

Table S5 Gene prediction by Augustus 2.7
with *A. thaliana* training set

Groups	Number of CDSs
Transposable Element (partial, pseudo, short)	15,545
Intrinsic genes	45,002
Partial	16,570
Pseudo and short genes	3,404
Total	80,521

Table S6. Numbers of predicted tRNAs

	<i>R. sativus</i>	<i>B. rapa</i>	<i>A. thaliana</i>
	RSA_r1.0	BRAD, v1.2	TAIR10
Ala	81	72	33
Arg	89	78	39
Asn	43	31	19
Asp	71	54	28
Cys	33	33	17
Gln	40	35	19
Glu	66	57	27
Gly	109	94	43
His	29	33	12
Ile	65	48	25
Leu	99	85	45
Lys	71	68	33
Met	54	52	31
Phe	42	36	17
Pro	112	101	68
Ser	83	75	72
Thr	48	53	26
Trp	28	30	16
Tyr	51	38	83
Val	66	65	32
Pseudo	52	38	13
SeC	0	1	0
Sup	0	1	0
Undet	3	2	1
Total	1,335	1,180	699

Pseudo; Predicted pseudogenes

SeC; Selenocysteine tRNAs

Sup; Possible suppressor tRNAs

Undet; tRNAs with undetermined/unknown isotypes

Table S7 Blast search of RSA_r1.0 with RadishBase

Query	Subject	Length (query)	Length (subject)	E-value	Identity	Aligned length	Identity%	Strand	Start (query)	End (query)	Start (subject)	End (subject)
UN00001	Rsa1.0_03223.1	853	24512	0	725	767	94 +		90	851	12771	13536
UN00002	#	#	#	#	#	#	#	#	#	#	#	#
UN00003	Rsa1.0_04281.1	640	18107	0	443	467	94 +		175	640	14748	15204
UN00004	Rsa1.0_00773.1	848	64839	0	523	560	93 +		266	813	25939	26496
UN00005	Rsa1.0_00265.1	941	220635	0	421	428	98 -		6	433	162036	162463
UN00006	Rsa1.0_06990.1	988	10060	0	853	916	93 +		88	988	4389	5287
UN00007	Rsa1.0_01338.1	959	155644	1.00E-166	344	359	95 -		509	867	148865	149220
UN00008	Rsa1.0_00652.1	750	70089	0	727	742	97 +		3	744	34069	34809
UN00009	Rsa1.0_01278.1	1423	49370	0	1103	1231	89 +		195	1420	9095	10323
UN00010	Rsa1.0_00008.1	750	358124	5.00E-98	185	186	99 +		3	188	306470	306655
UN00011	Rsa1.0_02570.1	770	30000	0	743	769	96 -		5	770	5790	6551
UN00012	Rsa1.0_01561.1	770	43227	1.00E-166	303	305	99 +		214	518	30907	31211
UN00013	Rsa1.0_02039.1	1016	35699	1.00E-120	343	380	90 +		3	378	899	1259
UN00014	Rsa1.0_03440.1	863	22928	0	843	891	94 -		3	863	8551	9434
UN00015	Rsa1.0_02079.1	1084	35306	0	365	375	97 -		710	1084	3738	4111
UN00016	Rsa1.0_01502.1	947	44519	0	515	532	96 -		3	531	36621	37147
UN00017	Rsa1.0_00200.1	776	162016	0	440	463	95 +		2	464	113402	113852
UN00018	Rsa1.0_00655.1	804	195840	1.00E-67	161	171	94 +		387	557	164863	165033
UN00019	Rsa1.0_07105.1	654	9886	1.00E-167	329	338	97 -		317	654	1509	1845
UN00020	Rsa1.0_00556.1	788	207212	0	780	786	99 -		3	788	135257	136036
UN00021	Rsa1.0_03348.1	906	23559	0	601	637	94 +		285	906	9013	9640
UN00022	Rsa1.0_00254.1	1193	102600	1.00E-139	251	251	100 +		3	253	87897	88147
UN00023	Rsa1.0_04106.1	730	19018	1.00E-178	328	332	98 -		2	333	6894	7225
UN00024	Rsa1.0_01847.1	776	38346	0	392	393	99 +		1	393	985	1377
UN00025	Rsa1.0_39229.1	1069	573	1.00E-179	349	355	98 +		716	1069	57	409
UN00026	Rsa1.0_00651.1	714	247766	1.00E-108	216	219	98 +		460	677	200722	200939
UN00027	Rsa1.0_00108.1	700	478491	0	576	603	95 -		14	616	460317	460913
UN00028	Rsa1.0_01166.1	815	51877	0	423	438	96 +		379	815	26786	27222
UN00029	Rsa1.0_01251.1	911	49873	2.00E-88	256	286	89 +		628	911	33589	33856
UN00030	Rsa1.0_00385.1	476	89160	1.00E-122	238	242	98 +		3	244	30406	30646
UN00031	Rsa1.0_00824.1	1129	188447	0	473	478	98 -		650	1125	144181	144658
UN00032	Rsa1.0_00559.1	927	190486	0	378	389	97 -		392	779	2470	2858
UN00033	Rsa1.0_00676.1	1303	69166	0	489	519	94 -		166	669	54623	55138
UN00034	Rsa1.0_00707.1	1226	190112	0	622	660	94 -		587	1226	139912	140571
UN00035	Rsa1.0_01758.1	1169	39747	0	612	618	99 -		552	1169	34996	35612
UN00036	Rsa1.0_00066.1	871	152418	0	462	489	94 -		392	871	37136	37622
UN00037	Rsa1.0_00248.1	769	163568	0	359	366	98 -		389	754	40157	40522

UN00038	Rsa1.0.03413.1	794	23137	0	684	740	92 +	3	725	15902	16631
UN00039	Rsa1.0.16170.1	924	2258	0	333	335	99 -	591	924	1208	1542
UN00040	Rsa1.0.01896.1	951	37512	0	917	951	96 -	2	951	31690	32640
UN00041	Rsa1.0.00972.1	1053	57937	0	491	510	96 -	549	1053	52689	53193
UN00042	Rsa1.0.00035.1	1355	176449	0	901	952	94 -	4	952	125394	126333
UN00043	Rsa1.0.00418.1	1380	215377	0	1250	1296	96 -	95	1380	24897	26192
UN00044	Rsa1.0.00031.1	1346	179862	0	486	504	96 -	82	585	82448	82951
UN00045	Rsa1.0.00707.1	885	190112	0	874	885	98 -	1	885	8145	9028
UN00046	Rsa1.0.00387.1	572	495407	0	413	431	95 +	3	433	468202	468632
UN00047	Rsa1.0.00716.1	562	67078	0	417	426	97 -	137	562	37489	37913
UN00048	Rsa1.0.01029.1	1045	256254	1.00E-133	308	329	93 +	724	1042	245893	246219
UN00049	Rsa1.0.00104.1	1112	368722	0	1074	1111	96 -	3	1112	71831	72940
UN00050	Rsa1.0.03944.1	661	19926	1.00E-140	331	356	92 +	11	359	9333	9679
UN00051	Rsa1.0.29195.1	621	789	6.00E-57	129	133	96 +	482	613	551	683
UN00052	Rsa1.0.20338.1	1125	1316	1.00E-139	355	387	91 -	722	1106	930	1316
UN00053	Rsa1.0.04786.1	1088	15988	0	656	686	95 +	2	687	11442	12126
UN00054	Rsa1.0.00816.1	988	403350	1.00E-120	283	301	94 +	692	988	370202	370496
UN00055	Rsa1.0.07851.1	681	8423	1.00E-141	270	275	98 +	407	681	4308	4582
UN00056	Rsa1.0.00876.1	1346	61328	1.00E-120	276	295	93 +	73	361	49382	49676
UN00057	Rsa1.0.00390.1	1112	88681	1.00E-151	275	276	99 +	787	1062	35462	35737
UN00058	Rsa1.0.00939.1	1462	185227	1.00E-175	321	324	99 -	733	1056	178977	179300
UN00059	Rsa1.0.01245.1	1403	149868	0	593	635	93 -	5	638	37644	38260
UN00060	Rsa1.0.00145.1	1500	261008	1.00E-124	248	255	97 -	415	669	39995	40249
UN00061	Rsa1.0.02071.1	842	35409	1.00E-113	318	355	89 -	1	355	33313	33667
UN00062	Rsa1.0.00079.1	791	606987	1.00E-102	214	221	96 -	521	740	464325	464545
UN00063	Rsa1.0.35376.1	1129	640	1.00E-105	289	324	89 -	420	722	164	487
UN00064	Rsa1.0.00278.1	1295	231896	1.00E-107	219	226	96 +	808	1033	148696	148921
UN00065	Rsa1.0.10637.1	1028	5774	1.00E-180	374	392	95 +	633	1024	2793	3184
UN00066	Rsa1.0.00090.1	825	273859	1.00E-126	273	287	95 -	1	279	41355	41641
UN00067	Rsa1.0.06390.1	1239	11106	0	609	693	87 -	73	765	6070	6756
UN00068	Rsa1.0.00229.1	798	105471	0	669	692	96 +	114	798	82848	83539
UN00069	Rsa1.0.00203.1	1012	109129	0	632	667	94 +	349	1011	38683	39345
UN00070	Rsa1.0.03295.1	508	23970	1.00E-152	282	285	98 +	224	508	7379	7663
UN00071	Rsa1.0.01958.1	804	261128	1.00E-172	322	327	98 -	57	383	131033	131359
UN00072	Rsa1.0.09116.1	1544	6637	0	1061	1071	99 -	3	1073	182	1252
UN00073	Rsa1.0.02185.1	1181	34150	0	500	523	95 -	199	716	21129	21651
UN00074	Rsa1.0.00466.1	860	82132	0	395	403	98 -	459	860	21576	21978
UN00075	Rsa1.0.02241.1	1265	33520	1.00E-121	224	225	99 +	793	1017	23921	24145
UN00076	Rsa1.0.01382.1	832	46877	0	483	514	93 +	330	832	13890	14398

UN00077	Rsa1.0.01466.1	750	45161	1.00E-111	252	260	96 +	497	749	28487	28746
UN00078	Rsa1.0.00048.1	914	167185	1.00E-92	224	237	94 +	672	906	33623	33858
UN00079	Rsa1.0.00454.1	1316	216970	0	384	395	97 -	615	1009	191029	191423
UN00080	Rsa1.0.03662.1	1284	21492	0	1209	1299	93 +	1	1284	12730	14005
UN00081	Rsa1.0.03740.1	1385	21065	0	413	418	98 -	466	883	9526	9943
UN00082	Rsa1.0.00944.1	539	58733	0	450	469	95 +	76	539	35701	36167
UN00083	Rsa1.0.00476.1	1330	280966	0	553	561	98 -	6	566	212345	212904
UN00084	Rsa1.0.00857.1	885	61904	0	526	555	94 -	331	885	44571	45114
UN00085	Rsa1.0.00115.1	1093	131321	1.00E-153	335	353	94 +	717	1066	48839	49191
UN00086	Rsa1.0.00218.1	694	201480	1.00E-134	246	247	99 +	1	247	52227	52473
UN00087	Rsa1.0.03646.1	1041	21598	1.00E-147	307	321	95 -	477	797	11101	11421
UN00088	Rsa1.0.00008.1	707	358124	0	491	534	91 +	122	644	142943	143470
UN00089	Rsa1.0.07479.1	948	9281	1.00E-154	277	277	100 +	71	347	3570	3846
UN00090	Rsa1.0.00454.1	781	216970	0	586	604	97 +	119	722	155884	156487
UN00091	Rsa1.0.06124.1	1048	11681	0	997	1076	92 +	2	1041	6612	7678
UN00092	Rsa1.0.01002.1	1167	57063	0	505	513	98 +	655	1167	18269	18781
UN00093	Rsa1.0.00166.1	1071	240912	0	513	521	98 -	2	522	221531	222051
UN00094	Rsa1.0.00360.1	718	91190	2.00E-79	166	171	97 +	239	409	46323	46493
UN00095	Rsa1.0.00541.1	869	76863	1.00E-161	315	324	97 +	377	700	34580	34903
UN00096	Rsa1.0.04806.1	575	15898	0	355	356	99 +	220	575	7284	7639
UN00097	Rsa1.0.02173.1	784	34318	1.00E-110	219	223	98 +	1	223	15516	15737
UN00098	Rsa1.0.05367.1	479	14010	0	383	397	96 +	73	467	4072	4467
UN00099	Rsa1.0.00487.1	1298	80674	1.00E-161	343	359	95 -	938	1294	37993	38350
UN00100	Rsa1.0.01603.1	919	42468	0	858	945	90 +	3	917	8931	9856
UN00101	Rsa1.0.01905.1	694	37450	8.00E-63	204	233	87 +	181	413	21327	21543
UN00102	Rsa1.0.00115.1	1171	131321	1.00E-178	371	388	95 -	748	1134	49272	49653
UN00103	Rsa1.0.00009.1	802	232558	1.00E-137	262	267	98 -	145	411	132659	132925
UN00104	Rsa1.0.03404.1	1489	23177	0	939	967	97 +	2	962	10088	11054
UN00105	Rsa1.0.02028.1	780	35857	1.00E-140	317	336	94 -	9	344	5808	6140
UN00106	Rsa1.0.01867.1	698	37960	0	414	415	99 -	282	695	19649	20063
UN00107	Rsa1.0.00295.1	1412	152597	0	431	460	93 -	951	1410	48279	48731
UN00108	Rsa1.0.00881.1	966	61260	1.00E-178	693	810	85 +	160	961	47054	47857
UN00109	Rsa1.0.00245.1	1087	103569	0	433	436	99 +	653	1087	80498	80933
UN00110	Rsa1.0.01978.1	823	36546	0	390	398	97 -	1	398	5240	5637
UN00111	Rsa1.0.00451.1	768	322533	0	360	369	97 -	3	371	309261	309629
UN00112	Rsa1.0.00757.1	422	65559	1.00E-75	183	194	94 -	216	405	12485	12678
UN00113	Rsa1.0.40781.1	1447	550	2.33E-156	267	268	99 +	1180	1447	1	268
UN00114	Rsa1.0.06901.1	1047	10186	0	467	489	95 -	7	495	9698	10186
UN00115	Rsa1.0.01519.1	764	44144	1.00E-125	251	259	96 -	337	595	40675	40933

UN00116	Rsa1.0_01666.1	874	173972	0	340	345	98 +	431	775	135570	135914
UN00117	Rsa1.0_01978.1	1397	36546	0	712	722	98 +	678	1397	28038	28759
UN00118	Rsa1.0_00734.1	825	66508	0	465	493	94 -	3	494	44653	45142
UN00119	Rsa1.0_03054.1	838	25738	0	501	501	100 +	1	501	17279	17779
UN00120	Rsa1.0_01563.1	1372	170823	1.00E-161	289	289	100 +	1084	1372	19906	20194
UN00121	Rsa1.0_00028.1	775	293984	1.00E-132	275	287	95 +	489	775	281443	281729
UN00122	Rsa1.0_00149.1	532	305196	1.00E-141	313	328	95 +	204	528	102071	102395
UN00123	Rsa1.0_01985.1	365	36491	2.00E-52	130	137	94 -	229	365	1883	2018
UN00124	Rsa1.0_12214.1	802	5287	1.00E-165	319	327	97 +	262	588	2639	2965
UN00125	Rsa1.0_00552.1	1160	206757	0	594	623	95 -	534	1149	67991	68611
UN00126	Rsa1.0_05632.1	801	13120	0	474	487	97 +	315	801	9527	10010
UN00127	Rsa1.0_04236.1	1562	18370	0	828	830	99 +	733	1562	5917	6746
UN00128	Rsa1.0_24457.1	1183	987	1.00E-105	264	284	92 -	321	595	647	928
UN00129	Rsa1.0_00856.1	1274	62037	7.00E-80	215	237	90 +	1017	1252	16952	17176
UN00130	Rsa1.0_00673.1	1299	69325	1.00E-150	378	410	92 -	897	1299	53354	53747
UN00131	Rsa1.0_00654.1	1356	70012	0	784	811	96 -	31	838	35270	36076
UN00132	Rsa1.0_00832.1	875	62622	0	363	376	96 +	500	875	33766	34139
UN00133	Rsa1.0_00075.1	253	146680	1.00E-120	242	249	97 -	7	253	69250	69498
UN00134	Rsa1.0_02949.1	918	26506	1.00E-111	212	213	99 +	707	918	4000	4212
UN00135	Rsa1.0_00061.1	975	218685	0	547	570	95 +	129	698	99303	99866
UN00136	Rsa1.0_05963.1	689	12090	1.00E-138	269	274	98 +	73	346	2744	3016
UN00137	Rsa1.0_00230.1	1357	105389	0	1169	1217	96 -	151	1357	82518	83733
UN00138	Rsa1.0_00237.1	809	235974	8.00E-94	175	175	100 -	212	386	19068	19242
UN00139	Rsa1.0_01569.1	1312	43029	1.00E-129	262	271	96 +	426	696	37369	37639
UN00140	Rsa1.0_01393.1	1299	46661	1.00E-163	321	331	96 -	975	1299	41309	41639
UN00141	Rsa1.0_00911.1	1024	59943	0	986	1025	96 -	1	1023	56165	57185
UN00142	Rsa1.0_00111.1	1446	390088	7.00E-68	171	179	95 -	1273	1446	33632	33810
UN00143	Rsa1.0_01092.1	978	54348	1.00E-117	243	252	96 +	3	251	50206	50457
UN00144	Rsa1.0_02381.1	668	31972	1.00E-121	242	249	97 +	282	530	25042	25290
UN00145	Rsa1.0_04333.1	844	17865	4.00E-62	131	134	97 -	68	201	13294	13427
UN00146	Rsa1.0_07542.1	729	9160	5.00E-55	110	110	100 +	511	620	2709	2818
UN00147	Rsa1.0_03747.1	796	21046	1.00E-126	252	260	96 -	1	254	20332	20591
UN00148	Rsa1.0_02068.1	587	35432	1.00E-133	348	383	90 -	188	558	15245	15611
UN00149	Rsa1.0_00469.1	610	82084	0	498	506	98 -	105	610	20497	21002
UN00150	Rsa1.0_01789.1	1325	39250	0	450	462	97 +	859	1319	5483	5943
UN00151	Rsa1.0_00092.1	736	659932	1.00E-86	249	276	90 -	463	736	627152	627409
UN00152	Rsa1.0_00416.1	954	86772	1.00E-110	209	211	99 -	743	953	47497	47707
UN00153	Rsa1.0_02958.1	885	26443	0	859	904	95 +	1	885	8747	9650
UN00154	Rsa1.0_02012.1	853	36084	3.00E-87	302	350	86 +	2	351	15973	16286

UN00155	Rsa1.0.05140.1	756	14710	1.00E-111	227	233	97 -	48	280	12012	12243
UN00156	Rsa1.0.02079.1	747	35306	0	476	500	95 -	248	747	16731	17229
UN00157	Rsa1.0.01221.1	835	50421	9.00E-63	126	127	99 +	471	597	47186	47312
UN00158	Rsa1.0.00127.1	793	127446	3.00E-78	152	153	99 -	512	664	30829	30981
UN00159	Rsa1.0.01491.1	1342	44718	0	454	465	97 -	870	1334	42118	42580
UN00160	Rsa1.0.03228.1	784	24471	0	448	463	96 +	326	784	20972	21434
UN00161	Rsa1.0.00732.1	759	66631	1.00E-104	205	209	98 -	348	556	4101	4309
UN00162	Rsa1.0.00469.1	1126	82084	1.00E-144	272	275	98 +	850	1124	69947	70220
UN00163	Rsa1.0.01451.1	900	45459	0	800	812	98 +	1	811	15133	15944
UN00164	Rsa1.0.00545.1	912	189649	0	588	594	98 -	311	904	25078	25671
UN00165	Rsa1.0.00502.1	1430	204180	0	1182	1194	98 -	243	1430	32125	33318
UN00166	Rsa1.0.03488.1	874	22556	0	321	321	100 +	112	432	13317	13637
UN00167	Rsa1.0.00651.1	706	247766	5.00E-67	293	337	86 -	352	681	90205	90524
UN00168	Rsa1.0.03434.1	587	22960	2.33E-156	310	323	95 -	272	587	12154	12476
UN00169	Rsa1.0.01234.1	744	50183	1.00E-104	226	237	95 -	9	245	11958	12194
UN00170	Rsa1.0.00380.1	1251	89748	0	528	582	90 -	669	1250	74642	75200
UN00171	Rsa1.0.06853.1	1391	10264	0	862	902	95 -	2	899	1	899
UN00172	Rsa1.0.16783.1	899	2037	0	392	393	99 +	507	899	1540	1932
UN00173	Rsa1.0.02688.1	789	28644	2.00E-60	148	157	94 -	3	156	13635	13791
UN00174	Rsa1.0.00133.1	670	123768	0	351	358	98 +	1	358	27299	27654
UN00175	Rsa1.0.00876.1	2855	61328	0	1086	1119	97 +	1574	2691	35058	36167
UN00176	Rsa1.0.39807.1	848	564	1.00E-61	162	172	94 -	675	846	296	463
UN00177	Rsa1.0.01422.1	1061	46172	1.00E-136	341	368	92 -	701	1056	24766	25133
UN00178	Rsa1.0.01674.1	2037	168300	1.00E-165	304	307	99 +	554	860	22938	23244
UN00179	Rsa1.0.21410.1	1030	1207	1.00E-103	376	434	86 +	484	913	340	768
UN00180	Rsa1.0.03573.1	1221	22013	1.00E-163	298	300	99 -	1	300	12429	12728
UN00181	Rsa1.0.00611.1	1055	72410	1.00E-111	286	311	91 +	736	1036	1963	2269
UN00182	Rsa1.0.03346.1	589	23589	0	562	586	95 +	1	586	10511	11095
UN00183	Rsa1.0.00017.1	1505	752458	5.00E-78	155	157	98 +	635	791	28933	29089
UN00184	Rsa1.0.01026.1	1301	171624	0	580	605	95 -	700	1299	30310	30906
UN00185	Rsa1.0.00238.1	608	193193	0	459	475	96 +	138	608	190030	190504
UN00186	Rsa1.0.01168.1	685	153765	1.00E-115	283	304	93 +	382	683	41780	42069
UN00187	#	#	#	#	#	#	#	#	#	#	#
UN00188	Rsa1.0.02223.1	717	152421	1.00E-141	311	326	95 +	392	715	129665	129988
UN00189	Rsa1.0.00608.1	980	172672	0	352	358	98 +	623	980	100163	100515
UN00190	Rsa1.0.00121.1	1289	278029	1.00E-87	171	173	98 +	489	661	77428	77600
UN00191	Rsa1.0.03467.1	1017	22687	0	636	668	95 +	352	1017	10718	11378
UN00192	Rsa1.0.00172.1	1357	115476	0	906	910	99 -	5	914	58471	59380
UN00193	Rsa1.0.00388.1	1138	88890	1.00E-96	205	212	96 -	882	1092	63459	63670

UN00194	Rsa1.0_00136.1	753	122464	1.00E-46	108	112	96 +	206	317	28826	28937
UN00195	Rsa1.0_01280.1	1024	49321	2.00E-64	132	134	98 -	550	683	38226	38359
UN00196	Rsa1.0_00203.1	915	109129	0	434	445	97 +	3	447	54534	54975
UN00197	Rsa1.0_00123.1	1110	325650	0	650	689	94 +	418	1105	240510	241183
UN00198	Rsa1.0_00127.1	783	127446	0	520	536	97 -	3	538	64912	65446
UN00199	Rsa1.0_04319.1	1323	17944	1.00E-145	264	265	99 +	66	330	16768	17032
UN00200	Rsa1.0_00954.1	890	189536	0	683	692	98 +	199	890	31151	31842
UN00201	Rsa1.0_03274.1	1106	24159	0	615	632	97 +	144	769	14951	15577
UN00202	Rsa1.0_00529.1	1193	77487	1.00E-115	229	235	97 +	609	843	71526	71760
UN00203	Rsa1.0_00042.1	783	171507	2.00E-73	153	157	97 -	386	542	88765	88921
UN00204	Rsa1.0_11811.1	529	5401	8.00E-84	176	182	96 +	48	229	2094	2275
UN00205	Rsa1.0_10543.1	1201	5808	1.00E-178	404	434	93 +	736	1169	4342	4767
UN00206	Rsa1.0_00018.1	1272	410899	0	360	366	98 +	275	640	67806	68169
UN00207	Rsa1.0_00211.1	1836	228189	0	563	599	93 -	432	1006	8748	9346
UN00208	Rsa1.0_00900.1	898	60367	0	475	479	99 -	420	898	19867	20345
UN00209	Rsa1.0_01322.1	1308	48166	0	568	598	94 -	710	1306	7334	7931
UN00210	Rsa1.0_03471.1	620	22678	1.00E-111	227	234	97 -	168	398	14969	15202
UN00211	Rsa1.0_01245.1	894	149868	0	570	587	97 +	309	894	45960	46539
UN00212	Rsa1.0_00437.1	1237	84879	3.00E-97	193	197	97 -	687	883	13824	14020
UN00213	Rsa1.0_02198.1	664	33989	2.00E-75	188	203	92 -	462	664	14016	14207
UN00214	Rsa1.0_01493.1	978	44670	1.00E-110	245	258	94 +	721	978	7846	8101
UN00215	Rsa1.0_03786.1	1361	20879	0	1305	1364	95 +	2	1361	13533	14896
UN00216	Rsa1.0_01768.1	1252	138463	1.00E-133	248	250	99 +	414	663	109251	109500
UN00217	Rsa1.0_00305.1	1035	97308	0	395	405	97 -	599	1003	63923	64326
UN00218	Rsa1.0_11906.1	784	5374	1.00E-133	241	241	100 -	221	461	2650	2890
UN00219	Rsa1.0_00665.1	816	69539	0	621	627	99 -	135	756	64646	65272
UN00220	Rsa1.0_04200.1	1264	18490	1.00E-135	271	280	96 -	3	282	13777	14056
UN00221	Rsa1.0_00111.1	1784	390088	0	370	375	98 +	62	436	332775	333148
UN00222	Rsa1.0_00202.1	1086	185895	0	1040	1050	99 +	39	1086	84872	85920
UN00223	Rsa1.0_00020.1	1218	283099	0	1184	1221	96 +	3	1218	13362	14582
UN00224	Rsa1.0_00805.1	949	63724	1.00E-138	372	409	90 -	545	945	35477	35874
UN00225	Rsa1.0_04961.1	760	15316	0	737	762	96 +	4	760	1405	2163
UN00226	Rsa1.0_00053.1	1349	263459	1.00E-141	312	329	94 +	962	1288	62436	62762
UN00227	Rsa1.0_00222.1	776	172263	3.00E-84	171	175	97 -	170	344	59424	59598
UN00228	Rsa1.0_01762.1	1325	39682	1.00E-103	218	227	96 -	7	233	10878	11104
UN00229	Rsa1.0_00123.1	802	325650	0	605	624	96 -	2	625	295974	296597
UN00230	Rsa1.0_04553.1	873	16877	0	357	365	97 -	509	873	5964	6328
UN00231	Rsa1.0_01504.1	787	189978	1.00E-114	275	296	92 -	10	297	171988	172278
UN00232	Rsa1.0_00655.1	936	195840	0	387	397	97 +	541	936	174971	175367

UN00233	Rsa1.0.01880.1	851	37745	0	815	852	95 -	4	849	35125	35976
UN00234	Rsa1.0.04307.1	1245	18001	0	563	572	98 +	4	575	8159	8730
UN00235	Rsa1.0.00327.1	719	94892	0	707	720	98 -	1	719	70658	71372
UN00236	Rsa1.0.01641.1	436	188213	0	420	449	93 -	2	436	161037	161478
UN00237	Rsa1.0.01562.1	921	43196	1.00E-77	148	148	100 +	649	796	9608	9755
UN00238	Rsa1.0.00048.1	1011	167185	0	386	388	99 +	218	605	120284	120671
UN00239	Rsa1.0.00051.1	762	258225	0	414	426	97 -	340	762	47637	48062
UN00240	Rsa1.0.00190.1	1186	318240	1.00E-102	296	329	89 -	845	1169	196798	197113
UN00241	Rsa1.0.01559.1	755	43262	1.00E-148	309	322	95 +	3	324	3009	3329
UN00242	Rsa1.0.00306.1	990	146760	1.00E-139	390	438	89 -	166	573	133202	133639
UN00243	Rsa1.0.70420.1	1067	325	1.00E-109	220	224	98 -	845	1067	11	232
UN00244	Rsa1.0.00975.1	711	57865	0	439	456	96 +	123	578	55583	56038
UN00245	Rsa1.0.00198.1	652	222963	1.00E-155	326	340	95 +	296	631	107094	107433
UN00246	Rsa1.0.00017.1	1795	752458	0	600	657	91 +	3	658	158694	159335
UN00247	Rsa1.0.04533.1	1113	16953	0	607	617	98 +	497	1113	14028	14644
UN00248	Rsa1.0.00608.1	1087	172672	0	1019	1034	98 +	54	1087	111863	112896
UN00249	Rsa1.0.00358.1	1220	91293	0	552	554	99 -	223	776	56559	57112
UN00250	Rsa1.0.00254.1	1055	102600	0	389	408	95 -	126	533	12642	13039
UN00251	Rsa1.0.08831.1	680	6887	1.00E-95	226	242	93 -	109	350	5156	5397
UN00252	Rsa1.0.02600.1	767	29657	8.00E-63	156	167	93 -	493	659	1755	1921
UN00253	Rsa1.0.00080.1	876	190437	1.00E-133	265	273	97 -	152	424	34258	34530
UN00254	Rsa1.0.00792.1	591	64163	1.00E-79	226	247	91 -	14	248	7358	7603
UN00255	Rsa1.0.01567.1	321	43090	1.00E-115	228	234	97 +	88	321	26025	26258
UN00256	Rsa1.0.00037.1	1290	307838	0	477	501	95 +	1	499	241158	241654
UN00257	Rsa1.0.00067.1	1026	415055	1.00E-148	353	376	93 +	41	411	138300	138672
UN00258	Rsa1.0.03982.1	788	19723	1.00E-132	285	296	96 -	1	289	1	295
UN00259	Rsa1.0.00466.1	538	82132	0	521	532	97 +	1	532	17636	18163
UN00260	Rsa1.0.04298.1	909	147466	1.00E-125	258	267	96 +	52	318	5562	5827
UN00261	Rsa1.0.00007.1	840	239325	0	423	426	99 +	1	424	119516	119941
UN00262	Rsa1.0.00381.1	788	89718	0	400	420	95 +	367	786	75168	75586
UN00263	Rsa1.0.00087.1	1164	761073	1.00E-154	337	353	95 +	2	352	300618	300969
UN00264	Rsa1.0.00030.1	504	250988	3.00E-86	264	294	89 +	79	356	149353	149644
UN00265	Rsa1.0.02515.1	1364	30616	1.00E-151	322	340	94 +	1023	1362	29932	30258
UN00266	Rsa1.0.02386.1	742	31895	0	720	739	97 +	1	739	10448	11185
UN00267	Rsa1.0.03539.1	915	22199	9.00E-91	179	182	98 -	499	680	6376	6557
UN00268	Rsa1.0.00697.1	776	67913	0	752	775	97 -	3	774	46048	46821
UN00269	Rsa1.0.03413.1	732	23137	0	678	753	90 -	1	732	16105	16841
UN00270	Rsa1.0.00131.1	961	432233	1.00E-89	174	176	98 -	785	960	260552	260727
UN00271	Rsa1.0.02355.1	1099	32260	0	621	637	97 +	1	637	6910	7545

UN00272	Rsa1.0.00960.1	937	58199	0	540	562	96 -	254	812	19414	19969
UN00273	Rsa1.0.00253.1	717	231292	1.00E-140	428	485	88 +	1	476	210298	210760
UN00274	Rsa1.0.00288.1	933	98659	1.00E-132	307	328	93 -	523	845	51618	51944
UN00275	Rsa1.0.00045.1	1237	328694	1.00E-130	259	265	97 +	630	894	140951	141214
UN00276	Rsa1.0_01708.1	498	40622	0	495	497	99 +	2	498	19467	19963
UN00277	Rsa1.0_00420.1	1026	86496	0	807	858	94 +	1	833	39871	40728
UN00278	Rsa1.0.00093.1	1005	214962	1.00E-153	348	368	94 -	2	363	48722	49089
UN00279	Rsa1.0.00079.1	712	606987	0	700	712	98 -	1	712	57261	57972
UN00280	Rsa1.0.00477.1	901	81556	1.00E-160	299	302	99 +	13	314	40152	40452
UN00281	Rsa1.0.02004.1	1736	169138	0	1673	1741	96 +	1	1734	148491	150218
UN00282	Rsa1.0.00060.1	1175	502678	0	454	475	95 +	714	1173	144937	145411
UN00283	Rsa1.0.00195.1	1470	251884	0	666	673	98 -	803	1470	205123	205795
UN00284	Rsa1.0.03401.1	1265	23191	1.00E-152	294	301	97 +	575	875	5986	6286
UN00285	Rsa1.0.00281.1	565	99908	2.33E-156	287	295	97 +	269	563	71665	71959
UN00286	Rsa1.0.00339.1	807	222974	4.00E-80	158	160	98 +	566	725	63385	63544
UN00287	Rsa1.0.02585.1	944	29865	0	463	470	98 +	473	941	25874	26343
UN00288	Rsa1.0.06936.1	822	10143	0	804	826	97 -	1	822	77	901
UN00289	Rsa1.0.01149.1	699	160459	0	409	412	99 +	3	414	14501	14912
UN00290	Rsa1.0.01136.1	920	52724	0	636	665	95 -	1	665	35476	36140
UN00291	#	#	#	#	#	#	#	#	#	#	#
UN00292	Rsa1.0.03163.1	1401	24894	0	496	512	96 -	2	511	22793	23303
UN00293	Rsa1.0.01756.1	1015	39779	1.00E-120	255	267	95 +	1	262	8898	9164
UN00294	Rsa1.0.04146.1	900	18833	0	730	768	95 +	1	768	18073	18826
UN00295	Rsa1.0.03040.1	992	25812	7.00E-98	238	257	92 +	249	505	3854	4104
UN00296	Rsa1.0.00209.1	994	108531	0	470	470	100 -	1	470	62516	62985
UN00297	Rsa1.0.00738.1	585	66322	1.00E-70	152	156	97 -	7	162	28985	29139
UN00298	Rsa1.0.00273.1	1060	326186	3.00E-97	202	209	96 +	514	722	132133	132341
UN00299	Rsa1.0.01151.1	572	52268	0	352	357	98 +	22	378	26285	26641
UN00300	Rsa1.0.00037.1	828	307838	1.00E-102	210	214	98 -	1	213	307235	307447
UN00301	Rsa1.0.00277.1	969	100132	0	958	969	98 +	1	967	31286	32254
UN00302	Rsa1.0.00734.1	1002	66508	1.00E-56	116	117	99 -	499	615	15185	15301
UN00303	Rsa1.0.00023.1	700	194764	0	678	698	97 +	5	700	37236	37933
UN00304	Rsa1.0.05266.1	1272	14320	0	333	333	100 -	940	1272	7089	7421
UN00305	Rsa1.0.08430.1	829	7367	0	391	406	96 -	7	412	2169	2566
UN00306	Rsa1.0.00273.1	1326	326186	0	379	391	96 +	1	389	38763	39150
UN00307	Rsa1.0.01730.1	942	40223	0	896	944	94 -	3	941	35591	36517
UN00308	Rsa1.0.01482.1	805	44855	0	411	421	97 +	384	803	12466	12886
UN00309	Rsa1.0.00058.1	1308	159921	1.00E-140	253	253	100 +	738	990	22511	22763
UN00310	Rsa1.0.02185.1	1202	34150	0	508	541	93 +	467	1006	21129	21651

UN00311	Rsa1.0_00409.1	541	146788	0	358	368	97 +	170	537	1659	2026
UN00312	Rsa1.0_02496.1	757	30814	3.00E-78	158	161	98 -	514	674	10513	10673
UN00313	Rsa1.0_00055.1	1349	520193	1.00E-145	264	265	99 +	253	517	99465	99729
UN00314	Rsa1.0_01326.1	1763	48072	0	532	548	97 -	954	1501	38848	39389
UN00315	Rsa1.0_00228.1	736	105511	0	665	696	95 +	1	692	48976	49664
UN00316	Rsa1.0_00697.1	854	67913	1.00E-125	292	311	93 +	1	308	36874	37179
UN00317	Rsa1.0_00031.1	1321	179862	0	395	404	97 +	918	1321	161267	161670
UN00318	Rsa1.0_07695.1	1262	8770	0	422	433	97 -	283	715	2664	3095
UN00319	Rsa1.0_00457.1	1059	337301	1.00E-139	261	263	99 +	1	262	288149	288411
UN00320	Rsa1.0_00067.1	1095	415055	0	438	460	95 -	1	457	301029	301485
UN00321	Rsa1.0_00185.1	1085	248445	0	486	498	97 -	588	1085	215144	215641
UN00322	Rsa1.0_00278.1	1215	231896	0	364	372	97 -	10	379	60144	60512
UN00323	Rsa1.0_00453.1	1061	83031	1.00E-84	166	168	98 +	631	798	70878	71045
UN00324	Rsa1.0_00032.1	1317	306326	4.00E-60	142	149	95 +	25	173	177729	177874
UN00325	Rsa1.0_00104.1	779	368722	0	749	789	94 +	1	778	205882	206658
UN00326	Rsa1.0_00420.1	1540	86496	1.00E-127	294	314	93 +	1237	1538	45120	45433
UN00327	Rsa1.0_00015.1	736	561803	0	391	410	95 -	322	731	375314	375723
UN00328	Rsa1.0_06516.1	728	10866	0	398	409	97 -	6	411	8524	8932
UN00329	Rsa1.0_01026.1	996	171624	0	593	614	96 +	1	610	165278	165890
UN00330	Rsa1.0_07049.1	819	9983	0	749	793	94 -	36	819	308	1099
UN00331	Rsa1.0_00073.1	948	240924	1.00E-156	301	307	98 -	633	939	187854	188159
UN00332	Rsa1.0_04490.1	1224	17144	0	1127	1151	97 -	30	1176	12309	13459
UN00333	Rsa1.0_01087.1	746	54508	1.00E-154	311	321	96 -	5	324	19557	19877
UN00334	Rsa1.0_02954.1	1111	26485	0	1032	1073	96 +	52	1109	16486	17556
UN00335	Rsa1.0_21366.1	704	1211	1.00E-131	248	250	99 -	3	252	1	249
UN00336	Rsa1.0_00326.1	706	171955	0	415	431	96 +	2	431	66166	66589
UN00337	Rsa1.0_00077.1	870	145005	0	826	880	93 -	1	870	33244	34109
UN00338	Rsa1.0_00009.1	864	232558	0	422	430	98 -	162	591	129957	130386
UN00339	Rsa1.0_05815.1	988	12563	1.00E-115	253	267	94 -	409	675	8883	9149
UN00340	Rsa1.0_00546.1	756	76523	0	455	472	96 +	109	580	60591	61062
UN00341	Rsa1.0_00003.1	795	340054	0	427	430	99 -	1	430	87090	87517
UN00342	Rsa1.0_00171.1	903	115622	1.00E-157	282	282	100 -	4	285	36495	36776
UN00343	Rsa1.0_14764.1	795	3084	0	583	602	96 +	3	603	281	882
UN00344	Rsa1.0_00038.1	984	314568	1.00E-132	246	248	99 +	37	284	47930	48177
UN00345	Rsa1.0_00078.1	1331	175053	0	405	428	94 -	444	868	101013	101438
UN00346	Rsa1.0_07456.1	837	9360	0	733	836	87 -	1	823	4378	5213
UN00347	Rsa1.0_01586.1	1053	42804	1.00E-119	245	254	96 -	615	868	28243	28496
UN00348	Rsa1.0_00733.1	804	66583	0	557	575	96 +	174	744	46236	46809
UN00349	Rsa1.0_41608.1	808	540	1.00E-155	296	302	98 -	431	732	1	302

UN00350	Rsa1.0.03650.1	1309	21583	1.00E-159	294	297	98 -	1	297	9550	9846
UN00351	Rsa1.0.00965.1	1206	58139	1.00E-118	257	270	95 +	936	1204	9265	9527
UN00352	Rsa1.0.00129.1	759	126831	5.00E-92	175	176	99 +	3	178	43923	44098
UN00353	Rsa1.0.00067.1	1712	415055	0	418	418	100 -	468	885	391301	391718
UN00354	Rsa1.0.01144.1	1287	52431	1.00E-174	362	376	96 +	8	378	22890	23265
UN00355	Rsa1.0.06373.1	1122	11138	0	960	1010	95 -	125	1120	3623	4618
UN00356	Rsa1.0.00964.1	711	316648	3.00E-93	223	237	94 +	477	711	165354	165589
UN00357	Rsa1.0.02673.1	1286	28877	3.00E-94	223	239	93 -	1046	1284	25637	25864
UN00358	Rsa1.0.04870.1	975	135142	0	386	392	98 -	584	975	164	554
UN00359	Rsa1.0.08339.1	1202	7509	0	960	985	97 -	121	1100	10	991
UN00360	Rsa1.0.00255.1	883	204967	0	699	731	95 -	3	729	178141	178870
UN00361	Rsa1.0.00006.1	759	396176	0	752	759	99 +	3	759	157555	158313
UN00362	Rsa1.0.00596.1	980	73578	0	541	596	90 -	370	944	39243	39833
UN00363	Rsa1.0.00140.1	436	121541	1.00E-155	288	290	99 -	147	436	56161	56449
UN00364	Rsa1.0.02585.1	1079	29865	0	404	411	98 +	3	413	7721	8131
UN00365	Rsa1.0.00542.1	959	76831	0	473	503	94 -	457	959	36174	36661
UN00366	Rsa1.0.01626.1	1193	41989	0	526	527	99 +	667	1193	12907	13433
UN00367	Rsa1.0.02467.1	990	31141	0	375	388	96 -	4	388	7529	7915
UN00368	Rsa1.0.03348.1	921	23559	0	593	630	94 +	292	921	9013	9618
UN00369	Rsa1.0.03318.1	820	23780	0	473	492	96 -	3	493	4296	4786
UN00370	Rsa1.0.03743.1	1285	21062	0	692	709	97 -	411	1119	18007	18714
UN00371	Rsa1.0.03501.1	980	22458	0	531	532	99 +	1	532	18907	19438
UN00372	Rsa1.0.03097.1	939	25434	1.00E-142	312	331	94 +	361	679	19280	19610
UN00373	Rsa1.0.04369.1	1760	17703	0	423	429	98 +	1	428	1707	2134
UN00374	Rsa1.0.03162.1	992	24895	0	398	401	99 +	592	992	19790	20190
UN00375	Rsa1.0.25520.1	935	933	5.00E-71	143	145	98 +	650	794	4	148
UN00376	Rsa1.0.11859.1	808	5389	0	627	629	99 +	4	632	4393	5021
UN00377	Rsa1.0.00389.1	779	88795	1.00E-111	205	205	100 +	3	207	74105	74309
UN00378	Rsa1.0.00087.1	1368	761073	0	1289	1371	94 +	2	1368	94677	96043
UN00379	Rsa1.0.00161.1	1231	116891	0	356	360	98 -	626	985	25631	25990
UN00380	Rsa1.0.00377.1	977	90038	0	732	772	94 -	34	804	80774	81545
UN00381	Rsa1.0.00341.1	784	249309	1.00E-77	166	172	96 -	249	420	103263	103434
UN00382	Rsa1.0.03297.1	566	23969	1.00E-120	309	336	91 -	226	559	14221	14552
UN00383	Rsa1.0.00123.1	799	325650	0	632	649	97 -	2	650	176132	176780
UN00384	Rsa1.0.00301.1	1218	365315	0	495	527	93 -	268	776	194651	195173
UN00385	Rsa1.0.08511.1	922	7252	0	440	473	93 -	457	916	1797	2266
UN00386	Rsa1.0.00141.1	1222	121494	0	1065	1101	96 -	2	1102	60110	61210
UN00387	Rsa1.0.04325.1	1417	17885	1.00E-133	260	266	97 +	460	725	14508	14773
UN00388	Rsa1.0.02281.1	933	292576	1.00E-117	253	263	96 -	510	771	264132	264388

UN00389	Rsa1.0.05389.1	1165	13943	0	455	475	95 +	690	1162	8760	9230
UN00390	Rsa1.0.00336.1	1169	445051	0	364	367	99 +	698	1064	156223	156589
UN00391	Rsa1.0.04342.1	1184	17828	0	499	509	98 -	70	578	355	863
UN00392	Rsa1.0.01403.1	815	46453	0	414	428	96 +	1	426	2564	2987
UN00393	Rsa1.0.00447.1	1071	84051	1.00E-169	332	341	97 +	733	1071	33914	34254
UN00394	Rsa1.0.04065.1	974	19275	1.00E-167	317	323	98 -	6	328	8566	8888
UN00395	Rsa1.0.00002.1	1331	601661	4.00E-29	88	95	92 -	994	1088	140996	141090
UN00396	Rsa1.0.00671.1	1151	397884	0	608	628	96 +	3	624	184881	185506
UN00397	Rsa1.0.03191.1	842	145762	1.00E-150	361	386	93 +	463	842	16325	16698
UN00398	Rsa1.0.03809.1	1092	20731	0	738	787	93 +	312	1092	19080	19863
UN00399	Rsa1.0.01373.1	564	47052	0	391	397	98 +	1	397	31451	31847
UN00400	Rsa1.0.00745.1	961	66067	1.00E-129	251	256	98 -	75	327	23665	23920
UN00401	Rsa1.0.04200.1	761	18490	1.00E-142	268	272	98 -	3	274	10181	10452
UN00402	Rsa1.0.00671.1	1937	397884	0	504	504	100 -	1433	1936	267940	268443
UN00403	Rsa1.0.00322.1	1231	212233	1.00E-123	231	233	99 -	833	1065	80161	80393
UN00404	Rsa1.0.23843.1	1155	1022	0	610	633	96 +	524	1155	93	723
UN00405	Rsa1.0.00083.1	970	442773	1.00E-99	197	201	98 -	770	970	361205	361405
UN00406	Rsa1.0.25269.1	983	944	0	400	411	97 -	450	860	1	408
UN00407	Rsa1.0.00516.1	1458	78417	0	1243	1308	95 +	151	1453	73599	74901
UN00408	Rsa1.0.00040.1	779	324196	0	627	666	94 +	113	777	166240	166904
UN00409	Rsa1.0.00446.1	617	167829	0	608	612	99 +	5	616	153047	153658
UN00410	Rsa1.0.01437.1	1226	45887	0	548	552	99 -	675	1226	31902	32453
UN00411	Rsa1.0.29875.1	1145	769	0	412	417	98 -	727	1143	23	439
UN00412	Rsa1.0.05874.1	693	12351	0	548	562	97 -	3	564	9390	9951
UN00413	Rsa1.0.10218.1	1032	5935	0	637	640	99 +	393	1032	3887	4526
UN00414	Rsa1.0.00134.1	766	390219	1.00E-150	298	306	97 -	1	305	157266	157571
UN00415	Rsa1.0.00828.1	1206	62744	0	389	402	96 -	2	403	60815	61216
UN00416	Rsa1.0.11943.1	709	5365	1.00E-158	348	367	94 +	351	707	570	934
UN00417	Rsa1.0.37225.1	1293	605	0	560	563	99 -	731	1293	28	590
UN00418	Rsa1.0.00694.1	826	68074	0	735	759	96 -	44	794	61705	62461
UN00419	Rsa1.0.00296.1	1094	97854	0	330	330	100 +	765	1094	89589	89918
UN00420	Rsa1.0.05324.1	935	14145	0	397	411	96 +	197	607	11922	12332
UN00421	Rsa1.0.00037.1	1353	307838	0	478	494	96 -	810	1301	268658	269150
UN00422	Rsa1.0.00026.1	943	327835	1.00E-136	261	266	98 -	678	943	177093	177358
UN00423	Rsa1.0.00387.1	819	495407	1.00E-169	366	388	94 +	393	780	410022	410403
UN00424	Rsa1.0.00027.1	835	283362	0	792	839	94 -	2	835	42794	43629
UN00425	Rsa1.0.00032.1	933	306326	0	375	386	97 -	549	933	265504	265888
UN00426	Rsa1.0.37242.1	954	605	1.00E-163	328	339	96 -	589	923	1	337
UN00427	Rsa1.0.02052.1	1007	35555	0	449	469	95 -	546	1007	32962	33429

UN00428	Rsa1.0_00107.1	970	431659	4.00E-96	191	195	97 -	442	636	8283	8477
UN00429	Rsa1.0_16726.1	1174	2053	3.00E-85	329	389	84 +	259	647	306	652
UN00430	Rsa1.0_03547.1	927	22167	0	489	493	99 +	4	495	815	1307
UN00431	Rsa1.0_00679.1	1184	68971	1.00E-149	272	273	99 +	912	1184	34534	34806
UN00432	Rsa1.0_02180.1	1307	34176	1.00E-154	287	289	99 +	3	290	15721	16009
UN00433	Rsa1.0_00375.1	787	90207	1.00E-176	362	377	96 +	411	787	2405	2780
UN00434	Rsa1.0_04243.1	1344	18321	3.00E-82	180	188	95 -	791	978	3909	4096
UN00435	Rsa1.0_03631.1	1038	21647	0	509	540	94 +	433	972	9124	9638
UN00436	Rsa1.0_00243.1	1682	103651	0	1156	1207	95 +	442	1642	85850	87048
UN00437	Rsa1.0_00089.1	523	406142	1.00E-177	357	369	96 -	157	523	210291	210658
UN00438	Rsa1.0_00367.1	872	90750	1.00E-137	262	266	98 +	3	265	25507	25772
UN00439	Rsa1.0_00469.1	1207	82084	0	676	710	95 +	489	1182	40678	41385
UN00440	Rsa1.0_01435.1	763	45942	1.00E-123	267	276	96 +	492	763	40444	40719
UN00441	Rsa1.0_06179.1	1537	11548	0	527	538	97 -	415	952	9266	9803
UN00442	Rsa1.0_07104.1	1146	9889	0	681	693	98 -	227	919	7558	8249
UN00443	Rsa1.0_04213.1	1382	18437	7.00E-77	153	155	98 +	531	685	18130	18284
UN00444	Rsa1.0_00027.1	878	283362	0	330	333	99 +	374	706	101858	102190
UN00445	Rsa1.0_00017.1	1381	752458	4.00E-94	191	196	97 +	391	586	38117	38312
UN00446	Rsa1.0_41660.1	1207	539	0	380	383	99 +	203	585	157	539
UN00447	Rsa1.0_01356.1	1440	47287	0	750	751	99 +	689	1439	8186	8936
UN00448	Rsa1.0_01570.1	1487	43015	0	337	340	99 -	1148	1486	10785	11124
UN00449	Rsa1.0_00113.1	1357	131574	0	770	774	99 -	583	1356	123303	124076
UN00450	Rsa1.0_01613.1	718	182542	1.00E-165	300	302	99 +	250	551	28807	29108
UN00451	Rsa1.0_00211.1	774	228189	1.00E-105	223	232	96 -	465	693	146603	146834
UN00452	Rsa1.0_01803.1	631	173846	1.00E-177	315	315	100 -	317	631	18839	19153
UN00453	Rsa1.0_01282.1	1058	49304	4.00E-87	287	329	87 -	746	1056	28018	28331
UN00454	Rsa1.0_00891.1	1362	60724	1.00E-130	323	346	93 +	1021	1362	22254	22596
UN00455	Rsa1.0_01423.1	779	46170	2.00E-57	142	150	94 -	3	151	4788	4937
UN00456	Rsa1.0_04395.1	486	17570	1.00E-144	271	275	98 +	212	486	9572	9846
UN00457	Rsa1.0_00154.1	1306	189461	1.00E-180	344	352	97 +	396	747	165258	165609
UN00458	Rsa1.0_02810.1	1690	27671	1.00E-100	240	261	91 -	1444	1689	23912	24172
UN00459	Rsa1.0_02126.1	701	34765	0	473	480	98 +	222	701	1828	2307
UN00460	Rsa1.0_00015.1	822	561803	1.00E-157	344	365	94 +	451	806	401951	402314
UN00461	Rsa1.0_00425.1	1000	147080	0	623	669	93 -	347	990	125711	126375
UN00462	Rsa1.0_00483.1	1333	81102	0	467	467	100 +	94	560	75313	75779
UN00463	Rsa1.0_14932.1	543	2956	1.00E-121	224	225	99 +	318	542	620	844
UN00464	Rsa1.0_01634.1	1030	41865	1.00E-172	413	442	93 -	589	1028	1124	1551
UN00465	Rsa1.0_02169.1	1055	34367	0	800	839	95 -	188	1009	21213	22051
UN00466	Rsa1.0_04080.1	1227	19198	0	676	741	91 +	362	1097	9176	9912

UN00467	Rsa1.0_03894.1	830	20207	1.00E-140	259	261	99 -	1	261	19453	19713
UN00468	Rsa1.0_13384.1	867	4873	7.00E-73	140	140	100 +	92	231	573	712
UN00469	Rsa1.0_00294.1	1381	144860	1.00E-139	289	299	96 +	1035	1333	23941	24237
UN00470	Rsa1.0_02518.1	553	30586	1.00E-147	274	277	98 -	277	553	25561	25837
UN00471	Rsa1.0_08511.1	934	7252	0	448	472	94 -	461	921	1798	2266
UN00472	Rsa1.0_05457.1	1219	13687	1.00E-169	367	388	94 +	17	401	2461	2848
UN00473	Rsa1.0_01595.1	981	175383	1.00E-135	262	268	97 -	313	580	2704	2971
UN00474	Rsa1.0_00273.1	699	326186	1.00E-161	347	366	94 -	282	644	113973	114338
UN00475	Rsa1.0_01696.1	928	301850	4.00E-68	141	144	97 +	97	240	291366	291509
UN00476	Rsa1.0_00057.1	855	160473	2.33E-156	266	267	99 +	3	269	69734	70000
UN00477	Rsa1.0_02946.1	1479	26537	0	938	967	97 +	515	1475	857	1821
UN00478	Rsa1.0_00018.1	905	410899	0	481	483	99 -	423	905	57046	57528
UN00479	Rsa1.0_02120.1	1178	34819	0	1117	1159	96 +	2	1159	19889	21046
UN00480	Rsa1.0_00523.1	617	178770	1.00E-161	288	288	100 +	3	290	141283	141570
UN00481	Rsa1.0_02494.1	903	132923	0	576	593	97 -	311	903	6102	6692
UN00482	Rsa1.0_01719.1	902	40388	8.00E-82	206	218	94 -	690	902	27252	27464
UN00483	Rsa1.0_00397.1	1364	88189	0	1007	1061	94 -	1	1035	4783	5838
UN00484	Rsa1.0_00049.1	1161	167018	0	420	425	98 -	688	1112	146693	147117
UN00485	Rsa1.0_03209.1	859	24592	0	386	404	95 +	5	408	16842	17241
UN00486	Rsa1.0_02749.1	1117	28241	0	695	716	97 -	3	713	26791	27506
UN00487	Rsa1.0_00145.1	991	261008	0	827	936	88 +	57	958	75205	76105
UN00488	Rsa1.0_03682.1	1550	21396	0	368	380	96 +	579	958	12324	12703
UN00489	Rsa1.0_00749.1	841	65933	0	824	840	98 -	2	841	27966	28805
UN00490	Rsa1.0_03015.1	1510	26006	0	499	508	98 +	1003	1510	20793	21300
UN00491	Rsa1.0_00262.1	716	101906	1.00E-176	322	325	99 +	391	715	46959	47283
UN00492	Rsa1.0_00366.1	969	90880	0	939	967	97 -	2	966	51559	52525
UN00493	Rsa1.0_07021.1	1067	10016	1.00E-172	327	334	97 +	339	672	7093	7426
UN00494	Rsa1.0_00338.1	612	94109	8.00E-81	261	293	89 -	320	612	34848	35117
UN00495	Rsa1.0_00219.1	993	106983	1.00E-132	267	274	97 -	721	992	29590	29862
UN00496	Rsa1.0_06683.1	1029	10549	1.00E-179	321	322	99 +	1	322	7871	8192
UN00497	Rsa1.0_00039.1	865	296927	0	771	789	97 -	75	863	133718	134505
UN00498	Rsa1.0_03790.1	825	20844	0	638	667	95 -	89	745	8413	9071
UN00499	Rsa1.0_04881.1	1266	15608	0	869	934	93 -	305	1228	8384	9311
UN00500	Rsa1.0_02235.1	1031	33615	0	473	474	99 -	558	1031	17608	18081
UN00501	Rsa1.0_00654.1	983	70012	0	921	944	97 +	5	937	9140	10081
UN00502	Rsa1.0_01071.1	1090	166914	0	1032	1092	94 +	3	1085	12837	13926
UN00503	Rsa1.0_18158.1	1114	1655	0	721	735	98 -	379	1113	921	1655
UN00504	Rsa1.0_05522.1	1130	13441	1.00E-161	445	500	89 +	279	754	12962	13441
UN00505	Rsa1.0_00247.1	850	103408	1.00E-128	298	316	94 -	290	604	8483	8796

UN00506	Rsa1.0.01685.1	1024	175033	0	449	465	96 +	560	1023	15769	16230
UN00507	Rsa1.0.02265.1	1279	33233	0	1106	1116	99 -	163	1277	10854	11969
UN00508	Rsa1.0.01285.1	1341	172709	0	1321	1338	98 +	2	1339	39423	40760
UN00509	Rsa1.0.00398.1	812	88007	1.00E-169	346	360	96 -	2	358	42461	42820
UN00510	Rsa1.0.02518.1	1001	30586	1.00E-118	279	296	94 -	687	981	27798	28091
UN00511	Rsa1.0.02536.1	829	30368	0	793	824	96 +	8	827	28663	29486
UN00512	Rsa1.0.02579.1	830	29923	0	401	403	99 -	377	779	14697	15099
UN00513	Rsa1.0.00251.1	509	303968	2.00E-90	253	276	91 -	242	509	120948	121221
UN00514	Rsa1.0.00819.1	1226	62918	0	359	366	98 -	861	1225	46856	47221
UN00515	Rsa1.0.20310.1	858	1318	0	378	389	97 -	473	857	904	1292
UN00516	Rsa1.0.02266.1	1216	33195	0	1159	1227	94 +	3	1210	28532	29757
UN00517	Rsa1.0.07232.1	1804	9684	1.00E-168	353	365	96 +	1436	1799	1213	1570
UN00518	Rsa1.0.00121.1	937	278029	0	367	369	99 -	569	937	9592	9960
UN00519	Rsa1.0.00017.1	395	752458	1.00E-78	217	238	91 +	156	391	271555	271789
UN00520	Rsa1.0.02286.1	1199	32993	0	868	868	100 -	332	1199	24136	25003
UN00521	Rsa1.0.06814.1	1250	10309	0	660	678	97 -	572	1249	6129	6806
UN00522	Rsa1.0.01718.1	541	40389	1.00E-136	294	309	95 -	236	538	35336	35644
UN00523	Rsa1.0.00119.1	2101	467509	0	863	901	95 -	119	1010	346643	347543
UN00524	Rsa1.0.00818.1	997	62939	1.00E-178	388	410	94 -	95	504	40497	40902
UN00525	Rsa1.0.00036.1	1453	176186	0	783	789	99 +	652	1440	3281	4069
UN00526	Rsa1.0.09945.1	882	6076	0	444	456	97 +	427	882	303	758
UN00527	Rsa1.0.03207.1	969	24604	0	503	510	98 +	454	962	15790	16299
UN00528	Rsa1.0.00037.1	839	307838	0	380	381	99 -	459	839	266929	267309
UN00529	Rsa1.0.01373.1	875	47052	7.00E-76	162	167	97 +	223	389	2046	2209
UN00530	Rsa1.0.02269.1	1068	33168	0	555	566	98 -	109	674	23759	24324
UN00531	Rsa1.0.00065.1	1504	454616	0	439	454	96 -	2	450	213563	214016
UN00532	Rsa1.0.00208.1	983	108565	0	513	524	97 -	3	526	104420	104943
UN00533	Rsa1.0.06900.1	604	131268	1.00E-140	312	324	96 -	280	598	129932	130254
UN00534	Rsa1.0.02622.1	879	142402	1.00E-150	322	338	95 +	3	329	6671	7008
UN00535	Rsa1.0.00784.1	1090	64359	0	582	589	98 +	2	589	52062	52650
UN00536	Rsa1.0.00192.1	1234	278200	0	572	587	97 +	364	950	73828	74414
UN00537	Rsa1.0.27704.1	1449	842	1.00E-179	319	319	100 +	640	958	47	365
UN00538	Rsa1.0.03722.1	1032	21184	0	641	689	93 +	3	679	19983	20668
UN00539	Rsa1.0.00145.1	1267	261008	1.00E-140	253	253	100 -	1015	1267	93718	93970
UN00540	Rsa1.0.05241.1	1057	14405	0	356	364	97 -	687	1046	3058	3421
UN00541	Rsa1.0.02252.1	981	33375	0	376	383	98 -	179	561	31510	31892
UN00542	Rsa1.0.00032.1	866	306326	1.00E-121	251	263	95 +	615	866	279058	279320
UN00543	Rsa1.0.01105.1	886	53958	1.00E-92	185	189	97 +	102	290	10357	10545
UN00544	Rsa1.0.00383.1	1148	398431	0	761	816	93 +	286	1083	147000	147797

UN00545	Rsa1.0_00220.1	842	192936	5.00E-92	231	248	93 -	594	829	143213	143460
UN00546	Rsa1.0_05691.1	1729	12918	0	1716	1728	99 -	2	1729	351	2071
UN00547	Rsa1.0_02310.1	1284	32735	0	379	382	99 +	4	385	27360	27741
UN00548	Rsa1.0_04057.1	849	19333	1.00E-156	291	295	98 +	128	422	1571	1865
UN00549	Rsa1.0_02758.1	1059	28186	0	463	473	97 +	591	1059	13847	14319
UN00550	Rsa1.0_00572.1	925	74969	0	856	899	95 +	12	904	41155	42039
UN00551	Rsa1.0_01285.1	811	172709	3.00E-84	192	202	95 -	256	455	123780	123981
UN00552	Rsa1.0_00105.1	910	134138	0	829	853	97 +	2	852	62588	63440
UN00553	Rsa1.0_00782.1	805	64468	0	579	616	93 +	187	793	18764	19376
UN00554	Rsa1.0_15748.1	987	2448	9.00E-45	96	97	98 -	421	517	1488	1584
UN00555	Rsa1.0_01186.1	799	51418	0	794	806	98 +	1	799	31990	32795
UN00556	Rsa1.0_02725.1	807	28404	0	533	552	96 +	256	807	1939	2490
UN00557	Rsa1.0_00227.1	552	105849	0	514	536	95 +	2	534	35727	36258
UN00558	Rsa1.0_00017.1	816	752458	0	540	579	93 -	3	579	474193	474755
UN00559	Rsa1.0_00971.1	802	57973	9.00E-23	59	60	98 +	18	77	43498	43557
UN00560	Rsa1.0_00293.1	936	339294	1.00E-74	229	254	90 -	430	683	307382	307621
UN00561	Rsa1.0_00273.1	972	326186	1.00E-102	214	221	96 -	646	866	9437	9656
UN00562	Rsa1.0_01998.1	1086	36276	0	804	854	94 +	234	1082	10886	11722
UN00563	Rsa1.0_01141.1	799	52530	0	653	711	91 -	2	711	42680	43390
UN00564	Rsa1.0_00224.1	1015	327530	0	986	1020	96 +	1	1012	184453	185471
UN00565	Rsa1.0_00347.1	946	93048	1.00E-167	411	448	91 +	3	438	90999	91440
UN00566	Rsa1.0_00190.1	1017	318240	0	690	714	96 +	286	994	191430	192143
UN00567	Rsa1.0_21317.1	780	1216	0	602	623	96 -	145	764	183	805
UN00568	Rsa1.0_00277.1	1492	100132	1.00E-114	236	245	96 -	199	443	90130	90374
UN00569	Rsa1.0_04819.1	1785	140505	1.00E-160	320	331	96 -	1332	1662	5636	5966
UN00570	Rsa1.0_00925.1	649	59481	1.00E-142	286	296	96 +	290	585	38881	39176
UN00571	Rsa1.0_08285.1	1449	7606	0	548	563	97 -	382	944	2625	3187
UN00572	Rsa1.0_01435.1	891	45942	1.00E-136	277	285	97 +	3	287	24555	24835
UN00573	Rsa1.0_00087.1	1222	761073	1.00E-133	279	289	96 +	934	1220	223283	223571
UN00574	Rsa1.0_04126.1	1038	18939	0	384	386	99 +	3	388	18318	18703
UN00575	Rsa1.0_02682.1	546	28711	1.00E-128	257	261	98 -	287	546	9616	9874
UN00576	Rsa1.0_00539.1	1119	76926	1.00E-137	287	298	96 +	822	1118	28381	28675
UN00577	Rsa1.0_05848.1	875	12432	0	435	436	99 -	439	874	10367	10802
UN00578	Rsa1.0_02874.1	1542	27070	0	941	948	99 +	65	1009	4410	5357
UN00579	Rsa1.0_00336.1	847	445051	0	825	845	97 +	3	846	146873	147717
UN00580	Rsa1.0_01286.1	839	49209	1.00E-148	278	282	98 -	102	383	41233	41514
UN00581	Rsa1.0_03750.1	1314	21027	0	704	753	93 +	2	747	5247	5988
UN00582	Rsa1.0_00979.1	1416	57733	1.00E-178	371	384	96 -	1027	1405	40233	40616
UN00583	Rsa1.0_07865.1	1118	8400	1.00E-140	253	253	100 -	760	1012	3836	4088

UN00584	Rsa1.0_00017.1	1526	752458	0	409	428	95 +	2	426	412620	413043
UN00585	Rsa1.0_04415.1	1041	147889	1.00E-120	238	244	97 -	254	497	141887	142130
UN00586	Rsa1.0_00577.1	1329	174827	0	438	473	92 +	112	566	149759	150231
UN00587	Rsa1.0_03216.1	828	24540	1.00E-138	276	284	97 -	3	286	13319	13600
UN00588	Rsa1.0_00595.1	1310	341648	0	575	585	98 +	6	590	2389	2973
UN00589	Rsa1.0_00100.1	1225	249232	0	337	338	99 -	3	340	180836	181173
UN00590	Rsa1.0_00014.1	927	348985	0	679	707	96 -	208	909	36913	37612
UN00591	Rsa1.0_00727.1	890	66724	0	390	401	97 +	3	396	4925	5325
UN00592	Rsa1.0_00419.1	973	86562	0	451	454	99 +	380	833	79787	80240
UN00593	Rsa1.0_00224.1	708	327530	0	687	724	94 +	1	707	192374	193096
UN00594	Rsa1.0_00200.1	853	162016	1.00E-68	164	173	94 -	1	173	103491	103657
UN00595	Rsa1.0_01046.1	673	152989	1.00E-163	333	347	95 -	327	673	116451	116797
UN00596	Rsa1.0_01751.1	587	39806	1.00E-116	275	296	92 -	291	586	30350	30634
UN00597	Rsa1.0_00381.1	755	89718	1.00E-175	392	417	94 -	6	418	75167	75583
UN00598	#	#	#	#	#	#	#	#	#	#	#
UN00599	Rsa1.0_19257.1	1552	1455	0	433	433	100 -	1117	1549	699	1131
UN00600	Rsa1.0_03583.1	857	21946	0	494	505	97 +	361	855	20939	21443
UN00601	Rsa1.0_02179.1	1358	34188	0	479	482	99 +	877	1358	7052	7533
UN00602	Rsa1.0_00371.1	1126	90463	1.00E-119	239	246	97 -	153	398	13675	13920
UN00603	Rsa1.0_09236.1	899	6540	0	868	874	99 -	26	899	88	961
UN00604	Rsa1.0_13240.1	1547	4960	0	337	337	100 -	1164	1500	1	337
UN00605	Rsa1.0_04005.1	1015	19586	0	551	566	97 +	454	1015	18748	19313
UN00606	Rsa1.0_00046.1	2328	320315	0	668	691	96 +	1637	2327	67411	68101
UN00607	Rsa1.0_00960.1	778	58199	0	491	515	95 +	3	502	20997	21510
UN00608	Rsa1.0_00061.1	800	218685	0	774	809	95 -	1	800	856	1660
UN00609	Rsa1.0_13693.1	769	4469	0	706	782	90 +	2	769	2608	3362
UN00610	Rsa1.0_02723.1	1202	28408	0	627	656	95 -	546	1201	7665	8303
UN00611	Rsa1.0_01509.1	1131	44258	0	836	858	97 -	278	1131	35523	36380
UN00612	Rsa1.0_03746.1	1083	21050	0	490	505	97 +	160	664	19838	20342
UN00613	Rsa1.0_00131.1	598	432233	1.00E-85	176	181	97 -	122	302	274061	274241
UN00614	Rsa1.0_00440.1	1234	84723	1.00E-171	314	317	99 +	761	1077	24477	24793
UN00615	Rsa1.0_00067.1	1257	415055	0	820	820	100 -	438	1257	38266	39085
UN00616	Rsa1.0_01026.1	702	171624	0	606	606	100 -	97	702	14047	14652
UN00617	Rsa1.0_52552.1	855	433	0	431	433	99 -	333	765	1	433
UN00618	Rsa1.0_02658.1	1191	28978	0	355	362	98 -	832	1190	21972	22330
UN00619	Rsa1.0_03524.1	1283	22297	0	760	769	98 -	517	1283	4388	5155
UN00620	Rsa1.0_00146.1	1211	149343	1.00E-172	364	380	95 -	3	378	73067	73445
UN00621	Rsa1.0_01537.1	1554	187285	0	422	434	97 +	883	1316	16266	16699
UN00622	Rsa1.0_00354.1	937	232005	1.00E-115	267	281	95 -	659	937	192326	192602

UN00623	Rsa1.0_00006.1	1147	396176	0	417	423	98 +	725	1147	201166	201588
UN00624	Rsa1.0_00837.1	1411	62568	1.00E-136	247	247	100 -	3	249	53363	53609
UN00625	Rsa1.0_00271.1	920	101125	0	622	657	94 +	268	920	75163	75818
UN00626	Rsa1.0_01121.1	880	53407	0	840	871	96 +	1	865	7235	8105
UN00627	Rsa1.0_00740.1	1092	215972	0	857	865	99 -	228	1092	199540	200404
UN00628	Rsa1.0_00079.1	815	606987	2.33E-156	312	327	95 -	494	815	464220	464545
UN00629	Rsa1.0_06419.1	832	11055	0	670	767	87 -	9	774	1489	2253
UN00630	Rsa1.0_00129.1	748	126831	1.00E-147	402	443	90 +	316	741	113976	114410
UN00631	Rsa1.0_00129.1	760	126831	1.00E-156	301	307	98 -	83	389	45712	46016
UN00632	Rsa1.0_01955.1	1176	36850	1.00E-144	415	463	89 -	474	917	13073	13535
UN00633	Rsa1.0_02616.1	1364	29542	0	613	662	92 +	668	1317	1279	1931
UN00634	Rsa1.0_00046.1	578	320315	3.00E-52	135	144	93 +	435	576	75134	75277
UN00635	Rsa1.0_01373.1	1046	47052	0	396	400	99 -	336	732	21559	21958
UN00636	Rsa1.0_00190.1	1026	318240	1.00E-167	365	383	95 +	43	421	134842	135221
UN00637	Rsa1.0_02322.1	682	32555	1.00E-107	225	233	96 -	1	233	26970	27201
UN00638	Rsa1.0_02634.1	1041	29299	0	439	470	93 -	582	1039	1428	1897
UN00639	Rsa1.0_04169.1	1133	18712	1.00E-139	327	347	94 +	790	1129	2537	2880
UN00640	Rsa1.0_00097.1	1355	138858	0	636	643	98 +	710	1352	34058	34700
UN00641	Rsa1.0_01974.1	1221	36583	0	419	437	95 -	778	1211	11606	12039
UN00642	Rsa1.0_02694.1	1055	28610	0	503	528	95 -	4	528	5002	5524
UN00643	Rsa1.0_00228.1	1396	105511	0	1345	1404	95 +	1	1394	27844	29218
UN00644	Rsa1.0_00714.1	1000	67187	3.00E-91	338	390	86 -	5	384	14248	14623
UN00645	Rsa1.0_00250.1	1176	273771	2.00E-86	199	211	94 +	1	211	60373	60583
UN00646	Rsa1.0_01857.1	1304	38103	0	392	405	96 +	851	1254	22856	23259
UN00647	Rsa1.0_03005.1	1654	26082	1.00E-104	243	260	93 -	1	254	10402	10656
UN00648	Rsa1.0_00294.1	845	144860	0	809	837	96 -	2	838	81600	82431
UN00649	Rsa1.0_00180.1	762	114581	1.00E-111	240	250	96 +	1	245	16501	16750
UN00650	Rsa1.0_03477.1	841	22635	0	813	832	97 +	1	832	6174	7005
UN00651	Rsa1.0_05874.1	990	12351	0	880	906	97 +	1	906	9254	10158
UN00652	Rsa1.0_00151.1	1441	119541	0	545	575	94 +	1	567	55775	56339
UN00653	Rsa1.0_00068.1	857	151813	1.00E-121	280	298	93 +	1	296	112707	113001
UN00654	Rsa1.0_04238.1	717	18352	0	410	417	98 -	1	415	8709	9123
UN00655	Rsa1.0_00548.1	1079	76518	1.00E-113	239	249	95 +	7	252	60513	60761
UN00656	Rsa1.0_00344.1	787	191774	0	367	371	98 -	2	372	182012	182382
UN00657	Rsa1.0_20130.1	386	1337	1.00E-144	361	391	92 -	1	383	217	607
UN00658	Rsa1.0_00752.1	1495	65756	0	452	469	96 +	1032	1494	21393	21855
UN00659	Rsa1.0_00040.1	959	324196	1.00E-133	254	258	98 +	252	509	154828	155085
UN00660	Rsa1.0_00868.1	1386	61630	0	736	736	100 +	1	736	43876	44611
UN00661	Rsa1.0_00151.1	1617	119541	1.00E-141	362	399	90 -	2	383	45328	45719

UN00662	Rsa1.0.00130.1	899	125737	0	716	716	100 -	2	717	8316	9031
UN00663	Rsa1.0.02413.1	2322	31628	0	469	469	100 -	831	1299	16457	16925
UN00664	Rsa1.0.00279.1	864	100039	1.00E-174	325	330	98 -	1	330	25208	25537
UN00665	Rsa1.0.03238.1	708	24432	1.00E-109	254	265	95 -	1	261	18219	18482
UN00666	Rsa1.0.05074.1	972	14925	0	380	383	99 +	2	384	10125	10506
UN00667	Rsa1.0.00140.1	720	121541	1.00E-136	298	314	94 -	405	718	21983	22295
UN00668	Rsa1.0.04126.1	1099	18939	0	488	489	99 -	1	489	17402	17890
UN00669	Rsa1.0.00597.1	499	73445	1.00E-166	347	363	95 -	144	499	10945	11307
UN00670	Rsa1.0.00901.1	1518	60363	0	1509	1516	99 -	1	1516	57966	59481
UN00671	Rsa1.0.00108.1	1007	478491	1.00E-147	292	300	97 -	1	299	277523	277822
UN00672	Rsa1.0.00271.1	1223	101125	1.00E-155	330	341	96 -	16	351	49646	49985
UN00673	Rsa1.0.03847.1	758	20479	0	740	759	97 -	1	758	5002	5760
UN00674	Rsa1.0.06482.1	713	10937	1.00E-132	296	315	93 +	388	702	8153	8456
UN00675	Rsa1.0.00848.1	724	152362	7.00E-94	205	215	95 +	1	215	39215	39429
UN00676	Rsa1.0.04375.1	610	141717	0	606	608	99 -	1	608	8395	9002
UN00677	Rsa1.0.05173.1	796	14606	0	583	606	96 +	4	608	8132	8730
UN00678	Rsa1.0.26431.1	793	892	0	496	506	98 -	2	507	370	872
UN00679	Rsa1.0.02248.1	1060	33414	0	467	470	99 +	356	825	12478	12947
UN00680	Rsa1.0.00176.1	970	240984	1.00E-43	121	131	92 +	812	942	18131	18261
UN00681	Rsa1.0.00039.1	1296	296927	0	685	691	99 +	1	691	254847	255531
UN00682	Rsa1.0.00716.1	801	67078	4.00E-65	291	343	84 +	1	341	51491	51833
UN00683	Rsa1.0.00880.1	616	61271	0	599	616	97 -	1	616	47645	48256
UN00684	Rsa1.0.00112.1	1320	132199	0	719	746	96 +	4	749	83967	84710
UN00685	Rsa1.0.00633.1	809	71250	0	468	471	99 -	1	471	5178	5648
UN00686	Rsa1.0.00782.1	955	64468	0	805	835	96 +	123	954	47530	48364
UN00687	Rsa1.0.00070.1	831	150321	0	509	527	96 +	1	520	59090	59616
UN00688	Rsa1.0.00458.1	911	82717	1.00E-126	248	254	97 +	412	665	68138	68391
UN00689	Rsa1.0.01506.1	471	44370	1.00E-115	274	293	93 -	183	471	17888	18180
UN00690	Rsa1.0.01549.1	754	43543	1.00E-175	338	347	97 -	408	754	696	1042
UN00691	Rsa1.0.02867.1	889	27121	0	887	887	100 +	1	887	705	1591
UN00692	Rsa1.0.00486.1	529	80875	1.00E-85	227	249	91 -	249	497	34925	35163
UN00693	Rsa1.0.00037.1	1426	307838	0	457	461	99 +	1	458	193408	193868
UN00694	Rsa1.0.00464.1	995	82253	1.00E-105	219	227	96 +	135	361	37374	37600
UN00695	Rsa1.0.04819.1	930	140505	0	353	354	99 +	1	354	5613	5966
UN00696	Rsa1.0.00387.1	1269	495407	0	422	441	95 +	1	439	401061	401493
UN00697	Rsa1.0.08190.1	736	7764	1.00E-167	317	322	98 -	1	322	4617	4937
UN00698	Rsa1.0.00205.1	551	193401	1.00E-133	283	293	96 +	1	291	79344	79635
UN00699	Rsa1.0.39485.1	817	569	1.00E-132	239	239	100 -	1	239	1	239
UN00700	Rsa1.0.02239.1	536	33534	1.00E-125	349	387	90 +	1	376	28368	28743

UN00701	Rsa1.0.00157.1	485	245832	2.00E-47	141	154	91 -	15	163	136953	137106
UN00702	Rsa1.0.00032.1	826	306326	0	596	627	95 +	1	625	284776	285401
UN00703	Rsa1.0.21164.1	779	1229	1.00E-178	353	363	97 -	3	365	836	1194
UN00704	Rsa1.0.02650.1	1187	29047	1.00E-169	310	313	99 +	578	890	11720	12032
UN00705	Rsa1.0.00116.1	1180	365886	1.00E-179	324	326	99 +	6	331	36657	36982
UN00706	Rsa1.0.03873.1	157	20360	6.00E-57	121	124	97 +	1	124	9834	9957
UN00707	Rsa1.0.46918.1	658	481	1.00E-165	301	303	99 -	356	658	176	478
UN00708	Rsa1.0.03664.1	539	21487	1.00E-116	219	221	99 -	296	516	7043	7263
UN00709	Rsa1.0.00714.1	159	67187	3.00E-68	150	155	96 -	1	155	3659	3812
UN00710	Rsa1.0.00320.1	831	95784	0	446	477	93 +	361	824	36827	37294
UN00711	Rsa1.0.01825.1	715	38725	0	356	363	98 +	304	666	27981	28343
UN00712	Rsa1.0.00556.1	1317	207212	0	549	597	91 +	4	590	37977	38572
UN00713	Rsa1.0.01683.1	757	41059	0	680	744	91 -	1	732	24130	24844
UN00714	Rsa1.0.00664.1	1010	69573	0	429	451	95 +	1	440	16651	17101
UN00715	Rsa1.0.01118.1	1323	53460	1.00E-135	244	244	100 +	486	729	13629	13872
UN00716	Rsa1.0.17967.1	939	1699	0	930	944	98 -	1	937	517	1460
UN00717	Rsa1.0.00837.1	1267	62568	0	346	349	99 +	1	349	50675	51023
UN00718	Rsa1.0.03606.1	704	21818	1.00E-124	277	291	95 -	5	294	4426	4706
UN00719	Rsa1.0.00018.1	797	410899	0	399	406	98 +	393	797	403692	404095
UN00720	Rsa1.0.01704.1	1340	40711	0	1268	1337	94 -	1	1311	31433	32769
UN00721	Rsa1.0.00928.1	711	59293	1.00E-151	287	291	98 -	419	709	29451	29740
UN00722	Rsa1.0.00113.1	642	131574	0	439	477	92 +	160	630	4781	5256
UN00723	Rsa1.0.19822.1	890	1378	0	790	828	95 -	72	890	336	1163
UN00724	Rsa1.0.03073.1	1222	25574	0	780	816	95 -	120	935	86	897
UN00725	Rsa1.0.10486.1	821	5830	4.00E-74	157	162	96 +	553	714	393	554
UN00726	Rsa1.0.00265.1	855	220635	1.00E-89	174	176	98 -	306	481	172356	172531
UN00727	Rsa1.0.02703.1	1305	28544	1.00E-138	283	294	96 +	620	913	9049	9342
UN00728	Rsa1.0.00233.1	749	104918	1.00E-115	246	255	96 -	497	749	86427	86681
UN00729	Rsa1.0.00027.1	854	283362	1.00E-128	248	253	98 -	132	384	169310	169562
UN00730	Rsa1.0.00253.1	1325	231292	1.00E-119	236	242	97 +	846	1087	123819	124060
UN00731	Rsa1.0.03396.1	821	23242	0	586	624	93 +	175	795	8871	9471
UN00732	Rsa1.0.00424.1	1715	86005	0	681	697	97 +	374	1070	66771	67467
UN00733	Rsa1.0.03393.1	455	23247	1.00E-120	270	287	94 -	179	455	946	1232
UN00734	Rsa1.0.04753.1	1361	16124	0	566	589	96 +	753	1339	15339	15924
UN00735	Rsa1.0.01986.1	611	36489	1.00E-95	206	214	96 -	398	611	27726	27938
UN00736	Rsa1.0.00631.1	838	71277	0	414	439	94 -	2	426	18179	18617
UN00737	Rsa1.0.03001.1	924	26108	1.00E-122	229	231	99 -	272	502	13258	13488
UN00738	Rsa1.0.00087.1	880	761073	1.00E-154	343	359	95 +	526	879	225356	225712
UN00739	Rsa1.0.00049.1	1151	167018	0	594	597	99 -	2	598	49432	50028

UN00740	Rsa1.0_00253.1	715	231292	1.00E-129	428	493	86 -	73	565	196884	197364
UN00741	Rsa1.0_00006.1	1193	396176	0	348	352	98 +	624	975	83435	83786
UN00742	Rsa1.0_08042.1	776	8020	0	743	777	95 +	5	776	1090	1865
UN00743	Rsa1.0_16567.1	850	2109	1.00E-101	196	199	98 +	414	612	1316	1514
UN00744	Rsa1.0_02224.1	937	33758	1.00E-132	243	244	99 -	263	506	30415	30658
UN00745	Rsa1.0_00454.1	629	216970	1.00E-101	326	366	89 +	270	629	142994	143349
UN00746	Rsa1.0_00970.1	1084	57994	0	491	517	94 -	582	1084	30952	31466
UN00747	Rsa1.0_07208.1	2156	9719	0	1314	1374	95 -	788	2155	6630	7993
UN00748	Rsa1.0_02247.1	920	33427	1.00E-118	267	282	94 +	584	864	28646	28924
UN00749	Rsa1.0_02234.1	873	33618	0	482	508	94 -	366	873	4042	4534
UN00750	Rsa1.0_01246.1	726	49968	0	704	722	97 -	3	723	34409	35125
UN00751	Rsa1.0_00713.1	554	158017	1.00E-137	341	368	92 +	152	511	153615	153982
UN00752	Rsa1.0_09117.1	1005	6637	1.00E-169	333	346	96 -	132	465	2458	2803
UN00753	Rsa1.0_02658.1	1841	28978	0	393	413	95 -	1447	1841	5435	5846
UN00754	Rsa1.0_00697.1	1320	67913	0	953	988	96 -	330	1313	37664	38651
UN00755	Rsa1.0_04301.1	831	18022	0	478	520	91 +	3	517	3138	3629
UN00756	Rsa1.0_00100.1	472	249232	0	434	468	92 -	4	458	181624	182082
UN00757	Rsa1.0_16374.1	961	2173	0	734	776	94 -	29	804	976	1735
UN00758	Rsa1.0_00566.1	755	75325	1.00E-145	371	404	91 -	38	427	25336	25729
UN00759	Rsa1.0_00609.1	1158	72785	0	435	449	96 +	568	1015	70202	70650
UN00760	Rsa1.0_01136.1	598	52724	1.00E-127	268	277	96 +	321	596	22713	22985
UN00761	Rsa1.0_00921.1	1057	59599	1.00E-125	240	244	98 +	738	981	2810	3053
UN00762	Rsa1.0_01309.1	1294	48556	0	533	543	98 -	755	1292	16161	16703
UN00763	Rsa1.0_00388.1	654	88890	1.00E-134	243	243	100 +	125	367	54976	55218
UN00764	Rsa1.0_01080.1	747	54752	0	539	544	99 -	203	745	7932	8475
UN00765	Rsa1.0_02269.1	1395	33168	1.00E-177	355	367	96 +	628	993	3346	3712
UN00766	Rsa1.0_00457.1	638	337301	7.00E-66	131	132	99 +	394	525	179228	179359
UN00767	Rsa1.0_00833.1	791	62621	4.00E-68	164	174	94 -	1	171	7472	7645
UN00768	Rsa1.0_00001.1	895	363028	1.00E-106	199	200	99 -	2	201	305974	306173
UN00769	Rsa1.0_01669.1	763	41286	0	737	775	95 +	1	756	38600	39374
UN00770	Rsa1.0_00055.1	1112	520193	0	680	689	98 +	424	1112	98332	99020
UN00771	Rsa1.0_25516.1	1015	933	0	619	627	98 -	391	1013	23	649
UN00772	Rsa1.0_00300.1	1432	97747	1.00E-114	306	338	90 -	1079	1416	43860	44197
UN00773	Rsa1.0_00173.1	779	288743	0	388	401	96 +	380	779	203686	204082
UN00774	Rsa1.0_20572.1	1248	1292	0	1111	1141	97 +	108	1248	1	1139
UN00775	Rsa1.0_01119.1	1240	53459	0	1116	1179	94 +	11	1178	3953	5114
UN00776	Rsa1.0_05583.1	655	13268	1.00E-79	169	175	96 -	124	298	1012	1186
UN00777	Rsa1.0_00069.1	1658	403561	0	1195	1226	97 -	1	1224	208564	209779
UN00778	Rsa1.0_02916.1	838	26809	1.00E-161	406	444	91 +	407	838	5584	6013

UN00779	Rsa1.0_00391.1	1095	183853	0	465	481	96 -	615	1093	45950	46427
UN00780	Rsa1.0_00188.1	1125	112020	0	449	463	96 -	221	683	74179	74638
UN00781	Rsa1.0_02907.1	1191	26861	0	549	593	92 -	610	1191	15213	15794
UN00782	Rsa1.0_03034.1	1359	157864	0	939	942	99 -	158	1099	3881	4822
UN00783	Rsa1.0_00060.1	1338	502678	0	325	325	100 -	1014	1338	252641	252965
UN00784	Rsa1.0_07676.1	1040	8827	0	496	498	99 +	544	1040	763	1260
UN00785	Rsa1.0_00392.1	1128	88523	0	569	621	91 +	493	1088	65484	66095
UN00786	Rsa1.0_02600.1	1109	29657	1.00E-118	341	383	89 -	740	1097	1277	1658
UN00787	Rsa1.0_00421.1	734	86365	1.00E-104	280	310	90 -	437	734	14724	15033
UN00788	Rsa1.0_00127.1	1182	127446	1.00E-130	352	384	91 +	423	800	36967	37345
UN00789	Rsa1.0_00979.1	1043	57733	1.00E-115	261	277	94 -	167	440	41925	42201
UN00790	Rsa1.0_00002.1	945	601661	0	541	554	97 +	278	831	231774	232327
UN00791	Rsa1.0_00731.1	716	66638	0	705	711	99 -	5	715	12893	13603
UN00792	Rsa1.0_04689.1	697	16376	0	450	461	97 +	1	461	715	1175
UN00793	Rsa1.0_05153.1	894	14663	1.00E-115	269	285	94 +	600	878	2743	3023
UN00794	Rsa1.0_04920.1	1237	15434	0	1182	1206	98 -	44	1237	412	1617
UN00795	Rsa1.0_06553.1	772	10795	1.00E-122	229	231	99 -	196	426	5503	5733
UN00796	Rsa1.0_01239.1	713	50107	1.00E-136	270	276	97 +	3	278	17129	17400
UN00797	Rsa1.0_00092.1	1077	659932	1.00E-119	230	234	98 -	253	486	444940	445173
UN00798	Rsa1.0_00965.1	233	58139	6.00E-30	81	85	95 +	89	173	7327	7408
UN00799	Rsa1.0_03395.1	1084	23243	0	428	450	95 +	642	1084	21042	21487
UN00800	Rsa1.0_33048.1	764	687	7.00E-79	294	338	86 -	373	707	239	576
UN00801	Rsa1.0_00085.1	1052	142226	0	371	384	96 -	670	1052	62439	62819
UN00802	Rsa1.0_00102.1	1295	135497	2.00E-46	102	104	98 +	882	985	8020	8123
UN00803	Rsa1.0_21386.1	1044	1209	0	835	876	95 -	172	1044	131	1006
UN00804	Rsa1.0_01245.1	850	149868	0	516	544	94 +	326	850	45960	46503
UN00805	Rsa1.0_00003.1	1665	340054	0	750	766	97 -	898	1663	8201	8966
UN00806	Rsa1.0_00103.1	720	135304	0	697	718	97 -	3	720	22154	22869
UN00807	Rsa1.0_00981.1	803	57700	1.00E-141	360	396	90 -	4	372	50690	51085
UN00808	Rsa1.0_00673.1	736	69325	0	732	736	99 -	3	736	32994	33729
UN00809	Rsa1.0_43878.1	832	512	0	503	511	98 +	1	508	2	511
UN00810	Rsa1.0_00451.1	503	322533	1.00E-119	284	300	94 +	205	500	301659	301956
UN00811	Rsa1.0_01523.1	793	43959	1.00E-159	285	285	100 -	508	792	2751	3035
UN00812	Rsa1.0_00374.1	1043	165738	0	402	418	96 +	630	1043	5585	5999
UN00813	Rsa1.0_00092.1	1192	659932	0	399	416	95 +	784	1191	505878	506292
UN00814	Rsa1.0_00255.1	1400	204967	0	836	844	99 +	557	1399	70989	71832
UN00815	Rsa1.0_02492.1	571	30859	1.00E-120	291	309	94 +	264	571	12178	12480
UN00816	Rsa1.0_00012.1	917	222148	0	586	603	97 +	319	917	130843	131441
UN00817	Rsa1.0_00273.1	765	326186	1.00E-166	419	450	93 -	322	765	26633	27078

UN00818	Rsa1.0.00625.1	739	71672	5.00E-89	188	195	96 -	476	670	31476	31670
UN00819	Rsa1.0.11393.1	1290	5521	0	397	418	94 -	3	419	205	619
UN00820	Rsa1.0.01804.1	797	39038	0	420	430	97 +	370	797	34084	34510
UN00821	Rsa1.0.00467.1	832	156542	0	785	815	96 +	3	810	92931	93745
UN00822	Rsa1.0.00022.1	1166	200461	0	815	856	95 +	18	873	43338	44178
UN00823	Rsa1.0.00082.1	857	237584	1.00E-117	259	274	94 -	48	315	56446	56719
UN00824	Rsa1.0.00778.1	1031	196751	9.00E-82	158	159	99 -	400	558	7426	7584
UN00825	Rsa1.0.02625.1	885	139104	1.00E-160	367	393	93 +	2	388	11405	11796
UN00826	Rsa1.0.00023.1	785	194764	6.00E-67	133	134	99 +	218	351	69517	69650
UN00827	Rsa1.0.26169.1	1063	903	1.00E-150	272	273	99 +	200	472	551	823
UN00828	Rsa1.0.01545.1	908	43599	0	518	533	97 -	3	535	27015	27539
UN00829	Rsa1.0.00544.1	409	76787	0	380	394	96 -	2	392	8466	8859
UN00830	Rsa1.0.00136.1	947	122464	0	393	398	98 -	3	400	68244	68638
UN00831	Rsa1.0.00045.1	1033	328694	0	495	514	96 -	525	1032	184204	184717
UN00832	Rsa1.0.00087.1	1216	761073	0	643	693	92 -	536	1215	733567	734242
UN00833	Rsa1.0.03005.1	1721	26082	1.00E-112	215	218	98 +	17	234	7720	7937
UN00834	Rsa1.0.02362.1	799	32190	1.00E-176	348	356	97 -	434	785	24790	25145
UN00835	Rsa1.0.21931.1	1369	1162	0	665	682	97 -	599	1280	4	685
UN00836	Rsa1.0.02473.1	621	31083	0	600	623	96 -	3	621	9004	9620
UN00837	Rsa1.0.01061.1	1052	55349	1.00E-156	283	284	99 +	769	1052	38814	39097
UN00838	Rsa1.0.01412.1	433	46311	1.00E-94	306	348	87 -	119	433	10270	10614
UN00839	Rsa1.0.41478.1	1734	542	0	398	416	95 +	545	960	35	450
UN00840	Rsa1.0.00277.1	1042	100132	0	478	516	92 +	437	946	2808	3323
UN00841	Rsa1.0.01168.1	1317	153765	0	1117	1181	94 +	159	1317	20893	22072
UN00842	Rsa1.0.01390.1	831	46695	0	434	449	96 +	387	831	24733	25181
UN00843	Rsa1.0.02041.1	867	163634	0	830	867	95 +	1	867	157069	157935
UN00844	Rsa1.0.02358.1	949	32213	1.00E-166	325	335	97 -	427	761	384	712
UN00845	Rsa1.0.00179.1	1918	393324	0	387	391	98 -	715	1105	51783	52173
UN00846	Rsa1.0.00035.1	769	176449	1.00E-128	241	244	98 -	3	246	5459	5702
UN00847	Rsa1.0.04230.1	903	18384	0	461	474	97 +	4	474	10531	11003
UN00848	Rsa1.0.00644.1	750	136881	2.00E-57	123	126	97 +	231	356	30581	30706
UN00849	Rsa1.0.04945.1	972	15370	0	877	891	98 +	81	971	8767	9656
UN00850	Rsa1.0.00051.1	684	258225	0	491	513	95 +	3	515	113688	114193
UN00851	Rsa1.0.00262.1	680	101906	1.00E-112	227	234	97 +	7	240	46434	46663
UN00852	Rsa1.0.00362.1	798	299497	1.00E-154	292	297	98 -	3	299	270726	271022
UN00853	Rsa1.0.03982.1	884	19723	0	682	719	94 -	176	884	11052	11767
UN00854	Rsa1.0.00354.1	1409	232005	0	561	563	99 -	342	904	230428	230990
UN00855	Rsa1.0.00457.1	939	337301	1.00E-155	296	302	98 +	637	938	2588	2889
UN00856	Rsa1.0.00393.1	1032	158674	0	569	588	96 +	1	588	135770	136351

UN00857	Rsa1.0_00740.1	897	215972	0	887	913	97 +	4	897	43427	44336
UN00858	Rsa1.0_01601.1	1230	42519	1.00E-124	236	238	99 -	991	1227	17159	17396
UN00859	Rsa1.0_01989.1	1568	36439	1.00E-173	345	355	97 +	7	357	8731	9085
UN00860	Rsa1.0_03887.1	1064	20247	0	394	396	99 -	3	398	4347	4742
UN00861	Rsa1.0_00273.1	928	326186	5.00E-83	166	169	98 -	6	174	162185	162353
UN00862	Rsa1.0_01000.1	765	57140	1.00E-64	129	130	99 -	69	198	39653	39782
UN00863	Rsa1.0_00308.1	798	96915	0	385	405	95 +	357	760	81326	81724
UN00864	Rsa1.0_04160.1	929	18795	0	454	456	99 +	474	928	9896	10351
UN00865	Rsa1.0_02794.1	772	27820	1.00E-148	267	267	100 -	1	267	2429	2695
UN00866	Rsa1.0_01116.1	1140	142088	1.00E-167	308	310	99 -	831	1140	119147	119455
UN00867	Rsa1.0_20459.1	814	1303	0	455	483	94 -	334	811	349	828
UN00868	Rsa1.0_00895.1	1366	60615	2.33E-156	293	303	96 -	245	547	41770	42072
UN00869	Rsa1.0_00245.1	1209	103569	0	662	687	96 +	528	1209	100778	101459
UN00870	Rsa1.0_00017.1	1126	752458	1.00E-111	238	248	95 +	882	1125	450189	450434
UN00871	Rsa1.0_00790.1	733	148693	1.00E-136	267	274	97 -	10	283	57272	57545
UN00872	Rsa1.0_00139.1	751	357786	1.00E-171	449	492	91 -	241	730	45669	46158
UN00873	Rsa1.0_13182.1	1247	4980	0	499	538	92 -	704	1240	3911	4436
UN00874	Rsa1.0_02573.1	1228	29955	0	1216	1231	98 +	5	1227	10723	11953
UN00875	Rsa1.0_05319.1	957	14158	0	677	685	98 -	6	690	5065	5749
UN00876	Rsa1.0_00878.1	1109	330303	1.00E-154	348	372	93 -	741	1109	9130	9489
UN00877	Rsa1.0_00727.1	856	66724	5.00E-89	167	167	100 +	690	856	33639	33805
UN00878	Rsa1.0_17985.1	1279	1695	1.00E-106	219	225	97 -	4	228	540	763
UN00879	Rsa1.0_00033.1	881	515811	0	421	439	95 -	354	792	485172	485610
UN00880	Rsa1.0_01896.1	914	37512	0	883	934	94 +	1	914	19194	20127
UN00881	Rsa1.0_00074.1	947	147591	0	922	930	99 +	2	930	90669	91598
UN00882	Rsa1.0_01170.1	763	161131	0	452	485	93 -	304	761	117423	117907
UN00883	Rsa1.0_00748.1	824	65983	1.00E-147	277	281	98 +	413	693	58948	59228
UN00884	Rsa1.0_02039.1	1113	35699	1.00E-147	350	377	92 +	2	358	883	1259
UN00885	Rsa1.0_00999.1	658	57162	0	507	533	95 +	1	530	24609	25141
UN00886	Rsa1.0_03305.1	1167	147552	0	467	486	96 +	683	1165	141859	142342
UN00887	Rsa1.0_06160.1	1293	11596	0	473	485	97 +	184	668	10937	11421
UN00888	Rsa1.0_00224.1	630	327530	1.00E-161	287	287	100 +	343	629	195632	195918
UN00889	Rsa1.0_00030.1	1300	250988	0	626	684	91 -	650	1299	124921	125598
UN00890	Rsa1.0_06032.1	906	11886	1.00E-151	284	288	98 -	619	906	9059	9346
UN00891	Rsa1.0_00974.1	927	57893	0	361	361	100 -	225	585	38890	39250
UN00892	Rsa1.0_00240.1	1197	104175	0	383	395	96 +	802	1196	18059	18453
UN00893	Rsa1.0_03640.1	1018	21624	0	487	506	96 -	438	933	15487	15992
UN00894	Rsa1.0_00200.1	1500	162016	0	379	394	96 -	98	488	150563	150956
UN00895	Rsa1.0_01478.1	685	44991	1.00E-73	144	145	99 +	42	186	13009	13153

UN00896	Rsa1.0_10601.1	951	5789	1.00E-143	316	332	95 -	625	951	5284	5615
UN00897	Rsa1.0_01339.1	724	47813	1.00E-123	310	336	92 +	238	573	14806	15133
UN00898	Rsa1.0_00123.1	1180	325650	1.00E-142	256	256	100 +	925	1180	175498	175753
UN00899	Rsa1.0_01454.1	716	45440	1.00E-101	344	400	86 -	20	417	23564	23938
UN00900	Rsa1.0_00491.1	769	80219	1.00E-148	340	364	93 +	408	769	78437	78794
UN00901	Rsa1.0_01042.1	1227	293264	0	615	631	97 +	604	1225	137345	137974
UN00902	Rsa1.0_00447.1	793	84051	1.00E-113	223	228	97 -	293	520	57123	57350
UN00903	Rsa1.0_01233.1	802	50184	1.00E-157	285	286	99 -	3	288	30435	30720
UN00904	Rsa1.0_00437.1	785	84879	0	380	386	98 +	354	739	39662	40047
UN00905	Rsa1.0_01389.1	1094	46716	3.00E-97	190	193	98 +	536	728	26528	26720
UN00906	Rsa1.0_01971.1	1355	36641	1.00E-122	238	243	97 -	1104	1346	25146	25388
UN00907	Rsa1.0_00275.1	568	210104	1.00E-159	301	304	99 -	263	566	154366	154667
UN00908	#	#	#	#	#	#	#	#	#	#	#
UN00909	Rsa1.0_00018.1	713	410899	2.00E-97	184	185	99 +	124	308	258616	258800
UN00910	Rsa1.0_00632.1	684	183777	0	653	693	94 -	2	684	145375	146055
UN00911	Rsa1.0_02212.1	1018	33840	1.00E-83	164	166	98 -	446	611	28024	28189
UN00912	Rsa1.0_09577.1	1325	6275	0	929	975	95 -	303	1265	961	1935
UN00913	Rsa1.0_02550.1	910	291051	0	370	371	99 -	540	910	18189	18559
UN00914	Rsa1.0_02041.1	731	163634	0	430	443	97 -	3	445	14539	14972
UN00915	Rsa1.0_00013.1	1788	292129	0	633	635	99 +	1153	1787	168710	169343
UN00916	Rsa1.0_00411.1	1282	86944	0	497	508	97 +	1	508	3204	3711
UN00917	Rsa1.0_35196.1	1023	643	0	412	417	98 +	151	567	227	643
UN00918	Rsa1.0_01668.1	975	41299	1.00E-113	355	401	88 +	587	975	19391	19783
UN00919	Rsa1.0_05662.1	804	13011	0	367	371	98 -	434	804	5288	5658
UN00920	Rsa1.0_01096.1	814	54266	1.00E-170	309	311	99 -	3	313	10256	10566
UN00921	Rsa1.0_00690.1	739	140527	1.00E-128	256	264	96 +	3	266	57035	57298
UN00922	Rsa1.0_03239.1	403	24430	1.00E-136	249	250	99 +	2	251	12175	12424
UN00923	Rsa1.0_00093.1	921	214962	0	402	409	98 +	518	921	13902	14310
UN00924	Rsa1.0_00893.1	1062	60626	0	388	395	98 -	2	396	4394	4788
UN00925	Rsa1.0_00512.1	1193	200277	0	399	400	99 +	794	1193	30514	30913
UN00926	Rsa1.0_01503.1	624	44467	1.00E-152	293	300	97 +	190	489	43714	44013
UN00927	Rsa1.0_02872.1	831	27080	1.00E-145	302	313	96 -	519	831	9164	9469
UN00928	Rsa1.0_13514.1	1059	4757	0	701	723	96 +	341	1059	836	1552
UN00929	Rsa1.0_05522.1	517	13441	4.00E-76	168	175	96 +	1	175	8265	8436
UN00930	#	#	#	#	#	#	#	#	#	#	#
UN00931	Rsa1.0_04404.1	866	17510	0	614	626	98 +	147	772	9475	10100
UN00932	Rsa1.0_00538.1	827	77149	0	373	381	97 +	163	543	65814	66194
UN00933	Rsa1.0_00714.1	1002	67187	1.00E-129	260	269	96 +	4	272	22282	22544
UN00934	Rsa1.0_00214.1	1030	107508	1.00E-126	350	391	89 -	644	1030	28880	29247

UN00935	Rsa1.0.01504.1	779	189978	1.00E-147	285	291	97 -	8	296	171988	172278
UN00936	Rsa1.0.01561.1	525	43227	0	489	524	93 +	1	524	33388	33880
UN00937	Rsa1.0.00327.1	939	94892	0	662	686	96 -	261	939	70626	71308
UN00938	Rsa1.0.17015.1	1049	1953	1.00E-103	237	251	94 -	2	244	874	1121
UN00939	Rsa1.0.00121.1	998	278029	0	982	999	98 +	2	998	103336	104334
UN00940	Rsa1.0.00924.1	1636	59524	1.00E-137	254	256	99 -	1020	1275	38046	38301
UN00941	Rsa1.0.01946.1	852	36982	1.00E-120	219	219	100 +	246	464	31309	31527
UN00942	Rsa1.0.03034.1	1501	157864	0	496	516	96 +	982	1496	134541	135055
UN00943	Rsa1.0.01416.1	1273	46262	1.00E-131	281	293	95 -	980	1272	28739	29028
UN00944	Rsa1.0.00251.1	760	303968	1.00E-138	316	338	93 +	3	339	130075	130403
UN00945	Rsa1.0.00078.1	1032	175053	1.00E-172	378	401	94 +	608	1008	139900	140298
UN00946	#	#	#	#	#	#	#	#	#	#	#
UN00947	Rsa1.0.00136.1	959	122464	0	347	353	98 -	385	737	112510	112862
UN00948	Rsa1.0.01803.1	801	173846	8.00E-91	182	185	98 +	116	300	136431	136613
UN00949	Rsa1.0.00038.1	775	314568	1.00E-144	259	259	100 +	49	307	166217	166475
UN00950	Rsa1.0.08124.1	1017	7869	0	723	729	99 -	142	870	5	733
UN00951	Rsa1.0.00008.1	874	358124	1.00E-130	239	240	99 -	7	246	200510	200749
UN00952	Rsa1.0.00632.1	603	183777	1.00E-141	285	293	97 -	309	601	149149	149438
UN00953	Rsa1.0.00467.1	1143	156542	0	1086	1135	95 -	3	1137	118192	119311
UN00954	Rsa1.0.00105.1	1189	134138	0	568	624	91 -	279	879	1925	2540
UN00955	Rsa1.0.00119.1	888	467509	1.00E-121	277	293	94 +	592	882	332175	332467
UN00956	Rsa1.0.01696.1	749	301850	1.00E-77	154	156	98 -	359	514	299403	299558
UN00957	Rsa1.0.01329.1	862	47982	0	857	862	99 +	2	862	6363	7222
UN00958	Rsa1.0.25074.1	943	952	1.00E-163	297	299	99 -	645	943	654	952
UN00959	Rsa1.0.00253.1	851	231292	0	668	716	93 -	120	823	79564	80274
UN00960	Rsa1.0.00304.1	948	97429	0	542	565	95 +	398	946	57550	58113
UN00961	Rsa1.0.03323.1	523	23751	2.00E-75	159	164	96 -	230	393	15045	15208
UN00962	Rsa1.0.00117.1	850	213118	0	835	846	98 -	5	850	128766	129611
UN00963	Rsa1.0.01179.1	131	51549	2.00E-16	80	92	86 +	1	92	42489	42580
UN00964	Rsa1.0.06333.1	902	11217	1.00E-139	255	256	99 +	520	775	224	479
UN00965	Rsa1.0.00073.1	1480	240924	0	736	748	98 -	1	743	109830	110575
UN00966	Rsa1.0.00365.1	1222	90902	1.00E-129	247	251	98 -	971	1221	41879	42129
UN00967	Rsa1.0.01862.1	671	38030	1.00E-125	227	227	100 -	1	227	14590	14816
UN00968	Rsa1.0.01060.1	1285	55368	1.00E-162	319	326	97 -	957	1281	20960	21284
UN00969	Rsa1.0.01411.1	964	46326	1.00E-164	326	337	96 +	626	962	7472	7808
UN00970	Rsa1.0.02252.1	921	33375	0	378	383	98 +	368	750	31510	31892
UN00971	Rsa1.0.00089.1	137	406142	4.00E-42	123	135	91 -	3	137	163364	163498
UN00972	Rsa1.0.01997.1	892	158416	5.00E-89	167	167	100 -	1	167	16696	16862
UN00973	Rsa1.0.00744.1	827	66084	1.00E-102	211	218	96 +	601	818	58901	59118

UN00974	Rsa1.0.00129.1	1023	126831	0	416	441	94 +	1	439	113601	114039
UN00975	Rsa1.0.01000.1	880	57140	1.00E-104	268	289	92 +	3	290	16819	17100
UN00976	Rsa1.0.00307.1	1006	199003	0	762	825	92 +	8	832	155929	156753
UN00977	Rsa1.0.41025.1	1303	547	0	402	402	100 -	17	418	146	547
UN00978	Rsa1.0.00350.1	906	92346	6.00E-89	251	276	90 -	5	278	10176	10447
UN00979	Rsa1.0.03354.1	1067	23491	0	852	869	98 -	1	869	17878	18737
UN00980	Rsa1.0.09141.1	1687	6612	0	498	498	100 +	73	570	974	1471
UN00981	Rsa1.0.54193.1	1349	421	0	420	421	99 -	797	1217	1	421
UN00982	Rsa1.0.00131.1	686	432233	1.00E-149	268	268	100 +	419	686	395234	395501
UN00983	Rsa1.0.00900.1	719	60367	1.00E-144	301	312	96 +	7	318	25861	26170
UN00984	Rsa1.0.00327.1	922	94892	0	526	528	99 +	290	817	70549	71076
UN00985	Rsa1.0.03962.1	1152	19860	0	566	598	94 +	1	584	14046	14639
UN00986	Rsa1.0.02496.1	786	30814	0	427	443	96 +	347	786	28985	29425
UN00987	Rsa1.0.07000.1	903	10049	6.00E-92	220	232	94 -	3	232	8619	8844
UN00988	Rsa1.0.00179.1	1197	393324	5.00E-90	214	229	93 -	1	229	218140	218368
UN00989	Rsa1.0.05618.1	461	13165	3.00E-98	254	274	92 +	7	278	6819	7091
UN00990	Rsa1.0.02859.1	1104	162118	0	377	380	99 -	1	380	144252	144631
UN00991	Rsa1.0.00006.1	949	396176	0	474	518	91 +	7	508	368527	369036
UN00992	Rsa1.0.04450.1	824	17297	1.00E-166	348	364	95 -	462	824	12622	12985
UN00993	Rsa1.0.01091.1	865	54383	0	506	516	98 +	286	801	8775	9290
UN00994	Rsa1.0.02990.1	1046	26180	1.00E-141	266	269	98 +	1	269	18344	18610
UN00995	Rsa1.0.01014.1	751	56762	7.00E-82	218	240	90 +	1	238	39994	40217
UN00996	Rsa1.0.02438.1	1187	31392	1.00E-118	222	224	99 +	644	867	5578	5801
UN00997	Rsa1.0.00079.1	1554	606987	0	509	518	98 +	1034	1548	190876	191388
UN00998	Rsa1.0.00322.1	1460	212233	1.00E-122	229	231	99 -	1	231	73895	74125
UN00999	Rsa1.0.00160.1	751	346678	1.00E-117	251	263	95 -	452	714	32107	32369
UN01000	Rsa1.0.13949.1	748	4028	1.00E-169	347	361	96 -	387	746	1108	1468
UN01001	Rsa1.0.00089.1	1147	406142	0	424	434	97 +	1	431	390229	390659
UN01002	Rsa1.0.01779.1	871	39448	0	422	430	98 -	1	430	25472	25897
UN01003	Rsa1.0.01392.1	1569	46665	0	1301	1309	99 -	2	1310	24719	26026
UN01004	Rsa1.0.05359.1	1385	14054	1.00E-176	329	333	98 +	1	333	10246	10577
UN01005	Rsa1.0.04819.1	738	140505	0	703	749	93 +	1	738	10808	11547
UN01006	Rsa1.0.00387.1	1154	495407	1.00E-136	309	327	94 -	827	1152	384412	384737
UN01007	Rsa1.0.02575.1	841	29944	0	499	503	99 -	2	504	3747	4249
UN01008	Rsa1.0.01545.1	432	43599	2.00E-77	187	199	93 +	1	198	25184	25382
UN01009	Rsa1.0.02274.1	845	33109	1.00E-174	338	345	97 -	3	345	22370	22714
UN01010	Rsa1.0.16067.1	1002	2300	0	383	393	97 -	611	998	311	703
UN01011	Rsa1.0.01489.1	1489	44764	0	433	434	99 -	1	433	1590	2023
UN01012	Rsa1.0.00332.1	903	94575	0	492	504	97 -	335	838	54514	55017

UN01013	Rsa1.0.05581.1	935	13272	0	652	659	98 -	1	659	5335	5990
UN01014	Rsa1.0.00375.1	200	90207	8.00E-63	180	198	90 -	3	200	2417	2613
UN01015	Rsa1.0.00092.1	680	659932	0	420	444	94 +	16	457	242851	243294
UN01016	Rsa1.0.09594.1	681	6263	1.00E-115	230	235	97 +	447	681	872	1105
UN01017	Rsa1.0.01190.1	1264	194501	0	733	770	95 +	7	757	44595	45363
UN01018	Rsa1.0.01071.1	984	166914	0	364	367	99 +	617	983	27109	27475
UN01019	Rsa1.0.00925.1	675	59481	0	638	674	94 -	1	669	21081	21749
UN01020	Rsa1.0.01308.1	778	48596	0	385	387	99 -	389	775	21408	21794
UN01021	Rsa1.0.00332.1	1080	94575	0	379	381	99 -	1	381	73577	73957
UN01022	Rsa1.0.00016.1	945	831256	2.00E-67	195	211	92 +	25	234	265984	266181
UN01023	Rsa1.0.05025.1	657	15097	0	651	654	99 +	1	654	13034	13687
UN01024	Rsa1.0.03867.1	461	20369	0	435	457	95 -	1	457	15318	15773
UN01025	Rsa1.0.00047.1	1222	168582	0	460	494	93 -	2	493	67922	68415
UN01026	Rsa1.0.01803.1	834	173846	1.00E-136	270	278	97 -	113	390	34629	34906
UN01027	Rsa1.0.03904.1	898	20162	0	498	503	99 +	396	898	4565	5067
UN01028	Rsa1.0.00202.1	778	185895	0	568	587	96 +	191	775	136773	137356
UN01029	Rsa1.0.00045.1	1331	328694	0	1323	1330	99 +	3	1330	35877	37206
UN01030	Rsa1.0.00338.1	902	94109	0	852	884	96 +	3	885	89856	90736
UN01031	Rsa1.0.00200.1	894	162016	1.00E-132	267	275	97 +	4	278	148988	149260
UN01032	Rsa1.0.01478.1	760	44991	3.00E-65	127	127	100 -	221	347	15709	15835
UN01033	Rsa1.0.00579.1	702	148308	0	410	423	96 +	1	415	63787	64208
UN01034	Rsa1.0.00290.1	788	225096	1.00E-158	301	307	98 -	482	788	3869	4175
UN01035	Rsa1.0.21578.1	1399	1190	1.00E-166	302	304	99 +	1	304	526	829
UN01036	Rsa1.0.05431.1	597	13780	1.00E-147	286	293	97 +	4	296	8196	8488
UN01037	Rsa1.0.02018.1	729	35994	0	711	730	97 -	4	729	30090	30817
UN01038	Rsa1.0.02275.1	1015	33107	0	496	502	98 -	2	500	30103	30604
UN01039	Rsa1.0.02144.1	1246	34630	0	376	383	98 +	862	1244	23103	23484
UN01040	Rsa1.0.01803.1	560	173846	0	354	360	98 -	31	390	37469	37825
UN01041	Rsa1.0.02183.1	773	34170	0	389	392	99 +	381	771	13946	14337
UN01042	Rsa1.0.00263.1	1250	224968	0	490	506	96 +	5	510	186882	187381
UN01043	Rsa1.0.00296.1	753	97854	1.00E-118	237	244	97 -	1	244	53004	53247
UN01044	Rsa1.0.03834.1	1407	20572	0	1385	1409	98 -	1	1407	18529	19937
UN01045	Rsa1.0.02955.1	454	26484	2.00E-77	159	163	97 -	237	399	13393	13555
UN01046	Rsa1.0.01763.1	774	39659	8.00E-57	223	257	86 -	298	548	37646	37901
UN01047	Rsa1.0.02412.1	923	31643	0	741	760	97 -	4	759	6107	6862
UN01048	Rsa1.0.01286.1	584	49209	0	516	534	96 +	1	533	3993	4521
UN01049	Rsa1.0.00602.1	1263	73302	0	630	648	97 -	1	647	29630	30276
UN01050	Rsa1.0.02209.1	1066	33873	1.00E-169	337	347	97 +	1	344	26612	26957
UN01051	Rsa1.0.02803.1	840	27715	1.00E-162	299	302	99 -	180	481	3172	3473

UN01052	Rsa1.0_04762.1	1454	16101	0	934	939	99 +	510	1448	4259	5197
UN01053	Rsa1.0_05160.1	1400	14637	0	594	600	99 +	613	1212	13452	14051
UN01054	Rsa1.0_01536.1	872	43747	0	857	873	98 +	1	870	18854	19724
UN01055	Rsa1.0_17015.1	1148	1953	1.00E-130	237	237	100 +	912	1148	874	1110
UN01056	Rsa1.0_03735.1	681	21087	0	549	566	96 -	1	561	5153	5715
UN01057	Rsa1.0_00035.1	795	176449	0	510	513	99 +	1	513	41112	41624
UN01058	Rsa1.0_00288.1	954	98659	0	384	398	96 +	155	551	82911	83305
UN01059	Rsa1.0_00131.1	1366	432233	1.00E-118	325	351	92 -	20	359	412408	412754
UN01060	Rsa1.0_00167.1	628	116000	1.00E-116	246	257	95 -	1	257	14352	14608
UN01061	Rsa1.0_02928.1	788	26680	0	386	400	96 +	387	783	20709	21108
UN01062	Rsa1.0_02780.1	1140	27965	0	588	589	99 -	552	1140	24650	25238
UN01063	Rsa1.0_02564.1	1378	30047	0	508	513	99 -	538	1048	5427	5939
UN01064	Rsa1.0_00152.1	1369	257730	0	646	663	97 -	4	665	230931	231593
UN01065	Rsa1.0_00312.1	1606	96765	1.00E-131	241	242	99 -	1365	1606	77943	78184
UN01066	Rsa1.0_02496.1	710	30814	1.00E-151	308	318	96 -	392	708	14669	14984
UN01067	Rsa1.0_00248.1	1100	163568	2.00E-89	197	207	95 +	90	290	52500	52706
UN01068	Rsa1.0_02553.1	633	30190	1.00E-118	235	240	97 +	395	633	18667	18906
UN01069	Rsa1.0_04385.1	694	17627	1.00E-135	245	245	100 -	450	694	16884	17128
UN01070	Rsa1.0_04955.1	771	15337	0	614	646	95 +	125	767	8724	9366
UN01071	Rsa1.0_00577.1	1337	174827	1.00E-164	320	330	96 +	1015	1336	118729	119058
UN01072	Rsa1.0_02114.1	909	34873	1.00E-113	211	212	99 +	207	418	664	875
UN01073	Rsa1.0_00548.1	1483	76518	0	809	841	96 -	645	1478	63650	64478
UN01074	Rsa1.0_00402.1	1360	385315	0	628	661	95 +	3	643	119044	119698
UN01075	Rsa1.0_00098.1	1033	349239	0	446	447	99 +	3	449	292716	293162
UN01076	Rsa1.0_01168.1	930	153765	1.00E-168	392	423	92 +	63	479	38497	38919
UN01077	Rsa1.0_00115.1	777	131321	0	592	610	97 +	169	777	34041	34648
UN01078	Rsa1.0_00385.1	912	89160	0	368	372	98 +	541	912	9411	9779
UN01079	Rsa1.0_02811.1	1293	27669	0	478	482	99 -	812	1293	7890	8371
UN01080	Rsa1.0_02976.1	589	26315	1.00E-178	341	349	97 -	240	588	15693	16041
UN01081	Rsa1.0_03385.1	769	23280	1.00E-167	305	306	99 +	465	769	13870	14175
UN01082	Rsa1.0_04250.1	1193	18264	0	827	828	99 +	1	828	13122	13949
UN01083	Rsa1.0_01168.1	1525	153765	0	849	902	94 +	45	934	38497	39389
UN01084	Rsa1.0_02677.1	1470	167801	1.00E-66	159	169	94 -	1302	1470	11977	12139
UN01085	Rsa1.0_12087.1	882	5317	0	858	887	96 -	3	882	4202	5088
UN01086	Rsa1.0_00108.1	1380	478491	1.00E-109	224	230	97 +	1147	1375	420682	420911
UN01087	Rsa1.0_00008.1	812	358124	0	618	639	96 -	177	812	50867	51499
UN01088	Rsa1.0_00272.1	572	447836	1.00E-152	284	288	98 +	285	572	83843	84130
UN01089	Rsa1.0_06073.1	772	11807	0	385	386	99 +	279	664	3893	4278
UN01090	Rsa1.0_01732.1	1346	40194	0	1215	1279	94 -	80	1344	24250	25521

UN01091	Rsa1.0_00048.1	1136	167185	0	1125	1136	99 +	5	1136	125219	126354
UN01092	Rsa1.0_07134.1	1328	9854	7.00E-77	153	155	98 -	673	827	7276	7430
UN01093	Rsa1.0_05467.1	725	13649	3.00E-84	174	179	97 -	544	722	9353	9531
UN01094	Rsa1.0_00223.1	746	106231	1.00E-145	267	269	99 -	303	571	79400	79668
UN01095	Rsa1.0_00420.1	1222	86496	2.33E-156	296	306	96 +	919	1222	11931	12236
UN01096	Rsa1.0_00483.1	1061	81102	0	504	523	96 -	539	1059	27457	27970
UN01097	Rsa1.0_02053.1	507	35554	0	376	382	98 +	127	507	32532	32910
UN01098	Rsa1.0_00307.1	1156	199003	1.00E-124	265	277	95 -	24	300	184304	184577
UN01099	Rsa1.0_00016.1	1257	831256	1.00E-142	284	294	96 -	964	1257	522418	522704
UN01100	Rsa1.0_00191.1	872	316976	1.00E-156	279	279	100 +	333	611	145775	146053
UN01101	Rsa1.0_03257.1	1268	24305	0	388	393	98 -	3	395	15536	15928
UN01102	Rsa1.0_01933.1	817	37172	1.00E-132	274	282	97 +	207	488	11409	11685
UN01103	Rsa1.0_00017.1	863	752458	1.00E-61	220	246	89 +	622	863	462733	462968
UN01104	Rsa1.0_00104.1	1133	368722	5.00E-93	183	186	98 -	3	188	336882	337067
UN01105	Rsa1.0_01960.1	648	36766	1.00E-103	214	222	96 +	128	349	8003	8224
UN01106	Rsa1.0_00697.1	1104	67913	1.00E-135	248	249	99 +	488	736	57657	57905
UN01107	Rsa1.0_00098.1	959	349239	0	365	373	97 -	17	384	269214	269585
UN01108	Rsa1.0_02045.1	964	35650	0	922	961	95 -	2	962	15172	16104
UN01109	Rsa1.0_00944.1	870	58733	0	503	512	98 -	1	512	12555	13066
UN01110	Rsa1.0_02939.1	1114	26595	1.00E-164	372	397	93 -	693	1083	20157	20553
UN01111	Rsa1.0_00614.1	659	72276	1.00E-131	280	293	95 -	3	295	44076	44366
UN01112	Rsa1.0_00323.1	1035	159650	0	1030	1035	99 -	3	1035	53000	54034
UN01113	Rsa1.0_00658.1	881	69740	1.00E-123	224	224	100 -	188	411	18542	18765
UN01114	Rsa1.0_00293.1	1395	339294	0	749	761	98 -	635	1395	318346	319106
UN01115	Rsa1.0_00501.1	804	79545	0	548	602	91 -	219	800	41893	42484
UN01116	Rsa1.0_01537.1	860	187285	0	464	470	98 +	1	469	14844	15313
UN01117	Rsa1.0_00069.1	1219	403561	1.00E-102	219	229	95 +	515	743	224222	224450
UN01118	Rsa1.0_02711.1	768	28475	1.00E-129	290	303	95 +	462	761	24537	24838
UN01119	Rsa1.0_00226.1	609	105884	1.00E-165	310	315	98 -	2	316	22862	23176
UN01120	Rsa1.0_02606.1	1074	29635	1.00E-115	217	219	99 -	142	360	19085	19303
UN01121	Rsa1.0_00185.1	1298	248445	0	724	771	93 -	48	812	241787	242545
UN01122	Rsa1.0_03811.1	1622	20721	1.00E-157	284	285	99 +	1338	1622	19707	19991
UN01123	Rsa1.0_00914.1	1379	59880	1.00E-152	305	313	97 +	1067	1379	41830	42140
UN01124	Rsa1.0_00566.1	772	75325	0	363	365	99 -	409	772	24496	24860
UN01125	Rsa1.0_03900.1	800	133221	0	762	784	97 -	1	777	12231	13006
UN01126	Rsa1.0_04168.1	1746	18712	0	853	857	99 +	890	1746	13950	14806
UN01127	Rsa1.0_00658.1	827	69740	1.00E-165	309	313	98 -	515	827	15719	16029
UN01128	Rsa1.0_04823.1	689	15840	9.00E-75	152	155	98 +	197	351	13954	14108
UN01129	Rsa1.0_00049.1	1395	167018	1.00E-134	322	350	92 +	1	347	131911	132243

UN01130	Rsa1.0.05978.1	1182	12053	1.00E-139	297	309	96 -	872	1175	1955	2262
UN01131	Rsa1.0.00342.1	819	93695	1.00E-130	236	236	100 -	184	419	32256	32491
UN01132	Rsa1.0.00108.1	1183	478491	0	382	400	95 +	582	981	283803	284202
UN01133	Rsa1.0.00092.1	484	659932	1.00E-126	286	304	94 -	163	466	190047	190338
UN01134	Rsa1.0.01654.1	880	41532	0	845	898	94 -	1	880	20338	21226
UN01135	Rsa1.0.10332.1	876	5886	1.00E-43	97	99	97 -	623	721	1004	1102
UN01136	Rsa1.0.01393.1	944	46661	0	561	588	95 -	369	944	25512	26099
UN01137	Rsa1.0.02630.1	605	29349	0	428	448	95 +	155	602	28217	28664
UN01138	Rsa1.0.00571.1	917	329018	0	910	915	99 -	3	917	173859	174771
UN01139	Rsa1.0.61778.1	1083	371	3.00E-88	173	174	99 -	852	1024	130	303
UN01140	Rsa1.0.45370.1	745	497	1.00E-109	234	243	96 -	101	339	251	493
UN01141	Rsa1.0.03450.1	922	22835	0	396	398	99 -	9	406	6175	6572
UN01142	Rsa1.0.12096.1	701	5315	0	371	382	97 +	318	699	456	837
UN01143	Rsa1.0.00705.1	943	67505	1.00E-175	393	415	94 +	530	943	30393	30799
UN01144	Rsa1.0.03728.1	1443	21147	0	438	467	93 -	980	1443	631	1092
UN01145	Rsa1.0.01076.1	841	54835	0	836	839	99 -	3	841	19165	20003
UN01146	Rsa1.0.07330.1	1035	9548	0	653	656	99 -	160	815	1	656
UN01147	Rsa1.0.00471.1	1345	81897	0	713	735	97 -	609	1343	36591	37325
UN01148	Rsa1.0.00055.1	1173	520193	1.00E-174	354	366	96 +	809	1173	106239	106603
UN01149	Rsa1.0.13970.1	772	3973	1.00E-164	393	422	93 +	145	559	3553	3969
UN01150	Rsa1.0.00171.1	603	115622	1.00E-155	287	290	98 +	2	291	58910	59199
UN01151	Rsa1.0.00381.1	473	89718	0	463	474	97 +	1	472	79917	80390
UN01152	Rsa1.0.00241.1	1097	104000	0	588	593	99 +	506	1097	88938	89530
UN01153	Rsa1.0.00134.1	1003	390219	1.00E-177	439	480	91 -	524	1000	45226	45694
UN01154	Rsa1.0.01785.1	2011	39368	0	748	759	98 +	3	758	19322	20080
UN01155	Rsa1.0.00006.1	882	396176	1.00E-145	267	269	99 +	270	538	222130	222398
UN01156	Rsa1.0.00009.1	854	232558	1.00E-71	165	175	94 +	670	844	231969	232135
UN01157	Rsa1.0.03319.1	722	23767	0	514	526	97 -	2	527	1513	2037
UN01158	Rsa1.0.01340.1	1093	47805	0	560	560	100 +	534	1093	32618	33177
UN01159	Rsa1.0.00145.1	1151	261008	0	431	445	96 -	637	1081	27389	27833
UN01160	Rsa1.0.00299.1	938	97770	1.00E-117	259	273	94 +	142	414	26265	26534
UN01161	Rsa1.0.00197.1	1349	109714	0	433	437	99 -	914	1349	99274	99709
UN01162	Rsa1.0.05090.1	1372	14879	0	808	851	94 +	215	1065	2190	3027
UN01163	Rsa1.0.01424.1	472	46139	1.00E-115	271	291	93 +	25	315	42149	42439
UN01164	Rsa1.0.02545.1	1307	30286	0	464	479	96 -	828	1303	13644	14116
UN01165	Rsa1.0.03935.1	1356	19983	1.00E-135	291	303	96 -	1055	1355	7778	8078
UN01166	Rsa1.0.00086.1	897	439854	0	557	562	99 +	178	739	282513	283074
UN01167	Rsa1.0.00473.1	778	212204	1.00E-167	346	361	95 +	7	365	6968	7328
UN01168	Rsa1.0.00092.1	1367	659932	0	751	754	99 +	306	1059	198767	199520

UN01169	Rsa1.0.02872.1	817	27080	1.00E-137	290	300	96 -	520	817	9175	9469
UN01170	Rsa1.0.03100.1	1003	25411	0	423	428	98 +	577	1003	1871	2297
UN01171	Rsa1.0.00409.1	735	146788	0	582	632	92 +	118	735	80588	81199
UN01172	Rsa1.0.26747.1	1287	879	0	447	449	99 -	2	449	1	449
UN01173	Rsa1.0.00991.1	1376	143101	0	682	702	97 +	678	1376	137872	138569
UN01174	Rsa1.0.00001.1	1099	363028	0	1022	1022	100 -	7	1028	77607	78628
UN01175	Rsa1.0.01348.1	1102	47569	0	610	687	88 -	419	1098	45195	45867
UN01176	Rsa1.0.01631.1	575	41882	0	567	570	99 +	6	575	11514	12081
UN01177	Rsa1.0.02688.1	273	28644	7.00E-64	133	136	97 -	3	138	13636	13771
UN01178	Rsa1.0.00964.1	613	316648	0	597	613	97 -	1	613	277546	278158
UN01179	Rsa1.0.01592.1	780	42685	1.00E-165	313	318	98 +	138	453	25582	25899
UN01180	Rsa1.0.01156.1	1422	52147	0	376	376	100 +	1047	1422	32397	32772
UN01181	Rsa1.0.00686.1	615	68511	0	611	614	99 -	4	615	52392	53004
UN01182	Rsa1.0.04065.1	1206	19275	1.00E-137	281	292	96 +	146	437	745	1036
UN01183	Rsa1.0.00017.1	1162	752458	1.00E-123	257	265	96 +	902	1162	450189	450450
UN01184	Rsa1.0.00213.1	1235	108167	0	431	450	95 -	784	1225	36364	36811
UN01185	Rsa1.0.06450.1	930	10998	1.00E-173	314	316	99 -	261	576	5882	6197
UN01186	Rsa1.0.03209.1	1326	24592	0	1182	1226	96 -	118	1326	21123	22348
UN01187	Rsa1.0.00006.1	787	396176	1.00E-140	256	257	99 -	326	582	107662	107918
UN01188	Rsa1.0.00453.1	777	83031	2.00E-94	194	200	97 +	246	445	72257	72456
UN01189	Rsa1.0.04646.1	1337	16541	0	421	423	99 +	506	928	929	1351
UN01190	Rsa1.0.13353.1	720	4894	3.00E-99	208	216	96 +	117	332	561	776
UN01191	Rsa1.0.03544.1	1413	22182	0	592	606	97 -	199	803	3965	4567
UN01192	Rsa1.0.04004.1	1273	19594	0	494	495	99 -	29	523	4915	5409
UN01193	Rsa1.0.00003.1	766	340054	0	399	416	95 +	6	421	163906	164311
UN01194	Rsa1.0.01966.1	1305	36681	1.00E-164	324	333	97 -	979	1305	33698	34029
UN01195	Rsa1.0.02671.1	813	28887	0	424	427	99 +	226	652	7972	8398
UN01196	Rsa1.0.01387.1	864	46745	4.00E-68	144	148	97 -	614	761	31423	31570
UN01197	Rsa1.0.03350.1	1444	23522	0	358	367	97 -	1028	1394	19941	20307
UN01198	Rsa1.0.02053.1	773	35554	0	381	395	96 +	6	396	31827	32221
UN01199	Rsa1.0.01313.1	1005	48387	0	384	386	99 -	621	1005	1418	1803
UN01200	Rsa1.0.14712.1	879	3134	1.00E-138	341	367	92 -	516	877	1514	1869
UN01201	Rsa1.0.00837.1	811	62568	0	402	423	95 -	396	811	57200	57622
UN01202	Rsa1.0.01552.1	476	43396	0	369	371	99 +	106	476	24239	24607
UN01203	Rsa1.0.03390.1	1044	23270	0	433	438	98 -	163	600	17528	17965
UN01204	Rsa1.0.04193.1	667	18571	1.00E-167	342	354	96 -	316	667	9142	9495
UN01205	Rsa1.0.00001.1	1223	363028	0	538	601	89 -	3	596	266567	267140
UN01206	Rsa1.0.01539.1	495	43698	0	488	495	98 -	3	495	29264	29758
UN01207	Rsa1.0.03336.1	1212	23648	0	1134	1165	97 -	48	1212	13919	15064

UN01208	Rsa1.0.08437.1	798	7357	0	749	770	97 -	3	771	2852	3618
UN01209	Rsa1.0.00851.1	805	62181	0	789	812	97 -	2	805	20274	21085
UN01210	Rsa1.0.00127.1	475	127446	1.00E-148	290	297	97 +	179	475	35697	35992
UN01211	Rsa1.0.04402.1	973	17511	1.00E-160	322	333	96 +	1	333	14790	15119
UN01212	Rsa1.0.01443.1	1132	45705	2.00E-30	160	188	85 +	912	1098	34823	35008
UN01213	Rsa1.0.00134.1	1345	390219	0	346	348	99 -	998	1345	230194	230541
UN01214	Rsa1.0.00213.1	1009	108167	1.00E-144	274	279	98 +	244	522	44341	44619
UN01215	Rsa1.0.03156.1	933	24956	0	358	364	98 -	570	932	3524	3887
UN01216	Rsa1.0.00392.1	1244	88523	0	552	564	97 -	678	1239	6450	7011
UN01217	Rsa1.0.00351.1	1012	413096	0	790	814	97 +	158	971	124165	124977
UN01218	Rsa1.0.04118.1	1375	18968	0	348	348	100 -	61	408	4094	4441
UN01219	Rsa1.0.14327.1	626	3518	0	400	415	96 +	212	626	233	641
UN01220	Rsa1.0.05321.1	1958	14154	0	343	349	98 +	1244	1592	6131	6479
UN01221	Rsa1.0.00453.1	588	83031	1.00E-160	299	302	99 +	287	588	1355	1655
UN01222	Rsa1.0.05019.1	1575	15114	1.00E-161	294	296	99 -	3	298	14348	14643
UN01223	Rsa1.0.00485.1	1094	80937	0	845	877	96 -	52	925	71868	72738
UN01224	Rsa1.0.01340.1	1286	47805	0	409	416	98 -	871	1286	24298	24712
UN01225	Rsa1.0.00381.1	741	89718	0	351	351	100 -	3	353	75167	75517
UN01226	Rsa1.0.01848.1	1244	38312	0	600	602	99 +	255	856	25724	26325
UN01227	Rsa1.0.01760.1	857	39730	1.00E-118	370	416	88 +	3	402	11016	11423
UN01228	Rsa1.0.00222.1	1330	172263	3.00E-85	167	169	98 -	608	776	58615	58783
UN01229	Rsa1.0.00075.1	614	146680	1.00E-139	326	346	94 -	268	612	82352	82688
UN01230	Rsa1.0.02841.1	1270	27383	1.00E-119	227	230	98 +	1041	1270	8321	8550
UN01231	Rsa1.0.02377.1	635	31994	0	594	632	93 -	13	633	19526	20157
UN01232	Rsa1.0.08285.1	766	7606	0	726	786	92 -	3	759	2983	3764
UN01233	Rsa1.0.00788.1	858	64237	1.00E-130	248	251	98 +	3	253	32049	32297
UN01234	Rsa1.0.00383.1	1020	398431	0	379	380	99 +	1	380	25098	25477
UN01235	Rsa1.0.01719.1	886	40388	8.00E-85	182	187	97 -	698	883	27280	27464
UN01236	Rsa1.0.00111.1	716	390088	0	472	480	98 -	237	716	200994	201473
UN01237	Rsa1.0.02128.1	1399	34758	1.00E-151	328	345	95 -	6	345	16324	16668
UN01238	Rsa1.0.00067.1	1218	415055	0	695	715	97 -	437	1151	38371	39085
UN01239	Rsa1.0.05162.1	1158	14631	0	474	525	90 -	480	984	5857	6369
UN01240	Rsa1.0.07471.1	1311	9307	0	711	744	95 -	125	867	2	745
UN01241	Rsa1.0.08622.1	863	7122	1.00E-132	239	239	100 +	3	241	3836	4074
UN01242	Rsa1.0.00016.1	1195	831256	0	457	477	95 -	349	822	253037	253513
UN01243	Rsa1.0.03303.1	1102	23890	0	628	628	100 -	475	1102	9623	10250
UN01244	Rsa1.0.00104.1	1278	368722	1.00E-161	322	331	97 +	940	1270	205076	205402
UN01245	Rsa1.0.02191.1	929	34078	0	493	494	99 -	3	496	23661	24154
UN01246	Rsa1.0.00041.1	1243	186197	0	449	452	99 -	793	1243	56655	57106

UN01247	Rsa1.0.06803.1	1169	10330	3.00E-85	170	173	98 -	537	709	7999	8171
UN01248	Rsa1.0.01504.1	1938	189978	0	712	749	95 -	282	1011	25772	26517
UN01249	Rsa1.0.00426.1	1329	85668	0	593	626	94 -	3	615	73386	74001
UN01250	Rsa1.0.01540.1	825	151890	1.00E-176	322	325	99 +	198	522	149398	149722
UN01251	Rsa1.0.09692.1	577	6209	0	430	440	97 +	3	440	689	1128
UN01252	Rsa1.0.16459.1	758	2148	0	460	469	98 +	292	758	1564	2032
UN01253	Rsa1.0.02637.1	761	29244	0	462	477	96 -	1	477	24077	24553
UN01254	Rsa1.0.00144.1	851	120708	0	804	830	96 -	5	831	63828	64653
UN01255	Rsa1.0.00769.1	763	64911	1.00E-141	261	263	99 -	327	589	21293	21555
UN01256	Rsa1.0.13641.1	931	4588	0	878	897	97 -	1	896	2306	3202
UN01257	Rsa1.0.00079.1	1181	606987	1.00E-173	309	309	100 -	871	1179	551378	551686
UN01258	Rsa1.0.02212.1	1088	33840	0	1041	1084	96 -	2	1084	25081	26159
UN01259	Rsa1.0.00251.1	816	303968	1.00E-144	263	264	99 +	1	264	111514	111777
UN01260	Rsa1.0.00353.1	928	92242	0	511	512	99 -	1	512	83624	84135
UN01261	Rsa1.0.02097.1	1078	35036	1.00E-150	277	278	99 +	802	1078	10310	10587
UN01262	Rsa1.0.00045.1	617	328694	1.00E-132	293	311	94 -	172	482	131911	132215
UN01263	Rsa1.0.00004.1	1081	253996	0	656	687	95 -	392	1075	69089	69773
UN01264	Rsa1.0.01104.1	1319	285480	0	511	542	94 +	776	1316	274158	274692
UN01265	Rsa1.0.00026.1	1418	327835	0	821	833	98 -	588	1418	100567	101399
UN01266	Rsa1.0.00761.1	856	65133	1.00E-128	313	335	93 -	1	325	62157	62485
UN01267	Rsa1.0.00571.1	585	329018	1.00E-143	274	277	98 -	114	389	35755	36030
UN01268	Rsa1.0.00621.1	1589	71840	1.00E-148	273	275	99 -	294	568	50769	51043
UN01269	Rsa1.0.00741.1	718	66117	0	698	729	95 -	3	718	33724	34452
UN01270	Rsa1.0.00159.1	909	431686	0	901	902	99 -	3	904	244943	245843
UN01271	Rsa1.0.02939.1	813	26595	0	555	608	91 +	25	623	19909	20492
UN01272	Rsa1.0.00454.1	783	216970	0	729	766	95 +	3	761	187143	187900
UN01273	Rsa1.0.02820.1	603	27629	0	598	602	99 +	2	603	22422	23023
UN01274	Rsa1.0.00977.1	806	198001	0	768	782	98 -	3	776	189713	190494
UN01275	Rsa1.0.00017.1	724	752458	0	455	458	99 +	1	458	409133	409589
UN01276	Rsa1.0.00686.1	404	68511	2.00E-99	187	188	99 +	157	344	61089	61276
UN01277	Rsa1.0.03925.1	728	20025	1.00E-135	324	344	94 -	2	338	3816	4155
UN01278	Rsa1.0.05473.1	942	13628	0	660	704	93 -	9	700	11376	12077
UN01279	Rsa1.0.00913.1	815	59914	1.00E-123	280	300	93 -	1	291	32123	32422
UN01280	Rsa1.0.03253.1	858	24321	0	744	804	92 +	88	858	13179	13977
UN01281	Rsa1.0.00343.1	683	93570	0	449	482	93 -	1	472	2493	2967
UN01282	Rsa1.0.01992.1	783	36424	0	750	781	96 +	4	782	5477	6257
UN01283	Rsa1.0.02780.1	977	27965	0	458	474	96 +	1	469	8341	8809
UN01284	Rsa1.0.03356.1	1839	23487	0	706	742	95 -	434	1166	6339	7080
UN01285	Rsa1.0.01071.1	714	166914	0	433	433	100 -	7	439	24488	24920

UN01286	Rsa1.0.03058.1	833	25715	0	728	746	97 +	88	831	4691	5436
UN01287	Rsa1.0.00711.1	776	67223	0	434	434	100 +	2	435	23860	24293
UN01288	Rsa1.0.01491.1	568	44718	0	563	566	99 -	3	568	33365	33930
UN01289	Rsa1.0.00772.1	767	64856	5.00E-64	163	175	93 -	55	229	7619	7790
UN01290	Rsa1.0.03294.1	757	23971	0	473	497	95 -	148	635	17160	17653
UN01291	Rsa1.0.00269.1	816	341668	0	449	455	98 -	312	764	291208	291662
UN01292	Rsa1.0.01701.1	1079	162121	1.00E-173	312	313	99 +	1	313	20618	20930
UN01293	Rsa1.0.02684.1	740	28676	0	448	453	98 -	1	453	27458	27909
UN01294	Rsa1.0.07290.1	921	9608	0	425	435	97 +	4	438	2139	2570
UN01295	Rsa1.0.07534.1	585	9184	1.00E-177	349	358	97 -	222	578	7359	7714
UN01296	Rsa1.0.04380.1	1025	17644	8.00E-76	226	253	89 +	568	820	9371	9623
UN01297	Rsa1.0.02299.1	611	32857	0	423	430	98 -	183	611	13717	14146
UN01298	Rsa1.0.01519.1	1419	44144	0	815	850	95 +	571	1419	37306	38141
UN01299	Rsa1.0.00193.1	1257	194198	0	493	505	97 +	11	515	2816	3320
UN01300	Rsa1.0.09702.1	1031	6201	0	703	746	94 -	299	1031	830	1573
UN01301	Rsa1.0.02550.1	1527	291051	0	1340	1377	97 -	3	1370	2209	3585
UN01302	Rsa1.0.32375.1	770	703	1.00E-143	264	265	99 -	8	271	7	271
UN01303	Rsa1.0.00686.1	896	68511	0	356	357	99 +	1	356	53125	53481
UN01304	Rsa1.0.00158.1	686	117999	0	567	600	94 +	17	611	101331	101928
UN01305	Rsa1.0.00421.1	621	86365	1.00E-73	165	172	95 +	448	619	34765	34934
UN01306	Rsa1.0.00344.1	364	191774	1.00E-159	342	360	95 -	1	360	155630	155988
UN01307	Rsa1.0.12579.1	997	5185	0	462	467	98 +	125	591	1	467
UN01308	Rsa1.0.00197.1	931	109714	0	355	359	98 +	158	514	99351	99709
UN01309	Rsa1.0.00118.1	809	130637	0	461	468	98 +	287	753	90339	90806
UN01310	Rsa1.0.03209.1	1041	24592	0	478	478	100 +	563	1040	20232	20709
UN01311	Rsa1.0.01016.1	924	181422	9.00E-88	207	221	93 -	276	496	3576	3796
UN01312	Rsa1.0.04646.1	1380	16541	0	411	423	97 -	918	1340	929	1351
UN01313	Rsa1.0.01468.1	914	45146	0	585	591	98 -	1	591	15030	15619
UN01314	Rsa1.0.02481.1	584	31035	0	558	586	95 +	1	584	17753	18335
UN01315	Rsa1.0.01222.1	735	50398	0	555	577	96 +	1	574	2217	2793
UN01316	Rsa1.0.00121.1	1128	278029	0	486	495	98 +	1	495	37383	37875
UN01317	Rsa1.0.00773.1	691	64839	0	680	691	98 -	1	691	20228	20915
UN01318	Rsa1.0.00832.1	830	62622	1.00E-157	331	341	97 -	3	341	41378	41715
UN01319	Rsa1.0.00048.1	718	167185	0	676	678	99 -	1	678	125701	126378
UN01320	Rsa1.0.01503.1	762	44467	0	759	761	99 -	3	761	26720	27480
UN01321	Rsa1.0.01774.1	1852	39528	0	982	1004	97 -	37	1037	7477	8477
UN01322	Rsa1.0.02690.1	910	28629	1.00E-132	249	251	99 -	2	252	17941	18190
UN01323	Rsa1.0.02681.1	1218	28711	0	917	936	97 +	1	935	12438	13370
UN01324	Rsa1.0.07695.1	1244	8770	0	423	435	97 -	311	745	2661	3095

UN01325	Rsa1.0.00005.1	857	353093	0	618	620	99 +	1	620	143656	144275
UN01326	Rsa1.0.00678.1	825	193163	0	360	366	98 -	406	771	165336	165700
UN01327	Rsa1.0.04273.1	522	18144	1.00E-106	238	252	94 -	5	256	12147	12398
UN01328	Rsa1.0.02668.1	1497	28895	1.00E-174	390	414	94 -	1	413	12485	12892
UN01329	Rsa1.0.03638.1	543	21634	0	366	369	99 +	1	367	20034	20402
UN01330	Rsa1.0.01779.1	1254	39448	0	555	557	99 +	2	558	33270	33826
UN01331	Rsa1.0.00079.1	875	606987	0	449	465	96 +	1	457	186517	186977
UN01332	Rsa1.0.01835.1	562	38542	0	369	372	99 +	190	561	20857	21228
UN01333	Rsa1.0.00284.1	1593	323267	1.00E-107	266	289	92 +	3	280	237070	237358
UN01334	Rsa1.0.00260.1	855	102021	1.00E-169	304	305	99 -	454	758	3365	3669
UN01335	#	#	#	#	#	#	#	#	#	#	#
UN01336	Rsa1.0.21616.1	1592	1186	0	727	727	100 -	674	1400	265	991
UN01337	Rsa1.0.00060.1	1471	502678	0	608	610	99 -	6	615	41528	42137
UN01338	Rsa1.0.00304.1	1094	97429	0	331	333	99 -	1	333	8237	8569
UN01339	Rsa1.0.04193.1	1113	18571	1.00E-107	220	225	97 +	3	225	6657	6881
UN01340	Rsa1.0.00467.1	840	156542	0	448	475	94 +	2	472	125592	126061
UN01341	Rsa1.0.01569.1	1164	43029	1.00E-105	210	215	97 -	2	216	9452	9666
UN01342	Rsa1.0.00001.1	863	363028	0	410	434	94 +	19	448	314832	315259
UN01343	Rsa1.0.00429.1	717	85559	0	697	717	97 -	2	717	20481	21197
UN01344	Rsa1.0.00111.1	694	390088	0	669	697	95 +	1	694	200286	200979
UN01345	Rsa1.0.00722.1	1443	66840	0	353	356	99 +	1	356	35937	36290
UN01346	Rsa1.0.08230.1	161	7688	3.00E-49	141	155	90 -	3	157	5431	5585
UN01347	Rsa1.0.00275.1	780	210104	0	765	785	97 -	1	779	16930	17714
UN01348	Rsa1.0.00205.1	1436	193401	0	331	331	100 -	10	340	33441	33771
UN01349	Rsa1.0.04275.1	830	18136	1.00E-121	274	289	94 +	57	345	9487	9773
UN01350	Rsa1.0.00134.1	1309	390219	1.00E-176	342	349	97 +	1	348	230194	230541
UN01351	Rsa1.0.00213.1	974	108167	1.00E-164	367	389	94 -	29	414	46415	46798
UN01352	Rsa1.0.00196.1	737	109960	0	576	588	97 +	153	735	28104	28691
UN01353	Rsa1.0.00040.1	472	324196	3.00E-89	232	251	92 -	37	286	17904	18153
UN01354	Rsa1.0.00285.1	1236	149638	1.00E-178	350	361	96 +	1	361	143051	143411
UN01355	Rsa1.0.05618.1	945	13165	1.00E-114	218	221	98 +	471	691	7388	7608
UN01356	Rsa1.0.01848.1	708	38312	0	700	707	99 -	2	708	26830	27536
UN01357	Rsa1.0.01760.1	928	39730	1.00E-114	219	222	98 -	1	222	13353	13574
UN01358	Rsa1.0.00331.1	761	176754	1.00E-177	333	339	98 +	1	339	107341	107679
UN01359	Rsa1.0.10134.1	1029	5984	1.00E-139	252	252	100 -	254	505	3960	4211
UN01360	Rsa1.0.00069.1	717	403561	1.00E-136	267	273	97 +	36	308	185324	185594
UN01361	Rsa1.0.02997.1	1119	26150	0	1101	1116	98 +	5	1119	3288	4403
UN01362	Rsa1.0.00195.1	884	251884	1.00E-89	210	221	95 -	1	215	241757	241977
UN01363	Rsa1.0.06160.1	1371	11596	0	474	485	97 +	245	729	10937	11421

UN01364	Rsa1.0_04029.1	1552	19491	0	582	592	98 -	962	1552	8373	8963
UN01365	Rsa1.0_02222.1	1396	152798	1.00E-166	302	304	99 -	1093	1396	122191	122494
UN01366	Rsa1.0_00090.1	1142	273859	0	1067	1114	95 -	35	1142	87904	89002
UN01367	Rsa1.0_02215.1	1382	33822	0	541	584	92 -	3	586	9505	10064
UN01368	Rsa1.0_01303.1	832	48853	0	405	426	95 +	249	674	15257	15682
UN01369	Rsa1.0_00079.1	1200	606987	1.00E-165	332	343	96 +	859	1200	71467	71809
UN01370	Rsa1.0_03408.1	1081	23154	0	663	679	97 +	405	1081	12765	13442
UN01371	Rsa1.0_00321.1	1037	95671	0	1021	1040	98 -	1	1037	56895	57927
UN01372	Rsa1.0_03878.1	988	20305	0	581	597	97 +	386	980	1652	2244
UN01373	Rsa1.0_00087.1	808	761073	1.00E-166	318	324	98 +	486	808	83067	83390
UN01374	Rsa1.0_00008.1	1265	358124	1.00E-106	222	228	97 +	1037	1261	308529	308756
UN01375	Rsa1.0_05344.1	971	14103	0	727	729	99 +	237	965	4842	5570
UN01376	Rsa1.0_00744.1	941	66084	0	511	517	98 -	426	941	3356	3872
UN01377	Rsa1.0_00847.1	640	62270	1.00E-116	227	232	97 +	141	372	52454	52685
UN01378	Rsa1.0_00060.1	410	502678	1.00E-159	287	288	99 +	123	410	54986	55273
UN01379	Rsa1.0_01510.1	918	44237	1.00E-119	362	402	90 +	525	918	19080	19474
UN01380	Rsa1.0_00033.1	1285	515811	0	533	538	99 +	741	1278	135945	136481
UN01381	Rsa1.0_16075.1	1310	2295	2.00E-58	125	128	97 -	1183	1310	2065	2192
UN01382	Rsa1.0_00798.1	931	63945	1.00E-178	429	463	92 +	473	931	43764	44220
UN01383	Rsa1.0_00118.1	621	130637	0	547	574	95 +	2	575	27468	28041
UN01384	Rsa1.0_00217.1	829	107079	1.00E-176	322	325	99 -	9	333	95136	95460
UN01385	Rsa1.0_00016.1	765	831256	0	372	381	97 -	385	765	570152	570531
UN01386	Rsa1.0_00245.1	962	103569	0	544	557	97 -	407	962	52410	52966
UN01387	Rsa1.0_01209.1	916	50668	1.00E-121	251	260	96 -	23	280	47015	47274
UN01388	Rsa1.0_02872.1	842	27080	1.00E-160	340	358	94 -	18	375	12112	12463
UN01389	Rsa1.0_00142.1	852	121474	0	429	447	95 +	374	815	62984	63430
UN01390	Rsa1.0_47641.1	778	475	1.00E-179	389	410	94 -	376	778	66	475
UN01391	Rsa1.0_00163.1	844	116847	1.00E-135	268	276	97 -	545	820	25937	26212
UN01392	Rsa1.0_04111.1	887	18991	2.33E-156	308	321	95 -	3	323	13843	14159
UN01393	Rsa1.0_00839.1	909	62533	0	552	591	93 -	278	867	46420	47010
UN01394	Rsa1.0_01413.1	891	46275	0	398	398	100 -	494	891	28609	29006
UN01395	Rsa1.0_00207.1	1289	248736	0	335	335	100 +	3	337	216909	217243
UN01396	Rsa1.0_00384.1	1342	89278	0	441	450	98 -	350	799	88013	88461
UN01397	Rsa1.0_00263.1	1158	224968	0	405	413	98 -	747	1157	47421	47832
UN01398	Rsa1.0_01234.1	993	50183	0	941	997	94 +	1	991	15511	16507
UN01399	Rsa1.0_00651.1	993	247766	1.00E-126	281	296	94 -	699	993	90236	90524
UN01400	Rsa1.0_00092.1	950	659932	1.00E-148	287	294	97 +	373	666	358012	358305
UN01401	Rsa1.0_19998.1	757	1354	1.00E-178	319	320	99 +	3	322	141	460
UN01402	Rsa1.0_03418.1	822	147293	1.00E-80	162	165	98 -	3	167	11737	11901

UN01403	Rsa1.0_00065.1	1076	454616	0	355	355	100 -	422	776	417752	418106
UN01404	Rsa1.0_00101.1	978	267193	1.00E-114	280	306	91 +	648	936	208637	208942
UN01405	Rsa1.0_01089.1	751	142191	0	339	339	100 -	306	644	101822	102160
UN01406	Rsa1.0_00065.1	956	454616	0	602	627	96 +	322	948	254496	255122
UN01407	Rsa1.0_00577.1	789	174827	0	746	778	95 +	4	772	494	1269
UN01408	Rsa1.0_00273.1	1180	326186	0	587	620	94 +	579	1180	1356	1975
UN01409	Rsa1.0_00879.1	754	61297	1.00E-114	221	225	98 -	40	264	29418	29642
UN01410	Rsa1.0_00342.1	682	93695	4.00E-49	119	124	95 +	388	511	32256	32378
UN01411	Rsa1.0_01461.1	817	45240	0	422	423	99 +	396	817	7012	7434
UN01412	Rsa1.0_07113.1	1318	9877	1.00E-109	224	232	96 -	27	251	228	459
UN01413	Rsa1.0_01012.1	928	56836	0	486	525	92 -	168	689	30849	31372
UN01414	Rsa1.0_02694.1	1275	28610	0	392	402	97 +	423	821	6542	6943
UN01415	Rsa1.0_03366.1	734	23401	0	415	417	99 -	3	419	12024	12440
UN01416	Rsa1.0_04855.1	1433	15708	0	419	423	99 -	1009	1431	10580	10999
UN01417	Rsa1.0_00341.1	1027	249309	0	807	883	91 +	62	932	179827	180671
UN01418	Rsa1.0_00960.1	1373	58199	0	462	487	94 -	889	1373	14526	15007
UN01419	Rsa1.0_00002.1	981	601661	1.00E-138	304	324	93 +	670	981	270307	270627
UN01420	Rsa1.0_02376.1	912	32011	0	456	494	92 +	222	706	13930	14420
UN01421	Rsa1.0_03475.1	803	22653	9.00E-60	153	161	95 -	3	159	22098	22258
UN01422	Rsa1.0_00243.1	729	103651	1.00E-116	243	250	97 -	479	728	35555	35799
UN01423	Rsa1.0_01146.1	1034	163455	0	592	594	99 +	441	1034	148849	149442
UN01424	Rsa1.0_01026.1	964	171624	0	643	662	97 -	302	962	165230	165890
UN01425	Rsa1.0_02191.1	786	34078	0	425	425	100 +	362	786	17613	18037
UN01426	Rsa1.0_00017.1	627	752458	0	477	499	95 +	132	627	537785	538275
UN01427	Rsa1.0_01188.1	1209	51362	0	504	514	98 +	3	516	17186	17699
UN01428	Rsa1.0_01591.1	887	42718	0	870	883	98 +	2	883	5393	6275
UN01429	Rsa1.0_00127.1	640	127446	1.00E-116	236	244	96 -	154	397	4782	5025
UN01430	Rsa1.0_00966.1	984	58136	1.00E-120	294	312	94 -	19	324	53466	53774
UN01431	Rsa1.0_00077.1	1270	145005	0	535	537	99 -	591	1127	89653	90189
UN01432	Rsa1.0_00437.1	959	84879	0	444	446	99 -	514	959	70164	70609
UN01433	Rsa1.0_00089.1	851	406142	0	575	576	99 +	276	851	275428	276003
UN01434	Rsa1.0_00096.1	719	198773	1.00E-108	231	241	95 +	1	241	171687	171924
UN01435	Rsa1.0_01156.1	1690	52147	1.00E-130	280	292	95 +	1401	1690	38895	39186
UN01436	Rsa1.0_07694.1	941	8776	0	385	399	96 +	543	941	8243	8636
UN01437	Rsa1.0_04744.1	1193	16154	1.00E-145	336	354	94 +	847	1193	7259	7609
UN01438	Rsa1.0_00055.1	736	520193	1.00E-171	316	320	98 -	417	736	211371	211690
UN01439	Rsa1.0_00048.1	711	167185	1.00E-101	222	231	96 +	280	507	148073	148303
UN01440	Rsa1.0_01008.1	1393	56924	0	1374	1391	98 -	3	1391	14315	15703
UN01441	Rsa1.0_02825.1	945	27568	0	879	911	96 -	1	902	17441	18345

UN01442	Rsa1.0.00838.1	884	153820	0	357	359	99 -	527	884	147715	148073
UN01443	Rsa1.0.00131.1	1326	432233	0	1158	1202	96 +	123	1324	44958	46158
UN01444	Rsa1.0.20002.1	1054	1353	0	333	336	99 +	3	338	612	944
UN01445	Rsa1.0.10275.1	722	5907	3.00E-81	169	174	97 +	251	424	887	1060
UN01446	Rsa1.0.03543.1	1291	22185	0	493	509	96 -	130	634	3871	4379
UN01447	Rsa1.0.00199.1	849	249604	0	557	562	99 -	3	563	13361	13921
UN01448	Rsa1.0.00318.1	788	96094	1.00E-133	251	253	99 +	301	553	75462	75713
UN01449	Rsa1.0.03469.1	857	22681	1.00E-148	285	291	97 +	337	627	20324	20614
UN01450	Rsa1.0.01971.1	267	36641	7.00E-95	243	268	90 -	2	254	23472	23736
UN01451	Rsa1.0.01429.1	988	46061	0	967	987	97 -	3	988	17004	17987
UN01452	Rsa1.0.02091.1	1421	35157	0	1292	1360	95 +	58	1414	4073	5413
UN01453	Rsa1.0.04538.1	1293	16940	0	1278	1296	98 +	1	1293	5887	7181
UN01454	Rsa1.0.00213.1	1205	108167	1.00E-161	439	483	90 -	741	1204	36347	36811
UN01455	Rsa1.0.04450.1	1093	17297	0	697	710	98 +	1	710	13778	14487
UN01456	Rsa1.0.00156.1	897	118383	0	361	368	98 -	1	368	13496	13863
UN01457	Rsa1.0.02999.1	913	26135	0	908	915	99 +	3	913	13715	14629
UN01458	Rsa1.0.00642.1	912	201230	0	391	391	100 -	520	910	162508	162898
UN01459	Rsa1.0.00866.1	681	61676	1.00E-64	129	130	99 +	194	323	56046	56175
UN01460	Rsa1.0.10126.1	805	5987	0	760	806	94 +	5	800	3716	4506
UN01461	Rsa1.0.09588.1	772	6267	1.00E-121	227	229	99 +	313	541	5405	5633
UN01462	Rsa1.0.00340.1	644	305782	0	628	642	97 +	3	644	289427	290068
UN01463	Rsa1.0.03281.1	827	143349	0	445	452	98 +	379	827	136448	136899
UN01464	Rsa1.0.00507.1	812	79074	1.00E-131	331	362	91 -	28	385	20321	20676
UN01465	Rsa1.0.01360.1	994	47246	0	582	615	94 -	389	992	23905	24514
UN01466	Rsa1.0.03464.1	947	22715	8.00E-79	150	150	100 +	798	947	12662	12811
UN01467	Rsa1.0.00185.1	1424	248445	0	907	920	98 -	504	1423	233983	234902
UN01468	Rsa1.0.04029.1	894	19491	0	383	396	96 -	470	859	10003	10398
UN01469	Rsa1.0.00111.1	1017	390088	0	466	472	98 -	546	1017	197737	198208
UN01470	Rsa1.0.00001.1	752	363028	3.00E-78	155	157	98 -	248	404	29910	30066
UN01471	Rsa1.0.00021.1	1555	263655	1.00E-136	437	496	88 +	1014	1506	199080	199572
UN01472	Rsa1.0.00744.1	698	66084	8.00E-69	148	153	96 +	345	497	48388	48540
UN01473	Rsa1.0.00946.1	1557	58666	1.00E-133	283	294	96 +	1266	1553	52830	53122
UN01474	Rsa1.0.01728.1	1258	40239	0	921	962	95 +	310	1258	3010	3970
UN01475	Rsa1.0.00108.1	1222	478491	2.33E-156	269	271	99 +	534	804	463378	463648
UN01476	Rsa1.0.06421.1	958	11053	1.00E-177	381	399	95 -	560	958	3836	4231
UN01477	Rsa1.0.54086.1	827	422	2.00E-60	128	131	97 -	362	492	147	277
UN01478	Rsa1.0.00708.1	1301	67366	0	460	492	93 +	343	831	41786	42277
UN01479	Rsa1.0.04098.1	802	19078	1.00E-134	306	326	93 +	488	802	10291	10616
UN01480	Rsa1.0.00123.1	1318	325650	0	794	848	93 +	466	1310	109752	110582

UN01481	Rsa1.0_02029.1	1362	35857	0	713	762	93 +	3	764	25120	25866
UN01482	Rsa1.0_00676.1	707	69166	1.00E-175	312	312	100 +	396	707	19280	19591
UN01483	Rsa1.0_00216.1	1240	197563	0	674	685	98 +	1	685	99017	99700
UN01484	Rsa1.0_02269.1	772	33168	5.00E-55	123	126	97 +	288	412	15955	16080
UN01485	Rsa1.0_00741.1	801	66117	3.00E-75	293	342	85 -	180	521	32766	33104
UN01486	Rsa1.0_00439.1	787	142776	0	412	423	97 +	3	422	57722	58144
UN01487	Rsa1.0_04591.1	1306	16717	0	1217	1223	99 +	85	1306	2892	4113
UN01488	Rsa1.0_30952.1	1394	740	2.00E-80	242	269	89 -	966	1233	383	650
UN01489	Rsa1.0_00512.1	824	200277	1.00E-108	228	236	96 +	4	238	194177	194412
UN01490	Rsa1.0_06369.1	913	11141	0	394	399	98 +	343	741	6231	6629
UN01491	Rsa1.0_07149.1	1107	9824	0	387	402	96 -	716	1107	844	1245
UN01492	Rsa1.0_05947.1	983	12142	0	401	419	95 +	263	678	2699	3111
UN01493	Rsa1.0_00247.1	1173	103408	0	530	531	99 -	1	531	95495	96025
UN01494	Rsa1.0_01835.1	859	38542	1.00E-124	226	226	100 -	632	857	17025	17250
UN01495	Rsa1.0_03141.1	985	25061	0	698	755	92 +	263	985	12076	12827
UN01496	Rsa1.0_00458.1	1253	82717	0	417	436	95 -	818	1253	75544	75964
UN01497	Rsa1.0_05159.1	997	14642	0	559	576	97 -	422	997	7615	8179
UN01498	Rsa1.0_00631.1	466	71277	1.00E-122	251	258	97 -	209	466	59025	59280
UN01499	Rsa1.0_00414.1	1564	202190	0	516	534	96 +	862	1392	172207	172734
UN01500	Rsa1.0_03132.1	1250	25142	0	604	639	94 -	615	1250	7901	8530
UN01501	Rsa1.0_04189.1	1012	18584	1.00E-116	272	290	93 +	730	1010	4224	4512
UN01502	Rsa1.0_04510.1	845	17033	2.00E-94	208	216	96 +	548	762	12403	12617
UN01503	Rsa1.0_01591.1	1536	42718	1.00E-162	406	447	90 -	1099	1517	26831	27277
UN01504	Rsa1.0_00048.1	840	167185	5.00E-80	167	172	97 +	139	310	71654	71825
UN01505	Rsa1.0_01731.1	1425	40208	0	1097	1141	96 -	295	1425	30987	32114
UN01506	Rsa1.0_00495.1	777	79934	3.00E-62	150	158	94 +	151	308	9240	9396
UN01507	Rsa1.0_00518.1	765	78360	5.00E-98	194	198	97 -	395	592	19614	19811
UN01508	Rsa1.0_02036.1	1094	35731	0	1090	1105	98 -	3	1094	2907	4011
UN01509	Rsa1.0_00163.1	1125	116847	1.00E-174	340	350	97 -	308	657	30602	30951
UN01510	Rsa1.0_00092.1	1233	659932	1.00E-62	123	123	100 +	1	123	439120	439242
UN01511	Rsa1.0_01601.1	765	42519	0	415	434	95 -	146	579	12367	12797
UN01512	Rsa1.0_00913.1	744	59914	1.00E-67	140	143	97 -	415	557	20658	20800
UN01513	Rsa1.0_00759.1	1220	65465	0	839	873	96 +	358	1220	55681	56553
UN01514	Rsa1.0_15043.1	1231	2872	1.00E-117	227	230	98 -	3	232	323	550
UN01515	Rsa1.0_00513.1	1455	78579	0	401	402	99 -	1054	1455	46560	46961
UN01516	Rsa1.0_02574.1	1230	29954	0	596	600	99 +	629	1228	7851	8450
UN01517	Rsa1.0_00603.1	1172	73299	2.00E-76	249	285	87 -	852	1136	18990	19254
UN01518	Rsa1.0_03471.1	1147	22678	0	976	991	98 +	121	1105	296	1284
UN01519	Rsa1.0_00336.1	1380	445051	1.00E-162	296	298	99 -	2	299	441311	441608

UN01520	Rsa1.0_11496.1	1355	5485	0	1327	1366	97 +	2	1355	1374	2739
UN01521	Rsa1.0_00047.1	956	168582	1.00E-124	229	230	99 -	726	955	53787	54016
UN01522	Rsa1.0_00112.1	703	132199	0	423	442	95 +	257	693	55783	56220
UN01523	Rsa1.0_02299.1	1220	32857	0	441	441	100 -	1	441	4421	4861
UN01524	Rsa1.0_00139.1	841	357786	2.00E-63	153	164	93 -	1	164	292098	292252
UN01525	Rsa1.0_00006.1	858	396176	0	818	845	96 -	2	842	376370	377214
UN01526	Rsa1.0_00108.1	668	478491	1.00E-176	316	317	99 +	352	668	270627	270943
UN01527	Rsa1.0_06488.1	963	141774	0	381	383	99 +	582	963	2452	2834
UN01528	Rsa1.0_00085.1	674	142226	0	375	379	98 +	297	674	56009	56387
UN01529	Rsa1.0_01220.1	1310	161775	2.00E-92	193	199	96 -	949	1144	122655	122853
UN01530	Rsa1.0_00884.1	794	61150	1.00E-141	261	262	99 +	485	745	19478	19739
UN01531	Rsa1.0_00602.1	1437	73302	0	968	975	99 +	465	1437	33512	34486
UN01532	Rsa1.0_05593.1	777	13235	0	592	616	96 +	148	759	1134	1748
UN01533	Rsa1.0_02181.1	809	34172	1.00E-137	273	279	97 +	192	470	18160	18435
UN01534	Rsa1.0_00439.1	892	142776	0	882	892	98 +	2	892	123194	124083
UN01535	Rsa1.0_00415.1	748	86795	1.00E-134	246	247	99 +	332	578	72219	72465
UN01536	Rsa1.0_08366.1	735	7466	0	383	401	95 +	335	735	5695	6081
UN01537	Rsa1.0_00361.1	836	91181	1.00E-150	273	274	99 -	423	696	12177	12450
UN01538	Rsa1.0_00364.1	846	90951	0	829	856	96 -	1	846	76974	77829
UN01539	Rsa1.0_01043.1	1181	55893	0	523	552	94 -	631	1181	34936	35473
UN01540	Rsa1.0_00145.1	1041	261008	0	653	661	98 +	368	1028	17556	18215
UN01541	Rsa1.0_12370.1	935	5243	0	597	597	100 -	1	597	878	1474
UN01542	Rsa1.0_00301.1	974	365315	0	966	967	99 -	8	974	25981	26947
UN01543	Rsa1.0_00653.1	699	70029	0	384	390	98 +	3	392	33896	34283
UN01544	Rsa1.0_02625.1	799	139104	0	525	525	100 +	20	544	138580	139104
UN01545	Rsa1.0_02454.1	1164	31263	0	893	896	99 +	3	897	6909	7804
UN01546	Rsa1.0_00327.1	1451	94892	0	550	568	96 -	674	1240	62360	62927
UN01547	Rsa1.0_00105.1	653	134138	7.00E-94	190	195	97 +	221	415	91498	91692
UN01548	Rsa1.0_00024.1	1304	188018	1.00E-141	267	271	98 -	844	1114	5016	5286
UN01549	Rsa1.0_01459.1	1233	45277	0	1171	1243	94 -	2	1231	35841	37070
UN01550	Rsa1.0_01411.1	1030	46326	0	350	351	99 +	3	353	22913	23263
UN01551	Rsa1.0_00739.1	1606	66155	1.00E-120	237	243	97 -	757	999	42962	43204
UN01552	Rsa1.0_14912.1	793	2970	6.00E-73	177	189	93 +	567	751	1944	2132
UN01553	Rsa1.0_00360.1	1017	91190	0	522	536	97 +	31	566	75819	76354
UN01554	Rsa1.0_00041.1	835	186197	0	493	513	96 +	3	514	71394	71906
UN01555	Rsa1.0_00520.1	814	78226	0	376	378	99 -	1	378	37747	38124
UN01556	Rsa1.0_14737.1	940	3115	0	321	321	100 +	275	595	2055	2375
UN01557	Rsa1.0_02091.1	647	35157	0	625	646	96 -	4	647	4771	5413
UN01558	Rsa1.0_01175.1	739	51674	1.00E-101	187	187	100 -	1	187	38400	38586

UN01559	Rsa1.0_00949.1	1408	58549	0	437	440	99 +	747	1185	15414	15851
UN01560	Rsa1.0_00893.1	982	60626	2.00E-15	63	70	90 -	913	982	24296	24358
UN01561	Rsa1.0_04415.1	816	147889	0	575	579	99 +	2	580	137359	137935
UN01562	Rsa1.0_00167.1	606	116000	1.00E-122	244	250	97 +	1	249	90120	90369
UN01563	Rsa1.0_01712.1	1206	154210	1.00E-149	272	273	99 +	682	954	2819	3091
UN01564	Rsa1.0_01434.1	1473	45951	0	1144	1182	96 -	3	1174	5302	6480
UN01565	Rsa1.0_13979.1	828	3964	1.00E-145	264	265	99 -	386	650	2589	2853
UN01566	Rsa1.0_00260.1	908	102021	0	415	419	99 +	249	667	72077	72495
UN01567	Rsa1.0_03055.1	261	25730	1.00E-123	247	255	96 -	3	257	2665	2919
UN01568	Rsa1.0_00698.1	1074	67816	1.00E-119	263	278	94 -	464	741	46344	46616
UN01569	Rsa1.0_06603.1	923	10682	1.00E-137	301	320	94 -	1	307	5476	5794
UN01570	Rsa1.0_00245.1	718	103569	0	685	686	99 -	34	718	11734	12419
UN01571	Rsa1.0_02179.1	708	34188	0	687	710	96 -	1	707	20218	20927
UN01572	Rsa1.0_00028.1	1413	293984	1.00E-130	240	241	99 -	1	241	44903	45143
UN01573	Rsa1.0_01377.1	1135	46967	1.00E-117	292	315	92 -	1	309	21582	21895
UN01574	Rsa1.0_13250.1	676	4955	1.00E-129	235	235	100 +	58	292	1	235
UN01575	Rsa1.0_00497.1	813	79830	0	472	472	100 -	1	472	76695	77166
UN01576	Rsa1.0_01530.1	1069	43820	1.00E-132	266	273	97 -	1	272	5090	5359
UN01577	Rsa1.0_02041.1	1060	163634	1.00E-153	318	331	96 +	1	330	18706	19032
UN01578	Rsa1.0_00075.1	995	146680	1.00E-117	220	222	99 +	1	222	66201	66422
UN01579	Rsa1.0_00087.1	708	761073	0	664	708	93 -	2	708	182815	183499
UN01580	Rsa1.0_00254.1	1149	102600	1.00E-148	306	318	96 +	10	326	74046	74363
UN01581	Rsa1.0_00034.1	762	260119	1.00E-122	262	275	95 +	116	390	246416	246690
UN01582	Rsa1.0_00632.1	860	183777	1.00E-136	298	312	95 -	3	310	3462	3772
UN01583	Rsa1.0_17297.1	1704	1867	0	494	524	94 +	1144	1667	1344	1867
UN01584	Rsa1.0_02377.1	622	31994	0	576	625	92 +	8	615	19545	20165
UN01585	Rsa1.0_02654.1	1228	29028	0	1018	1059	96 -	1	1053	21338	22382
UN01586	Rsa1.0_16075.1	426	2295	8.00E-37	97	103	94 +	3	105	2090	2192
UN01587	Rsa1.0_01725.1	1059	40290	0	579	590	98 -	412	1001	1697	2286
UN01588	Rsa1.0_00051.1	750	258225	0	505	507	99 +	3	509	2656	3162
UN01589	Rsa1.0_00044.1	451	271658	1.00E-127	297	319	93 +	1	319	176730	177048
UN01590	Rsa1.0_00646.1	1319	70473	1.00E-129	238	239	99 -	807	1045	8478	8716
UN01591	Rsa1.0_02481.1	810	31035	0	375	384	97 +	198	581	18627	19010
UN01592	Rsa1.0_08805.1	825	6906	0	643	650	98 +	176	822	531	1180
UN01593	Rsa1.0_00649.1	1283	70263	0	1261	1282	98 +	2	1282	4280	5561
UN01594	Rsa1.0_03001.1	883	26108	0	441	442	99 +	7	448	5384	5824
UN01595	Rsa1.0_00269.1	764	341668	0	734	764	96 -	1	764	17129	17884
UN01596	Rsa1.0_02299.1	659	32857	0	434	435	99 +	1	435	1464	1898
UN01597	Rsa1.0_00005.1	1237	353093	1.00E-135	247	248	99 +	3	250	116631	116878

UN01598	Rsa1.0_00006.1	1220	396176	0	740	750	98 +	1	750	375321	376070
UN01599	Rsa1.0_01313.1	951	48387	1.00E-142	299	313	95 -	1	313	16151	16463
UN01600	Rsa1.0_00398.1	1080	88007	0	670	697	96 +	2	698	70672	71367
UN01601	Rsa1.0_00884.1	836	61150	0	694	714	97 -	3	715	20224	20935
UN01602	Rsa1.0_00976.1	866	57809	1.00E-170	303	303	100 -	1	303	49516	49818
UN01603	Rsa1.0_13975.1	936	3968	0	801	807	99 -	1	807	2406	3209
UN01604	Rsa1.0_02433.1	338	158318	1.00E-148	323	338	95 +	1	337	20008	20343
UN01605	Rsa1.0_14458.1	1233	3368	1.00E-160	295	298	98 +	821	1118	1277	1574
UN01606	Rsa1.0_02874.1	802	27070	2.00E-97	195	199	97 -	602	800	1695	1890
UN01607	Rsa1.0_00576.1	771	178949	0	376	380	98 -	2	381	23674	24053
UN01608	Rsa1.0_03469.1	826	22681	1.00E-137	302	319	94 -	9	325	21947	22265
UN01609	Rsa1.0_00285.1	1157	149638	1.00E-157	309	316	97 -	1	315	97144	97457
UN01610	Rsa1.0_03471.1	821	22678	0	803	820	97 -	3	821	915	1731
UN01611	Rsa1.0_00892.1	775	60703	0	448	457	98 -	5	460	21370	21826
UN01612	Rsa1.0_02130.1	826	34755	0	492	515	95 +	318	825	30534	31048
UN01613	Rsa1.0_01572.1	1004	42995	0	812	828	98 -	190	1004	6475	7302
UN01614	Rsa1.0_00234.1	1193	197060	0	401	415	96 +	367	781	144150	144564
UN01615	Rsa1.0_00275.1	838	210104	1.00E-108	233	247	94 +	391	637	119346	119579
UN01616	Rsa1.0_00131.1	1453	432233	0	490	545	89 -	380	915	395234	395750
UN01617	Rsa1.0_00001.1	919	363028	0	462	474	97 +	448	919	209188	209657
UN01618	Rsa1.0_02772.1	1247	28047	0	389	390	99 -	858	1247	17226	17615
UN01619	Rsa1.0_00105.1	922	134138	0	491	492	99 -	429	920	10801	11292
UN01620	Rsa1.0_01387.1	1005	46745	1.00E-154	309	319	96 -	435	753	39359	39675
UN01621	Rsa1.0_40505.1	869	554	1.00E-166	306	309	99 -	392	700	1	309
UN01622	Rsa1.0_00179.1	430	393324	1.00E-156	323	336	96 -	103	430	352408	352740
UN01623	Rsa1.0_00388.1	1184	88890	1.00E-138	261	265	98 -	918	1182	85714	85978
UN01624	Rsa1.0_00005.1	1602	353093	1.00E-151	423	476	88 -	1138	1591	71259	71734
UN01625	Rsa1.0_00010.1	874	294827	1.00E-124	226	226	100 -	67	292	248372	248597
UN01626	Rsa1.0_01569.1	883	43029	0	609	613	99 -	260	872	24201	24811
UN01627	Rsa1.0_01465.1	881	45175	0	605	615	98 +	206	817	28909	29523
UN01628	Rsa1.0_02325.1	1485	160025	0	508	514	98 -	970	1483	140806	141319
UN01629	Rsa1.0_00542.1	915	76831	0	391	400	97 +	118	517	71903	72302
UN01630	Rsa1.0_01134.1	1478	52829	0	1022	1052	97 -	420	1470	25945	26996
UN01631	Rsa1.0_03473.1	816	22665	0	812	814	99 -	3	816	9420	10233
UN01632	Rsa1.0_00251.1	636	303968	0	566	573	98 +	67	636	139709	140281
UN01633	Rsa1.0_00872.1	1169	61495	1.00E-172	390	415	93 +	746	1159	17030	17443
UN01634	Rsa1.0_01717.1	1162	143162	0	380	387	98 -	1	385	6372	6758
UN01635	Rsa1.0_03375.1	1022	23332	2.00E-82	191	199	95 +	3	198	13164	13361
UN01636	Rsa1.0_04065.1	1308	19275	0	659	660	99 +	3	661	15393	16052

UN01637	Rsa1.0_12729.1	1084	5142	1.00E-154	292	296	98 +	2	297	2468	2762
UN01638	Rsa1.0_01357.1	1030	47280	0	460	463	99 -	567	1029	2522	2983
UN01639	Rsa1.0_07003.1	963	10045	1.00E-165	301	303	99 +	661	963	1	303
UN01640	Rsa1.0_00278.1	1089	231896	1.00E-121	225	226	99 +	59	284	148696	148921
UN01641	Rsa1.0_04646.1	780	16541	0	749	779	96 +	1	779	10792	11564
UN01642	Rsa1.0_00773.1	1573	64839	0	622	642	96 -	656	1297	22429	23070
UN01643	Rsa1.0_00001.1	1059	363028	0	909	945	96 -	13	947	173735	174678
UN01644	Rsa1.0_00067.1	737	415055	0	431	440	97 +	2	439	313442	313881
UN01645	Rsa1.0_01565.1	2035	155447	0	1721	1754	98 -	265	2010	147188	148935
UN01646	Rsa1.0_00759.1	664	65465	0	401	403	99 +	1	402	53702	54104
UN01647	Rsa1.0_00525.1	761	78030	0	469	470	99 +	1	470	46658	47127
UN01648	Rsa1.0_02428.1	1400	31542	0	334	334	100 -	37	370	17805	18138
UN01649	Rsa1.0_00012.1	1126	222148	0	974	978	99 +	145	1121	110290	111267
UN01650	Rsa1.0_01595.1	801	175383	0	750	766	97 -	27	791	37756	38520
UN01651	Rsa1.0_01095.1	724	54276	3.00E-84	224	246	91 -	3	240	35225	35462
UN01652	Rsa1.0_00383.1	946	398431	1.00E-142	335	360	93 -	598	943	182048	182404
UN01653	Rsa1.0_00092.1	832	659932	1.00E-177	330	335	98 +	246	580	13028	13362
UN01654	Rsa1.0_00012.1	996	222148	0	601	635	94 +	270	898	110484	111109
UN01655	Rsa1.0_02110.1	998	34919	4.00E-93	222	239	92 -	773	998	23653	23891
UN01656	Rsa1.0_00301.1	1328	365315	0	533	539	98 +	788	1326	275569	276107
UN01657	Rsa1.0_00913.1	1185	59914	0	414	415	99 -	2	416	32123	32537
UN01658	Rsa1.0_04479.1	792	17181	4.00E-31	73	74	98 -	719	792	7907	7980
UN01659	Rsa1.0_00541.1	932	76863	0	428	431	99 -	4	434	74721	75151
UN01660	Rsa1.0_00105.1	894	134138	4.00E-99	196	200	98 +	148	347	67944	68143
UN01661	Rsa1.0_01154.1	901	52249	0	445	446	99 -	456	901	9037	9482
UN01662	Rsa1.0_01530.1	951	43820	0	474	491	96 +	212	702	5965	6455
UN01663	Rsa1.0_01141.1	636	52530	0	615	634	97 +	3	636	38330	38960
UN01664	Rsa1.0_05599.1	1358	143653	0	401	412	97 +	914	1320	4266	4677
UN01665	Rsa1.0_00914.1	1334	59880	0	767	772	99 -	3	774	53485	54256
UN01666	Rsa1.0_00286.1	704	98709	1.00E-102	237	252	94 +	404	655	13001	13250
UN01667	Rsa1.0_02867.1	825	27121	0	471	490	96 +	338	825	12695	13183
UN01668	Rsa1.0_02398.1	1044	31766	0	1038	1046	99 -	1	1043	16724	17769
UN01669	Rsa1.0_00749.1	923	65933	0	609	630	96 -	302	923	44807	45434
UN01670	Rsa1.0_00678.1	808	193163	1.00E-137	310	330	93 -	489	805	129966	130295
UN01671	Rsa1.0_00116.1	941	365886	0	543	544	99 +	398	941	144907	145450
UN01672	Rsa1.0_05897.1	1098	12302	0	864	868	99 -	3	870	4216	5083
UN01673	Rsa1.0_00066.1	1444	152418	0	496	499	99 +	946	1444	83634	84132
UN01674	Rsa1.0_02449.1	1219	31292	0	1219	1219	100 +	1	1219	23811	25029
UN01675	Rsa1.0_01246.1	873	49968	0	495	499	99 +	43	541	26897	27395

UN01676	Rsa1.0.02226.1	768	33726	2.00E-54	115	117	98 -	311	427	11062	11178
UN01677	Rsa1.0.00621.1	1222	71840	0	725	752	96 -	1	743	52315	53061
UN01678	Rsa1.0.00816.1	994	403350	0	974	996	97 +	1	994	394006	394999
UN01679	Rsa1.0.00363.1	1084	90968	0	521	521	100 -	563	1083	9260	9780
UN01680	Rsa1.0.02947.1	574	26531	1.00E-106	280	313	89 +	172	456	22870	23181
UN01681	Rsa1.0.03413.1	1170	23137	0	542	543	99 +	628	1170	8284	8826
UN01682	Rsa1.0.02095.1	897	35071	2.00E-98	538	645	83 +	255	895	6233	6865
UN01683	Rsa1.0.02032.1	1159	35830	0	783	801	97 +	2	802	2941	3741
UN01684	Rsa1.0.00070.1	770	150321	0	731	790	92 +	5	770	53680	54460
UN01685	Rsa1.0.03943.1	1175	19931	0	405	407	99 +	578	984	8436	8842
UN01686	Rsa1.0.00131.1	990	432233	0	697	714	97 +	181	893	205248	205959
UN01687	Rsa1.0.00019.1	1936	301669	0	480	502	95 +	1448	1936	99010	99510
UN01688	Rsa1.0.01105.1	742	53958	1.00E-73	147	149	98 -	378	526	22860	23008
UN01689	Rsa1.0.00193.1	1209	194198	0	1149	1162	98 +	51	1208	10121	11282
UN01690	Rsa1.0.16268.1	613	2219	0	571	610	93 +	1	600	42	636
UN01691	Rsa1.0.05623.1	1248	13141	2.00E-33	220	266	82 -	823	1081	1359	1624
UN01692	Rsa1.0.03529.1	665	22277	0	392	403	97 -	1	403	15606	16008
UN01693	Rsa1.0.00471.1	1029	81897	0	473	478	98 -	550	1027	72216	72693
UN01694	Rsa1.0.01682.1	1385	41090	1.00E-180	412	439	93 +	949	1385	10171	10607
UN01695	Rsa1.0.00123.1	1140	325650	1.00E-140	253	253	100 -	655	907	216452	216704
UN01696	Rsa1.0.05545.1	896	13379	0	866	892	97 -	3	894	11086	11969
UN01697	Rsa1.0.03833.1	829	20575	2.00E-67	140	143	97 +	591	733	9936	10078
UN01698	Rsa1.0.06630.1	825	10633	0	419	438	95 -	5	442	2463	2896
UN01699	Rsa1.0.01976.1	1401	36570	0	653	656	99 -	2	657	9059	9714
UN01700	Rsa1.0.06705.1	1337	10507	1.00E-126	281	301	93 -	1038	1337	5994	6277
UN01701	Rsa1.0.01112.1	807	310601	1.00E-156	305	313	97 +	16	328	174755	175064
UN01702	Rsa1.0.00030.1	1523	250988	0	1498	1527	98 -	3	1523	12137	13662
UN01703	Rsa1.0.00044.1	1430	271658	0	429	438	97 -	993	1430	176611	177048
UN01704	Rsa1.0.04616.1	922	16627	1.00E-163	362	383	94 +	447	827	342	723
UN01705	Rsa1.0.02748.1	700	28242	0	690	701	98 +	3	700	17531	18229
UN01706	Rsa1.0.00094.1	1097	139042	0	513	515	99 -	583	1097	25949	26463
UN01707	Rsa1.0.00140.1	1317	121541	0	496	497	99 -	820	1316	30925	31421
UN01708	Rsa1.0.07243.1	742	9673	1.00E-109	207	209	99 +	234	442	979	1187
UN01709	Rsa1.0.31900.1	1396	715	0	703	716	98 -	317	1032	1	715
UN01710	Rsa1.0.00205.1	809	193401	1.00E-114	238	246	96 +	324	569	98206	98450
UN01711	Rsa1.0.00200.1	1342	162016	0	783	808	96 +	3	810	145180	145987
UN01712	Rsa1.0.03460.1	1319	22747	0	650	682	95 -	640	1316	12216	12897
UN01713	Rsa1.0.00049.1	1489	167018	0	589	614	95 +	574	1187	81876	82477
UN01714	Rsa1.0.06213.1	527	11478	4.00E-79	174	181	96 +	15	195	9833	10006

UN01715	Rsa1.0.00632.1	652	183777	0	340	345	98 -	307	650	149094	149438
UN01716	Rsa1.0.01076.1	759	54835	0	346	346	100 -	87	432	5707	6052
UN01717	Rsa1.0.09709.1	600	6198	0	572	600	95 -	3	597	238	825
UN01718	Rsa1.0.00383.1	1252	398431	0	592	607	97 -	3	607	271063	271668
UN01719	Rsa1.0.01146.1	770	163455	1.00E-122	241	247	97 -	524	770	20552	20793
UN01720	Rsa1.0.00017.1	1403	752458	0	388	397	97 -	4	398	455551	455945
UN01721	Rsa1.0.02003.1	1498	36171	1.00E-117	273	291	93 -	45	335	33665	33949
UN01722	Rsa1.0.14158.1	1216	3726	0	1206	1217	99 +	1	1216	713	1925
UN01723	Rsa1.0.10555.1	609	5802	1.00E-103	389	456	85 +	163	606	3361	3816
UN01724	Rsa1.0.00805.1	1263	63724	1.00E-164	320	325	98 -	1	323	45608	45930
UN01725	Rsa1.0.00049.1	927	167018	1.00E-147	352	377	93 +	3	378	131874	132243
UN01726	Rsa1.0.04580.1	1188	16773	1.00E-175	346	356	97 -	834	1188	7350	7705
UN01727	Rsa1.0.00281.1	1496	99908	0	429	449	95 +	4	449	24092	24539
UN01728	Rsa1.0.06872.1	662	10231	1.00E-112	231	237	97 -	4	240	755	989
UN01729	Rsa1.0.02008.1	917	36109	1.00E-89	240	262	91 -	671	917	16939	17196
UN01730	Rsa1.0.01326.1	758	48072	0	410	415	98 -	345	757	43752	44166
UN01731	Rsa1.0.00008.1	1319	358124	0	770	793	97 +	528	1319	81	864
UN01732	Rsa1.0.01400.1	720	46560	0	350	354	98 +	6	357	11245	11598
UN01733	Rsa1.0.06807.1	1045	10324	1.00E-148	269	270	99 -	32	301	7844	8113
UN01734	Rsa1.0.00100.1	599	249232	5.00E-79	206	222	92 +	380	599	115618	115834
UN01735	Rsa1.0.07373.1	1338	9503	0	731	734	99 -	605	1338	8770	9503
UN01736	Rsa1.0.37707.1	888	597	0	596	597	99 -	201	797	1	597
UN01737	Rsa1.0.00062.1	1069	299291	1.00E-118	216	216	100 +	853	1068	283841	284056
UN01738	Rsa1.0.01456.1	695	45372	0	481	498	96 -	198	695	27565	28060
UN01739	Rsa1.0.02788.1	870	27852	0	852	870	97 -	1	870	1460	2329
UN01740	Rsa1.0.00049.1	1108	167018	1.00E-157	288	289	99 -	821	1108	7082	7370
UN01741	Rsa1.0.00437.1	1260	84879	0	477	483	98 +	3	485	22654	23136
UN01742	Rsa1.0.04518.1	919	17005	1.00E-108	236	247	95 -	609	855	11964	12209
UN01743	Rsa1.0.00476.1	1064	280966	0	748	776	96 -	22	794	221860	222633
UN01744	Rsa1.0.00716.1	1275	67078	1.00E-123	233	236	98 -	1040	1275	27760	27995
UN01745	Rsa1.0.00407.1	1281	191544	0	426	426	100 -	418	843	52956	53381
UN01746	Rsa1.0.01617.1	1213	42127	0	1210	1213	99 -	2	1213	2288	3500
UN01747	Rsa1.0.01985.1	782	36491	5.00E-61	202	228	88 -	291	506	1795	2018
UN01748	Rsa1.0.00778.1	853	196751	0	365	371	98 +	2	372	177849	178219
UN01749	Rsa1.0.00382.1	1051	251946	0	659	665	99 -	388	1051	172909	173573
UN01750	Rsa1.0.01143.1	1305	52456	0	496	503	98 +	86	588	44825	45327
UN01751	Rsa1.0.00168.1	1241	115870	0	1239	1239	100 +	3	1241	16028	17266
UN01752	Rsa1.0.00029.1	1177	272992	0	614	640	95 +	560	1177	96813	97452
UN01753	Rsa1.0.02282.1	1021	163951	0	509	512	99 +	27	538	149562	150072

UN01754	Rsa1.0_12341.1	848	5250	0	488	497	98 -	141	635	2120	2615
UN01755	Rsa1.0_01485.1	721	44797	1.00E-112	221	225	98 -	495	719	1279	1502
UN01756	Rsa1.0_00278.1	1441	231896	1.00E-167	312	314	99 -	562	873	71054	71367
UN01757	Rsa1.0_00101.1	843	267193	0	785	787	99 +	3	787	88976	89762
UN01758	Rsa1.0_01310.1	1069	164719	1.00E-141	270	275	98 +	2	272	11679	11953
UN01759	Rsa1.0_00002.1	1907	601661	0	433	440	98 -	1466	1905	124252	124691
UN01760	Rsa1.0_08220.1	918	7701	0	858	887	96 +	29	914	767	1653
UN01761	Rsa1.0_21221.1	1166	1224	0	572	601	95 -	413	1010	552	1149
UN01762	Rsa1.0_06581.1	774	10722	0	463	474	97 +	306	774	1	474
UN01763	Rsa1.0_01604.1	840	42461	0	457	476	96 -	359	821	40151	40626
UN01764	Rsa1.0_00101.1	1177	267193	0	1123	1132	99 -	2	1133	253253	254383
UN01765	Rsa1.0_01199.1	820	163576	0	439	444	98 -	3	446	154725	155168
UN01766	Rsa1.0_03953.1	1092	19889	1.00E-114	246	260	94 -	824	1083	220	469
UN01767	Rsa1.0_00269.1	1047	341668	0	503	519	96 +	528	1045	18901	19419
UN01768	Rsa1.0_02910.1	835	26843	0	831	835	99 +	1	834	15208	16042
UN01769	Rsa1.0_04059.1	812	19323	1.00E-178	338	345	97 +	2	346	13812	14156
UN01770	Rsa1.0_00053.1	1056	263459	1.00E-126	274	288	95 +	3	283	49103	49390
UN01771	Rsa1.0_02071.1	800	35409	1.00E-154	280	281	99 +	3	283	5478	5758
UN01772	Rsa1.0_00714.1	1082	67187	0	525	536	97 +	352	886	19675	20210
UN01773	Rsa1.0_00296.1	729	97854	1.00E-128	260	269	96 -	131	399	46769	47037
UN01774	Rsa1.0_08595.1	720	7147	0	719	719	100 -	2	720	4709	5427
UN01775	Rsa1.0_01070.1	1033	55099	6.00E-49	100	100	100 -	391	490	33925	34024
UN01776	Rsa1.0_02609.1	745	29600	0	668	728	91 +	20	735	3130	3857
UN01777	Rsa1.0_00128.1	1256	228675	1.00E-169	372	395	94 +	3	397	1241	1626
UN01778	Rsa1.0_00484.1	789	203294	1.00E-156	283	284	99 -	48	331	154484	154767
UN01779	Rsa1.0_02562.1	988	30061	1.00E-160	329	342	96 +	645	986	27953	28293
UN01780	Rsa1.0_11318.1	720	5544	0	714	719	99 +	2	720	661	1379
UN01781	Rsa1.0_03341.1	872	23604	0	487	498	97 -	2	499	2950	3447
UN01782	Rsa1.0_02711.1	1599	28475	0	845	883	95 -	713	1595	8767	9649
UN01783	Rsa1.0_10304.1	919	5896	1.00E-163	321	330	97 -	22	348	4798	5127
UN01784	Rsa1.0_00554.1	786	150953	0	769	781	98 -	3	778	53260	54040
UN01785	Rsa1.0_00341.1	1139	249309	0	546	557	98 +	3	557	21522	22077
UN01786	Rsa1.0_03890.1	1010	20223	0	983	1016	96 +	3	1010	1388	2400
UN01787	Rsa1.0_00701.1	1282	67691	0	632	636	99 -	646	1281	40825	41457
UN01788	Rsa1.0_00859.1	836	61795	0	468	483	96 +	292	774	19663	20145
UN01789	Rsa1.0_07524.1	1319	9199	1.00E-123	275	292	94 +	362	653	7175	7466
UN01790	Rsa1.0_00010.1	1099	294827	0	1094	1100	99 -	2	1099	195490	196589
UN01791	Rsa1.0_32202.1	1090	707	0	436	442	98 -	98	537	266	707
UN01792	Rsa1.0_00896.1	524	60509	1.00E-102	189	189	100 +	336	524	52074	52262

UN01793	Rsa1.0_00740.1	606	215972	1.00E-135	316	337	93 +	1	334	48443	48776
UN01794	Rsa1.0_05762.1	1335	12715	0	1294	1329	97 +	8	1335	8820	10148
UN01795	Rsa1.0_04027.1	1480	19501	0	935	983	95 +	510	1479	14735	15716
UN01796	Rsa1.0_00029.1	1077	272992	0	587	591	99 +	487	1077	3110	3700
UN01797	Rsa1.0_05611.1	711	13193	1.00E-107	217	222	97 -	7	228	8443	8663
UN01798	Rsa1.0_00165.1	665	116466	1.00E-86	196	205	95 -	5	205	27427	27631
UN01799	Rsa1.0_02053.1	1226	35554	0	1225	1226	99 -	1	1226	6025	7250
UN01800	Rsa1.0_01951.1	772	36941	9.00E-69	133	133	100 +	1	133	8473	8605
UN01801	Rsa1.0_00015.1	639	561803	1.00E-155	498	579	86 +	79	635	483083	483641
UN01802	Rsa1.0_00758.1	1280	65477	0	1264	1284	98 -	2	1280	38804	40087
UN01803	Rsa1.0_02054.1	690	35548	0	526	565	93 +	11	563	32519	33062
UN01804	Rsa1.0_00122.1	824	265937	1.00E-165	322	329	97 -	6	331	223063	223390
UN01805	Rsa1.0_00060.1	785	502678	9.00E-63	126	127	99 +	248	374	493391	493517
UN01806	Rsa1.0_00454.1	876	216970	0	676	684	98 +	193	876	155884	156567
UN01807	Rsa1.0_01193.1	951	51147	0	324	324	100 +	628	951	18602	18925
UN01808	Rsa1.0_04934.1	521	143962	0	459	494	92 -	3	494	141943	142435
UN01809	Rsa1.0_01762.1	1039	39682	0	399	412	96 -	519	928	6859	7267
UN01810	Rsa1.0_13863.1	838	4186	0	561	579	96 +	261	837	3143	3719
UN01811	Rsa1.0_05013.1	803	15131	0	390	396	98 -	364	756	6261	6656
UN01812	Rsa1.0_00387.1	817	495407	1.00E-125	233	235	99 -	471	705	340053	340287
UN01813	Rsa1.0_01211.1	1292	50646	0	692	697	99 +	596	1292	41800	42496
UN01814	Rsa1.0_05162.1	798	14631	1.00E-122	254	263	96 +	516	778	4180	4441
UN01815	Rsa1.0_05293.1	764	14237	1.00E-168	321	327	98 -	3	329	8559	8884
UN01816	Rsa1.0_00825.1	730	62855	0	616	624	98 +	110	730	940	1563
UN01817	Rsa1.0_19408.1	676	1436	1.00E-104	241	257	93 +	418	674	391	638
UN01818	Rsa1.0_00747.1	775	66030	1.00E-143	267	270	98 -	206	475	36804	37073
UN01819	Rsa1.0_05428.1	1246	13789	1.00E-135	273	281	97 -	967	1246	7932	8212
UN01820	Rsa1.0_00108.1	890	478491	0	427	441	96 +	34	471	458911	459346
UN01821	Rsa1.0_02802.1	1323	27736	0	665	705	94 +	1	696	9984	10678
UN01822	Rsa1.0_03985.1	904	19704	0	879	909	96 -	1	903	15045	15953
UN01823	Rsa1.0_02939.1	1974	26595	0	559	604	92 +	989	1592	13646	14222
UN01824	Rsa1.0_00128.1	1143	228675	0	467	477	97 +	283	759	69485	69961
UN01825	Rsa1.0_00321.1	770	95671	0	767	769	99 +	2	770	9617	10384
UN01826	Rsa1.0_06164.1	1281	11584	0	440	444	99 -	1	442	3193	3635
UN01827	Rsa1.0_01134.1	800	52829	0	778	799	97 +	2	800	25944	26739
UN01828	Rsa1.0_02320.1	815	32575	9.00E-66	143	148	96 -	83	230	24899	25046
UN01829	Rsa1.0_00286.1	787	98709	1.00E-102	237	252	94 -	50	301	13001	13250
UN01830	Rsa1.0_00025.1	1282	277312	0	495	495	100 +	301	795	97736	98230
UN01831	Rsa1.0_20851.1	1200	1263	6.00E-40	181	212	85 +	809	1011	616	824

UN01832	Rsa1.0.22307.1	802	1132	0	342	344	99 +	459	802	26	369
UN01833	Rsa1.0.01517.1	1201	44170	0	850	866	98 -	1	866	16545	17410
UN01834	Rsa1.0.00157.1	1444	245832	1.00E-167	342	352	97 -	2	351	16951	17298
UN01835	Rsa1.0.06803.1	866	10330	0	412	423	97 +	9	430	9670	10084
UN01836	Rsa1.0.00300.1	1286	97747	0	539	562	95 -	662	1214	81513	82074
UN01837	Rsa1.0.00374.1	848	165738	0	361	369	97 -	1	369	131321	131684
UN01838	Rsa1.0.00007.1	795	239325	1.00E-120	222	223	99 +	530	752	117634	117856
UN01839	Rsa1.0.00011.1	827	225044	0	660	662	99 +	2	661	213213	213874
UN01840	Rsa1.0.00320.1	285	95784	3.00E-85	163	164	99 -	121	284	37735	37898
UN01841	Rsa1.0.00034.1	1469	260119	0	456	459	99 +	1008	1466	28435	28892
UN01842	Rsa1.0.00198.1	1035	222963	0	428	429	99 -	605	1033	139103	139531
UN01843	Rsa1.0.00276.1	1243	100160	0	407	410	99 +	348	757	61194	61603
UN01844	Rsa1.0.01020.1	1147	56619	1.00E-122	248	255	97 +	894	1147	20374	20628
UN01845	Rsa1.0.01515.1	726	170864	0	690	744	92 +	1	725	126735	127470
UN01846	Rsa1.0.00069.1	884	403561	0	879	892	98 -	1	884	48378	49269
UN01847	Rsa1.0.00210.1	1027	108424	0	429	432	99 -	594	1025	50678	51109
UN01848	Rsa1.0.03391.1	828	23251	1.00E-165	300	302	99 +	1	302	7096	7397
UN01849	Rsa1.0.00793.1	985	64103	1.00E-132	242	243	99 -	743	985	13030	13272
UN01850	Rsa1.0.04845.1	1405	15747	1.00E-111	220	225	97 +	171	395	4169	4393
UN01851	Rsa1.0.00185.1	979	248445	3.00E-60	122	123	99 +	701	823	2901	3023
UN01852	Rsa1.0.31152.1	1022	735	0	615	620	99 -	307	925	116	735
UN01853	Rsa1.0.00442.1	1086	84596	0	359	360	99 -	3	362	63588	63947
UN01854	Rsa1.0.00675.1	725	145590	0	445	449	99 +	4	452	45278	45726
UN01855	Rsa1.0.14950.1	843	2940	0	835	851	98 +	1	843	1295	2144
UN01856	Rsa1.0.02474.1	862	31076	1.00E-178	363	374	97 -	1	372	29475	29844
UN01857	Rsa1.0.00190.1	751	318240	0	521	551	94 -	3	549	20540	21082
UN01858	Rsa1.0.02314.1	798	32642	0	781	799	97 +	3	797	18742	19540
UN01859	Rsa1.0.02946.1	672	26537	0	470	472	99 +	185	656	26012	26483
UN01860	Rsa1.0.01136.1	678	52724	1.00E-115	213	214	99 -	249	462	49049	49262
UN01861	Rsa1.0.05122.1	1149	14791	0	379	379	100 -	411	789	7708	8086
UN01862	Rsa1.0.00133.1	785	123768	0	464	468	99 -	3	470	25129	25596
UN01863	Rsa1.0.00361.1	924	91181	1.00E-138	270	277	97 +	161	437	12174	12450
UN01864	Rsa1.0.01134.1	1198	52829	0	402	404	99 +	793	1196	43276	43679
UN01865	Rsa1.0.00363.1	494	90968	1.00E-149	298	308	96 -	10	317	22565	22872
UN01866	Rsa1.0.01319.1	979	48273	1.00E-157	355	382	92 -	596	977	10916	11279
UN01867	Rsa1.0.18598.1	763	1567	0	566	629	89 -	63	666	258	885
UN01868	Rsa1.0.02303.1	1333	32818	4.00E-32	198	240	82 +	111	350	3298	3537
UN01869	Rsa1.0.04247.1	1083	18295	0	898	971	92 +	112	1078	378	1334
UN01870	Rsa1.0.01388.1	1256	46741	0	472	474	99 -	362	835	20000	20473

UN01871	Rsa1.0.03767.1	1410	20969	0	1405	1409	99 -	1	1409	9206	10610
UN01872	Rsa1.0.00029.1	1124	272992	0	719	721	99 -	112	832	248566	249286
UN01873	Rsa1.0.00107.1	1038	431659	1.00E-154	291	295	98 +	742	1036	355792	356084
UN01874	Rsa1.0.05880.1	740	12343	0	434	446	97 -	1	446	5495	5940
UN01875	Rsa1.0.29122.1	1537	792	0	394	397	99 +	988	1384	396	792
UN01876	Rsa1.0.02787.1	922	27872	0	907	931	97 -	2	922	542	1466
UN01877	Rsa1.0.01768.1	774	138463	1.00E-174	313	314	99 -	1	314	119313	119626
UN01878	Rsa1.0.00556.1	1233	207212	1.00E-145	406	454	89 +	3	439	33418	33859
UN01879	Rsa1.0.00875.1	827	61371	0	825	844	97 -	3	827	3319	4162
UN01880	Rsa1.0.03781.1	826	20891	1.00E-119	255	267	95 -	307	570	13363	13629
UN01881	Rsa1.0.00185.1	1067	248445	0	906	970	93 -	1	960	204443	205411
UN01882	Rsa1.0.05611.1	819	13193	0	574	575	99 +	2	576	5087	5661
UN01883	Rsa1.0.01296.1	458	49035	1.00E-51	150	167	89 -	87	253	8439	8595
UN01884	Rsa1.0.00377.1	788	90038	0	423	434	97 -	3	434	12014	12443
UN01885	Rsa1.0.03964.1	1193	19835	0	873	907	96 -	293	1193	7210	8113
UN01886	Rsa1.0.01303.1	899	48853	1.00E-125	333	367	90 +	179	544	16242	16598
UN01887	Rsa1.0.00536.1	827	77199	1.00E-150	330	351	94 +	7	357	42224	42557
UN01888	Rsa1.0.00835.1	891	278058	0	574	574	100 +	3	576	138159	138732
UN01889	Rsa1.0.06253.1	911	11385	0	367	373	98 +	539	911	7588	7960
UN01890	Rsa1.0.00813.1	855	63202	1.00E-129	289	306	94 +	1	300	10858	11162
UN01891	Rsa1.0.00807.1	790	63607	7.00E-85	169	172	98 -	494	665	46630	46801
UN01892	Rsa1.0.03524.1	720	22297	0	351	353	99 +	1	353	18608	18959
UN01893	Rsa1.0.18047.1	1313	1682	0	370	371	99 -	1	370	162	532
UN01894	Rsa1.0.03602.1	777	21847	0	376	385	97 -	42	425	6953	7336
UN01895	Rsa1.0.00527.1	1119	77733	1.00E-134	345	375	92 +	228	598	54819	55189
UN01896	Rsa1.0.00157.1	542	245832	1.00E-126	241	244	98 -	1	244	5489	5730
UN01897	Rsa1.0.00481.1	709	81316	1.00E-112	236	245	96 +	20	260	36809	37051
UN01898	Rsa1.0.03236.1	732	24441	0	518	531	97 +	202	732	5413	5943
UN01899	Rsa1.0.01719.1	860	40388	0	789	810	97 +	2	810	31928	32737
UN01900	Rsa1.0.00066.1	1277	152418	1.00E-133	244	245	99 +	1	245	98253	98497
UN01901	Rsa1.0.00652.1	1111	70089	0	554	582	95 -	1	582	47920	48498
UN01902	Rsa1.0.01937.1	716	37147	1.00E-103	197	199	98 +	1	199	30210	30408
UN01903	Rsa1.0.00431.1	516	85391	0	489	509	96 -	8	516	6275	6783
UN01904	Rsa1.0.03774.1	529	20932	1.00E-123	310	335	92 +	1	323	9822	10154
UN01905	Rsa1.0.05110.1	1119	14814	1.00E-154	303	312	97 +	242	553	5291	5602
UN01906	Rsa1.0.00367.1	1076	90750	0	1068	1075	99 +	1	1075	80559	81633
UN01907	Rsa1.0.00306.1	1108	146760	0	509	519	98 -	1	517	126933	127445
UN01908	Rsa1.0.02398.1	704	31766	0	394	394	100 +	309	702	9658	10051
UN01909	Rsa1.0.01416.1	988	46262	0	442	448	98 +	3	449	21659	22105

UN01910	Rsa1.0.00182.1	1380	142305	0	1045	1061	98 -	317	1377	52241	53301
UN01911	Rsa1.0.01371.1	942	47079	0	917	942	97 +	1	942	19897	20838
UN01912	Rsa1.0.00140.1	765	121541	0	638	640	99 -	8	647	60097	60736
UN01913	Rsa1.0.00007.1	737	239325	1.00E-180	338	344	98 -	360	703	118158	118501
UN01914	Rsa1.0.00045.1	891	328694	1.00E-140	277	285	97 -	434	718	162174	162458
UN01915	Rsa1.0.00016.1	989	831256	1.00E-161	311	318	97 -	100	414	429113	429430
UN01916	Rsa1.0.00673.1	1072	69325	1.00E-16	68	74	91 -	98	171	15476	15548
UN01917	Rsa1.0.02050.1	724	35570	1.00E-141	325	346	93 -	377	721	9337	9675
UN01918	Rsa1.0.01675.1	1576	41155	1.00E-177	327	331	98 +	1242	1572	9381	9711
UN01919	Rsa1.0.06125.1	817	11680	1.00E-27	154	182	84 +	1	179	3542	3722
UN01920	Rsa1.0.00132.1	1185	124299	0	731	755	96 +	434	1185	89996	90747
UN01921	Rsa1.0.00047.1	458	168582	1.00E-91	202	211	95 +	247	456	166425	166635
UN01922	Rsa1.0.05278.1	1409	14282	0	467	475	98 +	3	476	8860	9330
UN01923	Rsa1.0.01184.1	1255	51452	1.00E-167	365	387	94 -	12	391	42359	42732
UN01924	Rsa1.0.00221.1	958	106972	4.00E-90	172	173	99 -	195	367	64560	64732
UN01925	Rsa1.0.00251.1	1004	303968	2.00E-89	177	180	98 -	707	886	126181	126360
UN01926	Rsa1.0.03809.1	1178	20731	0	771	823	93 -	1	816	19080	19901
UN01927	Rsa1.0.00273.1	769	326186	5.00E-98	212	222	95 +	286	507	308381	308602
UN01928	Rsa1.0.00139.1	946	357786	0	325	325	100 +	620	944	275224	275548
UN01929	Rsa1.0.02764.1	920	28142	0	429	439	97 -	3	439	24175	24610
UN01930	Rsa1.0.01293.1	1259	49139	1.00E-136	250	251	99 +	388	638	32799	33049
UN01931	Rsa1.0.00041.1	611	186197	1.00E-147	273	276	98 -	2	277	33784	34059
UN01932	Rsa1.0.00175.1	732	166121	0	451	461	97 -	1	461	67110	67569
UN01933	Rsa1.0.03711.1	1285	21237	1.00E-118	228	232	98 -	667	898	12134	12365
UN01934	Rsa1.0.00377.1	779	90038	0	511	528	96 +	6	530	79430	79953
UN01935	Rsa1.0.00706.1	1097	291570	0	521	528	98 -	1	527	182172	182699
UN01936	Rsa1.0.01080.1	1528	54752	0	1281	1305	98 +	1	1303	33269	34573
UN01937	Rsa1.0.05267.1	842	14319	1.00E-166	315	321	98 +	254	574	1130	1450
UN01938	Rsa1.0.00687.1	808	68494	0	686	696	98 +	3	698	42407	43102
UN01939	Rsa1.0.17040.1	568	1944	0	400	417	95 +	154	566	1207	1623
UN01940	Rsa1.0.03738.1	742	21071	0	710	749	94 -	6	742	19581	20321
UN01941	Rsa1.0.00861.1	571	61759	1.00E-126	251	256	98 +	49	302	1779	2033
UN01942	Rsa1.0.05412.1	573	13836	0	568	573	99 -	1	573	10164	10736
UN01943	Rsa1.0.33576.1	713	675	0	428	434	98 +	196	626	1	434
UN01944	Rsa1.0.00693.1	476	161311	0	460	479	96 +	1	476	47054	47526
UN01945	Rsa1.0.03488.1	1154	22556	1.00E-179	318	318	100 -	681	998	13813	14130
UN01946	Rsa1.0.05700.1	539	12886	0	376	390	96 +	80	464	3841	4229
UN01947	Rsa1.0.01174.1	863	51696	0	511	530	96 -	132	654	12826	13354
UN01948	Rsa1.0.00449.1	1296	83863	0	760	787	96 -	510	1295	40367	41153

UN01949	Rsa1.0.02431.1	689	31504	0	410	415	98 -	7	418	26607	27021
UN01950	Rsa1.0.03565.1	955	22062	1.00E-105	234	246	95 +	709	954	3911	4154
UN01951	Rsa1.0.00518.1	1246	78360	0	635	681	93 -	1	666	76228	76895
UN01952	Rsa1.0.05815.1	295	12563	5.00E-93	219	231	94 -	41	266	9748	9978
UN01953	Rsa1.0.20439.1	1148	1305	0	464	488	95 +	1	488	696	1167
UN01954	Rsa1.0.00083.1	1083	442773	0	836	839	99 -	1	839	319657	320495
UN01955	Rsa1.0.04714.1	867	146738	0	513	528	97 -	46	573	139509	140034
UN01956	Rsa1.0.00796.1	808	63997	1.00E-125	239	242	98 +	145	386	58148	58387
UN01957	Rsa1.0.01595.1	1160	175383	1.00E-161	291	292	99 -	1	292	40568	40859
UN01958	Rsa1.0.00040.1	1034	324196	0	598	640	93 -	1	629	246545	247183
UN01959	Rsa1.0.02345.1	472	32337	2.00E-77	187	200	93 -	8	198	17017	17216
UN01960	Rsa1.0.02803.1	441	27715	2.00E-56	143	152	94 -	197	347	26242	26393
UN01961	Rsa1.0.00106.1	728	133916	0	438	454	96 +	7	460	5590	6037
UN01962	Rsa1.0.00689.1	1570	68305	0	1539	1572	97 +	1	1570	33607	35176
UN01963	Rsa1.0.01046.1	966	152989	1.00E-127	280	296	94 -	71	366	139680	139965
UN01964	Rsa1.0.00039.1	892	296927	0	574	585	98 +	311	886	229887	230470
UN01965	Rsa1.0.01243.1	738	50061	0	366	366	100 -	373	738	49696	50061
UN01966	Rsa1.0.00848.1	607	152362	0	590	601	98 +	6	606	31053	31653
UN01967	Rsa1.0.00175.1	1183	166121	1.00E-158	353	374	94 +	3	373	139880	140253
UN01968	Rsa1.0.02872.1	415	27080	1.00E-133	295	312	94 +	1	312	9164	9469
UN01969	Rsa1.0.01910.1	1062	37405	0	547	555	98 -	2	555	9739	10292
UN01970	Rsa1.0.00322.1	1130	212233	1.00E-132	322	347	92 +	5	349	92240	92586
UN01971	Rsa1.0.37242.1	697	605	1.00E-156	325	337	96 +	83	413	1	337
UN01972	Rsa1.0.02146.1	781	34625	1.00E-129	318	343	92 +	1	342	30083	30420
UN01973	Rsa1.0.06482.1	911	10937	0	580	604	96 +	287	889	8154	8752
UN01974	Rsa1.0.02017.1	1442	35999	0	557	585	95 -	5	565	24178	24762
UN01975	Rsa1.0.00472.1	958	398134	1.00E-148	333	354	94 +	7	356	306510	306856
UN01976	Rsa1.0.13353.1	798	4894	1.00E-125	257	267	96 -	202	468	2419	2685
UN01977	Rsa1.0.01172.1	1197	51734	0	676	747	90 -	469	1191	42903	43637
UN01978	Rsa1.0.00162.1	1627	239935	0	502	514	97 +	822	1332	19100	19613
UN01979	Rsa1.0.03415.1	885	23117	0	844	887	95 +	1	884	20176	21060
UN01980	Rsa1.0.00281.1	587	99908	1.00E-158	323	335	96 +	5	339	68711	69044
UN01981	Rsa1.0.00022.1	884	200461	0	472	497	94 +	1	494	86012	86504
UN01982	Rsa1.0.00265.1	1175	220635	0	419	438	95 +	78	514	126859	127296
UN01983	Rsa1.0.04789.1	987	15981	0	929	969	95 -	1	962	14387	15354
UN01984	Rsa1.0.00010.1	1595	294827	0	749	833	89 +	15	825	210886	211689
UN01985	Rsa1.0.03521.1	1271	396204	1.00E-133	318	336	94 -	4	337	136464	136793
UN01986	Rsa1.0.00451.1	765	322533	1.00E-118	267	286	93 +	6	290	48180	48450
UN01987	Rsa1.0.00019.1	413	301669	1.00E-130	307	328	93 +	89	408	286292	286616

UN01988	Rsa1.0.01377.1	900	46967	0	545	558	97 +	2	557	10095	10647
UN01989	Rsa1.0.00454.1	852	216970	0	842	852	98 -	1	851	10432	11280
UN01990	Rsa1.0.00942.1	894	58873	0	442	474	93 +	1	452	21602	22075
UN01991	Rsa1.0.00017.1	1410	752458	1.00E-152	294	301	97 -	449	749	542268	542568
UN01992	Rsa1.0.03609.1	1047	21798	0	676	696	97 +	360	1046	17383	18078
UN01993	Rsa1.0.01220.1	1079	161775	1.00E-116	312	348	89 -	8	355	7326	7649
UN01994	Rsa1.0.00090.1	631	273859	0	589	641	91 -	6	631	232559	233183
UN01995	Rsa1.0.00895.1	645	60615	1.00E-168	327	335	97 -	7	341	39714	40047
UN01996	Rsa1.0.00018.1	1179	410899	0	544	549	99 -	340	887	83637	84184
UN01997	Rsa1.0.02766.1	673	28128	0	502	528	95 -	146	673	13420	13947
UN01998	Rsa1.0.04399.1	938	17543	0	414	417	99 -	13	429	12162	12578
UN01999	Rsa1.0.00119.1	876	467509	4.00E-68	159	168	94 -	464	631	403899	404066
UN02000	Rsa1.0.00175.1	1525	166121	1.00E-103	251	270	92 -	3	272	28735	28992
UN02001	Rsa1.0.00046.1	1540	320315	1.00E-136	369	406	90 -	1136	1538	124579	124974
UN02002	Rsa1.0.00130.1	1249	125737	0	586	588	99 +	661	1247	88567	89154
UN02003	Rsa1.0.00602.1	1394	73302	0	951	996	95 +	95	1086	30579	31574
UN02004	Rsa1.0.02481.1	651	31035	1.00E-128	301	324	92 +	1	324	17776	18099
UN02005	Rsa1.0.00205.1	1122	193401	1.00E-113	226	231	97 +	8	237	130115	130345
UN02006	Rsa1.0.04319.1	974	17944	9.00E-82	158	159	99 +	814	972	16954	17112
UN02007	Rsa1.0.00144.1	962	120708	0	404	411	98 -	1	407	68637	69047
UN02008	Rsa1.0.02280.1	894	33063	0	389	403	96 -	490	892	106	508
UN02009	Rsa1.0.02911.1	1463	142461	0	618	632	97 -	1	627	23404	24034
UN02010	Rsa1.0.00505.1	1239	79323	1.00E-125	237	240	98 -	839	1078	74685	74924
UN02011	Rsa1.0.03088.1	545	25476	0	400	411	97 -	1	409	507	917
UN02012	Rsa1.0.06720.1	907	10473	0	698	719	97 +	145	860	3962	4677
UN02013	Rsa1.0.03436.1	671	22958	0	500	526	95 +	48	573	3709	4216
UN02014	Rsa1.0.07381.1	913	9488	0	906	912	99 +	1	911	8152	9063
UN02015	Rsa1.0.00923.1	1052	153678	1.00E-159	297	301	98 -	3	303	21396	21696
UN02016	Rsa1.0.01700.1	944	40745	0	920	942	97 -	3	943	18560	19501
UN02017	Rsa1.0.00077.1	1067	145005	1.00E-150	308	321	95 +	2	317	75404	75724
UN02018	Rsa1.0.00773.1	1403	64839	0	1272	1334	95 -	73	1395	8132	9456
UN02019	Rsa1.0.00009.1	2096	232558	0	658	676	97 +	1281	1956	164054	164723
UN02020	Rsa1.0.14271.1	1381	3591	0	1012	1055	95 +	2	1056	2537	3591
UN02021	Rsa1.0.00056.1	866	332604	1.00E-159	395	433	91 +	451	866	206057	206478
UN02022	Rsa1.0.04734.1	349	16184	1.00E-177	342	350	97 -	1	349	4018	4367
UN02023	Rsa1.0.00330.1	1251	94666	0	1202	1263	95 -	1	1247	34830	36092
UN02024	Rsa1.0.05730.1	1127	12798	1.00E-34	153	178	85 -	439	616	12287	12461
UN02025	Rsa1.0.00240.1	2114	104175	0	1039	1045	99 -	1075	2113	72543	73587
UN02026	Rsa1.0.00321.1	917	95671	0	352	354	99 -	1	353	40671	41024

UN02027	Rsa1.0.01140.1	1288	52586	1.00E-172	336	344	97 +	946	1286	33897	34238
UN02028	Rsa1.0.00059.1	1127	159650	1.00E-119	252	260	96 -	869	1127	147770	148025
UN02029	Rsa1.0.00870.1	548	61606	0	451	470	95 +	3	470	26357	26825
UN02030	Rsa1.0.01269.1	720	49622	0	673	693	97 +	28	720	13153	13844
UN02031	Rsa1.0.00071.1	972	345714	1.00E-172	365	382	95 -	591	972	71154	71533
UN02032	Rsa1.0.11907.1	830	5374	0	437	455	96 -	1	455	1101	1551
UN02033	Rsa1.0.02051.1	748	35564	1.00E-129	305	324	94 +	3	319	22594	22913
UN02034	Rsa1.0.00102.1	1121	135497	0	946	975	97 -	154	1120	60039	61013
UN02035	Rsa1.0.00294.1	1119	144860	0	360	367	98 -	2	368	68768	69134
UN02036	Rsa1.0.00123.1	1022	325650	0	633	647	97 +	296	942	272132	272778
UN02037	Rsa1.0.06019.1	1433	11916	0	567	571	99 +	171	740	1918	2488
UN02038	Rsa1.0.01228.1	545	50238	0	349	352	99 -	194	545	1700	2051
UN02039	Rsa1.0.03394.1	731	23247	0	375	391	95 -	54	443	1931	2321
UN02040	Rsa1.0.28959.1	789	798	0	513	530	96 +	3	532	273	798
UN02041	Rsa1.0.00703.1	1158	67597	0	412	421	97 -	738	1158	30616	31035
UN02042	Rsa1.0.00857.1	972	61904	0	607	640	94 +	2	638	44482	45110
UN02043	Rsa1.0.02159.1	634	34471	0	535	540	99 -	1	540	32493	33028
UN02044	Rsa1.0.00121.1	589	278029	6.00E-88	171	173	98 +	240	412	263661	263833
UN02045	Rsa1.0.03297.1	680	23969	0	473	478	98 +	3	476	8203	8680
UN02046	Rsa1.0.02400.1	555	31750	0	541	555	97 +	1	555	12369	12910
UN02047	Rsa1.0.01431.1	1140	167877	2.00E-79	163	167	97 +	445	611	16242	16408
UN02048	Rsa1.0.04139.1	707	18883	1.00E-110	375	429	87 -	287	704	13205	13619
UN02049	Rsa1.0.02347.1	1355	32332	0	355	356	99 -	2	356	25631	25986
UN02050	Rsa1.0.05547.1	1159	13369	0	564	583	96 +	578	1159	919	1489
UN02051	Rsa1.0.06578.1	1545	10726	0	486	486	100 -	1060	1545	1059	1544
UN02052	Rsa1.0.00142.1	867	121474	0	430	450	95 +	368	812	62984	63430
UN02053	Rsa1.0.05737.1	813	12778	1.00E-174	442	474	93 +	349	813	307	776
UN02054	Rsa1.0.00336.1	764	445051	0	392	412	95 -	3	413	161052	161459
UN02055	Rsa1.0.34294.1	1470	660	1.00E-173	318	321	99 -	1075	1395	1	321
UN02056	Rsa1.0.03028.1	1061	25872	1.00E-159	285	285	100 -	704	988	20174	20458
UN02057	Rsa1.0.00694.1	1454	68074	1.00E-125	228	228	100 +	1227	1454	4300	4527
UN02058	Rsa1.0.00377.1	958	90038	0	490	503	97 -	1	502	80774	81276
UN02059	Rsa1.0.00088.1	1076	141341	0	694	716	96 +	1	711	45804	46517
UN02060	Rsa1.0.00039.1	1265	296927	8.00E-86	180	186	96 +	842	1027	113194	113379
UN02061	Rsa1.0.00119.1	1103	467509	0	377	377	100 -	727	1103	107065	107441
UN02062	Rsa1.0.16460.1	739	2148	0	564	582	96 +	151	729	1	582
UN02063	Rsa1.0.03024.1	841	25931	1.00E-119	295	322	91 +	125	437	25281	25593
UN02064	Rsa1.0.03357.1	1598	23478	0	554	560	98 +	1042	1598	19472	20031
UN02065	Rsa1.0.00291.1	774	172129	0	739	773	95 +	1	770	31588	32350

UN02066	Rsa1.0.02012.1	651	36084	0	531	537	98 -	3	539	20591	21127
UN02067	Rsa1.0.14744.1	834	3111	1.00E-151	426	475	89 -	337	809	724	1198
UN02068	Rsa1.0.01431.1	720	167877	1.00E-178	371	386	96 +	340	720	12009	12393
UN02069	Rsa1.0.00100.1	1287	249232	1.00E-173	373	392	95 +	896	1286	179062	179452
UN02070	Rsa1.0.00449.1	701	83863	0	693	700	99 +	2	701	40332	41031
UN02071	Rsa1.0.13356.1	335	4890	2.00E-12	89	106	83 -	65	170	110	215
UN02072	Rsa1.0.01154.1	623	52249	0	348	351	99 -	274	623	3672	4022
UN02073	Rsa1.0.00437.1	553	84879	1.00E-128	253	260	97 +	294	553	54610	54869
UN02074	Rsa1.0.03191.1	1128	145762	0	902	910	99 +	222	1128	137789	138697
UN02075	Rsa1.0.27709.1	1537	842	0	834	841	99 -	630	1468	2	842
UN02076	Rsa1.0.01104.1	1112	285480	1.00E-166	402	439	91 +	3	426	266546	266983
UN02077	Rsa1.0.00998.1	1118	57168	0	368	373	98 +	747	1118	31843	32214
UN02078	Rsa1.0.00492.1	1382	80178	0	400	406	98 +	694	1099	70497	70900
UN02079	Rsa1.0.01081.1	466	499226	0	460	465	98 -	2	466	42806	43270
UN02080	Rsa1.0.08143.1	1233	7836	0	1166	1266	92 -	5	1232	3715	4965
UN02081	Rsa1.0.00094.1	722	139042	0	365	372	98 -	353	722	77038	77409
UN02082	Rsa1.0.00373.1	1218	90296	0	780	802	97 -	415	1216	79717	80516
UN02083	Rsa1.0.01071.1	1113	166914	0	358	366	97 -	748	1113	14042	14407
UN02084	Rsa1.0.03439.1	651	22930	1.00E-152	320	333	96 +	327	651	21322	21650
UN02085	Rsa1.0.00342.1	1571	93695	0	1550	1575	98 +	3	1571	49202	50776
UN02086	Rsa1.0.02675.1	724	28852	2.00E-72	142	143	99 -	334	476	17929	18071
UN02087	Rsa1.0.05815.1	1039	12563	0	458	493	92 +	150	631	8659	9149
UN02088	Rsa1.0.01539.1	1248	43698	0	653	692	94 +	563	1247	4615	5296
UN02089	Rsa1.0.00968.1	1106	58020	0	423	432	97 -	295	726	51850	52281
UN02090	Rsa1.0.00905.1	997	60110	0	931	941	98 -	56	996	7778	8718
UN02091	Rsa1.0.34683.1	956	653	1.00E-108	199	199	100 +	758	956	270	468
UN02092	Rsa1.0.01034.1	1294	56046	0	730	757	96 +	238	994	19416	20172
UN02093	Rsa1.0.09707.1	697	6199	1.00E-156	304	311	97 +	389	697	946	1256
UN02094	Rsa1.0.02803.1	738	27715	1.00E-106	309	346	89 -	181	523	8863	9208
UN02095	Rsa1.0.00273.1	758	326186	0	440	458	96 +	3	449	123679	124133
UN02096	Rsa1.0.01682.1	699	41090	1.00E-123	260	268	97 +	3	270	38026	38290
UN02097	Rsa1.0.02513.1	816	30643	0	418	424	98 +	3	426	9835	10256
UN02098	Rsa1.0.01719.1	576	40388	1.00E-109	209	212	98 +	365	576	30549	30760
UN02099	Rsa1.0.02548.1	1096	30228	0	366	372	98 +	729	1096	10107	10478
UN02100	Rsa1.0.11534.1	1079	5477	0	1006	1047	96 +	2	1039	674	1720
UN02101	Rsa1.0.01592.1	938	42685	1.00E-150	277	278	99 +	661	938	40225	40501
UN02102	Rsa1.0.01263.1	947	49703	1.00E-113	280	301	93 -	628	922	30578	30878
UN02103	Rsa1.0.00055.1	839	520193	1.00E-86	189	197	95 +	2	195	87168	87364
UN02104	Rsa1.0.01339.1	1347	47813	0	375	388	96 +	965	1347	29690	30077

UN02105	Rsa1.0.00420.1	864	86496	1.00E-154	276	276	100 +	1	276	42749	43024
UN02106	Rsa1.0.02345.1	785	32337	1.00E-104	293	324	90 +	465	785	15392	15705
UN02107	Rsa1.0.01792.1	505	39227	1.00E-152	339	359	94 -	150	505	7076	7434
UN02108	Rsa1.0.02851.1	1199	27295	0	354	362	97 -	844	1197	8835	9196
UN02109	Rsa1.0.04784.1	849	15995	0	642	665	96 -	192	848	9057	9721
UN02110	Rsa1.0.00628.1	1618	214360	0	453	459	98 +	263	721	201979	202437
UN02111	Rsa1.0.00097.1	758	138858	0	655	678	96 +	68	742	29953	30621
UN02112	Rsa1.0.02660.1	691	28969	0	682	691	98 -	1	690	17619	18309
UN02113	Rsa1.0.00676.1	1228	69166	0	496	519	95 -	184	699	54623	55138
UN02114	Rsa1.0.00336.1	1016	445051	1.00E-117	318	354	89 -	667	1016	162016	162354
UN02115	Rsa1.0.00949.1	1471	58549	1.00E-173	415	446	93 -	284	720	15414	15851
UN02116	Rsa1.0.03418.1	919	147293	1.00E-143	258	258	100 -	660	917	10080	10337
UN02117	Rsa1.0.01591.1	878	42718	0	452	452	100 -	3	454	24117	24568
UN02118	Rsa1.0.04065.1	1834	19275	0	379	382	99 +	1452	1833	3173	3553
UN02119	Rsa1.0.01081.1	916	499226	1.00E-162	310	316	98 -	604	916	16506	16821
UN02120	Rsa1.0.00512.1	639	200277	1.00E-107	225	234	96 +	4	237	194182	194415
UN02121	Rsa1.0.01282.1	1084	49304	2.00E-49	119	125	95 -	513	637	33427	33551
UN02122	Rsa1.0.07504.1	879	9237	1.00E-173	311	312	99 -	568	879	7983	8294
UN02123	Rsa1.0.14203.1	1181	3670	0	433	441	98 +	336	776	1903	2342
UN02124	Rsa1.0.16020.1	1461	2321	1.00E-173	350	361	96 -	1	359	1410	1770
UN02125	Rsa1.0.03415.1	1169	23117	0	762	798	95 -	385	1169	21162	21959
UN02126	Rsa1.0.00088.1	957	141341	1.00E-136	274	282	97 +	675	956	108001	108281
UN02127	Rsa1.0.02221.1	991	33796	0	526	541	97 -	3	543	18658	19197
UN02128	Rsa1.0.01836.1	722	38503	0	368	377	97 +	3	379	1705	2078
UN02129	Rsa1.0.00836.1	1058	185968	1.00E-132	297	313	94 -	747	1053	17849	18161
UN02130	Rsa1.0.03569.1	614	22041	2.00E-75	212	228	92 +	388	614	10002	10225
UN02131	Rsa1.0.09769.1	1185	6159	0	487	531	91 -	530	1059	3945	4475
UN02132	Rsa1.0.00082.1	1033	237584	1.00E-131	310	330	93 -	705	1032	14748	15066
UN02133	Rsa1.0.00226.1	816	105884	1.00E-175	321	324	99 -	151	474	22862	23185
UN02134	Rsa1.0.00206.1	479	109040	1.00E-125	293	312	93 -	171	479	74215	74522
UN02135	Rsa1.0.01413.1	941	46275	1.00E-139	514	602	85 +	82	677	20235	20836
UN02136	Rsa1.0.04282.1	750	18100	0	437	450	97 +	302	750	17329	17778
UN02137	Rsa1.0.00965.1	552	58139	8.00E-53	112	114	98 +	98	211	9005	9118
UN02138	Rsa1.0.05890.1	625	12317	5.00E-70	215	240	89 -	404	625	739	976
UN02139	Rsa1.0.02471.1	797	31104	1.00E-122	244	250	97 +	200	449	17799	18047
UN02140	Rsa1.0.00706.1	1068	291570	0	432	451	95 +	3	453	244671	245121
UN02141	Rsa1.0.02605.1	634	29637	1.00E-67	223	247	90 +	396	633	13844	14084
UN02142	Rsa1.0.00090.1	612	273859	0	420	444	94 +	169	612	231858	232289
UN02143	Rsa1.0.04203.1	960	18479	0	445	461	96 -	3	463	17886	18342

UN02144	Rsa1.0_00416.1	943	86772	1.00E-166	366	387	94 +	556	941	50850	51234
UN02145	Rsa1.0_10577.1	834	5796	0	486	488	99 +	346	833	535	1022
UN02146	Rsa1.0_05864.1	1150	12387	1.00E-147	354	381	92 -	11	383	11077	11443
UN02147	Rsa1.0_04188.1	1184	18586	0	1183	1185	99 -	1	1184	6452	7636
UN02148	Rsa1.0_54279.1	1189	420	0	420	420	100 +	514	933	1	420
UN02149	Rsa1.0_01895.1	1247	37512	0	1027	1050	97 +	198	1247	23772	24821
UN02150	Rsa1.0_02099.1	652	35030	0	640	643	99 +	4	646	9869	10511
UN02151	Rsa1.0_00067.1	1742	415055	0	421	443	95 -	1313	1742	46411	46853
UN02152	Rsa1.0_00451.1	949	322533	0	925	950	97 -	1	949	153403	154352
UN02153	Rsa1.0_01293.1	1217	49139	0	997	1029	96 +	172	1200	2686	3713
UN02154	Rsa1.0_00296.1	711	97854	0	710	711	99 +	1	711	80056	80766
UN02155	Rsa1.0_00082.1	896	237584	0	485	497	97 +	123	619	227517	228013
UN02156	Rsa1.0_00163.1	1101	116847	1.00E-149	268	268	100 +	693	960	62264	62531
UN02157	Rsa1.0_00530.1	1009	77389	0	516	524	98 -	3	524	15978	16501
UN02158	Rsa1.0_03292.1	600	23977	1.00E-161	319	328	97 +	2	329	7755	8081
UN02159	Rsa1.0_02222.1	682	152798	0	381	386	98 -	3	388	12231	12613
UN02160	Rsa1.0_00810.1	490	63289	1.00E-88	239	268	89 -	222	489	18821	19064
UN02161	Rsa1.0_00600.1	745	73395	0	463	472	98 +	274	745	68561	69025
UN02162	Rsa1.0_02080.1	735	35297	0	598	615	97 -	10	620	13926	14540
UN02163	Rsa1.0_03672.1	856	21452	1.00E-61	148	157	94 +	248	404	6740	6896
UN02164	Rsa1.0_01924.1	927	37226	0	442	446	99 +	482	927	23204	23649
UN02165	Rsa1.0_06720.1	1379	10473	0	837	886	94 -	470	1349	4306	5191
UN02166	Rsa1.0_00911.1	1392	59943	0	635	636	99 +	3	637	14801	15436
UN02167	Rsa1.0_00341.1	1406	249309	0	1007	1054	95 -	363	1405	209413	210459
UN02168	Rsa1.0_00031.1	1214	179862	0	492	492	100 +	723	1214	72788	73279
UN02169	Rsa1.0_00306.1	973	146760	0	428	459	93 -	533	973	5781	6239
UN02170	Rsa1.0_00325.1	1232	95371	1.00E-105	256	276	92 +	288	563	79215	79487
UN02171	Rsa1.0_02446.1	823	31330	0	662	670	98 -	2	671	3867	4536
UN02172	Rsa1.0_02365.1	670	32118	1.00E-83	222	239	92 +	425	660	16962	17196
UN02173	Rsa1.0_00016.1	931	831256	0	447	463	96 +	3	458	264139	264600
UN02174	Rsa1.0_04243.1	991	18321	0	658	679	96 -	314	990	12991	13668
UN02175	Rsa1.0_00016.1	921	831256	1.00E-167	340	353	96 +	1	350	809657	810009
UN02176	Rsa1.0_00171.1	1218	115622	0	941	977	96 +	2	966	78507	79481
UN02177	Rsa1.0_01182.1	1046	167304	0	503	504	99 +	369	872	165655	166158
UN02178	Rsa1.0_00782.1	958	64468	1.00E-113	298	328	90 -	1	328	53873	54200
UN02179	Rsa1.0_13580.1	688	4711	2.00E-81	166	170	97 -	228	397	4004	4173
UN02180	Rsa1.0_00245.1	1250	103569	0	511	527	96 -	722	1248	100095	100620
UN02181	Rsa1.0_00607.1	1500	73146	0	574	574	100 -	564	1137	21023	21596
UN02182	Rsa1.0_00065.1	495	454616	1.00E-165	315	319	98 -	11	329	448185	448501

UN02183	Rsa1.0.00168.1	485	115870	1.00E-167	356	374	95 +	2	374	90845	91213
UN02184	Rsa1.0.00237.1	945	235974	2.00E-88	202	214	94 -	625	838	4758	4971
UN02185	Rsa1.0.02365.1	1134	32118	0	567	607	93 +	2	607	29263	29863
UN02186	Rsa1.0.00867.1	686	61635	1.00E-104	225	233	96 +	39	270	24840	25071
UN02187	Rsa1.0.05127.1	829	147533	0	828	829	99 -	1	829	8292	9119
UN02188	Rsa1.0.00817.1	1163	62961	0	424	431	98 -	1	431	37547	37977
UN02189	Rsa1.0.00838.1	761	153820	0	573	600	95 -	95	691	32152	32748
UN02190	Rsa1.0.04835.1	1049	15766	0	427	438	97 +	1	438	9141	9578
UN02191	Rsa1.0.00878.1	978	330303	1.00E-116	212	212	100 +	765	976	327480	327691
UN02192	Rsa1.0.00131.1	1229	432233	0	488	513	95 -	79	591	289092	289601
UN02193	Rsa1.0.44391.1	839	507	1.00E-137	322	341	94 -	1	329	1	340
UN02194	Rsa1.0.00773.1	997	64839	1.00E-121	300	322	93 -	660	972	10122	10440
UN02195	Rsa1.0.04085.1	824	19168	7.00E-76	195	205	95 +	10	209	1697	1901
UN02196	Rsa1.0.02012.1	1338	36084	1.00E-149	309	325	95 -	1012	1336	15975	16286
UN02197	Rsa1.0.01674.1	867	168300	0	820	864	94 -	1	864	17121	17984
UN02198	Rsa1.0.04110.1	718	18998	1.00E-111	249	264	94 -	453	716	4839	5102
UN02199	Rsa1.0.05766.1	838	12708	1.00E-152	282	285	98 +	3	287	7055	7339
UN02200	Rsa1.0.00006.1	1406	396176	6.00E-28	137	161	85 -	1089	1249	17231	17391
UN02201	Rsa1.0.00211.1	1007	228189	0	990	1012	97 -	1	1006	168784	169795
UN02202	Rsa1.0.01907.1	841	37431	1.00E-126	259	268	96 -	452	719	22948	23212
UN02203	Rsa1.0.05382.1	1001	13963	0	394	411	95 +	447	857	423	833
UN02204	Rsa1.0.00876.1	1249	61328	0	1023	1079	94 +	1	1073	8255	9332
UN02205	Rsa1.0.03366.1	416	23401	2.00E-65	151	158	95 -	142	299	21234	21389
UN02206	Rsa1.0.00527.1	1027	77733	1.00E-126	284	301	94 +	437	734	58084	58381
UN02207	Rsa1.0.01674.1	826	168300	1.00E-142	283	291	97 +	30	320	3324	3611
UN02208	Rsa1.0.00744.1	683	66084	1.00E-157	367	390	94 -	1	374	53238	53625
UN02209	Rsa1.0.00043.1	832	264937	0	788	822	95 +	12	830	88499	89313
UN02210	Rsa1.0.00111.1	1078	390088	1.00E-138	253	254	99 +	723	976	349143	349396
UN02211	Rsa1.0.00018.1	1269	410899	0	898	940	95 +	1	936	79091	80027
UN02212	Rsa1.0.00517.1	826	142790	3.00E-81	208	224	92 -	606	825	113495	113713
UN02213	Rsa1.0.01294.1	1280	49090	1.00E-172	356	371	95 +	10	379	42100	42470
UN02214	Rsa1.0.02969.1	1126	26390	0	498	532	93 -	5	523	6035	6560
UN02215	Rsa1.0.00030.1	974	250988	0	504	549	91 +	234	768	212998	213530
UN02216	Rsa1.0.00706.1	1269	291570	0	1221	1262	96 +	6	1267	60183	61440
UN02217	Rsa1.0.00505.1	1206	79323	1.00E-118	282	298	94 -	2	297	76389	76680
UN02218	Rsa1.0.07450.1	1062	9373	0	497	543	91 -	1	532	2274	2813
UN02219	Rsa1.0.07213.1	869	9711	0	837	864	96 +	12	869	4293	5156
UN02220	Rsa1.0.00257.1	828	102407	1.00E-171	367	388	94 -	5	392	57801	58188
UN02221	Rsa1.0.04323.1	1059	17915	1.00E-99	260	281	92 +	9	287	13905	14184

UN02222	Rsa1.0.01371.1	1241	47079	0	865	960	90 -	28	985	42892	43850
UN02223	Rsa1.0.01563.1	913	170823	1.00E-119	241	249	96 -	376	624	38793	39041
UN02224	Rsa1.0.00253.1	1081	231292	0	404	419	96 +	55	473	204548	204960
UN02225	Rsa1.0.04224.1	906	18402	1.00E-168	334	343	97 -	1	342	704	1045
UN02226	Rsa1.0.06762.1	1173	10401	0	535	546	97 +	451	996	4911	5456
UN02227	Rsa1.0.01341.1	1176	47764	0	383	398	96 +	1	398	226	618
UN02228	Rsa1.0.00017.1	361	752458	1.00E-139	333	359	92 +	3	361	369612	369969
UN02229	Rsa1.0.04161.1	590	18788	1.00E-144	268	271	98 -	183	453	9629	9899
UN02230	Rsa1.0.01375.1	854	47038	2.00E-94	199	204	97 +	113	316	11241	11442
UN02231	Rsa1.0.02586.1	793	29856	0	661	675	97 -	62	736	15528	16201
UN02232	Rsa1.0.06073.1	1337	11807	0	647	664	97 -	12	675	4362	5024
UN02233	Rsa1.0.74475.1	1479	308	1.00E-114	266	285	93 +	5	285	30	308
UN02234	Rsa1.0.00009.1	701	232558	0	684	696	98 +	6	701	130900	131595
UN02235	Rsa1.0.09048.1	746	6683	0	640	670	95 +	76	738	5245	5913
UN02236	Rsa1.0.07909.1	535	8315	1.00E-156	313	324	96 -	209	532	6038	6361
UN02237	Rsa1.0.04411.1	1115	142979	1.00E-145	261	261	100 +	852	1112	137462	137722
UN02238	Rsa1.0.04563.1	590	16837	1.00E-152	327	344	95 +	1	344	1547	1889
UN02239	Rsa1.0.04651.1	963	16516	1.00E-101	206	212	97 +	708	919	14952	15163
UN02240	Rsa1.0.00301.1	642	365315	0	468	490	95 -	123	612	27314	27803
UN02241	Rsa1.0.01236.1	607	50156	1.00E-101	279	309	90 -	7	297	1967	2275
UN02242	Rsa1.0.03290.1	1271	24011	1.00E-176	351	363	96 +	3	362	7193	7555
UN02243	Rsa1.0.00283.1	1076	183797	1.00E-122	334	376	88 -	720	1074	10947	11313
UN02244	Rsa1.0.00079.1	1270	606987	0	770	771	99 +	500	1270	4648	5418
UN02245	Rsa1.0.02871.1	761	27085	3.00E-99	187	188	99 -	227	414	17885	18072
UN02246	Rsa1.0.00469.1	625	82084	0	494	506	97 +	35	539	20501	21002
UN02247	Rsa1.0.04455.1	1214	17266	1.00E-166	392	419	93 +	805	1212	12968	13386
UN02248	Rsa1.0.00187.1	1585	393093	0	448	456	98 -	1134	1585	155736	156191
UN02249	Rsa1.0.00526.1	562	169279	1.00E-149	321	339	94 -	224	562	148192	148530
UN02250	Rsa1.0.05653.1	1062	13043	0	982	1048	93 +	16	1060	11416	12437
UN02251	Rsa1.0.00633.1	948	71250	0	524	524	100 -	1	524	24436	24959
UN02252	Rsa1.0.08154.1	609	7823	1.00E-92	194	201	96 -	255	455	5891	6091
UN02253	Rsa1.0.01265.1	1165	49686	0	979	1124	87 +	5	1120	36157	37250
UN02254	Rsa1.0.00377.1	1034	90038	1.00E-148	332	353	94 +	121	473	46253	46603
UN02255	Rsa1.0.00219.1	721	106983	1.00E-110	243	254	95 +	1	252	29610	29862
UN02256	Rsa1.0.00342.1	1415	93695	0	686	736	93 +	11	732	12438	13164
UN02257	Rsa1.0.00344.1	815	191774	0	746	812	91 +	20	810	128705	129513
UN02258	Rsa1.0.14565.1	674	3261	4.00E-18	164	199	82 -	414	610	1394	1585
UN02259	Rsa1.0.00855.1	454	62047	0	434	453	95 -	1	453	42812	43250
UN02260	Rsa1.0.00376.1	925	90101	0	323	323	100 +	603	925	34364	34686

UN02261	Rsa1.0.00065.1	920	454616	1.00E-130	296	312	94 -	1	309	414187	414497
UN02262	Rsa1.0.03244.1	937	24413	0	412	439	93 -	500	926	10841	11276
UN02263	Rsa1.0.06102.1	1395	11740	1.00E-118	264	280	94 +	452	720	5202	5481
UN02264	Rsa1.0.00111.1	1670	390088	0	921	984	93 -	248	1212	56276	57249
UN02265	Rsa1.0.15326.1	738	2683	0	678	680	99 +	14	693	659	1338
UN02266	Rsa1.0.09314.1	1036	6461	0	603	629	95 -	412	1036	4153	4776
UN02267	Rsa1.0.01143.1	777	52456	0	387	392	98 -	1	392	6081	6472
UN02268	Rsa1.0.00556.1	785	207212	0	352	360	97 -	337	696	52529	52888
UN02269	Rsa1.0.00616.1	933	195713	0	346	351	98 -	448	798	158877	159227
UN02270	Rsa1.0.07208.1	1237	9719	0	389	393	98 -	845	1237	7601	7993
UN02271	Rsa1.0.00387.1	1290	495407	0	688	718	95 +	573	1287	377227	377943
UN02272	Rsa1.0.02660.1	988	28969	0	459	464	98 -	1	464	26558	27021
UN02273	Rsa1.0.00064.1	686	240927	1.00E-124	264	272	97 -	1	266	60195	60466
UN02274	Rsa1.0.76117.1	608	301	1.00E-113	264	279	94 +	1	271	24	301
UN02275	Rsa1.0.00179.1	799	393324	0	481	489	98 +	302	790	360380	360868
UN02276	Rsa1.0.00446.1	921	167829	0	611	630	96 +	4	620	104797	105424
UN02277	Rsa1.0.01300.1	717	48942	1.00E-131	274	285	96 +	13	297	47254	47536
UN02278	Rsa1.0.24087.1	1030	1008	0	502	544	92 +	494	1028	238	781
UN02279	Rsa1.0.02939.1	1115	26595	1.00E-114	219	222	98 -	681	902	3410	3631
UN02280	Rsa1.0.18568.1	1185	1573	8.00E-92	256	285	89 -	817	1084	453	736
UN02281	Rsa1.0.03241.1	1116	24423	0	924	1014	91 +	43	1041	5633	6646
UN02282	Rsa1.0.10032.1	890	6032	0	490	490	100 -	1	490	4495	4984
UN02283	Rsa1.0.01411.1	909	46326	0	383	397	96 +	2	398	6377	6771
UN02284	Rsa1.0.09091.1	796	6656	0	783	797	98 -	1	796	2338	3134
UN02285	Rsa1.0.02210.1	1303	33857	0	460	489	94 -	837	1303	22536	23023
UN02286	Rsa1.0.00446.1	1179	167829	2.00E-61	121	121	100 -	724	844	159190	159310
UN02287	Rsa1.0.00178.1	983	114861	0	936	988	94 +	1	980	82214	83200
UN02288	Rsa1.0.00007.1	971	239325	2.00E-70	160	167	95 -	687	853	12607	12771
UN02289	Rsa1.0.00096.1	1606	198773	0	786	787	99 -	737	1523	117615	118401
UN02290	Rsa1.0.00010.1	1025	294827	1.00E-165	447	491	91 -	537	1024	81154	81627
UN02291	Rsa1.0.00453.1	1355	83031	1.00E-127	274	286	95 -	1069	1353	79184	79466
UN02292	Rsa1.0.00070.1	864	150321	0	443	448	98 -	14	461	55838	56285
UN02293	Rsa1.0.01945.1	1083	36989	1.00E-169	359	373	96 -	1	368	6140	6507
UN02294	Rsa1.0.37056.1	1146	608	0	390	406	96 -	748	1144	34	439
UN02295	Rsa1.0.02937.1	937	26605	1.00E-159	310	317	97 -	61	377	26140	26455
UN02296	Rsa1.0.07693.1	890	8776	0	367	376	97 +	206	581	7062	7437
UN02297	Rsa1.0.02622.1	1162	142402	0	647	669	96 -	3	670	9528	10196
UN02298	Rsa1.0.00476.1	463	280966	1.00E-111	287	311	92 +	5	312	236919	237223
UN02299	Rsa1.0.00470.1	657	81968	1.00E-159	359	381	94 +	1	381	27995	28369

UN02300	Rsa1.0_01987.1	947	36446	0	895	949	94 -	5	945	14414	15341
UN02301	Rsa1.0_00419.1	1085	86562	1.00E-148	321	338	94 -	1	333	53124	53460
UN02302	Rsa1.0_00079.1	536	606987	1.00E-135	341	370	92 +	11	370	83974	84338
UN02303	Rsa1.0_03566.1	1072	22050	0	605	628	96 -	2	621	7757	8382
UN02304	Rsa1.0_13204.1	891	4970	1.00E-161	321	330	97 -	3	331	777	1103
UN02305	Rsa1.0_00571.1	970	329018	0	488	500	97 -	469	968	156814	157313
UN02306	Rsa1.0_03016.1	406	26000	1.00E-177	386	408	94 +	1	404	5053	5460
UN02307	Rsa1.0_01046.1	1018	152989	1.00E-160	311	319	97 +	213	531	127932	128250
UN02308	Rsa1.0_01679.1	1021	146876	4.00E-87	230	249	92 +	80	323	135000	135247
UN02309	Rsa1.0_02456.1	706	31222	9.00E-78	218	237	91 +	21	249	23772	24004
UN02310	Rsa1.0_02400.1	738	31750	1.00E-132	268	276	97 -	253	527	4467	4742
UN02311	Rsa1.0_02922.1	1370	26753	0	1198	1215	98 -	1	1208	1658	2872
UN02312	Rsa1.0_03149.1	448	24983	1.00E-117	256	270	94 +	1	270	15431	15700
UN02313	Rsa1.0_14292.1	1355	3569	0	486	500	97 -	832	1331	1	500
UN02314	Rsa1.0_00227.1	991	105849	1.00E-178	327	329	99 +	661	989	2883	3210
UN02315	Rsa1.0_00341.1	779	249309	1.00E-106	218	224	97 -	541	763	122671	122894
UN02316	Rsa1.0_01357.1	987	47280	1.00E-142	272	277	98 -	706	982	2515	2791
UN02317	Rsa1.0_06701.1	1054	10514	0	508	526	96 -	466	986	707	1232
UN02318	Rsa1.0_01453.1	990	45449	1.00E-110	318	361	88 -	650	981	25082	25442
UN02319	Rsa1.0_01042.1	941	293264	0	532	557	95 +	364	917	141476	142031
UN02320	Rsa1.0_00094.1	1177	139042	1.00E-175	354	364	97 -	1	363	5876	6237
UN02321	Rsa1.0_00642.1	764	201230	1.00E-107	213	218	97 +	48	265	196262	196479
UN02322	Rsa1.0_02444.1	1482	31350	0	1446	1481	97 -	5	1479	21304	22778
UN02323	Rsa1.0_71705.1	1079	320	4.00E-84	226	245	92 +	1	235	80	319
UN02324	Rsa1.0_00197.1	1384	109714	0	860	893	96 -	491	1382	22224	23109
UN02325	Rsa1.0_00016.1	1214	831256	1.00E-139	306	321	95 +	157	475	353893	354210
UN02326	Rsa1.0_06955.1	811	10111	0	381	391	97 +	230	620	7836	8226
UN02327	Rsa1.0_00002.1	1362	601661	0	872	908	96 +	445	1349	145814	146721
UN02328	Rsa1.0_02070.1	1238	158516	0	622	641	97 +	3	636	8444	9081
UN02329	Rsa1.0_00265.1	878	220635	1.00E-105	194	194	100 +	504	697	147088	147281
UN02330	Rsa1.0_13580.1	791	4711	3.00E-84	168	171	98 -	619	789	2294	2464
UN02331	Rsa1.0_02400.1	899	31750	0	675	724	93 -	19	711	4467	5190
UN02332	Rsa1.0_11795.1	926	5406	1.00E-110	235	246	95 -	246	491	5051	5296
UN02333	Rsa1.0_02041.1	548	163634	0	424	434	97 -	115	548	157407	157838
UN02334	Rsa1.0_01123.1	893	53359	0	461	486	94 -	42	526	21946	22422
UN02335	Rsa1.0_00131.1	1174	432233	0	393	396	99 +	360	755	194264	194659
UN02336	Rsa1.0_00971.1	1049	57973	0	676	703	96 +	352	1047	14832	15533
UN02337	Rsa1.0_00007.1	1310	239325	0	554	580	95 +	733	1309	58424	58999
UN02338	Rsa1.0_01819.1	1604	38834	1.00E-134	247	248	99 -	1357	1604	26434	26681

UN02339	Rsa1.0.00657.1	1236	69858	1.00E-157	307	313	98 +	925	1236	9457	9768
UN02340	Rsa1.0.04128.1	820	18927	1.00E-80	197	208	94 +	4	208	10980	11186
UN02341	Rsa1.0.00181.1	1967	114269	0	961	990	97 -	6	994	94058	95036
UN02342	Rsa1.0.00017.1	887	752458	1.00E-173	361	377	95 +	5	380	40792	41168
UN02343	Rsa1.0.01245.1	1363	149868	0	539	578	93 -	3	577	37644	38206
UN02344	Rsa1.0.03880.1	1213	20293	1.00E-136	307	322	95 +	816	1132	19678	19999
UN02345	Rsa1.0.01405.1	811	46445	1.00E-103	205	210	97 -	219	428	39329	39538
UN02346	Rsa1.0.04456.1	709	17260	7.00E-91	213	225	94 +	426	649	7706	7928
UN02347	Rsa1.0.03069.1	1256	25615	0	539	568	94 -	355	921	18568	19131
UN02348	Rsa1.0.03490.1	1177	22545	0	681	706	96 -	149	853	13983	14688
UN02349	Rsa1.0.00108.1	925	478491	1.00E-65	140	144	97 -	607	750	81949	82092
UN02350	Rsa1.0.02246.1	891	33435	0	861	894	96 -	1	891	8821	9705
UN02351	Rsa1.0.01405.1	722	46445	0	699	727	96 -	3	721	14749	15472
UN02352	Rsa1.0.02222.1	795	152798	1.00E-108	260	279	93 -	14	292	124886	125157
UN02353	Rsa1.0.01270.1	1103	49574	0	535	549	97 -	5	553	29988	30536
UN02354	Rsa1.0.01536.1	1071	43747	0	757	802	94 -	289	1071	31883	32683
UN02355	Rsa1.0.01016.1	1051	181422	0	502	508	98 +	358	863	18736	19243
UN02356	Rsa1.0.01843.1	722	265131	1.00E-135	289	304	95 +	100	403	9831	10134
UN02357	Rsa1.0.00394.1	801	148426	1.00E-131	326	353	92 -	3	344	137048	137399
UN02358	Rsa1.0.01104.1	977	285480	0	504	512	98 +	442	952	14355	14866
UN02359	Rsa1.0.00303.1	1454	97468	0	518	558	92 +	911	1454	30230	30776
UN02360	Rsa1.0.01633.1	1220	41868	0	715	763	93 +	11	764	18063	18813
UN02361	Rsa1.0.00758.1	636	65477	0	589	596	98 -	3	598	36765	37359
UN02362	Rsa1.0.01531.1	1421	43778	0	515	531	96 +	883	1413	12110	12639
UN02363	Rsa1.0.00196.1	1123	109960	1.00E-179	373	389	95 +	736	1123	77908	78294
UN02364	Rsa1.0.03813.1	1031	20708	6.00E-83	193	204	94 +	3	206	170	371
UN02365	Rsa1.0.10936.1	712	5671	1.00E-110	211	214	98 +	322	535	5458	5671
UN02366	Rsa1.0.01561.1	832	43227	0	527	546	96 -	4	549	20971	21516
UN02367	Rsa1.0.01675.1	1537	41155	1.00E-161	327	338	96 -	2	336	9381	9717
UN02368	Rsa1.0.00055.1	1173	520193	0	686	720	95 -	459	1173	385953	386668
UN02369	#	#	#	#	#	#	#	#	#	#	#
UN02370	Rsa1.0.03408.1	966	23154	0	672	694	96 +	272	965	12750	13442
UN02371	Rsa1.0.00034.1	1433	260119	1.00E-165	332	343	96 +	240	581	233596	233938
UN02372	Rsa1.0.01416.1	1080	46262	0	1046	1084	96 +	3	1080	44990	46072
UN02373	Rsa1.0.04040.1	1145	19439	0	402	415	96 -	2	414	9830	10244
UN02374	Rsa1.0.02079.1	953	35306	1.00E-138	268	274	97 -	611	884	21522	21795
UN02375	Rsa1.0.04886.1	1742	15597	0	1106	1111	99 +	73	1182	6460	7570
UN02376	Rsa1.0.00031.1	1018	179862	0	483	504	95 -	94	597	82448	82951
UN02377	Rsa1.0.01959.1	420	36798	0	417	418	99 -	3	420	31362	31779

UN02378	Rsa1.0.01433.1	1426	45976	0	520	569	91 -	325	893	6422	6990
UN02379	Rsa1.0.01214.1	1272	50599	1.00E-158	389	420	92 +	868	1272	46274	46685
UN02380	Rsa1.0.02831.1	1116	27533	0	906	916	98 +	37	950	13241	14156
UN02381	Rsa1.0.00008.1	628	358124	1.00E-101	259	282	91 +	276	554	29181	29462
UN02382	Rsa1.0.00724.1	806	66789	0	600	625	96 +	2	613	4424	5045
UN02383	Rsa1.0.00583.1	741	74309	1.00E-168	312	316	98 -	281	596	13328	13643
UN02384	Rsa1.0.02722.1	893	28417	4.00E-90	211	225	93 +	669	893	16664	16888
UN02385	Rsa1.0.07440.1	1309	9389	0	1193	1259	94 +	32	1285	4094	5348
UN02386	Rsa1.0.02831.1	978	27533	0	554	574	96 +	405	978	13977	14548
UN02387	Rsa1.0.13713.1	934	4437	1.00E-170	319	324	98 +	611	934	1	319
UN02388	Rsa1.0.00142.1	743	121474	1.00E-140	261	264	98 -	140	403	64267	64530
UN02389	Rsa1.0.00034.1	723	260119	0	632	655	96 -	69	723	32921	33569
UN02390	Rsa1.0.00502.1	779	204180	0	529	550	96 -	231	779	181101	181649
UN02391	Rsa1.0.00179.1	829	393324	6.00E-70	162	171	94 +	305	475	210557	210727
UN02392	Rsa1.0.00044.1	1087	271658	0	479	513	93 -	590	1087	68722	69225
UN02393	Rsa1.0.00332.1	1182	94575	0	546	558	97 +	625	1182	37359	37915
UN02394	Rsa1.0.00123.1	767	325650	1.00E-127	285	298	95 +	470	766	153387	153680
UN02395	Rsa1.0.03672.1	1774	21452	1.00E-115	229	235	97 +	3	237	4200	4434
UN02396	Rsa1.0.28582.1	762	810	2.00E-97	181	181	100 -	49	229	630	810
UN02397	Rsa1.0.00020.1	743	283099	0	715	738	96 +	3	737	197113	197847
UN02398	Rsa1.0.02871.1	479	27085	7.00E-90	180	184	97 +	39	222	17889	18072
UN02399	Rsa1.0.04563.1	1275	16837	0	654	673	97 -	258	930	1988	2660
UN02400	Rsa1.0.00183.1	1354	113277	0	1288	1367	94 -	2	1352	96744	98100
UN02401	Rsa1.0.01991.1	560	36425	2.00E-50	147	163	90 -	76	229	8629	8787
UN02402	Rsa1.0.00979.1	1232	57733	3.00E-97	251	275	91 -	84	346	41925	42199
UN02403	Rsa1.0.09645.1	846	6234	1.00E-108	248	258	96 +	1	255	5803	6056
UN02404	Rsa1.0.00454.1	793	216970	1.00E-132	326	349	93 -	454	792	184249	184595
UN02405	Rsa1.0.02043.1	306	163754	8.00E-61	177	195	90 +	3	196	136195	136374
UN02406	Rsa1.0.09270.1	799	6513	0	748	800	93 -	6	792	5397	6177
UN02407	Rsa1.0.07616.1	573	9016	0	538	572	94 -	1	570	5317	5870
UN02408	Rsa1.0.05168.1	1316	14621	0	653	689	94 -	90	773	8801	9486
UN02409	Rsa1.0.00131.1	798	432233	1.00E-125	282	298	94 +	503	797	409494	409791
UN02410	Rsa1.0.25015.1	1235	956	0	471	485	97 -	409	893	475	956
UN02411	Rsa1.0.05271.1	715	14306	1.00E-108	217	223	97 +	359	581	14071	14293
UN02412	Rsa1.0.01559.1	696	43262	1.00E-139	281	291	96 +	392	682	2268	2558
UN02413	Rsa1.0.02353.1	806	32300	1.00E-159	312	321	97 -	239	559	31549	31869
UN02414	Rsa1.0.10792.1	752	5719	1.00E-107	213	217	98 -	304	520	2743	2958
UN02415	Rsa1.0.01580.1	1256	42852	1.00E-149	305	314	97 +	945	1253	37442	37755
UN02416	Rsa1.0.02946.1	1495	26537	0	918	938	97 -	74	1010	857	1790

UN02417	Rsa1.0.01516.1	710	44196	6.00E-79	156	158	98 -	5	162	26319	26476
UN02418	Rsa1.0.01273.1	955	49464	0	439	439	100 -	465	903	41505	41943
UN02419	Rsa1.0.16547.1	547	2117	0	438	473	92 +	58	529	973	1445
UN02420	Rsa1.0.00059.1	1560	159650	0	1317	1330	99 -	231	1560	38603	39932
UN02421	Rsa1.0.15326.1	871	2683	0	706	727	97 -	145	866	611	1334
UN02422	Rsa1.0.07877.1	1047	8373	3.00E-72	148	151	98 -	474	624	5171	5321
UN02423	Rsa1.0.00790.1	776	148693	1.00E-157	343	362	94 -	1	348	58714	59073
UN02424	Rsa1.0.01967.1	1119	36672	0	555	568	97 -	513	1080	24386	24953
UN02425	Rsa1.0.05900.1	1234	12295	1.00E-163	359	377	95 -	3	370	5008	5381
UN02426	Rsa1.0.08961.1	814	6750	1.00E-108	233	244	95 -	13	256	5289	5532
UN02427	Rsa1.0.00403.1	848	87701	0	432	447	96 -	3	449	44934	45371
UN02428	Rsa1.0.03783.1	1133	20890	1.00E-150	316	326	96 -	804	1128	17825	18147
UN02429	Rsa1.0.01169.1	612	51829	0	514	528	97 +	4	531	23073	23598
UN02430	Rsa1.0.00145.1	812	261008	0	493	508	97 +	304	806	244127	244628
UN02431	Rsa1.0.00571.1	1146	329018	0	1108	1170	94 -	1	1145	173584	174742
UN02432	Rsa1.0.01434.1	1637	45951	0	450	474	94 -	16	483	39461	39934
UN02433	Rsa1.0.02812.1	1109	27660	0	364	374	97 -	3	376	16559	16931
UN02434	Rsa1.0.02846.1	1200	27338	0	822	860	95 -	235	1094	20814	21673
UN02435	Rsa1.0.05352.1	889	14079	1.00E-175	318	320	99 +	63	382	1030	1349
UN02436	Rsa1.0.00451.1	800	322533	1.00E-104	202	205	98 -	216	420	23958	24162
UN02437	Rsa1.0.01203.1	1162	50848	1.00E-110	220	226	97 +	608	833	39552	39777
UN02438	Rsa1.0.00487.1	1175	80674	0	672	673	99 +	503	1175	24259	24930
UN02439	Rsa1.0.01570.1	832	43015	2.00E-57	123	126	97 -	424	549	12707	12832
UN02440	Rsa1.0.00977.1	552	198001	0	406	429	94 +	79	507	50790	51216
UN02441	Rsa1.0.01789.1	937	39250	0	580	581	99 -	357	937	6028	6607
UN02442	Rsa1.0.02045.1	596	35650	6.00E-97	186	188	98 -	208	395	23658	23845
UN02443	Rsa1.0.01015.1	691	56752	0	466	505	92 -	25	518	45893	46396
UN02444	Rsa1.0.00129.1	908	126831	1.00E-144	301	310	97 +	2	306	113574	113883
UN02445	Rsa1.0.01169.1	1126	51829	0	502	510	98 -	618	1126	49042	49551
UN02446	Rsa1.0.07914.1	775	8294	0	717	781	91 +	8	775	472	1250
UN02447	Rsa1.0.16978.1	973	1964	3.00E-81	163	166	98 +	330	495	206	371
UN02448	Rsa1.0.01371.1	775	47079	0	676	681	99 -	97	775	43553	44233
UN02449	Rsa1.0.00301.1	1245	365315	1.00E-154	305	313	97 -	463	774	276755	277067
UN02450	Rsa1.0.01140.1	850	52586	7.00E-76	145	145	100 +	4	148	3354	3498
UN02451	Rsa1.0.00963.1	601	58176	0	584	601	97 -	1	601	776	1367
UN02452	Rsa1.0.01144.1	1342	52431	1.00E-149	322	339	94 +	54	389	22927	23265
UN02453	Rsa1.0.25755.1	665	922	0	554	562	98 +	100	661	1	562
UN02454	Rsa1.0.00190.1	1208	318240	0	381	390	97 +	32	421	116678	117067
UN02455	Rsa1.0.00600.1	919	73395	0	807	887	90 -	43	917	9873	10759

UN02456	Rsa1.0.00144.1	1012	120708	0	617	637	96 -	323	957	47699	48335
UN02457	Rsa1.0.02896.1	721	26970	1.00E-167	487	555	87 +	3	530	11184	11720
UN02458	Rsa1.0.00002.1	951	601661	1.00E-93	184	187	98 +	505	691	255311	255497
UN02459	Rsa1.0.02499.1	940	30774	1.00E-114	235	242	97 -	624	864	1181	1422
UN02460	Rsa1.0.02611.1	1346	29586	1.00E-118	308	338	91 -	1012	1346	19152	19473
UN02461	Rsa1.0.01146.1	664	163455	3.00E-90	220	234	94 -	433	664	41256	41485
UN02462	Rsa1.0.02043.1	1306	163754	1.00E-164	338	353	95 +	1	353	140832	141184
UN02463	Rsa1.0.00050.1	817	237174	1.00E-168	306	308	99 -	510	817	188989	189296
UN02464	Rsa1.0.00003.1	785	340054	1.00E-106	201	203	99 +	219	421	85507	85709
UN02465	Rsa1.0.00955.1	1355	58358	0	505	510	99 -	846	1355	8320	8826
UN02466	Rsa1.0.00324.1	964	218805	1.00E-141	314	331	94 +	633	963	182790	183113
UN02467	Rsa1.0.00007.1	1006	239325	1.00E-159	347	365	95 +	642	1004	13416	13780
UN02468	Rsa1.0.00684.1	1382	141701	0	1002	1043	96 -	2	1044	9100	10142
UN02469	Rsa1.0.05482.1	1022	13595	1.00E-161	328	341	96 -	199	539	12266	12606
UN02470	Rsa1.0.00093.1	1357	214962	0	368	377	97 +	395	771	133459	133835
UN02471	Rsa1.0.00748.1	884	65983	0	497	544	91 -	3	542	63996	64525
UN02472	Rsa1.0.01371.1	733	47079	0	713	737	96 +	3	732	30775	31511
UN02473	Rsa1.0.04118.1	777	18968	0	564	566	99 -	212	777	15468	16033
UN02474	Rsa1.0.03994.1	1448	19659	0	351	357	98 +	1091	1446	1755	2110
UN02475	Rsa1.0.00419.1	1108	86562	1.00E-121	315	350	90 +	766	1108	53124	53454
UN02476	Rsa1.0.03795.1	1035	20818	1.00E-115	263	274	95 +	756	1027	15481	15750
UN02477	Rsa1.0.00280.1	1479	99966	0	468	470	99 -	1010	1479	15032	15501
UN02478	Rsa1.0.00243.1	927	103651	0	768	807	95 -	5	808	79074	79880
UN02479	Rsa1.0.04323.1	1086	17915	1.00E-142	284	293	96 -	794	1086	13892	14184
UN02480	Rsa1.0.00803.1	1140	144228	1.00E-173	341	351	97 +	790	1140	15466	15813
UN02481	Rsa1.0.00653.1	717	70029	1.00E-173	357	372	95 -	309	680	37130	37500
UN02482	Rsa1.0.00281.1	1101	99908	1.00E-151	316	328	96 +	775	1101	6793	7119
UN02483	Rsa1.0.00311.1	1296	96847	0	507	519	97 -	7	523	35682	36200
UN02484	Rsa1.0.00122.1	849	265937	0	473	477	99 -	373	849	49369	49845
UN02485	Rsa1.0.00128.1	817	228675	0	745	764	97 -	45	806	203869	204627
UN02486	Rsa1.0.00623.1	1283	207630	0	850	888	95 -	340	1212	152309	153196
UN02487	Rsa1.0.00697.1	1112	67913	1.00E-159	307	313	98 +	617	928	58544	58856
UN02488	Rsa1.0.09946.1	955	6076	1.00E-178	316	316	100 +	3	318	493	808
UN02489	Rsa1.0.00021.1	855	263655	1.00E-169	326	333	97 +	209	540	179134	179466
UN02490	Rsa1.0.19149.1	791	1472	1.00E-117	281	309	90 -	235	521	257	565
UN02491	Rsa1.0.00642.1	1291	201230	1.00E-173	415	452	91 -	840	1268	62521	62971
UN02492	Rsa1.0.01060.1	850	55368	1.00E-162	315	322	97 -	8	328	50250	50571
UN02493	Rsa1.0.04561.1	677	16849	3.00E-65	136	139	97 +	147	285	9223	9361
UN02494	Rsa1.0.01184.1	1135	51452	1.00E-179	378	400	94 +	741	1135	50577	50965

UN02495	Rsa1.0_00326.1	1054	171955	1.00E-105	238	251	94 -	532	777	62166	62416
UN02496	Rsa1.0_03572.1	574	146346	1.00E-70	207	231	89 -	69	293	137177	137407
UN02497	Rsa1.0_00032.1	931	306326	0	896	956	93 +	1	931	144544	145489
UN02498	Rsa1.0_00699.1	1238	184398	1.00E-163	328	339	96 +	886	1224	11508	11844
UN02499	Rsa1.0_00028.1	1427	293984	1.00E-60	126	128	98 -	907	1034	21632	21759
UN02500	Rsa1.0_00664.1	1006	69573	0	387	398	97 -	608	1004	16704	17101
UN02501	Rsa1.0_00086.1	685	439854	1.00E-148	307	320	95 -	366	685	296403	296719
UN02502	Rsa1.0_04622.1	1281	16618	0	614	638	96 -	644	1281	13865	14502
UN02503	Rsa1.0_01244.1	1262	50061	0	498	499	99 -	759	1257	4518	5016
UN02504	Rsa1.0_03953.1	1025	19889	0	795	831	95 -	209	1023	6197	7021
UN02505	Rsa1.0_00471.1	832	81897	0	384	395	97 -	3	396	4146	4539
UN02506	Rsa1.0_01422.1	1155	46172	1.00E-172	328	334	98 +	814	1147	28595	28926
UN02507	Rsa1.0_20596.1	797	1289	1.00E-175	330	335	98 +	325	659	12	345
UN02508	Rsa1.0_00301.1	1139	365315	0	489	513	95 +	604	1116	304665	305171
UN02509	Rsa1.0_00163.1	1443	116847	0	1172	1218	96 -	226	1443	7919	9130
UN02510	Rsa1.0_37892.1	1578	595	1.00E-116	213	213	100 -	473	685	374	586
UN02511	Rsa1.0_00045.1	997	328694	0	700	705	99 +	293	997	229947	230651
UN02512	Rsa1.0_14656.1	875	3183	1.00E-122	261	274	95 -	592	865	1368	1641
UN02513	Rsa1.0_03765.1	1261	20971	0	757	762	99 +	1	762	14012	14773
UN02514	Rsa1.0_01464.1	1043	45193	3.00E-94	214	226	94 -	623	848	16256	16478
UN02515	Rsa1.0_00162.1	1266	239935	0	707	751	94 +	1	735	38536	39286
UN02516	Rsa1.0_03613.1	801	21773	1.00E-134	281	292	96 +	1	291	16649	16932
UN02517	Rsa1.0_01833.1	992	38555	1.00E-107	211	214	98 -	76	289	16525	16737
UN02518	Rsa1.0_07757.1	1038	8633	0	910	971	93 +	46	1011	4136	5094
UN02519	Rsa1.0_01113.1	1125	53616	1.00E-115	263	278	94 -	849	1123	2899	3171
UN02520	Rsa1.0_00286.1	1232	98709	1.00E-159	425	469	90 -	9	450	26258	26726
UN02521	Rsa1.0_00944.1	791	58733	0	708	766	92 -	1	756	32281	33034
UN02522	Rsa1.0_00020.1	482	283099	0	466	482	96 -	1	482	74904	75385
UN02523	Rsa1.0_00544.1	684	76787	1.00E-135	244	244	100 +	1	244	57829	58072
UN02524	Rsa1.0_02157.1	1432	149652	0	531	533	99 -	901	1432	130569	131101
UN02525	Rsa1.0_00039.1	1240	296927	0	639	650	98 +	1	650	254868	255508
UN02526	Rsa1.0_00017.1	1184	752458	0	1030	1064	96 -	1	1063	317267	318329
UN02527	Rsa1.0_00353.1	842	92242	1.00E-58	119	120	99 +	243	362	56357	56476
UN02528	Rsa1.0_00046.1	770	320315	1.00E-159	369	396	93 -	1	374	29574	29969
UN02529	Rsa1.0_00275.1	650	210104	0	554	602	92 +	53	650	189716	190316
UN02530	Rsa1.0_00318.1	752	96094	0	443	447	99 -	209	655	20836	21282
UN02531	Rsa1.0_00243.1	1328	103651	0	1224	1281	95 -	3	1281	85850	87116
UN02532	Rsa1.0_00306.1	1214	146760	3.00E-82	198	212	93 -	626	837	101654	101865
UN02533	Rsa1.0_00170.1	402	179538	1.00E-118	261	276	94 +	1	276	20767	21038

UN02534	Rsa1.0.03955.1	968	19884	1.00E-164	324	335	96 +	1	327	5792	6126
UN02535	Rsa1.0.02955.1	729	26484	1.00E-120	280	298	93 -	1	290	21585	21882
UN02536	Rsa1.0.16489.1	996	2137	0	915	921	99 +	75	993	7	927
UN02537	Rsa1.0.02648.1	810	29073	1.00E-172	340	350	97 +	74	423	25877	26225
UN02538	Rsa1.0.02157.1	535	149652	1.00E-180	370	387	95 -	65	451	11588	11963
UN02539	Rsa1.0.01281.1	1388	49313	0	1318	1351	97 -	36	1386	4296	5645
UN02540	Rsa1.0.00816.1	1235	403350	0	668	682	97 +	1	682	139120	139801
UN02541	Rsa1.0.01322.1	301	48166	9.00E-76	238	263	90 +	45	301	28203	28460
UN02542	Rsa1.0.26227.1	1143	900	0	531	551	96 -	212	759	351	900
UN02543	Rsa1.0.07011.1	840	10034	0	511	525	97 -	314	838	9512	10034
UN02544	Rsa1.0.00127.1	1359	127446	1.00E-160	368	390	94 +	1	385	110336	110716
UN02545	Rsa1.0.20596.1	1459	1289	1.00E-173	329	336	97 -	802	1137	12	347
UN02546	Rsa1.0.01818.1	1269	38837	1.00E-175	331	337	98 -	2	338	31247	31580
UN02547	Rsa1.0.01405.1	995	46445	0	574	614	93 +	11	611	32628	33235
UN02548	Rsa1.0.06109.1	1337	11728	0	596	623	95 -	1	620	5921	6539
UN02549	Rsa1.0.04836.1	1335	15765	0	550	585	94 -	5	589	13779	14363
UN02550	Rsa1.0.03299.1	1273	23949	0	631	654	96 +	1	654	15163	15816
UN02551	Rsa1.0.00114.1	716	131330	0	480	488	98 -	3	490	62925	63412
UN02552	Rsa1.0.00065.1	1417	454616	1.00E-112	229	235	97 -	3	237	448185	448418
UN02553	Rsa1.0.04379.1	665	17646	0	550	568	96 +	100	665	4214	4780
UN02554	Rsa1.0.00075.1	623	146680	9.00E-81	197	209	94 +	173	379	29535	29743
UN02555	Rsa1.0.01281.1	896	49313	0	502	553	90 -	1	532	30590	31131
UN02556	Rsa1.0.02321.1	1079	32572	0	712	776	91 -	1	770	20709	21466
UN02557	Rsa1.0.02266.1	794	33195	0	351	355	98 +	1	355	16287	16637
UN02558	Rsa1.0.00706.1	524	291570	1.00E-106	277	305	90 +	4	308	229288	229580
UN02559	Rsa1.0.00568.1	877	75219	1.00E-170	312	315	99 +	8	322	16072	16386
UN02560	Rsa1.0.00273.1	916	326186	0	487	504	96 +	3	506	8093	8595
UN02561	Rsa1.0.00272.1	972	447836	1.00E-171	363	377	96 +	1	371	425350	425723
UN02562	Rsa1.0.00985.1	811	161950	0	768	787	97 +	2	783	27018	27802
UN02563	Rsa1.0.00107.1	987	431659	0	414	418	99 -	88	504	369243	369659
UN02564	Rsa1.0.00636.1	621	71113	0	616	621	99 +	1	621	7710	8329
UN02565	Rsa1.0.00002.1	1238	601661	0	1231	1237	99 -	1	1237	490426	491662
UN02566	Rsa1.0.01959.1	844	36798	0	787	839	93 +	5	836	4352	5187
UN02567	Rsa1.0.05748.1	784	12749	0	399	407	98 +	1	400	6545	6951
UN02568	Rsa1.0.00744.1	682	66084	1.00E-167	377	402	93 -	1	392	53238	53638
UN02569	Rsa1.0.00377.1	1071	90038	0	917	936	97 -	1	936	33637	34569
UN02570	Rsa1.0.01882.1	633	37697	9.00E-84	223	242	92 -	67	302	20903	21138
UN02571	Rsa1.0.09069.1	1422	6671	0	469	480	97 +	415	894	2813	3292
UN02572	Rsa1.0.01696.1	992	301850	0	585	615	95 +	1	615	160677	161284

UN02573	Rsa1.0.00019.1	1033	301669	0	1011	1036	97 -	1	1031	83127	84162
UN02574	Rsa1.0.02789.1	1136	27850	1.00E-129	248	251	98 -	1	250	24794	25044
UN02575	Rsa1.0.00108.1	964	478491	1.00E-104	267	286	93 +	125	402	67382	67663
UN02576	Rsa1.0.10698.1	831	5753	1.00E-120	248	257	96 +	156	412	217	470
UN02577	Rsa1.0.05683.1	1084	12944	0	461	474	97 +	610	1083	4930	5394
UN02578	Rsa1.0.07922.1	1045	8254	2.00E-45	118	126	93 +	211	336	4202	4327
UN02579	Rsa1.0.01103.1	1149	53974	0	480	488	98 -	138	618	37812	38299
UN02580	Rsa1.0.00604.1	1132	146282	0	649	656	98 +	263	916	86846	87500
UN02581	Rsa1.0.06861.1	1160	10246	0	727	729	99 +	1	729	4901	5629
UN02582	Rsa1.0.02157.1	1207	149652	6.00E-31	111	122	90 +	144	265	143782	143901
UN02583	Rsa1.0.02078.1	1325	35308	0	492	508	96 +	817	1324	22705	23212
UN02584	Rsa1.0.01724.1	954	40292	0	485	488	99 +	1	486	356	843
UN02585	Rsa1.0.05229.1	812	14437	0	780	818	95 +	2	808	8166	8983
UN02586	Rsa1.0.00154.1	690	189461	0	497	524	94 -	1	511	171027	171548
UN02587	Rsa1.0.06869.1	838	10234	1.00E-135	251	253	99 +	586	838	448	700
UN02588	Rsa1.0.06169.1	1617	11578	0	675	678	99 +	940	1617	7905	8581
UN02589	Rsa1.0.03695.1	1325	21329	6.00E-99	233	246	94 +	89	332	9883	10125
UN02590	Rsa1.0.00494.1	1304	79967	0	711	720	98 -	326	1045	20834	21553
UN02591	Rsa1.0.01516.1	934	44196	1.00E-160	341	358	95 +	492	848	24091	24448
UN02592	Rsa1.0.10606.1	1145	5787	0	1075	1149	93 +	1	1143	838	1969
UN02593	Rsa1.0.01064.1	1286	55295	0	495	518	95 +	619	1133	51704	52221
UN02594	Rsa1.0.01355.1	1362	47303	0	1257	1398	89 -	1	1361	39411	40772
UN02595	Rsa1.0.00331.1	1339	176754	0	836	878	95 -	477	1336	22215	23092
UN02596	Rsa1.0.00123.1	796	325650	0	594	628	94 -	14	641	240510	241126
UN02597	Rsa1.0.01601.1	1154	42519	1.00E-128	236	237	99 +	5	241	17160	17396
UN02598	Rsa1.0.00015.1	1300	561803	0	404	417	96 -	1	417	371807	372219
UN02599	Rsa1.0.00886.1	871	167350	0	841	877	95 +	2	871	41687	42545
UN02600	Rsa1.0.01343.1	554	47735	1.00E-138	284	293	96 -	15	305	30311	30602
UN02601	Rsa1.0.00015.1	1341	561803	0	1031	1038	99 +	306	1340	254336	255373
UN02602	Rsa1.0.00111.1	867	390088	1.00E-123	331	363	91 -	335	685	55562	55911
UN02603	Rsa1.0.04458.1	1215	17255	1.00E-167	314	319	98 +	666	984	7725	8043
UN02604	Rsa1.0.07606.1	695	9035	0	642	653	98 +	1	650	1974	2623
UN02605	Rsa1.0.00122.1	733	265937	0	700	722	96 -	8	728	30875	31593
UN02606	Rsa1.0.01088.1	1205	54416	0	857	881	97 -	329	1204	7393	8259
UN02607	Rsa1.0.02348.1	787	32316	0	513	530	96 +	255	782	5536	6062
UN02608	Rsa1.0.00644.1	1416	136881	1.00E-178	332	337	98 -	1	337	27149	27485
UN02609	Rsa1.0.00327.1	895	94892	0	463	472	98 +	1	472	24984	25448
UN02610	Rsa1.0.01492.1	914	44704	1.00E-105	249	266	93 -	8	261	35636	35901
UN02611	Rsa1.0.00608.1	1075	172672	0	755	807	93 -	2	787	113434	114240

UN02612	Rsa1.0_00027.1	1022	283362	1.00E-175	327	332	98 -	321	652	99118	99449
UN02613	Rsa1.0_02585.1	1090	29865	0	382	397	96 -	685	1078	7735	8131
UN02614	Rsa1.0_00518.1	1284	78360	0	708	731	96 -	1	729	76155	76882
UN02615	Rsa1.0_09359.1	1419	6427	0	751	769	97 -	650	1418	305	1073
UN02616	Rsa1.0_00504.1	1454	79334	0	1453	1454	99 -	1	1454	70259	71712
UN02617	Rsa1.0_00035.1	1223	176449	0	557	562	99 -	1	562	98646	99207
UN02618	Rsa1.0_01298.1	793	48999	1.00E-127	275	294	93 +	3	296	6696	6971
UN02619	Rsa1.0_00457.1	780	337301	1.00E-155	287	290	98 +	161	450	9577	9866
UN02620	Rsa1.0_04958.1	1292	15327	0	407	409	99 +	1	409	12484	12892
UN02621	Rsa1.0_01450.1	1020	144251	0	523	556	94 +	48	603	41518	42073
UN02622	Rsa1.0_21131.1	1339	1232	1.00E-133	251	254	98 -	1084	1337	228	481
UN02623	Rsa1.0_00660.1	875	69688	1.00E-71	141	142	99 +	502	643	53034	53175
UN02624	Rsa1.0_00306.1	1483	146760	0	748	804	93 -	662	1459	88781	89563
UN02625	Rsa1.0_02606.1	1014	29635	1.00E-105	204	207	98 -	637	843	10487	10693
UN02626	Rsa1.0_01897.1	1419	37499	0	824	865	95 -	483	1338	8386	9249
UN02627	Rsa1.0_01803.1	762	173846	1.00E-175	395	416	94 -	1	413	137460	137869
UN02628	Rsa1.0_03694.1	867	21336	0	748	771	97 -	96	866	20089	20858
UN02629	Rsa1.0_00067.1	757	415055	0	534	536	99 -	16	551	220023	220558
UN02630	Rsa1.0_00341.1	679	249309	4.00E-77	153	155	98 -	377	531	122984	123138
UN02631	Rsa1.0_01537.1	636	187285	1.00E-163	357	375	95 -	1	373	839	1207
UN02632	Rsa1.0_00111.1	230	390088	2.00E-85	200	212	94 +	4	215	45742	45952
UN02633	Rsa1.0_00714.1	1448	67187	9.00E-92	242	262	92 -	1122	1376	13175	13433
UN02634	Rsa1.0_00127.1	1163	127446	0	1003	1087	92 +	1	1068	16351	17408
UN02635	#	#	#	#	#	#	#	#	#	#	#
UN02636	Rsa1.0_01184.1	953	51452	0	381	383	99 -	345	727	26949	27331
UN02637	Rsa1.0_02257.1	1159	33318	1.00E-115	229	235	97 +	728	962	21475	21709
UN02638	Rsa1.0_02791.1	1277	27832	0	529	540	97 -	2	539	7700	8234
UN02639	Rsa1.0_01517.1	1181	44170	3.00E-94	218	230	94 +	3	223	25298	25527
UN02640	Rsa1.0_04450.1	771	17297	1.00E-143	288	298	96 -	474	771	12688	12985
UN02641	Rsa1.0_03828.1	1226	20588	0	382	399	95 +	1	392	5984	6381
UN02642	Rsa1.0_01039.1	753	55946	1.00E-147	271	273	99 +	481	753	3862	4134
UN02643	Rsa1.0_03001.1	717	26108	0	482	492	97 +	1	492	11731	12222
UN02644	Rsa1.0_02820.1	1128	27629	0	506	527	96 -	590	1104	19486	20011
UN02645	Rsa1.0_09273.1	1036	6511	7.00E-98	226	239	94 +	790	1024	1960	2197
UN02646	Rsa1.0_00583.1	703	74309	1.00E-165	324	333	97 +	250	579	71950	72282
UN02647	Rsa1.0_04428.1	1123	17399	0	1059	1126	94 +	1	1123	8438	9531
UN02648	Rsa1.0_02270.1	505	249821	0	499	505	98 -	1	505	6888	7392
UN02649	Rsa1.0_00056.1	1211	332604	0	1121	1146	97 +	70	1211	306623	307767
UN02650	Rsa1.0_00376.1	1240	90101	1.00E-118	309	338	91 -	870	1203	2720	3057

UN02651	Rsa1.0.02086.1	860	35198	0	841	861	97 +	1	860	27642	28502
UN02652	Rsa1.0.01099.1	689	158481	1.00E-117	289	312	92 -	1	303	132505	132816
UN02653	Rsa1.0.00332.1	1311	94575	6.00E-68	197	220	89 -	1098	1308	40447	40666
UN02654	Rsa1.0.00060.1	912	502678	1.00E-150	295	302	97 +	1	302	252665	252965
UN02655	Rsa1.0.04741.1	667	16164	0	514	542	94 -	1	541	6532	7070
UN02656	Rsa1.0.01139.1	619	52601	0	381	390	97 -	1	389	50365	50754
UN02657	Rsa1.0.01389.1	744	46716	1.00E-106	258	278	92 +	421	695	13119	13396
UN02658	Rsa1.0.36749.1	892	613	1.00E-168	331	340	97 +	174	512	186	525
UN02659	Rsa1.0.00582.1	818	74333	3.00E-81	157	158	99 -	268	425	18123	18280
UN02660	Rsa1.0.00910.1	1092	59975	0	509	534	95 +	1	532	55819	56351
UN02661	Rsa1.0.02064.1	1017	35476	0	473	492	96 +	1	491	16539	17023
UN02662	Rsa1.0.58913.1	784	388	5.00E-95	198	205	96 +	117	321	26	230
UN02663	#	#	#	#	#	#	#	#	#	#	#
UN02664	Rsa1.0.00286.1	1238	98709	0	421	439	95 +	800	1237	26258	26691
UN02665	Rsa1.0.04271.1	923	18148	0	911	922	98 +	2	923	14139	15060
UN02666	Rsa1.0.05847.1	1303	12433	0	432	444	97 -	429	872	2039	2478
UN02667	Rsa1.0.01146.1	631	163455	1.00E-85	204	215	94 +	329	538	162766	162980
UN02668	Rsa1.0.02287.1	982	32986	0	961	981	97 +	1	981	23736	24715
UN02669	Rsa1.0.14741.1	807	3112	0	462	470	98 +	336	805	1341	1810
UN02670	Rsa1.0.00011.1	811	225044	1.00E-175	386	412	93 +	412	809	207085	207496
UN02671	Rsa1.0.00296.1	633	97854	1.00E-132	295	309	95 +	1	303	70450	70757
UN02672	Rsa1.0.01081.1	986	499226	0	884	904	97 +	84	986	42018	42920
UN02673	Rsa1.0.04455.1	1210	17266	0	407	423	96 +	780	1198	12968	13390
UN02674	Rsa1.0.07870.1	979	8384	0	365	369	98 +	168	535	5013	5381
UN02675	Rsa1.0.00311.1	733	96847	1.00E-112	235	245	95 +	87	331	33654	33892
UN02676	Rsa1.0.00111.1	688	390088	0	597	626	95 +	7	624	338227	338850
UN02677	Rsa1.0.01434.1	1374	45951	1.00E-176	338	346	97 -	505	850	28843	29188
UN02678	Rsa1.0.00703.1	983	67597	0	952	981	97 +	3	983	40091	41071
UN02679	Rsa1.0.05230.1	728	14437	7.00E-51	109	111	98 +	339	449	14327	14437
UN02680	Rsa1.0.00552.1	1300	206757	8.00E-92	202	212	95 +	859	1070	187055	187266
UN02681	Rsa1.0.00607.1	963	73146	4.00E-93	235	258	91 +	2	241	69522	69779
UN02682	Rsa1.0.01061.1	1442	55349	1.00E-104	217	223	97 +	6	227	40608	40827
UN02683	Rsa1.0.00549.1	1679	76473	0	547	594	92 +	3	593	23871	24461
UN02684	Rsa1.0.02959.1	1244	26441	0	374	374	100 +	35	408	20224	20597
UN02685	Rsa1.0.01247.1	706	49934	0	671	699	95 +	3	701	24345	25034
UN02686	Rsa1.0.00348.1	1385	92818	0	365	377	96 -	12	380	65410	65786
UN02687	Rsa1.0.00066.1	1410	152418	1.00E-137	372	411	90 +	853	1252	66553	66951
UN02688	Rsa1.0.00236.1	1376	104771	0	643	649	99 +	728	1376	58279	58927
UN02689	Rsa1.0.00251.1	897	303968	0	333	337	98 +	561	897	66488	66824

UN02690	Rsa1.0_00128.1	973	228675	3.00E-57	120	122	98 -	522	643	151246	151367
UN02691	Rsa1.0_11463.1	494	5500	0	345	346	99 +	149	494	258	602
UN02692	Rsa1.0_02991.1	933	26178	1.00E-109	287	309	92 -	619	921	6920	7224
UN02693	Rsa1.0_00867.1	673	61635	1.00E-108	297	329	90 -	3	325	27352	27668
UN02694	Rsa1.0_00077.1	1917	145005	1.00E-141	311	326	95 +	1595	1917	31241	31565
UN02695	Rsa1.0_25195.1	1039	947	1.00E-148	286	292	97 +	745	1036	261	548
UN02696	Rsa1.0_01587.1	1364	42789	0	378	384	98 -	731	1114	29407	29790
UN02697	Rsa1.0_01420.1	1412	46210	1.00E-163	295	296	99 +	3	298	6598	6893
UN02698	Rsa1.0_00745.1	1433	66067	0	490	513	95 +	927	1432	52944	53451
UN02699	Rsa1.0_01306.1	1348	48720	0	710	728	97 -	2	729	3824	4551
UN02700	Rsa1.0_01016.1	873	181422	0	469	497	94 +	378	873	177066	177557
UN02701	Rsa1.0_00512.1	842	200277	0	349	350	99 -	491	840	18455	18804
UN02702	Rsa1.0_00092.1	1106	659932	0	1079	1137	94 -	3	1106	175633	176766
UN02703	Rsa1.0_02506.1	1215	30700	1.00E-165	345	361	95 -	416	773	6452	6812
UN02704	Rsa1.0_09897.1	1063	6100	0	981	1048	93 +	49	1059	3765	4797
UN02705	Rsa1.0_01513.1	878	44234	1.00E-122	337	366	92 -	497	858	17141	17498
UN02706	Rsa1.0_00398.1	1280	88007	1.00E-150	594	697	85 -	8	683	76377	77049
UN02707	Rsa1.0_00844.1	1190	62403	0	530	545	97 -	463	1006	20009	20553
UN02708	Rsa1.0_00218.1	1033	201480	0	441	456	96 -	578	1033	101432	101883
UN02709	Rsa1.0_01958.1	829	261128	0	401	416	96 -	51	463	131033	131446
UN02710	Rsa1.0_00371.1	942	90463	0	367	372	98 -	571	942	73399	73770
UN02711	Rsa1.0_07397.1	1276	9464	0	1021	1025	99 +	241	1263	636	1659
UN02712	Rsa1.0_00305.1	787	97308	1.00E-122	275	289	95 -	500	784	39294	39582
UN02713	Rsa1.0_00077.1	1153	145005	0	1127	1156	97 +	2	1153	129159	130314
UN02714	Rsa1.0_00829.1	678	158305	1.00E-101	206	211	97 +	467	676	40842	41052
UN02715	Rsa1.0_00522.1	779	78103	0	421	435	96 -	29	457	38920	39354
UN02716	Rsa1.0_00300.1	1330	97747	0	554	577	96 +	78	654	81510	82074
UN02717	Rsa1.0_00699.1	697	184398	1.00E-76	302	355	85 +	246	592	127771	128125
UN02718	Rsa1.0_01248.1	699	154103	1.00E-125	234	236	99 +	274	509	49463	49698
UN02719	Rsa1.0_04218.1	633	18423	0	450	482	93 -	164	633	15799	16280
UN02720	Rsa1.0_03125.1	1398	147978	0	389	391	99 -	35	424	143840	144230
UN02721	Rsa1.0_00930.1	802	59224	2.00E-85	201	209	96 +	555	759	48406	48614
UN02722	Rsa1.0_00107.1	1515	431659	1.00E-151	280	283	98 -	516	798	330676	330958
UN02723	Rsa1.0_01037.1	1343	55969	0	577	581	99 +	764	1343	36234	36814
UN02724	Rsa1.0_05634.1	1032	13114	0	997	1033	96 +	3	1032	7011	8043
UN02725	Rsa1.0_07056.1	1026	9969	0	715	766	93 +	280	1026	6091	6849
UN02726	Rsa1.0_00130.1	739	125737	1.00E-126	250	254	98 -	487	739	103390	103642
UN02727	Rsa1.0_07657.1	1047	8896	0	358	362	98 +	684	1044	3658	4019
UN02728	Rsa1.0_00595.1	1411	341648	0	1354	1414	95 -	9	1405	25673	27084

UN02729	Rsa1.0_00951.1	714	164588	0	688	724	95 -	3	714	122835	123556
UN02730	Rsa1.0_00702.1	1291	67600	1.00E-105	307	343	89 -	32	373	28141	28483
UN02731	Rsa1.0_00581.1	1038	163575	0	365	365	100 +	247	611	26641	27005
UN02732	Rsa1.0_00092.1	816	659932	0	513	519	98 +	65	583	199002	199520
UN02733	Rsa1.0_01447.1	600	45654	1.00E-171	311	312	99 -	288	598	4527	4838
UN02734	Rsa1.0_00202.1	608	185895	9.00E-87	215	231	93 +	3	227	11683	11913
UN02735	Rsa1.0_00372.1	1016	90418	1.00E-171	351	363	96 +	653	1014	45301	45659
UN02736	Rsa1.0_00019.1	1103	301669	1.00E-119	262	276	94 -	416	691	238714	238986
UN02737	Rsa1.0_02707.1	751	28520	0	330	332	99 +	416	747	11082	11413
UN02738	Rsa1.0_05036.1	1369	15058	0	1339	1394	96 +	3	1368	13114	14503
UN02739	Rsa1.0_06403.1	1667	11078	0	547	589	92 +	16	584	5658	6237
UN02740	Rsa1.0_01440.1	695	45807	0	353	357	98 -	339	695	31768	32121
UN02741	Rsa1.0_02528.1	841	30452	0	839	841	99 -	1	841	22261	23101
UN02742	Rsa1.0_13940.1	1009	4047	0	961	1007	95 +	2	1008	433	1430
UN02743	Rsa1.0_00907.1	1074	60062	0	850	887	95 +	3	884	17643	18520
UN02744	Rsa1.0_00343.1	949	93570	1.00E-31	83	87	95 +	1	87	11039	11125
UN02745	Rsa1.0_03264.1	756	145959	1.00E-180	366	381	96 +	2	382	141562	141939
UN02746	Rsa1.0_00131.1	739	432233	1.00E-149	284	288	98 -	432	719	189370	189656
UN02747	Rsa1.0_02705.1	1234	28535	0	1117	1203	92 +	41	1231	1566	2742
UN02748	Rsa1.0_02710.1	1397	28492	1.00E-150	294	302	97 -	1	302	25405	25706
UN02749	Rsa1.0_00734.1	1207	66508	0	370	370	100 +	837	1206	6510	6879
UN02750	Rsa1.0_00350.1	741	92346	1.00E-103	223	230	96 +	1	227	12235	12464
UN02751	Rsa1.0_01989.1	1012	36439	0	471	500	94 +	3	494	12040	12536
UN02752	Rsa1.0_06728.1	1007	10455	1.00E-138	357	391	91 -	625	1000	9062	9448
UN02753	Rsa1.0_00121.1	942	278029	1.00E-132	277	288	96 +	3	289	5597	5884
UN02754	Rsa1.0_09314.1	996	6461	0	510	529	96 +	9	535	5586	6112
UN02755	Rsa1.0_00005.1	895	353093	1.00E-151	284	288	98 +	509	796	129667	129954
UN02756	Rsa1.0_00057.1	1252	160473	1.00E-122	338	373	90 +	889	1248	143476	143836
UN02757	Rsa1.0_02329.1	1133	32474	0	749	769	97 +	368	1132	10253	11017
UN02758	Rsa1.0_24740.1	783	969	1.00E-137	355	391	90 +	393	783	476	866
UN02759	Rsa1.0_05940.1	934	12169	0	440	440	100 -	1	440	9960	10399
UN02760	Rsa1.0_00010.1	941	294827	0	362	375	96 -	484	858	132283	132657
UN02761	Rsa1.0_00442.1	763	84596	0	647	661	97 +	46	706	9550	10210
UN02762	Rsa1.0_00157.1	1091	245832	1.00E-115	227	231	98 +	663	893	185692	185921
UN02763	Rsa1.0_02314.1	1038	32642	0	516	533	96 -	508	1037	4774	5305
UN02764	Rsa1.0_05204.1	635	14516	0	619	638	97 +	3	635	2020	2657
UN02765	Rsa1.0_00015.1	804	561803	1.00E-112	308	345	89 +	28	348	370530	370874
UN02766	Rsa1.0_00706.1	1019	291570	1.00E-138	294	309	95 -	712	1019	229281	229580
UN02767	Rsa1.0_00437.1	1147	84879	0	505	521	96 +	583	1101	50510	51028

UN02768	Rsa1.0_00092.1	1073	659932	1.00E-120	241	248	97 -	409	656	127591	127838
UN02769	Rsa1.0_01931.1	806	37187	1.00E-114	248	258	96 -	550	806	28491	28747
UN02770	Rsa1.0_00190.1	720	318240	0	371	374	99 -	345	717	91428	91801
UN02771	Rsa1.0_04741.1	957	16164	1.00E-103	200	203	98 +	467	669	5949	6151
UN02772	Rsa1.0_00057.1	1661	160473	0	535	552	96 -	3	548	101205	101756
UN02773	Rsa1.0_01376.1	1345	47004	1.00E-174	385	410	93 +	936	1340	21956	22349
UN02774	Rsa1.0_04450.1	1368	17297	0	1333	1374	97 +	2	1368	11747	13119
UN02775	Rsa1.0_00487.1	1641	80674	0	429	442	97 -	1202	1640	12797	13238
UN02776	Rsa1.0_03252.1	1118	24338	1.00E-151	287	292	98 -	23	314	2166	2457
UN02777	Rsa1.0_36775.1	1002	613	1.00E-116	231	237	97 -	751	987	184	420
UN02778	Rsa1.0_14183.1	901	132309	0	749	773	96 +	2	768	1473	2245
UN02779	Rsa1.0_06603.1	783	10682	1.00E-125	271	285	95 +	3	287	6408	6684
UN02780	Rsa1.0_29978.1	1306	766	1.00E-129	297	315	94 +	993	1306	160	473
UN02781	Rsa1.0_01285.1	900	172709	0	522	525	99 -	376	900	153445	153969
UN02782	Rsa1.0_08192.1	967	7762	1.00E-142	294	304	96 +	630	931	6351	6654
UN02783	Rsa1.0_02490.1	1170	30885	0	376	377	99 -	794	1170	5484	5860
UN02784	Rsa1.0_00152.1	985	257730	0	948	983	96 -	3	985	201916	202890
UN02785	Rsa1.0_01502.1	1180	44519	0	480	493	97 -	4	496	36621	37111
UN02786	Rsa1.0_00218.1	927	201480	0	492	543	90 +	3	540	152508	153020
UN02787	Rsa1.0_01464.1	1006	45193	1.00E-166	360	381	94 +	50	424	25050	25427
UN02788	Rsa1.0_02532.1	1238	30403	0	905	924	97 +	52	973	26787	27710
UN02789	Rsa1.0_00213.1	1190	108167	1.00E-172	423	455	92 -	748	1189	36360	36807
UN02790	Rsa1.0_00648.1	907	70351	3.00E-87	225	244	92 +	622	865	24878	25115
UN02791	Rsa1.0_01523.1	921	43959	6.00E-15	109	131	83 +	330	460	20026	20156
UN02792	Rsa1.0_00074.1	1111	147591	1.00E-137	270	276	97 -	836	1111	135631	135905
UN02793	Rsa1.0_01458.1	603	175719	2.00E-81	177	184	96 -	6	186	415	598
UN02794	Rsa1.0_00045.1	1723	328694	0	621	634	97 +	1000	1633	289123	289756
UN02795	Rsa1.0_02756.1	659	28202	1.00E-70	148	152	97 +	508	659	17942	18093
UN02796	Rsa1.0_03155.1	1727	24958	0	461	472	97 +	1252	1723	508	978
UN02797	Rsa1.0_02188.1	999	34104	0	497	517	96 -	486	999	2422	2933
UN02798	Rsa1.0_30387.1	893	755	4.00E-90	175	177	98 -	261	437	313	489
UN02799	Rsa1.0_01829.1	717	166063	0	457	474	96 +	247	717	154869	155339
UN02800	Rsa1.0_00050.1	1130	237174	0	390	391	99 +	740	1130	19315	19705
UN02801	Rsa1.0_01306.1	1751	48720	0	402	424	94 +	1336	1751	755	1178
UN02802	Rsa1.0_00323.1	939	159650	1.00E-158	410	446	91 +	509	939	43841	44285
UN02803	Rsa1.0_00007.1	1024	239325	8.00E-70	296	344	86 -	653	993	14222	14555
UN02804	Rsa1.0_03132.1	845	25142	0	415	427	97 -	64	490	22052	22478
UN02805	Rsa1.0_01899.1	1007	37474	0	819	837	97 +	172	1007	3081	3916
UN02806	Rsa1.0_00751.1	877	65759	0	385	403	95 +	280	679	41458	41860

UN02807	Rsa1.0.39553.1	729	568	0	423	438	96 +	236	672	1	438
UN02808	Rsa1.0.00071.1	760	345714	1.00E-150	289	293	98 -	470	760	324444	324736
UN02809	Rsa1.0.00618.1	522	72195	0	514	517	99 -	4	520	20170	20686
UN02810	Rsa1.0.00101.1	789	267193	0	616	670	91 +	76	728	89099	89762
UN02811	Rsa1.0.00008.1	1476	358124	0	423	434	97 -	13	446	56542	56975
UN02812	Rsa1.0.00577.1	893	174827	2.00E-94	248	269	92 -	626	893	168313	168571
UN02813	Rsa1.0.02358.1	908	32213	0	453	485	93 -	426	908	247	712
UN02814	Rsa1.0.20008.1	827	1353	0	490	505	97 -	330	827	849	1353
UN02815	Rsa1.0.00429.1	1831	85559	0	816	945	86 -	670	1607	44086	45014
UN02816	Rsa1.0.16459.1	818	2148	1.00E-142	412	464	88 +	22	485	1642	2105
UN02817	Rsa1.0.03264.1	1158	145959	1.00E-139	275	283	97 +	376	658	134142	134424
UN02818	Rsa1.0.13693.1	875	4469	0	594	650	91 +	235	875	2608	3233
UN02819	Rsa1.0.02494.1	1606	132923	0	922	928	99 +	450	1377	4498	5425
UN02820	Rsa1.0.00960.1	1344	58199	0	476	478	99 -	860	1337	14530	15007
UN02821	Rsa1.0.00682.1	766	68680	1.00E-159	291	293	99 +	7	299	14059	14351
UN02822	Rsa1.0.00513.1	879	78579	1.00E-127	246	251	98 +	142	392	57763	58013
UN02823	Rsa1.0.04831.1	1043	15799	1.00E-28	127	146	86 +	392	536	12656	12801
UN02824	Rsa1.0.21334.1	1130	1214	0	688	746	92 +	307	1052	236	981
UN02825	Rsa1.0.00030.1	931	250988	0	547	573	95 +	2	573	157138	157688
UN02826	Rsa1.0.14984.1	1088	2912	1.00E-153	290	294	98 +	205	498	2296	2588
UN02827	Rsa1.0.10606.1	1151	5787	0	1118	1169	95 +	1	1149	838	2005
UN02828	Rsa1.0.00611.1	915	72410	0	544	587	92 +	335	912	7150	7732
UN02829	Rsa1.0.11079.1	1008	5624	0	408	409	99 -	359	767	4076	4484
UN02830	Rsa1.0.00671.1	1051	397884	0	1022	1064	96 +	2	1049	245073	246135
UN02831	Rsa1.0.02023.1	937	35922	0	552	583	94 -	1	581	26292	26874
UN02832	Rsa1.0.08686.1	667	7041	0	650	665	97 -	3	667	4483	5147
UN02833	Rsa1.0.04126.1	834	18939	0	460	480	95 -	1	478	17402	17876
UN02834	Rsa1.0.00436.1	1130	85008	1.00E-154	292	297	98 +	2	298	7435	7731
UN02835	Rsa1.0.01924.1	1071	37226	1.00E-116	324	358	90 -	407	752	1369	1723
UN02836	Rsa1.0.00001.1	1434	363028	0	969	1022	94 -	1	1003	144755	145776
UN02837	Rsa1.0.03785.1	1120	20883	0	379	380	99 -	7	386	15659	16038
UN02838	Rsa1.0.00865.1	1616	61686	0	580	586	98 -	605	1190	45315	45900
UN02839	Rsa1.0.00009.1	657	232558	2.33E-156	271	274	98 +	384	657	207990	208263
UN02840	Rsa1.0.00192.1	877	278200	1.00E-138	261	265	98 -	122	386	231729	231993
UN02841	Rsa1.0.00390.1	632	88681	1.00E-116	296	325	91 +	247	569	41294	41596
UN02842	Rsa1.0.01835.1	1232	38542	0	765	812	94 -	430	1220	15417	16222
UN02843	Rsa1.0.00148.1	1677	120234	0	865	895	96 -	1	878	63550	64444
UN02844	Rsa1.0.04646.1	1111	16541	0	655	665	98 +	1	665	4309	4973
UN02845	Rsa1.0.02006.1	633	36135	8.00E-78	233	260	89 -	76	334	7421	7680

UN02846	Rsa1.0_01220.1	595	161775	1.00E-136	322	351	91 -	3	353	7326	7660
UN02847	Rsa1.0_02254.1	1007	33344	1.00E-165	313	319	98 +	684	1002	12021	12339
UN02848	Rsa1.0_02641.1	1208	29191	0	459	472	97 -	735	1206	21757	22219
UN02849	Rsa1.0_01286.1	856	49209	0	453	484	93 +	377	854	25577	26059
UN02850	Rsa1.0_00789.1	1222	64233	0	526	546	96 -	2	542	34406	34951
UN02851	Rsa1.0_00712.1	1008	67217	0	504	523	96 -	484	1006	46782	47304
UN02852	Rsa1.0_00973.1	1368	57913	1.00E-152	273	273	100 -	933	1205	5428	5700
UN02853	Rsa1.0_00197.1	898	109714	0	701	706	99 +	194	897	84124	84829
UN02854	Rsa1.0_00041.1	762	186197	2.00E-75	175	184	95 +	509	691	175346	175529
UN02855	Rsa1.0_01808.1	891	39007	0	533	547	97 +	347	889	29595	30141
UN02856	Rsa1.0_00157.1	611	245832	0	412	412	100 -	1	412	160498	160909
UN02857	Rsa1.0_09577.1	792	6275	1.00E-131	309	334	92 +	468	792	1281	1614
UN02858	Rsa1.0_00471.1	599	81897	0	591	601	98 -	1	599	23991	24591
UN02859	Rsa1.0_07814.1	1463	8487	1.00E-117	214	214	100 +	1250	1463	1175	1388
UN02860	Rsa1.0_06303.1	1289	11268	0	591	615	96 -	137	751	1748	2362
UN02861	Rsa1.0_00016.1	1202	831256	1.00E-168	336	348	96 -	577	924	428671	429018
UN02862	Rsa1.0_02265.1	1295	33233	0	359	362	99 +	1	361	17366	17727
UN02863	Rsa1.0_26026.1	1127	909	0	779	801	97 -	1	801	1	800
UN02864	Rsa1.0_06092.1	1015	11756	0	412	425	96 -	7	430	2681	3104
UN02865	Rsa1.0_00027.1	1213	283362	1.00E-118	235	241	97 -	564	804	90878	91118
UN02866	Rsa1.0_00713.1	805	158017	0	788	805	97 +	1	805	24033	24837
UN02867	Rsa1.0_00027.1	889	283362	0	599	601	99 +	2	602	56405	57005
UN02868	Rsa1.0_00188.1	167	112020	8.00E-75	160	165	96 -	1	163	23385	23549
UN02869	Rsa1.0_71754.1	809	319	1.00E-162	306	310	98 -	1	310	1	309
UN02870	Rsa1.0_00833.1	1538	62621	0	511	543	94 -	574	1104	28121	28663
UN02871	Rsa1.0_04557.1	1183	145048	1.00E-129	364	397	91 +	2	379	135337	135723
UN02872	Rsa1.0_41904.1	1663	536	0	524	536	97 +	139	663	1	536
UN02873	#	#	#	#	#	#	#	#	#	#	#
UN02874	Rsa1.0_00829.1	1782	158305	0	938	954	98 +	829	1782	29034	29986
UN02875	Rsa1.0_00876.1	649	61328	0	375	376	99 -	26	401	28187	28562
UN02876	Rsa1.0_00671.1	934	397884	3.00E-81	248	281	88 +	4	260	192679	192958
UN02877	Rsa1.0_00220.1	710	192936	0	573	594	96 -	1	586	4428	5020
UN02878	Rsa1.0_35031.1	707	646	0	447	449	99 +	65	513	1	449
UN02879	Rsa1.0_00762.1	990	165246	0	357	360	99 +	2	361	28941	29300
UN02880	Rsa1.0_01363.1	1321	47195	1.00E-170	334	344	97 -	976	1319	20177	20520
UN02881	Rsa1.0_05324.1	1138	14145	0	438	456	96 -	1	454	13120	13569
UN02882	Rsa1.0_17832.1	1125	1729	0	329	329	100 -	1	329	123	451
UN02883	Rsa1.0_02988.1	1131	26190	0	366	372	98 +	253	624	17445	17812
UN02884	Rsa1.0_05168.1	596	14621	0	566	607	93 +	2	596	8077	8675

UN02885	Rsa1.0.00387.1	762	495407	0	745	747	99 -	16	762	349647	350393
UN02886	Rsa1.0.01401.1	1189	142441	0	640	667	95 +	368	1034	132155	132821
UN02887	Rsa1.0.07385.1	1027	9485	1.00E-170	321	326	98 +	702	1027	5009	5332
UN02888	Rsa1.0.00409.1	1385	146788	0	1330	1396	95 -	1	1383	123784	125176
UN02889	Rsa1.0.00236.1	839	104771	0	835	839	99 -	1	839	70007	70844
UN02890	Rsa1.0.00408.1	1548	176752	0	420	426	98 +	457	882	133299	133724
UN02891	Rsa1.0.05618.1	1018	13165	1.00E-114	218	221	98 +	471	691	7388	7608
UN02892	Rsa1.0.00660.1	743	69688	0	396	400	99 +	1	398	52547	52946
UN02893	Rsa1.0.00122.1	522	265937	0	438	473	92 -	56	522	224808	225273
UN02894	Rsa1.0.00359.1	497	91256	0	445	470	94 -	27	496	22278	22733
UN02895	Rsa1.0.03137.1	500	25105	1.00E-169	322	327	98 -	1	323	9465	9791
UN02896	Rsa1.0.03237.1	797	24434	0	718	734	97 -	10	743	1749	2480
UN02897	Rsa1.0.00193.1	1181	194198	1.00E-150	297	306	97 +	530	835	103702	104007
UN02898	Rsa1.0.12558.1	1137	5193	0	1008	1058	95 -	1	1050	1	1056
UN02899	Rsa1.0.00039.1	650	296927	0	529	579	91 +	1	575	75433	75994
UN02900	Rsa1.0.00895.1	1079	60615	3.00E-35	108	117	92 +	309	425	19320	19435
UN02901	Rsa1.0.00297.1	1185	97836	1.00E-169	348	361	96 +	113	473	33840	34198
UN02902	Rsa1.0.02294.1	1206	32940	1.00E-164	300	302	99 +	836	1137	15437	15738
UN02903	Rsa1.0.00280.1	1368	99966	0	408	408	100 +	876	1283	1487	1894
UN02904	Rsa1.0.00405.1	434	202864	0	377	385	97 +	2	386	59823	60207
UN02905	Rsa1.0.00068.1	544	151813	0	527	547	96 -	1	544	104387	104931
UN02906	Rsa1.0.27174.1	1130	863	0	483	486	99 -	1	486	132	617
UN02907	Rsa1.0.01943.1	759	37042	1.00E-103	249	262	95 +	1	259	4846	5105
UN02908	Rsa1.0.01296.1	845	49035	1.00E-137	248	248	100 -	1	248	13384	13631
UN02909	Rsa1.0.00595.1	1247	341648	1.00E-123	243	249	97 +	1	249	142025	142273
UN02910	Rsa1.0.00180.1	219	114581	4.00E-80	200	215	93 +	5	219	34742	34950
UN02911	Rsa1.0.00441.1	1105	84607	0	620	627	98 -	1	627	61230	61856
UN02912	Rsa1.0.03347.1	662	23588	4.00E-92	183	186	98 +	2	187	20400	20582
UN02913	Rsa1.0.00175.1	1512	166121	0	686	705	97 +	808	1511	85418	86122
UN02914	Rsa1.0.03246.1	399	24379	1.00E-151	274	275	99 +	1	275	9287	9561
UN02915	Rsa1.0.02406.1	820	145276	1.00E-170	332	339	97 -	1	338	1739	2076
UN02916	Rsa1.0.01775.1	1134	39519	1.00E-166	306	309	99 +	431	739	2567	2875
UN02917	Rsa1.0.01243.1	1243	50061	0	777	790	98 +	279	1064	33078	33867
UN02918	Rsa1.0.01768.1	1169	138463	0	1082	1114	97 +	3	1111	112732	113845
UN02919	Rsa1.0.00025.1	888	277312	0	853	885	96 +	3	886	67909	68787
UN02920	Rsa1.0.01121.1	874	53407	0	750	753	99 +	121	873	19076	19828
UN02921	Rsa1.0.15052.1	954	2866	0	948	952	99 -	1	952	582	1532
UN02922	Rsa1.0.01190.1	571	194501	1.00E-113	207	207	100 +	202	408	5041	5247
UN02923	Rsa1.0.05546.1	859	13379	1.00E-163	301	303	99 +	375	676	7592	7894

UN02924	Rsa1.0_03037.1	956	25825	1.00E-173	343	353	97 +	603	954	5163	5515
UN02925	Rsa1.0_25367.1	1276	939	1.00E-170	310	312	99 +	628	939	457	768
UN02926	Rsa1.0_00021.1	1366	263655	0	733	747	98 -	621	1366	30406	31146
UN02927	#	#	#	#	#	#	#	#	#	#	#
UN02928	Rsa1.0_03341.1	1230	23604	0	793	815	97 +	345	1159	2950	3752
UN02929	Rsa1.0_39619.1	778	567	0	444	459	96 -	310	768	1	459
UN02930	Rsa1.0_01722.1	699	40320	0	651	724	89 +	1	697	36420	37139
UN02931	Rsa1.0_01763.1	857	39659	0	440	444	99 -	416	857	38145	38588
UN02932	Rsa1.0_03364.1	893	23446	0	781	800	97 +	2	800	18681	19479
UN02933	Rsa1.0_01294.1	860	49090	1.00E-114	328	365	89 -	7	352	26968	27329
UN02934	Rsa1.0_02114.1	752	34873	0	499	509	98 -	2	505	16049	16557
UN02935	Rsa1.0_01791.1	1083	160383	0	750	759	98 +	1	758	13646	14404
UN02936	Rsa1.0_00015.1	866	561803	1.00E-145	279	284	98 -	3	283	363481	363764
UN02937	Rsa1.0_00761.1	1407	65133	0	865	870	99 -	327	1196	12489	13358
UN02938	Rsa1.0_18025.1	1368	1687	1.00E-178	482	533	90 -	147	663	1162	1687
UN02939	Rsa1.0_03822.1	1386	20640	0	659	666	98 +	3	668	6396	7060
UN02940	Rsa1.0_00828.1	1218	62744	0	757	785	96 +	434	1218	15688	16470
UN02941	Rsa1.0_00149.1	1369	305196	0	550	562	97 -	208	769	200113	200674
UN02942	Rsa1.0_13838.1	746	4236	0	618	648	95 -	1	644	3281	3920
UN02943	Rsa1.0_00080.1	964	190437	0	642	654	98 -	4	657	112626	113277
UN02944	Rsa1.0_00538.1	1131	77149	7.00E-15	73	83	87 +	501	583	11743	11825
UN02945	Rsa1.0_01989.1	900	36439	0	869	898	96 -	4	899	25043	25939
UN02946	Rsa1.0_02493.1	797	30854	0	581	594	97 +	1	589	26849	27442
UN02947	Rsa1.0_00796.1	830	63997	7.00E-39	95	99	95 +	407	505	2078	2176
UN02948	Rsa1.0_00237.1	681	235974	0	616	621	99 -	61	679	14746	15366
UN02949	Rsa1.0_09517.1	1084	6319	0	688	708	97 -	70	777	2293	3000
UN02950	Rsa1.0_00681.1	591	68779	0	386	401	96 +	1	398	42467	42866
UN02951	Rsa1.0_00034.1	1240	260119	1.00E-118	229	233	98 +	510	742	30072	30304
UN02952	Rsa1.0_00125.1	661	253043	1.00E-168	329	336	97 -	4	339	168487	168820
UN02953	Rsa1.0_00135.1	1396	178077	0	694	757	91 -	296	1029	165548	166298
UN02954	Rsa1.0_00371.1	1139	90463	0	742	774	95 +	365	1137	11545	12312
UN02955	Rsa1.0_06041.1	871	11861	0	741	787	94 +	87	870	9352	10120
UN02956	Rsa1.0_03952.1	1127	19891	0	415	420	98 +	213	632	19139	19558
UN02957	Rsa1.0_00054.1	1049	162053	0	705	716	98 +	209	924	140724	141439
UN02958	Rsa1.0_00290.1	1182	225096	1.00E-127	246	251	98 -	930	1180	188600	188850
UN02959	Rsa1.0_39984.1	1177	562	0	380	397	95 +	141	536	7	402
UN02960	Rsa1.0_00087.1	1048	761073	0	494	505	97 +	1	496	56053	56557
UN02961	Rsa1.0_01352.1	693	47443	0	658	689	95 -	6	692	45244	45924
UN02962	Rsa1.0_01617.1	1224	42127	0	1115	1227	90 +	4	1217	2291	3498

UN02963	Rsa1.0.01480.1	607	44926	0	439	452	97 +	1	451	36814	37264
UN02964	Rsa1.0.00180.1	997	114581	1.00E-139	318	337	94 +	1	334	34738	35066
UN02965	Rsa1.0.00826.1	1007	166736	1.00E-115	292	317	92 -	1	305	156527	156841
UN02966	Rsa1.0.19085.1	1262	1482	0	603	642	93 -	573	1199	843	1482
UN02967	Rsa1.0.06482.1	840	10937	0	768	814	94 +	2	805	7954	8752
UN02968	Rsa1.0.02028.1	792	35857	1.00E-111	223	229	97 -	450	678	34453	34681
UN02969	Rsa1.0.00096.1	1032	198773	0	1005	1030	97 -	1	1030	97540	98569
UN02970	Rsa1.0.03046.1	1048	25784	1.00E-144	291	303	96 +	751	1043	15386	15688
UN02971	Rsa1.0.02865.1	1339	27133	0	467	480	97 +	867	1339	12296	12774
UN02972	Rsa1.0.00462.1	782	82288	1.00E-151	278	280	99 -	318	597	37812	38091
UN02973	Rsa1.0.04882.1	1000	15606	1.00E-175	314	315	99 -	345	659	7553	7867
UN02974	Rsa1.0.00891.1	1092	60724	0	1036	1063	97 -	2	1063	50532	51594
UN02975	Rsa1.0.00002.1	766	601661	1.00E-134	272	282	96 +	325	606	555743	556024
UN02976	Rsa1.0.04881.1	821	15608	0	651	667	97 -	1	663	8460	9126
UN02977	Rsa1.0.00973.1	1369	57913	0	838	842	99 +	524	1365	5808	6648
UN02978	Rsa1.0.00056.1	1142	332604	0	351	353	99 +	790	1142	313940	314292
UN02979	Rsa1.0.03529.1	2000	22277	0	1010	1010	100 -	728	1737	15606	16615
UN02980	Rsa1.0.00960.1	792	58199	1.00E-160	299	303	98 +	490	792	29999	30301
UN02981	Rsa1.0.00821.1	1066	62891	0	615	630	97 +	31	660	54395	55021
UN02982	Rsa1.0.00659.1	657	69733	1.00E-128	296	321	92 +	356	655	20560	20879
UN02983	Rsa1.0.00169.1	1813	274298	0	1773	1812	97 -	17	1810	68797	70605
UN02984	Rsa1.0.03367.1	1574	23387	1.00E-173	308	308	100 -	243	550	147	454
UN02985	Rsa1.0.02245.1	965	33478	0	887	904	98 -	16	919	11294	12191
UN02986	Rsa1.0.03005.1	923	26082	1.00E-160	353	373	94 +	559	923	10402	10774
UN02987	Rsa1.0.01859.1	1360	38073	0	645	682	94 +	685	1350	6242	6911
UN02988	Rsa1.0.00740.1	725	215972	1.00E-164	342	357	95 -	370	725	11871	12222
UN02989	Rsa1.0.00480.1	1077	81325	0	382	383	99 +	3	385	3549	3931
UN02990	Rsa1.0.08192.1	990	7762	1.00E-126	289	309	93 +	664	958	6351	6658
UN02991	Rsa1.0.00416.1	1265	86772	2.00E-77	161	164	98 -	1102	1264	4755	4918
UN02992	Rsa1.0.01124.1	1739	53295	0	1005	1027	97 +	509	1534	33250	34276
UN02993	Rsa1.0.00414.1	1384	202190	0	1064	1084	98 -	1	1081	187714	188797
UN02994	Rsa1.0.00069.1	933	403561	0	891	920	96 -	2	921	231100	232012
UN02995	Rsa1.0.02551.1	1300	30196	1.00E-130	246	249	98 -	348	596	26138	26386
UN02996	Rsa1.0.00336.1	1391	445051	0	843	854	98 -	538	1391	159561	160414
UN02997	Rsa1.0.00360.1	1742	91190	1.00E-122	242	248	97 -	152	399	7457	7704
UN02998	Rsa1.0.18326.1	508	1620	0	413	430	96 +	38	467	1196	1620
UN02999	Rsa1.0.30513.1	1302	752	0	550	565	97 -	692	1256	1	558
UN03000	Rsa1.0.02174.1	1318	34316	1.00E-126	278	294	94 +	1036	1316	13678	13970
UN03001	Rsa1.0.03590.1	1549	21889	0	1020	1088	93 +	3	1063	2552	3634

UN03002	Rsa1.0_01696.1	765	301850	0	516	541	95 -	199	730	159111	159651
UN03003	Rsa1.0_00564.1	1286	75428	0	501	526	95 -	712	1236	46259	46784
UN03004	Rsa1.0_08617.1	688	7124	0	665	701	94 -	1	688	313	1013
UN03005	Rsa1.0_30865.1	810	742	9.00E-97	228	242	94 +	553	792	1	240
UN03006	Rsa1.0_00197.1	638	109714	1.00E-124	247	254	97 +	5	258	78041	78294
UN03007	Rsa1.0_03946.1	988	19912	0	447	463	96 +	530	988	16589	17051
UN03008	Rsa1.0_00549.1	774	76473	1.00E-178	334	339	98 +	1	339	26156	26492
UN03009	Rsa1.0_01696.1	1001	301850	2.33E-156	263	263	100 -	3	265	32637	32899
UN03010	Rsa1.0_08644.1	1595	7095	1.00E-123	240	245	97 -	236	480	150	394
UN03011	Rsa1.0_01724.1	1072	40292	1.00E-105	210	215	97 -	510	724	10412	10626
UN03012	Rsa1.0_06869.1	821	10234	1.00E-103	207	210	98 +	614	821	448	657
UN03013	Rsa1.0_20968.1	927	1249	0	340	346	98 -	159	504	904	1249
UN03014	Rsa1.0_00078.1	1221	175053	0	400	407	98 +	815	1221	93430	93835
UN03015	Rsa1.0_00234.1	1122	197060	0	404	413	97 +	395	807	144150	144562
UN03016	Rsa1.0_00480.1	775	81325	0	768	776	98 +	3	775	3543	4318
UN03017	Rsa1.0_52639.1	795	433	0	432	433	99 -	103	535	1	433
UN03018	Rsa1.0_03606.1	685	21818	1.00E-110	237	247	95 -	58	304	4426	4666
UN03019	Rsa1.0_04209.1	1373	18442	0	443	447	99 +	926	1372	2017	2463
UN03020	Rsa1.0_00019.1	969	301669	1.00E-134	255	259	98 +	480	738	25352	25610
UN03021	Rsa1.0_03603.1	809	21845	0	404	421	95 +	49	463	21425	21845
UN03022	Rsa1.0_00284.1	658	323267	0	596	631	94 -	3	630	232430	233057
UN03023	Rsa1.0_00546.1	1327	76523	0	384	384	100 +	944	1327	51920	52303
UN03024	Rsa1.0_00075.1	581	146680	1.00E-161	287	287	100 -	295	581	82402	82688
UN03025	Rsa1.0_00902.1	909	60241	0	484	489	98 -	421	909	15521	16009
UN03026	Rsa1.0_00586.1	727	163802	0	439	452	97 -	284	727	154651	155101
UN03027	Rsa1.0_02505.1	1129	30703	0	905	923	98 +	205	1117	14331	15252
UN03028	Rsa1.0_15081.1	1398	2848	0	490	516	94 -	801	1315	728	1238
UN03029	Rsa1.0_00674.1	1203	193753	0	571	574	99 +	631	1202	181840	182413
UN03030	Rsa1.0_01121.1	889	53407	0	708	747	94 +	153	881	19076	19822
UN03031	Rsa1.0_13997.1	807	3934	1.00E-126	248	254	97 +	14	267	2399	2652
UN03032	Rsa1.0_04625.1	1189	16613	0	1142	1184	96 +	3	1186	8427	9603
UN03033	Rsa1.0_02859.1	999	162118	1.00E-101	227	242	93 +	2	243	142766	142996
UN03034	Rsa1.0_01385.1	1474	46782	0	795	797	99 -	673	1467	13282	14078
UN03035	Rsa1.0_04022.1	870	19534	0	629	633	99 -	194	825	7539	8171
UN03036	Rsa1.0_03885.1	1496	20256	0	709	724	97 +	772	1494	9632	10353
UN03037	Rsa1.0_00470.1	622	81968	1.00E-119	217	217	100 -	405	621	7043	7259
UN03038	Rsa1.0_03632.1	1140	21645	2.33E-156	303	315	96 -	792	1106	2985	3298
UN03039	Rsa1.0_10922.1	1109	5677	0	392	399	98 +	665	1063	1	399
UN03040	Rsa1.0_03665.1	1142	21487	2.00E-61	192	217	88 -	745	952	12880	13096

UN03041	Rsa1.0.04517.1	1818	17015	1.00E-155	306	314	97 -	1503	1815	16702	17015
UN03042	Rsa1.0.05690.1	990	12921	0	573	601	95 -	306	897	12321	12921
UN03043	Rsa1.0.00088.1	432	141341	0	423	436	97 -	1	432	47375	47810
UN03044	Rsa1.0.07868.1	1573	8387	0	765	767	99 +	805	1571	6215	6981
UN03045	Rsa1.0.06127.1	1324	11675	0	364	370	98 -	3	369	3128	3497
UN03046	Rsa1.0.01158.1	1338	52121	0	575	615	93 +	506	1120	31439	32053
UN03047	Rsa1.0.00504.1	815	79334	0	458	461	99 +	3	461	55826	56286
UN03048	Rsa1.0.00420.1	1488	86496	1.00E-152	277	278	99 +	358	635	10516	10793
UN03049	Rsa1.0.00685.1	651	68515	4.00E-89	209	223	93 +	311	533	8208	8430
UN03050	Rsa1.0.07898.1	1098	8339	0	565	578	97 +	521	1098	6826	7403
UN03051	Rsa1.0.00350.1	903	92346	1.00E-103	197	199	98 -	705	903	79680	79878
UN03052	Rsa1.0.00427.1	1878	189678	0	573	593	96 -	1	590	110678	111270
UN03053	Rsa1.0.01668.1	1748	41299	0	459	465	98 -	1285	1748	33632	34096
UN03054	Rsa1.0.00277.1	568	100132	1.00E-124	320	349	91 +	237	568	10173	10521
UN03055	Rsa1.0.09363.1	516	6425	2.00E-81	154	154	100 +	361	514	3801	3954
UN03056	Rsa1.0.00224.1	834	327530	1.00E-141	270	275	98 +	380	654	208584	208858
UN03057	Rsa1.0.05063.1	1119	14951	1.00E-152	295	302	97 -	2	303	12766	13067
UN03058	Rsa1.0.00180.1	965	114581	1.00E-129	280	294	95 -	674	964	34776	35066
UN03059	Rsa1.0.46705.1	754	483	1.00E-121	231	233	99 +	469	700	235	467
UN03060	Rsa1.0.00655.1	833	195840	2.00E-57	114	114	100 -	5	118	134770	134883
UN03061	Rsa1.0.00097.1	1404	138858	0	352	352	100 +	161	512	50294	50645
UN03062	Rsa1.0.00190.1	1600	318240	0	983	987	99 -	72	1058	126608	127594
UN03063	Rsa1.0.00101.1	1183	267193	0	357	357	100 +	825	1181	235547	235903
UN03064	Rsa1.0.00901.1	1152	60363	0	618	618	100 -	533	1150	15440	16057
UN03065	Rsa1.0.00253.1	1146	231292	1.00E-151	302	311	97 -	837	1146	208323	208633
UN03066	Rsa1.0.01147.1	1194	52391	0	372	379	98 +	269	647	37794	38171
UN03067	Rsa1.0.03638.1	818	21634	0	392	397	98 +	422	817	1353	1748
UN03068	Rsa1.0.00974.1	1335	57893	0	418	427	97 +	907	1333	32774	33200
UN03069	Rsa1.0.08348.1	777	7495	1.00E-107	200	201	99 -	577	777	1921	2121
UN03070	Rsa1.0.00152.1	803	257730	0	341	344	99 +	3	346	244035	244378
UN03071	Rsa1.0.05139.1	1398	14718	1.00E-134	270	279	96 +	596	874	5752	6030
UN03072	Rsa1.0.01061.1	1010	55349	0	499	505	98 -	328	832	29738	30241
UN03073	Rsa1.0.06041.1	1089	11861	0	675	709	95 -	381	1089	9861	10551
UN03074	Rsa1.0.01570.1	1275	43015	2.00E-95	287	323	88 -	972	1275	10807	11124
UN03075	Rsa1.0.00192.1	1374	278200	0	846	892	94 -	490	1374	98204	99091
UN03076	Rsa1.0.01156.1	1590	52147	1.00E-174	326	331	98 +	40	370	18198	18528
UN03077	Rsa1.0.02717.1	843	28458	1.00E-130	245	247	99 -	420	664	13199	13445
UN03078	Rsa1.0.00678.1	643	193163	2.00E-78	163	167	97 +	477	640	24101	24267
UN03079	Rsa1.0.00040.1	1209	324196	1.00E-164	414	451	91 -	1	441	175165	175594

UN03080	Rsa1.0_00336.1	582	445051	0	502	526	95 -	1	522	221235	221748
UN03081	Rsa1.0_00198.1	1069	222963	1.00E-167	328	338	97 -	609	946	139194	139531
UN03082	Rsa1.0_00336.1	813	445051	1.00E-103	213	219	97 -	503	720	164725	164943
UN03083	Rsa1.0_01679.1	882	146876	1.00E-179	372	390	95 +	2	381	132696	133080
UN03084	Rsa1.0_00191.1	955	316976	1.00E-174	322	326	98 +	3	328	140937	141262
UN03085	Rsa1.0_00698.1	1382	67816	0	479	488	98 -	2	489	65744	66230
UN03086	Rsa1.0_02356.1	1199	141500	0	1046	1078	97 -	118	1194	128737	129811
UN03087	Rsa1.0_00420.1	946	86496	1.00E-65	137	140	97 -	499	638	67496	67635
UN03088	Rsa1.0_02157.1	1260	149652	0	447	449	99 +	731	1179	147090	147538
UN03089	Rsa1.0_08562.1	919	7193	0	374	379	98 +	5	380	333	711
UN03090	Rsa1.0_00018.1	1324	410899	0	436	457	95 +	872	1318	68738	69191
UN03091	Rsa1.0_01321.1	1234	48248	0	375	389	96 +	33	419	34818	35202
UN03092	Rsa1.0_02682.1	907	28711	0	861	906	95 +	4	901	9620	10525
UN03093	Rsa1.0_01882.1	1265	37697	0	919	956	96 -	1	949	23907	24859
UN03094	Rsa1.0_07850.1	1634	8423	0	1630	1636	99 -	1	1634	3704	5339
UN03095	Rsa1.0_00534.1	917	77361	0	338	340	99 +	1	340	28353	28692
UN03096	Rsa1.0_00184.1	960	218748	0	461	464	99 -	496	959	51747	52210
UN03097	Rsa1.0_00027.1	813	283362	1.00E-154	295	301	98 -	415	715	115850	116150
UN03098	Rsa1.0_00048.1	937	167185	1.00E-96	234	248	94 -	8	254	33623	33868
UN03099	Rsa1.0_01313.1	1243	48387	1.00E-111	217	221	98 +	930	1150	19753	19973
UN03100	Rsa1.0_03870.1	864	20362	0	815	860	94 -	1	859	266	1097
UN03101	Rsa1.0_10304.1	1227	5896	0	507	510	99 +	2	511	5359	5868
UN03102	Rsa1.0_03873.1	841	20360	1.00E-159	293	296	98 +	546	841	4285	4580
UN03103	Rsa1.0_01580.1	1242	42852	1.00E-175	354	364	97 -	170	531	31149	31511
UN03104	Rsa1.0_01521.1	995	142147	1.00E-145	281	286	98 +	8	292	6842	7127
UN03105	Rsa1.0_00323.1	787	159650	0	411	413	99 -	6	418	148152	148564
UN03106	Rsa1.0_02755.1	1098	28212	0	1006	1109	90 -	1	1089	2152	3258
UN03107	Rsa1.0_00191.1	549	316976	1.00E-162	309	314	98 -	6	318	142530	142843
UN03108	Rsa1.0_02015.1	1218	36008	0	467	482	96 +	499	980	3355	3836
UN03109	Rsa1.0_04425.1	1925	17406	0	859	861	99 -	1	861	1	861
UN03110	Rsa1.0_01309.1	513	48556	3.00E-21	56	57	98 -	26	82	35344	35400
UN03111	Rsa1.0_01016.1	831	181422	0	649	653	99 -	178	829	158103	158755
UN03112	Rsa1.0_04140.1	1034	18879	0	1013	1033	98 -	1	1032	14391	15423
UN03113	Rsa1.0_01579.1	826	42860	0	485	500	97 -	16	514	23243	23733
UN03114	Rsa1.0_08630.1	478	7104	0	453	482	93 -	2	478	5852	6333
UN03115	Rsa1.0_04540.1	1317	16934	0	1290	1322	97 -	1	1317	7370	8690
UN03116	Rsa1.0_01282.1	1263	49304	1.00E-126	291	313	92 -	39	351	8878	9176
UN03117	Rsa1.0_41755.1	1391	538	2.00E-96	200	206	97 -	164	366	333	538
UN03118	Rsa1.0_01448.1	481	45645	0	442	468	94 -	3	460	16268	16734

UN03119	Rsa1.0_01101.1	890	54031	1.00E-132	260	267	97 -	4	270	41580	41846
UN03120	Rsa1.0_02201.1	1208	33981	0	339	342	99 -	1	342	23386	23727
UN03121	Rsa1.0_02836.1	1332	27481	0	519	538	96 +	527	1064	5020	5556
UN03122	Rsa1.0_07823.1	885	8468	1.00E-144	296	308	96 -	225	532	4793	5100
UN03123	Rsa1.0_00595.1	270	341648	7.00E-61	192	218	88 +	62	269	193427	193634
UN03124	Rsa1.0_00125.1	1000	253043	0	778	808	96 +	186	983	203048	203854
UN03125	Rsa1.0_01147.1	784	52391	0	549	565	97 +	1	558	17652	18214
UN03126	Rsa1.0_11641.1	1171	5453	0	482	486	99 -	2	487	230	715
UN03127	Rsa1.0_04181.1	960	18615	0	950	960	98 -	1	959	16411	17370
UN03128	Rsa1.0_00005.1	1395	353093	0	672	713	94 +	336	1046	275726	276436
UN03129	Rsa1.0_00038.1	927	314568	1.00E-144	331	358	92 -	1	340	176457	176813
UN03130	Rsa1.0_00564.1	1303	75428	1.00E-149	298	308	96 +	63	370	46351	46658
UN03131	Rsa1.0_04109.1	615	19000	0	552	571	96 -	1	569	8583	9150
UN03132	Rsa1.0_00020.1	1407	283099	0	1389	1407	98 -	1	1407	176342	177745
UN03133	Rsa1.0_01732.1	1462	40194	0	1276	1277	99 -	186	1462	24245	25520
UN03134	Rsa1.0_02705.1	670	28535	0	643	660	97 -	3	662	2205	2861
UN03135	Rsa1.0_03247.1	1145	24371	0	808	838	96 +	1	836	11707	12544
UN03136	Rsa1.0_00329.1	1249	222544	0	539	569	94 +	22	589	72488	73053
UN03137	Rsa1.0_11201.1	565	5585	1.00E-131	332	361	91 -	19	375	3824	4181
UN03138	Rsa1.0_01269.1	1335	49622	1.00E-132	281	294	95 +	1	294	14013	14304
UN03139	Rsa1.0_00068.1	1043	151813	1.00E-116	248	260	95 -	782	1041	147810	148063
UN03140	Rsa1.0_24850.1	458	964	1.00E-167	343	358	95 -	5	362	261	618
UN03141	Rsa1.0_00012.1	965	222148	0	355	355	100 -	2	356	210339	210693
UN03142	Rsa1.0_02064.1	1058	35476	1.00E-158	320	332	96 +	283	614	5466	5797
UN03143	Rsa1.0_00503.1	779	79468	0	684	687	99 -	3	688	3854	4540
UN03144	Rsa1.0_00013.1	1151	292129	0	799	903	88 -	12	904	22577	23477
UN03145	Rsa1.0_06720.1	1156	10473	0	1122	1156	97 +	1	1155	3867	5009
UN03146	Rsa1.0_00273.1	962	326186	1.00E-154	276	276	100 +	1	276	249003	249278
UN03147	Rsa1.0_05384.1	123	13960	2.00E-49	111	115	96 +	9	123	1088	1202
UN03148	Rsa1.0_00238.1	1007	193193	0	537	555	96 +	2	548	192075	192627
UN03149	Rsa1.0_00152.1	897	257730	0	458	462	99 +	1	462	85532	85993
UN03150	Rsa1.0_01124.1	1298	53295	0	1205	1256	95 +	1	1243	50470	51721
UN03151	Rsa1.0_11740.1	752	5423	0	539	570	94 +	188	751	4551	5119
UN03152	Rsa1.0_02142.1	1114	34633	0	446	464	96 +	652	1112	20960	21423
UN03153	Rsa1.0_01768.1	950	138463	1.00E-163	439	480	91 -	1	465	123667	124145
UN03154	Rsa1.0_01147.1	1001	52391	0	641	651	98 -	1	651	1559	2209
UN03155	Rsa1.0_01316.1	844	48325	0	843	844	99 -	1	843	5709	6552
UN03156	Rsa1.0_02750.1	893	28239	1.00E-145	262	262	100 +	3	264	22863	23124
UN03157	Rsa1.0_00413.1	1566	86921	0	762	791	96 -	758	1548	71434	72224

UN03158	Rsa1.0.00844.1	562	62403	0	364	375	97 -	189	562	19081	19455
UN03159	Rsa1.0.00037.1	1459	307838	0	679	691	98 -	3	685	261462	262152
UN03160	Rsa1.0.01190.1	1014	194501	0	822	876	93 +	1	863	37247	38111
UN03161	Rsa1.0.00207.1	1447	248736	0	849	850	99 -	3	852	194940	195789
UN03162	Rsa1.0.00020.1	1162	283099	0	450	459	98 +	3	461	102867	103322
UN03163	Rsa1.0.00972.1	672	57937	9.00E-75	165	171	96 -	183	352	52543	52713
UN03164	Rsa1.0.00419.1	777	86562	0	753	767	98 -	11	777	56772	57535
UN03165	Rsa1.0.02038.1	1822	35715	0	631	631	100 -	1086	1716	7868	8498
UN03166	Rsa1.0.07875.1	1321	8374	0	562	563	99 +	434	996	2487	3049
UN03167	Rsa1.0.00673.1	750	69325	1.00E-148	272	274	99 +	3	276	48658	48931
UN03168	Rsa1.0.00275.1	1050	210104	0	605	618	97 -	411	1028	154998	155614
UN03169	Rsa1.0.00207.1	1463	248736	0	939	948	99 +	1	948	52530	53477
UN03170	Rsa1.0.01951.1	1331	36941	0	1330	1333	99 -	1	1331	5929	7261
UN03171	Rsa1.0.00139.1	1021	357786	1.00E-114	280	301	93 +	726	1018	275224	275524
UN03172	Rsa1.0.00991.1	420	143101	1.00E-123	224	224	100 -	1	224	138346	138569
UN03173	Rsa1.0.00491.1	1134	80219	0	1023	1093	93 -	1	1076	75459	76542
UN03174	Rsa1.0.00223.1	1157	106231	0	572	578	98 +	440	1017	71134	71711
UN03175	Rsa1.0.06564.1	1393	10765	0	836	870	96 -	523	1387	9799	10659
UN03176	Rsa1.0.03728.1	898	21147	0	492	522	94 +	2	523	3494	4003
UN03177	Rsa1.0.00910.1	885	59975	0	860	893	96 -	2	883	27250	28142
UN03178	Rsa1.0.00197.1	834	109714	0	358	360	99 -	1	360	93155	93514
UN03179	Rsa1.0.01098.1	1035	54215	2.00E-52	142	154	92 -	880	1033	40131	40284
UN03180	Rsa1.0.01696.1	1087	301850	1.00E-129	250	254	98 -	1	253	293333	293586
UN03181	Rsa1.0.03452.1	1008	22817	0	1002	1010	99 -	1	1007	2642	3651
UN03182	Rsa1.0.02239.1	707	33534	0	397	410	96 +	1	407	14846	15252
UN03183	Rsa1.0.00044.1	1064	271658	0	550	571	96 -	1	570	6694	7258
UN03184	Rsa1.0.13906.1	377	4114	1.00E-100	262	284	92 +	2	285	1190	1469
UN03185	Rsa1.0.00631.1	1004	71277	0	539	552	97 -	1	552	48255	48806
UN03186	Rsa1.0.06133.1	1068	11663	0	1013	1026	98 +	43	1067	8486	9501
UN03187	Rsa1.0.20514.1	2228	1297	1.00E-135	246	246	100 +	67	312	50	295
UN03188	Rsa1.0.01739.1	2010	40068	0	1144	1204	95 +	821	2010	8211	9405
UN03189	Rsa1.0.00628.1	1169	214360	0	904	906	99 +	264	1169	8480	9385
UN03190	Rsa1.0.04066.1	812	19262	1.00E-24	68	71	95 -	1	71	8483	8553
UN03191	Rsa1.0.00523.1	735	178770	0	507	524	96 +	2	522	29584	30106
UN03192	Rsa1.0.00222.1	1381	172263	0	606	625	96 -	763	1381	39667	40291
UN03193	Rsa1.0.00225.1	1166	105892	1.00E-173	324	329	98 -	811	1139	53905	54233
UN03194	Rsa1.0.01933.1	1336	37172	1.00E-169	311	314	99 -	3	316	13625	13938
UN03195	Rsa1.0.06932.1	825	10145	1.00E-165	294	294	100 +	532	825	142	435
UN03196	Rsa1.0.00469.1	1036	82084	1.00E-179	328	331	99 -	320	650	66858	67188

UN03197	Rsa1.0_00475.1	722	81678	2.00E-35	148	167	88 +	63	224	674	839
UN03198	Rsa1.0_30366.1	1311	756	0	732	756	96 -	302	1055	1	756
UN03199	Rsa1.0_01527.1	803	43905	1.00E-163	292	292	100 -	511	802	19317	19608
UN03200	Rsa1.0_06309.1	811	11263	1.00E-135	268	275	97 -	3	275	7759	8033
UN03201	Rsa1.0_18610.1	1195	1565	1.00E-103	229	240	95 +	555	791	1220	1457
UN03202	Rsa1.0_00082.1	925	237584	1.00E-175	374	390	95 +	1	376	55282	55670
UN03203	Rsa1.0_00237.1	750	235974	0	387	392	98 +	2	393	214301	214689
UN03204	Rsa1.0_00034.1	1805	260119	0	453	473	95 +	1335	1805	28435	28901
UN03205	Rsa1.0_00033.1	1385	515811	0	763	836	91 +	1	816	36184	36994
UN03206	Rsa1.0_00587.1	1494	73982	0	867	892	97 -	2	886	22418	23307
UN03207	Rsa1.0_00060.1	714	502678	1.00E-109	265	286	92 -	423	705	499397	499682
UN03208	Rsa1.0_02970.1	404	26372	0	398	404	98 -	1	404	8468	8870
UN03209	Rsa1.0_00032.1	1096	306326	0	605	635	95 -	463	1085	284767	285401
UN03210	Rsa1.0_01634.1	1098	41865	0	434	452	96 -	647	1096	1106	1551
UN03211	Rsa1.0_08019.1	998	8075	0	355	355	100 +	304	658	3265	3619
UN03212	Rsa1.0_02955.1	1398	26484	0	618	651	94 -	756	1395	17256	17899
UN03213	Rsa1.0_04744.1	1216	16154	1.00E-142	332	352	94 +	869	1216	7259	7609
UN03214	Rsa1.0_01140.1	1265	52586	0	633	656	96 +	167	822	31183	31838
UN03215	Rsa1.0_00337.1	818	143174	3.00E-90	221	240	92 -	187	426	141486	141710
UN03216	Rsa1.0_00065.1	1605	454616	0	1026	1032	99 -	527	1558	443700	444731
UN03217	Rsa1.0_00241.1	1245	104000	0	1041	1051	99 -	1	1051	89741	90788
UN03218	Rsa1.0_00040.1	1182	324196	0	864	900	96 +	288	1182	230200	231098
UN03219	Rsa1.0_01110.1	706	195852	0	409	424	96 -	1	424	185543	185966
UN03220	Rsa1.0_01936.1	533	37151	2.00E-99	449	532	84 -	22	533	18243	18755
UN03221	Rsa1.0_01462.1	571	45231	1.00E-134	278	292	95 -	280	571	25445	25725
UN03222	Rsa1.0_00507.1	958	79074	0	935	961	97 +	2	958	77176	78135
UN03223	Rsa1.0_00065.1	928	454616	0	424	431	98 -	498	928	444301	444731
UN03224	Rsa1.0_01249.1	191	188432	6.00E-45	147	163	90 +	29	191	150849	151008
UN03225	Rsa1.0_00738.1	687	66322	0	390	393	99 -	1	393	26036	26428
UN03226	Rsa1.0_00104.1	826	368722	1.00E-147	264	264	100 +	1	264	333196	333459
UN03227	Rsa1.0_15193.1	802	2768	0	371	371	100 +	3	373	1298	1668
UN03228	Rsa1.0_02203.1	1038	164532	0	548	588	93 +	349	935	148518	149102
UN03229	Rsa1.0_02523.1	585	30527	6.00E-88	171	173	98 -	3	175	10966	11138
UN03230	Rsa1.0_02074.1	733	35370	0	433	445	97 -	289	733	12083	12527
UN03231	Rsa1.0_00645.1	1431	189716	0	420	421	99 +	2	422	33293	33713
UN03232	Rsa1.0_01245.1	1034	149868	0	475	493	96 -	541	1033	40921	41413
UN03233	Rsa1.0_01791.1	1182	160383	0	455	463	98 -	719	1181	155276	155735
UN03234	Rsa1.0_11079.1	454	5624	0	432	451	95 -	4	454	5077	5525
UN03235	Rsa1.0_03315.1	692	23797	1.00E-107	198	198	100 +	3	200	924	1121

UN03236	Rsa1.0_01039.1	912	55946	1.00E-106	202	204	99 +	3	206	26961	27164
UN03237	Rsa1.0_00094.1	913	139042	0	506	531	95 -	2	532	25774	26304
UN03238	Rsa1.0_02550.1	538	291051	0	531	537	98 -	2	537	282468	283001
UN03239	Rsa1.0_04948.1	1050	15356	0	721	753	95 -	4	756	12946	13698
UN03240	Rsa1.0_00304.1	818	97429	0	393	402	97 -	417	818	31748	32145
UN03241	Rsa1.0_00706.1	796	291570	4.00E-80	174	180	96 +	3	182	160967	161145
UN03242	Rsa1.0_04191.1	1011	18578	0	435	439	99 -	3	441	7426	7864
UN03243	Rsa1.0_01101.1	1366	54031	1.00E-141	264	267	98 -	883	1149	22500	22766
UN03244	Rsa1.0_00497.1	1134	79830	0	904	936	96 -	3	934	6527	7459
UN03245	Rsa1.0_00711.1	984	67223	0	354	354	100 -	1	354	59902	60255
UN03246	Rsa1.0_06274.1	688	11343	1.00E-174	369	385	95 +	172	554	7108	7486
UN03247	Rsa1.0_11186.1	969	5590	0	394	397	99 +	146	542	436	832
UN03248	Rsa1.0_00127.1	941	127446	0	449	480	93 -	462	926	56170	56649
UN03249	Rsa1.0_03074.1	1134	25568	0	426	426	100 -	426	851	16751	17176
UN03250	Rsa1.0_00205.1	606	193401	0	348	353	98 +	254	606	38432	38784
UN03251	Rsa1.0_00115.1	1378	131321	1.00E-169	379	399	94 +	845	1238	68836	69232
UN03252	Rsa1.0_00427.1	839	189678	2.00E-91	177	179	98 -	257	435	183909	184087
UN03253	Rsa1.0_16916.1	718	1990	0	623	639	97 -	64	702	8	641
UN03254	Rsa1.0_03169.1	1000	24826	1.00E-147	302	314	96 -	16	325	18033	18346
UN03255	Rsa1.0_01377.1	1069	46967	4.00E-81	169	174	97 +	776	949	21582	21755
UN03256	Rsa1.0_13611.1	1410	4641	0	621	642	96 -	742	1364	4000	4641
UN03257	Rsa1.0_04203.1	755	18479	0	450	460	97 -	3	462	17886	18342
UN03258	Rsa1.0_01530.1	921	43820	0	710	718	98 -	2	719	18245	18961
UN03259	Rsa1.0_00740.1	780	215972	0	669	702	95 -	4	705	9972	10664
UN03260	Rsa1.0_03569.1	1416	22041	0	352	356	98 -	4	359	14787	15142
UN03261	Rsa1.0_00529.1	438	77487	1.00E-69	186	199	93 -	240	436	25100	25293
UN03262	Rsa1.0_01105.1	682	53958	1.00E-119	244	252	96 -	410	659	7729	7980
UN03263	Rsa1.0_00816.1	711	403350	2.00E-88	169	170	99 +	541	710	273442	273611
UN03264	Rsa1.0_05339.1	1731	14114	0	1670	1746	95 -	1	1731	7135	8879
UN03265	Rsa1.0_00329.1	1092	222544	1.00E-160	302	307	98 -	784	1090	79574	79880
UN03266	Rsa1.0_00271.1	1305	101125	1.00E-127	249	255	97 +	787	1041	25866	26120
UN03267	Rsa1.0_00176.1	981	240984	0	973	981	99 +	1	981	1936	2915
UN03268	Rsa1.0_00268.1	1048	101470	1.00E-101	312	360	86 -	4	344	61574	61913
UN03269	Rsa1.0_00121.1	1606	278029	0	413	421	98 +	284	704	41474	41894
UN03270	Rsa1.0_01879.1	959	37748	0	362	373	97 +	587	959	23051	23422
UN03271	Rsa1.0_02344.1	1916	32369	0	1764	1881	93 +	2	1880	27164	29041
UN03272	Rsa1.0_00094.1	1801	139042	0	553	578	95 +	12	588	90538	91115
UN03273	Rsa1.0_00998.1	1140	57168	1.00E-149	290	297	97 +	422	718	9918	10214
UN03274	Rsa1.0_00048.1	817	167185	0	722	724	99 -	2	725	44608	45331

UN03275	Rsa1.0.00306.1	1073	146760	0	546	552	98 -	1	552	136226	136777
UN03276	Rsa1.0.00009.1	1017	232558	0	449	461	97 +	1	460	121559	122019
UN03277	Rsa1.0.00017.1	781	752458	0	661	672	98 +	110	781	695063	695734
UN03278	Rsa1.0.05618.1	1145	13165	1.00E-116	219	221	99 -	516	736	7388	7608
UN03279	Rsa1.0.02518.1	459	30586	8.00E-59	122	124	98 -	119	242	25939	26062
UN03280	Rsa1.0.01200.1	740	50895	0	390	407	95 -	337	740	30781	31187
UN03281	Rsa1.0.01493.1	881	44670	0	491	502	97 +	3	504	5423	5924
UN03282	Rsa1.0.00067.1	992	415055	0	884	917	96 -	78	992	152049	152965
UN03283	Rsa1.0.00042.1	766	171507	1.00E-149	316	332	95 -	1	332	144822	145153
UN03284	Rsa1.0.06247.1	607	11395	1.00E-73	156	161	96 +	3	163	8715	8875
UN03285	Rsa1.0.01161.1	739	52029	1.00E-150	288	294	97 +	446	739	19876	20169
UN03286	Rsa1.0.00314.1	721	96472	1.00E-123	248	256	96 -	466	721	15658	15913
UN03287	Rsa1.0.00683.1	396	68638	3.00E-79	182	192	94 -	25	213	59008	59199
UN03288	Rsa1.0.00350.1	1339	92346	0	1321	1351	97 +	1	1339	57739	59086
UN03289	Rsa1.0.00821.1	944	62891	0	379	381	99 +	565	944	18256	18636
UN03290	Rsa1.0.05289.1	1357	14259	0	1182	1195	98 -	165	1356	2088	3281
UN03291	Rsa1.0.07208.1	792	9719	0	762	786	96 +	3	785	6506	7291
UN03292	Rsa1.0.00025.1	843	277312	4.00E-99	281	308	91 -	527	820	134694	134996
UN03293	Rsa1.0.00387.1	1236	495407	0	486	490	99 -	747	1236	354494	354981
UN03294	Rsa1.0.00336.1	1020	445051	1.00E-111	242	253	95 -	504	756	164694	164945
UN03295	Rsa1.0.07006.1	1527	10043	2.00E-86	166	167	99 +	1135	1301	9174	9340
UN03296	Rsa1.0.00979.1	1390	57733	0	713	713	100 -	676	1388	1000	1712
UN03297	Rsa1.0.00894.1	664	269700	0	650	664	97 -	2	664	101028	101688
UN03298	Rsa1.0.00855.1	808	62047	0	417	420	99 -	82	501	5071	5490
UN03299	Rsa1.0.00246.1	1129	103541	4.00E-87	170	172	98 +	618	789	75837	76008
UN03300	Rsa1.0.00360.1	765	91190	1.00E-162	302	306	98 -	460	765	49982	50287
UN03301	Rsa1.0.00341.1	1138	249309	1.00E-139	338	364	92 -	750	1110	125794	126149
UN03302	Rsa1.0.04594.1	771	16713	0	526	532	98 -	237	765	4770	5301
UN03303	Rsa1.0.00097.1	844	138858	0	344	347	99 -	493	839	113687	114033
UN03304	Rsa1.0.01224.1	921	50388	9.00E-20	110	127	86 -	26	150	39776	39902
UN03305	Rsa1.0.01980.1	1330	36544	0	645	650	99 +	6	655	15880	16529
UN03306	Rsa1.0.00115.1	680	131321	1.00E-175	343	351	97 -	332	680	97416	97765
UN03307	Rsa1.0.00310.1	796	96852	1.00E-114	212	213	99 -	584	796	39207	39419
UN03308	Rsa1.0.03105.1	1164	25373	0	663	671	98 -	3	670	17351	18021
UN03309	Rsa1.0.00867.1	918	61635	0	449	451	99 -	1	451	33487	33937
UN03310	Rsa1.0.01924.1	965	37226	1.00E-163	344	355	96 +	449	798	1369	1723
UN03311	Rsa1.0.01389.1	1061	46716	0	816	850	96 +	213	1061	45323	46169
UN03312	Rsa1.0.00594.1	1248	73729	0	488	501	97 +	744	1242	36888	37386
UN03313	Rsa1.0.05755.1	789	12730	0	622	623	99 +	83	705	11775	12397

UN03314	Rsa1.0.00159.1	866	431686	1.00E-176	352	364	96 -	15	378	210507	210867
UN03315	Rsa1.0.00748.1	754	65983	2.00E-75	156	160	97 -	332	491	16394	16553
UN03316	Rsa1.0.01844.1	1023	38421	1.00E-168	309	312	99 +	153	464	8557	8868
UN03317	Rsa1.0.00808.1	1132	63351	0	1120	1130	99 -	3	1131	29216	30345
UN03318	Rsa1.0.01767.1	1012	39615	4.00E-87	182	188	96 -	461	648	14604	14791
UN03319	Rsa1.0.02224.1	1060	33758	1.00E-135	245	245	100 -	203	447	23489	23733
UN03320	Rsa1.0.00169.1	1426	274298	0	909	949	95 -	473	1414	62059	63006
UN03321	Rsa1.0.00380.1	845	89748	1.00E-113	237	248	95 -	226	464	78451	78698
UN03322	Rsa1.0.04652.1	960	16515	3.00E-97	196	201	97 +	109	309	2822	3022
UN03323	Rsa1.0.06549.1	896	10800	0	575	591	97 -	289	874	5361	5951
UN03324	Rsa1.0.04080.1	1934	19198	0	752	814	92 +	1124	1933	9679	10485
UN03325	Rsa1.0.02935.1	548	26621	1.00E-112	228	234	97 -	3	235	25753	25981
UN03326	Rsa1.0.00324.1	1182	218805	0	382	382	100 -	444	825	168953	169334
UN03327	Rsa1.0.01236.1	811	50156	1.00E-101	196	199	98 -	611	809	40403	40601
UN03328	Rsa1.0.00714.1	669	67187	0	514	514	100 +	3	516	58147	58660
UN03329	Rsa1.0.01206.1	784	50772	0	681	703	96 -	89	783	27319	28020
UN03330	Rsa1.0.00018.1	761	410899	0	751	765	98 +	1	761	228726	229488
UN03331	Rsa1.0.04134.1	906	149811	0	725	746	97 +	3	747	5762	6507
UN03332	Rsa1.0.00566.1	781	75325	1.00E-139	276	283	97 +	491	772	23290	23572
UN03333	Rsa1.0.02071.1	1216	35409	0	640	659	97 +	561	1205	15282	15940
UN03334	Rsa1.0.06412.1	1509	11060	0	346	347	99 -	767	1113	1969	2315
UN03335	Rsa1.0.04323.1	928	17915	2.00E-94	206	216	95 -	3	218	15646	15861
UN03336	Rsa1.0.03448.1	1744	22844	1.00E-166	312	317	98 -	1148	1464	9284	9600
UN03337	Rsa1.0.00570.1	2162	75002	0	634	637	99 -	1526	2162	14738	15374
UN03338	Rsa1.0.01011.1	802	56883	0	800	802	99 -	3	802	7360	8161
UN03339	Rsa1.0.04254.1	1311	18258	0	1178	1209	97 -	85	1290	15216	16420
UN03340	Rsa1.0.02803.1	750	27715	0	342	342	100 -	199	540	10374	10715
UN03341	Rsa1.0.01249.1	1405	188432	0	399	406	98 -	7	410	174715	175117
UN03342	Rsa1.0.02666.1	1207	28915	0	859	867	99 -	341	1207	5610	6476
UN03343	Rsa1.0.01747.1	797	39881	2.33E-156	294	303	97 -	491	792	23641	23943
UN03344	Rsa1.0.00104.1	1047	368722	0	400	407	98 +	235	641	279741	280147
UN03345	Rsa1.0.03565.1	1168	22062	1.00E-170	355	371	95 -	2	372	3775	4143
UN03346	Rsa1.0.01049.1	380	55655	1.00E-125	248	255	97 +	1	255	39587	39841
UN03347	Rsa1.0.01695.1	742	40848	0	471	478	98 -	267	742	9080	9557
UN03348	Rsa1.0.00086.1	1663	439854	0	401	412	97 +	641	1052	241976	242387
UN03349	Rsa1.0.00302.1	1000	97521	0	425	432	98 +	104	535	86355	86785
UN03350	Rsa1.0.00122.1	1494	265937	0	467	502	93 -	988	1482	247379	247866
UN03351	Rsa1.0.00654.1	902	70012	1.00E-150	329	348	94 +	295	639	41118	41465
UN03352	Rsa1.0.02070.1	885	158516	0	405	420	96 +	7	426	138395	138814

UN03353	Rsa1.0_00259.1	1202	163204	0	1188	1204	98 -	1	1202	154262	155465
UN03354	Rsa1.0_00661.1	619	213041	2.00E-94	265	291	91 -	37	323	195844	196134
UN03355	Rsa1.0_13906.1	786	4114	1.00E-153	408	452	90 -	228	661	1932	2377
UN03356	Rsa1.0_00007.1	1449	239325	0	462	486	95 +	972	1449	29997	30482
UN03357	Rsa1.0_00031.1	592	179862	1.00E-130	265	274	96 -	305	578	73545	73816
UN03358	Rsa1.0_07133.1	766	9856	0	713	728	97 +	1	728	7050	7765
UN03359	Rsa1.0_00258.1	710	102381	1.00E-106	220	227	96 -	482	708	45419	45643
UN03360	Rsa1.0_18647.1	847	1560	0	347	348	99 -	498	845	585	932
UN03361	Rsa1.0_00684.1	1800	141701	0	902	925	97 -	432	1356	9291	10215
UN03362	Rsa1.0_00176.1	1426	240984	1.00E-111	217	221	98 -	713	933	4524	4744
UN03363	Rsa1.0_02462.1	1412	31158	0	839	840	99 +	3	841	5537	6376
UN03364	Rsa1.0_00134.1	922	390219	1.00E-133	300	313	95 -	22	328	154581	154893
UN03365	Rsa1.0_05713.1	1233	12855	1.00E-114	209	209	100 +	1024	1232	1	209
UN03366	Rsa1.0_01585.1	1122	42806	0	473	481	98 +	593	1065	15623	16103
UN03367	Rsa1.0_01154.1	732	52249	0	443	465	95 -	41	504	38105	38568
UN03368	Rsa1.0_02570.1	842	30000	0	822	837	98 +	5	840	5724	6556
UN03369	Rsa1.0_01182.1	758	167304	1.00E-163	317	324	97 -	1	324	14177	14499
UN03370	Rsa1.0_02514.1	1274	30642	0	980	989	99 -	286	1274	8753	9739
UN03371	Rsa1.0_00153.1	1255	192931	0	367	369	99 +	889	1255	170695	171063
UN03372	Rsa1.0_00010.1	1200	294827	0	614	634	96 -	568	1200	116378	116996
UN03373	Rsa1.0_00359.1	1528	91256	0	703	734	95 -	794	1527	76255	76982
UN03374	Rsa1.0_17830.1	1017	1729	0	611	620	98 -	104	720	904	1523
UN03375	#	#	#	#	#	#	#	#	#	#	#
UN03376	Rsa1.0_00017.1	1028	752458	0	490	499	98 +	363	861	392621	393119
UN03377	Rsa1.0_00577.1	1244	174827	1.00E-173	309	309	100 +	3	311	136416	136724
UN03378	Rsa1.0_00363.1	1305	90968	0	563	603	93 -	1	598	63275	63876
UN03379	Rsa1.0_02733.1	1068	28354	0	494	507	97 -	18	524	21873	22377
UN03380	Rsa1.0_03446.1	1003	22876	0	372	374	99 +	1	374	18481	18854
UN03381	Rsa1.0_01305.1	1366	48730	1.00E-129	237	238	99 +	352	589	12354	12591
UN03382	Rsa1.0_05900.1	1087	12295	1.00E-104	216	223	96 +	671	891	4712	4934
UN03383	Rsa1.0_00186.1	967	112669	0	497	503	98 +	3	503	58882	59382
UN03384	Rsa1.0_00779.1	1371	64568	0	461	466	98 +	2	467	20592	21057
UN03385	Rsa1.0_00457.1	531	337301	0	422	434	97 -	6	439	197550	197983
UN03386	Rsa1.0_00438.1	714	84861	0	420	420	100 -	10	429	76921	77340
UN03387	Rsa1.0_00568.1	1057	75219	0	719	720	99 +	2	721	26634	27353
UN03388	Rsa1.0_54382.1	1336	419	0	406	424	95 +	307	720	1	419
UN03389	Rsa1.0_00049.1	1257	167018	0	878	915	95 -	347	1257	78769	79681
UN03390	Rsa1.0_02238.1	893	33540	0	887	892	99 +	1	890	17205	18096
UN03391	Rsa1.0_00566.1	151	75325	8.00E-47	119	127	93 -	23	149	61498	61624

UN03392	Rsa1.0.03728.1	1236	21147	0	407	427	95 +	9	435	3578	4003
UN03393	Rsa1.0.05969.1	1290	12072	0	617	656	94 -	243	895	6377	7011
UN03394	Rsa1.0.00755.1	1330	192559	0	589	621	94 -	1	610	138958	139563
UN03395	Rsa1.0.08807.1	746	6906	0	736	746	98 -	1	746	2629	3374
UN03396	Rsa1.0.00864.1	1412	61702	0	459	460	99 -	953	1412	6569	7028
UN03397	Rsa1.0.00571.1	841	329018	3.00E-90	231	245	94 -	374	614	39794	40037
UN03398	Rsa1.0.00001.1	804	363028	0	781	807	96 -	1	804	147907	148708
UN03399	Rsa1.0.00222.1	763	172263	0	427	448	95 +	287	734	85716	86157
UN03400	Rsa1.0.01420.1	1214	46210	0	756	777	97 +	435	1211	10987	11754
UN03401	Rsa1.0.02812.1	917	27660	1.00E-173	349	361	96 +	540	899	16559	16919
UN03402	Rsa1.0.01260.1	762	49750	0	396	414	95 -	1	411	33751	34164
UN03403	Rsa1.0.00284.1	909	323267	1.00E-136	427	492	86 -	3	471	275018	275487
UN03404	Rsa1.0.01115.1	1077	183545	0	1003	1069	93 +	8	1069	168083	169149
UN03405	Rsa1.0.02029.1	487	35857	0	472	518	91 -	1	487	26144	26661
UN03406	Rsa1.0.03639.1	1022	21629	6.00E-80	195	211	92 -	3	203	4990	5200
UN03407	Rsa1.0.02931.1	1212	26654	0	1177	1214	96 -	1	1212	19523	20730
UN03408	Rsa1.0.01027.1	858	56402	0	439	441	99 +	1	440	44990	45430
UN03409	Rsa1.0.00576.1	1146	178949	0	1078	1116	96 +	30	1145	28622	29735
UN03410	Rsa1.0.00097.1	624	138858	6.00E-14	98	117	83 -	185	301	106303	106419
UN03411	Rsa1.0.01054.1	973	55470	0	960	989	97 +	1	971	23570	24556
UN03412	Rsa1.0.00738.1	1030	66322	1.00E-136	294	308	95 -	722	1027	27060	27359
UN03413	Rsa1.0.17682.1	976	1765	0	862	943	91 -	55	973	37	971
UN03414	Rsa1.0.04026.1	3219	19508	0	865	866	99 +	1	866	6275	7140
UN03415	Rsa1.0.00415.1	692	86795	0	600	621	96 +	72	692	8987	9607
UN03416	Rsa1.0.02981.1	672	26285	1.00E-140	274	280	97 +	4	283	5774	6052
UN03417	Rsa1.0.00231.1	943	105381	0	377	378	99 -	1	377	26766	27143
UN03418	Rsa1.0.03427.1	822	22992	0	425	434	97 +	107	540	1	434
UN03419	Rsa1.0.01724.1	535	40292	1.00E-130	301	322	93 +	1	312	10005	10323
UN03420	Rsa1.0.01007.1	534	56933	0	520	524	99 -	10	533	46916	47439
UN03421	Rsa1.0.05572.1	510	13291	1.00E-124	232	234	99 +	250	483	11854	12087
UN03422	Rsa1.0.00190.1	1777	318240	1.00E-179	405	431	93 -	1349	1777	300505	300925
UN03423	Rsa1.0.00173.1	727	288743	0	455	496	91 -	3	495	64738	65232
UN03424	Rsa1.0.00382.1	762	251946	0	541	549	98 -	1	546	155766	156313
UN03425	Rsa1.0.06136.1	1342	11659	0	1335	1346	99 +	1	1342	3199	4544
UN03426	Rsa1.0.01523.1	736	43959	0	589	615	95 +	4	616	26567	27173
UN03427	Rsa1.0.00635.1	648	175826	1.00E-135	329	354	92 +	1	352	123372	123721
UN03428	Rsa1.0.01951.1	690	36941	0	363	367	98 +	3	369	2054	2418
UN03429	Rsa1.0.00064.1	1436	240927	0	1265	1280	98 -	2	1277	7959	9238
UN03430	Rsa1.0.23614.1	838	1037	0	731	808	90 +	1	800	20	821

UN03431	Rsa1.0_00203.1	875	109129	1.00E-125	286	303	94 +	2	302	27426	27728
UN03432	Rsa1.0_16058.1	758	2302	1.00E-152	285	289	98 +	177	465	1139	1427
UN03433	Rsa1.0_00108.1	729	478491	1.00E-109	224	232	96 +	116	347	119259	119490
UN03434	Rsa1.0_03951.1	1035	19894	1.00E-158	291	292	99 +	2	292	2811	3102
UN03435	Rsa1.0_00734.1	829	66508	1.00E-150	321	336	95 +	2	335	50875	51209
UN03436	Rsa1.0_01642.1	789	41772	1.00E-117	228	232	98 +	3	230	20716	20947
UN03437	Rsa1.0_00451.1	1092	322533	1.00E-134	249	251	99 -	1	251	293086	293336
UN03438	Rsa1.0_00453.1	791	83031	1.00E-177	358	371	96 +	6	370	54730	55100
UN03439	Rsa1.0_04355.1	761	146733	0	555	582	95 +	3	579	3253	3831
UN03440	Rsa1.0_01735.1	1100	40128	0	736	765	96 +	336	1099	33599	34351
UN03441	Rsa1.0_08548.1	1379	7212	0	796	810	98 -	573	1379	2923	3732
UN03442	Rsa1.0_03036.1	811	25826	5.00E-95	193	197	97 -	616	811	13406	13602
UN03443	Rsa1.0_01485.1	824	44797	0	382	387	98 -	3	386	11613	11999
UN03444	Rsa1.0_00056.1	914	332604	0	445	470	94 -	4	468	96611	97079
UN03445	Rsa1.0_02353.1	1344	32300	0	603	639	94 +	1	633	30075	30701
UN03446	Rsa1.0_00453.1	835	83031	0	731	777	94 -	8	782	75551	76302
UN03447	Rsa1.0_01806.1	1065	39021	0	1060	1066	99 -	1	1065	34815	35880
UN03448	Rsa1.0_02865.1	861	27133	0	390	408	95 -	2	399	12296	12703
UN03449	Rsa1.0_02080.1	1366	35297	0	1360	1366	99 -	1	1366	13168	14533
UN03450	Rsa1.0_00740.1	1345	215972	0	612	629	97 +	716	1344	198503	199128
UN03451	Rsa1.0_00284.1	956	323267	0	581	612	94 +	1	612	287184	287792
UN03452	Rsa1.0_00471.1	1670	81897	0	329	329	100 -	1	329	10228	10556
UN03453	Rsa1.0_02957.1	897	26479	1.00E-25	178	213	83 +	416	626	14087	14298
UN03454	Rsa1.0_03093.1	892	25445	1.00E-111	234	243	96 -	1	238	3055	3295
UN03455	Rsa1.0_10193.1	1565	5950	0	384	392	97 +	510	901	661	1052
UN03456	Rsa1.0_01232.1	1301	155185	1.00E-112	219	223	98 -	288	510	131817	132039
UN03457	Rsa1.0_00067.1	1193	415055	0	1185	1192	99 -	1	1192	156898	158088
UN03458	Rsa1.0_00345.1	1169	93226	0	557	594	93 -	578	1168	54790	55365
UN03459	Rsa1.0_00380.1	789	89748	0	777	791	98 +	2	789	56563	57353
UN03460	Rsa1.0_00167.1	705	116000	0	541	559	96 +	114	672	33824	34381
UN03461	Rsa1.0_05669.1	705	12993	1.00E-178	347	356	97 -	39	394	6854	7208
UN03462	Rsa1.0_00065.1	926	454616	1.00E-126	291	306	95 -	3	306	173385	173684
UN03463	Rsa1.0_00409.1	1268	146788	0	762	804	94 -	5	808	9529	10325
UN03464	Rsa1.0_07567.1	1665	9117	0	595	604	98 +	3	606	837	1439
UN03465	Rsa1.0_00708.1	905	67366	0	488	492	99 -	1	492	63092	63580
UN03466	Rsa1.0_04126.1	772	18939	0	387	393	98 -	4	396	17496	17888
UN03467	Rsa1.0_00510.1	1366	78718	2.33E-156	347	375	92 -	87	446	28307	28681
UN03468	Rsa1.0_48789.1	1352	464	0	356	357	99 -	426	782	73	429
UN03469	Rsa1.0_00009.1	978	232558	0	460	463	99 +	1	462	29413	29875

UN03470	Rsa1.0.02787.1	786	27872	0	776	785	98 -	1	785	684	1467
UN03471	Rsa1.0.00391.1	819	183853	9.00E-66	140	144	97 +	1	144	30672	30815
UN03472	Rsa1.0.00922.1	1292	59588	5.00E-59	150	161	93 -	824	984	20072	20232
UN03473	Rsa1.0.02805.1	988	27698	1.00E-110	208	210	99 -	2	211	2636	2845
UN03474	Rsa1.0.03636.1	654	21638	1.00E-104	208	213	97 -	1	213	17912	18124
UN03475	Rsa1.0.00190.1	733	318240	0	636	691	92 +	3	677	286420	287104
UN03476	Rsa1.0.06102.1	530	11740	1.00E-173	320	323	99 +	1	321	4421	4743
UN03477	Rsa1.0.00658.1	936	69740	1.00E-162	322	328	98 +	11	336	15706	16029
UN03478	Rsa1.0.00071.1	435	345714	1.00E-125	258	267	96 +	2	267	324470	324736
UN03479	Rsa1.0.00377.1	1388	90038	0	424	428	99 -	8	435	47697	48124
UN03480	Rsa1.0.05701.1	764	12884	0	758	764	99 +	3	764	9899	10662
UN03481	Rsa1.0.00111.1	899	390088	0	419	440	95 -	453	892	4781	5217
UN03482	Rsa1.0.10645.1	1038	5771	1.00E-147	275	277	99 +	1	276	5495	5771
UN03483	Rsa1.0.01024.1	768	56569	3.00E-44	111	116	95 -	651	766	6288	6402
UN03484	Rsa1.0.03225.1	1070	24500	0	475	509	93 -	6	512	14578	15068
UN03485	Rsa1.0.00224.1	969	327530	1.00E-177	324	327	99 +	1	327	228495	228821
UN03486	Rsa1.0.00015.1	1357	561803	0	455	456	99 +	1	456	178658	179113
UN03487	Rsa1.0.11431.1	993	5510	0	392	407	96 +	2	404	839	1245
UN03488	Rsa1.0.02513.1	1031	30643	0	1021	1028	99 -	3	1029	18779	19806
UN03489	Rsa1.0.02411.1	914	31655	0	466	472	98 +	356	827	27638	28109
UN03490	Rsa1.0.02681.1	690	28711	1.00E-158	307	315	97 -	58	372	20439	20753
UN03491	Rsa1.0.02296.1	886	32920	9.00E-57	181	200	90 -	640	839	12164	12359
UN03492	Rsa1.0.11032.1	928	5640	0	569	571	99 +	71	641	5070	5640
UN03493	Rsa1.0.01403.1	743	46453	0	730	743	98 -	1	743	24737	25479
UN03494	Rsa1.0.02091.1	1408	35157	0	1213	1275	95 -	98	1367	4066	5322
UN03495	Rsa1.0.01327.1	975	48033	0	963	968	99 +	1	968	47066	48033
UN03496	Rsa1.0.00644.1	958	136881	0	367	368	99 -	1	368	31373	31740
UN03497	Rsa1.0.05354.1	801	14073	1.00E-148	310	324	95 +	341	661	5027	5350
UN03498	Rsa1.0.02622.1	1153	142402	0	652	666	97 +	488	1151	9528	10193
UN03499	Rsa1.0.05795.1	1070	12609	0	604	605	99 +	2	606	7660	8264
UN03500	Rsa1.0.14886.1	1306	2991	0	1116	1146	97 -	1	1143	1501	2637
UN03501	Rsa1.0.01139.1	1273	52601	0	468	470	99 +	802	1271	18673	19142
UN03502	Rsa1.0.00054.1	1419	162053	0	734	772	95 +	516	1272	15265	16036
UN03503	Rsa1.0.02099.1	1379	35030	0	450	450	100 +	925	1374	2291	2740
UN03504	Rsa1.0.01213.1	973	50616	0	967	971	99 -	1	971	6836	7806
UN03505	Rsa1.0.09522.1	835	6316	0	809	822	98 -	1	822	1	819
UN03506	Rsa1.0.04444.1	2120	17320	0	488	532	91 +	1	518	8362	8888
UN03507	Rsa1.0.00014.1	1213	348985	0	552	618	89 -	596	1213	331473	332065
UN03508	Rsa1.0.01073.1	1235	55030	0	1173	1235	94 -	2	1231	6030	7237

UN03509	Rsa1.0.00098.1	937	349239	2.00E-67	137	139	98 -	276	414	314363	314501
UN03510	Rsa1.0.00548.1	1070	76518	1.00E-120	232	236	98 -	3	238	62227	62462
UN03511	Rsa1.0.00112.1	944	132199	0	944	945	99 +	1	944	98359	99303
UN03512	Rsa1.0.01800.1	1037	39109	0	395	397	99 +	11	407	28395	28791
UN03513	Rsa1.0.27162.1	1448	863	1.00E-117	267	286	93 +	1170	1446	506	791
UN03514	Rsa1.0.07466.1	1149	9321	8.00E-24	100	114	87 +	1009	1122	4059	4172
UN03515	Rsa1.0.13685.1	1238	4481	3.00E-14	77	86	89 -	617	700	3795	3880
UN03516	Rsa1.0.00128.1	960	228675	1.00E-164	315	322	97 +	211	532	116359	116680
UN03517	Rsa1.0.00088.1	645	141341	1.00E-100	195	198	98 +	7	204	56606	56803
UN03518	Rsa1.0.12091.1	1148	5316	0	366	381	96 -	1	381	3852	4232
UN03519	Rsa1.0.00577.1	792	174827	0	426	447	95 +	148	591	149759	150199
UN03520	Rsa1.0.00152.1	1056	257730	0	528	541	97 +	519	1055	240049	240585
UN03521	Rsa1.0.02869.1	1279	27109	0	1275	1279	99 +	1	1279	13911	15189
UN03522	Rsa1.0.02722.1	849	28417	5.00E-92	175	176	99 +	241	416	15840	16015
UN03523	Rsa1.0.00875.1	792	61371	0	350	357	98 -	4	360	60272	60628
UN03524	Rsa1.0.05900.1	1400	12295	0	402	415	96 -	692	1103	3737	4151
UN03525	Rsa1.0.00484.1	1606	203294	0	364	365	99 -	1243	1606	135710	136074
UN03526	Rsa1.0.00048.1	629	167185	5.00E-79	237	267	88 +	2	263	32133	32381
UN03527	Rsa1.0.05413.1	1147	13834	0	750	759	98 -	182	940	4335	5093
UN03528	Rsa1.0.01400.1	696	46560	1.00E-147	311	325	95 +	3	322	11274	11598
UN03529	Rsa1.0.03148.1	1638	24989	1.00E-171	377	400	94 +	1177	1576	21012	21408
UN03530	Rsa1.0.01184.1	1236	51452	0	496	502	98 +	737	1236	50577	51078
UN03531	Rsa1.0.00022.1	1202	200461	0	740	766	96 +	189	951	162335	163100
UN03532	Rsa1.0.01228.1	1181	50238	0	437	443	98 -	2	444	2671	3113
UN03533	Rsa1.0.11552.1	1460	5472	0	942	944	99 -	517	1460	4529	5472
UN03534	Rsa1.0.02969.1	592	26390	1.00E-167	329	338	97 -	255	592	10013	10349
UN03535	Rsa1.0.00312.1	1334	96765	1.00E-124	236	239	98 +	1093	1331	67188	67426
UN03536	Rsa1.0.12829.1	780	5111	1.00E-148	336	358	93 -	3	348	1801	2158
UN03537	Rsa1.0.00833.1	899	62621	1.00E-173	308	308	100 -	592	899	8598	8905
UN03538	Rsa1.0.00222.1	1271	172263	0	1189	1259	94 -	32	1271	22592	23839
UN03539	Rsa1.0.02882.1	1144	27039	1.00E-161	313	320	97 -	824	1143	3418	3736
UN03540	Rsa1.0.02860.1	956	27207	9.00E-54	114	116	98 -	602	717	9938	10053
UN03541	Rsa1.0.02682.1	1218	28711	0	935	971	96 -	129	1096	9789	10759
UN03542	Rsa1.0.03728.1	1468	21147	1.00E-157	360	387	93 -	976	1349	3617	4003
UN03543	Rsa1.0.00487.1	1739	80674	0	1017	1046	97 -	93	1138	4125	5170
UN03544	Rsa1.0.00593.1	964	143463	1.00E-175	312	312	100 -	653	964	57024	57335
UN03545	Rsa1.0.01866.1	620	37961	1.00E-141	283	291	97 -	1	290	1850	2140
UN03546	Rsa1.0.05278.1	778	14282	2.00E-85	167	169	98 -	456	624	9732	9900
UN03547	Rsa1.0.01143.1	899	52456	0	739	755	97 -	137	891	20604	21352

UN03548	Rsa1.0.00042.1	938	171507	0	428	442	96 -	483	923	143977	144412
UN03549	Rsa1.0.02320.1	787	32575	1.00E-164	355	375	94 +	1	375	22073	22444
UN03550	Rsa1.0.00350.1	1052	92346	4.00E-87	164	164	100 -	651	814	79954	80117
UN03551	Rsa1.0.00770.1	612	64900	0	603	609	99 +	4	612	3697	4304
UN03552	Rsa1.0.00363.1	685	90968	0	424	437	97 -	249	685	13482	13913
UN03553	Rsa1.0.02750.1	984	28239	2.00E-82	190	198	95 -	59	252	23986	24182
UN03554	Rsa1.0.06701.1	886	10514	0	436	447	97 +	3	449	5788	6234
UN03555	Rsa1.0.00016.1	861	831256	1.00E-109	233	242	96 -	618	859	204654	204890
UN03556	Rsa1.0.06535.1	1411	10827	0	1340	1406	95 +	6	1410	2660	4045
UN03557	Rsa1.0.03790.1	1652	20844	1.00E-178	336	341	98 -	51	390	8731	9071
UN03558	Rsa1.0.00273.1	897	326186	0	547	547	100 -	350	896	26532	27078
UN03559	Rsa1.0.00183.1	1464	113277	0	749	781	95 +	695	1464	24804	25583
UN03560	Rsa1.0.02754.1	1058	28213	4.00E-87	189	197	95 -	1	193	2089	2285
UN03561	Rsa1.0.00055.1	811	520193	1.00E-165	388	409	94 +	387	785	163773	164181
UN03562	Rsa1.0.01923.1	820	37233	3.00E-84	168	171	98 +	98	268	35356	35526
UN03563	Rsa1.0.05026.1	1474	15095	0	432	436	99 +	1039	1474	9795	10230
UN03564	Rsa1.0.02523.1	1336	30527	0	921	928	99 -	221	1145	8432	9359
UN03565	Rsa1.0.00163.1	884	116847	1.00E-120	251	262	95 -	254	515	11140	11395
UN03566	Rsa1.0.00113.1	1251	131574	0	518	533	97 +	719	1251	130815	131338
UN03567	Rsa1.0.01092.1	910	54348	1.00E-155	281	282	99 +	628	909	51572	51853
UN03568	Rsa1.0.00556.1	1299	207212	0	466	489	95 +	822	1297	47334	47820
UN03569	Rsa1.0.21301.1	932	1217	1.00E-152	273	273	100 +	3	275	105	377
UN03570	Rsa1.0.00100.1	862	249232	1.00E-137	301	319	94 +	1	313	11198	11516
UN03571	Rsa1.0.20105.1	1006	1340	0	388	390	99 +	618	1006	457	846
UN03572	Rsa1.0.03420.1	1365	23090	0	627	632	99 -	734	1365	18006	18637
UN03573	Rsa1.0.02139.1	813	34686	1.00E-114	241	246	97 -	535	776	5667	5912
UN03574	Rsa1.0.19040.1	737	1491	1.00E-147	361	392	92 +	284	674	953	1344
UN03575	Rsa1.0.02686.1	1411	28666	2.00E-28	102	114	89 -	129	242	24224	24337
UN03576	Rsa1.0.01344.1	1075	142535	0	1027	1032	99 +	3	1033	127388	128419
UN03577	Rsa1.0.00107.1	543	431659	1.00E-141	258	259	99 +	79	337	84232	84490
UN03578	Rsa1.0.00033.1	1054	515811	0	564	570	98 +	2	571	144223	144788
UN03579	Rsa1.0.01556.1	1223	163858	0	614	640	95 -	288	927	142924	143557
UN03580	Rsa1.0.13949.1	731	4028	1.00E-144	268	271	98 +	461	731	2439	2709
UN03581	Rsa1.0.16086.1	917	2289	1.00E-124	238	242	98 +	676	917	1078	1319
UN03582	Rsa1.0.20678.1	1212	1280	1.00E-105	198	199	99 +	521	719	372	570
UN03583	Rsa1.0.07475.1	697	9292	0	457	463	98 +	3	462	6531	6993
UN03584	Rsa1.0.03280.1	877	145083	0	446	446	100 -	432	877	1611	2056
UN03585	Rsa1.0.01634.1	1318	41865	0	358	362	98 +	958	1318	34189	34550
UN03586	Rsa1.0.00566.1	820	75325	1.00E-132	276	283	97 +	495	773	23290	23572

UN03587	Rsa1.0_01975.1	1184	36578	1.00E-118	223	225	99 -	2	226	34503	34727
UN03588	Rsa1.0_00049.1	1100	167018	3.00E-17	230	291	79 +	129	419	19574	19864
UN03589	Rsa1.0_00929.1	1322	137796	1.00E-133	248	249	99 -	1	249	99706	99953
UN03590	Rsa1.0_28856.1	635	801	0	504	544	92 +	81	620	255	797
UN03591	Rsa1.0_04557.1	1117	145048	7.00E-58	127	131	96 -	136	266	137585	137715
UN03592	Rsa1.0_07444.1	710	9386	0	704	709	99 +	2	710	8109	8817
UN03593	Rsa1.0_01719.1	914	40388	1.00E-107	198	198	100 -	717	914	27267	27464
UN03594	Rsa1.0_00018.1	1536	410899	2.00E-96	199	204	97 +	57	259	122671	122874
UN03595	Rsa1.0_00066.1	1171	152418	0	496	539	92 -	635	1171	14990	15508
UN03596	Rsa1.0_00111.1	873	390088	1.00E-127	280	291	96 -	577	863	76129	76419
UN03597	Rsa1.0_01506.1	1419	44370	0	351	356	98 +	4	358	28343	28698
UN03598	Rsa1.0_01845.1	1234	38415	1.00E-155	284	286	99 +	949	1234	8035	8320
UN03599	Rsa1.0_00108.1	1168	478491	0	552	576	95 +	583	1151	77201	77775
UN03600	Rsa1.0_00019.1	737	301669	0	717	733	97 -	6	737	192346	193078
UN03601	Rsa1.0_31506.1	1191	725	0	700	745	93 +	382	1117	1	725
UN03602	Rsa1.0_00571.1	1199	329018	0	656	676	97 +	446	1119	204751	205423
UN03603	Rsa1.0_03465.1	1840	22700	0	941	982	95 -	186	1163	16546	17526
UN03604	Rsa1.0_00960.1	738	58199	0	454	454	100 +	3	456	21057	21510
UN03605	Rsa1.0_00713.1	1310	158017	0	473	489	96 -	725	1213	1180	1668
UN03606	Rsa1.0_02165.1	728	34423	1.00E-159	300	305	98 -	239	543	23089	23393
UN03607	Rsa1.0_01232.1	1207	155185	1.00E-112	219	223	98 +	678	900	131817	132039
UN03608	Rsa1.0_00088.1	742	141341	0	452	469	96 +	3	468	10088	10550
UN03609	Rsa1.0_01614.1	804	42238	1.00E-157	305	312	97 -	493	804	18880	19189
UN03610	Rsa1.0_00566.1	989	75325	1.00E-161	303	308	98 +	265	572	66997	67304
UN03611	Rsa1.0_00213.1	538	108167	7.00E-81	261	294	88 +	255	523	39818	40110
UN03612	Rsa1.0_00532.1	880	77384	0	432	433	99 -	1	432	52841	53273
UN03613	Rsa1.0_02631.1	1514	29343	0	416	419	99 +	826	1244	22559	22977
UN03614	Rsa1.0_00110.1	1271	132719	0	691	772	89 -	501	1269	49779	50543
UN03615	Rsa1.0_02826.1	959	27560	1.00E-143	286	294	97 -	666	959	14788	15075
UN03616	Rsa1.0_00678.1	600	193163	4.00E-24	73	78	93 -	160	237	26963	27040
UN03617	Rsa1.0_03761.1	760	20982	0	697	711	98 -	56	760	11391	12101
UN03618	Rsa1.0_00056.1	1319	332604	1.00E-176	479	531	90 -	800	1319	114291	114791
UN03619	Rsa1.0_00567.1	1991	75260	0	412	413	99 -	1	413	60996	61408
UN03620	Rsa1.0_64105.1	720	358	1.00E-104	211	217	97 -	291	507	120	336
UN03621	Rsa1.0_00243.1	1285	103651	0	893	921	96 -	368	1284	20396	21316
UN03622	Rsa1.0_00610.1	1963	72740	0	734	763	96 -	28	790	44345	45104
UN03623	Rsa1.0_00289.1	1249	98620	0	537	543	98 +	707	1249	25075	25617
UN03624	Rsa1.0_11393.1	1317	5521	0	417	420	99 -	4	423	205	624
UN03625	Rsa1.0_00270.1	848	101236	3.00E-75	153	156	98 -	89	244	1852	2007

UN03626	Rsa1.0.02389.1	2050	146428	0	1028	1040	98 +	1008	2047	128372	129411
UN03627	Rsa1.0.00516.1	1357	78417	0	538	555	96 -	24	578	7335	7889
UN03628	Rsa1.0.00337.1	795	143174	1.00E-92	229	247	92 -	179	425	141486	141719
UN03629	Rsa1.0.01156.1	1401	52147	0	540	581	92 -	776	1347	48765	49327
UN03630	Rsa1.0.01539.1	879	43698	6.00E-98	197	202	97 -	524	725	38016	38217
UN03631	Rsa1.0.00338.1	873	94109	0	671	685	97 -	3	687	90088	90771
UN03632	Rsa1.0.01095.1	1302	54276	0	439	451	97 -	2	449	27903	28353
UN03633	Rsa1.0.47443.1	1179	476	1.00E-71	197	222	88 +	1	222	264	464
UN03634	Rsa1.0.01146.1	576	163455	4.00E-70	165	175	94 -	158	332	41964	42138
UN03635	Rsa1.0.04040.1	778	19439	0	437	451	96 -	214	664	9830	10280
UN03636	Rsa1.0.02611.1	1136	29586	0	408	411	99 -	335	745	1337	1747
UN03637	Rsa1.0.00196.1	834	109960	1.00E-176	365	382	95 +	4	385	10148	10529
UN03638	Rsa1.0.12445.1	1651	5224	0	524	527	99 +	1125	1651	3411	3937
UN03639	Rsa1.0.01360.1	1178	47246	1.00E-162	321	330	97 -	848	1177	21073	21401
UN03640	#	#	#	#	#	#	#	#	#	#	#
UN03641	Rsa1.0.53010.1	1212	430	4.00E-81	173	178	97 -	915	1091	1	178
UN03642	Rsa1.0.08072.1	857	7955	0	695	730	95 -	131	857	2130	2858
UN03643	Rsa1.0.01640.1	1056	41822	0	504	518	97 +	2	516	36325	36839
UN03644	Rsa1.0.03506.1	1552	22416	0	684	711	96 +	3	710	7178	7878
UN03645	Rsa1.0.02093.1	793	35125	0	395	406	97 +	131	536	20234	20639
UN03646	Rsa1.0.00125.1	1197	253043	0	532	597	89 -	227	823	770	1363
UN03647	Rsa1.0.01363.1	1109	47195	0	764	793	96 -	324	1107	11032	11818
UN03648	Rsa1.0.02707.1	1338	28520	0	777	787	98 -	552	1338	16576	17360
UN03649	Rsa1.0.02411.1	791	31655	0	419	430	97 -	3	432	29042	29469
UN03650	Rsa1.0.00625.1	1294	71672	1.00E-142	308	321	95 -	975	1294	30706	31024
UN03651	Rsa1.0.00116.1	815	365886	0	751	802	93 +	3	796	211736	212531
UN03652	Rsa1.0.01799.1	1456	39127	0	580	612	94 +	1	597	2429	3040
UN03653	Rsa1.0.03028.1	996	25872	0	442	447	98 +	2	448	2851	3296
UN03654	Rsa1.0.04379.1	1338	17646	0	581	590	98 -	663	1249	4214	4803
UN03655	Rsa1.0.00039.1	995	296927	0	369	378	97 +	589	966	290916	291293
UN03656	Rsa1.0.00920.1	1256	601703	0	840	844	99 +	1	844	436590	437433
UN03657	Rsa1.0.00436.1	875	85008	1.00E-102	328	369	88 -	1	358	34234	34599
UN03658	Rsa1.0.00361.1	1318	91181	0	484	484	100 +	835	1318	79919	80402
UN03659	Rsa1.0.01559.1	642	43262	1.00E-120	253	262	96 -	1	260	2270	2530
UN03660	Rsa1.0.00816.1	720	403350	1.00E-134	267	273	97 -	1	273	154309	154578
UN03661	Rsa1.0.00661.1	879	213041	1.00E-144	295	307	96 +	573	879	203672	203978
UN03662	Rsa1.0.01333.1	1009	47929	0	563	563	100 -	3	565	29681	30243
UN03663	Rsa1.0.00412.1	1270	86935	1.00E-126	316	342	92 -	5	343	49294	49631
UN03664	Rsa1.0.00075.1	953	146680	0	916	953	96 -	1	950	28329	29281

UN03665	Rsa1.0_00839.1	939	62533	0	467	469	99 +	3	470	29345	29813
UN03666	Rsa1.0_01580.1	1091	42852	1.00E-166	387	416	93 -	1	405	40018	40433
UN03667	Rsa1.0_02914.1	519	26815	0	352	358	98 -	160	517	26110	26467
UN03668	Rsa1.0_04374.1	191	17670	4.00E-80	178	187	95 -	1	187	8052	8238
UN03669	Rsa1.0_02939.1	829	26595	0	479	510	93 +	1	498	16774	17273
UN03670	Rsa1.0_00006.1	1700	396176	1.00E-155	298	302	98 +	1398	1698	305844	306143
UN03671	Rsa1.0_03007.1	938	26070	3.00E-66	181	195	92 -	16	205	17499	17693
UN03672	Rsa1.0_01230.1	1150	50221	1.00E-121	230	233	98 +	1	233	22666	22898
UN03673	Rsa1.0_00417.1	685	395068	1.00E-152	300	309	97 +	369	677	221978	222286
UN03674	Rsa1.0_04588.1	1089	16739	1.00E-153	274	274	100 -	1	274	15917	16190
UN03675	Rsa1.0_00094.1	947	139042	1.00E-120	310	341	90 -	11	344	41073	41398
UN03676	Rsa1.0_04482.1	1709	17175	0	1313	1356	96 -	3	1353	6014	7358
UN03677	Rsa1.0_01825.1	1426	38725	0	361	362	99 -	1063	1424	21288	21649
UN03678	Rsa1.0_07638.1	1240	8967	1.00E-114	209	209	100 -	1031	1239	4347	4555
UN03679	Rsa1.0_00039.1	1043	296927	0	750	827	90 +	216	1042	219101	219927
UN03680	Rsa1.0_01344.1	946	142535	0	456	461	98 -	3	461	130981	131441
UN03681	Rsa1.0_01221.1	949	50421	0	890	949	93 -	3	948	18208	19152
UN03682	Rsa1.0_00592.1	954	73788	1.00E-118	294	318	92 +	62	370	22125	22442
UN03683	Rsa1.0_01111.1	947	53669	0	360	361	99 +	3	363	31370	31730
UN03684	Rsa1.0_02295.1	1034	149884	2.00E-98	186	187	99 -	1	187	146923	147109
UN03685	Rsa1.0_00092.1	849	659932	0	641	649	98 +	1	647	126051	126699
UN03686	Rsa1.0_02654.1	1208	29028	0	460	469	98 -	741	1207	22466	22934
UN03687	Rsa1.0_02513.1	1035	30643	0	580	602	96 +	439	1031	29577	30178
UN03688	Rsa1.0_02942.1	904	26577	0	595	626	95 -	1	620	5773	6396
UN03689	Rsa1.0_00232.1	1024	104936	1.00E-156	311	322	96 -	2	323	38388	38703
UN03690	Rsa1.0_08740.1	1008	6980	0	779	781	99 +	1	781	6200	6980
UN03691	Rsa1.0_01123.1	1137	53359	0	407	425	95 -	712	1136	29822	30246
UN03692	Rsa1.0_00145.1	813	261008	0	813	813	100 -	1	813	233358	234170
UN03693	Rsa1.0_00410.1	1633	86957	0	475	491	96 +	1150	1632	69069	69559
UN03694	Rsa1.0_02555.1	1180	30146	2.33E-156	341	365	93 -	6	368	2219	2571
UN03695	Rsa1.0_00077.1	1219	145005	0	1184	1212	97 -	10	1217	105855	107065
UN03696	Rsa1.0_16602.1	1123	2094	0	680	683	99 +	442	1123	1	683
UN03697	Rsa1.0_03553.1	1044	22150	1.00E-166	320	327	97 +	1	324	14901	15227
UN03698	Rsa1.0_00329.1	1366	222544	0	1326	1361	97 +	3	1363	60715	62072
UN03699	Rsa1.0_00116.1	868	365886	1.00E-122	238	242	98 +	19	260	239019	239259
UN03700	Rsa1.0_00336.1	1229	445051	0	780	795	98 -	434	1228	224609	225403
UN03701	Rsa1.0_01156.1	879	52147	0	433	436	99 +	4	439	18093	18528
UN03702	Rsa1.0_00476.1	548	280966	0	398	398	100 +	1	398	223006	223403
UN03703	Rsa1.0_00001.1	923	363028	0	533	537	99 -	6	542	333079	333615

UN03704	Rsa1.0_01803.1	841	173846	0	444	451	98 -	1	451	37469	37915
UN03705	Rsa1.0_02442.1	563	31355	0	398	398	100 +	1	398	24462	24859
UN03706	Rsa1.0_00061.1	635	218685	1.00E-158	304	310	98 -	2	309	100416	100725
UN03707	Rsa1.0_00079.1	814	606987	0	694	712	97 +	3	713	53242	53953
UN03708	Rsa1.0_02630.1	1087	29349	0	625	677	92 -	5	676	26496	27172
UN03709	Rsa1.0_00437.1	1349	84879	0	478	501	95 -	1	486	37648	38148
UN03710	Rsa1.0_06225.1	1301	11443	0	363	363	100 +	275	637	8432	8794
UN03711	Rsa1.0_01302.1	1264	48907	1.00E-158	293	296	98 -	5	300	2932	3227
UN03712	Rsa1.0_03345.1	847	23590	0	447	448	99 -	7	454	21924	22371
UN03713	Rsa1.0_02274.1	581	33109	0	356	361	98 -	2	360	22370	22730
UN03714	Rsa1.0_01753.1	1650	39794	0	602	624	96 +	111	734	21547	22170
UN03715	Rsa1.0_00307.1	1351	199003	1.00E-172	310	311	99 +	1040	1350	184644	184954
UN03716	Rsa1.0_00875.1	1327	61371	0	469	471	99 +	1	471	58161	58631
UN03717	Rsa1.0_03686.1	778	21387	1.00E-110	206	207	99 +	229	435	9134	9340
UN03718	Rsa1.0_02265.1	834	33233	0	574	591	97 +	2	585	9638	10228
UN03719	Rsa1.0_00322.1	716	212233	0	359	362	99 +	355	716	208091	208452
UN03720	Rsa1.0_04411.1	1468	142979	0	412	418	98 +	1	418	134958	135375
UN03721	Rsa1.0_02702.1	1175	28572	1.00E-152	353	381	92 -	3	364	6909	7288
UN03722	Rsa1.0_00502.1	1305	204180	0	431	440	97 -	865	1304	72582	73021
UN03723	Rsa1.0_00505.1	877	79323	0	864	875	98 -	2	876	27550	28424
UN03724	Rsa1.0_00005.1	889	353093	0	393	399	98 -	1	398	347680	348076
UN03725	Rsa1.0_00532.1	1197	77384	0	565	566	99 -	1	566	7546	8111
UN03726	Rsa1.0_05117.1	1096	14801	0	411	413	99 +	682	1094	13785	14197
UN03727	Rsa1.0_00069.1	971	403561	1.00E-159	291	293	99 +	593	885	179274	179566
UN03728	Rsa1.0_04411.1	861	142979	1.00E-150	280	282	99 -	1	282	128710	128990
UN03729	Rsa1.0_02045.1	1394	35650	0	334	335	99 -	1	335	22741	23075
UN03730	Rsa1.0_01069.1	1023	55113	0	1016	1020	99 +	3	1021	16393	17410
UN03731	Rsa1.0_00355.1	556	92038	0	493	499	98 +	1	499	77899	78397
UN03732	Rsa1.0_03393.1	801	23247	0	567	577	98 -	224	800	22595	23169
UN03733	Rsa1.0_00050.1	927	237174	0	805	819	98 +	1	819	85006	85823
UN03734	Rsa1.0_00639.1	1726	165873	0	526	542	97 +	842	1383	144584	145125
UN03735	Rsa1.0_13762.1	820	4370	0	533	534	99 +	1	534	3837	4370
UN03736	Rsa1.0_02798.1	886	27792	0	591	612	96 -	3	606	26142	26750
UN03737	Rsa1.0_00121.1	597	278029	1.00E-132	257	263	97 -	273	535	114461	114723
UN03738	Rsa1.0_09471.1	722	6345	1.00E-121	224	225	99 -	498	722	522	746
UN03739	Rsa1.0_00595.1	911	341648	1.00E-148	272	274	99 +	2	275	142000	142273
UN03740	Rsa1.0_08741.1	719	6977	1.00E-103	249	270	92 -	449	718	5630	5884
UN03741	Rsa1.0_00130.1	875	125737	0	530	572	92 -	2	557	28245	28815
UN03742	Rsa1.0_02902.1	1239	26907	1.00E-176	325	328	99 -	1	326	1	328

UN03743	Rsa1.0_00039.1	1389	296927	1.00E-124	257	266	96 +	8	271	210823	211088
UN03744	Rsa1.0_00282.1	1477	177799	0	611	614	99 -	4	617	172464	173077
UN03745	Rsa1.0_00931.1	727	59210	0	451	475	94 +	1	474	26244	26698
UN03746	Rsa1.0_03281.1	1332	143349	0	419	424	98 +	7	430	2518	2941
UN03747	Rsa1.0_00276.1	836	100160	0	819	822	99 +	1	822	13658	14479
UN03748	Rsa1.0_00646.1	944	70473	1.00E-154	284	285	99 +	1	284	5970	6254
UN03749	Rsa1.0_06696.1	567	10526	0	497	502	99 +	1	502	10025	10526
UN03750	Rsa1.0_03256.1	812	24305	0	486	486	100 +	4	489	22632	23117
UN03751	Rsa1.0_00116.1	864	365886	0	588	631	93 -	250	859	323520	324147
UN03752	Rsa1.0_00092.1	1218	659932	0	650	658	98 -	561	1218	510944	511601
UN03753	Rsa1.0_00381.1	572	89718	0	507	507	100 +	1	507	75991	76497
UN03754	Rsa1.0_01553.1	889	43379	0	499	515	96 -	26	538	2477	2991
UN03755	Rsa1.0_00510.1	895	78718	0	787	887	88 +	8	885	37753	38626
UN03756	Rsa1.0_00002.1	954	601661	1.00E-130	237	237	100 -	3	239	255585	255821
UN03757	Rsa1.0_00726.1	699	66734	0	681	701	97 -	1	698	4113	4813
UN03758	Rsa1.0_00305.1	1733	97308	0	1695	1729	98 -	5	1733	15688	17402
UN03759	Rsa1.0_36697.1	942	614	0	406	411	98 -	8	418	2	411
UN03760	Rsa1.0_08593.1	1441	7148	0	998	1006	99 +	2	1005	110	1114
UN03761	Rsa1.0_00377.1	1164	90038	0	701	707	99 -	456	1162	13288	13994
UN03762	Rsa1.0_00974.1	766	57893	1.00E-172	332	340	97 +	186	525	50839	51175
UN03763	Rsa1.0_00037.1	751	307838	0	745	750	99 +	1	750	33032	33781
UN03764	Rsa1.0_00268.1	1013	101470	0	835	840	99 -	1	836	52913	53752
UN03765	Rsa1.0_00913.1	878	59914	0	537	540	99 -	341	878	10711	11250
UN03766	Rsa1.0_00636.1	685	71113	7.00E-94	197	203	97 +	26	228	14419	14620
UN03767	Rsa1.0_64289.1	960	357	0	357	357	100 +	348	704	1	357
UN03768	Rsa1.0_00979.1	1245	57733	0	338	338	100 +	685	1022	31552	31889
UN03769	Rsa1.0_00012.1	1146	222148	0	338	339	99 -	806	1144	206533	206871
UN03770	Rsa1.0_00071.1	748	345714	0	685	689	99 +	1	689	214892	215579
UN03771	Rsa1.0_00026.1	996	327835	3.00E-94	211	219	96 +	2	216	3987	4205
UN03772	Rsa1.0_00190.1	863	318240	6.00E-98	188	190	98 -	372	561	119860	120049
UN03773	Rsa1.0_00589.1	141	209965	1.00E-51	130	139	93 +	1	139	196776	196914
UN03774	Rsa1.0_00059.1	1027	159650	1.00E-123	251	259	96 +	2	260	147993	148249
UN03775	Rsa1.0_01005.1	849	56967	1.00E-142	262	264	99 -	399	662	19291	19554
UN03776	Rsa1.0_00799.1	1214	63918	1.00E-149	268	268	100 -	945	1212	18668	18935
UN03777	Rsa1.0_02335.1	1285	32400	0	677	693	97 +	3	695	19673	20362
UN03778	Rsa1.0_00520.1	779	78226	0	747	774	96 -	4	777	19282	20045
UN03779	Rsa1.0_00157.1	1168	245832	0	786	789	99 +	379	1167	21355	22143
UN03780	Rsa1.0_01114.1	573	53602	0	553	556	99 -	11	564	14620	15175
UN03781	Rsa1.0_00327.1	526	94892	0	357	365	97 +	3	367	42263	42627

UN03782	Rsa1.0.00201.1	755	232851	2.00E-91	171	171	100 +	562	732	71075	71245
UN03783	Rsa1.0.02171.1	837	167557	0	407	421	96 -	416	836	11696	12116
UN03784	Rsa1.0.00136.1	987	122464	0	609	610	99 -	267	876	15000	15609
UN03785	Rsa1.0.14130.1	896	3769	5.00E-80	207	230	90 -	395	624	2861	3071
UN03786	Rsa1.0.00028.1	848	293984	0	813	853	95 -	1	848	71978	72812
UN03787	Rsa1.0.02547.1	916	30255	9.00E-91	193	200	96 -	717	916	24858	25054
UN03788	Rsa1.0.23467.1	1140	1047	0	350	352	99 -	787	1138	696	1047
UN03789	Rsa1.0.01029.1	1052	256254	0	466	484	96 -	1	480	32633	33116
UN03790	Rsa1.0.00240.1	808	104175	0	548	553	99 +	1	553	46919	47471
UN03791	Rsa1.0.00215.1	1328	201775	0	600	603	99 -	722	1324	62205	62807
UN03792	Rsa1.0.07810.1	1259	8503	0	736	744	98 +	1	744	149	892
UN03793	Rsa1.0.07849.1	1013	8425	0	532	552	96 +	461	1011	4228	4776
UN03794	Rsa1.0.01390.1	902	46695	0	426	426	100 +	477	902	16856	17281
UN03795	Rsa1.0.01771.1	1031	172709	1.00E-152	320	335	95 -	3	334	33281	33615
UN03796	Rsa1.0.00303.1	1319	97468	0	574	641	89 +	687	1319	43995	44598
UN03797	Rsa1.0.00017.1	706	752458	0	692	707	97 -	1	706	416279	416985
UN03798	Rsa1.0.00070.1	1403	150321	1.00E-124	226	226	100 +	422	647	30421	30646
UN03799	Rsa1.0.00273.1	878	326186	0	529	550	96 +	14	557	8056	8597
UN03800	Rsa1.0.02201.1	957	33981	1.00E-127	238	240	99 +	272	511	30288	30527
UN03801	Rsa1.0.02234.1	709	33618	0	371	378	98 +	332	709	1295	1672
UN03802	Rsa1.0.01924.1	993	37226	7.00E-95	195	201	97 +	367	567	1523	1723
UN03803	Rsa1.0.46626.1	653	484	2.33E-156	266	267	99 +	348	614	215	481
UN03804	Rsa1.0.00092.1	930	659932	0	537	606	88 +	267	869	502432	503004
UN03805	Rsa1.0.01600.1	853	42537	1.00E-142	260	261	99 +	2	262	24281	24541
UN03806	Rsa1.0.00838.1	1040	153820	2.00E-58	208	235	88 -	181	414	144717	144948
UN03807	Rsa1.0.06482.1	1319	10937	1.00E-157	365	396	92 -	943	1319	4040	4434
UN03808	Rsa1.0.00060.1	767	502678	0	411	417	98 +	1	417	390371	390786
UN03809	Rsa1.0.01012.1	1216	56836	0	487	524	92 -	418	938	30849	31372
UN03810	Rsa1.0.05877.1	768	12345	1.00E-147	274	277	98 +	47	323	10511	10787
UN03811	Rsa1.0.00943.1	642	58862	0	437	449	97 -	194	642	6634	7081
UN03812	Rsa1.0.04937.1	1297	15401	0	575	605	95 +	3	597	10428	11032
UN03813	Rsa1.0.00056.1	1291	332604	0	1084	1086	99 +	206	1291	47781	48865
UN03814	Rsa1.0.00414.1	815	202190	3.00E-78	202	219	92 -	160	366	79780	79997
UN03815	Rsa1.0.01026.1	1381	171624	0	500	500	100 -	3	502	155677	156176
UN03816	Rsa1.0.00482.1	1354	81162	0	402	430	93 -	773	1202	30959	31372
UN03817	Rsa1.0.00806.1	967	63674	1.00E-130	236	236	100 +	254	489	21955	22190
UN03818	Rsa1.0.00192.1	830	278200	0	340	342	99 -	261	602	226553	226894
UN03819	Rsa1.0.00911.1	1363	59943	0	1139	1155	98 -	211	1363	56165	57318
UN03820	Rsa1.0.08182.1	1754	7776	0	390	390	100 -	3	392	5212	5601

UN03821	Rsa1.0.02777.1	948	27986	1.00E-149	268	268	100 -	311	578	6968	7235
UN03822	Rsa1.0.22896.1	1267	1085	0	370	373	99 +	172	544	1	373
UN03823	Rsa1.0.00786.1	1000	64285	7.00E-95	195	201	97 +	366	566	41596	41796
UN03824	Rsa1.0.00403.1	1064	87701	0	488	498	97 +	159	656	26353	26847
UN03825	Rsa1.0.01803.1	811	173846	0	396	396	100 +	3	398	35610	36005
UN03826	Rsa1.0.00382.1	881	251946	0	387	394	98 +	4	397	155225	155618
UN03827	Rsa1.0.03059.1	1111	25711	1.00E-158	312	319	97 -	716	1031	6699	7017
UN03828	Rsa1.0.05081.1	1520	136103	1.00E-169	308	310	99 -	1211	1520	1453	1762
UN03829	Rsa1.0.00272.1	528	447836	1.00E-171	346	358	96 +	172	528	83797	84151
UN03830	Rsa1.0.01786.1	1062	133324	1.00E-99	247	267	92 -	803	1062	106779	107039
UN03831	Rsa1.0.02446.1	844	31330	0	735	818	89 -	27	844	5783	6587
UN03832	Rsa1.0.00116.1	1104	365886	1.00E-127	238	240	99 -	321	560	37389	37628
UN03833	Rsa1.0.01881.1	548	37721	0	536	543	98 -	3	545	8551	9093
UN03834	Rsa1.0.00484.1	1957	203294	1.00E-148	279	283	98 +	604	886	41096	41378
UN03835	Rsa1.0.00001.1	660	363028	0	345	346	99 +	304	649	119840	120185
UN03836	Rsa1.0.14712.1	848	3134	0	361	362	99 -	487	848	1508	1869
UN03837	Rsa1.0.01506.1	1133	44370	1.00E-172	319	323	98 -	810	1132	20975	21297
UN03838	Rsa1.0.04957.1	793	15330	1.00E-153	308	315	97 -	482	793	1601	1915
UN03839	Rsa1.0.04991.1	1181	15215	0	797	797	100 +	385	1181	9687	10483
UN03840	Rsa1.0.26193.1	1260	902	0	394	395	99 +	863	1257	1	395
UN03841	Rsa1.0.00148.1	1688	120234	0	1258	1283	98 -	417	1686	30640	31922
UN03842	Rsa1.0.00953.1	1339	145012	0	993	1159	85 -	188	1338	113868	115012
UN03843	Rsa1.0.00148.1	536	120234	0	526	537	97 +	3	534	30665	31201
UN03844	Rsa1.0.00405.1	1085	202864	0	392	399	98 -	400	794	185736	186134
UN03845	Rsa1.0.00323.1	1245	159650	0	441	441	100 +	804	1244	43841	44281
UN03846	Rsa1.0.00032.1	896	306326	0	894	894	100 -	3	896	267495	268388
UN03847	Rsa1.0.03410.1	792	23147	0	566	573	98 +	218	790	10247	10816
UN03848	Rsa1.0.00581.1	1758	163575	1.00E-112	215	218	98 +	296	513	33184	33401
UN03849	Rsa1.0.00847.1	1543	62270	0	478	481	99 +	1032	1509	50627	51107
UN03850	Rsa1.0.00745.1	799	66067	0	770	805	95 +	3	799	19659	20447
UN03851	Rsa1.0.00423.1	1670	86138	0	672	672	100 -	123	794	39541	40212
UN03852	Rsa1.0.00737.1	1132	66432	1.00E-151	365	396	92 -	745	1130	61662	62048
UN03853	Rsa1.0.00054.1	1265	162053	0	464	479	96 +	789	1265	136337	136815
UN03854	Rsa1.0.01476.1	1121	172928	1.00E-170	309	311	99 +	811	1121	9187	9497
UN03855	Rsa1.0.04474.1	711	17191	2.00E-88	176	178	98 -	535	711	15334	15511
UN03856	Rsa1.0.01419.1	1219	167402	0	1020	1052	96 -	171	1219	159720	160768
UN03857	Rsa1.0.00087.1	1725	761073	0	689	689	100 -	1036	1724	527869	528557
UN03858	Rsa1.0.00342.1	1599	93695	0	764	764	100 -	44	807	14710	15473
UN03859	Rsa1.0.01247.1	1202	49934	5.00E-96	203	211	96 +	992	1202	31079	31289

UN03860	Rsa1.0_00356.1	1101	91521	0	545	547	99 -	1	547	39827	40373
UN03861	Rsa1.0_00848.1	1309	152362	1.00E-113	248	259	95 -	50	306	19591	19848
UN03862	Rsa1.0_02254.1	809	33344	0	417	418	99 +	392	809	4778	5194
UN03863	Rsa1.0_01296.1	805	49035	1.00E-102	201	205	98 -	562	766	9970	10174
UN03864	Rsa1.0_00301.1	715	365315	0	414	430	96 -	18	443	57406	57835
UN03865	Rsa1.0_01130.1	746	52929	1.00E-111	216	220	98 +	281	500	33004	33223
UN03866	Rsa1.0_00421.1	1561	86365	1.00E-145	331	350	94 -	1203	1552	75833	76174
UN03867	Rsa1.0_02978.1	736	26304	0	519	566	91 +	1	564	21308	21873
UN03868	Rsa1.0_00024.1	790	188018	1.00E-165	347	367	94 +	21	375	84731	85097
UN03869	Rsa1.0_00234.1	1061	197060	0	593	611	97 +	2	611	3831	4441
UN03870	Rsa1.0_00010.1	883	294827	8.00E-85	245	272	90 -	606	867	135567	135837
UN03871	Rsa1.0_02914.1	506	26815	0	352	359	98 -	148	504	26109	26467
UN03872	Rsa1.0_03399.1	843	23204	0	840	841	99 -	3	843	11022	11862
UN03873	Rsa1.0_00200.1	1004	162016	1.00E-111	210	212	99 -	97	308	80374	80585
UN03874	Rsa1.0_08791.1	790	6918	1.00E-140	267	271	98 -	512	782	4600	4867
UN03875	Rsa1.0_06032.1	732	11886	2.00E-78	239	269	88 -	16	275	10750	11012
UN03876	Rsa1.0_00345.1	1543	93226	0	415	430	96 -	549	978	25584	26013
UN03877	Rsa1.0_02128.1	1068	34758	0	451	496	90 -	3	469	25609	26104
UN03878	Rsa1.0_13838.1	1807	4236	0	524	528	99 +	3	528	1110	1637
UN03879	Rsa1.0_02528.1	958	30452	1.00E-163	307	311	98 -	650	958	136	446
UN03880	Rsa1.0_00472.1	503	398134	0	493	502	98 +	1	502	283481	283978
UN03881	Rsa1.0_01412.1	743	46311	0	370	373	99 -	363	735	10246	10616
UN03882	Rsa1.0_00101.1	831	267193	1.00E-149	303	312	97 -	480	789	194779	195090
UN03883	Rsa1.0_25317.1	1455	941	0	626	644	97 -	813	1455	296	939
UN03884	Rsa1.0_03100.1	882	25411	0	656	660	99 -	223	882	19524	20183
UN03885	Rsa1.0_03543.1	1222	22185	0	614	625	98 -	469	1093	15844	16464
UN03886	Rsa1.0_00094.1	1335	139042	1.00E-103	218	226	96 +	263	485	134442	134667
UN03887	Rsa1.0_06990.1	878	10060	0	829	874	94 +	7	861	4341	5204
UN03888	Rsa1.0_01204.1	1436	50843	0	1406	1428	98 +	10	1436	7030	8457
UN03889	Rsa1.0_02874.1	786	27070	1.00E-117	221	223	99 -	110	332	770	992
UN03890	Rsa1.0_02276.1	786	33098	0	525	540	97 -	239	773	23905	24441
UN03891	Rsa1.0_00016.1	1012	831256	0	579	586	98 -	21	606	6600	7183
UN03892	Rsa1.0_00419.1	771	86562	0	412	414	99 -	358	771	15419	15832
UN03893	Rsa1.0_02210.1	1339	33857	0	476	490	97 -	854	1339	22539	23023
UN03894	Rsa1.0_02141.1	1238	34677	0	711	714	99 +	527	1238	13105	13818
UN03895	Rsa1.0_00630.1	1049	71281	1.00E-126	262	273	95 -	777	1049	34386	34658
UN03896	Rsa1.0_00079.1	1181	606987	0	645	660	97 -	3	662	4651	5310
UN03897	Rsa1.0_01929.1	1109	37191	0	339	341	99 +	251	591	9108	9448
UN03898	Rsa1.0_00092.1	1231	659932	0	1068	1078	99 -	125	1199	21129	22206

UN03899	Rsa1.0_01768.1	1201	138463	1.00E-120	257	268	95 -	932	1199	120034	120300
UN03900	Rsa1.0_02375.1	832	32026	1.00E-77	211	232	90 +	1	232	29150	29381
UN03901	Rsa1.0_04387.1	1204	17625	1.00E-148	267	267	100 +	495	761	15904	16170
UN03902	Rsa1.0_00777.1	1820	191865	0	402	403	99 +	119	521	180529	180931
UN03903	Rsa1.0_02070.1	856	158516	3.00E-87	176	180	97 -	677	856	140096	140275
UN03904	Rsa1.0_08426.1	717	7373	1.00E-129	235	235	100 +	483	717	6644	6878
UN03905	Rsa1.0_19744.1	1089	1389	1.00E-105	209	211	99 -	22	230	1179	1389
UN03906	Rsa1.0_02478.1	1195	150183	0	918	957	95 -	249	1193	28837	29791
UN03907	Rsa1.0_02232.1	1331	33659	0	674	695	96 +	643	1331	15141	15835
UN03908	Rsa1.0_01882.1	827	37697	0	642	651	98 -	178	825	13442	14092
UN03909	Rsa1.0_00250.1	696	273771	0	415	436	95 -	261	696	231503	231935
UN03910	Rsa1.0_01727.1	640	40243	1.00E-172	313	315	99 +	221	535	23645	23959
UN03911	Rsa1.0_00265.1	853	220635	0	510	510	100 +	337	846	176079	176588
UN03912	Rsa1.0_05384.1	2023	13960	0	841	841	100 -	3	843	2553	3393
UN03913	Rsa1.0_00628.1	775	214360	1.00E-130	239	240	99 -	202	441	66081	66320
UN03914	Rsa1.0_00045.1	1166	328694	1.00E-123	311	342	90 +	3	340	91541	91864
UN03915	Rsa1.0_03109.1	1268	25336	0	678	702	96 +	567	1268	3130	3818
UN03916	Rsa1.0_00178.1	1201	114861	5.00E-93	226	243	93 -	31	273	32804	33037
UN03917	Rsa1.0_00039.1	1292	296927	0	372	372	100 -	321	692	16707	17078
UN03918	Rsa1.0_02314.1	1189	32642	0	651	661	98 -	4	660	5396	6056
UN03919	Rsa1.0_00497.1	816	79830	0	373	373	100 +	3	375	75694	76066
UN03920	Rsa1.0_02765.1	1474	28141	0	408	416	98 -	1065	1474	16290	16705
UN03921	Rsa1.0_00025.1	1264	277312	3.00E-45	106	110	96 -	1058	1167	47859	47968
UN03922	Rsa1.0_00175.1	1530	166121	3.00E-70	142	144	98 +	1029	1172	28296	28439
UN03923	Rsa1.0_06075.1	818	11805	0	440	445	98 -	374	818	3939	4383
UN03924	Rsa1.0_01104.1	1653	285480	0	414	417	99 +	1238	1653	268402	268818
UN03925	Rsa1.0_42244.1	1694	531	1.00E-116	213	213	100 +	12	224	319	531
UN03926	Rsa1.0_00974.1	1151	57893	1.00E-158	327	342	95 -	514	849	6312	6653
UN03927	Rsa1.0_01495.1	1358	44613	0	1270	1320	96 +	3	1314	15583	16900
UN03928	Rsa1.0_00133.1	1024	123768	0	331	331	100 +	205	535	33145	33475
UN03929	Rsa1.0_00727.1	651	66724	1.00E-122	270	281	96 -	367	641	14960	15240
UN03930	Rsa1.0_00789.1	1322	64233	0	519	548	94 +	781	1320	34406	34948
UN03931	Rsa1.0_35196.1	731	643	0	405	427	94 +	148	555	217	643
UN03932	Rsa1.0_00196.1	893	109960	1.00E-107	234	244	95 +	607	849	72827	73068
UN03933	Rsa1.0_00706.1	865	291570	1.00E-160	305	311	98 +	135	445	32346	32656
UN03934	Rsa1.0_00751.1	1184	65759	0	487	493	98 -	222	714	46552	47044
UN03935	Rsa1.0_01586.1	1077	42804	0	407	426	95 +	1	420	30183	30604
UN03936	Rsa1.0_00975.1	890	57865	0	855	894	95 -	1	890	55313	56203
UN03937	Rsa1.0_00964.1	716	316648	0	700	716	97 +	1	716	304594	305309

UN03938	Rsa1.0.00451.1	1266	322533	5.00E-87	211	229	92 +	754	982	284872	285088
UN03939	Rsa1.0.00409.1	860	146788	0	459	461	99 -	398	858	84601	85061
UN03940	Rsa1.0.01707.1	933	40686	0	388	390	99 -	330	719	18514	18903
UN03941	Rsa1.0.00016.1	879	831256	0	409	417	98 +	461	877	795321	795737
UN03942	Rsa1.0.00152.1	1277	257730	0	583	618	94 -	1	618	118021	118629
UN03943	Rsa1.0.00013.1	571	292129	1.00E-150	369	396	93 +	160	548	2789	3180
UN03944	Rsa1.0.00383.1	670	398431	0	663	665	99 -	4	668	186021	186685
UN03945	Rsa1.0.00044.1	1272	271658	0	445	452	98 +	434	885	270014	270465
UN03946	Rsa1.0.00437.1	1024	84879	0	607	614	98 -	14	627	39452	40065
UN03947	Rsa1.0.00354.1	919	232005	1.00E-122	265	278	95 -	643	919	192325	192602
UN03948	Rsa1.0.01434.1	2901	45951	0	1149	1191	96 -	3	1189	5302	6491
UN03949	Rsa1.0.04067.1	715	19256	1.00E-118	222	224	99 +	155	378	17557	17780
UN03950	Rsa1.0.02434.1	806	31464	1.00E-159	312	317	98 -	2	316	6189	6504
UN03951	Rsa1.0.00890.1	830	323870	0	826	832	99 -	1	830	216005	216836
UN03952	Rsa1.0.03633.1	1345	21644	1.00E-162	326	333	97 +	947	1275	4854	5185
UN03953	Rsa1.0.01625.1	724	42019	1.00E-147	274	277	98 -	448	724	20456	20732
UN03954	Rsa1.0.02020.1	1115	173211	0	1071	1111	96 -	5	1113	156792	157898
UN03955	Rsa1.0.02179.1	736	34188	0	690	727	94 +	12	734	15454	16176
UN03956	Rsa1.0.07104.1	876	9889	0	365	366	99 +	1	366	4549	4914
UN03957	Rsa1.0.00994.1	1252	165189	5.00E-96	205	211	97 -	79	287	316	526
UN03958	Rsa1.0.18896.1	838	1515	0	819	841	97 -	1	838	64	896
UN03959	Rsa1.0.00910.1	745	59975	1.00E-159	284	284	100 +	1	284	16201	16484
UN03960	Rsa1.0.01626.1	718	41989	0	692	711	97 +	8	718	15832	16537
UN03961	Rsa1.0.17750.1	1028	1750	0	374	385	97 -	141	525	1366	1750
UN03962	Rsa1.0.01511.1	981	44235	0	680	687	98 +	2	686	29365	30051
UN03963	Rsa1.0.00450.1	629	139397	1.00E-147	288	295	97 -	3	297	22106	22397
UN03964	Rsa1.0.09306.1	1091	6468	0	902	910	99 -	127	1036	436	1345
UN03965	Rsa1.0.00201.1	383	232851	4.00E-94	215	224	95 -	162	383	109854	110072
UN03966	Rsa1.0.00075.1	1334	146680	0	692	728	95 -	1	723	141185	141903
UN03967	Rsa1.0.08421.1	1076	7380	0	350	356	98 -	1	354	4123	4478
UN03968	Rsa1.0.00709.1	1673	67329	0	566	577	98 -	901	1477	9314	9890
UN03969	Rsa1.0.02692.1	831	28626	1.00E-138	330	357	92 +	437	793	21962	22318
UN03970	Rsa1.0.03614.1	665	21773	0	585	589	99 +	1	589	15021	15609
UN03971	Rsa1.0.00199.1	829	249604	1.00E-156	332	346	95 -	1	339	13561	13904
UN03972	Rsa1.0.01239.1	2645	50107	0	1569	1603	97 +	1043	2645	18949	20546
UN03973	Rsa1.0.01026.1	789	171624	0	579	625	92 +	21	624	159949	160566
UN03974	Rsa1.0.02205.1	1107	33923	0	979	1056	92 +	50	1103	26261	27298
UN03975	Rsa1.0.01717.1	1279	143162	0	1270	1282	99 -	1	1278	127661	128942
UN03976	Rsa1.0.00464.1	1370	82253	0	968	978	98 +	396	1370	5075	6051

UN03977	Rsa1.0.01460.1	1456	45255	0	490	507	96 +	2	502	32136	32642
UN03978	Rsa1.0.00293.1	1263	339294	0	1203	1217	98 +	3	1219	170623	171838
UN03979	Rsa1.0.02573.1	1081	29955	0	352	355	99 +	717	1071	19028	19382
UN03980	Rsa1.0.02707.1	563	28520	0	500	531	94 +	32	562	9469	9995
UN03981	Rsa1.0.01380.1	937	155003	0	539	541	99 -	237	777	25543	26083
UN03982	Rsa1.0.14764.1	980	3084	0	412	434	94 -	11	433	1483	1916
UN03983	Rsa1.0.37757.1	1561	597	0	478	478	100 -	303	780	1	478
UN03984	Rsa1.0.00560.1	964	75685	0	359	365	98 -	297	661	58221	58584
UN03985	Rsa1.0.03074.1	600	25568	1.00E-152	383	416	92 -	182	594	16245	16644
UN03986	Rsa1.0.00792.1	669	64163	0	497	529	93 -	147	669	3293	3821
UN03987	Rsa1.0.00343.1	1427	93570	0	391	392	99 -	1034	1425	30764	31155
UN03988	Rsa1.0.00668.1	993	69421	0	587	610	96 -	1	598	23289	23898
UN03989	Rsa1.0.00154.1	1390	189461	1.00E-123	294	314	93 +	2	313	129855	130164
UN03990	Rsa1.0.00537.1	1298	186980	0	835	891	93 -	346	1233	16481	17354
UN03991	Rsa1.0.03267.1	756	24230	2.00E-94	179	180	99 +	10	189	13680	13859
UN03992	Rsa1.0.01573.1	854	42964	1.00E-163	368	390	94 -	7	388	4044	4431
UN03993	Rsa1.0.00741.1	998	66117	1.00E-170	325	331	98 -	12	341	50868	51198
UN03994	Rsa1.0.00169.1	1392	274298	0	1297	1383	93 +	10	1369	270701	272079
UN03995	Rsa1.0.03999.1	1428	19645	0	405	412	98 +	725	1136	8850	9261
UN03996	Rsa1.0.16067.1	929	2300	0	380	382	99 -	292	673	783	1164
UN03997	Rsa1.0.00539.1	1308	76926	0	661	669	98 -	1	669	15980	16647
UN03998	Rsa1.0.00032.1	1860	306326	0	468	482	97 +	438	919	238497	238972
UN03999	Rsa1.0.01182.1	1067	167304	1.00E-103	254	267	95 -	782	1044	145	409
UN04000	Rsa1.0.04563.1	1696	16837	1.00E-128	258	263	98 +	1438	1696	16117	16378
UN04001	Rsa1.0.00058.1	669	159921	0	353	359	98 -	1	359	89801	90155
UN04002	Rsa1.0.10423.1	953	5854	0	733	753	97 -	7	759	1	752
UN04003	Rsa1.0.11593.1	1041	5464	0	1010	1041	97 +	1	1041	1942	2965
UN04004	Rsa1.0.01460.1	1069	45255	0	1048	1066	98 +	3	1068	41716	42776
UN04005	Rsa1.0.02858.1	1367	27246	0	1154	1205	95 -	1	1205	22920	24115
UN04006	Rsa1.0.00211.1	913	228189	1.00E-154	276	276	100 +	636	911	5857	6132
UN04007	Rsa1.0.00260.1	962	102021	0	622	633	98 -	328	960	40005	40637
UN04008	Rsa1.0.03162.1	782	24895	1.00E-100	197	200	98 -	17	214	19790	19989
UN04009	Rsa1.0.01292.1	843	175783	1.00E-133	251	253	99 +	590	841	149086	149338
UN04010	Rsa1.0.00224.1	513	327530	2.00E-84	181	187	96 -	1	186	195632	195818
UN04011	Rsa1.0.00108.1	1367	478491	0	628	631	99 +	494	1124	305436	306066
UN04012	Rsa1.0.00487.1	885	80674	2.33E-156	343	371	92 +	523	883	75851	76212
UN04013	Rsa1.0.00728.1	1140	66704	0	486	515	94 -	502	1016	32892	33389
UN04014	Rsa1.0.00770.1	1060	64900	0	972	1005	96 -	3	1005	53553	54555
UN04015	Rsa1.0.01538.1	837	43733	1.00E-159	297	301	98 -	105	405	40507	40807

UN04016	Rsa1.0_00435.1	576	317579	1.00E-169	352	369	95 -	218	576	70712	71080
UN04017	Rsa1.0_02621.1	1631	156120	0	548	548	100 -	1084	1631	12899	13446
UN04018	Rsa1.0_01396.1	1053	151624	0	428	447	95 +	608	1053	141509	141952
UN04019	Rsa1.0_01001.1	970	57077	1.00E-86	178	183	97 +	422	604	24046	24228
UN04020	Rsa1.0_07129.1	1056	9861	0	828	865	95 -	9	856	5653	6517
UN04021	Rsa1.0_01626.1	1365	41989	1.00E-103	281	303	92 -	1029	1317	8489	8789
UN04022	Rsa1.0_00136.1	1498	122464	0	469	491	95 +	1007	1497	65300	65784
UN04023	Rsa1.0_01326.1	1207	48072	0	784	812	96 +	405	1205	44398	45204
UN04024	Rsa1.0_01309.1	1463	48556	0	566	567	99 +	897	1463	41209	41775
UN04025	Rsa1.0_00198.1	1158	222963	0	450	456	98 +	3	458	128659	129114
UN04026	Rsa1.0_03216.1	944	24540	0	939	945	99 +	1	944	19438	20382
UN04027	Rsa1.0_01724.1	783	40292	1.00E-77	151	152	99 -	1	152	13121	13272
UN04028	Rsa1.0_00303.1	604	97468	3.00E-74	154	158	97 +	220	377	57321	57478
UN04029	Rsa1.0_00134.1	1154	390219	0	561	597	93 +	8	599	45107	45694
UN04030	Rsa1.0_04422.1	598	17423	0	577	597	96 -	2	598	8953	9544
UN04031	Rsa1.0_00392.1	870	88523	7.00E-70	147	151	97 -	364	514	15492	15642
UN04032	Rsa1.0_04297.1	752	18030	1.00E-125	292	310	94 +	359	665	17379	17687
UN04033	Rsa1.0_13850.1	1325	4205	0	559	560	99 +	1	560	2896	3455
UN04034	Rsa1.0_00107.1	1227	431659	0	670	673	99 +	1	672	251010	251682
UN04035	Rsa1.0_00265.1	1051	220635	1.00E-119	217	217	100 +	818	1034	190433	190649
UN04036	Rsa1.0_05168.1	987	14621	0	632	648	97 -	1	648	12471	13117
UN04037	Rsa1.0_01422.1	1197	46172	0	492	511	96 -	688	1197	10154	10663
UN04038	Rsa1.0_00386.1	1177	89134	0	450	458	98 +	437	894	53821	54278
UN04039	Rsa1.0_01674.1	798	168300	0	439	445	98 +	3	444	1848	2289
UN04040	Rsa1.0_02060.1	943	35528	0	535	563	95 +	388	941	17139	17694
UN04041	Rsa1.0_00005.1	1547	353093	0	368	368	100 +	1178	1545	121587	121954
UN04042	Rsa1.0_00579.1	1369	148308	1.00E-172	361	379	95 +	1	379	66641	67019
UN04043	Rsa1.0_33464.1	963	678	1.00E-148	278	282	98 +	437	718	154	435
UN04044	Rsa1.0_04016.1	731	19570	0	492	498	98 -	3	499	18111	18608
UN04045	Rsa1.0_00051.1	364	258225	7.00E-34	204	238	85 +	18	244	119357	119588
UN04046	Rsa1.0_00524.1	1342	169613	0	1138	1142	99 +	201	1341	17154	18295
UN04047	Rsa1.0_00094.1	1442	139042	0	556	557	99 -	884	1440	60519	61075
UN04048	Rsa1.0_01223.1	1312	50392	0	634	665	95 +	1	665	29039	29700
UN04049	#	#	#	#	#	#	#	#	#	#	#
UN04050	Rsa1.0_07908.1	753	8319	0	517	517	100 +	1	517	206	722
UN04051	Rsa1.0_00473.1	1217	212204	0	445	465	95 +	2	458	64237	64697
UN04052	Rsa1.0_00879.1	958	61297	0	412	427	96 -	533	958	34194	34620
UN04053	Rsa1.0_00001.1	1436	363028	0	938	964	97 +	476	1436	147746	148704
UN04054	Rsa1.0_00757.1	1677	65559	0	679	724	93 -	957	1677	34361	35065

UN04055	Rsa1.0.01602.1	696	42503	1.00E-130	269	279	96 +	416	694	1873	2144
UN04056	Rsa1.0.02817.1	1679	27644	0	1291	1370	94 -	179	1530	9695	11043
UN04057	Rsa1.0.01171.1	953	51752	0	448	466	96 -	467	932	35729	36194
UN04058	Rsa1.0.01146.1	630	163455	2.00E-78	196	208	94 -	424	630	41281	41485
UN04059	Rsa1.0.04835.1	925	15766	0	584	592	98 +	329	920	2483	3074
UN04060	Rsa1.0.02409.1	885	31663	1.00E-150	374	405	92 -	486	879	8883	9279
UN04061	Rsa1.0.10722.1	1317	5745	0	699	701	99 -	617	1317	4278	4977
UN04062	Rsa1.0.00278.1	1557	231896	0	587	603	97 +	711	1313	205275	205877
UN04063	Rsa1.0.00871.1	1005	61539	1.00E-127	327	354	92 +	3	346	8039	8382
UN04064	Rsa1.0.01981.1	662	36537	0	591	600	98 -	42	637	3891	4487
UN04065	Rsa1.0.00782.1	1067	64468	0	401	420	95 +	560	979	30043	30462
UN04066	Rsa1.0.00561.1	467	75653	1.00E-103	257	279	92 -	190	467	16292	16556
UN04067	Rsa1.0.03119.1	504	25270	0	499	508	98 +	2	504	15752	16257
UN04068	Rsa1.0.02528.1	1166	30452	1.00E-130	305	326	93 +	5	324	18618	18940
UN04069	Rsa1.0.08988.1	1382	6732	0	479	531	90 -	854	1369	727	1243
UN04070	Rsa1.0.00136.1	927	122464	6.00E-89	182	187	97 -	2	188	70440	70626
UN04071	Rsa1.0.02756.1	998	28202	4.00E-62	125	126	99 +	300	425	13570	13695
UN04072	Rsa1.0.01214.1	1257	50599	0	397	414	95 +	855	1257	46274	46685
UN04073	Rsa1.0.03114.1	1049	25318	0	608	624	97 -	387	1008	10053	10676
UN04074	Rsa1.0.02506.1	871	30700	1.00E-105	209	213	98 -	1	211	26272	26484
UN04075	Rsa1.0.00262.1	1196	101906	1.00E-135	245	245	100 +	86	330	48780	49024
UN04076	Rsa1.0.01127.1	1406	53124	0	450	450	100 +	600	1049	51280	51729
UN04077	Rsa1.0.00101.1	823	267193	0	710	763	93 +	64	819	89099	89846
UN04078	Rsa1.0.00027.1	805	283362	1.00E-141	338	368	91 -	450	802	279797	280163
UN04079	Rsa1.0.03544.1	2702	22182	1.00E-160	453	504	89 +	1001	1501	11920	12409
UN04080	Rsa1.0.00045.1	1211	328694	0	355	360	98 +	1	360	160663	161022
UN04081	Rsa1.0.02268.1	577	33172	2.00E-38	98	102	96 -	334	435	32461	32561
UN04082	Rsa1.0.01149.1	1334	160459	1.00E-149	274	276	99 -	1059	1334	149685	149960
UN04083	Rsa1.0.00278.1	1493	231896	0	401	408	98 +	491	898	23233	23640
UN04084	Rsa1.0.00915.1	958	194446	0	535	552	96 -	3	546	181873	182421
UN04085	Rsa1.0.02402.1	1294	31710	0	429	441	97 +	833	1273	30607	31044
UN04086	Rsa1.0.39987.1	764	562	1.00E-136	249	250	99 +	365	614	313	562
UN04087	Rsa1.0.00038.1	1381	314568	0	767	814	94 -	2	781	239043	239856
UN04088	Rsa1.0.00715.1	1046	67116	0	413	422	97 -	127	548	17550	17969
UN04089	Rsa1.0.01283.1	1075	49257	1.00E-172	327	334	97 -	181	514	19047	19380
UN04090	Rsa1.0.00773.1	957	64839	0	672	714	94 +	260	957	50259	50967
UN04091	Rsa1.0.01705.1	1038	40710	1.00E-68	220	247	89 +	746	991	38585	38823
UN04092	Rsa1.0.00305.1	980	97308	1.00E-142	273	277	98 -	704	979	65771	66047
UN04093	Rsa1.0.00599.1	1356	73418	0	351	353	99 +	322	674	46750	47102

UN04094	Rsa1.0_00773.1	1205	64839	0	471	481	97 -	1	480	53064	53544
UN04095	Rsa1.0_01281.1	713	49313	0	678	712	95 +	3	712	26768	27468
UN04096	Rsa1.0_01220.1	1188	161775	0	454	456	99 -	2	457	147689	148144
UN04097	Rsa1.0_00254.1	1169	102600	0	593	618	95 -	543	1159	52242	52845
UN04098	Rsa1.0_00123.1	1044	325650	1.00E-99	223	235	94 +	3	234	173067	173301
UN04099	Rsa1.0_00579.1	799	148308	6.00E-70	141	143	98 -	57	199	68688	68830
UN04100	Rsa1.0_03185.1	944	24739	0	436	448	97 -	49	496	11026	11473
UN04101	Rsa1.0_01115.1	1196	183545	0	703	705	99 -	4	708	168513	169217
UN04102	Rsa1.0_60278.1	1238	380	1.00E-109	202	202	100 -	3	204	85	286
UN04103	Rsa1.0_03833.1	1008	20575	0	893	905	98 -	104	1007	17249	18153
UN04104	Rsa1.0_06443.1	810	11008	1.00E-135	320	343	93 +	3	342	5740	6081
UN04105	Rsa1.0_00149.1	839	305196	2.00E-51	140	152	92 -	511	662	11665	11816
UN04106	Rsa1.0_00370.1	864	90472	0	378	395	95 -	357	751	4902	5296
UN04107	Rsa1.0_00318.1	1138	96094	1.00E-133	277	288	96 +	853	1138	70330	70617
UN04108	Rsa1.0_00041.1	675	186197	1.00E-107	248	264	93 +	415	675	150099	150358
UN04109	Rsa1.0_01172.1	1024	51734	0	371	381	97 -	9	386	6903	7283
UN04110	Rsa1.0_03007.1	507	26070	1.00E-116	227	232	97 +	276	507	22442	22673
UN04111	Rsa1.0_00208.1	1265	108565	0	788	795	99 -	2	796	21769	22563
UN04112	Rsa1.0_00108.1	1025	478491	1.00E-160	295	298	98 +	728	1025	51602	51899
UN04113	Rsa1.0_00275.1	1203	210104	1.00E-109	207	209	99 +	31	239	176533	176741
UN04114	Rsa1.0_00033.1	1167	515811	0	545	555	98 +	613	1167	135945	136498
UN04115	Rsa1.0_03964.1	685	19835	4.00E-55	189	216	87 -	481	685	13128	13337
UN04116	Rsa1.0_02041.1	681	163634	1.00E-126	307	330	93 -	17	346	20074	20401
UN04117	Rsa1.0_00842.1	1300	62493	1.00E-114	215	217	99 +	1084	1300	32618	32834
UN04118	Rsa1.0_00978.1	673	57739	1.00E-175	526	596	88 +	30	611	26146	26730
UN04119	Rsa1.0_00372.1	866	90418	0	452	460	98 -	3	462	25938	26392
UN04120	Rsa1.0_00216.1	1119	197563	0	424	434	97 +	295	728	24584	25017
UN04121	Rsa1.0_06683.1	1577	10549	0	446	451	98 +	253	703	7742	8192
UN04122	Rsa1.0_03310.1	781	23851	0	372	374	99 +	3	376	7955	8328
UN04123	Rsa1.0_02896.1	827	26970	0	350	361	96 +	322	672	16798	17158
UN04124	Rsa1.0_02540.1	745	30344	0	658	678	97 -	2	678	22062	22739
UN04125	Rsa1.0_00030.1	591	250988	1.00E-135	247	248	99 +	343	590	124651	124898
UN04126	Rsa1.0_00963.1	1072	58176	0	998	1054	94 -	6	1051	31115	32148
UN04127	Rsa1.0_10636.1	1021	5774	0	863	868	99 +	154	1021	3793	4660
UN04128	Rsa1.0_00001.1	1127	363028	1.00E-131	259	265	97 -	862	1126	253441	253703
UN04129	Rsa1.0_06323.1	1801	11236	0	623	642	97 -	1160	1800	7497	8138
UN04130	Rsa1.0_00190.1	867	318240	0	813	830	97 -	30	859	179081	179909
UN04131	Rsa1.0_00483.1	1114	81102	0	1087	1113	97 -	3	1114	17104	18206
UN04132	Rsa1.0_11690.1	942	5440	1.00E-116	367	415	88 +	3	417	5021	5421

UN04133	Rsa1.0_00190.1	997	318240	1.00E-167	362	378	95 -	623	997	134846	135221
UN04134	Rsa1.0_01397.1	699	183276	0	520	541	96 -	3	543	11118	11658
UN04135	Rsa1.0_00925.1	773	59481	0	520	522	99 -	3	524	25571	26092
UN04136	Rsa1.0_06062.1	890	11836	1.00E-152	317	329	96 -	556	881	5210	5534
UN04137	Rsa1.0_00744.1	1425	66084	0	338	338	100 -	1	338	50865	51202
UN04138	Rsa1.0_04709.1	1363	16285	0	714	719	99 -	1	718	6049	6764
UN04139	Rsa1.0_00759.1	765	65465	0	371	378	98 +	392	765	54383	54759
UN04140	Rsa1.0_00205.1	868	193401	0	386	401	96 +	467	867	77712	78101
UN04141	Rsa1.0_00396.1	1572	88242	0	380	385	98 -	3	387	32410	32794
UN04142	Rsa1.0_01045.1	656	55853	0	393	404	97 -	253	656	34043	34443
UN04143	Rsa1.0_00679.1	1202	68971	1.00E-118	275	293	93 -	1	287	34537	34829
UN04144	Rsa1.0_00310.1	1352	96852	0	413	419	98 -	2	418	36360	36778
UN04145	Rsa1.0_05547.1	1206	13369	0	501	519	96 -	683	1201	12677	13195
UN04146	Rsa1.0_00994.1	457	165189	0	453	455	99 +	3	457	12459	12913
UN04147	Rsa1.0_00541.1	1191	76863	3.00E-45	278	342	81 +	846	1174	1692	2033
UN04148	Rsa1.0_05679.1	785	12958	1.00E-106	199	200	99 +	253	452	917	1116
UN04149	Rsa1.0_00160.1	1058	346678	0	826	848	97 +	22	863	28090	28936
UN04150	Rsa1.0_04667.1	901	16460	0	341	341	100 -	2	342	15632	15972
UN04151	Rsa1.0_14624.1	956	3217	1.00E-110	289	312	92 +	652	956	1334	1639
UN04152	Rsa1.0_02289.1	926	32981	7.00E-64	148	155	95 -	225	376	21690	21844
UN04153	Rsa1.0_15662.1	1086	2495	2.00E-73	194	211	91 -	730	940	2257	2459
UN04154	Rsa1.0_00012.1	1340	222148	0	1306	1309	99 -	4	1312	194825	196133
UN04155	Rsa1.0_05596.1	853	137912	4.00E-22	64	67	95 -	9	75	6636	6702
UN04156	Rsa1.0_00816.1	1157	403350	0	559	585	95 +	571	1155	133188	133770
UN04157	Rsa1.0_02118.1	842	34839	0	496	503	98 -	18	519	8900	9402
UN04158	Rsa1.0_02411.1	1024	31655	1.00E-135	458	534	85 +	123	656	27947	28456
UN04159	Rsa1.0_01860.1	762	38057	0	467	491	95 -	282	760	567	1057
UN04160	Rsa1.0_00148.1	921	120234	0	516	537	96 -	386	919	36560	37093
UN04161	Rsa1.0_00896.1	1223	60509	6.00E-34	160	187	85 -	534	720	3275	3460
UN04162	Rsa1.0_03860.1	1202	20407	0	420	444	94 +	16	445	15873	16316
UN04163	Rsa1.0_00548.1	1252	76518	0	1129	1208	93 +	1	1200	18922	20114
UN04164	Rsa1.0_02207.1	961	33914	0	510	513	99 +	3	515	18537	19049
UN04165	Rsa1.0_02396.1	926	31783	1.00E-106	231	242	95 -	597	838	18648	18886
UN04166	Rsa1.0_00015.1	791	561803	1.00E-159	321	331	96 -	1	331	304577	304904
UN04167	Rsa1.0_00517.1	874	142790	0	419	431	97 -	2	432	113059	113487
UN04168	Rsa1.0_00228.1	506	105511	0	379	393	96 +	49	439	13156	13545
UN04169	Rsa1.0_01060.1	1236	55368	1.00E-109	222	229	96 -	925	1153	38736	38964
UN04170	Rsa1.0_07823.1	1171	8468	0	1012	1061	95 -	3	1060	4559	5615
UN04171	Rsa1.0_02173.1	1136	34318	0	470	491	95 -	382	872	30684	31174

UN04172	Rsa1.0.00101.1	1384	267193	0	1212	1284	94 -	3	1273	89099	90372
UN04173	Rsa1.0.07877.1	1048	8373	3.00E-72	145	147	98 -	696	842	4515	4661
UN04174	Rsa1.0.02161.1	1078	34459	0	435	467	93 -	589	1052	32620	33077
UN04175	Rsa1.0.00297.1	1151	97836	0	441	477	92 +	7	478	26263	26734
UN04176	Rsa1.0.01102.1	907	53987	0	669	697	95 -	1	695	51418	52114
UN04177	Rsa1.0.01173.1	979	51727	0	397	411	96 -	415	825	29674	30084
UN04178	Rsa1.0.10201.1	1282	5946	0	1170	1210	96 +	86	1278	389	1597
UN04179	Rsa1.0.00377.1	879	90038	1.00E-101	291	315	92 +	31	340	28082	28387
UN04180	Rsa1.0.00100.1	1142	249232	0	743	788	94 -	2	773	126923	127710
UN04181	Rsa1.0.00121.1	715	278029	0	707	711	99 +	5	715	269852	270562
UN04182	Rsa1.0.00675.1	1041	145590	1.00E-163	428	469	91 +	1	463	45279	45726
UN04183	Rsa1.0.00351.1	1314	413096	1.00E-155	281	282	99 +	587	868	133363	133644
UN04184	Rsa1.0.02920.1	1195	26779	1.00E-109	246	257	95 +	1	254	20299	20554
UN04185	Rsa1.0.03981.1	433	19724	1.00E-81	255	285	89 -	39	319	17580	17854
UN04186	Rsa1.0.00427.1	933	189678	0	927	929	99 +	1	929	129289	130217
UN04187	Rsa1.0.01156.1	606	52147	1.00E-118	278	302	92 +	1	284	33024	33324
UN04188	Rsa1.0.03634.1	593	145192	1.00E-135	350	388	90 +	1	374	133529	133901
UN04189	Rsa1.0.01112.1	1144	310601	0	534	569	93 -	2	569	31685	32250
UN04190	Rsa1.0.00078.1	801	175053	0	781	828	94 +	1	801	78730	79556
UN04191	Rsa1.0.00376.1	1053	90101	1.00E-134	252	255	98 -	797	1051	46615	46869
UN04192	Rsa1.0.00800.1	1222	63868	1.00E-107	219	226	96 -	648	873	60809	61034
UN04193	Rsa1.0.06795.1	1134	10346	0	371	383	96 -	502	884	5026	5408
UN04194	Rsa1.0.14298.1	993	3561	2.00E-89	183	188	97 +	641	828	3278	3465
UN04195	Rsa1.0.00299.1	1203	97770	0	468	499	93 -	3	501	58798	59284
UN04196	Rsa1.0.01151.1	1287	52268	1.00E-151	328	346	94 -	207	549	25416	25761
UN04197	Rsa1.0.00630.1	850	71281	0	511	534	95 +	1	528	63615	64143
UN04198	Rsa1.0.00339.1	1059	222974	1.00E-102	202	206	98 -	2	207	18437	18642
UN04199	Rsa1.0.01381.1	909	46908	1.00E-132	252	256	98 -	1	256	36596	36851
UN04200	Rsa1.0.02329.1	703	32474	0	678	709	95 -	1	703	10329	11034
UN04201	Rsa1.0.00589.1	685	209965	1.00E-119	243	250	97 +	240	488	200359	200608
UN04202	Rsa1.0.00451.1	746	322533	0	722	749	96 +	1	746	9191	9929
UN04203	Rsa1.0.18598.1	794	1567	0	653	687	95 -	1	670	258	943
UN04204	Rsa1.0.01790.1	1224	39248	0	429	431	99 +	1	431	17097	17526
UN04205	Rsa1.0.00147.1	1468	249503	0	978	1060	92 -	408	1467	240267	241326
UN04206	Rsa1.0.09223.1	741	6545	0	500	511	97 -	229	739	5163	5669
UN04207	Rsa1.0.08700.1	1160	7028	0	797	807	98 -	1	806	4858	5664
UN04208	Rsa1.0.11740.1	1253	5423	3.00E-88	312	356	87 +	761	1112	4636	4989
UN04209	Rsa1.0.01398.1	1209	149922	1.00E-161	340	354	96 -	9	360	139454	139803
UN04210	Rsa1.0.00048.1	1095	167185	0	1011	1090	92 -	8	1089	97236	98284

UN04211	Rsa1.0.02582.1	754	29889	0	735	754	97 +	1	754	4209	4962
UN04212	Rsa1.0.03916.1	1541	20117	0	574	582	98 +	557	1138	18468	19049
UN04213	Rsa1.0.01745.1	1457	39905	0	531	547	97 +	923	1455	13001	13547
UN04214	Rsa1.0.00058.1	889	159921	0	602	627	96 +	1	627	153366	153990
UN04215	Rsa1.0.10503.1	1069	5824	1.00E-130	262	269	97 +	3	270	1994	2262
UN04216	Rsa1.0.00542.1	1036	76831	0	553	584	94 +	15	597	74742	75324
UN04217	Rsa1.0.00039.1	879	296927	2.00E-61	195	221	88 -	196	414	223486	223694
UN04218	Rsa1.0.01005.1	882	56967	0	715	752	95 +	1	737	4934	5682
UN04219	Rsa1.0.07757.1	1052	8633	0	626	649	96 +	53	700	864	1512
UN04220	Rsa1.0.05305.1	1681	14207	0	570	589	96 +	306	891	2999	3582
UN04221	Rsa1.0.00409.1	858	146788	0	533	545	97 -	312	856	86809	87353
UN04222	Rsa1.0.00420.1	1152	86496	0	1011	1068	94 +	2	1064	39871	40930
UN04223	Rsa1.0.61123.1	669	375	1.00E-158	323	335	96 -	339	667	41	375
UN04224	Rsa1.0.00296.1	1117	97854	0	486	515	94 -	1	514	17737	18250
UN04225	Rsa1.0.03187.1	1412	24726	0	545	593	91 -	829	1398	19186	19770
UN04226	Rsa1.0.01081.1	952	499226	1.00E-99	269	294	91 +	1	291	323186	323476
UN04227	Rsa1.0.00002.1	1055	601661	0	883	930	94 -	127	1054	536726	537655
UN04228	Rsa1.0.00058.1	898	159921	0	522	548	95 -	2	549	71365	71895
UN04229	Rsa1.0.00092.1	1130	659932	1.00E-120	285	308	92 +	821	1128	340621	340915
UN04230	Rsa1.0.08902.1	910	6805	0	519	536	96 +	262	796	4643	5178
UN04231	Rsa1.0.00004.1	1026	253996	0	615	646	95 +	1	636	69131	69773
UN04232	Rsa1.0.27229.1	820	861	0	397	420	94 +	8	414	108	527
UN04233	Rsa1.0.00528.1	862	164755	0	626	646	96 +	1	646	109377	110022
UN04234	Rsa1.0.34634.1	846	654	3.00E-16	81	93	87 -	354	446	167	259
UN04235	Rsa1.0.05360.1	1049	14053	0	588	589	99 -	456	1044	4843	5431
UN04236	Rsa1.0.00035.1	836	176449	1.00E-176	417	457	91 -	378	834	158955	159389
UN04237	Rsa1.0.03981.1	369	19724	5.00E-81	332	390	85 +	2	365	18253	18628
UN04238	Rsa1.0.00713.1	1013	158017	0	466	489	95 +	437	925	1180	1668
UN04239	Rsa1.0.00561.1	1298	75653	0	864	926	93 +	1	921	4139	5053
UN04240	Rsa1.0.02281.1	478	292576	1.00E-112	230	238	96 +	228	465	263640	263877
UN04241	Rsa1.0.00420.1	280	86496	2.00E-55	131	138	94 +	119	256	37486	37623
UN04242	Rsa1.0.00044.1	844	271658	0	545	550	99 -	1	550	22375	22924
UN04243	Rsa1.0.00221.1	842	106972	0	555	563	98 -	72	633	53911	54473
UN04244	Rsa1.0.00569.1	982	75060	0	546	548	99 +	1	548	72168	72715
UN04245	Rsa1.0.03606.1	922	21818	1.00E-113	210	211	99 -	472	682	847	1057
UN04246	Rsa1.0.00082.1	968	237584	1.00E-118	296	321	92 +	663	968	38549	38864
UN04247	Rsa1.0.00227.1	514	105849	0	510	511	99 -	2	512	35727	36237
UN04248	Rsa1.0.00556.1	822	207212	0	516	540	95 +	180	717	51917	52456
UN04249	Rsa1.0.00551.1	1263	76227	0	520	545	95 -	723	1261	54753	55293

UN04250	Rsa1.0.00122.1	691	265937	1.00E-110	258	275	93 -	39	312	223063	223337
UN04251	Rsa1.0.00120.1	863	277288	1.00E-153	296	302	98 +	562	863	216704	217003
UN04252	Rsa1.0.02240.1	681	153768	1.00E-135	257	260	98 -	141	399	145616	145875
UN04253	Rsa1.0.02478.1	1008	150183	0	911	967	94 +	42	994	28834	29791
UN04254	Rsa1.0.03767.1	738	20969	0	659	684	96 +	4	684	9886	10566
UN04255	Rsa1.0.01638.1	1411	41857	0	810	860	94 -	1	848	2718	3576
UN04256	Rsa1.0.00813.1	741	63202	5.00E-98	200	206	97 -	411	616	14295	14500
UN04257	Rsa1.0.00623.1	1280	207630	0	493	502	98 -	648	1149	164086	164587
UN04258	Rsa1.0.05570.1	980	13301	0	448	473	94 +	1	473	10572	11032
UN04259	Rsa1.0.03981.1	1133	19724	1.00E-118	448	512	87 +	4	495	18219	18729
UN04260	Rsa1.0.00899.1	1491	60404	1.00E-145	290	298	97 +	1197	1491	10658	10952
UN04261	Rsa1.0.05267.1	916	14319	1.00E-159	398	430	92 +	11	439	7441	7863
UN04262	Rsa1.0.03257.1	1566	24305	0	1164	1166	99 +	3	1168	17594	18759
UN04263	Rsa1.0.00152.1	1068	257730	0	334	335	99 -	734	1068	200189	200523
UN04264	Rsa1.0.04772.1	968	16040	6.00E-86	194	201	96 -	2	198	13400	13600
UN04265	Rsa1.0.00997.1	1114	57190	0	436	440	99 -	1	439	52204	52640
UN04266	Rsa1.0.14744.1	1327	3111	0	457	475	96 +	853	1327	724	1198
UN04267	Rsa1.0.01012.1	946	56836	0	828	834	99 -	2	835	51667	52500
UN04268	Rsa1.0.00374.1	1501	165738	0	969	1015	95 -	502	1500	100943	101952
UN04269	Rsa1.0.02490.1	619	30885	1.00E-121	249	258	96 -	362	619	13643	13896
UN04270	Rsa1.0.00201.1	1405	232851	0	571	586	97 -	820	1405	81190	81766
UN04271	Rsa1.0.01309.1	483	48556	4.00E-82	215	235	91 -	115	349	2155	2389
UN04272	Rsa1.0.00437.1	1179	84879	1.00E-99	194	197	98 -	654	850	13824	14020
UN04273	Rsa1.0.01035.1	958	56019	0	420	435	96 +	4	433	33719	34153
UN04274	Rsa1.0.04563.1	1190	16837	8.00E-95	180	181	99 +	3	183	12914	13094
UN04275	Rsa1.0.00193.1	966	194198	0	812	853	95 -	125	965	23793	24642
UN04276	Rsa1.0.03319.1	1426	23767	0	481	481	100 -	5	485	18145	18625
UN04277	Rsa1.0.05217.1	607	142938	0	591	615	96 -	3	604	134906	135520
UN04278	Rsa1.0.00990.1	788	57445	1.00E-107	198	198	100 -	211	408	10576	10773
UN04279	Rsa1.0.01691.1	655	40921	0	600	657	91 +	1	655	29173	29823
UN04280	Rsa1.0.00089.1	885	406142	1.00E-180	366	380	96 -	506	885	233428	233806
UN04281	Rsa1.0.01778.1	920	39509	1.00E-101	251	267	94 +	657	920	9400	9660
UN04282	Rsa1.0.31020.1	772	738	1.00E-92	219	231	94 +	1	229	108	335
UN04283	Rsa1.0.06229.1	906	11439	0	467	490	95 +	421	905	8749	9238
UN04284	Rsa1.0.00491.1	1167	80219	0	1032	1141	90 -	58	1165	64152	65277
UN04285	Rsa1.0.00089.1	1054	406142	1.00E-160	330	342	96 +	22	362	161996	162336
UN04286	Rsa1.0.00047.1	1022	168582	1.00E-120	241	248	97 -	6	253	166424	166671
UN04287	Rsa1.0.01078.1	846	316910	0	753	754	99 -	93	846	280152	280905
UN04288	Rsa1.0.00398.1	1096	88007	0	661	709	93 -	403	1096	70663	71367

UN04289	Rsa1.0.08617.1	1339	7124	0	1167	1240	94 -	143	1339	309	1548
UN04290	Rsa1.0.01890.1	1297	37542	0	335	337	99 +	748	1084	12677	13013
UN04291	Rsa1.0.00044.1	556	271658	0	546	555	98 -	3	556	109390	109944
UN04292	Rsa1.0.02377.1	631	31994	0	604	648	93 -	3	631	19525	20171
UN04293	Rsa1.0.00228.1	1210	105511	0	399	400	99 -	537	936	81684	82083
UN04294	Rsa1.0.02966.1	952	135126	0	460	475	96 -	22	487	17972	18446
UN04295	Rsa1.0.02748.1	1013	28242	0	394	406	97 +	606	1011	11199	11604
UN04296	Rsa1.0.01414.1	755	149508	2.00E-85	161	161	100 +	69	229	8113	8273
UN04297	Rsa1.0.00889.1	621	60978	0	616	629	97 -	3	621	55959	56587
UN04298	Rsa1.0.00825.1	663	62855	1.00E-108	211	215	98 +	155	369	53331	53545
UN04299	Rsa1.0.12642.1	1382	5165	0	493	506	97 -	161	664	18	523
UN04300	Rsa1.0.00153.1	1140	192931	1.00E-101	263	289	91 -	3	276	170695	170981
UN04301	Rsa1.0.00467.1	1867	156542	0	580	581	99 +	8	587	142267	142847
UN04302	Rsa1.0.00135.1	1079	178077	1.00E-161	291	292	99 +	380	671	103755	104046
UN04303	Rsa1.0.01273.1	880	49464	1.00E-103	194	195	99 +	74	268	30606	30800
UN04304	Rsa1.0.00354.1	690	232005	1.00E-107	221	229	96 -	184	412	198867	199095
UN04305	Rsa1.0.00655.1	727	195840	1.00E-92	185	189	97 +	155	343	131412	131600
UN04306	Rsa1.0.02748.1	966	28242	1.00E-142	300	314	95 -	480	793	10342	10652
UN04307	Rsa1.0.03443.1	1892	22917	0	965	982	98 -	11	991	5065	6035
UN04308	Rsa1.0.41105.1	1313	546	1.00E-123	287	307	93 +	3	298	164	469
UN04309	Rsa1.0.03252.1	1498	24338	0	437	443	98 -	1056	1498	391	833
UN04310	Rsa1.0.00363.1	674	90968	1.00E-121	260	271	95 -	15	285	31971	32237
UN04311	Rsa1.0.01611.1	907	42269	1.00E-114	339	386	87 -	3	377	17493	17863
UN04312	Rsa1.0.28787.1	931	803	0	365	371	98 -	561	931	269	639
UN04313	Rsa1.0.15993.1	631	2329	1.00E-134	377	421	89 +	217	622	1900	2308
UN04314	Rsa1.0.04155.1	674	134772	0	462	464	99 +	210	673	119046	119509
UN04315	Rsa1.0.00071.1	728	345714	1.00E-178	344	353	97 +	34	386	102837	103189
UN04316	Rsa1.0.02004.1	1117	169138	0	882	911	96 +	2	912	167715	168625
UN04317	Rsa1.0.06892.1	981	10197	1.00E-136	313	335	93 -	645	975	9719	10053
UN04318	Rsa1.0.01435.1	695	45942	0	417	441	94 +	259	695	28028	28467
UN04319	Rsa1.0.00060.1	1273	502678	0	921	965	95 +	154	1110	484225	485189
UN04320	Rsa1.0.00211.1	756	228189	1.00E-113	228	235	97 -	143	377	149262	149496
UN04321	Rsa1.0.01220.1	1514	161775	0	446	470	94 -	1032	1500	122390	122853
UN04322	Rsa1.0.01338.1	1038	155644	0	404	418	96 -	350	767	143018	143435
UN04323	Rsa1.0.00110.1	1150	132719	0	468	494	94 +	660	1150	6856	7340
UN04324	Rsa1.0.00017.1	952	752458	9.00E-85	184	192	95 +	597	788	3792	3983
UN04325	Rsa1.0.02120.1	738	34819	1.00E-125	286	304	94 +	55	358	10757	11055
UN04326	Rsa1.0.00301.1	1318	365315	0	1309	1320	99 -	1	1318	47664	48983
UN04327	Rsa1.0.06303.1	989	11268	1.00E-112	236	246	95 +	544	789	9882	10127

UN04328	Rsa1.0_03085.1	1520	25500	0	693	712	97 +	812	1520	18211	18922
UN04329	Rsa1.0_00056.1	1231	332604	0	998	1071	93 -	167	1229	84538	85600
UN04330	Rsa1.0_01142.1	1756	52464	0	358	361	99 +	1396	1756	50939	51297
UN04331	Rsa1.0_03643.1	1161	21607	1.00E-168	300	300	100 -	3	302	1398	1697
UN04332	Rsa1.0_00347.1	803	93048	1.00E-108	262	281	93 +	427	704	86405	86679
UN04333	Rsa1.0_00699.1	1591	184398	0	637	662	96 -	929	1589	31005	31665
UN04334	Rsa1.0_01110.1	735	195852	0	399	410	97 -	325	733	185048	185457
UN04335	Rsa1.0_14734.1	1376	3116	0	505	505	100 -	5	509	139	643
UN04336	Rsa1.0_03463.1	1319	22724	0	410	413	99 +	1	411	18384	18796
UN04337	Rsa1.0_00127.1	1060	127446	1.00E-137	286	296	96 -	1	293	78175	78466
UN04338	Rsa1.0_00440.1	841	84723	1.00E-140	281	289	97 +	3	291	25111	25398
UN04339	Rsa1.0_16337.1	468	2191	1.00E-137	259	263	98 -	206	468	574	836
UN04340	Rsa1.0_04405.1	699	17508	1.00E-180	405	429	94 -	269	694	14200	14619
UN04341	Rsa1.0_00306.1	862	146760	0	453	479	94 +	24	501	122222	122685
UN04342	Rsa1.0_00062.1	1269	299291	0	986	1020	96 -	204	1220	266762	267781
UN04343	Rsa1.0_00596.1	793	73578	5.00E-95	210	220	95 +	575	793	28854	29067
UN04344	Rsa1.0_00611.1	1358	72410	0	898	899	99 -	1	899	6791	7689
UN04345	Rsa1.0_35196.1	1325	643	0	627	649	96 +	113	761	1	643
UN04346	Rsa1.0_01412.1	794	46311	0	458	482	95 -	1	465	9158	9634
UN04347	Rsa1.0_03166.1	870	24863	1.00E-122	240	246	97 -	467	712	6047	6292
UN04348	Rsa1.0_22732.1	644	1099	6.00E-82	173	179	96 -	152	330	916	1094
UN04349	Rsa1.0_01387.1	844	46745	1.00E-144	271	275	98 -	18	292	46152	46426
UN04350	Rsa1.0_00069.1	1331	403561	1.00E-160	305	310	98 +	1	310	185286	185594
UN04351	Rsa1.0_00002.1	768	601661	1.00E-112	215	218	98 +	303	520	149395	149612
UN04352	Rsa1.0_00951.1	1227	164588	1.00E-93	178	179	99 -	377	555	50502	50680
UN04353	Rsa1.0_05945.1	1146	12149	0	376	376	100 +	3	378	11742	12117
UN04354	Rsa1.0_22443.1	1306	1120	0	330	332	99 +	412	743	750	1081
UN04355	Rsa1.0_04288.1	1411	18077	2.00E-86	163	163	100 -	802	964	9680	9842
UN04356	Rsa1.0_03172.1	1235	24816	0	492	492	100 +	652	1143	13722	14213
UN04357	Rsa1.0_00068.1	1013	151813	0	489	494	98 -	520	1013	97326	97819
UN04358	Rsa1.0_06757.1	921	10411	0	540	555	97 -	3	555	4331	4882
UN04359	Rsa1.0_04282.1	1502	18100	1.00E-138	366	401	91 +	946	1340	8780	9167
UN04360	Rsa1.0_00328.1	940	224661	0	860	880	97 -	6	879	140444	141323
UN04361	Rsa1.0_00341.1	1137	249309	0	414	418	99 -	1	418	227346	227763
UN04362	Rsa1.0_00440.1	777	84723	5.00E-86	203	213	95 -	541	750	25187	25398
UN04363	Rsa1.0_01292.1	781	175783	2.00E-79	193	207	93 +	534	735	2295	2501
UN04364	Rsa1.0_00124.1	586	262503	0	442	451	98 +	5	455	27047	27497
UN04365	Rsa1.0_01585.1	1034	42806	1.00E-157	287	289	99 +	590	878	15623	15911
UN04366	Rsa1.0_00037.1	858	307838	2.00E-70	170	179	94 -	680	856	181437	181614

UN04367	Rsa1.0_20133.1	687	1337	1.00E-98	246	269	91 -	432	687	1072	1337
UN04368	Rsa1.0_00731.1	1560	66638	1.00E-176	323	326	99 -	867	1192	1000	1325
UN04369	Rsa1.0_12457.1	1064	5222	7.00E-98	194	198	97 -	2	199	4765	4962
UN04370	Rsa1.0_00545.1	821	189649	1.00E-124	266	277	96 +	515	791	2122	2390
UN04371	Rsa1.0_03263.1	524	24268	1.00E-154	365	390	93 -	135	524	15033	15411
UN04372	Rsa1.0_00205.1	1066	193401	0	433	462	93 +	543	1000	127625	128084
UN04373	Rsa1.0_00739.1	1362	66155	0	338	341	99 -	3	343	61085	61424
UN04374	Rsa1.0_00509.1	689	78829	0	676	687	98 -	1	687	8715	9400
UN04375	Rsa1.0_02167.1	816	34401	0	561	573	97 +	204	775	26786	27358
UN04376	Rsa1.0_00155.1	770	118465	1.00E-106	217	224	96 +	283	506	104178	104401
UN04377	Rsa1.0_01000.1	1237	57140	0	392	413	94 -	804	1212	2343	2750
UN04378	Rsa1.0_00483.1	959	81102	0	550	555	99 +	340	894	2359	2913
UN04379	Rsa1.0_00275.1	1225	210104	0	550	580	94 +	3	577	206418	206995
UN04380	Rsa1.0_00042.1	816	171507	1.00E-123	252	260	96 -	1	260	157980	158238
UN04381	Rsa1.0_00341.1	829	249309	0	551	557	98 +	2	558	80699	81254
UN04382	Rsa1.0_00007.1	904	239325	1.00E-162	310	317	97 +	583	899	108872	109188
UN04383	Rsa1.0_00066.1	461	152418	0	438	457	95 +	3	458	90303	90755
UN04384	Rsa1.0_39148.1	828	575	0	553	577	95 +	28	603	1	575
UN04385	Rsa1.0_00159.1	887	431686	1.00E-131	249	253	98 +	635	887	427719	427971
UN04386	Rsa1.0_00077.1	897	145005	1.00E-178	323	325	99 +	573	897	31241	31565
UN04387	Rsa1.0_00633.1	846	71250	0	431	436	98 +	306	741	23460	23895
UN04388	Rsa1.0_00021.1	1633	263655	1.00E-154	280	281	99 -	3	283	19978	20258
UN04389	Rsa1.0_39426.1	1036	570	0	389	392	99 -	3	394	57	448
UN04390	Rsa1.0_00028.1	775	293984	0	752	781	96 +	1	775	71401	72175
UN04391	Rsa1.0_02884.1	953	27034	1.00E-169	410	444	92 +	517	953	12730	13172
UN04392	Rsa1.0_00163.1	1491	116847	0	446	476	93 +	1018	1490	83512	83979
UN04393	Rsa1.0_01434.1	766	45951	0	453	476	95 -	13	482	39461	39934
UN04394	Rsa1.0_00522.1	1477	78103	1.00E-152	314	325	96 +	63	384	48418	48742
UN04395	Rsa1.0_09223.1	1125	6545	0	796	823	96 +	280	1094	4476	5298
UN04396	Rsa1.0_02888.1	1220	27020	0	993	1029	96 +	3	1030	5412	6438
UN04397	Rsa1.0_01092.1	1474	54348	0	532	550	96 -	934	1474	22694	23240
UN04398	Rsa1.0_02943.1	1227	153598	0	510	525	97 -	632	1156	128989	129513
UN04399	Rsa1.0_06581.1	834	10722	1.00E-95	199	206	96 -	294	499	8954	9159
UN04400	Rsa1.0_07576.1	1071	9098	0	589	607	97 +	467	1071	2476	3081
UN04401	Rsa1.0_00289.1	1332	98620	1.00E-140	273	277	98 +	1054	1330	97044	97318
UN04402	Rsa1.0_04511.1	998	17032	1.00E-115	329	368	89 +	652	997	4974	5339
UN04403	Rsa1.0_01177.1	753	51572	0	386	392	98 -	162	553	9103	9494
UN04404	Rsa1.0_04646.1	868	16541	0	843	872	96 +	2	866	10692	11563
UN04405	Rsa1.0_01964.1	944	36702	0	560	602	93 -	361	944	35629	36221

UN04406	Rsa1.0.00037.1	1397	307838	0	804	804	100 -	587	1390	296672	297475
UN04407	Rsa1.0.00163.1	847	116847	1.00E-145	292	302	96 +	80	381	66573	66874
UN04408	Rsa1.0.03808.1	837	20732	0	797	818	97 -	2	814	715	1529
UN04409	Rsa1.0.00065.1	1369	454616	1.00E-151	366	394	92 -	984	1369	417285	417667
UN04410	Rsa1.0.02562.1	789	30061	4.00E-83	175	181	96 +	609	789	27886	28066
UN04411	Rsa1.0.00016.1	1385	831256	0	465	468	99 -	1	468	202082	202547
UN04412	Rsa1.0.00028.1	798	293984	0	428	451	94 +	71	521	111859	112305
UN04413	Rsa1.0.03916.1	1044	20117	0	458	464	98 -	583	1043	13461	13924
UN04414	Rsa1.0.00104.1	1065	368722	0	373	377	98 +	3	376	3957	4333
UN04415	Rsa1.0.04387.1	1228	17625	0	524	531	98 +	703	1228	7587	8117
UN04416	Rsa1.0.04142.1	1242	18861	0	499	541	92 +	416	954	1699	2239
UN04417	Rsa1.0.00585.1	964	74164	0	431	447	96 -	3	445	53696	54141
UN04418	Rsa1.0.00744.1	1049	66084	0	368	379	97 -	3	381	58901	59277
UN04419	Rsa1.0.01789.1	899	39250	0	520	536	97 -	365	898	6077	6607
UN04420	Rsa1.0.00006.1	1535	396176	0	1447	1481	97 -	55	1535	298181	299661
UN04421	Rsa1.0.00990.1	935	57445	4.00E-62	125	126	99 -	764	889	27028	27153
UN04422	Rsa1.0.01411.1	948	46326	1.00E-179	334	339	98 -	610	948	6419	6757
UN04423	Rsa1.0.00143.1	858	121313	0	828	857	96 +	1	856	32761	33608
UN04424	Rsa1.0.00037.1	1663	307838	0	387	403	96 +	245	647	218766	219165
UN04425	Rsa1.0.00175.1	929	166121	1.00E-107	237	246	96 +	1	245	56315	56558
UN04426	Rsa1.0.00379.1	1029	89865	1.00E-84	166	168	98 +	239	406	51509	51676
UN04427	Rsa1.0.53918.1	702	423	6.00E-48	98	98	100 +	369	466	1	98
UN04428	Rsa1.0.02056.1	1138	35543	0	577	593	97 +	399	991	34959	35543
UN04429	Rsa1.0.07885.1	1023	8359	0	712	772	92 +	1	765	6554	7323
UN04430	Rsa1.0.00453.1	339	83031	1.00E-148	325	340	95 -	1	336	73800	74138
UN04431	Rsa1.0.00181.1	1177	114269	1.00E-179	325	327	99 -	697	1023	43259	43585
UN04432	Rsa1.0.00042.1	1246	171507	1.00E-166	329	338	97 +	901	1234	159615	159952
UN04433	Rsa1.0.00338.1	1401	94109	1.00E-103	245	260	94 -	3	261	85638	85896
UN04434	Rsa1.0.02675.1	795	28852	1.00E-138	310	326	95 -	471	795	18809	19132
UN04435	Rsa1.0.01814.1	1273	38917	0	416	432	96 +	8	434	5754	6180
UN04436	Rsa1.0.02020.1	710	173211	1.00E-109	209	212	98 -	470	681	168234	168445
UN04437	Rsa1.0.01668.1	838	41299	0	468	473	98 +	365	837	30426	30898
UN04438	Rsa1.0.14737.1	801	3115	1.00E-164	314	321	97 -	352	672	2055	2375
UN04439	Rsa1.0.00374.1	1034	165738	0	422	439	96 +	595	1033	95144	95576
UN04440	Rsa1.0.02181.1	1207	34172	0	467	469	99 +	740	1206	20277	20745
UN04441	Rsa1.0.00100.1	806	249232	1.00E-169	310	313	99 -	2	314	176030	176342
UN04442	Rsa1.0.00096.1	930	198773	0	482	483	99 +	2	484	106464	106946
UN04443	Rsa1.0.03702.1	1082	21292	0	501	503	99 -	1	503	8205	8707
UN04444	Rsa1.0.00223.1	1713	106231	0	441	462	95 -	3	457	6079	6540

UN04445	Rsa1.0_01098.1	1098	54215	0	341	346	98 +	1	344	9648	9990
UN04446	Rsa1.0_00015.1	791	561803	0	520	546	95 -	61	601	13424	13965
UN04447	Rsa1.0_00051.1	927	258225	0	921	927	99 -	1	927	143003	143929
UN04448	Rsa1.0_00290.1	827	225096	1.00E-141	295	306	96 -	5	309	190482	190785
UN04449	Rsa1.0_00166.1	1452	240912	0	726	727	99 +	726	1452	129055	129781
UN04450	Rsa1.0_02139.1	688	34686	5.00E-70	230	256	89 +	1	250	5578	5831
UN04451	Rsa1.0_00197.1	840	109714	0	518	540	95 -	165	704	64829	65368
UN04452	Rsa1.0_01629.1	1364	41917	0	1362	1365	99 -	1	1363	5375	6739
UN04453	Rsa1.0_03380.1	897	23320	1.00E-153	287	291	98 +	2	292	6043	6333
UN04454	Rsa1.0_00325.1	774	95371	0	371	371	100 -	369	739	57594	57964
UN04455	Rsa1.0_01007.1	784	56933	0	765	781	97 +	4	784	6770	7540
UN04456	Rsa1.0_00589.1	1107	209965	0	1077	1107	97 -	1	1105	207003	208109
UN04457	Rsa1.0_03746.1	1092	21050	0	489	505	96 -	428	932	19838	20342
UN04458	Rsa1.0_10313.1	611	5892	0	590	610	96 +	1	609	2653	3261
UN04459	Rsa1.0_00250.1	775	273771	0	497	545	91 +	4	524	4460	5000
UN04460	Rsa1.0_00695.1	1237	68019	0	564	590	95 +	2	589	58750	59336
UN04461	Rsa1.0_00648.1	1110	70351	1.00E-148	345	375	92 +	64	420	12134	12505
UN04462	Rsa1.0_07749.1	452	8648	0	445	452	98 -	1	450	5793	6244
UN04463	Rsa1.0_00089.1	878	406142	1.00E-127	246	251	98 -	161	411	360701	360951
UN04464	Rsa1.0_01277.1	1295	49375	0	375	376	99 +	918	1293	8346	8721
UN04465	#	#	#	#	#	#	#	#	#	#	#
UN04466	Rsa1.0_00621.1	724	71840	0	337	340	99 +	1	340	41500	41839
UN04467	Rsa1.0_01588.1	763	42724	6.00E-73	165	173	95 -	17	185	41412	41584
UN04468	Rsa1.0_00030.1	377	250988	7.00E-74	192	204	94 +	31	229	149441	149644
UN04469	Rsa1.0_00258.1	1692	102381	0	1100	1100	100 +	2	1101	93318	94417
UN04470	Rsa1.0_02133.1	1101	34726	1.00E-93	228	245	93 +	181	422	31515	31759
UN04471	Rsa1.0_05162.1	971	14631	1.00E-167	350	366	95 -	611	971	5143	5507
UN04472	Rsa1.0_31253.1	1228	732	0	711	732	97 -	50	781	1	732
UN04473	Rsa1.0_00006.1	1109	396176	0	615	631	97 -	51	681	299033	299663
UN04474	Rsa1.0_00588.1	1259	73939	0	496	537	92 -	54	582	54483	55005
UN04475	Rsa1.0_01172.1	304	51734	3.00E-48	116	122	95 -	182	303	49798	49919
UN04476	Rsa1.0_00975.1	883	57865	0	824	857	96 -	1	854	55325	56177
UN04477	Rsa1.0_00378.1	1252	89892	0	685	721	95 +	8	722	47722	48441
UN04478	Rsa1.0_01727.1	530	40243	0	390	408	95 -	1	406	27900	28306
UN04479	Rsa1.0_00964.1	2062	316648	0	553	584	94 -	1483	2062	261721	262289
UN04480	Rsa1.0_02564.1	810	30047	1.00E-111	242	252	96 -	60	310	6841	7091
UN04481	Rsa1.0_01077.1	678	54772	0	417	417	100 +	3	419	51213	51629
UN04482	Rsa1.0_00120.1	870	277288	1.00E-77	239	266	89 +	605	865	119581	119846
UN04483	Rsa1.0_00273.1	966	326186	1.00E-148	307	319	96 +	22	340	46018	46335

UN04484	Rsa1.0.05505.1	1162	13500	0	969	1014	95 -	157	1162	12418	13420
UN04485	Rsa1.0.03727.1	931	21158	0	598	653	91 -	254	891	2879	3516
UN04486	Rsa1.0.00008.1	1218	358124	0	926	991	93 +	77	1064	28476	29460
UN04487	Rsa1.0.00037.1	1012	307838	1.00E-175	409	446	91 +	587	1012	239665	240101
UN04488	Rsa1.0_10770.1	1214	5723	2.00E-92	234	256	91 -	961	1213	570	813
UN04489	Rsa1.0_00341.1	914	249309	0	436	445	97 +	1	445	118056	118500
UN04490	Rsa1.0_21219.1	901	1224	1.00E-178	362	374	96 -	32	400	138	511
UN04491	Rsa1.0.00111.1	1924	390088	0	378	391	96 -	1218	1608	381110	381500
UN04492	Rsa1.0.00706.1	1127	291570	0	628	657	95 -	474	1125	23308	23961
UN04493	Rsa1.0.00299.1	719	97770	1.00E-150	272	273	99 -	294	566	19658	19930
UN04494	Rsa1.0.00018.1	1449	410899	0	1259	1288	97 +	167	1449	6100	7387
UN04495	Rsa1.0.00008.1	789	358124	1.00E-178	319	320	99 +	468	787	277916	278235
UN04496	Rsa1.0.03618.1	1540	21744	0	681	681	100 -	860	1540	5900	6580
UN04497	Rsa1.0_14912.1	927	2970	1.00E-131	319	342	93 +	594	927	1944	2285
UN04498	Rsa1.0.00016.1	1001	831256	0	451	462	97 -	91	552	569300	569761
UN04499	Rsa1.0.00335.1	1144	94371	1.00E-164	353	373	94 +	29	401	42163	42535
UN04500	Rsa1.0.00037.1	769	307838	2.00E-94	185	188	98 +	505	692	21411	21598
UN04501	Rsa1.0.02402.1	1803	31710	0	727	763	95 -	1045	1803	23950	24706
UN04502	Rsa1.0.00792.1	1073	64163	1.00E-116	251	261	96 -	1	260	7358	7617
UN04503	Rsa1.0.02769.1	888	28107	1.00E-150	301	309	97 -	228	534	20934	21241
UN04504	Rsa1.0_11276.1	1016	5560	1.00E-167	346	362	95 +	92	453	3	364
UN04505	Rsa1.0.00307.1	983	199003	2.00E-89	258	280	92 +	3	278	87390	87662
UN04506	Rsa1.0_01144.1	1028	52431	0	590	638	92 -	87	718	36426	37057
UN04507	Rsa1.0_05124.1	995	14790	0	954	995	95 -	2	993	307	1294
UN04508	Rsa1.0_01192.1	1376	51150	0	829	846	97 +	7	850	5907	6748
UN04509	Rsa1.0.00928.1	639	59293	1.00E-111	225	232	96 +	406	637	30313	30544
UN04510	Rsa1.0.00187.1	1046	393093	0	924	972	95 +	76	1044	212078	213045
UN04511	Rsa1.0.00183.1	1188	113277	0	439	453	96 -	724	1176	62771	63223
UN04512	Rsa1.0.00086.1	1541	439854	1.00E-144	266	268	99 -	1	268	373324	373591
UN04513	Rsa1.0.01487.1	1357	44784	0	372	388	95 -	330	717	27939	28326
UN04514	Rsa1.0.00323.1	967	159650	0	486	494	98 -	474	967	138320	138813
UN04515	Rsa1.0.04610.1	831	16653	1.00E-113	274	294	93 +	513	803	995	1288
UN04516	Rsa1.0.00698.1	283	67816	1.00E-111	243	255	95 -	35	283	12515	12769
UN04517	Rsa1.0.00374.1	877	165738	0	446	465	95 -	413	873	154901	155362
UN04518	Rsa1.0.00301.1	735	365315	1.00E-166	325	332	97 -	3	334	215181	215509
UN04519	Rsa1.0.05442.1	1287	13741	0	399	418	95 -	1	415	1778	2184
UN04520	Rsa1.0.01151.1	1192	52268	1.00E-147	271	273	99 +	600	872	10761	11033
UN04521	Rsa1.0.01244.1	1519	50061	1.00E-177	384	406	94 -	1	392	30687	31088
UN04522	Rsa1.0_04422.1	1373	17423	0	507	520	97 +	5	524	10123	10641

UN04523	Rsa1.0.00476.1	1069	280966	1.00E-179	343	351	97 -	3	353	220252	220602
UN04524	Rsa1.0.00235.1	749	154696	1.00E-150	272	273	99 +	346	618	98741	99013
UN04525	Rsa1.0.01560.1	833	43256	1.00E-118	288	306	94 +	525	824	30828	31132
UN04526	Rsa1.0.02036.1	732	35731	0	528	533	99 -	198	730	9713	10242
UN04527	Rsa1.0.00414.1	1128	202190	1.00E-169	351	365	96 -	423	785	200762	201126
UN04528	Rsa1.0.00160.1	779	346678	8.00E-97	180	180	100 -	398	577	318676	318855
UN04529	Rsa1.0.02569.1	916	30002	0	565	571	98 +	215	785	2463	3032
UN04530	Rsa1.0.01477.1	1212	45008	0	827	844	97 -	369	1212	42698	43540
UN04531	Rsa1.0.01081.1	835	499226	0	786	818	96 +	33	835	315447	316264
UN04532	Rsa1.0.11694.1	1255	131228	0	764	807	94 -	460	1255	127881	128687
UN04533	Rsa1.0.05076.1	1107	14916	0	1092	1108	98 -	1	1107	12234	13341
UN04534	Rsa1.0.02215.1	806	33822	1.00E-153	281	283	99 +	522	804	20760	21042
UN04535	Rsa1.0.02735.1	722	28344	0	405	423	95 +	12	427	11423	11845
UN04536	Rsa1.0.00246.1	800	103541	0	770	811	94 -	2	800	30122	30932
UN04537	Rsa1.0.00230.1	781	105389	1.00E-144	299	312	95 -	1	307	88061	88372
UN04538	Rsa1.0.01077.1	1185	54772	0	722	750	96 +	3	747	37847	38596
UN04539	Rsa1.0.00092.1	814	659932	0	503	538	93 -	291	814	313009	313534
UN04540	Rsa1.0.00067.1	1153	415055	1.00E-150	279	282	98 +	863	1144	244191	244472
UN04541	Rsa1.0.12731.1	1349	5142	1.00E-168	346	361	95 -	1	352	130	490
UN04542	Rsa1.0.00921.1	1246	59599	0	1186	1237	95 -	33	1244	4232	5464
UN04543	Rsa1.0.02128.1	1066	34758	0	434	458	94 -	83	540	23212	23665
UN04544	Rsa1.0.03792.1	778	20835	5.00E-98	251	274	91 -	418	691	10857	11130
UN04545	Rsa1.0.00015.1	1021	561803	1.00E-150	389	430	90 -	53	478	526505	526905
UN04546	Rsa1.0.01755.1	943	155581	0	884	930	95 -	1	929	11036	11959
UN04547	Rsa1.0.05347.1	670	14096	0	498	526	94 -	7	530	9260	9767
UN04548	Rsa1.0.00284.1	1062	323267	1.00E-157	329	340	96 +	4	339	281438	281775
UN04549	Rsa1.0.01606.1	962	42432	0	500	518	96 +	440	957	9028	9545
UN04550	Rsa1.0.00002.1	1603	601661	0	1492	1492	100 -	1	1492	367891	369382
UN04551	Rsa1.0.20494.1	1449	1299	0	524	550	95 +	351	892	356	899
UN04552	Rsa1.0.04762.1	1357	16101	0	400	412	97 +	1	410	9039	9450
UN04553	Rsa1.0.01154.1	1420	52249	1.00E-173	311	312	99 -	1004	1315	997	1308
UN04554	Rsa1.0.26696.1	826	881	0	501	514	97 +	2	514	368	881
UN04555	Rsa1.0.02383.1	792	31931	0	555	601	92 +	3	591	15278	15878
UN04556	Rsa1.0.01387.1	1106	46745	0	510	543	93 -	1	543	41689	42216
UN04557	Rsa1.0.04418.1	1120	17434	0	358	358	100 -	692	1049	11947	12304
UN04558	Rsa1.0.02641.1	1355	29191	0	429	429	100 -	1	429	16435	16863
UN04559	Rsa1.0.00010.1	815	294827	0	459	464	98 -	5	468	65435	65898
UN04560	Rsa1.0.00040.1	641	324196	1.00E-107	291	322	90 -	23	344	261455	261757
UN04561	Rsa1.0.00944.1	1143	58733	1.00E-149	271	272	99 +	283	554	34376	34647

UN04562	Rsa1.0.07695.1	1168	8770	0	458	477	96 +	3	479	1421	1897
UN04563	Rsa1.0.07066.1	707	9954	5.00E-70	144	147	97 -	160	306	8112	8258
UN04564	Rsa1.0.00051.1	1133	258225	0	518	551	94 -	592	1133	47526	48062
UN04565	Rsa1.0.00660.1	1390	69688	1.00E-126	242	245	98 -	1146	1390	61247	61490
UN04566	Rsa1.0.00356.1	1133	91521	0	386	405	95 -	372	776	80712	81097
UN04567	Rsa1.0.02900.1	731	26928	1.00E-104	286	313	91 +	413	723	16858	17165
UN04568	Rsa1.0.01696.1	1074	301850	7.00E-55	116	118	98 +	112	229	291386	291503
UN04569	Rsa1.0.00005.1	943	353093	0	484	505	95 +	415	919	260758	261250
UN04570	Rsa1.0.03296.1	1463	23969	0	705	710	99 -	454	1163	7643	8352
UN04571	Rsa1.0.00189.1	841	111830	0	594	595	99 +	247	841	110540	111134
UN04572	Rsa1.0.00139.1	1281	357786	0	392	410	95 +	1	404	257345	257754
UN04573	Rsa1.0.03122.1	504	25207	0	363	373	97 -	1	373	22678	23050
UN04574	Rsa1.0.00048.1	830	167185	1.00E-133	271	280	96 +	443	720	8087	8366
UN04575	Rsa1.0.00909.1	903	59976	1.00E-151	347	375	92 +	1	374	38203	38554
UN04576	Rsa1.0.03367.1	1657	23387	3.00E-86	196	207	94 +	257	463	1583	1789
UN04577	Rsa1.0.36749.1	919	613	1.00E-180	335	340	98 +	237	576	186	525
UN04578	Rsa1.0.01269.1	1103	49622	0	493	503	98 +	1	502	32580	33079
UN04579	Rsa1.0.20566.1	828	1292	1.00E-107	234	246	95 +	513	758	809	1054
UN04580	Rsa1.0.00054.1	938	162053	0	458	469	97 +	4	472	40324	40792
UN04581	Rsa1.0.01569.1	1092	43029	0	978	1001	97 +	88	1088	23798	24798
UN04582	Rsa1.0.01223.1	956	50392	1.00E-130	270	281	96 -	675	955	32546	32826
UN04583	Rsa1.0.00132.1	768	124299	1.00E-120	243	248	97 +	1	247	108496	108742
UN04584	Rsa1.0.01016.1	635	181422	1.00E-138	288	301	95 +	264	564	44377	44671
UN04585	Rsa1.0.00067.1	991	415055	0	984	984	100 +	6	989	400763	401746
UN04586	Rsa1.0.02429.1	717	31527	0	493	542	90 -	144	679	9754	10295
UN04587	Rsa1.0.01594.1	1282	42612	0	406	415	97 -	3	414	9290	9704
UN04588	Rsa1.0.05769.1	1416	12694	1.00E-168	309	312	99 -	447	758	8306	8617
UN04589	Rsa1.0.00007.1	757	239325	1.00E-100	204	210	97 -	541	750	41360	41569
UN04590	Rsa1.0.14767.1	538	3079	0	387	402	96 +	1	402	2511	2909
UN04591	Rsa1.0.05398.1	1146	13885	0	1110	1161	95 +	2	1144	9272	10420
UN04592	Rsa1.0.00307.1	1399	199003	1.00E-161	306	312	98 -	1	312	50440	50746
UN04593	Rsa1.0.01006.1	930	163670	0	489	503	97 +	3	491	135844	136346
UN04594	Rsa1.0.01442.1	734	45776	0	555	567	97 -	168	734	26177	26743
UN04595	Rsa1.0.02157.1	1026	149652	1.00E-121	289	313	92 +	1	310	143023	143319
UN04596	Rsa1.0.05621.1	654	13145	0	642	652	98 +	3	654	2047	2696
UN04597	Rsa1.0.00073.1	1260	240924	0	1255	1261	99 -	1	1260	79248	80508
UN04598	Rsa1.0.00111.1	1238	390088	0	410	426	96 -	505	930	199287	199712
UN04599	Rsa1.0.00816.1	844	403350	2.00E-91	171	171	100 +	542	712	271244	271414
UN04600	Rsa1.0.11057.1	639	5631	0	588	600	98 -	40	639	4116	4715

UN04601	Rsa1.0_00104.1	980	368722	3.00E-94	239	260	91 +	590	849	201374	201633
UN04602	Rsa1.0_01569.1	661	43029	0	458	462	99 -	200	661	19163	19624
UN04603	Rsa1.0_05701.1	1157	12884	0	604	604	100 -	1	604	1	604
UN04604	Rsa1.0_15024.1	976	2885	1.00E-142	289	298	96 -	679	974	2298	2592
UN04605	Rsa1.0_01806.1	1231	39021	0	516	541	95 -	1	535	24515	25049
UN04606	Rsa1.0_00094.1	903	139042	0	694	734	94 +	5	724	119268	119990
UN04607	Rsa1.0_04910.1	877	15484	1.00E-151	286	291	98 -	581	871	1909	2199
UN04608	Rsa1.0_05704.1	954	12883	0	591	623	94 +	2	624	2517	3136
UN04609	Rsa1.0_02246.1	1726	33435	0	598	598	100 -	810	1407	23284	23881
UN04610	Rsa1.0_05776.1	1269	12664	0	866	889	97 +	304	1192	132	1018
UN04611	Rsa1.0_00274.1	1070	210119	1.00E-140	278	286	97 -	1	286	98748	99029
UN04612	Rsa1.0_01656.1	1538	41494	0	548	569	96 -	769	1337	35614	36181
UN04613	Rsa1.0_00161.1	862	116891	0	773	809	95 +	58	862	54521	55311
UN04614	Rsa1.0_00057.1	1161	160473	0	396	408	97 -	55	462	100728	101135
UN04615	Rsa1.0_00960.1	713	58199	2.00E-94	188	192	97 -	265	456	13844	14035
UN04616	Rsa1.0_00391.1	299	183853	1.00E-139	287	299	95 -	1	299	87034	87332
UN04617	Rsa1.0_01730.1	952	40223	0	916	951	96 -	2	952	35582	36519
UN04618	Rsa1.0_00707.1	987	190112	0	354	364	97 +	621	984	55985	56346
UN04619	Rsa1.0_00293.1	991	339294	0	425	435	97 -	556	990	300404	300837
UN04620	Rsa1.0_01285.1	944	172709	0	915	947	96 -	1	944	150287	151230
UN04621	Rsa1.0_00833.1	980	62621	1.00E-132	249	252	98 -	1	252	7472	7723
UN04622	Rsa1.0_00201.1	1790	232851	1.00E-173	344	352	97 +	3	354	122097	122444
UN04623	Rsa1.0_00212.1	756	108350	1.00E-134	318	338	94 +	1	334	59942	60278
UN04624	Rsa1.0_00628.1	756	214360	1.00E-116	270	289	93 -	467	755	202724	203012
UN04625	Rsa1.0_00119.1	1341	467509	1.00E-153	324	339	95 -	1	339	302973	303310
UN04626	Rsa1.0_00789.1	751	64233	1.00E-70	152	155	98 -	3	157	44999	45150
UN04627	Rsa1.0_00758.1	603	65477	1.00E-135	260	265	98 -	334	598	11258	11522
UN04628	Rsa1.0_00276.1	1144	100160	0	736	749	98 +	393	1141	65711	66459
UN04629	Rsa1.0_02139.1	1204	34686	0	535	545	98 -	661	1204	24870	25414
UN04630	Rsa1.0_04786.1	1336	15988	0	632	663	95 -	73	725	14357	15007
UN04631	Rsa1.0_00247.1	761	103408	0	744	757	98 -	3	758	2156	2910
UN04632	Rsa1.0_21931.1	1702	1162	0	1147	1155	99 -	459	1613	1	1155
UN04633	Rsa1.0_03756.1	1032	143061	0	360	362	99 -	2	362	138726	139087
UN04634	Rsa1.0_08255.1	646	7652	1.00E-171	354	371	95 -	274	638	3887	4257
UN04635	Rsa1.0_03943.1	1164	19931	0	429	455	94 +	3	454	9444	9893
UN04636	Rsa1.0_00059.1	629	159650	1.00E-112	281	301	93 -	331	626	123662	123957
UN04637	Rsa1.0_13662.1	1111	4542	0	914	942	97 +	169	1107	3404	4345
UN04638	Rsa1.0_03244.1	796	24413	1.00E-168	402	439	91 +	12	429	10841	11276
UN04639	Rsa1.0_05241.1	1391	14405	0	528	545	96 +	851	1391	918	1461

UN04640	Rsa1.0.00159.1	1504	431686	0	804	808	99 -	691	1498	232519	233326
UN04641	Rsa1.0.02044.1	690	35651	1.00E-117	273	296	92 -	211	503	10568	10845
UN04642	Rsa1.0.01167.1	791	51859	0	756	787	96 -	3	789	48979	49746
UN04643	Rsa1.0.07017.1	768	10024	1.00E-129	272	282	96 -	3	283	5214	5489
UN04644	Rsa1.0.00955.1	1327	58358	1.00E-117	214	214	100 -	214	427	35701	35914
UN04645	Rsa1.0.22781.1	929	1095	1.00E-132	240	240	100 -	689	928	386	625
UN04646	Rsa1.0.02289.1	1361	32981	0	892	892	100 -	470	1361	11023	11914
UN04647	Rsa1.0.01730.1	1725	40223	0	1400	1436	97 +	295	1725	35176	36595
UN04648	Rsa1.0.07590.1	775	9068	0	756	777	97 +	1	775	2421	3184
UN04649	Rsa1.0.13893.1	661	4139	0	637	658	96 +	4	661	789	1446
UN04650	Rsa1.0.04428.1	748	17399	1.00E-170	326	331	98 -	3	332	11778	12107
UN04651	Rsa1.0.00894.1	605	269700	0	598	604	99 +	2	605	6004	6604
UN04652	Rsa1.0.01539.1	473	43698	0	354	357	99 -	117	473	29321	29677
UN04653	Rsa1.0.04411.1	1247	142979	1.00E-139	267	271	98 -	976	1245	6356	6626
UN04654	Rsa1.0.01343.1	1376	47735	0	356	357	99 -	8	364	9134	9490
UN04655	Rsa1.0.00385.1	2654	89160	9.00E-81	169	174	97 +	250	423	50842	51015
UN04656	Rsa1.0.01701.1	412	162121	1.00E-165	328	339	96 +	74	412	13837	14175
UN04657	Rsa1.0.00059.1	1279	159650	0	782	829	94 +	435	1240	63397	64222
UN04658	Rsa1.0.00468.1	1063	82095	0	1047	1054	99 +	2	1055	16354	17407
UN04659	Rsa1.0.01344.1	626	142535	4.00E-98	191	194	98 -	12	205	112174	112367
UN04660	Rsa1.0.00138.1	1321	247040	0	343	343	100 +	309	651	228322	228664
UN04661	Rsa1.0.00380.1	947	89748	1.00E-106	234	248	94 -	223	461	78451	78698
UN04662	Rsa1.0.03001.1	844	26108	1.00E-161	320	331	96 -	520	844	9377	9707
UN04663	Rsa1.0.00037.1	817	307838	1.00E-160	318	326	97 +	1	324	291540	291864
UN04664	Rsa1.0.00798.1	845	63945	0	425	438	97 -	154	591	45476	45913
UN04665	Rsa1.0.00886.1	1317	167350	1.00E-173	330	337	97 -	567	903	33611	33947
UN04666	Rsa1.0.00899.1	1489	60404	0	367	377	97 +	3	376	49106	49480
UN04667	Rsa1.0.07091.1	1017	9907	1.00E-129	262	271	96 -	60	330	1444	1714
UN04668	Rsa1.0.01115.1	1037	183545	1.00E-154	381	411	92 +	640	1037	6514	6921
UN04669	Rsa1.0.00052.1	1393	162771	0	471	477	98 +	476	952	119971	120447
UN04670	Rsa1.0.01220.1	1160	161775	1.00E-155	307	316	97 -	574	889	151183	151495
UN04671	Rsa1.0.00828.1	1047	62744	0	363	365	99 -	3	367	9576	9940
UN04672	Rsa1.0.00045.1	1154	328694	1.00E-137	266	271	98 +	885	1153	93515	93785
UN04673	Rsa1.0.00019.1	1209	301669	0	508	514	98 -	444	954	55803	56316
UN04674	Rsa1.0.00039.1	807	296927	1.00E-160	315	323	97 -	452	774	12676	12997
UN04675	Rsa1.0.00339.1	1429	222974	0	768	800	96 -	3	779	81609	82408
UN04676	Rsa1.0.00152.1	849	257730	0	742	795	93 -	44	824	41453	42242
UN04677	Rsa1.0.01186.1	1832	51418	0	748	766	97 -	828	1593	10845	11609
UN04678	Rsa1.0.00979.1	1152	57733	1.00E-130	266	275	96 -	180	451	41925	42199

UN04679	Rsa1.0.02950.1	977	26506	1.00E-123	266	280	95 -	462	741	6577	6856
UN04680	Rsa1.0.00253.1	1004	231292	0	642	659	97 +	348	1004	97765	98413
UN04681	Rsa1.0.01575.1	985	42924	0	531	545	97 -	263	807	32336	32880
UN04682	Rsa1.0.03450.1	927	22835	0	385	398	96 -	14	411	6175	6569
UN04683	Rsa1.0.00124.1	1227	262503	0	782	841	92 -	173	1006	194245	195065
UN04684	Rsa1.0.00037.1	818	307838	1.00E-113	225	231	97 -	215	445	290183	290413
UN04685	Rsa1.0.00582.1	714	74333	1.00E-126	257	264	97 +	3	262	61533	61796
UN04686	Rsa1.0.00533.1	770	77375	1.00E-130	271	282	96 -	223	504	66091	66369
UN04687	Rsa1.0.00528.1	1187	164755	0	612	624	98 +	1	621	100715	101332
UN04688	Rsa1.0.04284.1	920	18085	1.00E-138	328	350	93 -	23	366	10452	10800
UN04689	Rsa1.0.03789.1	683	20847	0	659	680	96 -	2	681	15957	16632
UN04690	Rsa1.0.29592.1	847	778	0	764	772	98 +	2	773	7	778
UN04691	Rsa1.0.00253.1	1540	231292	0	469	483	97 +	954	1431	161204	161686
UN04692	Rsa1.0.00009.1	924	232558	0	867	871	99 -	54	924	12145	13013
UN04693	Rsa1.0.00386.1	428	89134	0	420	427	98 +	2	428	62834	63256
UN04694	Rsa1.0.06803.1	1153	10330	2.00E-83	164	166	98 -	257	422	8465	8630
UN04695	Rsa1.0.00006.1	989	396176	0	932	999	93 +	2	983	385740	386718
UN04696	Rsa1.0.04214.1	1153	18437	0	566	568	99 +	3	570	2964	3530
UN04697	Rsa1.0.01606.1	837	42432	1.00E-142	263	265	99 -	1	265	7853	8117
UN04698	Rsa1.0.00131.1	1268	432233	0	427	434	98 -	1	431	11596	12029
UN04699	Rsa1.0.01375.1	792	47038	1.00E-122	293	322	90 +	3	324	11143	11442
UN04700	Rsa1.0.01673.1	1228	41197	0	405	410	98 +	211	620	8507	8916
UN04701	Rsa1.0.14756.1	1316	3096	8.00E-86	184	190	96 +	1	190	1777	1965
UN04702	Rsa1.0.00846.1	1208	62342	0	393	394	99 +	10	402	44296	44689
UN04703	Rsa1.0.00627.1	919	71566	0	535	605	88 +	184	776	25176	25747
UN04704	Rsa1.0.02599.1	1021	29660	0	605	633	95 -	6	631	4092	4721
UN04705	Rsa1.0.00562.1	1314	75565	0	1156	1187	97 +	1	1172	23864	25047
UN04706	Rsa1.0.21131.1	1317	1232	1.00E-115	212	212	100 -	965	1176	482	693
UN04707	Rsa1.0.00051.1	969	258225	0	936	991	94 -	1	967	113691	114675
UN04708	Rsa1.0.04537.1	1027	16946	1.00E-122	226	227	99 -	799	1025	129	355
UN04709	Rsa1.0.00221.1	925	106972	1.00E-174	459	510	90 -	391	876	96286	96790
UN04710	Rsa1.0.00027.1	1285	283362	0	1074	1110	96 +	37	1146	37638	38735
UN04711	Rsa1.0.00745.1	253	66067	1.00E-52	225	260	86 +	1	253	46551	46802
UN04712	Rsa1.0.00019.1	1147	301669	0	463	492	94 +	464	952	283135	283626
UN04713	Rsa1.0.00317.1	1158	218290	0	401	415	96 +	742	1156	93301	93715
UN04714	Rsa1.0.02792.1	1196	27829	6.00E-77	240	269	89 -	481	746	18518	18785
UN04715	Rsa1.0.00640.1	584	70979	0	531	553	96 -	1	553	49402	49953
UN04716	Rsa1.0.02171.1	1047	167557	9.00E-39	241	291	82 -	535	824	11741	12030
UN04717	Rsa1.0.00498.1	1063	79746	0	379	394	96 -	677	1061	65592	65985

UN04718	Rsa1.0.02360.1	776	32203	0	531	562	94 -	6	555	28271	28827
UN04719	Rsa1.0.00051.1	1313	258225	0	656	665	98 +	649	1313	56038	56702
UN04720	Rsa1.0.31253.1	1176	732	0	715	732	97 -	35	766	1	732
UN04721	Rsa1.0.00451.1	1042	322533	0	559	590	94 +	19	607	261509	262097
UN04722	Rsa1.0.02448.1	926	31315	0	592	614	96 -	1	609	24478	25090
UN04723	Rsa1.0.00661.1	1089	213041	0	502	516	97 +	11	525	57222	57737
UN04724	Rsa1.0.04557.1	764	145048	0	397	419	94 +	25	439	135308	135723
UN04725	Rsa1.0.00551.1	1194	76227	1.00E-125	228	228	100 -	593	820	49962	50189
UN04726	Rsa1.0.49294.1	988	460	0	427	428	99 +	560	987	1	428
UN04727	Rsa1.0.00087.1	988	761073	4.00E-96	185	187	98 -	173	359	50644	50830
UN04728	Rsa1.0.00265.1	642	220635	1.00E-172	348	362	96 +	279	640	158595	158956
UN04729	Rsa1.0.00369.1	736	266462	4.00E-83	209	224	93 -	108	331	10326	10541
UN04730	Rsa1.0.18758.1	843	1540	0	617	633	97 -	213	838	902	1532
UN04731	Rsa1.0.00173.1	799	288743	1.00E-108	257	277	92 +	162	424	41089	41362
UN04732	Rsa1.0.01411.1	383	46326	0	378	381	99 -	1	381	29718	30098
UN04733	Rsa1.0.00466.1	1073	82132	0	689	697	98 +	3	698	7931	8624
UN04734	Rsa1.0.02754.1	1494	28213	0	500	500	100 -	1	500	14522	15021
UN04735	Rsa1.0.00140.1	1033	121541	0	536	541	99 -	7	545	60172	60712
UN04736	Rsa1.0.00394.1	1218	148426	0	560	561	99 +	3	563	135130	135689
UN04737	Rsa1.0.09922.1	1338	6089	0	759	765	99 +	1	765	1229	1993
UN04738	Rsa1.0.07613.1	1278	9021	0	724	726	99 -	4	729	2805	3530
UN04739	Rsa1.0.00016.1	1132	831256	0	496	531	93 -	532	1061	356909	357430
UN04740	Rsa1.0.00014.1	961	348985	0	582	590	98 +	1	587	282720	283307
UN04741	Rsa1.0.00237.1	928	235974	1.00E-103	261	281	92 -	650	926	4692	4971
UN04742	Rsa1.0.01397.1	563	183276	2.00E-81	169	174	97 -	325	498	171632	171805
UN04743	Rsa1.0.00104.1	1001	368722	1.00E-59	271	322	84 +	15	336	186977	187298
UN04744	Rsa1.0.00018.1	1070	410899	1.00E-136	276	286	96 -	114	399	68738	69023
UN04745	Rsa1.0.01110.1	1007	195852	0	437	447	97 +	1	447	31836	32280
UN04746	Rsa1.0.00408.1	1216	176752	0	705	732	96 +	1	728	105869	106593
UN04747	Rsa1.0.06607.1	983	10674	0	406	424	95 +	562	983	10219	10636
UN04748	Rsa1.0.03826.1	1320	20614	1.00E-151	287	292	98 -	232	523	14877	15168
UN04749	Rsa1.0.00451.1	850	322533	1.00E-165	335	346	96 -	224	568	156753	157097
UN04750	Rsa1.0.04235.1	839	18373	0	835	842	99 -	2	839	16353	17194
UN04751	Rsa1.0.01377.1	1302	46967	0	803	817	98 -	1	817	9190	10006
UN04752	Rsa1.0.01544.1	1120	185602	1.00E-113	368	420	87 -	12	430	165822	166241
UN04753	Rsa1.0.00191.1	571	316976	2.33E-156	302	310	97 -	2	308	293050	293358
UN04754	Rsa1.0.00092.1	675	659932	1.00E-177	363	374	97 +	77	448	457311	457682
UN04755	Rsa1.0.07292.1	1082	9605	1.00E-131	247	249	99 +	364	610	2153	2401
UN04756	Rsa1.0.00387.1	1243	495407	1.00E-161	325	337	96 -	906	1242	396974	397310

UN04757	Rsa1.0.02696.1	900	28600	1.00E-166	312	317	98 +	1	317	17258	17574
UN04758	Rsa1.0.00039.1	944	296927	9.00E-54	342	420	81 +	439	858	229897	230316
UN04759	Rsa1.0.01293.1	1214	49139	1.00E-158	283	283	100 -	244	526	23051	23333
UN04760	Rsa1.0.00484.1	788	203294	0	680	689	98 +	1	689	156462	157147
UN04761	Rsa1.0.15815.1	1018	2409	0	474	511	92 -	38	526	1687	2196
UN04762	Rsa1.0.04199.1	1016	18501	0	519	530	97 +	1	528	5304	5833
UN04763	Rsa1.0.04250.1	944	18264	1.00E-179	325	327	99 -	1	327	37	363
UN04764	Rsa1.0.00652.1	905	70089	0	431	431	100 -	475	905	46873	47303
UN04765	Rsa1.0.00632.1	653	183777	1.00E-121	309	340	90 -	307	633	149100	149438
UN04766	Rsa1.0.01769.1	756	39568	1.00E-142	352	384	91 +	190	573	30783	31166
UN04767	Rsa1.0.00305.1	778	97308	1.00E-166	296	296	100 +	2	297	94401	94696
UN04768	Rsa1.0.00652.1	1305	70089	0	580	586	98 +	49	632	18064	18649
UN04769	Rsa1.0.18699.1	771	1549	0	444	451	98 +	2	451	778	1228
UN04770	Rsa1.0.00596.1	665	73578	0	661	665	99 +	1	665	70145	70809
UN04771	Rsa1.0.00724.1	949	66789	0	769	782	98 -	13	792	58679	59460
UN04772	Rsa1.0.00519.1	753	197864	0	739	754	98 +	1	752	35029	35782
UN04773	Rsa1.0.00527.1	857	77733	0	408	417	97 +	441	857	54019	54435
UN04774	Rsa1.0.02649.1	833	29072	0	809	846	95 -	2	831	12637	13481
UN04775	Rsa1.0.02753.1	669	28215	0	633	688	92 +	1	667	8048	8728
UN04776	Rsa1.0.03586.1	1069	21913	0	888	923	96 -	149	1069	11244	12161
UN04777	Rsa1.0.01121.1	846	53407	0	662	699	94 -	6	698	19076	19773
UN04778	Rsa1.0.00038.1	827	314568	1.00E-100	266	289	92 -	23	301	16997	17282
UN04779	Rsa1.0.03837.1	591	20559	1.00E-152	434	478	90 -	125	591	14785	15242
UN04780	Rsa1.0.00473.1	1078	212204	0	400	402	99 +	1	402	66299	66700
UN04781	Rsa1.0.01112.1	1012	310601	0	531	552	96 -	20	569	31685	32233
UN04782	Rsa1.0.00038.1	1500	314568	0	359	362	99 -	2	362	45790	46151
UN04783	Rsa1.0.00017.1	1148	752458	4.00E-50	239	282	84 -	122	396	647716	647997
UN04784	Rsa1.0.17407.1	895	1838	1.00E-15	146	175	83 -	369	541	1277	1448
UN04785	Rsa1.0.04039.1	962	19467	0	560	573	97 -	3	568	18509	19081
UN04786	Rsa1.0.01373.1	638	47052	0	637	638	99 -	1	638	31440	32077
UN04787	Rsa1.0.00058.1	867	159921	0	419	445	94 -	428	867	118367	118804
UN04788	Rsa1.0.01679.1	1260	146876	2.00E-80	232	257	90 +	18	272	135000	135247
UN04789	Rsa1.0.02744.1	329	28268	1.00E-160	322	331	97 -	3	329	21574	21903
UN04790	Rsa1.0.02347.1	1332	32332	0	538	544	98 +	1	542	18586	19129
UN04791	Rsa1.0.01719.1	1177	40388	0	529	548	96 +	4	551	31915	32459
UN04792	Rsa1.0.10873.1	1205	5694	1.00E-169	421	457	92 +	1	440	2548	3002
UN04793	Rsa1.0.02474.1	1116	31076	1.00E-144	282	289	97 +	831	1116	21211	21499
UN04794	Rsa1.0.01644.1	1385	41754	2.00E-68	143	145	98 -	1132	1275	32706	32850
UN04795	Rsa1.0.44152.1	1301	509	1.00E-160	317	326	97 +	865	1189	184	509

UN04796	Rsa1.0_01809.1	1282	39004	0	427	438	97 +	1	438	27652	28085
UN04797	Rsa1.0_32801.1	1052	694	0	418	423	98 +	406	828	1	423
UN04798	Rsa1.0_02955.1	1353	26484	1.00E-155	308	315	97 -	1038	1351	1308	1621
UN04799	Rsa1.0_03860.1	1377	20407	1.00E-143	273	278	98 +	653	930	16711	16988
UN04800	Rsa1.0_00002.1	1468	601661	0	322	322	100 +	1	322	398039	398360
UN04801	Rsa1.0_03974.1	802	19770	0	787	803	98 -	1	802	703	1505
UN04802	Rsa1.0_00015.1	1571	561803	0	1121	1191	94 +	2	1163	412690	413872
UN04803	Rsa1.0_02950.1	1207	26506	0	536	538	99 -	247	784	5272	5809
UN04804	Rsa1.0_00109.1	1601	132735	0	612	612	100 +	986	1597	87248	87859
UN04805	Rsa1.0_00180.1	1041	114581	1.00E-113	270	289	93 +	1	283	34782	35066
UN04806	Rsa1.0_02182.1	907	34172	0	501	505	99 +	1	505	21484	21987
UN04807	Rsa1.0_00116.1	1097	365886	0	595	661	90 +	438	1091	28071	28706
UN04808	Rsa1.0_01511.1	1506	44235	0	674	680	99 +	1	678	18470	19149
UN04809	Rsa1.0_04203.1	1295	18479	0	477	501	95 -	1	500	14421	14915
UN04810	Rsa1.0_02223.1	1301	152421	0	387	387	100 -	915	1301	152035	152421
UN04811	Rsa1.0_02085.1	1307	35198	0	1184	1254	94 +	1	1244	18331	19557
UN04812	Rsa1.0_01604.1	1345	42461	0	800	808	99 -	538	1345	38433	39240
UN04813	Rsa1.0_00016.1	1437	831256	0	511	558	91 -	805	1349	17399	17944
UN04814	Rsa1.0_01042.1	817	293264	1.00E-172	306	306	100 -	223	528	152814	153119
UN04815	Rsa1.0_00271.1	907	101125	1.00E-178	455	501	90 +	107	591	26584	27065
UN04816	Rsa1.0_00026.1	810	327835	0	649	655	99 +	155	809	145834	146488
UN04817	Rsa1.0_05586.1	1072	13263	1.00E-153	288	291	98 +	647	936	2007	2297
UN04818	Rsa1.0_00036.1	1106	176186	0	360	369	97 +	308	676	102434	102802
UN04819	Rsa1.0_02178.1	922	156197	0	753	802	93 -	31	821	150274	151074
UN04820	Rsa1.0_00916.1	1162	59789	1.00E-144	363	394	92 +	700	1082	30361	30751
UN04821	Rsa1.0_00473.1	1206	212204	0	607	634	95 -	20	652	81059	81682
UN04822	Rsa1.0_00179.1	825	393324	0	747	752	99 -	1	752	390831	391582
UN04823	Rsa1.0_02215.1	1099	33822	0	587	610	96 -	38	643	9505	10108
UN04824	Rsa1.0_05800.1	734	141392	0	394	400	98 -	100	499	134991	135390
UN04825	Rsa1.0_00585.1	675	74164	0	589	591	99 -	84	674	52712	53302
UN04826	Rsa1.0_59968.1	695	382	1.00E-143	273	278	98 +	358	635	104	381
UN04827	Rsa1.0_00297.1	1147	97836	0	450	470	95 -	678	1147	26265	26734
UN04828	Rsa1.0_00731.1	1263	66638	0	554	577	96 -	680	1256	14123	14699
UN04829	Rsa1.0_01537.1	676	187285	1.00E-162	407	445	91 +	235	676	839	1260
UN04830	Rsa1.0_00683.1	1526	68638	0	1376	1400	98 -	129	1524	31148	32547
UN04831	Rsa1.0_02210.1	1112	33857	1.00E-175	311	311	100 -	802	1112	12095	12405
UN04832	Rsa1.0_19209.1	1231	1464	0	377	391	96 +	834	1223	927	1317
UN04833	Rsa1.0_01133.1	1357	52916	1.00E-164	300	302	99 +	1056	1357	49183	49484
UN04834	Rsa1.0_00339.1	1401	222974	1.00E-177	424	454	93 +	955	1401	66593	67042

UN04835	Rsa1.0.00634.1	947	71222	0	323	323	100 -	3	325	70500	70822
UN04836	Rsa1.0.01077.1	993	54772	1.00E-87	168	169	99 +	563	731	18326	18494
UN04837	Rsa1.0.03091.1	1272	25454	0	426	437	97 -	837	1272	417	853
UN04838	Rsa1.0.02248.1	787	33414	0	753	783	96 -	3	771	32009	32788
UN04839	Rsa1.0.02020.1	700	173211	1.00E-126	248	254	97 -	3	256	21498	21751
UN04840	Rsa1.0.01920.1	1727	158533	0	470	490	95 +	1202	1687	128072	128554
UN04841	Rsa1.0.00398.1	1691	88007	0	535	554	96 -	1138	1691	10261	10807
UN04842	Rsa1.0.06775.1	606	10379	1.00E-121	280	297	94 -	4	300	3644	3938
UN04843	Rsa1.0.02433.1	1236	158318	1.00E-161	294	296	99 -	939	1234	13335	13630
UN04844	Rsa1.0.00187.1	1039	393093	1.00E-141	270	275	98 -	592	866	34497	34771
UN04845	Rsa1.0.05338.1	768	144511	1.00E-116	241	249	96 -	8	256	10748	10995
UN04846	Rsa1.0.00538.1	1023	77149	1.00E-87	165	165	100 +	772	936	69811	69975
UN04847	Rsa1.0.01512.1	1584	44234	0	500	516	96 +	596	1111	17477	17992
UN04848	Rsa1.0.04603.1	1095	16682	0	568	572	99 +	524	1095	7586	8157
UN04849	Rsa1.0.02266.1	1006	33195	1.00E-99	195	197	98 -	811	1006	30769	30965
UN04850	Rsa1.0.04735.1	1109	16180	0	703	704	99 +	407	1109	8132	8835
UN04851	Rsa1.0.00012.1	1103	222148	0	402	423	95 -	685	1103	10177	10599
UN04852	Rsa1.0.01026.1	801	171624	1.00E-123	269	281	95 +	11	289	158746	159026
UN04853	Rsa1.0.00325.1	1406	95371	1.00E-128	263	273	96 +	303	575	79215	79487
UN04854	Rsa1.0.09720.1	1475	6190	0	359	360	99 -	1116	1475	4163	4522
UN04855	Rsa1.0.03027.1	833	25883	8.00E-48	134	146	91 -	609	754	11931	12076
UN04856	Rsa1.0.02128.1	1150	34758	0	344	345	99 +	806	1150	16324	16668
UN04857	Rsa1.0.02224.1	729	33758	0	362	364	99 -	366	729	4588	4951
UN04858	Rsa1.0.02725.1	844	28404	1.00E-125	227	227	100 +	3	229	6530	6756
UN04859	Rsa1.0.01762.1	744	39682	1.00E-180	359	372	96 +	165	536	1493	1864
UN04860	Rsa1.0.08776.1	840	6932	1.00E-142	275	281	97 +	559	839	2706	2986
UN04861	Rsa1.0.02720.1	732	28427	0	456	480	95 +	253	732	11937	12408
UN04862	Rsa1.0.00008.1	1202	358124	0	571	575	99 +	16	589	293999	294573
UN04863	Rsa1.0.00377.1	1417	90038	1.00E-133	348	384	90 -	1047	1417	51756	52136
UN04864	Rsa1.0.01091.1	1006	54383	0	416	441	94 -	514	954	11466	11894
UN04865	Rsa1.0.01951.1	1070	36941	1.00E-149	333	354	94 -	509	862	11135	11485
UN04866	Rsa1.0.01092.1	830	54348	6.00E-67	136	138	98 +	430	567	51202	51339
UN04867	Rsa1.0.00813.1	1114	63202	0	530	550	96 -	520	1063	23119	23668
UN04868	Rsa1.0.04238.1	1164	18352	0	399	413	96 +	751	1160	8709	9119
UN04869	Rsa1.0.00967.1	1149	58049	0	801	850	94 -	99	945	18214	19035
UN04870	Rsa1.0.00360.1	1240	91190	0	1201	1241	96 +	1	1240	60201	61423
UN04871	Rsa1.0.00925.1	1087	59481	0	446	464	96 +	2	464	5621	6084
UN04872	Rsa1.0.00657.1	1227	69858	8.00E-95	192	197	97 -	1029	1225	58014	58210
UN04873	Rsa1.0.09414.1	830	6386	0	692	744	93 -	3	737	607	1349

UN04874	Rsa1.0.00122.1	822	265937	0	807	822	98 -	1	822	258766	259575
UN04875	Rsa1.0.00740.1	1135	215972	0	425	427	99 +	709	1134	212344	212769
UN04876	Rsa1.0.00632.1	790	183777	1.00E-126	230	230	100 +	431	660	156932	157161
UN04877	Rsa1.0.00482.1	1668	81162	0	657	680	96 -	1	672	41277	41955
UN04878	Rsa1.0.00585.1	784	74164	1.00E-177	323	326	99 -	335	660	49228	49553
UN04879	Rsa1.0.00985.1	836	161950	1.00E-163	319	327	97 -	3	328	28899	29225
UN04880	Rsa1.0.00004.1	1076	253996	0	660	683	96 -	399	1076	69092	69773
UN04881	Rsa1.0.01263.1	782	49703	7.00E-48	111	114	97 -	627	739	30765	30878
UN04882	Rsa1.0.15481.1	1444	2582	0	603	626	96 -	835	1443	1066	1691
UN04883	Rsa1.0.04065.1	805	19275	2.33E-156	358	381	93 +	425	801	3173	3543
UN04884	Rsa1.0.08862.1	1435	6847	0	406	408	99 +	691	1098	6440	6847
UN04885	Rsa1.0.06164.1	1347	11584	1.00E-148	322	338	95 +	5	340	1546	1882
UN04886	Rsa1.0.04957.1	812	15330	1.00E-104	204	208	98 -	259	466	563	770
UN04887	Rsa1.0.00260.1	902	102021	1.00E-166	401	436	91 +	282	711	63807	64242
UN04888	Rsa1.0.01273.1	756	49464	1.00E-104	214	221	96 -	186	406	40519	40739
UN04889	Rsa1.0.03166.1	1901	24863	0	1254	1306	96 -	3	1305	2873	4176
UN04890	Rsa1.0.00218.1	1603	201480	0	456	479	95 +	1122	1600	180348	180822
UN04891	Rsa1.0.00646.1	1193	70473	0	430	445	96 +	26	470	22394	22838
UN04892	#	#	#	#	#	#	#	#	#	#	#
UN04893	Rsa1.0.02171.1	805	167557	1.00E-177	325	327	99 -	479	805	12971	13296
UN04894	Rsa1.0.04197.1	888	18515	0	639	642	99 +	247	888	7981	8621
UN04895	Rsa1.0.00190.1	808	318240	1.00E-160	289	290	99 +	2	291	10015	10304
UN04896	Rsa1.0.00506.1	1551	79106	1.00E-105	204	207	98 -	433	639	13459	13665
UN04897	Rsa1.0.01302.1	998	48907	0	590	613	96 +	180	792	1159	1767
UN04898	Rsa1.0.00203.1	1482	109129	0	790	815	96 +	2	816	37274	38088
UN04899	Rsa1.0.00377.1	1220	90038	1.00E-107	224	233	96 -	982	1214	85916	86148
UN04900	Rsa1.0.07815.1	1573	8487	1.00E-100	186	186	100 +	1388	1573	1245	1430
UN04901	Rsa1.0.02575.1	1734	29944	0	1243	1306	95 -	20	1303	19483	20787
UN04902	Rsa1.0.02220.1	1096	176031	0	1090	1096	99 -	1	1096	146	1241
UN04903	Rsa1.0.00744.1	813	66084	1.00E-148	307	319	96 -	316	633	3557	3875
UN04904	Rsa1.0.08511.1	891	7252	0	459	469	97 -	411	878	1798	2266
UN04905	Rsa1.0.08961.1	961	6750	0	398	414	96 -	551	961	4341	4752
UN04906	Rsa1.0.23397.1	983	1052	0	505	521	96 -	108	628	492	1012
UN04907	Rsa1.0.02200.1	697	33981	0	442	449	98 +	203	651	24074	24522
UN04908	Rsa1.0.00178.1	1893	114861	0	1059	1065	99 -	829	1893	93333	94397
UN04909	Rsa1.0.01149.1	726	160459	0	543	554	98 -	3	556	17137	17680
UN04910	Rsa1.0.00092.1	1165	659932	2.33E-156	275	279	98 -	3	281	340621	340899
UN04911	Rsa1.0.13911.1	481	4104	1.00E-123	245	252	97 -	230	481	2642	2893
UN04912	Rsa1.0.00051.1	1112	258225	0	397	398	99 -	715	1112	151335	151732

UN04913	Rsa1.0_01100.1	1570	54113	0	436	436	100 -	1125	1560	171	606
UN04914	Rsa1.0_00189.1	683	111830	0	385	397	96 -	288	683	71029	71425
UN04915	Rsa1.0_01595.1	1501	175383	0	412	423	97 -	1079	1501	17815	18237
UN04916	Rsa1.0_00078.1	817	175053	1.00E-123	225	225	100 +	120	344	54810	55034
UN04917	Rsa1.0_01016.1	883	181422	0	355	362	98 +	396	755	26071	26432
UN04918	Rsa1.0_70187.1	1128	326	1.00E-170	304	304	100 -	742	1045	1	304
UN04919	Rsa1.0_01121.1	854	53407	0	849	852	99 -	1	852	28959	29810
UN04920	Rsa1.0_00768.1	678	64969	1.00E-73	159	165	96 -	289	453	52219	52383
UN04921	Rsa1.0_05482.1	943	13595	0	366	366	100 -	104	469	12266	12631
UN04922	Rsa1.0_00055.1	952	520193	0	426	438	97 -	1	435	58688	59125
UN04923	Rsa1.0_00089.1	554	406142	0	355	363	97 +	3	365	80796	81158
UN04924	Rsa1.0_26100.1	913	906	0	645	647	99 -	240	885	1	647
UN04925	Rsa1.0_22847.1	836	1089	0	378	384	98 -	453	835	706	1089
UN04926	Rsa1.0_00061.1	1372	218685	1.00E-134	320	347	92 -	1026	1372	84200	84527
UN04927	Rsa1.0_33701.1	819	673	0	388	398	97 -	1	398	2	397
UN04928	Rsa1.0_01649.1	766	41624	7.00E-88	174	177	98 +	262	438	36122	36298
UN04929	Rsa1.0_01920.1	787	158533	0	390	394	98 -	10	403	25105	25497
UN04930	Rsa1.0_01606.1	747	42432	1.00E-107	223	230	96 +	4	233	3851	4075
UN04931	Rsa1.0_00330.1	725	94666	1.00E-138	337	364	92 +	3	366	85362	85721
UN04932	Rsa1.0_11786.1	880	5409	0	876	876	100 -	3	878	3020	3895
UN04933	Rsa1.0_00302.1	902	97521	0	892	899	99 -	4	902	91995	92892
UN04934	Rsa1.0_00017.1	975	752458	0	706	759	93 -	216	965	510949	511702
UN04935	Rsa1.0_03487.1	596	22564	0	593	594	99 +	3	596	8625	9218
UN04936	Rsa1.0_00035.1	862	176449	2.00E-76	152	154	98 +	223	376	155795	155948
UN04937	Rsa1.0_04342.1	1487	17828	1.00E-137	269	276	97 -	1207	1482	7828	8103
UN04938	Rsa1.0_00037.1	965	307838	1.00E-142	277	284	97 +	546	829	239665	239948
UN04939	Rsa1.0_02205.1	1174	33923	1.00E-167	307	310	99 -	733	1042	14306	14615
UN04940	Rsa1.0_08097.1	651	7914	1.00E-110	227	234	97 -	2	234	1390	1623
UN04941	Rsa1.0_01663.1	780	168589	0	499	517	96 +	3	516	69	582
UN04942	Rsa1.0_01779.1	1167	39448	0	1010	1062	95 -	3	1063	16345	17394
UN04943	Rsa1.0_00808.1	1185	63351	0	640	673	95 -	534	1185	39465	40137
UN04944	Rsa1.0_00192.1	861	278200	0	380	380	100 +	482	861	223102	223481
UN04945	Rsa1.0_01275.1	512	49405	1.00E-132	266	275	96 -	238	512	8117	8391
UN04946	Rsa1.0_00087.1	950	761073	1.00E-148	377	407	92 -	531	932	615104	615505
UN04947	Rsa1.0_01660.1	864	41400	0	380	394	96 +	440	833	27246	27639
UN04948	Rsa1.0_00074.1	1099	147591	0	1001	1094	91 +	2	1094	13948	15017
UN04949	Rsa1.0_06047.1	994	11854	0	384	400	96 -	593	987	305	704
UN04950	Rsa1.0_02722.1	1167	28417	1.00E-152	301	310	97 +	513	822	959	1268
UN04951	Rsa1.0_02895.1	982	26979	0	959	979	97 +	3	981	6988	7966

UN04952	Rsa1.0_00752.1	870	65756	1.00E-148	324	339	95 +	533	870	14186	14522
UN04953	Rsa1.0_00011.1	914	225044	0	437	449	97 -	3	449	146662	147109
UN04954	Rsa1.0_10147.1	1216	5976	0	440	446	98 +	3	448	658	1103
UN04955	Rsa1.0_01388.1	1130	46741	0	429	442	97 +	283	724	8787	9225
UN04956	Rsa1.0_01400.1	1313	46560	0	403	417	96 +	898	1312	13162	13575
UN04957	Rsa1.0_03330.1	861	23671	1.00E-123	230	232	99 -	3	234	20283	20514
UN04958	Rsa1.0_00416.1	963	86772	0	502	517	97 +	453	963	43593	44109
UN04959	Rsa1.0_11046.1	1311	5635	1.00E-151	324	339	95 +	978	1309	3092	3429
UN04960	Rsa1.0_06039.1	1157	11867	7.00E-86	237	260	91 -	890	1145	11496	11750
UN04961	Rsa1.0_01760.1	1269	39730	0	553	573	96 -	700	1269	5789	6361
UN04962	Rsa1.0_12094.1	1502	5316	1.00E-91	172	172	100 -	1288	1459	1	172
UN04963	Rsa1.0_01216.1	1424	50580	0	1422	1427	99 -	2	1424	3394	4820
UN04964	Rsa1.0_03838.1	1389	20544	0	1384	1391	99 +	1	1389	4478	5868
UN04965	Rsa1.0_02681.1	667	28711	1.00E-157	294	298	98 -	225	522	14013	14310
UN04966	Rsa1.0_04735.1	1017	16180	0	482	513	93 +	495	999	10738	11242
UN04967	Rsa1.0_00015.1	1182	561803	0	595	606	98 -	34	638	478288	478892
UN04968	Rsa1.0_00626.1	1328	71582	0	412	417	98 +	914	1328	32116	32532
UN04969	Rsa1.0_01543.1	670	43645	0	652	670	97 +	3	669	5907	6576
UN04970	Rsa1.0_00745.1	424	66067	2.00E-49	235	272	86 +	97	359	51155	51410
UN04971	Rsa1.0_01811.1	1258	38977	1.00E-145	866	1050	82 -	213	1254	28552	29592
UN04972	Rsa1.0_00045.1	748	328694	0	359	366	98 -	383	748	133097	133462
UN04973	Rsa1.0_03502.1	1088	22446	0	384	391	98 -	696	1086	4184	4574
UN04974	Rsa1.0_00907.1	1008	60062	0	919	953	96 +	55	1007	48727	49679
UN04975	Rsa1.0_02550.1	1116	291051	1.00E-151	281	283	99 +	1	282	19916	20198
UN04976	Rsa1.0_04142.1	1460	18861	0	512	541	94 -	401	941	1699	2239
UN04977	Rsa1.0_03972.1	781	19787	0	770	782	98 -	2	781	33	812
UN04978	Rsa1.0_00058.1	1591	159921	0	454	472	96 +	1121	1591	119077	119545
UN04979	Rsa1.0_01633.1	611	41868	0	395	411	96 -	1	411	3039	3448
UN04980	Rsa1.0_00332.1	671	94575	0	651	671	97 -	3	671	38899	39561
UN04981	Rsa1.0_01913.1	594	37363	0	476	481	98 -	1	480	4208	4688
UN04982	Rsa1.0_00299.1	2246	97770	0	1786	1829	97 +	432	2245	42542	44370
UN04983	Rsa1.0_08114.1	1328	7883	0	476	502	94 +	534	1035	6483	6984
UN04984	Rsa1.0_03846.1	651	20481	0	644	644	100 +	3	646	19667	20310
UN04985	Rsa1.0_00131.1	1161	432233	0	359	361	99 +	4	364	151892	152252
UN04986	Rsa1.0_16514.1	828	2127	0	453	469	96 -	373	828	1245	1713
UN04987	Rsa1.0_47414.1	699	477	0	472	477	98 -	207	683	1	477
UN04988	Rsa1.0_13708.1	808	4447	1.00E-131	271	281	96 -	528	808	3599	3877
UN04989	Rsa1.0_00417.1	656	395068	0	484	496	97 -	4	499	239633	240126
UN04990	Rsa1.0_02207.1	1504	33914	0	952	954	99 -	79	1032	29585	30538

UN04991	Rsa1.0.01543.1	1024	43645	0	984	1025	96 -	2	1022	24614	25625
UN04992	Rsa1.0.00836.1	795	185968	0	707	710	99 +	3	712	7908	8617
UN04993	Rsa1.0.00033.1	805	515811	0	780	813	95 +	2	804	355685	356491
UN04994	Rsa1.0.00079.1	1276	606987	0	805	836	96 +	2	837	450551	451377
UN04995	Rsa1.0.02300.1	775	32847	1.00E-174	315	317	99 -	459	775	15424	15740
UN04996	Rsa1.0.04121.1	738	18951	0	475	499	95 -	5	503	13882	14379
UN04997	Rsa1.0.00314.1	793	96472	0	495	513	96 +	282	793	63022	63534
UN04998	Rsa1.0.00306.1	707	146760	0	399	413	96 +	295	707	87667	88079
UN04999	Rsa1.0.16246.1	489	2228	0	454	481	94 -	8	488	1133	1611
UN05000	Rsa1.0.01593.1	1064	150996	0	509	523	97 +	1	515	126016	126538
UN05001	Rsa1.0.00410.1	815	86957	1.00E-169	357	372	95 -	1	362	21084	21455
UN05002	Rsa1.0.03842.1	865	20503	0	474	495	95 -	1	493	17620	18107
UN05003	Rsa1.0.01116.1	870	142088	0	416	419	99 +	450	868	102212	102630
UN05004	Rsa1.0.06035.1	300	11874	1.00E-104	191	191	100 -	109	299	8517	8707
UN05005	Rsa1.0.02343.1	920	32374	0	903	934	96 +	3	920	24183	25116
UN05006	Rsa1.0.07345.1	791	9526	0	423	425	99 +	1	424	6237	6661
UN05007	Rsa1.0.00210.1	767	108424	0	480	484	99 -	283	766	55835	56318
UN05008	Rsa1.0.00118.1	951	130637	0	901	964	93 +	3	951	39945	40908
UN05009	Rsa1.0.00581.1	927	163575	0	404	404	100 -	192	595	142441	142844
UN05010	Rsa1.0.06546.1	995	10801	1.00E-107	237	250	94 +	498	747	4874	5123
UN05011	Rsa1.0.00069.1	848	403561	0	837	848	98 -	3	847	29695	30541
UN05012	Rsa1.0.00083.1	1107	442773	2.00E-89	177	180	98 -	577	756	138429	138608
UN05013	Rsa1.0.00116.1	775	365886	7.00E-79	181	190	95 +	3	191	314582	314771
UN05014	Rsa1.0.03568.1	912	22048	0	679	700	97 +	214	912	18563	19251
UN05015	Rsa1.0.04153.1	477	18807	1.00E-150	269	269	100 +	209	477	16149	16417
UN05016	Rsa1.0.01834.1	709	38550	0	588	598	98 +	112	709	24064	24654
UN05017	Rsa1.0.03501.1	969	22458	0	841	847	99 +	122	968	21034	21880
UN05018	Rsa1.0.00708.1	864	67366	0	358	358	100 +	1	358	60723	61080
UN05019	Rsa1.0.13204.1	997	4970	0	697	699	99 -	299	997	1453	2151
UN05020	Rsa1.0.00305.1	1204	97308	0	718	745	96 -	465	1204	92432	93174
UN05021	Rsa1.0.01176.1	848	51638	1.00E-111	210	212	99 -	89	300	48438	48649
UN05022	Rsa1.0.00271.1	1357	101125	0	778	795	97 +	2	794	13400	14193
UN05023	Rsa1.0.00909.1	637	59976	0	545	601	90 +	50	637	55626	56224
UN05024	Rsa1.0.02099.1	853	35030	0	366	368	99 -	3	370	18345	18712
UN05025	Rsa1.0.00171.1	607	115622	1.00E-143	301	314	95 +	3	316	50108	50420
UN05026	Rsa1.0.00085.1	745	142226	0	488	515	94 -	11	517	15550	16061
UN05027	Rsa1.0.00013.1	818	292129	0	614	632	97 +	189	818	177634	178263
UN05028	Rsa1.0.02248.1	1131	33414	1.00E-169	301	301	100 -	3	303	9846	10146
UN05029	Rsa1.0.04399.1	1041	17543	1.00E-165	391	418	93 +	623	1036	9928	10344

UN05030	Rsa1.0.00071.1	1149	345714	1.00E-53	238	277	85 -	2	274	137828	138101
UN05031	Rsa1.0.00247.1	1510	103408	0	714	826	86 -	716	1486	19877	20689
UN05032	Rsa1.0.01206.1	2019	50772	0	798	830	96 +	1183	2009	25627	26453
UN05033	Rsa1.0.00131.1	1373	432233	0	521	530	98 +	3	531	70980	71509
UN05034	Rsa1.0.00023.1	1471	194764	0	474	488	97 +	518	996	117583	118070
UN05035	Rsa1.0.00244.1	1629	103590	0	570	573	99 -	1058	1627	83585	84157
UN05036	Rsa1.0.00339.1	1019	222974	0	540	547	98 +	467	1013	66593	67135
UN05037	Rsa1.0.00649.1	1720	70263	0	1692	1720	98 +	1	1719	13699	15416
UN05038	Rsa1.0.07588.1	776	9070	1.00E-111	205	205	100 +	7	211	3496	3700
UN05039	Rsa1.0.01034.1	1420	56046	0	1165	1202	96 -	220	1420	20989	22188
UN05040	Rsa1.0.01075.1	1124	156953	1.00E-143	258	258	100 +	700	957	144150	144407
UN05041	Rsa1.0.18589.1	1036	1570	0	914	1005	90 +	50	1036	1	999
UN05042	Rsa1.0.03132.1	780	25142	0	399	416	95 -	57	472	22052	22467
UN05043	Rsa1.0.00568.1	1124	75219	0	544	547	99 +	564	1110	42305	42851
UN05044	Rsa1.0.23954.1	1342	1015	0	542	548	98 +	129	676	1	548
UN05045	Rsa1.0.32404.1	1495	703	0	596	598	99 -	581	1177	81	677
UN05046	Rsa1.0.00556.1	818	207212	0	508	528	96 +	212	737	51917	52444
UN05047	Rsa1.0.00451.1	1358	322533	1.00E-118	219	220	99 -	269	488	284872	285091
UN05048	Rsa1.0.16475.1	804	2143	1.00E-110	221	226	97 +	519	743	1084	1309
UN05049	Rsa1.0.00448.1	1362	84048	1.00E-165	298	299	99 -	1064	1362	62168	62466
UN05050	Rsa1.0.02192.1	1273	171291	0	916	935	97 -	2	933	152494	153423
UN05051	Rsa1.0.00112.1	602	132199	1.00E-124	254	263	96 +	224	486	71227	71486
UN05052	Rsa1.0.00411.1	857	86944	0	592	610	97 +	1	609	64634	65237
UN05053	Rsa1.0.02283.1	1019	33024	0	399	401	99 -	292	692	30355	30755
UN05054	Rsa1.0.01017.1	1168	56714	0	455	459	99 -	237	692	33346	33804
UN05055	Rsa1.0.00382.1	987	251946	0	950	989	96 -	1	987	108610	109598
UN05056	Rsa1.0.05047.1	1264	15032	0	653	653	100 -	5	657	11264	11916
UN05057	Rsa1.0.00863.1	1046	254535	0	1008	1042	96 +	5	1046	209268	210288
UN05058	Rsa1.0.02881.1	1236	27041	0	861	873	98 +	364	1235	20939	21810
UN05059	Rsa1.0.03671.1	1078	21459	1.00E-117	295	316	93 +	724	1026	9842	10157
UN05060	Rsa1.0.02790.1	872	27844	0	866	872	99 +	1	872	11309	12180
UN05061	Rsa1.0.01452.1	386	45459	0	364	371	98 -	3	373	44828	45198
UN05062	Rsa1.0.05733.1	739	12785	1.00E-166	322	328	98 +	412	738	4105	4430
UN05063	Rsa1.0.00173.1	1018	288743	0	418	419	99 +	3	421	109178	109596
UN05064	Rsa1.0.02602.1	904	29653	0	763	802	95 -	1	801	28254	29055
UN05065	Rsa1.0.00269.1	1108	341668	1.00E-47	101	102	99 -	29	130	42739	42840
UN05066	Rsa1.0.00410.1	1160	86957	1.00E-157	287	289	99 -	872	1160	16810	17098
UN05067	Rsa1.0.02645.1	955	29158	0	882	903	97 -	51	949	17506	18408
UN05068	Rsa1.0.05969.1	791	12072	1.00E-114	218	221	98 +	3	223	4249	4469

UN05069	Rsa1.0.00527.1	814	77733	1.00E-100	271	298	90 -	274	565	58084	58381
UN05070	Rsa1.0.00097.1	704	138858	0	369	380	97 -	325	704	16249	16628
UN05071	Rsa1.0.00706.1	994	291570	0	441	461	95 -	264	721	14249	14709
UN05072	Rsa1.0.00007.1	893	239325	1.00E-113	226	231	97 -	628	857	65927	66157
UN05073	Rsa1.0.01571.1	1091	43000	1.00E-158	284	284	100 +	401	684	12885	13168
UN05074	Rsa1.0.00064.1	1249	240927	1.00E-148	273	275	99 -	598	872	125727	126001
UN05075	Rsa1.0.00139.1	1001	357786	0	353	353	100 -	649	1001	284190	284542
UN05076	Rsa1.0.02550.1	758	291051	1.00E-178	320	321	99 +	100	420	4853	5173
UN05077	Rsa1.0.01930.1	1072	37189	0	346	350	98 +	1	350	18743	19092
UN05078	Rsa1.0.00285.1	1989	149638	0	573	578	99 +	799	1375	141606	142183
UN05079	Rsa1.0.23508.1	1032	1043	0	519	530	97 +	1	530	3	525
UN05080	Rsa1.0.13891.1	423	4144	1.00E-141	384	423	90 -	6	423	765	1175
UN05081	Rsa1.0.00137.1	1081	122457	0	724	754	96 +	162	915	90926	91667
UN05082	Rsa1.0.00707.1	878	190112	1.00E-142	269	273	98 -	172	444	188378	188650
UN05083	Rsa1.0.00092.1	757	659932	0	458	468	97 +	297	757	503777	504244
UN05084	Rsa1.0.00146.1	704	149343	1.00E-131	243	245	99 +	460	704	82075	82319
UN05085	Rsa1.0.14850.1	1348	3014	0	549	555	98 +	511	1065	542	1094
UN05086	Rsa1.0.01785.1	837	39368	0	420	431	97 +	4	432	24586	25016
UN05087	Rsa1.0.00105.1	810	134138	1.00E-167	386	413	93 +	403	810	91785	92184
UN05088	Rsa1.0.16170.1	407	2258	1.00E-102	200	204	98 -	204	407	1771	1974
UN05089	Rsa1.0.01612.1	1124	42255	0	1113	1124	99 -	3	1124	34901	36023
UN05090	Rsa1.0.00441.1	893	84607	9.00E-88	177	181	97 +	65	245	67739	67919
UN05091	Rsa1.0.00802.1	1259	63846	0	858	862	99 -	398	1259	49603	50463
UN05092	Rsa1.0.00732.1	1302	66631	0	396	408	97 +	896	1302	59691	60098
UN05093	Rsa1.0.08902.1	1157	6805	0	1096	1137	96 -	5	1129	4688	5824
UN05094	Rsa1.0.01365.1	1358	47142	0	730	741	98 -	128	865	6938	7678
UN05095	Rsa1.0.06346.1	1209	11203	0	1169	1189	98 -	23	1209	2204	3392
UN05096	#	#	#	#	#	#	#	#	#	#	#
UN05097	Rsa1.0.00065.1	729	454616	1.00E-144	290	300	96 -	111	410	231797	232096
UN05098	Rsa1.0.01384.1	1490	46803	0	445	456	97 +	1038	1490	20756	21208
UN05099	Rsa1.0.00381.1	965	89718	1.00E-102	199	202	98 +	363	564	16185	16386
UN05100	Rsa1.0.00107.1	1197	431659	0	658	669	98 -	4	672	257715	258382
UN05101	Rsa1.0.00037.1	1691	307838	0	422	429	98 +	1264	1690	46810	47238
UN05102	Rsa1.0.00502.1	548	204180	0	473	482	98 -	68	548	63892	64372
UN05103	Rsa1.0.00351.1	524	413096	1.00E-153	347	369	94 -	3	363	234781	235143
UN05104	Rsa1.0.03380.1	870	23320	1.00E-142	269	273	98 +	458	730	6687	6959
UN05105	Rsa1.0.08078.1	839	7944	1.00E-125	316	344	91 +	500	839	2693	3025
UN05106	Rsa1.0.01059.1	1165	55410	1.00E-176	348	359	96 -	104	462	14840	15195
UN05107	Rsa1.0.03943.1	1086	19931	0	413	429	96 -	1	425	5337	5765

UN05108	Rsa1.0.00352.1	1158	92266	0	724	749	96 -	24	772	65700	66445
UN05109	Rsa1.0.00059.1	1128	159650	0	1117	1127	99 -	3	1128	1405	2531
UN05110	Rsa1.0.03327.1	647	23707	0	331	331	100 +	3	333	16577	16907
UN05111	Rsa1.0.03985.1	982	19704	0	976	981	99 +	2	982	3902	4880
UN05112	Rsa1.0.01619.1	1123	42117	1.00E-106	225	232	96 +	893	1122	1	232
UN05113	Rsa1.0.00539.1	1406	76926	1.00E-151	275	276	99 -	1131	1406	32802	33077
UN05114	Rsa1.0.01734.1	1592	40183	0	1582	1589	99 +	6	1592	17248	18836
UN05115	Rsa1.0.00683.1	884	68638	0	878	884	99 -	1	884	66525	67408
UN05116	Rsa1.0.00645.1	519	189716	0	483	499	96 +	21	518	31549	32047
UN05117	Rsa1.0.03209.1	925	24592	0	380	395	96 -	534	924	19393	19778
UN05118	Rsa1.0.03674.1	827	21442	0	822	828	99 -	2	826	5200	6026
UN05119	Rsa1.0.00522.1	1166	78103	0	1132	1181	95 +	1	1164	38671	39840
UN05120	Rsa1.0.02678.1	1215	135053	1.00E-161	298	301	99 +	908	1208	112508	112808
UN05121	Rsa1.0.00018.1	1055	410899	1.00E-104	263	285	92 +	778	1055	262610	262890
UN05122	Rsa1.0.03413.1	1005	23137	0	499	544	91 +	497	1005	8284	8826
UN05123	Rsa1.0.00725.1	949	66757	0	944	947	99 +	3	949	45579	46524
UN05124	Rsa1.0.04194.1	1170	132734	2.00E-36	97	103	94 -	644	746	118157	118259
UN05125	Rsa1.0.25669.1	1034	926	0	599	602	99 -	433	1034	76	677
UN05126	Rsa1.0.00030.1	1041	250988	0	984	1039	94 +	3	1041	64475	65512
UN05127	Rsa1.0.16090.1	882	2289	0	708	739	95 -	8	743	941	1678
UN05128	Rsa1.0.00306.1	680	146760	0	580	632	91 +	3	631	75343	75968
UN05129	Rsa1.0.00081.1	816	143261	0	459	463	99 -	1	461	87969	88431
UN05130	Rsa1.0.00081.1	1251	143261	0	1145	1174	97 -	78	1251	77391	78564
UN05131	Rsa1.0.00410.1	889	86957	0	388	402	96 +	3	404	19648	20045
UN05132	Rsa1.0.05774.1	913	12667	0	714	746	95 -	2	747	3452	4190
UN05133	Rsa1.0.00651.1	1039	247766	0	355	355	100 +	1	355	90170	90524
UN05134	Rsa1.0.00745.1	1486	66067	0	492	520	94 +	971	1485	52944	53451
UN05135	Rsa1.0.03623.1	807	21714	0	483	504	95 -	303	805	3310	3803
UN05136	Rsa1.0.00881.1	917	61260	0	631	636	99 +	246	881	18614	19248
UN05137	Rsa1.0.01608.1	978	170540	0	361	366	98 -	347	712	35343	35708
UN05138	Rsa1.0.03792.1	1356	20835	1.00E-126	263	274	95 -	447	720	10857	11130
UN05139	Rsa1.0.00126.1	485	127534	1.00E-118	295	319	92 -	176	485	113999	114314
UN05140	Rsa1.0.02802.1	1463	27736	0	703	714	98 -	337	1050	13800	14513
UN05141	Rsa1.0.00916.1	2213	59789	0	1292	1333	96 +	469	1795	31531	32860
UN05142	Rsa1.0.00173.1	998	288743	1.00E-86	197	207	95 -	301	507	284813	285018
UN05143	Rsa1.0.00016.1	814	831256	0	414	419	98 +	395	813	681896	682314
UN05144	Rsa1.0.13514.1	916	4757	0	563	587	95 +	330	916	836	1419
UN05145	Rsa1.0.04358.1	1444	17759	0	1417	1455	97 -	3	1444	10686	12133
UN05146	Rsa1.0.04273.1	915	18144	1.00E-106	199	200	99 +	399	598	11608	11807

UN05147	Rsa1.0.01102.1	1400	53987	0	1382	1396	98 +	6	1400	10087	11482
UN05148	Rsa1.0.00071.1	865	345714	0	375	382	98 +	143	524	311950	312331
UN05149	Rsa1.0.07588.1	997	9070	0	832	870	95 -	23	880	5044	5913
UN05150	Rsa1.0.00045.1	829	328694	1.00E-112	259	273	94 +	1	272	245137	245406
UN05151	Rsa1.0.09157.1	644	6602	1.00E-121	238	244	97 +	5	248	5288	5531
UN05152	Rsa1.0.01061.1	891	55349	1.00E-167	406	432	93 +	1	423	21819	22249
UN05153	Rsa1.0.02673.1	1358	28877	1.00E-112	254	269	94 +	9	269	25599	25867
UN05154	Rsa1.0.06194.1	739	11516	0	663	688	96 +	67	736	5194	5878
UN05155	Rsa1.0.07636.1	868	8971	0	526	535	98 +	3	537	7136	7668
UN05156	Rsa1.0.00867.1	720	61635	0	362	370	97 -	5	374	31869	32235
UN05157	Rsa1.0.06407.1	1076	11071	0	858	884	97 +	190	1073	9341	10224
UN05158	Rsa1.0.05849.1	1463	12425	0	433	434	99 -	447	880	8382	8815
UN05159	Rsa1.0.01620.1	1121	42091	1.00E-160	295	298	98 -	1	298	22880	23177
UN05160	Rsa1.0.00240.1	931	104175	1.00E-118	265	278	95 +	24	296	53559	53836
UN05161	Rsa1.0.02987.1	736	26196	1.00E-162	330	341	96 -	396	732	25859	26196
UN05162	Rsa1.0.08293.1	749	7593	0	363	364	99 +	386	749	2270	2633
UN05163	Rsa1.0.00017.1	812	752458	0	760	784	96 -	1	778	555179	555948
UN05164	Rsa1.0.08617.1	774	7124	0	756	773	97 +	1	773	291	1063
UN05165	Rsa1.0.08707.1	1319	7018	0	734	749	97 +	501	1249	1	749
UN05166	Rsa1.0.00284.1	797	323267	1.00E-151	287	291	98 +	1	291	134882	135170
UN05167	Rsa1.0.00056.1	723	332604	0	430	439	97 +	2	440	19450	19888
UN05168	Rsa1.0.68740.1	985	334	1.00E-164	311	317	98 +	1	317	18	334
UN05169	Rsa1.0.02855.1	961	27271	0	455	492	92 -	2	480	10770	11254
UN05170	Rsa1.0.04611.1	1139	16647	0	471	482	97 -	1	477	2562	3043
UN05171	Rsa1.0.14400.1	1003	3430	0	594	637	93 -	15	645	1	634
UN05172	Rsa1.0.00810.1	934	63289	0	922	930	99 +	2	931	60504	61430
UN05173	Rsa1.0.00247.1	219	103408	6.00E-33	109	120	90 +	100	219	66830	66948
UN05174	Rsa1.0.00369.1	1380	266462	0	1351	1405	96 -	3	1376	263081	264481
UN05175	Rsa1.0.02700.1	1067	28584	0	383	384	99 -	1	383	15011	15394
UN05176	Rsa1.0.00416.1	1116	86772	0	394	402	98 -	519	916	43719	44120
UN05177	Rsa1.0.00253.1	1045	231292	1.00E-144	325	343	94 +	24	360	126609	126949
UN05178	Rsa1.0.01306.1	1860	48720	0	572	594	96 -	2	590	33628	34220
UN05179	Rsa1.0.61642.1	579	372	1.00E-169	313	317	98 -	137	453	56	372
UN05180	Rsa1.0.00137.1	1213	122457	0	1003	1009	99 -	205	1213	90659	91667
UN05181	Rsa1.0.03284.1	652	24069	0	641	649	98 -	7	652	7230	7878
UN05182	Rsa1.0.00001.1	748	363028	0	730	749	97 -	5	746	33667	34414
UN05183	Rsa1.0.02276.1	745	33098	0	733	752	97 +	3	745	22945	23696
UN05184	Rsa1.0.00012.1	843	222148	0	710	710	100 +	2	711	85333	86042
UN05185	Rsa1.0.00119.1	1209	467509	0	422	426	99 +	1	426	46341	46766

UN05186	Rsa1.0.00344.1	1317	191774	0	758	769	98 +	548	1315	120085	120853
UN05187	Rsa1.0.06042.1	740	11860	0	737	739	99 -	2	740	661	1399
UN05188	Rsa1.0.03133.1	815	25135	8.00E-91	179	182	98 +	357	538	9682	9863
UN05189	Rsa1.0.04028.1	395	19493	7.00E-99	198	203	97 +	1	203	2386	2588
UN05190	Rsa1.0.00070.1	694	150321	0	692	694	99 +	2	694	47124	47817
UN05191	Rsa1.0.05979.1	1499	12051	0	503	503	100 -	1	503	10020	10522
UN05192	Rsa1.0.15269.1	779	2719	1.00E-155	317	330	96 -	6	325	296	625
UN05193	Rsa1.0.00157.1	1405	245832	1.00E-176	320	321	99 -	1086	1405	188327	188647
UN05194	Rsa1.0.00016.1	833	831256	3.00E-87	220	235	93 +	92	317	809775	810009
UN05195	Rsa1.0.00955.1	683	58358	0	484	492	98 -	1	492	42045	42534
UN05196	Rsa1.0.00214.1	889	107508	3.00E-87	342	394	86 +	5	373	28862	29247
UN05197	Rsa1.0.04372.1	1397	17692	0	854	856	99 -	3	858	9661	10516
UN05198	Rsa1.0.00421.1	725	86365	0	701	726	96 +	1	725	11839	12562
UN05199	Rsa1.0.00044.1	784	271658	1.00E-118	219	220	99 +	422	641	57062	57281
UN05200	Rsa1.0.01438.1	598	45882	0	402	408	98 -	189	596	32813	33220
UN05201	Rsa1.0.00870.1	1141	61606	0	851	860	98 +	280	1139	9589	10448
UN05202	Rsa1.0.00516.1	857	78417	1.00E-105	195	195	100 +	588	782	31115	31309
UN05203	Rsa1.0.01675.1	898	41155	0	357	364	98 -	535	898	30271	30634
UN05204	Rsa1.0.00069.1	1548	403561	0	1497	1540	97 +	2	1536	247195	248731
UN05205	Rsa1.0.01602.1	650	42503	0	565	585	96 -	50	633	39978	40562
UN05206	Rsa1.0.00065.1	1197	454616	0	361	361	100 -	837	1197	190404	190764
UN05207	Rsa1.0.00253.1	1263	231292	0	838	849	98 +	36	883	193624	194472
UN05208	Rsa1.0.00076.1	958	146021	1.00E-180	329	332	99 +	625	956	35148	35479
UN05209	Rsa1.0.00342.1	1701	93695	0	817	827	98 +	876	1701	35879	36705
UN05210	Rsa1.0.00347.1	1220	93048	0	440	442	99 +	3	444	90999	91440
UN05211	Rsa1.0.00237.1	691	235974	0	430	438	98 -	255	691	188285	188722
UN05212	Rsa1.0.00387.1	711	495407	1.00E-111	250	265	94 -	351	615	342037	342297
UN05213	Rsa1.0.10607.1	1197	5786	0	382	385	99 +	813	1197	2758	3142
UN05214	Rsa1.0.06774.1	921	10381	0	506	525	96 +	393	917	7069	7593
UN05215	Rsa1.0.00001.1	1292	363028	0	355	358	99 +	937	1292	329335	329691
UN05216	Rsa1.0.04848.1	756	15727	0	679	692	98 +	3	694	5785	6475
UN05217	Rsa1.0.00100.1	1070	249232	0	719	738	97 -	2	739	195789	196523
UN05218	Rsa1.0.00019.1	743	301669	7.00E-85	208	222	93 -	2	219	107363	107584
UN05219	Rsa1.0.00649.1	1509	70263	1.00E-129	253	259	97 +	209	467	24617	24875
UN05220	Rsa1.0.00552.1	1290	206757	0	594	623	95 -	651	1263	67991	68611
UN05221	Rsa1.0.03390.1	738	23270	0	459	473	97 -	265	734	6595	7066
UN05222	Rsa1.0.02807.1	946	27680	1.00E-136	255	258	98 +	389	646	10903	11160
UN05223	Rsa1.0.01104.1	945	285480	1.00E-148	289	294	98 +	651	942	9410	9703
UN05224	Rsa1.0.01296.1	703	49035	0	426	438	97 +	236	671	12562	12999

UN05225	Rsa1.0.00224.1	1289	327530	1.00E-141	270	275	98 +	340	614	208584	208858
UN05226	Rsa1.0.00529.1	416	77487	0	387	396	97 -	19	414	10180	10575
UN05227	Rsa1.0.01407.1	1655	46425	0	900	906	99 -	2	907	19638	20543
UN05228	Rsa1.0.01971.1	1229	36641	0	1203	1230	97 -	3	1229	23421	24649
UN05229	Rsa1.0.00383.1	1443	398431	1.00E-124	242	247	97 +	727	973	2510	2756
UN05230	Rsa1.0.01537.1	1675	187285	1.00E-160	294	295	99 +	234	527	19498	19792
UN05231	Rsa1.0.00615.1	820	72235	1.00E-175	320	323	99 -	351	673	55080	55402
UN05232	Rsa1.0.01351.1	1154	47498	0	1074	1105	97 -	2	1106	2865	3969
UN05233	Rsa1.0.06797.1	2285	10342	0	735	774	94 +	598	1370	4651	5406
UN05234	Rsa1.0.00585.1	950	74164	0	906	933	97 -	1	930	60726	61655
UN05235	Rsa1.0.05267.1	827	14319	0	775	798	97 +	1	798	6606	7402
UN05236	Rsa1.0.03491.1	719	22541	4.00E-86	357	422	84 -	52	473	9114	9535
UN05237	Rsa1.0.03544.1	1071	22182	0	1019	1074	94 +	2	1070	19603	20669
UN05238	Rsa1.0.02909.1	661	26856	0	641	652	98 +	7	658	10343	10994
UN05239	Rsa1.0.00313.1	1101	96745	0	569	573	99 -	529	1101	59603	60174
UN05240	Rsa1.0.07236.1	851	9680	0	457	458	99 +	388	845	2988	3445
UN05241	Rsa1.0.01397.1	883	183276	1.00E-147	264	264	100 -	618	881	164309	164572
UN05242	Rsa1.0.16218.1	955	2240	1.00E-166	297	297	100 -	632	928	78	374
UN05243	Rsa1.0.14974.1	689	2919	0	404	404	100 +	3	406	1485	1888
UN05244	Rsa1.0.00184.1	834	218748	0	537	537	100 -	298	834	2634	3170
UN05245	Rsa1.0.00090.1	1348	273859	0	560	604	92 +	737	1334	138997	139590
UN05246	Rsa1.0.00973.1	1278	57913	0	1140	1167	97 +	113	1278	40860	42025
UN05247	Rsa1.0.00168.1	851	115870	0	394	400	98 -	104	503	111590	111989
UN05248	Rsa1.0.00047.1	1268	168582	0	434	434	100 +	835	1268	4911	5344
UN05249	Rsa1.0.04981.1	753	15250	0	386	399	96 -	3	400	7395	7793
UN05250	Rsa1.0.00149.1	486	305196	1.00E-105	208	212	98 +	278	486	8505	8716
UN05251	Rsa1.0.00802.1	770	63846	0	372	383	97 +	3	382	56821	57203
UN05252	Rsa1.0.02231.1	1317	33661	0	1185	1269	93 -	3	1264	18252	19507
UN05253	Rsa1.0.00141.1	941	121494	2.00E-95	270	304	88 -	647	941	29536	29823
UN05254	Rsa1.0.00390.1	779	88681	1.00E-121	227	229	99 +	252	480	35102	35330
UN05255	Rsa1.0.00128.1	2312	228675	0	1363	1371	99 -	1	1371	159174	160544
UN05256	Rsa1.0.01779.1	803	39448	0	601	693	86 -	98	790	9732	10424
UN05257	Rsa1.0.17997.1	1149	1693	0	886	890	99 +	2	889	804	1693
UN05258	Rsa1.0.09698.1	1077	6203	0	383	399	95 -	435	833	1296	1694
UN05259	Rsa1.0.00589.1	1391	209965	1.00E-139	317	335	94 -	1033	1365	162792	163124
UN05260	Rsa1.0.00006.1	720	396176	0	441	465	94 -	255	719	307636	308096
UN05261	Rsa1.0.05093.1	1262	14876	1.00E-149	298	307	97 -	958	1262	11047	11353
UN05262	Rsa1.0.00792.1	871	64163	9.00E-57	167	185	90 -	314	498	4551	4735
UN05263	Rsa1.0.01043.1	895	55893	0	385	385	100 +	511	895	48633	49017

UN05264	Rsa1.0_23922.1	1152	1017	0	769	770	99 -	2	771	1	770
UN05265	Rsa1.0_01750.1	1433	39816	0	611	627	97 -	1	626	24343	24969
UN05266	Rsa1.0_01586.1	838	42804	1.00E-171	357	373	95 -	16	388	29493	29864
UN05267	Rsa1.0_00821.1	675	62891	0	561	563	99 -	114	675	5065	5627
UN05268	Rsa1.0_01209.1	795	50668	0	772	794	97 -	1	794	24794	25570
UN05269	Rsa1.0_00018.1	694	410899	0	373	385	96 +	311	694	193614	193997
UN05270	Rsa1.0_02991.1	817	26178	0	796	847	93 +	3	816	8733	9573
UN05271	Rsa1.0_00817.1	1425	62961	1.00E-148	284	290	97 -	446	735	39075	39364
UN05272	Rsa1.0_01888.1	1535	37563	1.00E-151	283	287	98 -	236	522	17199	17485
UN05273	Rsa1.0_00675.1	910	145590	0	469	480	97 -	431	910	67441	67920
UN05274	Rsa1.0_02165.1	1041	34423	0	545	604	90 -	375	962	3037	3636
UN05275	Rsa1.0_00239.1	939	104332	0	462	482	95 -	458	939	34699	35180
UN05276	Rsa1.0_02879.1	875	27047	1.00E-114	219	221	99 -	3	222	26493	26713
UN05277	Rsa1.0_00033.1	1060	515811	0	914	937	97 -	125	1060	485085	486009
UN05278	Rsa1.0_04794.1	802	15960	0	383	383	100 +	80	462	6544	6926
UN05279	Rsa1.0_00985.1	657	161950	1.00E-98	220	231	95 +	427	657	39464	39693
UN05280	Rsa1.0_01141.1	969	52530	1.00E-166	318	324	98 -	643	965	39275	39598
UN05281	Rsa1.0_00001.1	821	363028	1.00E-108	200	200	100 +	203	402	318208	318407
UN05282	Rsa1.0_01467.1	994	45161	0	959	994	96 -	1	991	23856	24849
UN05283	Rsa1.0_02873.1	1248	27077	7.00E-43	103	106	97 +	1140	1244	15909	16014
UN05284	Rsa1.0_01382.1	1387	46877	0	513	520	98 -	867	1386	24876	25394
UN05285	Rsa1.0_00107.1	888	431659	0	558	584	95 +	300	876	337025	337604
UN05286	Rsa1.0_22717.1	1016	1101	1.00E-164	299	301	99 +	716	1016	773	1073
UN05287	Rsa1.0_13819.1	971	4264	0	424	434	97 +	2	435	1006	1439
UN05288	Rsa1.0_18379.1	866	1611	0	773	777	99 -	90	866	271	1047
UN05289	Rsa1.0_00146.1	808	149343	0	794	808	98 +	1	808	67589	68396
UN05290	Rsa1.0_00522.1	980	78103	0	949	1000	94 -	3	980	38739	39734
UN05291	Rsa1.0_00284.1	1038	323267	0	463	507	91 +	527	1033	275018	275498
UN05292	Rsa1.0_00067.1	1434	415055	0	516	541	95 -	302	839	252590	253130
UN05293	Rsa1.0_00777.1	751	191865	1.00E-125	256	264	96 +	486	749	182543	182805
UN05294	Rsa1.0_15050.1	1547	2868	1.00E-159	345	359	96 -	1195	1547	454	811
UN05295	Rsa1.0_03256.1	898	24305	1.00E-147	306	321	95 -	3	315	23203	23523
UN05296	Rsa1.0_00010.1	974	294827	1.00E-117	228	231	98 +	744	974	243062	243291
UN05297	Rsa1.0_03028.1	978	25872	0	696	715	97 -	3	713	18683	19391
UN05298	Rsa1.0_00154.1	1796	189461	0	517	546	94 +	5	536	127025	127570
UN05299	Rsa1.0_00544.1	693	76787	1.00E-109	204	205	99 -	5	209	60369	60573
UN05300	Rsa1.0_03490.1	1055	22545	0	483	488	98 -	1	488	20433	20919
UN05301	Rsa1.0_00133.1	1409	123768	0	698	720	96 -	666	1385	13416	14134
UN05302	Rsa1.0_01516.1	1118	44196	0	530	556	95 -	3	558	36762	37315

UN05303	Rsa1.0_01827.1	1644	143321	1.00E-170	383	409	93 +	937	1342	114713	115121
UN05304	Rsa1.0_03451.1	934	22828	1.00E-156	298	304	98 -	1	304	18258	18561
UN05305	Rsa1.0_01094.1	979	167285	0	621	644	96 +	346	977	49222	49865
UN05306	Rsa1.0_00697.1	1027	67913	0	879	962	91 +	10	960	40876	41807
UN05307	Rsa1.0_01063.1	1024	55301	1.00E-153	300	306	98 -	720	1024	54642	54946
UN05308	Rsa1.0_01626.1	1040	41989	1.00E-143	264	266	99 +	775	1040	2329	2594
UN05309	Rsa1.0_00072.1	1355	148743	1.00E-179	353	362	97 +	995	1355	72748	73107
UN05310	Rsa1.0_00301.1	1203	365315	0	1166	1211	96 +	2	1203	354111	355307
UN05311	Rsa1.0_14363.1	2202	3477	0	764	772	98 -	1432	2202	608	1375
UN05312	Rsa1.0_00125.1	876	253043	0	459	464	98 -	268	731	4714	5177
UN05313	Rsa1.0_00526.1	766	169279	0	761	762	99 -	3	764	126150	126911
UN05314	Rsa1.0_02397.1	637	31778	4.00E-21	68	73	93 -	511	583	19073	19145
UN05315	Rsa1.0_00891.1	1323	60724	0	882	915	96 +	267	1177	46240	47142
UN05316	Rsa1.0_01634.1	858	41865	1.00E-102	204	209	97 -	396	604	39398	39606
UN05317	Rsa1.0_01593.1	849	150996	0	404	430	93 -	55	484	5028	5454
UN05318	Rsa1.0_00762.1	793	165246	1.00E-172	322	327	98 -	467	793	51055	51381
UN05319	Rsa1.0_00781.1	979	64480	1.00E-148	267	267	100 +	576	842	31184	31450
UN05320	Rsa1.0_02199.1	1220	33982	0	1158	1176	98 +	4	1175	25722	26897
UN05321	Rsa1.0_00722.1	1635	66840	0	1013	1047	96 -	259	1301	15926	16966
UN05322	Rsa1.0_00303.1	1016	97468	0	574	594	96 -	2	595	13792	14382
UN05323	Rsa1.0_56486.1	1035	405	1.00E-108	199	199	100 +	201	399	63	261
UN05324	Rsa1.0_03916.1	801	20117	0	567	582	97 -	147	728	18468	19049
UN05325	Rsa1.0_05890.1	760	12317	1.00E-111	253	272	93 -	497	753	708	976
UN05326	Rsa1.0_00097.1	1071	138858	0	559	566	98 -	502	1067	92732	93297
UN05327	Rsa1.0_00651.1	2198	247766	1.00E-169	309	311	99 -	1887	2197	92723	93033
UN05328	Rsa1.0_00022.1	834	200461	0	449	472	95 -	364	833	86036	86504
UN05329	Rsa1.0_00387.1	825	495407	1.00E-120	229	232	98 -	473	704	344428	344659
UN05330	Rsa1.0_21508.1	1059	1197	1.00E-112	212	214	99 -	846	1059	936	1149
UN05331	Rsa1.0_00307.1	1245	199003	0	341	341	100 -	905	1245	80051	80391
UN05332	Rsa1.0_26044.1	657	908	0	426	452	94 -	3	450	1	452
UN05333	Rsa1.0_07000.1	886	10049	1.00E-139	275	283	97 +	310	592	5676	5958
UN05334	Rsa1.0_00384.1	1551	89278	0	471	482	97 +	250	731	82326	82807
UN05335	Rsa1.0_00377.1	1118	90038	0	411	412	99 -	707	1118	27976	28387
UN05336	Rsa1.0_03613.1	981	21773	0	527	528	99 -	454	981	19514	20041
UN05337	Rsa1.0_05102.1	1585	14843	0	1144	1209	94 +	2	1203	4089	5277
UN05338	Rsa1.0_00073.1	1047	240924	1.00E-160	306	311	98 +	33	343	187846	188155
UN05339	Rsa1.0_00003.1	1009	340054	0	934	949	98 -	60	1008	266950	267897
UN05340	Rsa1.0_01262.1	970	178815	0	441	451	97 -	523	970	10475	10924
UN05341	Rsa1.0_01783.1	883	39383	0	483	515	93 +	380	881	24517	25025

UN05342	Rsa1.0_21881.1	877	1167	0	337	341	98 -	4	343	13	353
UN05343	Rsa1.0_05506.1	1167	13495	0	903	914	98 +	39	952	1	914
UN05344	Rsa1.0_10669.1	1006	5762	0	357	363	98 -	644	1006	58	420
UN05345	Rsa1.0_45087.1	816	500	0	492	500	98 -	12	511	1	500
UN05346	Rsa1.0_01995.1	690	36347	2.33E-156	292	302	96 +	8	309	25096	25397
UN05347	Rsa1.0_01064.1	1423	55295	1.00E-177	329	332	99 -	391	721	15482	15813
UN05348	Rsa1.0_00146.1	967	149343	0	374	375	99 -	3	376	55443	55817
UN05349	Rsa1.0_00327.1	738	94892	2.00E-66	141	145	97 -	87	231	27389	27533
UN05350	Rsa1.0_02341.1	1453	32387	1.00E-154	295	301	98 -	1153	1453	31192	31492
UN05351	Rsa1.0_07340.1	1023	9530	0	508	524	96 -	326	847	5003	5523
UN05352	Rsa1.0_01199.1	1087	163576	1.00E-173	396	422	93 +	675	1086	20827	21247
UN05353	Rsa1.0_00190.1	1083	318240	0	1022	1083	94 +	3	1083	288624	289705
UN05354	Rsa1.0_00339.1	997	222974	6.00E-83	197	209	94 +	1	209	176118	176325
UN05355	Rsa1.0_07811.1	1037	8496	1.00E-160	286	286	100 +	310	595	4751	5036
UN05356	Rsa1.0_02562.1	1061	30061	0	1039	1059	98 +	3	1061	9155	10206
UN05357	Rsa1.0_04387.1	1022	17625	0	342	346	98 +	671	1016	16703	17048
UN05358	Rsa1.0_19257.1	705	1455	0	379	380	99 -	5	384	108	487
UN05359	Rsa1.0_01417.1	1106	46252	0	406	417	97 +	690	1106	20533	20945
UN05360	Rsa1.0_03107.1	1255	25349	0	594	601	98 -	4	604	17268	17868
UN05361	Rsa1.0_02874.1	870	27070	0	696	696	100 +	175	870	16196	16891
UN05362	Rsa1.0_00111.1	935	390088	0	331	332	99 +	598	929	7100	7431
UN05363	Rsa1.0_00451.1	1430	322533	0	383	385	99 -	1046	1430	283300	283684
UN05364	Rsa1.0_00278.1	1211	231896	0	415	426	97 +	276	701	35432	35856
UN05365	Rsa1.0_03396.1	1052	23242	0	369	378	97 -	657	1034	931	1306
UN05366	Rsa1.0_00470.1	1101	81968	1.00E-117	250	261	95 -	838	1098	30120	30377
UN05367	Rsa1.0_00079.1	765	606987	0	505	514	98 +	20	533	15767	16280
UN05368	Rsa1.0_03278.1	1054	24125	1.00E-132	322	348	92 -	709	1050	1924	2271
UN05369	Rsa1.0_00233.1	1280	104918	7.00E-40	364	456	79 -	17	463	49472	49924
UN05370	Rsa1.0_02878.1	1956	27048	0	454	475	95 +	988	1451	21455	21929
UN05371	Rsa1.0_00608.1	810	172672	1.00E-101	202	207	97 +	319	525	116504	116710
UN05372	Rsa1.0_02074.1	845	35370	3.00E-87	185	188	98 -	635	819	12340	12527
UN05373	Rsa1.0_03725.1	1812	21170	0	1039	1061	97 -	1	1061	15948	17005
UN05374	Rsa1.0_04366.1	994	17731	0	668	724	92 +	105	822	11946	12661
UN05375	Rsa1.0_00169.1	982	274298	0	433	436	99 -	337	772	20667	21102
UN05376	Rsa1.0_07063.1	489	9958	0	487	489	99 +	1	489	5007	5495
UN05377	Rsa1.0_00351.1	1392	413096	0	364	367	99 +	1026	1392	148179	148544
UN05378	Rsa1.0_00010.1	1451	294827	0	416	425	97 -	930	1354	121889	122313
UN05379	Rsa1.0_08961.1	937	6750	1.00E-126	275	288	95 -	585	871	4467	4752
UN05380	Rsa1.0_00002.1	1163	601661	0	414	427	96 +	3	426	97407	97833

UN05381	Rsa1.0_02585.1	964	29865	0	494	509	97 +	1	506	25269	25776
UN05382	Rsa1.0_18581.1	811	1571	0	540	554	97 -	163	715	862	1413
UN05383	Rsa1.0_00079.1	762	606987	0	677	704	96 -	63	760	814	1512
UN05384	Rsa1.0_00116.1	972	365886	0	441	448	98 -	13	460	205570	206017
UN05385	Rsa1.0_19954.1	1224	1360	1.00E-145	277	281	98 -	1	279	541	821
UN05386	Rsa1.0_00342.1	1406	93695	1.00E-171	412	438	94 +	975	1406	57424	57856
UN05387	Rsa1.0_00632.1	732	183777	4.00E-89	210	221	95 +	514	732	97	314
UN05388	Rsa1.0_01366.1	1444	47139	0	1066	1068	99 -	371	1438	33506	34573
UN05389	Rsa1.0_00293.1	1795	339294	0	456	466	97 -	1289	1754	82364	82829
UN05390	Rsa1.0_03401.1	691	23191	6.00E-42	124	136	91 -	553	688	5987	6122
UN05391	Rsa1.0_00098.1	858	349239	0	457	458	99 -	3	460	237652	238108
UN05392	Rsa1.0_05262.1	1268	14334	0	552	580	95 +	689	1268	5964	6531
UN05393	Rsa1.0_08083.1	1108	7936	3.00E-60	196	221	88 -	3	222	7372	7575
UN05394	Rsa1.0_01888.1	1873	37563	1.00E-178	317	317	100 -	2	318	19119	19435
UN05395	Rsa1.0_03416.1	1188	23112	1.00E-172	318	322	98 +	186	507	13423	13744
UN05396	Rsa1.0_00191.1	984	316976	0	942	984	95 -	2	984	172092	173064
UN05397	Rsa1.0_00236.1	1223	104771	1.00E-138	345	373	92 +	856	1220	82285	82651
UN05398	Rsa1.0_02165.1	1025	34423	0	509	527	96 +	121	647	3110	3636
UN05399	Rsa1.0_01070.1	535	55099	1.00E-161	314	323	97 -	3	325	28010	28332
UN05400	Rsa1.0_14298.1	854	3561	4.00E-99	187	188	99 +	493	680	3278	3465
UN05401	Rsa1.0_05978.1	1322	12053	0	1223	1253	97 +	59	1311	477	1729
UN05402	Rsa1.0_01380.1	754	155003	0	582	585	99 +	1	585	8894	9478
UN05403	Rsa1.0_01717.1	830	143162	1.00E-147	273	276	98 +	398	673	15704	15979
UN05404	Rsa1.0_00187.1	1383	393093	1.00E-157	324	338	95 +	1043	1380	211557	211889
UN05405	Rsa1.0_12341.1	941	5250	1.00E-169	320	325	98 +	3	327	113	436
UN05406	Rsa1.0_00031.1	1481	179862	0	896	898	99 +	585	1481	60443	61340
UN05407	Rsa1.0_02039.1	661	35699	1.00E-125	264	274	96 -	8	279	10945	11212
UN05408	Rsa1.0_00166.1	1178	240912	0	756	785	96 +	346	1130	153565	154342
UN05409	Rsa1.0_03321.1	743	23755	0	731	733	99 +	9	741	22453	23184
UN05410	Rsa1.0_00004.1	993	253996	0	480	480	100 +	1	480	196461	196940
UN05411	Rsa1.0_00224.1	865	327530	1.00E-173	314	316	99 -	1	316	210516	210831
UN05412	Rsa1.0_00140.1	435	121541	1.00E-132	284	301	94 +	3	288	56150	56449
UN05413	Rsa1.0_38780.1	787	580	1.00E-141	254	254	100 +	534	787	1	254
UN05414	Rsa1.0_00190.1	761	318240	0	723	738	97 -	1	738	289380	290117
UN05415	Rsa1.0_01904.1	711	37450	0	613	637	96 -	86	710	1915	2548
UN05416	Rsa1.0_00301.1	760	365315	0	345	345	100 +	414	758	346680	347024
UN05417	Rsa1.0_68490.1	856	335	1.00E-177	321	323	99 +	42	364	1	323
UN05418	Rsa1.0_00541.1	736	76863	1.00E-180	323	324	99 -	169	492	34580	34903
UN05419	Rsa1.0_00995.1	1453	57243	0	626	662	94 -	2	662	21109	21751

UN05420	Rsa1.0_01739.1	1065	40068	0	989	1047	94 -	38	1065	8378	9413
UN05421	Rsa1.0_05920.1	1062	12239	0	584	586	99 +	1	586	1252	1837
UN05422	Rsa1.0_00075.1	1126	146680	1.00E-105	349	392	89 +	1	381	141869	142242
UN05423	Rsa1.0_12933.1	1216	5071	0	579	622	93 +	1	619	3333	3941
UN05424	Rsa1.0_00034.1	750	260119	0	406	416	97 +	1	416	154035	154449
UN05425	Rsa1.0_02136.1	801	34707	1.00E-102	198	201	98 -	237	437	2798	2998
UN05426	Rsa1.0_00019.1	897	301669	0	515	520	99 +	1	519	218714	219233
UN05427	Rsa1.0_00302.1	845	97521	0	362	368	98 -	1	368	85022	85388
UN05428	Rsa1.0_04773.1	1040	16037	0	657	659	99 +	1	659	10630	11288
UN05429	Rsa1.0_00275.1	403	210104	1.00E-153	313	324	96 -	3	326	178612	178931
UN05430	Rsa1.0_07813.1	961	8493	0	806	827	97 +	3	827	918	1744
UN05431	Rsa1.0_00333.1	657	94500	0	559	559	100 -	2	560	61826	62384
UN05432	Rsa1.0_00695.1	1020	68019	0	365	366	99 +	655	1020	53951	54316
UN05433	Rsa1.0_00608.1	805	172672	1.00E-165	307	311	98 -	1	311	118055	118365
UN05434	Rsa1.0_03241.1	1101	24423	0	487	489	99 -	1	487	14637	15125
UN05435	Rsa1.0_00139.1	1099	357786	1.00E-176	612	711	86 -	93	802	59566	60264
UN05436	Rsa1.0_15250.1	746	2727	0	450	450	100 -	3	452	1092	1541
UN05437	Rsa1.0_19592.1	734	1410	0	458	487	94 +	30	513	1	480
UN05438	Rsa1.0_03282.1	901	24107	0	552	568	97 -	3	566	10595	11159
UN05439	Rsa1.0_00971.1	838	57973	1.00E-12	39	39	100 -	783	821	43519	43557
UN05440	Rsa1.0_00241.1	678	104000	1.00E-127	276	290	95 +	3	290	65527	65816
UN05441	Rsa1.0_00159.1	721	431686	0	437	441	99 -	1	440	15770	16210
UN05442	Rsa1.0_01876.1	812	37800	0	677	691	97 -	16	706	34625	35314
UN05443	Rsa1.0_05262.1	769	14334	0	551	578	95 -	1	577	5964	6532
UN05444	Rsa1.0_05689.1	1457	12927	1.00E-124	226	226	100 -	1	226	9560	9785
UN05445	Rsa1.0_00201.1	511	232851	1.00E-129	327	355	92 +	3	356	17967	18311
UN05446	Rsa1.0_02020.1	1475	173211	0	1028	1045	98 +	124	1168	137400	138444
UN05447	Rsa1.0_03503.1	718	22445	0	441	458	96 +	2	458	19857	20313
UN05448	Rsa1.0_00646.1	796	70473	4.00E-71	149	153	97 +	4	156	6102	6254
UN05449	Rsa1.0_00708.1	733	67366	0	696	704	98 -	3	706	43756	44459
UN05450	Rsa1.0_01135.1	948	52799	0	762	765	99 -	186	948	24295	25059
UN05451	Rsa1.0_02020.1	1021	173211	1.00E-124	292	312	93 -	708	1019	171655	171962
UN05452	Rsa1.0_00040.1	1320	324196	0	1220	1230	99 -	3	1232	127997	129223
UN05453	Rsa1.0_02589.1	560	300828	1.00E-159	288	289	99 -	6	294	16343	16631
UN05454	Rsa1.0_01724.1	935	40292	1.00E-109	204	205	99 +	51	255	6838	7042
UN05455	Rsa1.0_01061.1	799	55349	1.00E-154	429	475	90 +	7	472	4834	5306
UN05456	Rsa1.0_02142.1	983	34633	0	351	356	98 -	1	356	16828	17183
UN05457	Rsa1.0_02746.1	890	28256	0	688	698	98 -	3	700	3134	3831
UN05458	Rsa1.0_02661.1	1288	28964	0	1283	1288	99 +	1	1288	19277	20564

UN05459	Rsa1.0.07559.1	986	9131	0	981	984	99 +	1	984	1423	2406
UN05460	Rsa1.0.03191.1	456	145762	0	346	348	99 -	1	348	21630	21976
UN05461	Rsa1.0.02811.1	921	27669	1.00E-120	269	282	95 +	1	281	1244	1521
UN05462	Rsa1.0.26967.1	641	871	1.00E-156	357	381	93 -	2	375	308	680
UN05463	Rsa1.0.03927.1	1296	19997	0	549	549	100 +	1	549	16154	16702
UN05464	Rsa1.0.03624.1	815	21706	0	474	486	97 +	4	486	15700	16181
UN05465	Rsa1.0.00269.1	1126	341668	0	571	575	99 -	30	603	18901	19475
UN05466	Rsa1.0.00122.1	1423	265937	1.00E-114	309	337	91 +	681	1015	124131	124459
UN05467	Rsa1.0.03506.1	1095	22416	0	490	491	99 +	2	491	7388	7878
UN05468	Rsa1.0.00740.1	923	215972	0	662	691	95 +	2	682	2956	3643
UN05469	Rsa1.0.00821.1	1036	62891	0	365	365	100 -	671	1035	42502	42866
UN05470	Rsa1.0.02513.1	967	30643	0	926	964	96 +	2	965	10829	11789
UN05471	Rsa1.0.21366.1	1446	1211	0	846	856	98 -	591	1446	356	1211
UN05472	Rsa1.0.00130.1	788	125737	0	443	445	99 -	2	446	42201	42645
UN05473	Rsa1.0.01923.1	875	37233	0	831	877	94 -	1	875	23234	24106
UN05474	Rsa1.0.01261.1	829	49744	0	809	826	97 -	3	826	30840	31660
UN05475	Rsa1.0.00710.1	985	67325	0	691	691	100 +	295	985	5338	6028
UN05476	Rsa1.0.02929.1	838	26673	0	333	334	99 +	505	838	20275	20608
UN05477	Rsa1.0.00203.1	1127	109129	0	947	958	98 +	172	1127	46993	47950
UN05478	Rsa1.0.41744.1	742	538	1.00E-167	334	346	96 +	367	712	193	538
UN05479	Rsa1.0.00030.1	954	250988	0	688	698	98 +	2	698	15958	16655
UN05480	Rsa1.0.08655.1	836	7078	1.00E-129	235	235	100 -	237	471	5600	5834
UN05481	Rsa1.0.00920.1	755	601703	1.00E-114	212	213	99 -	543	755	443622	443834
UN05482	Rsa1.0.00096.1	611	198773	1.00E-180	341	347	98 +	266	611	159088	159434
UN05483	Rsa1.0.00107.1	857	431659	0	479	482	99 -	376	857	135950	136431
UN05484	Rsa1.0.00788.1	1371	64237	0	888	891	99 +	481	1371	22869	23759
UN05485	Rsa1.0.02179.1	1165	34188	0	609	626	97 -	66	691	24331	24956
UN05486	Rsa1.0.04235.1	1295	18373	0	822	866	94 -	434	1295	11442	12303
UN05487	Rsa1.0.00930.1	1219	59224	1.00E-122	270	283	95 -	925	1206	52016	52297
UN05488	Rsa1.0.00323.1	1115	159650	0	1108	1114	99 +	3	1115	148992	150105
UN05489	Rsa1.0.02113.1	847	34890	0	790	823	95 +	4	825	22694	23509
UN05490	Rsa1.0.00085.1	1125	142226	0	1048	1123	93 -	4	1125	121841	122954
UN05491	Rsa1.0.00040.1	1272	324196	0	545	558	97 +	715	1272	114552	115108
UN05492	Rsa1.0.03384.1	744	23291	0	740	743	99 -	2	744	12671	13413
UN05493	Rsa1.0.00017.1	927	752458	0	367	380	96 -	3	379	292600	292977
UN05494	Rsa1.0.03780.1	1072	20899	0	1051	1070	98 +	2	1068	15890	16959
UN05495	Rsa1.0.03081.1	877	25523	1.00E-153	274	274	100 -	1	274	21472	21745
UN05496	Rsa1.0.00184.1	734	218748	4.00E-83	157	157	100 -	185	341	212050	212206
UN05497	Rsa1.0.02433.1	1446	158318	0	393	397	98 -	1036	1432	20016	20411

UN05498	Rsa1.0.07515.1	1072	9221	0	1042	1075	96 +	3	1070	5653	6727
UN05499	Rsa1.0.14881.1	1128	2995	0	468	483	96 +	647	1128	2323	2804
UN05500	Rsa1.0.00890.1	651	323870	0	451	496	90 +	78	555	215367	215859
UN05501	Rsa1.0.00135.1	917	178077	0	456	457	99 -	4	460	82825	83281
UN05502	Rsa1.0.00046.1	842	320315	0	803	841	95 -	2	836	30017	30857
UN05503	Rsa1.0.00742.1	1548	66106	0	435	459	94 -	1092	1548	25739	26188
UN05504	Rsa1.0.00100.1	1402	249232	0	421	430	97 -	971	1400	140938	141367
UN05505	Rsa1.0.08717.1	1549	7008	1.00E-120	286	305	93 +	1250	1549	1261	1564
UN05506	Rsa1.0.12805.1	1140	5121	2.00E-40	116	126	92 +	438	563	4576	4701
UN05507	Rsa1.0.01191.1	1137	51235	0	469	471	99 +	13	483	12138	12608
UN05508	Rsa1.0.01339.1	1261	47813	0	386	388	99 +	874	1261	29690	30077
UN05509	Rsa1.0.02266.1	1335	33195	0	782	796	98 +	4	798	19496	20280
UN05510	Rsa1.0.15580.1	974	2535	0	321	321	100 -	3	323	1727	2047
UN05511	Rsa1.0.29122.1	756	792	0	431	438	98 -	235	672	360	792
UN05512	Rsa1.0.02903.1	2033	26901	0	912	932	97 -	452	1383	12531	13462
UN05513	Rsa1.0.00211.1	848	228189	1.00E-151	283	287	98 -	156	442	213634	213920
UN05514	Rsa1.0.32341.1	1372	704	1.00E-173	309	309	100 +	1064	1372	330	638
UN05515	Rsa1.0.12541.1	758	5198	0	361	370	97 +	1	370	375	744
UN05516	Rsa1.0.05305.1	1141	14207	0	503	527	95 -	3	518	13315	13835
UN05517	Rsa1.0.02355.1	1329	32260	0	612	633	96 -	697	1329	6912	7544
UN05518	Rsa1.0.01389.1	1413	46716	0	368	375	98 -	1038	1412	20717	21090
UN05519	Rsa1.0.01287.1	1517	49195	0	836	836	100 +	1	836	2346	3181
UN05520	Rsa1.0.03369.1	1314	23381	0	1001	1006	99 -	305	1309	10307	11312
UN05521	Rsa1.0.01553.1	755	43379	1.00E-165	294	294	100 +	462	755	26451	26744
UN05522	Rsa1.0.02707.1	676	28520	2.00E-84	213	229	93 -	451	675	172	400
UN05523	Rsa1.0.06775.1	1043	10379	0	457	463	98 +	583	1043	6834	7296
UN05524	Rsa1.0.01514.1	742	44222	0	723	740	97 +	3	740	3978	4717
UN05525	Rsa1.0.08606.1	931	7133	0	439	451	97 -	8	458	6441	6891
UN05526	Rsa1.0.01469.1	878	45139	0	453	455	99 +	422	876	14247	14701
UN05527	Rsa1.0.01452.1	1114	45459	0	465	497	93 +	619	1113	9485	9973
UN05528	Rsa1.0.01085.1	869	54539	0	392	400	98 +	2	401	9663	10062
UN05529	Rsa1.0.00001.1	1268	363028	0	476	476	100 +	569	1044	357923	358398
UN05530	Rsa1.0.51330.1	1229	443	2.00E-77	187	200	93 -	1030	1229	143	342
UN05531	Rsa1.0.00092.1	672	659932	0	660	674	97 +	3	672	353793	354465
UN05532	Rsa1.0.00016.1	881	831256	0	449	449	100 +	1	449	264152	264600
UN05533	Rsa1.0.03693.1	1461	21337	0	738	742	99 +	174	915	563	1303
UN05534	Rsa1.0.00321.1	1132	95671	0	777	789	98 +	353	1132	48387	49175
UN05535	Rsa1.0.02402.1	1236	31710	0	956	961	99 -	276	1236	10375	11335
UN05536	Rsa1.0.02099.1	1141	35030	1.00E-139	264	268	98 +	797	1064	2291	2558

UN05537	Rsa1.0.00105.1	772	134138	0	627	639	98 -	3	631	123747	124385
UN05538	Rsa1.0.06345.1	1486	11205	0	948	951	99 -	276	1226	2128	3078
UN05539	Rsa1.0.02368.1	864	32096	1.00E-119	239	245	97 +	5	248	4841	5085
UN05540	Rsa1.0.05150.1	804	14673	1.00E-177	351	363	96 -	283	645	6013	6375
UN05541	Rsa1.0.00077.1	1851	145005	0	1548	1603	96 +	4	1604	134272	135871
UN05542	Rsa1.0.01608.1	1153	170540	0	361	366	98 -	361	726	35343	35708
UN05543	Rsa1.0.00765.1	945	65029	0	817	827	98 -	3	828	30048	30874
UN05544	Rsa1.0.03216.1	967	24540	1.00E-163	292	292	100 -	676	967	12039	12330
UN05545	Rsa1.0.01636.1	935	41863	1.00E-135	251	252	99 -	684	935	36754	37004
UN05546	Rsa1.0.01114.1	803	53602	0	790	807	97 +	3	803	49683	50489
UN05547	#	#	#	#	#	#	#	#	#	#	#
UN05548	Rsa1.0.00533.1	774	77375	0	545	562	96 -	212	773	54830	55391
UN05549	Rsa1.0.06049.1	1093	11851	0	415	417	99 +	677	1093	9709	10125
UN05550	Rsa1.0.11824.1	467	5396	1.00E-102	235	253	92 +	232	466	3655	3907
UN05551	Rsa1.0.08507.1	591	7257	0	501	504	99 +	3	506	4584	5087
UN05552	Rsa1.0.00114.1	815	131330	1.00E-129	298	315	94 -	12	325	86104	86416
UN05553	Rsa1.0.00181.1	1139	114269	0	1090	1136	95 -	3	1135	91480	92614
UN05554	Rsa1.0.01957.1	614	36844	1.00E-121	238	244	97 -	371	614	13022	13265
UN05555	Rsa1.0.08811.1	793	6904	1.00E-123	245	252	97 +	168	419	3280	3531
UN05556	Rsa1.0.02858.1	1006	27246	0	980	1002	97 +	3	1004	14127	15128
UN05557	Rsa1.0.00153.1	1102	192931	0	508	552	92 +	548	1092	26879	27421
UN05558	Rsa1.0.01690.1	751	40939	0	437	438	99 +	313	750	23468	23905
UN05559	Rsa1.0.00132.1	1277	124299	0	327	327	100 -	3	329	104645	104971
UN05560	Rsa1.0.00395.1	1206	214466	1.00E-151	278	280	99 -	12	291	5892	6171
UN05561	Rsa1.0.00299.1	1432	97770	0	1427	1429	99 +	3	1431	41871	43299
UN05562	Rsa1.0.10577.1	597	5796	1.00E-164	380	408	93 +	190	597	621	1027
UN05563	Rsa1.0.00157.1	462	245832	0	406	415	97 +	48	462	239149	239563
UN05564	Rsa1.0.01376.1	926	47004	0	728	738	98 -	1	738	33259	33993
UN05565	Rsa1.0.01489.1	1012	44764	0	484	497	97 -	519	1010	16344	16834
UN05566	Rsa1.0.00714.1	644	67187	1.00E-174	312	313	99 -	1	313	3535	3847
UN05567	Rsa1.0.05199.1	527	14529	1.00E-145	301	313	96 +	2	314	6772	7083
UN05568	Rsa1.0.17607.1	1258	1785	1.00E-173	308	308	100 -	951	1258	1416	1723
UN05569	Rsa1.0.03736.1	1199	21081	1.00E-113	316	348	90 -	850	1189	9918	10265
UN05570	Rsa1.0.01523.1	813	43959	1.00E-168	302	303	99 +	511	813	20541	20843
UN05571	Rsa1.0.00493.1	805	80007	1.00E-133	250	253	98 +	205	457	75604	75856
UN05572	Rsa1.0.02870.1	1016	27102	0	643	644	99 +	3	646	26052	26694
UN05573	Rsa1.0.15516.1	1159	2563	1.00E-178	345	352	98 +	810	1159	1144	1495
UN05574	Rsa1.0.00825.1	783	62855	0	356	356	100 -	223	578	38368	38723
UN05575	Rsa1.0.00043.1	659	264937	2.00E-51	135	144	93 +	413	556	8948	9085

UN05576	Rsa1.0.00770.1	952	64900	0	949	952	99 +	3	952	53371	54322
UN05577	Rsa1.0.01732.1	1029	40194	0	404	404	100 -	1	404	15549	15952
UN05578	Rsa1.0.00016.1	1047	831256	1.00E-162	311	317	98 +	448	764	752718	753032
UN05579	Rsa1.0.14170.1	1158	3709	0	1154	1158	99 +	2	1157	1690	2847
UN05580	Rsa1.0.02377.1	996	31994	0	502	521	96 +	476	996	3419	3939
UN05581	Rsa1.0.00010.1	1507	294827	1.00E-114	221	225	98 -	208	432	219087	219311
UN05582	Rsa1.0.00463.1	751	189177	1.00E-165	327	337	97 -	413	749	169663	169997
UN05583	Rsa1.0.00035.1	1609	176449	0	998	1006	99 +	404	1409	125394	126399
UN05584	Rsa1.0.02107.1	517	34940	1.00E-135	361	395	91 +	134	514	9809	10197
UN05585	Rsa1.0.00850.1	1358	62193	0	694	718	96 -	1	718	25983	26700
UN05586	Rsa1.0.00101.1	988	267193	0	939	946	99 -	3	948	131119	132063
UN05587	Rsa1.0.00939.1	1057	185227	1.00E-130	237	237	100 -	435	671	39141	39377
UN05588	Rsa1.0.02247.1	1246	33427	0	508	529	96 -	240	765	2209	2737
UN05589	Rsa1.0.00005.1	800	353093	1.00E-142	307	321	95 +	482	800	130794	131114
UN05590	Rsa1.0.00805.1	1683	63724	0	634	654	96 -	1025	1678	13362	14012
UN05591	Rsa1.0.00971.1	1209	57973	0	766	783	97 +	2	779	16351	17127
UN05592	Rsa1.0.01687.1	929	40979	0	927	929	99 -	1	929	33077	34005
UN05593	Rsa1.0.02664.1	569	28917	0	509	541	94 +	1	540	7482	8022
UN05594	Rsa1.0.02105.1	1160	156953	0	392	395	99 +	1	395	26596	26990
UN05595	Rsa1.0.02065.1	1021	35467	0	379	382	99 +	236	617	15310	15691
UN05596	Rsa1.0.00102.1	765	135497	1.00E-135	331	361	91 -	3	359	44767	45107
UN05597	Rsa1.0.00037.1	1177	307838	1.00E-169	304	305	99 +	541	845	284445	284749
UN05598	Rsa1.0.04055.1	649	19354	0	629	649	96 -	1	647	11125	11773
UN05599	Rsa1.0.12966.1	1503	5062	0	813	855	95 -	663	1502	780	1628
UN05600	Rsa1.0.00090.1	875	273859	0	653	660	98 -	217	875	38868	39527
UN05601	Rsa1.0.00276.1	984	100160	4.00E-25	111	128	86 -	400	527	33975	34102
UN05602	Rsa1.0.02605.1	881	29637	0	872	879	99 -	4	881	1808	2685
UN05603	Rsa1.0.00904.1	816	180594	1.00E-174	316	317	99 -	26	341	149577	149893
UN05604	Rsa1.0.00414.1	1232	202190	0	467	492	94 -	3	494	201313	201804
UN05605	Rsa1.0.00479.1	1377	81377	0	685	695	98 +	684	1377	27298	27992
UN05606	Rsa1.0.01882.1	603	37697	0	589	601	98 +	1	601	24263	24860
UN05607	Rsa1.0.02651.1	1255	29046	0	502	502	100 +	20	521	25001	25502
UN05608	Rsa1.0.04210.1	717	18442	1.00E-179	362	370	97 -	353	717	3764	4133
UN05609	Rsa1.0.00308.1	870	96915	0	386	387	99 -	484	870	70984	71370
UN05610	Rsa1.0.00087.1	861	761073	1.00E-176	334	341	97 -	515	855	533426	533766
UN05611	Rsa1.0.00656.1	935	69968	0	537	551	97 +	381	931	36888	37434
UN05612	Rsa1.0.00061.1	1105	218685	0	561	566	99 +	118	683	99301	99866
UN05613	Rsa1.0.02213.1	1480	33824	0	880	908	96 -	576	1480	16450	17357
UN05614	Rsa1.0.02730.1	969	28385	0	456	501	91 +	347	823	391	891

UN05615	Rsa1.0.00347.1	1213	93048	0	354	357	99 +	858	1212	92076	92432
UN05616	Rsa1.0.01220.1	1405	161775	0	1037	1046	99 +	4	1048	115795	116839
UN05617	Rsa1.0.02927.1	1047	26698	0	531	556	95 +	1	550	8585	9136
UN05618	Rsa1.0.00525.1	761	78030	0	753	764	98 -	3	761	65524	66287
UN05619	Rsa1.0.12999.1	3539	5050	0	563	563	100 -	2535	3097	1	563
UN05620	Rsa1.0.01656.1	896	41494	0	413	413	100 -	419	831	36323	36735
UN05621	Rsa1.0.00997.1	1210	57190	0	725	726	99 -	485	1210	44267	44992
UN05622	Rsa1.0.02910.1	1579	26843	0	398	400	99 -	649	1047	24197	24596
UN05623	Rsa1.0.01153.1	607	52264	0	601	604	99 +	1	604	7807	8410
UN05624	Rsa1.0.52761.1	827	432	4.00E-28	115	130	88 +	3	132	184	308
UN05625	Rsa1.0.02069.1	1099	35425	0	386	400	96 -	704	1098	748	1146
UN05626	Rsa1.0.02490.1	1672	30885	0	409	418	97 +	1255	1672	28607	29023
UN05627	Rsa1.0.00472.1	1058	398134	1.00E-131	247	250	98 +	433	682	271666	271915
UN05628	Rsa1.0.09404.1	513	6392	0	499	512	97 -	2	513	854	1365
UN05629	Rsa1.0.01075.1	760	156953	1.00E-123	237	241	98 +	473	713	23131	23371
UN05630	Rsa1.0.04293.1	835	18046	1.00E-145	335	357	93 +	3	356	12294	12640
UN05631	Rsa1.0.01249.1	831	188432	0	677	683	99 +	149	831	157690	158372
UN05632	Rsa1.0.03964.1	723	19835	9.00E-72	217	244	88 -	491	723	13100	13337
UN05633	Rsa1.0.03981.1	1356	19724	1.00E-139	335	359	93 -	1003	1356	18184	18533
UN05634	Rsa1.0.00476.1	1693	280966	0	346	347	99 +	1347	1692	156495	156841
UN05635	Rsa1.0.00341.1	1147	249309	0	347	354	98 +	3	353	9179	9532
UN05636	Rsa1.0.02923.1	1364	26736	0	655	697	93 +	631	1316	10816	11508
UN05637	Rsa1.0.67954.1	1060	337	0	327	328	99 +	140	467	10	337
UN05638	Rsa1.0.00028.1	718	293984	0	362	370	97 +	350	718	173266	173635
UN05639	Rsa1.0.34876.1	759	649	3.00E-93	174	174	100 -	194	367	122	295
UN05640	Rsa1.0.01861.1	954	38031	1.00E-170	347	361	96 +	17	377	29580	29937
UN05641	Rsa1.0.04611.1	1254	16647	1.00E-169	307	309	99 -	17	325	14537	14845
UN05642	Rsa1.0.10881.1	1583	5691	0	739	742	99 -	844	1583	4950	5691
UN05643	Rsa1.0.00092.1	1513	659932	0	509	514	99 -	364	877	348844	349357
UN05644	Rsa1.0.00629.1	1062	71381	0	396	405	97 -	3	407	38665	39066
UN05645	Rsa1.0.04297.1	507	18030	1.00E-121	220	220	100 +	1	220	16488	16707
UN05646	Rsa1.0.00283.1	1180	183797	1.00E-144	265	267	99 -	1	267	174880	175146
UN05647	Rsa1.0.01492.1	986	44704	2.33E-156	312	326	95 +	1	320	26463	26786
UN05648	Rsa1.0.01476.1	1235	172928	1.00E-112	276	299	92 +	1	291	137462	137754
UN05649	Rsa1.0.00108.1	1014	478491	0	639	680	93 +	1	677	144384	145050
UN05650	Rsa1.0.00461.1	781	82509	0	431	439	98 -	332	769	19933	20371
UN05651	Rsa1.0.01606.1	718	42432	0	560	572	97 +	18	588	37724	38292
UN05652	Rsa1.0.01971.1	844	36641	0	419	428	97 -	1	423	10966	11391
UN05653	Rsa1.0.01191.1	1154	51235	0	551	555	99 -	1	555	19276	19827

UN05654	Rsa1.0.02229.1	787	33672	0	345	345	100 -	3	347	26818	27162
UN05655	Rsa1.0.01537.1	716	187285	0	519	520	99 +	2	521	165458	165977
UN05656	Rsa1.0.04934.1	641	143962	1.00E-174	367	385	95 +	255	639	142052	142435
UN05657	Rsa1.0.08675.1	474	7054	0	474	474	100 +	1	474	2185	2658
UN05658	Rsa1.0.00383.1	837	398431	1.00E-117	294	318	92 +	2	303	182089	182404
UN05659	Rsa1.0.00294.1	797	144860	0	575	583	98 -	1	583	67251	67833
UN05660	Rsa1.0.03437.1	868	22947	0	380	383	99 +	484	866	18572	18954
UN05661	Rsa1.0.04848.1	1211	15727	0	855	869	98 +	342	1210	6563	7431
UN05662	Rsa1.0.00262.1	734	101906	0	377	380	99 -	2	381	51801	52180
UN05663	Rsa1.0.00136.1	1759	122464	0	502	502	100 -	1258	1759	31374	31875
UN05664	Rsa1.0.01779.1	774	39448	0	392	404	97 -	2	405	25472	25871
UN05665	Rsa1.0.00045.1	704	328694	1.00E-142	269	272	98 -	3	274	232551	232821
UN05666	Rsa1.0.00354.1	983	232005	0	958	983	97 -	1	982	180229	181205
UN05667	Rsa1.0.00546.1	783	76523	0	444	472	94 +	100	571	60591	61062
UN05668	Rsa1.0.00589.1	985	209965	0	535	560	95 -	427	985	9746	10294
UN05669	Rsa1.0.00366.1	1360	90880	1.00E-154	277	277	100 +	1070	1346	7884	8160
UN05670	Rsa1.0.00026.1	782	327835	0	570	593	96 +	5	595	27208	27800
UN05671	Rsa1.0.01892.1	751	37526	0	641	650	98 -	1	650	26443	27091
UN05672	Rsa1.0.04997.1	540	15182	0	525	539	97 +	1	539	3486	4023
UN05673	Rsa1.0.00517.1	1323	142790	0	1220	1287	94 +	1	1280	65140	66425
UN05674	Rsa1.0.01024.1	811	56569	0	761	770	98 -	43	811	32275	33044
UN05675	Rsa1.0.01750.1	814	39816	1.00E-120	252	261	96 -	1	261	22530	22786
UN05676	Rsa1.0.00211.1	1051	228189	1.00E-118	303	332	91 +	739	1050	147827	148158
UN05677	Rsa1.0.24113.1	845	1006	0	481	487	98 +	1	485	507	993
UN05678	Rsa1.0.01248.1	1057	154103	0	425	428	99 -	125	552	11605	12032
UN05679	Rsa1.0.00767.1	746	64980	0	605	611	99 -	1	611	14548	15158
UN05680	Rsa1.0.00279.1	750	100039	0	544	544	100 -	1	544	39261	39804
UN05681	Rsa1.0.01796.1	1140	39154	0	1125	1139	98 -	2	1140	19170	20307
UN05682	Rsa1.0.00430.1	1291	85453	1.00E-178	335	341	98 -	231	571	42843	43183
UN05683	Rsa1.0.00531.1	954	77387	0	945	954	99 +	1	954	61149	62100
UN05684	Rsa1.0.00040.1	949	324196	0	595	605	98 -	1	605	246545	247147
UN05685	Rsa1.0.13693.1	857	4469	0	772	805	95 -	58	857	3195	3997
UN05686	Rsa1.0.02319.1	1408	32580	0	1354	1434	94 -	1	1408	401	1807
UN05687	Rsa1.0.00050.1	1172	237174	0	888	891	99 +	281	1170	186179	187069
UN05688	Rsa1.0.01829.1	1349	166063	0	438	440	99 -	910	1349	128650	129089
UN05689	Rsa1.0.00069.1	670	403561	0	377	388	97 +	269	656	86497	86884
UN05690	Rsa1.0.15510.1	1091	2565	0	724	731	99 +	1	731	1333	2063
UN05691	Rsa1.0.00035.1	994	176449	0	393	396	99 -	599	994	37380	37775
UN05692	Rsa1.0.00281.1	1109	99908	1.00E-147	316	336	94 -	1	322	6793	7128

UN05693	Rsa1.0.03183.1	1241	24755	0	589	590	99 -	652	1241	15263	15852
UN05694	Rsa1.0.00866.1	672	61676	1.00E-123	247	254	97 -	1	251	56474	56727
UN05695	Rsa1.0.02672.1	761	28884	1.00E-106	208	212	98 -	394	605	15855	16066
UN05696	Rsa1.0.01173.1	1229	51727	0	386	402	96 -	39	439	1555	1955
UN05697	Rsa1.0.01580.1	1177	42852	0	400	417	95 -	1	414	31149	31563
UN05698	Rsa1.0.03309.1	1069	23852	0	519	524	99 +	3	526	16961	17479
UN05699	Rsa1.0.14703.1	763	3143	1.00E-104	251	267	94 +	1	264	1017	1282
UN05700	Rsa1.0.00990.1	1342	57445	0	414	416	99 +	579	993	15812	16227
UN05701	Rsa1.0.01340.1	909	47805	0	466	477	97 +	2	478	24238	24712
UN05702	Rsa1.0.01630.1	677	41913	1.00E-133	259	264	98 +	1	264	943	1204
UN05703	Rsa1.0.01280.1	1466	49321	0	1013	1051	96 -	6	1048	36579	37629
UN05704	Rsa1.0.00662.1	1255	192183	0	585	598	97 -	1	598	189833	190426
UN05705	Rsa1.0.03402.1	1032	23188	1.00E-112	296	333	88 +	5	321	11297	11614
UN05706	Rsa1.0.18038.1	995	1684	1.00E-174	316	318	99 -	1	318	735	1052
UN05707	Rsa1.0.00787.1	821	64239	0	814	819	99 -	5	821	32330	33148
UN05708	Rsa1.0.01234.1	570	50183	0	556	574	96 -	1	570	43259	43831
UN05709	Rsa1.0.00673.1	1195	69325	0	395	405	97 -	1	402	50953	51357
UN05710	Rsa1.0.12663.1	588	5160	1.00E-133	314	338	92 +	1	336	935	1260
UN05711	Rsa1.0.01825.1	774	38725	1.00E-164	349	363	96 +	1	358	13989	14350
UN05712	Rsa1.0.02655.1	859	29027	1.00E-176	331	337	98 -	1	337	16785	17121
UN05713	Rsa1.0.00111.1	477	390088	1.00E-111	304	336	90 -	129	459	174813	175148
UN05714	Rsa1.0.06170.1	851	11575	0	394	396	99 -	456	851	6714	7109
UN05715	Rsa1.0.00039.1	631	296927	4.00E-92	188	192	97 -	440	630	18136	18327
UN05716	Rsa1.0.00438.1	1294	84861	1.00E-156	324	337	96 +	110	445	15680	16012
UN05717	Rsa1.0.12454.1	1346	5222	0	1128	1203	93 +	13	1215	1326	2526
UN05718	Rsa1.0.08691.1	880	7034	0	427	431	99 -	3	433	5704	6133
UN05719	Rsa1.0.00651.1	785	247766	1.00E-137	259	263	98 -	415	677	218653	218915
UN05720	Rsa1.0.32832.1	756	693	0	337	341	98 -	1	341	325	665
UN05721	Rsa1.0.00055.1	1374	520193	1.00E-149	380	422	90 +	315	736	395420	395817
UN05722	Rsa1.0.00075.1	1668	146680	0	1316	1318	99 +	1	1318	127832	129149
UN05723	Rsa1.0.00106.1	1629	133916	0	858	873	98 +	1	870	5576	6445
UN05724	Rsa1.0.13332.1	729	4911	1.00E-155	285	286	99 +	1	285	4122	4407
UN05725	Rsa1.0.00009.1	1097	232558	0	337	340	99 -	1	340	142538	142876
UN05726	Rsa1.0.00427.1	496	189678	0	448	482	92 -	2	476	41004	41464
UN05727	Rsa1.0.01526.1	1633	43919	0	574	576	99 +	1058	1631	23866	24441
UN05728	Rsa1.0.00524.1	392	169613	1.00E-136	354	390	90 -	5	391	152026	152398
UN05729	Rsa1.0.07704.1	935	8754	0	663	682	97 +	2	680	3432	4101
UN05730	Rsa1.0.08717.1	1486	7008	1.00E-123	292	310	94 -	3	304	1261	1566
UN05731	Rsa1.0.00001.1	866	363028	0	370	370	100 -	1	370	130696	131065

UN05732	Rsa1.0.02796.1	1336	27805	0	1323	1334	99 -	2	1335	22972	24304
UN05733	Rsa1.0.01044.1	1248	55861	0	1214	1249	97 +	1	1247	16741	17989
UN05734	Rsa1.0.00744.1	951	66084	2.00E-85	179	185	96 +	424	608	58549	58733
UN05735	Rsa1.0.00604.1	1198	146282	0	1180	1187	99 -	3	1189	21925	23111
UN05736	Rsa1.0.02903.1	1304	26901	0	734	750	97 +	471	1220	19384	20133
UN05737	Rsa1.0.00119.1	407	467509	1.00E-103	218	227	96 +	178	404	361786	362012
UN05738	Rsa1.0.00018.1	1086	410899	1.00E-155	322	333	96 -	679	1011	70285	70612
UN05739	Rsa1.0.00701.1	1164	67691	0	389	401	97 -	2	402	23226	23626
UN05740	Rsa1.0.03853.1	641	20447	1.00E-174	374	391	95 -	1	385	10994	11384
UN05741	Rsa1.0.02404.1	850	31702	0	577	580	99 +	1	579	5090	5669
UN05742	Rsa1.0.02374.1	1431	32043	1.00E-106	326	367	88 +	4	365	25644	25991
UN05743	Rsa1.0.00656.1	1270	69968	0	411	413	99 +	237	649	49589	50001
UN05744	Rsa1.0.00395.1	966	214466	1.00E-117	330	367	89 +	4	370	62452	62817
UN05745	Rsa1.0.00555.1	719	75920	0	567	600	94 +	34	632	51205	51801
UN05746	Rsa1.0.00842.1	1331	62493	0	393	410	95 -	250	659	3019	3428
UN05747	Rsa1.0.00988.1	690	57525	1.00E-158	283	283	100 +	1	283	49551	49833
UN05748	Rsa1.0.05689.1	766	12927	1.00E-123	240	245	97 -	29	273	12604	12848
UN05749	Rsa1.0.00838.1	1299	153820	0	1268	1300	97 +	1	1298	59940	61238
UN05750	Rsa1.0.00583.1	1062	74309	1.00E-168	312	316	98 +	496	811	13328	13643
UN05751	Rsa1.0.00525.1	962	78030	0	375	376	99 +	1	376	4852	5227
UN05752	Rsa1.0.04470.1	808	17204	0	700	704	99 -	1	704	14662	15364
UN05753	Rsa1.0.14201.1	400	3670	1.00E-173	378	400	94 +	4	400	573	969
UN05754	Rsa1.0.00071.1	1462	345714	0	1131	1152	98 -	1	1149	75943	77091
UN05755	Rsa1.0.04516.1	1618	17018	0	620	635	97 +	794	1428	2760	3394
UN05756	Rsa1.0.00509.1	1315	78829	0	441	444	99 +	643	1086	57392	57835
UN05757	Rsa1.0.00427.1	978	189678	1.00E-145	272	274	99 -	1	274	171614	171886
UN05758	Rsa1.0.00120.1	884	277288	1.00E-116	213	213	100 +	672	884	93711	93923
UN05759	Rsa1.0.02648.1	847	29073	0	425	441	96 +	1	441	25785	26225
UN05760	Rsa1.0.03360.1	712	23459	0	430	436	98 +	3	438	21550	21984
UN05761	Rsa1.0.00564.1	511	75428	1.00E-143	257	257	100 -	255	511	33555	33811
UN05762	Rsa1.0.00172.1	1184	115476	0	722	728	99 +	1	728	68378	69105
UN05763	Rsa1.0.00220.1	919	192936	1.00E-142	268	272	98 -	2	273	183983	184254
UN05764	Rsa1.0.00387.1	791	495407	0	399	405	98 -	3	407	146424	146826
UN05765	Rsa1.0.32744.1	951	695	9.00E-17	95	110	86 +	489	598	486	594
UN05766	Rsa1.0.00091.1	1197	139699	1.00E-173	384	404	95 +	7	408	15256	15657
UN05767	Rsa1.0.01140.1	556	52586	1.00E-94	229	243	94 +	8	250	6447	6685
UN05768	Rsa1.0.06004.1	1299	11961	1.00E-177	361	376	96 +	856	1231	5996	6371
UN05769	Rsa1.0.05878.1	1095	12344	1.00E-171	373	390	95 +	1	387	8117	8501
UN05770	Rsa1.0.01061.1	874	55349	1.00E-119	220	221	99 -	1	221	48481	48701

UN05771	Rsa1.0_00239.1	671	104332	0	407	409	99 +	4	412	97175	97583
UN05772	Rsa1.0_00417.1	1118	395068	0	927	985	94 +	9	987	386665	387638
UN05773	Rsa1.0_03263.1	406	24268	0	376	389	96 -	17	405	21178	21563
UN05774	Rsa1.0_06056.1	586	137271	1.00E-145	335	359	93 -	199	554	128419	128777
UN05775	Rsa1.0_00438.1	886	84861	0	518	550	94 +	355	886	69255	69798
UN05776	Rsa1.0_00301.1	822	365315	1.00E-102	204	209	97 -	427	635	327848	328056
UN05777	Rsa1.0_00123.1	1022	325650	1.00E-132	257	263	97 -	460	722	216442	216704
UN05778	Rsa1.0_00832.1	1309	62622	0	368	377	97 -	672	1048	42284	42660
UN05779	Rsa1.0_00246.1	1478	103541	0	1193	1250	95 -	1	1241	29514	30762
UN05780	Rsa1.0_00277.1	1046	100132	0	607	615	98 -	41	654	7609	8223
UN05781	Rsa1.0_01006.1	664	163670	1.00E-160	290	291	99 +	243	533	138108	138398
UN05782	Rsa1.0_00602.1	1044	73302	0	565	566	99 -	477	1042	28645	29210
UN05783	Rsa1.0_00201.1	1399	232851	1.00E-148	284	289	98 -	1	286	72009	72297
UN05784	Rsa1.0_03833.1	1061	20575	0	551	559	98 -	5	563	19050	19608
UN05785	Rsa1.0_01060.1	1144	55368	0	1140	1143	99 -	1	1143	25007	26148
UN05786	Rsa1.0_00441.1	1124	84607	0	631	650	97 +	7	656	31044	31687
UN05787	Rsa1.0_01285.1	938	172709	1.00E-142	259	260	99 +	677	936	158476	158735
UN05788	Rsa1.0_01801.1	755	39094	0	524	554	94 -	215	754	292	845
UN05789	Rsa1.0_00019.1	984	301669	1.00E-159	294	297	98 +	2	298	112749	113045
UN05790	Rsa1.0_00502.1	1183	204180	0	369	375	98 +	1	375	9295	9665
UN05791	Rsa1.0_02198.1	1384	33989	0	824	851	96 +	466	1316	6893	7743
UN05792	Rsa1.0_00324.1	1033	218805	1.00E-139	254	255	99 -	2	256	154604	154858
UN05793	Rsa1.0_00093.1	834	214962	0	417	418	99 +	3	420	206576	206993
UN05794	Rsa1.0_03998.1	1071	19651	4.00E-47	128	137	93 +	884	1020	12404	12539
UN05795	Rsa1.0_06133.1	1121	11663	1.00E-169	305	306	99 -	309	614	8879	9184
UN05796	Rsa1.0_00319.1	1469	167331	0	560	589	95 -	3	591	60716	61293
UN05797	Rsa1.0_03883.1	1358	20282	0	1030	1065	96 -	203	1261	9507	10562
UN05798	Rsa1.0_00446.1	846	167829	0	824	856	96 -	3	844	149433	150288
UN05799	Rsa1.0_00394.1	933	148426	1.00E-139	299	313	95 +	1	311	122830	123140
UN05800	Rsa1.0_01896.1	1428	37512	0	1049	1061	98 -	1	1059	30506	31566
UN05801	Rsa1.0_00448.1	1796	84048	0	1754	1796	97 +	1	1795	40467	42259
UN05802	Rsa1.0_02247.1	627	33427	1.00E-143	321	341	94 +	1	330	8468	8807
UN05803	Rsa1.0_04482.1	1014	17175	0	905	956	94 +	3	953	14962	15912
UN05804	Rsa1.0_06911.1	1374	10178	0	732	758	96 -	630	1374	4913	5669
UN05805	Rsa1.0_03289.1	870	24011	1.00E-172	318	322	98 -	1	322	20280	20601
UN05806	#	#	#	#	#	#	#	#	#	#	#
UN05807	Rsa1.0_01024.1	900	56569	0	894	900	99 +	1	900	31281	32180
UN05808	Rsa1.0_02841.1	576	27383	0	348	351	99 +	2	352	4965	5314
UN05809	Rsa1.0_00362.1	1341	299497	0	775	793	97 +	79	871	220963	221755

UN05810	Rsa1.0.02473.1	598	31083	0	596	598	99 -	1	598	8040	8637
UN05811	Rsa1.0.00679.1	2011	68971	0	499	518	96 +	1323	1840	51892	52409
UN05812	Rsa1.0.00067.1	1184	415055	0	740	769	96 -	414	1182	247368	248130
UN05813	Rsa1.0.01727.1	1014	40243	1.00E-132	304	322	94 -	1	319	7333	7652
UN05814	Rsa1.0.01471.1	855	45101	1.00E-168	367	387	94 +	1	387	18491	18874
UN05815	Rsa1.0.00570.1	1069	75002	0	580	585	99 +	1	584	34605	35189
UN05816	Rsa1.0.02174.1	849	34316	0	826	848	97 -	2	849	4385	5231
UN05817	Rsa1.0.00117.1	1244	213118	0	815	918	88 -	207	1112	211681	212592
UN05818	Rsa1.0.00816.1	843	403350	1.00E-129	259	266	97 -	17	282	391532	391796
UN05819	Rsa1.0.01635.1	998	41865	1.00E-172	307	307	100 -	692	998	38710	39016
UN05820	Rsa1.0.00589.1	1190	209965	1.00E-154	277	277	100 -	396	672	189295	189571
UN05821	Rsa1.0.02871.1	859	27085	0	464	464	100 -	2	465	6285	6748
UN05822	Rsa1.0.00058.1	668	159921	1.00E-110	212	214	99 -	456	668	83148	83361
UN05823	Rsa1.0.01895.1	939	37512	1.00E-152	357	384	92 +	558	934	10218	10601
UN05824	Rsa1.0.05457.1	784	13687	0	431	438	98 +	3	440	2411	2848
UN05825	Rsa1.0.00881.1	768	61260	0	727	770	94 -	3	760	21610	22372
UN05826	Rsa1.0.05039.1	1015	15056	0	573	573	100 -	443	1015	4260	4832
UN05827	Rsa1.0.00596.1	1816	73578	0	640	646	99 -	221	863	52467	53112
UN05828	Rsa1.0.01175.1	887	51674	0	617	637	96 +	2	638	18537	19173
UN05829	Rsa1.0.01247.1	704	49934	1.00E-171	349	364	95 +	6	369	25027	25390
UN05830	Rsa1.0.15314.1	493	2690	1.00E-111	207	208	99 +	3	210	354	561
UN05831	Rsa1.0.00157.1	588	245832	1.00E-159	291	293	99 +	296	588	51058	51350
UN05832	Rsa1.0.01595.1	766	175383	1.00E-134	283	295	95 +	7	296	38730	39024
UN05833	Rsa1.0.01405.1	953	46445	0	685	717	95 +	244	948	8905	9621
UN05834	Rsa1.0.00921.1	710	59599	0	347	349	99 +	362	710	9703	10051
UN05835	Rsa1.0.00871.1	587	61539	0	445	474	93 +	126	587	4048	4516
UN05836	Rsa1.0.00259.1	818	163204	3.00E-78	167	173	96 +	514	686	149484	149656
UN05837	Rsa1.0.01232.1	871	155185	0	413	419	98 -	453	871	108745	109163
UN05838	Rsa1.0.01414.1	1482	149508	1.00E-169	363	382	95 +	1106	1477	115743	116123
UN05839	Rsa1.0.00999.1	917	57162	0	459	461	99 +	2	462	24939	25399
UN05840	Rsa1.0.00087.1	1079	761073	0	354	360	98 -	720	1079	730624	730983
UN05841	Rsa1.0.01249.1	1939	188432	0	1134	1182	95 +	770	1938	149233	150411
UN05842	Rsa1.0.20900.1	1506	1257	0	532	548	97 +	287	834	5	552
UN05843	Rsa1.0.03565.1	1059	22062	1.00E-166	362	383	94 -	13	395	3775	4155
UN05844	Rsa1.0.13838.1	721	4236	0	489	539	90 +	8	543	1128	1640
UN05845	Rsa1.0.00081.1	1277	143261	0	353	353	100 -	925	1277	108963	109315
UN05846	Rsa1.0.03853.1	1236	20447	0	465	502	92 +	759	1236	10994	11494
UN05847	Rsa1.0.08338.1	534	7511	0	488	520	93 -	3	521	490	989
UN05848	Rsa1.0.03843.1	1088	20496	0	401	427	93 +	6	418	6097	6521

UN05849	Rsa1.0_24098.1	944	1007	0	354	355	99 -	589	943	597	951
UN05850	Rsa1.0_02662.1	732	28956	0	501	514	97 +	5	518	9090	9603
UN05851	Rsa1.0_00427.1	1066	189678	0	356	361	98 +	697	1057	110951	111311
UN05852	Rsa1.0_05604.1	934	13204	0	778	782	99 +	102	883	11682	12463
UN05853	Rsa1.0_00288.1	813	98659	0	492	519	94 +	310	811	89851	90368
UN05854	Rsa1.0_00684.1	972	141701	0	510	547	93 -	5	532	66962	67507
UN05855	Rsa1.0_00998.1	851	57168	1.00E-142	287	297	96 +	378	674	9918	10214
UN05856	Rsa1.0_01368.1	781	47129	0	404	408	99 +	54	461	25973	26380
UN05857	Rsa1.0_00630.1	1050	71281	1.00E-150	272	273	99 -	778	1050	34386	34658
UN05858	Rsa1.0_00124.1	1061	262503	1.00E-116	260	276	94 -	13	288	21650	21919
UN05859	Rsa1.0_06463.1	1192	10968	0	412	419	98 +	774	1192	8511	8928
UN05860	Rsa1.0_00019.1	1594	301669	0	1584	1596	99 +	3	1594	229403	230997
UN05861	Rsa1.0_00419.1	1283	86562	1.00E-137	271	276	98 -	1009	1283	39968	40242
UN05862	Rsa1.0_31661.1	1224	722	0	407	408	99 +	818	1224	1	408
UN05863	Rsa1.0_01943.1	934	37042	0	835	844	98 -	91	934	14217	15060
UN05864	Rsa1.0_00025.1	957	277312	1.00E-173	315	317	99 +	387	703	112270	112586
UN05865	Rsa1.0_00688.1	995	68396	2.00E-76	210	232	90 +	769	995	14822	15046
UN05866	Rsa1.0_02111.1	1337	34913	1.00E-121	237	242	97 +	9	250	833	1074
UN05867	Rsa1.0_03390.1	780	23270	1.00E-174	400	430	93 -	156	585	17528	17957
UN05868	Rsa1.0_00374.1	886	165738	0	390	392	99 +	1	392	128271	128662
UN05869	Rsa1.0_03199.1	690	24640	0	459	466	98 +	227	690	16239	16704
UN05870	Rsa1.0_06289.1	1372	11298	0	511	530	96 +	200	725	4493	5021
UN05871	Rsa1.0_01701.1	532	162121	0	487	493	98 +	4	496	1466	1956
UN05872	Rsa1.0_02120.1	1070	34819	1.00E-81	170	175	97 +	896	1070	9297	9471
UN05873	Rsa1.0_00079.1	2225	606987	0	1161	1204	96 +	1031	2224	56834	58031
UN05874	Rsa1.0_00070.1	712	150321	1.00E-156	289	292	98 -	384	675	59726	60017
UN05875	Rsa1.0_02783.1	1075	27927	0	1036	1075	96 -	2	1075	21274	22327
UN05876	Rsa1.0_13789.1	1442	4332	0	1029	1045	98 -	113	1154	3288	4332
UN05877	Rsa1.0_02508.1	1314	30675	0	545	563	96 +	3	557	20162	20724
UN05878	Rsa1.0_11525.1	1241	5479	0	836	910	91 +	76	985	4434	5343
UN05879	Rsa1.0_00348.1	1200	92818	2.00E-49	110	113	97 +	137	249	10541	10653
UN05880	Rsa1.0_06362.1	1377	11154	0	826	870	94 -	95	951	7607	8460
UN05881	Rsa1.0_00161.1	957	116891	1.00E-149	284	288	98 +	671	957	8114	8401
UN05882	Rsa1.0_00342.1	648	93695	2.00E-87	164	164	100 +	485	648	32258	32421
UN05883	Rsa1.0_04510.1	1118	17033	1.00E-145	306	321	95 +	806	1116	12403	12723
UN05884	Rsa1.0_00612.1	800	72376	0	593	607	97 +	192	797	34827	35433
UN05885	Rsa1.0_00191.1	1293	316976	0	729	818	89 +	27	844	8982	9799
UN05886	Rsa1.0_08768.1	850	6941	1.00E-158	323	334	96 -	453	786	1	326
UN05887	Rsa1.0_01295.1	1162	49040	0	540	561	96 -	100	654	8398	8958

UN05888	Rsa1.0.00417.1	1015	395068	0	477	506	94 +	510	1015	259259	259761
UN05889	Rsa1.0.00017.1	1351	752458	1.00E-160	364	387	94 -	972	1351	661836	662218
UN05890	Rsa1.0.01042.1	1033	293264	0	993	1038	95 -	3	1032	141035	142066
UN05891	Rsa1.0.09029.1	1233	6700	1.00E-114	275	293	93 -	942	1233	176	461
UN05892	Rsa1.0.02358.1	945	32213	1.00E-167	314	319	98 -	426	744	394	712
UN05893	Rsa1.0.01192.1	1429	51150	0	930	953	97 +	476	1428	7058	8003
UN05894	Rsa1.0.02840.1	1049	27386	0	745	779	95 -	3	772	26285	27061
UN05895	Rsa1.0.01159.1	825	52115	1.00E-126	241	245	98 +	313	557	32156	32400
UN05896	Rsa1.0.06072.1	1427	11811	0	516	547	94 -	178	718	11099	11641
UN05897	Rsa1.0.00364.1	1471	90951	1.00E-157	290	293	98 +	683	975	25324	25616
UN05898	Rsa1.0.03298.1	791	23956	0	395	396	99 +	396	791	16319	16714
UN05899	Rsa1.0.00136.1	730	122464	0	397	411	96 +	18	428	83043	83453
UN05900	Rsa1.0.05614.1	1163	13191	5.00E-93	174	174	100 -	23	196	6971	7144
UN05901	Rsa1.0.03982.1	1086	19723	1.00E-131	262	270	97 +	3	272	836	1105
UN05902	Rsa1.0.00092.1	1073	659932	0	643	673	95 -	417	1073	141021	141690
UN05903	Rsa1.0.00525.1	948	78030	1.00E-178	352	363	96 -	586	948	4873	5227
UN05904	Rsa1.0.03828.1	1315	20588	0	1267	1300	97 +	1	1300	14279	15572
UN05905	Rsa1.0.03731.1	894	21136	1.00E-130	242	244	99 +	648	891	1440	1683
UN05906	Rsa1.0.01581.1	506	42833	1.00E-161	346	361	95 -	114	472	27739	28095
UN05907	Rsa1.0.00157.1	1502	245832	0	1118	1170	95 -	343	1490	224410	225579
UN05908	Rsa1.0.01052.1	1192	55548	1.00E-166	318	325	97 -	268	592	45259	45583
UN05909	Rsa1.0.00967.1	673	58049	0	424	440	96 -	3	438	49368	49803
UN05910	Rsa1.0.01537.1	1413	187285	3.00E-14	141	174	81 -	247	420	17912	18085
UN05911	Rsa1.0.01296.1	1052	49035	0	656	677	96 +	377	1052	19219	19890
UN05912	Rsa1.0.00515.1	1053	78417	9.00E-76	145	145	100 +	1	145	57299	57443
UN05913	Rsa1.0.01174.1	720	51696	0	396	406	97 -	3	408	35988	36393
UN05914	Rsa1.0.00466.1	1023	82132	0	717	740	96 -	284	1023	23508	24246
UN05915	Rsa1.0.03612.1	1285	21784	0	1134	1191	95 +	109	1285	9263	10439
UN05916	Rsa1.0.01773.1	909	39546	0	874	910	96 +	1	909	17788	18693
UN05917	Rsa1.0.05842.1	1177	12461	0	1138	1179	96 -	1	1175	10198	11375
UN05918	Rsa1.0.01210.1	1126	50663	0	402	412	97 -	3	410	34618	35029
UN05919	Rsa1.0.09388.1	728	6405	2.00E-94	286	322	88 -	10	313	4675	4991
UN05920	Rsa1.0.01996.1	550	36327	1.00E-116	282	300	94 +	9	304	28087	28381
UN05921	Rsa1.0.08020.1	1023	8075	0	808	823	98 -	203	1022	1041	1863
UN05922	Rsa1.0.00276.1	431	100160	0	426	431	98 +	1	431	3828	4258
UN05923	Rsa1.0.00087.1	959	761073	0	954	960	99 -	1	959	322147	323106
UN05924	Rsa1.0.00632.1	821	183777	0	668	695	96 -	1	694	10503	11197
UN05925	Rsa1.0.01884.1	1102	37659	1.00E-108	282	309	91 +	641	949	25528	25833
UN05926	Rsa1.0.05260.1	1403	14337	0	923	935	98 -	470	1403	3508	4442

UN05927	Rsa1.0_00092.1	1006	659932	0	871	906	96 +	3	902	531020	531925
UN05928	Rsa1.0_03147.1	706	25001	0	699	706	99 +	1	706	13626	14331
UN05929	Rsa1.0_02606.1	1411	29635	0	385	387	99 -	1	387	7554	7940
UN05930	Rsa1.0_00461.1	904	82509	0	591	607	97 -	309	903	48011	48617
UN05931	Rsa1.0_00205.1	855	193401	1.00E-107	328	364	90 -	4	364	77712	78060
UN05932	Rsa1.0_00160.1	1299	346678	0	884	925	95 +	2	920	137671	138591
UN05933	Rsa1.0_00348.1	1482	92818	0	1478	1486	99 -	1	1481	32351	33836
UN05934	Rsa1.0_02544.1	1224	30290	0	339	342	99 +	1	342	28816	29157
UN05935	Rsa1.0_04892.1	839	15573	1.00E-133	253	257	98 +	449	705	10170	10426
UN05936	Rsa1.0_00015.1	1373	561803	0	468	468	100 +	1	468	373914	374381
UN05937	Rsa1.0_00447.1	1231	84051	0	1179	1241	95 -	1	1229	56648	57874
UN05938	Rsa1.0_58400.1	1022	392	0	330	330	100 -	1	330	8	337
UN05939	Rsa1.0_00625.1	1454	71672	0	643	674	95 +	1	655	12121	12794
UN05940	Rsa1.0_01294.1	1486	49090	0	791	808	97 +	365	1171	705	1512
UN05941	Rsa1.0_00083.1	849	442773	0	772	804	96 +	50	849	359544	360342
UN05942	Rsa1.0_02267.1	1213	33194	1.00E-138	265	270	98 -	768	1032	26825	27094
UN05943	Rsa1.0_00920.1	1198	601703	0	1006	1023	98 -	53	1068	296388	297410
UN05944	Rsa1.0_00546.1	881	76523	0	592	632	93 -	248	879	2622	3233
UN05945	Rsa1.0_03487.1	1074	22564	0	1070	1070	100 +	3	1072	3850	4919
UN05946	Rsa1.0_00112.1	1029	132199	0	524	525	99 +	440	964	45141	45665
UN05947	Rsa1.0_00456.1	563	82826	0	545	561	97 -	1	561	19174	19733
UN05948	Rsa1.0_09755.1	1325	6166	0	492	514	95 -	1	510	1225	1733
UN05949	Rsa1.0_02858.1	1046	27246	0	375	380	98 +	666	1044	1688	2064
UN05950	Rsa1.0_01883.1	1551	37661	1.00E-130	307	326	94 -	1221	1539	13162	13482
UN05951	Rsa1.0_06073.1	1345	11807	0	653	677	96 +	663	1339	4362	5024
UN05952	Rsa1.0_00423.1	761	86138	0	408	419	97 +	33	451	38231	38646
UN05953	Rsa1.0_05181.1	1265	14574	0	861	899	95 +	147	1035	234	1132
UN05954	Rsa1.0_00567.1	1179	75260	0	378	399	94 -	767	1148	31710	32108
UN05955	Rsa1.0_01286.1	781	49209	0	749	780	96 +	1	780	6167	6928
UN05956	Rsa1.0_00163.1	964	116847	0	843	869	97 -	3	869	28990	29855
UN05957	Rsa1.0_00472.1	1070	398134	1.00E-166	319	325	98 -	1	325	3801	4124
UN05958	Rsa1.0_01898.1	931	37491	0	465	476	97 +	10	484	1562	2036
UN05959	Rsa1.0_06485.1	1386	10929	0	359	365	98 +	579	943	2190	2554
UN05960	Rsa1.0_00549.1	357	76473	1.00E-47	141	155	90 -	5	159	34751	34897
UN05961	Rsa1.0_02961.1	997	26435	0	881	888	99 -	1	888	15306	16193
UN05962	Rsa1.0_29119.1	1244	792	0	474	488	97 -	601	1088	143	630
UN05963	Rsa1.0_01081.1	1340	499226	0	1115	1180	94 -	177	1338	18453	19620
UN05964	Rsa1.0_01857.1	807	38103	0	617	632	97 +	4	635	25188	25815
UN05965	Rsa1.0_02529.1	881	30437	8.00E-79	168	174	96 -	424	597	22816	22989

UN05966	Rsa1.0_00251.1	1708	303968	3.00E-64	126	126	100 -	143	268	102992	103117
UN05967	Rsa1.0_00286.1	696	98709	1.00E-103	190	190	100 -	303	492	12496	12685
UN05968	Rsa1.0_07396.1	852	9465	0	569	572	99 +	2	573	68	639
UN05969	Rsa1.0_02276.1	1308	33098	0	1123	1184	94 -	1	1177	12207	13388
UN05970	Rsa1.0_00069.1	919	403561	0	665	666	99 +	252	917	22792	23457
UN05971	Rsa1.0_01895.1	767	37512	0	753	771	97 +	1	765	25882	26651
UN05972	Rsa1.0_00316.1	984	96264	0	464	488	95 +	24	504	30625	31108
UN05973	Rsa1.0_02358.1	1631	32213	1.00E-168	349	370	94 +	1281	1631	12217	12586
UN05974	Rsa1.0_01389.1	1267	46716	5.00E-53	128	135	94 +	613	747	16433	16567
UN05975	Rsa1.0_03728.1	1366	21147	1.00E-174	403	433	93 +	1	427	667	1092
UN05976	Rsa1.0_00504.1	683	79334	0	638	650	98 -	7	655	62846	63494
UN05977	Rsa1.0_03520.1	753	22327	1.00E-106	275	299	91 +	455	752	10242	10539
UN05978	Rsa1.0_00190.1	577	318240	2.00E-87	177	180	98 +	43	222	280521	280699
UN05979	Rsa1.0_03588.1	837	21908	1.00E-161	335	350	95 -	489	835	3145	3494
UN05980	Rsa1.0_00179.1	1149	393324	1.00E-123	256	265	96 -	1	265	218140	218403
UN05981	Rsa1.0_03711.1	799	21237	0	464	470	98 -	1	466	20005	20473
UN05982	Rsa1.0_02257.1	837	33318	0	322	322	100 -	346	667	7615	7936
UN05983	Rsa1.0_02855.1	809	27271	0	375	383	97 -	333	715	10359	10741
UN05984	Rsa1.0_00088.1	769	141341	1.00E-124	274	288	95 +	76	359	19012	19299
UN05985	Rsa1.0_01112.1	1482	310601	0	344	348	98 +	1135	1482	176919	177266
UN05986	Rsa1.0_00741.1	1056	66117	0	1021	1079	94 -	1	1054	33376	34444
UN05987	Rsa1.0_56800.1	523	403	0	403	403	100 -	10	412	1	403
UN05988	Rsa1.0_00899.1	1445	60404	0	1437	1441	99 -	5	1444	17545	18984
UN05989	Rsa1.0_00578.1	1227	74581	0	357	357	100 +	871	1227	18938	19294
UN05990	Rsa1.0_02515.1	1299	30616	1.00E-138	249	249	100 +	1049	1297	3055	3303
UN05991	Rsa1.0_02404.1	1077	31702	0	1040	1086	95 -	1	1075	12816	13901
UN05992	Rsa1.0_03567.1	2251	22049	0	401	416	96 -	40	455	21196	21602
UN05993	Rsa1.0_42819.1	866	525	0	451	456	98 +	1	456	70	525
UN05994	Rsa1.0_00301.1	1104	365315	0	1098	1101	99 +	3	1103	85605	86705
UN05995	Rsa1.0_00604.1	730	146282	0	423	436	97 -	2	434	16045	16478
UN05996	Rsa1.0_00944.1	1076	58733	0	379	381	99 -	1	381	54332	54712
UN05997	Rsa1.0_00471.1	1514	81897	0	737	746	98 +	3	744	34504	35249
UN05998	Rsa1.0_00633.1	1514	71250	0	497	519	95 -	1	519	24438	24938
UN05999	Rsa1.0_00743.1	823	177459	0	785	838	93 -	2	823	6117	6942
UN06000	Rsa1.0_18177.1	834	1651	1.00E-126	266	276	96 -	562	834	744	1019
UN06001	Rsa1.0_01090.1	1283	54385	0	558	596	93 -	2	583	45269	45856
UN06002	Rsa1.0_13438.1	806	4828	0	657	678	96 -	110	784	4127	4802
UN06003	Rsa1.0_38359.1	1126	587	0	393	397	98 +	193	589	1	397
UN06004	Rsa1.0_04018.1	914	19551	0	449	454	98 -	423	875	2468	2921

UN06005	Rsa1.0.06008.1	779	11950	1.00E-117	218	219	99 -	538	756	1917	2135
UN06006	Rsa1.0.00098.1	1086	349239	0	636	651	97 -	3	653	344507	345157
UN06007	Rsa1.0.00938.1	1104	193891	0	596	596	100 -	1	596	188142	188737
UN06008	Rsa1.0.01046.1	1211	152989	0	470	471	99 +	476	946	142322	142791
UN06009	Rsa1.0.00767.1	828	64980	1.00E-92	176	177	99 +	1	177	12733	12909
UN06010	Rsa1.0.01402.1	1199	46509	0	950	1033	91 -	2	1034	18403	19435
UN06011	Rsa1.0.01249.1	1380	188432	0	404	415	97 -	3	416	174715	175126
UN06012	Rsa1.0.01904.1	549	37450	0	540	543	99 +	2	543	1918	2460
UN06013	Rsa1.0.07446.1	1198	9384	0	1027	1056	97 -	3	1056	1226	2273
UN06014	Rsa1.0.02003.1	1053	36171	0	719	752	95 -	140	891	19755	20506
UN06015	Rsa1.0.00017.1	1398	752458	0	560	584	95 +	815	1398	416373	416956
UN06016	Rsa1.0.01958.1	808	261128	1.00E-129	304	330	92 -	3	326	1802	2119
UN06017	Rsa1.0.02027.1	900	35869	0	784	784	100 +	1	784	27289	28072
UN06018	Rsa1.0.07304.1	937	9579	0	791	813	97 -	4	815	7455	8264
UN06019	Rsa1.0.03292.1	768	23977	0	743	768	96 -	2	768	13615	14374
UN06020	Rsa1.0.00250.1	705	273771	0	535	535	100 -	170	704	223434	223968
UN06021	Rsa1.0.00065.1	1247	454616	0	1215	1244	97 +	7	1246	414610	415847
UN06022	Rsa1.0.00350.1	1236	92346	0	406	425	95 -	2	421	51776	52197
UN06023	Rsa1.0.00552.1	862	206757	0	398	418	95 +	3	417	195140	195549
UN06024	Rsa1.0.00287.1	1016	98687	1.00E-175	513	574	89 -	398	964	29725	30293
UN06025	Rsa1.0.00689.1	851	68305	1.00E-180	347	356	97 +	395	750	42469	42824
UN06026	Rsa1.0.00154.1	938	189461	1.00E-115	252	262	96 +	3	262	20401	20660
UN06027	Rsa1.0.00067.1	1335	415055	0	474	474	100 +	862	1335	250853	251326
UN06028	Rsa1.0.02860.1	1035	27207	1.00E-169	305	306	99 +	2	307	24990	25295
UN06029	Rsa1.0.00351.1	1599	413096	0	459	473	97 +	412	884	393233	393705
UN06030	Rsa1.0.07861.1	740	8406	0	472	487	96 -	255	740	4280	4758
UN06031	Rsa1.0.02430.1	879	31506	0	559	598	93 +	92	685	12980	13576
UN06032	Rsa1.0.00387.1	942	495407	1.00E-100	204	210	97 -	600	809	337148	337357
UN06033	Rsa1.0.00278.1	1385	231896	1.00E-124	288	303	95 +	3	298	152569	152870
UN06034	Rsa1.0.00584.1	615	74295	0	590	593	99 +	22	613	31159	31751
UN06035	Rsa1.0.20534.1	1508	1295	1.00E-112	215	218	98 +	951	1168	813	1030
UN06036	Rsa1.0.05878.1	1110	12344	1.00E-156	337	350	96 -	759	1108	8159	8501
UN06037	Rsa1.0.01335.1	965	47894	1.00E-133	244	245	99 +	309	553	423	667
UN06038	Rsa1.0.14042.1	933	3881	0	901	910	99 -	25	933	2972	3881
UN06039	Rsa1.0.00044.1	1232	271658	0	752	803	93 +	452	1229	164316	165117
UN06040	Rsa1.0.00414.1	770	202190	1.00E-113	238	247	96 -	180	426	79780	80020
UN06041	Rsa1.0.00911.1	1307	59943	0	548	574	95 +	578	1150	51133	51703
UN06042	Rsa1.0.07831.1	784	8461	0	514	518	99 +	267	784	5029	5546
UN06043	Rsa1.0.00112.1	1351	132199	0	539	539	100 +	773	1311	84794	85332

UN06044	Rsa1.0_14881.1	1178	2995	1.00E-120	420	481	87 -	15	490	2323	2786
UN06045	Rsa1.0_03345.1	1285	23590	1.00E-108	291	326	89 -	5	322	21924	22228
UN06046	Rsa1.0_00073.1	1612	240924	1.00E-161	336	350	96 -	3	349	183586	183929
UN06047	Rsa1.0_19964.1	1724	1359	0	440	447	98 +	194	638	371	817
UN06048	Rsa1.0_00092.1	1297	659932	1.00E-138	303	317	95 -	1	317	626655	626968
UN06049	Rsa1.0_01651.1	1039	41586	0	1005	1034	97 -	6	1039	31227	32257
UN06050	Rsa1.0_01422.1	848	46172	1.00E-107	210	214	98 -	1	214	36174	36387
UN06051	Rsa1.0_01581.1	1046	42833	0	1016	1031	98 +	16	1046	5053	6082
UN06052	Rsa1.0_20335.1	922	1316	0	526	528	99 -	395	922	671	1198
UN06053	Rsa1.0_06542.1	851	10805	0	412	413	99 +	439	851	8536	8948
UN06054	Rsa1.0_00409.1	966	146788	1.00E-115	214	215	99 +	525	739	95483	95697
UN06055	Rsa1.0_01444.1	503	169539	0	496	501	99 +	3	503	12619	13119
UN06056	Rsa1.0_40774.1	1325	550	1.00E-167	356	369	96 -	924	1286	182	550
UN06057	Rsa1.0_00722.1	1008	66840	1.00E-179	327	330	99 -	293	622	50627	50956
UN06058	Rsa1.0_00480.1	709	81325	1.00E-154	276	276	100 -	282	557	53555	53830
UN06059	Rsa1.0_05630.1	799	13129	0	751	763	98 -	37	799	4058	4820
UN06060	Rsa1.0_01021.1	1838	56610	0	1673	1731	96 -	114	1838	38654	40384
UN06061	Rsa1.0_05153.1	860	14663	1.00E-129	249	253	98 +	611	860	2743	2995
UN06062	Rsa1.0_00302.1	587	97521	1.00E-143	276	282	97 -	306	587	82334	82615
UN06063	Rsa1.0_04032.1	1245	19489	0	476	495	96 -	751	1245	6286	6776
UN06064	Rsa1.0_00014.1	1285	348985	0	640	644	99 +	644	1283	164648	165291
UN06065	Rsa1.0_00128.1	911	228675	0	870	924	94 -	1	911	68778	69684
UN06066	Rsa1.0_00149.1	1509	305196	0	389	397	97 -	1114	1509	26603	26998
UN06067	Rsa1.0_00758.1	975	65477	0	342	345	99 -	628	972	33817	34160
UN06068	Rsa1.0_01903.1	2190	37451	0	842	852	98 +	1338	2189	34532	35383
UN06069	Rsa1.0_01192.1	1529	51150	0	396	414	95 +	1061	1473	23563	23976
UN06070	Rsa1.0_00038.1	1472	314568	1.00E-141	258	259	99 +	576	834	166217	166475
UN06071	Rsa1.0_01761.1	1161	39717	4.00E-35	122	137	89 -	905	1041	1436	1572
UN06072	Rsa1.0_08002.1	851	8094	0	701	735	95 -	2	724	4197	4931
UN06073	Rsa1.0_01850.1	1214	162224	0	457	467	97 +	1	467	10270	10736
UN06074	Rsa1.0_01739.1	1547	40068	1.00E-112	210	211	99 +	263	473	9878	10088
UN06075	Rsa1.0_03581.1	1299	21965	1.00E-165	298	299	99 +	3	301	14211	14509
UN06076	Rsa1.0_00817.1	677	62961	1.00E-152	288	293	98 -	385	677	37013	37305
UN06077	Rsa1.0_00152.1	687	257730	1.00E-98	233	249	93 +	32	280	200278	200523
UN06078	Rsa1.0_01029.1	1067	256254	0	368	375	98 +	3	377	241022	241396
UN06079	Rsa1.0_00519.1	1712	197864	0	526	529	99 +	358	885	53017	53545
UN06080	Rsa1.0_01234.1	1474	50183	1.00E-171	308	309	99 -	1166	1474	25998	26306
UN06081	Rsa1.0_00608.1	1446	172672	0	774	786	98 -	627	1404	163174	163958
UN06082	Rsa1.0_00469.1	615	82084	0	613	613	100 +	3	615	56540	57152

UN06083	Rsa1.0_00089.1	1219	406142	0	1032	1063	97 -	159	1219	299835	300895
UN06084	Rsa1.0_00289.1	797	98620	1.00E-150	286	290	98 +	508	797	97044	97332
UN06085	Rsa1.0_00382.1	791	251946	0	731	761	96 -	3	762	63466	64225
UN06086	Rsa1.0_01206.1	1504	50772	0	779	826	94 -	106	902	27195	28020
UN06087	Rsa1.0_02955.1	2188	26484	0	1229	1254	98 +	249	1500	16651	17899
UN06088	Rsa1.0_08762.1	952	6947	1.00E-142	280	288	97 +	1	288	2440	2727
UN06089	Rsa1.0_03671.1	1146	21459	0	387	387	100 -	2	388	9838	10224
UN06090	Rsa1.0_00136.1	626	122464	1.00E-101	247	264	93 +	20	282	110531	110793
UN06091	Rsa1.0_01042.1	1006	293264	0	927	958	96 -	50	1006	137012	137961
UN06092	Rsa1.0_03572.1	1108	146346	0	873	886	98 -	3	888	141058	141943
UN06093	Rsa1.0_00476.1	1522	280966	0	626	634	98 -	3	636	214536	215169
UN06094	Rsa1.0_00100.1	650	249232	4.00E-98	256	279	91 -	375	643	21279	21557
UN06095	Rsa1.0_01990.1	775	36431	0	490	490	100 +	286	775	3552	4041
UN06096	Rsa1.0_01070.1	816	55099	1.00E-110	203	203	100 -	612	814	31368	31570
UN06097	Rsa1.0_03298.1	924	23956	0	466	490	95 +	435	924	20879	21362
UN06098	Rsa1.0_02922.1	711	26753	1.00E-132	274	285	96 +	1	285	8804	9084
UN06099	Rsa1.0_03241.1	1226	24423	1.00E-141	272	277	98 +	3	279	3186	3459
UN06100	Rsa1.0_08933.1	656	6772	1.00E-152	273	273	100 -	382	654	5565	5837
UN06101	Rsa1.0_00165.1	685	116466	0	523	554	94 +	1	548	93786	94339
UN06102	Rsa1.0_01588.1	1117	42724	5.00E-96	196	199	98 -	62	260	33164	33360
UN06103	Rsa1.0_01116.1	1158	142088	0	380	394	96 -	763	1154	119063	119455
UN06104	Rsa1.0_00087.1	1482	761073	0	1069	1095	97 +	1	1093	214392	215486
UN06105	Rsa1.0_00492.1	927	80178	0	774	796	97 -	132	927	63645	64433
UN06106	Rsa1.0_00281.1	1474	99908	0	1001	1113	89 +	350	1448	96671	97757
UN06107	Rsa1.0_00043.1	951	264937	1.00E-176	317	318	99 -	634	951	142234	142551
UN06108	Rsa1.0_00734.1	1785	66508	1.00E-169	336	346	97 +	1440	1785	6513	6857
UN06109	Rsa1.0_01411.1	437	46326	0	431	442	97 +	3	437	29720	30161
UN06110	Rsa1.0_01081.1	821	499226	1.00E-167	304	306	99 +	516	821	473293	473598
UN06111	Rsa1.0_00894.1	1396	269700	0	842	854	98 +	542	1395	124967	125816
UN06112	Rsa1.0_09661.1	883	6226	1.00E-134	243	243	100 -	635	877	761	1003
UN06113	Rsa1.0_00012.1	1164	222148	0	429	429	100 -	736	1164	12400	12828
UN06114	Rsa1.0_00123.1	1149	325650	0	590	613	96 +	3	603	246068	246680
UN06115	Rsa1.0_20598.1	1540	1289	0	486	496	97 -	3	498	1	490
UN06116	Rsa1.0_01535.1	985	43750	0	530	537	98 +	446	981	23633	24169
UN06117	Rsa1.0_05633.1	1128	13118	0	703	712	98 -	418	1128	4525	5236
UN06118	Rsa1.0_01139.1	1095	52601	0	407	410	99 -	3	410	1259	1668
UN06119	Rsa1.0_00071.1	767	345714	1.00E-129	235	235	100 +	458	692	19342	19576
UN06120	Rsa1.0_02362.1	774	32190	0	355	360	98 -	408	765	24786	25145
UN06121	Rsa1.0_02041.1	1238	163634	0	750	796	94 +	216	1011	30110	30889

UN06122	Rsa1.0.07660.1	1424	8891	0	827	833	99 +	594	1424	7634	8466
UN06123	Rsa1.0.01234.1	1255	50183	0	883	889	99 +	1	889	19600	20488
UN06124	Rsa1.0.24918.1	1457	961	0	641	672	95 -	790	1457	290	961
UN06125	Rsa1.0.00026.1	976	327835	2.00E-82	159	160	99 -	117	276	5346	5505
UN06126	Rsa1.0.02919.1	1160	26780	0	377	384	98 +	774	1155	7688	8071
UN06127	Rsa1.0.00067.1	992	415055	0	759	822	92 -	163	953	175393	176214
UN06128	Rsa1.0.00030.1	755	250988	1.00E-131	240	241	99 +	509	749	156217	156457
UN06129	Rsa1.0.00016.1	959	831256	1.00E-83	167	170	98 -	785	954	436547	436716
UN06130	Rsa1.0.01435.1	751	45942	3.00E-78	203	221	91 -	127	347	44559	44779
UN06131	Rsa1.0.01179.1	927	51549	0	807	862	93 +	77	927	17298	18151
UN06132	Rsa1.0.02003.1	697	36171	0	692	695	99 +	1	695	20698	21391
UN06133	Rsa1.0.00162.1	1119	239935	1.00E-114	251	262	95 -	842	1100	23302	23559
UN06134	Rsa1.0.04192.1	1058	18572	0	1051	1057	99 +	1	1056	12192	13248
UN06135	Rsa1.0.14434.1	1161	3394	8.00E-58	184	206	89 -	782	985	2574	2779
UN06136	Rsa1.0.07837.1	830	8449	0	419	433	96 +	1	433	6439	6870
UN06137	Rsa1.0.00277.1	1478	100132	0	1304	1305	99 +	1	1305	16011	17315
UN06138	Rsa1.0.02396.1	744	31783	0	533	561	95 -	183	742	18385	18945
UN06139	Rsa1.0.01502.1	677	44519	0	362	368	98 +	1	368	8033	8397
UN06140	Rsa1.0.63151.1	842	363	0	322	322	100 +	519	840	8	329
UN06141	Rsa1.0.00069.1	957	403561	1.00E-152	288	293	98 +	601	893	179274	179566
UN06142	Rsa1.0.00284.1	785	323267	0	760	801	94 +	3	785	261441	262240
UN06143	Rsa1.0.16332.1	824	2195	0	819	822	99 -	1	822	568	1387
UN06144	Rsa1.0.00206.1	1358	109040	0	632	633	99 -	724	1356	95667	96299
UN06145	Rsa1.0.00048.1	1115	167185	1.00E-154	285	288	98 +	1	288	4871	5158
UN06146	Rsa1.0.10067.1	410	6015	1.00E-139	254	255	99 +	2	256	707	961
UN06147	Rsa1.0.02987.1	1482	26196	0	628	645	97 -	21	665	21354	21998
UN06148	Rsa1.0.01581.1	931	42833	0	396	400	99 -	531	929	32418	32815
UN06149	Rsa1.0.06892.1	1223	10197	0	744	754	98 +	468	1221	1	746
UN06150	Rsa1.0.00050.1	807	237174	0	573	573	100 +	1	573	28502	29074
UN06151	Rsa1.0.00382.1	642	251946	1.00E-171	307	308	99 +	1	308	34541	34848
UN06152	Rsa1.0.05614.1	819	13191	0	804	823	97 -	3	819	2077	2898
UN06153	Rsa1.0.00190.1	896	318240	0	476	501	95 +	3	499	314286	314786
UN06154	Rsa1.0.02097.1	983	35036	0	375	376	99 -	607	982	4257	4632
UN06155	Rsa1.0.01565.1	800	155447	0	795	798	99 +	3	800	146476	147272
UN06156	Rsa1.0.00339.1	1301	222974	0	618	627	98 +	589	1215	74938	75564
UN06157	Rsa1.0.37661.1	1294	598	0	585	598	97 -	455	1050	1	598
UN06158	Rsa1.0.01077.1	905	54772	1.00E-141	299	311	96 +	1	310	10739	11048
UN06159	Rsa1.0.01590.1	1241	42719	0	633	636	99 -	2	637	26643	27278
UN06160	Rsa1.0.00637.1	1326	71038	7.00E-80	357	421	84 +	885	1303	17759	18174

UN06161	Rsa1.0.00277.1	1374	100132	1.00E-174	372	391	95 -	3	392	76194	76584
UN06162	Rsa1.0.00125.1	1244	253043	0	635	646	98 +	131	775	232140	232785
UN06163	Rsa1.0.03843.1	1074	20496	1.00E-102	293	327	89 -	35	361	4472	4790
UN06164	Rsa1.0.00058.1	907	159921	0	902	906	99 +	1	906	81117	82022
UN06165	Rsa1.0.00127.1	864	127446	0	417	423	98 -	442	864	105773	106195
UN06166	Rsa1.0.03290.1	982	24011	1.00E-147	276	280	98 +	703	982	4892	5171
UN06167	Rsa1.0.03167.1	926	24858	0	402	402	100 -	1	402	5682	6083
UN06168	Rsa1.0.13724.1	816	4420	0	776	828	93 +	2	816	992	1814
UN06169	Rsa1.0.01835.1	562	38542	1.00E-169	360	375	96 -	1	372	20857	21228
UN06170	Rsa1.0.00048.1	890	167185	1.00E-149	328	347	94 +	1	347	7215	7559
UN06171	Rsa1.0.00697.1	514	67913	7.00E-75	143	143	100 +	247	389	43648	43790
UN06172	Rsa1.0.02309.1	1215	32744	0	715	719	99 +	2	720	18637	19353
UN06173	Rsa1.0.23904.1	1453	1018	0	802	812	98 -	1	812	53	861
UN06174	Rsa1.0.00802.1	1255	63846	0	1237	1254	98 -	1	1254	24183	25436
UN06175	Rsa1.0.03560.1	1417	22092	0	463	467	99 +	949	1415	11897	12363
UN06176	Rsa1.0.00154.1	1033	189461	1.00E-114	228	232	98 +	804	1033	169282	169512
UN06177	Rsa1.0.00341.1	850	249309	0	464	470	98 +	385	850	178139	178608
UN06178	Rsa1.0.06671.1	1235	10563	1.00E-171	311	313	99 -	3	315	6199	6511
UN06179	Rsa1.0.00616.1	660	195713	0	449	472	95 -	1	467	181777	182245
UN06180	Rsa1.0.01119.1	1340	53459	0	353	355	99 +	1	355	43241	43594
UN06181	Rsa1.0.00531.1	1809	77387	0	684	708	96 +	1105	1805	11646	12353
UN06182	Rsa1.0.07882.1	770	8363	1.00E-178	424	458	92 +	1	457	7179	7618
UN06183	Rsa1.0.02116.1	1097	34853	0	380	380	100 +	1	380	30559	30938
UN06184	Rsa1.0.05367.1	892	14010	0	359	359	100 -	531	889	864	1222
UN06185	Rsa1.0.75173.1	728	305	4.00E-34	75	75	100 -	652	726	231	305
UN06186	Rsa1.0.02599.1	1202	29660	1.00E-152	277	278	99 -	622	899	6935	7212
UN06187	Rsa1.0.02439.1	1425	31379	0	1407	1421	99 -	3	1423	8711	10131
UN06188	Rsa1.0.03172.1	1330	24816	0	452	453	99 +	877	1329	16988	17440
UN06189	Rsa1.0.00159.1	498	431686	0	480	486	98 -	12	497	228703	229188
UN06190	Rsa1.0.01487.1	1302	44784	1.00E-158	340	355	95 -	1	351	2584	2934
UN06191	Rsa1.0.00906.1	1411	178966	0	540	550	98 -	1	547	131974	132523
UN06192	Rsa1.0.02777.1	738	27986	0	391	408	95 -	5	411	18410	18817
UN06193	Rsa1.0.02146.1	1430	34625	1.00E-101	259	283	91 -	1156	1428	10460	10736
UN06194	Rsa1.0.01409.1	1047	151595	1.00E-162	339	354	95 -	382	734	133502	133855
UN06195	Rsa1.0.02269.1	762	33168	1.00E-176	325	328	99 -	1	326	16204	16531
UN06196	Rsa1.0.01539.1	1412	43698	0	669	678	98 -	2	677	4616	5293
UN06197	Rsa1.0.00087.1	789	761073	1.00E-161	321	330	97 -	1	330	190659	190984
UN06198	Rsa1.0.00092.1	996	659932	0	366	366	100 -	1	366	192222	192587
UN06199	Rsa1.0.00087.1	1015	761073	0	387	388	99 -	626	1013	621049	621436

UN06200	Rsa1.0.05870.1	1263	146055	0	593	608	97 -	5	611	6380	6985
UN06201	Rsa1.0.00016.1	1297	831256	0	943	963	97 +	3	960	375561	376517
UN06202	Rsa1.0.00077.1	769	145005	1.00E-169	307	309	99 -	3	311	71685	71993
UN06203	Rsa1.0.11811.1	909	5401	0	889	899	98 +	2	899	3772	4668
UN06204	Rsa1.0.04254.1	969	18258	0	675	698	96 -	275	969	13998	14695
UN06205	Rsa1.0.30865.1	892	742	1.00E-151	272	272	100 -	2	273	1	272
UN06206	Rsa1.0.00601.1	947	177045	0	694	712	97 -	2	709	168330	169041
UN06207	Rsa1.0.02435.1	1062	31454	0	1015	1062	95 -	1	1062	27541	28602
UN06208	Rsa1.0.05842.1	1174	12461	0	1100	1131	97 -	44	1172	10200	11328
UN06209	Rsa1.0.00542.1	1079	76831	0	478	495	96 -	17	511	35582	36076
UN06210	Rsa1.0.04102.1	995	19048	0	364	366	99 +	1	366	18258	18623
UN06211	Rsa1.0.02991.1	1264	26178	0	811	812	99 -	1	812	12893	13704
UN06212	Rsa1.0.01674.1	1005	168300	0	640	660	96 -	21	678	19673	20330
UN06213	Rsa1.0.01137.1	630	52655	1.00E-123	230	232	99 -	256	487	51348	51579
UN06214	Rsa1.0.02319.1	566	32580	1.00E-145	261	261	100 +	1	261	6481	6741
UN06215	Rsa1.0.02142.1	1331	34633	0	352	361	97 +	914	1274	27753	28110
UN06216	Rsa1.0.01857.1	632	38103	0	411	434	94 -	25	448	4693	5124
UN06217	Rsa1.0.01591.1	1129	42718	0	893	896	99 -	1	896	25166	26061
UN06218	Rsa1.0.00577.1	1198	174827	1.00E-114	213	214	99 +	716	929	137715	137928
UN06219	Rsa1.0.14881.1	1093	2995	0	457	466	98 -	1	465	2323	2787
UN06220	Rsa1.0.01646.1	1009	41735	1.00E-101	229	243	94 -	1	243	16887	17129
UN06221	Rsa1.0.00040.1	709	324196	0	425	430	98 +	94	523	51764	52192
UN06222	Rsa1.0.12205.1	598	5289	1.00E-149	302	311	97 +	2	312	331	634
UN06223	Rsa1.0.01386.1	855	46765	0	474	486	97 -	368	853	19943	20427
UN06224	Rsa1.0.00964.1	1351	316648	0	847	853	99 -	500	1349	311189	312041
UN06225	Rsa1.0.02212.1	689	33840	1.00E-144	263	264	99 -	3	266	30764	31027
UN06226	Rsa1.0.01513.1	1044	44234	0	895	904	99 +	141	1044	41225	42128
UN06227	Rsa1.0.00104.1	976	368722	3.00E-78	223	245	91 -	189	431	201374	201618
UN06228	Rsa1.0.00323.1	1069	159650	0	582	588	98 -	1	588	114114	114701
UN06229	Rsa1.0.00897.1	1135	60498	0	560	574	97 -	1	574	38106	38677
UN06230	Rsa1.0.00215.1	1489	201775	0	495	522	94 -	1	519	50928	51434
UN06231	Rsa1.0.01667.1	1198	41315	1.00E-35	105	114	92 -	336	449	1948	2061
UN06232	Rsa1.0.00816.1	1318	403350	1.00E-148	300	310	96 +	20	328	398603	398912
UN06233	Rsa1.0.00045.1	791	328694	0	493	498	98 +	1	498	131720	132215
UN06234	Rsa1.0.06488.1	816	141774	0	607	662	91 -	69	720	5997	6651
UN06235	Rsa1.0.00504.1	1353	79334	0	765	783	97 -	3	781	24076	24857
UN06236	Rsa1.0.01520.1	1002	44087	0	946	958	98 +	5	960	39576	40532
UN06237	Rsa1.0.02394.1	925	31789	3.00E-32	84	88	95 +	290	377	5746	5833
UN06238	Rsa1.0.02565.1	1150	30046	1.00E-132	314	341	92 +	1	337	25157	25485

UN06239	Rsa1.0.00009.1	1031	232558	0	958	996	96 -	24	1016	138126	139110
UN06240	Rsa1.0.00237.1	1347	235974	1.00E-166	296	296	100 -	3	298	192337	192632
UN06241	Rsa1.0.00151.1	1318	119541	0	645	658	98 -	1	658	13346	14003
UN06242	Rsa1.0.04646.1	814	16541	0	399	415	96 +	106	520	443	857
UN06243	Rsa1.0.04123.1	721	18947	0	687	721	95 +	3	721	11838	12545
UN06244	Rsa1.0.00570.1	1395	75002	0	728	728	100 -	3	730	31697	32424
UN06245	Rsa1.0.01898.1	956	37491	0	460	474	97 +	483	956	6437	6910
UN06246	Rsa1.0.04076.1	1404	19209	1.00E-179	321	322	99 +	2	323	8158	8479
UN06247	Rsa1.0.16298.1	1315	2209	0	551	562	98 -	656	1217	473	1034
UN06248	Rsa1.0.03044.1	928	25791	0	468	476	98 -	453	927	5744	6219
UN06249	Rsa1.0.01403.1	783	46453	0	407	407	100 -	1	407	3064	3470
UN06250	Rsa1.0.05867.1	1055	12375	0	1048	1065	98 +	1	1052	10454	11518
UN06251	Rsa1.0.00362.1	521	299497	0	512	519	98 -	3	521	9630	10145
UN06252	Rsa1.0.00201.1	631	232851	0	390	396	98 -	237	631	72600	72994
UN06253	Rsa1.0.00906.1	785	178966	1.00E-163	309	314	98 +	1	312	135566	135879
UN06254	Rsa1.0.02889.1	764	27019	0	599	605	99 -	160	764	8081	8685
UN06255	Rsa1.0.67781.1	1248	338	3.00E-94	176	176	100 -	316	491	160	335
UN06256	Rsa1.0.01441.1	1198	45790	0	339	341	99 -	858	1198	26449	26789
UN06257	Rsa1.0.00632.1	895	183777	1.00E-177	315	315	100 -	4	318	152593	152907
UN06258	Rsa1.0.02779.1	897	27968	0	614	616	99 -	282	897	10303	10918
UN06259	Rsa1.0.16628.1	813	2085	0	752	760	98 -	1	760	1322	2081
UN06260	Rsa1.0.00476.1	999	280966	0	357	358	99 -	641	998	236866	237223
UN06261	Rsa1.0.10516.1	418	5818	1.00E-109	217	221	98 -	110	329	4536	4756
UN06262	Rsa1.0.04528.1	1278	16958	1.00E-168	300	300	100 +	454	753	14192	14491
UN06263	Rsa1.0.00387.1	365	495407	0	346	353	98 -	12	364	389014	389366
UN06264	Rsa1.0.00077.1	1511	145005	0	1462	1498	97 -	2	1497	19276	20768
UN06265	Rsa1.0.05594.1	1177	13229	0	1167	1175	99 -	2	1176	4045	5219
UN06266	Rsa1.0.02306.1	910	32776	0	822	827	99 -	85	910	21208	22034
UN06267	Rsa1.0.01126.1	811	53127	1.00E-178	332	336	98 +	443	777	50776	51111
UN06268	Rsa1.0.00347.1	520	93048	0	517	521	99 -	3	520	66841	67361
UN06269	Rsa1.0.00067.1	1096	415055	0	740	758	97 +	3	748	247373	248130
UN06270	Rsa1.0.00453.1	1323	83031	1.00E-158	284	284	100 +	3	286	79184	79467
UN06271	Rsa1.0.05023.1	582	15105	0	580	580	100 +	3	582	8579	9158
UN06272	Rsa1.0.03435.1	659	22958	1.00E-143	284	293	96 +	274	566	21985	22277
UN06273	Rsa1.0.00378.1	1161	89892	0	419	420	99 +	742	1161	81481	81900
UN06274	Rsa1.0.00748.1	891	65983	1.00E-125	263	276	95 +	1	267	14299	14574
UN06275	Rsa1.0.01276.1	648	49384	0	645	648	99 -	1	648	24952	25599
UN06276	Rsa1.0.05221.1	947	14452	1.00E-77	148	148	100 -	1	148	8530	8677
UN06277	Rsa1.0.02753.1	613	28215	0	580	620	93 +	1	611	8121	8728

UN06278	Rsa1.0_00425.1	1735	147080	0	701	722	97 +	615	1327	106336	107057
UN06279	Rsa1.0_00454.1	1960	216970	0	508	519	97 +	1444	1956	10708	11226
UN06280	Rsa1.0_00154.1	694	189461	0	501	525	95 +	180	694	171027	171546
UN06281	Rsa1.0_00044.1	1371	271658	0	444	452	98 +	54	505	44363	44814
UN06282	Rsa1.0_00479.1	1363	81377	0	1002	1021	98 -	1	1021	80363	81371
UN06283	Rsa1.0_02421.1	1372	31579	0	517	535	96 -	806	1340	8466	9000
UN06284	Rsa1.0_07474.1	1332	9294	0	1219	1224	99 +	111	1331	4914	6137
UN06285	Rsa1.0_02928.1	776	26680	1.00E-180	360	371	97 -	391	761	17090	17458
UN06286	Rsa1.0_00678.1	714	193163	0	377	383	98 +	334	714	164828	165210
UN06287	Rsa1.0_01092.1	815	54348	2.00E-69	137	138	99 +	402	539	51202	51339
UN06288	Rsa1.0_41382.1	1059	543	0	366	369	99 +	209	577	1	369
UN06289	Rsa1.0_00304.1	1176	97429	1.00E-118	232	237	97 -	426	662	25354	25590
UN06290	Rsa1.0_21578.1	1458	1190	1.00E-173	317	319	99 -	1142	1458	526	844
UN06291	Rsa1.0_00440.1	883	84723	1.00E-164	325	335	97 -	548	882	25067	25398
UN06292	Rsa1.0_00549.1	1257	76473	0	804	823	97 -	2	815	42366	43188
UN06293	Rsa1.0_02077.1	794	35328	1.00E-111	219	224	97 +	367	590	19971	20194
UN06294	Rsa1.0_01171.1	1108	51752	1.00E-110	210	211	99 +	3	212	51542	51752
UN06295	Rsa1.0_00742.1	846	66106	0	328	328	100 -	519	846	16522	16849
UN06296	Rsa1.0_01567.1	970	43090	0	965	968	99 -	3	970	25446	26413
UN06297	Rsa1.0_00921.1	1019	59599	0	1014	1021	99 +	3	1019	29788	30808
UN06298	Rsa1.0_00168.1	563	115870	0	427	450	94 -	115	563	90769	91213
UN06299	Rsa1.0_00425.1	1575	147080	0	728	728	100 +	2	729	110296	111023
UN06300	Rsa1.0_00655.1	742	195840	0	354	361	98 -	11	371	168054	168412
UN06301	Rsa1.0_00369.1	499	266462	0	381	381	100 +	119	499	136393	136773
UN06302	Rsa1.0_00007.1	939	239325	1.00E-123	261	272	95 +	585	854	13415	13686
UN06303	Rsa1.0_10792.1	827	5719	1.00E-166	330	340	97 -	487	826	1327	1664
UN06304	Rsa1.0_01940.1	754	37073	1.00E-159	324	334	97 +	420	752	9146	9475
UN06305	Rsa1.0_00522.1	1145	78103	1.00E-101	200	204	98 +	307	510	35226	35429
UN06306	Rsa1.0_00616.1	1134	195713	0	471	472	99 -	663	1134	183059	183530
UN06307	Rsa1.0_05526.1	954	13431	0	697	706	98 +	230	935	5038	5741
UN06308	Rsa1.0_03728.1	1409	21147	0	405	408	99 -	1002	1409	687	1092
UN06309	Rsa1.0_01832.1	806	38581	0	708	715	99 -	91	800	31912	32625
UN06310	Rsa1.0_00497.1	898	79830	0	398	400	99 +	499	898	67322	67720
UN06311	Rsa1.0_05623.1	1813	13141	0	981	1019	96 -	1	1004	10323	11339
UN06312	Rsa1.0_01131.1	1047	52928	1.00E-117	246	255	96 +	228	482	685	938
UN06313	Rsa1.0_00095.1	611	283384	0	609	609	100 +	3	611	23215	23823
UN06314	Rsa1.0_00762.1	1328	165246	0	424	425	99 +	904	1328	25166	25590
UN06315	Rsa1.0_00077.1	1151	145005	0	773	773	100 -	2	774	109765	110537
UN06316	Rsa1.0_01928.1	1289	37192	0	391	395	98 -	896	1289	6981	7375

UN06317	Rsa1.0.00645.1	1556	189716	0	325	325	100 +	703	1027	150795	151119
UN06318	Rsa1.0.01008.1	1022	56924	0	416	433	96 -	519	951	12453	12875
UN06319	Rsa1.0.00104.1	1131	368722	2.00E-89	217	232	93 -	860	1080	334705	334936
UN06320	Rsa1.0.00100.1	1469	249232	0	1057	1078	98 -	347	1424	195789	196862
UN06321	Rsa1.0.02975.1	738	26322	1.00E-145	304	315	96 +	3	317	16518	16827
UN06322	Rsa1.0.01261.1	704	49744	2.00E-79	176	184	95 -	349	532	43082	43261
UN06323	Rsa1.0.00284.1	1572	323267	0	1240	1285	96 -	295	1570	261975	263256
UN06324	Rsa1.0.00377.1	788	90038	0	447	449	99 +	3	451	25239	25686
UN06325	Rsa1.0.03750.1	1550	21027	0	352	354	99 +	1196	1549	5932	6285
UN06326	Rsa1.0.08439.1	1204	7353	0	813	814	99 +	391	1204	6315	7128
UN06327	Rsa1.0.00403.1	1246	87701	0	484	501	96 -	416	916	26353	26847
UN06328	Rsa1.0.04059.1	1037	19323	0	337	342	98 -	256	597	12352	12693
UN06329	Rsa1.0.00115.1	882	131321	0	330	332	99 +	551	882	36126	36457
UN06330	Rsa1.0.00356.1	836	91521	0	473	486	97 +	353	836	5207	5691
UN06331	Rsa1.0.00201.1	774	232851	0	756	767	98 -	8	774	140321	141087
UN06332	Rsa1.0.00479.1	1634	81377	0	1080	1131	95 -	502	1632	62298	63422
UN06333	Rsa1.0.00079.1	879	606987	1.00E-168	334	344	97 -	532	875	464203	464545
UN06334	Rsa1.0.00024.1	862	188018	0	853	862	98 +	1	862	37289	38149
UN06335	Rsa1.0.00034.1	681	260119	3.00E-90	245	273	89 -	115	387	157135	157389
UN06336	Rsa1.0.00016.1	668	831256	0	584	635	91 +	27	660	766975	767589
UN06337	Rsa1.0.01220.1	1441	161775	0	1374	1438	95 +	2	1436	112913	114349
UN06338	Rsa1.0.01606.1	1510	42432	0	662	672	98 -	840	1510	39525	40195
UN06339	Rsa1.0.05338.1	1368	144511	0	424	440	96 -	145	584	6891	7318
UN06340	Rsa1.0.01382.1	1573	46877	0	462	476	97 +	3	466	11323	11798
UN06341	Rsa1.0.19648.1	1442	1403	0	626	631	99 +	3	633	773	1403
UN06342	Rsa1.0.01185.1	1067	149842	0	1048	1066	98 -	2	1066	7338	8401
UN06343	Rsa1.0.00215.1	958	201775	0	383	388	98 +	19	403	25528	25915
UN06344	Rsa1.0.01252.1	1322	49847	0	402	403	99 -	918	1320	35397	35799
UN06345	Rsa1.0.02345.1	537	32337	1.00E-144	269	271	99 +	267	535	17017	17287
UN06346	Rsa1.0.00003.1	1482	340054	0	519	525	98 -	6	529	278263	278787
UN06347	Rsa1.0.01559.1	666	43262	1.00E-172	342	353	96 -	315	664	28796	29148
UN06348	Rsa1.0.00999.1	1412	57162	0	1406	1415	99 +	2	1412	38126	39540
UN06349	Rsa1.0.09504.1	956	6328	0	670	670	100 -	287	956	4335	5004
UN06350	Rsa1.0.00710.1	986	67325	1.00E-105	235	247	95 +	4	245	25381	25627
UN06351	Rsa1.0.00037.1	1251	307838	0	462	465	99 -	788	1251	241190	241654
UN06352	Rsa1.0.01779.1	713	39448	0	691	692	99 -	22	713	16688	17379
UN06353	Rsa1.0.05569.1	954	13311	1.00E-142	265	268	98 -	382	649	5786	6053
UN06354	Rsa1.0.01611.1	939	42269	0	367	370	99 -	571	939	24989	25358
UN06355	Rsa1.0.04166.1	752	18757	0	387	394	98 +	3	394	6382	6771

UN06356	Rsa1.0_02812.1	977	27660	1.00E-25	136	161	84 -	270	430	13956	14116
UN06357	Rsa1.0_03906.1	1489	20161	0	1008	1011	99 -	479	1489	10588	11598
UN06358	Rsa1.0_00216.1	701	197563	0	626	640	97 +	65	701	91238	91877
UN06359	Rsa1.0_00087.1	1022	761073	0	389	405	96 -	278	682	731598	732002
UN06360	Rsa1.0_02180.1	825	34176	0	458	479	95 +	353	825	8790	9268
UN06361	Rsa1.0_00758.1	1074	65477	0	461	464	99 +	611	1074	18698	19161
UN06362	Rsa1.0_04064.1	1248	19297	0	1090	1117	97 +	129	1245	16324	17435
UN06363	Rsa1.0_02808.1	1073	27677	1.00E-176	359	373	96 +	626	998	22072	22437
UN06364	Rsa1.0_04397.1	991	17555	0	951	1021	93 -	2	991	4497	5513
UN06365	Rsa1.0_08380.1	901	7446	1.00E-135	244	244	100 -	658	901	2655	2898
UN06366	Rsa1.0_03241.1	797	24423	1.00E-92	173	173	100 +	3	175	13639	13811
UN06367	Rsa1.0_01276.1	1204	49384	0	552	552	100 +	3	554	23020	23571
UN06368	Rsa1.0_01373.1	764	47052	0	741	758	97 -	2	755	9293	10050
UN06369	Rsa1.0_00803.1	1306	144228	3.00E-91	187	191	97 -	890	1080	2731	2920
UN06370	Rsa1.0_00139.1	1337	357786	0	421	422	99 -	916	1337	24405	24826
UN06371	Rsa1.0_09320.1	836	6457	1.00E-160	307	314	97 +	521	834	1368	1681
UN06372	Rsa1.0_07311.1	1436	9567	0	1419	1433	99 -	3	1435	4643	6075
UN06373	Rsa1.0_00155.1	1374	118465	1.00E-160	286	286	100 +	611	896	104732	105017
UN06374	Rsa1.0_00708.1	888	67366	0	553	554	99 +	86	639	23908	24461
UN06375	Rsa1.0_01471.1	1212	45101	0	485	500	97 -	717	1212	18495	18994
UN06376	Rsa1.0_01883.1	931	37661	2.00E-73	173	185	93 -	481	665	32860	33035
UN06377	Rsa1.0_01727.1	1196	40243	1.00E-167	343	355	96 +	17	369	11162	11516
UN06378	Rsa1.0_03216.1	1321	24540	0	881	918	95 +	1	915	21424	22339
UN06379	Rsa1.0_02874.1	957	27070	4.00E-62	168	181	92 -	766	943	1710	1890
UN06380	Rsa1.0_02114.1	1299	34873	1.00E-113	221	224	98 -	1	224	13073	13295
UN06381	Rsa1.0_00981.1	1010	57700	1.00E-137	257	260	98 -	3	262	15605	15864
UN06382	Rsa1.0_01254.1	1611	49801	0	821	822	99 -	1	821	15174	15995
UN06383	Rsa1.0_01214.1	1314	50599	0	860	915	93 +	24	924	2332	3228
UN06384	Rsa1.0_00207.1	606	248736	0	600	604	99 -	1	604	14991	15594
UN06385	Rsa1.0_03561.1	830	22089	1.00E-119	231	234	98 +	200	432	10198	10431
UN06386	Rsa1.0_01483.1	1716	44826	0	398	405	98 +	1	403	22082	22486
UN06387	Rsa1.0_00007.1	725	239325	0	344	344	100 -	347	690	118158	118501
UN06388	Rsa1.0_01464.1	1066	45193	4.00E-87	211	226	93 -	675	900	16256	16478
UN06389	Rsa1.0_00044.1	1647	271658	0	970	1071	90 +	566	1634	69278	70308
UN06390	Rsa1.0_00123.1	972	325650	0	591	626	94 -	68	678	262756	263381
UN06391	Rsa1.0_00089.1	538	406142	0	500	517	96 -	26	536	80693	81207
UN06392	Rsa1.0_14037.1	1372	3887	0	894	928	96 -	1	928	1	926
UN06393	Rsa1.0_06166.1	1276	11583	0	532	540	98 +	354	888	7173	7711
UN06394	Rsa1.0_01248.1	772	154103	0	752	770	97 -	2	767	7034	7803

UN06395	Rsa1.0_00076.1	648	146021	0	618	671	92 -	2	648	76062	76718
UN06396	Rsa1.0_02457.1	989	31208	0	441	465	94 +	1	456	12457	12914
UN06397	Rsa1.0_00180.1	881	114581	0	373	383	97 +	1	379	89956	90335
UN06398	Rsa1.0_01173.1	847	51727	1.00E-129	360	395	91 -	1	390	27024	27409
UN06399	Rsa1.0_00396.1	606	88242	1.00E-118	311	341	91 -	144	484	65465	65795
UN06400	Rsa1.0_02503.1	577	30709	4.00E-67	136	138	98 -	254	391	26114	26251
UN06401	Rsa1.0_03019.1	1476	25987	0	636	648	98 -	525	1172	575	1222
UN06402	Rsa1.0_02930.1	1362	26668	0	1305	1362	95 -	3	1362	8680	10020
UN06403	Rsa1.0_00273.1	1027	326186	1.00E-104	335	378	88 +	488	855	34780	35151
UN06404	Rsa1.0_08655.1	1159	7078	1.00E-135	287	301	95 +	3	303	4143	4443
UN06405	Rsa1.0_00240.1	982	104175	0	896	940	95 -	1	938	72298	73237
UN06406	Rsa1.0_00019.1	937	301669	0	663	696	95 +	4	682	88347	89039
UN06407	Rsa1.0_00457.1	1766	337301	0	499	569	87 +	102	652	302544	303076
UN06408	Rsa1.0_00033.1	917	515811	1.00E-128	306	326	93 -	1	326	469201	469519
UN06409	Rsa1.0_00571.1	1267	329018	0	772	803	96 -	321	1120	145042	145844
UN06410	Rsa1.0_00536.1	1427	77199	0	375	390	96 +	1042	1427	23555	23944
UN06411	Rsa1.0_03521.1	1578	396204	0	481	488	98 -	450	937	15137	15624
UN06412	Rsa1.0_02099.1	1344	35030	1.00E-147	376	412	91 +	936	1343	2291	2689
UN06413	Rsa1.0_01081.1	798	499226	0	776	802	96 -	2	798	318588	319386
UN06414	Rsa1.0_01262.1	1106	178815	0	610	626	97 -	1	623	11265	11890
UN06415	Rsa1.0_00118.1	572	130637	0	560	566	98 -	1	566	36394	36959
UN06416	Rsa1.0_00739.1	1586	66155	0	508	509	99 -	3	511	6859	7367
UN06417	Rsa1.0_00582.1	1182	74333	0	1126	1162	96 +	23	1169	39429	40587
UN06418	Rsa1.0_01061.1	874	55349	1.00E-155	287	290	98 +	585	874	28685	28974
UN06419	Rsa1.0_03752.1	1195	21022	1.00E-134	246	247	99 +	946	1192	1341	1587
UN06420	Rsa1.0_01382.1	770	46877	0	424	424	100 -	1	424	13890	14313
UN06421	Rsa1.0_01039.1	1334	55946	0	1265	1299	97 +	1	1293	37312	38608
UN06422	Rsa1.0_00114.1	1084	131330	0	706	711	99 +	373	1082	85728	86436
UN06423	Rsa1.0_00136.1	729	122464	1.00E-109	365	417	87 +	3	410	81360	81754
UN06424	Rsa1.0_00658.1	1296	69740	0	770	806	95 +	3	802	11737	12534
UN06425	Rsa1.0_01945.1	792	36989	0	771	793	97 -	1	791	31362	32153
UN06426	Rsa1.0_03992.1	1086	19675	0	1071	1088	98 -	1	1084	14276	15356
UN06427	Rsa1.0_01359.1	851	47271	0	361	368	98 -	1	362	21247	21614
UN06428	Rsa1.0_00341.1	1530	249309	0	440	447	98 -	3	446	243047	243493
UN06429	Rsa1.0_00136.1	753	122464	0	429	444	96 +	7	449	60388	60829
UN06430	Rsa1.0_00208.1	1035	108565	1.00E-163	300	303	99 +	93	395	7689	7991
UN06431	Rsa1.0_00326.1	922	171955	0	574	579	99 -	1	577	16257	16834
UN06432	Rsa1.0_03517.1	1412	22337	0	1207	1226	98 +	2	1222	2988	4213
UN06433	Rsa1.0_00806.1	1129	63674	0	1082	1128	95 -	3	1128	47284	48407

UN06434	Rsa1.0.05709.1	713	12867	0	391	399	97 -	6	403	327	724
UN06435	Rsa1.0.00215.1	1685	201775	0	887	900	98 -	3	902	78157	79055
UN06436	Rsa1.0.00419.1	1106	86562	1.00E-120	329	365	90 -	751	1104	13956	14303
UN06437	Rsa1.0.02209.1	913	33873	1.00E-172	330	337	97 +	1	334	26621	26957
UN06438	Rsa1.0_38359.1	949	587	1.00E-128	238	240	99 -	608	847	1	240
UN06439	Rsa1.0_07377.1	841	9494	1.00E-174	321	325	98 +	461	785	6338	6662
UN06440	Rsa1.0.08080.1	695	137363	1.00E-129	273	283	96 +	414	695	1006	1283
UN06441	Rsa1.0.00018.1	1344	410899	0	832	930	89 -	329	1245	144212	145136
UN06442	Rsa1.0.00002.1	752	601661	0	731	754	96 -	2	752	177388	178141
UN06443	Rsa1.0.00888.1	729	60978	0	534	595	89 -	9	571	50445	51030
UN06444	Rsa1.0.01144.1	856	52431	3.00E-41	90	91	98 -	380	470	17706	17796
UN06445	Rsa1.0.08215.1	1057	7711	0	517	527	98 +	22	545	3655	4181
UN06446	Rsa1.0.01272.1	748	49553	1.00E-159	319	329	96 -	1	329	12117	12444
UN06447	Rsa1.0.00019.1	579	301669	1.00E-130	239	240	99 +	1	240	53770	54009
UN06448	Rsa1.0.00278.1	1159	231896	0	750	770	97 -	327	1092	25555	26321
UN06449	Rsa1.0.01173.1	1454	51727	0	390	392	99 -	1065	1454	25002	25393
UN06450	Rsa1.0.00156.1	837	118383	0	522	540	96 -	85	623	56991	57529
UN06451	Rsa1.0_14725.1	908	3125	0	538	552	97 +	356	906	1471	2022
UN06452	Rsa1.0.02317.1	750	32600	0	737	746	98 +	3	748	12707	13451
UN06453	Rsa1.0.00369.1	1065	266462	0	519	562	92 -	1	553	180846	181403
UN06454	Rsa1.0.01139.1	839	52601	1.00E-108	387	444	87 -	1	423	50365	50805
UN06455	Rsa1.0.00267.1	562	101509	0	415	419	99 -	1	419	32068	32486
UN06456	Rsa1.0_72343.1	1034	317	2.00E-67	134	135	99 -	423	557	29	163
UN06457	Rsa1.0.00451.1	1585	322533	0	527	548	96 -	1018	1565	261558	262097
UN06458	Rsa1.0_17324.1	797	1861	1.00E-147	271	273	99 +	525	797	379	651
UN06459	Rsa1.0.00909.1	1486	59976	0	372	381	97 +	1104	1484	34722	35102
UN06460	Rsa1.0.01949.1	1061	36960	1.00E-172	357	375	95 -	695	1060	16875	17249
UN06461	Rsa1.0.00221.1	136	106972	6.00E-38	96	100	96 -	38	136	106735	106834
UN06462	Rsa1.0.00243.1	1011	103651	1.00E-139	299	313	95 +	61	369	46401	46713
UN06463	Rsa1.0.00332.1	1246	94575	0	447	478	93 -	97	561	59905	60380
UN06464	Rsa1.0.00083.1	1007	442773	0	858	905	94 +	22	926	359544	360429
UN06465	Rsa1.0.02268.1	1320	33172	1.00E-154	318	329	96 -	2	329	16898	17225
UN06466	Rsa1.0.02494.1	786	132923	0	438	450	97 -	3	451	132101	132548
UN06467	Rsa1.0.03005.1	1104	26082	0	1097	1108	99 +	2	1104	12260	13364
UN06468	Rsa1.0.03860.1	705	20407	3.00E-93	238	260	91 +	52	311	14095	14347
UN06469	Rsa1.0.01315.1	840	48361	0	623	645	96 +	2	643	45698	46341
UN06470	Rsa1.0.00487.1	960	80674	0	516	525	98 +	230	752	70783	71306
UN06471	Rsa1.0.00048.1	694	167185	0	453	457	99 -	1	457	37243	37699
UN06472	Rsa1.0.00058.1	891	159921	0	867	876	98 +	15	890	104481	105356

UN06473	Rsa1.0.00037.1	1197	307838	0	663	678	97 -	1	678	192289	192964
UN06474	Rsa1.0.22665.1	716	1104	0	688	728	94 +	2	715	106	833
UN06475	Rsa1.0.01198.1	1056	51029	0	862	903	95 +	17	912	40402	41300
UN06476	Rsa1.0.00002.1	828	601661	0	490	521	94 +	283	793	177153	177673
UN06477	Rsa1.0.00115.1	1430	131321	0	401	418	95 -	1020	1430	49236	49653
UN06478	Rsa1.0.04247.1	1174	18295	0	587	634	92 -	465	1097	5069	5696
UN06479	Rsa1.0.00300.1	293	97747	1.00E-148	283	289	97 -	3	291	67357	67645
UN06480	Rsa1.0.00130.1	755	125737	1.00E-137	311	332	93 +	3	330	10704	11029
UN06481	Rsa1.0.00289.1	946	98620	0	894	909	98 +	39	946	58254	59161
UN06482	Rsa1.0.04229.1	1023	18389	0	966	1020	94 -	3	993	13747	14762
UN06483	Rsa1.0.19257.1	750	1455	1.00E-178	365	379	96 -	4	381	108	484
UN06484	Rsa1.0.10893.1	978	5687	0	523	523	100 +	455	977	236	758
UN06485	Rsa1.0.04210.1	741	18442	1.00E-163	294	295	99 -	439	733	1610	1904
UN06486	Rsa1.0.02211.1	1312	33857	1.00E-155	355	380	93 +	942	1312	32613	32992
UN06487	Rsa1.0.00873.1	982	61459	0	492	502	98 +	480	981	46323	46824
UN06488	Rsa1.0.37263.1	1033	605	0	581	606	95 -	371	973	1	605
UN06489	Rsa1.0.00976.1	1479	57809	0	1000	1016	98 -	197	1212	15917	16932
UN06490	Rsa1.0.00568.1	586	75219	1.00E-153	275	275	100 +	312	586	63277	63551
UN06491	Rsa1.0.00300.1	835	97747	1.00E-164	296	297	99 +	531	827	30484	30780
UN06492	Rsa1.0.01240.1	1221	50075	0	410	418	98 -	807	1221	40593	41009
UN06493	Rsa1.0.00298.1	1233	349131	0	472	477	98 +	2	478	331436	331912
UN06494	Rsa1.0.00679.1	766	68971	3.00E-96	194	199	97 +	358	556	33672	33870
UN06495	Rsa1.0.36989.1	616	610	1.00E-129	240	242	99 +	375	616	1	242
UN06496	Rsa1.0.00001.1	876	363028	1.00E-157	318	329	96 +	287	609	323550	323878
UN06497	Rsa1.0.00470.1	1240	81968	0	340	340	100 +	901	1240	50852	51191
UN06498	Rsa1.0.02161.1	1434	34459	0	1014	1060	95 -	2	1060	21364	22423
UN06499	Rsa1.0.00329.1	1288	222544	1.00E-156	292	296	98 +	993	1288	149718	150013
UN06500	Rsa1.0.00639.1	911	165873	0	556	565	98 +	15	572	107996	108560
UN06501	Rsa1.0.00464.1	1090	82253	0	452	453	99 -	636	1088	37148	37600
UN06502	Rsa1.0.00017.1	779	752458	1.00E-108	221	227	97 +	1	225	26740	26966
UN06503	Rsa1.0.06149.1	1345	11615	0	390	406	96 +	76	475	5349	5754
UN06504	Rsa1.0.00067.1	621	415055	1.00E-145	264	265	99 -	357	621	142400	142664
UN06505	Rsa1.0.02707.1	1075	28520	0	532	549	96 +	220	768	15178	15726
UN06506	Rsa1.0.00136.1	603	122464	9.00E-87	169	171	98 +	47	217	54790	54960
UN06507	Rsa1.0.00374.1	2524	165738	0	916	942	97 +	100	1039	101017	101952
UN06508	Rsa1.0.00218.1	841	201480	0	800	828	96 -	17	841	157964	158790
UN06509	Rsa1.0.00358.1	1047	91293	0	1034	1043	99 +	1	1043	88945	89987
UN06510	Rsa1.0.08929.1	1504	6777	0	451	458	98 -	1047	1504	368	825
UN06511	Rsa1.0.00055.1	1735	520193	1.00E-162	290	290	100 +	1446	1735	70791	71080

UN06512	Rsa1.0.00540.1	1241	76895	0	1225	1238	98 +	2	1239	62828	64065
UN06513	Rsa1.0.00086.1	601	439854	0	355	360	98 +	2	361	362071	362430
UN06514	Rsa1.0.01546.1	1341	43586	0	771	801	96 -	540	1339	33997	34797
UN06515	Rsa1.0.00043.1	1462	264937	0	1411	1461	96 -	1	1461	165208	166648
UN06516	Rsa1.0.04022.1	288	19534	6.00E-74	180	192	93 +	93	282	18148	18339
UN06517	Rsa1.0.01006.1	1340	163670	0	586	608	96 +	735	1340	119738	120336
UN06518	Rsa1.0.03168.1	928	24827	0	652	653	99 +	1	652	4395	5047
UN06519	Rsa1.0.02540.1	874	30344	1.00E-168	310	312	99 -	563	874	18312	18622
UN06520	Rsa1.0.01217.1	1202	50554	0	893	899	99 -	293	1191	22108	23006
UN06521	Rsa1.0.05221.1	979	14452	1.00E-145	277	282	98 -	698	979	9177	9458
UN06522	Rsa1.0.04478.1	845	17183	0	710	712	99 -	134	845	10162	10873
UN06523	Rsa1.0.00207.1	627	248736	0	546	548	99 -	81	627	194289	194836
UN06524	Rsa1.0.00015.1	937	561803	0	691	711	97 +	8	715	447119	447823
UN06525	Rsa1.0.02996.1	2544	26152	0	578	591	97 -	396	983	20697	21285
UN06526	Rsa1.0.11525.1	816	5479	0	566	630	89 +	1	630	4715	5343
UN06527	Rsa1.0.06127.1	1051	11675	0	623	629	99 -	374	1002	2866	3492
UN06528	Rsa1.0.00079.1	779	606987	0	761	780	97 -	1	779	187718	188494
UN06529	Rsa1.0.00789.1	497	64233	0	480	514	93 -	3	497	13047	13560
UN06530	Rsa1.0.08553.1	793	7210	1.00E-114	212	213	99 -	3	215	2666	2878
UN06531	Rsa1.0.00326.1	969	171955	0	389	403	96 -	568	969	66188	66589
UN06532	Rsa1.0.02851.1	1157	27295	0	375	391	95 -	23	413	18959	19346
UN06533	Rsa1.0.00630.1	1044	71281	1.00E-114	254	265	95 -	782	1044	34396	34658
UN06534	Rsa1.0.02310.1	659	32735	0	428	455	94 -	3	452	13010	13454
UN06535	Rsa1.0.00110.1	963	132719	0	637	655	97 -	1	655	115774	116428
UN06536	Rsa1.0.00165.1	535	116466	1.00E-151	292	299	97 -	237	535	4445	4743
UN06537	Rsa1.0.65061.1	792	352	1.00E-160	333	352	94 +	42	378	1	352
UN06538	Rsa1.0.00722.1	1463	66840	1.00E-151	307	315	97 +	851	1162	41419	41733
UN06539	Rsa1.0.01063.1	1417	55301	0	500	535	93 -	886	1414	16258	16779
UN06540	Rsa1.0.02392.1	1017	152517	1.00E-153	297	302	98 -	717	1017	25844	26143
UN06541	Rsa1.0.00132.1	1536	124299	0	498	518	96 +	276	791	99696	100209
UN06542	Rsa1.0.00816.1	1113	403350	1.00E-126	235	237	99 +	1	237	109947	110183
UN06543	Rsa1.0.01801.1	806	39094	0	510	535	95 -	1	529	20432	20966
UN06544	Rsa1.0.01529.1	606	43871	1.00E-147	350	381	91 -	226	606	38315	38678
UN06545	Rsa1.0.00065.1	971	454616	0	621	650	95 +	326	968	254496	255145
UN06546	Rsa1.0.09407.1	1284	6390	2.33E-156	269	271	99 -	2	272	4676	4946
UN06547	Rsa1.0.00964.1	1018	316648	0	396	408	97 -	611	1018	18327	18732
UN06548	Rsa1.0.01325.1	952	48131	5.00E-46	191	223	85 +	537	759	17631	17853
UN06549	Rsa1.0.00087.1	1384	761073	0	455	460	98 +	112	571	439545	440004
UN06550	Rsa1.0.01652.1	854	41579	0	705	708	99 -	5	712	1692	2399

UN06551	Rsa1.0.07604.1	600	9041	0	582	592	98 -	3	594	3098	3689
UN06552	Rsa1.0.00275.1	691	210104	4.00E-83	210	228	92 -	238	465	155730	155951
UN06553	Rsa1.0.00262.1	1356	101906	0	1222	1248	97 +	118	1356	44451	45698
UN06554	Rsa1.0.04552.1	886	16878	0	849	893	95 +	1	886	10057	10935
UN06555	Rsa1.0.03271.1	1165	24187	0	445	469	94 -	697	1163	1265	1716
UN06556	Rsa1.0.00201.1	620	232851	1.00E-177	329	334	98 +	4	337	92986	93319
UN06557	Rsa1.0.01360.1	864	47246	0	348	357	97 +	508	864	37242	37598
UN06558	Rsa1.0.00329.1	1203	222544	0	403	404	99 -	3	406	84859	85262
UN06559	Rsa1.0.00002.1	1475	601661	0	652	668	97 -	397	1064	278342	279009
UN06560	Rsa1.0.01608.1	1195	170540	0	366	366	100 -	385	750	35343	35708
UN06561	Rsa1.0.02069.1	713	35425	1.00E-141	335	360	93 -	293	642	20713	21072
UN06562	Rsa1.0.00231.1	642	105381	0	384	406	94 -	1	406	28173	28569
UN06563	Rsa1.0.05576.1	1471	13287	0	743	748	99 +	617	1364	7059	7805
UN06564	Rsa1.0.00589.1	1333	209965	0	466	482	96 +	852	1333	152952	153431
UN06565	Rsa1.0.00460.1	457	206387	1.00E-130	248	252	98 +	153	404	187529	187780
UN06566	Rsa1.0.05122.1	949	14791	0	573	584	98 +	2	584	4823	5406
UN06567	Rsa1.0.00810.1	443	63289	1.00E-75	177	188	94 -	14	201	19139	19326
UN06568	Rsa1.0.00842.1	737	62493	0	419	442	94 +	7	439	37528	37969
UN06569	Rsa1.0.01137.1	595	52655	1.00E-121	229	232	98 -	221	452	51348	51579
UN06570	Rsa1.0.00354.1	844	232005	0	410	428	95 +	25	452	194557	194983
UN06571	Rsa1.0.00104.1	1522	368722	0	1465	1484	98 +	41	1522	350829	352312
UN06572	Rsa1.0.00251.1	1096	303968	0	1039	1093	95 +	2	1093	10565	11655
UN06573	Rsa1.0.01847.1	777	38346	0	653	667	97 +	1	663	10548	11214
UN06574	Rsa1.0.01338.1	1301	155644	0	1067	1073	99 +	219	1291	123367	124439
UN06575	Rsa1.0.00037.1	1376	307838	0	415	432	96 +	555	982	148174	148601
UN06576	Rsa1.0.00048.1	763	167185	0	343	344	99 -	280	623	115727	116070
UN06577	Rsa1.0.04679.1	1245	16430	0	747	765	97 +	471	1229	1561	2319
UN06578	Rsa1.0.00382.1	1064	251946	0	628	639	98 +	383	1021	19589	20226
UN06579	Rsa1.0.69554.1	765	329	1.00E-162	318	325	97 +	275	598	6	329
UN06580	Rsa1.0.00384.1	903	89278	1.00E-162	322	333	96 -	1	333	62852	63184
UN06581	Rsa1.0.03000.1	843	26125	1.00E-166	408	445	91 +	278	707	7874	8318
UN06582	Rsa1.0.02808.1	1009	27677	0	946	1050	90 +	3	1008	16385	17416
UN06583	Rsa1.0.00262.1	861	101906	1.00E-147	368	401	91 -	13	398	33151	33551
UN06584	Rsa1.0.00813.1	892	63202	0	819	859	95 +	31	888	18471	19313
UN06585	Rsa1.0.02479.1	1152	31038	2.00E-95	216	228	94 -	458	682	15298	15525
UN06586	Rsa1.0.02288.1	1189	32984	0	472	481	98 -	708	1187	29812	30292
UN06587	Rsa1.0.05354.1	811	14073	0	569	599	94 +	68	660	4752	5350
UN06588	Rsa1.0.05161.1	779	14631	1.00E-138	321	345	93 +	13	357	8351	8695
UN06589	Rsa1.0.00673.1	1047	69325	0	421	435	96 +	613	1047	10045	10479

UN06590	Rsa1.0.03517.1	772	22337	1.00E-155	288	290	99 +	2	290	14570	14859
UN06591	Rsa1.0.01274.1	787	49419	1.00E-112	212	214	99 +	247	460	39937	40150
UN06592	Rsa1.0.04051.1	1551	19375	0	443	464	95 +	1090	1549	8731	9188
UN06593	Rsa1.0.05160.1	1465	14637	0	581	618	94 -	211	828	13452	14051
UN06594	Rsa1.0.00100.1	998	249232	3.00E-91	206	217	94 +	69	282	139414	139630
UN06595	Rsa1.0.00679.1	801	68971	1.00E-130	302	324	93 +	1	306	65779	66100
UN06596	Rsa1.0.13662.1	1181	4542	0	729	757	96 +	14	759	3398	4154
UN06597	Rsa1.0.07541.1	1288	9167	1.00E-134	519	611	84 -	140	750	5749	6359
UN06598	Rsa1.0.02496.1	618	30814	0	520	575	90 -	43	616	21060	21622
UN06599	Rsa1.0.00081.1	807	143261	0	638	668	95 -	17	666	136892	137559
UN06600	Rsa1.0.00224.1	902	327530	0	378	391	96 +	1	388	38875	39264
UN06601	Rsa1.0.08309.1	1169	7565	0	582	605	96 -	566	1169	5445	6039
UN06602	Rsa1.0.00916.1	767	59789	0	508	529	96 -	3	524	15473	15998
UN06603	Rsa1.0.03162.1	844	24895	0	801	834	96 +	9	842	20685	21508
UN06604	Rsa1.0.02681.1	688	28711	1.00E-124	294	312	94 -	75	384	20446	20753
UN06605	Rsa1.0.00301.1	863	365315	6.00E-98	215	226	95 +	8	228	165177	165402
UN06606	Rsa1.0.01303.1	930	48853	0	511	533	95 -	14	543	15249	15781
UN06607	Rsa1.0.04019.1	760	19550	0	737	757	97 -	4	760	14445	15199
UN06608	Rsa1.0.00344.1	785	191774	0	401	418	95 -	77	492	108987	109402
UN06609	Rsa1.0.01556.1	495	163858	0	476	515	92 -	1	495	160813	161316
UN06610	Rsa1.0.00690.1	787	140527	0	532	566	93 -	3	565	33220	33781
UN06611	Rsa1.0.00121.1	949	278029	1.00E-139	315	335	94 +	1	335	43403	43735
UN06612	Rsa1.0.08919.1	1332	6788	0	538	538	100 -	781	1318	5898	6435
UN06613	Rsa1.0.28998.1	1192	796	0	346	347	99 -	495	840	435	781
UN06614	Rsa1.0.01049.1	705	55655	1.00E-176	365	380	96 -	327	703	21138	21517
UN06615	Rsa1.0.05702.1	761	12884	1.00E-144	285	293	97 -	1	293	712	1001
UN06616	Rsa1.0.03738.1	1152	21071	1.00E-140	265	269	98 +	570	838	12425	12693
UN06617	Rsa1.0.02626.1	757	29387	0	427	451	94 +	1	444	22846	23293
UN06618	Rsa1.0.00087.1	994	761073	1.00E-138	389	431	90 +	32	448	98823	99250
UN06619	Rsa1.0.03581.1	1743	21965	0	413	420	98 +	3	422	21095	21514
UN06620	Rsa1.0.03981.1	1413	19724	0	1114	1159	96 +	10	1166	14310	15464
UN06621	Rsa1.0.03565.1	1360	22062	0	1102	1143	96 +	81	1223	17456	18590
UN06622	Rsa1.0.00988.1	846	57525	1.00E-123	257	264	97 +	1	263	27411	27672
UN06623	Rsa1.0.00705.1	1245	67505	1.00E-127	250	256	97 -	603	858	29792	30047
UN06624	Rsa1.0.00019.1	604	301669	0	597	600	99 +	3	601	43414	44013
UN06625	Rsa1.0.00825.1	670	62855	0	581	601	96 -	1	599	35580	36171
UN06626	Rsa1.0.01388.1	705	46741	0	658	676	97 -	7	681	7147	7820
UN06627	Rsa1.0.00947.1	859	58664	0	543	581	93 +	4	567	47242	47811
UN06628	Rsa1.0.02312.1	1539	32675	0	526	544	96 -	421	952	21111	21654

UN06629	Rsa1.0.01104.1	1504	285480	0	577	577	100 -	928	1504	283733	284309
UN06630	Rsa1.0.02282.1	896	163951	1.00E-114	216	218	99 +	287	504	149855	150072
UN06631	Rsa1.0.01969.1	1303	153351	1.00E-151	274	275	99 +	835	1109	13008	13282
UN06632	Rsa1.0.00758.1	986	65477	0	513	525	97 +	464	986	38591	39115
UN06633	Rsa1.0.04632.1	1250	16589	0	1218	1254	97 -	6	1250	10093	11343
UN06634	Rsa1.0.02835.1	1402	27491	2.33E-156	300	312	96 +	18	329	21937	22243
UN06635	Rsa1.0.04835.1	820	15766	1.00E-180	360	372	96 -	3	374	4608	4978
UN06636	Rsa1.0.18005.1	915	1691	1.00E-126	245	250	98 -	231	480	1	250
UN06637	Rsa1.0.03624.1	615	21706	0	494	514	96 -	1	509	12386	12899
UN06638	Rsa1.0.00107.1	728	431659	0	523	554	94 -	7	542	337025	337578
UN06639	Rsa1.0.00807.1	1008	63607	1.00E-103	200	203	98 -	688	890	46342	46544
UN06640	Rsa1.0.03029.1	1788	25858	0	535	557	96 -	537	1090	19494	20050
UN06641	Rsa1.0.00521.1	844	78191	0	423	452	93 -	1	450	64098	64531
UN06642	Rsa1.0.00675.1	728	145590	4.00E-52	209	246	84 +	472	705	140335	140580
UN06643	Rsa1.0.00001.1	983	363028	1.00E-110	265	285	92 -	671	952	190868	191142
UN06644	Rsa1.0.01949.1	845	36960	1.00E-137	280	291	96 +	555	845	21094	21384
UN06645	Rsa1.0.00365.1	905	90902	0	565	579	97 +	2	577	73446	74022
UN06646	Rsa1.0.00122.1	767	265937	0	749	760	98 -	1	760	9573	10332
UN06647	Rsa1.0.03569.1	1354	22041	1.00E-164	349	365	95 +	985	1348	14787	15149
UN06648	Rsa1.0.01710.1	865	40586	0	799	824	96 +	2	824	3521	4338
UN06649	Rsa1.0.04600.1	933	16694	1.00E-133	268	275	97 -	590	860	11338	11612
UN06650	Rsa1.0.00409.1	1428	146788	0	930	949	97 +	480	1427	90871	91819
UN06651	Rsa1.0.00019.1	947	301669	0	445	461	96 -	5	460	272068	272528
UN06652	Rsa1.0.02179.1	1487	34188	0	673	692	97 +	416	1107	24265	24956
UN06653	Rsa1.0.02625.1	754	139104	2.00E-91	225	238	94 -	6	242	8676	8909
UN06654	Rsa1.0.00215.1	1063	201775	1.00E-157	306	314	97 +	739	1052	19770	20083
UN06655	Rsa1.0.09067.1	1260	6672	1.00E-109	220	225	97 +	3	227	2354	2577
UN06656	#	#	#	#	#	#	#	#	#	#	#
UN06657	Rsa1.0.00187.1	1848	393093	0	649	677	95 -	9	685	208971	209647
UN06658	Rsa1.0.00541.1	907	76863	1.00E-77	208	227	91 -	668	892	9120	9341
UN06659	Rsa1.0.01419.1	985	167402	0	937	974	96 +	1	970	159804	160768
UN06660	Rsa1.0.00938.1	1119	193891	0	421	433	97 +	540	972	50229	50661
UN06661	Rsa1.0.01938.1	850	264018	0	577	609	94 +	2	606	159667	160265
UN06662	Rsa1.0.00982.1	641	57640	0	639	640	99 -	1	640	34050	34689
UN06663	Rsa1.0.14436.1	942	3393	0	537	562	95 +	7	560	2230	2791
UN06664	Rsa1.0.00198.1	860	222963	1.00E-179	358	369	97 +	3	367	17917	18285
UN06665	Rsa1.0.00175.1	1045	166121	0	356	362	98 -	683	1044	37710	38071
UN06666	Rsa1.0.19050.1	946	1488	1.00E-165	321	330	97 -	464	793	976	1305
UN06667	Rsa1.0.01466.1	786	45161	1.00E-160	303	307	98 -	1	307	28487	28792

UN06668	Rsa1.0.00512.1	1319	200277	1.00E-101	199	202	98 +	1116	1317	66192	66390
UN06669	Rsa1.0.00190.1	895	318240	0	395	413	95 +	1	410	211843	212253
UN06670	Rsa1.0.04064.1	695	19297	0	435	451	96 -	37	481	18501	18951
UN06671	Rsa1.0.01435.1	647	45942	0	377	392	96 -	1	388	28028	28419
UN06672	Rsa1.0.02367.1	1042	32106	0	806	839	96 +	1	838	11160	11995
UN06673	Rsa1.0.00330.1	910	94666	0	869	926	93 +	1	908	33158	34077
UN06674	Rsa1.0.01924.1	1384	37226	1.00E-145	271	274	98 -	841	1114	15462	15735
UN06675	Rsa1.0.07232.1	1544	9684	0	376	382	98 +	1164	1544	1213	1593
UN06676	Rsa1.0.00728.1	1055	66704	0	404	415	97 -	1	415	5094	5508
UN06677	Rsa1.0.01896.1	814	37512	0	457	478	95 -	344	813	6000	6477
UN06678	Rsa1.0.13705.1	592	4452	2.00E-93	232	249	93 +	2	247	2560	2803
UN06679	Rsa1.0.00592.1	1065	73788	3.00E-75	159	164	96 +	328	491	10983	11146
UN06680	Rsa1.0.00838.1	564	153820	0	510	524	97 +	1	522	52223	52744
UN06681	Rsa1.0.01707.1	1285	40686	0	641	659	97 +	482	1140	4816	5474
UN06682	Rsa1.0.02073.1	1263	35386	0	951	991	95 -	1	988	20440	21430
UN06683	Rsa1.0.11073.1	785	5625	1.00E-166	335	348	96 +	437	784	4853	5200
UN06684	Rsa1.0.05986.1	1031	12027	0	364	374	97 +	460	833	5450	5823
UN06685	Rsa1.0.00108.1	1201	478491	2.33E-156	372	402	92 -	2	397	463726	464122
UN06686	Rsa1.0.00802.1	786	63846	2.00E-73	147	149	98 +	4	152	14297	14445
UN06687	Rsa1.0.02490.1	821	30885	0	423	425	99 -	2	426	28607	29031
UN06688	Rsa1.0.01949.1	922	36960	1.00E-164	405	435	93 -	1	431	27763	28188
UN06689	Rsa1.0.01997.1	857	158416	0	631	644	97 -	4	644	145646	146287
UN06690	Rsa1.0.02710.1	1299	28492	1.00E-138	302	317	95 +	982	1297	25405	25715
UN06691	Rsa1.0.00171.1	754	115622	1.00E-162	334	347	96 +	410	752	52232	52578
UN06692	Rsa1.0.00622.1	906	71822	0	709	748	94 -	1	746	60939	61677
UN06693	Rsa1.0.01415.1	445	46263	1.00E-111	268	287	93 +	1	276	19591	19876
UN06694	Rsa1.0.01271.1	847	49569	0	470	484	97 -	354	836	27299	27781
UN06695	Rsa1.0.01064.1	896	55295	1.00E-137	291	304	95 +	2	304	43782	44085
UN06696	Rsa1.0.00087.1	1020	761073	0	955	956	99 -	7	962	35915	36870
UN06697	Rsa1.0.00951.1	1212	164588	1.00E-151	289	295	97 -	323	617	116154	116448
UN06698	Rsa1.0.02320.1	1460	32575	6.00E-99	253	276	91 -	1038	1313	22169	22444
UN06699	Rsa1.0.00866.1	1605	61676	0	1045	1049	99 +	559	1605	30351	31399
UN06700	Rsa1.0.01285.1	447	172709	0	438	447	97 -	3	447	156762	157208
UN06701	Rsa1.0.05418.1	499	13816	1.00E-94	242	265	91 -	245	497	1462	1725
UN06702	Rsa1.0.01612.1	849	42255	0	793	804	98 -	3	795	35219	36022
UN06703	Rsa1.0.01313.1	858	48387	0	554	569	97 -	2	570	2100	2666
UN06704	Rsa1.0.00879.1	796	61297	3.00E-93	259	279	92 +	528	796	38364	38642
UN06705	Rsa1.0.00312.1	1414	96765	0	359	363	98 -	1	363	25817	26178
UN06706	Rsa1.0.00576.1	737	178949	4.00E-83	178	185	96 -	253	437	3257	3441

UN06707	Rsa1.0.00620.1	1551	71985	0	487	502	97 -	213	714	55327	55828
UN06708	Rsa1.0.00269.1	789	341668	1.00E-155	293	298	98 +	241	538	18359	18656
UN06709	Rsa1.0.00596.1	782	73578	0	340	343	99 -	441	782	29144	29486
UN06710	Rsa1.0.07073.1	822	9944	0	817	822	99 +	1	822	66	887
UN06711	Rsa1.0.04768.1	1095	16066	0	1057	1094	96 +	2	1095	4357	5447
UN06712	Rsa1.0.14615.1	821	3224	0	799	812	98 -	10	821	2391	3202
UN06713	Rsa1.0.61124.1	935	375	4.00E-87	279	318	87 -	435	745	58	375
UN06714	Rsa1.0.00336.1	633	445051	0	572	595	96 -	40	633	174757	175351
UN06715	Rsa1.0.03995.1	1016	19654	1.00E-153	280	282	99 -	2	283	3701	3982
UN06716	Rsa1.0.00618.1	1240	72195	0	372	373	99 -	864	1236	3305	3677
UN06717	Rsa1.0.00286.1	1136	98709	0	642	691	92 -	350	1040	27069	27739
UN06718	Rsa1.0.01065.1	670	55264	0	500	519	96 -	153	669	30878	31396
UN06719	Rsa1.0.00023.1	1074	194764	1.00E-126	239	242	98 +	833	1074	70561	70802
UN06720	Rsa1.0.00026.1	1448	327835	1.00E-162	368	394	93 +	1041	1434	176398	176786
UN06721	Rsa1.0.00376.1	931	90101	0	880	929	94 +	12	931	13151	14076
UN06722	Rsa1.0.00324.1	1280	218805	0	540	547	98 +	1	544	864	1408
UN06723	Rsa1.0.00620.1	1943	71985	0	632	636	99 -	1	636	13154	13787
UN06724	Rsa1.0.06052.1	1107	11848	1.00E-145	358	390	91 -	614	1003	7486	7875
UN06725	Rsa1.0.01377.1	1096	46967	1.00E-173	352	363	96 +	735	1094	21581	21941
UN06726	Rsa1.0.07780.1	1612	8589	0	605	661	91 -	13	665	748	1386
UN06727	Rsa1.0.05751.1	1300	12733	0	566	568	99 -	733	1300	2681	3248
UN06728	Rsa1.0.00157.1	739	245832	0	721	745	96 -	2	738	216614	217358
UN06729	Rsa1.0.01749.1	1119	39822	1.00E-176	382	405	94 +	2	397	430	833
UN06730	Rsa1.0.35192.1	647	643	1.00E-104	243	256	94 -	6	259	40	293
UN06731	Rsa1.0.01147.1	928	52391	1.00E-110	272	300	90 -	633	928	46084	46362
UN06732	Rsa1.0.01051.1	934	55577	0	400	420	95 +	513	923	3695	4114
UN06733	Rsa1.0.01079.1	1381	54753	1.00E-143	299	312	95 -	1	309	24471	24782
UN06734	Rsa1.0.05051.1	1414	15018	1.00E-163	368	390	94 -	1039	1414	13927	14315
UN06735	Rsa1.0.00743.1	1606	177459	0	1287	1347	95 -	269	1605	6082	7416
UN06736	Rsa1.0.03356.1	686	23487	0	370	381	97 +	307	686	1225	1605
UN06737	Rsa1.0.07636.1	1205	8971	0	674	716	94 -	1	709	3559	4258
UN06738	Rsa1.0.01878.1	824	37768	0	481	486	98 +	340	824	27356	27841
UN06739	Rsa1.0.01674.1	931	168300	0	581	601	96 +	332	930	19673	20265
UN06740	Rsa1.0.00140.1	926	121541	0	698	707	98 +	172	878	83368	84074
UN06741	Rsa1.0.00360.1	764	91190	1.00E-153	296	303	97 -	4	306	78998	79300
UN06742	Rsa1.0.11556.1	1128	5471	1.00E-127	231	231	100 +	8	238	1100	1330
UN06743	Rsa1.0.00306.1	828	146760	0	350	354	98 -	100	453	136637	136990
UN06744	Rsa1.0.00661.1	679	213041	0	515	535	96 +	145	678	66549	67079
UN06745	Rsa1.0.02855.1	882	27271	0	540	573	94 +	319	881	10684	11254

UN06746	Rsa1.0_00241.1	1325	104000	0	428	441	97 +	249	689	11604	12041
UN06747	Rsa1.0_01121.1	885	53407	0	732	774	94 +	121	884	19076	19846
UN06748	Rsa1.0_03309.1	1880	23852	0	481	482	99 +	1	482	6302	6783
UN06749	Rsa1.0_02553.1	1732	30190	0	430	445	96 +	5	447	16579	17023
UN06750	Rsa1.0_00248.1	1447	163568	0	548	563	97 -	335	897	42448	43010
UN06751	Rsa1.0_02170.1	976	34352	0	488	493	98 -	6	497	18484	18976
UN06752	Rsa1.0_00922.1	771	59588	0	601	611	98 +	82	691	39245	39854
UN06753	Rsa1.0_17884.1	1297	1718	1.00E-109	265	286	92 -	886	1171	1433	1718
UN06754	Rsa1.0_00556.1	790	207212	0	403	418	96 -	339	746	147815	148232
UN06755	Rsa1.0_00002.1	1210	601661	3.00E-76	251	286	87 -	324	609	1864	2149
UN06756	Rsa1.0_00480.1	666	81325	0	371	375	98 +	291	665	1280	1653
UN06757	Rsa1.0_02650.1	513	29047	0	508	510	99 -	3	512	25808	26317
UN06758	Rsa1.0_02284.1	1217	33011	0	696	725	96 +	489	1213	13022	13731
UN06759	Rsa1.0_05943.1	1171	12158	0	361	374	96 +	275	648	1366	1739
UN06760	Rsa1.0_08388.1	1686	7436	0	1019	1086	93 +	2	1062	4673	5748
UN06761	Rsa1.0_01474.1	1195	45070	0	404	405	99 -	791	1195	197	601
UN06762	Rsa1.0_13748.1	860	4388	0	471	477	98 +	386	860	2775	3251
UN06763	Rsa1.0_01563.1	1024	170823	0	498	516	96 +	290	801	38791	39306
UN06764	Rsa1.0_01468.1	1039	45146	1.00E-80	162	165	98 +	645	809	13817	13981
UN06765	Rsa1.0_02474.1	1442	31076	0	692	693	99 +	1	692	164	856
UN06766	Rsa1.0_00101.1	1078	267193	0	929	932	99 -	147	1078	18795	19726
UN06767	Rsa1.0_01970.1	1163	36648	0	1124	1174	95 +	3	1163	30243	31413
UN06768	Rsa1.0_52123.1	751	436	1.00E-174	333	341	97 -	1	341	35	375
UN06769	Rsa1.0_00533.1	869	77375	0	824	872	94 -	1	866	49047	49917
UN06770	Rsa1.0_02513.1	977	30643	0	964	990	97 +	3	973	18771	19757
UN06771	Rsa1.0_00006.1	1370	396176	1.00E-170	404	436	92 +	675	1109	312060	312481
UN06772	Rsa1.0_07149.1	826	9824	0	415	426	97 -	408	824	820	1245
UN06773	Rsa1.0_00223.1	1425	106231	0	1059	1095	96 +	331	1421	2967	4060
UN06774	Rsa1.0_00065.1	949	454616	1.00E-131	259	266	97 -	2	267	144340	144605
UN06775	Rsa1.0_00342.1	849	93695	0	724	741	97 +	1	737	62330	63070
UN06776	Rsa1.0_01000.1	950	57140	1.00E-101	188	188	100 -	574	761	3798	3985
UN06777	Rsa1.0_02177.1	910	34262	0	433	441	98 +	389	829	10037	10474
UN06778	Rsa1.0_00078.1	742	175053	1.00E-129	251	255	98 -	3	256	46017	46271
UN06779	Rsa1.0_00134.1	826	390219	1.00E-123	258	269	95 +	211	479	4759	5027
UN06780	Rsa1.0_00046.1	741	320315	0	681	708	96 -	45	737	193705	194412
UN06781	Rsa1.0_07441.1	1036	9388	1.00E-154	285	288	98 +	748	1035	1725	2012
UN06782	Rsa1.0_00035.1	1491	176449	0	508	536	94 -	954	1487	41092	41624
UN06783	Rsa1.0_00058.1	1070	159921	0	482	520	92 +	555	1070	119077	119584
UN06784	Rsa1.0_00167.1	1550	116000	0	1066	1103	96 -	1	1103	33824	34925

UN06785	Rsa1.0.02931.1	987	26654	0	542	562	96 +	431	986	5953	6508
UN06786	Rsa1.0.02236.1	1006	33558	0	531	541	98 +	3	543	11373	11913
UN06787	Rsa1.0.00096.1	1491	198773	1.00E-157	284	285	99 +	1207	1491	173724	174008
UN06788	Rsa1.0.00033.1	760	515811	2.00E-73	206	226	91 -	7	223	35164	35388
UN06789	Rsa1.0.00157.1	1267	245832	0	641	649	98 -	613	1261	146800	147446
UN06790	Rsa1.0.03487.1	1518	22564	1.00E-156	299	304	98 +	1140	1443	1708	2010
UN06791	Rsa1.0.01179.1	743	51549	5.00E-27	81	87	93 -	642	728	42459	42545
UN06792	Rsa1.0.03990.1	557	19676	1.00E-102	227	236	96 -	48	283	8885	9116
UN06793	Rsa1.0.03773.1	914	20937	1.00E-112	377	434	86 +	36	469	7161	7594
UN06794	Rsa1.0.00025.1	826	277312	1.00E-138	267	273	97 +	156	428	115742	116014
UN06795	Rsa1.0.04323.1	1024	17915	5.00E-99	208	216	96 -	3	218	15646	15861
UN06796	Rsa1.0.01198.1	804	51029	0	432	453	95 -	341	793	43871	44312
UN06797	Rsa1.0.00016.1	1027	831256	0	583	583	100 +	1	583	17362	17944
UN06798	Rsa1.0.00237.1	1143	235974	1.00E-147	337	356	94 -	788	1143	17780	18131
UN06799	Rsa1.0.00054.1	1485	162053	0	1076	1107	97 +	320	1423	105351	106456
UN06800	Rsa1.0.07439.1	1097	9392	1.00E-149	268	268	100 +	329	596	4581	4848
UN06801	Rsa1.0.02074.1	1149	35370	0	461	496	92 -	655	1145	12043	12527
UN06802	Rsa1.0.00482.1	845	81162	3.00E-78	179	189	94 -	1	189	6470	6658
UN06803	Rsa1.0.03077.1	952	25558	1.00E-93	212	223	95 -	36	257	8108	8330
UN06804	Rsa1.0.00041.1	799	186197	5.00E-92	295	335	88 -	466	798	114770	115104
UN06805	Rsa1.0.01947.1	659	36977	0	399	409	97 +	1	407	23160	23567
UN06806	Rsa1.0.11621.1	1183	5457	0	824	876	94 +	250	1116	1	865
UN06807	Rsa1.0.00724.1	984	66789	1.00E-83	249	272	91 +	716	982	54634	54897
UN06808	Rsa1.0.00453.1	1345	83031	4.00E-94	194	200	97 -	900	1099	72257	72456
UN06809	Rsa1.0.00339.1	885	222974	0	503	533	94 -	351	883	202302	202834
UN06810	Rsa1.0.18657.1	1059	1558	1.00E-151	286	291	98 -	645	935	559	849
UN06811	Rsa1.0.16460.1	1270	2148	0	1060	1085	97 -	27	1107	1	1081
UN06812	Rsa1.0.00323.1	1345	159650	0	1281	1330	96 +	3	1330	154434	155762
UN06813	Rsa1.0.00977.1	935	198001	0	724	732	98 -	48	779	180527	181258
UN06814	Rsa1.0.00545.1	1119	189649	1.00E-164	328	337	97 +	374	707	35589	35925
UN06815	Rsa1.0.01289.1	236	49181	8.00E-45	101	104	97 +	130	233	6324	6427
UN06816	Rsa1.0.00498.1	1026	79746	0	708	727	97 +	300	1026	10335	11058
UN06817	Rsa1.0.07863.1	1112	8404	0	424	451	94 -	661	1110	961	1395
UN06818	Rsa1.0.00253.1	764	231292	0	404	434	93 +	1	434	16533	16942
UN06819	Rsa1.0.00301.1	645	365315	0	445	481	92 +	183	645	320945	321420
UN06820	Rsa1.0.04034.1	1162	19481	1.00E-137	257	260	98 -	691	950	12812	13071
UN06821	Rsa1.0.13604.1	1094	4657	2.00E-61	127	129	98 +	897	1025	4058	4186
UN06822	Rsa1.0.00645.1	1120	189716	0	1079	1122	96 -	1	1119	29581	30696
UN06823	Rsa1.0.00252.1	1254	102760	1.00E-141	325	347	93 -	8	351	64920	65253

UN06824	Rsa1.0_00524.1	1334	169613	2.00E-95	237	254	93 -	1	252	155579	155827
UN06825	Rsa1.0_01459.1	879	45277	0	835	878	95 +	1	875	35841	36705
UN06826	Rsa1.0_01416.1	768	46262	0	740	775	95 +	1	766	26511	27276
UN06827	Rsa1.0_03302.1	1073	23898	0	370	386	95 +	1	382	11619	11999
UN06828	Rsa1.0_00656.1	1275	69968	0	365	367	99 +	1	367	61879	62245
UN06829	Rsa1.0_03264.1	359	145959	1.00E-53	148	159	93 -	201	359	134684	134840
UN06830	Rsa1.0_01058.1	1161	55430	1.00E-118	236	240	98 -	487	724	28778	29017
UN06831	Rsa1.0_00149.1	1376	305196	1.00E-164	323	333	96 +	20	352	107014	107346
UN06832	Rsa1.0_03242.1	866	24415	0	411	424	96 +	26	448	1652	2074
UN06833	Rsa1.0_00825.1	1565	62855	0	880	947	92 -	590	1517	948	1894
UN06834	Rsa1.0_11435.1	1148	5508	0	585	600	97 -	7	605	4766	5359
UN06835	Rsa1.0_00400.1	1237	87858	0	378	384	98 +	1	384	54696	55078
UN06836	Rsa1.0_00615.1	912	72235	1.00E-129	277	291	95 +	7	297	45703	45993
UN06837	Rsa1.0_00244.1	1386	103590	0	1191	1251	95 +	1	1237	77047	78290
UN06838	Rsa1.0_01729.1	1631	304246	0	1065	1067	99 -	1	1067	283966	285032
UN06839	Rsa1.0_00760.1	1396	65267	0	614	668	91 -	164	818	36639	37296
UN06840	Rsa1.0_00329.1	736	222544	0	732	735	99 -	1	735	20350	21084
UN06841	Rsa1.0_01245.1	1087	149868	0	731	755	96 -	141	895	21270	22024
UN06842	Rsa1.0_02480.1	959	31036	0	401	407	98 -	1	405	4946	5351
UN06843	Rsa1.0_00483.1	1354	81102	1.00E-180	366	380	96 +	7	386	37176	37553
UN06844	Rsa1.0_02756.1	1161	28202	1.00E-106	220	227	96 -	82	306	15023	15249
UN06845	Rsa1.0_06770.1	1252	10389	0	705	728	96 +	5	732	4761	5487
UN06846	Rsa1.0_00770.1	842	64900	1.00E-149	323	340	95 -	501	840	9382	9720
UN06847	Rsa1.0_01559.1	1337	43262	0	687	703	97 -	333	1035	18985	19686
UN06848	Rsa1.0_00593.1	998	143463	0	502	502	100 +	1	502	59459	59960
UN06849	Rsa1.0_06054.1	677	11847	1.00E-157	329	340	96 -	1	340	1351	1685
UN06850	Rsa1.0_02605.1	1327	29637	1.00E-103	207	211	98 -	89	298	8473	8683
UN06851	Rsa1.0_03362.1	1220	23453	0	801	806	99 -	1	806	11300	12105
UN06852	Rsa1.0_02435.1	1342	31454	1.00E-154	346	367	94 -	1	366	17710	18074
UN06853	Rsa1.0_00215.1	789	201775	0	380	386	98 -	399	784	162468	162853
UN06854	Rsa1.0_06218.1	1341	11461	0	1316	1340	98 +	1	1340	5583	6919
UN06855	Rsa1.0_01844.1	744	38421	0	533	535	99 -	1	535	10289	10823
UN06856	Rsa1.0_02608.1	645	29613	0	458	482	95 -	164	645	23961	24438
UN06857	Rsa1.0_00131.1	861	432233	1.00E-128	279	289	96 -	8	293	412408	412695
UN06858	Rsa1.0_05618.1	1081	13165	1.00E-141	332	352	94 +	737	1079	7995	8343
UN06859	Rsa1.0_00084.1	1346	142338	1.00E-172	316	318	99 -	262	578	72082	72399
UN06860	Rsa1.0_00119.1	1361	467509	1.00E-129	268	278	96 -	2	279	390249	390525
UN06861	Rsa1.0_05061.1	1442	14960	0	560	581	96 -	855	1435	12558	13132
UN06862	Rsa1.0_04318.1	574	17947	1.00E-150	272	273	99 +	1	273	7746	8018

UN06863	Rsa1.0.03826.1	939	20614	0	442	446	99 +	38	483	10707	11152
UN06864	Rsa1.0.01129.1	963	52949	0	380	381	99 -	583	963	15840	16220
UN06865	Rsa1.0.00928.1	1918	59293	0	710	730	97 +	606	1334	8481	9207
UN06866	Rsa1.0.00507.1	1424	79074	0	409	416	98 -	525	940	59354	59769
UN06867	Rsa1.0.02784.1	1410	27881	0	800	820	97 +	591	1410	12596	13409
UN06868	Rsa1.0.49161.1	798	461	1.00E-113	248	259	95 +	42	295	6	262
UN06869	Rsa1.0.00721.1	1153	66918	1.00E-170	331	340	97 -	571	910	1020	1359
UN06870	Rsa1.0.00341.1	1228	249309	1.00E-168	384	407	94 +	1	404	125750	126149
UN06871	Rsa1.0.00122.1	1232	265937	1.00E-169	334	342	97 -	1	341	41203	41543
UN06872	Rsa1.0.00165.1	1192	116466	0	514	541	95 +	2	530	93799	94339
UN06873	Rsa1.0.00325.1	915	95371	1.00E-140	278	285	97 -	559	842	73729	74013
UN06874	Rsa1.0.00506.1	1452	79106	0	369	375	98 -	852	1226	19513	19887
UN06875	Rsa1.0.04250.1	1720	18264	0	1152	1157	99 -	1	1157	14687	15843
UN06876	Rsa1.0.06967.1	759	10093	0	479	492	97 +	262	753	7110	7601
UN06877	Rsa1.0.00064.1	1025	240927	2.00E-88	202	214	94 -	12	225	60195	60408
UN06878	Rsa1.0.00975.1	860	57865	0	414	424	97 -	1	424	6741	7161
UN06879	Rsa1.0.00605.1	1570	73199	1.00E-162	313	320	97 -	1251	1570	68945	69261
UN06880	Rsa1.0.00271.1	886	101125	0	455	498	91 +	38	519	26584	27065
UN06881	Rsa1.0.00429.1	1278	85559	1.00E-179	358	369	97 +	314	678	13508	13876
UN06882	Rsa1.0.01461.1	733	45240	0	703	733	95 -	1	733	27346	28074
UN06883	Rsa1.0.00324.1	1004	218805	2.00E-95	187	190	98 -	498	687	188774	188963
UN06884	Rsa1.0.00964.1	1349	316648	0	622	639	97 -	576	1214	158869	159501
UN06885	Rsa1.0.03090.1	963	25464	0	534	548	97 -	3	550	17603	18150
UN06886	Rsa1.0.00055.1	1370	520193	0	672	705	95 +	1	700	385970	386668
UN06887	Rsa1.0.01750.1	1106	39816	1.00E-135	254	257	98 +	66	322	25486	25742
UN06888	Rsa1.0.03927.1	1603	19997	0	452	455	99 +	1	455	10302	10756
UN06889	Rsa1.0.06643.1	1445	10615	0	542	545	99 +	308	852	8723	9267
UN06890	Rsa1.0.00125.1	953	253043	1.00E-119	238	242	98 +	712	953	183436	183675
UN06891	Rsa1.0.01701.1	908	162121	0	355	367	96 -	2	357	145137	145503
UN06892	Rsa1.0.00040.1	1139	324196	1.00E-177	415	451	92 -	286	736	171584	172016
UN06893	Rsa1.0.03081.1	1102	25523	0	485	495	97 +	362	856	19744	20238
UN06894	Rsa1.0.01230.1	1254	50221	0	441	441	100 +	2	442	20322	20762
UN06895	Rsa1.0.00265.1	1229	220635	1.00E-163	363	389	93 +	1	384	188871	189247
UN06896	Rsa1.0.00011.1	638	225044	0	613	637	96 -	1	637	222385	223003
UN06897	Rsa1.0.02128.1	1408	34758	1.00E-155	328	347	94 -	1	347	16324	16657
UN06898	Rsa1.0.01967.1	1012	36672	0	683	710	96 -	314	1012	15881	16589
UN06899	Rsa1.0.01378.1	1228	46959	0	543	550	98 +	1	550	12611	13159
UN06900	Rsa1.0.05509.1	637	13472	1.00E-166	566	641	88 +	23	637	12079	12705
UN06901	Rsa1.0.00055.1	1185	520193	0	952	1015	93 -	204	1185	168945	169959

UN06902	Rsa1.0_00705.1	1049	67505	1.00E-130	242	244	99 -	445	688	25656	25899
UN06903	Rsa1.0_00720.1	525	66931	1.00E-131	251	253	99 +	1	251	18491	18743
UN06904	Rsa1.0_47151.1	1197	479	1.00E-122	245	253	96 +	1	253	106	351
UN06905	Rsa1.0_00039.1	1102	296927	2.00E-82	187	196	95 +	103	297	210893	211088
UN06906	Rsa1.0_00777.1	844	191865	1.00E-169	373	394	94 +	72	462	129755	130145
UN06907	Rsa1.0_00362.1	1881	299497	0	740	754	98 +	602	1355	19860	20612
UN06908	Rsa1.0_01803.1	793	173846	0	415	415	100 -	2	416	143938	144352
UN06909	Rsa1.0_04166.1	869	18757	1.00E-162	347	371	93 -	1	371	8039	8389
UN06910	Rsa1.0_02041.1	1172	163634	0	942	1005	93 -	2	984	30110	31107
UN06911	Rsa1.0_03778.1	541	20908	1.00E-165	307	310	99 -	232	540	8218	8527
UN06912	Rsa1.0_04753.1	838	16124	1.00E-92	182	185	98 +	63	247	3064	3248
UN06913	Rsa1.0_00251.1	1214	303968	0	548	564	97 +	559	1120	142909	143472
UN06914	Rsa1.0_00072.1	1154	148743	1.00E-156	301	308	97 -	845	1152	101731	102038
UN06915	Rsa1.0_01313.1	874	48387	1.00E-141	303	319	94 +	556	874	16151	16469
UN06916	Rsa1.0_00855.1	817	62047	1.00E-134	288	303	95 +	14	312	15749	16051
UN06917	Rsa1.0_02362.1	764	32190	1.00E-74	152	155	98 +	233	387	3474	3628
UN06918	Rsa1.0_00124.1	1081	262503	0	651	654	99 -	3	656	65540	66193
UN06919	Rsa1.0_00632.1	952	183777	0	679	692	98 -	1	692	65729	66418
UN06920	Rsa1.0_00917.1	1357	182012	0	725	731	99 -	254	983	128772	129502
UN06921	Rsa1.0_02219.1	1115	33798	1.00E-177	315	315	100 +	431	745	13598	13912
UN06922	Rsa1.0_08143.1	1529	7836	1.00E-126	300	320	93 +	1203	1521	4649	4964
UN06923	Rsa1.0_08592.1	1211	7150	0	1178	1204	97 -	3	1202	1471	2670
UN06924	Rsa1.0_00015.1	889	561803	0	515	522	98 -	3	524	259145	259663
UN06925	Rsa1.0_07812.1	865	8496	0	585	588	99 -	1	588	2402	2989
UN06926	Rsa1.0_00990.1	1485	57445	0	809	899	89 +	163	1030	18057	18934
UN06927	Rsa1.0_00287.1	706	98687	0	462	493	93 +	203	682	15492	15982
UN06928	Rsa1.0_00009.1	1182	232558	1.00E-111	211	213	99 +	523	735	142063	142275
UN06929	Rsa1.0_00211.1	1115	228189	1.00E-139	260	263	98 -	3	265	14336	14598
UN06930	Rsa1.0_09960.1	1207	6065	0	358	358	100 -	850	1207	755	1112
UN06931	Rsa1.0_04497.1	1346	17103	0	394	402	98 +	3	404	6213	6614
UN06932	Rsa1.0_14168.1	768	3714	0	722	760	95 +	2	749	764	1522
UN06933	Rsa1.0_00886.1	792	167350	0	625	656	95 -	145	786	13047	13702
UN06934	Rsa1.0_00119.1	908	467509	0	459	502	91 -	32	527	386218	386716
UN06935	Rsa1.0_00178.1	1419	114861	0	1016	1067	95 -	354	1413	93342	94397
UN06936	Rsa1.0_01126.1	909	53127	0	523	547	95 +	334	878	7555	8096
UN06937	Rsa1.0_03005.1	761	26082	1.00E-108	215	219	98 +	17	235	7720	7937
UN06938	Rsa1.0_00817.1	1490	62961	0	386	386	100 +	1101	1486	20948	21333
UN06939	Rsa1.0_01193.1	1154	51147	0	774	807	95 -	330	1124	27510	28312
UN06940	Rsa1.0_01540.1	1292	151890	0	1203	1285	93 -	21	1292	142475	143746

UN06941	Rsa1.0_00112.1	699	132199	1.00E-132	289	303	95 +	367	665	118993	119292
UN06942	Rsa1.0_03666.1	1344	21485	0	434	435	99 +	1	434	12813	13247
UN06943	Rsa1.0_00673.1	1049	69325	1.00E-173	379	403	94 -	652	1049	53356	53747
UN06944	Rsa1.0_06165.1	838	11584	0	822	831	98 +	9	838	9166	9996
UN06945	Rsa1.0_00015.1	875	561803	0	855	883	96 +	2	875	349586	350465
UN06946	Rsa1.0_02486.1	1025	30965	1.00E-101	219	231	94 +	18	248	9757	9978
UN06947	Rsa1.0_00052.1	1117	162771	0	1000	1038	96 -	2	1032	81968	83003
UN06948	Rsa1.0_00439.1	761	142776	0	367	379	96 +	27	405	57766	58144
UN06949	Rsa1.0_00128.1	799	228675	0	629	667	94 -	27	690	204000	204660
UN06950	Rsa1.0_03643.1	1959	21607	0	1265	1286	98 -	674	1959	20324	21607
UN06951	Rsa1.0_09607.1	914	6256	0	866	874	99 +	39	911	1	874
UN06952	Rsa1.0_01801.1	768	39094	1.00E-131	238	238	100 -	357	594	21087	21324
UN06953	Rsa1.0_00078.1	976	175053	1.00E-147	273	276	98 -	1	276	32901	33176
UN06954	Rsa1.0_00876.1	726	61328	0	709	725	97 -	2	726	23612	24336
UN06955	Rsa1.0_01209.1	931	50668	1.00E-107	250	269	92 -	20	273	47015	47283
UN06956	Rsa1.0_00035.1	1155	176449	1.00E-175	348	357	97 +	800	1155	156806	157158
UN06957	Rsa1.0_04629.1	731	16595	1.00E-86	173	175	98 +	531	705	8842	9015
UN06958	Rsa1.0_00197.1	1193	109714	0	365	373	97 +	820	1192	13353	13725
UN06959	Rsa1.0_00568.1	1106	75219	0	822	834	98 -	273	1106	58649	59479
UN06960	Rsa1.0_00080.1	814	190437	0	471	480	98 +	1	477	84985	85464
UN06961	Rsa1.0_00127.1	1085	127446	1.00E-145	355	388	91 +	33	411	113030	113405
UN06962	Rsa1.0_05124.1	1528	14790	1.00E-127	234	235	99 -	938	1172	2110	2344
UN06963	Rsa1.0_14327.1	659	3518	0	404	421	95 +	238	658	231	645
UN06964	Rsa1.0_00244.1	1308	103590	0	957	960	99 +	349	1308	333	1292
UN06965	Rsa1.0_01635.1	631	41865	0	459	495	92 -	146	625	7307	7801
UN06966	Rsa1.0_46011.1	544	490	0	402	411	97 +	141	544	1	409
UN06967	Rsa1.0_01185.1	1566	149842	0	1537	1567	98 +	1	1566	1682	3247
UN06968	Rsa1.0_00390.1	622	88681	0	417	422	98 -	171	592	10838	11259
UN06969	Rsa1.0_00642.1	1332	201230	0	436	463	94 -	877	1332	62514	62971
UN06970	Rsa1.0_03267.1	1274	24230	0	705	727	96 +	548	1274	16677	17399
UN06971	Rsa1.0_00350.1	1087	92346	1.00E-137	288	301	95 -	764	1064	53956	54252
UN06972	Rsa1.0_02212.1	1414	33840	1.00E-149	289	295	97 +	101	392	18328	18622
UN06973	Rsa1.0_02662.1	695	28956	1.00E-109	200	200	100 -	496	695	10374	10573
UN06974	Rsa1.0_00206.1	902	109040	0	470	476	98 -	427	902	45612	46086
UN06975	Rsa1.0_00326.1	1202	171955	0	443	454	97 -	3	454	22464	22915
UN06976	Rsa1.0_02566.1	758	30039	0	753	756	99 +	3	758	13221	13976
UN06977	Rsa1.0_00065.1	1093	454616	0	659	745	88 +	394	1091	240790	241531
UN06978	Rsa1.0_01707.1	758	40686	0	395	403	98 +	1	400	11784	12186
UN06979	Rsa1.0_01034.1	854	56046	1.00E-140	268	272	98 +	1	270	24544	24815

UN06980	Rsa1.0_00623.1	1357	207630	1.00E-123	233	236	98 -	172	407	172010	172245
UN06981	Rsa1.0_03785.1	553	20883	0	391	398	98 +	5	400	11311	11708
UN06982	Rsa1.0_00355.1	1178	92038	0	503	504	99 -	50	553	64491	64994
UN06983	Rsa1.0_00731.1	971	66638	2.00E-70	139	140	99 -	831	970	1186	1325
UN06984	Rsa1.0_04910.1	1315	15484	0	740	786	94 +	1	785	6509	7282
UN06985	Rsa1.0_00002.1	862	601661	0	413	413	100 -	448	860	561832	562244
UN06986	Rsa1.0_00455.1	739	224823	2.00E-82	203	217	93 +	1	217	183334	183545
UN06987	Rsa1.0_00518.1	775	78360	1.00E-114	213	214	99 +	560	773	20635	20848
UN06988	Rsa1.0_00022.1	729	200461	2.00E-94	256	287	89 +	3	266	123609	123895
UN06989	Rsa1.0_00017.1	955	752458	0	559	568	98 -	1	567	696586	697153
UN06990	Rsa1.0_08910.1	1236	6798	5.00E-84	171	175	97 +	374	548	1064	1238
UN06991	Rsa1.0_03673.1	1078	21448	1.00E-163	317	325	97 +	756	1077	2710	3034
UN06992	Rsa1.0_00280.1	814	99966	1.00E-180	572	655	87 -	5	643	38104	38752
UN06993	Rsa1.0_02170.1	1107	34352	0	604	639	94 +	2	639	30209	30835
UN06994	Rsa1.0_00005.1	1318	353093	0	402	408	98 +	1	407	50638	51041
UN06995	Rsa1.0_02797.1	757	27800	0	442	458	96 +	3	459	8978	9435
UN06996	Rsa1.0_01781.1	896	39410	0	382	382	100 +	515	896	22750	23131
UN06997	Rsa1.0_00616.1	660	195713	0	601	607	99 -	3	609	144445	145049
UN06998	Rsa1.0_00319.1	864	167331	0	852	863	98 +	3	864	91306	92168
UN06999	Rsa1.0_00010.1	1203	294827	2.00E-21	60	62	96 -	950	1011	207266	207327
UN07000	Rsa1.0_15767.1	1084	2435	0	454	459	98 +	1	459	91	549
UN07001	Rsa1.0_00699.1	1044	184398	0	375	378	99 +	402	779	121768	122145
UN07002	Rsa1.0_00301.1	1335	365315	0	413	414	99 +	923	1335	57406	57819
UN07003	Rsa1.0_01811.1	871	38977	1.00E-145	366	394	92 -	1	387	1187	1577
UN07004	Rsa1.0_01824.1	877	38733	1.00E-122	279	294	94 +	1	294	7738	8023
UN07005	Rsa1.0_00124.1	1785	262503	0	803	837	95 +	53	885	56753	57579
UN07006	Rsa1.0_01779.1	969	39448	0	737	753	97 -	1	750	11033	11785
UN07007	Rsa1.0_02208.1	427	33875	1.00E-105	209	214	97 -	2	215	17960	18173
UN07008	Rsa1.0_02858.1	954	27246	1.00E-128	300	318	94 +	641	951	1699	2016
UN07009	Rsa1.0_00053.1	911	263459	1.00E-137	266	272	97 -	401	672	63729	64000
UN07010	Rsa1.0_01403.1	986	46453	1.00E-154	394	431	91 +	454	876	25846	26261
UN07011	Rsa1.0_02330.1	1234	32452	0	495	498	99 +	736	1233	1503	2000
UN07012	Rsa1.0_02064.1	1015	35476	0	332	332	100 +	240	571	5466	5797
UN07013	Rsa1.0_00017.1	1396	752458	0	734	734	100 +	1	734	391644	392377
UN07014	Rsa1.0_00892.1	924	60703	0	441	454	97 +	471	922	21370	21823
UN07015	Rsa1.0_01422.1	1049	46172	1.00E-162	340	354	96 +	1	353	24781	25133
UN07016	Rsa1.0_00986.1	1038	57571	0	586	589	99 -	2	589	31853	32441
UN07017	Rsa1.0_02646.1	1207	29123	0	553	605	91 -	601	1205	13903	14507
UN07018	Rsa1.0_00273.1	1165	326186	0	1147	1163	98 -	3	1165	144767	145929

UN07019	Rsa1.0.01512.1	810	44234	0	527	559	94 -	3	559	34074	34615
UN07020	Rsa1.0.02816.1	976	27649	0	947	979	96 +	1	976	944	1909
UN07021	Rsa1.0.00194.1	1735	110851	0	1679	1740	96 +	1	1735	60250	61989
UN07022	Rsa1.0.05311.1	786	14181	0	640	661	96 -	1	660	6590	7245
UN07023	Rsa1.0.02345.1	824	32337	1.00E-119	326	360	90 -	1	348	15392	15744
UN07024	Rsa1.0.00066.1	654	152418	1.00E-116	252	265	95 +	4	268	91382	91646
UN07025	Rsa1.0.00187.1	924	393093	0	408	421	96 +	14	433	212110	212530
UN07026	Rsa1.0.00694.1	909	68074	1.00E-122	223	223	100 +	443	665	5480	5702
UN07027	Rsa1.0.12291.1	947	5264	0	455	456	99 +	1	456	4166	4621
UN07028	Rsa1.0.00437.1	961	84879	0	382	397	96 -	87	483	39669	40065
UN07029	Rsa1.0.00013.1	1191	292129	1.00E-169	317	322	98 -	1	322	281575	281896
UN07030	Rsa1.0.00114.1	1160	131330	0	603	634	95 -	1	631	34658	35291
UN07031	Rsa1.0.35417.1	1222	639	0	607	620	97 -	550	1169	20	639
UN07032	Rsa1.0.04458.1	959	17255	0	913	968	94 +	1	955	9436	10395
UN07033	Rsa1.0.00550.1	775	210790	0	360	362	99 +	2	363	188722	189083
UN07034	Rsa1.0.10607.1	1802	5786	0	1050	1116	94 +	206	1312	693	1790
UN07035	Rsa1.0.00248.1	925	163568	1.00E-163	316	324	97 +	2	325	1050	1373
UN07036	Rsa1.0.05077.1	1289	14913	0	604	612	98 +	682	1287	2341	2952
UN07037	Rsa1.0.03997.1	1116	19652	0	394	410	96 -	700	1109	2468	2877
UN07038	Rsa1.0.02171.1	731	167557	1.00E-140	283	292	96 +	1	292	13006	13296
UN07039	Rsa1.0.00522.1	795	78103	1.00E-131	241	242	99 -	2	243	68506	68747
UN07040	Rsa1.0.02384.1	868	31917	0	548	602	91 +	272	867	13168	13751
UN07041	Rsa1.0.01082.1	1305	54640	0	472	479	98 +	825	1303	15720	16198
UN07042	Rsa1.0.18032.1	662	1686	1.00E-108	205	207	99 -	314	520	1291	1497
UN07043	Rsa1.0.02365.1	1008	32118	1.00E-123	234	237	98 +	772	1008	10500	10736
UN07044	Rsa1.0.00849.1	1198	62212	1.00E-170	328	336	97 -	862	1197	21303	21638
UN07045	Rsa1.0.00721.1	1265	66918	0	423	442	95 -	517	958	918	1359
UN07046	Rsa1.0.15757.1	631	2442	0	524	531	98 -	1	529	1463	1993
UN07047	Rsa1.0.00506.1	1449	79106	1.00E-144	303	318	95 -	1	311	6009	6326
UN07048	Rsa1.0.00629.1	1938	71381	0	800	831	96 +	694	1523	45375	46186
UN07049	#	#	#	#	#	#	#	#	#	#	#
UN07050	Rsa1.0.01029.1	933	256254	0	886	904	98 +	30	933	230191	231088
UN07051	Rsa1.0.00515.1	549	78417	1.00E-158	304	311	97 -	1	306	55788	56098
UN07052	Rsa1.0.00009.1	1060	232558	0	519	547	94 +	10	546	117345	117890
UN07053	Rsa1.0.01613.1	1226	182542	0	499	503	99 -	1	502	162642	163144
UN07054	Rsa1.0.03391.1	764	23251	0	727	767	94 -	1	762	1652	2408
UN07055	Rsa1.0.00001.1	945	363028	0	762	775	98 +	171	945	238678	239452
UN07056	Rsa1.0.00211.1	585	228189	0	565	568	99 -	18	585	179347	179912
UN07057	Rsa1.0.00522.1	912	78103	1.00E-116	238	246	96 -	626	871	57158	57399

UN07058	Rsa1.0.00516.1	1322	78417	1.00E-155	295	298	98 +	2	299	45139	45433
UN07059	Rsa1.0.05978.1	509	12053	1.00E-103	212	219	96 -	278	496	5919	6137
UN07060	Rsa1.0.00605.1	1141	73199	0	484	490	98 +	1	488	49637	50124
UN07061	Rsa1.0.01504.1	2073	189978	0	463	490	94 -	1582	2071	36465	36941
UN07062	Rsa1.0.00624.1	757	71773	1.00E-121	230	233	98 -	170	402	20764	20996
UN07063	Rsa1.0.01006.1	1148	163670	0	520	530	98 +	27	554	25599	26128
UN07064	Rsa1.0.01251.1	1142	49873	1.00E-133	253	257	98 -	486	742	29907	30163
UN07065	#	#	#	#	#	#	#	#	#	#	#
UN07066	Rsa1.0.00163.1	1415	116847	0	558	578	96 +	844	1415	37091	37665
UN07067	Rsa1.0.00201.1	1025	232851	6.00E-86	168	170	98 -	567	736	3232	3401
UN07068	Rsa1.0.00167.1	1204	116000	0	1089	1140	95 +	1	1122	87398	88534
UN07069	Rsa1.0.00029.1	1096	272992	0	1057	1094	96 +	4	1095	230488	231574
UN07070	Rsa1.0.26999.1	751	870	0	332	332	100 -	1	332	154	485
UN07071	Rsa1.0.01284.1	1356	49231	0	389	391	99 +	518	908	45549	45939
UN07072	Rsa1.0.01667.1	1151	41315	1.00E-136	280	288	97 -	867	1151	8241	8526
UN07073	Rsa1.0.00424.1	1442	86005	0	360	365	98 -	343	707	76607	76971
UN07074	Rsa1.0.02110.1	1615	34919	0	760	812	93 +	2	800	23093	23891
UN07075	Rsa1.0.03856.1	498	20429	3.00E-95	215	225	95 -	275	498	15618	15841
UN07076	Rsa1.0.00827.1	758	62790	0	743	757	98 -	2	758	46407	47163
UN07077	Rsa1.0.01218.1	643	50536	0	640	643	99 +	1	641	12503	13145
UN07078	Rsa1.0.00087.1	1088	761073	0	719	749	95 -	5	751	731598	732345
UN07079	Rsa1.0.01477.1	1211	45008	0	1003	1044	96 +	175	1209	42412	43455
UN07080	Rsa1.0.02379.1	1244	150705	0	1224	1244	98 +	3	1244	146234	147476
UN07081	Rsa1.0.00803.1	1249	144228	1.00E-139	278	286	97 +	226	508	12208	12493
UN07082	Rsa1.0.00545.1	1483	189649	0	783	813	96 -	1	804	55735	56545
UN07083	Rsa1.0.00051.1	1706	258225	0	391	398	98 -	1	395	18495	18892
UN07084	Rsa1.0.00532.1	1058	77384	1.00E-131	247	250	98 -	684	933	12854	13103
UN07085	Rsa1.0.02358.1	984	32213	1.00E-168	326	335	97 -	460	794	384	712
UN07086	Rsa1.0.05320.1	1298	14158	0	383	384	99 -	215	598	3179	3562
UN07087	Rsa1.0.06253.1	972	11385	0	426	430	99 -	3	431	7588	8017
UN07088	Rsa1.0.04411.1	1340	142979	1.00E-124	263	274	95 -	11	284	137399	137671
UN07089	Rsa1.0.00326.1	994	171955	1.00E-116	301	331	90 +	649	979	65824	66133
UN07090	Rsa1.0.03193.1	1265	24690	0	487	540	90 -	7	538	21087	21602
UN07091	Rsa1.0.00005.1	1253	353093	1.00E-178	317	317	100 -	162	478	51852	52168
UN07092	Rsa1.0.00254.1	680	102600	1.00E-126	280	297	94 +	9	305	73233	73523
UN07093	Rsa1.0.02236.1	1257	33558	1.00E-179	386	408	94 -	830	1237	13202	13605
UN07094	Rsa1.0.01143.1	689	52456	4.00E-77	165	171	96 +	383	553	46053	46223
UN07095	Rsa1.0.03545.1	917	147543	1.00E-125	273	287	95 -	621	907	147220	147505
UN07096	Rsa1.0.00055.1	747	520193	1.00E-117	249	260	95 -	416	675	211435	211690

UN07097	Rsa1.0_01769.1	901	39568	1.00E-133	244	245	99 -	104	348	33607	33851
UN07098	Rsa1.0_00893.1	1027	60626	0	501	510	98 +	15	522	46398	46907
UN07099	Rsa1.0_00332.1	1232	94575	0	500	521	95 -	716	1230	62006	62524
UN07100	Rsa1.0_00047.1	1505	168582	0	495	498	99 +	2	499	124961	125458
UN07101	Rsa1.0_03057.1	820	25724	2.00E-73	156	161	96 -	534	694	139	299
UN07102	Rsa1.0_00121.1	750	278029	1.00E-154	290	292	99 +	1	291	112289	112579
UN07103	Rsa1.0_00845.1	853	62346	1.00E-128	240	241	99 +	542	781	12049	12289
UN07104	Rsa1.0_00040.1	859	324196	0	526	565	93 -	271	826	36385	36939
UN07105	Rsa1.0_00194.1	1509	110851	0	1240	1297	95 -	184	1471	60327	61623
UN07106	Rsa1.0_00107.1	980	431659	0	513	546	93 -	442	980	165615	166159
UN07107	Rsa1.0_01853.1	1218	147800	1.00E-157	303	310	97 +	498	807	128102	128411
UN07108	Rsa1.0_55790.1	545	410	1.00E-122	273	290	94 -	90	379	1	290
UN07109	Rsa1.0_01382.1	1317	46877	0	406	426	95 +	1	423	11373	11798
UN07110	Rsa1.0_00213.1	1552	108167	0	363	363	100 -	3	365	99017	99379
UN07111	Rsa1.0_03111.1	1074	25327	0	401	419	95 -	658	1074	3066	3481
UN07112	Rsa1.0_00001.1	1442	363028	0	955	980	97 +	469	1442	280589	281568
UN07113	Rsa1.0_00435.1	1269	317579	0	402	404	99 -	394	797	54645	55047
UN07114	Rsa1.0_02726.1	1547	28404	1.00E-133	301	320	94 -	1230	1547	25547	25866
UN07115	Rsa1.0_00976.1	837	57809	1.00E-89	177	180	98 +	516	695	7053	7232
UN07116	Rsa1.0_02179.1	972	34188	1.00E-177	393	417	94 -	543	947	23623	24037
UN07117	Rsa1.0_00114.1	1001	131330	0	702	713	98 -	79	791	95546	96258
UN07118	Rsa1.0_01476.1	1118	172928	1.00E-123	281	297	94 +	819	1111	9187	9481
UN07119	Rsa1.0_00104.1	918	368722	0	915	915	100 -	1	915	155070	155984
UN07120	Rsa1.0_03668.1	412	21483	4.00E-63	135	139	97 +	73	211	19585	19723
UN07121	Rsa1.0_03209.1	1190	24592	0	538	546	98 +	3	547	5163	5708
UN07122	Rsa1.0_00179.1	955	393324	0	751	778	96 -	179	951	241686	242456
UN07123	Rsa1.0_00720.1	957	66931	0	516	517	99 +	439	955	2953	3469
UN07124	Rsa1.0_12814.1	1197	5119	0	553	561	98 +	638	1197	3092	3652
UN07125	Rsa1.0_04111.1	1035	18991	1.00E-106	251	268	93 -	17	283	13843	14110
UN07126	Rsa1.0_01749.1	1103	39822	0	391	400	97 +	704	1103	7472	7869
UN07127	Rsa1.0_01728.1	633	40239	0	484	510	94 -	1	509	21789	22295
UN07128	Rsa1.0_06010.1	1552	11944	0	885	895	98 +	656	1550	7741	8635
UN07129	Rsa1.0_01860.1	1387	38057	2.00E-89	168	168	100 -	414	581	23461	23628
UN07130	Rsa1.0_00324.1	1225	218805	1.00E-167	305	307	99 +	919	1225	182825	183131
UN07131	Rsa1.0_00322.1	1297	212233	1.00E-120	222	223	99 -	838	1060	80171	80393
UN07132	Rsa1.0_06677.1	940	10560	0	911	941	96 -	3	940	2190	3124
UN07133	Rsa1.0_00243.1	748	103651	1.00E-136	334	366	91 +	403	748	23261	23623
UN07134	Rsa1.0_03577.1	862	143993	0	451	454	99 -	409	862	7984	8437
UN07135	Rsa1.0_00162.1	1175	239935	1.00E-126	258	264	97 +	913	1174	25199	25460

UN07136	Rsa1.0.02247.1	963	33427	1.00E-118	267	282	94 +	590	870	28646	28924
UN07137	Rsa1.0.00229.1	1198	105471	0	1078	1094	98 -	1	1094	82850	83941
UN07138	Rsa1.0.00477.1	845	81556	1.00E-125	242	247	97 +	132	378	21683	21929
UN07139	Rsa1.0.00473.1	1069	212204	0	653	672	97 +	233	904	31308	31979
UN07140	Rsa1.0.00044.1	804	271658	0	788	798	98 +	7	804	24744	25540
UN07141	Rsa1.0.00737.1	982	66432	3.00E-97	261	284	91 -	713	982	31720	32003
UN07142	Rsa1.0.00522.1	957	78103	1.00E-110	233	242	96 +	86	326	57158	57399
UN07143	Rsa1.0.01589.1	815	42721	1.00E-150	300	310	96 +	209	518	29072	29381
UN07144	Rsa1.0.03138.1	1115	25092	0	554	558	99 -	556	1113	9101	9658
UN07145	Rsa1.0.00190.1	1268	318240	0	405	406	99 -	863	1268	196708	197113
UN07146	Rsa1.0.02304.1	869	32793	0	404	405	99 -	240	644	15443	15847
UN07147	Rsa1.0.01034.1	667	56046	0	359	367	97 -	60	426	35993	36359
UN07148	Rsa1.0.00218.1	1322	201480	1.00E-108	206	208	99 -	370	577	114870	115077
UN07149	Rsa1.0.00447.1	963	84051	0	379	379	100 -	552	930	56160	56538
UN07150	Rsa1.0.03166.1	1525	24863	0	468	468	100 +	1058	1525	19446	19913
UN07151	Rsa1.0.00423.1	352	86138	1.00E-141	266	270	98 -	83	352	10887	11156
UN07152	Rsa1.0.01837.1	1162	38502	0	1141	1162	98 -	2	1161	27628	28789
UN07153	Rsa1.0.01059.1	1468	55410	0	1228	1281	95 -	195	1468	28279	29538
UN07154	Rsa1.0.00065.1	1786	454616	0	1711	1767	96 -	3	1769	132950	134713
UN07155	Rsa1.0.01245.1	862	149868	0	554	562	98 +	302	862	45970	46531
UN07156	Rsa1.0.00013.1	1262	292129	0	441	444	99 +	818	1261	90182	90625
UN07157	Rsa1.0.06497.1	1061	10890	0	768	782	98 -	2	782	351	1131
UN07158	Rsa1.0.05864.1	1466	12387	0	340	340	100 -	1	340	7543	7882
UN07159	Rsa1.0.04299.1	1157	18027	0	712	713	99 -	1	713	11917	12629
UN07160	Rsa1.0.03475.1	1055	22653	1.00E-158	308	316	97 +	418	733	16055	16370
UN07161	Rsa1.0.03790.1	958	20844	0	412	426	96 -	345	770	8657	9074
UN07162	Rsa1.0.03552.1	817	22151	3.00E-84	168	171	98 +	456	626	14663	14833
UN07163	Rsa1.0.00523.1	1556	178770	0	409	411	99 +	1144	1554	166967	167377
UN07164	Rsa1.0.01282.1	1657	49304	0	1605	1655	96 -	6	1654	30123	31768
UN07165	Rsa1.0.02852.1	691	27287	0	635	668	95 +	3	670	15228	15884
UN07166	Rsa1.0.00378.1	1179	89892	0	415	436	95 -	3	436	81481	81900
UN07167	Rsa1.0.00033.1	1490	515811	0	1169	1179	99 -	315	1490	497657	498835
UN07168	Rsa1.0.00529.1	851	77487	1.00E-105	300	333	90 +	521	851	65173	65489
UN07169	Rsa1.0.01249.1	1038	188432	0	1016	1038	97 +	1	1036	182099	183129
UN07170	Rsa1.0.00750.1	2061	190548	0	654	661	98 +	288	948	16410	17070
UN07171	Rsa1.0.00888.1	852	60978	0	392	398	98 -	229	626	23903	24300
UN07172	Rsa1.0.02295.1	742	149884	1.00E-150	270	270	100 -	473	742	13556	13825
UN07173	Rsa1.0.00012.1	1120	222148	0	448	465	96 -	656	1118	28069	28530
UN07174	Rsa1.0.00754.1	927	65689	0	405	413	98 +	1	407	59411	59822

UN07175	#	#	#	#	#	#	#	#	#	#	#	#
UN07176	Rsa1.0_19503.1	1655	1422	0	870	927	93 -	74	1000	218	1144	
UN07177	Rsa1.0_01586.1	1088	42804	1.00E-178	398	420	94 -	672	1088	28079	28496	
UN07178	Rsa1.0_00051.1	1240	258225	0	651	667	97 -	574	1240	52532	53198	
UN07179	Rsa1.0_03381.1	811	23306	1.00E-142	263	265	99 -	3	267	5379	5643	
UN07180	Rsa1.0_04817.1	601	15869	0	595	598	99 +	1	597	12103	12700	
UN07181	Rsa1.0_00651.1	1165	247766	0	722	730	98 +	436	1165	98435	99164	
UN07182	Rsa1.0_08401.1	1565	7418	0	681	684	99 -	1	683	678	1361	
UN07183	Rsa1.0_13478.1	1204	4790	0	1081	1105	97 +	6	1109	2571	3668	
UN07184	Rsa1.0_00028.1	769	293984	0	574	576	99 -	195	769	71347	71922	
UN07185	Rsa1.0_00471.1	1078	81897	0	870	885	98 +	198	1078	76439	77323	
UN07186	Rsa1.0_00389.1	872	88795	0	862	862	100 -	11	872	44597	45458	
UN07187	Rsa1.0_03192.1	1797	24695	0	1063	1100	96 +	659	1745	11044	12142	
UN07188	Rsa1.0_05553.1	1132	13344	0	1115	1130	98 +	2	1131	10865	11994	
UN07189	Rsa1.0_02566.1	763	30039	0	730	760	96 -	3	761	13189	13940	
UN07190	Rsa1.0_00092.1	867	659932	1.00E-150	273	274	99 -	129	402	14484	14757	
UN07191	Rsa1.0_05676.1	967	12969	0	493	509	96 +	447	954	9434	9937	
UN07192	Rsa1.0_01789.1	1185	39250	0	452	463	97 +	717	1178	5483	5943	
UN07193	Rsa1.0_01901.1	805	37472	0	484	489	98 -	3	491	26858	27346	
UN07194	Rsa1.0_02846.1	814	27338	0	790	815	96 +	1	814	19909	20722	
UN07195	Rsa1.0_00021.1	1253	263655	0	621	621	100 +	129	749	10057	10677	
UN07196	Rsa1.0_00552.1	598	206757	1.00E-105	271	291	93 -	300	588	72818	73102	
UN07197	Rsa1.0_00108.1	1144	478491	0	1001	1049	95 +	3	1051	70429	71470	
UN07198	Rsa1.0_02505.1	968	30703	1.00E-135	245	245	100 -	149	393	8840	9084	
UN07199	Rsa1.0_02150.1	1784	34580	0	792	797	99 -	990	1784	17993	18789	
UN07200	Rsa1.0_00711.1	746	67223	0	520	520	100 +	227	746	15004	15523	
UN07201	Rsa1.0_00152.1	1375	257730	0	645	663	97 -	3	665	230931	231593	
UN07202	Rsa1.0_00551.1	1404	76227	1.00E-177	430	464	92 -	10	465	20659	21118	
UN07203	Rsa1.0_01416.1	896	46262	0	543	556	97 -	7	562	16597	17152	
UN07204	Rsa1.0_05401.1	957	13876	0	526	564	93 +	413	957	1410	1973	
UN07205	Rsa1.0_00632.1	1457	183777	0	1422	1463	97 +	13	1457	144872	146327	
UN07206	Rsa1.0_00344.1	1204	191774	0	1168	1202	97 -	1	1200	127033	128233	
UN07207	Rsa1.0_00886.1	998	167350	0	493	500	98 +	7	506	11220	11719	
UN07208	Rsa1.0_00414.1	1176	202190	0	967	997	96 -	140	1134	56594	57589	
UN07209	Rsa1.0_00976.1	897	57809	0	326	326	100 -	571	896	48272	48597	
UN07210	Rsa1.0_01835.1	722	38542	0	656	703	93 +	1	695	12839	13536	
UN07211	Rsa1.0_01753.1	1558	39794	1.00E-103	198	200	99 +	440	639	19842	20041	
UN07212	Rsa1.0_00278.1	632	231896	0	566	602	94 +	5	603	183530	184118	
UN07213	Rsa1.0_00108.1	889	478491	1.00E-132	240	240	100 +	650	889	51602	51841	

UN07214	Rsa1.0.00017.1	840	752458	1.00E-150	314	325	96 -	3	320	11197	11519
UN07215	Rsa1.0.05320.1	810	14158	0	809	810	99 +	1	810	8531	9339
UN07216	Rsa1.0.07444.1	585	9386	1.00E-149	276	279	98 +	68	346	7105	7383
UN07217	Rsa1.0.01203.1	1080	50848	0	848	882	96 +	103	974	1079	1960
UN07218	Rsa1.0.00877.1	1323	61305	0	1300	1317	98 +	10	1323	40786	42096
UN07219	Rsa1.0.00392.1	1950	88523	0	685	721	95 -	976	1691	13962	14671
UN07220	Rsa1.0.00731.1	912	66638	0	515	528	97 -	5	531	55615	56140
UN07221	Rsa1.0.00028.1	745	293984	0	653	662	98 -	84	745	86862	87523
UN07222	Rsa1.0.09779.1	1070	6154	1.00E-121	231	233	99 +	5	236	734	966
UN07223	Rsa1.0.02589.1	1491	300828	0	746	841	88 -	476	1316	151178	152018
UN07224	Rsa1.0.20721.1	1550	1276	0	488	501	97 +	355	853	406	906
UN07225	Rsa1.0.02192.1	1145	171291	0	517	538	96 +	571	1104	9538	10075
UN07226	Rsa1.0.00064.1	875	240927	0	869	880	98 -	1	875	232180	233059
UN07227	Rsa1.0.01417.1	1031	46252	0	409	413	99 -	1	412	20533	20944
UN07228	Rsa1.0.05254.1	1378	14362	0	1358	1379	98 -	1	1378	3811	5189
UN07229	Rsa1.0.00497.1	460	79830	1.00E-130	236	236	100 +	1	236	43623	43858
UN07230	Rsa1.0.15414.1	1349	2620	0	663	675	98 +	179	853	1	674
UN07231	Rsa1.0.01570.1	880	43015	1.00E-159	288	289	99 -	377	665	32273	32561
UN07232	Rsa1.0.01352.1	1268	47443	1.00E-109	216	221	97 +	618	838	12792	13012
UN07233	Rsa1.0.02648.1	1059	29073	0	629	647	97 +	422	1058	11052	11698
UN07234	Rsa1.0.01984.1	855	36491	0	850	851	99 +	5	855	31611	32461
UN07235	Rsa1.0.00494.1	676	79967	0	498	521	95 -	2	521	3932	4449
UN07236	Rsa1.0.00029.1	535	272992	0	526	547	96 +	3	535	124469	125015
UN07237	Rsa1.0.00100.1	1583	249232	0	455	470	96 +	1	470	13957	14423
UN07238	Rsa1.0.02706.1	1106	28522	0	470	476	98 -	3	478	14012	14483
UN07239	Rsa1.0.04456.1	1567	17260	0	762	763	99 +	804	1566	15708	16469
UN07240	Rsa1.0.00025.1	641	277312	0	373	377	98 +	265	639	17353	17728
UN07241	Rsa1.0.06355.1	686	11180	0	592	601	98 -	1	598	515	1115
UN07242	Rsa1.0.02245.1	644	33478	0	394	410	96 -	235	642	6316	6725
UN07243	Rsa1.0.05530.1	732	13409	0	721	730	98 +	2	730	11827	12556
UN07244	Rsa1.0.00233.1	847	104918	1.00E-31	83	87	95 -	723	809	1959	2045
UN07245	Rsa1.0.10012.1	1233	6039	0	451	457	98 -	778	1233	341	797
UN07246	Rsa1.0.05984.1	1167	12031	0	454	469	96 -	677	1139	2482	2947
UN07247	Rsa1.0.00939.1	887	185227	0	423	442	95 -	451	887	51026	51466
UN07248	Rsa1.0.04116.1	635	18971	0	405	415	97 +	1	415	18340	18754
UN07249	Rsa1.0.00090.1	1736	273859	1.00E-149	268	268	100 +	456	723	143363	143630
UN07250	Rsa1.0.00551.1	1290	76227	0	530	538	98 -	753	1290	54758	55293
UN07251	Rsa1.0.00022.1	1234	200461	0	1220	1236	98 -	1	1233	141333	142562
UN07252	Rsa1.0.00469.1	797	82084	0	483	510	94 +	292	796	77636	78139

UN07253	Rsa1.0.00837.1	917	62568	0	505	505	100 +	1	505	19284	19788
UN07254	Rsa1.0.02836.1	949	27481	1.00E-150	280	282	99 -	667	948	12895	13175
UN07255	Rsa1.0.25015.1	1133	956	0	467	482	96 +	319	800	475	956
UN07256	Rsa1.0.06200.1	1449	11506	0	920	922	99 +	176	1096	10585	11506
UN07257	Rsa1.0.06990.1	880	10060	0	848	879	96 +	1	868	4363	5235
UN07258	Rsa1.0.02944.1	1181	26553	1.00E-172	310	311	99 +	1	311	9056	9366
UN07259	Rsa1.0.00893.1	1262	60626	0	717	756	94 +	33	783	43045	43797
UN07260	Rsa1.0.00419.1	845	86562	0	427	429	99 +	2	429	39883	40311
UN07261	Rsa1.0.00233.1	1456	104918	0	639	640	99 -	1	640	40246	40885
UN07262	Rsa1.0.17196.1	1023	1893	0	843	868	97 +	158	1023	1	862
UN07263	Rsa1.0.00639.1	1023	165873	0	1011	1011	100 +	13	1023	128422	129432
UN07264	Rsa1.0.01920.1	859	158533	0	575	593	96 -	12	598	135428	136016
UN07265	Rsa1.0.00821.1	1457	62891	1.00E-170	347	361	96 -	1105	1457	55683	56042
UN07266	Rsa1.0.00092.1	1340	659932	0	479	482	99 -	1	480	42020	42501
UN07267	Rsa1.0.00978.1	1290	57739	0	891	891	100 -	400	1290	24460	25350
UN07268	Rsa1.0.00166.1	971	240912	1.00E-175	317	319	99 +	653	971	224857	225175
UN07269	Rsa1.0.00393.1	1013	158674	0	511	511	100 +	63	573	135841	136351
UN07270	Rsa1.0.00108.1	1072	478491	0	976	996	97 -	78	1072	448266	449256
UN07271	Rsa1.0.00004.1	1025	253996	0	1015	1025	99 +	1	1024	158833	159856
UN07272	Rsa1.0.00420.1	1395	86496	1.00E-127	232	232	100 -	11	242	11931	12162
UN07273	Rsa1.0.01494.1	716	44641	0	429	431	99 -	3	432	14397	14827
UN07274	Rsa1.0.08811.1	854	6904	0	437	437	100 +	168	604	3266	3702
UN07275	Rsa1.0.00128.1	658	228675	1.00E-162	298	300	99 +	358	657	139177	139474
UN07276	Rsa1.0.03185.1	755	24739	5.00E-89	179	183	97 -	242	424	9033	9215
UN07277	Rsa1.0.00748.1	1141	65983	0	523	534	97 -	365	898	45626	46159
UN07278	Rsa1.0.01198.1	1039	51029	0	873	897	97 +	1	896	40408	41300
UN07279	Rsa1.0.00387.1	692	495407	0	692	693	99 +	1	692	143940	144632
UN07280	Rsa1.0.07439.1	316	9392	1.00E-81	154	154	100 -	41	194	9239	9392
UN07281	Rsa1.0.00194.1	1156	110851	1.00E-157	292	295	98 -	862	1156	96169	96460
UN07282	Rsa1.0.00075.1	1344	146680	0	515	526	97 -	1	525	19296	19815
UN07283	Rsa1.0.02289.1	1461	32981	0	582	604	96 +	858	1461	17563	18154
UN07284	Rsa1.0.00088.1	1452	141341	0	632	649	97 -	810	1452	97198	97835
UN07285	Rsa1.0.17335.1	903	1857	0	702	713	98 +	109	819	1146	1857
UN07286	Rsa1.0.10108.1	497	5996	1.00E-116	255	266	95 +	216	478	111	374
UN07287	Rsa1.0.00173.1	771	288743	0	395	403	98 +	371	770	203683	204082
UN07288	Rsa1.0.01750.1	932	39816	8.00E-42	107	112	95 +	429	539	18559	18670
UN07289	Rsa1.0.01203.1	1190	50848	1.00E-140	256	257	99 +	1	257	38676	38932
UN07290	Rsa1.0.00110.1	905	132719	0	878	905	97 -	4	905	49653	50556
UN07291	Rsa1.0.01521.1	886	142147	0	448	448	100 +	1	448	137675	138122

UN07292	Rsa1.0.00124.1	761	262503	0	444	446	99 +	1	446	16138	16583
UN07293	Rsa1.0.02929.1	740	26673	1.00E-119	251	261	96 -	474	734	21072	21330
UN07294	Rsa1.0.00807.1	450	63607	5.00E-60	153	162	94 -	292	450	40888	41045
UN07295	Rsa1.0.00359.1	1336	91256	0	570	574	99 +	563	1136	22160	22733
UN07296	Rsa1.0.00784.1	1513	64359	0	921	922	99 -	593	1513	2126	3047
UN07297	Rsa1.0.00027.1	897	283362	0	357	366	97 +	282	645	20864	21229
UN07298	Rsa1.0.02120.1	559	34819	1.00E-175	347	359	96 -	1	359	9113	9471
UN07299	Rsa1.0.00657.1	886	69858	0	859	883	97 +	8	884	17707	18583
UN07300	Rsa1.0.02969.1	1138	26390	0	585	587	99 +	550	1136	6035	6621
UN07301	Rsa1.0.00086.1	981	439854	1.00E-155	284	286	99 +	696	981	284247	284532
UN07302	Rsa1.0.00168.1	687	115870	1.00E-168	299	299	100 +	389	687	38162	38460
UN07303	Rsa1.0.00214.1	631	107508	1.00E-140	300	314	95 -	309	621	36818	37127
UN07304	Rsa1.0.00067.1	1145	415055	0	524	525	99 -	621	1145	34474	34997
UN07305	Rsa1.0.08572.1	597	7184	0	405	416	97 +	180	595	6112	6523
UN07306	Rsa1.0.00385.1	1199	89160	0	409	426	96 -	1	424	12113	12538
UN07307	Rsa1.0.00299.1	1228	97770	0	1185	1228	96 +	1	1228	9212	10432
UN07308	Rsa1.0.00469.1	1097	82084	0	758	765	99 +	1	765	46985	47748
UN07309	Rsa1.0.02916.1	1535	26809	0	372	382	97 +	1	373	6047	6428
UN07310	Rsa1.0.05758.1	1129	12721	0	988	1004	98 +	125	1128	442	1445
UN07311	Rsa1.0.18041.1	843	1683	0	521	522	99 -	322	843	1162	1683
UN07312	Rsa1.0.00111.1	1630	390088	0	723	746	96 -	1	742	178097	178842
UN07313	Rsa1.0.01137.1	1296	52655	0	1291	1297	99 +	1	1296	43969	45262
UN07314	Rsa1.0.02908.1	1308	26859	0	817	826	98 -	482	1307	26034	26859
UN07315	Rsa1.0.00821.1	1148	62891	1.00E-173	318	320	99 +	829	1148	32814	33131
UN07316	Rsa1.0.00286.1	1057	98709	1.00E-177	384	409	93 -	658	1057	54908	55309
UN07317	Rsa1.0.01698.1	800	40830	1.00E-161	288	288	100 -	1	288	30279	30566
UN07318	Rsa1.0.00100.1	1299	249232	1.00E-175	385	412	93 +	284	695	174836	175235
UN07319	Rsa1.0.01855.1	1643	38204	0	1043	1077	96 -	554	1630	26509	27583
UN07320	Rsa1.0.37875.1	1802	595	0	593	595	99 -	758	1352	1	595
UN07321	Rsa1.0.03538.1	1678	22204	0	506	506	100 +	199	704	2685	3190
UN07322	Rsa1.0.00092.1	1933	659932	1.00E-136	272	279	97 +	283	560	630024	630302
UN07323	Rsa1.0.00121.1	1290	278029	1.00E-171	314	317	99 -	974	1290	34412	34728
UN07324	Rsa1.0.01397.1	1378	183276	0	654	671	97 +	412	1082	639	1309
UN07325	Rsa1.0.02076.1	772	153121	0	485	489	99 +	1	489	14561	15048
UN07326	Rsa1.0.05577.1	904	13284	0	878	905	97 +	1	903	11449	12352
UN07327	Rsa1.0.14327.1	1395	3518	0	1065	1068	99 +	239	1306	231	1297
UN07328	Rsa1.0.00073.1	1099	240924	0	656	667	98 -	1	667	96789	97449
UN07329	Rsa1.0.05498.1	1449	13523	7.00E-65	127	127	100 -	590	716	2975	3101
UN07330	Rsa1.0.03900.1	804	133221	0	705	745	94 -	3	746	6943	7663

UN07331	Rsa1.0_04438.1	573	17361	1.00E-143	267	270	98 -	304	573	14944	15213
UN07332	Rsa1.0_02274.1	1360	33109	0	492	494	99 -	334	827	8221	8714
UN07333	Rsa1.0_00006.1	877	396176	0	857	878	97 +	3	877	296014	296891
UN07334	Rsa1.0_16677.1	135	2069	2.00E-68	134	135	99 -	1	135	999	1133
UN07335	Rsa1.0_00059.1	1437	159650	0	795	833	95 -	628	1437	63397	64229
UN07336	Rsa1.0_03610.1	859	21797	1.00E-127	245	249	98 -	38	283	2138	2386
UN07337	Rsa1.0_04080.1	1676	19198	0	519	556	93 +	505	1060	4470	5023
UN07338	Rsa1.0_02642.1	1625	29181	0	1073	1092	98 +	335	1423	13097	14188
UN07339	Rsa1.0_01496.1	994	44595	0	982	994	98 +	2	994	1641	2634
UN07340	Rsa1.0_43703.1	746	514	1.00E-162	293	294	99 -	451	744	221	514
UN07341	Rsa1.0_00392.1	1078	88523	0	911	1003	90 +	18	1003	63833	64811
UN07342	Rsa1.0_01493.1	1183	44670	0	754	786	95 +	217	998	32666	33447
UN07343	Rsa1.0_00848.1	981	152362	0	658	676	97 -	3	677	14944	15619
UN07344	Rsa1.0_09912.1	1195	6092	0	604	614	98 -	1	613	1	614
UN07345	Rsa1.0_33453.1	1436	678	0	466	467	99 +	572	1038	212	678
UN07346	Rsa1.0_00139.1	972	357786	0	877	900	97 +	3	895	263046	263942
UN07347	Rsa1.0_00703.1	810	67597	0	789	805	98 -	6	810	26615	27419
UN07348	Rsa1.0_01400.1	1313	46560	0	815	845	96 -	479	1308	26212	27056
UN07349	Rsa1.0_03434.1	948	22960	0	601	611	98 +	2	612	20817	21423
UN07350	Rsa1.0_01119.1	603	53459	1.00E-162	322	333	96 +	63	395	42022	42348
UN07351	Rsa1.0_00985.1	781	161950	1.00E-134	305	324	94 -	7	330	54597	54915
UN07352	Rsa1.0_00143.1	680	121313	0	642	677	94 -	2	665	31003	31679
UN07353	Rsa1.0_00197.1	1256	109714	0	596	601	99 -	14	614	47701	48301
UN07354	Rsa1.0_00118.1	999	130637	2.00E-89	168	168	100 -	1	168	114153	114320
UN07355	Rsa1.0_00002.1	1308	601661	0	1285	1301	98 +	4	1304	19784	21084
UN07356	Rsa1.0_00831.1	928	62673	0	415	421	98 -	510	928	22690	23110
UN07357	Rsa1.0_01322.1	768	48166	0	403	403	100 -	362	764	28212	28614
UN07358	Rsa1.0_01591.1	853	42718	1.00E-134	345	379	91 -	20	398	24117	24486
UN07359	Rsa1.0_00038.1	874	314568	1.00E-159	319	328	97 +	3	329	46501	46827
UN07360	Rsa1.0_01414.1	653	149508	0	554	575	96 -	79	651	143134	143701
UN07361	Rsa1.0_01481.1	952	184562	0	949	951	99 +	4	952	2409	3359
UN07362	Rsa1.0_01882.1	742	37697	1.00E-155	294	298	98 -	446	742	12510	12807
UN07363	Rsa1.0_07270.1	1100	9634	0	561	582	96 -	8	578	4435	5013
UN07364	Rsa1.0_67954.1	1082	337	1.00E-178	325	328	99 +	225	552	10	337
UN07365	Rsa1.0_00661.1	684	213041	0	415	437	94 -	104	539	66549	66981
UN07366	Rsa1.0_03915.1	1409	20117	0	398	414	96 -	982	1390	19463	19872
UN07367	Rsa1.0_01091.1	873	54383	0	758	758	100 -	116	873	50727	51484
UN07368	Rsa1.0_00605.1	1151	73199	0	1105	1141	96 -	11	1151	33796	34936
UN07369	Rsa1.0_43429.1	1372	517	1.00E-118	225	228	98 +	1126	1353	290	517

UN07370	Rsa1.0.00753.1	1266	65705	0	603	603	100 -	1	603	64071	64673
UN07371	Rsa1.0.01430.1	838	46034	0	615	615	100 -	224	838	40473	41087
UN07372	Rsa1.0.11525.1	1125	5479	0	797	910	87 +	30	939	4434	5343
UN07373	Rsa1.0.00429.1	802	85559	1.00E-177	357	369	96 +	277	641	13508	13876
UN07374	Rsa1.0.02471.1	1182	31104	0	1153	1182	97 -	1	1182	8870	10049
UN07375	Rsa1.0.02142.1	943	34633	0	377	384	98 -	560	943	6294	6677
UN07376	Rsa1.0.01220.1	951	161775	0	947	951	99 -	1	951	113660	114610
UN07377	Rsa1.0.04218.1	413	18423	1.00E-106	215	219	98 +	1	217	13440	13658
UN07378	Rsa1.0.02621.1	921	156120	0	593	614	96 +	3	614	12833	13446
UN07379	Rsa1.0.00350.1	551	92346	0	347	348	99 -	204	551	73658	74005
UN07380	Rsa1.0.02201.1	1271	33981	1.00E-170	333	343	97 +	3	345	21928	22270
UN07381	Rsa1.0.00051.1	869	258225	0	868	868	100 +	2	869	113729	114596
UN07382	Rsa1.0.16652.1	1143	2078	6.00E-71	189	204	92 -	543	745	568	769
UN07383	Rsa1.0.01866.1	880	37961	0	479	492	97 -	389	880	10742	11233
UN07384	Rsa1.0.09755.1	2100	6166	0	585	586	99 -	985	1570	1	586
UN07385	Rsa1.0.05823.1	2071	12521	0	1430	1465	97 -	1	1464	1	1458
UN07386	Rsa1.0.00596.1	595	73578	0	577	591	97 +	5	593	25972	26562
UN07387	Rsa1.0.00635.1	1461	175826	0	1110	1164	95 -	3	1165	106336	107492
UN07388	Rsa1.0.02415.1	1100	31609	0	362	369	98 -	3	369	14	382
UN07389	Rsa1.0.01160.1	2380	52068	0	1058	1108	95 -	1273	2380	24440	25545
UN07390	Rsa1.0.00578.1	521	74581	0	504	522	96 +	3	519	57295	57811
UN07391	Rsa1.0.02207.1	951	33914	0	461	468	98 +	487	951	12982	13449
UN07392	Rsa1.0.07214.1	666	9708	0	423	436	97 +	1	436	2079	2514
UN07393	Rsa1.0.00713.1	983	158017	0	481	491	97 -	493	983	49880	50365
UN07394	Rsa1.0.00911.1	1606	59943	0	1563	1597	97 +	7	1602	40315	41908
UN07395	Rsa1.0.01295.1	655	49040	0	615	647	95 -	3	647	48351	48997
UN07396	Rsa1.0.02670.1	823	28887	0	435	441	98 +	1	438	15754	16192
UN07397	Rsa1.0.01832.1	1110	38581	0	1100	1106	99 -	4	1108	35770	36874
UN07398	Rsa1.0.00681.1	1505	68779	1.00E-121	280	297	94 +	1	296	52436	52730
UN07399	Rsa1.0.00902.1	765	60241	0	754	766	98 -	1	765	16025	16790
UN07400	Rsa1.0.00123.1	1487	325650	0	625	672	93 -	821	1487	27406	28056
UN07401	Rsa1.0.01179.1	820	51549	0	702	707	99 +	114	820	16747	17450
UN07402	Rsa1.0.15831.1	1473	2398	0	578	580	99 -	650	1229	1	580
UN07403	Rsa1.0.00748.1	596	65983	1.00E-120	250	257	97 +	341	596	65464	65716
UN07404	Rsa1.0.02586.1	2148	29856	0	965	971	99 -	1	971	3551	4521
UN07405	Rsa1.0.00131.1	795	432233	0	774	796	97 -	1	795	79118	79913
UN07406	Rsa1.0.00220.1	1012	192936	0	573	587	97 +	427	1012	28752	29333
UN07407	Rsa1.0.01247.1	1508	49934	0	621	622	99 +	513	1134	31079	31700
UN07408	Rsa1.0.00178.1	836	114861	0	813	839	96 +	1	836	90963	91790

UN07409	Rsa1.0.00136.1	949	122464	0	594	602	98 -	1	602	77555	78155
UN07410	Rsa1.0.00105.1	1219	134138	0	614	628	97 -	1	625	107748	108366
UN07411	Rsa1.0.02823.1	1189	27588	0	720	736	97 +	1	736	8563	9298
UN07412	Rsa1.0.00418.1	1108	215377	0	1098	1112	98 -	1	1108	24292	25403
UN07413	Rsa1.0.01481.1	1668	184562	0	1655	1669	99 -	2	1668	166739	168407
UN07414	Rsa1.0.01302.1	738	48907	0	370	370	100 -	140	509	4012	4381
UN07415	Rsa1.0.00583.1	1488	74309	1.00E-152	392	433	90 -	1056	1487	23689	24093
UN07416	Rsa1.0.01735.1	737	40128	0	546	546	100 -	189	734	32412	32957
UN07417	Rsa1.0.02251.1	1752	33404	0	1630	1688	96 -	1	1673	19974	21656
UN07418	Rsa1.0.00087.1	1182	761073	0	511	545	93 +	645	1181	213537	214070
UN07419	Rsa1.0.00384.1	827	89278	0	791	796	99 -	34	827	24218	25013
UN07420	Rsa1.0.00144.1	1073	120708	4.00E-78	155	157	98 +	340	496	66013	66169
UN07421	Rsa1.0.04184.1	1663	18598	5.00E-75	158	160	98 +	3	160	3488	3647
UN07422	Rsa1.0.01207.1	813	141053	0	526	526	100 +	7	532	116977	117502
UN07423	Rsa1.0.00213.1	1319	108167	0	644	659	97 -	661	1319	81596	82254
UN07424	Rsa1.0.00512.1	987	200277	0	987	988	99 +	1	987	32090	33077
UN07425	Rsa1.0.04554.1	1138	16876	0	763	777	98 -	1	774	3567	4343
UN07426	Rsa1.0.03176.1	1290	24801	1.00E-138	287	299	95 +	635	930	14352	14650
UN07427	Rsa1.0.00116.1	1393	365886	0	1356	1390	97 +	1	1389	211992	213375
UN07428	Rsa1.0.02810.1	921	27671	1.00E-160	287	287	100 +	296	582	17019	17305
UN07429	Rsa1.0.00636.1	1428	71113	0	441	454	97 +	905	1358	11206	11659
UN07430	Rsa1.0.01440.1	1291	45807	0	661	661	100 -	1	661	24779	25439
UN07431	Rsa1.0.00104.1	1232	368722	0	843	881	95 +	362	1232	213055	213934
UN07432	Rsa1.0.01016.1	1701	181422	2.33E-156	347	371	93 +	399	768	47315	47677
UN07433	Rsa1.0.00154.1	1391	189461	0	835	854	97 -	2	855	105326	106176
UN07434	Rsa1.0.00018.1	1445	410899	1.00E-111	238	250	95 +	1195	1444	244894	245136
UN07435	Rsa1.0.00583.1	1116	74309	0	422	423	99 +	441	862	19134	19556
UN07436	Rsa1.0.00019.1	1407	301669	0	1388	1405	98 +	1	1403	204380	205784
UN07437	Rsa1.0.02810.1	1192	27671	0	639	639	100 +	3	641	13145	13783
UN07438	Rsa1.0.01361.1	1173	47226	1.00E-132	249	252	98 -	241	492	19655	19906
UN07439	Rsa1.0.00293.1	1667	339294	0	447	448	99 -	1	447	306995	307442
UN07440	Rsa1.0.00978.1	926	57739	1.00E-170	516	586	88 +	25	601	42017	42599
UN07441	Rsa1.0.00015.1	1492	561803	0	1478	1480	99 -	11	1488	478247	479726
UN07442	Rsa1.0.01232.1	558	155185	0	374	384	97 -	4	386	150401	150783
UN07443	Rsa1.0.01467.1	804	45161	0	560	568	98 +	6	572	39833	40400
UN07444	Rsa1.0.00710.1	608	67325	1.00E-143	383	425	90 +	10	434	43826	44250
UN07445	Rsa1.0.00653.1	1183	70029	0	581	601	96 -	585	1172	54979	55579
UN07446	Rsa1.0.02303.1	1496	32818	0	556	558	99 +	11	566	22242	22799
UN07447	Rsa1.0.00182.1	1210	142305	0	1208	1208	100 +	3	1210	35081	36288

UN07448	Rsa1.0.05498.1	771	13523	7.00E-79	218	238	91 -	536	771	3005	3242
UN07449	Rsa1.0.01444.1	1586	169539	0	1240	1273	97 -	321	1586	132361	133633
UN07450	Rsa1.0.05687.1	1379	12932	0	576	583	98 +	798	1376	3372	3954
UN07451	Rsa1.0.06124.1	1423	11681	0	1418	1421	99 +	1	1421	6262	7682
UN07452	Rsa1.0.01170.1	1185	161131	1.00E-176	313	313	100 +	464	776	131509	131821
UN07453	Rsa1.0.00243.1	1304	103651	0	922	922	100 -	383	1304	20395	21316
UN07454	Rsa1.0.00091.1	1107	139699	0	1083	1107	97 +	1	1107	51334	52440
UN07455	Rsa1.0.33295.1	871	682	1.00E-142	257	257	100 -	582	838	112	368
UN07456	Rsa1.0.04236.1	917	18370	0	670	694	96 +	30	723	14257	14950
UN07457	Rsa1.0.00058.1	1538	159921	0	1112	1161	95 -	388	1534	81157	82313
UN07458	Rsa1.0.00175.1	623	166121	0	611	624	97 +	1	623	82963	83580
UN07459	Rsa1.0.13183.1	835	4979	1.00E-154	282	284	99 -	1	284	4420	4703
UN07460	Rsa1.0.02867.1	1095	27121	1.00E-178	317	317	100 -	2	318	17565	17881
UN07461	Rsa1.0.00188.1	661	112020	1.00E-128	300	321	93 -	1	321	72058	72377
UN07462	Rsa1.0.00421.1	1488	86365	4.00E-91	180	183	98 -	531	713	37110	37292
UN07463	Rsa1.0.00051.1	1209	258225	0	400	402	99 -	1	401	104805	105206
UN07464	Rsa1.0.01204.1	1750	50843	0	876	903	97 +	477	1378	28520	29422
UN07465	Rsa1.0.00110.1	890	132719	0	758	758	100 +	1	758	131239	131996
UN07466	Rsa1.0.00305.1	1232	97308	0	761	761	100 +	1	761	92414	93174
UN07467	Rsa1.0.00071.1	939	345714	0	866	875	98 +	65	939	141582	142456
UN07468	Rsa1.0.00397.1	1295	88189	0	709	709	100 -	587	1295	64534	65242
UN07469	Rsa1.0.04794.1	666	15960	0	665	665	100 +	2	666	4544	5208
UN07470	Rsa1.0.00075.1	1116	146680	0	1058	1128	93 +	1	1116	140486	141604
UN07471	Rsa1.0.00011.1	1249	225044	0	1224	1243	98 +	8	1249	40734	41976
UN07472	Rsa1.0.00096.1	1330	198773	1.00E-148	270	271	99 +	3	273	171654	171924
UN07473	Rsa1.0.00275.1	1401	210104	1.00E-169	339	349	97 +	3	350	176395	176741
UN07474	Rsa1.0.02228.1	880	33688	0	793	793	100 -	88	880	13513	14305
UN07475	Rsa1.0.00105.1	1597	134138	0	715	773	92 -	829	1597	62079	62819
UN07476	Rsa1.0.03280.1	1374	145083	0	1334	1384	96 -	1	1374	3	1383
UN07477	Rsa1.0.00071.1	1101	345714	0	1085	1101	98 +	4	1101	147814	148914
UN07478	Rsa1.0.00087.1	1327	761073	0	472	492	95 -	838	1327	119142	119633
UN07479	Rsa1.0.00531.1	1718	77387	0	886	898	98 -	1	898	9144	10037
UN07480	Rsa1.0.00758.1	1811	65477	0	627	628	99 +	1184	1811	2037	2664
UN07481	Rsa1.0.02867.1	1517	27121	0	737	789	93 -	710	1492	9763	10535
UN07482	Rsa1.0.01873.1	1851	37903	0	566	566	100 +	4	569	5295	5860
UN07483	Rsa1.0.00913.1	1312	59914	0	749	796	94 -	520	1312	726	1495
UN07484	Rsa1.0.00046.1	1162	320315	0	1066	1091	97 +	72	1162	23945	25035
UN07485	Rsa1.0.01403.1	1335	46453	0	698	714	97 -	74	787	39504	40217
UN07486	Rsa1.0.00361.1	1292	91181	0	769	779	98 +	176	951	23667	24445

UN07487	Rsa1.0.03387.1	1479	23278	0	593	593	100 +	1	593	336	928
UN07488	Rsa1.0.06489.1	1232	10917	0	888	899	98 +	334	1232	3538	4436
UN07489	#	#	#	#	#	#	#	#	#	#	#
UN07490	Rsa1.0.00017.1	1457	752458	0	661	681	97 -	3	683	368688	369367
UN07491	Rsa1.0.15995.1	1189	2328	0	836	841	99 -	349	1189	1171	2011
UN07492	Rsa1.0.00635.1	1609	175826	0	1053	1062	99 +	114	1174	106336	107397
UN07493	Rsa1.0.07618.1	938	9015	2.00E-82	159	160	99 +	1	160	4938	5097
UN07494	Rsa1.0.00222.1	929	172263	1.00E-174	316	318	99 -	3	320	131334	131651
UN07495	Rsa1.0.00565.1	1157	75420	0	1138	1171	97 +	9	1155	47886	49056
UN07496	Rsa1.0.04032.1	1040	19489	0	406	422	96 +	2	423	6359	6776
UN07497	Rsa1.0.00286.1	1189	98709	0	380	383	99 +	807	1189	61172	61554
UN07498	Rsa1.0.01524.1	988	43949	0	356	361	98 -	629	987	43079	43439
UN07499	Rsa1.0.01400.1	930	46560	0	357	363	98 -	191	553	822	1184
UN07500	Rsa1.0.00642.1	1083	201230	0	644	646	99 +	2	647	173316	173961
UN07501	Rsa1.0.03200.1	1111	24634	0	581	581	100 -	529	1109	3607	4187
UN07502	Rsa1.0.00022.1	1236	200461	0	959	962	99 +	275	1236	139496	140457
UN07503	Rsa1.0.00218.1	1344	201480	1.00E-144	263	264	99 +	1	264	109770	110033
UN07504	Rsa1.0.00402.1	1271	385315	0	1214	1256	96 -	3	1252	228250	229499
UN07505	Rsa1.0.00065.1	585	454616	1.00E-178	361	373	96 -	1	367	439453	439824
UN07506	Rsa1.0.01117.1	901	53465	0	380	381	99 +	1	381	10874	11254
UN07507	Rsa1.0.38494.1	753	585	0	581	585	99 +	39	623	1	584
UN07508	Rsa1.0.00001.1	829	363028	0	807	838	96 -	3	829	281745	282569
UN07509	Rsa1.0.00650.1	1741	70235	1.00E-155	314	326	96 +	756	1081	2442	2767
UN07510	Rsa1.0.00061.1	698	218685	1.00E-108	309	341	90 +	16	352	118933	119266
UN07511	Rsa1.0.03420.1	1449	23090	1.00E-151	274	275	99 +	7	281	4797	5071
UN07512	Rsa1.0.45543.1	1579	495	0	494	495	99 +	470	964	1	495
UN07513	Rsa1.0.10284.1	1453	5904	0	457	471	97 +	984	1453	1260	1730
UN07514	Rsa1.0.03075.1	1365	25560	0	493	510	96 -	857	1365	16382	16890
UN07515	Rsa1.0.00033.1	694	515811	0	638	670	95 +	1	661	352589	353258
UN07516	Rsa1.0.01767.1	1020	39615	0	458	466	98 -	365	830	32312	32777
UN07517	Rsa1.0.16049.1	1464	2306	0	1289	1292	99 -	1	1291	695	1986
UN07518	Rsa1.0.02345.1	1491	32337	0	519	551	94 -	854	1400	21144	21688
UN07519	Rsa1.0.00606.1	1564	73150	0	567	569	99 +	286	854	64517	65085
UN07520	Rsa1.0.00017.1	782	752458	0	391	393	99 +	388	780	444997	445389
UN07521	Rsa1.0.01655.1	1309	41508	0	481	481	100 +	829	1309	6342	6822
UN07522	Rsa1.0.04057.1	1750	19333	0	634	649	97 +	395	1043	16812	17460
UN07523	Rsa1.0.00114.1	844	131330	0	840	843	99 +	1	842	88134	88976
UN07524	Rsa1.0.07440.1	1212	9389	0	1180	1214	97 +	3	1211	4099	5312
UN07525	Rsa1.0.00372.1	1710	90418	0	780	815	95 -	1	814	47277	48069

UN07526	Rsa1.0_12214.1	2682	5287	0	1053	1073	98 -	558	1624	4153	5225
UN07527	Rsa1.0_19376.1	1061	1441	2.00E-85	167	169	98 +	445	613	633	801
UN07528	Rsa1.0_07157.1	1064	9805	1.00E-176	313	313	100 -	127	439	4990	5302
UN07529	Rsa1.0_01498.1	2048	44558	0	452	453	99 +	1	453	38005	38457
UN07530	Rsa1.0_00060.1	1554	502678	0	1544	1560	98 +	1	1553	483821	485380
UN07531	Rsa1.0_00128.1	834	228675	1.00E-162	314	322	97 -	392	713	116359	116680
UN07532	Rsa1.0_00740.1	2092	215972	0	860	861	99 +	2	862	29410	30270
UN07533	Rsa1.0_00452.1	1186	83201	1.00E-119	224	226	99 +	662	887	77985	78210
UN07534	Rsa1.0_00322.1	1092	212233	1.00E-142	314	328	95 -	745	1068	92264	92586
UN07535	Rsa1.0_02191.1	1323	34078	0	455	455	100 +	869	1323	23641	24095
UN07536	Rsa1.0_08388.1	1168	7436	0	1059	1114	95 +	1	1093	4633	5745
UN07537	Rsa1.0_06004.1	931	11961	1.00E-93	175	175	100 -	110	284	8503	8677
UN07538	Rsa1.0_02659.1	1431	28971	0	549	560	98 -	867	1426	22635	23193
UN07539	Rsa1.0_00349.1	852	92621	1.00E-157	351	373	94 +	484	850	45076	45447
UN07540	Rsa1.0_00211.1	1409	228189	0	570	603	94 +	718	1311	8747	9346
UN07541	Rsa1.0_00322.1	1220	212233	0	614	635	96 -	583	1211	63652	64286
UN07542	Rsa1.0_04630.1	1131	16595	0	778	785	99 +	2	783	13109	13893
UN07543	Rsa1.0_01855.1	1845	38204	0	486	510	95 +	1314	1820	12699	13208
UN07544	Rsa1.0_01035.1	1031	56019	0	531	540	98 +	490	1029	34973	35511
UN07545	Rsa1.0_03706.1	1742	21255	0	354	361	98 +	627	987	10986	11346
UN07546	Rsa1.0_01785.1	2003	39368	0	641	644	99 -	1	644	21165	21805
UN07547	Rsa1.0_17771.1	1421	1744	0	886	913	97 +	3	915	281	1193
UN07548	Rsa1.0_06341.1	1058	11209	1.00E-180	345	352	98 +	1	351	2347	2698
UN07549	Rsa1.0_04292.1	1044	18050	1.00E-121	233	237	98 +	1	237	7886	8122
UN07550	Rsa1.0_55259.1	1466	413	0	407	413	98 +	30	442	1	413
UN07551	Rsa1.0_16602.1	1350	2094	0	782	808	96 -	74	876	1	800
UN07552	Rsa1.0_00196.1	1198	109960	0	762	786	96 +	420	1196	90095	90880
UN07553	Rsa1.0_02039.1	2447	35699	0	1437	1501	95 +	608	2098	2375	3859
UN07554	Rsa1.0_02374.1	847	32043	0	772	806	95 +	46	847	24237	25038
UN07555	Rsa1.0_00835.1	1065	278058	0	792	807	98 +	254	1053	265120	265926
UN07556	Rsa1.0_00825.1	1071	62855	0	456	494	92 +	1	484	49159	49643
UN07557	Rsa1.0_00817.1	536	62961	0	534	537	99 -	1	536	44954	45490
UN07558	Rsa1.0_01220.1	1188	161775	0	566	568	99 -	1	568	27217	27784
UN07559	Rsa1.0_00228.1	1009	105511	0	419	427	98 -	2	425	77923	78349
UN07560	Rsa1.0_02186.1	1247	34150	1.00E-162	337	349	96 -	899	1246	13886	14231
UN07561	Rsa1.0_06048.1	1162	11854	1.00E-148	270	271	99 -	626	896	2079	2349
UN07562	Rsa1.0_00081.1	1259	143261	0	759	760	99 +	346	1105	118585	119344
UN07563	Rsa1.0_00302.1	1076	97521	0	552	552	100 +	2	553	32203	32754
UN07564	Rsa1.0_00177.1	1717	143394	0	765	804	95 +	362	1165	36345	37135

UN07565	Rsa1.0.00323.1	1150	159650	0	512	526	97 +	3	528	99362	99878
UN07566	Rsa1.0.04664.1	973	16471	1.00E-131	253	258	98 +	10	267	2331	2588
UN07567	Rsa1.0.00012.1	1017	222148	0	357	360	99 +	658	1017	189098	189457
UN07568	Rsa1.0.00413.1	994	86921	2.33E-156	316	330	95 +	1	329	37460	37781
UN07569	Rsa1.0.24496.1	1435	985	0	526	530	99 -	2	531	216	744
UN07570	Rsa1.0.01540.1	2276	151890	0	1294	1371	94 -	86	1431	139025	140386
UN07571	Rsa1.0.00250.1	728	273771	0	686	699	98 +	3	700	249892	250590
UN07572	Rsa1.0.00651.1	1050	247766	1.00E-158	302	307	98 +	744	1050	219195	219500
UN07573	Rsa1.0.00481.1	990	81316	1.00E-77	154	156	98 -	3	158	24855	25010
UN07574	Rsa1.0.03755.1	1643	21000	0	1619	1640	98 -	3	1642	9663	11298
UN07575	Rsa1.0.00296.1	948	97854	0	559	566	98 -	384	948	70192	70757
UN07576	Rsa1.0.00064.1	1233	240927	0	677	698	96 -	535	1232	48554	49243
UN07577	Rsa1.0.00058.1	698	159921	0	425	430	98 -	3	432	135516	135945
UN07578	Rsa1.0.00676.1	971	69166	0	489	504	97 +	470	971	53234	53736
UN07579	Rsa1.0.00069.1	1438	403561	0	473	495	95 -	950	1438	190538	191025
UN07580	Rsa1.0.03379.1	1201	23321	0	596	620	96 -	583	1201	13593	14204
UN07581	Rsa1.0.00548.1	1067	76518	0	473	488	96 -	1	488	35530	36017
UN07582	Rsa1.0.03029.1	1477	25858	0	1064	1083	98 +	1	1080	1296	2378
UN07583	Rsa1.0.00937.1	908	59061	0	350	357	98 -	545	897	6816	7172
UN07584	Rsa1.0.00050.1	1463	237174	0	587	609	96 +	1	609	28676	29282
UN07585	Rsa1.0.00440.1	1621	84723	0	379	385	98 +	120	504	56532	56916
UN07586	Rsa1.0.00181.1	1052	114269	1.00E-128	431	493	87 -	227	719	31685	32174
UN07587	Rsa1.0.02404.1	1188	31702	5.00E-16	123	149	82 +	843	991	5901	6049
UN07588	Rsa1.0.00055.1	1488	520193	0	808	813	99 +	1	813	289692	290503
UN07589	Rsa1.0.09932.1	1373	6085	0	1289	1355	95 +	2	1339	927	2264
UN07590	Rsa1.0.01625.1	866	42019	1.00E-102	319	361	88 +	482	842	34139	34483
UN07591	Rsa1.0.00208.1	1100	108565	0	531	545	97 +	559	1100	12221	12761
UN07592	Rsa1.0.00127.1	1278	127446	1.00E-136	260	263	98 -	1015	1277	48690	48951
UN07593	Rsa1.0.01855.1	1281	38204	0	625	638	97 -	647	1281	30495	31132
UN07594	Rsa1.0.01452.1	1089	45459	1.00E-139	254	255	99 +	834	1088	38660	38914
UN07595	Rsa1.0.02941.1	1264	26583	0	580	592	97 +	673	1264	13703	14294
UN07596	Rsa1.0.00558.1	1447	75819	0	1218	1266	96 +	1	1264	34745	35995
UN07597	Rsa1.0.00426.1	1104	85668	0	396	405	97 -	1	405	59558	59959
UN07598	Rsa1.0.02654.1	1561	29028	0	893	908	98 -	5	912	23477	24384
UN07599	Rsa1.0.00026.1	1125	327835	1.00E-108	216	221	97 +	1	221	183744	183961
UN07600	Rsa1.0.02259.1	1354	33299	0	749	758	98 -	284	1041	25779	26536
UN07601	Rsa1.0.00516.1	1429	78417	0	728	739	98 -	2	740	40369	41107
UN07602	Rsa1.0.00022.1	1237	200461	0	1206	1236	97 -	1	1236	193769	194985
UN07603	Rsa1.0.07630.1	1972	8988	0	417	418	99 +	1555	1972	4066	4483

UN07604	Rsa1.0_00012.1	2446	222148	0	598	600	99 -	789	1388	88471	89069
UN07605	Rsa1.0_01614.1	953	42238	0	411	427	96 -	527	953	33551	33966
UN07606	Rsa1.0_00915.1	1588	194446	0	1270	1330	95 +	2	1331	180468	181796
UN07607	Rsa1.0_05628.1	959	13130	0	513	524	97 +	439	959	11862	12383
UN07608	Rsa1.0_00027.1	1341	283362	0	353	357	98 -	1	357	153443	153798
UN07609	Rsa1.0_00440.1	2093	84723	0	487	522	93 +	1031	1549	24888	25398
UN07610	Rsa1.0_08424.1	941	7375	0	612	625	97 +	1	624	782	1406
UN07611	Rsa1.0_00164.1	1081	116642	0	1061	1078	98 +	3	1080	6177	7251
UN07612	Rsa1.0_00038.1	1394	314568	0	571	580	98 -	814	1392	240906	241485
UN07613	Rsa1.0_25563.1	2195	931	0	779	779	100 -	511	1289	153	931
UN07614	Rsa1.0_07827.1	1410	8466	0	746	754	98 +	10	762	4273	5025
UN07615	Rsa1.0_02514.1	928	30642	0	882	926	95 -	1	925	8822	9737
UN07616	Rsa1.0_00072.1	1186	148743	1.00E-129	344	381	90 +	807	1186	68937	69307
UN07617	Rsa1.0_00049.1	1245	167018	0	370	373	99 -	873	1245	57777	58149
UN07618	Rsa1.0_00627.1	1090	71566	0	697	719	96 +	118	835	60232	60950
UN07619	Rsa1.0_00537.1	807	186980	0	700	734	95 -	49	765	173882	174614
UN07620	Rsa1.0_00017.1	1324	752458	0	974	1021	95 -	297	1302	56037	57054
UN07621	Rsa1.0_00096.1	1397	198773	0	617	617	100 -	781	1397	119398	120014
UN07622	Rsa1.0_03721.1	1551	21185	1.00E-141	258	259	99 -	1260	1518	20888	21146
UN07623	Rsa1.0_00001.1	1391	363028	0	554	558	99 -	833	1390	139974	140531
UN07624	Rsa1.0_06130.1	1300	11667	0	656	660	99 +	124	783	680	1339
UN07625	Rsa1.0_01004.1	1180	56975	0	488	489	99 +	692	1180	3551	4039
UN07626	Rsa1.0_00211.1	563	228189	1.00E-114	228	233	97 -	326	558	134586	134817
UN07627	Rsa1.0_22066.1	884	1152	1.00E-173	338	348	97 -	516	863	805	1152
UN07628	Rsa1.0_00019.1	1073	301669	0	932	949	98 -	135	1072	57759	58707
UN07629	Rsa1.0_00359.1	1297	91256	0	1081	1089	99 +	210	1297	21708	22796
UN07630	Rsa1.0_01480.1	1713	44926	0	432	436	99 -	1278	1713	31947	32382
UN07631	Rsa1.0_00188.1	1171	112020	0	445	460	96 +	529	985	74179	74638
UN07632	Rsa1.0_08437.1	914	7357	0	909	914	99 -	2	914	1867	2780
UN07633	Rsa1.0_00201.1	1095	232851	1.00E-169	316	320	98 +	1	320	212076	212392
UN07634	Rsa1.0_01586.1	1267	42804	0	658	658	100 +	140	797	20465	21122
UN07635	Rsa1.0_04552.1	1133	16878	0	1130	1135	99 +	3	1133	1775	2909
UN07636	Rsa1.0_00668.1	1625	69421	0	394	399	98 +	1227	1625	47385	47782
UN07637	Rsa1.0_04739.1	975	16167	0	476	479	99 +	1	478	12747	13224
UN07638	Rsa1.0_02544.1	1264	30290	0	398	404	98 -	860	1263	5350	5753
UN07639	Rsa1.0_00341.1	804	249309	5.00E-86	177	182	97 +	418	599	121074	121255
UN07640	Rsa1.0_00692.1	1298	68151	0	561	571	98 +	123	693	27013	27583
UN07641	Rsa1.0_24802.1	1002	967	0	641	646	99 +	4	649	325	967
UN07642	Rsa1.0_00127.1	1068	127446	0	522	523	99 -	546	1068	16886	17408

UN07643	Rsa1.0.01189.1	415	51358	0	327	328	99 +	88	415	42574	42901
UN07644	Rsa1.0.02515.1	1467	30616	0	450	452	99 +	1016	1467	9025	9476
UN07645	Rsa1.0.00860.1	1248	61789	0	785	806	97 -	451	1248	30854	31659
UN07646	Rsa1.0.01233.1	1451	50184	0	1419	1451	97 -	3	1449	7711	9159
UN07647	Rsa1.0.00146.1	1047	149343	0	525	547	95 +	501	1047	63621	64163
UN07648	Rsa1.0.00925.1	949	59481	0	782	827	94 -	39	857	3312	4137
UN07649	Rsa1.0.00013.1	1528	292129	0	540	547	98 +	3	549	194728	195272
UN07650	Rsa1.0.00822.1	925	62891	0	739	787	93 +	2	785	4892	5678
UN07651	Rsa1.0.00013.1	1188	292129	1.00E-62	204	229	89 +	709	937	199158	199382
UN07652	Rsa1.0.02165.1	916	34423	0	913	920	99 -	3	915	15019	15938
UN07653	Rsa1.0.01930.1	735	37189	0	727	737	98 -	6	735	1049	1785
UN07654	Rsa1.0.00733.1	1300	66583	0	660	661	99 -	639	1299	53663	54323
UN07655	Rsa1.0.00168.1	1645	115870	1.00E-140	263	266	98 +	1379	1644	51784	52049
UN07656	Rsa1.0.01286.1	764	49209	7.00E-82	161	163	98 -	294	456	11594	11756
UN07657	Rsa1.0.03302.1	659	23898	1.00E-149	354	381	92 -	288	659	11619	11999
UN07658	Rsa1.0.03959.1	884	19866	0	345	349	98 -	5	353	165	512
UN07659	Rsa1.0.05570.1	1120	13301	1.00E-128	243	245	99 +	876	1120	6286	6529
UN07660	Rsa1.0.00123.1	1950	325650	0	1372	1373	99 -	230	1602	94779	96151
UN07661	Rsa1.0.00194.1	958	110851	0	550	553	99 -	1	553	85703	86255
UN07662	Rsa1.0.00172.1	1498	115476	0	870	882	98 -	200	1080	48895	49775
UN07663	Rsa1.0.00581.1	1241	163575	1.00E-108	251	262	95 -	982	1240	28074	28332
UN07664	Rsa1.0.08563.1	945	7193	0	929	941	98 -	4	944	632	1571
UN07665	Rsa1.0.00071.1	1016	345714	0	394	401	98 -	616	1016	5731	6127
UN07666	Rsa1.0.08979.1	919	6739	0	889	919	96 -	2	919	4259	5177
UN07667	Rsa1.0.01011.1	1765	56883	0	839	847	99 +	917	1763	22128	22974
UN07668	Rsa1.0.00221.1	839	106972	0	327	329	99 +	1	329	62498	62826
UN07669	Rsa1.0.01148.1	933	52375	0	514	522	98 -	415	933	27927	28448
UN07670	Rsa1.0.00016.1	661	831256	1.00E-64	210	238	88 -	159	396	685024	685261
UN07671	Rsa1.0.01311.1	1184	48456	0	543	553	98 -	632	1184	46824	47376
UN07672	Rsa1.0.00352.1	1328	92266	0	741	750	98 -	581	1328	13887	14636
UN07673	Rsa1.0.00575.1	896	74791	0	885	901	98 -	2	896	29333	30232
UN07674	Rsa1.0.02499.1	668	30774	0	343	347	98 -	1	347	21561	21907
UN07675	Rsa1.0.01560.1	1073	43256	0	1060	1072	98 -	1	1072	19325	20396
UN07676	Rsa1.0.00714.1	1188	67187	0	1003	1010	99 +	179	1188	41615	42624
UN07677	Rsa1.0.00046.1	1798	320315	0	695	723	96 +	1080	1798	52012	52728
UN07678	Rsa1.0.01384.1	1093	46803	0	364	372	97 -	721	1092	29348	29719
UN07679	Rsa1.0.00128.1	1088	228675	0	578	597	96 +	2	597	188508	189104
UN07680	Rsa1.0.01776.1	1097	39511	0	539	579	93 -	518	1095	26754	27327
UN07681	Rsa1.0.00963.1	804	58176	0	342	348	98 -	18	365	44669	45016

UN07682	Rsa1.0.02160.1	1758	34468	1.00E-177	349	360	96 +	912	1271	20593	20952
UN07683	Rsa1.0.00025.1	1134	277312	0	461	464	99 +	3	466	121941	122403
UN07684	Rsa1.0.00053.1	1119	263459	0	375	391	95 +	729	1119	207739	208128
UN07685	Rsa1.0.03885.1	657	20256	0	435	442	98 -	214	655	10316	10756
UN07686	Rsa1.0_10685.1	1557	5756	0	439	440	99 +	25	464	354	793
UN07687	Rsa1.0_00100.1	984	249232	1.00E-143	359	392	91 +	523	907	8737	9127
UN07688	Rsa1.0.00372.1	1175	90418	0	503	526	95 +	642	1160	20630	21154
UN07689	Rsa1.0.00675.1	1132	145590	0	460	490	93 -	644	1132	45253	45726
UN07690	Rsa1.0.01884.1	697	37659	0	350	354	98 +	1	354	32322	32675
UN07691	Rsa1.0.01171.1	1421	51752	0	449	470	95 +	6	464	35724	36193
UN07692	Rsa1.0.00808.1	1099	63351	0	349	354	98 -	542	895	60275	60627
UN07693	Rsa1.0.00653.1	726	70029	0	716	734	97 -	1	725	41924	42656
UN07694	Rsa1.0.34912.1	1156	648	0	647	648	99 -	54	701	1	648
UN07695	Rsa1.0.04356.1	796	17764	0	707	772	91 -	32	796	10449	11204
UN07696	Rsa1.0.04364.1	1094	17734	0	1051	1091	96 +	3	1093	4195	5278
UN07697	Rsa1.0.01798.1	1146	173909	1.00E-174	313	314	99 -	665	978	162337	162650
UN07698	Rsa1.0.00092.1	1044	659932	0	468	471	99 -	3	472	173928	174396
UN07699	Rsa1.0.02492.1	1140	30859	0	596	610	97 -	534	1140	18258	18867
UN07700	Rsa1.0.02382.1	1323	31969	0	1300	1318	98 -	2	1319	18123	19440
UN07701	Rsa1.0.05554.1	316	13343	1.00E-147	304	316	96 -	2	316	12366	12681
UN07702	Rsa1.0.00810.1	715	63289	0	547	577	94 -	129	699	26680	27247
UN07703	Rsa1.0_14690.1	961	3155	0	390	396	98 -	26	417	137	532
UN07704	Rsa1.0_05931.1	845	12210	0	482	494	97 +	2	491	7419	7912
UN07705	Rsa1.0.22303.1	1496	1132	0	619	634	97 +	749	1382	499	1132
UN07706	Rsa1.0.00050.1	1037	237174	0	775	799	96 -	1	799	165538	166334
UN07707	Rsa1.0.00234.1	728	197060	0	555	601	92 -	135	728	14744	15331
UN07708	Rsa1.0.00146.1	1378	149343	0	1268	1308	96 +	2	1309	138139	139422
UN07709	Rsa1.0.13606.1	684	4648	0	480	482	99 +	202	683	369	850
UN07710	Rsa1.0.00325.1	1268	95371	0	1259	1268	99 -	1	1268	10700	11967
UN07711	Rsa1.0.02995.1	930	26163	1.00E-89	433	514	84 -	201	709	9948	10458
UN07712	Rsa1.0.00139.1	1429	357786	0	731	745	98 +	679	1422	7572	8316
UN07713	Rsa1.0.02903.1	655	26901	1.00E-106	202	204	99 -	452	655	3348	3551
UN07714	Rsa1.0.00113.1	1657	131574	0	410	411	99 -	1240	1650	69445	69855
UN07715	Rsa1.0.01069.1	1516	55113	0	642	644	99 +	250	893	52790	53433
UN07716	Rsa1.0.00178.1	963	114861	0	408	420	97 +	547	963	88533	88950
UN07717	Rsa1.0.03836.1	880	20564	0	864	881	98 +	2	878	16989	17868
UN07718	Rsa1.0.01385.1	1131	46782	0	1112	1128	98 -	2	1129	25913	27040
UN07719	Rsa1.0.00797.1	610	63959	0	380	381	99 +	176	556	17835	18215
UN07720	Rsa1.0.03376.1	1274	23326	0	371	376	98 -	2	377	14936	15311

UN07721	Rsa1.0_04224.1	1220	18402	0	494	521	94 -	696	1204	10838	11357
UN07722	Rsa1.0_00152.1	1435	257730	0	1261	1293	97 +	142	1434	68322	69602
UN07723	Rsa1.0_00056.1	1777	332604	0	493	503	98 +	1275	1777	141016	141512
UN07724	Rsa1.0_08186.1	1041	7770	1.00E-56	125	128	97 -	894	1019	7038	7165
UN07725	Rsa1.0_01817.1	952	38849	1.00E-164	297	298	99 -	1	298	34315	34612
UN07726	Rsa1.0_00175.1	653	166121	1.00E-133	299	317	94 -	3	319	104859	105174
UN07727	Rsa1.0_00706.1	1137	291570	0	458	461	99 +	280	740	14249	14709
UN07728	Rsa1.0_00078.1	1216	175053	0	1156	1223	94 +	16	1215	8988	10201
UN07729	Rsa1.0_02057.1	782	35540	1.00E-105	216	222	97 +	4	224	22336	22557
UN07730	Rsa1.0_00305.1	516	97308	1.00E-169	336	344	97 -	1	342	91981	92322
UN07731	Rsa1.0_00339.1	1082	222974	0	541	548	98 +	3	550	202288	202834
UN07732	Rsa1.0_01997.1	830	158416	0	808	857	94 -	1	830	3758	4612
UN07733	Rsa1.0_04358.1	1288	17759	0	399	399	100 +	890	1288	2339	2737
UN07734	Rsa1.0_02276.1	1641	33098	0	1456	1462	99 -	180	1641	22981	24442
UN07735	Rsa1.0_00626.1	1661	71582	0	1020	1022	99 +	1	1022	51792	52813
UN07736	Rsa1.0_00402.1	1156	385315	0	623	659	94 +	514	1155	233226	233884
UN07737	Rsa1.0_00980.1	1915	57729	0	1064	1066	99 +	1	1064	3677	4742
UN07738	Rsa1.0_01636.1	881	41863	0	570	583	97 -	299	881	24299	24878
UN07739	Rsa1.0_00089.1	977	406142	0	434	455	95 +	524	977	351768	352214
UN07740	Rsa1.0_00048.1	650	167185	1.00E-132	255	260	98 +	391	650	4502	4761
UN07741	Rsa1.0_00049.1	1728	167018	0	1152	1193	96 -	84	1276	45113	46302
UN07742	Rsa1.0_00433.1	948	85381	0	869	889	97 -	46	933	10340	11228
UN07743	Rsa1.0_00476.1	728	280966	1.00E-104	219	228	96 -	267	494	165837	166064
UN07744	Rsa1.0_06010.1	1522	11944	0	666	750	88 +	627	1375	4866	5615
UN07745	Rsa1.0_00359.1	1528	91256	0	491	493	99 +	354	846	3010	3502
UN07746	Rsa1.0_00108.1	1106	478491	1.00E-132	245	247	99 +	860	1106	43807	44053
UN07747	Rsa1.0_00017.1	1862	752458	0	416	416	100 -	1020	1435	627344	627759
UN07748	Rsa1.0_00052.1	503	162771	0	497	501	99 +	3	503	72079	72578
UN07749	Rsa1.0_02685.1	1361	28669	0	1216	1257	96 -	63	1319	6968	8219
UN07750	Rsa1.0_00911.1	744	59943	1.00E-126	250	257	97 -	488	744	11489	11745
UN07751	Rsa1.0_01609.1	1659	42280	0	1327	1331	99 +	3	1333	34645	35975
UN07752	Rsa1.0_08503.1	659	7259	0	645	647	99 +	13	659	749	1395
UN07753	Rsa1.0_01092.1	2800	54348	0	769	828	92 +	1955	2761	43979	44800
UN07754	Rsa1.0_01722.1	675	40320	0	427	429	99 +	246	673	36699	37126
UN07755	Rsa1.0_14798.1	430	3060	1.00E-106	209	212	98 +	2	212	135	346
UN07756	Rsa1.0_04210.1	1385	18442	1.00E-153	292	297	98 -	1085	1381	1611	1904
UN07757	Rsa1.0_02645.1	1457	29158	0	918	918	100 -	540	1457	20181	21098
UN07758	Rsa1.0_00896.1	816	60509	1.00E-174	319	322	99 +	270	591	16503	16824
UN07759	Rsa1.0_00124.1	1109	262503	1.00E-172	309	310	99 +	1	310	91257	91566

UN07760	Rsa1.0_00782.1	1068	64468	0	385	390	98 +	3	392	58826	59215
UN07761	Rsa1.0_00576.1	765	178949	0	714	749	95 +	3	747	61942	62672
UN07762	Rsa1.0_00706.1	1454	291570	1.00E-151	284	288	98 +	1167	1454	163168	163455
UN07763	Rsa1.0_02299.1	1218	32857	0	775	779	99 -	1	779	28565	29343
UN07764	Rsa1.0_15710.1	1463	2468	0	659	667	98 -	258	924	820	1486
UN07765	Rsa1.0_00564.1	1950	75428	0	1441	1478	97 +	39	1516	34347	35821
UN07766	Rsa1.0_08046.1	859	8014	0	465	511	90 +	371	859	472	970
UN07767	Rsa1.0_02714.1	1556	28470	0	442	442	100 -	1	442	1989	2430
UN07768	#	#	#	#	#	#	#	#	#	#	#
UN07769	Rsa1.0_00061.1	972	218685	0	344	344	100 -	629	972	166142	166485
UN07770	Rsa1.0_00273.1	1659	326186	0	837	843	99 -	817	1658	274597	275439
UN07771	Rsa1.0_00548.1	962	76518	0	351	352	99 +	281	632	30215	30566
UN07772	Rsa1.0_02541.1	1434	30342	1.00E-177	318	319	99 +	68	386	24690	25008
UN07773	Rsa1.0_00145.1	468	261008	0	390	395	98 +	72	466	77467	77861
UN07774	Rsa1.0_01323.1	1643	48152	0	561	563	99 +	411	973	1420	1982
UN07775	Rsa1.0_00368.1	1536	90669	0	853	884	96 +	610	1480	8923	9804
UN07776	Rsa1.0_00266.1	942	163932	0	935	946	98 -	3	942	128758	129703
UN07777	Rsa1.0_00102.1	1071	135497	0	1060	1070	99 -	3	1070	60039	61108
UN07778	Rsa1.0_00078.1	1357	175053	0	1004	1013	99 +	345	1357	119583	120595
UN07779	Rsa1.0_01961.1	1086	36761	0	1083	1084	99 +	1	1084	27368	28451
UN07780	Rsa1.0_00025.1	750	277312	0	737	749	98 +	2	750	242719	243464
UN07781	Rsa1.0_01104.1	661	285480	6.00E-17	118	141	83 +	118	258	277247	277380
UN07782	Rsa1.0_24258.1	1399	997	0	512	518	98 +	857	1374	374	891
UN07783	Rsa1.0_00026.1	738	327835	0	731	736	99 -	3	738	8175	8910
UN07784	Rsa1.0_00564.1	555	75428	0	541	547	98 -	10	555	9198	9744
UN07785	Rsa1.0_25842.1	703	917	0	456	459	99 -	245	703	460	917
UN07786	Rsa1.0_00457.1	788	337301	4.00E-77	150	151	99 +	3	153	297696	297846
UN07787	Rsa1.0_00019.1	731	301669	0	719	730	98 +	3	731	44469	45197
UN07788	Rsa1.0_00131.1	1354	432233	9.00E-98	185	186	99 -	366	551	416768	416953
UN07789	Rsa1.0_00498.1	1355	79746	0	863	890	96 +	2	891	44460	45349
UN07790	Rsa1.0_07127.1	601	9863	0	432	446	96 -	130	574	8986	9430
UN07791	Rsa1.0_00382.1	2203	251946	1.00E-147	297	305	97 -	1826	2128	113820	114124
UN07792	Rsa1.0_05428.1	1128	13789	1.00E-154	286	289	98 -	828	1116	6198	6486
UN07793	Rsa1.0_03842.1	861	20503	0	832	863	96 -	1	861	8206	9064
UN07794	Rsa1.0_00236.1	1571	104771	0	1103	1162	94 -	127	1284	73950	75085
UN07795	Rsa1.0_00250.1	1456	273771	1.00E-155	279	279	100 +	536	814	241495	241773
UN07796	Rsa1.0_00131.1	995	432233	0	452	452	100 -	1	452	73557	74008
UN07797	Rsa1.0_09746.1	729	6174	0	554	557	99 +	173	729	86	642
UN07798	Rsa1.0_00122.1	1625	265937	0	580	607	95 -	1	596	233492	234097

UN07799	Rsa1.0.00159.1	1157	431686	1.00E-141	295	306	96 +	854	1157	418639	418943
UN07800	Rsa1.0.00793.1	1148	64103	1.00E-178	367	381	96 +	1	380	38945	39324
UN07801	Rsa1.0.01361.1	1312	47226	0	1090	1112	98 +	12	1106	36939	38050
UN07802	Rsa1.0.00381.1	1025	89718	0	394	414	95 +	619	1024	29797	30210
UN07803	Rsa1.0.00319.1	1187	167331	0	947	1079	87 -	6	1073	91408	92486
UN07804	Rsa1.0.00332.1	1293	94575	1.00E-174	332	337	98 -	958	1291	77800	78136
UN07805	Rsa1.0.03353.1	1285	23496	0	540	586	92 -	668	1251	18990	19561
UN07806	Rsa1.0.01431.1	1273	167877	0	346	350	98 +	345	694	23662	24011
UN07807	Rsa1.0.04463.1	1730	17247	0	553	569	97 -	2	569	15847	16407
UN07808	Rsa1.0.00512.1	1509	200277	2.33E-156	276	280	98 +	1230	1509	71604	71883
UN07809	Rsa1.0.03101.1	786	25410	0	709	717	98 -	4	720	390	1105
UN07810	Rsa1.0.03090.1	841	25464	0	432	449	96 +	5	450	21757	22205
UN07811	Rsa1.0.00327.1	1101	94892	0	493	513	96 +	2	508	24938	25448
UN07812	Rsa1.0.00215.1	1222	201775	0	602	609	98 -	612	1220	10591	11197
UN07813	Rsa1.0.01539.1	1344	43698	0	461	461	100 -	135	595	23834	24294
UN07814	Rsa1.0.10233.1	1456	5928	0	484	511	94 -	2	512	2369	2861
UN07815	Rsa1.0.00131.1	903	432233	1.00E-122	249	254	98 +	3	254	6381	6632
UN07816	Rsa1.0.00152.1	1161	257730	0	424	440	96 +	725	1161	38296	38735
UN07817	Rsa1.0.00040.1	988	324196	1.00E-107	201	202	99 +	403	604	320994	321195
UN07818	Rsa1.0.56101.1	929	408	0	361	369	97 -	33	399	40	408
UN07819	Rsa1.0.00321.1	1031	95671	1.00E-111	277	298	92 +	626	923	60426	60718
UN07820	Rsa1.0.00089.1	960	406142	1.00E-175	435	475	91 -	482	934	352489	352958
UN07821	Rsa1.0.01696.1	1169	301850	1.00E-169	399	423	94 -	751	1167	298765	299179
UN07822	Rsa1.0.03084.1	1082	25506	0	595	607	98 +	471	1077	12462	13060
UN07823	Rsa1.0.00123.1	1389	325650	0	389	389	100 -	54	442	4758	5146
UN07824	Rsa1.0.11626.1	1118	5456	0	481	511	94 -	603	1105	3158	3663
UN07825	Rsa1.0.02587.1	862	156090	0	443	448	98 -	38	485	16390	16837
UN07826	Rsa1.0.23327.1	1184	1056	0	519	535	97 +	654	1182	1	533
UN07827	Rsa1.0.00065.1	1037	454616	0	456	472	96 +	132	600	207651	208122
UN07828	Rsa1.0.00207.1	1362	248736	1.00E-108	288	313	92 +	282	590	24166	24475
UN07829	Rsa1.0.28441.1	1606	815	0	782	815	95 -	564	1376	1	815
UN07830	Rsa1.0.07336.1	1803	9540	0	405	406	99 +	544	949	1	406
UN07831	Rsa1.0.01093.1	879	54312	0	551	553	99 +	324	876	26466	27018
UN07832	Rsa1.0.01198.1	1449	51029	1.00E-166	380	406	93 -	1039	1442	803	1196
UN07833	Rsa1.0.00016.1	1198	831256	0	644	662	97 +	543	1198	809000	809661
UN07834	Rsa1.0.00245.1	684	103569	0	663	682	97 +	1	682	97557	98232
UN07835	Rsa1.0.00040.1	1272	324196	0	918	927	99 -	342	1268	93894	94820
UN07836	Rsa1.0.02677.1	924	167801	0	438	444	98 -	3	446	153778	154218
UN07837	Rsa1.0.00146.1	1293	149343	0	657	662	99 -	6	664	86415	87076

UN07838	Rsa1.0_01783.1	1803	39383	0	719	743	96 +	438	1180	33735	34475
UN07839	Rsa1.0_13382.1	1014	4874	3.00E-66	141	145	97 -	257	401	1445	1589
UN07840	Rsa1.0_00057.1	788	160473	1.00E-86	163	163	100 -	565	727	146663	146825
UN07841	Rsa1.0_00898.1	1268	202772	0	536	559	95 -	43	599	182006	182562
UN07842	Rsa1.0_00040.1	774	324196	2.00E-76	146	146	100 -	85	230	264034	264179
UN07843	Rsa1.0_01997.1	1765	158416	0	1694	1787	94 -	3	1765	19326	21081
UN07844	Rsa1.0_00107.1	840	431659	0	595	597	99 +	1	596	69339	69935
UN07845	Rsa1.0_12910.1	1138	5081	0	353	357	98 +	3	356	2347	2703
UN07846	Rsa1.0_04955.1	1408	15337	0	1023	1046	97 +	88	1130	8163	9205
UN07847	Rsa1.0_03576.1	476	21986	0	469	476	98 -	1	476	3383	3855
UN07848	Rsa1.0_00057.1	718	160473	0	709	718	98 +	2	718	24327	25043
UN07849	Rsa1.0_03125.1	1287	147978	0	649	671	96 -	76	743	131472	132131
UN07850	Rsa1.0_01099.1	1238	158481	0	363	363	100 -	380	742	131327	131689
UN07851	Rsa1.0_00014.1	1236	348985	0	364	367	99 +	1	367	343861	344224
UN07852	Rsa1.0_00056.1	838	332604	0	566	582	97 -	253	831	291284	291863
UN07853	Rsa1.0_00642.1	714	201230	0	709	714	99 +	2	714	165129	165842
UN07854	Rsa1.0_00090.1	1394	273859	0	512	530	96 +	868	1394	138994	139519
UN07855	Rsa1.0_00555.1	1945	75920	0	592	611	96 -	874	1482	1049	1652
UN07856	Rsa1.0_01753.1	848	39794	0	766	787	97 -	11	791	23080	23866
UN07857	Rsa1.0_00410.1	1248	86957	0	1246	1251	99 +	1	1248	52544	53794
UN07858	Rsa1.0_04772.1	552	16040	0	500	519	96 +	1	515	13563	14079
UN07859	Rsa1.0_00882.1	848	61249	0	844	846	99 -	3	848	28143	28988
UN07860	Rsa1.0_00525.1	886	78030	0	424	426	99 -	461	886	10815	11240
UN07861	Rsa1.0_00053.1	714	263459	0	686	703	97 -	10	712	78527	79226
UN07862	Rsa1.0_30434.1	1233	754	0	559	577	96 -	1	577	3	579
UN07863	Rsa1.0_00940.1	780	179946	0	775	788	98 +	1	780	24188	24975
UN07864	Rsa1.0_00549.1	1381	76473	0	1023	1059	96 +	326	1381	33161	34211
UN07865	Rsa1.0_00405.1	819	202864	0	642	672	95 -	3	656	85752	86423
UN07866	Rsa1.0_00827.1	771	62790	4.00E-80	174	180	96 -	153	332	42331	42509
UN07867	Rsa1.0_00983.1	1353	57586	0	863	900	95 +	2	901	10494	11393
UN07868	Rsa1.0_04060.1	559	19313	1.00E-156	300	307	97 +	253	559	16471	16777
UN07869	Rsa1.0_02374.1	846	32043	0	826	853	96 -	2	846	4803	5650
UN07870	Rsa1.0_05180.1	1422	14575	0	725	790	91 -	409	1187	4725	5479
UN07871	Rsa1.0_16653.1	1160	2077	0	976	1017	95 -	126	1133	99	1115
UN07872	Rsa1.0_20177.1	1131	1331	0	687	700	98 -	370	1069	130	829
UN07873	Rsa1.0_00140.1	1813	121541	0	999	1004	99 +	3	1006	81953	82956
UN07874	Rsa1.0_05874.1	1756	12351	0	1149	1202	95 +	2	1200	6996	8185
UN07875	Rsa1.0_00401.1	1343	244410	0	400	409	97 +	939	1343	243012	243420
UN07876	Rsa1.0_00015.1	600	561803	0	364	370	98 +	3	372	200435	200804

UN07877	Rsa1.0_00201.1	917	232851	0	387	399	96 +	3	399	22034	22432
UN07878	Rsa1.0_01927.1	1665	37199	0	1109	1155	96 +	118	1271	23470	24616
UN07879	Rsa1.0_02279.1	1343	33069	0	736	755	97 -	332	1086	1	755
UN07880	Rsa1.0_02367.1	1058	32106	0	984	996	98 +	63	1058	7291	8282
UN07881	Rsa1.0_03754.1	1261	21005	0	1114	1215	91 -	14	1218	8962	10176
UN07882	Rsa1.0_02527.1	1886	177225	0	863	897	96 +	3	886	148129	149024
UN07883	Rsa1.0_16318.1	535	2202	0	356	360	98 +	176	535	1839	2196
UN07884	Rsa1.0_00827.1	1562	62790	1.00E-155	348	370	94 -	1193	1559	52062	52427
UN07885	Rsa1.0_00807.1	868	63607	1.00E-135	280	289	96 -	438	725	19934	20221
UN07886	Rsa1.0_02080.1	1236	35297	0	627	652	96 +	17	667	13243	13891
UN07887	Rsa1.0_00676.1	972	69166	1.00E-105	198	199	99 +	1	199	15584	15782
UN07888	Rsa1.0_00373.1	680	90296	1.00E-165	318	324	98 -	357	680	19124	19442
UN07889	Rsa1.0_00486.1	1634	80875	0	548	553	99 +	479	1031	13173	13724
UN07890	Rsa1.0_00588.1	847	73939	0	549	565	97 -	1	560	54483	55041
UN07891	Rsa1.0_00709.1	1553	67329	0	694	730	95 +	810	1527	30393	31121
UN07892	Rsa1.0_00411.1	1570	86944	0	583	605	96 +	969	1566	46561	47165
UN07893	Rsa1.0_00727.1	1096	66724	1.00E-150	291	298	97 +	553	850	24666	24963
UN07894	Rsa1.0_02139.1	1369	34686	0	381	387	98 -	979	1365	7615	8000
UN07895	Rsa1.0_22870.1	1910	1087	0	827	839	98 +	462	1300	1	839
UN07896	Rsa1.0_00675.1	1617	145590	0	516	531	97 +	995	1524	58355	58881
UN07897	Rsa1.0_04739.1	1413	16167	0	372	381	97 +	9	387	6309	6689
UN07898	Rsa1.0_00275.1	1771	210104	0	490	491	99 +	4	494	184311	184801
UN07899	Rsa1.0_01485.1	1043	44797	0	430	430	100 -	614	1043	22104	22533
UN07900	Rsa1.0_00392.1	1714	88523	0	564	594	94 +	1109	1692	65484	66072
UN07901	Rsa1.0_00069.1	1013	403561	0	863	880	98 -	135	1013	206030	206905
UN07902	Rsa1.0_01338.1	1643	155644	0	1224	1230	99 -	1	1230	133631	134860
UN07903	Rsa1.0_00086.1	700	439854	0	690	699	98 +	3	700	129698	130396
UN07904	Rsa1.0_00015.1	1861	561803	0	1352	1515	89 -	186	1700	222002	223516
UN07905	Rsa1.0_00065.1	890	454616	1.00E-101	205	211	97 +	50	260	159767	159977
UN07906	Rsa1.0_00093.1	977	214962	0	666	690	96 -	238	927	173992	174680
UN07907	Rsa1.0_03697.1	971	21304	1.00E-59	142	150	94 -	266	415	5454	5603
UN07908	Rsa1.0_01363.1	617	47195	1.00E-137	270	276	97 +	341	616	8682	8956
UN07909	Rsa1.0_03671.1	1574	21459	0	360	364	98 +	3	363	11189	11552
UN07910	Rsa1.0_00037.1	967	307838	1.00E-137	270	276	97 +	3	278	286938	287212
UN07911	Rsa1.0_08969.1	718	6744	0	701	720	97 -	2	718	3090	3808
UN07912	Rsa1.0_06663.1	1436	10576	1.00E-159	323	335	96 -	1102	1436	10093	10424
UN07913	Rsa1.0_03406.1	1342	23159	1.00E-163	456	510	89 -	634	1128	5534	6031
UN07914	Rsa1.0_00189.1	1260	111830	0	371	372	99 +	1	372	42070	42441
UN07915	Rsa1.0_01354.1	745	47342	0	654	669	97 -	3	671	30879	31547

UN07916	Rsa1.0.00002.1	858	601661	0	837	856	97 +	2	856	416755	417610
UN07917	Rsa1.0.01663.1	1598	168589	0	525	526	99 +	1	526	138820	139345
UN07918	Rsa1.0.00768.1	958	64969	1.00E-133	282	292	96 +	85	375	49455	49743
UN07919	Rsa1.0.00494.1	1004	79967	0	458	462	99 +	543	1004	68676	69137
UN07920	Rsa1.0.00938.1	581	193891	0	570	580	98 +	3	581	175161	175740
UN07921	Rsa1.0.17254.1	973	1878	0	470	474	99 +	258	728	1405	1878
UN07922	Rsa1.0.01308.1	868	48596	0	537	548	97 +	108	655	17350	17896
UN07923	Rsa1.0.00773.1	966	64839	0	567	583	97 +	384	966	6287	6869
UN07924	Rsa1.0.00919.1	505	59675	0	496	505	98 +	1	505	33437	33932
UN07925	Rsa1.0.00180.1	596	114581	1.00E-129	257	262	98 +	331	591	98334	98594
UN07926	Rsa1.0.00061.1	864	218685	0	841	862	97 -	3	862	958	1815
UN07927	Rsa1.0.01875.1	1008	37849	0	798	821	97 -	1	814	18314	19131
UN07928	Rsa1.0.00464.1	1463	82253	0	464	475	97 +	114	587	67303	67777
UN07929	Rsa1.0.30865.1	850	742	9.00E-97	273	300	91 +	552	850	1	288
UN07930	Rsa1.0.02525.1	736	30489	0	427	429	99 +	307	734	14810	15237
UN07931	Rsa1.0.02043.1	1281	163754	1.00E-166	333	343	97 +	940	1280	23393	23734
UN07932	Rsa1.0.00213.1	1703	108167	0	470	485	96 +	1218	1698	86924	87405
UN07933	Rsa1.0.00992.1	806	57419	0	468	487	96 +	320	806	25453	25928
UN07934	Rsa1.0.00085.1	1574	142226	0	1465	1558	94 -	3	1553	121914	123453
UN07935	Rsa1.0.02162.1	1273	34431	0	1023	1025	99 +	3	1025	8263	9287
UN07936	Rsa1.0.01883.1	951	37661	1.00E-157	288	290	99 +	2	291	10628	10917
UN07937	Rsa1.0.00550.1	764	210790	1.00E-116	298	319	93 +	455	764	31765	32080
UN07938	Rsa1.0.01221.1	1236	50421	0	744	770	96 +	188	957	44672	45438
UN07939	Rsa1.0.00002.1	1226	601661	0	918	951	96 +	279	1226	177153	178101
UN07940	Rsa1.0.00582.1	596	74333	0	569	596	95 -	3	588	50361	50955
UN07941	Rsa1.0.00930.1	945	59224	0	387	395	97 -	2	396	52811	53204
UN07942	Rsa1.0.01838.1	1404	38500	0	422	442	95 -	6	443	17537	17978
UN07943	Rsa1.0.00015.1	817	561803	0	474	475	99 +	6	480	257369	257843
UN07944	Rsa1.0.03724.1	1525	21171	0	502	504	99 -	1022	1525	16463	16966
UN07945	Rsa1.0.02456.1	702	31222	1.00E-122	303	327	92 +	378	700	26023	26337
UN07946	Rsa1.0.03974.1	740	19770	0	591	604	97 -	137	740	1460	2061
UN07947	Rsa1.0.01483.1	1241	44826	1.00E-147	271	273	99 -	546	818	22727	22999
UN07948	Rsa1.0.00241.1	1122	104000	1.00E-176	319	321	99 +	801	1121	27774	28094
UN07949	Rsa1.0.00193.1	1081	194198	1.00E-145	315	333	94 +	753	1081	102472	102797
UN07950	Rsa1.0.00978.1	808	57739	0	783	817	95 +	2	807	23545	24354
UN07951	Rsa1.0.00527.1	1047	77733	0	1026	1059	96 -	3	1047	12296	13352
UN07952	Rsa1.0.02711.1	1169	28475	1.00E-153	338	359	94 +	729	1087	20055	20413
UN07953	Rsa1.0.00651.1	844	247766	1.00E-133	326	360	90 -	485	844	92697	93034
UN07954	Rsa1.0.00720.1	871	66931	0	360	368	97 +	5	371	55086	55453

UN07955	Rsa1.0.02387.1	573	31890	1.00E-54	136	145	93 -	3	147	30227	30371
UN07956	Rsa1.0.00562.1	590	75565	0	583	588	99 +	3	590	65791	66378
UN07957	Rsa1.0.03861.1	1239	20402	0	450	459	98 -	723	1181	12424	12882
UN07958	Rsa1.0.01752.1	758	39805	0	612	629	97 +	50	675	23241	23869
UN07959	Rsa1.0.00070.1	1387	150321	1.00E-119	224	226	99 -	943	1168	119907	120132
UN07960	Rsa1.0.13893.1	744	4139	0	434	437	99 -	3	439	2358	2794
UN07961	Rsa1.0.00190.1	1322	318240	0	567	585	96 +	129	713	82	662
UN07962	Rsa1.0.02410.1	788	31659	0	403	419	96 -	236	654	20565	20983
UN07963	Rsa1.0.05547.1	915	13369	0	574	582	98 -	1	581	919	1500
UN07964	Rsa1.0.00581.1	1581	163575	0	874	878	99 +	704	1581	15342	16219
UN07965	Rsa1.0.00664.1	902	69573	0	563	566	99 +	1	566	55264	55829
UN07966	Rsa1.0.00524.1	760	169613	0	474	494	95 -	4	493	141781	142271
UN07967	Rsa1.0.02329.1	891	32474	0	856	869	98 +	1	867	882	1747
UN07968	Rsa1.0.00740.1	876	215972	2.00E-98	230	245	93 -	2	246	32317	32558
UN07969	Rsa1.0.00169.1	1286	274298	1.00E-166	331	341	97 +	1	340	229363	229703
UN07970	Rsa1.0.00476.1	477	280966	1.00E-131	296	312	94 -	39	347	150634	150943
UN07971	Rsa1.0.00847.1	1447	62270	0	491	493	99 -	1	491	50627	51119
UN07972	Rsa1.0.01326.1	1379	48072	0	333	333	100 +	915	1247	34414	34746
UN07973	Rsa1.0.36762.1	1330	613	0	608	613	99 +	533	1145	1	613
UN07974	Rsa1.0.07655.1	520	8913	0	513	515	99 +	4	518	6354	6868
UN07975	Rsa1.0.25166.1	1294	949	0	520	521	99 +	1	521	429	949
UN07976	Rsa1.0.09317.1	1944	6459	0	696	732	95 +	1217	1942	1016	1741
UN07977	Rsa1.0.10540.1	648	5811	0	642	646	99 -	3	648	3651	4296
UN07978	Rsa1.0.02628.1	1110	29369	1.00E-149	277	280	98 +	503	782	7499	7778
UN07979	Rsa1.0.02082.1	868	35228	0	528	558	94 -	149	705	17741	18297
UN07980	Rsa1.0.02900.1	1339	26928	0	728	746	97 -	593	1338	25075	25819
UN07981	Rsa1.0.00222.1	1285	172263	0	597	605	98 -	3	605	4258	4862
UN07982	Rsa1.0.00106.1	1638	133916	0	1080	1103	97 +	2	1103	19192	20291
UN07983	Rsa1.0.04411.1	1009	142979	0	809	817	99 +	1	814	137806	138622
UN07984	Rsa1.0.00308.1	1116	96915	0	446	461	96 +	30	484	13156	13615
UN07985	Rsa1.0.01880.1	1141	37745	0	927	941	98 -	4	943	26258	27198
UN07986	Rsa1.0.00205.1	2138	193401	0	661	682	96 +	1456	2137	55100	55778
UN07987	Rsa1.0.01356.1	522	47287	2.00E-81	160	162	98 -	1	162	3539	3700
UN07988	Rsa1.0.00285.1	970	149638	0	563	590	95 -	1	590	142472	143050
UN07989	Rsa1.0.00099.1	1154	159619	0	586	592	98 -	3	593	136397	136988
UN07990	Rsa1.0.01082.1	1186	54640	0	433	433	100 +	752	1184	15720	16152
UN07991	Rsa1.0.06108.1	809	11730	0	457	462	98 -	2	463	2383	2844
UN07992	Rsa1.0.00197.1	1417	109714	1.00E-159	342	360	95 +	206	559	99351	99709
UN07993	Rsa1.0.00472.1	895	398134	0	464	493	94 -	410	895	314464	314947

UN07994	Rsa1.0_03073.1	1225	25574	0	817	818	99 -	101	917	82	899
UN07995	Rsa1.0_00533.1	1814	77375	0	769	789	97 +	1	789	32030	32815
UN07996	Rsa1.0_02841.1	1379	27383	0	750	764	98 -	138	901	18551	19314
UN07997	Rsa1.0_29367.1	912	785	0	780	786	99 -	125	910	1	785
UN07998	Rsa1.0_01782.1	738	39384	0	681	691	98 -	13	703	33047	33737
UN07999	Rsa1.0_00735.1	911	66503	0	907	910	99 -	1	910	60231	61140
UN08000	Rsa1.0_02609.1	1166	29600	0	406	412	98 -	1	411	21111	21522
UN08001	Rsa1.0_00303.1	2053	97468	0	644	651	98 -	431	1081	26781	27431
UN08002	Rsa1.0_00588.1	600	73939	0	386	393	98 +	1	391	44020	44411
UN08003	Rsa1.0_01015.1	1338	56752	2.33E-156	291	300	97 +	666	965	6238	6537
UN08004	Rsa1.0_03511.1	711	22373	0	442	445	99 -	1	444	806	1249
UN08005	Rsa1.0_01108.1	923	53865	1.00E-141	263	266	98 +	657	922	15154	15419
UN08006	Rsa1.0_01422.1	1239	46172	1.00E-118	222	224	99 +	832	1055	35856	36079
UN08007	Rsa1.0_15660.1	912	2496	0	827	842	98 +	44	883	563	1401
UN08008	Rsa1.0_02030.1	591	179909	0	575	592	97 +	1	590	27041	27632
UN08009	Rsa1.0_01251.1	768	49873	0	496	505	98 +	2	506	27199	27701
UN08010	Rsa1.0_01091.1	1285	54383	0	1123	1124	99 +	160	1283	20814	21937
UN08011	Rsa1.0_07458.1	985	9352	0	693	706	98 -	36	741	8647	9352
UN08012	Rsa1.0_17302.1	1551	1865	0	739	741	99 -	811	1551	1125	1865
UN08013	Rsa1.0_00045.1	630	328694	0	478	492	97 +	112	602	192774	193265
UN08014	Rsa1.0_01117.1	1305	53465	0	531	534	99 +	2	535	45563	46096
UN08015	Rsa1.0_00055.1	781	520193	0	574	577	99 +	204	780	422501	423077
UN08016	Rsa1.0_01740.1	1031	39986	0	367	376	97 +	4	376	22135	22509
UN08017	Rsa1.0_08538.1	1861	7220	0	969	1049	92 -	374	1397	1434	2455
UN08018	Rsa1.0_03940.1	1273	19962	0	433	450	96 -	779	1225	1	444
UN08019	Rsa1.0_03292.1	1253	23977	0	439	440	99 +	812	1251	3716	4155
UN08020	Rsa1.0_01781.1	765	39410	0	551	561	98 +	162	722	6978	7538
UN08021	Rsa1.0_06522.1	1040	10856	1.00E-119	243	251	96 +	19	269	2538	2784
UN08022	Rsa1.0_03566.1	929	22050	0	891	930	95 +	1	928	15859	16780
UN08023	Rsa1.0_11280.1	982	5558	0	374	380	98 +	483	862	4869	5248
UN08024	Rsa1.0_00536.1	1075	77199	0	871	910	95 -	4	908	23937	24846
UN08025	Rsa1.0_02039.1	879	35699	1.00E-176	343	352	97 -	528	879	31463	31812
UN08026	Rsa1.0_00570.1	1529	75002	0	549	560	98 +	496	1055	70246	70805
UN08027	Rsa1.0_14736.1	734	3116	1.00E-168	339	351	96 +	382	732	1970	2319
UN08028	Rsa1.0_00116.1	1164	365886	0	862	872	98 -	3	874	21612	22483
UN08029	Rsa1.0_06230.1	855	11435	0	821	855	96 -	1	855	4439	5280
UN08030	Rsa1.0_00184.1	1144	218748	0	376	393	95 -	2	394	17859	18241
UN08031	Rsa1.0_00862.1	887	61715	0	481	485	99 -	403	887	28518	29002
UN08032	Rsa1.0_00059.1	922	159650	0	477	529	90 +	225	732	134007	134528

UN08033	Rsa1.0_01536.1	1372	43747	0	658	668	98 +	704	1371	16387	17054
UN08034	Rsa1.0_02181.1	428	34172	0	414	429	96 +	3	425	1019	1443
UN08035	Rsa1.0_02829.1	910	27541	2.00E-45	273	331	82 +	194	522	19828	20140
UN08036	Rsa1.0_02927.1	1231	26698	0	1207	1234	97 +	2	1231	23078	24309
UN08037	Rsa1.0_01890.1	953	37542	0	336	340	98 -	584	923	12677	13016
UN08038	Rsa1.0_02221.1	1065	106972	1.00E-156	329	344	95 -	3	340	93919	94262
UN08039	Rsa1.0_00446.1	844	167829	0	833	843	98 -	1	843	149439	150280
UN08040	Rsa1.0_00584.1	1287	74295	0	791	824	95 +	2	825	44010	44833
UN08041	Rsa1.0_05767.1	1329	12701	0	1299	1326	97 -	3	1328	3398	4718
UN08042	Rsa1.0_01102.1	455	53987	0	450	453	99 -	1	453	8658	9110
UN08043	Rsa1.0_00576.1	2144	178949	0	437	439	99 +	166	604	63282	63720
UN08044	Rsa1.0_00497.1	1772	79830	0	777	784	99 +	989	1771	48252	49035
UN08045	Rsa1.0_04014.1	1238	19572	0	484	490	98 -	749	1238	13584	14073
UN08046	Rsa1.0_00373.1	1346	90296	0	683	698	97 -	2	696	42120	42817
UN08047	Rsa1.0_02677.1	989	167801	0	685	719	95 -	277	989	10875	11581
UN08048	Rsa1.0_05577.1	975	13284	0	938	955	98 -	21	975	11449	12403
UN08049	Rsa1.0_00626.1	753	71582	2.33E-156	279	284	98 +	1	280	69542	69825
UN08050	Rsa1.0_00282.1	1835	177799	1.00E-109	201	201	100 +	1304	1504	116639	116839
UN08051	Rsa1.0_01352.1	1091	47443	5.00E-99	219	229	95 +	102	326	9356	9583
UN08052	Rsa1.0_31125.1	1132	735	0	670	677	98 -	52	727	59	735
UN08053	Rsa1.0_03756.1	925	143061	0	647	649	99 +	3	649	10358	11006
UN08054	Rsa1.0_01199.1	1251	163576	0	561	577	97 -	673	1249	126967	127541
UN08055	Rsa1.0_00674.1	1054	193753	1.00E-141	279	287	97 -	467	753	188457	188743
UN08056	Rsa1.0_15443.1	491	2603	0	490	494	99 -	1	490	1965	2458
UN08057	Rsa1.0_04760.1	575	16105	0	353	356	99 +	3	358	10661	11013
UN08058	Rsa1.0_00156.1	992	118383	0	685	704	97 +	1	702	54333	55035
UN08059	Rsa1.0_01979.1	788	36545	0	424	437	97 -	5	438	36007	36441
UN08060	Rsa1.0_01119.1	968	53459	0	434	449	96 -	2	444	19591	20037
UN08061	Rsa1.0_03081.1	851	25523	5.00E-83	169	173	97 +	169	341	13289	13461
UN08062	Rsa1.0_00485.1	1223	80937	0	413	414	99 +	1	413	6623	7036
UN08063	Rsa1.0_02711.1	1495	28475	1.00E-150	320	336	95 -	1158	1492	16349	16672
UN08064	Rsa1.0_00087.1	886	761073	0	511	536	95 +	1	531	312461	312993
UN08065	Rsa1.0_00362.1	1012	299497	0	561	570	98 -	1	570	281999	282568
UN08066	Rsa1.0_01009.1	621	56922	1.00E-151	283	287	98 +	1	287	29237	29523
UN08067	Rsa1.0_00107.1	595	431659	1.00E-137	256	259	98 -	253	511	84232	84490
UN08068	Rsa1.0_00352.1	1441	92266	0	558	573	97 +	868	1439	26252	26824
UN08069	Rsa1.0_00278.1	1036	231896	0	532	537	99 +	2	537	150871	151407
UN08070	Rsa1.0_00066.1	1245	152418	1.00E-151	278	279	99 +	1	278	40911	41189
UN08071	Rsa1.0_00107.1	1093	431659	0	474	504	94 -	12	510	342550	343050

UN08072	Rsa1.0_00071.1	667	345714	1.00E-123	260	269	96 -	371	637	66097	66365
UN08073	Rsa1.0_00080.1	971	190437	0	432	440	98 -	534	971	19235	19674
UN08074	Rsa1.0_00103.1	830	135304	0	805	830	96 -	1	830	30695	31509
UN08075	Rsa1.0_01507.1	903	44361	2.00E-91	184	187	98 -	551	736	24828	25014
UN08076	Rsa1.0_00550.1	1380	210790	1.00E-169	356	373	95 -	14	385	184237	184609
UN08077	Rsa1.0_00143.1	1392	121313	1.00E-167	340	353	96 -	1039	1388	97993	98345
UN08078	Rsa1.0_00940.1	461	179946	0	417	422	98 +	38	459	17311	17732
UN08079	Rsa1.0_00488.1	689	80490	0	368	372	98 +	1	372	77214	77585
UN08080	Rsa1.0_02687.1	900	28648	0	869	908	95 +	3	900	13257	14153
UN08081	Rsa1.0_00703.1	875	67597	4.00E-71	155	161	96 +	500	660	22981	23141
UN08082	Rsa1.0_01194.1	1305	51113	0	675	689	97 -	517	1205	26678	27366
UN08083	Rsa1.0_00382.1	1252	251946	0	345	346	99 -	3	348	168724	169069
UN08084	Rsa1.0_00022.1	1444	200461	0	751	771	97 +	2	772	93920	94690
UN08085	Rsa1.0_00002.1	775	601661	1.00E-134	242	242	100 -	384	625	455292	455533
UN08086	Rsa1.0_00595.1	1869	341648	0	387	387	100 -	1308	1694	12663	13049
UN08087	Rsa1.0_01503.1	1286	44467	0	448	473	94 -	821	1286	35739	36210
UN08088	Rsa1.0_00356.1	1267	91521	0	550	553	99 -	714	1266	25417	25969
UN08089	Rsa1.0_00124.1	1796	262503	0	820	822	99 +	976	1796	64100	64921
UN08090	Rsa1.0_00018.1	915	410899	1.00E-131	244	246	99 -	1	246	125814	126059
UN08091	Rsa1.0_00243.1	990	103651	1.00E-120	253	265	95 -	2	266	12271	12527
UN08092	Rsa1.0_00016.1	1567	831256	0	509	512	99 +	1	512	244882	245392
UN08093	Rsa1.0_00305.1	1589	97308	1.00E-143	312	328	95 -	1262	1587	94377	94696
UN08094	Rsa1.0_00108.1	1045	478491	2.33E-156	312	328	95 -	621	939	7747	8074
UN08095	Rsa1.0_04334.1	1326	17852	0	395	400	98 +	927	1326	10377	10776
UN08096	Rsa1.0_00775.1	1404	64793	0	656	701	93 -	4	685	5368	6068
UN08097	Rsa1.0_09074.1	1371	6670	0	459	474	96 +	614	1084	4110	4577
UN08098	Rsa1.0_00566.1	1481	75325	0	438	470	93 -	415	880	24398	24860
UN08099	Rsa1.0_02703.1	1384	28544	0	1081	1148	94 -	1	1143	9801	10920
UN08100	Rsa1.0_00006.1	1704	396176	0	577	629	91 -	396	1010	223817	224437
UN08101	Rsa1.0_00254.1	1626	102600	0	440	449	97 +	696	1142	20119	20567
UN08102	Rsa1.0_02524.1	1235	30496	0	410	418	98 -	183	599	16107	16524
UN08103	Rsa1.0_03867.1	725	20369	0	402	413	97 -	302	712	15803	16215
UN08104	Rsa1.0_25507.1	796	933	0	380	389	97 -	3	391	454	839
UN08105	Rsa1.0_00454.1	1084	216970	0	704	736	95 -	349	1084	187174	187900
UN08106	Rsa1.0_01330.1	1006	47960	0	350	356	98 +	1	356	43076	43431
UN08107	Rsa1.0_11505.1	1432	5483	0	924	940	98 +	456	1388	1	940
UN08108	Rsa1.0_00160.1	1186	346678	0	387	400	96 +	3	398	145891	146290
UN08109	Rsa1.0_00469.1	473	82084	0	401	420	95 -	1	420	3747	4163
UN08110	Rsa1.0_01986.1	1297	36489	0	834	867	96 -	447	1295	23438	24301

UN08111	Rsa1.0.01750.1	1321	39816	0	409	411	99 +	2	411	22856	23266
UN08112	Rsa1.0.02557.1	1455	30127	0	685	697	98 +	759	1455	10172	10867
UN08113	Rsa1.0.03943.1	598	19931	1.00E-157	323	335	96 -	268	598	8508	8842
UN08114	Rsa1.0.01749.1	1325	39822	0	426	440	96 -	1	440	28271	28706
UN08115	Rsa1.0.00525.1	587	78030	1.00E-130	236	236	100 +	352	587	23409	23644
UN08116	Rsa1.0.01442.1	1429	45776	1.00E-160	286	286	100 +	84	369	20988	21273
UN08117	Rsa1.0.00027.1	738	283362	0	466	472	98 +	4	475	18991	19462
UN08118	Rsa1.0.00421.1	1552	86365	1.00E-140	324	344	94 -	1207	1548	75833	76174
UN08119	Rsa1.0.00165.1	1741	116466	0	1082	1083	99 +	660	1741	47654	48736
UN08120	Rsa1.0.01368.1	1404	47129	0	1377	1398	98 +	17	1402	29056	30453
UN08121	Rsa1.0.03385.1	1654	23280	0	701	714	98 +	888	1601	3669	4381
UN08122	Rsa1.0.01768.1	932	138463	1.00E-176	314	314	100 -	617	930	122648	122961
UN08123	Rsa1.0.03081.1	1446	25523	0	1155	1179	97 -	126	1303	3706	4884
UN08124	Rsa1.0.01772.1	1247	39557	0	1040	1096	94 -	169	1247	160	1238
UN08125	Rsa1.0.01129.1	973	52949	0	927	938	98 +	1	936	13920	14857
UN08126	Rsa1.0.00111.1	1529	390088	0	917	1006	91 -	216	1173	60205	61189
UN08127	Rsa1.0.00076.1	1132	146021	0	1119	1130	99 +	3	1132	258	1387
UN08128	Rsa1.0.00303.1	1371	97468	0	357	359	99 -	2	360	9636	9994
UN08129	Rsa1.0.00011.1	1248	225044	0	646	662	97 +	587	1248	26245	26906
UN08130	Rsa1.0.00013.1	1380	292129	0	400	414	96 -	2	414	281575	281981
UN08131	Rsa1.0.05668.1	867	12994	0	864	867	99 +	1	867	6164	7029
UN08132	Rsa1.0.43462.1	1208	517	3.00E-23	75	81	92 +	990	1070	348	428
UN08133	Rsa1.0.01424.1	1211	46139	0	597	622	95 -	411	1032	43607	44228
UN08134	Rsa1.0.01111.1	1101	53669	1.00E-142	337	360	93 -	746	1101	39889	40244
UN08135	Rsa1.0.00251.1	1101	303968	0	360	372	96 +	160	531	140959	141330
UN08136	Rsa1.0.00980.1	820	57729	0	770	795	96 -	28	820	39709	40492
UN08137	Rsa1.0.02575.1	1018	29944	1.00E-170	357	374	95 +	648	1018	24000	24369
UN08138	Rsa1.0.01932.1	1217	37177	1.00E-110	274	293	93 -	928	1215	10948	11239
UN08139	Rsa1.0.00002.1	1150	601661	1.00E-166	340	352	96 +	800	1150	98981	99331
UN08140	Rsa1.0.05862.1	1520	12390	1.00E-148	270	271	99 -	1250	1520	3824	4094
UN08141	Rsa1.0.00427.1	1106	189678	0	870	916	94 -	194	1106	32890	33793
UN08142	Rsa1.0.00021.1	1045	263655	1.00E-107	255	275	92 +	25	287	14051	14325
UN08143	Rsa1.0.00131.1	1064	432233	0	712	729	97 +	280	1008	205231	205959
UN08144	Rsa1.0.01242.1	1572	50066	0	1377	1397	98 -	3	1393	48281	49677
UN08145	Rsa1.0.00033.1	1192	515811	0	564	591	95 -	4	584	432520	433107
UN08146	Rsa1.0.00064.1	1348	240927	0	529	539	98 +	379	916	132115	132653
UN08147	Rsa1.0.01998.1	1112	36276	0	649	677	95 +	283	959	10886	11561
UN08148	Rsa1.0.00043.1	1412	264937	0	407	424	95 +	766	1189	143187	143609
UN08149	Rsa1.0.00017.1	1210	752458	0	544	599	90 +	621	1206	268430	269007

UN08150	#	#	#	#	#	#	#	#	#	#	#	#
UN08151	Rsa1.0.00065.1	900	454616	0	426	433	98 -	468	900	248976	249408	
UN08152	Rsa1.0.00103.1	1251	135304	0	352	352	100 +	338	689	77912	78263	
UN08153	Rsa1.0.03242.1	947	24415	0	355	359	98 +	1	359	3770	4128	
UN08154	Rsa1.0.01328.1	2200	48021	0	583	613	95 +	1591	2196	23421	24026	
UN08155	Rsa1.0.00013.1	745	292129	1.00E-168	335	348	96 +	3	350	279714	280052	
UN08156	Rsa1.0.00498.1	1175	79746	0	410	422	97 -	1	419	49512	49931	
UN08157	Rsa1.0.00380.1	1460	89748	0	1004	1021	98 -	429	1449	25550	26570	
UN08158	Rsa1.0.00030.1	1237	250988	1.00E-140	268	273	98 +	5	277	104240	104512	
UN08159	Rsa1.0.00071.1	1591	345714	1.00E-155	319	329	96 -	1268	1591	39307	39635	
UN08160	Rsa1.0.00517.1	1182	142790	0	438	443	98 +	739	1181	101484	101925	
UN08161	Rsa1.0.01100.1	1210	54113	1.00E-123	277	293	94 -	829	1113	313	603	
UN08162	Rsa1.0.00647.1	960	70440	0	923	962	95 -	3	951	44495	45455	
UN08163	Rsa1.0.00387.1	1194	495407	0	335	336	99 +	3	338	384402	384737	
UN08164	Rsa1.0.03552.1	881	22151	1.00E-107	206	209	98 +	390	598	4290	4498	
UN08165	Rsa1.0.14340.1	973	3501	0	449	472	95 -	498	965	300	770	
UN08166	Rsa1.0.00192.1	1107	278200	0	445	456	97 +	214	669	260592	261047	
UN08167	Rsa1.0.14791.1	651	3064	0	412	414	99 +	232	645	1427	1840	
UN08168	Rsa1.0.00055.1	1249	520193	0	417	419	99 -	64	482	349414	349832	
UN08169	Rsa1.0.04943.1	1000	15376	0	892	916	97 -	8	920	5795	6708	
UN08170	Rsa1.0.01506.1	1338	44370	0	453	454	99 -	1	453	3669	4122	
UN08171	Rsa1.0.00616.1	1601	195713	0	518	524	98 -	534	1057	175996	176519	
UN08172	Rsa1.0.01017.1	1271	56714	0	456	459	99 -	333	791	33346	33804	
UN08173	Rsa1.0.01537.1	1161	187285	0	425	434	97 -	264	697	16266	16699	
UN08174	Rsa1.0.00574.1	1152	74797	0	499	508	98 -	2	508	70561	71068	
UN08175	Rsa1.0.00909.1	1018	59976	0	426	442	96 +	1	431	38115	38554	
UN08176	Rsa1.0.02192.1	1839	171291	0	444	463	95 -	92	548	12268	12724	
UN08177	Rsa1.0.00497.1	1256	79830	1.00E-150	270	270	100 +	986	1255	65567	65836	
UN08178	Rsa1.0.00970.1	2042	57994	0	1348	1414	95 -	637	2042	22385	23798	
UN08179	Rsa1.0.00191.1	1350	316976	0	554	560	98 +	258	817	145135	145694	
UN08180	Rsa1.0.01872.1	721	37908	1.00E-103	225	235	95 +	483	717	16040	16268	
UN08181	Rsa1.0.01300.1	951	48942	0	638	684	93 +	1	664	46859	47536	
UN08182	Rsa1.0.10575.1	1946	5797	1.00E-125	257	264	97 +	842	1103	21	284	
UN08183	Rsa1.0.05605.1	724	13202	0	423	424	99 -	1	424	12770	13193	
UN08184	Rsa1.0.00167.1	1158	116000	1.00E-155	323	337	95 +	721	1057	17177	17511	
UN08185	Rsa1.0.00207.1	736	248736	0	373	384	97 -	2	385	11395	11778	
UN08186	Rsa1.0.00233.1	1474	104918	0	631	643	98 +	691	1332	9694	10336	
UN08187	Rsa1.0.06009.1	1046	11950	0	833	834	99 -	210	1043	8494	9326	
UN08188	Rsa1.0.16140.1	1743	2268	0	974	1008	96 -	744	1742	1274	2268	

UN08189	Rsa1.0.01435.1	1422	45942	1.00E-149	282	285	98 +	3	286	15970	16254
UN08190	Rsa1.0.00045.1	1370	328694	0	521	551	94 +	256	803	168766	169302
UN08191	Rsa1.0.07809.1	1906	8503	0	1064	1132	93 +	23	1120	1020	2144
UN08192	Rsa1.0.01727.1	1258	40243	1.00E-141	378	409	92 -	846	1244	11118	11516
UN08193	Rsa1.0.20689.1	2192	1279	0	389	393	98 +	879	1271	15	407
UN08194	Rsa1.0.01522.1	1721	157436	0	973	997	97 +	727	1719	145054	146047
UN08195	Rsa1.0.00722.1	825	66840	0	430	444	96 -	352	795	20493	20936
UN08196	Rsa1.0.00282.1	953	177799	1.00E-170	546	627	87 +	316	942	119453	120079
UN08197	Rsa1.0.00467.1	1316	156542	1.00E-130	268	277	96 -	183	458	127047	127323
UN08198	Rsa1.0.00447.1	1050	84051	1.00E-150	270	270	100 +	781	1050	12107	12376
UN08199	Rsa1.0.01719.1	1335	40388	0	761	789	96 -	543	1331	31932	32716
UN08200	Rsa1.0.02478.1	1897	150183	0	597	642	92 +	596	1223	136567	137203
UN08201	Rsa1.0.00516.1	1000	78417	1.00E-158	283	283	100 +	1	283	6069	6351
UN08202	Rsa1.0.00017.1	1134	752458	0	664	688	96 +	449	1134	617269	617938
UN08203	Rsa1.0.00108.1	1716	478491	0	793	826	96 -	903	1716	284903	285727
UN08204	Rsa1.0.26911.1	914	873	1.00E-113	207	207	100 +	408	614	248	454
UN08205	Rsa1.0.04340.1	1192	17831	0	615	655	93 +	32	681	12631	13260
UN08206	Rsa1.0.00251.1	2207	303968	1.00E-135	254	257	98 +	732	988	87950	88206
UN08207	Rsa1.0.01675.1	1467	41155	1.00E-112	207	207	100 -	391	597	8774	8980
UN08208	Rsa1.0.00219.1	951	106983	0	946	951	99 +	2	951	51023	51973
UN08209	Rsa1.0.51591.1	1355	441	0	441	441	100 +	792	1232	1	441
UN08210	Rsa1.0.00552.1	719	206757	1.00E-151	282	284	99 +	3	285	51528	51811
UN08211	Rsa1.0.01440.1	1653	45807	1.00E-137	248	248	100 +	1406	1653	30644	30891
UN08212	Rsa1.0.00143.1	988	121313	1.00E-143	313	329	95 -	18	343	87223	87551
UN08213	Rsa1.0.00396.1	1759	88242	0	700	706	99 +	584	1288	5961	6666
UN08214	Rsa1.0.14273.1	1421	3588	1.00E-135	289	301	96 -	1113	1413	2208	2506
UN08215	Rsa1.0.01506.1	1494	44370	1.00E-173	317	319	99 -	1178	1494	31429	31747
UN08216	Rsa1.0.00108.1	1640	478491	0	1623	1641	98 +	1	1640	113582	115219
UN08217	Rsa1.0.00320.1	769	95784	0	732	752	97 +	13	764	3267	4015
UN08218	Rsa1.0.00152.1	1358	257730	0	704	739	95 -	2	736	84804	85538
UN08219	Rsa1.0.01419.1	1456	167402	0	1020	1052	96 +	1	1046	159720	160768
UN08220	Rsa1.0.00179.1	875	393324	1.00E-128	241	244	98 -	498	741	49376	49619
UN08221	Rsa1.0.01100.1	2037	54113	0	491	518	94 -	1432	1948	28675	29180
UN08222	Rsa1.0.04649.1	1199	16538	0	409	424	96 +	1	424	10581	11001
UN08223	Rsa1.0.00851.1	1194	62181	1.00E-172	321	326	98 -	558	883	11159	11484
UN08224	Rsa1.0.15352.1	1261	2663	0	656	668	98 -	7	670	1335	2002
UN08225	Rsa1.0.00285.1	1399	149638	0	373	380	98 -	1022	1399	146432	146811
UN08226	Rsa1.0.02477.1	936	31058	0	580	590	98 -	347	935	13066	13654
UN08227	Rsa1.0.00062.1	1105	299291	2.00E-83	759	941	80 -	109	1036	37611	38534

UN08228	Rsa1.0.02043.1	1310	163754	0	332	332	100 +	2	333	140853	141184
UN08229	Rsa1.0.01025.1	1108	56471	1.00E-37	357	433	82 -	112	537	7410	7832
UN08230	Rsa1.0.00537.1	1416	186980	0	1415	1415	100 +	2	1416	164734	166148
UN08231	Rsa1.0.22522.1	1455	1114	0	936	1007	92 +	122	1125	121	1114
UN08232	Rsa1.0.04342.1	934	17828	0	430	447	96 +	16	459	7660	8103
UN08233	Rsa1.0.00663.1	979	164969	1.00E-120	268	284	94 -	699	978	126421	126704
UN08234	Rsa1.0.06471.1	1619	10954	0	1186	1221	97 +	279	1499	776	1984
UN08235	Rsa1.0.00049.1	1702	167018	0	546	579	94 -	1	579	134071	134636
UN08236	Rsa1.0.00425.1	1275	147080	0	1167	1207	96 -	29	1235	95758	96961
UN08237	Rsa1.0.00873.1	1098	61459	0	564	572	98 +	530	1098	46323	46894
UN08238	Rsa1.0.04079.1	522	19202	1.00E-54	146	159	91 -	7	165	15519	15670
UN08239	Rsa1.0.01704.1	1031	40711	0	532	541	98 +	4	543	21920	22459
UN08240	Rsa1.0.03292.1	965	23977	0	939	963	97 -	3	965	11234	12194
UN08241	Rsa1.0.00190.1	1019	318240	0	378	378	100 +	1	378	134844	135221
UN08242	Rsa1.0.00339.1	730	222974	0	374	389	96 -	342	730	52010	52386
UN08243	Rsa1.0.00111.1	884	390088	1.00E-100	228	237	96 -	643	875	77424	77659
UN08244	Rsa1.0.00079.1	966	606987	1.00E-132	292	307	95 -	4	304	41618	41923
UN08245	Rsa1.0.01326.1	765	48072	0	413	419	98 -	342	760	43752	44166
UN08246	Rsa1.0.02157.1	522	149652	0	366	376	97 +	85	457	11588	11963
UN08247	Rsa1.0.04121.1	747	18951	0	477	499	95 -	7	505	13882	14379
UN08248	Rsa1.0.01743.1	1014	39926	1.00E-132	265	272	97 -	1	271	15993	16264
UN08249	Rsa1.0.02316.1	837	32608	0	474	491	96 +	345	834	6330	6817
UN08250	Rsa1.0.00904.1	1239	180594	0	439	448	97 +	788	1234	177571	178018
UN08251	Rsa1.0.00417.1	1024	395068	0	480	487	98 +	535	1017	235258	235744
UN08252	Rsa1.0.00963.1	975	58176	1.00E-134	246	247	99 -	729	975	26299	26545
UN08253	Rsa1.0.02867.1	735	27121	2.00E-78	283	331	85 -	11	327	3466	3780
UN08254	Rsa1.0.00356.1	822	91521	1.00E-154	300	308	97 +	321	628	34979	35286
UN08255	Rsa1.0.00079.1	694	606987	1.00E-122	275	291	94 -	404	694	198839	199128
UN08256	Rsa1.0.00381.1	763	89718	1.00E-165	391	421	92 -	3	420	75167	75586
UN08257	Rsa1.0.00800.1	640	63868	0	402	402	100 -	239	640	19287	19688
UN08258	Rsa1.0.00888.1	595	60978	0	386	386	100 -	202	587	54469	54854
UN08259	Rsa1.0.07379.1	709	9492	2.00E-91	215	227	94 -	1	226	3308	3533
UN08260	Rsa1.0.00737.1	843	66432	1.00E-126	293	319	91 -	525	843	11909	12208
UN08261	Rsa1.0.00273.1	819	326186	1.00E-165	394	420	93 +	13	427	38743	39154
UN08262	Rsa1.0.00252.1	1117	102760	0	398	406	98 -	1	405	44777	45179
UN08263	Rsa1.0.00105.1	757	134138	1.00E-100	324	366	88 +	13	376	10943	11292
UN08264	Rsa1.0.01586.1	1168	42804	1.00E-172	397	425	93 -	746	1168	28079	28496
UN08265	Rsa1.0.00715.1	447	67116	1.00E-69	198	213	92 -	226	434	40371	40581
UN08266	Rsa1.0.00833.1	984	62621	2.00E-92	245	272	90 -	3	255	9801	10072

UN08267	Rsa1.0.02735.1	1221	28344	0	522	553	94 +	7	557	2745	3290
UN08268	Rsa1.0.01754.1	709	39792	0	656	671	97 -	40	707	13161	13827
UN08269	Rsa1.0.02125.1	1283	34775	1.00E-161	292	293	99 +	498	790	1907	2199
UN08270	Rsa1.0.00545.1	1010	189649	1.00E-71	153	157	97 -	760	914	35141	35297
UN08271	Rsa1.0.02183.1	1288	34170	0	1258	1286	97 -	2	1286	20423	21705
UN08272	Rsa1.0.06443.1	970	11008	1.00E-148	279	283	98 -	3	285	6909	7191
UN08273	Rsa1.0.02922.1	945	26753	1.00E-178	374	395	94 +	1	395	12310	12689
UN08274	Rsa1.0.19257.1	902	1455	0	381	383	99 -	3	385	108	490
UN08275	Rsa1.0.02340.1	1109	32388	1.00E-154	276	276	100 +	834	1109	23880	24155
UN08276	Rsa1.0.00615.1	1050	72235	1.00E-173	321	325	98 -	562	886	25400	25724
UN08277	Rsa1.0.00651.1	558	247766	1.00E-107	223	231	96 -	177	407	81983	82210
UN08278	Rsa1.0.02901.1	1262	26909	1.00E-136	261	266	98 +	266	531	20016	20281
UN08279	Rsa1.0.06373.1	928	11138	1.00E-151	280	283	98 -	601	883	751	1033
UN08280	Rsa1.0.01116.1	771	142088	0	680	712	95 -	62	765	129752	130462
UN08281	Rsa1.0.01580.1	1291	42852	0	491	495	99 -	1	494	31149	31642
UN08282	Rsa1.0.00118.1	874	130637	0	455	468	97 +	353	817	90339	90806
UN08283	Rsa1.0.01585.1	925	42806	0	546	546	100 -	1	546	15623	16168
UN08284	Rsa1.0.01031.1	1104	56236	1.00E-135	262	268	97 +	649	916	18106	18373
UN08285	Rsa1.0.06535.1	1397	10827	0	1325	1398	94 +	11	1387	2629	4010
UN08286	Rsa1.0.00018.1	1446	410899	0	336	339	99 +	1108	1446	189085	189421
UN08287	Rsa1.0.03184.1	1222	24750	1.00E-135	290	307	94 +	926	1221	21274	21580
UN08288	Rsa1.0.04961.1	644	15316	1.00E-165	294	294	100 +	350	643	13226	13519
UN08289	Rsa1.0.04988.1	1058	15221	0	352	352	100 -	632	983	499	850
UN08290	Rsa1.0.00016.1	1638	831256	0	546	554	98 -	887	1440	509054	509606
UN08291	Rsa1.0.03388.1	1078	23277	0	389	401	97 -	662	1062	17445	17845
UN08292	Rsa1.0.04524.1	1258	16981	0	507	511	99 +	750	1258	5653	6163
UN08293	Rsa1.0.00543.1	1527	76788	0	350	357	98 +	1173	1527	43302	43658
UN08294	Rsa1.0.00805.1	936	63724	1.00E-165	361	379	95 -	548	925	35498	35874
UN08295	Rsa1.0.38361.1	1729	587	0	569	602	94 -	284	884	1	587
UN08296	Rsa1.0.01630.1	598	41913	0	593	597	99 -	3	598	34843	35439
UN08297	Rsa1.0.00438.1	738	84861	1.00E-174	408	439	92 -	16	445	76921	77354
UN08298	Rsa1.0.02148.1	392	34610	1.00E-35	95	101	94 +	97	197	22799	22899
UN08299	Rsa1.0.03122.1	581	25207	0	576	577	99 +	3	579	12843	13419
UN08300	Rsa1.0.02431.1	679	31504	0	441	456	96 +	1	456	29916	30368
UN08301	Rsa1.0.00339.1	1609	222974	0	805	921	87 -	398	1318	28076	28996
UN08302	Rsa1.0.04282.1	677	18100	0	513	522	98 +	1	520	12088	12609
UN08303	Rsa1.0.00028.1	1212	293984	0	449	477	94 +	728	1204	281443	281904
UN08304	Rsa1.0.00311.1	1800	96847	0	541	552	98 +	1245	1796	35682	36229
UN08305	Rsa1.0.01022.1	1967	56606	1.00E-176	392	415	94 +	332	740	27924	28338

UN08306	Rsa1.0_00651.1	589	247766	1.00E-109	224	231	96 +	152	382	81983	82210
UN08307	Rsa1.0_00124.1	743	262503	1.00E-177	401	424	94 -	305	726	16165	16583
UN08308	Rsa1.0_00197.1	699	109714	1.00E-177	314	314	100 -	83	396	78615	78928
UN08309	Rsa1.0_00025.1	834	277312	1.00E-137	310	328	94 +	1	327	149589	149915
UN08310	Rsa1.0_00636.1	743	71113	1.00E-114	237	245	96 -	459	703	14377	14620
UN08311	Rsa1.0_00317.1	983	218290	2.00E-95	245	266	92 +	53	310	72659	72921
UN08312	Rsa1.0_01188.1	1046	51362	0	328	328	100 -	1	328	31071	31398
UN08313	Rsa1.0_00002.1	861	601661	0	426	429	99 -	413	840	140251	140677
UN08314	Rsa1.0_00131.1	1196	432233	1.00E-167	310	314	98 -	532	845	408531	408844
UN08315	Rsa1.0_00457.1	996	337301	0	379	384	98 -	6	389	128787	129170
UN08316	Rsa1.0_09097.1	696	6650	0	448	448	100 +	249	696	4943	5390
UN08317	Rsa1.0_00480.1	1207	81325	0	497	501	99 +	385	885	4323	4823
UN08318	Rsa1.0_05494.1	1007	13547	0	448	469	95 +	1	461	7633	8101
UN08319	Rsa1.0_25755.1	694	922	0	513	531	96 +	138	660	1	531
UN08320	Rsa1.0_00742.1	847	66106	1.00E-145	311	325	95 -	525	847	16526	16849
UN08321	Rsa1.0_00190.1	1903	318240	0	748	749	99 -	400	1148	105023	105771
UN08322	Rsa1.0_08364.1	811	7472	0	453	454	99 -	1	454	5218	5671
UN08323	Rsa1.0_03114.1	787	25318	0	527	527	100 -	1	527	6565	7091
UN08324	Rsa1.0_02652.1	1472	29038	0	353	355	99 -	1	355	21682	22036
UN08325	Rsa1.0_00150.1	847	154416	0	390	407	95 +	432	837	60307	60710
UN08326	Rsa1.0_04876.1	1321	15631	1.00E-126	242	246	98 +	948	1193	3072	3317
UN08327	Rsa1.0_01561.1	1176	43227	0	907	914	99 -	6	918	20971	21884
UN08328	Rsa1.0_00001.1	1112	363028	0	959	966	99 -	32	996	173735	174700
UN08329	Rsa1.0_00131.1	882	432233	0	569	582	97 -	301	882	259017	259598
UN08330	Rsa1.0_00869.1	1804	61627	0	556	581	95 +	1196	1767	16008	16585
UN08331	Rsa1.0_01382.1	1331	46877	0	357	357	100 -	975	1331	16729	17085
UN08332	Rsa1.0_05293.1	1478	14237	0	414	416	99 -	1065	1478	9512	9927
UN08333	Rsa1.0_08361.1	1747	7477	0	811	812	99 -	937	1747	5189	6000
UN08334	Rsa1.0_06438.1	659	11017	0	460	492	93 +	141	625	1531	2018
UN08335	Rsa1.0_00087.1	1210	761073	1.00E-145	265	266	99 -	271	536	274293	274558
UN08336	Rsa1.0_00079.1	673	606987	1.00E-171	304	304	100 +	1	304	198825	199128
UN08337	Rsa1.0_03694.1	924	21336	0	713	730	97 +	200	924	549	1278
UN08338	Rsa1.0_00235.1	845	154696	0	633	633	100 +	213	845	139087	139719
UN08339	Rsa1.0_00009.1	660	232558	1.00E-124	261	272	95 -	5	276	207990	208258
UN08340	Rsa1.0_01754.1	707	39792	0	685	705	97 +	3	699	13161	13863
UN08341	Rsa1.0_00545.1	1323	189649	0	525	530	99 +	9	538	37254	37783
UN08342	Rsa1.0_00786.1	822	64285	2.00E-97	196	201	97 +	396	596	41596	41796
UN08343	Rsa1.0_04415.1	1105	147889	1.00E-152	309	321	96 -	786	1100	141040	141355
UN08344	Rsa1.0_00234.1	1332	197060	0	400	415	96 +	502	915	144150	144564

UN08345	Rsa1.0.00505.1	1635	79323	0	1564	1576	99 -	57	1632	38536	40111
UN08346	Rsa1.0.00118.1	779	130637	0	513	513	100 -	2	514	95060	95572
UN08347	Rsa1.0.06303.1	1169	11268	0	746	793	94 -	255	1045	4869	5657
UN08348	Rsa1.0.01595.1	670	175383	1.00E-171	331	342	96 +	2	343	41001	41331
UN08349	Rsa1.0.00096.1	1581	198773	0	1576	1579	99 +	4	1580	40964	42542
UN08350	Rsa1.0.01414.1	900	149508	1.00E-170	348	361	96 -	2	359	115743	116102
UN08351	Rsa1.0.02675.1	562	28852	7.00E-75	143	143	100 -	183	325	17929	18071
UN08352	Rsa1.0.00031.1	1353	179862	0	399	410	97 -	3	412	161267	161676
UN08353	Rsa1.0.00079.1	660	606987	1.00E-138	279	288	96 -	373	658	198841	199128
UN08354	Rsa1.0.03956.1	684	19872	1.00E-180	331	335	98 +	317	651	16858	17192
UN08355	Rsa1.0.00340.1	802	305782	0	784	800	98 +	3	802	173358	174157
UN08356	Rsa1.0.00010.1	901	294827	1.00E-114	222	226	98 -	61	286	248372	248597
UN08357	Rsa1.0.01294.1	1107	49090	0	348	348	100 +	755	1102	40470	40817
UN08358	Rsa1.0.00480.1	772	81325	0	484	486	99 +	281	765	18939	19424
UN08359	Rsa1.0.29902.1	973	768	0	423	423	100 +	551	973	291	713
UN08360	Rsa1.0.03959.1	899	19866	0	871	914	95 +	1	899	14869	15769
UN08361	Rsa1.0.00179.1	770	393324	2.00E-72	252	284	88 +	483	752	250660	250934
UN08362	Rsa1.0.01534.1	2179	43764	0	1122	1127	99 +	3	1127	9347	10472
UN08363	Rsa1.0.00055.1	477	520193	1.00E-106	196	196	100 -	282	477	324254	324449
UN08364	Rsa1.0.02675.1	582	28852	6.00E-88	177	181	97 -	3	183	18163	18343
UN08365	Rsa1.0.04275.1	779	18136	1.00E-124	263	274	95 -	503	776	9501	9773
UN08366	Rsa1.0.00068.1	876	151813	1.00E-157	348	368	94 +	1	364	121729	122096
UN08367	Rsa1.0.00651.1	1054	247766	1.00E-65	176	188	93 -	867	1052	90200	90386
UN08368	Rsa1.0.05653.1	1028	13043	0	1004	1028	97 -	1	1028	11373	12394
UN08369	Rsa1.0.18647.1	885	1560	1.00E-170	386	412	93 -	485	885	521	932
UN08370	Rsa1.0.02797.1	732	27800	1.00E-150	300	310	96 +	9	318	652	961
UN08371	Rsa1.0.00528.1	1086	164755	0	540	564	95 -	524	1084	100787	101332
UN08372	Rsa1.0.01196.1	773	51097	1.00E-123	224	224	100 -	2	225	33470	33693
UN08373	Rsa1.0.02593.1	712	29744	1.00E-100	246	262	93 -	450	706	2905	3164
UN08374	Rsa1.0.03175.1	1202	24802	0	558	560	99 +	642	1201	4236	4793
UN08375	Rsa1.0.02673.1	1275	28877	2.00E-86	175	179	97 -	483	661	26953	27131
UN08376	Rsa1.0.01454.1	894	45440	1.00E-116	213	213	100 -	2	214	16053	16265
UN08377	Rsa1.0.05049.1	1024	15025	0	487	503	96 -	1	503	4126	4624
UN08378	Rsa1.0.05260.1	1975	14337	0	904	942	95 +	570	1508	3507	4442
UN08379	Rsa1.0.00327.1	1297	94892	0	1074	1118	96 -	209	1297	69964	71076
UN08380	Rsa1.0.01410.1	1810	46345	0	791	793	99 +	134	926	44531	45323
UN08381	Rsa1.0.06392.1	649	11104	0	466	480	97 -	1	479	10528	11005
UN08382	Rsa1.0.02774.1	665	28038	0	642	679	94 -	3	663	13469	14147
UN08383	Rsa1.0.01876.1	868	37800	0	685	717	95 +	174	868	36310	37026

UN08384	Rsa1.0.02658.1	1332	28978	0	387	405	95 -	888	1291	11639	12043
UN08385	Rsa1.0.00178.1	1469	114861	0	643	661	97 +	364	1021	42445	43105
UN08386	Rsa1.0.02953.1	866	26487	1.00E-156	295	300	98 +	567	866	2339	2638
UN08387	Rsa1.0.02432.1	1340	31499	0	1336	1340	99 +	1	1340	7301	8640
UN08388	Rsa1.0.00030.1	611	250988	1.00E-151	277	279	99 +	333	611	124651	124929
UN08389	Rsa1.0.01506.1	464	44370	2.00E-47	244	287	85 -	178	456	17898	18180
UN08390	Rsa1.0.00059.1	622	159650	1.00E-126	298	318	93 -	310	621	123646	123957
UN08391	Rsa1.0.20105.1	983	1340	0	395	401	98 +	584	981	457	857
UN08392	Rsa1.0.00088.1	775	141341	1.00E-131	253	258	98 -	411	668	19042	19299
UN08393	Rsa1.0.04098.1	750	19078	1.00E-95	304	341	89 +	17	337	11218	11553
UN08394	Rsa1.0.00660.1	808	69688	1.00E-101	233	247	94 -	568	808	52535	52781
UN08395	Rsa1.0.07826.1	1671	8466	0	1530	1543	99 -	131	1671	6924	8466
UN08396	Rsa1.0.05741.1	586	12773	0	364	364	100 +	1	364	3068	3431
UN08397	Rsa1.0.00179.1	1057	393324	1.00E-132	273	283	96 -	693	974	51891	52173
UN08398	Rsa1.0.00104.1	1572	368722	0	482	482	100 -	796	1277	278715	279196
UN08399	Rsa1.0.01857.1	650	38103	1.00E-140	363	399	90 +	178	554	4693	5090
UN08400	Rsa1.0.04518.1	1820	17005	0	517	536	96 +	680	1215	11675	12209
UN08401	Rsa1.0.00247.1	926	103408	1.00E-147	332	352	94 -	3	351	9307	9653
UN08402	Rsa1.0.00041.1	685	186197	1.00E-158	286	287	99 -	32	318	27167	27453
UN08403	Rsa1.0.03860.1	730	20407	0	330	330	100 +	1	330	14018	14347
UN08404	Rsa1.0.00745.1	1459	66067	0	701	726	96 +	207	932	42176	42898
UN08405	Rsa1.0.00001.1	1425	363028	1.00E-103	212	216	98 -	600	813	285546	285761
UN08406	Rsa1.0.00490.1	1731	186713	6.00E-41	87	87	100 +	1495	1581	33066	33152
UN08407	Rsa1.0.00888.1	603	60978	1.00E-172	335	343	97 +	76	417	54512	54854
UN08408	Rsa1.0.19230.1	972	1460	1.00E-154	298	305	97 -	667	971	967	1271
UN08409	Rsa1.0.04352.1	665	17779	0	530	557	95 -	16	572	12118	12667
UN08410	Rsa1.0.03001.1	697	26108	1.00E-103	211	218	96 +	41	253	9490	9707
UN08411	Rsa1.0.01888.1	1779	37563	0	771	772	99 -	1007	1777	14893	15664
UN08412	Rsa1.0.00760.1	924	65267	1.00E-154	277	277	100 +	1	277	51840	52116
UN08413	Rsa1.0.02316.1	813	32608	0	782	805	97 +	6	807	6017	6817
UN08414	Rsa1.0.00097.1	1141	138858	0	353	353	100 +	789	1141	120893	121245
UN08415	Rsa1.0.00978.1	973	57739	1.00E-166	516	588	87 +	49	627	42015	42599
UN08416	Rsa1.0.01460.1	1322	45255	0	617	640	96 +	51	689	34289	34925
UN08417	Rsa1.0.00048.1	1105	167185	1.00E-164	329	340	96 +	772	1105	159151	159489
UN08418	Rsa1.0.00394.1	932	148426	1.00E-132	276	286	96 +	3	286	122856	123140
UN08419	Rsa1.0.00383.1	435	398431	1.00E-174	336	346	97 -	90	435	211813	212149
UN08420	Rsa1.0.02319.1	839	32580	1.00E-145	280	285	98 +	556	839	19826	20110
UN08421	Rsa1.0.36118.1	694	625	1.00E-141	277	283	97 -	413	694	14	296
UN08422	Rsa1.0.00087.1	929	761073	1.00E-125	283	301	94 +	1	301	291671	291957

UN08423	Rsa1.0.00524.1	777	169613	1.00E-137	353	391	90 +	14	385	161710	162096
UN08424	Rsa1.0.03605.1	795	21827	1.00E-150	371	397	93 +	17	408	14371	14765
UN08425	Rsa1.0.01563.1	1132	170823	0	370	379	97 +	3	381	14874	15252
UN08426	Rsa1.0.03491.1	755	22541	0	573	599	95 -	49	640	8983	9580
UN08427	Rsa1.0.07261.1	762	9648	0	761	762	99 +	1	762	2696	3457
UN08428	Rsa1.0.02105.1	960	156953	0	467	487	95 +	3	485	150681	151165
UN08429	Rsa1.0.01635.1	713	41865	0	674	717	94 -	3	713	15907	16610
UN08430	Rsa1.0.00972.1	1190	57937	2.00E-98	196	199	98 +	3	201	45886	46083
UN08431	Rsa1.0.00552.1	1277	206757	2.00E-89	201	212	94 -	212	423	187055	187266
UN08432	Rsa1.0.08717.1	864	7008	0	413	423	97 +	311	733	2884	3306
UN08433	Rsa1.0.02139.1	821	34686	0	371	371	100 +	1	371	5542	5912
UN08434	Rsa1.0.02143.1	690	34632	0	415	416	99 +	275	690	13042	13457
UN08435	Rsa1.0.00344.1	611	191774	1.00E-101	190	191	99 -	213	403	156563	156753
UN08436	Rsa1.0.02662.1	741	28956	8.00E-97	186	188	98 -	301	488	10660	10847
UN08437	Rsa1.0.00115.1	759	131321	0	575	593	96 +	169	759	34041	34619
UN08438	Rsa1.0.01659.1	1857	164577	0	615	630	97 -	154	780	143506	144135
UN08439	Rsa1.0.01687.1	2159	40979	0	1937	1939	99 -	221	2159	1391	3329
UN08440	Rsa1.0.00807.1	1322	63607	0	725	740	97 +	562	1299	61983	62721
UN08441	Rsa1.0.05482.1	939	13595	1.00E-164	329	341	96 -	131	471	12266	12606
UN08442	Rsa1.0.04651.1	1478	16516	0	551	573	96 -	349	921	13816	14388
UN08443	Rsa1.0.00577.1	892	174827	0	458	461	99 -	2	462	126027	126487
UN08444	Rsa1.0.00472.1	1338	398134	0	394	403	97 +	359	761	166818	167220
UN08445	Rsa1.0.00092.1	612	659932	0	606	611	99 -	1	610	650842	651448
UN08446	Rsa1.0.01484.1	1071	44806	0	558	585	95 +	430	1012	40748	41326
UN08447	Rsa1.0.05631.1	802	13127	1.00E-143	327	346	94 -	41	384	4477	4821
UN08448	Rsa1.0.05631.1	800	13127	1.00E-143	323	342	94 +	418	757	4477	4818
UN08449	Rsa1.0.01887.1	1023	37564	0	502	509	98 +	514	1022	26538	27046
UN08450	Rsa1.0.27679.1	468	843	1.00E-171	317	320	99 -	119	437	208	527
UN08451	Rsa1.0.00178.1	655	114861	1.00E-114	276	296	93 -	1	284	12165	12459
UN08452	Rsa1.0.00111.1	648	390088	0	379	381	99 -	1	380	75630	76010
UN08453	Rsa1.0.00571.1	1694	329018	0	587	614	95 +	2	612	13286	13899
UN08454	Rsa1.0.08223.1	760	7700	0	469	492	95 +	263	753	6338	6820
UN08455	Rsa1.0.02064.1	999	35476	1.00E-171	372	391	95 -	542	929	16635	17023
UN08456	Rsa1.0.01536.1	863	43747	0	416	436	95 -	292	727	18915	19349
UN08457	Rsa1.0.00139.1	1077	357786	1.00E-147	264	264	100 -	181	444	265190	265453
UN08458	Rsa1.0.00343.1	1291	93570	0	765	781	97 +	457	1237	90963	91743
UN08459	Rsa1.0.00888.1	997	60978	1.00E-151	300	307	97 -	676	980	13819	14124
UN08460	Rsa1.0.00940.1	1081	179946	0	611	629	97 -	4	631	175916	176544
UN08461	Rsa1.0.01811.1	847	38977	1.00E-159	368	390	94 -	2	385	1187	1575

UN08462	Rsa1.0_00002.1	1520	601661	0	349	351	99 +	1	350	55273	55623
UN08463	Rsa1.0_00230.1	885	105389	1.00E-166	343	356	96 -	456	810	2571	2925
UN08464	Rsa1.0_02434.1	455	31464	0	451	453	99 -	3	455	1745	2197
UN08465	Rsa1.0_02508.1	1233	30675	0	823	831	99 -	1	831	13374	14204
UN08466	Rsa1.0_00026.1	1192	327835	0	1173	1191	98 +	2	1191	2422	3612
UN08467	Rsa1.0_07877.1	1030	8373	2.00E-79	151	151	100 +	429	579	5171	5321
UN08468	Rsa1.0_07344.1	1149	9528	0	396	408	97 -	17	423	523	930
UN08469	Rsa1.0_03236.1	1345	24441	0	1158	1177	98 +	150	1326	5427	6602
UN08470	Rsa1.0_00512.1	1572	200277	0	539	548	98 -	3	550	66192	66734
UN08471	Rsa1.0_05878.1	1065	12344	1.00E-165	336	346	97 -	721	1065	8157	8499
UN08472	Rsa1.0_00248.1	1377	163568	1.00E-177	327	331	98 +	1045	1375	71990	72320
UN08473	Rsa1.0_00126.1	921	127534	1.00E-154	306	316	96 +	497	812	37046	37361
UN08474	Rsa1.0_00017.1	953	752458	1.00E-139	318	339	93 -	618	950	719238	719576
UN08475	Rsa1.0_01145.1	1043	149247	0	502	519	96 -	527	1043	123235	123750
UN08476	Rsa1.0_00638.1	953	71037	1.00E-111	258	275	93 +	341	613	9032	9306
UN08477	Rsa1.0_00065.1	907	454616	0	561	561	100 -	347	907	452719	453279
UN08478	Rsa1.0_09218.1	1196	6550	0	519	541	95 +	2	530	276	816
UN08479	Rsa1.0_00464.1	869	82253	1.00E-162	305	309	98 -	563	869	14642	14950
UN08480	Rsa1.0_02532.1	1219	30403	0	854	859	99 -	321	1178	6583	7440
UN08481	Rsa1.0_09169.1	1026	6589	0	381	400	95 -	5	404	5660	6059
UN08482	Rsa1.0_08358.1	1473	7484	0	452	467	96 +	334	793	6492	6958
UN08483	Rsa1.0_00939.1	1959	185227	0	685	732	93 +	346	1058	37737	38465
UN08484	Rsa1.0_01882.1	1279	37697	0	938	971	96 +	326	1278	23907	24875
UN08485	Rsa1.0_01789.1	1192	39250	0	456	473	96 +	721	1188	19826	20296
UN08486	Rsa1.0_00147.1	1188	249503	0	545	575	94 -	612	1186	155695	156259
UN08487	Rsa1.0_00016.1	1164	831256	1.00E-152	317	328	96 +	25	350	370678	371003
UN08488	Rsa1.0_02139.1	1184	34686	0	494	510	96 +	3	509	24905	25414
UN08489	Rsa1.0_00165.1	1453	116466	1.00E-149	318	332	95 +	9	338	5412	5742
UN08490	Rsa1.0_03097.1	1338	25434	1.00E-139	273	279	97 +	893	1169	20254	20532
UN08491	Rsa1.0_02670.1	1353	28887	0	422	423	99 -	931	1353	3782	4204
UN08492	Rsa1.0_00026.1	1713	327835	0	464	468	99 -	1246	1713	240917	241382
UN08493	Rsa1.0_01975.1	1081	36578	0	399	422	94 -	671	1080	13994	14415
UN08494	Rsa1.0_00821.1	981	62891	0	570	574	99 -	407	979	46782	47355
UN08495	Rsa1.0_02481.1	1361	31035	0	735	768	95 +	2	760	17765	18531
UN08496	Rsa1.0_00938.1	994	193891	0	507	526	96 +	443	966	172122	172647
UN08497	Rsa1.0_00320.1	1115	95784	1.00E-133	379	426	88 +	297	710	37469	37882
UN08498	Rsa1.0_00251.1	537	303968	1.00E-101	276	299	92 -	242	532	120925	121221
UN08499	Rsa1.0_01328.1	1587	48021	2.00E-74	149	151	98 +	916	1066	43897	44047
UN08500	Rsa1.0_02177.1	914	34262	3.00E-75	168	176	95 -	434	609	14545	14720

UN08501	Rsa1.0.00589.1	1473	209965	0	403	415	97 +	1004	1418	152952	153365
UN08502	Rsa1.0.01185.1	1479	149842	0	779	779	100 +	232	1010	12499	13277
UN08503	Rsa1.0.00015.1	1086	561803	1.00E-114	245	257	95 -	376	621	186923	187179
UN08504	Rsa1.0.00104.1	1174	368722	0	425	441	96 -	740	1174	41579	42018
UN08505	Rsa1.0.00144.1	1009	120708	0	449	464	96 -	542	1005	45107	45567
UN08506	Rsa1.0.00552.1	868	206757	0	390	410	95 +	3	400	195140	195549
UN08507	Rsa1.0.00047.1	1192	168582	0	436	455	95 +	734	1188	67922	68376
UN08508	Rsa1.0.02840.1	1006	27386	0	710	736	96 -	4	729	26285	27020
UN08509	Rsa1.0.00430.1	1133	85453	0	860	887	96 -	247	1133	44137	45023
UN08510	Rsa1.0.02474.1	1324	31076	0	423	424	99 +	1	424	19878	20301
UN08511	Rsa1.0.03267.1	1321	24230	0	748	776	96 +	549	1321	16677	17444
UN08512	Rsa1.0.00069.1	1055	403561	1.00E-179	358	371	96 -	441	811	395707	396077
UN08513	Rsa1.0.00064.1	1271	240927	0	859	900	95 +	381	1271	232169	233058
UN08514	Rsa1.0.02163.1	1711	34427	1.00E-167	299	299	100 -	1	299	12765	13063
UN08515	Rsa1.0.04524.1	1142	16981	0	402	417	96 +	698	1105	5653	6069
UN08516	Rsa1.0.01773.1	919	39546	1.00E-108	229	239	95 -	213	451	28417	28655
UN08517	Rsa1.0.00269.1	1635	341668	0	540	541	99 +	1095	1635	190483	191023
UN08518	Rsa1.0.33279.1	1031	682	0	409	420	97 +	1	419	263	682
UN08519	Rsa1.0.00355.1	1061	92038	0	482	488	98 -	1	488	64491	64978
UN08520	Rsa1.0.04466.1	1281	17236	0	1196	1196	100 +	84	1279	7946	9141
UN08521	Rsa1.0.02053.1	785	35554	0	379	380	99 +	406	785	32532	32910
UN08522	Rsa1.0.01946.1	1343	36982	1.00E-176	414	449	92 +	877	1311	33540	33982
UN08523	Rsa1.0.02851.1	1207	27295	2.33E-156	317	332	95 +	1	325	8869	9196
UN08524	Rsa1.0.00080.1	1268	190437	0	502	520	96 +	406	925	84945	85464
UN08525	Rsa1.0.02072.1	992	35401	1.00E-132	278	289	96 +	7	292	5412	5699
UN08526	Rsa1.0.00048.1	1290	167185	1.00E-175	345	356	96 +	3	358	96417	96772
UN08527	Rsa1.0.00646.1	923	70473	6.00E-61	158	168	94 -	659	825	6088	6254
UN08528	Rsa1.0.00295.1	887	152597	6.00E-95	270	298	90 +	569	855	140727	141019
UN08529	Rsa1.0.00523.1	617	178770	0	533	548	97 -	3	550	101654	102201
UN08530	Rsa1.0.11519.1	828	5480	0	375	391	95 -	3	390	4924	5308
UN08531	Rsa1.0.01229.1	1130	50235	0	1115	1130	98 -	1	1129	3374	4502
UN08532	Rsa1.0.00656.1	1225	69968	0	614	615	99 -	8	622	46621	47235
UN08533	Rsa1.0.00025.1	1537	277312	0	789	853	92 +	9	836	251308	252153
UN08534	Rsa1.0.05477.1	924	13613	1.00E-130	284	298	95 -	636	924	4150	4447
UN08535	Rsa1.0.00328.1	2049	224661	0	548	558	98 +	3	560	140650	141205
UN08536	Rsa1.0.01803.1	869	173846	0	399	412	96 +	461	869	143938	144349
UN08537	Rsa1.0.13994.1	1070	3941	0	331	333	99 -	7	339	2090	2422
UN08538	Rsa1.0.00205.1	1239	193401	0	469	482	97 +	85	566	97462	97943
UN08539	Rsa1.0.00418.1	1243	215377	1.00E-142	271	276	98 -	4	279	47449	47724

UN08540	Rsa1.0.03469.1	1043	22681	0	786	805	97 +	199	1000	11058	11858
UN08541	Rsa1.0.01293.1	1861	49139	0	573	575	99 +	1285	1859	23051	23625
UN08542	Rsa1.0.01573.1	1134	42964	1.00E-135	318	341	93 +	780	1119	4044	4369
UN08543	Rsa1.0.00149.1	1040	305196	0	506	506	100 +	535	1040	104054	104559
UN08544	Rsa1.0.00101.1	763	267193	0	344	349	98 -	416	762	216292	216640
UN08545	Rsa1.0.02415.1	1403	31609	0	784	799	98 +	604	1402	27010	27808
UN08546	Rsa1.0.03952.1	908	19891	0	562	567	99 +	171	736	3722	4288
UN08547	Rsa1.0.07515.1	629	9221	0	627	629	99 -	3	629	7004	7632
UN08548	Rsa1.0.01833.1	1117	38555	1.00E-116	213	213	100 +	830	1042	16525	16737
UN08549	Rsa1.0.02058.1	1133	35532	0	535	537	99 -	1	537	13428	13964
UN08550	Rsa1.0.00917.1	964	182012	0	444	467	95 -	498	964	175675	176128
UN08551	Rsa1.0.00086.1	1243	439854	0	583	601	97 +	641	1237	234282	234875
UN08552	Rsa1.0.00725.1	819	66757	0	633	648	97 -	14	660	40226	40872
UN08553	Rsa1.0.02406.1	806	145276	1.00E-169	327	333	98 +	472	803	1739	2070
UN08554	Rsa1.0.02605.1	1107	29637	0	545	578	94 -	3	566	25931	26504
UN08555	Rsa1.0.00954.1	1125	189536	1.00E-174	316	318	99 +	808	1125	155715	156032
UN08556	Rsa1.0.03500.1	1264	22461	0	1251	1260	99 -	5	1264	7828	9086
UN08557	Rsa1.0.00269.1	1290	341668	0	892	899	99 +	368	1266	48310	49208
UN08558	Rsa1.0.00629.1	1454	71381	0	788	812	97 +	292	1102	45375	46186
UN08559	Rsa1.0.00037.1	1279	307838	0	951	954	99 -	325	1278	175872	176825
UN08560	Rsa1.0.04218.1	708	18423	6.00E-82	164	167	98 -	234	400	17583	17749
UN08561	Rsa1.0.02707.1	1282	28520	0	348	350	99 +	433	782	12735	13084
UN08562	Rsa1.0.10478.1	1086	5832	1.00E-154	277	277	100 -	1	277	5140	5416
UN08563	Rsa1.0.01403.1	903	46453	0	449	457	98 +	448	903	3064	3518
UN08564	Rsa1.0.00113.1	914	131574	0	704	723	97 +	1	720	31560	32282
UN08565	Rsa1.0.00416.1	2214	86772	0	508	510	99 +	247	756	74497	75006
UN08566	Rsa1.0.00031.1	728	179862	1.00E-163	391	422	92 +	1	421	73397	73816
UN08567	Rsa1.0.02033.1	1133	35828	0	1087	1130	96 -	2	1124	20373	21501
UN08568	Rsa1.0.00038.1	1389	314568	1.00E-126	285	299	95 +	1065	1359	52376	52671
UN08569	Rsa1.0.00051.1	1068	258225	0	1014	1088	93 +	3	1068	113688	114762
UN08570	Rsa1.0.01434.1	890	45951	0	781	802	97 +	95	889	351	1151
UN08571	Rsa1.0.00039.1	1247	296927	4.00E-63	202	227	88 -	984	1198	223067	223293
UN08572	Rsa1.0.00161.1	1198	116891	0	449	452	99 +	3	454	30418	30869
UN08573	Rsa1.0.02418.1	747	31590	1.00E-169	305	306	99 -	1	306	5189	5494
UN08574	Rsa1.0.00344.1	1647	191774	0	817	847	96 -	780	1614	102407	103253
UN08575	Rsa1.0.00615.1	1018	72235	0	383	384	99 +	633	1016	26377	26760
UN08576	Rsa1.0.04121.1	770	18951	0	436	455	95 -	55	509	13882	14336
UN08577	Rsa1.0.01136.1	577	52724	2.00E-84	229	252	90 +	315	553	14179	14429
UN08578	Rsa1.0.00710.1	562	67325	1.00E-153	317	329	96 -	237	562	65792	66119

UN08579	Rsa1.0.00589.1	1318	209965	1.00E-170	312	315	99 +	984	1298	194796	195110
UN08580	Rsa1.0.00017.1	1229	752458	0	680	716	94 +	491	1204	416018	416733
UN08581	Rsa1.0.00678.1	604	193163	1.00E-153	275	275	100 +	330	604	23909	24183
UN08582	Rsa1.0.00851.1	734	62181	0	443	475	93 -	3	468	8707	9171
UN08583	Rsa1.0.01026.1	2152	171624	0	2144	2154	99 -	1	2152	138812	140965
UN08584	Rsa1.0.02280.1	613	33063	2.00E-53	225	264	85 +	93	356	29423	29677
UN08585	Rsa1.0.00323.1	534	159650	1.00E-134	286	299	95 -	234	530	61652	61947
UN08586	Rsa1.0.00089.1	1095	406142	0	515	515	100 +	581	1095	196391	196905
UN08587	Rsa1.0.03605.1	696	21827	0	407	412	98 -	288	696	17738	18149
UN08588	Rsa1.0.00065.1	741	454616	1.00E-148	293	302	97 +	356	657	231797	232098
UN08589	Rsa1.0.00302.1	1378	97521	1.00E-158	344	363	94 +	3	362	33883	34242
UN08590	Rsa1.0.01322.1	746	48166	1.00E-168	326	335	97 -	35	369	28900	29234
UN08591	Rsa1.0.00071.1	991	345714	0	372	378	98 -	469	846	311954	312331
UN08592	Rsa1.0.00610.1	976	72740	0	491	513	95 +	8	513	35082	35589
UN08593	Rsa1.0.00337.1	813	143174	1.00E-137	260	264	98 +	134	397	1585	1848
UN08594	Rsa1.0.03406.1	846	23159	0	488	499	97 +	3	501	15506	16002
UN08595	Rsa1.0.05708.1	995	12871	0	623	651	95 -	10	660	11144	11794
UN08596	Rsa1.0.28133.1	1259	826	0	417	426	97 -	3	428	1	426
UN08597	Rsa1.0.01335.1	1104	47894	1.00E-157	368	397	92 -	708	1104	18291	18681
UN08598	Rsa1.0.00162.1	529	239935	0	406	407	99 -	1	407	12315	12721
UN08599	Rsa1.0.01088.1	736	54416	2.00E-97	195	199	97 -	3	198	30917	31115
UN08600	Rsa1.0.02606.1	1412	29635	1.00E-175	356	366	97 +	1050	1412	7554	7916
UN08601	Rsa1.0.00433.1	799	85381	5.00E-95	253	273	92 +	28	295	65209	65477
UN08602	Rsa1.0.00136.1	626	122464	1.00E-110	206	207	99 +	2	208	54754	54960
UN08603	Rsa1.0.00077.1	1039	145005	0	799	849	94 +	177	1022	33313	34143
UN08604	Rsa1.0.00306.1	1019	146760	1.00E-164	417	459	90 -	155	595	133202	133651
UN08605	Rsa1.0.00900.1	906	60367	0	507	511	99 +	3	513	19835	20345
UN08606	Rsa1.0.15466.1	775	2589	0	748	774	96 -	9	773	983	1752
UN08607	Rsa1.0.00262.1	688	101906	1.00E-121	248	256	96 -	417	670	46408	46663
UN08608	Rsa1.0.25755.1	671	922	0	507	531	95 +	115	637	1	531
UN08609	Rsa1.0.03462.1	1023	22725	1.00E-130	258	264	97 +	758	1021	15190	15452
UN08610	Rsa1.0.02956.1	1288	26483	0	540	541	99 -	748	1288	3074	3614
UN08611	Rsa1.0.07528.1	645	9195	0	632	644	98 +	3	645	3308	3950
UN08612	Rsa1.0.15363.1	617	2655	0	591	613	96 -	1	608	1692	2304
UN08613	Rsa1.0.00931.1	920	59210	0	916	927	98 -	3	920	44659	45585
UN08614	Rsa1.0.01655.1	874	41508	0	411	429	95 -	448	874	1660	2088
UN08615	Rsa1.0.06732.1	800	10449	0	748	763	98 -	41	800	8829	9591
UN08616	Rsa1.0.16475.1	933	2143	1.00E-103	209	215	97 +	625	839	1084	1298
UN08617	Rsa1.0.01340.1	1120	47805	0	558	605	92 +	520	1120	46060	46664

UN08618	Rsa1.0.00017.1	1565	752458	0	694	751	92 +	750	1497	352440	353175
UN08619	Rsa1.0.00194.1	1216	110851	0	518	519	99 -	1	519	50578	51096
UN08620	Rsa1.0.00066.1	868	152418	0	429	451	95 -	8	450	19638	20088
UN08621	Rsa1.0.09211.1	914	6556	8.00E-76	157	161	97 +	580	740	4357	4517
UN08622	Rsa1.0.00121.1	1240	278029	1.00E-167	411	444	92 -	240	683	44291	44727
UN08623	Rsa1.0.03794.1	662	20825	0	659	660	99 +	3	662	16628	17286
UN08624	Rsa1.0.01373.1	1702	47052	0	481	481	100 +	1	481	3444	3924
UN08625	Rsa1.0.02482.1	1113	31000	0	612	634	96 +	329	947	26970	27603
UN08626	Rsa1.0.01529.1	891	43871	1.00E-145	359	393	91 -	499	891	38298	38675
UN08627	Rsa1.0.02365.1	1174	32118	0	555	596	93 -	568	1157	29274	29863
UN08628	Rsa1.0.01803.1	1104	173846	1.00E-167	335	347	96 +	6	352	169093	169439
UN08629	Rsa1.0.04787.1	520	15987	9.00E-99	246	264	93 -	261	519	3082	3344
UN08630	Rsa1.0.01352.1	784	47443	0	460	464	99 -	4	467	954	1417
UN08631	Rsa1.0.00971.1	1450	57973	0	1448	1451	99 -	1	1450	14055	15505
UN08632	Rsa1.0.02684.1	1474	28676	0	512	552	92 -	447	984	336	882
UN08633	Rsa1.0.05782.1	1028	12646	1.00E-108	211	215	98 +	147	361	8062	8276
UN08634	Rsa1.0.09130.1	708	6623	0	615	645	95 +	20	661	3395	4028
UN08635	Rsa1.0.01058.1	879	55430	0	575	594	96 -	288	879	31998	32588
UN08636	Rsa1.0.00039.1	1134	296927	0	368	374	98 -	119	492	290917	291290
UN08637	Rsa1.0.00460.1	1064	206387	0	540	560	96 +	3	555	17702	18261
UN08638	Rsa1.0.34683.1	1386	653	0	649	653	99 +	3	654	1	653
UN08639	Rsa1.0.00579.1	1240	148308	1.00E-155	279	279	100 -	1	279	71242	71520
UN08640	Rsa1.0.01388.1	1263	46741	0	342	346	98 +	62	407	25410	25755
UN08641	Rsa1.0.00769.1	1000	64911	1.00E-157	297	302	98 +	3	304	12971	13272
UN08642	Rsa1.0.01581.1	675	42833	1.00E-160	298	302	98 +	86	387	7614	7915
UN08643	Rsa1.0.00820.1	945	62911	0	562	564	99 +	382	944	24795	25358
UN08644	Rsa1.0.00448.1	1089	84048	0	1086	1087	99 +	3	1089	19792	20878
UN08645	Rsa1.0.01881.1	683	37721	2.00E-51	113	116	97 -	129	244	23401	23516
UN08646	Rsa1.0.02505.1	649	30703	1.00E-89	180	184	97 -	159	342	29797	29980
UN08647	Rsa1.0.00938.1	931	193891	0	784	801	97 -	2	800	179936	180735
UN08648	Rsa1.0.04051.1	1147	19375	0	486	491	98 +	611	1101	10627	11117
UN08649	Rsa1.0.01519.1	1565	44144	0	612	622	98 -	951	1565	14902	15523
UN08650	Rsa1.0.00980.1	1054	57729	1.00E-142	256	256	100 -	799	1054	26581	26836
UN08651	Rsa1.0.01857.1	1260	38103	1.00E-149	356	383	92 +	361	737	6745	7124
UN08652	Rsa1.0.01578.1	1231	42880	0	780	790	98 -	400	1188	4209	4998
UN08653	Rsa1.0.00213.1	561	108167	1.00E-168	302	303	99 +	259	561	39811	40113
UN08654	Rsa1.0.00064.1	1239	240927	1.00E-132	246	248	99 -	651	898	185539	185786
UN08655	Rsa1.0.00135.1	585	178077	0	350	351	99 -	236	585	2957	3307
UN08656	Rsa1.0.00370.1	1196	90472	1.00E-132	258	263	98 +	85	345	42	304

UN08657	Rsa1.0.00375.1	1113	90207	0	379	387	97 +	120	506	56410	56796
UN08658	Rsa1.0.00201.1	790	232851	0	741	775	95 +	8	779	140320	141089
UN08659	Rsa1.0.03355.1	868	23489	0	563	565	99 -	304	868	14147	14711
UN08660	Rsa1.0.01454.1	1348	45440	1.00E-175	359	373	96 +	985	1348	12955	13326
UN08661	Rsa1.0.03049.1	1267	25771	1.00E-166	296	296	100 -	970	1265	9212	9507
UN08662	Rsa1.0.01493.1	1281	44670	0	781	782	99 +	156	937	32666	33447
UN08663	Rsa1.0.25895.1	567	914	0	370	371	99 -	195	565	161	531
UN08664	Rsa1.0.00018.1	765	410899	1.00E-165	323	329	98 +	437	765	259091	259415
UN08665	Rsa1.0.03476.1	1527	22646	0	1365	1397	97 -	88	1479	12628	14022
UN08666	Rsa1.0.02201.1	607	33981	0	598	606	98 -	3	606	26536	27137
UN08667	Rsa1.0.01359.1	1009	47271	1.00E-122	280	299	93 -	1	299	33556	33849
UN08668	Rsa1.0.03253.1	925	24321	1.00E-103	203	207	98 -	49	255	15147	15353
UN08669	Rsa1.0.01958.1	560	261128	1.00E-117	294	318	92 -	55	368	110198	110502
UN08670	Rsa1.0.00050.1	472	237174	1.00E-125	350	388	90 -	6	383	180825	181210
UN08671	Rsa1.0.00005.1	684	353093	1.00E-101	198	200	99 +	1	200	280457	280655
UN08672	Rsa1.0.00880.1	515	61271	0	453	463	97 +	52	510	40587	41049
UN08673	Rsa1.0.02976.1	621	26315	0	378	382	98 -	240	621	18436	18816
UN08674	Rsa1.0.02983.1	440	26268	1.00E-103	190	190	100 -	87	276	809	998
UN08675	Rsa1.0.00838.1	686	153820	0	395	396	99 -	291	686	149595	149990
UN08676	Rsa1.0.00050.1	1676	237174	0	1034	1042	99 -	635	1676	10213	11254
UN08677	Rsa1.0.04070.1	937	19244	0	497	508	97 +	438	937	2567	3074
UN08678	Rsa1.0.00176.1	687	240984	0	524	560	93 -	3	547	9869	10426
UN08679	Rsa1.0.02037.1	815	35717	0	362	368	98 +	2	368	25463	25830
UN08680	Rsa1.0.04794.1	767	15960	1.00E-131	306	328	93 -	120	447	2694	3014
UN08681	Rsa1.0.00033.1	516	515811	7.00E-78	247	280	88 +	248	516	33139	33414
UN08682	Rsa1.0.02500.1	822	30768	1.00E-152	359	390	92 +	444	816	7770	8159
UN08683	Rsa1.0.02360.1	1047	32203	0	588	630	93 +	1	609	23949	24578
UN08684	Rsa1.0.01492.1	1056	44704	0	329	329	100 -	3	331	35636	35964
UN08685	Rsa1.0.08224.1	503	7697	0	452	472	95 +	3	472	4459	4925
UN08686	Rsa1.0.01136.1	652	52724	0	377	378	99 +	276	652	14179	14556
UN08687	Rsa1.0.02869.1	1042	27109	0	447	470	95 +	28	496	3367	3823
UN08688	Rsa1.0.00301.1	746	365315	1.00E-132	346	382	90 +	368	737	346680	347051
UN08689	Rsa1.0.00237.1	1129	235974	0	396	401	98 -	4	399	99025	99425
UN08690	Rsa1.0.00679.1	977	68971	0	877	921	95 -	3	923	701	1605
UN08691	Rsa1.0.00410.1	771	86957	0	421	421	100 +	19	439	33168	33588
UN08692	Rsa1.0.00867.1	819	61635	1.00E-147	267	268	99 -	3	270	45036	45303
UN08693	Rsa1.0.02848.1	573	27329	1.00E-116	222	225	98 +	204	428	8638	8862
UN08694	Rsa1.0.00066.1	1433	152418	0	568	568	100 -	866	1433	65065	65632
UN08695	Rsa1.0.07606.1	937	9035	1.00E-133	332	362	91 -	584	937	2792	3142

UN08696	Rsa1.0_00306.1	1075	146760	0	546	555	98 -	521	1072	135593	136147
UN08697	Rsa1.0_00743.1	661	177459	4.00E-61	132	136	97 +	259	394	613	748
UN08698	Rsa1.0_00250.1	1306	273771	0	370	371	99 +	935	1305	230593	230963
UN08699	Rsa1.0_00179.1	671	393324	1.00E-166	365	383	95 -	17	392	248844	249223
UN08700	Rsa1.0_18177.1	800	1651	1.00E-165	309	314	98 -	487	800	706	1019
UN08701	Rsa1.0_00598.1	673	73425	0	662	669	98 -	5	673	66879	67541
UN08702	Rsa1.0_00017.1	626	752458	9.00E-87	220	237	92 +	393	624	661547	661779
UN08703	Rsa1.0_11534.1	1190	5477	0	454	467	97 -	452	918	1259	1725
UN08704	Rsa1.0_00639.1	982	165873	0	956	976	97 -	6	981	126875	127849
UN08705	Rsa1.0_00056.1	744	332604	0	722	736	98 +	5	739	1485	2220
UN08706	Rsa1.0_00059.1	1317	159650	0	560	572	97 -	748	1315	121057	121628
UN08707	Rsa1.0_03467.1	1396	22687	0	581	592	98 +	756	1346	13100	13691
UN08708	Rsa1.0_00145.1	1143	261008	0	612	619	98 +	3	616	48222	48840
UN08709	Rsa1.0_00224.1	704	327530	1.00E-95	218	227	96 -	411	634	178415	178637
UN08710	Rsa1.0_00662.1	1012	192183	0	476	485	98 +	392	876	29861	30342
UN08711	Rsa1.0_00111.1	861	390088	0	487	487	100 -	375	861	219082	219568
UN08712	Rsa1.0_02831.1	1427	27533	0	1381	1381	100 +	47	1427	13241	14621
UN08713	Rsa1.0_00644.1	874	136881	1.00E-144	321	339	94 +	545	874	31373	31708
UN08714	Rsa1.0_17354.1	576	1851	2.33E-156	278	282	98 +	157	437	420	701
UN08715	Rsa1.0_00065.1	951	454616	0	681	690	98 -	260	949	58813	59501
UN08716	Rsa1.0_00405.1	1194	202864	0	1146	1172	97 +	22	1193	154165	155336
UN08717	Rsa1.0_00078.1	1289	175053	0	524	531	98 +	3	533	91043	91570
UN08718	Rsa1.0_00407.1	994	191544	0	447	457	97 +	535	990	25043	25499
UN08719	Rsa1.0_00655.1	1356	195840	1.00E-120	329	369	89 +	1009	1356	163505	163873
UN08720	Rsa1.0_02630.1	1274	29349	0	504	515	97 +	1	515	21173	21687
UN08721	Rsa1.0_00179.1	830	393324	1.00E-123	276	289	95 -	65	351	250660	250943
UN08722	Rsa1.0_12975.1	1097	5057	0	486	497	97 -	194	690	1	496
UN08723	Rsa1.0_00472.1	1469	398134	0	1065	1100	96 -	8	1084	174721	175820
UN08724	Rsa1.0_03865.1	837	20373	1.00E-126	230	230	100 -	258	487	15975	16204
UN08725	Rsa1.0_04493.1	868	17137	0	848	868	97 -	6	868	5195	6056
UN08726	Rsa1.0_00323.1	1006	159650	0	527	527	100 -	68	594	78555	79081
UN08727	Rsa1.0_00171.1	788	115622	0	603	609	99 -	180	788	113756	114364
UN08728	Rsa1.0_07638.1	1575	8967	1.00E-168	426	466	91 -	1115	1573	4103	4555
UN08729	Rsa1.0_00130.1	583	125737	1.00E-110	253	264	95 +	326	583	50495	50757
UN08730	Rsa1.0_05082.1	1385	14896	0	1338	1367	97 +	5	1368	9751	11116
UN08731	Rsa1.0_00316.1	731	96264	6.00E-45	108	112	96 +	177	286	57738	57849
UN08732	Rsa1.0_00037.1	1642	307838	0	550	601	91 +	1	578	236111	236705
UN08733	Rsa1.0_02840.1	929	27386	0	432	458	94 +	278	726	26285	26742
UN08734	Rsa1.0_33333.1	684	681	0	578	613	94 -	53	661	76	681

UN08735	Rsa1.0_14327.1	694	3518	1.00E-152	394	428	92 +	254	679	231	645
UN08736	Rsa1.0_08796.1	749	6916	0	446	463	96 +	288	749	4101	4562
UN08737	Rsa1.0_09528.1	919	6309	0	405	405	100 +	515	919	1	405
UN08738	Rsa1.0_02601.1	552	29654	1.00E-60	119	119	100 +	432	550	2926	3044
UN08739	Rsa1.0_05074.1	2119	14925	0	517	527	98 +	1	525	902	1427
UN08740	Rsa1.0_00456.1	1224	82826	0	980	1013	96 -	210	1222	78585	79582
UN08741	Rsa1.0_00124.1	624	262503	0	621	624	99 +	1	624	142943	143565
UN08742	Rsa1.0_04520.1	525	16995	1.00E-156	289	291	99 -	3	291	11580	11870
UN08743	Rsa1.0_00041.1	1067	186197	1.00E-139	279	288	96 +	371	658	33067	33354
UN08744	Rsa1.0_00078.1	1229	175053	0	502	508	98 +	605	1112	41372	41879
UN08745	Rsa1.0_00293.1	939	339294	0	465	471	98 -	83	553	65205	65675
UN08746	Rsa1.0_13353.1	475	4894	7.00E-84	161	162	99 -	230	391	4060	4221
UN08747	Rsa1.0_00001.1	1024	363028	1.00E-123	255	263	96 +	718	978	322377	322638
UN08748	Rsa1.0_00121.1	1235	278029	0	423	437	96 -	233	666	44291	44727
UN08749	Rsa1.0_03028.1	706	25872	0	585	602	97 -	68	668	16430	17031
UN08750	Rsa1.0_00920.1	966	601703	0	920	940	97 +	1	939	13704	14643
UN08751	Rsa1.0_06728.1	916	10455	1.00E-173	342	352	97 -	565	916	9098	9448
UN08752	Rsa1.0_05895.1	1261	12305	0	342	342	100 +	920	1261	4214	4555
UN08753	Rsa1.0_00741.1	1443	66117	0	1055	1233	85 -	212	1438	30392	31621
UN08754	Rsa1.0_05440.1	512	13749	6.00E-66	128	128	100 -	3	130	13262	13389
UN08755	Rsa1.0_00800.1	490	63868	1.00E-136	248	249	99 +	45	293	14037	14285
UN08756	Rsa1.0_00777.1	965	191865	0	424	436	97 -	178	613	128527	128962
UN08757	Rsa1.0_00197.1	699	109714	0	376	382	98 +	224	605	94811	95190
UN08758	Rsa1.0_05819.1	1281	12543	0	1243	1270	97 +	12	1280	2234	3494
UN08759	Rsa1.0_00157.1	566	245832	0	433	456	94 -	62	516	239149	239590
UN08760	Rsa1.0_00198.1	568	222963	0	554	562	98 -	6	567	134425	134980
UN08761	Rsa1.0_00181.1	1028	114269	1.00E-124	248	255	97 -	3	257	103461	103715
UN08762	Rsa1.0_00126.1	1159	127534	0	596	600	99 +	560	1159	17416	18015
UN08763	Rsa1.0_02931.1	951	26654	0	517	539	95 -	10	541	5953	6486
UN08764	Rsa1.0_01172.1	890	51734	1.00E-128	236	237	99 +	1	237	20089	20325
UN08765	Rsa1.0_02825.1	868	27568	0	418	436	95 -	432	866	26073	26506
UN08766	Rsa1.0_00161.1	956	116891	1.00E-151	287	291	98 -	1	291	8114	8403
UN08767	Rsa1.0_00401.1	850	244410	0	403	405	99 -	446	850	243396	243800
UN08768	Rsa1.0_00121.1	774	278029	1.00E-122	232	235	98 -	1	235	86793	87027
UN08769	Rsa1.0_75692.1	805	303	1.00E-122	233	235	99 -	457	690	52	286
UN08770	Rsa1.0_14821.1	765	3044	0	344	345	99 -	1	345	1310	1654
UN08771	Rsa1.0_00447.1	1594	84051	1.00E-140	300	315	95 +	1	312	34487	34801
UN08772	Rsa1.0_01774.1	1563	39528	0	770	772	99 +	1	771	5756	6526
UN08773	Rsa1.0_01650.1	613	41589	0	538	579	92 -	32	607	27296	27871

UN08774	Rsa1.0.03126.1	1479	25192	1.00E-176	314	314	100 +	1166	1479	6646	6959
UN08775	Rsa1.0.02976.1	614	26315	1.00E-98	280	314	89 +	298	596	18887	19200
UN08776	Rsa1.0.01143.1	1006	52456	0	1005	1007	99 +	1	1006	19034	20039
UN08777	Rsa1.0.04325.1	1397	17885	1.00E-136	294	312	94 +	3	302	13731	14042
UN08778	Rsa1.0.15967.1	658	2337	1.00E-141	279	283	98 +	377	658	538	818
UN08779	Rsa1.0.00592.1	559	73788	0	517	563	91 -	6	558	21189	21733
UN08780	Rsa1.0.00518.1	2014	78360	0	837	978	85 +	423	1361	57799	58776
UN08781	Rsa1.0.00335.1	490	94371	0	401	407	98 +	82	488	50290	50696
UN08782	Rsa1.0.00197.1	878	109714	1.00E-139	273	280	97 +	7	286	76243	76522
UN08783	Rsa1.0.00196.1	1727	109960	0	535	537	99 -	1047	1583	59198	59734
UN08784	Rsa1.0.00344.1	526	191774	1.00E-140	255	256	99 -	2	257	136306	136561
UN08785	Rsa1.0.01552.1	650	43396	1.00E-112	262	279	93 +	372	645	12725	13003
UN08786	Rsa1.0.00414.1	476	202190	0	451	477	94 -	4	466	180872	181348
UN08787	Rsa1.0.00792.1	1120	64163	0	555	556	99 -	4	559	27760	28315
UN08788	Rsa1.0.00697.1	982	67913	1.00E-124	307	322	95 -	670	982	39690	40011
UN08789	Rsa1.0.02406.1	822	145276	1.00E-163	420	459	91 +	365	822	14630	15080
UN08790	Rsa1.0.05838.1	1357	12479	0	954	998	95 -	366	1357	8369	9365
UN08791	Rsa1.0.05146.1	1362	14678	1.00E-177	321	323	99 -	1	323	3072	3394
UN08792	Rsa1.0.00184.1	645	218748	1.00E-178	333	338	98 +	3	340	213946	214279
UN08793	Rsa1.0.52876.1	1224	431	0	386	386	100 +	428	813	40	425
UN08794	Rsa1.0.00396.1	1369	88242	0	385	403	95 -	112	514	19721	20114
UN08795	Rsa1.0.03781.1	731	20891	0	463	474	97 -	259	728	5091	5562
UN08796	Rsa1.0.01117.1	1291	53465	0	463	464	99 +	1	464	37870	38333
UN08797	Rsa1.0.17040.1	568	1944	1.00E-178	386	411	93 +	158	565	1207	1605
UN08798	Rsa1.0.00010.1	922	294827	0	454	475	95 -	274	747	247813	248287
UN08799	Rsa1.0.03246.1	777	24379	0	760	783	97 +	2	777	14687	15467
UN08800	Rsa1.0.08562.1	564	7193	3.00E-80	170	175	97 +	45	219	3782	3954
UN08801	Rsa1.0.00855.1	451	62047	0	432	449	96 -	1	449	42814	43250
UN08802	Rsa1.0.00180.1	1161	114581	0	393	406	96 +	756	1161	111408	111810
UN08803	Rsa1.0.00571.1	605	329018	1.00E-142	272	276	98 +	194	468	35755	36030
UN08804	Rsa1.0.05951.1	1048	12128	1.00E-160	310	318	97 -	13	324	5602	5919
UN08805	Rsa1.0.18790.1	1171	1533	0	986	995	99 -	1	994	528	1522
UN08806	Rsa1.0.00233.1	747	104918	0	714	744	95 +	1	739	31462	32201
UN08807	Rsa1.0.04741.1	702	16164	1.00E-106	219	226	96 +	475	698	8098	8323
UN08808	Rsa1.0.01297.1	772	49029	5.00E-92	289	328	88 +	138	465	30755	31082
UN08809	Rsa1.0.00190.1	667	318240	1.00E-149	282	287	98 +	44	330	28703	28989
UN08810	Rsa1.0.01539.1	585	43698	1.00E-123	230	232	99 -	354	585	5486	5717
UN08811	Rsa1.0.00307.1	1013	199003	9.00E-82	326	381	85 -	647	1001	87295	87662
UN08812	Rsa1.0.00890.1	731	323870	0	396	414	95 -	320	728	166555	166964

UN08813	Rsa1.0_04603.1	878	16682	1.00E-160	311	319	97 -	560	878	15427	15745
UN08814	Rsa1.0_03378.1	863	23322	0	369	377	97 -	27	402	21304	21680
UN08815	Rsa1.0_02413.1	1583	31628	0	393	417	94 +	250	666	6450	6853
UN08816	Rsa1.0_31664.1	618	722	1.00E-110	214	218	98 +	61	278	500	717
UN08817	Rsa1.0_02431.1	687	31504	1.00E-156	396	428	92 +	270	682	26607	27030
UN08818	Rsa1.0_73022.1	853	314	1.00E-123	236	240	98 -	227	466	75	314
UN08819	Rsa1.0_12161.1	665	5297	1.00E-98	201	206	97 +	442	645	4345	4550
UN08820	Rsa1.0_02194.1	688	34029	0	378	390	96 +	292	680	33393	33779
UN08821	Rsa1.0_00155.1	850	118465	0	382	390	97 -	1	388	96670	97053
UN08822	Rsa1.0_01319.1	993	48273	0	687	714	96 +	3	715	10899	11594
UN08823	Rsa1.0_00090.1	773	273859	0	499	510	97 -	3	512	148579	149088
UN08824	Rsa1.0_00167.1	600	116000	1.00E-109	229	237	96 -	365	600	90133	90369
UN08825	Rsa1.0_03401.1	1381	23191	3.00E-48	296	361	81 +	128	469	4703	5059
UN08826	Rsa1.0_03062.1	996	25678	0	448	450	99 +	326	775	6369	6818
UN08827	Rsa1.0_06521.1	1485	10856	0	1470	1485	98 -	1	1485	680	2164
UN08828	Rsa1.0_00522.1	532	78103	1.00E-153	435	485	89 -	2	477	60118	60582
UN08829	Rsa1.0_03964.1	717	19835	1.00E-114	210	210	100 +	2	211	13128	13337
UN08830	Rsa1.0_15118.1	798	2814	1.00E-144	281	288	97 +	88	375	934	1221
UN08831	Rsa1.0_00240.1	632	104175	0	524	527	99 -	100	625	52522	53048
UN08832	Rsa1.0_01980.1	612	36544	1.00E-122	334	370	90 +	255	612	32527	32891
UN08833	Rsa1.0_04318.1	1197	17947	1.00E-128	239	241	99 +	2	242	4048	4288
UN08834	Rsa1.0_00670.1	697	69371	3.00E-90	181	185	97 +	275	459	39326	39510
UN08835	Rsa1.0_00345.1	868	93226	1.00E-149	310	323	95 +	4	324	84267	84589
UN08836	Rsa1.0_01881.1	686	37721	3.00E-93	265	288	92 -	325	607	22834	23113
UN08837	Rsa1.0_00060.1	771	502678	0	335	335	100 +	433	767	500151	500485
UN08838	Rsa1.0_00273.1	1312	326186	1.00E-172	344	355	96 -	3	355	4768	5119
UN08839	Rsa1.0_01466.1	687	45161	0	634	681	93 -	7	687	38699	39353
UN08840	Rsa1.0_00632.1	598	183777	1.00E-108	267	291	91 -	318	595	149149	149438
UN08841	Rsa1.0_18647.1	846	1560	1.00E-140	326	345	94 -	499	842	591	932
UN08842	Rsa1.0_15148.1	579	2797	1.00E-150	296	304	97 -	276	579	1946	2247
UN08843	Rsa1.0_00332.1	683	94575	1.00E-92	182	185	98 +	144	328	61370	61554
UN08844	Rsa1.0_02945.1	1340	26548	0	1109	1116	99 +	225	1340	8447	9562
UN08845	Rsa1.0_00055.1	520	520193	1.00E-126	238	241	98 -	280	520	328674	328914
UN08846	#	#	#	#	#	#	#	#	#	#	#
UN08847	Rsa1.0_00044.1	1330	271658	1.00E-113	272	294	92 -	1	294	6694	6980
UN08848	Rsa1.0_07850.1	644	8423	1.00E-136	268	274	97 -	1	274	6410	6682
UN08849	Rsa1.0_01965.1	699	36698	0	682	697	97 +	3	699	3467	4155
UN08850	Rsa1.0_01923.1	451	37233	1.00E-121	221	221	100 +	1	221	27800	28020
UN08851	Rsa1.0_00042.1	1284	171507	1.00E-176	390	410	95 +	878	1282	159615	160020

UN08852	Rsa1.0.00163.1	1091	116847	0	402	408	98 -	1	405	62264	62671
UN08853	Rsa1.0.00817.1	886	62961	0	873	876	99 -	1	876	26779	27654
UN08854	Rsa1.0.01832.1	462	38581	1.00E-142	255	255	100 -	4	258	14445	14699
UN08855	Rsa1.0.00201.1	783	232851	0	460	487	94 -	3	486	140594	141080
UN08856	Rsa1.0.26382.1	530	894	1.00E-136	254	257	98 -	274	530	547	803
UN08857	Rsa1.0.02050.1	583	35570	0	570	576	98 -	1	576	30797	31367
UN08858	Rsa1.0.03964.1	701	19835	9.00E-72	196	215	91 +	1	205	13127	13337
UN08859	Rsa1.0.06402.1	827	11080	0	556	565	98 +	259	820	3431	3995
UN08860	Rsa1.0.01352.1	488	47443	4.00E-70	223	247	90 +	249	488	35006	35240
UN08861	Rsa1.0.01769.1	1000	39568	0	422	443	95 +	3	442	32131	32571
UN08862	Rsa1.0.00016.1	1103	831256	0	1093	1114	98 -	3	1101	537699	538810
UN08863	Rsa1.0.00807.1	536	63607	1.00E-139	258	259	99 -	278	536	40788	41045
UN08864	Rsa1.0.02975.1	866	26322	1.00E-129	255	261	97 +	235	493	4821	5081
UN08865	Rsa1.0.01016.1	609	181422	1.00E-149	288	295	97 -	66	360	44377	44671
UN08866	Rsa1.0.04111.1	1547	18991	0	559	579	96 +	135	705	11440	12017
UN08867	Rsa1.0.00196.1	961	109960	1.00E-123	303	323	93 +	633	951	72827	73141
UN08868	Rsa1.0.00077.1	740	145005	1.00E-89	184	188	97 +	452	639	71685	71871
UN08869	Rsa1.0.01026.1	675	171624	0	541	574	94 -	109	675	14047	14614
UN08870	Rsa1.0.02606.1	1005	29635	1.00E-131	264	273	96 +	40	312	5960	6226
UN08871	Rsa1.0.01568.1	679	43077	1.00E-174	336	345	97 -	335	679	21139	21483
UN08872	Rsa1.0.05745.1	781	12750	0	766	783	97 +	3	781	6801	7580
UN08873	Rsa1.0.01941.1	802	37069	5.00E-89	249	276	90 +	546	802	28851	29126
UN08874	Rsa1.0.00457.1	799	337301	3.00E-96	221	231	95 -	567	797	198587	198814
UN08875	Rsa1.0.00524.1	900	169613	1.00E-116	264	279	94 -	586	862	133346	133623
UN08876	Rsa1.0.00327.1	675	94892	6.00E-88	196	205	95 +	449	653	20149	20352
UN08877	Rsa1.0.04511.1	873	17032	0	391	392	99 +	482	873	4585	4975
UN08878	Rsa1.0.00065.1	724	454616	3.00E-99	184	184	100 +	325	508	446607	446790
UN08879	Rsa1.0.00192.1	805	278200	0	455	455	100 -	1	455	33911	34365
UN08880	Rsa1.0.02346.1	770	32337	1.00E-95	181	182	99 -	153	334	7207	7388
UN08881	Rsa1.0.05707.1	706	12872	0	685	713	96 +	1	706	407	1119
UN08882	Rsa1.0.04346.1	789	17813	0	542	552	98 +	1	552	12956	13502
UN08883	Rsa1.0.14881.1	1176	2995	0	454	469	96 +	707	1173	2323	2790
UN08884	Rsa1.0.04591.1	941	16717	1.00E-150	277	278	99 +	665	941	1	278
UN08885	Rsa1.0.00214.1	894	107508	0	397	404	98 +	44	447	75595	75993
UN08886	Rsa1.0.00056.1	935	332604	0	358	370	96 +	577	935	107099	107468
UN08887	Rsa1.0.10540.1	925	5811	0	542	552	98 +	2	553	2219	2769
UN08888	Rsa1.0.16229.1	536	2235	1.00E-109	201	201	100 -	2	202	130	330
UN08889	Rsa1.0.03990.1	320	19676	1.00E-120	234	238	98 +	1	238	8880	9116
UN08890	Rsa1.0.15163.1	758	2786	0	690	701	98 -	58	756	2091	2786

UN08891	Rsa1.0.00446.1	733	167829	0	409	426	96 -	32	456	129961	130381
UN08892	Rsa1.0.00006.1	842	396176	0	762	764	99 +	64	827	186848	187611
UN08893	Rsa1.0.06141.1	650	11644	0	612	654	93 +	1	650	6587	7225
UN08894	Rsa1.0.02157.1	947	149652	1.00E-114	233	238	97 -	473	710	133616	133851
UN08895	Rsa1.0.06071.1	474	11813	1.00E-168	344	355	96 +	120	474	2582	2932
UN08896	Rsa1.0.01081.1	620	499226	0	589	613	96 +	4	615	456338	456948
UN08897	Rsa1.0.00920.1	849	601703	0	456	465	98 +	385	849	439756	440216
UN08898	Rsa1.0.00385.1	578	89160	0	324	325	99 -	1	325	31104	31428
UN08899	Rsa1.0.00323.1	840	159650	0	393	413	95 +	432	840	148155	148558
UN08900	Rsa1.0.00013.1	850	292129	0	651	669	97 -	181	849	191168	191832
UN08901	Rsa1.0.02648.1	572	29073	4.00E-58	240	285	84 +	306	572	28376	28643
UN08902	Rsa1.0.00740.1	743	215972	0	715	744	96 +	1	743	35235	35977
UN08903	Rsa1.0.00875.1	1073	61371	0	729	750	97 -	165	905	1411	2157
UN08904	Rsa1.0.01026.1	705	171624	0	555	588	94 -	107	687	14033	14614
UN08905	Rsa1.0.00002.1	1744	601661	0	1040	1057	98 +	502	1557	289625	290680
UN08906	Rsa1.0.07863.1	583	8404	0	558	588	94 -	1	583	2635	3218
UN08907	Rsa1.0.00254.1	713	102600	1.00E-112	227	233	97 -	98	328	85303	85535
UN08908	Rsa1.0.00016.1	669	831256	0	666	668	99 +	2	669	505433	506098
UN08909	Rsa1.0.00793.1	383	64103	1.00E-113	217	219	99 -	165	383	59208	59425
UN08910	Rsa1.0.06541.1	702	10806	1.00E-169	313	317	98 -	386	702	10056	10372
UN08911	Rsa1.0.07617.1	880	9015	0	852	889	95 +	3	876	2174	3059
UN08912	Rsa1.0.00253.1	768	231292	0	737	769	95 -	2	768	196671	197431
UN08913	Rsa1.0.00985.1	741	161950	0	374	389	96 -	3	388	32823	33211
UN08914	Rsa1.0.00351.1	693	413096	1.00E-177	404	430	93 -	274	692	244400	244827
UN08915	Rsa1.0.09520.1	1336	6318	0	541	560	96 -	20	578	3074	3633
UN08916	Rsa1.0.00678.1	786	193163	1.00E-150	277	278	99 +	510	786	167678	167955
UN08917	Rsa1.0.00502.1	557	204180	0	460	493	93 -	67	557	63890	64372
UN08918	Rsa1.0.03552.1	1312	22151	2.33E-156	341	366	93 -	90	454	12808	13161
UN08919	Rsa1.0.00063.1	1104	156150	0	523	550	95 +	551	1100	142261	142810
UN08920	Rsa1.0.02452.1	850	31280	0	417	432	96 +	420	848	13666	14097
UN08921	Rsa1.0.00253.1	688	231292	0	639	677	94 -	7	681	196759	197423
UN08922	Rsa1.0.03982.1	763	19723	0	551	577	95 -	185	760	17040	17616
UN08923	Rsa1.0.00010.1	1030	294827	0	460	494	93 +	1	488	116518	116996
UN08924	Rsa1.0.02130.1	887	34755	0	434	437	99 +	451	887	14820	15253
UN08925	Rsa1.0.00417.1	830	395068	0	335	338	99 -	493	830	286876	287213
UN08926	Rsa1.0.04504.1	804	17069	1.00E-126	273	292	93 -	4	277	2573	2864
UN08927	Rsa1.0.00019.1	766	301669	1.00E-113	390	455	85 +	4	449	293078	293498
UN08928	Rsa1.0.02662.1	1246	28956	0	1106	1184	93 +	60	1231	8640	9822
UN08929	Rsa1.0.00082.1	731	237584	0	343	349	98 -	32	377	231097	231445

UN08930	Rsa1.0.08397.1	819	7427	1.00E-89	179	182	98 +	264	442	5025	5206
UN08931	Rsa1.0.02757.1	636	28187	0	476	485	98 +	154	636	16196	16680
UN08932	Rsa1.0.02114.1	1076	34873	0	504	507	99 +	570	1076	16049	16555
UN08933	Rsa1.0.01591.1	711	42718	0	588	607	96 +	106	709	14788	15392
UN08934	Rsa1.0.01106.1	947	53916	0	552	565	97 +	383	947	12267	12828
UN08935	Rsa1.0.00522.1	1122	78103	5.00E-99	199	204	97 +	306	509	35226	35429
UN08936	Rsa1.0.00098.1	741	349239	0	416	420	99 -	322	741	220987	221405
UN08937	Rsa1.0.00515.1	725	78417	0	356	357	99 -	369	725	43479	43835
UN08938	Rsa1.0.01482.1	782	44855	0	706	722	97 -	3	721	12165	12886
UN08939	Rsa1.0.00835.1	882	278058	0	666	682	97 -	203	881	261815	262495
UN08940	Rsa1.0.00101.1	907	267193	0	451	452	99 +	456	907	44122	44573
UN08941	Rsa1.0.00017.1	1009	752458	0	459	462	99 +	1	460	466023	466483
UN08942	Rsa1.0.00119.1	1342	467509	1.00E-164	328	338	97 -	1	337	302973	303310
UN08943	Rsa1.0.00002.1	1781	601661	0	1283	1346	95 +	247	1590	289356	290680
UN08944	Rsa1.0.00120.1	832	277288	1.00E-174	348	361	96 -	458	818	120631	120991
UN08945	Rsa1.0.05811.1	661	12572	0	479	522	91 -	3	523	11594	12091
UN08946	Rsa1.0.00082.1	836	237584	0	488	490	99 -	1	490	217985	218474
UN08947	Rsa1.0.01595.1	787	175383	1.00E-101	212	218	97 +	1	218	4059	4273
UN08948	Rsa1.0.00163.1	1323	116847	0	575	587	97 +	738	1321	73974	74557
UN08949	Rsa1.0.05804.1	683	12586	0	634	666	95 +	2	667	9611	10276
UN08950	Rsa1.0.02158.1	700	154841	0	336	341	98 +	331	671	122311	122651
UN08951	Rsa1.0.06604.1	850	10681	0	550	553	99 +	1	552	5922	6474
UN08952	Rsa1.0.07591.1	871	9060	0	817	849	96 -	1	841	1287	2132
UN08953	Rsa1.0.00144.1	758	120708	0	361	366	98 +	393	758	115794	116159
UN08954	Rsa1.0.03722.1	637	21184	1.00E-149	314	329	95 -	34	359	20756	21084
UN08955	Rsa1.0.00662.1	700	192183	1.00E-104	251	268	93 +	7	267	7993	8260
UN08956	Rsa1.0.03669.1	828	147114	0	384	402	95 -	3	403	17855	18248
UN08957	Rsa1.0.01737.1	733	40101	1.00E-106	219	227	96 +	479	705	17336	17562
UN08958	Rsa1.0.00978.1	826	57739	0	659	678	97 -	1	678	26879	27556
UN08959	Rsa1.0.01943.1	1123	37042	0	327	327	100 -	796	1122	4779	5105
UN08960	Rsa1.0.02198.1	759	33989	1.00E-144	291	299	97 +	4	296	13910	14207
UN08961	Rsa1.0.03569.1	607	22041	1.00E-128	232	232	100 +	374	605	10002	10233
UN08962	Rsa1.0.01675.1	1542	41155	1.00E-164	303	306	99 -	279	584	40809	41114
UN08963	Rsa1.0.00059.1	934	159650	1.00E-167	386	415	93 +	518	932	2240	2644
UN08964	Rsa1.0.00239.1	1191	104332	0	496	530	93 -	652	1172	67906	68429
UN08965	Rsa1.0.00807.1	770	63607	0	349	351	99 -	1	351	48916	49266
UN08966	Rsa1.0.01029.1	1324	256254	0	442	444	99 -	1	444	2337	2779
UN08967	Rsa1.0.00331.1	582	176754	4.00E-98	206	214	96 -	192	405	159068	159281
UN08968	Rsa1.0.01230.1	801	50221	0	791	793	99 -	7	799	16959	17750

UN08969	Rsa1.0.00142.1	706	121474	1.00E-132	258	264	97 +	308	571	64267	64530
UN08970	Rsa1.0.01016.1	739	181422	0	484	516	93 +	226	739	171865	172361
UN08971	Rsa1.0.02249.1	909	33412	0	908	909	99 +	1	909	16786	17694
UN08972	Rsa1.0.03152.1	634	24974	1.00E-156	293	296	98 +	1	296	3422	3716
UN08973	Rsa1.0.07921.1	1199	8259	0	452	459	98 -	7	465	2634	3092
UN08974	Rsa1.0.01666.1	840	173972	1.00E-163	340	354	96 +	90	442	6729	7080
UN08975	Rsa1.0.13538.1	1392	4746	1.00E-78	150	150	100 -	222	371	1	150
UN08976	Rsa1.0.00067.1	1322	415055	0	739	749	98 -	1	745	7421	8168
UN08977	Rsa1.0.05097.1	660	14864	1.00E-119	270	288	93 +	1	285	1264	1542
UN08978	Rsa1.0.03435.1	682	22958	1.00E-153	296	303	97 +	220	522	21975	22277
UN08979	Rsa1.0.00048.1	890	167185	1.00E-142	274	280	97 +	480	759	8087	8366
UN08980	Rsa1.0.00148.1	1094	120234	0	657	663	99 +	433	1094	8606	9268
UN08981	Rsa1.0.03652.1	405	21565	0	398	404	98 -	1	403	28	429
UN08982	Rsa1.0.03356.1	1070	23487	1.00E-177	332	337	98 +	2	335	20116	20452
UN08983	Rsa1.0.00107.1	734	431659	0	731	732	99 +	1	732	425791	426522
UN08984	Rsa1.0.05078.1	696	14912	0	386	401	96 -	273	673	7480	7880
UN08985	Rsa1.0.00101.1	973	267193	1.00E-120	266	281	94 +	7	287	131428	131700
UN08986	Rsa1.0.04520.1	471	16995	1.00E-103	207	210	98 +	3	212	10798	11005
UN08987	Rsa1.0.04234.1	854	18378	0	594	603	98 +	1	603	7512	8114
UN08988	Rsa1.0.00711.1	739	67223	0	478	521	91 +	225	739	15004	15517
UN08989	Rsa1.0.00154.1	588	189461	1.00E-131	271	283	95 -	314	588	79500	79782
UN08990	Rsa1.0.00387.1	1118	495407	0	849	888	95 +	198	1085	409522	410403
UN08991	Rsa1.0.08498.1	634	7270	0	423	445	95 -	198	634	5572	6016
UN08992	Rsa1.0.00453.1	554	83031	1.00E-128	260	269	96 +	3	271	534	802
UN08993	Rsa1.0.01149.1	1330	160459	1.00E-111	228	235	97 +	786	1020	131080	131311
UN08994	Rsa1.0.02903.1	569	26901	1.00E-103	266	288	92 +	267	549	17844	18120
UN08995	Rsa1.0.00389.1	922	88795	1.00E-114	210	210	100 +	713	922	68854	69063
UN08996	Rsa1.0.04871.1	862	15662	0	838	852	98 -	3	848	2842	3692
UN08997	Rsa1.0.00416.1	1038	86772	0	488	494	98 +	545	1038	41164	41653
UN08998	Rsa1.0.00642.1	1108	201230	1.00E-172	361	379	95 +	733	1108	161688	162055
UN08999	Rsa1.0.09895.1	716	6101	0	703	722	97 -	3	716	4875	5596
UN09000	Rsa1.0.00192.1	654	278200	0	339	339	100 +	3	341	16376	16714
UN09001	Rsa1.0.05013.1	1370	15131	0	940	963	97 +	415	1370	1	963
UN09002	Rsa1.0.15782.1	991	2423	0	762	764	99 -	1	763	861	1623
UN09003	Rsa1.0.02274.1	2284	33109	0	522	556	93 +	1732	2284	277	814
UN09004	Rsa1.0.00740.1	577	215972	1.00E-148	266	266	100 +	310	575	1704	1969
UN09005	Rsa1.0.00006.1	729	396176	1.00E-121	284	302	94 +	1	295	9150	9447
UN09006	Rsa1.0.01845.1	1058	38415	1.00E-110	214	218	98 +	527	744	36772	36989
UN09007	Rsa1.0.09470.1	986	6345	1.00E-156	304	311	97 -	123	432	2894	3204

UN09008	Rsa1.0.01228.1	458	50238	1.00E-132	281	293	95 -	2	294	733	1021
UN09009	Rsa1.0.00273.1	823	326186	0	819	821	99 -	2	821	296578	297398
UN09010	Rsa1.0.00033.1	545	515811	1.00E-104	285	313	91 -	2	312	33139	33446
UN09011	Rsa1.0.01626.1	1022	41989	0	470	488	96 -	534	1021	12327	12814
UN09012	Rsa1.0.01740.1	971	39986	1.00E-141	280	288	97 +	582	866	27598	27885
UN09013	Rsa1.0.00069.1	1002	403561	1.00E-164	318	326	97 -	1	326	135862	136187
UN09014	Rsa1.0.01926.1	1055	37206	0	597	613	97 -	361	973	13122	13734
UN09015	Rsa1.0.03738.1	856	21071	0	461	486	94 -	29	502	10785	11267
UN09016	Rsa1.0.00628.1	647	214360	1.00E-149	334	350	95 +	7	353	34412	34758
UN09017	Rsa1.0.03107.1	834	25349	1.00E-159	358	378	94 -	324	699	18569	18942
UN09018	Rsa1.0.03958.1	625	19868	1.00E-119	336	373	90 -	6	367	16483	16844
UN09019	Rsa1.0.03477.1	923	22635	1.00E-176	327	331	98 +	1	331	4856	5183
UN09020	Rsa1.0.02269.1	878	33168	0	325	326	99 -	2	327	3021	3346
UN09021	Rsa1.0.01319.1	969	48273	0	639	696	91 -	283	968	10927	11594
UN09022	Rsa1.0.01591.1	714	42718	0	595	615	96 -	32	645	14800	15413
UN09023	Rsa1.0.01002.1	1320	57063	0	1311	1319	99 +	1	1318	17461	18779
UN09024	Rsa1.0.03022.1	1143	25968	0	517	536	96 -	610	1142	1571	2106
UN09025	Rsa1.0.01084.1	967	54605	0	404	405	99 -	561	965	44683	45087
UN09026	Rsa1.0.12520.1	892	5205	1.00E-166	361	384	94 +	194	577	1	374
UN09027	Rsa1.0.01611.1	870	42269	0	866	867	99 +	3	869	3996	4862
UN09028	Rsa1.0.00165.1	1054	116466	1.00E-157	307	314	97 -	3	315	7613	7926
UN09029	Rsa1.0.02482.1	952	31000	0	597	627	95 -	1	624	26970	27572
UN09030	Rsa1.0.14791.1	608	3064	1.00E-152	282	285	98 +	296	580	2779	3063
UN09031	Rsa1.0.00228.1	463	105511	1.00E-141	347	375	92 +	28	397	13172	13545
UN09032	Rsa1.0.00549.1	1341	76473	1.00E-132	251	255	98 -	132	386	9511	9765
UN09033	Rsa1.0.01099.1	894	158481	0	457	462	98 -	1	460	153098	153559
UN09034	Rsa1.0.16218.1	898	2240	1.00E-126	258	265	97 +	630	892	1645	1908
UN09035	Rsa1.0.00369.1	843	266462	1.00E-111	217	221	98 +	335	555	20557	20777
UN09036	Rsa1.0.01390.1	617	46695	1.00E-139	290	301	96 +	104	404	5172	5469
UN09037	Rsa1.0.00197.1	689	109714	1.00E-160	309	315	98 -	91	405	78615	78928
UN09038	Rsa1.0.00571.1	932	329018	0	482	496	97 -	436	931	48784	49277
UN09039	Rsa1.0.00157.1	859	245832	2.00E-94	182	184	98 -	421	604	162373	162556
UN09040	Rsa1.0.00191.1	649	316976	1.00E-178	425	459	92 +	163	604	140127	140583
UN09041	Rsa1.0.03376.1	1290	23326	1.00E-166	436	476	91 -	828	1290	18752	19224
UN09042	Rsa1.0.00896.1	844	60509	0	697	697	100 +	1	697	38747	39443
UN09043	Rsa1.0.06083.1	1384	11780	0	332	334	99 +	2	334	7849	8182
UN09044	Rsa1.0.43457.1	886	517	0	369	373	98 -	165	536	145	517
UN09045	Rsa1.0.00051.1	1047	258225	0	984	1077	91 -	1	1045	113688	114741
UN09046	Rsa1.0.06563.1	577	10765	1.00E-73	165	172	95 +	361	532	863	1032

UN09047	Rsa1.0.00603.1	685	73299	0	417	431	96 -	49	478	32629	33057
UN09048	Rsa1.0.00420.1	638	86496	0	349	353	98 -	286	638	36503	36853
UN09049	Rsa1.0.03722.1	816	21184	1.00E-148	314	329	95 +	474	799	20756	21084
UN09050	Rsa1.0.08933.1	648	6772	1.00E-108	218	223	97 -	6	228	6266	6487
UN09051	Rsa1.0.00009.1	435	232558	1.00E-128	293	310	94 -	126	435	185030	185329
UN09052	Rsa1.0.14302.1	820	3558	0	488	488	100 +	333	820	1424	1911
UN09053	Rsa1.0.01301.1	1389	169072	0	496	498	99 +	890	1387	13992	14489
UN09054	Rsa1.0.00899.1	1050	60404	0	474	496	95 -	429	921	56656	57151
UN09055	Rsa1.0.00438.1	740	84861	1.00E-151	416	458	90 -	5	451	76921	77368
UN09056	Rsa1.0.04937.1	1420	15401	0	625	632	98 +	791	1420	12077	12708
UN09057	Rsa1.0.00690.1	616	140527	1.00E-179	321	322	99 -	293	614	34106	34427
UN09058	Rsa1.0.00585.1	870	74164	0	360	367	98 +	504	870	59736	60102
UN09059	Rsa1.0.00265.1	653	220635	0	384	387	99 +	3	389	24197	24583
UN09060	Rsa1.0.00329.1	783	222544	1.00E-120	293	316	92 -	461	769	178090	178397
UN09061	Rsa1.0.02975.1	592	26322	1.00E-140	274	280	97 +	313	592	23332	23609
UN09062	Rsa1.0.00644.1	860	136881	1.00E-148	309	321	96 +	539	858	31373	31686
UN09063	Rsa1.0.03163.1	986	24894	0	473	474	99 -	513	986	4477	4950
UN09064	Rsa1.0.01701.1	717	162121	0	393	393	100 -	1	393	13837	14229
UN09065	Rsa1.0.01415.1	722	46263	1.00E-130	273	286	95 -	443	721	17573	17858
UN09066	Rsa1.0.01481.1	773	184562	1.00E-162	301	305	98 -	467	771	39106	39410
UN09067	Rsa1.0.03503.1	796	22445	1.00E-163	315	320	98 +	3	320	9930	10249
UN09068	Rsa1.0.00568.1	1396	75219	0	445	445	100 -	948	1392	3698	4142
UN09069	Rsa1.0.01373.1	770	47052	0	410	422	97 +	318	736	21559	21980
UN09070	Rsa1.0.00015.1	1167	561803	0	417	434	96 -	739	1167	362103	362533
UN09071	Rsa1.0.00152.1	1414	257730	0	604	609	99 +	808	1414	118021	118629
UN09072	Rsa1.0.13798.1	807	4320	1.00E-126	242	246	98 +	337	582	3764	4009
UN09073	Rsa1.0.03074.1	970	25568	1.00E-166	335	345	97 +	624	968	21332	21674
UN09074	Rsa1.0.00069.1	955	403561	0	941	953	98 +	1	953	231058	232007
UN09075	Rsa1.0.03821.1	1140	20643	1.00E-110	275	294	93 -	849	1138	12652	12940
UN09076	Rsa1.0.00173.1	812	288743	1.00E-153	274	274	100 +	128	401	41089	41362
UN09077	Rsa1.0.18035.1	1284	1685	0	626	647	96 +	3	646	450	1094
UN09078	Rsa1.0.05271.1	960	14306	0	333	334	99 +	558	890	10323	10656
UN09079	Rsa1.0.13498.1	849	4764	1.00E-175	320	322	99 +	3	322	555	876
UN09080	Rsa1.0.06509.1	937	10873	2.33E-156	263	263	100 +	1	263	7125	7387
UN09081	Rsa1.0.00381.1	867	89718	0	530	547	96 +	323	867	79836	80382
UN09082	Rsa1.0.00369.1	866	266462	0	591	593	99 -	274	866	258502	259094
UN09083	Rsa1.0.01315.1	673	48361	0	324	324	100 -	350	673	11564	11887
UN09084	Rsa1.0.00748.1	773	65983	0	442	464	95 -	25	485	63996	64453
UN09085	Rsa1.0.00221.1	837	106972	1.00E-148	282	287	98 +	550	836	52627	52913

UN09086	Rsa1.0_00736.1	1025	66455	0	857	911	94 +	119	1023	50684	51591
UN09087	Rsa1.0_04123.1	782	18947	0	759	768	98 -	1	768	11871	12637
UN09088	Rsa1.0_00205.1	1134	193401	0	609	617	98 -	520	1133	181776	182392
UN09089	Rsa1.0_02431.1	687	31504	0	655	687	95 -	3	683	12950	13631
UN09090	Rsa1.0_07305.1	1614	9578	0	376	381	98 -	4	381	8667	9045
UN09091	Rsa1.0_00434.1	1495	85171	0	701	701	100 -	129	829	30393	31093
UN09092	Rsa1.0_01632.1	1123	181224	1.00E-123	311	339	91 -	3	335	7459	7791
UN09093	Rsa1.0_02017.1	1344	35999	1.00E-132	269	280	96 +	761	1040	26577	26847
UN09094	Rsa1.0_00850.1	548	62193	0	415	430	96 +	2	430	5918	6346
UN09095	Rsa1.0_04504.1	767	17069	1.00E-154	276	276	100 +	492	767	2573	2848
UN09096	Rsa1.0_00663.1	359	164969	1.00E-143	324	338	95 +	4	337	120751	121082
UN09097	Rsa1.0_00087.1	662	761073	1.00E-128	302	323	93 -	14	323	217289	217610
UN09098	Rsa1.0_02282.1	979	163951	1.00E-129	316	339	93 +	641	979	154467	154802
UN09099	Rsa1.0_03422.1	678	23076	0	443	457	96 +	233	678	9861	10317
UN09100	Rsa1.0_01827.1	696	143321	0	677	704	96 +	10	695	139171	139873
UN09101	Rsa1.0_15780.1	1389	2424	0	475	477	99 +	914	1389	1216	1691
UN09102	Rsa1.0_00803.1	1196	144228	0	489	494	98 +	667	1158	37985	38478
UN09103	Rsa1.0_04218.1	600	18423	1.00E-164	410	449	91 -	155	597	15845	16280
UN09104	Rsa1.0_00038.1	618	314568	1.00E-163	292	292	100 +	327	618	141728	142019
UN09105	Rsa1.0_00677.1	492	69159	1.00E-140	311	333	93 -	173	492	20365	20693
UN09106	Rsa1.0_04689.1	1628	16376	0	969	1006	96 +	623	1628	475	1469
UN09107	Rsa1.0_07724.1	808	8708	0	381	390	97 +	32	421	6618	7007
UN09108	Rsa1.0_02449.1	1047	31292	9.00E-79	189	198	95 +	1	196	13263	13459
UN09109	Rsa1.0_01190.1	646	194501	1.00E-167	356	372	95 -	274	642	157947	158316
UN09110	Rsa1.0_01824.1	838	38733	1.00E-122	228	230	99 +	375	604	8413	8642
UN09111	Rsa1.0_02865.1	762	27133	0	451	484	93 +	290	761	22643	23116
UN09112	Rsa1.0_01778.1	1120	39509	1.00E-74	149	151	98 +	456	606	16810	16960
UN09113	Rsa1.0_00055.1	1124	520193	1.00E-127	259	268	96 -	467	734	207861	208128
UN09114	Rsa1.0_00907.1	1023	60062	0	515	539	95 -	4	534	2211	2749
UN09115	Rsa1.0_08007.1	1399	8087	1.00E-139	259	260	99 +	1138	1397	2203	2461
UN09116	Rsa1.0_00294.1	685	144860	1.00E-130	299	317	94 -	298	605	54782	55096
UN09117	Rsa1.0_00049.1	998	167018	0	642	656	97 -	343	994	137812	138467
UN09118	Rsa1.0_03563.1	1277	22070	0	632	635	99 +	3	637	15461	16095
UN09119	Rsa1.0_00123.1	907	325650	0	463	480	96 -	430	906	109845	110321
UN09120	Rsa1.0_29830.1	1041	770	1.00E-126	289	309	93 +	625	928	114	422
UN09121	Rsa1.0_00132.1	648	124299	1.00E-143	298	310	96 +	338	646	99696	100001
UN09122	Rsa1.0_00207.1	820	248736	0	335	335	100 +	478	812	55294	55628
UN09123	Rsa1.0_00533.1	695	77375	0	602	642	93 +	3	644	49299	49937
UN09124	Rsa1.0_08151.1	949	7830	0	920	951	96 -	3	949	1053	2000

UN09125	Rsa1.0_00903.1	1066	60228	0	565	575	98 +	495	1066	38141	38714
UN09126	Rsa1.0_08221.1	1532	7700	0	1234	1234	100 +	291	1524	5416	6649
UN09127	Rsa1.0_00104.1	520	368722	1.00E-138	313	333	93 -	183	513	225000	225328
UN09128	Rsa1.0_22492.1	956	1117	1.00E-114	213	214	99 +	23	236	685	898
UN09129	Rsa1.0_02099.1	707	35030	1.00E-166	297	297	100 +	10	306	17742	18038
UN09130	Rsa1.0_02064.1	1021	35476	1.00E-138	339	363	93 -	1	351	9518	9879
UN09131	Rsa1.0_01856.1	555	38181	0	399	415	96 +	141	555	12953	13366
UN09132	Rsa1.0_00333.1	1043	94500	0	896	901	99 -	143	1043	44005	44905
UN09133	Rsa1.0_03552.1	878	22151	4.00E-93	202	210	96 +	3	211	13461	13670
UN09134	Rsa1.0_00381.1	1471	89718	1.00E-121	249	258	96 +	3	260	39724	39981
UN09135	Rsa1.0_48558.1	864	466	0	353	355	99 +	52	406	1	355
UN09136	Rsa1.0_00283.1	1134	183797	1.00E-161	351	369	95 +	3	366	10947	11313
UN09137	Rsa1.0_00482.1	2132	81162	0	1366	1371	99 +	1	1371	3813	5180
UN09138	Rsa1.0_00552.1	1100	206757	0	588	593	99 -	506	1098	68022	68611
UN09139	Rsa1.0_01941.1	1114	37069	1.00E-129	240	242	99 -	164	405	32330	32571
UN09140	Rsa1.0_00706.1	1197	291570	1.00E-167	304	306	99 -	3	308	231041	231346
UN09141	Rsa1.0_15024.1	1020	2885	1.00E-141	328	346	94 -	667	1007	2252	2592
UN09142	Rsa1.0_00007.1	1299	239325	1.00E-154	321	333	96 -	965	1297	14225	14555
UN09143	Rsa1.0_00146.1	996	149343	0	918	951	96 -	14	961	67449	68388
UN09144	Rsa1.0_02287.1	1237	32986	1.00E-168	336	348	96 +	278	625	7095	7442
UN09145	Rsa1.0_01696.1	1029	301850	2.00E-98	219	229	95 +	780	1005	32637	32864
UN09146	Rsa1.0_00369.1	1036	266462	1.00E-136	382	424	90 +	1	410	146164	146575
UN09147	Rsa1.0_02139.1	1134	34686	0	534	534	100 -	601	1134	24881	25414
UN09148	Rsa1.0_14744.1	1620	3111	0	489	506	96 -	303	808	724	1229
UN09149	Rsa1.0_03447.1	825	22857	1.00E-141	255	255	100 -	571	825	19460	19714
UN09150	Rsa1.0_07472.1	1222	9306	0	446	447	99 -	1	447	6661	7107
UN09151	Rsa1.0_02213.1	1052	33824	4.00E-53	107	107	100 -	946	1052	33603	33709
UN09152	Rsa1.0_03218.1	1679	24539	6.00E-78	159	161	98 -	3	163	9502	9661
UN09153	Rsa1.0_24098.1	924	1007	1.00E-114	280	305	91 -	597	887	643	947
UN09154	Rsa1.0_01786.1	956	133324	1.00E-126	242	246	98 +	522	767	101482	101727
UN09155	Rsa1.0_00131.1	1123	432233	1.00E-169	393	423	92 +	539	961	34875	35288
UN09156	Rsa1.0_15591.1	985	2530	0	587	619	94 +	383	985	1224	1838
UN09157	Rsa1.0_00089.1	562	406142	0	548	564	97 -	1	560	80693	81252
UN09158	Rsa1.0_02858.1	985	27246	1.00E-113	357	395	90 -	3	380	1699	2086
UN09159	Rsa1.0_00028.1	1063	293984	1.00E-147	268	269	99 +	1	269	263729	263997
UN09160	Rsa1.0_21236.1	1228	1222	0	471	476	98 -	752	1227	605	1080
UN09161	Rsa1.0_00548.1	1069	76518	6.00E-80	214	234	91 -	16	249	62227	62457
UN09162	Rsa1.0_00894.1	1104	269700	1.00E-110	300	326	92 -	718	1039	128038	128357
UN09163	Rsa1.0_00163.1	1061	116847	1.00E-160	368	393	93 +	4	390	25822	26212

UN09164	Rsa1.0_00712.1	1722	67217	0	575	597	96 +	2	597	16542	17138
UN09165	Rsa1.0_14737.1	874	3115	1.00E-154	310	321	96 +	256	576	2055	2375
UN09166	Rsa1.0_04384.1	1301	17629	1.00E-172	333	342	97 +	415	756	3729	4070
UN09167	Rsa1.0_02146.1	880	34625	0	747	771	96 +	112	879	17169	17931
UN09168	Rsa1.0_00561.1	1238	75653	0	844	849	99 -	390	1236	4205	5053
UN09169	Rsa1.0_00757.1	1621	65559	1.00E-108	199	199	100 +	1	199	12480	12678
UN09170	Rsa1.0_00167.1	934	116000	5.00E-80	374	449	83 +	125	573	28365	28795
UN09171	Rsa1.0_01214.1	1037	50599	0	595	623	95 -	3	625	49762	50384
UN09172	Rsa1.0_03940.1	1291	19962	0	931	938	99 +	359	1291	11912	12849
UN09173	Rsa1.0_00353.1	1035	92242	1.00E-104	237	248	95 -	789	1035	55684	55928
UN09174	Rsa1.0_01687.1	1014	40979	0	787	841	93 -	2	829	1551	2390
UN09175	Rsa1.0_00116.1	1052	365886	1.00E-130	252	256	98 +	4	258	239004	239259
UN09176	Rsa1.0_00066.1	1024	152418	1.00E-145	268	269	99 +	755	1022	60921	61189
UN09177	Rsa1.0_03860.1	833	20407	0	479	507	94 +	8	509	15820	16316
UN09178	Rsa1.0_02068.1	1144	35432	1.00E-59	121	122	99 -	559	680	3872	3993
UN09179	Rsa1.0_02048.1	741	35605	0	473	474	99 -	191	664	24818	25291
UN09180	Rsa1.0_03380.1	1208	23320	1.00E-166	319	326	97 -	883	1208	4293	4615
UN09181	Rsa1.0_01666.1	1237	173972	1.00E-115	249	259	96 +	219	477	23919	24175
UN09182	Rsa1.0_00020.1	1361	283099	1.00E-132	291	309	94 +	3	303	90045	90353
UN09183	Rsa1.0_00797.1	1054	63959	0	372	376	98 +	186	561	10750	11125
UN09184	Rsa1.0_21842.1	1268	1169	1.00E-135	244	244	100 -	1	244	480	723
UN09185	Rsa1.0_00131.1	1179	432233	0	392	396	98 -	510	905	194264	194659
UN09186	Rsa1.0_00609.1	1320	72785	0	445	450	98 -	129	578	70202	70651
UN09187	Rsa1.0_39035.1	893	576	1.00E-121	257	268	95 +	595	862	316	576
UN09188	Rsa1.0_07256.1	927	9655	0	471	477	98 +	2	478	4824	5300
UN09189	Rsa1.0_07775.1	860	8594	0	347	349	99 -	1	348	614	962
UN09190	Rsa1.0_03352.1	1487	23506	1.00E-128	276	286	96 +	1201	1485	4054	4337
UN09191	Rsa1.0_02009.1	905	36100	0	421	438	96 -	140	577	35107	35544
UN09192	Rsa1.0_00133.1	1085	123768	1.00E-179	318	318	100 -	1	318	29742	30059
UN09193	Rsa1.0_14298.1	947	3561	1.00E-96	186	188	98 +	618	805	3278	3465
UN09194	Rsa1.0_00226.1	1287	105884	0	602	622	96 -	618	1238	63959	64580
UN09195	Rsa1.0_00645.1	1507	189716	1.00E-176	322	325	99 -	528	852	150795	151119
UN09196	Rsa1.0_02058.1	1295	35532	0	452	463	97 -	4	466	13428	13890
UN09197	Rsa1.0_00497.1	460	79830	1.00E-111	238	248	95 +	1	247	43611	43858
UN09198	Rsa1.0_01130.1	1220	52929	0	371	385	96 -	1	379	44531	44915
UN09199	Rsa1.0_00620.1	1379	71985	0	491	506	97 +	728	1233	55327	55832
UN09200	Rsa1.0_03937.1	1247	19969	1.00E-119	280	298	93 +	5	291	3005	3301
UN09201	Rsa1.0_01282.1	970	49304	1.00E-148	311	321	96 -	654	970	28012	28331
UN09202	Rsa1.0_00020.1	750	283099	0	401	403	99 -	348	750	60863	61265

UN09203	Rsa1.0.01170.1	834	161131	1.00E-171	332	341	97 +	494	834	129391	129727
UN09204	Rsa1.0.01058.1	832	55430	0	804	845	95 -	1	828	34187	35029
UN09205	Rsa1.0.00034.1	1100	260119	1.00E-149	340	358	94 -	59	413	841	1189
UN09206	Rsa1.0.00002.1	951	601661	0	566	597	94 +	254	829	289356	289949
UN09207	Rsa1.0.01713.1	1112	40564	0	1108	1108	100 +	3	1110	26203	27310
UN09208	Rsa1.0.01420.1	2291	46210	0	1083	1086	99 -	1	1086	8650	9735
UN09209	Rsa1.0.36749.1	922	613	0	340	340	100 -	352	691	186	525
UN09210	Rsa1.0.00269.1	1028	341668	0	456	470	97 +	21	486	323926	324393
UN09211	Rsa1.0.00002.1	1940	601661	0	794	824	96 +	821	1626	289098	289921
UN09212	Rsa1.0.01564.1	877	43169	2.33E-156	275	279	98 -	597	875	36245	36523
UN09213	Rsa1.0.11573.1	1576	5468	1.00E-167	326	335	97 -	376	710	5108	5442
UN09214	Rsa1.0.15481.1	1058	2582	0	631	642	98 +	1	631	1050	1691
UN09215	Rsa1.0.05496.1	929	13533	0	626	634	98 +	302	929	453	1086
UN09216	Rsa1.0.00093.1	1407	214962	1.00E-143	354	383	92 -	3	380	81375	81740
UN09217	Rsa1.0.00644.1	1138	136881	0	387	390	99 +	749	1138	52173	52561
UN09218	Rsa1.0.01947.1	687	36977	0	387	392	98 -	296	687	23177	23567
UN09219	Rsa1.0.05624.1	705	13140	1.00E-163	397	433	91 -	268	699	3783	4199
UN09220	Rsa1.0.00894.1	1163	269700	1.00E-101	215	222	96 -	856	1075	128137	128357
UN09221	Rsa1.0.00425.1	942	147080	0	926	943	98 +	1	942	897	1829
UN09222	Rsa1.0.01537.1	691	187285	1.00E-160	364	387	94 +	249	634	839	1220
UN09223	Rsa1.0.00341.1	931	249309	3.00E-75	156	160	97 -	356	515	115284	115443
UN09224	Rsa1.0.00049.1	973	167018	0	651	656	99 +	1	655	137814	138468
UN09225	Rsa1.0.26642.1	949	883	0	477	486	98 -	284	769	294	779
UN09226	Rsa1.0.00728.1	1085	66704	1.00E-171	327	333	98 -	753	1085	2998	3329
UN09227	Rsa1.0.01082.1	504	54640	0	477	497	95 -	8	502	17718	18212
UN09228	Rsa1.0.00204.1	721	109056	1.00E-171	439	478	91 -	1	473	17525	17990
UN09229	Rsa1.0.03560.1	522	22092	1.00E-109	212	216	98 +	27	242	3019	3234
UN09230	Rsa1.0.00502.1	705	204180	0	616	650	94 -	58	705	63729	64372
UN09231	Rsa1.0.00092.1	1059	659932	0	546	578	94 -	416	988	141118	141690
UN09232	Rsa1.0.00009.1	1000	232558	0	413	416	99 -	1	416	53021	53436
UN09233	Rsa1.0.05376.1	885	13977	0	620	631	98 -	1	631	5384	6014
UN09234	Rsa1.0.00104.1	1072	368722	3.00E-94	239	260	91 +	634	893	201374	201633
UN09235	Rsa1.0.04568.1	1418	16805	0	1045	1083	96 +	337	1418	4609	5681
UN09236	Rsa1.0.03686.1	1364	21387	0	357	361	98 -	1005	1364	8981	9340
UN09237	Rsa1.0.52605.1	939	433	0	432	433	99 -	157	589	1	433
UN09238	Rsa1.0.00140.1	474	121541	1.00E-164	295	296	99 +	179	474	579	874
UN09239	Rsa1.0.02813.1	538	27656	0	415	426	97 +	122	538	25679	26104
UN09240	Rsa1.0.01774.1	718	39528	1.00E-135	256	260	98 +	450	709	23650	23909
UN09241	Rsa1.0.01651.1	1036	41586	0	1029	1036	99 +	1	1036	31227	32262

UN09242	Rsa1.0_01176.1	687	51638	1.00E-123	236	240	98 -	448	687	47334	47573
UN09243	Rsa1.0_00083.1	883	442773	0	391	394	99 -	490	883	261482	261875
UN09244	Rsa1.0_07309.1	821	9572	6.00E-98	185	186	99 -	635	820	7736	7921
UN09245	Rsa1.0_02955.1	780	26484	7.00E-82	217	235	92 -	547	778	20351	20581
UN09246	Rsa1.0_01097.1	1651	173349	1.00E-180	404	432	93 -	1233	1648	32232	32663
UN09247	Rsa1.0_02043.1	900	163754	1.00E-114	237	246	96 -	377	622	145291	145536
UN09248	Rsa1.0_00060.1	1416	502678	1.00E-155	350	371	94 -	1046	1415	368884	369249
UN09249	Rsa1.0_00855.1	1236	62047	0	378	392	96 -	3	394	55971	56359
UN09250	Rsa1.0_03168.1	1141	24827	1.00E-123	243	249	97 +	10	258	4696	4944
UN09251	Rsa1.0_01212.1	1222	50622	0	1193	1218	97 +	5	1220	44889	46106
UN09252	Rsa1.0_02622.1	1155	142402	0	683	699	97 +	455	1153	9528	10226
UN09253	Rsa1.0_01545.1	1047	43599	0	558	559	99 -	6	564	32611	33169
UN09254	Rsa1.0_02474.1	1267	31076	0	436	438	99 +	828	1265	21211	21648
UN09255	Rsa1.0_00054.1	1226	162053	1.00E-122	388	436	88 -	792	1218	5405	5820
UN09256	Rsa1.0_18628.1	945	1562	0	910	946	96 -	2	944	367	1307
UN09257	Rsa1.0_04286.1	1022	18084	0	375	376	99 -	647	1022	4017	4392
UN09258	Rsa1.0_00108.1	1223	478491	1.00E-144	371	403	92 -	2	394	463726	464123
UN09259	Rsa1.0_09250.1	1397	6528	0	449	458	98 +	215	672	3462	3916
UN09260	Rsa1.0_00119.1	1337	467509	1.00E-173	333	340	97 +	998	1337	302973	303310
UN09261	Rsa1.0_00198.1	1066	222963	0	897	944	95 +	120	1054	138000	138942
UN09262	Rsa1.0_01683.1	1388	41059	1.00E-166	339	353	96 -	529	881	23260	23612
UN09263	Rsa1.0_13895.1	1363	4135	0	401	401	100 +	1	401	155	555
UN09264	Rsa1.0_00332.1	969	94575	0	507	507	100 +	1	507	62018	62524
UN09265	Rsa1.0_01431.1	910	167877	0	904	907	99 -	3	909	36772	37678
UN09266	Rsa1.0_01696.1	1409	301850	1.00E-171	328	333	98 -	6	338	297579	297908
UN09267	Rsa1.0_03318.1	1096	23780	1.00E-168	334	344	97 -	718	1060	2397	2740
UN09268	Rsa1.0_00356.1	937	91521	0	490	511	95 -	19	523	34979	35485
UN09269	Rsa1.0_00525.1	1322	78030	0	441	452	97 +	2	453	30668	31119
UN09270	Rsa1.0_18957.1	1235	1505	1.00E-158	295	299	98 +	248	546	1203	1501
UN09271	Rsa1.0_00048.1	858	167185	1.00E-137	272	280	97 +	470	749	8087	8366
UN09272	Rsa1.0_00615.1	986	72235	0	620	639	97 +	1	639	54770	55402
UN09273	Rsa1.0_08807.1	872	6906	1.00E-120	229	232	98 -	273	504	4140	4371
UN09274	Rsa1.0_02922.1	907	26753	0	364	364	100 -	544	907	12326	12689
UN09275	Rsa1.0_05804.1	739	12586	0	737	737	100 -	3	739	9607	10343
UN09276	Rsa1.0_04794.1	773	15960	0	461	462	99 +	312	773	2694	3155
UN09277	Rsa1.0_00067.1	1036	415055	1.00E-150	333	352	94 +	641	991	301029	301368
UN09278	Rsa1.0_00140.1	713	121541	1.00E-152	316	329	96 -	383	711	21968	22295
UN09279	Rsa1.0_37242.1	943	605	1.00E-150	317	330	96 +	42	367	10	337
UN09280	Rsa1.0_00642.1	1316	201230	0	969	1017	95 -	1	1013	157947	158961

UN09281	Rsa1.0_14319.1	1104	3529	1.00E-179	491	548	89 +	293	840	2316	2860
UN09282	Rsa1.0_01091.1	1268	54383	0	562	572	98 +	4	575	11319	11890
UN09283	Rsa1.0_01530.1	814	43820	0	514	527	97 -	288	814	5929	6455
UN09284	Rsa1.0_00026.1	411	327835	2.00E-12	61	68	89 +	16	80	305879	305946
UN09285	Rsa1.0_00049.1	1463	167018	0	700	716	97 +	3	718	144469	145184
UN09286	Rsa1.0_01537.1	1001	187285	1.00E-129	333	361	92 -	648	1001	38620	38977
UN09287	Rsa1.0_03728.1	1423	21147	0	454	462	98 +	1	462	631	1092
UN09288	Rsa1.0_08045.1	1451	8014	0	341	343	99 -	1109	1450	4994	5336
UN09289	Rsa1.0_00147.1	1143	249503	0	462	497	92 -	658	1136	155766	156259
UN09290	Rsa1.0_02165.1	1036	34423	0	556	600	92 -	374	960	3037	3636
UN09291	Rsa1.0_00865.1	1293	61686	0	471	471	100 -	2	472	2371	2841
UN09292	Rsa1.0_02043.1	1503	163754	0	450	486	92 +	653	1123	145937	146415
UN09293	Rsa1.0_00096.1	973	198773	1.00E-176	320	322	99 +	4	325	14856	15177
UN09294	Rsa1.0_00715.1	515	67116	1.00E-100	238	250	95 +	14	259	40324	40573
UN09295	Rsa1.0_02433.1	1464	158318	0	413	440	93 +	1	426	19973	20411
UN09296	Rsa1.0_00772.1	1136	64856	0	433	464	93 -	618	1080	47121	47580
UN09297	Rsa1.0_06898.1	1007	10191	4.00E-93	189	194	97 -	1	194	5050	5243
UN09298	Rsa1.0_01519.1	960	44144	0	503	521	96 -	441	960	11634	12151
UN09299	Rsa1.0_00166.1	1193	240912	0	410	422	97 +	521	942	221531	221952
UN09300	Rsa1.0_03971.1	1284	19788	1.00E-151	293	299	97 +	981	1279	3924	4221
UN09301	Rsa1.0_16493.1	1305	2136	1.00E-118	228	232	98 +	1	232	1336	1567
UN09302	Rsa1.0_00017.1	921	752458	6.00E-92	209	220	95 -	7	226	298464	298682
UN09303	Rsa1.0_01144.1	1280	52431	1.00E-155	325	340	95 +	3	339	22926	23265
UN09304	Rsa1.0_00684.1	935	141701	0	463	469	98 +	466	934	9100	9568
UN09305	Rsa1.0_05449.1	1074	13711	0	440	471	93 +	5	473	13194	13646
UN09306	Rsa1.0_00132.1	978	124299	1.00E-172	353	367	96 -	2	367	99700	100066
UN09307	Rsa1.0_00147.1	1218	249503	0	567	609	93 +	1	607	155663	156259
UN09308	Rsa1.0_09273.1	1087	6511	1.00E-107	216	222	97 -	1	222	1960	2181
UN09309	Rsa1.0_01377.1	1070	46967	0	356	363	98 +	708	1070	21582	21943
UN09310	Rsa1.0_00040.1	1881	324196	1.00E-172	334	343	97 +	1539	1881	315220	315562
UN09311	Rsa1.0_00473.1	1293	212204	1.00E-148	278	282	98 +	485	766	48003	48284
UN09312	Rsa1.0_00895.1	1032	60615	1.00E-159	308	313	98 +	722	1032	16603	16915
UN09313	Rsa1.0_00338.1	1098	94109	1.00E-110	261	280	93 -	819	1098	34847	35117
UN09314	Rsa1.0_11428.1	1305	5511	1.00E-167	391	424	92 -	1	402	4231	4654
UN09315	Rsa1.0_00218.1	1092	201480	0	847	857	98 +	235	1090	174782	175637
UN09316	Rsa1.0_02165.1	1067	34423	0	550	600	91 +	114	693	3037	3636
UN09317	Rsa1.0_00760.1	1125	65267	1.00E-139	263	267	98 +	401	667	19685	19951
UN09318	Rsa1.0_02209.1	1078	33873	1.00E-155	340	362	93 -	720	1078	26608	26957
UN09319	Rsa1.0_36506.1	1096	618	1.00E-141	293	306	95 -	786	1091	313	618

UN09320	Rsa1.0.02550.1	1072	291051	0	364	367	99 +	706	1072	6190	6556
UN09321	Rsa1.0.06303.1	1025	11268	0	792	814	97 +	2	815	4844	5657
UN09322	Rsa1.0.00497.1	1223	79830	0	720	741	97 +	487	1223	73170	73910
UN09323	Rsa1.0.11811.1	1369	5401	1.00E-113	224	229	97 +	1140	1364	2702	2930
UN09324	Rsa1.0.08617.1	867	7124	0	837	880	95 -	2	867	284	1161
UN09325	Rsa1.0.00145.1	765	261008	0	428	428	100 -	336	763	8526	8953
UN09326	Rsa1.0.00816.1	1042	403350	0	562	583	96 -	3	582	127627	128209
UN09327	Rsa1.0.02379.1	845	150705	1.00E-141	380	424	89 -	352	753	141733	142156
UN09328	Rsa1.0.01104.1	1192	285480	0	452	456	99 +	736	1191	35015	35470
UN09329	Rsa1.0.09048.1	769	6683	0	667	679	98 +	95	769	5245	5923
UN09330	Rsa1.0.01618.1	625	42118	1.00E-108	266	290	91 +	1	280	17298	17587
UN09331	Rsa1.0.09325.1	956	6454	0	340	344	98 +	613	956	716	1059
UN09332	Rsa1.0.08255.1	801	7652	0	522	524	99 +	1	524	3734	4257
UN09333	Rsa1.0.00387.1	709	495407	1.00E-163	314	320	98 +	1	320	349283	349601
UN09334	Rsa1.0.02658.1	1294	28978	1.00E-161	319	329	96 +	60	388	17755	18083
UN09335	Rsa1.0.01958.1	1345	261128	0	410	414	99 +	1	414	129275	129688
UN09336	Rsa1.0.01397.1	595	183276	8.00E-81	162	165	98 +	73	237	171641	171805
UN09337	Rsa1.0.00558.1	1335	75819	0	739	751	98 +	311	1061	28073	28823
UN09338	Rsa1.0.00364.1	839	90951	0	440	443	99 +	397	839	63260	63702
UN09339	Rsa1.0.00097.1	837	138858	0	375	386	97 +	458	837	42576	42958
UN09340	Rsa1.0.02345.1	743	32337	1.00E-106	262	282	92 +	460	738	15392	15673
UN09341	Rsa1.0.02848.1	786	27329	0	517	530	97 -	254	782	12523	13050
UN09342	Rsa1.0.02548.1	1077	30228	1.00E-153	330	348	94 +	743	1077	10107	10454
UN09343	Rsa1.0.00086.1	1034	439854	0	865	865	100 +	3	867	341743	342607
UN09344	Rsa1.0.02888.1	1639	27020	0	426	430	99 +	2	431	8692	9121
UN09345	Rsa1.0.00636.1	736	71113	1.00E-158	286	287	99 +	2	288	14334	14620
UN09346	Rsa1.0.00192.1	865	278200	0	452	453	99 -	1	453	223102	223554
UN09347	Rsa1.0.00045.1	1305	328694	2.33E-156	275	279	98 -	799	1077	161663	161941
UN09348	Rsa1.0.08619.1	784	7123	1.00E-108	243	255	95 -	538	784	5465	5719
UN09349	Rsa1.0.00025.1	667	277312	0	661	661	100 +	5	665	79953	80613
UN09350	Rsa1.0.00398.1	861	88007	1.00E-141	270	274	98 +	588	860	28102	28375
UN09351	Rsa1.0.01144.1	1626	52431	0	414	420	98 -	2	420	42305	42724
UN09352	Rsa1.0.01806.1	1124	39021	0	567	569	99 -	1	569	24551	25118
UN09353	Rsa1.0.02152.1	884	34558	0	597	603	99 +	3	603	26442	27044
UN09354	Rsa1.0.06911.1	2022	10178	0	599	609	98 -	861	1469	9273	9881
UN09355	Rsa1.0.02392.1	1369	152517	1.00E-163	298	300	99 +	6	305	7771	8070
UN09356	Rsa1.0.29217.1	622	789	1.00E-104	250	268	93 +	353	618	335	602
UN09357	Rsa1.0.08909.1	477	6799	8.00E-96	246	264	93 -	14	270	5387	5646
UN09358	Rsa1.0.01388.1	1016	46741	1.00E-128	321	349	91 +	1	341	16555	16900

UN09359	Rsa1.0.00055.1	871	520193	0	695	719	96 +	152	867	339997	340715
UN09360	Rsa1.0.01574.1	1136	42930	0	672	673	99 +	29	701	17701	18373
UN09361	Rsa1.0.02377.1	902	31994	1.00E-160	361	382	94 +	2	377	17523	17902
UN09362	Rsa1.0.00050.1	1920	237174	0	418	440	95 -	1488	1919	33927	34366
UN09363	Rsa1.0.05973.1	1132	12065	0	1061	1136	93 -	1	1129	3811	4935
UN09364	Rsa1.0.06373.1	942	11138	1.00E-148	298	307	97 -	641	942	727	1033
UN09365	Rsa1.0.02108.1	1336	163029	0	637	643	99 +	693	1335	154209	154848
UN09366	Rsa1.0.00708.1	1496	67366	0	410	426	96 -	285	710	13811	14236
UN09367	Rsa1.0.03818.1	1259	20668	1.00E-121	303	327	92 -	934	1256	6603	6923
UN09368	Rsa1.0.36506.1	704	618	1.00E-152	297	305	97 +	3	307	314	618
UN09369	Rsa1.0.00134.1	1308	390219	0	407	407	100 +	902	1308	381305	381711
UN09370	Rsa1.0.00178.1	1530	114861	0	796	804	99 +	727	1530	67460	68258
UN09371	Rsa1.0.01388.1	973	46741	1.00E-120	274	291	94 +	15	302	16613	16900
UN09372	Rsa1.0.00321.1	1360	95671	0	408	419	97 -	1	419	21420	21835
UN09373	Rsa1.0.00798.1	968	63945	0	504	510	98 +	459	968	43764	44273
UN09374	Rsa1.0.12060.1	958	5328	1.00E-138	253	254	99 -	3	256	97	350
UN09375	Rsa1.0.00868.1	1163	61630	0	445	450	98 +	717	1163	32742	33191
UN09376	Rsa1.0.02138.1	608	34695	1.00E-171	315	317	99 -	3	318	7722	8038
UN09377	Rsa1.0.09709.1	2137	6198	0	661	662	99 +	1	662	4025	4686
UN09378	Rsa1.0.00594.1	1703	73729	0	889	905	98 -	800	1703	4073	4973
UN09379	Rsa1.0.00193.1	1387	194198	0	433	441	98 -	414	854	98615	99055
UN09380	Rsa1.0.00260.1	1226	102021	0	902	940	95 -	4	938	26336	27275
UN09381	Rsa1.0.04281.1	1620	18107	0	1122	1124	99 -	497	1620	15446	16568
UN09382	Rsa1.0.15993.1	646	2329	0	407	419	97 +	220	638	1900	2315
UN09383	Rsa1.0.06408.1	1198	11070	0	345	348	99 -	10	357	1608	1955
UN09384	Rsa1.0.01438.1	601	45882	0	388	401	96 +	3	403	32818	33216
UN09385	Rsa1.0.00541.1	885	76863	1.00E-119	254	265	95 +	1	265	9084	9341
UN09386	Rsa1.0.01156.1	796	52147	1.00E-132	283	299	94 +	180	469	33026	33324
UN09387	Rsa1.0.01458.1	954	175719	0	362	371	97 -	585	952	33186	33554
UN09388	Rsa1.0.04126.1	1171	18939	0	548	561	97 -	2	560	17402	17959
UN09389	Rsa1.0.01097.1	548	173349	8.00E-81	156	157	99 +	189	345	8872	9028
UN09390	Rsa1.0.01876.1	1119	37800	0	351	356	98 -	1	356	9471	9825
UN09391	Rsa1.0.00950.1	694	58547	1.00E-76	179	187	95 +	3	186	54197	54380
UN09392	Rsa1.0.00451.1	917	322533	0	341	343	99 -	573	915	48180	48522
UN09393	Rsa1.0.00033.1	977	515811	7.00E-98	262	289	90 -	94	380	462808	463082
UN09394	Rsa1.0.03607.1	1230	21817	1.00E-129	287	301	95 +	928	1226	3939	4237
UN09395	Rsa1.0.03001.1	769	26108	1.00E-125	276	292	94 -	483	769	9416	9707
UN09396	Rsa1.0.03738.1	749	21071	0	738	744	99 +	3	746	19580	20323
UN09397	Rsa1.0.00519.1	1092	197864	0	416	423	98 -	673	1090	191658	192080

UN09398	Rsa1.0_00655.1	912	195840	1.00E-163	368	390	94 +	525	912	163505	163892
UN09399	Rsa1.0_07935.1	1561	8229	0	1282	1334	96 -	3	1321	6844	8177
UN09400	Rsa1.0_00059.1	637	159650	1.00E-129	301	319	94 -	319	634	123644	123957
UN09401	Rsa1.0_00339.1	1121	222974	7.00E-92	181	184	98 -	907	1090	39246	39429
UN09402	Rsa1.0_02064.1	961	35476	1.00E-102	285	311	91 -	3	306	9520	9825
UN09403	Rsa1.0_20672.1	1102	1281	1.00E-133	242	242	100 -	457	698	1020	1261
UN09404	Rsa1.0_00271.1	807	101125	0	804	809	99 +	1	806	90528	91336
UN09405	Rsa1.0_01546.1	956	43586	0	954	956	99 +	3	956	30240	31195
UN09406	Rsa1.0_00203.1	1108	109129	3.00E-82	183	192	95 +	138	329	21777	21968
UN09407	Rsa1.0_07030.1	940	10008	3.00E-47	158	178	88 -	324	497	5301	5478
UN09408	Rsa1.0_00058.1	1445	159921	1.00E-120	231	235	98 +	759	993	92939	93173
UN09409	Rsa1.0_00094.1	2069	139042	0	772	803	96 +	70	866	90319	91115
UN09410	Rsa1.0_00593.1	526	143463	1.00E-133	240	240	100 -	287	526	60989	61228
UN09411	Rsa1.0_11621.1	625	5457	1.00E-166	308	312	98 -	2	313	601	912
UN09412	Rsa1.0_01023.1	1707	56571	1.00E-117	221	223	99 -	1094	1316	51375	51597
UN09413	Rsa1.0_02176.1	598	34291	0	590	596	98 -	1	596	21001	21596
UN09414	Rsa1.0_01054.1	921	55470	0	916	918	99 -	3	920	23592	24509
UN09415	Rsa1.0_01263.1	494	49703	1.00E-85	164	165	99 +	70	234	39806	39970
UN09416	Rsa1.0_04655.1	1701	16495	0	625	625	100 +	1077	1701	11787	12411
UN09417	Rsa1.0_04027.1	591	19501	1.00E-161	366	387	94 -	1	380	6649	7033
UN09418	Rsa1.0_00301.1	679	365315	0	427	430	99 -	249	676	207737	208166
UN09419	Rsa1.0_00457.1	1485	337301	0	584	588	99 -	896	1483	334144	334731
UN09420	Rsa1.0_01625.1	715	42019	1.00E-116	267	280	95 -	438	715	20455	20732
UN09421	Rsa1.0_00157.1	924	245832	0	407	422	96 +	503	924	160498	160908
UN09422	Rsa1.0_01553.1	630	43379	1.00E-140	253	253	100 +	68	320	14846	15098
UN09423	Rsa1.0_07389.1	850	9479	0	480	510	94 -	339	848	555	1045
UN09424	Rsa1.0_01926.1	1304	37206	0	463	464	99 +	840	1303	17508	17971
UN09425	Rsa1.0_00201.1	1627	232851	0	389	403	96 +	748	1148	4150	4548
UN09426	Rsa1.0_00275.1	1314	210104	1.00E-166	304	305	99 +	8	311	176437	176741
UN09427	Rsa1.0_00341.1	670	249309	1.00E-107	206	209	98 -	189	397	128945	129153
UN09428	Rsa1.0_00035.1	1465	176449	0	1268	1332	95 -	134	1464	51613	52916
UN09429	Rsa1.0_00999.1	1411	57162	1.00E-150	285	290	98 +	2	291	14247	14536
UN09430	Rsa1.0_02074.1	1190	35370	0	527	532	99 +	9	540	11996	12527
UN09431	Rsa1.0_00128.1	855	228675	0	846	853	99 -	3	855	185139	185991
UN09432	Rsa1.0_01635.1	742	41865	0	707	720	98 -	3	722	15877	16592
UN09433	Rsa1.0_01955.1	1255	36850	1.00E-169	454	497	91 +	211	701	13073	13563
UN09434	Rsa1.0_00813.1	1370	63202	1.00E-167	326	335	97 -	1040	1370	10828	11162
UN09435	Rsa1.0_27069.1	430	867	0	367	380	96 +	56	430	31	404
UN09436	Rsa1.0_16574.1	798	2106	0	372	378	98 +	323	700	1729	2106

UN09437	Rsa1.0_04004.1	491	19594	0	466	466	100 -	3	468	15169	15634
UN09438	Rsa1.0_02648.1	745	29073	1.00E-175	368	390	94 +	360	745	12514	12887
UN09439	Rsa1.0_00014.1	719	348985	0	564	571	98 -	149	719	241634	242204
UN09440	Rsa1.0_02113.1	744	34890	0	734	757	96 -	2	744	22769	23525
UN09441	Rsa1.0_04411.1	1300	142979	0	392	414	94 +	260	661	127303	127716
UN09442	Rsa1.0_02768.1	1723	28110	0	387	388	99 +	1332	1719	26304	26691
UN09443	Rsa1.0_00228.1	546	105511	0	477	482	98 -	65	546	13065	13545
UN09444	Rsa1.0_01235.1	605	50180	0	573	603	95 -	3	605	21049	21646
UN09445	Rsa1.0_00761.1	2377	65133	0	894	922	96 -	1454	2365	23616	24535
UN09446	Rsa1.0_01453.1	894	45449	0	803	840	95 +	43	880	28437	29273
UN09447	Rsa1.0_01630.1	916	41913	1.00E-155	281	282	99 -	633	914	923	1204
UN09448	Rsa1.0_00047.1	1075	168582	0	551	552	99 +	1	551	33970	34521
UN09449	Rsa1.0_00145.1	1491	261008	0	507	539	94 +	390	913	83077	83607
UN09450	Rsa1.0_18611.1	1297	1565	0	403	412	97 -	1	412	957	1368
UN09451	Rsa1.0_01896.1	800	37512	0	581	610	95 +	191	800	19518	20127
UN09452	Rsa1.0_00083.1	1069	442773	0	951	954	99 +	5	958	359476	360429
UN09453	Rsa1.0_00275.1	998	210104	1.00E-114	210	210	100 +	79	288	164586	164795
UN09454	Rsa1.0_00971.1	1216	57973	0	895	899	99 -	316	1214	47270	48167
UN09455	Rsa1.0_00760.1	959	65267	6.00E-86	247	277	89 -	677	953	51860	52116
UN09456	Rsa1.0_19592.1	1332	1410	0	482	488	98 -	753	1240	1	488
UN09457	Rsa1.0_00018.1	620	410899	0	500	521	95 +	97	608	140603	141116
UN09458	Rsa1.0_05443.1	720	13737	1.00E-113	221	225	98 +	496	720	4067	4288
UN09459	Rsa1.0_01985.1	1396	36491	0	1269	1282	98 +	115	1396	25011	26292
UN09460	Rsa1.0_00323.1	1068	159650	0	570	577	98 +	3	579	138237	138813
UN09461	Rsa1.0_02123.1	496	149053	0	493	493	100 -	4	496	1171	1663
UN09462	Rsa1.0_02898.1	1465	26958	0	384	387	99 +	100	486	4910	5296
UN09463	Rsa1.0_00245.1	847	103569	0	454	475	95 +	1	474	55038	55503
UN09464	Rsa1.0_01245.1	973	149868	0	641	647	99 +	328	973	45960	46606
UN09465	Rsa1.0_02275.1	1040	33107	0	496	505	98 +	539	1040	30103	30606
UN09466	Rsa1.0_00796.1	1805	63997	0	335	335	100 +	1	335	53537	53871
UN09467	Rsa1.0_01389.1	909	46716	0	382	395	96 +	3	397	9775	10165
UN09468	Rsa1.0_01340.1	1242	47805	0	347	351	98 -	892	1242	12797	13147
UN09469	Rsa1.0_02855.1	890	27271	0	559	572	97 -	2	573	10684	11254
UN09470	Rsa1.0_00002.1	1418	601661	0	330	330	100 +	3	332	114970	115299
UN09471	#	#	#	#	#	#	#	#	#	#	#
UN09472	Rsa1.0_00100.1	2112	249232	1.00E-106	216	220	98 +	378	596	115618	115836
UN09473	Rsa1.0_03191.1	979	145762	0	357	359	99 +	621	979	16325	16683
UN09474	Rsa1.0_04110.1	764	18998	1.00E-128	232	232	100 -	1	232	6562	6793
UN09475	Rsa1.0_00335.1	1499	94371	3.00E-73	175	185	94 -	1268	1452	35199	35382

UN09476	Rsa1.0.01196.1	872	51097	1.00E-171	352	370	95 -	501	870	32479	32837
UN09477	Rsa1.0.00272.1	1070	447836	0	593	625	94 +	444	1068	78070	78673
UN09478	Rsa1.0.01295.1	999	49040	0	398	405	98 -	595	999	40213	40616
UN09479	Rsa1.0.00088.1	767	141341	1.00E-114	221	225	98 +	354	578	19396	19620
UN09480	Rsa1.0.02139.1	812	34686	1.00E-132	337	364	92 -	448	805	5551	5912
UN09481	Rsa1.0.00017.1	422	752458	1.00E-127	267	277	96 -	11	287	539206	539479
UN09482	Rsa1.0.00438.1	605	84861	1.00E-156	285	287	99 -	36	322	2602	2888
UN09483	Rsa1.0.01387.1	950	46745	1.00E-145	262	262	100 +	1	262	31059	31320
UN09484	Rsa1.0.04886.1	1113	15597	0	669	674	99 +	439	1112	2209	2882
UN09485	Rsa1.0.00386.1	1847	89134	1.00E-171	350	365	95 +	633	997	42823	43187
UN09486	Rsa1.0.00713.1	1085	158017	0	1078	1083	99 +	1	1083	38893	39974
UN09487	Rsa1.0.02872.1	1105	27080	0	499	519	96 -	568	1080	11232	11749
UN09488	Rsa1.0.00114.1	936	131330	1.00E-140	289	301	96 +	452	752	117617	117917
UN09489	Rsa1.0.08988.1	1488	6732	0	597	649	91 -	856	1486	612	1243
UN09490	Rsa1.0.02018.1	657	35994	0	645	646	99 +	4	649	4756	5401
UN09491	Rsa1.0.00354.1	834	232005	1.00E-114	258	272	94 +	565	833	170578	170849
UN09492	Rsa1.0.01373.1	660	47052	0	580	589	98 +	1	589	31451	32039
UN09493	Rsa1.0.00789.1	1090	64233	1.00E-132	246	248	99 -	3	250	44999	45246
UN09494	Rsa1.0.17016.1	1007	1952	1.00E-171	374	395	94 -	596	987	220	613
UN09495	Rsa1.0.00027.1	970	283362	0	448	479	93 +	3	480	56539	57005
UN09496	Rsa1.0.00485.1	1274	80937	0	518	533	97 -	605	1137	30531	31063
UN09497	Rsa1.0.08165.1	840	7806	1.00E-101	288	317	90 -	2	309	2878	3192
UN09498	Rsa1.0.02152.1	729	34558	0	594	625	95 -	117	729	26446	27067
UN09499	Rsa1.0.21881.1	945	1167	1.00E-143	276	281	98 -	2	280	13	293
UN09500	Rsa1.0.00025.1	695	277312	0	679	683	99 +	14	695	39139	39821
UN09501	Rsa1.0.00035.1	496	176449	1.00E-150	335	353	94 -	1	352	156806	157155
UN09502	Rsa1.0.00276.1	754	100160	0	745	753	98 -	3	754	89077	89829
UN09503	Rsa1.0.00089.1	1039	406142	0	333	335	99 +	3	337	162002	162336
UN09504	Rsa1.0.01199.1	819	163576	1.00E-170	303	303	100 -	517	819	124415	124717
UN09505	Rsa1.0.02253.1	1343	33356	1.00E-131	251	254	98 -	1091	1343	23321	23574
UN09506	Rsa1.0.45348.1	311	497	1.00E-110	240	253	94 -	59	311	237	489
UN09507	Rsa1.0.00354.1	822	232005	1.00E-114	262	279	93 +	546	822	170578	170849
UN09508	Rsa1.0.02923.1	832	26736	1.00E-127	329	356	92 +	56	407	15750	16101
UN09509	Rsa1.0.03408.1	1832	23154	1.00E-167	444	494	89 -	70	543	3835	4328
UN09510	Rsa1.0.02449.1	1076	31292	1.00E-84	194	200	97 -	879	1075	13261	13459
UN09511	Rsa1.0.01774.1	749	39528	1.00E-168	316	321	98 +	3	323	23015	23331
UN09512	Rsa1.0.00009.1	570	232558	0	431	437	98 -	135	570	184896	185329
UN09513	Rsa1.0.00329.1	1347	222544	0	652	690	94 -	677	1347	193045	193732
UN09514	Rsa1.0.01296.1	788	49035	1.00E-161	371	398	93 -	403	788	35557	35953

UN09515	Rsa1.0_00098.1	849	349239	0	399	419	95 +	23	434	228880	229298
UN09516	Rsa1.0_00082.1	915	237584	0	325	325	100 +	591	915	38549	38873
UN09517	Rsa1.0_02349.1	1103	32312	0	644	668	96 +	1	668	14862	15510
UN09518	Rsa1.0_15363.1	454	2655	0	393	405	97 +	53	454	1072	1476
UN09519	Rsa1.0_06898.1	1134	10191	0	332	332	100 +	1	332	3152	3483
UN09520	Rsa1.0_01007.1	778	56933	0	732	765	95 -	20	777	6796	7545
UN09521	Rsa1.0_00028.1	1878	293984	0	358	358	100 +	296	653	20828	21185
UN09522	Rsa1.0_07345.1	925	9526	0	914	922	99 -	3	924	6239	7160
UN09523	Rsa1.0_00015.1	827	561803	0	611	645	94 -	3	641	185641	186284
UN09524	Rsa1.0_05812.1	1047	12571	0	962	995	96 +	3	997	2554	3548
UN09525	Rsa1.0_01022.1	2061	56606	0	484	494	97 +	893	1386	28582	29075
UN09526	Rsa1.0_00200.1	709	162016	0	497	498	99 -	6	502	119257	119754
UN09527	Rsa1.0_00065.1	1490	454616	0	441	454	97 +	1038	1488	213563	214016
UN09528	Rsa1.0_02252.1	1131	33375	0	495	508	97 -	523	1030	27492	27999
UN09529	Rsa1.0_06513.1	1134	10869	1.00E-103	191	191	100 -	868	1058	1	191
UN09530	Rsa1.0_06803.1	1190	10330	1.00E-121	269	278	96 +	22	295	7266	7542
UN09531	Rsa1.0_00419.1	771	86562	1.00E-165	302	303	99 +	470	771	6011	6313
UN09532	Rsa1.0_00410.1	927	86957	1.00E-167	323	330	97 -	599	927	39714	40043
UN09533	Rsa1.0_00007.1	841	239325	1.00E-125	250	256	97 -	580	834	30263	30518
UN09534	Rsa1.0_00221.1	1101	106972	0	531	546	97 +	63	608	37064	37609
UN09535	Rsa1.0_01660.1	1293	41400	1.00E-144	438	492	89 +	804	1293	32286	32760
UN09536	Rsa1.0_01815.1	2439	38897	3.00E-37	81	81	100 -	381	461	23439	23519
UN09537	Rsa1.0_02494.1	1617	132923	0	874	918	95 +	446	1363	4498	5410
UN09538	Rsa1.0_00851.1	1318	62181	1.00E-69	173	182	95 -	1	181	29745	29923
UN09539	Rsa1.0_00153.1	1330	192931	0	1064	1072	99 +	1	1072	13929	15000
UN09540	Rsa1.0_00201.1	1270	232851	0	1181	1237	95 -	1	1229	208685	209911
UN09541	Rsa1.0_01336.1	922	47853	0	738	747	98 -	1	747	39106	39852
UN09542	Rsa1.0_03853.1	812	20447	0	348	348	100 -	11	358	14042	14389
UN09543	Rsa1.0_23843.1	1313	1022	0	693	719	96 +	561	1269	1	717
UN09544	Rsa1.0_07439.1	3141	9392	1.00E-148	268	268	100 +	329	596	4581	4848
UN09545	Rsa1.0_01403.1	782	46453	1.00E-132	273	284	96 -	398	681	32717	33000
UN09546	Rsa1.0_00434.1	826	85171	0	425	434	97 +	394	826	69751	70184
UN09547	Rsa1.0_00900.1	1223	60367	0	551	569	96 -	653	1220	17378	17936
UN09548	Rsa1.0_00727.1	663	66724	1.00E-107	201	202	99 -	180	381	15710	15911
UN09549	Rsa1.0_00351.1	747	413096	0	414	434	95 +	1	428	244397	244827
UN09550	Rsa1.0_00107.1	1007	431659	0	573	577	99 -	1	575	196976	197552
UN09551	Rsa1.0_00123.1	872	325650	1.00E-107	294	326	90 +	415	740	305227	305552
UN09552	Rsa1.0_33464.1	975	678	1.00E-148	278	282	98 -	208	489	154	435
UN09553	Rsa1.0_01448.1	943	45645	5.00E-71	154	159	96 -	22	180	41275	41430

UN09554	Rsa1.0.01007.1	955	56933	0	692	721	95 -	224	943	48054	48774
UN09555	Rsa1.0.06541.1	752	10806	1.00E-110	315	345	91 -	385	714	10030	10372
UN09556	Rsa1.0.36204.1	914	623	1.00E-110	209	211	99 -	418	628	154	364
UN09557	Rsa1.0.00247.1	1068	103408	0	388	402	96 -	3	396	66969	67369
UN09558	Rsa1.0.00017.1	1399	752458	0	1391	1395	99 +	2	1396	285204	286594
UN09559	Rsa1.0.05141.1	489	14710	0	347	348	99 -	143	489	5485	5832
UN09560	Rsa1.0.02105.1	1012	156953	1.00E-177	354	367	96 -	242	608	149700	150066
UN09561	Rsa1.0.02248.1	847	33414	0	361	361	100 +	1	361	26046	26406
UN09562	Rsa1.0.00467.1	1081	156542	0	549	562	97 -	6	564	77638	78199
UN09563	Rsa1.0.02966.1	996	135126	0	515	532	96 -	2	528	17972	18502
UN09564	Rsa1.0.00226.1	1293	105884	1.00E-101	188	188	100 -	1106	1293	79137	79324
UN09565	Rsa1.0.02248.1	832	33414	1.00E-163	342	360	95 +	1	351	26047	26406
UN09566	Rsa1.0.03911.1	1510	20133	0	584	584	100 +	927	1510	16851	17434
UN09567	Rsa1.0.02625.1	1098	139104	0	1050	1051	99 -	43	1093	24665	25715
UN09568	Rsa1.0.00243.1	757	103651	1.00E-175	343	352	97 -	1	352	23261	23606
UN09569	Rsa1.0.00977.1	1301	198001	0	1211	1309	92 +	3	1285	47149	48442
UN09570	Rsa1.0.04649.1	1195	16538	0	418	420	99 -	776	1195	10582	11001
UN09571	#	#	#	#	#	#	#	#	#	#	#
UN09572	Rsa1.0.02922.1	925	26753	1.00E-154	357	383	93 +	1	381	12322	12689
UN09573	Rsa1.0.00422.1	1348	86144	0	569	610	93 -	331	926	83575	84184
UN09574	Rsa1.0.02722.1	1094	28417	0	403	422	95 +	1	416	266	687
UN09575	Rsa1.0.01881.1	1383	37721	0	1353	1381	97 -	3	1383	7714	9090
UN09576	Rsa1.0.00152.1	1004	257730	0	568	572	99 -	1	572	256945	257513
UN09577	Rsa1.0.00020.1	1475	283099	0	427	430	99 +	3	432	89927	90353
UN09578	Rsa1.0.00359.1	1016	91256	0	435	470	92 -	309	778	47430	47899
UN09579	Rsa1.0.00313.1	738	96745	0	321	321	100 +	414	734	79688	80008
UN09580	Rsa1.0.00092.1	1307	659932	0	350	358	97 -	956	1306	634946	635303
UN09581	Rsa1.0.02671.1	1177	28887	1.00E-151	322	339	94 +	5	343	9126	9449
UN09582	Rsa1.0.03231.1	1428	24456	0	428	428	100 -	3	430	23696	24123
UN09583	Rsa1.0.07894.1	1437	8347	0	861	879	97 +	1	878	5528	6406
UN09584	Rsa1.0.09284.1	764	6496	1.00E-132	246	248	99 +	517	764	589	836
UN09585	Rsa1.0.02065.1	1101	35467	0	410	413	99 +	691	1101	15761	16173
UN09586	Rsa1.0.00179.1	1078	393324	1.00E-145	357	389	91 -	696	1064	51785	52173
UN09587	Rsa1.0.03241.1	1067	24423	0	484	489	98 +	579	1067	14637	15125
UN09588	Rsa1.0.00307.1	1798	199003	0	831	868	95 +	1	867	170975	171841
UN09589	Rsa1.0.02658.1	1282	28978	0	358	364	98 -	907	1268	17720	18083
UN09590	Rsa1.0.00194.1	1061	110851	1.00E-62	168	182	92 -	880	1061	100172	100351
UN09591	Rsa1.0.24098.1	940	1007	1.00E-172	340	351	96 -	589	939	597	947
UN09592	Rsa1.0.03555.1	1620	22129	0	658	674	97 +	164	837	16383	17056

UN09593	Rsa1.0.00078.1	1762	175053	0	1454	1512	96 -	207	1715	78925	80430
UN09594	Rsa1.0.00473.1	1339	212204	0	774	789	98 -	1	789	76768	77555
UN09595	Rsa1.0.01166.1	1215	51877	0	599	618	96 +	3	620	36965	37579
UN09596	Rsa1.0.00529.1	951	77487	1.00E-151	296	304	97 +	652	951	23092	23395
UN09597	Rsa1.0.00379.1	808	89865	1.00E-150	382	423	90 -	3	416	52174	52575
UN09598	Rsa1.0.00844.1	1289	62403	0	571	580	98 +	711	1289	19070	19646
UN09599	Rsa1.0.03887.1	1130	20247	0	1004	1037	96 -	102	1130	17980	19014
UN09600	Rsa1.0.00097.1	889	138858	0	430	446	96 -	1	441	42576	43021
UN09601	Rsa1.0.08668.1	1529	7059	1.00E-114	212	213	99 +	472	684	5662	5874
UN09602	Rsa1.0.03552.1	1527	22151	0	511	519	98 -	1	519	15663	16181
UN09603	Rsa1.0.00866.1	1520	61676	0	626	662	94 -	1	649	30853	31511
UN09604	Rsa1.0.00349.1	1149	92621	0	1047	1086	96 +	66	1149	691	1773
UN09605	Rsa1.0.01668.1	903	41299	1.00E-108	266	288	92 -	125	412	40402	40689
UN09606	Rsa1.0.01502.1	1112	44519	1.00E-149	330	349	94 +	765	1111	39463	39808
UN09607	Rsa1.0.01077.1	1136	54772	0	583	606	96 -	534	1136	10739	11340
UN09608	Rsa1.0.00642.1	1090	201230	0	615	635	96 -	1	635	180069	180702
UN09609	Rsa1.0.01034.1	660	56046	0	356	367	97 -	60	426	35993	36359
UN09610	Rsa1.0.00501.1	1045	79545	1.00E-173	315	317	99 +	1	317	73172	73488
UN09611	Rsa1.0.01541.1	841	43682	0	413	436	94 -	8	442	1663	2095
UN09612	Rsa1.0.18172.1	1375	1653	0	382	385	99 -	993	1375	719	1103
UN09613	Rsa1.0.03150.1	1460	24980	0	421	421	100 -	1	421	23709	24129
UN09614	Rsa1.0.02362.1	1223	32190	0	468	493	94 -	1	475	23950	24440
UN09615	Rsa1.0.00198.1	1245	222963	0	398	417	95 -	837	1245	37691	38100
UN09616	Rsa1.0.11462.1	1286	5500	0	1094	1153	94 -	160	1284	2183	3334
UN09617	Rsa1.0.00056.1	1409	332604	0	760	762	99 +	646	1407	24496	25257
UN09618	Rsa1.0.01492.1	952	44704	2.00E-91	236	258	91 -	14	265	6008	6265
UN09619	Rsa1.0.00896.1	901	60509	0	688	709	97 -	2	710	29277	29984
UN09620	Rsa1.0.00761.1	951	65133	1.00E-167	335	346	96 +	602	947	62157	62495
UN09621	Rsa1.0.02870.1	1250	27102	1.00E-132	255	259	98 +	1	258	12901	13159
UN09622	Rsa1.0.05106.1	1839	14828	0	649	653	99 -	685	1337	9829	10481
UN09623	Rsa1.0.00642.1	1027	201230	0	411	424	96 +	3	424	181249	181667
UN09624	Rsa1.0.02428.1	1840	31542	0	697	697	100 -	406	1102	28430	29126
UN09625	Rsa1.0.08023.1	976	8071	0	531	562	94 -	422	976	4838	5399
UN09626	Rsa1.0.00710.1	743	67325	1.00E-153	393	430	91 +	320	743	28163	28591
UN09627	Rsa1.0.03401.1	1261	23191	0	410	412	99 -	851	1261	4660	5070
UN09628	Rsa1.0.00092.1	1357	659932	0	468	504	92 +	650	1141	494917	495420
UN09629	Rsa1.0.00008.1	978	358124	0	624	630	99 -	350	978	50872	51499
UN09630	Rsa1.0.00007.1	1265	239325	0	542	572	94 +	696	1265	58424	58990
UN09631	Rsa1.0.00253.1	1871	231292	0	536	587	91 +	811	1381	86630	87195

UN09632	Rsa1.0.02125.1	825	34775	9.00E-94	182	183	99 +	574	755	24927	25109
UN09633	Rsa1.0.00253.1	1286	231292	1.00E-103	192	192	100 +	405	596	90275	90466
UN09634	Rsa1.0.04458.1	1007	17255	0	556	566	98 -	1	566	3967	4532
UN09635	Rsa1.0.02605.1	753	29637	1.00E-128	239	241	99 -	2	242	13844	14084
UN09636	Rsa1.0.00017.1	1140	752458	0	544	548	99 -	593	1139	293263	293810
UN09637	Rsa1.0.03326.1	785	23710	0	537	555	96 +	232	785	17095	17641
UN09638	Rsa1.0.02943.1	1349	153598	0	639	647	98 +	1	646	128867	129513
UN09639	Rsa1.0.00495.1	1083	79934	0	560	589	95 -	2	576	11988	12570
UN09640	Rsa1.0.02295.1	1033	149884	1.00E-127	290	310	93 -	1	303	12460	12765
UN09641	Rsa1.0.00425.1	1356	147080	0	1208	1241	97 +	114	1354	95740	96980
UN09642	Rsa1.0.00646.1	1274	70473	1.00E-163	377	407	92 +	3	406	22444	22838
UN09643	Rsa1.0.00025.1	1518	277312	0	797	810	98 -	1	810	226330	227135
UN09644	Rsa1.0.02505.1	1084	30703	1.00E-145	270	273	98 +	113	385	10093	10365
UN09645	Rsa1.0.05282.1	1615	14270	1.00E-172	334	343	97 +	1	343	4132	4474
UN09646	Rsa1.0.08575.1	1549	7180	0	458	458	100 +	249	706	5922	6379
UN09647	Rsa1.0.00032.1	972	306326	0	940	974	96 -	1	970	144545	145509
UN09648	Rsa1.0.00336.1	1173	445051	1.00E-152	302	309	97 -	1	307	218905	219212
UN09649	Rsa1.0.00925.1	995	59481	0	566	566	100 +	430	995	13819	14384
UN09650	Rsa1.0.03608.1	1357	21804	0	525	556	94 -	813	1356	924	1478
UN09651	Rsa1.0.00522.1	1158	78103	1.00E-105	209	214	97 -	592	805	48991	49204
UN09652	Rsa1.0.03344.1	1031	23593	1.00E-120	292	315	92 +	717	1031	12303	12615
UN09653	Rsa1.0.01588.1	1168	42724	0	462	466	99 -	701	1166	10024	10489
UN09654	Rsa1.0.04474.1	885	17191	0	393	395	99 -	490	884	15117	15511
UN09655	Rsa1.0.01839.1	1170	38482	0	1086	1117	97 -	2	1118	9010	10126
UN09656	Rsa1.0.00214.1	1693	107508	0	782	797	98 +	891	1687	103190	103982
UN09657	Rsa1.0.01151.1	769	52268	1.00E-106	199	200	99 +	63	262	38493	38692
UN09658	Rsa1.0.03955.1	842	19884	0	384	392	97 -	449	840	12308	12697
UN09659	Rsa1.0.14912.1	944	2970	0	342	344	99 +	600	943	1944	2287
UN09660	Rsa1.0.00362.1	719	299497	1.00E-174	343	352	97 +	371	719	228930	229281
UN09661	Rsa1.0.33878.1	795	669	1.00E-128	265	272	97 +	423	693	161	430
UN09662	Rsa1.0.00348.1	1411	92818	0	376	377	99 -	10	386	65410	65786
UN09663	Rsa1.0.01119.1	1279	53459	1.00E-120	233	236	98 +	1035	1269	23849	24084
UN09664	Rsa1.0.00049.1	1727	167018	0	1225	1246	98 +	482	1726	74435	75680
UN09665	Rsa1.0.03506.1	1382	22416	0	527	548	96 -	1	542	8413	8952
UN09666	Rsa1.0.00088.1	783	141341	0	767	780	98 -	4	783	44467	45238
UN09667	Rsa1.0.05792.1	757	12612	1.00E-173	336	344	97 +	414	757	1150	1492
UN09668	Rsa1.0.05415.1	523	13830	0	515	519	99 +	4	522	6191	6709
UN09669	Rsa1.0.04258.1	831	18254	0	425	439	96 -	394	829	2338	2776
UN09670	Rsa1.0.00179.1	1094	393324	1.00E-71	255	294	86 -	259	552	19880	20173

UN09671	Rsa1.0.02658.1	951	28978	0	405	407	99 +	1	406	5440	5846
UN09672	Rsa1.0.04220.1	863	18421	0	510	530	96 +	1	528	9467	9982
UN09673	Rsa1.0.00107.1	2470	431659	0	1498	1523	98 +	640	2160	13765	15287
UN09674	Rsa1.0.02248.1	884	33414	0	355	361	98 +	1	361	26046	26406
UN09675	Rsa1.0.00315.1	1509	96426	0	1286	1287	99 +	155	1441	89766	91052
UN09676	Rsa1.0.02020.1	1105	173211	0	572	575	99 +	1	575	153343	153915
UN09677	Rsa1.0.00108.1	980	478491	1.00E-120	288	301	95 -	3	298	51602	51897
UN09678	Rsa1.0.01170.1	815	161131	0	385	394	97 +	3	395	128366	128759
UN09679	Rsa1.0.00832.1	1819	62622	0	959	1047	91 -	600	1646	34580	35626
UN09680	Rsa1.0.00042.1	1172	171507	0	527	550	95 -	635	1171	55333	55880
UN09681	Rsa1.0.01868.1	984	150904	1.00E-147	288	296	97 +	107	402	138768	139063
UN09682	Rsa1.0.01341.1	2402	47764	0	899	901	99 +	1502	2402	44618	45518
UN09683	Rsa1.0.00002.1	515	601661	4.00E-64	134	137	97 +	15	151	242456	242592
UN09684	Rsa1.0.00223.1	856	106231	0	735	746	98 -	113	856	11528	12273
UN09685	Rsa1.0.02039.1	1190	35699	0	1161	1193	97 +	1	1174	19033	20224
UN09686	Rsa1.0.38361.1	877	587	0	437	437	100 -	370	806	1	437
UN09687	Rsa1.0.00480.1	738	81325	1.00E-159	288	289	99 +	3	291	619	907
UN09688	Rsa1.0.02105.1	1059	156953	0	367	367	100 -	270	636	149700	150066
UN09689	Rsa1.0.00816.1	811	403350	0	364	368	98 -	428	795	267878	268245
UN09690	Rsa1.0.00382.1	1118	251946	0	499	504	99 +	1	503	172844	173347
UN09691	Rsa1.0.00741.1	1195	66117	1.00E-164	351	371	94 -	832	1187	52571	52938
UN09692	Rsa1.0.01006.1	661	163670	1.00E-156	288	291	98 -	174	464	138108	138398
UN09693	Rsa1.0.03433.1	1116	22966	0	631	647	97 -	3	649	11809	12446
UN09694	Rsa1.0.07429.1	1087	9411	0	505	505	100 +	157	661	7	511
UN09695	Rsa1.0.00003.1	2113	340054	0	686	706	97 +	5	710	8264	8966
UN09696	Rsa1.0.01080.1	1177	54752	0	553	557	99 -	610	1166	7919	8475
UN09697	Rsa1.0.00322.1	1740	212233	0	487	491	99 -	1248	1738	4310	4800
UN09698	Rsa1.0.00577.1	1508	174827	0	353	353	100 -	1	353	148897	149249
UN09699	Rsa1.0.00186.1	1550	112669	0	1251	1259	99 +	292	1550	106712	107970
UN09700	Rsa1.0.01036.1	540	55978	1.00E-125	255	262	97 -	281	540	26497	26757
UN09701	Rsa1.0.08848.1	455	6865	1.00E-106	195	195	100 -	1	195	1	195
UN09702	Rsa1.0.01845.1	967	38415	1.00E-114	216	218	99 -	320	537	36772	36989
UN09703	Rsa1.0.00425.1	816	147080	0	395	396	99 +	421	816	17416	17811
UN09704	Rsa1.0.00159.1	971	431686	1.00E-173	317	320	99 -	222	541	268820	269139
UN09705	Rsa1.0.02180.1	933	34176	0	442	460	96 -	1	460	27171	27626
UN09706	Rsa1.0.00031.1	803	179862	1.00E-160	306	313	97 +	1	313	129331	129637
UN09707	Rsa1.0.01023.1	870	56571	0	853	866	98 -	3	868	49493	50352
UN09708	Rsa1.0.01875.1	659	37849	1.00E-179	342	350	97 +	310	659	25024	25373
UN09709	Rsa1.0.00056.1	1134	332604	0	1130	1132	99 -	2	1132	73652	74783

UN09710	Rsa1.0.00121.1	670	278029	1.00E-106	297	325	91 +	342	662	54300	54615
UN09711	Rsa1.0.00451.1	1344	322533	1.00E-171	336	345	97 -	998	1342	283341	283684
UN09712	Rsa1.0.00990.1	1148	57445	0	1143	1149	99 +	1	1148	38652	39798
UN09713	Rsa1.0.00108.1	1663	478491	0	879	879	100 +	783	1661	460044	460922
UN09714	Rsa1.0.04254.1	698	18258	1.00E-113	258	270	95 -	433	698	5139	5406
UN09715	Rsa1.0.16553.1	418	2115	2.00E-80	161	164	98 -	176	339	106	269
UN09716	Rsa1.0.11859.1	1205	5389	0	573	573	100 -	630	1202	4393	4965
UN09717	Rsa1.0.00044.1	810	271658	1.00E-178	316	316	100 -	361	676	13553	13868
UN09718	Rsa1.0.00608.1	1052	172672	0	733	792	92 +	244	1010	3169	3956
UN09719	Rsa1.0.00490.1	849	186713	1.00E-139	313	331	94 -	6	335	153661	153985
UN09720	Rsa1.0.51905.1	707	438	1.00E-112	212	214	99 -	492	705	225	438
UN09721	Rsa1.0.00571.1	756	329018	1.00E-151	301	310	97 +	3	310	158790	159099
UN09722	Rsa1.0.00097.1	858	138858	1.00E-179	382	400	95 +	468	858	54312	54710
UN09723	Rsa1.0.00127.1	1568	127446	1.00E-160	391	424	92 +	1147	1567	21412	21828
UN09724	Rsa1.0.00492.1	1191	80178	1.00E-118	261	278	93 +	7	273	69385	69662
UN09725	Rsa1.0.02215.1	1350	33822	0	391	401	97 +	1	399	8395	8795
UN09726	Rsa1.0.00961.1	997	58185	0	594	609	97 +	135	743	1047	1655
UN09727	Rsa1.0.00066.1	472	152418	9.00E-68	134	135	99 -	123	257	140160	140294
UN09728	Rsa1.0.03795.1	1116	20818	1.00E-103	203	207	98 +	470	676	14751	14957
UN09729	Rsa1.0.00198.1	894	222963	0	595	599	99 -	296	894	176266	176864
UN09730	Rsa1.0.01005.1	822	56967	0	470	483	97 -	1	483	39743	40224
UN09731	Rsa1.0.00394.1	1275	148426	0	478	491	97 +	751	1238	67486	67976
UN09732	Rsa1.0.37428.1	1164	602	0	525	550	95 +	1	545	6	554
UN09733	Rsa1.0.00014.1	1014	348985	1.00E-142	341	362	94 +	659	1014	323900	324259
UN09734	Rsa1.0.02586.1	771	29856	0	686	716	95 +	56	771	15528	16236
UN09735	Rsa1.0.00699.1	855	184398	0	474	477	99 -	358	834	121669	122145
UN09736	Rsa1.0.00425.1	1031	147080	0	622	669	92 +	18	664	125711	126375
UN09737	Rsa1.0.03681.1	1795	21405	0	1280	1307	97 -	424	1728	664	1965
UN09738	Rsa1.0.08947.1	444	6761	0	380	386	98 +	4	389	5535	5920
UN09739	Rsa1.0.00863.1	1025	254535	1.00E-162	290	290	100 -	728	1017	239512	239801
UN09740	Rsa1.0.00525.1	2274	78030	0	1023	1024	99 -	1250	2273	47680	48703
UN09741	Rsa1.0.01046.1	980	152989	1.00E-170	306	307	99 +	489	795	128362	128668
UN09742	Rsa1.0.00168.1	1124	115870	1.00E-179	376	395	95 +	730	1124	31046	31440
UN09743	Rsa1.0.02609.1	1218	29600	0	439	473	92 -	1	458	21111	21581
UN09744	Rsa1.0.00113.1	892	131574	0	383	391	97 -	2	392	72531	72920
UN09745	Rsa1.0.01581.1	674	42833	1.00E-165	300	302	99 +	84	385	7614	7915
UN09746	Rsa1.0.01549.1	1182	43543	0	692	705	98 -	478	1182	341	1042
UN09747	Rsa1.0.00120.1	1206	277288	1.00E-131	269	276	97 +	1	273	92236	92509
UN09748	Rsa1.0.01705.1	1079	40710	0	344	347	99 -	1	347	38579	38924

UN09749	Rsa1.0.02085.1	1282	35198	0	1247	1293	96 +	3	1282	27913	29201
UN09750	Rsa1.0.00389.1	713	88795	1.00E-145	261	261	100 +	2	262	40534	40794
UN09751	Rsa1.0.07066.1	1503	9954	1.00E-161	327	340	96 +	2	341	5833	6161
UN09752	Rsa1.0.00048.1	1479	167185	2.33E-156	267	268	99 -	3	270	154401	154668
UN09753	Rsa1.0.01895.1	1138	37512	1.00E-105	266	288	92 -	3	290	34522	34794
UN09754	Rsa1.0.00065.1	1029	454616	1.00E-112	306	336	91 +	704	1027	438582	438914
UN09755	Rsa1.0.01926.1	1070	37206	0	601	613	98 +	71	683	13122	13734
UN09756	Rsa1.0.00198.1	1182	222963	0	573	576	99 +	607	1182	35760	36335
UN09757	Rsa1.0.01292.1	850	175783	0	626	653	95 -	146	795	144715	145360
UN09758	Rsa1.0.20013.1	961	1352	1.00E-116	213	213	100 -	746	958	294	506
UN09759	Rsa1.0.00031.1	1127	179862	0	637	639	99 +	1	639	43037	43675
UN09760	Rsa1.0.00133.1	1153	123768	1.00E-136	271	279	97 +	468	746	9256	9534
UN09761	Rsa1.0.01930.1	706	37189	0	638	645	98 -	3	643	1141	1785
UN09762	Rsa1.0.52720.1	963	432	0	430	432	99 +	112	543	1	432
UN09763	Rsa1.0.03205.1	1531	24614	0	438	439	99 +	1	439	1618	2056
UN09764	Rsa1.0.00005.1	861	353093	0	833	859	96 +	3	860	288477	289330
UN09765	Rsa1.0.01196.1	1179	51097	1.00E-150	306	317	96 -	1	317	40985	41294
UN09766	Rsa1.0.03599.1	1045	21857	0	585	593	98 -	2	594	2346	2938
UN09767	Rsa1.0.00686.1	841	68511	0	458	468	97 +	35	502	26807	27271
UN09768	Rsa1.0.00008.1	1075	358124	1.00E-111	230	237	97 +	569	804	321744	321980
UN09769	Rsa1.0.02825.1	1430	27568	0	1393	1405	99 -	1	1405	16906	18309
UN09770	Rsa1.0.00239.1	1126	104332	0	455	457	99 -	261	717	97669	98125
UN09771	Rsa1.0.00026.1	986	327835	0	451	472	95 -	484	952	240917	241382
UN09772	Rsa1.0.02753.1	674	28215	0	637	681	93 +	1	672	8063	8731
UN09773	Rsa1.0.03311.1	1231	23850	1.00E-129	253	259	97 +	4	262	17488	17746
UN09774	Rsa1.0.08518.1	1858	7244	0	574	599	95 +	1125	1723	5069	5659
UN09775	Rsa1.0.06936.1	1547	10143	0	866	908	95 +	643	1546	1	906
UN09776	Rsa1.0.04353.1	696	138437	1.00E-107	209	213	98 +	480	692	132600	132812
UN09777	Rsa1.0.00943.1	925	58862	0	569	575	98 -	351	925	6507	7081
UN09778	Rsa1.0.02969.1	1794	26390	1.00E-179	318	318	100 -	1477	1794	10032	10349
UN09779	Rsa1.0.03427.1	1520	22992	0	1190	1206	98 +	2	1204	21787	22992
UN09780	Rsa1.0.04404.1	830	17510	0	680	687	98 +	143	828	9475	10161
UN09781	Rsa1.0.03009.1	764	26065	0	357	357	100 -	402	758	2650	3006
UN09782	Rsa1.0.02314.1	1055	32642	0	528	540	97 -	515	1054	4774	5305
UN09783	Rsa1.0.10577.1	1696	5796	0	492	502	98 +	1195	1696	535	1035
UN09784	Rsa1.0.01819.1	672	38834	2.00E-38	82	82	100 +	1	82	19030	19111
UN09785	Rsa1.0.03869.1	725	20365	0	515	529	97 +	198	725	4022	4550
UN09786	Rsa1.0.00595.1	1253	341648	1.00E-137	257	260	98 -	407	666	142866	143125
UN09787	Rsa1.0.14183.1	2430	132309	0	1165	1166	99 -	305	1470	1395	2560

UN09788	Rsa1.0.06185.1	956	11540	0	410	436	94 +	182	617	3892	4327
UN09789	Rsa1.0.01529.1	1010	43871	0	400	408	98 +	30	437	11420	11821
UN09790	Rsa1.0.01175.1	734	51674	1.00E-154	338	352	96 -	387	734	35951	36301
UN09791	Rsa1.0.00026.1	566	327835	7.00E-78	151	152	99 +	127	278	207342	207493
UN09792	Rsa1.0.01655.1	768	41508	0	330	330	100 -	438	767	6891	7220
UN09793	Rsa1.0.01016.1	833	181422	0	517	524	98 -	1	523	27020	27541
UN09794	Rsa1.0.02774.1	766	28038	0	749	766	97 +	1	764	13384	14147
UN09795	Rsa1.0.00663.1	1084	164969	0	590	591	99 -	492	1082	120771	121360
UN09796	Rsa1.0.00340.1	1515	305782	1.00E-120	248	257	96 +	3	256	188899	189155
UN09797	Rsa1.0.05593.1	1618	13235	0	749	751	99 +	87	836	1140	1890
UN09798	Rsa1.0.00425.1	1136	147080	0	388	389	99 -	3	390	121247	121635
UN09799	Rsa1.0.00017.1	1192	752458	1.00E-108	225	232	96 -	924	1155	1810	2040
UN09800	Rsa1.0.06054.1	774	11847	0	400	400	100 +	351	750	1351	1750
UN09801	Rsa1.0.14535.1	627	3289	0	600	613	97 +	15	627	477	1089
UN09802	Rsa1.0.00336.1	581	445051	1.00E-125	288	309	93 +	1	309	150272	150562
UN09803	Rsa1.0.02404.1	852	31702	0	413	418	98 -	299	716	907	1324
UN09804	Rsa1.0.01402.1	771	46509	0	367	378	97 -	101	478	6199	6576
UN09805	Rsa1.0.01158.1	1436	52121	0	609	615	99 -	268	882	31439	32053
UN09806	Rsa1.0.00870.1	762	61606	1.00E-151	272	272	100 +	3	274	24795	25066
UN09807	Rsa1.0.26775.1	514	878	1.00E-153	278	279	99 +	1	279	600	878
UN09808	Rsa1.0.00632.1	826	183777	0	442	458	96 +	375	824	37301	37758
UN09809	Rsa1.0.00646.1	1153	70473	0	899	928	96 -	63	990	4449	5375
UN09810	Rsa1.0.06382.1	1321	11121	3.00E-45	100	102	98 +	993	1094	10909	11010
UN09811	Rsa1.0.00128.1	1337	228675	0	709	725	97 -	544	1266	154949	155671
UN09812	Rsa1.0.01292.1	673	175783	0	481	482	99 +	4	485	152615	153096
UN09813	Rsa1.0.00153.1	1140	192931	1.00E-122	233	235	99 -	905	1138	168976	169210
UN09814	Rsa1.0.06275.1	711	11342	0	707	709	99 +	3	711	3859	4565
UN09815	Rsa1.0.00952.1	691	58450	0	329	330	99 +	2	331	41887	42216
UN09816	Rsa1.0.00331.1	561	176754	1.00E-162	359	381	94 +	182	561	159068	159442
UN09817	Rsa1.0.01539.1	623	43698	1.00E-135	244	244	100 -	3	246	6459	6702
UN09818	Rsa1.0.00171.1	728	115622	0	362	371	97 +	355	725	52232	52602
UN09819	Rsa1.0.01101.1	1486	54031	0	696	719	96 -	415	1132	14928	15645
UN09820	Rsa1.0.03081.1	750	25523	1.00E-159	356	376	94 +	384	750	22991	23361
UN09821	Rsa1.0.05379.1	1333	13968	0	824	837	98 +	495	1331	8413	9247
UN09822	Rsa1.0.03381.1	812	23306	0	672	675	99 -	136	810	15740	16412
UN09823	Rsa1.0.01179.1	714	51549	0	709	713	99 -	3	713	42457	43169
UN09824	Rsa1.0.02979.1	1449	26298	0	934	946	98 -	504	1449	13517	14462
UN09825	Rsa1.0.00107.1	711	431659	1.00E-144	265	267	99 +	8	274	82089	82355
UN09826	Rsa1.0.02057.1	790	35540	1.00E-120	256	270	94 -	531	789	22288	22557

UN09827	Rsa1.0.00037.1	1289	307838	1.00E-145	286	294	97 +	516	809	305123	305416
UN09828	Rsa1.0.28844.1	902	801	0	647	659	98 +	243	901	1	659
UN09829	Rsa1.0.04223.1	1300	18407	1.00E-115	273	290	94 -	1004	1293	9537	9816
UN09830	Rsa1.0.02001.1	932	36198	0	578	609	94 +	333	932	31940	32544
UN09831	Rsa1.0.00251.1	1360	303968	0	534	588	90 -	799	1360	83651	84232
UN09832	Rsa1.0.03869.1	778	20365	0	558	589	94 -	1	573	4022	4610
UN09833	Rsa1.0.00192.1	1012	278200	0	652	685	95 +	328	1012	25299	25966
UN09834	Rsa1.0.05273.1	1442	14304	1.00E-144	267	268	99 +	1	267	13724	13991
UN09835	Rsa1.0.00589.1	892	209965	1.00E-153	361	384	94 +	2	381	179877	180257
UN09836	Rsa1.0.01168.1	507	153765	3.00E-52	114	117	97 -	34	150	24410	24526
UN09837	Rsa1.0.02607.1	1772	29629	0	366	366	100 -	19	384	9268	9633
UN09838	Rsa1.0.03448.1	660	22844	1.00E-117	298	323	92 +	321	634	1239	1559
UN09839	Rsa1.0.02020.1	757	173211	1.00E-128	252	256	98 +	501	755	21498	21751
UN09840	Rsa1.0.08622.1	842	7122	0	433	435	99 +	408	842	5862	6295
UN09841	Rsa1.0.03694.1	1133	21336	0	828	864	95 +	288	1132	358	1221
UN09842	Rsa1.0.06694.1	1092	10526	0	815	820	99 +	1	819	3918	4737
UN09843	Rsa1.0.00949.1	754	58549	0	743	751	98 +	3	753	54271	55021
UN09844	Rsa1.0.00130.1	1540	125737	0	561	567	98 +	963	1527	117675	118240
UN09845	Rsa1.0.01172.1	1281	51734	1.00E-167	307	310	99 -	3	312	51035	51344
UN09846	Rsa1.0.00668.1	1398	69421	7.00E-77	210	229	91 +	932	1157	54729	54951
UN09847	Rsa1.0.01861.1	956	38031	1.00E-170	345	359	96 +	293	651	32331	32689
UN09848	Rsa1.0.00635.1	743	175826	1.00E-167	311	314	99 +	430	743	15994	16306
UN09849	Rsa1.0.00005.1	1348	353093	0	348	348	100 +	1000	1347	130794	131141
UN09850	Rsa1.0.02180.1	917	34176	0	532	539	98 +	381	917	17424	17962
UN09851	Rsa1.0.00208.1	1012	108565	1.00E-111	240	248	96 -	766	1012	7723	7968
UN09852	Rsa1.0.00913.1	1282	59914	0	426	438	97 +	1	436	19782	20210
UN09853	Rsa1.0.02648.1	721	29073	0	344	347	99 -	1	345	12514	12859
UN09854	Rsa1.0.03401.1	529	23191	0	525	528	99 -	3	529	15968	16493
UN09855	Rsa1.0.00238.1	945	193193	0	534	543	98 +	3	544	192085	192627
UN09856	Rsa1.0.04319.1	1475	17944	0	515	534	96 +	942	1475	16581	17113
UN09857	Rsa1.0.03581.1	2580	21965	0	1456	1457	99 +	452	1908	1	1457
UN09858	Rsa1.0.00910.1	677	59975	0	540	578	93 +	81	647	30391	30964
UN09859	Rsa1.0.00266.1	1297	163932	0	1279	1294	98 +	3	1295	109372	110665
UN09860	Rsa1.0.00144.1	1347	120708	0	1018	1041	97 -	307	1347	47301	48338
UN09861	Rsa1.0.02939.1	1249	26595	0	523	551	94 -	1	551	18298	18839
UN09862	Rsa1.0.00017.1	1192	752458	0	981	1044	93 -	149	1192	71068	72111
UN09863	Rsa1.0.01651.1	1019	41586	1.00E-163	294	295	99 -	9	303	30453	30747
UN09864	Rsa1.0.00326.1	1372	171955	0	401	411	97 +	23	432	66179	66589
UN09865	Rsa1.0.01749.1	948	39822	0	376	391	96 +	25	412	32662	33052

UN09866	Rsa1.0.03089.1	959	25465	0	490	497	98 -	1	497	8730	9225
UN09867	Rsa1.0.01171.1	1075	51752	1.00E-147	354	378	93 -	1	371	50943	51315
UN09868	Rsa1.0.00523.1	1526	178770	0	360	370	97 -	1	369	144517	144886
UN09869	Rsa1.0.00421.1	589	86365	1.00E-61	156	165	94 -	245	408	33753	33916
UN09870	Rsa1.0.04086.1	1702	19166	0	1206	1226	98 -	2	1227	11442	12667
UN09871	Rsa1.0.00055.1	1109	520193	0	760	764	99 +	3	766	64614	65377
UN09872	Rsa1.0.01129.1	1401	52949	0	470	472	99 +	575	1046	15750	16220
UN09873	Rsa1.0.03722.1	906	21184	1.00E-148	314	329	95 -	34	359	20756	21084
UN09874	Rsa1.0.00467.1	845	156542	1.00E-176	386	407	94 -	445	845	80113	80514
UN09875	Rsa1.0.07440.1	1247	9389	0	1165	1207	96 +	3	1208	4133	5339
UN09876	Rsa1.0.00330.1	837	94666	1.00E-171	305	305	100 -	533	837	42444	42748
UN09877	Rsa1.0.05510.1	835	13470	1.00E-124	247	253	97 +	581	833	12012	12262
UN09878	Rsa1.0.05365.1	1144	14040	0	582	582	100 -	1	582	11967	12548
UN09879	Rsa1.0.09775.1	914	6156	0	420	424	99 +	3	423	4670	5093
UN09880	Rsa1.0.01595.1	804	175383	3.00E-87	176	180	97 -	81	260	5166	5345
UN09881	Rsa1.0.02750.1	1027	28239	1.00E-93	188	191	98 -	714	904	22935	23124
UN09882	Rsa1.0.05668.1	1007	12994	0	381	382	99 +	624	1005	12064	12445
UN09883	Rsa1.0.05570.1	997	13301	0	997	997	100 -	1	997	10562	11558
UN09884	Rsa1.0.00031.1	617	179862	1.00E-176	316	317	99 +	1	317	73500	73816
UN09885	Rsa1.0.00017.1	1797	752458	0	384	385	99 -	1413	1797	661834	662218
UN09886	Rsa1.0.01724.1	1365	40292	0	418	419	99 +	947	1365	37306	37724
UN09887	Rsa1.0.01327.1	1199	48033	1.00E-130	267	276	96 +	6	281	14703	14977
UN09888	Rsa1.0.03347.1	761	23588	1.00E-125	255	261	97 +	36	295	20326	20582
UN09889	Rsa1.0.01465.1	1244	45175	0	966	1037	93 +	219	1243	28909	29925
UN09890	Rsa1.0.00112.1	1533	132199	1.00E-160	358	376	95 +	1160	1529	12848	13221
UN09891	Rsa1.0.00546.1	1005	76523	1.00E-117	227	231	98 -	724	954	73168	73398
UN09892	Rsa1.0.04098.1	977	19078	1.00E-132	311	329	94 -	3	328	10291	10614
UN09893	Rsa1.0.00122.1	1473	265937	0	442	471	93 +	32	489	247401	247866
UN09894	Rsa1.0.00078.1	922	175053	0	387	392	98 -	2	390	137160	137551
UN09895	Rsa1.0.10587.1	762	5794	0	443	446	99 +	317	762	234	678
UN09896	Rsa1.0.03395.1	1245	23243	0	402	414	97 +	827	1240	21042	21453
UN09897	Rsa1.0.00656.1	859	69968	0	492	493	99 -	1	493	39109	39601
UN09898	Rsa1.0.00224.1	1026	327530	1.00E-139	340	365	93 +	4	363	228452	228815
UN09899	Rsa1.0.00710.1	559	67325	1.00E-168	324	330	98 +	1	329	65793	66119
UN09900	Rsa1.0.21831.1	899	1169	1.00E-119	230	233	98 +	208	438	793	1025
UN09901	Rsa1.0.04005.1	1573	19586	0	840	843	99 -	731	1573	2113	2955
UN09902	Rsa1.0.00240.1	1108	104175	0	365	370	98 -	4	373	45959	46327
UN09903	Rsa1.0.01976.1	926	36570	1.00E-175	320	322	99 -	605	926	25270	25589
UN09904	Rsa1.0.01997.1	702	158416	3.00E-62	163	177	92 +	4	169	7959	8135

UN09905	Rsa1.0.01536.1	811	43747	1.00E-157	319	330	96 +	410	739	28390	28718
UN09906	Rsa1.0.00678.1	1138	193163	0	1094	1133	96 +	4	1136	155003	156130
UN09907	Rsa1.0.00056.1	843	332604	0	389	391	99 +	451	841	206057	206446
UN09908	Rsa1.0.00328.1	1045	224661	0	575	575	100 +	471	1045	207122	207696
UN09909	Rsa1.0.06382.1	605	11121	1.00E-160	286	286	100 -	1	286	10119	10404
UN09910	Rsa1.0.02794.1	2088	27820	0	1409	1433	98 -	671	2088	25524	26956
UN09911	Rsa1.0.02872.1	742	27080	1.00E-128	236	237	99 -	504	740	25658	25894
UN09912	Rsa1.0.09875.1	802	6109	1.00E-141	272	278	97 -	523	800	5095	5372
UN09913	Rsa1.0.00108.1	1286	478491	0	454	480	94 -	7	472	91768	92247
UN09914	Rsa1.0.02950.1	938	26506	1.00E-136	271	279	97 -	284	562	6575	6853
UN09915	Rsa1.0.01963.1	1001	36719	0	440	467	94 -	296	761	19722	20188
UN09916	Rsa1.0.00707.1	707	190112	1.00E-95	212	223	95 -	34	252	16479	16701
UN09917	Rsa1.0.02750.1	955	28239	1.00E-140	253	253	100 +	2	254	22872	23124
UN09918	Rsa1.0.00055.1	1481	520193	1.00E-129	241	243	99 -	621	863	334867	335109
UN09919	Rsa1.0.20105.1	1084	1340	0	461	487	94 -	1	484	457	931
UN09920	Rsa1.0.21673.1	752	1183	1.00E-43	415	514	80 -	239	737	280	780
UN09921	Rsa1.0.00121.1	669	278029	1.00E-118	299	326	91 +	336	659	54300	54615
UN09922	Rsa1.0.00925.1	1042	59481	0	450	459	98 -	7	464	13819	14277
UN09923	Rsa1.0.00480.1	813	81325	0	376	383	98 -	430	811	3549	3931
UN09924	Rsa1.0.01389.1	1054	46716	0	391	393	99 +	4	396	9773	10165
UN09925	Rsa1.0.00012.1	1034	222148	0	525	535	98 -	500	1034	54569	55103
UN09926	Rsa1.0.00604.1	696	146282	0	455	471	96 +	226	696	16045	16511
UN09927	Rsa1.0.03842.1	848	20503	0	428	447	95 -	1	445	17620	18056
UN09928	Rsa1.0.07536.1	919	9178	0	404	406	99 +	1	406	6488	6893
UN09929	Rsa1.0.01119.1	725	53459	0	479	489	97 -	3	491	1103	1591
UN09930	Rsa1.0.00139.1	585	357786	0	451	453	99 +	1	453	16916	17368
UN09931	Rsa1.0.02362.1	1362	32190	0	392	402	97 -	4	403	5146	5544
UN09932	Rsa1.0.26477.1	581	890	3.00E-80	245	280	87 +	283	558	1	262
UN09933	Rsa1.0.00863.1	1150	254535	0	680	691	98 +	3	693	209202	209892
UN09934	Rsa1.0.01263.1	534	49703	1.00E-159	285	285	100 +	249	533	40157	40441
UN09935	Rsa1.0.02748.1	2067	28242	0	1308	1334	98 -	4	1335	15482	16815
UN09936	Rsa1.0.00397.1	814	88189	6.00E-73	161	168	95 -	645	812	64276	64443
UN09937	Rsa1.0.04510.1	901	17033	1.00E-157	347	367	94 -	5	361	12403	12769
UN09938	Rsa1.0.00294.1	762	144860	1.00E-153	307	318	96 -	66	383	116969	117286
UN09939	Rsa1.0.00227.1	836	105849	0	833	833	100 -	2	834	77950	78782
UN09940	Rsa1.0.00036.1	1039	176186	0	1017	1040	97 +	1	1039	112138	113174
UN09941	Rsa1.0.04961.1	903	15316	0	507	517	98 -	2	517	10674	11190
UN09942	Rsa1.0.00069.1	999	403561	1.00E-147	273	276	98 -	117	392	179274	179549
UN09943	Rsa1.0.02349.1	1021	32312	0	454	466	97 -	1	463	26844	27303

UN09944	Rsa1.0.00019.1	992	301669	0	661	670	98 +	323	992	273565	274234
UN09945	Rsa1.0.00500.1	479	272308	1.00E-124	245	251	97 -	98	348	102407	102654
UN09946	Rsa1.0.00033.1	716	515811	1.00E-143	257	257	100 -	458	714	33602	33858
UN09947	Rsa1.0.00454.1	822	216970	0	805	822	97 +	3	822	158096	158915
UN09948	Rsa1.0.01410.1	650	46345	1.00E-172	310	311	99 +	66	376	14359	14669
UN09949	Rsa1.0.00585.1	1070	74164	0	386	386	100 +	685	1070	59736	60121
UN09950	Rsa1.0.26314.1	886	897	0	412	430	95 +	11	438	109	537
UN09951	Rsa1.0.04641.1	1202	268012	1.00E-178	332	337	98 -	665	1001	260501	260837
UN09952	Rsa1.0.40008.1	990	562	0	344	350	98 +	340	689	1	350
UN09953	Rsa1.0.06500.1	736	10887	0	588	596	98 +	6	601	6670	7265
UN09954	Rsa1.0.02982.1	2431	26270	0	1602	1607	99 +	3	1609	8888	10494
UN09955	Rsa1.0.07440.1	590	9389	1.00E-178	332	336	98 -	3	337	6268	6603
UN09956	Rsa1.0.00589.1	1170	209965	1.00E-155	278	278	100 +	472	749	197377	197654
UN09957	Rsa1.0.18906.1	1178	1514	0	375	381	98 -	771	1151	58	438
UN09958	Rsa1.0.03656.1	784	21552	0	422	430	98 +	3	432	1446	1871
UN09959	Rsa1.0.00294.1	2238	144860	0	560	588	95 +	551	1136	60107	60694
UN09960	Rsa1.0.00437.1	1381	84879	0	840	849	98 +	534	1381	62710	63556
UN09961	Rsa1.0.00642.1	2293	201230	0	683	686	99 -	1609	2293	195794	196479
UN09962	Rsa1.0.00250.1	1320	273771	1.00E-154	362	385	94 +	925	1307	230593	230971
UN09963	Rsa1.0.00322.1	811	212233	1.00E-162	290	290	100 -	233	522	206966	207255
UN09964	Rsa1.0.00143.1	1446	121313	0	1394	1452	96 -	5	1446	32757	34188
UN09965	Rsa1.0.00926.1	926	195072	0	850	865	98 +	63	925	890	1754
UN09966	Rsa1.0.02252.1	797	33375	0	489	522	93 +	106	627	27494	27999
UN09967	Rsa1.0.02584.1	778	29877	0	376	388	96 +	391	778	806	1189
UN09968	Rsa1.0.00380.1	545	89748	1.00E-106	233	242	96 +	304	543	8474	8712
UN09969	Rsa1.0.06155.1	1267	11609	1.00E-126	232	233	99 -	1	233	10248	10480
UN09970	Rsa1.0.01743.1	837	39926	0	420	451	93 +	3	440	6763	7212
UN09971	Rsa1.0.62053.1	539	369	6.00E-63	123	123	100 +	379	501	215	337
UN09972	Rsa1.0.00646.1	925	70473	7.00E-73	257	294	87 -	648	923	5972	6254
UN09973	Rsa1.0.01135.1	843	52799	0	565	588	96 -	258	840	41650	42235
UN09974	Rsa1.0.00727.1	784	66724	0	736	780	94 +	3	769	44953	45714
UN09975	Rsa1.0.01883.1	1352	37661	0	738	755	97 -	511	1265	35516	36270
UN09976	Rsa1.0.02813.1	617	27656	0	490	492	99 +	123	614	25679	26170
UN09977	Rsa1.0.04073.1	771	19238	1.00E-108	214	219	97 -	1	219	13359	13577
UN09978	Rsa1.0.08562.1	538	7193	3.00E-92	181	184	98 +	40	223	3771	3954
UN09979	Rsa1.0.00017.1	1841	752458	0	1076	1145	93 -	543	1687	70609	71753
UN09980	Rsa1.0.18568.1	960	1573	1.00E-138	277	286	96 +	3	288	623	908
UN09981	Rsa1.0.01716.1	776	40483	1.00E-163	332	345	96 +	4	345	17530	17868
UN09982	Rsa1.0.00285.1	566	149638	1.00E-162	293	294	99 +	273	566	71820	72113

UN09983	Rsa1.0.00580.1	1324	74515	0	722	836	86 -	182	1011	54379	55208
UN09984	Rsa1.0.01913.1	769	37363	1.00E-160	315	323	97 +	448	769	27662	27984
UN09985	Rsa1.0.11068.1	1464	5627	0	445	447	99 +	362	808	5174	5620
UN09986	Rsa1.0.00045.1	1252	328694	0	1196	1199	99 +	54	1252	45322	46520
UN09987	Rsa1.0.00470.1	724	81968	1.00E-178	411	439	93 -	288	724	27934	28369
UN09988	Rsa1.0.01384.1	764	46803	1.00E-175	366	378	96 -	1	374	41768	42142
UN09989	Rsa1.0.00502.1	1106	204180	1.00E-153	284	287	98 +	1	287	20714	21000
UN09990	Rsa1.0.02717.1	961	28458	1.00E-131	289	303	95 +	1	303	19174	19465
UN09991	Rsa1.0.00135.1	640	178077	1.00E-133	262	268	97 -	243	508	3040	3307
UN09992	Rsa1.0.05559.1	1425	13329	0	561	563	99 -	2	564	1716	2278
UN09993	Rsa1.0.00287.1	757	98687	1.00E-159	287	288	99 +	1	288	12801	13088
UN09994	Rsa1.0.00686.1	837	68511	0	497	497	100 +	3	499	26775	27271
UN09995	Rsa1.0.00237.1	1169	235974	0	809	809	100 +	1	809	188234	189042
UN09996	Rsa1.0.01086.1	797	54509	0	762	817	93 -	3	795	36460	37269
UN09997	Rsa1.0.19197.1	803	1466	1.00E-124	241	246	97 +	3	248	1104	1349
UN09998	Rsa1.0.00394.1	901	148426	1.00E-119	347	386	89 -	533	900	105856	106241
UN09999	Rsa1.0.16597.1	666	2098	1.00E-162	328	340	96 -	186	518	1416	1755
UN10000	Rsa1.0.00118.1	1421	130637	0	576	598	96 +	3	600	28806	29403
UN10001	Rsa1.0.03944.1	1239	19926	0	463	463	100 -	776	1238	10167	10629
UN10002	Rsa1.0.02411.1	1563	31655	0	819	838	97 +	307	1144	27638	28475
UN10003	Rsa1.0.01544.1	924	185602	0	376	383	98 -	3	385	9690	10069
UN10004	Rsa1.0.00226.1	925	105884	0	574	575	99 -	351	925	97447	98021
UN10005	Rsa1.0.03410.1	804	23147	0	613	667	91 +	155	804	10247	10905
UN10006	Rsa1.0.00550.1	846	210790	0	350	354	98 -	44	397	60958	61311
UN10007	Rsa1.0.04235.1	874	18373	0	854	875	97 -	1	874	16330	17193
UN10008	Rsa1.0.17272.1	966	1874	0	469	475	98 -	1	475	1	475
UN10009	Rsa1.0.02282.1	1043	163951	1.00E-113	436	507	85 -	28	524	150175	150666
UN10010	Rsa1.0.04027.1	514	19501	1.00E-158	289	291	99 +	223	513	6649	6939
UN10011	Rsa1.0.00803.1	1292	144228	0	389	389	100 -	612	1000	52682	53070
UN10012	Rsa1.0.00180.1	1703	114581	1.00E-154	350	372	94 +	493	864	14427	14795
UN10013	Rsa1.0.03487.1	1033	22564	0	495	495	100 +	539	1033	10540	11034
UN10014	Rsa1.0.00092.1	750	659932	0	480	490	97 -	261	750	242810	243295
UN10015	Rsa1.0.00666.1	1863	69505	0	1169	1170	99 +	3	1172	25947	27116
UN10016	Rsa1.0.06100.1	1503	11746	2.00E-92	173	173	100 -	280	452	1076	1248
UN10017	Rsa1.0.03738.1	629	21071	1.00E-165	314	319	98 +	312	629	6129	6447
UN10018	Rsa1.0.01798.1	1215	173909	0	1031	1053	97 -	1	1049	5150	6202
UN10019	Rsa1.0.01077.1	739	54772	0	571	598	95 +	99	690	21078	21673
UN10020	Rsa1.0.01958.1	969	261128	1.00E-153	352	376	93 -	608	968	119362	119737
UN10021	Rsa1.0.01920.1	1577	158533	0	469	492	95 +	1093	1577	128073	128554

UN10022	Rsa1.0.00145.1	1541	261008	3.00E-95	200	206	97 -	39	244	73241	73445
UN10023	Rsa1.0.17015.1	1172	1953	1.00E-112	265	281	94 -	2	278	874	1148
UN10024	Rsa1.0.28434.1	1236	815	0	420	439	95 +	800	1233	48	486
UN10025	Rsa1.0.00005.1	1282	353093	0	580	583	99 -	138	720	138648	139230
UN10026	Rsa1.0.09210.1	1115	6556	1.00E-180	335	340	98 -	99	438	650	989
UN10027	Rsa1.0.05948.1	1369	12142	0	342	347	98 -	415	761	4859	5205
UN10028	Rsa1.0.08598.1	1535	7143	1.00E-161	300	304	98 -	521	824	6199	6502
UN10029	Rsa1.0.01144.1	1216	52431	0	358	363	98 +	852	1214	42305	42667
UN10030	Rsa1.0.05622.1	1519	13145	0	570	583	97 -	1	576	3626	4206
UN10031	Rsa1.0.04323.1	1079	17915	1.00E-108	227	236	96 -	4	239	15646	15881
UN10032	Rsa1.0.00719.1	1178	66952	0	375	381	98 -	1	381	47331	47711
UN10033	Rsa1.0.00303.1	1660	97468	0	828	909	91 +	758	1660	44008	44900
UN10034	Rsa1.0.05228.1	1258	14437	0	398	415	95 -	846	1258	4899	5313
UN10035	Rsa1.0.00016.1	964	831256	1.00E-154	291	295	98 +	1	295	225483	225775
UN10036	Rsa1.0.06421.1	943	11053	1.00E-147	336	357	94 -	587	943	3887	4231
UN10037	Rsa1.0.01507.1	1627	44361	1.00E-137	252	253	99 -	569	821	26446	26698
UN10038	Rsa1.0.01539.1	1384	43698	0	676	693	97 +	704	1384	4616	5308
UN10039	Rsa1.0.00018.1	1929	410899	0	840	939	89 -	778	1707	144212	145134
UN10040	Rsa1.0.00010.1	1016	294827	0	667	718	92 -	301	1015	90136	90830
UN10041	Rsa1.0.00755.1	1454	192559	0	847	847	100 +	3	849	138020	138866
UN10042	Rsa1.0.00732.1	1263	66631	1.00E-111	208	209	99 -	339	547	4101	4309
UN10043	Rsa1.0.00529.1	983	77487	0	330	331	99 -	653	983	21764	22094
UN10044	Rsa1.0.02744.1	1180	28268	8.00E-92	365	430	84 +	751	1180	15581	15983
UN10045	Rsa1.0.01270.1	1509	49574	6.00E-87	179	184	97 -	1	184	18017	18200
UN10046	Rsa1.0.05947.1	1990	12142	0	1259	1328	94 +	675	1990	3191	4512
UN10047	Rsa1.0.01877.1	1046	37789	1.00E-153	278	279	99 +	768	1046	34868	35146
UN10048	Rsa1.0.00173.1	986	288743	1.00E-144	260	260	100 +	3	262	109113	109372
UN10049	Rsa1.0.05329.1	1193	14130	1.00E-133	302	321	94 +	273	592	2124	2429
UN10050	Rsa1.0.03294.1	1043	23971	0	503	508	99 +	460	967	16378	16885
UN10051	Rsa1.0.08516.1	1552	7245	1.00E-161	328	341	96 +	899	1239	891	1231
UN10052	Rsa1.0.03809.1	1173	20731	0	780	831	93 +	347	1172	19080	19907
UN10053	Rsa1.0.00335.1	454	94371	0	375	386	97 -	2	383	50290	50674
UN10054	Rsa1.0.26155.1	928	904	0	632	634	99 +	293	926	1	634
UN10055	Rsa1.0.03292.1	1313	23977	1.00E-161	306	312	98 +	1	312	4625	4936
UN10056	Rsa1.0.04772.1	1603	16040	0	468	501	93 -	1115	1602	13583	14079
UN10057	Rsa1.0.00223.1	1277	106231	0	663	669	99 -	1	669	69796	70464
UN10058	Rsa1.0.01004.1	2183	56975	0	984	992	99 +	2	993	49782	50773
UN10059	Rsa1.0.00270.1	2093	101236	0	1144	1157	98 +	3	1158	39775	40931
UN10060	Rsa1.0.00011.1	1459	225044	0	448	448	100 -	1011	1458	177239	177686

UN10061	Rsa1.0.00111.1	1333	390088	1.00E-161	405	431	93 -	915	1333	32713	33134
UN10062	Rsa1.0.02821.1	1519	27602	0	371	380	97 +	3	380	14874	15251
UN10063	Rsa1.0.00078.1	1040	175053	0	1037	1038	99 +	3	1040	3932	4969
UN10064	Rsa1.0.02914.1	516	26815	1.00E-155	340	358	94 +	3	358	26110	26467
UN10065	Rsa1.0.02928.1	1421	26680	0	788	795	99 +	1	794	15338	16132
UN10066	Rsa1.0.00143.1	960	121313	1.00E-164	309	313	98 +	648	960	87223	87534
UN10067	Rsa1.0.08285.1	1393	7606	0	553	563	98 +	491	1053	2625	3187
UN10068	Rsa1.0.00019.1	973	301669	0	490	498	98 -	478	972	26632	27129
UN10069	Rsa1.0.00059.1	1628	159650	0	1281	1337	95 -	301	1627	38598	39932
UN10070	Rsa1.0.02267.1	550	33194	0	473	494	95 +	65	547	11925	12416
UN10071	Rsa1.0.00466.1	1001	82132	0	739	740	99 -	262	1001	23507	24246
UN10072	Rsa1.0.08259.1	1126	7641	1.00E-140	336	364	92 -	3	351	3089	3451
UN10073	Rsa1.0.00911.1	1081	59943	0	1045	1084	96 -	3	1081	56159	57234
UN10074	Rsa1.0.00171.1	834	115622	1.00E-123	269	279	96 +	48	324	41358	41632
UN10075	Rsa1.0.11285.1	1156	5556	0	385	395	97 +	761	1155	3883	4277
UN10076	Rsa1.0.01033.1	990	56173	0	606	620	97 -	369	988	48472	49090
UN10077	Rsa1.0.03606.1	933	21818	1.00E-165	306	309	99 -	3	309	1339	1647
UN10078	Rsa1.0.16774.1	755	2038	1.00E-137	259	263	98 +	132	394	1396	1658
UN10079	Rsa1.0.00492.1	1278	80178	0	669	679	98 -	3	681	23202	23880
UN10080	Rsa1.0.09091.1	1212	6656	0	363	366	99 -	810	1174	3746	4111
UN10081	Rsa1.0.00269.1	1333	341668	0	542	542	100 +	317	858	189849	190390
UN10082	Rsa1.0.00735.1	1457	66503	0	596	597	99 +	860	1456	4823	5419
UN10083	Rsa1.0.00058.1	1353	159921	1.00E-139	349	376	92 +	965	1339	139467	139830
UN10084	Rsa1.0.00674.1	1549	193753	0	514	517	99 -	11	527	181840	182356
UN10085	Rsa1.0.00040.1	1376	324196	0	522	546	95 +	824	1360	114552	115096
UN10086	Rsa1.0.01731.1	1089	40208	1.00E-127	250	256	97 +	3	253	18260	18515
UN10087	Rsa1.0.34603.1	1247	654	1.00E-126	233	234	99 -	99	332	223	456
UN10088	Rsa1.0.01005.1	982	56967	1.00E-132	258	264	97 -	424	687	19291	19554
UN10089	Rsa1.0.02312.1	1795	32675	0	882	882	100 -	267	1148	20773	21654
UN10090	Rsa1.0.06976.1	1356	10073	0	331	331	100 -	2	332	1316	1646
UN10091	Rsa1.0.00080.1	1070	190437	0	393	397	98 -	1	394	65785	66181
UN10092	Rsa1.0.00011.1	1023	225044	1.00E-93	184	187	98 -	616	802	50686	50872
UN10093	Rsa1.0.00596.1	1024	73578	1.00E-90	173	174	99 -	849	1022	9140	9313
UN10094	Rsa1.0.05890.1	711	12317	1.00E-114	212	213	99 +	1	213	6836	7048
UN10095	Rsa1.0.03479.1	1010	22631	0	785	833	94 +	8	836	21398	22217
UN10096	Rsa1.0.00076.1	601	146021	0	573	595	96 +	14	601	100578	101171
UN10097	Rsa1.0.01469.1	860	45139	1.00E-120	219	219	100 +	1	219	42143	42361
UN10098	Rsa1.0.00838.1	1872	153820	0	412	418	98 +	9	426	54187	54603
UN10099	Rsa1.0.00264.1	850	101674	1.00E-148	285	290	98 +	3	291	68831	69120

UN10100	Rsa1.0_00189.1	1261	111830	1.00E-167	302	303	99 -	958	1260	55224	55526
UN10101	Rsa1.0_00141.1	888	121494	0	461	474	97 +	1	473	82243	82714
UN10102	Rsa1.0_05013.1	905	15131	1.00E-154	298	303	98 -	602	904	1039	1338
UN10103	Rsa1.0_03627.1	964	21658	1.00E-179	400	423	94 +	549	964	8013	8434
UN10104	Rsa1.0_00474.1	825	81731	0	399	417	95 +	15	428	30343	30753
UN10105	Rsa1.0_01081.1	892	499226	1.00E-155	290	294	98 -	599	892	323183	323476
UN10106	Rsa1.0_01656.1	1373	41494	0	438	455	96 +	1	455	35728	36181
UN10107	Rsa1.0_00384.1	1083	89278	0	325	326	99 -	32	357	48409	48734
UN10108	Rsa1.0_01855.1	1885	38204	0	635	642	98 -	2	643	12693	13332
UN10109	Rsa1.0_03790.1	1744	20844	0	426	436	97 -	582	1013	7623	8058
UN10110	Rsa1.0_01459.1	2732	45277	0	2165	2186	99 +	1	2186	35839	38024
UN10111	Rsa1.0_01126.1	960	53127	0	696	716	97 +	3	710	41996	42709
UN10112	Rsa1.0_01272.1	1944	49553	0	1044	1087	96 +	2	1087	17182	18268
UN10113	Rsa1.0_00017.1	954	752458	0	414	434	95 -	525	953	412620	413048
UN10114	Rsa1.0_18957.1	1285	1505	1.00E-160	296	299	98 +	354	652	1203	1501
UN10115	Rsa1.0_00100.1	1604	249232	2.00E-99	185	185	100 +	632	816	220066	220250
UN10116	Rsa1.0_00169.1	1281	274298	0	718	741	96 +	3	743	26954	27690
UN10117	Rsa1.0_03971.1	1294	19788	1.00E-159	291	293	99 +	3	295	1772	2064
UN10118	Rsa1.0_14151.1	1104	3731	0	490	493	99 +	612	1104	981	1472
UN10119	Rsa1.0_01358.1	1478	47278	0	506	506	100 +	548	1053	15623	16128
UN10120	Rsa1.0_08957.1	1280	6754	0	411	429	95 -	854	1280	6326	6754
UN10121	Rsa1.0_07766.1	1247	8612	0	382	383	99 +	49	431	5866	6248
UN10122	Rsa1.0_00068.1	1514	151813	1.00E-111	246	260	94 -	1	251	35329	35586
UN10123	Rsa1.0_00336.1	1217	445051	0	484	488	99 +	1	488	4046	4532
UN10124	Rsa1.0_00045.1	895	328694	1.00E-150	276	278	99 +	1	278	165161	165438
UN10125	Rsa1.0_05410.1	1127	13840	0	507	509	99 -	124	632	5729	6237
UN10126	Rsa1.0_01354.1	692	47342	1.00E-138	265	270	98 -	423	692	9360	9629
UN10127	Rsa1.0_13204.1	1555	4970	0	504	504	100 +	102	605	4329	4832
UN10128	Rsa1.0_01907.1	855	37431	0	513	519	98 +	337	855	17877	18395
UN10129	Rsa1.0_02438.1	1399	31392	0	474	496	95 -	3	497	13585	14074
UN10130	Rsa1.0_00816.1	1315	403350	0	694	719	96 +	3	716	139083	139801
UN10131	Rsa1.0_00272.1	1332	447836	0	371	377	98 -	957	1332	65635	66010
UN10132	Rsa1.0_01943.1	1056	37042	1.00E-164	309	313	98 -	744	1056	4794	5105
UN10133	Rsa1.0_02703.1	1150	28544	0	526	532	98 -	40	569	25964	26495
UN10134	Rsa1.0_28315.1	1144	820	1.00E-119	310	334	92 -	818	1144	446	771
UN10135	Rsa1.0_08102.1	1301	7901	1.00E-130	260	267	97 -	1035	1301	718	981
UN10136	Rsa1.0_02615.1	758	29547	0	753	756	99 -	3	758	24432	25187
UN10137	Rsa1.0_00098.1	969	349239	0	447	467	95 -	419	881	220945	221405
UN10138	Rsa1.0_01156.1	603	52147	1.00E-128	280	296	94 -	316	602	33030	33324

UN10139	Rsa1.0.00063.1	536	156150	1.00E-121	229	232	98 +	116	347	3494	3725
UN10140	Rsa1.0.13982.1	949	3960	0	944	948	99 +	2	949	649	1596
UN10141	Rsa1.0.05367.1	1157	14010	0	475	490	96 +	3	492	2676	3156
UN10142	Rsa1.0.01124.1	2100	53295	0	369	370	99 -	378	747	27263	27632
UN10143	Rsa1.0.02756.1	1743	28202	1.00E-176	334	338	98 +	1	336	20785	21122
UN10144	Rsa1.0.04772.1	1004	16040	1.00E-157	291	293	99 +	6	298	11870	12160
UN10145	Rsa1.0.06319.1	1654	11243	0	471	481	97 -	3	482	9996	10476
UN10146	Rsa1.0.01389.1	1270	46716	1.00E-69	135	135	100 -	494	628	16433	16567
UN10147	Rsa1.0.00189.1	692	111830	1.00E-158	380	405	93 +	1	397	491	890
UN10148	Rsa1.0.00654.1	905	70012	1.00E-166	296	296	100 -	610	905	40143	40438
UN10149	Rsa1.0.00008.1	1198	358124	0	609	625	97 -	574	1198	6476	7100
UN10150	Rsa1.0.00112.1	1002	132199	0	703	750	93 +	253	993	55783	56507
UN10151	Rsa1.0.07657.1	1148	8896	0	536	551	97 +	607	1148	3516	4066
UN10152	Rsa1.0.00838.1	527	153820	0	366	376	97 +	1	376	146488	146863
UN10153	Rsa1.0.13767.1	944	4361	0	552	553	99 -	391	943	566	1118
UN10154	Rsa1.0.03204.1	1138	24622	0	492	492	100 -	238	729	6070	6561
UN10155	Rsa1.0.38829.1	431	579	1.00E-91	212	222	95 -	8	226	32	252
UN10156	Rsa1.0.05696.1	1154	12896	0	520	540	96 -	369	906	351	890
UN10157	Rsa1.0.19770.1	963	1385	0	343	344	99 -	619	962	465	808
UN10158	Rsa1.0.02222.1	532	152798	0	503	556	90 +	1	514	4560	5115
UN10159	Rsa1.0.02273.1	1076	140964	1.00E-178	319	320	99 +	756	1075	4741	5060
UN10160	Rsa1.0.00746.1	924	66044	1.00E-139	309	328	94 +	599	919	22302	22626
UN10161	Rsa1.0.01735.1	1056	40128	0	678	708	95 -	3	710	33988	34675
UN10162	Rsa1.0.02247.1	964	33427	1.00E-150	341	370	92 -	2	371	28646	28995
UN10163	Rsa1.0.01211.1	1274	50646	0	620	665	93 +	612	1274	41797	42450
UN10164	Rsa1.0.00387.1	635	495407	0	411	415	99 -	1	415	475782	476195
UN10165	Rsa1.0.00014.1	633	348985	0	348	352	98 -	188	539	315790	316137
UN10166	Rsa1.0.02777.1	1387	27986	0	596	625	95 +	766	1387	15700	16316
UN10167	Rsa1.0.01700.1	1011	40745	0	420	429	97 -	3	431	31534	31959
UN10168	Rsa1.0.01561.1	721	43227	0	532	552	96 +	156	705	84	633
UN10169	Rsa1.0.04124.1	1294	18945	1.00E-106	359	407	88 +	1	393	6518	6906
UN10170	Rsa1.0.00086.1	952	439854	0	322	322	100 +	2	323	325322	325643
UN10171	Rsa1.0.07339.1	1020	9534	1.00E-179	351	359	97 +	2	354	6432	6790
UN10172	Rsa1.0.00374.1	533	165738	0	526	530	99 +	4	533	160631	161160
UN10173	Rsa1.0.00128.1	807	228675	0	742	763	97 -	45	806	203865	204627
UN10174	Rsa1.0.21673.1	720	1183	0	703	725	96 +	11	720	226	950
UN10175	Rsa1.0.00240.1	1073	104175	0	615	623	98 +	425	1047	14974	15595
UN10176	Rsa1.0.00425.1	524	147080	0	378	388	97 -	2	388	24733	25120
UN10177	Rsa1.0.00537.1	1893	186980	0	1831	1893	96 -	1	1893	164273	166150

UN10178	Rsa1.0.05218.1	874	14457	1.00E-169	321	326	98 +	7	332	9535	9859
UN10179	Rsa1.0.11463.1	1145	5500	1.00E-172	309	310	99 -	836	1145	677	986
UN10180	Rsa1.0.02379.1	867	150705	0	371	383	96 +	392	774	140540	140922
UN10181	Rsa1.0.00675.1	1383	145590	0	1229	1253	98 -	131	1383	67398	68649
UN10182	Rsa1.0.01169.1	1055	51829	0	556	570	97 -	486	1055	36443	37012
UN10183	Rsa1.0.00464.1	731	82253	0	573	579	98 -	3	581	64562	65140
UN10184	Rsa1.0.00071.1	1041	345714	0	361	362	99 -	3	364	317193	317554
UN10185	Rsa1.0.03307.1	797	23872	0	467	480	97 +	320	791	16405	16881
UN10186	Rsa1.0.02506.1	1081	30700	0	495	524	94 -	558	1081	5605	6119
UN10187	Rsa1.0.01937.1	1464	37147	1.00E-132	296	314	94 -	3	316	32247	32557
UN10188	Rsa1.0.06032.1	632	11886	2.00E-78	219	240	91 -	399	632	7622	7859
UN10189	Rsa1.0.00749.1	1295	65933	0	1261	1301	96 +	2	1293	20487	21776
UN10190	Rsa1.0.00550.1	1867	210790	0	460	475	96 -	707	1179	177713	178187
UN10191	Rsa1.0.00108.1	722	478491	0	684	715	95 -	15	722	460205	460913
UN10192	Rsa1.0.00985.1	1382	161950	0	562	581	96 +	6	586	141740	142317
UN10193	Rsa1.0.00930.1	1564	59224	0	389	397	97 +	1	392	38934	39330
UN10194	Rsa1.0.10565.1	1453	5800	0	464	475	97 +	3	476	4451	4919
UN10195	Rsa1.0.07246.1	1884	9665	1.00E-163	315	320	98 +	851	1168	122	441
UN10196	Rsa1.0.01778.1	1123	39509	1.00E-168	306	308	99 -	6	313	23431	23738
UN10197	Rsa1.0.03467.1	1142	22687	0	509	521	97 -	1	521	13100	13620
UN10198	Rsa1.0.00351.1	851	413096	0	375	375	100 +	476	850	242921	243295
UN10199	Rsa1.0.03633.1	927	21644	1.00E-125	230	231	99 -	1	231	18297	18527
UN10200	Rsa1.0.00638.1	670	71037	0	629	640	98 +	2	641	36377	37012
UN10201	Rsa1.0.01788.1	842	39296	0	362	363	99 -	271	633	15792	16154
UN10202	Rsa1.0.02413.1	1288	31628	0	360	371	97 -	459	829	8130	8498
UN10203	Rsa1.0.00078.1	794	175053	0	741	765	96 +	3	762	3934	4695
UN10204	Rsa1.0.00419.1	1399	86562	0	638	647	98 -	752	1396	15419	16064
UN10205	Rsa1.0.01303.1	1196	48853	0	623	626	99 +	571	1196	15251	15876
UN10206	Rsa1.0.00453.1	1016	83031	0	633	643	98 +	375	1016	75551	76193
UN10207	Rsa1.0.06313.1	1545	11252	0	340	341	99 -	441	781	6081	6421
UN10208	Rsa1.0.02901.1	1171	26909	1.00E-109	266	287	92 -	893	1171	13866	14152
UN10209	Rsa1.0.00108.1	1233	478491	0	424	428	99 +	808	1233	463726	464153
UN10210	Rsa1.0.07757.1	944	8633	0	572	589	97 +	1	588	925	1512
UN10211	Rsa1.0.22271.1	1728	1135	0	415	422	98 +	1306	1727	548	966
UN10212	Rsa1.0.00033.1	963	515811	0	576	594	96 -	371	963	485021	485610
UN10213	Rsa1.0.01785.1	913	39368	0	585	585	100 +	2	586	28416	29000
UN10214	Rsa1.0.00119.1	1123	467509	0	477	514	92 +	378	885	386218	386716
UN10215	Rsa1.0.00232.1	1273	104936	1.00E-152	295	301	98 +	907	1206	48471	48771
UN10216	Rsa1.0.06310.1	1589	11262	0	811	963	84 +	386	1345	5160	6122

UN10217	Rsa1.0.00412.1	1015	86935	1.00E-135	252	253	99 +	762	1013	71685	71937
UN10218	Rsa1.0.00037.1	1165	307838	0	779	786	99 +	9	792	293238	294022
UN10219	Rsa1.0.07577.1	1098	9092	0	423	423	100 +	3	425	5723	6145
UN10220	Rsa1.0.00329.1	965	222544	1.00E-166	411	449	91 +	1	439	29883	30321
UN10221	Rsa1.0.00660.1	705	69688	1.00E-80	162	165	98 -	362	526	52782	52946
UN10222	Rsa1.0.00504.1	977	79334	1.00E-119	223	225	99 +	750	974	64280	64504
UN10223	Rsa1.0.00478.1	1487	81419	0	403	403	100 -	1079	1481	60585	60987
UN10224	Rsa1.0.00195.1	1388	251884	0	596	629	94 -	3	628	248803	249431
UN10225	Rsa1.0.04436.1	1216	17364	0	617	637	96 -	1	623	15688	16324
UN10226	Rsa1.0.00340.1	1418	305782	1.00E-132	249	252	98 -	1165	1416	188904	189155
UN10227	Rsa1.0.00041.1	1319	186197	0	447	448	99 -	867	1313	56659	57106
UN10228	Rsa1.0.01789.1	1201	39250	0	459	473	97 -	4	474	19826	20296
UN10229	Rsa1.0.00012.1	769	222148	1.00E-147	318	340	93 +	1	322	49635	49974
UN10230	Rsa1.0.10523.1	1649	5816	0	366	373	98 -	1269	1640	5304	5676
UN10231	Rsa1.0.01543.1	1154	43645	0	1036	1098	94 +	64	1146	24619	25697
UN10232	Rsa1.0.00382.1	910	251946	1.00E-154	277	277	100 -	634	910	112485	112761
UN10233	Rsa1.0.36296.1	1303	621	0	354	358	98 +	550	907	1	358
UN10234	Rsa1.0.01690.1	1448	40939	0	763	798	95 +	112	900	5950	6747
UN10235	Rsa1.0.01081.1	856	499226	0	845	854	98 -	3	854	318528	319381
UN10236	Rsa1.0.05541.1	1084	139959	1.00E-151	301	310	97 -	775	1084	2800	3107
UN10237	Rsa1.0.00483.1	1273	81102	1.00E-155	320	331	96 -	943	1271	56262	56592
UN10238	Rsa1.0.00328.1	1483	224661	0	832	855	97 -	3	855	176338	177191
UN10239	Rsa1.0.02101.1	1038	35017	0	992	1009	98 -	3	1010	15755	16763
UN10240	Rsa1.0.00577.1	1400	174827	0	734	746	98 -	566	1311	29514	30259
UN10241	Rsa1.0.01058.1	1125	55430	1.00E-110	238	247	96 -	1	246	29543	29788
UN10242	Rsa1.0.01776.1	767	39511	0	600	613	97 +	162	767	9082	9693
UN10243	Rsa1.0.00193.1	1081	194198	1.00E-128	283	296	95 +	784	1076	102524	102818
UN10244	Rsa1.0.48139.1	1162	470	0	382	392	97 +	489	880	76	467
UN10245	Rsa1.0.00928.1	1089	59293	1.00E-81	211	230	91 +	805	1034	32258	32481
UN10246	Rsa1.0.00314.1	801	96472	1.00E-105	228	238	95 +	565	801	56253	56490
UN10247	Rsa1.0.01200.1	1214	50895	0	869	914	95 +	305	1212	42501	43412
UN10248	Rsa1.0.00662.1	1589	192183	0	1335	1399	95 -	1	1392	59159	60550
UN10249	Rsa1.0.03001.1	787	26108	1.00E-125	305	327	93 -	468	787	5505	5824
UN10250	Rsa1.0.01591.1	776	42718	1.00E-77	204	224	91 -	560	774	15670	15893
UN10251	Rsa1.0.00737.1	804	66432	1.00E-126	296	316	93 +	491	804	25538	25847
UN10252	Rsa1.0.00075.1	870	146680	1.00E-110	219	222	98 -	649	868	26141	26362
UN10253	Rsa1.0.00529.1	1591	77487	1.00E-162	294	295	99 +	1	295	15484	15778
UN10254	Rsa1.0.00457.1	901	337301	1.00E-128	232	232	100 +	1	232	159587	159818
UN10255	Rsa1.0.06535.1	1336	10827	0	1321	1336	98 -	1	1336	2711	4044

UN10256	Rsa1.0.00727.1	1661	66724	0	359	361	99 -	1301	1661	61914	62274
UN10257	Rsa1.0.02226.1	814	33726	1.00E-61	159	169	94 -	609	775	10227	10395
UN10258	Rsa1.0.01278.1	1039	49370	4.00E-93	180	182	98 +	766	947	20617	20798
UN10259	Rsa1.0.00111.1	862	390088	0	384	394	97 +	265	658	381107	381500
UN10260	Rsa1.0.01846.1	1324	38367	0	550	567	97 +	758	1324	33297	33863
UN10261	Rsa1.0.05384.1	1437	13960	0	778	785	99 +	4	788	1086	1870
UN10262	Rsa1.0.00224.1	1699	327530	0	940	947	99 +	753	1699	192182	193126
UN10263	Rsa1.0.04626.1	1271	16611	0	604	631	95 -	3	631	14781	15406
UN10264	Rsa1.0.00056.1	871	332604	9.00E-60	133	138	96 -	336	473	309803	309940
UN10265	Rsa1.0.00218.1	998	201480	0	441	451	97 -	1	451	153355	153804
UN10266	Rsa1.0.00719.1	2450	66952	0	474	474	100 +	82	555	23347	23820
UN10267	Rsa1.0.00505.1	1071	79323	1.00E-106	217	224	96 +	1	224	4309	4532
UN10268	Rsa1.0.00421.1	1275	86365	0	564	564	100 +	421	984	17163	17726
UN10269	Rsa1.0.01561.1	1925	43227	1.00E-126	233	234	99 +	1692	1925	27114	27347
UN10270	Rsa1.0.00925.1	1770	59481	0	445	451	98 +	247	693	56289	56739
UN10271	Rsa1.0.16574.1	890	2106	0	526	538	97 -	352	888	1573	2106
UN10272	Rsa1.0.00023.1	1559	194764	0	331	332	99 -	1226	1557	182540	182871
UN10273	Rsa1.0.01931.1	810	37187	1.00E-169	385	412	93 +	391	802	32029	32428
UN10274	Rsa1.0.00794.1	833	64063	1.00E-179	361	373	96 -	458	827	39651	40023
UN10275	Rsa1.0.00652.1	946	70089	0	373	385	96 -	2	385	47920	48304
UN10276	Rsa1.0.01440.1	883	45807	0	750	775	96 +	1	774	13700	14471
UN10277	Rsa1.0.01200.1	1123	50895	0	1113	1121	99 -	1	1121	42229	43347
UN10278	Rsa1.0.05884.1	700	12337	0	669	702	95 +	3	697	10020	10716
UN10279	Rsa1.0.00108.1	1322	478491	0	429	454	94 +	868	1320	279966	280404
UN10280	Rsa1.0.01985.1	524	36491	1.00E-143	258	258	100 -	267	524	1761	2018
UN10281	Rsa1.0.00066.1	888	152418	0	518	536	96 +	22	557	20936	21465
UN10282	Rsa1.0.13888.1	1142	4146	0	879	879	100 +	1	879	1792	2670
UN10283	Rsa1.0.00502.1	1345	204180	0	541	546	99 +	1	546	60925	61469
UN10284	Rsa1.0.00991.1	1319	143101	0	634	668	94 -	1	664	137872	138532
UN10285	Rsa1.0.00773.1	957	64839	0	433	460	94 -	515	957	52202	52660
UN10286	Rsa1.0.24540.1	808	982	0	710	732	96 -	47	778	251	982
UN10287	Rsa1.0.00022.1	1375	200461	1.00E-170	316	320	98 -	1036	1355	96365	96684
UN10288	Rsa1.0.04156.1	1411	18799	0	505	505	100 -	905	1409	242	746
UN10289	Rsa1.0.01058.1	1379	55430	1.00E-156	304	310	98 +	1070	1379	44751	45056
UN10290	Rsa1.0.12394.1	1320	5237	1.00E-160	325	337	96 -	1	337	4534	4862
UN10291	Rsa1.0.02358.1	913	32213	0	477	478	99 +	1	478	236	712
UN10292	Rsa1.0.05161.1	1132	14631	1.00E-138	320	345	92 +	16	351	8351	8695
UN10293	Rsa1.0.01668.1	898	41299	1.00E-108	266	288	92 -	122	409	40402	40689
UN10294	Rsa1.0.00967.1	823	58049	0	783	784	99 +	3	786	3374	4156

UN10295	Rsa1.0_11577.1	937	5467	1.00E-114	275	294	93 -	646	937	723	1012
UN10296	Rsa1.0_07808.1	849	8504	0	593	614	96 -	239	849	117	727
UN10297	Rsa1.0_02098.1	1031	35032	1.00E-112	256	270	94 +	142	410	17299	17567
UN10298	Rsa1.0_02020.1	922	173211	0	707	720	98 -	1	720	164608	165327
UN10299	Rsa1.0_03123.1	891	25207	0	561	582	96 -	3	584	22210	22786
UN10300	Rsa1.0_00129.1	891	126831	1.00E-125	289	304	95 +	23	324	113583	113884
UN10301	Rsa1.0_00876.1	1390	61328	1.00E-127	279	295	94 -	1032	1320	49382	49676
UN10302	Rsa1.0_00407.1	1046	191544	0	395	403	98 -	3	402	154691	155093
UN10303	Rsa1.0_00024.1	1304	188018	1.00E-155	400	443	90 -	424	845	84667	85097
UN10304	Rsa1.0_00873.1	1429	61459	1.00E-126	293	313	93 +	2	308	11603	11915
UN10305	Rsa1.0_00515.1	979	78417	0	940	982	95 -	3	979	59809	60784
UN10306	Rsa1.0_00086.1	1185	439854	1.00E-84	195	204	95 +	3	205	429	631
UN10307	Rsa1.0_00329.1	995	222544	1.00E-153	389	426	91 -	523	937	29906	30321
UN10308	Rsa1.0_00041.1	814	186197	1.00E-143	341	369	92 +	3	361	156429	156786
UN10309	Rsa1.0_00369.1	1124	266462	0	437	450	97 -	360	809	169354	169802
UN10310	Rsa1.0_02022.1	1286	35923	1.00E-158	329	343	95 -	1	343	14054	14395
UN10311	Rsa1.0_07835.1	1438	8453	0	364	364	100 -	1	364	6351	6714
UN10312	Rsa1.0_01502.1	1125	44519	1.00E-131	325	354	91 +	775	1125	39463	39804
UN10313	Rsa1.0_00470.1	1566	81968	1.00E-158	283	283	100 +	248	530	48972	49254
UN10314	Rsa1.0_00336.1	1209	445051	1.00E-164	350	368	95 -	723	1080	441	805
UN10315	Rsa1.0_00339.1	1614	222974	0	781	920	84 +	337	1255	28077	28996
UN10316	Rsa1.0_00371.1	1074	90463	0	409	421	97 -	648	1067	73347	73767
UN10317	Rsa1.0_02954.1	1146	26485	0	369	385	95 -	404	788	13577	13961
UN10318	Rsa1.0_03589.1	1383	21893	0	434	452	96 +	3	450	604	1055
UN10319	Rsa1.0_23451.1	1196	1048	1.00E-156	371	402	92 -	1	393	184	572
UN10320	Rsa1.0_00008.1	1015	358124	0	598	635	94 -	382	1015	50872	51499
UN10321	Rsa1.0_01248.1	1077	154103	7.00E-95	211	221	95 -	855	1075	41446	41660
UN10322	Rsa1.0_01338.1	1545	155644	0	465	487	95 +	548	1034	142949	143435
UN10323	Rsa1.0_24295.1	1252	994	0	598	611	97 +	97	707	1	611
UN10324	Rsa1.0_00180.1	956	114581	1.00E-156	310	319	97 +	2	320	34754	35066
UN10325	Rsa1.0_01000.1	1507	57140	0	476	479	99 -	1031	1507	35248	35726
UN10326	Rsa1.0_03347.1	1860	23588	0	968	1006	96 +	2	1003	7901	8903
UN10327	Rsa1.0_54025.1	894	422	0	413	422	97 +	210	630	1	422
UN10328	Rsa1.0_00306.1	786	146760	0	555	629	88 +	189	784	76532	77144
UN10329	Rsa1.0_01920.1	1612	158533	0	482	485	99 +	3	487	125759	126241
UN10330	Rsa1.0_00816.1	1059	403350	1.00E-148	286	290	98 +	124	411	390143	390432
UN10331	Rsa1.0_02884.1	1185	27034	0	645	682	94 -	2	681	12569	13240
UN10332	Rsa1.0_01896.1	940	37512	0	901	938	96 +	2	939	20688	21623
UN10333	Rsa1.0_05909.1	1132	12265	1.00E-157	319	327	97 -	1	324	6137	6460

UN10334	Rsa1.0.00094.1	1383	139042	0	543	563	96 -	3	564	62288	62850
UN10335	Rsa1.0.00383.1	861	398431	1.00E-134	297	316	93 -	558	861	182089	182404
UN10336	Rsa1.0.04882.1	1204	15606	0	341	341	100 -	857	1197	7132	7472
UN10337	Rsa1.0.00152.1	1653	257730	0	1236	1241	99 +	411	1651	201609	202849
UN10338	Rsa1.0.00002.1	922	601661	0	586	593	98 -	31	623	527335	527927
UN10339	Rsa1.0.14918.1	985	2967	1.00E-178	316	316	100 -	2	317	1	316
UN10340	Rsa1.0.00689.1	991	68305	0	621	632	98 -	338	969	12770	13401
UN10341	Rsa1.0.00070.1	1713	150321	0	577	583	98 -	1131	1713	59034	59616
UN10342	Rsa1.0.02322.1	1515	32555	0	619	629	98 +	5	633	4740	5365
UN10343	Rsa1.0.00073.1	867	240924	1.00E-133	250	252	99 +	2	251	97580	97831
UN10344	Rsa1.0.01889.1	600	37562	1.00E-167	313	318	98 +	277	594	23938	24255
UN10345	Rsa1.0.02377.1	973	31994	1.00E-127	303	325	93 -	1	322	10248	10571
UN10346	Rsa1.0.00250.1	714	273771	1.00E-171	313	316	99 +	1	316	16202	16517
UN10347	Rsa1.0.00637.1	1579	71038	0	848	851	99 +	1	851	2355	3204
UN10348	Rsa1.0.04998.1	1110	15180	0	1085	1096	98 -	3	1098	6674	7765
UN10349	Rsa1.0.02583.1	1151	29887	0	435	437	99 -	432	868	24108	24544
UN10350	Rsa1.0.00571.1	967	329018	0	928	980	94 +	4	967	173767	174742
UN10351	Rsa1.0.01534.1	897	43764	0	727	757	96 +	7	755	10709	11464
UN10352	Rsa1.0.02505.1	667	30703	1.00E-149	367	393	93 +	266	658	21664	22048
UN10353	Rsa1.0.00157.1	1152	245832	1.00E-179	408	431	94 +	2	431	64001	64422
UN10354	Rsa1.0.03646.1	902	21598	0	868	905	95 -	3	902	18024	18918
UN10355	Rsa1.0.01632.1	652	181224	0	364	371	98 +	275	645	27928	28294
UN10356	Rsa1.0.05282.1	1696	14270	1.00E-154	276	276	100 +	1419	1694	6690	6965
UN10357	Rsa1.0.01047.1	1223	55705	0	1178	1232	95 +	2	1218	39313	40541
UN10358	Rsa1.0.01097.1	1674	173349	0	420	423	99 +	1	422	32242	32663
UN10359	Rsa1.0.00219.1	1487	106983	1.00E-121	238	242	98 +	80	321	42325	42565
UN10360	Rsa1.0.00065.1	1436	454616	0	610	610	100 +	1	610	26103	26712
UN10361	Rsa1.0.12642.1	1540	5165	0	505	506	99 +	825	1330	18	523
UN10362	Rsa1.0.00635.1	1205	175826	0	592	618	95 +	2	619	19297	19903
UN10363	Rsa1.0.32803.1	1506	693	0	677	705	96 +	554	1258	1	693
UN10364	Rsa1.0.00302.1	908	97521	1.00E-165	362	382	94 -	329	705	79283	79656
UN10365	Rsa1.0.00886.1	919	167350	0	455	491	92 +	7	488	11230	11719
UN10366	Rsa1.0.04446.1	1288	17317	0	712	723	98 -	264	986	2267	2989
UN10367	Rsa1.0.00033.1	1040	515811	1.00E-132	270	279	96 -	762	1036	41403	41679
UN10368	Rsa1.0.09091.1	708	6656	0	500	501	99 -	1	501	2634	3134
UN10369	Rsa1.0.02000.1	1386	36210	1.00E-112	273	295	92 +	1059	1343	4950	5244
UN10370	Rsa1.0.00810.1	990	63289	0	534	553	96 +	441	990	57632	58175
UN10371	Rsa1.0.02901.1	1172	26909	1.00E-158	293	295	99 -	879	1172	13858	14152
UN10372	Rsa1.0.05956.1	928	12111	1.00E-156	282	283	99 -	642	924	3203	3485

UN10373	Rsa1.0.02859.1	1116	162118	1.00E-150	366	396	92 -	5	390	144252	144639
UN10374	Rsa1.0.00244.1	1617	103590	0	1600	1619	98 -	1	1617	21064	22671
UN10375	Rsa1.0.00169.1	1004	274298	0	614	642	95 -	1	641	87856	88495
UN10376	Rsa1.0.00659.1	740	69733	1.00E-127	322	347	92 -	42	383	20560	20902
UN10377	Rsa1.0.00863.1	1240	254535	0	557	564	98 +	3	566	126471	127032
UN10378	Rsa1.0.01527.1	1221	43905	1.00E-164	328	341	96 -	3	343	37951	38282
UN10379	Rsa1.0.01448.1	876	45645	0	460	489	94 +	2	488	37833	38314
UN10380	Rsa1.0.00602.1	1131	73302	0	561	570	98 +	3	565	28641	29210
UN10381	Rsa1.0.00273.1	1226	326186	0	659	663	99 +	1	659	287923	288585
UN10382	Rsa1.0.05100.1	1051	14853	1.00E-117	253	264	95 +	10	268	1926	2189
UN10383	Rsa1.0.01094.1	1702	167285	0	586	586	100 -	1117	1702	162962	163547
UN10384	Rsa1.0.01836.1	1468	38503	0	404	405	99 -	1064	1467	1674	2078
UN10385	Rsa1.0.01559.1	958	43262	2.00E-61	121	121	100 -	34	154	23194	23314
UN10386	Rsa1.0.00051.1	665	258225	0	656	663	98 +	1	663	100708	101370
UN10387	Rsa1.0.15691.1	1315	2479	1.00E-134	252	255	98 -	1061	1315	1418	1672
UN10388	Rsa1.0.01549.1	821	43543	0	778	805	96 -	18	819	31477	32275
UN10389	Rsa1.0.02068.1	1200	35432	0	399	401	99 +	802	1200	8081	8481
UN10390	Rsa1.0.02561.1	1357	30080	0	403	415	97 +	462	876	14681	15090
UN10391	Rsa1.0.00087.1	1074	761073	1.00E-170	416	449	92 +	4	443	620991	621436
UN10392	Rsa1.0.00623.1	959	207630	0	453	458	98 -	503	959	11311	11768
UN10393	Rsa1.0.00329.1	794	222544	1.00E-137	248	248	100 -	3	250	179292	179539
UN10394	Rsa1.0.00361.1	1324	91181	1.00E-147	274	277	98 -	834	1110	12174	12450
UN10395	Rsa1.0.01667.1	1572	41315	0	728	740	98 -	1	740	33670	34407
UN10396	Rsa1.0.00258.1	1235	102381	1.00E-178	331	336	98 +	27	362	45308	45643
UN10397	Rsa1.0.00660.1	757	69688	0	395	399	98 -	362	757	52548	52946
UN10398	Rsa1.0.00277.1	430	100132	1.00E-158	291	294	98 +	112	405	8930	9223
UN10399	Rsa1.0.02753.1	710	28215	0	675	713	94 -	3	708	8050	8744
UN10400	Rsa1.0.04034.1	1162	19481	1.00E-147	264	264	100 +	213	476	12812	13075
UN10401	Rsa1.0.00541.1	912	76863	1.00E-163	316	324	97 -	200	523	34580	34903
UN10402	Rsa1.0.12343.1	895	5249	1.00E-65	190	208	91 +	688	895	2222	2427
UN10403	Rsa1.0.14175.1	1170	3704	0	443	444	99 +	273	715	2887	3330
UN10404	Rsa1.0.05287.1	1883	14264	0	1516	1606	94 +	11	1614	3998	5587
UN10405	Rsa1.0.04806.1	683	15898	0	465	481	96 +	203	683	7176	7647
UN10406	Rsa1.0.00354.1	1464	232005	0	1436	1457	98 +	4	1460	171044	172500
UN10407	Rsa1.0.00415.1	743	86795	1.00E-179	375	394	95 -	1	394	4549	4942
UN10408	Rsa1.0.00722.1	734	66840	0	333	336	99 -	3	338	61473	61808
UN10409	Rsa1.0.00047.1	1246	168582	1.00E-137	298	313	95 -	933	1244	113998	114306
UN10410	Rsa1.0.15127.1	632	2809	0	403	403	100 -	4	406	2023	2425
UN10411	Rsa1.0.00855.1	1229	62047	0	797	812	98 +	414	1225	22692	23503

UN10412	Rsa1.0.00215.1	734	201775	0	384	390	98 +	343	732	24023	24412
UN10413	Rsa1.0.01835.1	707	38542	0	419	419	100 -	288	706	24220	24638
UN10414	Rsa1.0.00833.1	1219	62621	1.00E-119	244	252	96 +	969	1217	7472	7723
UN10415	Rsa1.0.00198.1	1104	222963	0	387	390	99 -	715	1103	178618	179007
UN10416	Rsa1.0.01037.1	1100	55969	0	445	451	98 +	19	469	51914	52364
UN10417	Rsa1.0.03009.1	751	26065	1.00E-180	366	379	96 +	7	382	2628	3006
UN10418	Rsa1.0.00260.1	1968	102021	0	880	921	95 +	732	1652	27623	28531
UN10419	Rsa1.0.00195.1	676	251884	1.00E-156	286	288	99 +	389	676	83583	83870
UN10420	Rsa1.0.02212.1	1008	33840	1.00E-179	319	319	100 +	1	319	27406	27724
UN10421	Rsa1.0.00059.1	1324	159650	1.00E-157	319	331	96 -	995	1322	131088	131418
UN10422	Rsa1.0.00120.1	854	277288	0	405	406	99 -	1	406	121696	122100
UN10423	Rsa1.0.05991.1	500	12013	1.00E-115	238	246	96 -	254	499	1321	1564
UN10424	Rsa1.0.00328.1	1337	224661	0	921	927	99 -	37	963	184283	185209
UN10425	Rsa1.0.00088.1	1293	141341	1.00E-151	389	424	91 -	868	1283	66452	66870
UN10426	Rsa1.0.00163.1	1511	116847	0	439	464	94 +	1033	1493	83512	83968
UN10427	Rsa1.0.00545.1	1278	189649	0	589	596	98 +	3	598	29512	30105
UN10428	Rsa1.0.01872.1	904	37908	0	481	483	99 -	1	483	9035	9517
UN10429	Rsa1.0.07639.1	1432	8966	0	1427	1433	99 -	1	1432	6028	7460
UN10430	Rsa1.0.00902.1	1157	60241	0	665	667	99 -	3	669	16185	16851
UN10431	Rsa1.0.00360.1	1411	91190	1.00E-129	389	434	89 +	299	711	43686	44119
UN10432	Rsa1.0.00040.1	1499	324196	0	961	965	99 -	535	1499	217469	218433
UN10433	Rsa1.0.00413.1	749	86921	0	373	373	100 -	375	747	20449	20821
UN10434	Rsa1.0.01467.1	1828	45161	1.00E-105	267	294	90 +	1554	1828	23046	23339
UN10435	Rsa1.0.00884.1	772	61150	0	765	769	99 -	4	772	56311	57078
UN10436	Rsa1.0.00933.1	1320	59164	1.00E-178	343	350	98 -	1	345	2856	3205
UN10437	Rsa1.0.00328.1	614	224661	0	407	407	100 -	6	412	861	1267
UN10438	Rsa1.0.00949.1	797	58549	0	330	331	99 +	467	797	39561	39891
UN10439	Rsa1.0.03455.1	1712	22804	0	1668	1732	96 +	4	1711	1286	3007
UN10440	Rsa1.0.03413.1	1524	23137	0	1286	1313	97 +	3	1312	17992	19304
UN10441	Rsa1.0.13478.1	922	4790	0	383	385	99 -	1	385	615	999
UN10442	Rsa1.0.00088.1	866	141341	1.00E-133	259	265	97 -	38	302	6655	6919
UN10443	Rsa1.0.00211.1	1375	228189	0	494	516	95 -	315	830	130199	130714
UN10444	Rsa1.0.03401.1	1300	23191	8.00E-52	248	293	84 +	626	917	5986	6277
UN10445	Rsa1.0.00190.1	896	318240	0	383	400	95 -	408	805	314391	314786
UN10446	Rsa1.0.01271.1	1552	49569	0	482	497	96 -	825	1320	22174	22670
UN10447	Rsa1.0.00293.1	1103	339294	0	385	392	98 -	712	1103	4126	4515
UN10448	Rsa1.0.00419.1	1495	86562	1.00E-117	234	238	98 -	1241	1477	15435	15671
UN10449	Rsa1.0.01295.1	881	49040	0	411	425	96 +	458	881	21320	21740
UN10450	Rsa1.0.18906.1	1215	1514	0	374	381	98 -	831	1211	58	438

UN10451	Rsa1.0_03618.1	1016	21744	1.00E-136	247	247	100 -	770	1016	11073	11319
UN10452	Rsa1.0_04022.1	922	19534	2.00E-85	214	235	91 +	703	922	6268	6502
UN10453	Rsa1.0_00797.1	1032	63959	0	565	565	100 -	468	1032	51725	52289
UN10454	Rsa1.0_01537.1	699	187285	1.00E-166	407	444	91 +	257	698	841	1261
UN10455	Rsa1.0_00030.1	1663	250988	0	567	571	99 -	1093	1663	44636	45206
UN10456	Rsa1.0_04395.1	592	17570	1.00E-135	253	256	98 -	306	561	10029	10284
UN10457	Rsa1.0_00066.1	1024	152418	0	568	589	96 -	45	633	112082	112670
UN10458	Rsa1.0_02266.1	1114	33195	1.00E-174	339	346	97 -	759	1104	21919	22262
UN10459	Rsa1.0_00434.1	1260	85171	0	639	658	97 +	617	1259	71294	71949
UN10460	Rsa1.0_00190.1	1636	318240	0	417	417	100 -	1219	1635	211837	212253
UN10461	Rsa1.0_01997.1	1182	158416	1.00E-116	295	315	93 -	8	318	7533	7843
UN10462	Rsa1.0_00294.1	1814	144860	0	841	871	96 -	300	1167	57575	58442
UN10463	Rsa1.0_00090.1	764	273859	0	492	511	96 +	256	760	148579	149086
UN10464	Rsa1.0_02907.1	1222	26861	0	572	575	99 -	616	1190	15223	15794
UN10465	Rsa1.0_03560.1	1586	22092	0	456	464	98 +	1122	1585	379	841
UN10466	Rsa1.0_00215.1	1622	201775	0	922	941	97 +	684	1622	26877	27817
UN10467	Rsa1.0_00589.1	850	209965	0	793	836	94 +	12	847	154838	155658
UN10468	Rsa1.0_00483.1	898	81102	0	381	385	98 -	514	898	46548	46932
UN10469	Rsa1.0_00706.1	797	291570	0	498	510	97 +	2	511	159001	159504
UN10470	Rsa1.0_00145.1	739	261008	0	406	428	94 +	6	424	8528	8953
UN10471	Rsa1.0_01926.1	1358	37206	1.00E-178	380	402	94 +	3	402	15739	16124
UN10472	Rsa1.0_00560.1	1334	75685	7.00E-71	184	197	93 -	1	191	3912	4107
UN10473	Rsa1.0_00451.1	1514	322533	0	1445	1550	93 +	1	1512	249756	251305
UN10474	Rsa1.0_11429.1	506	5511	0	376	389	96 +	127	506	4743	5131
UN10475	Rsa1.0_01951.1	1274	36941	0	766	767	99 -	492	1258	10719	11485
UN10476	Rsa1.0_00826.1	1253	166736	0	525	525	100 +	1	525	130428	130952
UN10477	Rsa1.0_01154.1	907	52249	0	560	570	98 -	1	570	38105	38670
UN10478	Rsa1.0_00808.1	1331	63351	0	799	799	100 +	1	799	39339	40137
UN10479	Rsa1.0_11046.1	1330	5635	0	339	341	99 -	11	351	3092	3432
UN10480	Rsa1.0_02143.1	1026	34632	0	1011	1021	99 +	4	1024	8838	9856
UN10481	Rsa1.0_00734.1	1009	66508	1.00E-56	116	117	99 +	388	504	15185	15301
UN10482	Rsa1.0_00054.1	1177	162053	0	336	336	100 -	841	1176	5485	5820
UN10483	Rsa1.0_01559.1	625	43262	1.00E-105	219	225	97 +	389	611	2268	2491
UN10484	Rsa1.0_01339.1	1726	47813	1.00E-110	307	342	89 +	1336	1661	14806	15137
UN10485	Rsa1.0_01448.1	1130	45645	0	1119	1138	98 -	1	1128	15660	16796
UN10486	Rsa1.0_01569.1	1340	43029	1.00E-167	301	302	99 -	5	306	38883	39184
UN10487	Rsa1.0_02265.1	1665	33233	1.00E-124	239	243	98 +	1196	1438	9083	9325
UN10488	Rsa1.0_00176.1	1525	240984	1.00E-154	297	304	97 +	3	306	184021	184324
UN10489	Rsa1.0_00707.1	943	190112	0	367	369	99 +	1	369	65242	65610

UN10490	Rsa1.0.03581.1	1709	21965	0	401	406	98 +	1269	1674	20231	20636
UN10491	Rsa1.0.01055.1	1445	55466	0	1444	1446	99 -	1	1445	25304	26748
UN10492	Rsa1.0.00941.1	1136	58891	1.00E-162	297	298	99 -	1	298	44924	45220
UN10493	Rsa1.0.00849.1	1043	62212	0	406	425	95 -	617	1037	9683	10099
UN10494	Rsa1.0.00113.1	1603	131574	1.00E-172	319	323	98 -	1281	1603	74503	74825
UN10495	Rsa1.0.00782.1	1618	64468	0	474	494	95 -	553	1046	30043	30536
UN10496	Rsa1.0.04199.1	890	18501	0	860	889	96 +	12	889	8176	9064
UN10497	Rsa1.0.05846.1	700	12434	2.00E-94	179	180	99 +	317	496	7562	7741
UN10498	Rsa1.0.00381.1	1173	89718	8.00E-98	255	276	92 -	904	1173	71999	72270
UN10499	Rsa1.0.04696.1	6086	16339	0	617	694	88 +	3857	4550	11817	12499
UN10500	Rsa1.0.00682.1	1377	68680	0	822	834	98 +	16	849	46123	46956
UN10501	Rsa1.0.09388.1	1093	6405	1.00E-164	367	390	94 +	3	389	2824	3210
UN10502	Rsa1.0.25509.1	1217	933	0	394	405	97 -	1	405	498	902
UN10503	Rsa1.0.09951.1	917	6072	0	539	540	99 -	378	917	2117	2656
UN10504	Rsa1.0.00500.1	836	272308	0	613	618	99 -	4	621	157120	157735
UN10505	Rsa1.0.02928.1	1597	26680	0	363	369	98 -	1220	1582	7240	7608
UN10506	Rsa1.0.16693.1	1042	2064	0	493	494	99 -	549	1042	747	1240
UN10507	Rsa1.0.01737.1	1320	40101	0	463	490	94 +	826	1315	19997	20463
UN10508	Rsa1.0.02358.1	1636	32213	0	922	946	97 -	198	1138	7909	8854
UN10509	Rsa1.0.00697.1	768	67913	0	750	769	97 +	1	767	46052	46817
UN10510	Rsa1.0.05199.1	1524	14529	0	761	807	94 +	1	805	6531	7324
UN10511	Rsa1.0.00162.1	1144	239935	0	618	620	99 +	4	623	112749	113368
UN10512	Rsa1.0.00317.1	1022	218290	0	327	328	99 +	1	328	72594	72921
UN10513	Rsa1.0.00484.1	635	203294	6.00E-91	242	262	92 +	1	262	143450	143708
UN10514	Rsa1.0.06278.1	807	11333	0	387	389	99 +	418	806	1864	2251
UN10515	Rsa1.0.02949.1	1309	26506	0	799	816	97 -	500	1309	12852	13664
UN10516	Rsa1.0.00571.1	1412	329018	0	824	853	96 -	94	942	204578	205423
UN10517	Rsa1.0.00101.1	1019	267193	0	382	396	96 +	623	1017	208637	209032
UN10518	Rsa1.0.01768.1	1205	138463	1.00E-138	282	290	97 -	916	1205	120013	120300
UN10519	Rsa1.0.00451.1	2310	322533	3.00E-99	297	336	88 -	1132	1467	293086	293411
UN10520	Rsa1.0.00002.1	810	601661	0	433	461	93 +	1	461	240858	241305
UN10521	Rsa1.0.03067.1	901	25651	2.00E-94	236	256	92 +	149	404	5352	5607
UN10522	Rsa1.0.00507.1	1229	79074	0	468	476	98 -	754	1229	42740	43214
UN10523	Rsa1.0.00077.1	1252	145005	0	1231	1250	98 -	3	1252	129688	130936
UN10524	Rsa1.0.01426.1	658	46112	0	333	333	100 -	326	658	44168	44500
UN10525	Rsa1.0.02789.1	1578	27850	0	383	385	99 +	239	623	22916	23300
UN10526	Rsa1.0.00706.1	784	291570	0	468	484	96 +	2	485	159033	159504
UN10527	Rsa1.0.05755.1	918	12730	0	529	544	97 -	377	916	9387	9928
UN10528	Rsa1.0.00351.1	789	413096	0	413	413	100 -	377	789	244415	244827

UN10529	Rsa1.0_00344.1	1079	191774	0	528	529	99 +	550	1078	108987	109515
UN10530	Rsa1.0_01005.1	1177	56967	0	627	631	99 +	546	1176	37403	38033
UN10531	Rsa1.0_00021.1	1090	263655	0	358	367	97 -	244	610	238503	238869
UN10532	Rsa1.0_00073.1	1484	240924	0	657	660	99 -	825	1484	118465	119124
UN10533	Rsa1.0_08790.1	882	6918	0	479	517	92 +	367	872	4980	5496
UN10534	Rsa1.0_00273.1	1382	326186	1.00E-143	363	401	90 +	988	1379	4768	5148
UN10535	Rsa1.0_00675.1	1035	145590	0	551	553	99 -	3	555	23696	24248
UN10536	Rsa1.0_02934.1	760	26627	0	472	480	98 -	1	480	25244	25722
UN10537	Rsa1.0_00116.1	940	365886	8.00E-79	150	150	100 -	720	869	353829	353978
UN10538	Rsa1.0_01135.1	1053	52799	0	500	501	99 -	209	709	24574	25074
UN10539	Rsa1.0_00828.1	828	62744	1.00E-165	395	428	92 -	406	828	47929	48337
UN10540	Rsa1.0_00110.1	787	132719	0	672	750	89 +	44	760	116490	117227
UN10541	Rsa1.0_00198.1	860	222963	0	426	427	99 -	4	429	174650	175076
UN10542	Rsa1.0_00041.1	1138	186197	0	786	803	97 +	335	1137	157067	157869
UN10543	Rsa1.0_01406.1	429	46439	0	340	341	99 -	89	429	40283	40623
UN10544	Rsa1.0_02290.1	1426	32971	0	469	470	99 -	955	1424	21744	22213
UN10545	Rsa1.0_47400.1	910	477	0	393	393	100 +	168	560	1	393
UN10546	Rsa1.0_01701.1	541	162121	2.00E-32	96	104	92 +	3	106	9023	9126
UN10547	Rsa1.0_02365.1	1164	32118	0	543	556	97 -	3	557	12194	12741
UN10548	Rsa1.0_00471.1	785	81897	1.00E-178	344	352	97 +	429	779	65986	66337
UN10549	Rsa1.0_00394.1	1267	148426	0	466	491	94 +	775	1265	67486	67964
UN10550	Rsa1.0_73802.1	938	310	1.00E-172	309	310	99 -	99	408	1	310
UN10551	Rsa1.0_00347.1	1415	93048	1.00E-176	340	348	97 -	1071	1415	72503	72850
UN10552	Rsa1.0_03878.1	1027	20305	1.00E-178	316	316	100 -	681	996	11883	12198
UN10553	Rsa1.0_26708.1	1627	881	0	571	602	94 -	1011	1591	4	605
UN10554	Rsa1.0_00485.1	775	80937	2.00E-66	243	279	87 +	435	709	37393	37671
UN10555	Rsa1.0_00394.1	1236	148426	0	399	413	96 +	827	1236	99869	100278
UN10556	Rsa1.0_00805.1	1346	63724	0	855	925	92 -	6	907	57517	58441
UN10557	Rsa1.0_00387.1	1216	495407	0	874	901	97 -	8	907	409522	410422
UN10558	Rsa1.0_00706.1	1146	291570	0	623	657	94 -	493	1145	23308	23961
UN10559	Rsa1.0_00330.1	1263	94666	0	830	843	98 -	1	843	16817	17659
UN10560	Rsa1.0_00529.1	1613	77487	0	538	539	99 +	2	540	69325	69863
UN10561	Rsa1.0_02117.1	1422	34843	1.00E-150	273	274	99 -	238	511	15985	16258
UN10562	Rsa1.0_00028.1	1423	293984	5.00E-87	173	176	98 +	1187	1362	175533	175708
UN10563	Rsa1.0_00697.1	1487	67913	1.00E-115	229	235	97 -	765	999	57671	57905
UN10564	Rsa1.0_13353.1	1356	4894	0	567	569	99 +	245	813	4326	4894
UN10565	Rsa1.0_00407.1	1728	191544	0	1241	1242	99 -	3	1244	166770	168011
UN10566	Rsa1.0_00710.1	2319	67325	0	943	964	97 +	865	1822	11528	12490
UN10567	Rsa1.0_32838.1	1240	693	0	380	380	100 -	506	885	314	693

UN10568	Rsa1.0_01958.1	750	261128	7.00E-88	195	205	95 +	527	731	134810	135009
UN10569	Rsa1.0_02173.1	1235	34318	1.00E-118	225	228	98 +	1	228	15510	15737
UN10570	Rsa1.0_33997.1	1559	666	0	486	488	99 +	3	490	179	666
UN10571	Rsa1.0_04845.1	1462	15747	1.00E-111	220	225	97 -	1055	1279	4169	4393
UN10572	Rsa1.0_00896.1	896	60509	0	650	652	99 -	184	835	38792	39443
UN10573	Rsa1.0_00850.1	526	62193	0	401	406	98 +	1	406	5941	6346
UN10574	Rsa1.0_03062.1	1638	25678	0	465	467	99 -	3	469	8175	8641
UN10575	Rsa1.0_00122.1	590	265937	0	559	575	97 +	10	583	224759	225333
UN10576	Rsa1.0_01837.1	793	38502	0	789	791	99 -	3	793	3739	4529
UN10577	Rsa1.0_00893.1	1047	60626	0	495	506	97 +	38	543	46402	46907
UN10578	Rsa1.0_00064.1	852	240927	0	845	850	99 +	1	850	123684	124533
UN10579	Rsa1.0_00240.1	1200	104175	1.00E-123	274	289	94 -	913	1200	53548	53836
UN10580	Rsa1.0_00050.1	1404	237174	0	875	876	99 -	1	876	124201	125076
UN10581	Rsa1.0_00108.1	1288	478491	1.00E-155	335	350	95 -	114	459	463726	464071
UN10582	Rsa1.0_03140.1	1166	25081	0	387	390	99 +	506	895	12030	12419
UN10583	Rsa1.0_02730.1	1186	28385	0	373	373	100 -	814	1186	2508	2880
UN10584	Rsa1.0_02794.1	1186	27820	1.00E-176	317	318	99 +	869	1186	18902	19219
UN10585	Rsa1.0_00351.1	1104	413096	0	567	568	99 -	2	569	376778	377345
UN10586	Rsa1.0_00001.1	1294	363028	1.00E-177	325	327	99 -	1	327	319592	319916
UN10587	Rsa1.0_00281.1	1120	99908	1.00E-150	276	278	99 -	74	351	6793	7070
UN10588	Rsa1.0_01591.1	1268	42718	1.00E-168	370	393	94 +	863	1249	24117	24506
UN10589	Rsa1.0_00019.1	1291	301669	0	612	621	98 +	67	687	100107	100727
UN10590	Rsa1.0_12292.1	1023	5263	0	743	744	99 +	280	1023	1	744
UN10591	Rsa1.0_01412.1	949	46311	0	511	520	98 -	7	526	2268	2787
UN10592	Rsa1.0_01418.1	1006	46237	1.00E-173	312	313	99 +	694	1006	7186	7498
UN10593	Rsa1.0_02430.1	1013	31506	0	735	740	99 -	274	1013	12837	13576
UN10594	Rsa1.0_00018.1	1043	410899	1.00E-106	268	288	93 +	741	1025	262610	262892
UN10595	Rsa1.0_00063.1	950	156150	1.00E-178	359	373	96 -	1	373	138349	138721
UN10596	Rsa1.0_00756.1	785	65628	0	397	402	98 +	376	776	57538	57939
UN10597	Rsa1.0_03539.1	963	22199	1.00E-138	276	282	97 +	680	961	7072	7351
UN10598	Rsa1.0_00380.1	833	89748	0	663	679	97 -	1	676	83924	84598
UN10599	Rsa1.0_00144.1	1282	120708	1.00E-113	217	220	98 -	464	683	13724	13943
UN10600	Rsa1.0_01853.1	1298	147800	0	489	497	98 +	804	1298	128509	129003
UN10601	Rsa1.0_05321.1	2279	14154	5.00E-73	153	157	97 +	1749	1905	6323	6479
UN10602	Rsa1.0_00706.1	1130	291570	0	642	664	96 +	15	674	23300	23961
UN10603	Rsa1.0_07444.1	1633	9386	0	470	473	99 -	604	1076	918	1390
UN10604	Rsa1.0_15033.1	687	2880	0	542	573	94 -	115	683	128	700
UN10605	Rsa1.0_05945.1	1227	12149	0	366	366	100 +	27	392	11752	12117
UN10606	Rsa1.0_01106.1	941	53916	0	552	560	98 +	383	939	30702	31260

UN10607	Rsa1.0.01089.1	1734	142191	0	696	696	100 +	1030	1725	103236	103931
UN10608	Rsa1.0.02945.1	1529	26548	0	1001	1005	99 -	289	1293	8396	9400
UN10609	Rsa1.0.08916.1	1555	6792	0	1263	1279	98 +	276	1548	5181	6458
UN10610	Rsa1.0.03978.1	1088	19753	0	359	368	97 -	16	380	11983	12350
UN10611	Rsa1.0.07381.1	967	9488	0	590	590	100 +	1	590	3898	4487
UN10612	Rsa1.0.00302.1	1221	97521	1.00E-159	300	305	98 +	915	1219	67021	67325
UN10613	Rsa1.0.18510.1	1041	1586	0	560	602	93 -	444	1040	1001	1586
UN10614	Rsa1.0.04243.1	1329	18321	1.00E-165	295	295	100 +	1	295	2892	3186
UN10615	Rsa1.0.02994.1	674	26168	0	654	658	99 +	12	669	2139	2795
UN10616	Rsa1.0.03114.1	805	25318	0	515	551	93 -	4	552	6565	7106
UN10617	Rsa1.0.00116.1	1502	365886	0	606	621	97 -	887	1501	242226	242843
UN10618	Rsa1.0.02563.1	1339	30050	0	531	535	99 -	4	538	29101	29635
UN10619	Rsa1.0.60174.1	858	381	1.00E-149	268	268	100 -	556	823	1	268
UN10620	Rsa1.0.03860.1	756	20407	0	496	517	95 -	245	755	15804	16316
UN10621	Rsa1.0.02435.1	928	31454	0	353	358	98 -	3	360	20980	21334
UN10622	Rsa1.0.01439.1	1002	45841	0	1000	1002	99 +	1	1002	27658	28659
UN10623	Rsa1.0.00701.1	1100	67691	0	632	635	99 -	466	1100	5281	5915
UN10624	Rsa1.0.01051.1	1175	55577	0	711	733	96 -	184	912	3695	4422
UN10625	Rsa1.0.00793.1	661	64103	1.00E-119	241	249	96 +	413	661	24186	24434
UN10626	Rsa1.0.04518.1	1825	17005	0	517	543	95 -	600	1141	11675	12209
UN10627	Rsa1.0.01931.1	726	37187	1.00E-154	338	358	94 -	7	364	32029	32373
UN10628	Rsa1.0.03843.1	1049	20496	1.00E-157	370	398	92 +	17	408	6124	6521
UN10629	Rsa1.0.01078.1	1900	316910	0	812	843	96 -	1059	1900	280066	280905
UN10630	Rsa1.0.01786.1	1173	133324	0	821	868	94 -	226	1087	98698	99561
UN10631	Rsa1.0.00097.1	1058	138858	0	342	344	99 -	14	357	65577	65920
UN10632	Rsa1.0.00101.1	689	267193	1.00E-122	243	247	98 -	444	689	119126	119371
UN10633	Rsa1.0.01896.1	1819	37512	0	1234	1251	98 +	351	1600	20513	21763
UN10634	Rsa1.0.08846.1	436	6867	4.00E-48	107	110	97 +	99	208	1959	2068
UN10635	Rsa1.0.01522.1	742	157436	0	407	413	98 -	330	741	3059	3471
UN10636	Rsa1.0.00434.1	1017	85171	1.00E-135	278	288	96 -	2	287	9575	9857
UN10637	Rsa1.0.01536.1	448	43747	0	404	405	99 +	4	408	25749	26153
UN10638	Rsa1.0.00900.1	820	60367	3.00E-96	185	187	98 +	537	723	29648	29834
UN10639	Rsa1.0.25306.1	862	942	1.00E-175	388	411	94 -	340	746	329	735
UN10640	Rsa1.0.00595.1	789	341648	0	623	631	98 +	159	789	12663	13287
UN10641	Rsa1.0.00263.1	826	224968	0	432	450	96 +	368	815	151524	151964
UN10642	Rsa1.0.07775.1	430	8594	0	425	430	98 +	1	430	281	709
UN10643	Rsa1.0.02405.1	785	31692	1.00E-156	348	370	94 +	3	369	17028	17383
UN10644	Rsa1.0.03843.1	1126	20496	0	444	488	90 +	5	471	6051	6521
UN10645	Rsa1.0.02212.1	793	33840	0	752	790	95 -	4	793	25149	25932

UN10646	Rsa1.0.00715.1	593	67116	1.00E-172	475	530	89 +	10	538	63627	64136
UN10647	Rsa1.0.00354.1	900	232005	1.00E-147	307	320	95 +	569	887	170578	170897
UN10648	Rsa1.0.32300.1	954	705	5.00E-68	135	136	99 -	601	736	44	179
UN10649	Rsa1.0.01740.1	893	39986	0	360	360	100 -	428	787	26707	27066
UN10650	Rsa1.0.03851.1	1476	20451	0	452	452	100 +	1022	1473	11491	11942
UN10651	Rsa1.0.00223.1	679	106231	3.00E-93	177	178	99 -	502	679	72335	72512
UN10652	Rsa1.0.08259.1	1112	7641	1.00E-154	346	369	93 -	2	358	3089	3455
UN10653	Rsa1.0.00041.1	711	186197	1.00E-141	276	282	97 -	430	711	127152	127432
UN10654	Rsa1.0.01588.1	289	42724	1.00E-145	282	288	97 -	2	289	12918	13204
UN10655	Rsa1.0.03460.1	837	22747	0	425	440	96 -	208	646	12965	13404
UN10656	Rsa1.0.00337.1	629	143174	7.00E-69	148	153	96 -	477	629	128208	128360
UN10657	Rsa1.0.02103.1	725	35006	1.00E-139	263	267	98 +	459	725	24076	24342
UN10658	Rsa1.0.00944.1	925	58733	0	595	627	94 +	302	923	10746	11368
UN10659	Rsa1.0.06488.1	382	141774	1.00E-109	215	219	98 +	166	382	136121	136339
UN10660	Rsa1.0.00247.1	975	103408	0	487	502	97 -	474	975	6006	6507
UN10661	Rsa1.0.00281.1	678	99908	1.00E-168	313	316	99 +	3	318	11309	11623
UN10662	Rsa1.0.01433.1	912	45976	0	362	363	99 +	3	365	13494	13856
UN10663	Rsa1.0.00882.1	1330	61249	1.00E-129	257	262	98 +	1	260	49147	49407
UN10664	Rsa1.0.01326.1	432	48072	1.00E-127	253	260	97 +	173	432	10896	11151
UN10665	Rsa1.0.01046.1	803	152989	0	535	569	94 +	1	568	118630	119184
UN10666	Rsa1.0.05893.1	1379	12306	1.00E-170	392	419	93 -	8	419	8742	9154
UN10667	Rsa1.0.03344.1	1032	23593	0	432	456	94 +	578	1032	12154	12607
UN10668	Rsa1.0.04235.1	1345	18373	0	1247	1396	89 -	1	1345	11381	12739
UN10669	Rsa1.0.00537.1	471	186980	0	451	475	94 -	2	471	176098	176562
UN10670	Rsa1.0.01101.1	1064	54031	3.00E-94	238	256	92 +	60	311	40325	40577
UN10671	Rsa1.0.01211.1	845	50646	1.00E-147	419	466	89 +	387	835	41797	42258
UN10672	Rsa1.0.01549.1	964	43543	0	442	451	98 +	109	559	592	1042
UN10673	Rsa1.0.01453.1	969	45449	0	375	375	100 +	3	377	25076	25450
UN10674	Rsa1.0.00235.1	501	154696	3.00E-77	223	248	89 -	250	486	143801	144045
UN10675	Rsa1.0.00668.1	905	69421	1.00E-110	352	403	87 +	521	901	55635	56035
UN10676	Rsa1.0.07955.1	830	8180	1.00E-174	309	309	100 +	522	830	6422	6730
UN10677	Rsa1.0.00016.1	1137	831256	1.00E-138	289	300	96 -	841	1137	348675	348974
UN10678	Rsa1.0.03956.1	665	19872	1.00E-115	292	317	92 -	47	357	16858	17171
UN10679	Rsa1.0.00213.1	948	108167	0	766	807	94 -	144	948	34732	35527
UN10680	Rsa1.0.01221.1	1360	50421	1.00E-147	318	335	94 +	1030	1360	49364	49694
UN10681	Rsa1.0.02392.1	910	152517	1.00E-127	274	287	95 -	619	905	7785	8070
UN10682	Rsa1.0.01058.1	867	55430	0	864	867	99 -	1	865	34187	35053
UN10683	Rsa1.0.00061.1	1408	218685	0	1252	1285	97 +	125	1408	185100	186383
UN10684	Rsa1.0.02105.1	679	156953	1.00E-162	347	363	95 +	320	679	9327	9686

UN10685	Rsa1.0.02903.1	831	26901	0	432	451	95 -	3	451	14022	14466
UN10686	Rsa1.0.28307.1	1802	820	0	773	841	91 +	706	1540	1	820
UN10687	Rsa1.0.06386.1	609	140583	0	415	422	98 -	186	607	134600	135021
UN10688	Rsa1.0.00152.1	1136	257730	0	836	845	98 -	4	848	81107	81951
UN10689	Rsa1.0.02265.1	717	33233	1.00E-122	238	243	97 +	199	441	9083	9325
UN10690	Rsa1.0.00059.1	762	159650	1.00E-166	302	304	99 -	204	507	45276	45579
UN10691	Rsa1.0.01545.1	910	43599	1.00E-174	322	326	98 -	98	423	32611	32936
UN10692	Rsa1.0.00087.1	1018	761073	1.00E-153	287	291	98 -	407	697	729346	729636
UN10693	Rsa1.0.04874.1	735	15652	1.00E-134	259	262	98 +	3	264	15379	15637
UN10694	Rsa1.0.00394.1	916	148426	1.00E-118	347	385	90 -	543	914	105823	106207
UN10695	Rsa1.0.01058.1	1223	55430	5.00E-96	185	187	98 -	126	312	22337	22523
UN10696	Rsa1.0.00310.1	1288	96852	0	452	474	95 -	815	1288	82816	83289
UN10697	Rsa1.0.04535.1	1348	136600	0	710	729	97 +	618	1346	126575	127303
UN10698	Rsa1.0.42534.1	1289	528	0	525	528	99 +	132	659	1	528
UN10699	Rsa1.0.02372.1	932	32053	1.00E-142	269	272	98 +	662	932	23597	23868
UN10700	Rsa1.0.00022.1	750	200461	0	516	542	95 +	3	540	22593	23133
UN10701	Rsa1.0.04395.1	1604	17570	0	1531	1605	95 -	3	1604	6924	8512
UN10702	Rsa1.0.06323.1	807	11236	0	653	662	98 -	147	807	7477	8138
UN10703	Rsa1.0.17779.1	1136	1742	0	809	829	97 +	67	892	914	1742
UN10704	Rsa1.0.00092.1	940	659932	0	795	836	95 -	115	940	21377	22206
UN10705	Rsa1.0.04279.1	760	18113	1.00E-145	286	293	97 +	7	298	14291	14583
UN10706	Rsa1.0.02320.1	1620	32575	1.00E-143	314	331	94 -	1290	1620	6264	6588
UN10707	Rsa1.0.01287.1	1185	49195	0	488	501	97 -	683	1183	5836	6336
UN10708	Rsa1.0.08609.1	825	7132	0	495	509	97 -	304	809	5515	6023
UN10709	Rsa1.0.02204.1	1114	33930	0	486	505	96 +	2	498	20620	21120
UN10710	Rsa1.0.03843.1	1243	20496	0	769	779	98 +	1	779	3640	4418
UN10711	Rsa1.0.00041.1	1300	186197	1.00E-167	420	458	91 -	604	1060	159530	159986
UN10712	Rsa1.0.03166.1	1226	24863	0	391	405	96 -	800	1200	5364	5765
UN10713	Rsa1.0.01726.1	390	40263	1.00E-125	352	387	90 -	4	385	6807	7178
UN10714	Rsa1.0.01740.1	747	39986	0	709	768	92 +	1	746	11555	12315
UN10715	Rsa1.0.00979.1	756	57733	0	573	599	95 -	156	754	27178	27762
UN10716	Rsa1.0.00196.1	1231	109960	0	780	800	97 +	435	1231	90095	90894
UN10717	Rsa1.0.00110.1	591	132719	0	451	482	93 -	1	482	32257	32727
UN10718	Rsa1.0.00467.1	686	156542	0	630	676	93 -	2	676	94473	95139
UN10719	Rsa1.0.03627.1	776	21658	1.00E-163	381	408	93 +	376	776	8024	8431
UN10720	Rsa1.0.00012.1	1063	222148	0	786	848	92 +	133	965	110286	111109
UN10721	Rsa1.0.03439.1	830	22930	0	756	756	100 +	68	823	14985	15740
UN10722	Rsa1.0.03477.1	1174	22635	0	545	590	92 +	303	875	15370	15958
UN10723	Rsa1.0.01293.1	705	49139	1.00E-166	376	395	95 -	321	705	34533	34924

UN10724	Rsa1.0_04973.1	951	15267	0	774	784	98 +	1	784	12214	12996
UN10725	Rsa1.0_07559.1	906	9131	1.00E-102	248	265	93 -	174	437	1879	2142
UN10726	Rsa1.0_02803.1	942	27715	1.00E-153	343	366	93 -	577	942	2352	2717
UN10727	Rsa1.0_02604.1	786	29638	1.00E-171	327	333	98 -	2	333	28224	28556
UN10728	Rsa1.0_00385.1	704	89160	0	683	701	97 -	5	704	16178	16878
UN10729	Rsa1.0_05653.1	550	13043	0	474	478	99 +	73	550	9994	10471
UN10730	Rsa1.0_00807.1	678	63607	0	374	376	99 -	303	678	54492	54866
UN10731	Rsa1.0_04504.1	994	17069	0	684	714	95 -	290	994	8748	9457
UN10732	Rsa1.0_15167.1	1474	2783	0	598	606	98 +	214	818	896	1501
UN10733	Rsa1.0_00012.1	925	222148	1.00E-156	347	374	92 -	259	632	76837	77192
UN10734	Rsa1.0_02413.1	1728	31628	0	692	716	96 -	463	1177	7791	8498
UN10735	Rsa1.0_01130.1	1191	52929	1.00E-167	350	366	95 +	832	1191	44531	44896
UN10736	Rsa1.0_03969.1	472	19797	1.00E-136	322	347	92 -	126	472	16653	16996
UN10737	Rsa1.0_00661.1	951	213041	1.00E-151	311	323	96 -	9	331	195844	196165
UN10738	Rsa1.0_00176.1	651	240984	0	570	636	89 -	4	620	9780	10392
UN10739	Rsa1.0_01543.1	799	43645	1.00E-143	306	322	95 -	478	799	7865	8186
UN10740	Rsa1.0_00586.1	1135	163802	0	422	453	93 -	6	458	119295	119746
UN10741	Rsa1.0_02190.1	1228	34084	0	843	844	99 -	385	1228	28789	29632
UN10742	Rsa1.0_00539.1	785	76926	1.00E-177	358	372	96 -	414	785	57283	57650
UN10743	Rsa1.0_02414.1	864	31625	0	736	750	98 -	114	863	19100	19848
UN10744	Rsa1.0_00312.1	889	96765	1.00E-175	320	323	99 -	566	888	77984	78306
UN10745	Rsa1.0_02672.1	828	28884	1.00E-115	229	235	97 +	3	237	15539	15773
UN10746	Rsa1.0_00414.1	748	202190	0	395	407	97 +	343	748	22226	22628
UN10747	Rsa1.0_02835.1	862	27491	1.00E-114	271	293	92 -	3	288	21042	21327
UN10748	Rsa1.0_05572.1	489	13291	3.00E-98	201	206	97 -	59	263	11854	12059
UN10749	Rsa1.0_01239.1	1502	50107	1.00E-147	283	289	97 -	1214	1502	20875	21163
UN10750	Rsa1.0_00449.1	1772	83863	0	439	454	96 +	1319	1770	2417	2867
UN10751	Rsa1.0_00048.1	798	167185	0	430	461	93 -	13	470	146592	147043
UN10752	Rsa1.0_00480.1	806	81325	0	599	622	96 +	2	623	7037	7640
UN10753	Rsa1.0_00348.1	788	92818	0	584	617	94 -	93	699	3332	3946
UN10754	Rsa1.0_00216.1	1093	197563	1.00E-120	229	232	98 +	582	813	88910	89141
UN10755	Rsa1.0_01536.1	784	43747	0	565	593	95 -	193	784	18759	19349
UN10756	Rsa1.0_01063.1	974	55301	0	543	548	99 +	1	547	2774	3321
UN10757	Rsa1.0_00802.1	906	63846	0	450	460	97 +	447	906	26567	27020
UN10758	Rsa1.0_01607.1	765	42328	9.00E-32	100	107	93 -	14	120	30704	30808
UN10759	Rsa1.0_17040.1	746	1944	1.00E-162	333	347	95 -	20	363	195	541
UN10760	Rsa1.0_00340.1	786	305782	2.00E-91	180	183	98 -	247	429	195108	195290
UN10761	Rsa1.0_01898.1	614	37491	0	394	404	97 +	160	563	33926	34329
UN10762	Rsa1.0_00987.1	814	57543	0	802	815	98 +	1	813	402	1215

UN10763	Rsa1.0.00344.1	898	191774	0	586	586	100 +	313	898	155554	156139
UN10764	Rsa1.0.00019.1	1546	301669	0	1084	1163	93 +	3	1164	276419	277557
UN10765	Rsa1.0.11912.1	1468	5372	0	841	844	99 +	513	1356	1377	2220
UN10766	Rsa1.0.00105.1	823	134138	0	593	621	95 +	209	823	81104	81721
UN10767	Rsa1.0.00107.1	1169	431659	0	391	402	97 +	3	402	298704	299101
UN10768	Rsa1.0.01544.1	1575	185602	0	724	739	97 -	3	738	33890	34627
UN10769	Rsa1.0.00457.1	1172	337301	0	1102	1173	93 +	2	1164	308152	309307
UN10770	Rsa1.0.00695.1	790	68019	2.00E-26	74	78	94 +	334	411	49728	49805
UN10771	Rsa1.0.26056.1	406	908	1.00E-109	219	225	97 +	2	226	528	752
UN10772	Rsa1.0.00016.1	1000	831256	1.00E-157	307	314	97 -	687	999	447826	448139
UN10773	Rsa1.0.05352.1	1148	14079	0	634	673	94 -	22	689	3381	4040
UN10774	Rsa1.0.00286.1	465	98709	1.00E-116	219	220	99 +	247	465	11606	11825
UN10775	Rsa1.0.01388.1	1017	46741	1.00E-160	330	342	96 +	3	344	16561	16900
UN10776	Rsa1.0.00138.1	823	247040	0	437	451	96 +	372	822	234197	234645
UN10777	Rsa1.0.00703.1	1141	67597	1.00E-169	320	326	98 +	593	918	18006	18331
UN10778	Rsa1.0.13696.1	756	4467	0	579	613	94 +	3	609	3855	4467
UN10779	Rsa1.0.01232.1	1073	155185	1.00E-150	323	340	95 -	4	343	134026	134363
UN10780	Rsa1.0.00477.1	961	81556	1.00E-107	222	230	96 -	732	961	61904	62133
UN10781	Rsa1.0.00437.1	1605	84879	1.00E-117	310	342	90 +	807	1148	23217	23558
UN10782	Rsa1.0.10038.1	707	6029	0	419	424	98 -	284	707	5124	5543
UN10783	Rsa1.0.00082.1	1026	237584	1.00E-107	226	233	96 +	795	1026	38683	38913
UN10784	Rsa1.0.01061.1	1389	55349	0	368	377	97 +	1015	1389	17393	17769
UN10785	Rsa1.0.00336.1	853	445051	0	475	477	99 -	3	479	16575	17051
UN10786	Rsa1.0.00107.1	1037	431659	0	555	557	99 -	480	1036	165603	166159
UN10787	Rsa1.0.01408.1	454	46383	1.00E-177	368	383	96 +	59	439	34615	34997
UN10788	Rsa1.0.00380.1	832	89748	1.00E-135	247	248	99 -	204	451	78451	78698
UN10789	Rsa1.0.00302.1	1477	97521	0	918	936	98 +	544	1477	61024	61959
UN10790	Rsa1.0.04179.1	837	18633	0	666	682	97 +	119	800	15932	16613
UN10791	Rsa1.0.01230.1	795	50221	0	678	695	97 -	36	726	15664	16358
UN10792	Rsa1.0.00582.1	1594	74333	0	386	398	96 +	90	486	15883	16274
UN10793	Rsa1.0.26314.1	885	897	0	414	429	96 -	439	861	109	537
UN10794	Rsa1.0.00063.1	1180	156150	0	619	626	98 +	554	1178	142261	142886
UN10795	Rsa1.0.00342.1	1626	93695	1.00E-174	418	453	92 -	62	492	15020	15471
UN10796	Rsa1.0.09538.1	879	6301	1.00E-121	224	225	99 -	645	869	2206	2430
UN10797	Rsa1.0.50623.1	286	449	5.00E-31	93	101	92 -	162	262	349	449
UN10798	Rsa1.0.01705.1	1007	40710	1.00E-176	709	844	84 -	6	834	19076	19919
UN10799	Rsa1.0.01456.1	747	45372	1.00E-165	313	318	98 +	432	747	9266	9583
UN10800	Rsa1.0.05376.1	779	13977	0	463	483	95 +	273	754	5384	5865
UN10801	Rsa1.0.01328.1	1163	48021	1.00E-132	247	248	99 +	3	249	19715	19962

UN10802	Rsa1.0.00154.1	628	189461	6.00E-82	200	215	93 -	144	358	52420	52634
UN10803	Rsa1.0.00377.1	619	90038	1.00E-155	287	290	98 +	5	294	67689	67978
UN10804	Rsa1.0.27986.1	826	831	0	345	348	99 +	478	825	346	692
UN10805	Rsa1.0.00487.1	1130	80674	0	906	918	98 -	214	1129	70391	71306
UN10806	Rsa1.0.05569.1	1055	13311	0	1030	1053	97 +	2	1050	1990	3041
UN10807	Rsa1.0.03634.1	478	145192	1.00E-113	207	207	100 -	1	207	129362	129568
UN10808	Rsa1.0.01355.1	552	47303	6.00E-97	282	313	90 -	241	552	25895	26192
UN10809	Rsa1.0.00224.1	1417	327530	0	414	421	98 -	1	420	195632	196052
UN10810	Rsa1.0.00106.1	1699	133916	0	1062	1100	96 -	601	1699	19193	20287
UN10811	Rsa1.0.44104.1	1323	510	2.00E-52	170	190	89 +	1067	1256	29	217
UN10812	Rsa1.0.00065.1	924	454616	0	827	861	96 -	2	862	414616	415468
UN10813	Rsa1.0.03175.1	1558	24802	0	979	1004	97 +	3	1003	20687	21683
UN10814	Rsa1.0.01173.1	1017	51727	1.00E-118	225	227	99 +	793	1017	10160	10386
UN10815	Rsa1.0.05467.1	636	13649	0	491	509	96 +	130	636	11334	11842
UN10816	Rsa1.0.03190.1	576	24708	0	380	386	98 +	191	576	19575	19960
UN10817	Rsa1.0.06254.1	699	11384	2.00E-57	138	146	94 -	265	410	1306	1451
UN10818	Rsa1.0.02876.1	517	27062	0	504	516	97 +	2	517	5057	5572
UN10819	Rsa1.0.00001.1	931	363028	4.00E-90	229	249	91 -	665	910	190906	191142
UN10820	Rsa1.0.00364.1	523	90951	0	432	432	100 -	1	432	16823	17254
UN10821	Rsa1.0.00110.1	812	132719	0	511	558	91 -	271	803	35301	35850
UN10822	Rsa1.0.00131.1	711	432233	0	668	710	94 -	4	711	45508	46202
UN10823	Rsa1.0.01340.1	885	47805	1.00E-104	254	272	93 +	8	272	20648	20919
UN10824	Rsa1.0.03122.1	782	25207	4.00E-83	163	165	98 -	283	447	7333	7497
UN10825	Rsa1.0.02170.1	434	34352	0	432	435	99 +	1	434	32948	33382
UN10826	Rsa1.0.00978.1	1435	57739	0	973	1059	91 -	417	1435	17066	18112
UN10827	Rsa1.0.00044.1	1030	271658	2.00E-86	172	175	98 +	855	1029	264749	264923
UN10828	Rsa1.0.05890.1	642	12317	2.00E-72	223	251	88 +	1	235	735	976
UN10829	Rsa1.0.00252.1	942	102760	0	334	335	99 -	3	337	64920	65254
UN10830	Rsa1.0.12954.1	403	5066	3.00E-39	86	87	98 +	197	283	4552	4638
UN10831	Rsa1.0.01085.1	1356	54539	1.00E-115	237	243	97 -	3	243	12212	12454
UN10832	Rsa1.0.01239.1	2744	50107	0	1565	1624	96 -	3	1619	18949	20553
UN10833	Rsa1.0.02068.1	596	35432	0	406	406	100 +	1	406	15206	15611
UN10834	Rsa1.0.01004.1	879	56975	0	802	876	91 +	18	877	17034	17899
UN10835	Rsa1.0.00930.1	812	59224	1.00E-153	284	286	99 -	2	287	49934	50218
UN10836	Rsa1.0.00060.1	1411	502678	1.00E-176	356	368	96 +	1	366	368883	369249
UN10837	Rsa1.0.00481.1	469	81316	0	375	377	99 +	3	379	10479	10855
UN10838	Rsa1.0.00234.1	1137	197060	0	404	415	97 -	374	788	144150	144564
UN10839	Rsa1.0.02372.1	1057	32053	0	512	524	97 -	1	523	24847	25369
UN10840	Rsa1.0.00757.1	881	65559	0	569	585	97 -	1	580	35781	36364

UN10841	Rsa1.0.01422.1	762	46172	8.00E-91	223	234	95 -	3	234	1	231
UN10842	Rsa1.0.00329.1	1433	222544	0	1069	1157	92 -	286	1429	48995	50142
UN10843	Rsa1.0.02011.1	969	36088	0	665	667	99 +	301	967	24827	25493
UN10844	Rsa1.0.01857.1	859	38103	1.00E-138	298	313	95 -	542	852	6812	7124
UN10845	Rsa1.0.26014.1	1110	910	1.00E-160	289	290	99 -	821	1110	236	525
UN10846	Rsa1.0.01514.1	1235	44222	0	890	902	98 -	1	901	22059	22960
UN10847	Rsa1.0.02411.1	645	31655	0	373	375	99 +	1	375	27171	27544
UN10848	Rsa1.0.01578.1	1096	42880	1.00E-151	283	287	98 +	202	488	11676	11962
UN10849	Rsa1.0.01565.1	912	155447	0	887	918	96 +	1	912	146485	147395
UN10850	Rsa1.0.03473.1	814	22665	0	690	692	99 +	12	703	7841	8532
UN10851	Rsa1.0.01534.1	1880	43764	0	892	916	97 -	121	1033	10551	11464
UN10852	Rsa1.0.00254.1	902	102600	0	492	512	96 +	4	515	52348	52845
UN10853	Rsa1.0.03079.1	1595	25545	0	926	932	99 +	2	931	9087	10016
UN10854	Rsa1.0.01149.1	867	160459	1.00E-108	220	227	96 +	258	484	154480	154706
UN10855	Rsa1.0.00947.1	729	58664	0	427	440	97 -	1	438	48225	48664
UN10856	Rsa1.0.00460.1	820	206387	0	495	514	96 +	16	529	27284	27783
UN10857	Rsa1.0.08558.1	994	7198	1.00E-134	359	392	91 +	8	393	2337	2721
UN10858	Rsa1.0.01130.1	1328	52929	1.00E-116	254	265	95 -	1	262	44655	44915
UN10859	Rsa1.0.01061.1	964	55349	1.00E-105	230	237	97 -	1	233	42974	43209
UN10860	Rsa1.0.00082.1	1138	237584	0	1091	1146	95 -	2	1138	105717	106850
UN10861	Rsa1.0.00495.1	668	79934	1.00E-179	328	330	99 -	238	566	14814	15143
UN10862	Rsa1.0.01110.1	805	195852	0	572	603	94 +	204	805	16834	17432
UN10863	Rsa1.0.48630.1	824	466	1.00E-166	339	353	96 -	18	370	1	353
UN10864	Rsa1.0.03646.1	1175	21598	1.00E-127	240	243	98 -	1	243	15617	15859
UN10865	Rsa1.0.01541.1	808	43682	0	500	509	98 -	300	808	4271	4779
UN10866	Rsa1.0.01697.1	1001	40837	1.00E-164	347	362	95 -	35	396	19131	19485
UN10867	Rsa1.0.00466.1	920	82132	0	786	831	94 -	1	818	27152	27979
UN10868	Rsa1.0.00161.1	1097	116891	0	622	643	96 +	456	1097	99195	99825
UN10869	Rsa1.0.04737.1	1425	16173	0	630	656	96 -	128	783	2705	3359
UN10870	Rsa1.0.07446.1	957	9384	0	415	423	98 +	533	955	1803	2225
UN10871	Rsa1.0.02964.1	1207	26407	1.00E-149	289	296	97 -	1	296	14541	14836
UN10872	Rsa1.0.03164.1	540	24887	0	517	540	95 -	1	540	11429	11968
UN10873	Rsa1.0.00157.1	799	245832	1.00E-151	297	304	97 -	11	314	187327	187629
UN10874	Rsa1.0.00869.1	671	61627	1.00E-107	221	229	96 +	142	370	53993	54221
UN10875	Rsa1.0.17551.1	876	1799	0	856	868	98 +	7	870	368	1234
UN10876	Rsa1.0.00898.1	653	202772	1.00E-161	288	288	100 -	15	302	8777	9064
UN10877	Rsa1.0.02505.1	1050	30703	1.00E-153	330	347	95 -	704	1050	10020	10365
UN10878	Rsa1.0.08630.1	1525	7104	0	1480	1519	97 -	11	1524	4794	6312
UN10879	Rsa1.0.06492.1	608	10913	0	498	508	98 +	1	508	6242	6745

UN10880	Rsa1.0.00191.1	915	316976	0	417	421	99 -	1	421	160979	161398
UN10881	Rsa1.0.01061.1	865	55349	0	391	405	96 -	1	403	17654	18057
UN10882	Rsa1.0.53975.1	846	422	2.00E-94	228	243	93 -	2	242	37	278
UN10883	Rsa1.0.11545.1	478	5474	1.00E-122	352	393	89 -	1	384	4900	5282
UN10884	Rsa1.0.00615.1	762	72235	0	728	761	95 +	2	762	60743	61480
UN10885	Rsa1.0.00589.1	1239	209965	1.00E-110	278	304	91 +	1	286	188569	188872
UN10886	Rsa1.0.07334.1	940	9547	1.00E-164	327	336	97 -	1	333	683	1018
UN10887	Rsa1.0.00377.1	597	90038	0	560	589	95 -	9	597	69290	69874
UN10888	Rsa1.0.00040.1	1883	324196	0	662	676	97 +	824	1494	261473	262142
UN10889	Rsa1.0.00203.1	1112	109129	7.00E-86	251	282	89 +	760	1041	89591	89863
UN10890	Rsa1.0.08575.1	1542	7180	0	457	458	99 -	897	1354	5922	6379
UN10891	Rsa1.0.00015.1	1330	561803	0	1134	1171	96 -	162	1330	478490	479655
UN10892	Rsa1.0.00060.1	1102	502678	0	493	520	94 -	13	517	144937	145456
UN10893	Rsa1.0.00083.1	1045	442773	0	857	893	95 -	129	1015	359544	360429
UN10894	Rsa1.0.73033.1	715	314	1.00E-152	309	317	97 -	251	567	1	314
UN10895	Rsa1.0.00701.1	1170	67691	3.00E-94	282	319	88 +	791	1100	23226	23528
UN10896	Rsa1.0.02064.1	1044	35476	0	482	505	95 -	545	1043	16521	17023
UN10897	Rsa1.0.01536.1	1063	43747	0	801	865	92 -	16	860	18915	19773
UN10898	Rsa1.0.01339.1	864	47813	2.00E-57	139	145	95 +	3	144	12190	12334
UN10899	Rsa1.0.00736.1	1185	66455	0	1012	1041	97 +	146	1185	50684	51717
UN10900	Rsa1.0.04041.1	751	19430	8.00E-97	213	224	95 -	1	224	463	686
UN10901	Rsa1.0.01248.1	710	154103	1.00E-106	256	276	92 +	367	639	42217	42486
UN10902	Rsa1.0.01476.1	1185	172928	1.00E-125	285	303	94 -	884	1185	137458	137754
UN10903	Rsa1.0.03761.1	843	20982	1.00E-176	328	333	98 +	509	841	722	1054
UN10904	Rsa1.0.01239.1	763	50107	1.00E-105	212	217	97 +	1	215	17160	17376
UN10905	Rsa1.0.00016.1	926	831256	1.00E-150	319	334	95 +	593	926	426234	426566
UN10906	Rsa1.0.03594.1	780	21868	0	489	503	97 -	278	780	15578	16080
UN10907	Rsa1.0.04520.1	462	16995	1.00E-85	234	256	91 +	191	443	11580	11835
UN10908	Rsa1.0.00792.1	550	64163	2.00E-65	186	202	92 +	348	541	7358	7558
UN10909	Rsa1.0.00019.1	424	301669	1.00E-145	357	390	91 -	56	422	286292	286681
UN10910	Rsa1.0.00165.1	1082	116466	1.00E-142	355	389	91 -	3	376	51074	51454
UN10911	Rsa1.0.00533.1	1224	77375	1.00E-122	266	279	95 -	124	402	66092	66369
UN10912	Rsa1.0.00307.1	1044	199003	1.00E-108	268	287	93 -	10	293	88766	89052
UN10913	Rsa1.0.00345.1	815	93226	0	645	687	93 -	136	806	23826	24499
UN10914	Rsa1.0.00757.1	1304	65559	1.00E-142	265	267	99 -	1038	1304	58108	58372
UN10915	Rsa1.0.01328.1	664	48021	0	535	555	96 +	111	662	17568	18114
UN10916	Rsa1.0.03042.1	942	25803	0	429	430	99 +	513	942	9536	9965
UN10917	Rsa1.0.00285.1	1190	149638	1.00E-124	305	331	92 +	75	396	95084	95414
UN10918	Rsa1.0.04027.1	935	19501	0	689	776	88 +	163	926	6199	6952

UN10919	Rsa1.0.03385.1	979	23280	0	562	571	98 +	3	573	14015	14585
UN10920	Rsa1.0.00329.1	718	222544	4.00E-89	254	280	90 -	450	717	178122	178397
UN10921	Rsa1.0.11872.1	1059	5384	1.00E-126	321	345	93 -	710	1047	606	947
UN10922	Rsa1.0.02987.1	1420	26196	0	584	602	97 +	819	1420	21354	21955
UN10923	Rsa1.0.01294.1	1463	49090	0	1176	1232	95 -	229	1460	284	1512
UN10924	Rsa1.0.02165.1	833	34423	1.00E-166	309	313	98 +	1	313	12551	12863
UN10925	Rsa1.0.03294.1	789	23971	0	492	503	97 +	3	505	21764	22266
UN10926	Rsa1.0.00418.1	1983	215377	0	482	498	96 +	1171	1668	4220	4717
UN10927	Rsa1.0.00324.1	749	218805	0	637	651	97 -	99	749	216761	217409
UN10928	Rsa1.0.00425.1	1094	147080	0	663	668	99 +	1	668	85979	86646
UN10929	Rsa1.0.02608.1	891	29613	0	470	497	94 +	21	512	22131	22620
UN10930	Rsa1.0.05753.1	2229	12732	0	961	966	99 +	489	1451	11407	12372
UN10931	Rsa1.0.01896.1	1398	37512	0	1382	1405	98 +	2	1398	5758	7162
UN10932	Rsa1.0.00040.1	1889	324196	1.00E-108	202	203	99 -	1053	1255	267043	267245
UN10933	Rsa1.0.03143.1	1079	25024	0	608	648	93 +	444	1079	12212	12850
UN10934	Rsa1.0.00410.1	1037	86957	1.00E-123	279	291	95 +	376	663	20313	20600
UN10935	Rsa1.0.07606.1	657	9035	0	629	656	95 -	9	657	1976	2623
UN10936	Rsa1.0.00492.1	1405	80178	0	648	676	95 -	733	1401	26004	26677
UN10937	Rsa1.0.00107.1	819	431659	8.00E-85	235	260	90 -	561	819	254238	254478
UN10938	Rsa1.0.01397.1	862	183276	0	799	831	96 +	7	832	16441	17269
UN10939	Rsa1.0.00404.1	918	87635	0	913	915	99 -	1	915	17495	18409
UN10940	Rsa1.0.00642.1	1405	201230	0	939	1005	93 +	406	1400	157947	158941
UN10941	Rsa1.0.02803.1	724	27715	1.00E-162	333	347	95 +	25	368	18769	19115
UN10942	Rsa1.0.01655.1	896	41508	0	503	503	100 -	394	896	1620	2122
UN10943	Rsa1.0.00394.1	565	148426	0	439	470	93 +	86	549	138987	139445
UN10944	Rsa1.0.00784.1	1022	64359	1.00E-151	370	394	93 -	630	1019	7625	8009
UN10945	Rsa1.0.00060.1	654	502678	1.00E-145	288	297	96 +	3	299	499386	499682
UN10946	Rsa1.0.00218.1	910	201480	1.00E-166	299	300	99 +	611	910	147248	147547
UN10947	Rsa1.0.02104.1	495	34985	1.00E-119	278	292	95 +	192	480	23511	23799
UN10948	Rsa1.0.00767.1	1202	64980	2.00E-92	260	288	90 -	4	289	18547	18819
UN10949	Rsa1.0.66323.1	458	345	1.00E-156	291	295	98 -	3	297	1	295
UN10950	Rsa1.0.00824.1	865	188447	0	583	597	97 +	58	654	154502	155098
UN10951	Rsa1.0.00079.1	1416	606987	0	385	401	96 -	2	402	450064	450464
UN10952	Rsa1.0.00347.1	1600	93048	0	399	419	95 +	1187	1600	12000	12414
UN10953	Rsa1.0.01948.1	711	36966	0	697	707	98 +	2	708	21363	22069
UN10954	Rsa1.0.03781.1	1138	20891	1.00E-176	360	378	95 +	140	517	1213	1578
UN10955	Rsa1.0.02642.1	1002	29181	0	796	818	97 +	179	991	13097	13914
UN10956	Rsa1.0.00025.1	965	277312	0	710	762	93 +	222	964	64911	65667
UN10957	Rsa1.0.00253.1	1170	231292	0	616	645	95 -	222	866	25399	26042

UN10958	Rsa1.0.22094.1	1300	1150	1.00E-180	340	345	98 -	957	1300	725	1069
UN10959	Rsa1.0.00349.1	1451	92621	1.00E-103	191	191	100 -	409	599	41412	41602
UN10960	Rsa1.0.00149.1	1671	305196	0	542	562	96 -	521	1080	200113	200674
UN10961	Rsa1.0.37121.1	1253	607	1.00E-132	338	371	91 +	138	508	237	607
UN10962	Rsa1.0.02785.1	599	27881	1.00E-123	241	246	97 -	353	598	22114	22356
UN10963	Rsa1.0.00639.1	743	165873	0	480	515	93 +	233	742	124129	124625
UN10964	Rsa1.0.05218.1	783	14457	1.00E-113	235	243	96 -	542	783	9617	9859
UN10965	Rsa1.0.00101.1	868	267193	0	821	871	94 +	2	861	192729	193589
UN10966	Rsa1.0.00269.1	848	341668	2.00E-97	202	209	96 +	344	552	322820	323028
UN10967	Rsa1.0.01382.1	963	46877	1.00E-176	369	387	95 -	577	963	16703	17085
UN10968	Rsa1.0.00447.1	924	84051	5.00E-77	162	167	97 -	5	171	26801	26967
UN10969	Rsa1.0.00437.1	937	84879	0	382	396	96 -	26	421	71069	71463
UN10970	Rsa1.0.40049.1	1312	561	2.00E-83	164	166	98 -	951	1116	244	409
UN10971	Rsa1.0.02841.1	1049	27383	1.00E-106	217	220	98 +	833	1049	5500	5719
UN10972	Rsa1.0.00062.1	812	299291	1.00E-108	217	223	97 +	204	426	281388	281610
UN10973	Rsa1.0.00707.1	829	190112	1.00E-138	267	273	97 -	172	444	188378	188650
UN10974	Rsa1.0.01537.1	779	187285	1.00E-125	278	295	94 +	223	517	19498	19792
UN10975	Rsa1.0.00422.1	761	86144	0	451	473	95 +	1	473	32011	32483
UN10976	Rsa1.0.00666.1	1047	69505	0	541	569	95 -	478	1045	41845	42408
UN10977	Rsa1.0.00114.1	736	131330	9.00E-69	142	145	97 +	234	378	117141	117285
UN10978	Rsa1.0.01190.1	665	194501	0	396	414	95 -	246	658	157903	158316
UN10979	Rsa1.0.01013.1	734	56822	1.00E-165	355	370	95 -	369	734	45836	46205
UN10980	Rsa1.0.00014.1	682	348985	7.00E-97	192	196	97 -	11	206	220714	220909
UN10981	Rsa1.0.00914.1	1159	59880	0	1098	1166	94 +	10	1159	12963	14122
UN10982	Rsa1.0.00058.1	804	159921	0	396	410	96 +	307	712	50728	51137
UN10983	Rsa1.0.07314.1	918	9563	0	422	430	98 +	2	431	6290	6719
UN10984	Rsa1.0.00092.1	1001	659932	1.00E-170	428	461	92 +	7	455	504555	505012
UN10985	Rsa1.0.00544.1	1014	76787	1.00E-154	280	281	99 -	418	698	9770	10050
UN10986	Rsa1.0.02767.1	1016	28111	0	979	1033	94 -	2	1016	9776	10806
UN10987	Rsa1.0.01168.1	493	153765	6.00E-75	198	212	93 -	288	493	23484	23689
UN10988	Rsa1.0.00217.1	2017	107079	0	557	578	96 +	14	591	55728	56299
UN10989	Rsa1.0.01382.1	964	46877	1.00E-154	279	280	99 -	685	964	37439	37718
UN10990	Rsa1.0.00224.1	1393	327530	1.00E-180	376	391	96 -	1006	1393	38875	39264
UN10991	Rsa1.0.05827.1	578	12503	1.00E-147	298	309	96 -	2	310	10771	11079
UN10992	Rsa1.0.39537.1	913	569	0	555	569	97 -	346	912	1	569
UN10993	Rsa1.0.00009.1	261	232558	1.00E-62	161	173	93 +	11	183	52203	52373
UN10994	Rsa1.0.06488.1	941	141774	1.00E-167	302	303	99 -	272	574	138123	138425
UN10995	Rsa1.0.01938.1	881	264018	0	584	617	94 -	262	874	159660	160265
UN10996	Rsa1.0.00480.1	576	81325	0	521	523	99 +	54	576	7827	8349

UN10997	Rsa1.0.03081.1	1587	25523	0	805	820	98 -	529	1346	22646	23459
UN10998	Rsa1.0.52681.1	815	432	0	330	332	99 -	80	411	101	432
UN10999	Rsa1.0.07806.1	1165	8506	1.00E-139	278	286	97 -	883	1165	7007	7292
UN11000	Rsa1.0.11948.1	813	5363	1.00E-134	330	359	91 -	475	810	5007	5363
UN11001	Rsa1.0.03842.1	1239	20503	0	599	609	98 +	585	1190	8299	8907
UN11002	Rsa1.0.02128.1	1218	34758	1.00E-127	262	271	96 +	949	1218	16398	16668
UN11003	Rsa1.0.02637.1	1116	29244	1.00E-159	311	319	97 +	799	1114	6155	6473
UN11004	Rsa1.0.01300.1	1373	48942	0	484	498	97 +	882	1373	46684	47181
UN11005	Rsa1.0.02266.1	1578	33195	0	611	631	96 -	620	1250	30338	30965
UN11006	Rsa1.0.09130.1	724	6623	0	626	654	95 -	65	715	3374	4021
UN11007	Rsa1.0.00900.1	819	60367	0	463	479	96 -	341	819	17468	17935
UN11008	Rsa1.0.00330.1	1323	94666	0	651	651	100 +	3	653	26733	27383
UN11009	Rsa1.0.04141.1	983	18864	1.00E-133	250	253	98 -	277	529	16507	16759
UN11010	Rsa1.0.24633.1	1309	976	1.00E-69	161	169	95 +	3	168	742	910
UN11011	Rsa1.0.04873.1	753	15657	1.00E-135	280	289	96 -	13	299	8145	8433
UN11012	Rsa1.0.02803.1	489	27715	1.00E-73	188	203	92 -	290	489	17281	17483
UN11013	Rsa1.0.02939.1	1463	26595	0	769	770	99 -	694	1462	19725	20494
UN11014	Rsa1.0.00855.1	942	62047	0	839	866	96 +	1	862	11433	12295
UN11015	Rsa1.0.01860.1	1064	38057	6.00E-86	165	166	99 -	654	819	23462	23627
UN11016	Rsa1.0.01282.1	1097	49304	0	838	880	95 -	220	1082	30174	31052
UN11017	Rsa1.0.00424.1	428	86005	0	425	440	96 -	1	428	20411	20850
UN11018	Rsa1.0.00486.1	606	80875	0	527	554	95 -	56	605	44160	44700
UN11019	Rsa1.0.15414.1	1104	2620	1.00E-129	332	362	91 -	748	1104	321	674
UN11020	Rsa1.0.05874.1	821	12351	0	728	755	96 -	66	813	9404	10158
UN11021	Rsa1.0.04355.1	1188	146733	0	538	560	96 -	625	1178	3278	3831
UN11022	Rsa1.0.05820.1	1109	12540	1.00E-81	164	167	98 -	681	847	12002	12168
UN11023	Rsa1.0.00609.1	670	72785	1.00E-122	240	246	97 -	15	260	62899	63144
UN11024	Rsa1.0.02756.1	1006	28202	1.00E-101	196	199	98 -	269	467	19920	20118
UN11025	Rsa1.0.00302.1	707	97521	0	686	721	95 -	1	707	61937	62651
UN11026	Rsa1.0.00107.1	1517	431659	0	1190	1224	97 -	294	1512	14065	15287
UN11027	Rsa1.0.23188.1	438	1065	0	347	349	99 -	90	438	228	576
UN11028	Rsa1.0.03723.1	852	21173	0	358	360	99 +	3	362	4087	4446
UN11029	Rsa1.0.01182.1	912	167304	1.00E-179	328	330	99 +	3	332	11267	11595
UN11030	Rsa1.0.00354.1	1117	232005	1.00E-93	210	219	95 +	3	220	166322	166539
UN11031	Rsa1.0.06209.1	1097	11484	1.00E-177	430	471	91 +	33	503	2267	2719
UN11032	Rsa1.0.03898.1	874	20183	1.00E-129	308	327	94 +	549	866	2513	2834
UN11033	Rsa1.0.01960.1	768	36766	1.00E-111	205	205	100 +	116	320	25981	26185
UN11034	Rsa1.0.02113.1	697	34890	0	629	633	99 +	68	697	22890	23522
UN11035	Rsa1.0.01783.1	668	39383	0	646	668	96 -	3	668	19838	20499

UN11036	Rsa1.0.00031.1	924	179862	0	393	403	97 -	5	407	161267	161669
UN11037	Rsa1.0.03865.1	740	20373	1.00E-119	227	230	98 -	188	417	15975	16204
UN11038	Rsa1.0.00108.1	1485	478491	1.00E-160	385	412	93 +	189	597	419082	419489
UN11039	Rsa1.0.00048.1	1316	167185	0	725	745	97 +	2	740	125478	126221
UN11040	Rsa1.0.01285.1	1783	172709	0	478	487	98 +	1280	1766	134715	135200
UN11041	Rsa1.0.00595.1	833	341648	1.00E-168	407	440	92 -	2	424	24913	25348
UN11042	Rsa1.0.01434.1	1092	45951	1.00E-172	352	367	95 +	723	1089	5302	5668
UN11043	Rsa1.0.02734.1	1058	28344	0	1014	1070	94 +	2	1057	1722	2790
UN11044	Rsa1.0.11621.1	602	5457	1.00E-107	278	297	93 +	309	602	601	893
UN11045	Rsa1.0.07645.1	861	8949	2.00E-88	190	198	95 +	638	835	451	648
UN11046	Rsa1.0.00746.1	558	66044	1.00E-168	300	300	100 +	259	558	56840	57139
UN11047	Rsa1.0.00529.1	887	77487	0	623	637	97 -	244	879	53899	54534
UN11048	Rsa1.0.03568.1	901	22048	0	677	688	98 +	214	901	18563	19250
UN11049	Rsa1.0.00887.1	738	61048	1.00E-92	191	197	96 +	190	386	49405	49601
UN11050	Rsa1.0.00608.1	1034	172672	0	605	617	98 +	6	622	112746	113362
UN11051	Rsa1.0.01022.1	589	56606	1.00E-122	252	262	96 -	79	340	37881	38142
UN11052	Rsa1.0.00045.1	1169	328694	1.00E-131	259	266	97 -	294	559	140949	141214
UN11053	Rsa1.0.00539.1	1518	76926	0	555	566	98 +	936	1501	74541	75105
UN11054	Rsa1.0.00092.1	493	659932	0	468	494	94 -	2	492	430883	431376
UN11055	Rsa1.0.00796.1	450	63997	1.00E-124	269	281	95 -	171	450	57203	57482
UN11056	Rsa1.0.02244.1	1444	33494	1.00E-180	373	387	96 +	1026	1408	3842	4228
UN11057	Rsa1.0.00133.1	1040	123768	1.00E-136	297	310	95 -	110	417	11639	11947
UN11058	Rsa1.0.00023.1	815	194764	0	624	640	97 +	177	815	104143	104779
UN11059	Rsa1.0.00097.1	1237	138858	0	355	360	98 -	876	1235	2757	3116
UN11060	Rsa1.0.02051.1	1756	35564	1.00E-100	195	198	98 +	737	934	24062	24259
UN11061	Rsa1.0.00664.1	884	69573	1.00E-165	318	325	97 +	559	880	52733	53057
UN11062	Rsa1.0.01519.1	865	44144	0	501	520	96 -	347	865	11634	12151
UN11063	Rsa1.0.00382.1	1176	251946	1.00E-127	284	297	95 -	878	1174	34559	34848
UN11064	Rsa1.0.00954.1	868	189536	0	733	747	98 -	4	744	8442	9188
UN11065	Rsa1.0.00031.1	1408	179862	4.00E-97	184	185	99 -	1223	1407	86699	86883
UN11066	Rsa1.0.02737.1	856	28325	1.00E-120	277	294	94 +	560	849	8107	8391
UN11067	Rsa1.0.01239.1	798	50107	0	770	796	96 -	3	798	19758	20549
UN11068	Rsa1.0.00964.1	590	316648	0	560	589	95 -	2	580	167634	168213
UN11069	Rsa1.0.00273.1	753	326186	0	731	757	96 -	2	753	274609	275361
UN11070	Rsa1.0.00188.1	1059	112020	0	964	1029	93 +	2	1009	22283	23296
UN11071	Rsa1.0.00097.1	839	138858	0	430	434	99 +	1	434	91322	91755
UN11072	Rsa1.0.01466.1	796	45161	1.00E-157	300	305	98 +	490	794	28487	28790
UN11073	Rsa1.0.04273.1	987	18144	1.00E-103	232	248	93 +	752	987	12147	12394
UN11074	Rsa1.0.00079.1	798	606987	1.00E-108	307	344	89 -	24	364	66614	66942

UN11075	Rsa1.0_00720.1	601	66931	3.00E-71	224	251	89 +	356	599	26183	26426
UN11076	Rsa1.0_00602.1	884	73302	0	858	883	97 -	1	873	30255	31137
UN11077	Rsa1.0_02647.1	1490	29120	0	378	379	99 -	556	934	26972	27350
UN11078	Rsa1.0_02096.1	791	35041	0	564	570	98 +	222	790	14809	15378
UN11079	Rsa1.0_03092.1	1453	25448	0	466	471	98 +	983	1453	4317	4786
UN11080	Rsa1.0_00005.1	914	353093	0	486	490	99 +	5	494	341129	341617
UN11081	Rsa1.0_00497.1	839	79830	1.00E-98	269	290	92 +	550	836	54334	54614
UN11082	Rsa1.0_02756.1	1535	28202	0	673	674	99 +	6	679	16293	16966
UN11083	Rsa1.0_02426.1	796	31564	1.00E-151	289	292	98 +	507	796	12921	13212
UN11084	Rsa1.0_03237.1	1050	24434	0	403	421	95 +	212	629	748	1165
UN11085	Rsa1.0_00430.1	809	85453	0	722	754	95 -	58	809	44272	45025
UN11086	Rsa1.0_06310.1	1151	11262	0	768	913	84 +	1	913	5210	6122
UN11087	Rsa1.0_02280.1	240	33063	1.00E-105	206	210	98 +	31	240	911	1120
UN11088	Rsa1.0_00485.1	752	80937	2.00E-75	203	219	92 +	539	752	37570	37784
UN11089	Rsa1.0_00277.1	524	100132	0	328	329	99 +	197	524	10173	10501
UN11090	Rsa1.0_00191.1	1085	316976	0	533	590	90 +	38	627	9210	9799
UN11091	Rsa1.0_00076.1	1280	146021	1.00E-144	269	272	98 +	767	1038	44210	44481
UN11092	Rsa1.0_01716.1	853	40483	1.00E-141	288	299	96 +	523	821	18921	19219
UN11093	Rsa1.0_04873.1	942	15657	1.00E-116	240	247	97 -	1	243	8145	8391
UN11094	Rsa1.0_00636.1	1045	71113	1.00E-113	207	207	100 +	25	231	694	900
UN11095	Rsa1.0_03820.1	2664	20664	1.00E-137	322	346	93 +	1726	2071	8726	9062
UN11096	Rsa1.0_00027.1	680	283362	5.00E-61	155	165	93 -	520	680	105215	105373
UN11097	Rsa1.0_00311.1	853	96847	0	521	533	97 -	3	535	35682	36210
UN11098	Rsa1.0_33464.1	946	678	1.00E-148	278	282	98 -	196	477	154	435
UN11099	Rsa1.0_00098.1	580	349239	0	489	521	93 -	61	576	234714	235221
UN11100	Rsa1.0_03860.1	628	20407	2.33E-156	272	275	98 +	2	276	14073	14347
UN11101	Rsa1.0_04760.1	862	16105	4.00E-99	229	242	94 +	622	859	7185	7426
UN11102	Rsa1.0_04870.1	758	135142	1.00E-159	312	321	97 +	309	629	638	958
UN11103	Rsa1.0_00502.1	585	204180	0	452	483	93 +	35	516	63883	64361
UN11104	Rsa1.0_05523.1	1039	13438	0	759	807	94 +	3	787	8986	9790
UN11105	Rsa1.0_10176.1	757	5959	1.00E-125	265	275	96 +	1	274	3184	3457
UN11106	Rsa1.0_00184.1	1517	218748	0	882	913	96 +	1	913	58806	59718
UN11107	Rsa1.0_00017.1	564	752458	4.00E-58	222	254	87 -	10	259	40150	40393
UN11108	Rsa1.0_01135.1	801	52799	0	537	546	98 +	2	547	44890	45435
UN11109	Rsa1.0_54418.1	1155	419	3.00E-97	217	229	94 +	68	296	1	229
UN11110	Rsa1.0_00715.1	523	67116	1.00E-176	441	488	90 -	36	523	63649	64119
UN11111	Rsa1.0_00064.1	744	240927	0	491	494	99 -	251	744	112101	112594
UN11112	Rsa1.0_00877.1	1392	61305	0	546	563	96 -	824	1385	6841	7400
UN11113	Rsa1.0_01907.1	585	37431	0	470	488	96 -	3	490	17907	18393

UN11114	Rsa1.0.06392.1	1763	11104	0	1171	1279	91 +	507	1761	2775	4020
UN11115	Rsa1.0.02945.1	939	26548	0	537	540	99 -	165	704	8396	8935
UN11116	Rsa1.0.03233.1	870	24446	0	686	699	98 +	174	870	20170	20868
UN11117	Rsa1.0.00037.1	687	307838	1.00E-117	297	315	94 +	7	317	148299	148601
UN11118	Rsa1.0.00571.1	812	329018	0	733	744	98 +	70	812	165714	166456
UN11119	Rsa1.0.00179.1	822	393324	1.00E-153	344	364	94 +	1	359	334493	334856
UN11120	Rsa1.0.00363.1	572	90968	2.00E-90	195	204	95 -	228	425	53874	54077
UN11121	Rsa1.0.00220.1	949	192936	1.00E-158	330	342	96 +	1	340	143121	143460
UN11122	Rsa1.0.00145.1	872	261008	1.00E-136	266	271	98 +	2	271	50057	50327
UN11123	Rsa1.0.00079.1	858	606987	0	562	564	99 +	1	564	447436	447999
UN11124	Rsa1.0.03833.1	756	20575	1.00E-104	243	259	93 -	22	269	11313	11570
UN11125	Rsa1.0.02584.1	719	29877	1.00E-128	333	365	91 -	1	359	806	1155
UN11126	Rsa1.0.00296.1	1259	97854	0	1187	1259	94 +	3	1258	44704	45960
UN11127	Rsa1.0.01876.1	832	37800	1.00E-128	241	244	98 -	529	772	8719	8962
UN11128	Rsa1.0.00130.1	834	125737	1.00E-156	350	367	95 +	1	366	38241	38602
UN11129	Rsa1.0.00378.1	523	89892	1.00E-126	314	338	92 +	25	358	62119	62453
UN11130	Rsa1.0.00111.1	357	390088	1.00E-161	321	332	96 +	26	357	383857	384188
UN11131	Rsa1.0.00985.1	550	161950	1.00E-164	323	333	96 -	1	333	50364	50696
UN11132	Rsa1.0.00722.1	850	66840	0	384	400	96 +	4	399	58779	59175
UN11133	Rsa1.0.00277.1	998	100132	1.00E-111	314	351	89 +	11	360	83608	83938
UN11134	Rsa1.0.01878.1	783	37768	0	647	652	99 -	1	652	22554	23204
UN11135	Rsa1.0.01679.1	396	146876	1.00E-168	375	401	93 +	3	396	119034	119434
UN11136	Rsa1.0.00522.1	478	78103	1.00E-125	333	368	90 -	108	475	52124	52491
UN11137	Rsa1.0.05282.1	790	14270	8.00E-51	103	103	100 +	535	637	4965	5067
UN11138	Rsa1.0.03193.1	998	24690	1.00E-102	234	244	95 +	1	242	19553	19793
UN11139	Rsa1.0.00833.1	811	62621	1.00E-108	212	216	98 -	428	643	28739	28954
UN11140	Rsa1.0.00615.1	996	72235	0	382	387	98 -	1	387	26377	26761
UN11141	Rsa1.0.02550.1	1236	291051	1.00E-165	334	346	96 +	884	1227	6190	6535
UN11142	Rsa1.0.00360.1	1074	91190	1.00E-128	307	327	93 -	23	345	67270	67594
UN11143	Rsa1.0.00087.1	646	761073	2.00E-91	236	255	92 +	12	265	11767	12015
UN11144	Rsa1.0.19812.1	975	1380	1.00E-142	313	331	94 +	634	964	836	1163
UN11145	Rsa1.0.10606.1	969	5787	1.00E-163	327	336	97 +	1	336	2172	2505
UN11146	Rsa1.0.00960.1	1280	58199	0	383	389	98 -	2	389	30003	30391
UN11147	Rsa1.0.00435.1	580	317579	1.00E-138	344	369	93 +	1	361	70714	71080
UN11148	Rsa1.0.05501.1	309	13513	1.00E-87	206	220	93 -	3	222	6241	6460
UN11149	Rsa1.0.01175.1	875	51674	1.00E-166	360	377	95 -	29	401	979	1351
UN11150	Rsa1.0.00002.1	1185	601661	0	1161	1189	97 -	1	1183	412143	413331
UN11151	Rsa1.0.00387.1	917	495407	0	390	399	97 +	107	501	363148	363546
UN11152	Rsa1.0.01588.1	1510	42724	4.00E-97	184	185	99 -	1326	1510	38439	38623

UN11153	Rsa1.0.02266.1	853	33195	0	485	502	96 +	349	847	30338	30839
UN11154	Rsa1.0.00010.1	1014	294827	2.00E-86	287	324	88 +	7	322	135518	135837
UN11155	Rsa1.0.00913.1	665	59914	1.00E-142	326	353	92 -	332	663	57997	58349
UN11156	Rsa1.0.00157.1	490	245832	1.00E-169	417	455	91 -	44	490	163152	163606
UN11157	Rsa1.0.00040.1	1191	324196	0	648	662	97 -	530	1191	51659	52320
UN11158	Rsa1.0.00108.1	1089	478491	1.00E-161	384	411	93 +	1	398	450924	451332
UN11159	Rsa1.0.00050.1	509	237174	1.00E-148	296	305	97 -	1	303	33432	33736
UN11160	Rsa1.0.04085.1	856	19168	0	465	517	89 +	339	831	755	1268
UN11161	Rsa1.0.00635.1	742	175826	1.00E-86	222	246	90 -	87	314	15994	16239
UN11162	Rsa1.0.24942.1	645	959	1.00E-147	340	362	93 -	1	360	1	358
UN11163	Rsa1.0.29798.1	172	771	4.00E-46	109	114	95 +	1	114	559	672
UN11164	Rsa1.0.07757.1	864	8633	0	512	537	95 +	26	557	867	1403
UN11165	Rsa1.0.01896.1	1383	37512	0	452	466	96 +	832	1297	9812	10277
UN11166	Rsa1.0.00711.1	846	67223	0	427	441	96 +	401	841	30127	30566
UN11167	Rsa1.0.00025.1	716	277312	2.33E-156	299	310	96 -	2	310	113952	114261
UN11168	Rsa1.0.00495.1	749	79934	3.00E-50	120	126	95 +	295	420	16598	16723
UN11169	Rsa1.0.00536.1	849	77199	0	421	437	96 -	4	439	23555	23990
UN11170	Rsa1.0.01384.1	522	46803	1.00E-159	401	432	92 -	8	433	41768	42193
UN11171	Rsa1.0.00385.1	496	89160	1.00E-108	233	242	96 +	255	496	31104	31342
UN11172	Rsa1.0.00040.1	751	324196	0	655	690	94 -	63	751	224194	224883
UN11173	Rsa1.0.00595.1	810	341648	0	517	524	98 +	1	524	23278	23799
UN11174	Rsa1.0.00437.1	814	84879	1.00E-119	259	273	94 -	162	434	23635	23907
UN11175	Rsa1.0.00506.1	913	79106	0	517	531	97 +	383	913	21608	22138
UN11176	Rsa1.0.01156.1	843	52147	0	348	350	99 +	463	812	24757	25106
UN11177	Rsa1.0.03101.1	886	25410	0	878	887	98 -	1	886	19681	20567
UN11178	Rsa1.0.04500.1	1183	17083	1.00E-175	422	455	92 -	50	482	6445	6893
UN11179	Rsa1.0.03299.1	814	23949	0	566	593	95 -	7	590	14331	14919
UN11180	Rsa1.0.00332.1	1323	94575	0	551	600	91 -	7	594	59905	60490
UN11181	Rsa1.0.02157.1	647	149652	2.00E-69	158	166	95 +	1	166	132597	132762
UN11182	Rsa1.0.00208.1	1450	108565	0	1123	1151	97 +	1	1150	100682	101826
UN11183	Rsa1.0.01122.1	463	53369	0	451	462	97 +	1	462	27966	28426
UN11184	Rsa1.0.00023.1	759	194764	0	748	754	99 -	6	759	104960	105713
UN11185	Rsa1.0.00960.1	1442	58199	0	734	788	93 -	585	1365	19404	20167
UN11186	Rsa1.0.02402.1	932	31710	0	721	773	93 +	2	774	23951	24706
UN11187	Rsa1.0.00488.1	1358	80490	0	698	707	98 +	652	1358	6874	7580
UN11188	Rsa1.0.07617.1	1485	9015	0	1303	1352	96 -	5	1344	2699	4049
UN11189	Rsa1.0.01601.1	1285	42519	0	511	512	99 +	31	541	11077	11588
UN11190	Rsa1.0.01796.1	841	39154	1.00E-129	247	251	98 -	482	732	37475	37725
UN11191	Rsa1.0.11948.1	1312	5363	1.00E-117	250	261	95 +	1	261	3922	4180

UN11192	Rsa1.0_01220.1	658	161775	1.00E-131	288	305	94 +	6	296	126160	126462
UN11193	Rsa1.0_02020.1	814	173211	0	773	812	95 -	2	812	148364	149172
UN11194	Rsa1.0_00802.1	813	63846	1.00E-123	289	305	94 -	3	305	17081	17383
UN11195	Rsa1.0_00322.1	1265	212233	1.00E-117	221	223	99 +	187	409	80171	80393
UN11196	Rsa1.0_04230.1	1196	18384	0	457	469	97 -	728	1194	10536	11003
UN11197	Rsa1.0_00056.1	747	332604	1.00E-157	323	337	95 -	1	337	113294	113630
UN11198	Rsa1.0_00018.1	763	410899	1.00E-166	396	424	93 -	3	422	68738	69156
UN11199	Rsa1.0_01146.1	309	163455	2.00E-55	122	126	96 -	90	215	162566	162691
UN11200	Rsa1.0_02803.1	754	27715	1.00E-112	276	297	92 -	1	296	26242	26531
UN11201	Rsa1.0_00580.1	807	74515	1.00E-160	335	353	94 +	4	341	33897	34249
UN11202	Rsa1.0_00335.1	1212	94371	1.00E-179	367	383	95 -	828	1210	42153	42535
UN11203	Rsa1.0_00648.1	877	70351	4.00E-71	177	189	93 -	127	315	19476	19663
UN11204	Rsa1.0_00264.1	1135	101674	0	1105	1137	97 +	2	1131	11991	13127
UN11205	Rsa1.0_00417.1	1168	395068	1.00E-160	336	352	95 +	1	343	225420	225771
UN11206	Rsa1.0_00457.1	1136	337301	1.00E-166	367	389	94 +	283	668	5450	5831
UN11207	Rsa1.0_00339.1	413	222974	2.00E-40	88	89	98 -	305	393	40128	40216
UN11208	Rsa1.0_15801.1	768	2415	0	703	725	96 -	1	724	910	1634
UN11209	Rsa1.0_00453.1	1834	83031	0	466	502	92 +	1050	1532	81190	81689
UN11210	Rsa1.0_00566.1	992	75325	0	366	377	97 +	443	819	20189	20565
UN11211	Rsa1.0_01996.1	796	36327	1.00E-175	321	323	99 +	1	323	22860	23181
UN11212	Rsa1.0_01236.1	678	50156	1.00E-104	199	201	99 +	229	429	44319	44519
UN11213	Rsa1.0_00707.1	842	190112	0	507	515	98 -	1	511	61070	61584
UN11214	Rsa1.0_00573.1	1037	74821	0	990	1037	95 +	9	1036	44746	45782
UN11215	Rsa1.0_00074.1	544	147591	1.00E-137	300	318	94 +	1	318	135599	135905
UN11216	Rsa1.0_07603.1	1103	9043	1.00E-111	348	394	88 +	213	606	2808	3197
UN11217	Rsa1.0_00421.1	780	86365	1.00E-125	290	307	94 +	16	314	82627	82933
UN11218	Rsa1.0_00856.1	975	62037	0	465	491	94 +	1	491	6415	6889
UN11219	Rsa1.0_06373.1	989	11138	1.00E-148	292	299	97 +	26	319	735	1033
UN11220	Rsa1.0_01326.1	1165	48072	0	524	552	94 -	1	545	40139	40681
UN11221	Rsa1.0_00928.1	598	59293	4.00E-95	199	205	97 +	1	205	29534	29737
UN11222	Rsa1.0_00173.1	1204	288743	3.00E-91	266	290	91 +	925	1204	25595	25882
UN11223	Rsa1.0_01493.1	1330	44670	0	505	526	96 +	1	523	13292	13805
UN11224	Rsa1.0_00055.1	1588	520193	0	457	483	94 +	1	479	385970	386446
UN11225	Rsa1.0_01696.1	1088	301850	3.00E-63	139	144	96 -	711	854	291899	292042
UN11226	Rsa1.0_02765.1	1456	28141	0	388	398	97 +	1	392	16308	16705
UN11227	Rsa1.0_00626.1	1252	71582	0	378	380	99 -	872	1251	17748	18127
UN11228	Rsa1.0_01768.1	827	138463	1.00E-117	220	222	99 -	448	669	118797	119018
UN11229	Rsa1.0_00073.1	1526	240924	0	408	424	96 +	1102	1525	226964	227384
UN11230	Rsa1.0_26587.1	1271	885	0	601	647	92 +	1	642	262	885

UN11231	Rsa1.0.00023.1	1167	194764	0	1146	1174	97 +	4	1166	70822	71992
UN11232	Rsa1.0.03568.1	972	22048	0	712	731	97 -	1	731	18651	19379
UN11233	Rsa1.0.55259.1	1584	413	0	405	413	98 +	93	505	1	413
UN11234	Rsa1.0.01593.1	1263	150996	1.00E-155	361	386	93 +	1	385	149467	149850
UN11235	Rsa1.0.13607.1	1238	4645	0	1217	1235	98 -	2	1236	1747	2981
UN11236	Rsa1.0.18598.1	787	1567	0	660	662	99 -	1	662	258	919
UN11237	Rsa1.0.00250.1	1164	273771	0	487	516	94 -	650	1163	253679	254181
UN11238	Rsa1.0.08412.1	792	7404	0	505	537	94 +	10	542	4359	4887
UN11239	Rsa1.0.03623.1	765	21714	0	667	675	98 +	4	678	11647	12321
UN11240	Rsa1.0.01626.1	1146	41989	1.00E-106	196	196	100 -	542	737	22145	22340
UN11241	Rsa1.0.00643.1	814	70658	0	466	466	100 -	1	466	27681	28146
UN11242	Rsa1.0.01682.1	851	41090	0	846	853	99 -	1	851	26026	26877
UN11243	Rsa1.0.00512.1	824	200277	0	555	555	100 -	2	556	55821	56375
UN11244	Rsa1.0.00376.1	825	90101	0	437	458	95 -	31	485	49557	50013
UN11245	Rsa1.0.00048.1	827	167185	1.00E-128	268	280	95 +	429	708	8087	8366
UN11246	Rsa1.0.00699.1	1061	184398	0	368	383	96 -	1	383	145515	145897
UN11247	Rsa1.0.03780.1	1311	20899	2.00E-71	194	206	94 +	69	272	372	574
UN11248	Rsa1.0.00628.1	1029	214360	1.00E-111	207	208	99 -	3	210	48600	48807
UN11249	Rsa1.0.02026.1	907	35896	0	445	450	98 +	1	450	14910	15358
UN11250	Rsa1.0.01271.1	382	49569	0	382	382	100 -	1	382	28301	28682
UN11251	Rsa1.0.04490.1	1172	17144	0	1153	1154	99 -	1	1154	12296	13449
UN11252	Rsa1.0.02623.1	773	29409	0	368	376	97 +	1	376	9606	9981
UN11253	Rsa1.0.00316.1	651	96264	3.00E-40	106	112	94 +	134	243	57738	57849
UN11254	Rsa1.0.00247.1	781	103408	0	468	471	99 +	1	471	6037	6507
UN11255	Rsa1.0.02505.1	830	30703	1.00E-145	348	376	92 -	1	374	17073	17438
UN11256	Rsa1.0.02560.1	1464	30091	0	456	456	100 +	3	458	718	1173
UN11257	Rsa1.0.00248.1	1422	163568	0	605	658	91 +	781	1422	50066	50723
UN11258	Rsa1.0.00490.1	1651	186713	1.00E-117	302	327	92 +	1327	1651	153661	153982
UN11259	Rsa1.0.09108.1	1413	6644	0	907	942	96 -	473	1412	1601	2541
UN11260	Rsa1.0.01062.1	673	55325	1.00E-145	389	429	90 +	1	412	51156	51574
UN11261	Rsa1.0.00336.1	381	445051	0	378	381	99 +	1	380	263448	263828
UN11262	Rsa1.0.00556.1	1173	207212	1.00E-122	356	392	90 +	9	389	33472	33859
UN11263	Rsa1.0.00135.1	647	178077	0	438	447	97 +	201	647	23609	24053
UN11264	Rsa1.0.00081.1	1206	143261	1.00E-107	210	214	98 +	252	465	1376	1589
UN11265	Rsa1.0.01118.1	788	53460	1.00E-117	222	223	99 +	1	223	12659	12880
UN11266	Rsa1.0.00357.1	1387	173671	0	1331	1387	95 +	1	1385	144609	145991
UN11267	Rsa1.0.04051.1	786	19375	0	460	466	98 -	1	465	8731	9194
UN11268	Rsa1.0.00198.1	2219	222963	0	377	383	98 -	1837	2219	17904	18285
UN11269	Rsa1.0.00427.1	1157	189678	1.00E-155	336	351	95 +	2	350	182599	182948

UN11270	Rsa1.0.01177.1	775	51572	0	436	443	98 +	233	675	6753	7195
UN11271	Rsa1.0.02316.1	1173	32608	1.00E-105	221	230	96 -	469	698	17754	17983
UN11272	Rsa1.0.00033.1	972	515811	0	514	549	93 +	7	551	333831	334369
UN11273	Rsa1.0.00145.1	931	261008	0	719	729	98 +	1	729	101336	102061
UN11274	Rsa1.0.00014.1	706	348985	0	693	705	98 -	3	706	174300	175003
UN11275	Rsa1.0.00127.1	741	127446	1.00E-180	345	352	98 -	92	442	106654	107005
UN11276	Rsa1.0.04071.1	789	19243	0	544	554	98 -	1	551	3747	4299
UN11277	Rsa1.0.15608.1	1104	2522	0	945	992	95 +	1	978	154	1144
UN11278	Rsa1.0.00671.1	783	397884	0	548	560	97 -	3	561	176948	177507
UN11279	Rsa1.0.03926.1	1054	20024	1.00E-147	264	264	100 -	789	1052	5352	5615
UN11280	Rsa1.0.00423.1	933	86138	0	658	695	94 -	3	686	48394	49074
UN11281	Rsa1.0.02064.1	1594	35476	0	429	438	97 +	1010	1447	21446	21883
UN11282	Rsa1.0.00627.1	819	71566	3.00E-93	233	251	92 -	1	249	23881	24118
UN11283	Rsa1.0.53997.1	553	422	1.00E-144	313	330	94 -	224	553	95	422
UN11284	Rsa1.0.00210.1	974	108424	0	468	479	97 -	450	924	26237	26714
UN11285	Rsa1.0.00339.1	1379	222974	0	1365	1378	99 +	1	1377	81031	82408
UN11286	Rsa1.0.02248.1	1146	33414	0	536	558	96 -	1	550	3316	3870
UN11287	Rsa1.0.05490.1	1009	13556	1.00E-123	237	240	98 +	515	754	10484	10722
UN11288	Rsa1.0.00707.1	1150	190112	1.00E-168	331	339	97 -	11	349	161352	161687
UN11289	Rsa1.0.22550.1	1400	1111	0	562	583	96 -	1	583	485	1065
UN11290	Rsa1.0.01220.1	475	161775	1.00E-104	214	220	97 -	47	266	117110	117328
UN11291	Rsa1.0.21301.1	918	1217	1.00E-105	275	300	91 -	603	899	79	377
UN11292	Rsa1.0.19077.1	1161	1483	0	430	430	100 +	672	1101	1054	1483
UN11293	Rsa1.0.00103.1	626	135304	0	624	624	100 +	1	624	107507	108130
UN11294	Rsa1.0.01249.1	1610	188432	0	462	488	94 -	555	1030	43045	43532
UN11295	Rsa1.0.27704.1	1348	842	1.00E-148	304	315	96 -	357	670	51	365
UN11296	Rsa1.0.02280.1	1017	33063	0	1011	1012	99 +	1	1012	3266	4277
UN11297	Rsa1.0.02399.1	598	31763	0	556	593	93 -	7	598	13079	13667
UN11298	Rsa1.0.01405.1	1219	46445	0	575	586	98 +	1	586	20659	21238
UN11299	Rsa1.0.01142.1	713	52464	1.00E-111	221	226	97 -	121	346	50939	51161
UN11300	Rsa1.0.02585.1	1211	29865	0	344	346	99 +	759	1103	19802	20147
UN11301	Rsa1.0.00399.1	1238	242951	0	409	423	96 -	1	420	43978	44400
UN11302	Rsa1.0.04934.1	936	143962	0	902	943	95 +	2	936	11089	12028
UN11303	Rsa1.0.04456.1	1168	17260	1.00E-62	361	443	81 -	546	962	8880	9305
UN11304	Rsa1.0.01896.1	991	37512	0	954	991	96 +	3	991	31704	32692
UN11305	Rsa1.0.00130.1	975	125737	0	613	624	98 +	352	975	42198	42821
UN11306	Rsa1.0.00679.1	912	68971	1.00E-162	289	289	100 -	3	291	49245	49533
UN11307	Rsa1.0.00047.1	1360	168582	0	1208	1221	98 +	1	1221	67959	69179
UN11308	Rsa1.0.00046.1	801	320315	0	597	617	96 -	1	605	47138	47754

UN11309	Rsa1.0.02505.1	1315	30703	0	523	549	95 +	4	544	17564	18107
UN11310	Rsa1.0.00059.1	870	159650	0	732	762	96 +	1	760	77216	77963
UN11311	Rsa1.0.00695.1	1076	68019	0	626	627	99 +	2	627	58638	59264
UN11312	Rsa1.0.00042.1	1368	171507	1.00E-174	394	418	94 +	963	1366	159615	160028
UN11313	Rsa1.0.00254.1	1015	102600	0	494	524	94 +	3	514	90254	90773
UN11314	Rsa1.0.02210.1	562	33857	0	559	560	99 +	1	560	1029	1588
UN11315	Rsa1.0.02503.1	542	30709	4.00E-67	136	138	98 -	249	386	26114	26251
UN11316	Rsa1.0.01116.1	697	142088	2.33E-156	376	409	91 -	11	419	128912	129305
UN11317	Rsa1.0.00876.1	840	61328	0	722	760	95 +	1	742	35412	36171
UN11318	Rsa1.0.00009.1	986	232558	1.00E-160	347	366	94 -	120	477	53021	53382
UN11319	Rsa1.0.03709.1	1663	21247	0	974	980	99 -	685	1663	7789	8768
UN11320	Rsa1.0.00165.1	906	116466	1.00E-123	231	233	99 +	1	233	48170	48402
UN11321	Rsa1.0.02795.1	1372	27809	0	760	781	97 +	209	988	8002	8778
UN11322	Rsa1.0.00273.1	701	326186	1.00E-154	345	366	94 +	57	418	113973	114338
UN11323	Rsa1.0.24818.1	424	966	1.00E-163	318	327	97 -	98	424	521	847
UN11324	Rsa1.0.00048.1	1124	167185	0	370	377	98 -	2	376	100204	100579
UN11325	Rsa1.0.00239.1	1092	104332	0	450	450	100 +	1	450	103584	104033
UN11326	Rsa1.0.00186.1	846	112669	0	831	847	98 +	1	846	34682	35525
UN11327	Rsa1.0.03774.1	1097	20932	0	529	577	91 -	513	1079	16175	16736
UN11328	Rsa1.0.00105.1	1628	134138	0	587	623	94 -	3	606	61301	61914
UN11329	Rsa1.0.01536.1	499	43747	0	386	400	96 -	20	419	39543	39942
UN11330	Rsa1.0.00286.1	460	98709	1.00E-108	243	256	94 -	1	247	11606	11861
UN11331	Rsa1.0.00050.1	1461	237174	0	1049	1092	96 +	2	1092	196179	197268
UN11332	Rsa1.0.02555.1	1421	30146	0	1361	1424	95 +	1	1420	2651	4068
UN11333	Rsa1.0.00218.1	1097	201480	0	483	520	92 +	584	1095	180348	180863
UN11334	Rsa1.0.03552.1	1327	22151	1.00E-163	403	438	92 +	899	1327	12808	13231
UN11335	Rsa1.0.01768.1	1410	138463	0	492	523	94 -	1	523	124510	125017
UN11336	Rsa1.0.02224.1	921	33758	0	803	836	96 +	69	903	25744	26576
UN11337	Rsa1.0.01000.1	1323	57140	0	990	1050	94 -	2	1042	52715	53738
UN11338	Rsa1.0.00837.1	1122	62568	0	761	770	98 +	355	1122	4682	5451
UN11339	Rsa1.0.00570.1	1253	75002	0	738	770	95 +	480	1247	72668	73433
UN11340	Rsa1.0.00112.1	1470	132199	0	515	531	96 -	1	531	89572	90100
UN11341	Rsa1.0.00107.1	981	431659	1.00E-117	234	240	97 -	75	314	183555	183791
UN11342	Rsa1.0.00699.1	1235	184398	1.00E-162	328	340	96 -	15	354	11508	11844
UN11343	Rsa1.0.02020.1	732	173211	0	697	728	95 +	1	728	148361	149085
UN11344	Rsa1.0.00041.1	934	186197	1.00E-176	355	368	96 -	227	591	157071	157438
UN11345	Rsa1.0.03357.1	1534	23478	0	483	496	97 +	1043	1532	19472	19966
UN11346	Rsa1.0.00997.1	1270	57190	0	1268	1271	99 +	1	1270	34831	36101
UN11347	Rsa1.0.00394.1	674	148426	1.00E-174	312	313	99 -	362	674	120718	121030

UN11348	Rsa1.0.02671.1	1100	28887	1.00E-126	271	285	95 -	818	1100	9174	9449
UN11349	Rsa1.0.00399.1	1752	242951	0	666	667	99 +	1084	1750	189886	190552
UN11350	Rsa1.0.00247.1	427	103408	1.00E-100	198	202	98 -	226	427	64842	65043
UN11351	Rsa1.0.02858.1	744	27246	1.00E-169	404	435	92 -	321	744	2245	2679
UN11352	Rsa1.0.01996.1	925	36327	6.00E-98	185	186	99 -	256	441	25436	25621
UN11353	Rsa1.0.00955.1	1234	58358	1.00E-135	259	264	98 -	955	1218	8908	9171
UN11354	Rsa1.0.02456.1	767	31222	1.00E-118	247	256	96 -	512	767	23750	24004
UN11355	Rsa1.0.00299.1	1157	97770	0	1090	1120	97 -	40	1157	13734	14844
UN11356	Rsa1.0.05319.1	770	14158	1.00E-98	195	199	97 -	421	619	4536	4734
UN11357	Rsa1.0.00018.1	1305	410899	0	401	406	98 -	358	763	367394	367799
UN11358	Rsa1.0.00035.1	859	176449	5.00E-83	160	161	99 +	242	402	155788	155948
UN11359	Rsa1.0.23763.1	1543	1027	1.00E-162	291	291	100 -	1251	1541	410	700
UN11360	Rsa1.0.00130.1	1036	125737	1.00E-109	210	213	98 +	187	399	34393	34605
UN11361	Rsa1.0.00595.1	1424	341648	0	574	587	97 -	2	588	38530	39116
UN11362	Rsa1.0.05352.1	1328	14079	0	993	1004	98 +	323	1326	1715	2717
UN11363	Rsa1.0.01295.1	1170	49040	0	547	559	97 -	122	677	8398	8956
UN11364	Rsa1.0.01117.1	900	53465	1.00E-151	414	456	90 -	464	900	40147	40598
UN11365	Rsa1.0.00866.1	1180	61676	0	546	570	95 -	614	1180	29469	30037
UN11366	Rsa1.0.00152.1	1326	257730	0	416	432	96 -	3	434	101069	101487
UN11367	Rsa1.0.02020.1	714	173211	1.00E-116	286	303	94 -	413	712	20289	20586
UN11368	Rsa1.0.00923.1	1604	153678	1.00E-115	254	268	94 -	1336	1603	33375	33642
UN11369	Rsa1.0.00472.1	852	398134	2.00E-66	161	169	95 -	5	166	301550	301718
UN11370	Rsa1.0.02072.1	847	35401	1.00E-129	281	295	95 -	527	820	18059	18353
UN11371	Rsa1.0.02474.1	1426	31076	0	801	810	98 +	566	1375	5737	6546
UN11372	Rsa1.0.29181.1	769	790	1.00E-167	310	314	98 +	450	763	44	357
UN11373	Rsa1.0.00464.1	669	82253	0	539	550	98 +	122	669	75573	76121
UN11374	Rsa1.0.00721.1	809	66918	0	359	362	99 -	448	809	13199	13559
UN11375	Rsa1.0.01306.1	1122	48720	1.00E-144	281	287	97 -	834	1119	26057	26343
UN11376	Rsa1.0.01220.1	1062	161775	0	419	445	94 +	640	1062	147689	148133
UN11377	Rsa1.0.01675.1	690	41155	1.00E-155	290	294	98 -	394	687	10316	10609
UN11378	Rsa1.0.04882.1	611	15606	1.00E-144	280	287	97 -	1	287	7553	7839
UN11379	Rsa1.0.00090.1	682	273859	1.00E-109	222	228	97 -	5	232	55632	55858
UN11380	Rsa1.0.02438.1	1427	31392	0	621	654	94 +	496	1145	2419	3072
UN11381	Rsa1.0.00041.1	888	186197	0	875	889	98 +	1	885	30009	30893
UN11382	Rsa1.0.00269.1	1736	341668	0	509	524	97 +	236	759	330610	331133
UN11383	Rsa1.0.02840.1	1103	27386	0	732	774	94 -	3	765	26285	27058
UN11384	Rsa1.0.05911.1	906	12261	1.00E-141	312	332	93 +	588	906	5182	5513
UN11385	Rsa1.0.01688.1	1007	40965	1.00E-158	335	350	95 +	658	1007	36521	36867
UN11386	Rsa1.0.00484.1	823	203294	1.00E-139	261	263	99 -	3	265	43038	43298

UN11387	Rsa1.0.03623.1	708	21714	0	467	478	97 -	3	480	13561	14037
UN11388	Rsa1.0.07811.1	1208	8496	0	418	425	98 +	551	975	6679	7103
UN11389	Rsa1.0.02231.1	529	33661	1.00E-138	249	249	100 -	281	529	33337	33585
UN11390	Rsa1.0.02707.1	561	28520	0	525	554	94 -	11	560	9437	9988
UN11391	Rsa1.0.00746.1	990	66044	1.00E-164	297	298	99 -	693	990	63317	63614
UN11392	Rsa1.0.00017.1	1238	752458	1.00E-152	283	286	98 -	291	576	720938	721223
UN11393	Rsa1.0.03880.1	1462	20293	1.00E-118	226	229	98 +	331	559	18518	18746
UN11394	Rsa1.0.03302.1	1060	23898	0	461	469	98 -	591	1059	5959	6427
UN11395	Rsa1.0.00176.1	1110	240984	0	463	488	94 -	640	1110	151042	151527
UN11396	Rsa1.0.00407.1	921	191544	0	634	663	95 -	259	921	43103	43746
UN11397	Rsa1.0.00483.1	1084	81102	2.00E-52	239	285	83 -	819	1084	32615	32898
UN11398	Rsa1.0.01508.1	664	44334	0	472	474	99 +	191	664	37681	38154
UN11399	Rsa1.0.02267.1	763	33194	1.00E-124	229	230	99 -	331	560	30984	31213
UN11400	Rsa1.0.00618.1	611	72195	1.00E-111	238	249	95 +	26	270	2625	2873
UN11401	Rsa1.0.00224.1	1329	327530	1.00E-102	266	292	91 -	1040	1329	222136	222408
UN11402	Rsa1.0.00501.1	894	79545	1.00E-162	313	321	97 -	477	797	22510	22830
UN11403	Rsa1.0.01696.1	1114	301850	0	717	737	97 -	1	736	273492	274228
UN11404	Rsa1.0.01803.1	713	173846	1.00E-128	274	286	95 +	241	526	34625	34906
UN11405	Rsa1.0.14509.1	1066	3318	1.00E-133	292	308	94 +	98	403	1766	2067
UN11406	Rsa1.0.00123.1	1091	325650	1.00E-179	403	425	94 +	7	427	141835	142252
UN11407	Rsa1.0.00045.1	771	328694	3.00E-62	134	138	97 -	521	658	263471	263608
UN11408	Rsa1.0.00032.1	1391	306326	0	435	436	99 -	954	1389	265453	265888
UN11409	Rsa1.0.02150.1	1372	34580	0	842	862	97 +	89	950	26700	27561
UN11410	Rsa1.0.00467.1	785	156542	1.00E-126	279	296	94 -	484	773	80219	80514
UN11411	Rsa1.0.01328.1	1400	48021	0	431	441	97 +	270	709	16027	16467
UN11412	Rsa1.0.01476.1	1004	172928	0	481	512	93 +	488	995	8955	9464
UN11413	Rsa1.0.02728.1	696	28400	0	399	402	99 -	295	696	17632	18033
UN11414	Rsa1.0.00248.1	1297	163568	0	698	719	97 -	578	1296	50141	50859
UN11415	Rsa1.0.00136.1	1131	122464	1.00E-175	348	358	97 -	3	358	17206	17561
UN11416	Rsa1.0.00006.1	466	396176	0	451	467	96 +	2	466	32240	32706
UN11417	Rsa1.0.00407.1	1937	191544	0	507	507	100 -	1	507	163596	164102
UN11418	Rsa1.0.00589.1	504	209965	1.00E-151	405	451	89 -	80	504	181444	181891
UN11419	Rsa1.0.00068.1	1360	151813	0	979	1037	94 +	1	1022	42912	43944
UN11420	Rsa1.0.00997.1	1206	57190	0	1040	1076	96 +	3	1069	34836	35911
UN11421	Rsa1.0.03536.1	1120	22232	0	697	743	93 +	390	1120	7055	7797
UN11422	Rsa1.0.00473.1	1522	212204	1.00E-165	301	303	99 +	323	625	190581	190883
UN11423	Rsa1.0.00086.1	815	439854	0	780	802	97 +	3	802	434240	435039
UN11424	Rsa1.0.06691.1	759	10532	1.00E-171	329	337	97 +	423	759	6354	6690
UN11425	Rsa1.0.00476.1	1376	280966	0	849	853	99 -	525	1376	7408	8257

UN11426	Rsa1.0.02454.1	2210	31263	0	1427	1485	96 +	50	1524	24099	25580
UN11427	Rsa1.0.07055.1	858	9970	1.00E-153	275	275	100 +	226	500	219	493
UN11428	Rsa1.0.01249.1	726	188432	8.00E-97	186	188	98 -	315	502	151131	151318
UN11429	Rsa1.0.00182.1	1022	142305	1.00E-129	303	326	92 -	430	755	98126	98451
UN11430	Rsa1.0.00195.1	605	251884	1.00E-171	328	335	97 +	3	337	229134	229465
UN11431	Rsa1.0.03790.1	1650	20844	0	410	423	96 -	87	508	8657	9071
UN11432	Rsa1.0.01233.1	898	50184	0	887	913	97 -	3	898	23497	24407
UN11433	Rsa1.0.13999.1	716	3934	1.00E-120	267	284	94 -	99	382	3660	3934
UN11434	Rsa1.0.00662.1	1124	192183	2.00E-89	215	227	94 +	898	1124	53109	53331
UN11435	Rsa1.0.00146.1	929	149343	0	578	582	99 +	2	583	139775	140356
UN11436	Rsa1.0.00286.1	619	98709	1.00E-161	296	298	99 +	322	619	13001	13296
UN11437	Rsa1.0.03686.1	756	21387	1.00E-118	260	277	93 -	497	756	7475	7751
UN11438	Rsa1.0.00013.1	1011	292129	1.00E-136	273	282	96 -	8	289	253557	253838
UN11439	Rsa1.0.23843.1	1116	1022	0	634	655	96 +	459	1112	1	655
UN11440	Rsa1.0.01758.1	762	39747	0	403	415	97 -	342	756	37154	37568
UN11441	Rsa1.0.00109.1	896	132735	1.00E-110	208	210	99 -	424	633	53985	54194
UN11442	Rsa1.0.00010.1	994	294827	1.00E-167	358	379	94 +	316	694	119770	120139
UN11443	Rsa1.0.03424.1	1353	23064	1.00E-166	312	317	98 +	3	319	15398	15710
UN11444	Rsa1.0.09210.1	768	6556	1.00E-166	324	333	97 -	41	373	650	982
UN11445	Rsa1.0.02045.1	1428	35650	1.00E-75	231	254	90 +	1141	1391	22741	22989
UN11446	Rsa1.0.10942.1	1138	5669	0	435	436	99 -	703	1138	968	1403
UN11447	Rsa1.0.01292.1	790	175783	1.00E-131	251	254	98 +	537	790	2296	2548
UN11448	Rsa1.0.05611.1	786	13193	0	555	573	96 -	218	784	2562	3128
UN11449	Rsa1.0.00749.1	1525	65933	0	1480	1545	95 -	3	1525	28027	29566
UN11450	Rsa1.0.00662.1	782	192183	0	769	782	98 +	1	782	54357	55138
UN11451	Rsa1.0.03968.1	707	19804	0	420	425	98 +	3	427	18603	19027
UN11452	Rsa1.0.02384.1	906	31917	0	865	919	94 +	3	906	11014	11920
UN11453	Rsa1.0.02944.1	1057	26553	0	409	425	96 +	609	1025	4612	5036
UN11454	Rsa1.0.00017.1	744	752458	0	455	480	94 +	263	741	222799	223276
UN11455	Rsa1.0.00225.1	1867	105892	1.00E-134	305	322	94 +	1501	1822	20850	21161
UN11456	Rsa1.0.00402.1	1283	385315	0	557	582	95 +	1	567	119064	119645
UN11457	Rsa1.0.07974.1	1298	8147	0	1285	1298	98 -	6	1298	6216	7513
UN11458	Rsa1.0.00923.1	1377	153678	1.00E-109	228	237	96 +	203	439	31496	31732
UN11459	Rsa1.0.00630.1	637	71281	0	560	580	96 +	64	637	18575	19151
UN11460	Rsa1.0.04422.1	842	17423	1.00E-116	270	284	95 -	561	841	10730	11012
UN11461	Rsa1.0.01881.1	803	37721	0	781	809	96 -	3	803	16711	17518
UN11462	Rsa1.0.00385.1	1582	89160	1.00E-168	351	363	96 +	1220	1578	66235	66596
UN11463	Rsa1.0.06047.1	776	11854	0	570	590	96 -	187	773	6802	7390
UN11464	Rsa1.0.34075.1	1390	665	0	334	338	98 -	544	881	9	346

UN11465	Rsa1.0_04286.1	892	18084	2.00E-91	221	237	93 -	1	236	6107	6331
UN11466	Rsa1.0_02846.1	993	27338	0	956	997	95 -	1	993	11314	12305
UN11467	Rsa1.0_00622.1	936	71822	0	859	935	91 -	18	931	25990	26890
UN11468	Rsa1.0_00796.1	759	63997	1.00E-101	236	249	94 -	446	692	58142	58387
UN11469	Rsa1.0_00687.1	775	68494	0	762	771	98 +	3	773	42407	43177
UN11470	Rsa1.0_03466.1	1539	22698	0	1002	1052	95 +	29	1080	17397	18416
UN11471	Rsa1.0_17297.1	1030	1867	4.00E-81	178	186	95 -	607	792	350	535
UN11472	Rsa1.0_01870.1	1400	37919	1.00E-140	297	311	95 +	3	313	14118	14425
UN11473	Rsa1.0_06149.1	778	11615	0	391	403	97 +	376	778	5349	5751
UN11474	Rsa1.0_00570.1	1489	75002	0	1129	1208	93 +	85	1275	20443	21612
UN11475	Rsa1.0_05139.1	1521	14718	1.00E-142	272	277	98 +	661	937	5752	6028
UN11476	Rsa1.0_00380.1	985	89748	0	480	499	96 +	2	497	53812	54310
UN11477	Rsa1.0_01157.1	886	52121	0	392	399	98 -	488	886	28867	29265
UN11478	Rsa1.0_00016.1	1111	831256	0	457	483	94 -	333	814	253037	253513
UN11479	Rsa1.0_04845.1	837	15747	1.00E-108	217	223	97 +	69	291	4171	4393
UN11480	Rsa1.0_01448.1	960	45645	1.00E-173	315	317	99 -	644	960	39297	39613
UN11481	Rsa1.0_00038.1	507	314568	0	372	382	97 +	1	382	283109	283486
UN11482	Rsa1.0_00139.1	950	357786	4.00E-90	202	209	96 -	744	950	290739	290946
UN11483	Rsa1.0_20261.1	806	1323	0	472	495	95 -	292	783	81	575
UN11484	Rsa1.0_00514.1	873	78421	0	852	871	97 -	1	867	65101	65969
UN11485	Rsa1.0_09514.1	1280	6322	0	560	594	94 +	2	595	1150	1742
UN11486	Rsa1.0_05708.1	1419	12871	0	1413	1418	99 +	2	1419	3514	4931
UN11487	Rsa1.0_00505.1	824	79323	0	791	805	98 +	19	823	34066	34870
UN11488	Rsa1.0_00090.1	1270	273859	0	665	668	99 -	1	667	260786	261453
UN11489	Rsa1.0_00603.1	840	73299	1.00E-160	537	620	86 +	4	620	14304	14923
UN11490	Rsa1.0_00145.1	1362	261008	0	385	391	98 -	972	1361	246121	246511
UN11491	Rsa1.0_00470.1	668	81968	1.00E-162	359	383	93 -	291	665	27987	28369
UN11492	Rsa1.0_15660.1	801	2496	0	790	798	98 -	2	797	1451	2246
UN11493	Rsa1.0_00098.1	1057	349239	0	420	426	98 +	630	1054	293541	293966
UN11494	Rsa1.0_03081.1	288	25523	9.00E-76	249	275	90 +	20	285	23144	23409
UN11495	Rsa1.0_05081.1	1467	136103	1.00E-120	263	277	94 -	774	1050	2078	2351
UN11496	Rsa1.0_03460.1	1355	22747	0	662	692	95 -	669	1355	12206	12897
UN11497	Rsa1.0_00192.1	1204	278200	0	1003	1040	96 -	2	1039	225853	226884
UN11498	Rsa1.0_00370.1	884	90472	0	400	420	95 -	356	770	4877	5296
UN11499	Rsa1.0_04002.1	516	19608	5.00E-88	172	173	99 +	124	296	17107	17278
UN11500	Rsa1.0_00730.1	1032	66673	0	884	899	98 +	30	926	52983	53881
UN11501	Rsa1.0_00059.1	1157	159650	0	577	614	93 -	552	1157	136132	136741
UN11502	Rsa1.0_00339.1	1395	222974	0	1085	1110	97 +	10	1119	4026	5135
UN11503	Rsa1.0_05153.1	739	14663	1.00E-105	240	253	94 +	468	714	2744	2994

UN11504	Rsa1.0.00214.1	782	107508	0	509	545	93 -	6	549	20107	20647
UN11505	Rsa1.0.00280.1	1143	99966	0	1135	1144	99 -	2	1143	19098	20241
UN11506	Rsa1.0.00411.1	859	86944	0	804	877	91 +	19	859	61976	62834
UN11507	Rsa1.0.00971.1	938	57973	4.00E-16	45	45	100 -	790	834	43513	43557
UN11508	Rsa1.0.01146.1	733	163455	2.00E-72	192	208	92 -	529	732	20587	20793
UN11509	Rsa1.0.00341.1	2225	249309	0	714	715	99 -	774	1488	22700	23414
UN11510	Rsa1.0.00294.1	728	144860	1.00E-162	316	325	97 -	68	392	116969	117293
UN11511	Rsa1.0.02922.1	954	26753	1.00E-109	226	233	96 -	564	795	12457	12689
UN11512	Rsa1.0.00055.1	853	520193	1.00E-138	267	273	97 +	473	745	310467	310739
UN11513	Rsa1.0.00081.1	1008	143261	1.00E-157	314	321	97 +	691	1008	134326	134645
UN11514	Rsa1.0.01651.1	1064	41586	4.00E-93	177	178	99 -	2	179	39853	40030
UN11515	Rsa1.0.18474.1	1317	1593	1.00E-126	242	246	98 -	2	247	744	989
UN11516	Rsa1.0.00054.1	1117	162053	1.00E-169	307	309	99 -	809	1117	5512	5820
UN11517	Rsa1.0.08183.1	964	7775	0	488	500	97 -	195	694	5000	5498
UN11518	Rsa1.0.03350.1	1185	23522	0	406	420	96 -	769	1185	19888	20307
UN11519	Rsa1.0.03646.1	724	21598	1.00E-178	317	317	100 +	408	724	13555	13871
UN11520	Rsa1.0.04043.1	1413	19416	0	735	790	93 -	3	783	4796	5566
UN11521	Rsa1.0.02105.1	311	156953	1.00E-112	284	303	93 -	15	311	149104	149404
UN11522	Rsa1.0.00934.1	1254	193516	0	1244	1253	99 +	1	1252	145909	147161
UN11523	Rsa1.0.00392.1	1243	88523	0	593	596	99 +	648	1243	65484	66079
UN11524	Rsa1.0.05978.1	531	12053	4.00E-33	94	101	93 -	210	310	2504	2604
UN11525	Rsa1.0.00045.1	898	328694	1.00E-107	214	218	98 +	681	898	313124	313340
UN11526	Rsa1.0.00202.1	1537	185895	1.00E-176	383	403	95 +	2	401	110697	111096
UN11527	Rsa1.0.08486.1	1086	7286	0	654	658	99 -	429	1086	3718	4375
UN11528	Rsa1.0.02203.1	633	164532	1.00E-121	265	280	94 -	31	310	27488	27767
UN11529	Rsa1.0.29345.1	1377	785	0	394	397	99 -	981	1377	36	429
UN11530	Rsa1.0.01832.1	683	38581	1.00E-180	361	374	96 -	7	380	31883	32253
UN11531	Rsa1.0.00054.1	763	162053	0	399	411	97 -	3	413	153867	154275
UN11532	Rsa1.0.00287.1	1164	98687	0	354	362	97 +	808	1164	77890	78251
UN11533	Rsa1.0.02096.1	799	35041	0	771	796	96 +	4	799	3488	4277
UN11534	Rsa1.0.00246.1	994	103541	0	937	1040	90 -	1	994	64497	65527
UN11535	Rsa1.0.04165.1	780	18757	0	377	384	98 -	2	385	613	996
UN11536	Rsa1.0.00407.1	533	191544	0	497	499	99 -	1	499	43246	43744
UN11537	Rsa1.0.00116.1	626	365886	0	424	430	98 -	1	430	139262	139691
UN11538	Rsa1.0.00190.1	1422	318240	0	535	551	97 -	16	566	968	1518
UN11539	Rsa1.0.03726.1	1611	21160	1.00E-115	233	240	97 -	1169	1408	14457	14696
UN11540	Rsa1.0.00921.1	791	59599	0	774	794	97 +	1	791	31024	31816
UN11541	Rsa1.0.01643.1	732	41765	1.00E-167	319	326	97 +	1	326	36731	37056
UN11542	Rsa1.0.00940.1	1367	179946	1.00E-142	295	307	96 +	1064	1367	41158	41464

UN11543	Rsa1.0.05168.1	776	14621	0	652	689	94 -	89	765	8801	9486
UN11544	Rsa1.0.00436.1	2058	85008	0	479	479	100 -	1579	2057	15632	16110
UN11545	Rsa1.0.05081.1	867	136103	1.00E-131	345	384	89 +	486	850	5006	5389
UN11546	Rsa1.0.00960.1	1361	58199	0	437	441	99 +	919	1359	29999	30439
UN11547	Rsa1.0.09781.1	1375	6153	0	762	767	99 +	1	767	4622	5388
UN11548	Rsa1.0.02774.1	1243	28038	1.00E-105	243	255	95 -	992	1243	15516	15770
UN11549	Rsa1.0.00168.1	789	115870	1.00E-156	316	327	96 +	114	440	87952	88277
UN11550	Rsa1.0.00127.1	949	127446	1.00E-157	358	385	92 +	33	407	113030	113405
UN11551	Rsa1.0.09854.1	1502	6118	0	1062	1116	95 +	3	1091	306	1415
UN11552	Rsa1.0.02430.1	962	31506	0	489	495	98 -	392	886	18912	19404
UN11553	Rsa1.0.09314.1	1334	6461	0	772	803	96 +	159	947	3997	4799
UN11554	Rsa1.0.02289.1	1144	32981	0	413	417	99 +	3	419	8949	9365
UN11555	Rsa1.0.00206.1	1310	109040	1.00E-164	294	294	100 +	1	294	33998	34291
UN11556	Rsa1.0.00850.1	1187	62193	0	444	448	99 +	740	1187	49866	50311
UN11557	Rsa1.0.00007.1	1406	239325	0	1393	1411	98 -	1	1406	214053	215462
UN11558	Rsa1.0.02343.1	1371	32374	0	425	441	96 -	932	1371	27735	28172
UN11559	Rsa1.0.01118.1	796	53460	1.00E-145	315	333	94 +	2	334	42466	42788
UN11560	Rsa1.0.00145.1	1295	261008	1.00E-136	250	251	99 -	2	252	42012	42262
UN11561	Rsa1.0.00290.1	866	225096	0	371	377	98 -	3	379	15513	15888
UN11562	Rsa1.0.00087.1	799	761073	1.00E-143	287	294	97 -	498	790	102249	102541
UN11563	Rsa1.0.00046.1	1402	320315	0	644	670	96 +	735	1401	52061	52724
UN11564	Rsa1.0.00128.1	1367	228675	1.00E-150	270	270	100 +	479	748	181348	181617
UN11565	Rsa1.0.00240.1	757	104175	4.00E-80	171	176	97 +	454	629	86117	86291
UN11566	Rsa1.0.00105.1	910	134138	0	598	617	96 +	27	642	106705	107306
UN11567	Rsa1.0.01020.1	1094	56619	1.00E-120	231	235	98 +	209	443	33443	33677
UN11568	Rsa1.0.04831.1	1098	15799	9.00E-76	325	383	84 -	546	927	12431	12805
UN11569	Rsa1.0.03194.1	770	24674	1.00E-147	265	265	100 -	2	266	3262	3526
UN11570	Rsa1.0.00353.1	1232	92242	0	1190	1225	97 -	3	1224	27804	29025
UN11571	Rsa1.0.00368.1	788	90669	1.00E-119	247	256	96 -	1	256	5179	5432
UN11572	Rsa1.0.02326.1	944	32503	1.00E-161	332	348	95 -	34	372	25887	26234
UN11573	Rsa1.0.00494.1	807	79967	0	780	794	98 +	3	796	48939	49724
UN11574	Rsa1.0.00470.1	831	81968	1.00E-138	279	289	96 -	543	831	53615	53903
UN11575	Rsa1.0.00471.1	663	81897	1.00E-180	369	384	96 -	279	658	24754	25135
UN11576	Rsa1.0.09568.1	733	6284	1.00E-123	250	258	96 +	15	272	2860	3114
UN11577	Rsa1.0.00080.1	969	190437	0	680	702	96 -	147	845	104976	105677
UN11578	Rsa1.0.00207.1	1216	248736	3.00E-63	142	148	95 +	461	608	202907	203054
UN11579	Rsa1.0.07826.1	1153	8466	0	985	990	99 +	1	990	7477	8466
UN11580	Rsa1.0.00620.1	766	71985	0	568	617	92 +	154	766	8178	8789
UN11581	Rsa1.0.01151.1	756	52268	1.00E-123	245	252	97 +	25	276	27935	28186

UN11582	Rsa1.0.00014.1	829	348985	1.00E-144	288	297	96 +	2	294	322437	322733
UN11583	Rsa1.0.01976.1	504	36570	5.00E-94	209	218	95 +	273	488	1119	1335
UN11584	Rsa1.0.02672.1	854	28884	0	677	745	90 +	133	846	10847	11584
UN11585	Rsa1.0.00189.1	759	111830	0	457	462	98 +	249	710	110540	111000
UN11586	Rsa1.0.00421.1	684	86365	8.00E-69	249	273	91 -	412	677	82657	82920
UN11587	Rsa1.0.00341.1	818	249309	1.00E-142	324	344	94 +	463	806	190245	190586
UN11588	Rsa1.0.00871.1	1236	61539	0	443	452	98 +	786	1234	4051	4502
UN11589	Rsa1.0.00001.1	953	363028	0	339	342	99 +	610	951	93769	94109
UN11590	Rsa1.0.01883.1	1317	37661	0	804	814	98 -	503	1316	35457	36270
UN11591	#	#	#	#	#	#	#	#	#	#	#
UN11592	Rsa1.0.00156.1	853	118383	1.00E-151	334	355	94 +	162	516	41727	42081
UN11593	Rsa1.0.00002.1	1355	601661	0	602	631	95 -	225	848	407155	407779
UN11594	Rsa1.0.07591.1	682	9060	1.00E-137	279	288	96 +	391	677	6177	6464
UN11595	Rsa1.0.05146.1	887	14678	0	843	875	96 -	13	887	3725	4598
UN11596	Rsa1.0.08015.1	676	8078	1.00E-119	218	218	100 -	2	219	2331	2548
UN11597	Rsa1.0.01235.1	844	50180	0	815	840	97 +	5	844	20788	21614
UN11598	Rsa1.0.04888.1	1255	15595	2.00E-31	129	147	87 +	1084	1229	3004	3150
UN11599	Rsa1.0.02725.1	945	28404	0	631	634	99 +	312	945	1939	2572
UN11600	Rsa1.0.01986.1	490	36489	1.00E-173	351	363	96 +	117	478	23647	24007
UN11601	Rsa1.0.06647.1	1093	10604	0	612	638	95 +	463	1093	6307	6942
UN11602	Rsa1.0.00079.1	822	606987	1.00E-178	373	388	96 -	3	390	190876	191255
UN11603	Rsa1.0.03149.1	661	24983	1.00E-111	213	216	98 -	259	474	15485	15700
UN11604	Rsa1.0.03173.1	989	24815	0	951	983	96 +	9	989	18022	19004
UN11605	Rsa1.0.00578.1	476	74581	0	453	469	96 -	6	474	57295	57755
UN11606	Rsa1.0.03706.1	697	21255	0	678	701	96 +	1	697	481	1180
UN11607	Rsa1.0.04483.1	744	17174	1.00E-130	285	298	95 -	449	744	7590	7879
UN11608	Rsa1.0.05984.1	1191	12031	1.00E-138	287	298	96 -	11	302	10469	10766
UN11609	Rsa1.0.00119.1	1221	467509	0	594	610	97 -	611	1220	383281	383890
UN11610	Rsa1.0.01454.1	1238	45440	1.00E-160	364	390	93 +	849	1238	32801	33170
UN11611	Rsa1.0.01679.1	1277	146876	2.00E-95	233	249	93 -	1014	1260	135000	135247
UN11612	Rsa1.0.00005.1	828	353093	1.00E-130	242	244	99 +	239	482	329300	329543
UN11613	Rsa1.0.01294.1	820	49090	0	443	443	100 -	3	445	36747	37189
UN11614	Rsa1.0.00230.1	1171	105389	1.00E-126	238	241	98 +	689	929	87728	87968
UN11615	Rsa1.0.00765.1	892	65029	0	871	891	97 -	2	892	22820	23710
UN11616	Rsa1.0.00457.1	1321	337301	0	861	911	94 -	3	909	317916	318814
UN11617	Rsa1.0.00092.1	1298	659932	1.00E-162	310	314	98 +	985	1298	626655	626966
UN11618	Rsa1.0.00044.1	760	271658	1.00E-148	293	302	97 +	458	759	133405	133706
UN11619	Rsa1.0.00764.1	977	65056	0	521	527	98 +	3	529	39975	40501
UN11620	Rsa1.0.07475.1	953	9292	0	503	520	96 +	312	826	585	1104

UN11621	Rsa1.0.05496.1	1925	13533	0	806	816	98 -	869	1684	453	1265
UN11622	Rsa1.0.07321.1	854	9559	1.00E-176	373	390	95 -	442	824	4937	5326
UN11623	Rsa1.0.07381.1	856	9488	0	526	531	99 -	269	798	7918	8448
UN11624	Rsa1.0.00356.1	982	91521	0	385	404	95 -	201	604	80712	81097
UN11625	Rsa1.0.00216.1	1207	197563	0	545	562	96 +	646	1207	92955	93510
UN11626	Rsa1.0.02694.1	903	28610	0	699	715	97 -	2	716	9378	10092
UN11627	Rsa1.0.00047.1	1249	168582	0	1146	1193	96 -	1	1176	154406	155597
UN11628	Rsa1.0.00419.1	906	86562	3.00E-75	144	144	100 -	361	504	42048	42191
UN11629	Rsa1.0.01960.1	1136	36766	0	396	411	96 -	726	1136	27519	27929
UN11630	Rsa1.0.05056.1	1395	14981	0	373	373	100 -	3	375	9065	9437
UN11631	Rsa1.0.03150.1	1351	24980	0	363	364	99 +	3	366	22091	22454
UN11632	Rsa1.0.01789.1	1098	39250	1.00E-150	281	285	98 -	812	1096	7449	7733
UN11633	Rsa1.0.01957.1	599	36844	1.00E-126	232	233	99 -	87	319	13472	13704
UN11634	Rsa1.0.02173.1	834	34318	0	471	486	96 +	293	777	30693	31178
UN11635	Rsa1.0.08846.1	816	6867	1.00E-58	145	153	94 -	38	185	6654	6806
UN11636	Rsa1.0.33317.1	963	681	1.00E-165	374	399	93 +	3	401	1	398
UN11637	Rsa1.0.02179.1	1086	34188	0	1057	1085	97 +	2	1086	19843	20926
UN11638	Rsa1.0.18402.1	1153	1605	0	737	759	97 -	401	1153	232	990
UN11639	Rsa1.0.04497.1	1194	17103	1.00E-176	313	313	100 +	882	1194	3905	4217
UN11640	Rsa1.0.03125.1	990	147978	0	677	705	96 -	2	704	131175	131879
UN11641	Rsa1.0.00725.1	1787	66757	0	743	825	90 +	20	843	45581	46401
UN11642	Rsa1.0.18069.1	868	1678	1.00E-130	303	319	94 +	549	862	197	504
UN11643	Rsa1.0.00341.1	1653	249309	0	596	600	99 -	1054	1653	207027	207626
UN11644	Rsa1.0.00041.1	1489	186197	1.00E-137	263	268	98 -	253	520	129816	130083
UN11645	Rsa1.0.00185.1	665	248445	0	540	552	97 -	117	665	30579	31130
UN11646	Rsa1.0.01896.1	867	37512	0	627	647	96 +	211	856	19518	20164
UN11647	Rsa1.0.00141.1	772	121494	0	519	537	96 -	6	542	60107	60643
UN11648	Rsa1.0.00487.1	799	80674	9.00E-63	123	123	100 -	1	123	15702	15824
UN11649	Rsa1.0.02174.1	685	34316	0	667	685	97 -	3	683	10485	11169
UN11650	Rsa1.0.00503.1	626	79468	6.00E-88	192	200	96 +	428	625	66553	66752
UN11651	Rsa1.0.01724.1	773	40292	8.00E-97	189	192	98 -	1	192	13121	13312
UN11652	Rsa1.0.00398.1	896	88007	0	411	431	95 +	471	896	63443	63872
UN11653	Rsa1.0.00093.1	1222	214962	0	372	377	98 +	263	639	133459	133835
UN11654	Rsa1.0.02223.1	1191	152421	0	1164	1195	97 +	3	1190	14300	15494
UN11655	Rsa1.0.00800.1	642	63868	0	415	433	95 -	204	636	13864	14285
UN11656	Rsa1.0.01093.1	1628	54312	0	505	508	99 +	1121	1628	47030	47536
UN11657	Rsa1.0.01054.1	815	55470	0	640	642	99 -	171	811	8770	9411
UN11658	Rsa1.0.05305.1	588	14207	0	402	427	94 +	122	535	1015	1438
UN11659	Rsa1.0.00119.1	1304	467509	0	428	439	97 +	31	469	447655	448093

UN11660	Rsa1.0.00485.1	930	80937	0	424	428	99 -	503	930	40721	41148
UN11661	Rsa1.0.00044.1	885	271658	0	858	909	94 +	4	885	260545	261450
UN11662	Rsa1.0.00438.1	881	84861	0	370	380	97 +	501	877	75306	75684
UN11663	Rsa1.0.00068.1	802	151813	0	769	809	95 -	2	801	43681	44485
UN11664	Rsa1.0.01053.1	1150	55483	0	1147	1149	99 -	2	1148	46230	47378
UN11665	Rsa1.0.38108.1	244	591	2.00E-73	185	198	93 +	1	192	31	225
UN11666	Rsa1.0.00395.1	1228	214466	0	358	362	98 -	3	363	5892	6253
UN11667	Rsa1.0.03615.1	1206	21766	0	1004	1061	94 -	1	1057	17207	18246
UN11668	Rsa1.0.02312.1	234	32675	8.00E-85	207	223	92 +	9	231	16058	16280
UN11669	Rsa1.0.02361.1	1445	32190	0	344	346	99 -	2	347	11102	11446
UN11670	Rsa1.0.00066.1	643	152418	0	606	629	96 -	1	620	63377	64003
UN11671	Rsa1.0.02431.1	1367	31504	1.00E-111	262	276	94 -	109	380	2929	3203
UN11672	Rsa1.0.01552.1	778	43396	0	357	365	97 -	414	778	15684	16048
UN11673	Rsa1.0.03005.1	1129	26082	0	539	573	94 +	1	572	3526	4084
UN11674	Rsa1.0.03385.1	756	23280	0	552	582	94 -	2	570	3669	4250
UN11675	Rsa1.0.04236.1	367	18370	1.00E-117	268	284	94 -	17	298	6470	6751
UN11676	Rsa1.0.02633.1	985	29315	0	452	473	95 -	515	983	308	771
UN11677	Rsa1.0.04397.1	1308	17555	0	535	554	96 -	10	561	3221	3767
UN11678	Rsa1.0.02593.1	680	29744	1.00E-83	224	244	91 +	1	236	2922	3164
UN11679	Rsa1.0.00167.1	1615	116000	0	1352	1448	93 +	1	1424	87105	88534
UN11680	Rsa1.0.08919.1	755	6788	0	589	603	97 -	6	608	517	1119
UN11681	Rsa1.0.00087.1	1662	761073	1.00E-134	247	248	99 +	1	248	291710	291957
UN11682	Rsa1.0.00586.1	972	163802	2.00E-76	254	290	87 -	248	537	108878	109167
UN11683	Rsa1.0.18588.1	968	1570	1.00E-106	302	334	90 -	2	331	1176	1508
UN11684	Rsa1.0.00285.1	773	149638	1.00E-174	372	389	95 +	3	388	146424	146811
UN11685	Rsa1.0.05180.1	1019	14575	0	421	436	96 +	144	575	4725	5159
UN11686	Rsa1.0.00522.1	1106	78103	1.00E-101	200	204	98 -	637	840	35226	35429
UN11687	Rsa1.0.01631.1	1650	41882	0	386	386	100 -	1	386	4841	5226
UN11688	Rsa1.0.01219.1	1085	50527	0	835	861	96 -	229	1085	9487	10346
UN11689	Rsa1.0.00114.1	1610	131330	0	577	581	99 +	1	580	7618	8197
UN11690	Rsa1.0.00092.1	680	659932	0	437	457	95 +	1	453	8515	8964
UN11691	Rsa1.0.01537.1	955	187285	0	353	361	97 +	2	360	38620	38980
UN11692	Rsa1.0.01286.1	1170	49209	1.00E-130	297	320	92 -	1	306	3049	3368
UN11693	Rsa1.0.09568.1	845	6284	1.00E-74	220	242	90 -	1	240	5564	5803
UN11694	Rsa1.0.01454.1	841	45440	1.00E-160	295	297	99 +	1	295	14232	14528
UN11695	Rsa1.0.06073.1	1361	11807	0	654	680	96 -	1	678	4362	5029
UN11696	Rsa1.0.03126.1	149	25192	4.00E-67	144	149	96 -	1	149	6718	6866
UN11697	Rsa1.0.00382.1	1180	251946	0	482	489	98 +	693	1180	173937	174423
UN11698	Rsa1.0.02625.1	988	139104	0	907	939	96 +	15	946	24773	25711

UN11699	Rsa1.0_00634.1	512	71222	1.00E-180	380	399	95 -	1	399	57160	57557
UN11700	Rsa1.0_14151.1	603	3731	0	397	409	97 -	1	409	981	1389
UN11701	Rsa1.0_00198.1	965	222963	1.00E-167	358	373	95 +	7	378	135060	135427
UN11702	Rsa1.0_02593.1	1468	29744	1.00E-164	330	342	96 +	331	672	4754	5095
UN11703	Rsa1.0_03631.1	1522	21647	0	811	836	97 -	690	1522	14187	15017
UN11704	Rsa1.0_00351.1	917	413096	0	895	912	98 -	6	917	124066	124977
UN11705	Rsa1.0_18611.1	1329	1565	0	432	447	96 -	1	447	957	1402
UN11706	Rsa1.0_00119.1	988	467509	0	640	669	95 +	1	668	383222	383890
UN11707	Rsa1.0_00029.1	1435	272992	0	1161	1229	94 +	1	1206	257531	258746
UN11708	Rsa1.0_00222.1	1276	172263	0	538	577	93 -	714	1276	39715	40291
UN11709	Rsa1.0_02866.1	1811	27122	0	537	539	99 +	903	1441	9631	10169
UN11710	Rsa1.0_00662.1	900	192183	0	806	838	96 -	68	900	68347	69184
UN11711	Rsa1.0_00329.1	1334	222544	0	682	690	98 +	6	694	193045	193732
UN11712	Rsa1.0_05559.1	693	13329	0	430	444	96 -	61	504	8434	8872
UN11713	Rsa1.0_01482.1	289	44855	1.00E-147	279	284	98 +	6	289	11985	12268
UN11714	Rsa1.0_01419.1	1350	167402	0	627	689	91 +	677	1345	142662	143339
UN11715	Rsa1.0_00045.1	639	328694	0	581	585	99 -	55	639	302570	303154
UN11716	Rsa1.0_26735.1	757	880	1.00E-127	495	583	84 -	175	757	267	849
UN11717	Rsa1.0_00041.1	894	186197	1.00E-100	208	214	97 +	288	501	127713	127925
UN11718	Rsa1.0_00178.1	1103	114861	0	859	902	95 -	1	882	5884	6780
UN11719	Rsa1.0_09471.1	730	6345	1.00E-132	248	251	98 -	383	633	496	746
UN11720	Rsa1.0_00967.1	1072	58049	0	889	911	97 +	160	1070	10028	10937
UN11721	Rsa1.0_06312.1	580	11253	0	433	458	94 -	7	464	6117	6556
UN11722	Rsa1.0_01441.1	952	45790	0	760	768	98 -	1	767	19120	19885
UN11723	Rsa1.0_03388.1	1241	23277	0	417	426	97 +	2	427	17420	17845
UN11724	Rsa1.0_00417.1	722	395068	1.00E-165	336	352	95 +	381	720	14475	14826
UN11725	Rsa1.0_21914.1	151	1163	1.00E-45	135	149	90 -	1	149	326	474
UN11726	Rsa1.0_08811.1	875	6904	0	516	545	94 +	8	548	2993	3531
UN11727	Rsa1.0_07806.1	758	8506	1.00E-175	331	336	98 -	423	758	6161	6495
UN11728	Rsa1.0_01326.1	437	48072	1.00E-104	255	280	91 +	178	435	10896	11175
UN11729	Rsa1.0_00524.1	836	169613	1.00E-111	207	208	99 -	372	579	133897	134104
UN11730	Rsa1.0_16139.1	1009	2268	1.00E-93	209	219	95 -	286	503	684	902
UN11731	Rsa1.0_11716.1	827	5431	1.00E-126	257	262	98 +	568	826	318	579
UN11732	Rsa1.0_02774.1	763	28038	1.00E-154	329	349	94 -	28	376	18910	19246
UN11733	Rsa1.0_00214.1	808	107508	0	388	389	99 -	420	808	69319	69707
UN11734	Rsa1.0_01621.1	1133	42090	0	386	393	98 -	47	439	170	562
UN11735	Rsa1.0_00191.1	612	316976	0	526	574	91 -	39	587	122015	122582
UN11736	Rsa1.0_00151.1	949	119541	0	454	467	97 +	2	467	29920	30385
UN11737	Rsa1.0_00751.1	1405	65759	0	1314	1421	92 +	3	1404	56920	58302

UN11738	Rsa1.0_04426.1	893	17399	0	494	508	97 +	389	893	16809	17316
UN11739	Rsa1.0_09343.1	1159	6439	0	363	365	99 -	793	1157	4332	4696
UN11740	Rsa1.0_00097.1	1166	138858	1.00E-128	249	253	98 +	80	332	116669	116920
UN11741	Rsa1.0_00803.1	988	144228	1.00E-101	213	222	95 -	727	942	2413	2634
UN11742	Rsa1.0_00222.1	1313	172263	0	1171	1221	95 -	103	1313	22625	23839
UN11743	Rsa1.0_01185.1	735	149842	0	724	729	99 -	3	731	142803	143529
UN11744	Rsa1.0_00176.1	810	240984	1.00E-172	339	351	96 +	3	345	183974	184324
UN11745	Rsa1.0_28876.1	924	800	0	682	705	96 +	220	924	79	782
UN11746	Rsa1.0_00025.1	710	277312	0	569	580	98 +	6	584	52186	52765
UN11747	Rsa1.0_03244.1	814	24413	0	437	439	99 +	3	440	10838	11276
UN11748	Rsa1.0_04436.1	1224	17364	0	607	652	93 -	3	640	15688	16328
UN11749	Rsa1.0_00558.1	1881	75819	0	738	751	98 +	774	1524	28073	28823
UN11750	Rsa1.0_00655.1	834	195840	0	421	427	98 -	407	833	35880	36305
UN11751	Rsa1.0_00207.1	1357	248736	0	386	396	97 +	536	929	63444	63839
UN11752	Rsa1.0_00016.1	1145	831256	0	363	370	98 +	773	1141	326365	326734
UN11753	Rsa1.0_01959.1	1357	36798	0	647	684	94 -	621	1304	15377	16060
UN11754	Rsa1.0_11912.1	1164	5372	0	1138	1176	96 -	3	1164	2904	4079
UN11755	Rsa1.0_00006.1	1004	396176	0	462	466	99 +	101	566	210336	210801
UN11756	Rsa1.0_02099.1	733	35030	1.00E-153	327	342	95 -	392	726	17697	18038
UN11757	Rsa1.0_00789.1	1288	64233	4.00E-78	174	181	96 +	887	1061	24697	24877
UN11758	Rsa1.0_02939.1	860	26595	0	622	658	94 -	1	649	15749	16400
UN11759	Rsa1.0_00242.1	762	103956	0	579	596	97 +	2	596	89912	90498
UN11760	Rsa1.0_04369.1	1109	17703	1.00E-99	232	249	93 +	2	250	7015	7254
UN11761	Rsa1.0_42525.1	1252	528	6.00E-74	163	169	96 +	275	441	1	169
UN11762	Rsa1.0_00017.1	1507	752458	0	963	1028	93 -	1	1019	416018	417042
UN11763	Rsa1.0_04873.1	935	15657	1.00E-106	217	224	96 -	9	232	8145	8368
UN11764	Rsa1.0_03410.1	1530	23147	0	1488	1541	96 +	6	1530	20091	21629
UN11765	Rsa1.0_00977.1	961	198001	1.00E-128	246	249	98 +	713	961	29296	29543
UN11766	Rsa1.0_02606.1	991	29635	1.00E-173	314	316	99 +	676	991	13308	13623
UN11767	Rsa1.0_00340.1	654	305782	0	369	369	100 -	286	654	159725	160093
UN11768	Rsa1.0_00720.1	805	66931	1.00E-147	312	324	96 +	3	326	31878	32198
UN11769	Rsa1.0_06619.1	779	10650	0	350	356	98 +	6	361	517	871
UN11770	Rsa1.0_05095.1	947	14869	8.00E-76	170	178	95 +	15	188	14642	14819
UN11771	Rsa1.0_00176.1	971	240984	0	828	860	96 +	4	856	1877	2736
UN11772	Rsa1.0_04542.1	669	16930	1.00E-180	319	319	100 -	1	319	15134	15452
UN11773	Rsa1.0_02410.1	508	31659	0	506	507	99 -	3	508	21387	21893
UN11774	Rsa1.0_00097.1	771	138858	0	400	412	97 +	340	747	116669	117080
UN11775	Rsa1.0_02958.1	779	26443	0	768	788	97 +	2	779	8913	9700
UN11776	Rsa1.0_00123.1	1115	325650	1.00E-160	341	357	95 +	1	355	46100	46450

UN11777	Rsa1.0.00512.1	693	200277	1.00E-112	214	217	98 -	188	404	190936	191152
UN11778	Rsa1.0.00635.1	647	175826	1.00E-134	255	259	98 -	277	535	124757	125015
UN11779	Rsa1.0.06561.1	1159	10772	0	434	448	96 -	2	449	5342	5777
UN11780	Rsa1.0.08849.1	781	6864	1.00E-119	217	217	100 -	4	220	1	217
UN11781	Rsa1.0.00300.1	940	97747	1.00E-166	297	297	100 -	528	824	11210	11506
UN11782	Rsa1.0.06056.1	707	137271	1.00E-107	211	214	98 -	3	215	125553	125766
UN11783	Rsa1.0.00026.1	943	327835	0	425	434	97 -	510	943	178615	179048
UN11784	Rsa1.0.00545.1	1271	189649	0	1000	1045	95 +	193	1233	31865	32902
UN11785	Rsa1.0.00017.1	1611	752458	1.00E-177	367	383	95 +	1229	1611	711970	712351
UN11786	Rsa1.0.01453.1	829	45449	1.00E-130	255	260	98 -	535	793	14857	15116
UN11787	Rsa1.0.00071.1	985	345714	1.00E-119	224	226	99 +	3	228	216763	216988
UN11788	Rsa1.0.03407.1	836	23154	1.00E-141	263	266	98 +	27	292	3652	3917
UN11789	Rsa1.0.01788.1	996	39296	0	982	998	98 +	1	996	19142	20138
UN11790	Rsa1.0.00688.1	793	68396	0	720	739	97 +	19	756	41265	42003
UN11791	Rsa1.0.00269.1	1453	341668	0	514	521	98 -	76	596	316281	316801
UN11792	#	#	#	#	#	#	#	#	#	#	#
UN11793	Rsa1.0.00039.1	914	296927	0	548	578	94 -	341	914	11873	12448
UN11794	Rsa1.0.01321.1	976	48248	1.00E-157	376	403	93 +	570	963	8431	8825
UN11795	Rsa1.0.29623.1	783	777	0	537	538	99 +	155	692	240	777
UN11796	Rsa1.0.01883.1	958	37661	2.00E-67	177	192	92 +	543	725	29480	29671
UN11797	Rsa1.0.00947.1	1291	58664	0	457	460	99 -	832	1291	51430	51889
UN11798	Rsa1.0.17015.1	881	1953	1.00E-100	221	235	94 -	4	226	874	1108
UN11799	#	#	#	#	#	#	#	#	#	#	#
UN11800	Rsa1.0.00776.1	881	64637	0	768	853	90 +	1	850	6953	7804
UN11801	Rsa1.0.00741.1	980	66117	1.00E-175	344	351	98 +	615	962	50868	51218
UN11802	Rsa1.0.00772.1	806	64856	1.00E-68	142	145	97 +	122	266	6216	6360
UN11803	Rsa1.0.00146.1	605	149343	1.00E-143	258	258	100 -	186	443	57099	57356
UN11804	Rsa1.0.00611.1	1752	72410	0	1364	1419	96 +	3	1414	42889	44294
UN11805	Rsa1.0.00081.1	1769	143261	0	419	443	94 +	1294	1733	129500	129940
UN11806	Rsa1.0.01516.1	1447	44196	4.00E-88	169	170	99 -	1	170	37369	37538
UN11807	Rsa1.0.04835.1	886	15766	1.00E-133	272	281	96 -	160	440	9964	10243
UN11808	Rsa1.0.55259.1	1460	413	1.00E-140	302	317	95 -	1094	1410	1	316
UN11809	Rsa1.0.00037.1	812	307838	1.00E-71	141	142	99 +	281	422	306697	306838
UN11810	Rsa1.0.00890.1	1692	323870	1.00E-156	338	354	95 +	1335	1687	213285	213634
UN11811	Rsa1.0.00913.1	690	59914	1.00E-169	369	390	94 +	228	614	10123	10509
UN11812	Rsa1.0.01028.1	1563	56401	0	900	916	98 +	657	1563	4694	5609
UN11813	Rsa1.0.05561.1	1066	13326	0	471	478	98 +	274	751	3563	4040
UN11814	Rsa1.0.00305.1	683	97308	1.00E-162	310	316	98 -	368	683	87066	87378
UN11815	Rsa1.0.00044.1	1413	271658	6.00E-62	122	122	100 -	624	745	178856	178977

UN11816	Rsa1.0_00413.1	966	86921	0	861	862	99 +	105	966	4445	5306
UN11817	Rsa1.0_01838.1	941	38500	0	828	842	98 +	3	844	7180	8021
UN11818	Rsa1.0_00697.1	845	67913	1.00E-125	236	239	98 +	3	241	54368	54606
UN11819	Rsa1.0_00135.1	1287	178077	0	1250	1290	96 -	3	1285	94525	95810
UN11820	Rsa1.0_01220.1	495	161775	1.00E-131	314	336	93 +	1	336	27368	27698
UN11821	Rsa1.0_00645.1	1315	189716	0	476	480	99 +	836	1315	34408	34887
UN11822	Rsa1.0_00026.1	925	327835	0	439	456	96 -	470	925	240935	241378
UN11823	Rsa1.0_00135.1	820	178077	0	412	414	99 +	3	416	79673	80086
UN11824	Rsa1.0_04773.1	1403	16037	0	1093	1095	99 +	309	1403	9495	10589
UN11825	Rsa1.0_01435.1	1538	45942	0	459	488	94 +	482	965	40444	40931
UN11826	Rsa1.0_00975.1	1263	57865	0	496	509	97 +	753	1261	6741	7247
UN11827	Rsa1.0_07005.1	1416	10044	0	1364	1442	94 +	2	1416	7961	9379
UN11828	Rsa1.0_00135.1	1368	178077	0	521	521	100 +	2	522	102875	103395
UN11829	Rsa1.0_00014.1	628	348985	1.00E-76	155	158	98 -	296	453	220174	220331
UN11830	Rsa1.0_00757.1	676	65559	7.00E-57	116	117	99 -	280	396	60113	60229
UN11831	Rsa1.0_00629.1	685	71381	0	382	385	99 -	3	387	8236	8620
UN11832	Rsa1.0_00610.1	670	72740	0	644	665	96 +	3	667	3651	4315
UN11833	Rsa1.0_00563.1	620	75491	0	615	620	99 -	1	620	22740	23359
UN11834	Rsa1.0_40553.1	369	553	1.00E-142	348	373	93 -	2	369	94	463
UN11835	Rsa1.0_14004.1	896	3929	2.00E-27	94	102	92 -	22	119	869	970
UN11836	Rsa1.0_04419.1	766	17430	0	415	434	95 +	2	435	9162	9586
UN11837	Rsa1.0_01022.1	1152	56606	0	766	810	94 +	11	818	22338	23145
UN11838	Rsa1.0_01957.1	1846	36844	0	1128	1141	98 -	697	1832	23491	24629
UN11839	Rsa1.0_00197.1	838	109714	1.00E-120	219	219	100 +	620	838	93294	93512
UN11840	Rsa1.0_01876.1	1148	37800	0	1137	1147	99 -	2	1148	7315	8458
UN11841	Rsa1.0_00002.1	928	601661	1.00E-150	284	289	98 +	596	884	136152	136440
UN11842	Rsa1.0_07942.1	795	8213	0	380	381	99 -	415	795	3890	4270
UN11843	Rsa1.0_00019.1	1397	301669	1.00E-155	300	306	98 -	1063	1368	176993	177297
UN11844	Rsa1.0_00010.1	1526	294827	0	441	477	92 -	1055	1512	132178	132653
UN11845	Rsa1.0_00518.1	985	78360	0	410	430	95 -	556	985	65054	65481
UN11846	Rsa1.0_04397.1	823	17555	1.00E-144	275	280	98 +	280	559	1800	2079
UN11847	Rsa1.0_02750.1	844	28239	2.00E-91	209	221	94 -	505	722	23211	23431
UN11848	Rsa1.0_01591.1	973	42718	1.00E-133	285	299	95 +	433	728	8053	8351
UN11849	Rsa1.0_00632.1	1459	183777	0	560	571	98 +	889	1459	160327	160897
UN11850	Rsa1.0_00655.1	1280	195840	0	344	344	100 -	1	344	154909	155252
UN11851	Rsa1.0_00351.1	841	413096	1.00E-176	320	322	99 +	520	841	267204	267525
UN11852	Rsa1.0_01100.1	890	54113	0	410	417	98 +	3	419	22249	22663
UN11853	Rsa1.0_00129.1	998	126831	0	339	343	98 +	656	998	88631	88973
UN11854	Rsa1.0_01969.1	1251	153351	0	578	581	99 -	205	785	18539	19119

UN11855	Rsa1.0_01732.1	883	40194	0	528	535	98 +	349	883	35777	36311
UN11856	Rsa1.0_00145.1	1205	261008	0	664	694	95 +	334	1021	252085	252778
UN11857	Rsa1.0_00202.1	918	185895	0	327	328	99 +	2	329	132991	133318
UN11858	Rsa1.0_01077.1	1449	54772	0	1038	1101	94 +	361	1448	48375	49471
UN11859	Rsa1.0_03575.1	1383	22002	0	1376	1382	99 -	2	1383	13685	15065
UN11860	Rsa1.0_04820.1	1564	15857	0	745	784	95 -	798	1563	14846	15622
UN11861	Rsa1.0_00065.1	911	454616	0	582	598	97 +	314	911	254496	255092
UN11862	Rsa1.0_04396.1	1364	17561	1.00E-114	238	246	96 +	1117	1362	2712	2956
UN11863	Rsa1.0_00155.1	1119	118465	0	796	802	99 -	1	801	61433	62234
UN11864	Rsa1.0_04419.1	1502	17430	0	719	766	93 -	41	798	7377	8124
UN11865	Rsa1.0_00826.1	1052	166736	1.00E-121	221	221	100 +	146	366	155658	155878
UN11866	Rsa1.0_04181.1	1299	18615	0	691	720	95 +	255	974	936	1655
UN11867	Rsa1.0_00019.1	694	301669	0	614	659	93 -	41	694	295429	296083
UN11868	Rsa1.0_00131.1	919	432233	0	884	895	98 +	28	919	93710	94604
UN11869	Rsa1.0_00451.1	1035	322533	0	581	599	96 -	442	1033	64916	65513
UN11870	Rsa1.0_02583.1	975	29887	1.00E-130	254	257	98 +	490	746	4643	4897
UN11871	Rsa1.0_00654.1	772	70012	0	763	771	98 +	3	769	9140	9909
UN11872	Rsa1.0_03731.1	1041	21136	0	465	467	99 +	185	651	631	1097
UN11873	Rsa1.0_07499.1	908	9244	0	413	417	99 -	5	421	6510	6926
UN11874	Rsa1.0_06088.1	770	11767	1.00E-132	289	304	95 -	414	716	7185	7488
UN11875	Rsa1.0_01327.1	928	48033	0	510	512	99 +	2	513	22308	22819
UN11876	Rsa1.0_37083.1	374	608	1.00E-141	269	274	98 -	101	374	208	481
UN11877	Rsa1.0_00347.1	718	93048	1.00E-142	300	314	95 +	5	318	8821	9131
UN11878	Rsa1.0_11571.1	1068	5468	1.00E-148	275	278	98 +	5	282	261	538
UN11879	Rsa1.0_02315.1	1041	32618	1.00E-110	217	222	97 +	818	1039	25958	26179
UN11880	Rsa1.0_11924.1	638	5369	1.00E-132	246	248	99 -	391	638	4938	5185
UN11881	Rsa1.0_03692.1	855	21338	1.00E-132	289	304	95 +	555	854	3649	3951
UN11882	Rsa1.0_00193.1	1378	194198	1.00E-148	718	856	83 +	508	1344	13920	14766
UN11883	Rsa1.0_00278.1	1083	231896	0	628	655	95 +	379	1029	56571	57211
UN11884	Rsa1.0_00571.1	1052	329018	0	701	704	99 +	342	1044	143533	144236
UN11885	Rsa1.0_01516.1	746	44196	1.00E-123	264	276	95 -	216	491	36762	37035
UN11886	Rsa1.0_01317.1	761	48287	0	573	589	97 +	9	596	34091	34677
UN11887	Rsa1.0_01005.1	1308	56967	0	705	718	98 -	594	1308	4965	5682
UN11888	Rsa1.0_01925.1	1226	37220	0	482	507	95 +	723	1223	26163	26668
UN11889	Rsa1.0_00022.1	1068	200461	0	651	654	99 +	205	858	23401	24052
UN11890	Rsa1.0_00040.1	1078	324196	1.00E-147	289	297	97 +	392	688	70238	70534
UN11891	Rsa1.0_04296.1	1036	18030	1.00E-107	230	241	95 +	604	844	14729	14969
UN11892	Rsa1.0_04195.1	847	18528	1.00E-126	238	241	98 -	113	353	11857	12097
UN11893	Rsa1.0_00201.1	714	232851	0	671	713	94 -	4	714	140386	141089

UN11894	Rsa1.0.03344.1	819	23593	0	523	566	92 +	1	558	20630	21195
UN11895	Rsa1.0.02061.1	1002	35487	1.00E-120	304	332	91 -	672	1001	23335	23648
UN11896	Rsa1.0.00741.1	1026	66117	0	653	705	92 -	318	1018	32560	33263
UN11897	Rsa1.0.00344.1	804	191774	1.00E-120	240	246	97 +	268	511	179315	179560
UN11898	Rsa1.0.06039.1	1030	11867	1.00E-136	276	284	97 -	749	1030	11470	11750
UN11899	Rsa1.0.15499.1	696	2570	1.00E-134	260	266	97 -	120	385	1132	1397
UN11900	Rsa1.0.00813.1	899	63202	1.00E-125	261	273	95 +	627	899	15290	15554
UN11901	Rsa1.0.00626.1	1332	71582	1.00E-139	522	613	85 +	723	1331	45083	45656
UN11902	Rsa1.0.01477.1	785	45008	0	743	787	94 -	2	782	41030	41809
UN11903	Rsa1.0.01731.1	521	40208	1.00E-66	204	228	89 +	3	230	34880	35105
UN11904	Rsa1.0.00065.1	1402	454616	1.00E-120	220	220	100 +	936	1155	447874	448093
UN11905	Rsa1.0.04043.1	1076	19416	1.00E-147	321	336	95 -	3	336	10618	10946
UN11906	Rsa1.0.00001.1	1105	363028	0	494	531	93 -	2	529	266567	267085
UN11907	Rsa1.0.05599.1	811	143653	0	399	410	97 -	29	438	142328	142737
UN11908	Rsa1.0.02930.1	1192	26668	0	1161	1192	97 +	1	1192	8733	9921
UN11909	Rsa1.0.04458.1	1013	17255	0	984	1015	96 -	4	1013	9436	10442
UN11910	Rsa1.0.01092.1	782	54348	1.00E-117	352	394	89 -	346	712	7601	7993
UN11911	Rsa1.0.04141.1	1041	18864	0	453	456	99 +	3	456	14170	14625
UN11912	Rsa1.0.00468.1	1529	82095	0	542	547	99 -	182	728	12803	13349
UN11913	Rsa1.0.35376.1	891	640	1.00E-170	319	324	98 -	179	502	164	487
UN11914	Rsa1.0.00697.1	900	67913	0	783	839	93 +	3	832	42283	43121
UN11915	Rsa1.0.05367.1	835	14010	0	468	470	99 +	3	472	2687	3156
UN11916	Rsa1.0.03304.1	267	23883	2.00E-92	245	272	90 -	2	267	19525	19784
UN11917	Rsa1.0.00332.1	983	94575	0	475	504	94 +	101	604	54514	55017
UN11918	Rsa1.0.00089.1	1262	406142	0	425	435	97 +	161	595	150722	151156
UN11919	Rsa1.0.01552.1	1044	43396	0	490	498	98 +	213	710	15551	16048
UN11920	Rsa1.0.00269.1	1247	341668	0	913	917	99 +	2	917	37056	37972
UN11921	Rsa1.0.03839.1	1086	20525	4.00E-81	154	154	100 -	2	155	15652	15805
UN11922	Rsa1.0.01343.1	924	47735	0	910	913	99 +	3	915	4082	4994
UN11923	Rsa1.0.04894.1	962	15569	0	945	964	98 +	1	959	3487	4450
UN11924	Rsa1.0.00476.1	1474	280966	0	424	437	97 -	1038	1474	245444	245880
UN11925	Rsa1.0.01164.1	828	51934	0	792	830	95 +	3	828	47385	48204
UN11926	Rsa1.0.03303.1	721	23890	1.00E-148	296	302	98 +	423	721	4111	4412
UN11927	Rsa1.0.06967.1	1411	10093	0	1146	1167	98 -	6	1172	7110	8275
UN11928	Rsa1.0.00040.1	1021	324196	0	549	553	99 +	469	1021	89428	89979
UN11929	Rsa1.0.01836.1	748	38503	1.00E-107	212	217	97 +	280	496	2782	2998
UN11930	Rsa1.0.07840.1	1099	8442	4.00E-53	147	159	92 +	830	987	1451	1609
UN11931	Rsa1.0.00184.1	1249	218748	0	590	617	95 -	642	1249	210843	211456
UN11932	Rsa1.0.01876.1	880	37800	0	688	688	100 +	192	879	36310	36997

UN11933	Rsa1.0_00163.1	942	116847	1.00E-143	277	281	98 -	664	941	10439	10719
UN11934	Rsa1.0_02320.1	724	32575	0	713	725	98 -	4	724	16021	16744
UN11935	Rsa1.0_01600.1	1147	42537	0	375	384	97 -	188	571	38437	38820
UN11936	Rsa1.0_03901.1	604	20170	0	334	337	99 -	268	604	1021	1357
UN11937	Rsa1.0_00275.1	673	210104	1.00E-163	321	331	96 -	3	333	7172	7502
UN11938	Rsa1.0_00051.1	1538	258225	0	1470	1555	94 -	1	1535	119454	120991
UN11939	Rsa1.0_00341.1	1253	249309	0	1240	1250	99 -	4	1253	3216	4465
UN11940	Rsa1.0_10964.1	1155	5663	0	397	406	97 +	645	1050	466	870
UN11941	Rsa1.0_00005.1	1177	353093	0	420	437	96 +	3	430	341181	341617
UN11942	Rsa1.0_05562.1	1119	13323	0	1105	1124	98 -	2	1119	2420	3540
UN11943	Rsa1.0_01236.1	1216	50156	1.00E-107	200	201	99 -	790	990	44319	44519
UN11944	Rsa1.0_00354.1	1494	232005	1.00E-177	408	435	93 +	525	955	191172	191606
UN11945	Rsa1.0_00083.1	1306	442773	0	695	706	98 -	563	1263	359724	360429
UN11946	Rsa1.0_03615.1	1249	21766	0	345	345	100 +	905	1249	6065	6409
UN11947	Rsa1.0_00400.1	1324	87858	1.00E-103	197	199	98 +	1125	1323	61289	61487
UN11948	Rsa1.0_03878.1	1098	20305	1.00E-116	213	213	100 +	555	767	4375	4587
UN11949	Rsa1.0_00326.1	1008	171955	1.00E-179	330	334	98 +	674	1007	65824	66157
UN11950	Rsa1.0_00016.1	1299	831256	1.00E-173	332	340	97 +	555	894	251373	251712
UN11951	Rsa1.0_00038.1	926	314568	1.00E-152	435	494	88 +	275	753	9529	9997
UN11952	Rsa1.0_00121.1	1186	278029	0	693	695	99 -	3	697	241558	242252
UN11953	Rsa1.0_01559.1	1327	43262	0	453	454	99 +	873	1326	4894	5347
UN11954	Rsa1.0_00108.1	1236	478491	0	737	766	96 +	470	1235	108338	109102
UN11955	Rsa1.0_02750.1	1359	28239	8.00E-86	221	237	93 -	1101	1333	25656	25892
UN11956	Rsa1.0_00417.1	765	395068	1.00E-153	389	423	91 +	355	765	228539	228960
UN11957	Rsa1.0_00309.1	1046	96883	5.00E-99	204	208	98 -	840	1046	64164	64370
UN11958	Rsa1.0_00190.1	900	318240	1.00E-154	342	362	94 +	230	582	211050	211411
UN11959	Rsa1.0_24633.1	1241	976	1.00E-99	223	236	94 +	3	238	681	910
UN11960	Rsa1.0_14007.1	770	3925	0	550	551	99 -	2	552	519	1069
UN11961	Rsa1.0_05947.1	1349	12142	0	605	614	98 +	735	1348	3191	3804
UN11962	Rsa1.0_01615.1	1251	42145	3.00E-45	149	166	89 +	443	607	2933	3098
UN11963	Rsa1.0_07021.1	1064	10016	1.00E-151	319	334	95 +	347	677	7093	7426
UN11964	Rsa1.0_00642.1	1096	201230	0	630	630	100 +	467	1096	180069	180698
UN11965	Rsa1.0_01090.1	1231	54385	0	603	631	95 +	595	1220	28191	28818
UN11966	Rsa1.0_00271.1	1043	101125	1.00E-138	289	302	95 -	605	906	36771	37072
UN11967	Rsa1.0_00168.1	831	115870	0	427	437	97 -	396	831	57751	58187
UN11968	Rsa1.0_71997.1	807	318	2.00E-23	81	88	92 -	502	587	26	113
UN11969	Rsa1.0_00187.1	1147	393093	0	1106	1144	96 +	2	1143	245752	246894
UN11970	Rsa1.0_00594.1	172	73729	2.00E-17	55	58	94 -	115	172	30149	30206
UN11971	Rsa1.0_01117.1	899	53465	0	825	841	98 -	66	899	52547	53387

UN11972	Rsa1.0.03365.1	721	23410	0	541	542	99 +	1	542	14847	15388
UN11973	Rsa1.0.06225.1	879	11443	4.00E-31	104	114	91 +	437	550	9455	9567
UN11974	Rsa1.0.00001.1	831	363028	1.00E-163	298	300	99 +	459	758	208174	208473
UN11975	Rsa1.0.00290.1	1135	225096	0	684	706	96 +	1	706	1515	2214
UN11976	Rsa1.0.00803.1	1592	144228	0	1013	1057	95 +	5	1054	135672	136722
UN11977	Rsa1.0.00522.1	1909	78103	0	1078	1100	98 -	1	1082	36235	37334
UN11978	Rsa1.0.00212.1	724	108350	0	708	722	98 +	6	724	66442	67163
UN11979	Rsa1.0.00008.1	825	358124	0	357	357	100 -	128	484	181921	182277
UN11980	Rsa1.0.00079.1	637	606987	0	548	570	96 -	68	637	57329	57898
UN11981	Rsa1.0.00221.1	1236	106972	0	415	426	97 -	1	418	6959	7384
UN11982	Rsa1.0.00005.1	821	353093	0	499	525	95 +	2	524	138046	138562
UN11983	Rsa1.0.00017.1	1045	752458	0	464	464	100 +	1	464	318311	318774
UN11984	Rsa1.0.14319.1	1120	3529	1.00E-169	487	548	88 +	351	898	2316	2860
UN11985	Rsa1.0.00040.1	657	324196	0	510	541	94 -	19	551	114552	115092
UN11986	Rsa1.0.05612.1	1341	13193	0	569	586	97 -	734	1319	2444	3029
UN11987	Rsa1.0.04340.1	305	17831	1.00E-137	291	303	96 -	1	302	505	806
UN11988	Rsa1.0.05360.1	1126	14053	1.00E-149	290	296	97 -	347	641	11840	12135
UN11989	Rsa1.0.01726.1	774	40263	0	442	452	97 +	1	452	172	620
UN11990	Rsa1.0.03995.1	1189	19654	0	348	348	100 +	1	348	8087	8434
UN11991	Rsa1.0.03612.1	1487	21784	0	633	678	93 -	21	693	1189	1862
UN11992	Rsa1.0.01244.1	1704	50061	0	443	451	98 -	1	447	27345	27795
UN11993	Rsa1.0.00284.1	869	323267	1.00E-152	273	273	100 -	3	275	240625	240897
UN11994	Rsa1.0.04110.1	727	18998	1.00E-125	255	264	96 -	462	725	4839	5102
UN11995	Rsa1.0.03309.1	1025	23852	0	1023	1023	100 +	3	1025	18483	19505
UN11996	Rsa1.0.52728.1	766	432	1.00E-172	319	323	98 +	191	513	1	323
UN11997	Rsa1.0.00128.1	1533	228675	0	421	435	96 +	42	473	200446	200880
UN11998	Rsa1.0.00186.1	706	112669	0	403	418	96 -	1	418	47100	47517
UN11999	Rsa1.0.01874.1	668	37853	1.00E-169	333	342	97 +	2	343	23893	24233
UN12000	Rsa1.0.18507.1	955	1586	1.00E-164	323	333	96 +	371	703	552	884
UN12001	Rsa1.0.01103.1	1695	53974	0	468	483	96 -	192	674	17346	17825
UN12002	Rsa1.0.06571.1	895	10750	1.00E-162	322	332	96 -	6	337	1	329
UN12003	Rsa1.0.01236.1	261	50156	1.00E-115	250	262	95 -	1	261	2006	2267
UN12004	Rsa1.0.00371.1	1840	90463	0	1002	1029	97 -	2	1029	51430	52452
UN12005	Rsa1.0.00363.1	580	90968	4.00E-95	197	204	96 -	237	434	53874	54077
UN12006	Rsa1.0.00567.1	1355	75260	0	376	376	100 +	1	376	66917	67292
UN12007	Rsa1.0.01838.1	1556	38500	0	698	701	99 -	43	743	8300	9000
UN12008	Rsa1.0.09081.1	566	6664	1.00E-174	415	446	93 -	1	442	6013	6450
UN12009	Rsa1.0.01989.1	1144	36439	1.00E-175	377	396	95 -	1	396	11214	11593
UN12010	Rsa1.0.00609.1	1203	72785	0	434	448	96 -	112	554	70202	70649

UN12011	Rsa1.0_08265.1	180	7630	1.00E-73	164	172	95 +	5	176	6613	6784
UN12012	Rsa1.0_19598.1	856	1409	0	659	678	97 -	1	678	253	923
UN12013	Rsa1.0_02298.1	1052	32872	0	440	464	94 -	19	481	6363	6819
UN12014	Rsa1.0_00090.1	939	273859	1.00E-100	195	198	98 +	405	602	2039	2236
UN12015	Rsa1.0_00576.1	925	178949	0	749	751	99 -	1	751	25871	26621
UN12016	Rsa1.0_04195.1	1071	18528	1.00E-124	239	243	98 +	736	978	11857	12099
UN12017	Rsa1.0_00038.1	846	314568	1.00E-158	300	303	99 +	542	843	47307	47608
UN12018	Rsa1.0_03777.1	802	20922	0	463	491	94 -	3	479	2336	2823
UN12019	Rsa1.0_01785.1	196	39368	2.00E-66	183	199	91 +	1	196	28462	28660
UN12020	Rsa1.0_00350.1	1114	92346	1.00E-129	244	247	98 +	848	1094	2003	2249
UN12021	Rsa1.0_00155.1	2683	118465	0	2208	2254	97 +	6	2253	60603	62849
UN12022	Rsa1.0_00720.1	749	66931	0	427	436	97 -	1	435	26080	26511
UN12023	Rsa1.0_01900.1	918	37473	0	915	918	99 -	1	918	9796	10712
UN12024	Rsa1.0_01359.1	1327	47271	0	956	1062	90 +	9	1027	32320	33366
UN12025	Rsa1.0_00065.1	435	454616	0	433	433	100 -	1	433	42271	42703
UN12026	Rsa1.0_03846.1	1198	20481	1.00E-173	308	308	100 -	231	538	14102	14409
UN12027	Rsa1.0_08411.1	1464	7404	0	785	791	99 +	675	1464	1676	2466
UN12028	Rsa1.0_00637.1	1436	71038	0	854	888	96 +	2	889	2333	3205
UN12029	Rsa1.0_00190.1	1336	318240	0	536	552	97 +	791	1336	45482	46033
UN12030	Rsa1.0_14273.1	825	3588	1.00E-144	296	306	96 +	1	304	2202	2506
UN12031	Rsa1.0_43896.1	796	512	0	427	435	98 -	362	796	77	511
UN12032	Rsa1.0_02471.1	828	31104	1.00E-178	316	316	100 +	3	318	27908	28223
UN12033	Rsa1.0_00041.1	783	186197	0	468	494	94 +	6	495	151491	151983
UN12034	Rsa1.0_00149.1	879	305196	1.00E-151	287	292	98 +	531	822	179522	179813
UN12035	Rsa1.0_02252.1	1254	33375	0	515	550	93 -	24	563	8074	8622
UN12036	Rsa1.0_00126.1	1352	127534	0	610	622	98 +	728	1348	41116	41737
UN12037	Rsa1.0_03972.1	1120	19787	1.00E-175	355	368	96 -	19	383	13644	14008
UN12038	Rsa1.0_16891.1	1235	1999	2.00E-71	182	193	94 -	1	188	856	1044
UN12039	Rsa1.0_01476.1	884	172928	9.00E-97	272	300	90 +	3	287	137462	137754
UN12040	Rsa1.0_00628.1	1185	214360	0	469	479	97 +	5	479	203522	204000
UN12041	Rsa1.0_00816.1	1184	403350	0	565	585	96 +	129	711	263913	264497
UN12042	Rsa1.0_00837.1	865	62568	0	652	659	98 -	1	659	3086	3737
UN12043	Rsa1.0_02605.1	1733	29637	0	333	335	99 -	3	337	8473	8807
UN12044	Rsa1.0_00616.1	1181	195713	0	474	501	94 +	1	494	183042	183530
UN12045	Rsa1.0_01696.1	775	301850	6.00E-70	141	143	98 +	125	267	291367	291509
UN12046	Rsa1.0_00116.1	1059	365886	1.00E-150	339	362	93 -	278	636	20143	20498
UN12047	Rsa1.0_00773.1	602	64839	1.00E-134	251	254	98 +	1	254	57170	57423
UN12048	Rsa1.0_00094.1	877	139042	3.00E-78	230	254	90 +	42	292	97632	97877
UN12049	Rsa1.0_02273.1	1604	140964	0	1603	1613	99 -	1	1604	136918	138530

UN12050	Rsa1.0_00596.1	1082	73578	1.00E-154	321	335	95 -	746	1080	9140	9467
UN12051	Rsa1.0_00001.1	812	363028	1.00E-132	264	272	97 -	2	273	156998	157269
UN12052	Rsa1.0_00086.1	1111	439854	6.00E-83	192	202	95 +	5	202	431	631
UN12053	Rsa1.0_04434.1	1502	17377	0	1089	1192	91 -	330	1487	7291	8475
UN12054	Rsa1.0_03019.1	1021	25987	0	330	331	99 -	683	1012	2643	2973
UN12055	Rsa1.0_00921.1	1313	59599	3.00E-42	164	187	87 -	133	318	55224	55407
UN12056	Rsa1.0_02282.1	1146	163951	7.00E-86	204	218	93 +	296	513	149855	150072
UN12057	Rsa1.0_02871.1	765	27085	1.00E-113	248	259	95 +	509	765	4928	5186
UN12058	Rsa1.0_01417.1	797	46252	4.00E-40	138	152	90 +	19	168	2265	2414
UN12059	Rsa1.0_00414.1	965	202190	1.00E-117	280	297	94 -	670	964	177489	177782
UN12060	Rsa1.0_00899.1	1003	60404	0	494	496	99 +	130	624	56656	57151
UN12061	Rsa1.0_04123.1	967	18947	1.00E-141	326	350	93 +	632	967	15564	15911
UN12062	Rsa1.0_05353.1	1432	14078	0	512	517	99 -	496	1012	965	1478
UN12063	Rsa1.0_05440.1	592	13749	1.00E-124	235	238	98 -	131	368	12893	13130
UN12064	Rsa1.0_02735.1	1373	28344	1.00E-173	309	309	100 +	3	311	25349	25657
UN12065	Rsa1.0_04991.1	1335	15215	0	798	826	96 +	510	1335	9687	10502
UN12066	Rsa1.0_02883.1	1207	27035	0	719	772	93 -	5	755	3528	4299
UN12067	Rsa1.0_00002.1	719	601661	0	583	591	98 +	129	719	33588	34178
UN12068	Rsa1.0_00449.1	1334	83863	0	696	728	95 -	612	1332	66747	67466
UN12069	Rsa1.0_19998.1	608	1354	0	449	456	98 +	153	608	691	1142
UN12070	Rsa1.0_00577.1	1787	174827	0	658	662	99 -	709	1370	167911	168571
UN12071	Rsa1.0_01067.1	494	55230	1.00E-91	209	215	97 -	278	492	4569	4778
UN12072	Rsa1.0_14220.1	841	3652	3.00E-69	143	146	97 -	197	342	3225	3370
UN12073	Rsa1.0_31728.1	589	720	1.00E-141	306	314	97 -	277	589	413	720
UN12074	Rsa1.0_04937.1	311	15401	1.00E-134	294	308	95 +	1	303	12386	12693
UN12075	Rsa1.0_01090.1	801	54385	0	403	415	97 +	2	416	3212	3626
UN12076	Rsa1.0_00048.1	794	167185	1.00E-163	320	329	97 -	464	784	77345	77673
UN12077	Rsa1.0_00089.1	1044	406142	0	1033	1040	99 +	1	1040	118913	119948
UN12078	Rsa1.0_12087.1	721	5317	0	700	719	97 -	3	721	4366	5084
UN12079	Rsa1.0_00275.1	638	210104	1.00E-105	292	322	90 +	319	628	157269	157585
UN12080	Rsa1.0_03391.1	1306	23251	0	815	820	99 -	487	1306	2329	3148
UN12081	Rsa1.0_00940.1	1549	179946	0	560	564	99 -	986	1549	170747	171310
UN12082	Rsa1.0_02932.1	934	26647	0	535	540	99 -	1	540	14289	14826
UN12083	Rsa1.0_01778.1	876	39509	6.00E-92	193	200	96 +	261	460	8657	8856
UN12084	Rsa1.0_01210.1	1507	50663	2.00E-19	196	243	80 -	754	995	46593	46835
UN12085	Rsa1.0_00509.1	1023	78829	1.00E-131	256	262	97 -	84	345	77983	78244
UN12086	Rsa1.0_12119.1	963	5311	0	330	330	100 -	633	962	4527	4856
UN12087	Rsa1.0_00715.1	950	67116	1.00E-176	317	318	99 -	600	917	23113	23430
UN12088	Rsa1.0_00196.1	933	109960	0	478	483	98 +	451	931	77908	78390

UN12089	Rsa1.0.02180.1	980	34176	1.00E-111	214	217	98 -	513	729	18478	18694
UN12090	Rsa1.0.00211.1	865	228189	0	433	433	100 -	431	863	213042	213474
UN12091	Rsa1.0.00748.1	1588	65983	0	390	396	98 +	674	1069	52034	52429
UN12092	Rsa1.0.01220.1	1070	161775	1.00E-130	260	268	97 +	724	991	7326	7593
UN12093	Rsa1.0.41382.1	1035	543	1.00E-165	356	375	94 +	159	533	1	369
UN12094	Rsa1.0.00204.1	761	109056	1.00E-143	309	323	95 +	436	750	93161	93481
UN12095	Rsa1.0.00012.1	817	222148	1.00E-139	334	362	92 -	453	813	171062	171408
UN12096	Rsa1.0.03369.1	831	23381	1.00E-166	314	317	99 -	517	831	10375	10691
UN12097	Rsa1.0.00421.1	515	86365	1.00E-130	270	275	98 -	242	515	35834	36104
UN12098	Rsa1.0.01649.1	932	41624	1.00E-145	287	293	97 +	640	932	37920	38209
UN12099	Rsa1.0.03631.1	1417	21647	0	577	587	98 +	266	852	14431	15017
UN12100	Rsa1.0.00039.1	508	296927	6.00E-75	194	209	92 +	300	508	20208	20412
UN12101	Rsa1.0.00115.1	1126	131321	0	427	427	100 +	436	862	104800	105226
UN12102	Rsa1.0.06417.1	1007	11056	1.00E-145	264	265	99 -	743	1007	10629	10893
UN12103	Rsa1.0.00361.1	837	91181	1.00E-116	245	253	96 +	363	615	9838	10088
UN12104	Rsa1.0.09709.1	1136	6198	0	419	420	99 -	56	475	1	420
UN12105	Rsa1.0.00070.1	808	150321	0	534	542	98 -	271	808	47733	48274
UN12106	Rsa1.0.00281.1	600	99908	0	591	598	98 +	3	600	47446	48042
UN12107	Rsa1.0.00417.1	1191	395068	0	378	387	97 -	805	1191	296239	296622
UN12108	Rsa1.0.02064.1	712	35476	8.00E-60	118	118	100 -	531	648	8503	8620
UN12109	Rsa1.0.00156.1	767	118383	0	563	580	97 +	3	581	9522	10095
UN12110	Rsa1.0.03632.1	1069	21645	3.00E-94	179	180	99 +	106	285	7183	7362
UN12111	Rsa1.0.00027.1	1078	283362	0	385	385	100 +	692	1076	275355	275739
UN12112	Rsa1.0.00017.1	924	752458	0	434	458	94 -	9	457	354538	354992
UN12113	Rsa1.0.01456.1	1111	45372	0	589	603	97 -	47	649	27459	28061
UN12114	Rsa1.0.03659.1	913	21525	0	881	912	96 +	2	913	11734	12643
UN12115	Rsa1.0.00190.1	850	318240	0	416	441	94 -	418	850	314346	314786
UN12116	Rsa1.0.00107.1	821	431659	3.00E-87	239	266	89 -	555	820	254234	254478
UN12117	Rsa1.0.01691.1	684	40921	1.00E-102	218	226	96 -	3	223	18956	19181
UN12118	Rsa1.0.00047.1	995	168582	0	652	682	95 -	317	994	108374	109049
UN12119	Rsa1.0.00208.1	784	108565	0	769	770	99 -	15	784	20188	20957
UN12120	Rsa1.0.06694.1	864	10526	0	469	475	98 -	375	848	3948	4422
UN12121	Rsa1.0.01719.1	1304	40388	0	1282	1309	97 -	1	1304	9373	10666
UN12122	Rsa1.0.01316.1	1375	48325	0	1370	1374	99 +	2	1375	21370	22743
UN12123	Rsa1.0.00418.1	1262	215377	1.00E-160	287	287	100 -	7	293	47449	47735
UN12124	Rsa1.0.00351.1	837	413096	3.00E-90	280	297	94 -	58	354	133363	133644
UN12125	Rsa1.0.00055.1	526	520193	3.00E-15	83	95	87 +	402	495	180223	180317
UN12126	Rsa1.0.00363.1	1109	90968	0	327	328	99 +	782	1109	20089	20416
UN12127	Rsa1.0.02957.1	1467	26479	0	428	433	98 +	750	1182	26048	26479

UN12128	Rsa1.0.05895.1	830	12305	1.00E-151	278	280	99 +	3	282	2192	2471
UN12129	Rsa1.0.00629.1	1222	71381	0	537	537	100 +	686	1222	58787	59323
UN12130	Rsa1.0.00097.1	723	138858	0	352	352	100 +	372	723	54312	54663
UN12131	Rsa1.0.01803.1	1637	173846	1.00E-128	270	282	95 +	1213	1494	34625	34906
UN12132	Rsa1.0.00074.1	1059	147591	7.00E-95	270	296	91 +	45	335	127846	128141
UN12133	Rsa1.0.01182.1	713	167304	1.00E-117	289	312	92 -	21	332	117900	118207
UN12134	Rsa1.0.69070.1	844	332	7.00E-82	155	155	100 -	194	348	130	284
UN12135	Rsa1.0.02485.1	669	30968	1.00E-132	269	279	96 -	339	617	28448	28726
UN12136	Rsa1.0.03302.1	864	23898	5.00E-52	118	121	97 -	310	430	13234	13353
UN12137	Rsa1.0.04870.1	1374	135142	0	474	487	97 -	735	1220	1045	1531
UN12138	Rsa1.0.00370.1	829	90472	0	458	475	96 -	352	825	17870	18343
UN12139	Rsa1.0.00006.1	1131	396176	0	959	991	96 -	146	1131	385740	386727
UN12140	Rsa1.0.06955.1	848	10111	0	373	380	98 -	468	846	7311	7690
UN12141	Rsa1.0.00061.1	943	218685	0	454	457	99 +	4	460	176225	176681
UN12142	Rsa1.0.00035.1	1044	176449	0	889	924	96 -	3	926	167856	168766
UN12143	Rsa1.0.00727.1	1179	66724	0	591	605	97 +	1	602	5381	5979
UN12144	Rsa1.0.08879.1	546	6831	0	443	449	98 -	97	545	2182	2625
UN12145	Rsa1.0.00273.1	1093	326186	1.00E-107	207	210	98 -	328	537	132133	132342
UN12146	Rsa1.0.01061.1	458	55349	1.00E-137	267	272	98 -	188	458	27285	27556
UN12147	Rsa1.0.00175.1	913	166121	0	375	376	99 +	536	911	67110	67485
UN12148	Rsa1.0.05677.1	600	12968	0	591	599	98 -	2	600	6725	7323
UN12149	Rsa1.0.03740.1	1372	21065	0	364	369	98 +	3	371	15272	15640
UN12150	Rsa1.0.00048.1	787	167185	1.00E-141	254	254	100 +	137	390	117771	118024
UN12151	Rsa1.0.01960.1	901	36766	2.00E-94	224	240	93 +	59	298	7984	8223
UN12152	Rsa1.0.01081.1	845	499226	1.00E-177	337	342	98 +	503	843	473293	473632
UN12153	Rsa1.0.00733.1	1371	66583	0	714	731	97 +	637	1366	47304	48033
UN12154	Rsa1.0.03263.1	836	24268	1.00E-108	223	231	96 -	606	836	3647	3877
UN12155	Rsa1.0.04428.1	596	17399	0	571	605	94 +	1	596	12969	13567
UN12156	Rsa1.0.00189.1	737	111830	1.00E-169	352	367	95 +	3	367	69237	69601
UN12157	Rsa1.0.01557.1	1002	43291	0	531	531	100 +	470	1000	1053	1583
UN12158	Rsa1.0.00721.1	500	66918	0	468	483	96 +	2	480	59368	59844
UN12159	Rsa1.0.00223.1	770	106231	1.00E-174	378	394	95 +	147	540	2967	3355
UN12160	Rsa1.0.68929.1	1265	333	1.00E-121	285	304	93 -	475	776	1	303
UN12161	Rsa1.0.02067.1	824	35451	0	817	821	99 +	4	824	592	1411
UN12162	Rsa1.0.00507.1	722	79074	0	703	712	98 +	11	722	53468	54178
UN12163	Rsa1.0.00017.1	2160	752458	0	783	821	95 +	1353	2160	555179	555989
UN12164	Rsa1.0.01278.1	785	49370	8.00E-91	179	182	98 -	55	236	20617	20798
UN12165	Rsa1.0.00528.1	799	164755	1.00E-174	385	410	93 -	402	799	154833	155234
UN12166	Rsa1.0.00211.1	726	228189	0	672	685	98 -	4	684	6661	7345

UN12167	Rsa1.0.00065.1	1031	454616	1.00E-151	280	283	98 +	3	285	114473	114755
UN12168	Rsa1.0.03263.1	857	24268	0	476	481	98 -	377	857	23594	24074
UN12169	Rsa1.0.00660.1	869	69688	0	862	867	99 -	3	869	39198	40064
UN12170	Rsa1.0.00030.1	825	250988	3.00E-72	142	143	99 +	297	439	174718	174860
UN12171	Rsa1.0.01219.1	957	50527	1.00E-158	319	331	96 +	81	411	39038	39368
UN12172	Rsa1.0.36118.1	1247	625	1.00E-155	290	294	98 +	614	907	3	296
UN12173	Rsa1.0.00629.1	910	71381	0	355	356	99 +	3	358	57277	57631
UN12174	Rsa1.0.05622.1	1437	13145	0	1369	1379	99 +	61	1437	8559	9935
UN12175	Rsa1.0.01168.1	845	153765	1.00E-12	63	71	88 -	316	386	7886	7956
UN12176	Rsa1.0.01954.1	907	145554	1.00E-178	330	333	99 -	575	907	17776	18107
UN12177	Rsa1.0.00485.1	1839	80937	1.00E-145	407	453	89 +	1200	1646	76412	76857
UN12178	Rsa1.0.16218.1	1002	2240	1.00E-169	326	332	98 -	309	636	750	1081
UN12179	Rsa1.0.00483.1	1155	81102	0	547	555	98 +	283	837	2359	2913
UN12180	Rsa1.0.01934.1	816	37162	2.00E-79	160	163	98 -	568	730	4026	4188
UN12181	Rsa1.0.00123.1	823	325650	2.00E-97	202	209	96 +	185	393	127544	127752
UN12182	Rsa1.0.06687.1	1345	10537	3.00E-45	221	267	82 -	752	1002	9902	10168
UN12183	Rsa1.0.05825.1	1617	12509	0	819	840	97 -	333	1171	7872	8701
UN12184	Rsa1.0.00999.1	1357	57162	2.33E-156	307	320	95 +	3	317	14218	14536
UN12185	Rsa1.0.14100.1	1106	3809	0	963	1010	95 -	26	1020	1147	2156
UN12186	Rsa1.0.03994.1	1331	19659	1.00E-173	315	317	99 +	1015	1331	1766	2082
UN12187	Rsa1.0.01766.1	1389	39617	1.00E-126	230	230	100 -	2	231	32199	32428
UN12188	Rsa1.0.02937.1	814	26605	1.00E-140	262	265	98 +	239	503	7574	7838
UN12189	Rsa1.0.01377.1	1039	46967	1.00E-119	250	261	95 -	95	355	1262	1522
UN12190	Rsa1.0.01760.1	606	39730	0	597	612	97 -	3	603	27887	28498
UN12191	Rsa1.0.00640.1	1359	70979	0	1323	1389	95 -	1	1358	57774	59160
UN12192	Rsa1.0.13238.1	704	4960	0	401	416	96 +	297	704	2273	2685
UN12193	Rsa1.0.01094.1	1012	167285	0	580	598	96 +	403	994	49222	49819
UN12194	Rsa1.0.05428.1	841	13789	0	479	495	96 -	2	496	3394	3888
UN12195	Rsa1.0.06571.1	814	10750	1.00E-105	248	265	93 +	550	813	6156	6414
UN12196	Rsa1.0.00679.1	1008	68971	0	997	1005	99 -	4	1008	601	1605
UN12197	Rsa1.0.01302.1	815	48907	0	521	534	97 +	15	547	47056	47586
UN12198	Rsa1.0.01989.1	259	36439	1.00E-102	231	245	94 -	14	258	14985	15229
UN12199	Rsa1.0.01803.1	835	173846	0	409	410	99 +	423	832	31871	32280
UN12200	Rsa1.0.00080.1	985	190437	1.00E-80	192	204	94 +	622	818	65815	66018
UN12201	Rsa1.0.00186.1	758	112669	0	556	567	98 +	183	744	110485	111051
UN12202	Rsa1.0.00121.1	844	278029	0	335	338	99 +	3	338	30090	30427
UN12203	Rsa1.0.00826.1	1134	166736	0	388	392	98 -	318	709	131985	132375
UN12204	Rsa1.0.49724.1	958	456	1.00E-145	268	270	99 -	656	925	1	270
UN12205	Rsa1.0.00211.1	696	228189	1.00E-73	150	153	98 -	476	628	17865	18017

UN12206	Rsa1.0.00630.1	1153	71281	0	692	729	94 +	18	732	20912	21638
UN12207	Rsa1.0.15089.1	799	2840	0	644	677	95 -	19	692	308	981
UN12208	Rsa1.0.01773.1	1136	39546	0	443	454	97 +	683	1136	18314	18763
UN12209	Rsa1.0.00843.1	798	62411	3.00E-87	176	180	97 -	373	552	56484	56663
UN12210	Rsa1.0.02064.1	763	35476	1.00E-120	247	256	96 -	456	711	5542	5797
UN12211	Rsa1.0.18368.1	1149	1614	0	830	859	96 -	291	1149	762	1614
UN12212	Rsa1.0.00990.1	1403	57445	0	421	440	95 +	3	442	19531	19967
UN12213	Rsa1.0.00285.1	845	149638	1.00E-113	229	236	97 -	260	495	148538	148773
UN12214	Rsa1.0.00380.1	808	89748	1.00E-138	252	253	99 -	210	462	78451	78703
UN12215	Rsa1.0.11565.1	1234	5470	1.00E-129	262	270	97 +	807	1075	467	736
UN12216	Rsa1.0.01884.1	787	37659	1.00E-157	323	337	95 -	3	339	16441	16777
UN12217	Rsa1.0.00218.1	1191	201480	1.00E-144	289	299	96 +	453	751	179386	179684
UN12218	Rsa1.0.04322.1	1288	17917	0	487	493	98 +	3	495	7519	8011
UN12219	Rsa1.0.03524.1	1379	22297	0	855	887	96 -	319	1191	14069	14952
UN12220	Rsa1.0.04995.1	806	15199	0	669	672	99 -	135	805	8404	9075
UN12221	Rsa1.0.00110.1	794	132719	6.00E-73	149	152	98 +	505	656	4053	4204
UN12222	Rsa1.0.00670.1	802	69371	0	578	589	98 +	218	802	44010	44596
UN12223	Rsa1.0.00360.1	809	91190	1.00E-170	303	303	100 -	6	308	78998	79300
UN12224	Rsa1.0.00529.1	793	77487	1.00E-177	418	452	92 +	3	448	72563	73001
UN12225	Rsa1.0.00360.1	894	91190	1.00E-138	290	301	96 +	595	894	71408	71707
UN12226	Rsa1.0.05108.1	1080	14820	1.00E-124	226	226	100 +	40	265	13721	13946
UN12227	Rsa1.0.02269.1	1456	33168	1.00E-134	285	300	95 +	3	302	174	460
UN12228	Rsa1.0.00321.1	1000	95671	0	887	902	98 +	2	903	92674	93575
UN12229	Rsa1.0.05652.1	833	13043	0	352	355	99 +	478	832	2619	2972
UN12230	Rsa1.0.00016.1	1198	831256	0	376	377	99 +	233	609	428642	429018
UN12231	Rsa1.0.09002.1	1221	137863	0	751	773	97 -	3	766	4266	5035
UN12232	Rsa1.0.02762.1	1176	28146	1.00E-156	300	306	98 +	836	1138	8443	8748
UN12233	Rsa1.0.00373.1	1105	90296	1.00E-119	317	350	90 +	639	988	71492	71841
UN12234	Rsa1.0.02599.1	1024	29660	0	630	631	99 +	392	1022	4089	4719
UN12235	Rsa1.0.03624.1	770	21706	1.00E-77	160	164	97 +	106	269	2146	2309
UN12236	Rsa1.0.05105.1	1285	14833	0	710	745	95 +	3	741	3014	3758
UN12237	Rsa1.0.00131.1	771	432233	1.00E-129	269	282	95 +	3	284	286431	286703
UN12238	Rsa1.0.15191.1	1113	2770	0	1100	1115	98 -	1	1112	754	1866
UN12239	Rsa1.0.00378.1	815	89892	0	525	529	99 +	3	531	49538	50066
UN12240	Rsa1.0.01468.1	956	45146	0	825	925	89 -	2	925	23938	24862
UN12241	Rsa1.0.02593.1	849	29744	0	352	353	99 +	3	355	12031	12383
UN12242	Rsa1.0.18627.1	1317	1562	0	403	414	97 +	2	415	762	1175
UN12243	Rsa1.0.07091.1	911	9907	1.00E-147	264	264	100 -	636	899	1	264
UN12244	Rsa1.0.00016.1	979	831256	0	349	351	99 +	629	979	521825	522175

UN12245	Rsa1.0.00826.1	877	166736	0	870	874	99 -	3	875	118793	119666
UN12246	Rsa1.0.04027.1	676	19501	0	650	661	98 -	16	672	4294	4954
UN12247	Rsa1.0.00204.1	839	109056	0	781	817	95 +	2	817	104806	105622
UN12248	Rsa1.0.04419.1	999	17430	1.00E-122	309	333	92 +	672	999	9661	9987
UN12249	Rsa1.0.08045.1	1342	8014	1.00E-180	336	340	98 -	1004	1342	4997	5336
UN12250	Rsa1.0.01625.1	939	42019	0	928	937	99 -	3	939	29702	30637
UN12251	Rsa1.0.02383.1	975	31931	1.00E-162	356	378	94 -	601	969	15501	15878
UN12252	Rsa1.0.00021.1	1036	263655	0	360	363	99 -	248	610	238507	238869
UN12253	Rsa1.0.01462.1	570	45231	1.00E-162	311	318	97 +	253	570	18126	18443
UN12254	Rsa1.0.07845.1	436	8434	7.00E-99	219	231	94 -	165	395	6337	6567
UN12255	Rsa1.0.21254.1	557	1221	1.00E-107	247	265	93 -	3	267	1	250
UN12256	Rsa1.0.00328.1	856	224661	1.00E-180	344	350	98 +	507	855	201619	201965
UN12257	Rsa1.0.00744.1	1080	66084	0	453	471	96 -	610	1080	38777	39247
UN12258	Rsa1.0.00341.1	790	249309	0	346	352	98 +	17	367	177596	177947
UN12259	Rsa1.0.03981.1	765	19724	1.00E-110	221	227	97 -	265	491	19277	19503
UN12260	Rsa1.0.00539.1	1673	76926	1.00E-141	291	301	96 +	1374	1673	28381	28678
UN12261	Rsa1.0.05401.1	1369	13876	0	1041	1110	93 +	280	1369	1410	2514
UN12262	Rsa1.0.00025.1	1554	277312	0	617	637	96 -	813	1444	17828	18461
UN12263	Rsa1.0.00248.1	1390	163568	0	575	591	97 -	315	905	42447	43037
UN12264	Rsa1.0.14188.1	1325	3685	1.00E-129	244	246	99 -	1075	1319	3148	3393
UN12265	Rsa1.0.02597.1	857	29694	0	365	370	98 -	169	538	10697	11066
UN12266	Rsa1.0.00322.1	585	212233	4.00E-89	167	167	100 -	22	188	83613	83779
UN12267	Rsa1.0.01958.1	1139	261128	1.00E-169	346	362	95 -	398	759	119970	120323
UN12268	Rsa1.0.01389.1	1050	46716	0	378	393	96 +	6	398	9773	10165
UN12269	Rsa1.0.08334.1	1048	7525	0	825	873	94 +	182	1048	1833	2693
UN12270	Rsa1.0.00017.1	855	752458	0	353	358	98 +	499	855	206408	206765
UN12271	Rsa1.0.04418.1	1169	17434	2.00E-76	255	293	87 +	795	1082	13307	13574
UN12272	Rsa1.0.07600.1	720	9052	2.00E-42	104	109	95 -	327	435	2941	3049
UN12273	Rsa1.0.00091.1	1094	139699	0	768	772	99 -	1	772	85481	86251
UN12274	Rsa1.0.01041.1	1283	55910	0	653	658	99 -	113	770	35356	36012
UN12275	Rsa1.0.03427.1	1294	22992	0	956	977	97 +	2	971	22016	22992
UN12276	Rsa1.0.00293.1	642	339294	1.00E-163	304	307	99 -	336	642	329554	329859
UN12277	Rsa1.0.01338.1	1151	155644	0	586	588	99 -	1	588	134305	134892
UN12278	Rsa1.0.00744.1	1049	66084	1.00E-115	293	317	92 -	737	1047	57794	58101
UN12279	Rsa1.0.13708.1	1009	4447	1.00E-167	299	299	100 -	710	1008	3599	3897
UN12280	Rsa1.0.01298.1	712	48999	0	400	411	97 +	3	412	24192	24598
UN12281	Rsa1.0.01059.1	738	55410	0	707	738	95 -	2	738	28315	29043
UN12282	Rsa1.0.02219.1	763	33798	0	729	758	96 +	7	762	21464	22220
UN12283	Rsa1.0.00110.1	975	132719	0	732	748	97 +	3	748	96935	97674

UN12284	Rsa1.0.01048.1	1035	55684	0	379	379	100 +	655	1033	46755	47133
UN12285	Rsa1.0.00642.1	860	201230	0	600	603	99 -	258	860	21306	21908
UN12286	Rsa1.0.01119.1	961	53459	1.00E-164	305	309	98 -	653	961	12720	13028
UN12287	Rsa1.0.03238.1	748	24432	1.00E-137	259	263	98 -	482	744	12785	13047
UN12288	Rsa1.0.00953.1	1325	145012	0	478	499	95 +	825	1323	12362	12851
UN12289	Rsa1.0.02139.1	1614	34686	0	645	672	95 -	3	671	26074	26736
UN12290	Rsa1.0.03786.1	1071	20879	0	893	933	95 -	2	932	7289	8218
UN12291	Rsa1.0.06061.1	920	11837	0	689	703	98 -	219	918	3206	3902
UN12292	Rsa1.0.04714.1	944	146738	0	407	420	96 +	513	928	139509	139928
UN12293	Rsa1.0.00367.1	544	90750	0	525	559	93 +	1	544	3323	3881
UN12294	Rsa1.0.00990.1	725	57445	0	549	554	99 -	80	633	46214	46765
UN12295	Rsa1.0.01949.1	777	36960	1.00E-67	152	159	95 -	30	188	26254	26412
UN12296	Rsa1.0.05661.1	1089	13011	0	680	681	99 -	3	683	6577	7257
UN12297	Rsa1.0.00672.1	803	69358	1.00E-135	300	316	94 -	378	691	40409	40724
UN12298	Rsa1.0.34075.1	783	665	0	464	470	98 -	3	472	9	478
UN12299	Rsa1.0.00147.1	1232	249503	0	575	585	98 +	1	583	148899	149483
UN12300	Rsa1.0.00028.1	893	293984	0	851	901	94 -	8	893	131879	132778
UN12301	Rsa1.0.00915.1	537	194446	0	535	538	99 +	2	537	44030	44566
UN12302	Rsa1.0.13478.1	884	4790	0	336	336	100 +	3	338	4455	4790
UN12303	Rsa1.0.00118.1	850	130637	0	564	598	94 +	1	598	98363	98945
UN12304	Rsa1.0.02365.1	796	32118	1.00E-132	245	247	99 -	327	573	29954	30200
UN12305	Rsa1.0.00013.1	1055	292129	1.00E-157	313	321	97 +	733	1052	236612	236931
UN12306	Rsa1.0.02179.1	737	34188	0	717	736	97 +	2	737	18828	19561
UN12307	Rsa1.0.00387.1	912	495407	0	334	335	99 -	3	337	342905	343239
UN12308	Rsa1.0.00661.1	1402	213041	1.00E-130	259	266	97 -	842	1104	200599	200864
UN12309	Rsa1.0.00476.1	1043	280966	0	529	587	90 +	457	1037	163758	164336
UN12310	Rsa1.0.00428.1	1184	85599	0	562	590	95 -	22	611	31030	31616
UN12311	Rsa1.0.00791.1	1022	64201	1.00E-157	281	281	100 +	740	1020	55181	55461
UN12312	Rsa1.0.06009.1	995	11950	1.00E-77	157	160	98 +	836	995	3391	3550
UN12313	Rsa1.0.00350.1	1085	92346	2.00E-82	162	164	98 -	619	782	79954	80117
UN12314	Rsa1.0.01219.1	963	50527	0	366	375	97 -	3	377	5476	5850
UN12315	Rsa1.0.00985.1	1352	161950	0	551	552	99 +	1	551	141766	142317
UN12316	Rsa1.0.01632.1	963	181224	1.00E-156	349	375	93 -	36	407	7459	7812
UN12317	Rsa1.0.01121.1	826	53407	1.00E-173	329	336	97 -	2	337	30379	30714
UN12318	Rsa1.0.00203.1	981	109129	0	383	395	96 -	3	397	26020	26413
UN12319	Rsa1.0.01668.1	882	41299	0	533	545	97 +	339	882	30426	30969
UN12320	Rsa1.0.00416.1	1339	86772	0	494	520	95 +	299	812	64686	65205
UN12321	Rsa1.0.23217.1	529	1064	1.00E-149	301	309	97 -	226	529	660	968
UN12322	Rsa1.0.00931.1	828	59210	0	464	484	95 -	127	610	19424	19895

UN12323	Rsa1.0.02202.1	1140	33961	0	484	487	99 +	654	1140	30950	31436
UN12324	Rsa1.0.00069.1	1275	403561	0	809	810	99 +	3	811	234604	235413
UN12325	Rsa1.0.04340.1	851	17831	1.00E-141	360	397	90 +	449	843	16410	16788
UN12326	Rsa1.0.00234.1	1101	197060	0	1085	1101	98 +	1	1101	55622	56722
UN12327	Rsa1.0.00019.1	1555	301669	1.00E-171	509	580	87 -	508	1069	56894	57432
UN12328	Rsa1.0.02197.1	743	33996	1.00E-102	201	205	98 +	287	491	4504	4708
UN12329	Rsa1.0.00784.1	1002	64359	0	489	492	99 +	3	494	36301	36792
UN12330	Rsa1.0.22545.1	934	1111	0	667	690	96 +	254	934	186	875
UN12331	Rsa1.0.00959.1	810	58202	5.00E-86	210	227	92 -	584	810	41528	41746
UN12332	Rsa1.0.01828.1	915	38681	0	901	914	98 +	2	915	6815	7727
UN12333	Rsa1.0.07541.1	776	9167	0	642	660	97 -	105	757	2424	3083
UN12334	Rsa1.0.00098.1	498	349239	0	489	498	98 -	1	498	115012	115509
UN12335	Rsa1.0.00184.1	325	218748	1.00E-145	306	321	95 +	1	321	2851	3171
UN12336	Rsa1.0.01205.1	1279	50795	0	690	698	98 +	580	1277	7529	8226
UN12337	Rsa1.0.01109.1	824	53793	0	576	580	99 +	3	582	50195	50774
UN12338	Rsa1.0.01460.1	1412	45255	0	661	679	97 +	1	676	34248	34925
UN12339	Rsa1.0.04194.1	820	132734	1.00E-149	286	292	97 +	528	819	132027	132318
UN12340	Rsa1.0.01174.1	792	51696	0	519	529	98 -	96	624	12826	13354
UN12341	Rsa1.0.01769.1	1296	39568	1.00E-100	228	242	94 +	903	1144	33607	33848
UN12342	Rsa1.0.00461.1	523	82509	3.00E-86	201	210	95 -	315	523	76296	76503
UN12343	Rsa1.0.01578.1	580	42880	1.00E-132	261	267	97 -	2	267	35273	35539
UN12344	Rsa1.0.01199.1	675	163576	1.00E-148	266	266	100 +	62	327	589	854
UN12345	Rsa1.0.01536.1	900	43747	0	421	429	98 +	2	430	5549	5976
UN12346	Rsa1.0.00417.1	1408	395068	0	441	458	96 +	89	546	296178	296624
UN12347	Rsa1.0.00484.1	730	203294	3.00E-90	187	193	96 -	1	193	63056	63248
UN12348	Rsa1.0.06149.1	620	11615	1.00E-110	237	246	96 -	5	248	6788	7032
UN12349	Rsa1.0.04209.1	664	18442	0	566	584	96 +	1	583	12890	13465
UN12350	Rsa1.0.00122.1	951	265937	0	464	465	99 -	1	465	239713	240177
UN12351	Rsa1.0.01067.1	741	55230	7.00E-85	163	164	99 +	578	741	6328	6491
UN12352	Rsa1.0.00326.1	967	171955	0	381	394	96 +	1	384	21074	21467
UN12353	Rsa1.0.00727.1	653	66724	1.00E-112	278	296	93 +	2	287	14947	15240
UN12354	Rsa1.0.00321.1	768	95671	0	429	452	94 -	3	451	21420	21870
UN12355	Rsa1.0.08790.1	1466	6918	0	507	531	95 -	628	1151	4948	5478
UN12356	Rsa1.0.06133.1	902	11663	0	761	762	99 -	2	763	9464	10225
UN12357	Rsa1.0.00727.1	761	66724	0	484	504	96 -	2	503	6587	7090
UN12358	Rsa1.0.01561.1	604	43227	1.00E-164	305	309	98 -	296	604	36891	37199
UN12359	Rsa1.0.00020.1	886	283099	0	873	884	98 +	3	886	100023	100903
UN12360	Rsa1.0.00384.1	1324	89278	2.33E-156	293	302	97 -	4	303	35218	35519
UN12361	Rsa1.0.00722.1	773	66840	0	754	763	98 -	5	767	23819	24580

UN12362	Rsa1.0_00763.1	808	65121	0	664	696	95 +	1	689	59130	59818
UN12363	Rsa1.0_00248.1	1492	163568	0	675	676	99 -	3	678	2319	2994
UN12364	Rsa1.0_06045.1	912	11858	0	907	917	98 -	1	911	3496	4410
UN12365	Rsa1.0_00733.1	1230	66583	0	715	735	97 -	43	777	47304	48034
UN12366	Rsa1.0_00621.1	809	71840	0	407	412	98 -	1	412	26851	27258
UN12367	Rsa1.0_02341.1	1453	32387	1.00E-114	281	302	93 -	1163	1453	31192	31492
UN12368	Rsa1.0_01036.1	782	55978	1.00E-168	299	299	100 +	482	780	13317	13615
UN12369	Rsa1.0_01847.1	1273	38346	1.00E-121	227	229	99 -	649	877	8990	9218
UN12370	Rsa1.0_00275.1	1365	210104	1.00E-154	325	339	95 -	1	338	178612	178947
UN12371	Rsa1.0_02266.1	1582	33195	1.00E-117	236	243	97 +	1145	1387	13176	13418
UN12372	Rsa1.0_02229.1	1402	33672	0	408	420	97 -	980	1399	12887	13303
UN12373	Rsa1.0_00060.1	1164	502678	1.00E-177	370	385	96 -	6	385	495990	496374
UN12374	Rsa1.0_07541.1	936	9167	0	921	940	97 +	2	936	1610	2549
UN12375	Rsa1.0_00301.1	679	365315	0	661	672	98 +	12	678	320804	321475
UN12376	Rsa1.0_03122.1	1360	25207	0	464	465	99 +	3	467	9395	9859
UN12377	Rsa1.0_01154.1	289	52249	1.00E-138	279	289	96 +	1	289	9044	9332
UN12378	Rsa1.0_00040.1	752	324196	1.00E-137	248	248	100 -	1	248	245385	245632
UN12379	Rsa1.0_19744.1	924	1389	1.00E-108	209	211	99 +	714	924	1179	1388
UN12380	Rsa1.0_15089.1	650	2840	1.00E-159	315	325	96 +	326	650	303	627
UN12381	Rsa1.0_00642.1	965	201230	1.00E-133	271	279	97 +	107	382	162621	162898
UN12382	Rsa1.0_21156.1	1265	1230	0	431	437	98 +	825	1259	1	437
UN12383	Rsa1.0_02064.1	1127	35476	1.00E-151	316	332	95 +	312	634	5466	5797
UN12384	Rsa1.0_00131.1	1096	432233	1.00E-142	262	264	99 -	831	1094	286440	286703
UN12385	Rsa1.0_03191.1	1047	145762	1.00E-151	308	320	96 +	727	1046	135086	135405
UN12386	Rsa1.0_02921.1	878	26779	1.00E-158	331	343	96 -	3	339	22561	22901
UN12387	Rsa1.0_01474.1	1057	45070	1.00E-178	414	441	93 +	214	649	165	601
UN12388	Rsa1.0_00124.1	580	262503	4.00E-89	185	191	96 +	363	553	17080	17270
UN12389	Rsa1.0_00093.1	1225	214962	0	408	408	100 +	815	1222	97155	97562
UN12390	Rsa1.0_06179.1	966	11548	0	496	497	99 +	60	556	8510	9006
UN12391	Rsa1.0_07555.1	745	9139	1.00E-61	269	318	84 +	441	743	4836	5144
UN12392	Rsa1.0_05398.1	483	13885	0	412	412	100 -	2	413	12820	13231
UN12393	Rsa1.0_08192.1	972	7762	0	352	355	99 +	617	970	6351	6705
UN12394	Rsa1.0_01884.1	896	37659	0	478	490	97 +	1	490	14498	14986
UN12395	Rsa1.0_00571.1	1194	329018	0	758	767	98 -	293	1059	145078	145844
UN12396	Rsa1.0_00219.1	982	106983	1.00E-164	303	306	99 +	269	574	29975	30280
UN12397	Rsa1.0_00170.1	1005	179538	0	388	402	96 +	1	398	57760	58161
UN12398	Rsa1.0_00782.1	1336	64468	1.00E-142	317	334	94 +	465	798	19988	20316
UN12399	Rsa1.0_00102.1	1209	135497	0	500	507	98 -	3	509	11483	11987
UN12400	Rsa1.0_02424.1	871	31570	0	484	486	99 -	1	485	6970	7455

UN12401	Rsa1.0.00094.1	291	139042	2.00E-92	277	313	88 +	1	291	41119	41430
UN12402	Rsa1.0.00011.1	1618	225044	0	433	447	96 -	1171	1616	177241	177686
UN12403	Rsa1.0.07540.1	1662	9170	0	841	849	99 -	336	1184	4024	4872
UN12404	Rsa1.0.00228.1	1512	105511	2.00E-86	203	211	96 -	1303	1510	86275	86484
UN12405	Rsa1.0.00502.1	1207	204180	0	544	544	100 +	3	546	159862	160405
UN12406	Rsa1.0.01836.1	1425	38503	0	1151	1154	99 -	272	1425	17887	19040
UN12407	Rsa1.0.00772.1	797	64856	0	365	366	99 +	432	797	51283	51648
UN12408	Rsa1.0.08807.1	981	6906	0	733	746	98 +	1	746	3399	4142
UN12409	Rsa1.0.11769.1	879	5414	0	528	535	98 -	346	879	777	1310
UN12410	Rsa1.0.01111.1	1053	53669	0	354	354	100 -	700	1053	39891	40244
UN12411	Rsa1.0.00279.1	1314	100039	0	355	356	99 -	959	1314	87699	88054
UN12412	Rsa1.0.00449.1	765	83863	1.00E-154	295	301	98 +	465	765	2417	2717
UN12413	Rsa1.0.00011.1	907	225044	0	407	426	95 +	4	426	4124	4549
UN12414	Rsa1.0.03471.1	620	22678	0	397	408	97 +	209	616	14018	14417
UN12415	Rsa1.0.12341.1	886	5250	0	474	496	95 -	79	565	2120	2615
UN12416	Rsa1.0.00018.1	768	410899	0	576	601	95 +	168	768	49999	50599
UN12417	Rsa1.0.01235.1	796	50180	1.00E-155	287	290	98 +	2	291	20002	20291
UN12418	Rsa1.0.01487.1	1284	44784	0	528	571	92 +	300	865	27756	28326
UN12419	Rsa1.0.02941.1	862	26583	0	860	860	100 +	3	862	22061	22920
UN12420	Rsa1.0.00141.1	915	121494	0	515	533	96 -	383	915	94785	95302
UN12421	Rsa1.0.03877.1	919	20318	1.00E-113	213	215	99 -	39	253	9001	9215
UN12422	Rsa1.0.00470.1	1057	81968	0	518	532	97 -	522	1053	78813	79344
UN12423	Rsa1.0.00128.1	731	228675	0	428	431	99 +	3	433	11663	12092
UN12424	Rsa1.0.02372.1	1368	32053	0	1142	1145	99 +	1	1145	8227	9371
UN12425	Rsa1.0.08429.1	968	7370	4.00E-99	196	200	98 +	257	456	568	767
UN12426	Rsa1.0.05881.1	1340	12341	0	441	452	97 -	751	1192	8912	9363
UN12427	Rsa1.0.00138.1	933	247040	0	411	423	97 -	1	415	230305	230727
UN12428	Rsa1.0.00803.1	976	144228	0	609	612	99 +	365	975	38543	39154
UN12429	Rsa1.0.03271.1	1175	24187	0	409	411	99 -	765	1175	1306	1716
UN12430	Rsa1.0.00280.1	799	99966	1.00E-122	252	258	97 -	3	260	65827	66081
UN12431	Rsa1.0.01585.1	780	42806	1.00E-145	276	281	98 +	19	299	14587	14867
UN12432	Rsa1.0.02185.1	263	34150	1.00E-116	255	267	95 -	2	263	27262	27526
UN12433	Rsa1.0.03014.1	859	26018	1.00E-128	301	317	94 -	547	859	7275	7590
UN12434	Rsa1.0.04651.1	1579	16516	1.00E-103	198	200	99 -	3	202	12242	12441
UN12435	Rsa1.0.01097.1	932	173349	1.00E-105	216	222	97 -	1	222	34536	34755
UN12436	Rsa1.0.03159.1	1350	24946	1.00E-180	363	377	96 +	491	867	14985	15361
UN12437	Rsa1.0.01249.1	941	188432	0	341	342	99 +	598	939	40576	40917
UN12438	Rsa1.0.03856.1	608	20429	0	338	342	98 -	268	608	18869	19210
UN12439	Rsa1.0.02858.1	974	27246	1.00E-160	343	353	97 -	3	349	1688	2037

UN12440	Rsa1.0.00522.1	717	78103	4.00E-77	159	163	97 +	342	504	48991	49153
UN12441	Rsa1.0.01716.1	882	40483	0	882	882	100 +	1	882	30051	30932
UN12442	Rsa1.0.02239.1	700	33534	1.00E-153	298	306	97 +	99	404	26202	26507
UN12443	Rsa1.0.58089.1	821	394	0	392	394	99 -	328	721	1	394
UN12444	Rsa1.0.02206.1	1711	33922	0	893	897	99 +	3	898	4082	4978
UN12445	Rsa1.0.00087.1	1213	761073	0	1172	1204	97 +	7	1208	321128	322326
UN12446	Rsa1.0.00204.1	1287	109056	2.33E-156	267	268	99 -	1020	1287	93547	93814
UN12447	Rsa1.0.05911.1	714	12261	1.00E-98	201	207	97 +	159	365	2115	2321
UN12448	Rsa1.0.04573.1	1093	16789	0	375	378	99 +	716	1093	6126	6503
UN12449	Rsa1.0.02359.1	878	32211	0	871	878	99 -	1	878	21824	22698
UN12450	Rsa1.0.03467.1	1029	22687	0	653	683	95 +	356	1029	10718	11394
UN12451	Rsa1.0.00748.1	694	65983	1.00E-101	214	222	96 +	385	606	65464	65682
UN12452	Rsa1.0.00860.1	1604	61789	0	338	338	100 -	437	774	13435	13772
UN12453	Rsa1.0.00664.1	1064	69573	0	451	451	100 -	614	1064	16651	17101
UN12454	Rsa1.0.01165.1	648	51898	0	443	445	99 -	2	446	51358	51802
UN12455	Rsa1.0.03776.1	787	20926	4.00E-80	197	212	92 -	186	397	1375	1586
UN12456	Rsa1.0.09687.1	1306	6212	0	860	867	99 -	3	869	2235	3100
UN12457	Rsa1.0.00778.1	759	196751	0	641	645	99 -	115	759	179980	180624
UN12458	Rsa1.0.03180.1	729	24764	1.00E-102	248	265	93 +	465	726	21745	22005
UN12459	Rsa1.0.00934.1	1088	193516	0	1051	1087	96 +	3	1088	151153	152239
UN12460	Rsa1.0.00484.1	1496	203294	1.00E-108	248	263	94 -	1232	1493	51197	51459
UN12461	Rsa1.0.00480.1	604	81325	0	581	602	96 +	3	604	3549	4146
UN12462	Rsa1.0.02121.1	424	34813	0	350	356	98 -	3	358	22260	22614
UN12463	Rsa1.0.00047.1	928	168582	0	541	549	98 +	2	550	33979	34521
UN12464	Rsa1.0.00804.1	819	63726	0	355	360	98 -	3	359	59947	60306
UN12465	Rsa1.0.00495.1	982	79934	1.00E-173	364	383	95 -	1	377	66097	66474
UN12466	Rsa1.0.00779.1	1532	64568	0	418	419	99 +	1115	1532	31172	31590
UN12467	Rsa1.0.02809.1	579	27674	1.00E-166	311	315	98 -	3	317	4665	4977
UN12468	Rsa1.0.01735.1	705	40128	1.00E-163	327	339	96 -	367	705	338	671
UN12469	Rsa1.0.00569.1	1026	75060	0	558	559	99 -	451	1009	72157	72715
UN12470	Rsa1.0.00178.1	1263	114861	1.00E-117	251	261	96 +	1	260	30323	30580
UN12471	Rsa1.0.00065.1	1354	454616	1.00E-114	264	279	94 +	1074	1352	116989	117262
UN12472	Rsa1.0.00632.1	820	183777	0	464	488	95 +	341	818	14434	14918
UN12473	Rsa1.0.00271.1	729	101125	1.00E-179	365	374	97 -	357	727	36294	36665
UN12474	Rsa1.0.05683.1	827	12944	0	688	690	99 -	3	692	4930	5619
UN12475	Rsa1.0.00476.1	965	280966	0	618	628	98 -	1	628	249081	249708
UN12476	Rsa1.0.00126.1	1089	127534	0	956	978	97 +	113	1089	107493	108470
UN12477	Rsa1.0.04569.1	1017	16798	1.00E-159	284	284	100 +	368	651	7293	7576
UN12478	Rsa1.0.01895.1	1615	37512	0	730	731	99 -	885	1615	10709	11439

UN12479	Rsa1.0.01656.1	913	41494	1.00E-102	193	194	99 -	356	549	12318	12511
UN12480	Rsa1.0.00380.1	807	89748	0	404	419	96 -	389	807	27101	27519
UN12481	Rsa1.0.01850.1	721	162224	1.00E-107	209	213	98 -	226	438	34793	35005
UN12482	Rsa1.0.05123.1	1767	14790	0	1453	1463	99 +	305	1767	13180	14642
UN12483	Rsa1.0.00740.1	776	215972	1.00E-132	240	240	100 +	497	736	212021	212260
UN12484	Rsa1.0.01687.1	879	40979	1.00E-104	195	196	99 -	659	854	13263	13458
UN12485	Rsa1.0.00191.1	663	316976	0	506	553	91 +	141	663	204217	204763
UN12486	Rsa1.0.01360.1	1292	47246	1.00E-160	338	352	96 -	903	1249	24163	24514
UN12487	Rsa1.0.04160.1	1090	18795	0	686	789	86 +	2	786	196	981
UN12488	Rsa1.0.01173.1	1171	51727	0	438	440	99 +	255	694	29674	30113
UN12489	Rsa1.0.00979.1	979	57733	3.00E-60	236	274	86 -	627	898	1113	1386
UN12490	Rsa1.0.32919.1	1140	690	1.00E-176	349	358	97 -	784	1140	334	690
UN12491	Rsa1.0.00347.1	817	93048	1.00E-107	264	283	93 +	422	702	86405	86679
UN12492	Rsa1.0.01996.1	737	36327	1.00E-132	275	287	95 -	117	403	28812	29098
UN12493	Rsa1.0.06403.1	914	11078	0	442	459	96 +	1	446	5766	6224
UN12494	Rsa1.0.06287.1	835	11303	1.00E-171	337	348	96 -	444	791	6397	6744
UN12495	Rsa1.0.01445.1	951	45671	2.00E-88	166	166	100 -	544	709	21373	21538
UN12496	Rsa1.0.22389.1	738	1125	1.00E-109	258	273	94 +	3	272	486	758
UN12497	Rsa1.0.00752.1	1974	65756	0	528	531	99 +	535	1065	49382	49912
UN12498	Rsa1.0.00512.1	1245	200277	3.00E-97	193	197	97 -	1	197	66192	66388
UN12499	Rsa1.0.00285.1	1093	149638	0	445	482	92 -	3	484	87711	88171
UN12500	Rsa1.0.02028.1	1362	35857	1.00E-154	322	335	96 +	3	335	3872	4205
UN12501	Rsa1.0.00698.1	1634	67816	0	937	956	98 +	86	1041	10881	11836
UN12502	Rsa1.0.02228.1	1290	33688	1.00E-151	337	353	95 -	946	1289	10198	10547
UN12503	Rsa1.0.01603.1	659	42468	1.00E-172	339	350	96 +	3	352	36964	37313
UN12504	Rsa1.0.01377.1	828	46967	1.00E-125	236	239	98 +	7	245	22846	23084
UN12505	Rsa1.0.02807.1	669	27680	1.00E-160	298	302	98 +	54	355	7324	7625
UN12506	Rsa1.0.00073.1	734	240924	1.00E-117	240	250	96 +	1	250	91066	91306
UN12507	Rsa1.0.11720.1	1157	5430	1.00E-142	358	390	91 -	763	1150	2325	2696
UN12508	Rsa1.0.02222.1	475	152798	0	455	474	95 +	1	474	4666	5136
UN12509	Rsa1.0.09451.1	767	6359	1.00E-143	263	265	99 -	208	472	6063	6327
UN12510	Rsa1.0.00007.1	712	239325	1.00E-117	255	266	95 +	449	712	41121	41386
UN12511	Rsa1.0.01389.1	1100	46716	0	482	499	96 +	422	913	10246	10744
UN12512	Rsa1.0.00303.1	966	97468	6.00E-52	108	109	99 -	773	881	38623	38731
UN12513	Rsa1.0.00015.1	1128	561803	1.00E-129	257	262	98 -	856	1115	186279	186540
UN12514	Rsa1.0.00366.1	1035	90880	0	885	909	97 +	2	909	80229	81136
UN12515	Rsa1.0.01110.1	1279	195852	0	513	517	99 +	1	517	36509	37025
UN12516	Rsa1.0.01026.1	1246	171624	0	439	444	98 +	3	445	1088	1531
UN12517	Rsa1.0.01505.1	611	44382	1.00E-178	342	350	97 +	262	611	30211	30557

UN12518	Rsa1.0_72328.1	898	317	1.00E-176	314	314	100 -	517	830	4	317
UN12519	Rsa1.0_00083.1	1034	442773	0	413	430	96 -	3	429	252723	253151
UN12520	Rsa1.0_03962.1	1085	19860	0	722	741	97 +	347	1084	7208	7947
UN12521	Rsa1.0_00030.1	854	250988	0	850	863	98 +	1	854	180342	181204
UN12522	Rsa1.0_00967.1	957	58049	0	787	796	98 -	162	957	22951	23746
UN12523	Rsa1.0_13708.1	996	4447	1.00E-110	270	290	93 -	694	980	3612	3897
UN12524	Rsa1.0_03125.1	1139	147978	1.00E-132	251	255	98 -	624	878	138288	138542
UN12525	Rsa1.0_00308.1	700	96915	1.00E-136	324	347	93 +	341	686	81326	81662
UN12526	Rsa1.0_01456.1	964	45372	4.00E-93	198	206	96 +	393	598	42151	42356
UN12527	Rsa1.0_00537.1	998	186980	0	699	713	98 -	287	998	169043	169755
UN12528	Rsa1.0_00134.1	795	390219	1.00E-117	292	319	91 +	483	789	13216	13528
UN12529	Rsa1.0_00558.1	797	75819	0	528	539	97 +	2	540	28285	28823
UN12530	Rsa1.0_04048.1	931	19394	0	839	878	95 +	5	876	13002	13879
UN12531	Rsa1.0_04208.1	758	18444	1.00E-109	234	245	95 +	65	309	12529	12773
UN12532	Rsa1.0_00602.1	868	73302	0	757	784	96 +	82	860	64379	65159
UN12533	Rsa1.0_00759.1	806	65465	1.00E-136	270	278	97 +	3	280	21778	22055
UN12534	Rsa1.0_00002.1	966	601661	0	519	520	99 -	3	522	184017	184536
UN12535	Rsa1.0_00098.1	1380	349239	1.00E-162	355	373	95 -	2	361	237652	238023
UN12536	Rsa1.0_02425.1	841	31567	0	449	451	99 -	390	839	10864	11314
UN12537	Rsa1.0_38008.1	491	593	1.00E-174	321	325	98 -	76	400	1	325
UN12538	Rsa1.0_07058.1	412	9964	1.00E-126	229	229	100 +	3	231	1471	1699
UN12539	Rsa1.0_04511.1	1087	17032	0	405	410	98 -	405	814	8147	8556
UN12540	Rsa1.0_02555.1	745	30146	1.00E-120	242	247	97 +	117	361	18139	18385
UN12541	Rsa1.0_00020.1	786	283099	1.00E-154	313	324	96 +	69	392	90031	90353
UN12542	Rsa1.0_03878.1	629	20305	1.00E-166	315	321	98 +	1	321	2020	2340
UN12543	Rsa1.0_00107.1	891	431659	0	568	598	94 +	311	891	337025	337616
UN12544	Rsa1.0_02810.1	1783	27671	0	990	999	99 -	170	1167	14789	15786
UN12545	Rsa1.0_01414.1	938	149508	0	819	835	98 -	2	836	18058	18892
UN12546	Rsa1.0_00697.1	789	67913	1.00E-103	233	246	94 +	3	243	54368	54606
UN12547	Rsa1.0_01635.1	936	41865	0	680	708	96 -	230	936	17001	17703
UN12548	Rsa1.0_15024.1	955	2885	1.00E-135	273	281	97 -	676	954	2315	2592
UN12549	Rsa1.0_00676.1	1509	69166	0	1199	1206	99 +	3	1208	50311	51516
UN12550	Rsa1.0_00289.1	833	98620	1.00E-65	184	202	91 -	152	353	72035	72233
UN12551	Rsa1.0_00225.1	1041	105892	0	502	521	96 -	315	831	80714	81229
UN12552	Rsa1.0_01439.1	789	45841	0	491	493	99 +	296	788	28055	28547
UN12553	Rsa1.0_04169.1	765	18712	1.00E-131	271	280	96 -	351	629	2082	2358
UN12554	Rsa1.0_00082.1	1000	237584	8.00E-33	76	77	98 -	921	997	1882	1958
UN12555	Rsa1.0_55302.1	823	413	1.00E-109	201	201	100 -	163	363	1	201
UN12556	Rsa1.0_00377.1	928	90038	1.00E-68	139	141	98 +	403	543	9346	9486

UN12557	Rsa1.0.01417.1	1127	46252	0	403	416	96 +	675	1088	20533	20947
UN12558	Rsa1.0.00004.1	1446	253996	0	608	619	98 +	828	1446	29150	29768
UN12559	Rsa1.0.00049.1	1290	167018	0	1218	1294	94 +	1	1288	63754	65043
UN12560	Rsa1.0.00329.1	917	222544	0	405	422	95 -	67	488	194066	194487
UN12561	Rsa1.0.01384.1	1116	46803	0	448	448	100 +	345	792	20167	20614
UN12562	Rsa1.0.00002.1	1084	601661	0	445	464	95 +	623	1084	594694	595157
UN12563	Rsa1.0.00350.1	1209	92346	0	403	425	94 +	787	1209	51776	52197
UN12564	Rsa1.0.10530.1	1063	5813	1.00E-121	247	254	97 -	3	255	4587	4840
UN12565	Rsa1.0.02139.1	1097	34686	0	1044	1101	94 -	1	1092	27658	28740
UN12566	Rsa1.0.04194.1	1066	132734	0	626	654	95 +	413	1066	116698	117350
UN12567	Rsa1.0.00471.1	832	81897	1.00E-123	249	256	97 -	106	361	73515	73769
UN12568	Rsa1.0.00040.1	657	324196	1.00E-171	334	344	97 +	49	392	110483	110826
UN12569	Rsa1.0.00120.1	968	277288	5.00E-34	167	194	86 -	776	968	228729	228919
UN12570	Rsa1.0.02722.1	935	28417	1.00E-89	171	172	99 +	235	406	15844	16015
UN12571	Rsa1.0.07059.1	1081	9962	2.33E-156	302	315	95 -	386	700	3922	4236
UN12572	Rsa1.0.00759.1	1127	65465	0	889	937	94 +	98	1031	8202	9126
UN12573	Rsa1.0.01230.1	1079	50221	0	1052	1083	97 +	1	1079	40487	41569
UN12574	Rsa1.0.01501.1	874	44532	0	426	431	98 -	411	841	32684	33114
UN12575	Rsa1.0.01803.1	870	173846	1.00E-162	358	378	94 +	500	870	137460	137837
UN12576	Rsa1.0.01552.1	934	43396	1.00E-125	317	341	92 +	593	931	24239	24573
UN12577	Rsa1.0.02003.1	983	36171	1.00E-116	518	616	84 -	69	680	19901	20506
UN12578	#	#	#	#	#	#	#	#	#	#	#
UN12579	Rsa1.0.03145.1	1118	25020	0	768	786	97 -	118	903	9241	10026
UN12580	Rsa1.0.00130.1	828	125737	0	465	511	90 +	321	814	28245	28750
UN12581	Rsa1.0.01310.1	666	164719	0	516	554	93 -	122	661	6697	7247
UN12582	Rsa1.0.00760.1	945	65267	0	513	531	96 -	53	583	1718	2248
UN12583	Rsa1.0.03235.1	1067	24442	0	585	605	96 +	444	1047	14818	15420
UN12584	Rsa1.0.00425.1	1428	147080	0	1226	1227	99 +	202	1428	95758	96984
UN12585	Rsa1.0.31264.1	798	731	0	386	404	95 -	8	408	105	508
UN12586	Rsa1.0.00502.1	1152	204180	1.00E-157	299	305	98 -	836	1140	9361	9665
UN12587	Rsa1.0.01647.1	737	41645	1.00E-77	160	164	97 -	356	519	31207	31370
UN12588	Rsa1.0.00017.1	810	752458	3.00E-93	211	222	95 +	1	221	26745	26966
UN12589	Rsa1.0.00272.1	670	447836	1.00E-110	205	206	99 -	212	417	58523	58728
UN12590	Rsa1.0.00197.1	868	109714	0	659	684	96 +	3	676	7688	8370
UN12591	Rsa1.0.00191.1	1031	316976	0	1021	1031	99 +	1	1031	208145	209175
UN12592	Rsa1.0.03245.1	1019	24385	0	362	365	99 +	500	864	23943	24307
UN12593	Rsa1.0.07205.1	892	9726	0	408	417	97 -	468	883	259	675
UN12594	Rsa1.0.01092.1	1146	54348	1.00E-166	368	388	94 +	761	1145	53690	54076
UN12595	Rsa1.0.00188.1	965	112020	1.00E-129	271	283	95 +	14	296	9254	9536

UN12596	Rsa1.0.01294.1	605	49090	0	423	437	96 +	169	605	11942	12376
UN12597	Rsa1.0.00013.1	1041	292129	3.00E-69	134	134	100 +	2	135	150538	150671
UN12598	Rsa1.0.01976.1	486	36570	1.00E-128	233	233	100 +	253	485	1117	1349
UN12599	Rsa1.0.14668.1	1053	3173	0	498	507	98 -	547	1053	1837	2343
UN12600	Rsa1.0.04123.1	449	18947	1.00E-149	412	462	89 +	2	448	12312	12762
UN12601	Rsa1.0.02043.1	796	163754	0	720	735	97 +	3	736	156056	156790
UN12602	Rsa1.0.00821.1	782	62891	1.00E-132	310	331	93 -	51	381	43729	44051
UN12603	Rsa1.0.02548.1	902	30228	0	593	594	99 +	307	900	1221	1814
UN12604	Rsa1.0.00773.1	1099	64839	0	377	378	99 -	721	1098	42891	43268
UN12605	Rsa1.0.07030.1	1020	10008	3.00E-35	107	117	91 +	441	557	5301	5417
UN12606	Rsa1.0.03898.1	917	20183	0	412	416	99 +	3	415	6960	7375
UN12607	Rsa1.0.01983.1	1084	36509	0	489	523	93 -	494	1008	21825	22333
UN12608	Rsa1.0.05410.1	780	13840	0	370	376	98 -	308	683	7861	8236
UN12609	Rsa1.0.00190.1	820	318240	1.00E-126	289	302	95 -	504	800	8325	8626
UN12610	Rsa1.0.06648.1	1174	10603	0	447	456	98 +	719	1174	8894	9349
UN12611	Rsa1.0.04434.1	932	17377	0	498	499	99 -	3	500	11412	11910
UN12612	Rsa1.0.02700.1	1021	28584	0	356	366	97 -	658	1021	2911	3276
UN12613	Rsa1.0.00411.1	844	86944	0	448	478	93 +	3	480	41577	42054
UN12614	Rsa1.0.00454.1	1307	216970	1.00E-176	359	374	95 +	461	834	4657	5030
UN12615	Rsa1.0.07636.1	1137	8971	0	902	947	95 -	99	1040	4906	5841
UN12616	Rsa1.0.04462.1	2818	17250	0	899	999	89 -	10	996	4012	4967
UN12617	Rsa1.0.00130.1	1511	125737	0	827	832	99 +	678	1509	93480	94311
UN12618	Rsa1.0.03436.1	1346	22958	0	818	818	100 +	1	818	18408	19225
UN12619	Rsa1.0.00353.1	775	92242	1.00E-58	131	136	96 -	1	136	19022	19157
UN12620	Rsa1.0.01833.1	905	38555	2.00E-82	181	187	96 +	718	904	16525	16708
UN12621	Rsa1.0.17475.1	1112	1820	0	504	508	99 +	293	799	1314	1820
UN12622	Rsa1.0.04005.1	1074	19586	0	573	589	97 +	486	1074	15406	15994
UN12623	Rsa1.0.00016.1	821	831256	4.00E-43	119	128	92 -	134	261	373073	373197
UN12624	Rsa1.0.00087.1	705	761073	0	363	370	98 -	2	371	731598	731967
UN12625	Rsa1.0.00087.1	713	761073	8.00E-66	185	206	89 +	524	713	314989	315194
UN12626	Rsa1.0.02682.1	1310	28711	0	1245	1299	95 -	2	1300	16960	18249
UN12627	Rsa1.0.03860.1	1442	20407	0	1349	1439	93 +	6	1433	12461	13879
UN12628	Rsa1.0.00157.1	949	245832	0	510	536	95 +	1	535	61535	62065
UN12629	Rsa1.0.00782.1	868	64468	9.00E-97	204	212	96 -	352	563	20391	20602
UN12630	Rsa1.0.00115.1	1063	131321	0	945	1001	94 +	66	1063	24263	25246
UN12631	Rsa1.0.06892.1	910	10197	0	423	423	100 +	488	910	5734	6156
UN12632	Rsa1.0.01203.1	1182	50848	1.00E-109	235	245	95 -	939	1182	48526	48770
UN12633	Rsa1.0.01487.1	1277	44784	0	438	465	94 +	817	1276	2584	3042
UN12634	Rsa1.0.02841.1	1326	27383	2.00E-46	102	104	98 +	310	413	3289	3392

UN12635	Rsa1.0.03964.1	986	19835	0	480	481	99 -	312	792	8248	8728
UN12636	Rsa1.0.01121.1	868	53407	0	731	762	95 +	108	868	19076	19836
UN12637	Rsa1.0.03163.1	554	24894	1.00E-157	290	293	98 -	262	554	19033	19325
UN12638	Rsa1.0.02490.1	1207	30885	0	1185	1192	99 -	17	1207	13667	14858
UN12639	Rsa1.0.03776.1	1029	20926	0	940	944	99 +	75	1018	14487	15430
UN12640	Rsa1.0.00612.1	920	72376	0	881	919	95 +	2	920	42047	42962
UN12641	Rsa1.0.00525.1	1382	78030	0	765	781	97 -	2	782	41941	42718
UN12642	Rsa1.0.00555.1	1135	75920	0	498	503	99 +	3	505	33413	33914
UN12643	Rsa1.0.00713.1	589	158017	1.00E-115	232	239	97 -	56	294	31529	31767
UN12644	Rsa1.0.02319.1	774	32580	1.00E-89	171	172	99 -	603	774	28474	28645
UN12645	Rsa1.0.07899.1	953	8335	0	536	536	100 -	1	536	6134	6669
UN12646	Rsa1.0.03783.1	1115	20890	1.00E-156	322	336	95 -	780	1115	17823	18158
UN12647	Rsa1.0.18172.1	839	1653	0	404	408	99 +	1	408	696	1103
UN12648	Rsa1.0.01453.1	995	45449	1.00E-169	359	379	94 -	629	993	25076	25450
UN12649	Rsa1.0.01113.1	1317	53616	1.00E-163	292	292	100 -	1024	1315	2880	3171
UN12650	Rsa1.0.02215.1	168	33822	4.00E-52	110	112	98 +	1	112	8684	8795
UN12651	Rsa1.0.00236.1	696	104771	0	496	514	96 +	5	516	87938	88448
UN12652	Rsa1.0.00010.1	942	294827	0	344	344	100 -	1	344	291011	291354
UN12653	Rsa1.0.01537.1	635	187285	1.00E-149	267	267	100 -	2	268	21663	21929
UN12654	Rsa1.0.01016.1	821	181422	0	344	347	99 -	361	707	54441	54787
UN12655	Rsa1.0.00123.1	829	325650	0	334	338	98 +	411	748	305219	305556
UN12656	Rsa1.0.02239.1	829	33534	1.00E-148	336	359	93 -	2	357	28204	28551
UN12657	Rsa1.0.05569.1	1393	13311	0	511	517	98 +	403	919	2935	3451
UN12658	Rsa1.0.03674.1	834	21442	0	406	407	99 -	1	407	4886	5292
UN12659	Rsa1.0.02447.1	834	31325	0	613	627	97 +	208	834	19325	19951
UN12660	Rsa1.0.00927.1	1140	59312	3.00E-48	155	171	90 +	395	563	37605	37775
UN12661	Rsa1.0.10001.1	1097	6042	0	481	489	98 +	552	1040	376	864
UN12662	Rsa1.0.00472.1	826	398134	0	811	819	99 -	2	819	175008	175826
UN12663	Rsa1.0.00707.1	717	190112	0	710	717	99 +	1	717	13083	13799
UN12664	Rsa1.0.07260.1	808	9650	0	621	638	97 +	175	808	3769	4406
UN12665	Rsa1.0.03467.1	894	22687	0	655	685	95 -	1	682	10718	11395
UN12666	Rsa1.0.00860.1	1319	61789	1.00E-174	329	335	98 +	836	1170	13438	13772
UN12667	Rsa1.0.00886.1	1617	167350	0	1292	1373	94 +	5	1358	41693	43031
UN12668	Rsa1.0.00358.1	647	91293	1.00E-112	295	321	91 -	10	326	34290	34605
UN12669	Rsa1.0.02874.1	924	27070	1.00E-130	242	244	99 -	4	247	3255	3498
UN12670	Rsa1.0.05024.1	1138	15105	0	695	706	98 -	3	708	12297	13002
UN12671	Rsa1.0.00131.1	806	432233	1.00E-142	256	256	100 -	1	256	409494	409749
UN12672	Rsa1.0.01527.1	1898	43905	1.00E-170	335	344	97 -	1452	1795	3571	3908
UN12673	Rsa1.0.00253.1	1337	231292	0	825	831	99 +	503	1333	6842	7672

UN12674	Rsa1.0.08338.1	704	7511	1.00E-134	260	266	97 +	178	443	1645	1910
UN12675	Rsa1.0.01360.1	1155	47246	0	954	962	99 +	1	962	23553	24514
UN12676	Rsa1.0.00039.1	1270	296927	0	1132	1138	99 -	2	1135	43601	44738
UN12677	Rsa1.0.08922.1	824	6788	0	646	649	99 -	11	659	2351	2999
UN12678	Rsa1.0.05854.1	592	12415	2.00E-94	417	498	83 -	121	590	1610	2103
UN12679	Rsa1.0.00277.1	913	100132	0	776	790	98 +	41	830	62070	62858
UN12680	Rsa1.0.17454.1	1287	1825	1.00E-178	338	345	97 +	185	529	397	741
UN12681	Rsa1.0.03753.1	966	21010	0	474	491	96 +	1	487	549	1036
UN12682	Rsa1.0.00168.1	703	115870	0	403	427	94 +	60	477	28692	29117
UN12683	Rsa1.0.02343.1	525	32374	1.00E-118	236	243	97 -	281	523	1010	1252
UN12684	Rsa1.0.01506.1	1015	44370	1.00E-96	300	338	88 +	1	332	34074	34398
UN12685	Rsa1.0.02162.1	961	34431	0	913	913	100 -	1	913	9700	10612
UN12686	Rsa1.0.00308.1	951	96915	0	412	412	100 +	496	907	85014	85425
UN12687	Rsa1.0.00470.1	768	81968	5.00E-95	189	193	97 -	380	572	50362	50554
UN12688	Rsa1.0.00340.1	1617	305782	0	1034	1038	99 +	3	1039	105673	106710
UN12689	Rsa1.0.01414.1	1052	149508	1.00E-159	297	301	98 +	749	1049	18060	18360
UN12690	Rsa1.0.00013.1	515	292129	0	431	450	95 -	1	446	116018	116467
UN12691	Rsa1.0.00773.1	1133	64839	0	375	378	99 +	2	378	42891	43268
UN12692	Rsa1.0.12696.1	637	5151	0	392	398	98 -	4	397	4	401
UN12693	Rsa1.0.00059.1	729	159650	1.00E-167	322	330	97 -	2	331	24598	24927
UN12694	Rsa1.0.07250.1	1370	9663	1.00E-148	274	275	99 +	1097	1370	9079	9353
UN12695	Rsa1.0.02672.1	876	28884	1.00E-133	266	273	97 -	602	874	15502	15773
UN12696	Rsa1.0.00087.1	801	761073	3.00E-75	150	152	98 -	111	262	294730	294881
UN12697	Rsa1.0.02233.1	1178	33658	0	453	457	99 +	720	1176	4344	4800
UN12698	Rsa1.0.00797.1	611	63959	1.00E-139	348	378	92 -	41	406	11646	12022
UN12699	Rsa1.0.02370.1	1113	32071	0	582	587	99 -	264	850	1342	1928
UN12700	Rsa1.0.00759.1	539	65465	1.00E-159	383	414	92 -	1	404	9402	9811
UN12701	Rsa1.0.11046.1	1252	5635	1.00E-99	185	185	100 -	264	448	2762	2946
UN12702	Rsa1.0.00053.1	1484	263459	1.00E-161	395	430	91 -	5	429	84698	85118
UN12703	Rsa1.0.00671.1	859	397884	0	451	452	99 -	1	452	185631	186082
UN12704	Rsa1.0.07638.1	750	8967	7.00E-88	212	227	93 -	83	301	6345	6571
UN12705	Rsa1.0.00467.1	1116	156542	0	532	536	99 -	55	590	77638	78173
UN12706	Rsa1.0.00018.1	1157	410899	0	399	422	94 -	40	457	68738	69159
UN12707	Rsa1.0.00352.1	988	92266	0	533	570	93 +	1	567	24753	25312
UN12708	Rsa1.0.00457.1	888	337301	0	822	825	99 +	2	826	317281	318105
UN12709	Rsa1.0.00169.1	1198	274298	0	703	721	97 +	1	718	26972	27690
UN12710	Rsa1.0.01092.1	815	54348	0	407	416	97 +	365	780	43380	43795
UN12711	Rsa1.0.47960.1	1257	472	1.00E-157	282	282	100 +	575	856	135	416
UN12712	Rsa1.0.01166.1	786	51877	0	485	491	98 -	2	492	8577	9067

UN12713	Rsa1.0.01526.1	1087	43919	0	394	403	97 -	685	1087	1326	1728
UN12714	Rsa1.0.00788.1	912	64237	0	489	498	98 -	1	498	34653	35149
UN12715	Rsa1.0.04655.1	1084	16495	0	619	622	99 -	4	623	11787	12408
UN12716	Rsa1.0.02561.1	1083	30080	1.00E-110	218	222	98 +	1	222	13923	14143
UN12717	Rsa1.0.00087.1	1323	761073	0	505	506	99 -	816	1321	439499	440004
UN12718	Rsa1.0.03895.1	775	20206	1.00E-168	475	527	90 +	1	516	13684	14200
UN12719	Rsa1.0.00214.1	767	107508	0	627	635	98 -	3	636	74183	74817
UN12720	Rsa1.0.01829.1	729	166063	0	698	730	95 -	1	729	161056	161780
UN12721	Rsa1.0.00559.1	1255	190486	0	709	726	97 +	531	1255	182338	183063
UN12722	Rsa1.0.00303.1	376	97468	5.00E-41	101	106	95 +	257	362	39703	39808
UN12723	Rsa1.0.00002.1	586	601661	0	490	501	97 +	1	501	273867	274367
UN12724	Rsa1.0.00280.1	591	99966	1.00E-180	440	475	92 +	1	468	15030	15501
UN12725	Rsa1.0.00060.1	1494	502678	0	636	653	97 +	485	1137	335571	336223
UN12726	Rsa1.0.00152.1	1294	257730	0	493	513	96 -	167	676	84804	85316
UN12727	Rsa1.0.01983.1	820	36509	1.00E-129	277	292	94 -	143	434	31893	32171
UN12728	Rsa1.0.02772.1	1441	28047	0	441	441	100 +	999	1439	4728	5168
UN12729	Rsa1.0.00307.1	727	199003	1.00E-158	331	346	95 -	80	425	70435	70778
UN12730	Rsa1.0.00625.1	631	71672	0	512	544	94 +	4	547	44621	45142
UN12731	Rsa1.0.02269.1	842	33168	0	362	374	96 -	473	842	18650	19023
UN12732	Rsa1.0.01540.1	1214	151890	0	464	471	98 +	3	473	109822	110288
UN12733	Rsa1.0.00002.1	869	601661	0	667	672	99 +	198	869	73556	74224
UN12734	Rsa1.0.01487.1	1330	44784	0	435	463	93 +	846	1303	2584	3046
UN12735	Rsa1.0.00132.1	876	124299	1.00E-168	383	414	92 -	3	411	92484	92882
UN12736	Rsa1.0.00123.1	860	325650	0	744	773	96 +	3	773	93792	94560
UN12737	Rsa1.0.02233.1	148	33658	4.00E-64	144	148	97 +	2	148	22592	22738
UN12738	Rsa1.0.06671.1	1451	10563	0	892	897	99 +	553	1449	3146	4042
UN12739	Rsa1.0.00121.1	880	278029	0	361	365	98 -	476	840	101741	102105
UN12740	Rsa1.0.00224.1	844	327530	0	400	406	98 +	32	437	191268	191673
UN12741	Rsa1.0.00053.1	720	263459	0	351	352	99 +	3	354	142354	142705
UN12742	Rsa1.0.04542.1	1147	16930	0	569	573	99 -	575	1145	14326	14898
UN12743	Rsa1.0.01806.1	794	39021	1.00E-166	309	313	98 +	218	530	11263	11575
UN12744	Rsa1.0.00997.1	1388	57190	0	930	1044	89 +	107	1111	55922	56933
UN12745	Rsa1.0.02001.1	1194	36198	0	562	574	97 -	288	861	18246	18819
UN12746	Rsa1.0.00698.1	931	67816	1.00E-139	281	287	97 +	604	887	65687	65973
UN12747	#	#	#	#	#	#	#	#	#	#	#
UN12748	Rsa1.0.00192.1	896	278200	0	708	761	93 +	137	896	251267	252016
UN12749	Rsa1.0.34603.1	1122	654	1.00E-136	252	254	99 -	68	321	203	456
UN12750	Rsa1.0.00051.1	1040	258225	0	985	1054	93 +	3	1030	113688	114731
UN12751	Rsa1.0.00534.1	675	77361	0	591	596	99 -	81	675	41291	41885

UN12752	Rsa1.0.09314.1	1063	6461	0	522	530	98 +	4	532	5588	6112
UN12753	Rsa1.0.00329.1	717	222544	1.00E-151	322	335	96 +	19	353	69996	70327
UN12754	Rsa1.0.00476.1	1012	280966	0	561	574	97 +	10	581	158349	158922
UN12755	Rsa1.0.05748.1	632	12749	1.00E-129	273	286	95 +	1	286	8246	8531
UN12756	Rsa1.0.04725.1	1066	16221	0	549	554	99 +	513	1066	629	1182
UN12757	Rsa1.0.00744.1	748	66084	1.00E-127	364	408	89 -	3	394	58901	59305
UN12758	Rsa1.0.00366.1	963	90880	0	904	922	98 -	43	963	18961	19882
UN12759	Rsa1.0.02671.1	839	28887	7.00E-76	151	153	98 +	341	493	4160	4312
UN12760	Rsa1.0.00064.1	1077	240927	0	722	737	97 +	343	1077	2395	3122
UN12761	Rsa1.0.03517.1	1267	22337	1.00E-126	258	265	97 -	1	263	17681	17945
UN12762	Rsa1.0.00067.1	978	415055	0	602	672	89 +	331	978	165425	166069
UN12763	Rsa1.0.01751.1	609	39806	1.00E-115	274	290	94 -	318	606	30349	30634
UN12764	Rsa1.0.00173.1	773	288743	7.00E-85	188	196	95 -	1	196	284813	285007
UN12765	Rsa1.0.04981.1	858	15250	0	337	338	99 +	521	858	3452	3789
UN12766	Rsa1.0.00285.1	953	149638	1.00E-74	192	208	92 -	746	953	51931	52134
UN12767	Rsa1.0.08080.1	1084	137363	0	1026	1075	95 +	15	1084	3242	4298
UN12768	Rsa1.0.00687.1	1481	68494	0	842	928	90 -	7	916	23396	24308
UN12769	Rsa1.0.00025.1	804	277312	0	746	747	99 -	5	751	141060	141806
UN12770	Rsa1.0.07056.1	1676	9969	0	377	382	98 -	444	825	3171	3552
UN12771	Rsa1.0.01236.1	810	50156	4.00E-68	196	211	92 -	606	810	40391	40601
UN12772	Rsa1.0.01943.1	786	37042	0	382	398	95 +	386	780	31522	31919
UN12773	Rsa1.0.00828.1	1094	62744	0	695	719	96 +	376	1094	15666	16383
UN12774	Rsa1.0.00002.1	1276	601661	1.00E-157	290	293	98 -	748	1040	56141	56433
UN12775	Rsa1.0.00387.1	886	495407	0	648	657	98 +	226	876	279848	280504
UN12776	Rsa1.0.00183.1	1183	113277	1.00E-164	300	302	99 -	66	367	71078	71379
UN12777	Rsa1.0.03122.1	559	25207	0	545	555	98 -	3	557	14297	14851
UN12778	Rsa1.0.04022.1	1374	19534	0	813	840	96 -	3	839	16373	17212
UN12779	Rsa1.0.00273.1	749	326186	0	619	633	97 -	55	687	239109	239741
UN12780	Rsa1.0.08841.1	1243	6870	1.00E-173	317	320	99 -	924	1243	2715	3034
UN12781	Rsa1.0.00504.1	1087	79334	0	439	454	96 -	632	1085	49866	50319
UN12782	Rsa1.0.00085.1	776	142226	8.00E-91	198	206	96 -	3	208	31612	31816
UN12783	Rsa1.0.08838.1	803	6873	0	416	438	94 +	336	770	2202	2639
UN12784	Rsa1.0.00419.1	1014	86562	1.00E-117	327	364	89 +	2	354	13957	14303
UN12785	Rsa1.0.75419.1	680	304	1.00E-52	126	133	94 -	50	176	172	304
UN12786	Rsa1.0.00789.1	791	64233	1.00E-174	327	333	98 -	2	334	18293	18625
UN12787	Rsa1.0.00255.1	1063	204967	0	394	407	96 +	312	717	202520	202925
UN12788	Rsa1.0.02079.1	1398	35306	0	502	511	98 +	38	548	23541	24051
UN12789	Rsa1.0.00263.1	1712	224968	1.00E-142	326	351	92 -	13	348	143774	144123
UN12790	Rsa1.0.00104.1	815	368722	1.00E-122	343	381	90 +	217	590	68056	68435

UN12791	Rsa1.0.00019.1	759	301669	0	566	592	95 -	174	758	240989	241580
UN12792	Rsa1.0.00055.1	1362	520193	0	414	417	99 +	948	1362	402999	403415
UN12793	Rsa1.0.01151.1	702	52268	1.00E-125	255	262	97 -	443	701	40359	40620
UN12794	Rsa1.0.00245.1	1091	103569	0	462	474	97 +	620	1091	80498	80970
UN12795	Rsa1.0.00673.1	1097	69325	0	474	475	99 -	623	1097	21082	21556
UN12796	Rsa1.0.07321.1	790	9559	1.00E-115	279	304	91 +	395	676	4293	4596
UN12797	Rsa1.0.00252.1	890	102760	1.00E-156	406	443	91 +	463	890	97946	98384
UN12798	Rsa1.0.01825.1	772	38725	1.00E-177	318	319	99 -	2	320	8042	8360
UN12799	Rsa1.0.27953.1	903	833	1.00E-152	300	309	97 -	507	815	4	312
UN12800	Rsa1.0.01318.1	1295	48275	0	931	975	95 +	307	1279	46134	47105
UN12801	Rsa1.0.00048.1	1150	167185	1.00E-101	218	228	95 -	922	1149	4779	5006
UN12802	Rsa1.0.11741.1	807	5423	1.00E-151	351	375	93 -	419	791	4722	5096
UN12803	Rsa1.0.04399.1	1226	17543	0	525	552	95 +	672	1222	9931	10478
UN12804	Rsa1.0.00449.1	1321	83863	0	900	953	94 -	356	1306	69850	70799
UN12805	Rsa1.0.00061.1	751	218685	0	408	425	96 -	334	746	2190	2614
UN12806	#	#	#	#	#	#	#	#	#	#	#
UN12807	Rsa1.0.01286.1	1128	49209	1.00E-178	379	402	94 -	743	1127	24662	25063
UN12808	Rsa1.0.01088.1	1322	54416	0	414	422	98 -	2	419	17524	17945
UN12809	Rsa1.0.01477.1	1238	45008	0	876	908	96 +	314	1213	16872	17774
UN12810	Rsa1.0.01482.1	983	44855	7.00E-30	207	247	83 +	733	976	1537	1780
UN12811	Rsa1.0.00017.1	1263	752458	0	426	428	99 -	835	1260	154844	155271
UN12812	Rsa1.0.00935.1	315	59079	1.00E-112	238	246	96 +	70	315	23754	23997
UN12813	Rsa1.0.00178.1	718	114861	0	385	391	98 +	3	392	7147	7537
UN12814	Rsa1.0.03226.1	1105	24494	0	1028	1091	94 +	14	1104	11458	12540
UN12815	Rsa1.0.00026.1	2149	327835	0	405	419	96 +	1	419	168377	168795
UN12816	Rsa1.0.00033.1	861	515811	0	517	544	95 -	318	861	392387	392921
UN12817	Rsa1.0.00068.1	915	151813	0	657	697	94 -	2	695	105616	106300
UN12818	Rsa1.0.00127.1	1117	127446	0	471	497	94 -	626	1117	98617	99109
UN12819	Rsa1.0.00218.1	1308	201480	0	748	766	97 +	545	1308	197280	198045
UN12820	Rsa1.0.00159.1	585	431686	0	551	568	97 +	4	571	402820	403375
UN12821	Rsa1.0.01451.1	868	45459	0	672	706	95 -	6	702	29003	29707
UN12822	Rsa1.0.01279.1	1407	180330	0	580	581	99 -	827	1407	132092	132672
UN12823	Rsa1.0.01097.1	528	173349	9.00E-96	181	182	99 -	347	528	8596	8777
UN12824	Rsa1.0.00002.1	1262	601661	0	641	672	95 -	2	670	454256	454927
UN12825	Rsa1.0.00900.1	688	60367	3.00E-74	145	146	99 -	38	183	28111	28256
UN12826	Rsa1.0.00166.1	693	240912	0	386	388	99 +	307	693	148292	148679
UN12827	Rsa1.0.02013.1	661	36041	0	653	661	98 +	1	661	24618	25278
UN12828	Rsa1.0.00321.1	929	95671	1.00E-104	199	201	99 -	509	709	49435	49635
UN12829	Rsa1.0.00099.1	1528	159619	0	425	427	99 -	1	426	141527	141953

UN12830	Rsa1.0.01563.1	705	170823	0	674	721	93 -	5	705	25362	26066
UN12831	Rsa1.0.00532.1	1099	77384	4.00E-81	178	186	95 -	545	730	35746	35931
UN12832	Rsa1.0.00675.1	713	145590	0	470	484	97 +	4	487	5564	6047
UN12833	Rsa1.0.03752.1	1204	21022	1.00E-105	245	262	93 +	952	1202	1341	1602
UN12834	Rsa1.0.46200.1	793	488	1.00E-110	211	214	98 +	387	600	167	380
UN12835	Rsa1.0.00373.1	848	90296	0	381	384	99 -	466	848	72444	72827
UN12836	Rsa1.0.01942.1	722	37048	0	508	519	97 +	205	722	3600	4118
UN12837	Rsa1.0.00105.1	954	134138	0	460	469	98 -	484	951	122067	122535
UN12838	Rsa1.0.13606.1	1039	4648	0	806	826	97 -	232	1039	3795	4620
UN12839	Rsa1.0.00483.1	961	81102	1.00E-172	388	408	95 -	1	403	51013	51417
UN12840	Rsa1.0.05108.1	1332	14820	1.00E-137	287	299	95 +	6	301	7623	7921
UN12841	Rsa1.0.02387.1	801	31890	0	489	503	97 +	300	801	13695	14197
UN12842	Rsa1.0.00821.1	809	62891	0	466	467	99 +	34	500	46889	47355
UN12843	Rsa1.0.05890.1	622	12317	3.00E-46	137	149	91 -	1	145	1820	1968
UN12844	Rsa1.0.09479.1	1146	6340	0	461	462	99 +	686	1146	1	462
UN12845	Rsa1.0.26922.1	781	873	9.00E-63	126	127	99 +	253	379	178	304
UN12846	Rsa1.0.00744.1	940	66084	1.00E-175	324	327	99 +	1	327	51350	51675
UN12847	Rsa1.0.00949.1	1106	58549	0	886	920	96 +	195	1106	51667	52584
UN12848	Rsa1.0.03327.1	777	23707	0	769	780	98 -	1	777	17824	18603
UN12849	Rsa1.0.00008.1	757	358124	1.00E-86	190	199	95 -	44	242	179685	179883
UN12850	Rsa1.0.02858.1	858	27246	4.00E-99	184	184	100 -	617	800	1	184
UN12851	Rsa1.0.19044.1	789	1490	0	330	331	99 +	449	779	1016	1346
UN12852	Rsa1.0.23774.1	1152	1026	1.00E-145	307	322	95 +	3	312	519	837
UN12853	Rsa1.0.00821.1	1042	62891	1.00E-126	300	321	93 +	20	328	48999	49319
UN12854	Rsa1.0.00323.1	1466	159650	0	446	453	98 +	1013	1465	125184	125636
UN12855	Rsa1.0.00307.1	1488	199003	0	529	548	96 -	942	1487	9419	9963
UN12856	Rsa1.0.00589.1	1345	209965	0	916	930	98 -	417	1345	63245	64174
UN12857	Rsa1.0.00190.1	1405	318240	0	838	840	99 -	566	1405	199849	200688
UN12858	Rsa1.0.01121.1	734	53407	1.00E-171	387	411	94 -	327	732	30379	30789
UN12859	Rsa1.0.01537.1	743	187285	0	496	504	98 +	3	506	14810	15313
UN12860	Rsa1.0.00170.1	757	179538	7.00E-82	155	155	100 -	299	453	28953	29107
UN12861	Rsa1.0.02268.1	1145	33172	0	674	700	96 +	413	1103	29896	30595
UN12862	Rsa1.0.02422.1	784	161122	0	775	784	98 +	3	784	154550	155333
UN12863	Rsa1.0.00008.1	1307	358124	0	830	835	99 -	472	1306	3045	3876
UN12864	Rsa1.0.02494.1	832	132923	3.00E-56	131	136	96 -	698	832	110900	111035
UN12865	Rsa1.0.02081.1	1262	35235	1.00E-164	309	313	98 +	951	1262	16615	16927
UN12866	Rsa1.0.00438.1	1310	84861	1.00E-141	308	319	96 -	965	1278	47498	47816
UN12867	Rsa1.0.05474.1	1182	13620	0	463	474	97 +	711	1181	6888	7361
UN12868	Rsa1.0.00175.1	756	166121	2.00E-75	200	219	91 -	123	341	141878	142090

UN12869	Rsa1.0_00207.1	1544	248736	1.00E-139	299	312	95 +	384	693	24164	24475
UN12870	Rsa1.0_01514.1	1183	44222	1.00E-156	295	300	98 +	12	311	2906	3205
UN12871	Rsa1.0_01474.1	1081	45070	0	984	1001	98 +	81	1081	18278	19277
UN12872	Rsa1.0_33384.1	488	679	0	378	388	97 -	92	479	173	560
UN12873	Rsa1.0_00140.1	772	121541	0	730	756	96 +	5	756	82013	82767
UN12874	Rsa1.0_00020.1	782	283099	0	544	597	91 +	1	594	63641	64224
UN12875	Rsa1.0_01784.1	1049	39371	0	1033	1048	98 +	3	1049	3946	4993
UN12876	Rsa1.0_01564.1	1274	43169	0	1108	1140	97 -	118	1257	19661	20800
UN12877	Rsa1.0_00962.1	1302	184909	0	755	801	94 +	513	1302	19815	20606
UN12878	Rsa1.0_08140.1	823	7845	0	413	430	96 +	394	823	6704	7129
UN12879	Rsa1.0_02119.1	983	34833	0	843	894	94 -	1	872	7164	8055
UN12880	Rsa1.0_04881.1	1198	15608	1.00E-175	353	367	96 +	825	1191	7577	7943
UN12881	Rsa1.0_02655.1	1383	29027	1.00E-104	321	365	87 -	15	376	13789	14132
UN12882	Rsa1.0_29200.1	1262	789	0	695	741	93 +	492	1231	68	788
UN12883	#	#	#	#	#	#	#	#	#	#	#
UN12884	Rsa1.0_00372.1	906	90418	0	427	447	95 -	470	905	46191	46637
UN12885	Rsa1.0_01026.1	1175	171624	1.00E-127	265	275	96 -	902	1175	30319	30587
UN12886	Rsa1.0_00108.1	1266	478491	0	512	558	91 -	668	1215	307490	308027
UN12887	Rsa1.0_00519.1	1329	197864	0	447	462	96 +	422	883	192264	192724
UN12888	Rsa1.0_00652.1	906	70089	1.00E-109	229	237	96 -	661	897	22798	23033
UN12889	Rsa1.0_07925.1	750	8245	0	723	756	95 +	2	750	3710	4459
UN12890	Rsa1.0_00016.1	982	831256	1.00E-151	287	292	98 -	691	982	204599	204890
UN12891	Rsa1.0_05505.1	677	13500	0	633	652	97 +	3	652	6227	6878
UN12892	Rsa1.0_00226.1	719	105884	0	445	459	96 -	257	713	42370	42828
UN12893	Rsa1.0_06590.1	1255	10706	0	409	429	95 -	499	927	2006	2428
UN12894	Rsa1.0_00642.1	1490	201230	0	1032	1064	96 +	2	1063	172898	173961
UN12895	Rsa1.0_00196.1	849	109960	0	619	638	97 +	220	849	102104	102740
UN12896	Rsa1.0_01155.1	1097	52182	0	743	766	96 +	4	769	12179	12944
UN12897	Rsa1.0_01585.1	614	42806	0	598	613	97 -	2	614	8561	9173
UN12898	Rsa1.0_14855.1	1348	3011	0	650	674	96 +	259	932	1310	1983
UN12899	Rsa1.0_00890.1	843	323870	1.00E-113	267	284	94 +	560	842	213739	214021
UN12900	Rsa1.0_00218.1	1372	201480	0	997	1085	91 +	285	1364	174782	175837
UN12901	Rsa1.0_00044.1	1150	271658	0	413	425	97 +	718	1140	120064	120488
UN12902	Rsa1.0_04786.1	564	15988	9.00E-90	171	172	99 +	279	450	964	1135
UN12903	Rsa1.0_01667.1	1033	41315	1.00E-155	341	362	94 +	668	1029	2299	2655
UN12904	Rsa1.0_19029.1	775	1493	5.00E-58	169	186	90 -	385	570	55	233
UN12905	Rsa1.0_12866.1	858	5093	0	805	847	95 -	1	824	1621	2461
UN12906	Rsa1.0_00158.1	670	117999	1.00E-168	325	332	97 +	337	668	68825	69155
UN12907	Rsa1.0_05687.1	1304	12932	0	575	589	97 +	718	1304	3372	3956

UN12908	Rsa1.0.02750.1	999	28239	2.00E-89	206	218	94 -	487	701	23214	23431
UN12909	Rsa1.0.00441.1	796	84607	1.00E-156	289	292	98 +	3	294	67630	67921
UN12910	Rsa1.0.06452.1	1207	10994	1.00E-126	276	294	93 -	615	908	2469	2750
UN12911	Rsa1.0.01884.1	469	37659	1.00E-168	317	323	98 +	146	468	23642	23964
UN12912	Rsa1.0.00222.1	1019	172263	0	996	1015	98 +	3	1015	68984	69995
UN12913	Rsa1.0.00284.1	1294	323267	1.00E-103	194	195	99 -	197	391	137125	137319
UN12914	Rsa1.0.00037.1	1874	307838	0	450	451	99 -	938	1388	136526	136976
UN12915	Rsa1.0.00225.1	782	105892	0	434	435	99 -	348	782	47589	48023
UN12916	Rsa1.0.00451.1	603	322533	1.00E-174	309	309	100 -	295	603	26266	26574
UN12917	Rsa1.0.03588.1	671	21908	0	349	352	99 +	3	353	3149	3500
UN12918	Rsa1.0.00215.1	1276	201775	1.00E-161	337	350	96 +	83	428	48897	49244
UN12919	Rsa1.0.00196.1	1177	109960	0	441	449	98 +	731	1177	37671	38114
UN12920	Rsa1.0.03878.1	961	20305	0	517	529	97 +	259	784	1652	2180
UN12921	Rsa1.0.03695.1	1276	21329	0	444	465	95 +	469	927	1	462
UN12922	Rsa1.0.03518.1	1249	22337	0	969	1114	86 -	71	1180	782	1892
UN12923	Rsa1.0.00837.1	1056	62568	0	1006	1060	94 -	2	1056	23094	24150
UN12924	Rsa1.0.27704.1	1233	842	1.00E-177	318	319	99 +	608	926	47	365
UN12925	Rsa1.0.03448.1	1217	22844	0	691	703	98 +	512	1212	3268	3970
UN12926	Rsa1.0.04036.1	298	19473	7.00E-89	277	310	89 +	1	298	2673	2976
UN12927	Rsa1.0.01335.1	1081	47894	0	407	415	98 +	61	475	8128	8542
UN12928	Rsa1.0.00017.1	763	752458	5.00E-18	63	68	92 -	677	744	603147	603214
UN12929	Rsa1.0.00017.1	1349	752458	0	483	489	98 -	3	490	206415	206903
UN12930	Rsa1.0.00088.1	1683	141341	0	332	332	100 +	1	332	126100	126431
UN12931	Rsa1.0.01657.1	1035	41436	0	1012	1043	97 -	2	1034	18371	19411
UN12932	Rsa1.0.06482.1	851	10937	0	579	611	94 +	209	816	8153	8752
UN12933	Rsa1.0.17775.1	876	1743	1.00E-178	492	535	91 -	1	517	1	529
UN12934	Rsa1.0.01078.1	1024	316910	0	443	450	98 +	1	449	263780	264229
UN12935	Rsa1.0.00035.1	1494	176449	0	502	512	98 -	987	1493	41113	41624
UN12936	Rsa1.0.00715.1	254	67116	6.00E-49	120	127	94 +	76	202	41043	41169
UN12937	Rsa1.0.00015.1	533	561803	1.00E-107	267	288	92 -	37	321	323683	323970
UN12938	Rsa1.0.01039.1	1219	55946	1.00E-167	304	306	99 +	912	1217	1887	2192
UN12939	Rsa1.0.34219.1	1388	662	0	551	570	96 +	88	651	93	662
UN12940	Rsa1.0.13940.1	1152	4047	0	952	1001	95 -	1	996	533	1524
UN12941	Rsa1.0.01414.1	572	149508	0	556	568	97 -	3	570	143134	143695
UN12942	Rsa1.0.03594.1	573	21868	0	522	548	95 +	1	543	14605	15150
UN12943	Rsa1.0.01091.1	821	54383	0	421	428	98 +	8	435	3299	3726
UN12944	Rsa1.0.02933.1	747	26641	1.00E-134	330	357	92 -	363	718	14863	15217
UN12945	Rsa1.0.00714.1	348	67187	1.00E-87	192	200	96 +	1	200	22346	22544
UN12946	Rsa1.0.00476.1	687	280966	1.00E-149	381	415	91 +	33	434	31627	32036

UN12947	Rsa1.0.00139.1	1111	357786	0	342	344	99 -	397	740	307381	307724
UN12948	Rsa1.0.00236.1	552	104771	0	388	405	95 -	1	405	3599	4003
UN12949	Rsa1.0.02157.1	924	149652	1.00E-113	252	268	94 +	3	270	12864	13118
UN12950	Rsa1.0.01660.1	1365	41400	0	540	558	96 +	2	558	34367	34923
UN12951	Rsa1.0.09942.1	1454	6077	0	515	521	98 +	404	924	2178	2698
UN12952	Rsa1.0.02688.1	1460	28644	0	581	582	99 -	879	1459	16137	16718
UN12953	Rsa1.0.04658.1	782	16487	0	516	519	99 +	2	520	2415	2933
UN12954	Rsa1.0.01191.1	1300	51235	1.00E-111	216	220	98 +	887	1106	40960	41179
UN12955	Rsa1.0.01117.1	1395	53465	0	852	876	97 -	164	1032	45221	46096
UN12956	Rsa1.0.00114.1	848	131330	1.00E-128	248	252	98 +	595	846	31129	31379
UN12957	Rsa1.0.02952.1	594	26492	0	569	596	95 +	7	592	20510	21105
UN12958	Rsa1.0.00080.1	914	190437	1.00E-126	230	230	100 +	682	911	37681	37910
UN12959	Rsa1.0.00644.1	814	136881	1.00E-74	146	147	99 -	401	547	43911	44057
UN12960	Rsa1.0.01721.1	644	40345	0	644	644	100 -	1	644	24026	24669
UN12961	Rsa1.0.00251.1	1231	303968	1.00E-163	351	368	95 +	1	368	55620	55975
UN12962	Rsa1.0.00347.1	926	93048	1.00E-153	301	310	97 -	366	675	91691	92000
UN12963	Rsa1.0.01481.1	1207	184562	0	596	601	99 +	1	601	180888	181486
UN12964	Rsa1.0.00321.1	710	95671	1.00E-144	285	292	97 +	2	292	47875	48166
UN12965	Rsa1.0.03387.1	989	23278	1.00E-110	378	435	86 -	146	564	1752	2161
UN12966	Rsa1.0.02611.1	1388	29586	0	335	335	100 +	3	337	19139	19473
UN12967	Rsa1.0.00040.1	836	324196	0	586	594	98 +	1	592	36346	36939
UN12968	Rsa1.0.01185.1	1352	149842	1.00E-121	222	222	100 -	388	609	135255	135476
UN12969	Rsa1.0.00552.1	1050	206757	1.00E-162	333	342	97 +	3	340	193044	193385
UN12970	Rsa1.0.00381.1	471	89718	2.00E-65	179	193	92 +	3	194	72068	72256
UN12971	Rsa1.0.07105.1	502	9886	0	417	436	95 +	7	440	1413	1845
UN12972	Rsa1.0.00108.1	1115	478491	1.00E-152	291	297	97 +	776	1072	451984	452280
UN12973	Rsa1.0.18957.1	1293	1505	1.00E-149	293	300	97 +	353	652	1203	1501
UN12974	Rsa1.0.13999.1	1265	3934	0	357	358	99 +	1	358	1800	2157
UN12975	Rsa1.0.02365.1	927	32118	0	918	941	97 -	1	925	13255	14194
UN12976	Rsa1.0.69282.1	1183	331	1.00E-130	252	257	98 +	407	663	71	327
UN12977	Rsa1.0.00139.1	1014	357786	0	957	987	96 -	28	1012	263041	264021
UN12978	Rsa1.0.14538.1	1457	3287	0	385	392	98 +	1	392	2434	2825
UN12979	Rsa1.0.00117.1	1150	213118	0	582	584	99 +	1	584	122790	123373
UN12980	Rsa1.0.02119.1	1422	34833	0	1340	1372	97 +	3	1372	6569	7940
UN12981	Rsa1.0.03321.1	810	23755	0	484	497	97 -	9	503	21986	22480
UN12982	Rsa1.0.00428.1	748	85599	1.00E-164	296	297	99 -	7	303	64925	65221
UN12983	Rsa1.0.03770.1	1472	20952	0	693	715	96 -	1	714	5875	6582
UN12984	Rsa1.0.01571.1	1392	43000	0	416	433	96 +	968	1392	13732	14164
UN12985	Rsa1.0.05184.1	796	14563	1.00E-147	367	394	93 +	3	390	127	518

UN12986	Rsa1.0.01881.1	996	37721	0	794	823	96 +	1	822	7716	8531
UN12987	Rsa1.0.00785.1	1563	64356	0	819	820	99 +	2	821	25927	26746
UN12988	Rsa1.0.01286.1	706	49209	1.00E-157	310	318	97 +	389	706	9368	9684
UN12989	Rsa1.0.02377.1	918	31994	1.00E-167	304	306	99 -	1	306	10248	10553
UN12990	Rsa1.0.00131.1	894	432233	0	406	424	95 +	472	893	96212	96630
UN12991	Rsa1.0.07738.1	680	8686	0	505	535	94 -	1	533	3745	4268
UN12992	Rsa1.0.00925.1	1313	59481	0	705	742	95 -	1	737	21015	21749
UN12993	Rsa1.0.00353.1	767	92242	0	523	542	96 +	1	541	7238	7779
UN12994	Rsa1.0.00435.1	186	317579	7.00E-54	151	165	91 +	1	162	70720	70884
UN12995	Rsa1.0.01310.1	874	164719	0	786	829	94 +	2	825	6052	6865
UN12996	Rsa1.0.00058.1	1307	159921	1.00E-126	306	328	93 -	3	328	139467	139782
UN12997	Rsa1.0.03927.1	525	19997	0	474	491	96 -	1	491	18432	18916
UN12998	Rsa1.0.03318.1	1552	23780	0	410	427	96 +	1119	1545	4296	4722
UN12999	Rsa1.0.00059.1	1330	159650	0	349	357	97 +	1	355	131062	131418
UN13000	Rsa1.0.00389.1	621	88795	5.00E-79	168	174	96 +	151	324	63738	63911
UN13001	Rsa1.0.00816.1	975	403350	4.00E-93	340	396	85 -	606	972	368893	369285
UN13002	Rsa1.0.03134.1	1255	145023	0	412	413	99 -	843	1255	130404	130816
UN13003	Rsa1.0.09270.1	786	6513	0	432	440	98 -	3	442	888	1327
UN13004	Rsa1.0.00437.1	1136	84879	0	428	444	96 +	693	1136	23633	24072
UN13005	Rsa1.0.00018.1	548	410899	1.00E-113	232	238	97 -	14	249	175470	175706
UN13006	Rsa1.0.07021.1	1068	10016	1.00E-133	315	343	91 +	336	666	7093	7426
UN13007	Rsa1.0.00125.1	896	253043	1.00E-157	350	372	94 -	62	433	994	1363
UN13008	Rsa1.0.01136.1	655	52724	2.00E-97	219	229	95 +	3	225	32169	32396
UN13009	Rsa1.0.00175.1	1356	166121	0	674	701	96 +	642	1342	85418	86113
UN13010	Rsa1.0.00105.1	1146	134138	0	385	395	97 +	3	391	126959	127353
UN13011	Rsa1.0.00425.1	1063	147080	0	542	562	96 -	348	909	75128	75689
UN13012	Rsa1.0.00588.1	1252	73939	1.00E-165	381	402	94 +	846	1242	19134	19528
UN13013	Rsa1.0.03543.1	1323	22185	0	494	511	96 -	96	603	3871	4378
UN13014	Rsa1.0.42837.1	730	524	3.00E-93	201	206	97 -	528	730	78	283
UN13015	Rsa1.0.00273.1	780	326186	5.00E-98	289	321	90 -	467	780	307766	308084
UN13016	Rsa1.0.00387.1	627	495407	0	441	457	96 -	172	627	382640	383092
UN13017	Rsa1.0.17794.1	896	1740	1.00E-119	254	265	95 +	632	896	1	264
UN13018	Rsa1.0.00037.1	1267	307838	0	448	467	95 -	803	1267	241190	241654
UN13019	Rsa1.0.00206.1	1387	109040	0	1077	1129	95 -	30	1144	28660	29786
UN13020	Rsa1.0.02921.1	1938	26779	0	1469	1501	97 +	460	1938	23735	25235
UN13021	Rsa1.0.01163.1	1536	51946	1.00E-158	305	310	98 -	1	308	16052	16359
UN13022	Rsa1.0.00069.1	852	403561	0	341	341	100 -	2	342	200655	200995
UN13023	Rsa1.0.08553.1	1748	7210	1.00E-134	253	256	98 -	582	837	1103	1358
UN13024	Rsa1.0.00440.1	851	84723	1.00E-136	278	288	96 +	1	288	25114	25398

UN13025	Rsa1.0.00480.1	1429	81325	0	471	480	98 +	361	837	4323	4802
UN13026	Rsa1.0.01453.1	2020	45449	0	1114	1114	100 +	907	2020	5322	6435
UN13027	Rsa1.0.02493.1	570	30854	0	429	432	99 +	139	570	6059	6490
UN13028	Rsa1.0.02215.1	1364	33822	0	368	371	99 -	3	372	27836	28206
UN13029	Rsa1.0.13994.1	1136	3941	1.00E-176	346	357	96 -	285	641	1610	1966
UN13030	Rsa1.0.03195.1	1648	24673	0	485	506	95 -	29	534	9107	9605
UN13031	Rsa1.0.08557.1	1338	7199	1.00E-126	279	297	93 +	3	299	4756	5042
UN13032	Rsa1.0.03356.1	1024	23487	0	402	413	97 -	4	414	1225	1637
UN13033	Rsa1.0.00427.1	1177	189678	1.00E-142	262	264	99 +	707	970	37925	38188
UN13034	Rsa1.0.04301.1	1431	18022	0	464	474	97 -	864	1337	16876	17344
UN13035	Rsa1.0.00070.1	1028	150321	0	578	588	98 +	1	587	59029	59616
UN13036	Rsa1.0.00008.1	1366	358124	0	810	889	91 +	496	1366	277916	278786
UN13037	Rsa1.0.00518.1	799	78360	1.00E-126	233	234	99 -	3	236	20635	20868
UN13038	Rsa1.0.00863.1	1031	254535	0	387	391	98 -	1	391	213547	213933
UN13039	Rsa1.0.00324.1	1438	218805	0	1389	1446	96 -	2	1432	214977	216417
UN13040	Rsa1.0.14069.1	1184	3842	0	811	835	97 -	351	1180	1982	2810
UN13041	Rsa1.0.00522.1	1148	78103	2.00E-98	207	215	96 +	355	569	48991	49205
UN13042	Rsa1.0.04142.1	740	18861	0	416	434	95 -	8	441	13126	13554
UN13043	Rsa1.0.39426.1	1887	570	0	459	461	99 +	1427	1887	46	506
UN13044	Rsa1.0.00662.1	983	192183	0	671	701	95 -	241	941	182411	183105
UN13045	Rsa1.0.00759.1	964	65465	1.00E-108	268	289	92 -	2	290	63157	63435
UN13046	Rsa1.0.00244.1	949	103590	1.00E-144	292	302	96 +	7	306	29923	30224
UN13047	Rsa1.0.00006.1	1042	396176	0	1039	1041	99 -	3	1042	2835	3875
UN13048	Rsa1.0.10165.1	937	5966	0	413	427	96 -	18	444	365	790
UN13049	Rsa1.0.00484.1	3026	203294	0	1628	1649	98 +	566	2214	140171	141818
UN13050	Rsa1.0.00017.1	1401	752458	0	543	574	94 -	825	1384	743125	743692
UN13051	Rsa1.0.32561.1	1574	699	1.00E-165	311	315	98 +	1	314	385	699
UN13052	Rsa1.0.00229.1	1293	105471	1.00E-176	316	317	99 +	937	1253	43350	43666
UN13053	Rsa1.0.05573.1	1382	13290	0	472	493	95 -	26	509	4157	4646
UN13054	Rsa1.0.00642.1	1454	201230	0	473	477	99 -	977	1452	62495	62971
UN13055	Rsa1.0.05208.1	625	14504	1.00E-153	317	331	95 +	295	625	3908	4234
UN13056	Rsa1.0.03189.1	559	24710	0	421	435	96 -	1	423	9173	9607
UN13057	Rsa1.0.01932.1	1232	37177	1.00E-137	265	270	98 -	966	1232	10970	11239
UN13058	Rsa1.0.00108.1	968	478491	1.00E-126	283	296	95 +	102	390	67372	67663
UN13059	Rsa1.0.00009.1	959	232558	1.00E-135	344	369	93 +	582	937	53021	53382
UN13060	Rsa1.0.06509.1	1049	10873	1.00E-133	254	258	98 -	228	485	6323	6580
UN13061	Rsa1.0.00814.1	1214	63073	0	746	758	98 -	22	778	2802	3557
UN13062	Rsa1.0.02723.1	593	28408	0	342	342	100 -	250	591	2561	2902
UN13063	Rsa1.0.01397.1	1513	183276	0	1131	1146	98 -	3	1148	162124	163267

UN13064	Rsa1.0.00045.1	988	328694	0	429	446	96 -	543	988	131773	132215
UN13065	Rsa1.0.02534.1	997	30396	1.00E-143	261	262	99 -	2	263	5455	5716
UN13066	Rsa1.0.00473.1	1429	212204	1.00E-160	348	367	94 -	1063	1427	47338	47700
UN13067	Rsa1.0.05748.1	916	12749	1.00E-154	313	324	96 +	100	422	6628	6951
UN13068	Rsa1.0.00079.1	2926	606987	0	856	898	95 -	1281	2157	467327	468224
UN13069	Rsa1.0.00264.1	1811	101674	0	408	416	98 -	1097	1512	78413	78828
UN13070	Rsa1.0.02913.1	1070	26816	0	501	501	100 -	570	1070	22091	22591
UN13071	Rsa1.0.00995.1	1754	57243	0	635	643	98 +	1112	1754	21109	21751
UN13072	Rsa1.0.02001.1	848	36198	0	507	515	98 -	2	516	31940	32449
UN13073	Rsa1.0.06273.1	907	11346	0	905	905	100 -	3	907	2931	3835
UN13074	Rsa1.0.08957.1	805	6754	0	515	528	97 +	279	804	5841	6366
UN13075	Rsa1.0.02991.1	705	26178	0	381	391	97 +	306	696	21112	21502
UN13076	Rsa1.0.02229.1	852	33672	0	392	405	96 -	3	407	17849	18253
UN13077	Rsa1.0.02128.1	1352	34758	0	348	348	100 -	3	350	16324	16671
UN13078	Rsa1.0.00287.1	952	98687	0	427	432	98 +	406	837	57224	57655
UN13079	Rsa1.0.04456.1	742	17260	1.00E-157	284	285	99 +	458	742	7706	7990
UN13080	Rsa1.0.00343.1	817	93570	0	530	532	99 +	287	817	84281	84812
UN13081	Rsa1.0.00198.1	1659	222963	0	464	491	94 +	1	485	141259	141746
UN13082	Rsa1.0.01220.1	1484	161775	1.00E-100	196	199	98 -	1030	1228	122655	122853
UN13083	Rsa1.0.00354.1	1134	232005	1.00E-139	270	276	97 -	831	1106	6914	7184
UN13084	Rsa1.0.01295.1	1739	49040	1.00E-156	299	305	98 -	865	1169	23660	23964
UN13085	Rsa1.0.00380.1	849	89748	0	664	692	95 +	160	847	83924	84610
UN13086	Rsa1.0.03740.1	769	21065	0	597	618	96 +	152	767	14480	15091
UN13087	Rsa1.0.00386.1	1515	89134	1.00E-124	248	254	97 -	3	256	67826	68078
UN13088	Rsa1.0.03692.1	570	21338	1.00E-112	244	255	95 -	316	570	6377	6627
UN13089	Rsa1.0.00328.1	1170	224661	1.00E-124	249	256	97 -	915	1167	217156	217411
UN13090	Rsa1.0.00020.1	1495	283099	1.00E-167	374	395	94 +	17	402	60874	61265
UN13091	Rsa1.0.03356.1	2300	23487	0	1345	1383	97 -	538	1912	5698	7080
UN13092	Rsa1.0.00419.1	1272	86562	0	1090	1108	98 -	1	1108	69863	70970
UN13093	Rsa1.0.01166.1	1806	51877	0	632	634	99 -	554	1187	10072	10705
UN13094	Rsa1.0.00316.1	1165	96264	0	590	590	100 -	576	1165	57225	57814
UN13095	Rsa1.0.02872.1	1123	27080	0	538	542	99 -	582	1123	11208	11749
UN13096	Rsa1.0.00734.1	1623	66508	1.00E-164	297	298	99 +	836	1133	59680	59977
UN13097	Rsa1.0.00800.1	649	63868	1.00E-176	365	379	96 +	14	390	19313	19688
UN13098	Rsa1.0.00082.1	1308	237584	1.00E-117	230	235	97 -	497	731	133924	134158
UN13099	Rsa1.0.00507.1	1219	79074	1.00E-157	303	310	97 -	759	1068	42905	43214
UN13100	Rsa1.0.01166.1	1467	51877	0	638	648	98 +	1	647	9132	9779
UN13101	Rsa1.0.01296.1	1621	49035	0	337	339	99 +	5	343	5249	5587
UN13102	Rsa1.0.00451.1	1630	322533	0	476	482	98 -	632	1113	161726	162207

UN13103	Rsa1.0.00026.1	671	327835	1.00E-113	224	228	98 -	442	669	206641	206867
UN13104	Rsa1.0.00556.1	1219	207212	0	422	422	100 -	790	1211	137353	137774
UN13105	Rsa1.0.00296.1	1198	97854	1.00E-161	367	392	93 -	814	1196	51437	51825
UN13106	Rsa1.0.01188.1	1973	51362	0	776	790	98 -	1084	1870	46093	46882
UN13107	Rsa1.0.00413.1	786	86921	1.00E-168	320	326	98 -	5	330	10794	11117
UN13108	Rsa1.0.04014.1	876	19572	0	862	876	98 -	1	876	11437	12306
UN13109	Rsa1.0.00422.1	1089	86144	0	531	541	98 +	1	540	12755	13294
UN13110	Rsa1.0.02477.1	777	31058	0	417	421	99 -	1	418	13987	14407
UN13111	Rsa1.0.00168.1	1347	115870	2.33E-156	303	316	95 -	344	659	56550	56865
UN13112	Rsa1.0.05622.1	1339	13145	0	518	550	94 +	804	1339	3628	4175
UN13113	Rsa1.0.00557.1	758	75865	1.00E-143	276	281	98 +	20	300	16136	16415
UN13114	Rsa1.0.01239.1	1227	50107	0	1199	1217	98 +	7	1223	19332	20546
UN13115	Rsa1.0.00222.1	1314	172263	0	391	394	99 -	921	1314	17043	17436
UN13116	Rsa1.0.02105.1	871	156953	0	476	508	93 -	365	869	150672	151165
UN13117	Rsa1.0.00728.1	842	66704	0	383	396	96 -	1	395	36897	37288
UN13118	Rsa1.0.03279.1	1241	24115	0	620	622	99 -	3	624	7808	8428
UN13119	Rsa1.0.00075.1	2801	146680	0	1704	1801	94 -	1003	2787	140465	142244
UN13120	Rsa1.0.04378.1	819	17651	0	352	354	99 +	331	684	4630	4983
UN13121	Rsa1.0.00019.1	1953	301669	0	543	544	99 -	1408	1950	218690	219233
UN13122	Rsa1.0.02369.1	635	32075	0	483	507	95 +	133	635	5009	5511
UN13123	Rsa1.0.00454.1	895	216970	0	868	893	97 +	5	895	158096	158987
UN13124	Rsa1.0.01185.1	1686	149842	0	425	426	99 -	1260	1685	126522	126947
UN13125	Rsa1.0.01559.1	1263	43262	1.00E-123	333	365	91 +	6	361	20498	20858
UN13126	Rsa1.0.00015.1	1116	561803	1.00E-129	246	249	98 +	3	251	461863	462109
UN13127	Rsa1.0.02756.1	1710	28202	1.00E-175	315	316	99 +	1082	1397	22631	22946
UN13128	Rsa1.0.03299.1	1369	23949	0	476	500	95 -	11	510	14331	14817
UN13129	Rsa1.0.00108.1	1246	478491	0	487	491	99 +	756	1245	383773	384263
UN13130	Rsa1.0.01537.1	973	187285	0	356	358	99 -	617	973	38620	38977
UN13131	Rsa1.0.03054.1	1097	25738	1.00E-160	338	354	95 +	3	344	13554	13907
UN13132	Rsa1.0.01850.1	1547	162224	0	479	484	98 +	867	1350	1286	1768
UN13133	Rsa1.0.00139.1	815	357786	0	810	815	99 -	1	815	141376	142190
UN13134	Rsa1.0.02991.1	773	26178	0	427	438	97 -	3	436	21112	21549
UN13135	Rsa1.0.00045.1	642	328694	3.00E-93	190	194	97 -	449	642	148699	148891
UN13136	Rsa1.0.02946.1	1498	26537	0	928	951	97 +	549	1497	857	1804
UN13137	Rsa1.0.01153.1	1171	52264	0	386	390	98 +	1	390	42506	42893
UN13138	Rsa1.0.04095.1	1172	19095	1.00E-177	344	353	97 +	823	1172	12377	12729
UN13139	Rsa1.0.52681.1	1383	432	0	334	334	100 -	95	428	99	432
UN13140	Rsa1.0.08994.1	929	6724	0	432	447	96 +	477	920	3405	3848
UN13141	Rsa1.0.07617.1	1853	9015	0	1837	1870	98 -	1	1853	2166	4032

UN13142	Rsa1.0.21865.1	853	1168	0	543	548	99 -	154	701	1	548
UN13143	Rsa1.0.00645.1	1621	189716	1.00E-149	272	273	99 +	1349	1621	148716	148988
UN13144	Rsa1.0.00675.1	1020	145590	0	764	764	100 +	1	764	30711	31474
UN13145	Rsa1.0.05510.1	894	13470	1.00E-107	215	221	97 -	121	341	2743	2963
UN13146	Rsa1.0.00198.1	776	222963	1.00E-151	286	291	98 +	136	426	123127	123417
UN13147	Rsa1.0.00482.1	1554	81162	1.00E-164	294	294	100 +	1260	1553	2254	2547
UN13148	Rsa1.0.23933.1	962	1016	1.00E-110	209	211	99 +	752	962	195	405
UN13149	Rsa1.0.00001.1	1069	363028	0	479	483	99 -	3	485	335254	335733
UN13150	Rsa1.0.01249.1	788	188432	1.00E-131	279	293	95 -	506	788	150744	151035
UN13151	Rsa1.0.02901.1	910	26909	1.00E-119	310	337	91 +	575	905	21294	21623
UN13152	Rsa1.0.00398.1	986	88007	0	553	578	95 +	422	986	86395	86970
UN13153	Rsa1.0.02802.1	1433	27736	0	620	656	94 -	719	1355	10025	10678
UN13154	Rsa1.0.00410.1	767	86957	1.00E-119	258	269	95 +	471	737	26432	26699
UN13155	Rsa1.0.02043.1	882	163754	1.00E-147	278	282	98 +	2	280	144930	145211
UN13156	Rsa1.0.03491.1	748	22541	0	585	606	96 +	114	711	8983	9586
UN13157	Rsa1.0.01075.1	1213	156953	0	338	342	98 +	872	1213	23855	24196
UN13158	Rsa1.0.41964.1	835	535	1.00E-124	235	237	99 +	599	835	1	235
UN13159	Rsa1.0.00847.1	996	62270	0	409	434	94 +	568	993	55145	55578
UN13160	Rsa1.0.09273.1	1091	6511	1.00E-147	317	333	95 +	1	323	12	344
UN13161	Rsa1.0.00083.1	1189	442773	0	481	494	97 -	19	509	252723	253215
UN13162	Rsa1.0.04489.1	833	17145	1.00E-150	269	269	100 -	2	270	14197	14465
UN13163	Rsa1.0.03194.1	744	24674	1.00E-142	256	256	100 -	3	258	3262	3517
UN13164	Rsa1.0.00416.1	1020	86772	1.00E-158	295	299	98 -	720	1018	76128	76426
UN13165	Rsa1.0.00030.1	410	250988	1.00E-136	253	254	99 -	157	410	149392	149644
UN13166	Rsa1.0.01220.1	880	161775	1.00E-159	298	301	99 +	4	304	115836	116135
UN13167	Rsa1.0.18356.1	1055	1615	1.00E-165	324	333	97 +	663	995	177	506
UN13168	Rsa1.0.00652.1	857	70089	1.00E-133	277	287	96 +	1	285	59423	59707
UN13169	Rsa1.0.00478.1	785	81419	1.00E-141	258	259	99 +	1	259	28165	28423
UN13170	Rsa1.0.02605.1	1151	29637	0	585	611	95 +	556	1151	25931	26538
UN13171	Rsa1.0.02367.1	421	32106	1.00E-127	242	246	98 -	1	246	27423	27668
UN13172	Rsa1.0.00200.1	961	162016	1.00E-133	297	315	94 -	16	327	96962	97276
UN13173	Rsa1.0.00012.1	1007	222148	1.00E-137	277	286	96 +	1	286	69093	69375
UN13174	Rsa1.0.01554.1	951	43379	0	925	950	97 +	1	950	21188	22136
UN13175	Rsa1.0.02874.1	1236	27070	0	924	948	97 -	202	1146	4410	5357
UN13176	Rsa1.0.01425.1	1283	46136	0	423	427	99 -	857	1283	15494	15919
UN13177	Rsa1.0.02032.1	1129	35830	1.00E-160	292	294	99 -	128	421	5322	5615
UN13178	Rsa1.0.04192.1	1040	18572	0	711	714	99 +	1	714	12150	12863
UN13179	Rsa1.0.04894.1	1002	15569	1.00E-178	372	390	95 -	3	392	11339	11725
UN13180	Rsa1.0.05541.1	1130	139959	1.00E-144	295	307	96 -	824	1130	2801	3107

UN13181	Rsa1.0.07657.1	754	8896	1.00E-165	347	359	96 -	7	357	3516	3874
UN13182	Rsa1.0.09211.1	1634	6556	1.00E-164	296	297	99 -	1134	1430	2282	2578
UN13183	Rsa1.0.00017.1	1536	752458	0	348	352	98 -	3	352	292600	292951
UN13184	Rsa1.0.00132.1	1371	124299	0	1323	1370	96 +	3	1371	52478	53838
UN13185	Rsa1.0.18611.1	1343	1565	0	431	457	94 +	875	1330	957	1409
UN13186	Rsa1.0.01850.1	1115	162224	0	356	361	98 -	5	365	31714	32072
UN13187	Rsa1.0.02053.1	1835	35554	0	431	435	99 +	1400	1834	3919	4353
UN13188	Rsa1.0.00231.1	1425	105381	0	396	396	100 -	1	396	20793	21188
UN13189	Rsa1.0.00344.1	1148	191774	0	550	618	88 -	1	608	108987	109569
UN13190	Rsa1.0.00439.1	1205	142776	0	340	340	100 +	416	755	63119	63458
UN13191	Rsa1.0.01958.1	1047	261128	0	385	398	96 +	1	394	119341	119737
UN13192	Rsa1.0.13229.1	1146	4963	1.00E-175	317	319	99 -	1	319	4414	4732
UN13193	Rsa1.0.05293.1	1439	14237	0	455	486	93 +	59	543	6250	6730
UN13194	Rsa1.0.02435.1	887	31454	1.00E-178	326	329	99 +	3	331	19857	20185
UN13195	Rsa1.0.08265.1	940	7630	0	489	494	98 +	2	494	6565	7058
UN13196	Rsa1.0.03920.1	943	20081	0	619	626	98 -	316	941	13862	14483
UN13197	Rsa1.0.03258.1	808	24302	1.00E-101	221	230	96 -	580	805	11081	11310
UN13198	Rsa1.0.01242.1	981	50066	1.00E-166	320	328	97 +	1	328	16424	16745
UN13199	Rsa1.0.01247.1	1086	49934	0	745	747	99 +	340	1086	45105	45851
UN13200	Rsa1.0.02213.1	1773	33824	0	468	481	97 -	1293	1773	28386	28861
UN13201	Rsa1.0.02825.1	1043	27568	0	510	556	91 -	434	973	25954	26506
UN13202	Rsa1.0.00115.1	2501	131321	0	805	815	98 -	972	1785	48839	49653
UN13203	Rsa1.0.00011.1	1246	225044	0	581	584	99 +	326	909	203328	203911
UN13204	Rsa1.0.00221.1	911	106972	0	345	347	99 +	1	347	51591	51937
UN13205	Rsa1.0.00802.1	1186	63846	1.00E-176	390	414	94 +	7	409	56790	57203
UN13206	Rsa1.0.03524.1	1458	22297	0	682	706	96 -	4	709	14064	14763
UN13207	Rsa1.0.04352.1	662	17779	0	546	549	99 +	114	662	12118	12666
UN13208	Rsa1.0.01964.1	889	36702	0	442	454	97 +	1	454	9330	9776
UN13209	Rsa1.0.00557.1	864	75865	1.00E-147	308	321	95 +	1	318	74489	74807
UN13210	Rsa1.0.00219.1	947	106983	0	425	443	95 +	501	943	67201	67641
UN13211	Rsa1.0.01068.1	912	55208	1.00E-148	282	287	98 -	365	651	46100	46386
UN13212	Rsa1.0.00194.1	1352	110851	0	664	668	99 +	685	1352	54321	54988
UN13213	Rsa1.0.00107.1	855	431659	1.00E-155	284	286	99 +	1	286	180720	181005
UN13214	Rsa1.0.00302.1	1487	97521	0	371	372	99 +	1	372	33875	34246
UN13215	Rsa1.0.02451.1	801	31283	1.00E-170	383	411	93 -	1	407	8148	8548
UN13216	Rsa1.0.00556.1	832	207212	0	815	832	97 -	1	831	14861	15689
UN13217	Rsa1.0.02387.1	913	31890	0	524	553	94 -	1	539	17300	17847
UN13218	Rsa1.0.01206.1	1950	50772	0	1100	1108	99 -	478	1585	33971	35078
UN13219	Rsa1.0.01633.1	1085	41868	0	427	430	99 +	656	1083	3035	3464

UN13220	Rsa1.0.03088.1	539	25476	0	399	410	97 -	8	416	500	909
UN13221	Rsa1.0.00197.1	1107	109714	0	648	672	96 -	439	1107	73165	73828
UN13222	Rsa1.0.00035.1	1632	176449	1.00E-168	323	329	98 -	1304	1632	3179	3506
UN13223	Rsa1.0.26044.1	786	908	0	452	454	99 -	2	455	1	454
UN13224	Rsa1.0.02170.1	1078	34352	0	541	541	100 +	536	1076	28526	29066
UN13225	Rsa1.0.09242.1	851	6534	0	461	464	99 +	1	464	957	1420
UN13226	Rsa1.0.07825.1	1566	8466	0	573	581	98 +	3	583	1349	1929
UN13227	Rsa1.0.00698.1	808	67816	0	596	645	92 -	179	808	21764	22408
UN13228	Rsa1.0.02098.1	1301	35032	0	560	600	93 -	719	1299	751	1349
UN13229	Rsa1.0.11534.1	922	5477	0	488	490	99 -	433	922	1236	1725
UN13230	Rsa1.0.08001.1	2403	8095	0	533	535	99 -	1192	1725	1559	2092
UN13231	Rsa1.0.02074.1	1933	35370	0	513	513	100 -	2	514	17905	18417
UN13232	Rsa1.0.00250.1	2055	273771	0	487	491	99 +	37	525	4510	5000
UN13233	Rsa1.0.11046.1	1307	5635	1.00E-149	314	326	96 +	986	1307	3092	3415
UN13234	Rsa1.0.05624.1	739	13140	1.00E-126	392	447	87 -	284	722	3783	4199
UN13235	Rsa1.0.00250.1	1228	273771	1.00E-100	241	258	93 +	1	257	60326	60583
UN13236	Rsa1.0.01274.1	1005	49419	1.00E-170	332	341	97 +	7	344	30800	31140
UN13237	Rsa1.0.07482.1	1325	9278	0	669	677	98 -	1	677	1002	1677
UN13238	Rsa1.0.00314.1	2114	96472	0	479	494	96 +	750	1243	36322	36815
UN13239	Rsa1.0.01317.1	1916	48287	0	672	697	96 -	21	709	38419	39109
UN13240	Rsa1.0.00728.1	1169	66704	0	360	361	99 +	1	361	15830	16190
UN13241	Rsa1.0.10640.1	1868	5772	0	727	760	95 -	619	1367	1603	2359
UN13242	Rsa1.0.00805.1	1815	63724	0	431	439	98 -	10	447	43181	43619
UN13243	Rsa1.0.00102.1	738	135497	0	549	569	96 -	170	738	40804	41372
UN13244	Rsa1.0.02412.1	1200	31643	0	721	738	97 -	3	740	14291	15025
UN13245	Rsa1.0.00048.1	771	167185	0	400	400	100 +	372	771	13591	13990
UN13246	Rsa1.0.14855.1	1372	3011	0	673	674	99 +	282	955	1310	1983
UN13247	Rsa1.0.01094.1	1620	167285	0	478	518	92 -	1094	1596	163031	163547
UN13248	Rsa1.0.01294.1	1276	49090	1.00E-163	334	346	96 +	933	1274	40470	40815
UN13249	Rsa1.0.00327.1	1053	94892	0	568	568	100 +	435	1002	62360	62927
UN13250	Rsa1.0.21783.1	1000	1173	0	497	519	95 -	3	521	165	679
UN13251	Rsa1.0.00636.1	1851	71113	0	678	702	96 +	14	711	15978	16679
UN13252	Rsa1.0.01739.1	1120	40068	0	1095	1120	97 +	1	1120	13347	14460
UN13253	Rsa1.0.01251.1	1097	49873	0	490	494	99 -	1	494	7549	8042
UN13254	Rsa1.0.07916.1	1194	8288	1.00E-174	392	413	94 -	789	1194	4336	4744
UN13255	Rsa1.0.06571.1	932	10750	1.00E-150	296	305	97 +	626	930	6156	6460
UN13256	Rsa1.0.00055.1	1284	520193	0	921	921	100 -	1	921	163773	164693
UN13257	Rsa1.0.00025.1	903	277312	1.00E-114	213	214	99 -	305	518	157157	157370
UN13258	Rsa1.0.00333.1	1217	94500	0	546	561	97 +	314	874	22948	23506

UN13259	Rsa1.0.01641.1	1736	188213	0	1720	1742	98 -	2	1736	161019	162760
UN13260	Rsa1.0.02420.1	853	31580	0	848	851	99 -	3	853	15881	16729
UN13261	Rsa1.0.00114.1	1037	131330	1.00E-145	261	261	100 +	2	262	127550	127810
UN13262	Rsa1.0.01536.1	878	43747	0	873	876	99 -	1	876	39096	39969
UN13263	Rsa1.0.00740.1	1198	215972	0	565	575	98 -	621	1195	11277	11848
UN13264	Rsa1.0.14637.1	1388	3201	0	1149	1184	97 +	32	1213	2018	3201
UN13265	Rsa1.0.01215.1	1049	166813	0	371	373	99 -	677	1049	9634	10006
UN13266	Rsa1.0.00093.1	648	214962	1.00E-152	276	277	99 +	372	648	48814	49090
UN13267	Rsa1.0.03123.1	1373	25207	0	1367	1370	99 -	3	1372	13492	14861
UN13268	Rsa1.0.01730.1	632	40223	1.00E-105	248	261	95 -	373	632	36577	36828
UN13269	Rsa1.0.17409.1	1132	1837	0	1011	1029	98 +	2	1030	101	1121
UN13270	Rsa1.0.34877.1	1178	649	1.00E-118	217	217	100 +	1	217	361	577
UN13271	Rsa1.0.00358.1	1834	91293	0	454	454	100 +	3	456	32086	32539
UN13272	Rsa1.0.00123.1	850	325650	0	538	540	99 +	311	850	237191	237730
UN13273	Rsa1.0.02543.1	1879	30302	0	375	380	98 -	5	382	3749	4126
UN13274	Rsa1.0.00832.1	854	62622	1.00E-163	334	343	97 +	513	854	41378	41717
UN13275	Rsa1.0.00777.1	963	191865	0	424	436	97 -	168	603	128527	128962
UN13276	Rsa1.0.03898.1	1635	20183	0	1256	1261	99 -	3	1262	5249	6508
UN13277	Rsa1.0.10495.1	1374	5827	0	414	417	99 -	1	417	55	471
UN13278	Rsa1.0.14555.1	1609	3273	1.00E-156	295	300	98 -	1310	1609	576	875
UN13279	Rsa1.0.03009.1	1105	26065	1.00E-130	239	240	99 -	757	996	15478	15717
UN13280	Rsa1.0.05166.1	926	14624	1.00E-128	281	295	95 +	37	328	13068	13361
UN13281	Rsa1.0.00301.1	495	365315	0	493	495	99 -	1	495	283377	283871
UN13282	Rsa1.0.05355.1	757	14069	0	597	613	97 +	145	753	4534	5146
UN13283	Rsa1.0.00019.1	733	301669	1.00E-169	400	430	93 -	293	722	293080	293498
UN13284	Rsa1.0.02085.1	1490	35198	2.00E-83	237	266	89 -	1060	1325	30157	30404
UN13285	Rsa1.0.02253.1	1277	33356	1.00E-101	245	260	94 +	1021	1273	25657	25915
UN13286	Rsa1.0.00870.1	1628	61606	1.00E-131	292	307	95 +	3	308	24761	25066
UN13287	Rsa1.0.00027.1	1894	283362	0	1512	1557	97 -	1	1556	182584	184135
UN13288	Rsa1.0.00959.1	1365	58202	0	762	791	96 +	577	1364	16920	17710
UN13289	Rsa1.0.05908.1	1331	12266	0	1315	1329	98 +	1	1329	10166	11493
UN13290	Rsa1.0.00122.1	1169	265937	0	723	739	97 +	429	1167	82124	82856
UN13291	Rsa1.0.00398.1	1267	88007	0	523	541	96 +	2	538	40985	41523
UN13292	Rsa1.0.00070.1	1013	150321	0	460	465	98 +	549	1013	55838	56300
UN13293	Rsa1.0.04708.1	1191	16286	1.00E-134	246	247	99 +	3	249	15877	16123
UN13294	Rsa1.0.03191.1	1189	145762	0	674	686	98 +	502	1187	134735	135420
UN13295	Rsa1.0.00054.1	1243	162053	0	363	369	98 -	875	1243	92464	92831
UN13296	Rsa1.0.01679.1	1061	146876	0	415	434	95 -	635	1061	122875	123308
UN13297	Rsa1.0.02626.1	918	29387	0	446	448	99 -	471	918	22846	23293

UN13298	Rsa1.0.02207.1	1107	33914	0	470	483	97 -	627	1107	13535	14011
UN13299	Rsa1.0.00037.1	1118	307838	0	701	731	95 -	374	1095	293298	294022
UN13300	Rsa1.0.00198.1	1036	222963	0	369	374	98 -	663	1036	154810	155180
UN13301	Rsa1.0.03044.1	1334	25791	1.00E-144	299	308	97 -	1012	1319	14324	14628
UN13302	Rsa1.0.00732.1	1177	66631	1.00E-172	334	343	97 +	1	343	1781	2123
UN13303	Rsa1.0.02343.1	493	32374	1.00E-125	243	247	98 +	3	249	1007	1252
UN13304	Rsa1.0.00350.1	2245	92346	0	324	324	100 +	47	370	61927	62250
UN13305	Rsa1.0.00468.1	1749	82095	0	591	605	97 -	3	604	36533	37137
UN13306	Rsa1.0.01193.1	1553	51147	0	349	354	98 +	1200	1553	15709	16060
UN13307	Rsa1.0.00065.1	1470	454616	1.00E-153	282	283	99 -	1	283	448185	448466
UN13308	Rsa1.0.00394.1	966	148426	1.00E-166	327	333	98 -	633	964	122810	123140
UN13309	Rsa1.0.08120.1	1520	7876	0	428	447	95 -	1081	1518	6672	7117
UN13310	Rsa1.0.01100.1	1538	54113	0	645	654	98 -	2	655	34687	35337
UN13311	Rsa1.0.00419.1	896	86562	0	886	898	98 +	3	895	55548	56445
UN13312	Rsa1.0.03822.1	1038	20640	1.00E-179	334	339	98 -	698	1036	13557	13895
UN13313	Rsa1.0.00077.1	923	145005	0	558	566	98 -	361	923	38535	39099
UN13314	Rsa1.0.03820.1	1768	20664	1.00E-115	211	211	100 +	42	252	5379	5589
UN13315	Rsa1.0.00191.1	920	316976	0	411	424	96 -	318	735	259268	259691
UN13316	Rsa1.0.02750.1	1548	28239	1.00E-136	267	273	97 +	1	270	25620	25892
UN13317	Rsa1.0.02843.1	1240	27383	0	574	577	99 +	664	1240	23792	24368
UN13318	Rsa1.0.00001.1	1218	363028	1.00E-175	320	323	99 +	894	1216	91340	91662
UN13319	Rsa1.0.00382.1	1465	251946	0	696	716	97 +	264	979	45007	45712
UN13320	Rsa1.0.01679.1	1320	146876	1.00E-81	286	331	86 -	1004	1319	134936	135247
UN13321	Rsa1.0.00585.1	952	74164	0	446	446	100 +	505	950	53696	54141
UN13322	Rsa1.0.00804.1	1256	63726	0	789	797	98 +	1	797	36763	37558
UN13323	Rsa1.0.01140.1	1168	52586	0	698	730	95 -	450	1162	6369	7094
UN13324	Rsa1.0.06004.1	932	11961	1.00E-173	327	333	98 -	596	928	7369	7701
UN13325	Rsa1.0.01019.1	989	56636	1.00E-164	300	302	99 +	669	970	45455	45756
UN13326	Rsa1.0.00017.1	992	752458	0	645	647	99 -	346	992	235957	236603
UN13327	Rsa1.0.01425.1	1527	46136	0	429	438	97 -	1093	1527	10898	11335
UN13328	Rsa1.0.00490.1	1515	186713	0	410	430	95 -	1	428	39915	40340
UN13329	Rsa1.0.01316.1	884	48325	1.00E-119	278	293	94 +	1	290	5498	5788
UN13330	Rsa1.0.00045.1	769	328694	1.00E-156	311	319	97 +	1	316	148573	148891
UN13331	Rsa1.0.04033.1	1455	19481	0	503	507	99 +	259	765	9206	9712
UN13332	Rsa1.0.00104.1	1347	368722	2.00E-92	205	212	96 -	1120	1329	18552	18761
UN13333	Rsa1.0.02536.1	1317	30368	0	1279	1319	96 -	2	1317	19445	20754
UN13334	Rsa1.0.23167.1	1453	1067	0	550	554	99 -	898	1451	345	898
UN13335	Rsa1.0.00045.1	1687	328694	0	555	580	95 -	1070	1642	261133	261705
UN13336	Rsa1.0.03334.1	1009	23659	1.00E-106	247	265	93 +	3	254	18787	19051

UN13337	Rsa1.0_00938.1	1454	193891	0	635	638	99 -	1	637	172122	172759
UN13338	Rsa1.0_00006.1	1389	396176	1.00E-167	308	311	99 +	1079	1389	94003	94313
UN13339	Rsa1.0_00111.1	1943	390088	0	382	394	96 -	1245	1638	381107	381500
UN13340	Rsa1.0_01701.1	959	162121	0	532	538	98 -	3	540	30943	31479
UN13341	Rsa1.0_01981.1	688	36537	0	402	424	94 -	3	425	34741	35156
UN13342	Rsa1.0_00034.1	1278	260119	1.00E-177	316	316	100 -	1	316	6537	6852
UN13343	Rsa1.0_01456.1	884	45372	0	878	882	99 +	3	884	25881	26762
UN13344	Rsa1.0_03387.1	2390	23278	0	671	681	98 +	385	1065	19355	20035
UN13345	Rsa1.0_00035.1	2901	176449	0	870	876	99 +	1368	2243	148096	148971
UN13346	Rsa1.0_00220.1	1042	192936	0	424	432	98 +	374	802	16394	16825
UN13347	Rsa1.0_00890.1	809	323870	1.00E-158	391	427	91 -	80	506	176492	176918
UN13348	Rsa1.0_00418.1	1172	215377	5.00E-99	196	200	98 -	968	1167	40452	40651
UN13349	Rsa1.0_00090.1	1891	273859	1.00E-135	257	261	98 -	1565	1825	184220	184480
UN13350	Rsa1.0_00705.1	1063	67505	0	705	712	99 -	342	1053	9366	10076
UN13351	Rsa1.0_00097.1	1825	138858	0	591	595	99 +	821	1415	21443	22037
UN13352	Rsa1.0_10656.1	921	5768	1.00E-176	569	652	87 +	96	745	3949	4598
UN13353	Rsa1.0_00540.1	1361	76895	1.00E-179	318	318	100 +	1043	1360	33148	33465
UN13354	Rsa1.0_00190.1	995	318240	0	374	384	97 +	1	384	134843	135221
UN13355	Rsa1.0_08255.1	1659	7652	0	407	407	100 -	52	458	2723	3129
UN13356	Rsa1.0_00261.1	1330	151157	0	696	702	99 -	5	706	2607	3308
UN13357	Rsa1.0_16170.1	807	2258	1.00E-105	289	315	91 -	495	799	1231	1542
UN13358	Rsa1.0_02236.1	1322	33558	0	476	476	100 +	845	1320	14207	14682
UN13359	Rsa1.0_00697.1	1561	67913	0	594	602	98 +	376	977	51202	51802
UN13360	Rsa1.0_00453.1	915	83031	0	427	434	98 +	483	914	19304	19734
UN13361	Rsa1.0_00222.1	1695	172263	0	897	897	100 +	797	1693	146662	147558
UN13362	Rsa1.0_00345.1	954	93226	0	354	357	99 +	595	951	85769	86122
UN13363	Rsa1.0_02879.1	1684	27047	0	485	485	100 +	1194	1678	18068	18552
UN13364	Rsa1.0_00232.1	941	104936	1.00E-179	319	319	100 -	2	320	38388	38706
UN13365	Rsa1.0_00249.1	779	153740	1.00E-126	272	286	95 +	1	286	52903	53188
UN13366	Rsa1.0_01387.1	812	46745	1.00E-169	310	313	99 +	499	811	46152	46464
UN13367	Rsa1.0_01376.1	1046	47004	1.00E-153	339	360	94 -	1	357	29440	29789
UN13368	Rsa1.0_00630.1	1148	71281	0	920	956	96 +	209	1146	23790	24743
UN13369	Rsa1.0_01402.1	1109	46509	0	772	788	97 +	1	787	17539	18325
UN13370	Rsa1.0_00198.1	1453	222963	0	362	374	96 -	1081	1453	40461	40834
UN13371	Rsa1.0_04477.1	1002	17183	3.00E-78	200	213	93 -	743	950	5320	5529
UN13372	Rsa1.0_01079.1	1315	54753	0	579	585	98 +	3	587	477	1061
UN13373	Rsa1.0_01116.1	788	142088	0	727	727	100 +	5	731	129729	130455
UN13374	Rsa1.0_00663.1	1127	164969	1.00E-128	236	237	99 -	891	1127	14189	14425
UN13375	Rsa1.0_00009.1	2171	232558	0	956	971	98 -	851	1812	71154	72124

UN13376	Rsa1.0_00991.1	1078	143101	0	455	474	95 +	1	471	133487	133957
UN13377	Rsa1.0_01919.1	939	37272	0	501	514	97 +	1	512	3478	3991
UN13378	Rsa1.0_01838.1	1768	38500	0	482	490	98 +	592	1081	21713	22202
UN13379	Rsa1.0_03567.1	725	22049	0	465	465	100 -	259	723	3399	3863
UN13380	Rsa1.0_03185.1	1404	24739	1.00E-121	260	273	95 +	2	268	7473	7745
UN13381	Rsa1.0_06619.1	1415	10650	1.00E-164	382	406	94 +	426	824	1125	1518
UN13382	Rsa1.0_02288.1	1447	32984	1.00E-173	339	351	96 +	1107	1447	18618	18968
UN13383	Rsa1.0_00340.1	765	305782	0	726	760	95 +	3	762	173360	174118
UN13384	Rsa1.0_00079.1	1238	606987	0	374	382	97 +	801	1181	22253	22631
UN13385	Rsa1.0_10853.1	935	5700	0	350	352	99 +	8	358	1602	1953
UN13386	Rsa1.0_00064.1	946	240927	1.00E-136	268	274	97 +	673	946	170881	171153
UN13387	Rsa1.0_00008.1	1396	358124	0	783	801	97 -	216	1015	67789	68584
UN13388	Rsa1.0_03089.1	940	25465	0	377	382	98 -	1	382	8730	9111
UN13389	Rsa1.0_01777.1	1199	39511	0	381	400	95 +	801	1199	13918	14303
UN13390	Rsa1.0_00058.1	1284	159921	0	380	381	99 -	1	381	116921	117301
UN13391	Rsa1.0_00195.1	1290	251884	0	852	855	99 +	436	1290	85458	86312
UN13392	Rsa1.0_00520.1	1628	78226	0	1532	1540	99 -	88	1627	19279	20818
UN13393	Rsa1.0_02508.1	1042	30675	0	628	655	95 +	406	1041	24669	25323
UN13394	Rsa1.0_00019.1	1488	301669	0	458	463	98 +	1	462	64804	65266
UN13395	Rsa1.0_04911.1	1315	15483	0	422	427	98 +	6	432	7719	8143
UN13396	Rsa1.0_00546.1	818	76523	0	543	549	98 -	270	818	12515	13063
UN13397	Rsa1.0_02929.1	822	26673	1.00E-109	248	262	94 -	1	262	20275	20531
UN13398	Rsa1.0_00773.1	1514	64839	0	439	455	96 +	1061	1514	32802	33252
UN13399	Rsa1.0_01707.1	1281	40686	0	452	460	98 -	821	1280	7606	8065
UN13400	Rsa1.0_00437.1	1321	84879	0	637	648	98 +	603	1250	55056	55702
UN13401	Rsa1.0_00088.1	926	141341	1.00E-142	269	272	98 -	3	274	108001	108271
UN13402	Rsa1.0_00027.1	947	283362	1.00E-151	310	322	96 +	624	945	275355	275674
UN13403	Rsa1.0_01923.1	1035	37233	0	328	329	99 +	695	1023	36457	36785
UN13404	Rsa1.0_01494.1	2546	44641	0	1812	1852	97 +	705	2545	5834	7683
UN13405	Rsa1.0_02518.1	1084	30586	0	335	337	99 +	2	338	27755	28091
UN13406	Rsa1.0_00087.1	784	761073	1.00E-100	188	189	99 -	596	784	278160	278348
UN13407	Rsa1.0_00030.1	976	250988	1.00E-128	242	245	98 -	270	514	156217	156461
UN13408	Rsa1.0_00111.1	874	390088	0	642	644	99 +	2	645	383564	384207
UN13409	Rsa1.0_00651.1	1070	247766	0	738	760	97 -	318	1070	105172	105930
UN13410	Rsa1.0_00092.1	933	659932	7.00E-36	235	281	83 +	594	868	163749	164024
UN13411	Rsa1.0_00417.1	1284	395068	0	389	399	97 +	889	1283	376170	376568
UN13412	Rsa1.0_00451.1	775	322533	0	740	743	99 +	33	773	318149	318891
UN13413	Rsa1.0_01014.1	845	56762	6.00E-95	183	185	98 -	12	196	43013	43197
UN13414	Rsa1.0_01469.1	1599	45139	0	397	398	99 -	1203	1599	17649	18046

UN13415	Rsa1.0.22190.1	565	1143	1.00E-115	232	238	97 -	328	565	908	1143
UN13416	Rsa1.0.00123.1	1303	325650	0	751	766	98 -	538	1301	284045	284809
UN13417	Rsa1.0.06333.1	1162	11217	2.33E-156	319	334	95 -	807	1139	2122	2452
UN13418	Rsa1.0.01140.1	1101	52586	0	676	687	98 +	3	686	6409	7094
UN13419	Rsa1.0.00049.1	1160	167018	0	1128	1162	97 +	2	1160	74527	75688
UN13420	Rsa1.0.01648.1	1155	41635	0	1136	1141	99 +	11	1147	5972	7112
UN13421	Rsa1.0.01217.1	1531	50554	0	1466	1512	96 -	4	1509	46734	48238
UN13422	Rsa1.0.00058.1	1316	159921	0	341	342	99 -	976	1316	46523	46864
UN13423	Rsa1.0.01540.1	1780	151890	1.00E-176	463	507	91 -	1034	1539	127704	128198
UN13424	Rsa1.0.01331.1	1232	47944	0	416	422	98 -	813	1232	29232	29653
UN13425	Rsa1.0.00038.1	1428	314568	0	721	728	99 +	703	1427	158194	158921
UN13426	Rsa1.0.02660.1	1279	28969	1.00E-160	313	320	97 -	3	319	12641	12959
UN13427	Rsa1.0.00323.1	1463	159650	0	1429	1461	97 -	3	1463	134581	136036
UN13428	Rsa1.0.00121.1	874	278029	1.00E-117	230	235	97 -	634	868	59505	59739
UN13429	Rsa1.0.02492.1	746	30859	1.00E-166	353	368	95 +	379	745	12178	12542
UN13430	Rsa1.0.00028.1	2072	293984	1.00E-159	348	361	96 +	336	692	20828	21185
UN13431	Rsa1.0.02272.1	973	33131	0	528	550	96 +	427	972	26860	27409
UN13432	Rsa1.0.00008.1	1334	358124	0	758	773	98 +	378	1147	287628	288397
UN13433	Rsa1.0.00741.1	1368	66117	0	516	538	95 -	341	878	60657	61194
UN13434	Rsa1.0.04064.1	703	19297	0	473	483	97 +	222	703	18501	18981
UN13435	Rsa1.0.09725.1	673	6186	0	369	372	99 -	302	673	944	1315
UN13436	Rsa1.0.01875.1	536	37849	1.00E-158	292	295	98 +	240	534	25879	26173
UN13437	Rsa1.0.00039.1	1510	296927	0	596	608	98 -	901	1508	11841	12448
UN13438	Rsa1.0.06133.1	1167	11663	1.00E-172	306	306	100 +	614	919	8879	9184
UN13439	Rsa1.0.01016.1	1398	181422	0	369	378	97 +	1022	1398	164149	164526
UN13440	Rsa1.0.02392.1	779	152517	0	752	778	96 +	3	779	29654	30422
UN13441	Rsa1.0.01274.1	400	49419	2.00E-83	235	259	90 +	149	400	21348	21599
UN13442	Rsa1.0.04205.1	778	138772	0	435	436	99 -	343	778	133814	134249
UN13443	Rsa1.0.00205.1	857	193401	1.00E-124	241	246	97 +	291	536	98206	98451
UN13444	Rsa1.0.01516.1	1441	44196	1.00E-136	331	354	93 +	940	1291	23523	23873
UN13445	Rsa1.0.01707.1	1158	40686	0	391	401	97 -	338	738	25818	26218
UN13446	Rsa1.0.08927.1	1970	6782	0	799	868	92 +	1121	1967	87	949
UN13447	Rsa1.0.00467.1	1313	156542	0	566	566	100 +	748	1313	77638	78203
UN13448	Rsa1.0.00648.1	912	70351	1.00E-163	301	303	99 +	608	910	24866	25166
UN13449	Rsa1.0.01609.1	1116	42280	0	1107	1111	99 +	3	1113	25585	26693
UN13450	Rsa1.0.13888.1	974	4146	1.00E-154	276	276	100 -	699	974	3871	4146
UN13451	Rsa1.0.00817.1	920	62961	0	493	507	97 -	374	879	53828	54331
UN13452	Rsa1.0.05494.1	1023	13547	0	499	505	98 -	519	1023	7600	8102
UN13453	Rsa1.0.05489.1	1345	13562	0	551	564	97 +	393	956	6625	7188

UN13454	Rsa1.0_00808.1	1160	63351	0	427	431	99 -	675	1105	35075	35505
UN13455	Rsa1.0_00484.1	1252	203294	0	407	420	96 -	770	1189	127050	127468
UN13456	Rsa1.0_02043.1	1991	163754	0	607	631	96 +	348	973	140557	141184
UN13457	Rsa1.0_04116.1	767	18971	0	423	430	98 +	3	432	612	1041
UN13458	Rsa1.0_01595.1	574	175383	1.00E-178	317	317	100 +	2	318	41015	41331
UN13459	Rsa1.0_00240.1	1060	104175	1.00E-173	309	309	100 +	752	1060	69794	70102
UN13460	Rsa1.0_00970.1	1350	57994	0	946	950	99 +	90	1039	18920	19869
UN13461	Rsa1.0_00476.1	1340	280966	1.00E-148	292	298	97 +	3	300	236929	237223
UN13462	Rsa1.0_00354.1	1525	232005	0	476	494	96 +	2	488	197353	197846
UN13463	Rsa1.0_01743.1	1099	39926	1.00E-176	334	340	98 -	1	340	15993	16330
UN13464	Rsa1.0_01950.1	533	36950	0	394	405	97 +	128	532	7846	8247
UN13465	Rsa1.0_16368.1	1539	2175	0	940	951	98 -	586	1535	315	1265
UN13466	Rsa1.0_06615.1	1802	10659	0	724	744	97 -	156	889	9364	10107
UN13467	Rsa1.0_02487.1	1533	30928	0	849	858	98 -	1	857	22194	23048
UN13468	Rsa1.0_01335.1	2043	47894	1.00E-121	235	238	98 +	656	892	430	667
UN13469	Rsa1.0_01078.1	1211	316910	1.00E-164	322	330	97 -	3	331	290400	290729
UN13470	Rsa1.0_14292.1	1429	3569	0	492	494	99 +	16	509	7	500
UN13471	Rsa1.0_08003.1	887	8094	1.00E-139	251	251	100 +	197	447	5286	5536
UN13472	Rsa1.0_03873.1	732	20360	5.00E-98	273	306	89 +	443	731	9247	9541
UN13473	Rsa1.0_01945.1	1446	36989	0	1360	1445	94 +	6	1446	25694	27124
UN13474	Rsa1.0_02378.1	1041	31991	1.00E-178	368	383	96 -	659	1038	12955	13336
UN13475	Rsa1.0_12942.1	980	5068	1.00E-176	326	330	98 -	651	980	1312	1641
UN13476	Rsa1.0_03694.1	908	21336	0	656	661	99 +	220	876	549	1209
UN13477	Rsa1.0_00459.1	955	82580	0	508	509	99 +	1	509	40992	41500
UN13478	Rsa1.0_00827.1	1452	62790	0	398	421	94 -	1044	1452	49150	49567
UN13479	Rsa1.0_10868.1	1533	5695	1.00E-172	348	358	97 -	1166	1522	1661	2015
UN13480	Rsa1.0_01842.1	903	38430	0	387	392	98 -	472	863	2281	2670
UN13481	Rsa1.0_00977.1	860	198001	1.00E-106	205	207	99 +	3	207	197674	197880
UN13482	Rsa1.0_00630.1	913	71281	0	496	514	96 +	1	510	63634	64143
UN13483	Rsa1.0_00093.1	847	214962	0	838	840	99 -	6	845	83901	84740
UN13484	Rsa1.0_00974.1	684	57893	0	534	538	99 -	147	683	38809	39346
UN13485	Rsa1.0_03375.1	612	23332	2.00E-69	134	134	100 -	1	134	7874	8007
UN13486	Rsa1.0_00868.1	746	61630	0	366	367	99 -	249	615	46733	47099
UN13487	Rsa1.0_02074.1	1889	35370	0	666	697	95 +	7	692	33161	33857
UN13488	Rsa1.0_01889.1	634	37562	1.00E-153	293	298	98 -	1	298	23938	24234
UN13489	Rsa1.0_04234.1	642	18378	1.00E-107	237	250	94 +	393	642	8210	8459
UN13490	Rsa1.0_01537.1	965	187285	0	736	748	98 -	217	964	33372	34119
UN13491	Rsa1.0_03216.1	925	24540	8.00E-82	267	302	88 -	623	916	12029	12330
UN13492	Rsa1.0_01855.1	946	38204	0	929	942	98 -	5	945	6567	7508

UN13493	Rsa1.0.08003.1	890	8094	1.00E-132	261	267	97 -	625	890	6154	6420
UN13494	Rsa1.0.01909.1	1085	37417	1.00E-151	274	275	99 -	1	275	13	287
UN13495	Rsa1.0.02052.1	939	35555	0	347	353	98 -	5	357	20165	20517
UN13496	Rsa1.0.01220.1	1770	161775	0	496	518	95 +	1	506	11304	11819
UN13497	Rsa1.0.00105.1	1320	134138	0	462	466	99 +	1	465	126890	127353
UN13498	Rsa1.0.02855.1	1406	27271	0	420	420	100 -	920	1339	10359	10778
UN13499	Rsa1.0.36951.1	1028	610	0	385	386	99 -	3	388	1	386
UN13500	Rsa1.0.04293.1	1400	18046	1.00E-172	338	346	97 -	5	350	11123	11465
UN13501	Rsa1.0.00351.1	855	413096	1.00E-135	289	303	95 -	2	304	269242	269542
UN13502	Rsa1.0.02690.1	1034	28629	1.00E-127	254	259	98 +	775	1033	17941	18197
UN13503	Rsa1.0.04462.1	6364	17250	0	1030	1088	94 +	5036	6121	6961	8026
UN13504	Rsa1.0.02185.1	749	34150	0	725	749	96 -	3	749	27251	27988
UN13505	Rsa1.0.00132.1	1369	124299	0	1298	1346	96 -	3	1342	52496	53834
UN13506	Rsa1.0.01958.1	1135	261128	1.00E-118	261	275	94 +	3	277	111078	111349
UN13507	Rsa1.0.04379.1	1195	17646	1.00E-173	347	356	97 +	1	354	16744	17097
UN13508	Rsa1.0.05049.1	1115	15025	1.00E-163	387	418	92 +	1	416	8807	9209
UN13509	Rsa1.0.02304.1	727	32793	1.00E-108	206	207	99 -	519	724	17374	17580
UN13510	Rsa1.0.03053.1	1412	25745	0	451	452	99 -	1	452	24134	24585
UN13511	Rsa1.0.00341.1	1000	249309	1.00E-153	274	274	100 +	727	1000	6828	7101
UN13512	Rsa1.0.01031.1	1080	56236	0	385	398	96 -	683	1080	17186	17573
UN13513	Rsa1.0.01286.1	1357	49209	1.00E-136	287	298	96 +	1060	1357	39922	40212
UN13514	Rsa1.0.64913.1	993	353	1.00E-163	304	308	98 -	596	903	37	344
UN13515	Rsa1.0.00419.1	1379	86562	0	489	526	92 +	105	629	15539	16064
UN13516	Rsa1.0.00752.1	1530	65756	0	405	420	96 -	813	1230	35504	35920
UN13517	Rsa1.0.00317.1	994	218290	1.00E-104	249	266	93 +	37	294	72658	72921
UN13518	Rsa1.0.01251.1	1229	49873	1.00E-107	197	197	100 +	1	197	7949	8145
UN13519	Rsa1.0.00339.1	1068	222974	0	650	659	98 +	137	795	4477	5135
UN13520	Rsa1.0.01730.1	787	40223	5.00E-92	207	217	95 -	7	221	26029	26242
UN13521	Rsa1.0.00191.1	2532	316976	0	583	584	99 +	942	1525	133763	134346
UN13522	Rsa1.0.07334.1	1452	9547	0	393	397	98 +	1057	1452	683	1079
UN13523	Rsa1.0.00216.1	851	197563	0	376	380	98 -	472	851	187821	188199
UN13524	Rsa1.0.00252.1	1371	102760	0	446	453	98 -	921	1370	93584	94036
UN13525	Rsa1.0.00119.1	1148	467509	1.00E-165	307	310	99 +	1	310	32133	32440
UN13526	Rsa1.0.00891.1	1250	60724	0	587	590	99 +	4	593	54503	55091
UN13527	Rsa1.0.00173.1	1070	288743	0	551	553	99 -	518	1070	29272	29824
UN13528	Rsa1.0.26211.1	664	901	1.00E-111	231	239	96 +	6	242	133	371
UN13529	Rsa1.0.12442.1	1121	5225	1.00E-105	204	207	98 -	317	523	163	369
UN13530	Rsa1.0.06892.1	919	10197	0	354	362	97 +	505	866	9775	10136
UN13531	Rsa1.0.00307.1	1568	199003	0	888	916	96 +	6	921	5352	6260

UN13532	Rsa1.0.03291.1	810	24000	0	377	378	99 +	9	386	18131	18508
UN13533	Rsa1.0.00586.1	1848	163802	0	425	427	99 +	623	1049	153732	154158
UN13534	Rsa1.0.01190.1	1547	194501	0	885	895	98 +	653	1546	10236	11130
UN13535	Rsa1.0.00482.1	1161	81162	0	390	398	97 -	765	1161	60320	60717
UN13536	Rsa1.0.00092.1	1276	659932	0	471	488	96 +	81	568	20395	20882
UN13537	Rsa1.0.17040.1	607	1944	0	384	399	96 +	157	549	1207	1605
UN13538	Rsa1.0.00604.1	773	146282	1.00E-106	240	255	94 -	6	260	113696	113950
UN13539	Rsa1.0.00779.1	925	64568	0	919	923	99 -	3	925	49345	50267
UN13540	Rsa1.0.00131.1	1252	432233	0	582	606	96 +	636	1241	34864	35463
UN13541	Rsa1.0.13999.1	1436	3934	1.00E-167	344	357	96 -	1077	1433	1805	2157
UN13542	Rsa1.0.04338.1	1216	17840	0	334	334	100 +	883	1216	12133	12466
UN13543	Rsa1.0.01177.1	1476	51572	0	354	355	99 +	1	355	47173	47527
UN13544	Rsa1.0.00108.1	1300	478491	1.00E-168	333	342	97 +	964	1300	467659	467996
UN13545	Rsa1.0.03365.1	827	23410	0	819	832	98 -	1	827	12912	13740
UN13546	Rsa1.0.08677.1	1499	7048	1.00E-167	325	334	97 -	1164	1497	2193	2526
UN13547	Rsa1.0.14674.1	1746	3167	1.00E-136	360	393	91 -	1	386	372	760
UN13548	Rsa1.0.01499.1	1239	44555	1.00E-175	332	339	97 +	1	339	14518	14856
UN13549	Rsa1.0.01115.1	1064	183545	0	418	440	95 -	1	434	6514	6952
UN13550	Rsa1.0.18154.1	799	1655	4.00E-80	158	160	98 -	527	686	1333	1492
UN13551	Rsa1.0.01431.1	712	167877	0	404	405	99 +	308	711	12009	12413
UN13552	Rsa1.0.00889.1	1413	60978	0	686	696	98 +	716	1411	55897	56592
UN13553	Rsa1.0.00608.1	1455	172672	0	815	817	99 -	638	1454	163142	163958
UN13554	Rsa1.0.00678.1	486	193163	4.00E-67	133	134	99 -	353	486	24426	24559
UN13555	Rsa1.0.14087.1	819	3821	0	680	702	96 -	107	804	1455	2153
UN13556	Rsa1.0.02345.1	825	32337	0	361	364	99 -	464	825	385	747
UN13557	Rsa1.0.00292.1	714	98141	9.00E-75	158	162	97 -	42	201	21932	22093
UN13558	Rsa1.0.03818.1	1236	20668	1.00E-106	203	205	99 -	726	930	10042	10246
UN13559	Rsa1.0.00979.1	1406	57733	0	333	336	99 -	1069	1404	40278	40613
UN13560	Rsa1.0.00180.1	855	114581	1.00E-135	253	256	98 -	534	789	62118	62373
UN13561	Rsa1.0.04063.1	1207	19300	1.00E-149	283	285	99 +	3	286	12085	12368
UN13562	Rsa1.0.01521.1	1093	142147	1.00E-141	260	262	99 -	360	621	7693	7954
UN13563	Rsa1.0.03334.1	946	23659	1.00E-150	273	274	99 -	1	274	20257	20530
UN13564	Rsa1.0.00933.1	1382	59164	0	341	342	99 +	1039	1379	2856	3197
UN13565	Rsa1.0.00910.1	1491	59975	0	550	563	97 -	931	1491	49138	49700
UN13566	Rsa1.0.00804.1	1363	63726	0	459	465	98 +	1	464	21629	22092
UN13567	Rsa1.0.01440.1	972	45807	0	479	493	97 +	470	954	19323	19815
UN13568	Rsa1.0.02233.1	1615	33658	0	675	707	95 +	225	931	2790	3496
UN13569	Rsa1.0.02605.1	762	29637	1.00E-138	276	285	96 +	3	287	12918	13202
UN13570	Rsa1.0.35458.1	1301	638	1.00E-132	270	276	97 -	1025	1299	365	638

UN13571	Rsa1.0.00055.1	715	520193	0	346	351	98 -	365	715	153888	154237
UN13572	Rsa1.0.01119.1	1272	53459	1.00E-114	216	218	99 +	708	925	23345	23562
UN13573	Rsa1.0.03890.1	993	20223	0	973	995	97 -	1	993	1392	2384
UN13574	Rsa1.0.01172.1	904	51734	1.00E-171	321	326	98 -	282	607	6286	6607
UN13575	Rsa1.0.00222.1	1220	172263	0	789	816	96 +	410	1220	65105	65915
UN13576	Rsa1.0.01684.1	1186	41044	3.00E-29	160	187	85 +	184	363	5126	5311
UN13577	Rsa1.0.02020.1	1600	173211	0	1046	1088	96 -	512	1596	139262	140348
UN13578	Rsa1.0.10836.1	1180	5707	0	892	929	96 -	4	923	4133	5061
UN13579	Rsa1.0.00805.1	3718	63724	0	391	396	98 +	2985	3379	11592	11987
UN13580	Rsa1.0.02581.1	1481	29896	0	736	747	98 -	1	747	11138	11882
UN13581	Rsa1.0.00630.1	1653	71281	0	500	505	99 +	1027	1530	18575	19078
UN13582	Rsa1.0.00568.1	1012	75219	0	771	795	96 -	215	1007	1873	2658
UN13583	Rsa1.0.02295.1	1665	149884	0	761	797	95 +	177	968	118181	118968
UN13584	Rsa1.0.00387.1	1216	495407	0	909	909	100 +	308	1216	409522	410430
UN13585	Rsa1.0.01067.1	1193	55230	1.00E-117	232	235	98 -	959	1193	4545	4777
UN13586	Rsa1.0.00066.1	1235	152418	0	1218	1233	98 +	1	1233	35808	37040
UN13587	Rsa1.0.02146.1	873	34625	0	740	764	96 +	110	872	17172	17931
UN13588	Rsa1.0.18413.1	1020	1603	0	362	367	98 +	251	617	1151	1517
UN13589	Rsa1.0.00052.1	1007	162771	1.00E-120	249	259	96 +	101	359	57659	57917
UN13590	Rsa1.0.02200.1	1773	33981	0	364	364	100 +	1408	1771	10438	10801
UN13591	Rsa1.0.00688.1	1412	68396	0	592	602	98 +	811	1412	37596	38197
UN13592	Rsa1.0.00562.1	1994	75565	0	1417	1440	98 -	1	1436	5411	6850
UN13593	Rsa1.0.04892.1	1492	15573	0	370	381	97 -	1052	1430	6086	6463
UN13594	Rsa1.0.05200.1	556	14522	1.00E-142	256	256	100 -	301	556	7534	7789
UN13595	Rsa1.0.00175.1	1575	166121	1.00E-156	286	288	99 +	1288	1575	28735	29022
UN13596	Rsa1.0.00122.1	1009	265937	0	870	874	99 +	136	1009	239355	240227
UN13597	Rsa1.0.01030.1	1196	56290	1.00E-144	294	304	96 +	893	1196	40732	41029
UN13598	Rsa1.0.10890.1	924	5688	0	844	857	98 -	1	857	1	856
UN13599	Rsa1.0.00728.1	919	66704	1.00E-172	354	366	96 -	553	918	15828	16190
UN13600	Rsa1.0.28780.1	1558	803	0	423	423	100 +	1135	1557	1	423
UN13601	Rsa1.0.00065.1	1001	454616	1.00E-156	324	332	97 +	1	330	243703	244031
UN13602	Rsa1.0.02139.1	876	34686	2.33E-156	346	370	93 -	509	876	5545	5912
UN13603	Rsa1.0.03235.1	1099	24442	0	610	624	97 +	477	1099	14818	15441
UN13604	Rsa1.0.00128.1	1265	228675	0	383	390	98 +	876	1265	135383	135767
UN13605	Rsa1.0.02070.1	1344	158516	1.00E-130	261	268	97 +	2	268	16293	16560
UN13606	Rsa1.0.05569.1	1117	13311	0	731	742	98 -	375	1116	2710	3451
UN13607	Rsa1.0.00002.1	923	601661	0	692	724	95 -	7	726	231774	232495
UN13608	Rsa1.0.01313.1	1259	48387	0	463	472	98 -	789	1259	506	977
UN13609	Rsa1.0.00273.1	1903	326186	0	619	629	98 -	503	1131	137570	138198

UN13610	Rsa1.0_00342.1	1337	93695	0	735	735	100 +	3	737	12430	13164
UN13611	Rsa1.0_01220.1	869	161775	1.00E-131	289	304	95 -	564	867	115836	116135
UN13612	Rsa1.0_00002.1	2100	601661	0	505	509	99 -	1	509	138033	138540
UN13613	Rsa1.0_07877.1	1107	8373	6.00E-77	147	147	100 +	238	384	4515	4661
UN13614	Rsa1.0_18628.1	1618	1562	0	1006	1011	99 -	608	1618	346	1355
UN13615	Rsa1.0_00064.1	1515	240927	0	888	906	98 -	1	906	65164	66069
UN13616	Rsa1.0_05745.1	1597	12750	0	1041	1055	98 +	541	1595	7883	8937
UN13617	Rsa1.0_00252.1	1282	102760	0	360	372	96 +	911	1282	44777	45148
UN13618	Rsa1.0_00090.1	807	273859	1.00E-119	236	242	97 -	3	244	41355	41596
UN13619	Rsa1.0_01209.1	936	50668	0	585	593	98 -	344	936	48588	49180
UN13620	Rsa1.0_09067.1	1057	6672	1.00E-120	234	239	97 -	3	241	4293	4531
UN13621	Rsa1.0_00048.1	1581	167185	0	411	416	98 +	2	417	154805	155219
UN13622	Rsa1.0_00015.1	1141	561803	1.00E-140	322	346	93 +	1	346	190551	190878
UN13623	Rsa1.0_04223.1	935	18407	1.00E-148	348	374	93 +	1	374	9455	9816
UN13624	Rsa1.0_02456.1	803	31222	1.00E-127	277	290	95 +	1	290	23723	24004
UN13625	Rsa1.0_00339.1	891	222974	5.00E-80	158	160	98 +	648	807	63385	63544
UN13626	Rsa1.0_01048.1	1773	55684	0	913	914	99 -	1	914	44113	45026
UN13627	Rsa1.0_01789.1	1030	39250	0	501	522	95 +	283	804	9785	10306
UN13628	Rsa1.0_00363.1	1163	90968	0	432	461	93 -	700	1160	9266	9713
UN13629	Rsa1.0_14319.1	1149	3529	1.00E-172	488	548	89 -	267	814	2316	2860
UN13630	Rsa1.0_00154.1	1702	189461	0	331	333	99 -	1370	1702	41236	41568
UN13631	Rsa1.0_00407.1	1098	191544	0	840	873	96 +	2	869	155496	156357
UN13632	Rsa1.0_01091.1	1240	54383	0	1214	1237	98 +	4	1239	49136	50372
UN13633	Rsa1.0_08072.1	1083	7955	1.00E-151	319	330	96 +	3	331	6001	6326
UN13634	Rsa1.0_00017.1	1136	752458	2.00E-77	148	148	100 -	764	911	603348	603495
UN13635	Rsa1.0_01540.1	1229	151890	1.00E-104	213	220	96 +	781	1000	129408	129627
UN13636	Rsa1.0_00127.1	1371	127446	0	771	808	95 +	492	1298	102847	103654
UN13637	Rsa1.0_01493.1	1377	44670	0	379	381	99 -	1	380	7846	8226
UN13638	Rsa1.0_01485.1	872	44797	0	861	875	98 -	1	872	50	924
UN13639	Rsa1.0_01872.1	676	37908	3.00E-96	217	227	95 -	1	226	16038	16258
UN13640	Rsa1.0_18254.1	1454	1636	1.00E-151	329	347	94 +	1	334	682	1024
UN13641	Rsa1.0_00933.1	1323	59164	0	498	502	99 -	819	1320	52183	52684
UN13642	Rsa1.0_00033.1	1228	515811	0	349	352	99 -	1	350	131617	131968
UN13643	Rsa1.0_00152.1	1461	257730	0	821	848	96 +	618	1459	59089	59936
UN13644	Rsa1.0_05235.1	830	14421	0	405	411	98 -	425	830	10660	11070
UN13645	Rsa1.0_00841.1	1537	183065	0	777	786	98 +	2	787	48464	49248
UN13646	Rsa1.0_01198.1	834	51029	0	827	831	99 +	1	831	25776	26606
UN13647	Rsa1.0_02192.1	1828	171291	0	441	463	95 +	1283	1736	12268	12724
UN13648	Rsa1.0_00064.1	1716	240927	0	413	422	97 +	767	1183	60195	60615

UN13649	Rsa1.0_10168.1	1118	5964	1.00E-144	262	263	99 -	4	266	934	1196
UN13650	Rsa1.0_03826.1	1248	20614	0	805	805	100 -	3	807	16090	16894
UN13651	Rsa1.0_00101.1	1033	267193	1.00E-124	283	299	94 -	735	1032	131413	131700
UN13652	Rsa1.0_07622.1	903	9012	0	560	560	100 -	344	903	4238	4797
UN13653	Rsa1.0_00675.1	1235	145590	0	351	359	97 -	1	359	144665	145019
UN13654	Rsa1.0_06887.1	873	10208	1.00E-159	297	301	98 +	24	324	4091	4391
UN13655	Rsa1.0_00819.1	1502	62918	0	1312	1389	94 +	13	1388	3643	5030
UN13656	Rsa1.0_03570.1	1116	22040	0	444	461	96 +	657	1116	9422	9875
UN13657	Rsa1.0_04097.1	1481	19090	0	660	683	96 -	1	682	6602	7283
UN13658	Rsa1.0_00705.1	1018	67505	1.00E-144	277	283	97 +	105	387	53881	54163
UN13659	Rsa1.0_00625.1	1078	71672	0	602	616	97 -	465	1077	14860	15475
UN13660	Rsa1.0_00627.1	1039	71566	0	360	362	99 -	8	369	63662	64023
UN13661	Rsa1.0_01670.1	1333	41260	1.00E-101	200	204	98 -	1031	1234	25218	25421
UN13662	Rsa1.0_00948.1	589	58620	1.00E-104	199	201	99 +	134	334	50390	50590
UN13663	Rsa1.0_00991.1	1425	143101	0	404	404	100 -	105	508	142698	143101
UN13664	Rsa1.0_00697.1	766	67913	1.00E-174	372	392	94 +	3	394	59555	59944
UN13665	Rsa1.0_00385.1	1178	89160	0	567	569	99 +	3	569	47346	47914
UN13666	Rsa1.0_02916.1	1488	26809	1.00E-177	324	327	99 +	329	655	4488	4814
UN13667	Rsa1.0_02568.1	1234	30015	0	615	615	100 -	618	1232	9866	10480
UN13668	Rsa1.0_07464.1	1053	9328	1.00E-151	352	375	93 +	682	1053	4	377
UN13669	Rsa1.0_00624.1	957	71773	1.00E-126	232	233	99 +	477	709	20764	20996
UN13670	Rsa1.0_42545.1	1182	527	0	341	344	99 -	8	351	1	344
UN13671	Rsa1.0_05950.1	832	12130	1.00E-111	222	228	97 -	297	524	2709	2936
UN13672	Rsa1.0_00197.1	1274	109714	1.00E-168	342	356	96 +	535	890	36533	36888
UN13673	Rsa1.0_04933.1	910	15410	0	631	650	97 -	1	649	6309	6958
UN13674	Rsa1.0_04325.1	1508	17885	0	382	382	100 +	4	385	13661	14042
UN13675	Rsa1.0_04220.1	843	18421	0	516	517	99 -	328	843	9466	9982
UN13676	Rsa1.0_00048.1	772	167185	0	469	489	95 +	2	474	154732	155219
UN13677	Rsa1.0_05570.1	744	13301	0	458	467	98 -	279	744	6801	7266
UN13678	Rsa1.0_00017.1	908	752458	0	456	461	98 -	450	908	412583	413043
UN13679	Rsa1.0_00095.1	717	283384	0	633	645	98 -	2	645	96617	97258
UN13680	Rsa1.0_13767.1	951	4361	0	451	466	96 -	431	896	653	1118
UN13681	Rsa1.0_08280.1	1015	7610	0	974	1007	96 +	1	1006	753	1755
UN13682	Rsa1.0_00324.1	1131	218805	1.00E-133	270	278	97 +	855	1131	189680	189957
UN13683	Rsa1.0_03669.1	886	147114	0	763	791	96 +	102	886	20525	21309
UN13684	Rsa1.0_14348.1	953	3490	1.00E-142	307	320	95 +	637	953	1994	2313
UN13685	Rsa1.0_01773.1	1529	39546	0	666	674	98 -	3	675	4503	5174
UN13686	Rsa1.0_00087.1	673	761073	1.00E-174	318	320	99 -	1	318	217289	217608
UN13687	Rsa1.0_00387.1	2181	495407	0	551	564	97 -	1011	1574	396750	397310

UN13688	Rsa1.0.00273.1	1569	326186	0	855	864	98 +	1	859	237423	238286
UN13689	Rsa1.0.11510.1	1275	5482	0	626	635	98 +	643	1274	4642	5276
UN13690	Rsa1.0.07974.1	656	8147	1.00E-177	326	330	98 -	327	656	6368	6697
UN13691	Rsa1.0.02027.1	1259	35869	1.00E-167	328	334	98 +	1	331	10181	10513
UN13692	Rsa1.0.01540.1	1321	151890	1.00E-152	274	274	100 -	1048	1321	127925	128198
UN13693	Rsa1.0.00381.1	1253	89718	1.00E-160	287	287	100 -	3	289	73706	73992
UN13694	Rsa1.0.14436.1	1640	3393	0	522	540	96 -	1106	1637	2252	2791
UN13695	Rsa1.0.01881.1	892	37721	0	841	871	96 -	24	890	16713	17578
UN13696	Rsa1.0.00440.1	1039	84723	1.00E-150	305	316	96 -	722	1037	25086	25398
UN13697	Rsa1.0.00067.1	1696	415055	1.00E-120	226	228	99 +	1	228	40082	40309
UN13698	Rsa1.0.05217.1	1090	142938	0	417	440	94 -	655	1084	136328	136763
UN13699	Rsa1.0.01836.1	1037	38503	1.00E-162	346	364	95 -	675	1035	2184	2547
UN13700	Rsa1.0.01171.1	1165	51752	0	402	413	97 +	755	1165	50943	51352
UN13701	Rsa1.0.42713.1	972	526	0	413	414	99 +	560	972	1	414
UN13702	Rsa1.0.04310.1	1451	17994	1.00E-157	290	293	98 -	438	730	1739	2031
UN13703	Rsa1.0.00602.1	1759	73302	1.00E-112	219	223	98 +	621	843	39855	40077
UN13704	Rsa1.0.01164.1	2667	51934	0	551	552	99 +	1697	2248	14403	14954
UN13705	Rsa1.0.13438.1	1260	4828	2.33E-156	275	279	98 -	982	1260	943	1221
UN13706	Rsa1.0.00191.1	1455	316976	0	1241	1277	97 +	2	1278	265865	267134
UN13707	Rsa1.0.00456.1	580	82826	0	540	557	96 +	30	578	24528	25082
UN13708	Rsa1.0.00263.1	1534	224968	0	456	460	99 -	1067	1526	6735	7191
UN13709	Rsa1.0.05311.1	1250	14181	0	656	666	98 +	583	1248	6590	7248
UN13710	Rsa1.0.00022.1	846	200461	0	396	402	98 -	5	403	46372	46773
UN13711	Rsa1.0.02802.1	1949	27736	0	1004	1045	96 +	892	1935	8951	9978
UN13712	Rsa1.0.05812.1	1030	12571	0	1028	1030	99 +	1	1028	2560	3589
UN13713	Rsa1.0.00417.1	1052	395068	0	738	739	99 +	313	1051	376215	376953
UN13714	Rsa1.0.00111.1	1328	390088	0	407	421	96 -	1	420	139323	139742
UN13715	Rsa1.0.00001.1	1796	363028	0	1772	1795	98 +	2	1795	280765	282559
UN13716	Rsa1.0.02319.1	1485	32580	0	784	806	97 +	680	1483	2476	3278
UN13717	Rsa1.0.00462.1	1367	82288	0	404	417	96 +	5	419	36788	37202
UN13718	Rsa1.0.00013.1	1830	292129	0	823	826	99 +	1005	1830	155315	156140
UN13719	Rsa1.0.01212.1	1222	50622	0	1180	1221	96 -	1	1221	46722	47939
UN13720	Rsa1.0.02085.1	1286	35198	1.00E-142	280	286	97 +	1000	1285	17654	17935
UN13721	Rsa1.0.06354.1	903	11186	1.00E-178	486	536	90 +	336	870	9549	10064
UN13722	Rsa1.0.11152.1	539	5602	2.00E-87	223	242	92 +	295	536	5016	5249
UN13723	Rsa1.0.01234.1	988	50183	0	513	514	99 +	449	962	8898	9411
UN13724	Rsa1.0.02081.1	1816	35235	0	1120	1127	99 +	688	1814	29049	30175
UN13725	Rsa1.0.02647.1	695	29120	0	672	674	99 +	6	679	25168	25840
UN13726	Rsa1.0.58354.1	769	392	1.00E-180	343	349	98 +	425	768	1	349

UN13727	Rsa1.0.00550.1	597	210790	0	586	598	97 -	3	595	65628	66225
UN13728	Rsa1.0.00265.1	1748	220635	0	614	658	93 -	698	1355	175101	175758
UN13729	Rsa1.0.00416.1	1054	86772	0	432	436	99 -	2	437	81176	81608
UN13730	Rsa1.0.05070.1	1006	14933	0	814	823	98 -	1	823	1434	2256
UN13731	Rsa1.0.02201.1	1306	33981	1.00E-149	272	273	99 +	1034	1306	31757	32029
UN13732	Rsa1.0.01540.1	1294	151890	0	1236	1302	94 +	4	1294	142472	143763
UN13733	Rsa1.0.01468.1	1307	45146	0	440	441	99 -	481	921	34289	34729
UN13734	Rsa1.0.08170.1	935	7799	0	921	937	98 +	1	935	1623	2557
UN13735	Rsa1.0.03776.1	967	20926	0	520	555	93 -	2	549	80	625
UN13736	Rsa1.0.01382.1	1459	46877	1.00E-160	342	358	95 -	1103	1459	37445	37801
UN13737	Rsa1.0.00301.1	956	365315	0	468	500	93 +	460	956	215181	215669
UN13738	Rsa1.0.00220.1	1139	192936	0	414	429	96 +	400	822	16394	16819
UN13739	Rsa1.0.07756.1	619	8634	1.00E-116	221	224	98 -	396	619	6499	6722
UN13740	Rsa1.0.00484.1	931	203294	0	463	480	96 -	1	480	19530	20005
UN13741	Rsa1.0.04667.1	845	16460	0	658	667	98 +	4	669	13322	13983
UN13742	Rsa1.0.11893.1	1659	5379	0	504	507	99 +	1081	1587	3929	4435
UN13743	Rsa1.0.00739.1	1595	66155	0	481	505	95 -	617	1119	51817	52312
UN13744	Rsa1.0.00383.1	681	398431	0	619	630	98 -	41	670	186021	186649
UN13745	Rsa1.0.00017.1	1220	752458	0	531	531	100 +	362	892	313714	314244
UN13746	Rsa1.0.00652.1	1173	70089	0	1155	1173	98 -	1	1172	26210	27382
UN13747	Rsa1.0.00413.1	966	86921	0	771	833	92 -	3	827	48011	48818
UN13748	Rsa1.0.26066.1	1243	908	0	901	921	97 -	13	933	1	908
UN13749	Rsa1.0.03447.1	582	22857	1.00E-147	265	265	100 -	317	581	21380	21644
UN13750	Rsa1.0.00005.1	914	353093	0	898	912	98 +	1	912	199701	200612
UN13751	Rsa1.0.01389.1	1000	46716	0	382	390	97 -	606	995	9776	10165
UN13752	Rsa1.0.00055.1	770	520193	1.00E-143	265	266	99 +	505	769	202154	202419
UN13753	Rsa1.0.05134.1	1137	143181	0	712	739	96 +	9	737	5686	6420
UN13754	Rsa1.0.00040.1	1665	324196	4.00E-91	171	171	100 +	511	681	243684	243854
UN13755	Rsa1.0.03960.1	1463	19864	1.00E-108	277	302	91 -	1	289	10400	10701
UN13756	Rsa1.0.01515.1	3197	170864	0	1285	1349	95 -	299	1631	142791	144127
UN13757	Rsa1.0.02865.1	546	27133	0	430	434	99 +	113	546	1804	2237
UN13758	Rsa1.0.00127.1	1790	127446	0	496	500	99 -	1	500	64912	65411
UN13759	Rsa1.0.00190.1	997	318240	1.00E-150	284	289	98 -	645	933	180338	180626
UN13760	Rsa1.0.01963.1	858	36719	0	424	436	97 -	425	856	31868	32302
UN13761	Rsa1.0.05427.1	1045	13790	0	393	423	92 -	650	1044	12596	13018
UN13762	Rsa1.0.00069.1	1076	403561	0	428	433	98 +	2	433	169601	170031
UN13763	Rsa1.0.00630.1	1346	71281	0	426	426	100 -	202	627	62354	62779
UN13764	Rsa1.0.00082.1	895	237584	1.00E-148	270	271	99 -	107	377	54496	54766
UN13765	Rsa1.0.06604.1	1817	10681	0	394	406	97 -	1057	1462	8849	9252

UN13766	Rsa1.0.01836.1	870	38503	1.00E-148	314	327	96 -	545	870	5091	5416
UN13767	Rsa1.0.00215.1	796	201775	0	379	391	96 -	3	392	24023	24412
UN13768	Rsa1.0.00053.1	1365	263459	0	455	461	98 +	3	461	31999	32458
UN13769	Rsa1.0.00473.1	1368	212204	1.00E-107	251	267	94 -	20	282	73604	73864
UN13770	Rsa1.0.04405.1	1167	17508	0	1120	1170	95 +	3	1166	3076	4226
UN13771	Rsa1.0.39987.1	908	562	0	362	362	100 +	394	755	201	562
UN13772	Rsa1.0.05161.1	1158	14631	0	340	345	98 +	20	364	8351	8695
UN13773	Rsa1.0.02955.1	813	26484	2.00E-73	274	318	86 -	1	297	21585	21894
UN13774	Rsa1.0.03191.1	1812	145762	0	1681	1720	97 +	94	1812	136988	138707
UN13775	Rsa1.0.06438.1	651	11017	0	445	476	93 -	41	511	1531	2002
UN13776	Rsa1.0.01252.1	822	49847	1.00E-112	215	218	98 -	370	587	19015	19232
UN13777	Rsa1.0.02157.1	883	149652	5.00E-80	155	156	99 -	6	161	134731	134886
UN13778	Rsa1.0.01947.1	664	36977	0	384	394	97 +	12	403	23170	23560
UN13779	Rsa1.0.01397.1	1446	183276	0	563	584	96 +	863	1444	11118	11700
UN13780	Rsa1.0.03428.1	1424	22987	0	519	522	99 +	29	548	14396	14917
UN13781	Rsa1.0.01000.1	1236	57140	0	489	495	98 -	747	1236	40270	40763
UN13782	Rsa1.0.00001.1	858	363028	0	591	597	98 +	262	858	210947	211540
UN13783	Rsa1.0.01201.1	1090	50856	1.00E-153	305	314	97 -	5	318	4	316
UN13784	Rsa1.0.00144.1	2231	120708	0	683	695	98 +	401	1095	8173	8867
UN13785	Rsa1.0.05694.1	903	12903	1.00E-118	219	220	99 +	1	220	7117	7336
UN13786	Rsa1.0.00047.1	1276	168582	0	431	451	95 +	834	1276	120050	120500
UN13787	Rsa1.0.03554.1	1284	22137	0	561	583	96 +	703	1284	20026	20596
UN13788	Rsa1.0.00137.1	1137	122457	1.00E-173	309	309	100 +	2	310	81318	81626
UN13789	Rsa1.0.06482.1	904	10937	0	585	611	95 +	256	866	8153	8752
UN13790	Rsa1.0.03900.1	1040	133221	1.00E-151	321	335	95 +	680	1014	3917	4249
UN13791	Rsa1.0.07344.1	1971	9528	0	621	679	91 +	666	1335	525	1195
UN13792	Rsa1.0.02557.1	1334	30127	0	704	775	90 -	2	772	14219	14983
UN13793	Rsa1.0.02500.1	1136	30768	1.00E-155	314	324	96 +	814	1133	24051	24374
UN13794	Rsa1.0.00148.1	947	120234	0	504	552	91 -	393	944	87155	87705
UN13795	Rsa1.0.03253.1	1397	24321	0	579	581	99 -	440	1020	23060	23640
UN13796	Rsa1.0.00707.1	978	190112	1.00E-131	273	281	97 -	695	975	181039	181315
UN13797	Rsa1.0.00231.1	1993	105381	1.00E-161	291	292	99 -	263	554	32328	32619
UN13798	Rsa1.0.00440.1	898	84723	1.00E-169	352	369	95 -	528	896	25036	25398
UN13799	Rsa1.0.01022.1	822	56606	0	396	407	97 -	415	821	36882	37278
UN13800	Rsa1.0.03391.1	1663	23251	0	791	824	95 +	2	812	2328	3148
UN13801	Rsa1.0.00931.1	1072	59210	0	365	377	96 +	701	1072	55356	55732
UN13802	Rsa1.0.01335.1	1402	47894	0	477	478	99 -	542	1019	8065	8542
UN13803	Rsa1.0.00130.1	1442	125737	0	477	489	97 +	956	1438	117675	118163
UN13804	Rsa1.0.00070.1	1700	150321	0	400	400	100 -	885	1284	59705	60104

UN13805	Rsa1.0.03698.1	930	21302	0	376	394	95 +	2	389	6367	6760
UN13806	Rsa1.0.02457.1	1439	31208	1.00E-163	312	318	98 +	1121	1436	12120	12437
UN13807	Rsa1.0.00484.1	1497	203294	0	616	617	99 +	550	1166	63056	63672
UN13808	Rsa1.0.00353.1	1015	92242	1.00E-96	214	223	95 +	1	222	55708	55928
UN13809	Rsa1.0.31415.1	1392	728	2.33E-156	279	284	98 -	1094	1377	1	284
UN13810	Rsa1.0.03264.1	1190	145959	0	521	521	100 -	2	522	134518	135038
UN13811	Rsa1.0.05217.1	1022	142938	0	441	447	98 +	1	447	129767	130211
UN13812	Rsa1.0.07894.1	1424	8347	0	844	878	96 -	550	1423	5534	6406
UN13813	Rsa1.0.00481.1	1189	81316	0	420	445	94 +	71	514	71997	72427
UN13814	Rsa1.0.01995.1	1062	36347	0	502	503	99 +	560	1062	22162	22663
UN13815	Rsa1.0.00364.1	1278	90951	0	561	572	98 -	500	1071	77149	77717
UN13816	Rsa1.0.00529.1	1216	77487	0	394	411	95 -	1	408	75987	76395
UN13817	Rsa1.0.00042.1	960	171507	4.00E-87	219	234	93 +	1	231	88317	88548
UN13818	Rsa1.0.01975.1	1040	36578	0	415	422	98 +	2	423	13994	14415
UN13819	Rsa1.0.04225.1	1631	18400	0	444	445	99 +	741	1185	10237	10681
UN13820	Rsa1.0.00013.1	1250	292129	0	506	511	99 +	6	516	114283	114793
UN13821	Rsa1.0.00090.1	1631	273859	0	1132	1156	97 +	194	1349	231858	232998
UN13822	Rsa1.0.06444.1	1150	11008	0	409	413	99 -	1	412	6961	7373
UN13823	Rsa1.0.00354.1	1369	232005	0	471	497	94 +	9	493	13044	13540
UN13824	Rsa1.0.01605.1	735	42442	0	509	517	98 -	224	733	13424	13940
UN13825	Rsa1.0.00015.1	1358	561803	1.00E-180	420	449	93 -	11	456	550661	551100
UN13826	Rsa1.0.03738.1	1157	21071	1.00E-138	297	311	95 -	3	310	12767	13075
UN13827	Rsa1.0.01899.1	1245	37474	0	336	337	99 -	1	337	35128	35464
UN13828	Rsa1.0.00382.1	979	251946	0	620	627	98 +	351	977	111146	111771
UN13829	Rsa1.0.04625.1	1430	16613	0	603	615	98 -	277	891	14784	15398
UN13830	Rsa1.0.00122.1	1093	265937	0	1079	1090	98 +	3	1091	239090	240178
UN13831	Rsa1.0.01799.1	1112	39127	0	1093	1114	98 +	2	1112	31541	32654
UN13832	Rsa1.0.00169.1	990	274298	1.00E-167	344	357	96 -	2	357	31558	31911
UN13833	Rsa1.0.00618.1	1478	72195	0	392	405	96 -	1076	1478	3276	3677
UN13834	Rsa1.0.00399.1	1714	242951	1.00E-167	314	319	98 +	1	319	51523	51841
UN13835	Rsa1.0.01062.1	1244	55325	1.00E-139	257	259	99 +	986	1244	38724	38982
UN13836	Rsa1.0.10507.1	1836	5822	0	879	903	97 -	424	1313	2792	3694
UN13837	Rsa1.0.03290.1	1270	24011	1.00E-165	336	349	96 -	925	1270	7207	7555
UN13838	Rsa1.0.06784.1	1102	10359	0	506	509	99 +	1	509	39	547
UN13839	Rsa1.0.00010.1	1015	294827	4.00E-81	277	314	88 -	698	1001	135527	135837
UN13840	Rsa1.0.03631.1	1351	21647	0	437	449	97 +	848	1293	2780	3228
UN13841	Rsa1.0.11822.1	668	5397	0	407	407	100 +	261	667	4170	4576
UN13842	Rsa1.0.03556.1	1677	22121	0	700	700	100 -	346	1045	14573	15272
UN13843	Rsa1.0.07645.1	790	8949	1.00E-178	325	328	99 -	3	330	4425	4752

UN13844	Rsa1.0.00124.1	667	262503	1.00E-148	290	296	97 +	1	295	14152	14444
UN13845	Rsa1.0.01530.1	1159	43820	1.00E-118	230	233	98 -	20	251	5090	5322
UN13846	Rsa1.0.00166.1	590	240912	0	507	527	96 -	67	590	131072	131598
UN13847	Rsa1.0.02125.1	863	34775	1.00E-145	262	262	100 +	602	863	24927	25188
UN13848	Rsa1.0.03195.1	849	24673	0	460	473	97 -	1	473	8990	9459
UN13849	Rsa1.0.00237.1	583	235974	0	381	395	96 +	189	583	58852	59246
UN13850	Rsa1.0.00681.1	1786	68779	1.00E-180	408	434	94 +	15	432	42433	42866
UN13851	Rsa1.0.00959.1	1465	58202	0	365	365	100 -	753	1117	1503	1867
UN13852	Rsa1.0.00863.1	883	254535	1.00E-172	371	393	94 -	4	396	213547	213933
UN13853	Rsa1.0.03860.1	1501	20407	0	479	514	93 +	4	495	15804	16316
UN13854	Rsa1.0.43878.1	730	512	2.00E-23	63	65	96 -	177	241	43	107
UN13855	Rsa1.0.00285.1	1233	149638	1.00E-152	301	310	97 -	20	329	56337	56646
UN13856	Rsa1.0.00132.1	1115	124299	0	355	357	99 -	759	1115	108386	108742
UN13857	Rsa1.0.00891.1	880	60724	0	457	465	98 +	26	490	32887	33348
UN13858	Rsa1.0.00085.1	1016	142226	1.00E-152	294	299	98 -	643	940	62524	62819
UN13859	Rsa1.0.21688.1	1159	1181	0	583	599	97 -	560	1158	583	1181
UN13860	Rsa1.0.04088.1	1212	19150	0	498	504	98 -	1	504	18429	18929
UN13861	Rsa1.0.00503.1	909	79468	0	456	456	100 +	454	909	57977	58432
UN13862	Rsa1.0.00180.1	1531	114581	1.00E-160	333	349	95 +	114	456	10716	11058
UN13863	Rsa1.0.04097.1	1480	19090	0	671	697	96 +	789	1478	6602	7298
UN13864	Rsa1.0.00089.1	1610	406142	1.00E-168	337	348	96 +	1251	1597	231223	231570
UN13865	Rsa1.0.42296.1	777	531	1.00E-125	253	259	97 +	461	719	2	258
UN13866	Rsa1.0.00178.1	1061	114861	0	404	409	98 +	1	408	84562	84969
UN13867	Rsa1.0.00694.1	809	68074	8.00E-91	190	196	96 +	3	198	1462	1654
UN13868	Rsa1.0.03416.1	1809	23112	0	345	347	99 +	1453	1797	16130	16476
UN13869	Rsa1.0.48565.1	1333	466	0	349	349	100 -	983	1331	91	439
UN13870	Rsa1.0.01566.1	1326	43134	0	595	606	98 +	658	1263	34060	34665
UN13871	Rsa1.0.00097.1	1162	138858	2.00E-89	177	180	98 +	129	308	119408	119587
UN13872	Rsa1.0.12152.1	561	5300	0	476	477	99 +	3	479	4824	5300
UN13873	Rsa1.0.00340.1	1563	305782	0	401	424	94 -	878	1301	191839	192262
UN13874	Rsa1.0.00786.1	944	64285	1.00E-102	198	201	98 +	362	562	41596	41796
UN13875	Rsa1.0.00134.1	973	390219	0	340	343	99 -	3	344	157266	157607
UN13876	Rsa1.0.00914.1	1010	59880	0	359	366	98 +	1	360	21661	22026
UN13877	Rsa1.0.00104.1	1301	368722	0	767	774	99 +	484	1256	257026	257799
UN13878	Rsa1.0.00145.1	1383	261008	0	1348	1381	97 -	1	1381	44389	45766
UN13879	Rsa1.0.01273.1	1693	49464	0	1152	1184	97 +	466	1644	8684	9866
UN13880	Rsa1.0.00389.1	1052	88795	0	546	554	98 +	497	1050	18741	19294
UN13881	Rsa1.0.00601.1	909	177045	0	392	402	97 -	513	909	26095	26496
UN13882	Rsa1.0.00420.1	1526	86496	2.33E-156	277	279	99 -	2	278	45120	45398

UN13883	Rsa1.0.00693.1	1223	161311	0	1096	1121	97 -	103	1223	41355	42475
UN13884	Rsa1.0.00378.1	1111	89892	1.00E-172	307	307	100 +	3	309	62147	62453
UN13885	Rsa1.0.00451.1	1232	322533	0	430	463	92 +	3	450	300468	300930
UN13886	Rsa1.0.00152.1	1481	257730	0	851	853	99 +	629	1481	59089	59941
UN13887	Rsa1.0.01984.1	1750	36491	0	392	399	98 -	78	476	30118	30516
UN13888	Rsa1.0.00417.1	722	395068	0	350	356	98 +	355	710	14474	14829
UN13889	Rsa1.0.01947.1	721	36977	0	392	405	96 -	293	694	23163	23567
UN13890	Rsa1.0.06740.1	1446	10439	0	527	538	97 -	2	538	8581	9118
UN13891	Rsa1.0.06273.1	921	11346	0	799	850	94 -	68	917	2974	3810
UN13892	Rsa1.0.07471.1	1522	9307	0	910	935	97 +	590	1520	1	935
UN13893	Rsa1.0.11160.1	1077	5600	0	349	353	98 -	3	352	134	486
UN13894	Rsa1.0.00406.1	1117	87398	0	371	372	99 -	3	374	53293	53664
UN13895	Rsa1.0.05570.1	1158	13301	0	558	576	96 -	61	634	12647	13218
UN13896	Rsa1.0.01170.1	1232	161131	1.00E-130	254	260	97 +	24	283	130486	130745
UN13897	Rsa1.0.00015.1	782	561803	1.00E-142	268	272	98 -	509	780	480988	481259
UN13898	Rsa1.0.06603.1	1045	10682	1.00E-84	160	160	100 +	108	267	3481	3640
UN13899	Rsa1.0.00139.1	959	357786	1.00E-130	246	249	98 +	1	249	290698	290946
UN13900	Rsa1.0.13828.1	785	4254	0	498	519	95 +	3	512	1999	2516
UN13901	Rsa1.0.00337.1	730	143174	1.00E-164	300	301	99 +	429	728	2366	2666
UN13902	Rsa1.0.01648.1	804	41635	0	541	551	98 +	99	649	15739	16289
UN13903	Rsa1.0.04273.1	1039	18144	2.33E-156	273	275	99 +	766	1039	12147	12421
UN13904	Rsa1.0.05243.1	728	14399	0	390	394	98 -	333	726	5705	6098
UN13905	Rsa1.0.00026.1	2206	327835	0	1111	1119	99 -	75	1189	176398	177516
UN13906	Rsa1.0.35192.1	742	643	1.00E-122	241	246	97 -	3	247	40	285
UN13907	Rsa1.0.00052.1	892	162771	1.00E-165	309	311	99 +	584	892	58551	58861
UN13908	Rsa1.0.00114.1	1832	131330	1.00E-174	342	351	97 -	588	938	44560	44909
UN13909	Rsa1.0.00222.1	1379	172263	1.00E-123	239	244	97 -	581	824	137688	137931
UN13910	Rsa1.0.01050.1	1232	55651	0	581	595	97 +	1	595	10695	11285
UN13911	Rsa1.0.03633.1	995	21644	1.00E-168	306	308	99 +	686	993	18297	18604
UN13912	Rsa1.0.00096.1	1548	198773	0	372	372	100 +	1175	1546	138020	138391
UN13913	Rsa1.0.03647.1	1602	21597	0	815	840	97 -	2	837	2776	3613
UN13914	Rsa1.0.01154.1	1209	52249	0	556	576	96 +	3	577	9022	9597
UN13915	Rsa1.0.00546.1	551	76523	1.00E-177	354	366	96 -	1	365	11385	11750
UN13916	Rsa1.0.01743.1	881	39926	0	456	466	97 -	417	879	6748	7212
UN13917	Rsa1.0.00912.1	1388	59923	1.00E-173	308	308	100 +	1	308	36975	37282
UN13918	Rsa1.0.00448.1	1919	84048	0	1396	1479	94 -	2	1480	7460	8925
UN13919	Rsa1.0.05319.1	975	14158	1.00E-130	288	305	94 +	18	318	398	702
UN13920	Rsa1.0.00991.1	849	143101	0	463	479	96 +	49	524	133482	133957
UN13921	Rsa1.0.01168.1	535	153765	0	364	373	97 +	160	532	44255	44627

UN13922	Rsa1.0.01799.1	1423	39127	0	590	591	99 -	833	1423	2450	3040
UN13923	Rsa1.0.03382.1	1721	23299	1.00E-180	326	328	99 +	31	358	5210	5537
UN13924	Rsa1.0.01948.1	1257	36966	0	533	538	99 +	72	609	15111	15648
UN13925	Rsa1.0.00397.1	786	88189	1.00E-121	261	273	95 +	514	786	54834	55105
UN13926	Rsa1.0.00657.1	1308	69858	1.00E-148	311	325	95 +	3	327	37501	37818
UN13927	Rsa1.0.00230.1	1011	105389	1.00E-145	300	310	96 +	683	991	5859	6167
UN13928	Rsa1.0.00734.1	1015	66508	1.00E-116	215	216	99 +	65	280	25377	25592
UN13929	Rsa1.0.05818.1	974	12544	0	398	398	100 -	575	972	6711	7108
UN13930	Rsa1.0.02991.1	753	26178	0	438	438	100 -	3	440	21112	21549
UN13931	Rsa1.0.02400.1	1297	31750	0	628	633	99 -	3	631	9576	10208
UN13932	Rsa1.0.14356.1	872	3485	0	467	480	97 -	395	872	3009	3485
UN13933	Rsa1.0.00366.1	593	90880	0	590	593	99 -	1	591	25888	26480
UN13934	Rsa1.0.01923.1	1019	37233	1.00E-158	343	361	95 -	1	358	36457	36816
UN13935	Rsa1.0.01281.1	1079	49313	1.00E-145	264	265	99 -	815	1079	33489	33753
UN13936	Rsa1.0.00120.1	1376	277288	0	463	475	97 +	898	1370	96041	96513
UN13937	Rsa1.0.00599.1	1296	73418	0	438	471	92 +	8	477	52966	53420
UN13938	Rsa1.0.00078.1	1397	175053	0	445	445	100 -	226	670	38368	38812
UN13939	Rsa1.0.01353.1	1431	47351	0	799	805	99 -	3	804	37255	38059
UN13940	Rsa1.0.00296.1	1220	97854	0	971	1038	93 +	180	1217	44816	45851
UN13941	Rsa1.0.00662.1	1074	192183	0	411	433	94 +	647	1071	2200	2630
UN13942	Rsa1.0.02976.1	622	26315	1.00E-100	197	201	98 +	373	573	18887	19087
UN13943	Rsa1.0.02177.1	952	34262	3.00E-75	168	176	95 +	306	481	14545	14720
UN13944	Rsa1.0.00268.1	1505	101470	0	444	450	98 -	1056	1505	43077	43526
UN13945	Rsa1.0.08402.1	1353	7417	1.00E-166	302	304	99 +	447	750	5352	5655
UN13946	Rsa1.0.02206.1	1169	33922	1.00E-170	303	303	100 +	864	1166	19902	20204
UN13947	Rsa1.0.00139.1	2003	357786	0	1125	1173	95 -	827	1993	66423	67583
UN13948	Rsa1.0.10264.1	1101	5913	0	375	382	98 +	722	1101	605	986
UN13949	Rsa1.0.00673.1	2998	69325	1.00E-153	291	296	98 -	2341	2636	47441	47736
UN13950	Rsa1.0.00381.1	953	89718	1.00E-142	257	257	100 +	695	951	62649	62905
UN13951	Rsa1.0.01601.1	1158	42519	1.00E-124	242	246	98 +	2	246	17151	17396
UN13952	Rsa1.0.00797.1	961	63959	0	565	603	93 +	3	598	51699	52289
UN13953	Rsa1.0.04028.1	1075	19493	1.00E-110	209	211	99 -	246	456	3399	3609
UN13954	Rsa1.0.01636.1	830	41863	0	327	328	99 -	503	830	34093	34420
UN13955	Rsa1.0.08293.1	1389	7593	0	553	565	97 -	436	1000	2270	2834
UN13956	Rsa1.0.00091.1	1892	139699	0	482	495	97 -	1399	1892	136921	137413
UN13957	Rsa1.0.00017.1	1311	752458	1.00E-151	336	354	94 +	959	1311	578918	579267
UN13958	Rsa1.0.00880.1	515	61271	0	506	512	98 -	2	513	40535	41046
UN13959	Rsa1.0.00524.1	994	169613	0	449	457	98 +	537	993	129773	130229
UN13960	Rsa1.0.01559.1	702	43262	1.00E-103	262	282	92 -	34	314	2268	2547

UN13961	Rsa1.0.00812.1	613	63233	1.00E-172	309	310	99 +	4	313	17146	17455
UN13962	Rsa1.0.04218.1	840	18423	0	477	484	98 +	359	840	8963	9445
UN13963	Rsa1.0.01512.1	792	44234	0	486	511	95 +	282	792	18084	18592
UN13964	Rsa1.0.00823.1	1188	62889	0	834	835	99 -	1	835	45658	46492
UN13965	Rsa1.0.07208.1	1347	9719	0	548	558	98 -	790	1347	7437	7993
UN13966	Rsa1.0.00505.1	538	79323	0	388	389	99 +	146	534	13080	13468
UN13967	Rsa1.0.00954.1	1078	189536	1.00E-81	161	163	98 +	273	435	37320	37482
UN13968	Rsa1.0.08048.1	1031	137630	0	372	384	96 -	651	1031	135285	135667
UN13969	Rsa1.0.00551.1	1448	76227	0	524	530	98 -	920	1448	54764	55293
UN13970	Rsa1.0.01768.1	1379	138463	0	377	381	98 +	406	786	103736	104116
UN13971	Rsa1.0.00111.1	1333	390088	0	473	481	98 -	230	710	383729	384207
UN13972	Rsa1.0.01516.1	7762	44196	0	2199	2330	94 +	3888	6204	25718	28029
UN13973	Rsa1.0.02670.1	798	28887	1.00E-153	347	372	93 +	444	798	1836	2206
UN13974	Rsa1.0.00029.1	958	272992	0	559	559	100 +	4	562	246766	247324
UN13975	Rsa1.0.08196.1	2403	7753	2.00E-84	205	217	94 +	1615	1827	605	819
UN13976	Rsa1.0.00441.1	1140	84607	2.33E-156	303	316	95 -	1	307	69639	69954
UN13977	Rsa1.0.04311.1	878	17984	0	723	736	98 -	135	870	1418	2152
UN13978	Rsa1.0.00605.1	1190	73199	0	609	620	98 -	3	620	28192	28811
UN13979	Rsa1.0.01806.1	936	39021	1.00E-101	187	187	100 -	74	260	32010	32196
UN13980	Rsa1.0.09347.1	857	6437	0	508	510	99 +	1	510	4886	5395
UN13981	Rsa1.0.30957.1	1582	740	0	479	500	95 +	19	516	1	500
UN13982	Rsa1.0.06553.1	1220	10795	0	525	545	96 +	597	1134	5503	6046
UN13983	Rsa1.0.03800.1	1838	20768	0	528	533	99 +	455	987	18375	18907
UN13984	Rsa1.0.01171.1	965	51752	1.00E-102	237	246	96 +	11	253	14998	15241
UN13985	Rsa1.0.02633.1	936	29315	1.00E-160	391	424	92 -	516	927	361	771
UN13986	Rsa1.0.01846.1	1411	38367	0	744	749	99 -	182	930	35711	36459
UN13987	Rsa1.0.01515.1	2601	170864	0	558	596	93 -	1811	2405	140858	141453
UN13988	Rsa1.0.00466.1	1140	82132	0	404	422	95 +	187	608	63363	63783
UN13989	Rsa1.0.02545.1	1185	30286	0	520	542	95 -	649	1185	13581	14116
UN13990	Rsa1.0.01065.1	719	55264	0	529	542	97 -	180	719	30865	31396
UN13991	Rsa1.0.01302.1	708	48907	0	363	370	98 -	103	472	4012	4381
UN13992	Rsa1.0.05161.1	910	14631	1.00E-136	252	254	99 +	103	356	4	257
UN13993	Rsa1.0.00060.1	1388	502678	1.00E-173	409	431	94 +	969	1388	398264	398694
UN13994	Rsa1.0.00812.1	1033	63233	0	377	382	98 +	2	383	1591	1972
UN13995	Rsa1.0.01482.1	913	44855	0	898	903	99 -	4	906	11984	12886
UN13996	Rsa1.0.00425.1	523	147080	1.00E-178	371	389	95 -	1	389	24733	25121
UN13997	Rsa1.0.00105.1	1409	134138	9.00E-89	173	175	98 -	464	638	73020	73194
UN13998	Rsa1.0.03380.1	1290	23320	0	418	430	97 +	3	432	4190	4615
UN13999	Rsa1.0.02179.1	1223	34188	0	509	518	98 -	185	702	24265	24782

UN14000	Rsa1.0_01668.1	846	41299	2.33E-156	284	291	97 +	511	801	40399	40689
UN14001	Rsa1.0_00387.1	1079	495407	0	508	521	97 -	561	1079	341781	342297
UN14002	Rsa1.0_00180.1	992	114581	1.00E-179	324	326	99 -	2	327	42152	42477
UN14003	Rsa1.0_00240.1	944	104175	0	655	666	98 -	280	937	46807	47471
UN14004	Rsa1.0_00190.1	1489	318240	1.00E-163	335	347	96 -	1143	1489	162006	162344
UN14005	Rsa1.0_00119.1	1116	467509	1.00E-121	239	245	97 +	773	1017	97222	97466
UN14006	Rsa1.0_00467.1	1238	156542	0	1177	1217	96 +	1	1216	98486	99695
UN14007	Rsa1.0_00137.1	1062	122457	1.00E-172	325	332	97 -	2	326	5329	5660
UN14008	Rsa1.0_00095.1	1017	283384	0	642	654	98 +	363	1016	4713	5366
UN14009	Rsa1.0_03241.1	1251	24423	1.00E-171	320	324	98 +	3	324	3136	3459
UN14010	Rsa1.0_00213.1	849	108167	0	362	366	98 +	3	368	14589	14954
UN14011	Rsa1.0_10036.1	890	6030	1.00E-153	426	477	89 -	1	456	496	967
UN14012	Rsa1.0_00206.1	946	109040	1.00E-163	306	310	98 -	639	946	45059	45368
UN14013	Rsa1.0_29537.1	1049	780	0	467	490	95 -	560	1049	199	688
UN14014	Rsa1.0_02628.1	1082	29369	1.00E-132	242	243	99 +	1	243	27702	27944
UN14015	Rsa1.0_00385.1	951	89160	1.00E-162	302	306	98 -	373	678	9032	9337
UN14016	Rsa1.0_00178.1	1736	114861	0	806	830	97 +	911	1734	5884	6709
UN14017	Rsa1.0_01517.1	891	44170	1.00E-136	351	381	92 -	485	851	29482	29855
UN14018	Rsa1.0_02848.1	1039	27329	0	1024	1029	99 +	11	1039	16975	18003
UN14019	Rsa1.0_02204.1	1049	33930	1.00E-153	343	361	95 +	4	362	20564	20915
UN14020	Rsa1.0_00065.1	1579	454616	1.00E-105	204	206	99 -	1283	1487	155644	155849
UN14021	Rsa1.0_00417.1	911	395068	1.00E-122	246	253	97 -	544	793	228530	228782
UN14022	Rsa1.0_00168.1	999	115870	1.00E-175	376	396	94 -	571	963	113976	114364
UN14023	Rsa1.0_05784.1	1027	12643	1.00E-167	405	424	95 +	618	1026	1645	2068
UN14024	Rsa1.0_03100.1	1592	25411	0	721	723	99 +	606	1326	1871	2593
UN14025	Rsa1.0_03361.1	798	23456	0	689	699	98 -	98	796	3196	3893
UN14026	Rsa1.0_02518.1	533	30586	1.00E-51	119	124	95 +	268	391	25939	26062
UN14027	Rsa1.0_01096.1	1385	54266	0	431	454	94 -	227	680	2669	3122
UN14028	Rsa1.0_02565.1	1563	30046	1.00E-149	299	310	96 +	1	302	25176	25485
UN14029	Rsa1.0_00989.1	1095	57494	1.00E-179	328	330	99 +	4	331	10671	11000
UN14030	Rsa1.0_06492.1	1028	10913	0	401	410	97 +	41	447	6336	6745
UN14031	Rsa1.0_00663.1	1061	164969	0	517	520	99 +	542	1061	100742	101261
UN14032	Rsa1.0_02241.1	1022	33520	1.00E-170	334	343	97 +	2	344	10272	10613
UN14033	Rsa1.0_04888.1	1265	15595	0	765	816	93 +	469	1265	1757	2571
UN14034	Rsa1.0_00152.1	752	257730	2.00E-48	152	168	90 +	4	167	116224	116390
UN14035	Rsa1.0_00336.1	1420	445051	0	554	561	98 +	2	562	219222	219780
UN14036	Rsa1.0_01679.1	1314	146876	0	1302	1311	99 -	4	1314	118982	120292
UN14037	Rsa1.0_05004.1	1394	15172	1.00E-117	214	214	100 -	704	917	12015	12228
UN14038	Rsa1.0_00630.1	1385	71281	0	830	833	99 -	1	833	60102	60934

UN14039	Rsa1.0.01576.1	711	42923	0	327	327	100 +	385	711	22319	22645
UN14040	Rsa1.0.04470.1	1179	17204	1.00E-142	311	329	94 +	851	1179	4468	4787
UN14041	Rsa1.0.04519.1	1261	17004	0	570	572	99 +	2	573	3922	4493
UN14042	Rsa1.0.00092.1	725	659932	1.00E-137	270	276	97 +	2	276	43189	43464
UN14043	Rsa1.0.00558.1	607	75819	0	597	608	98 -	1	606	43386	43986
UN14044	Rsa1.0.02676.1	931	28834	0	551	556	99 -	1	556	13630	14185
UN14045	Rsa1.0.21865.1	860	1168	0	537	546	98 -	158	703	3	548
UN14046	Rsa1.0.00341.1	1658	249309	1.00E-142	256	256	100 +	1403	1658	123448	123703
UN14047	Rsa1.0.02667.1	1945	28910	0	428	444	96 -	1	443	15395	15826
UN14048	Rsa1.0.02199.1	1389	33982	1.00E-131	241	242	99 +	1148	1389	13929	14170
UN14049	Rsa1.0.01634.1	1604	41865	1.00E-114	272	289	94 +	1317	1604	38465	38745
UN14050	Rsa1.0.00065.1	1427	454616	0	402	404	99 -	1015	1417	417264	417667
UN14051	Rsa1.0.00449.1	1510	83863	0	768	779	98 +	491	1269	67568	68346
UN14052	Rsa1.0.02072.1	817	35401	1.00E-114	260	274	94 -	541	812	18080	18353
UN14053	Rsa1.0.00225.1	1181	105892	0	503	504	99 +	167	670	43573	44076
UN14054	Rsa1.0.02186.1	818	34150	0	418	424	98 -	395	818	12067	12490
UN14055	Rsa1.0.01090.1	868	54385	0	420	444	94 +	3	446	3190	3626
UN14056	Rsa1.0.00790.1	1418	148693	1.00E-107	288	313	92 -	11	313	21937	22249
UN14057	Rsa1.0.20207.1	1030	1327	1.00E-119	233	237	98 -	1	237	161	396
UN14058	Rsa1.0.04272.1	1390	18144	0	420	421	99 +	966	1386	14816	15236
UN14059	Rsa1.0.01193.1	1537	51147	1.00E-149	281	285	98 -	64	348	15709	15993
UN14060	Rsa1.0.63077.1	1121	364	0	364	364	100 -	738	1101	1	364
UN14061	Rsa1.0.02939.1	1650	26595	0	752	810	92 -	12	797	18298	19101
UN14062	Rsa1.0.00666.1	876	69505	0	457	470	97 -	406	875	34781	35250
UN14063	Rsa1.0.01029.1	1909	256254	0	334	334	100 -	1	334	245893	246226
UN14064	Rsa1.0.00028.1	711	293984	0	691	704	98 -	8	709	64960	65662
UN14065	Rsa1.0.01696.1	957	301850	0	703	727	96 -	232	957	158936	159651
UN14066	Rsa1.0.46563.1	595	485	3.00E-65	134	135	99 +	56	189	1	135
UN14067	Rsa1.0.00368.1	1474	90669	1.00E-180	330	333	99 +	3	335	81664	81996
UN14068	Rsa1.0.00093.1	705	214962	0	694	696	99 +	3	697	135054	135749
UN14069	Rsa1.0.00016.1	1035	831256	1.00E-136	308	324	95 -	580	901	353891	354210
UN14070	Rsa1.0.02853.1	755	27281	1.00E-140	256	257	99 +	14	270	27025	27281
UN14071	Rsa1.0.00407.1	1067	191544	0	674	686	98 +	48	730	43063	43746
UN14072	Rsa1.0.14856.1	1207	3010	1.00E-166	371	396	93 -	344	739	1797	2192
UN14073	Rsa1.0.00060.1	839	502678	0	329	330	99 +	1	330	385886	386215
UN14074	Rsa1.0.00451.1	1304	322533	1.00E-56	122	125	97 -	740	864	294101	294225
UN14075	Rsa1.0.00762.1	1348	165246	0	418	433	96 +	655	1084	47997	48423
UN14076	Rsa1.0.01062.1	1274	55325	1.00E-136	255	257	99 -	3	259	38724	38978
UN14077	Rsa1.0.00558.1	804	75819	0	515	526	97 +	1	525	28298	28823

UN14078	Rsa1.0.00339.1	1362	222974	0	629	648	97 -	469	1116	89885	90532
UN14079	Rsa1.0.15452.1	1082	2597	0	970	1017	95 +	55	1070	1581	2597
UN14080	Rsa1.0.00252.1	1414	102760	0	472	478	98 -	936	1412	93559	94036
UN14081	Rsa1.0.00094.1	1330	139042	1.00E-100	216	226	95 +	302	521	134442	134667
UN14082	Rsa1.0.00822.1	1069	62891	1.00E-172	309	310	99 -	31	340	47514	47823
UN14083	Rsa1.0.03783.1	1234	20890	0	335	336	99 +	4	339	17823	18158
UN14084	Rsa1.0.01374.1	872	47047	1.00E-145	321	338	94 +	25	356	27445	27782
UN14085	Rsa1.0.01536.1	868	43747	0	462	462	100 +	407	868	28390	28851
UN14086	Rsa1.0.01688.1	964	40965	0	336	338	99 +	626	963	36521	36858
UN14087	Rsa1.0.02464.1	1106	31153	0	1067	1105	96 +	3	1106	11857	12961
UN14088	Rsa1.0.02934.1	770	26627	0	767	770	99 -	1	770	24954	25722
UN14089	Rsa1.0.00257.1	1692	102407	0	552	561	98 -	3	562	97010	97570
UN14090	Rsa1.0.01549.1	869	43543	0	797	829	96 -	17	840	31488	32312
UN14091	Rsa1.0.08645.1	1495	7087	0	754	788	95 -	448	1229	6133	6916
UN14092	Rsa1.0.00294.1	1310	144860	0	650	653	99 -	527	1179	138501	139153
UN14093	Rsa1.0.00197.1	1417	109714	1.00E-178	329	333	98 -	3	335	5607	5939
UN14094	Rsa1.0.05893.1	1437	12306	0	401	412	97 +	771	1182	8140	8551
UN14095	Rsa1.0.14124.1	810	3781	1.00E-178	319	320	99 -	1	320	239	558
UN14096	Rsa1.0.01188.1	1000	51362	0	335	338	99 +	663	1000	31071	31408
UN14097	Rsa1.0.00131.1	891	432233	1.00E-148	384	420	91 -	1	412	96212	96609
UN14098	Rsa1.0.01196.1	1420	51097	1.00E-130	246	248	99 +	1164	1410	26796	27043
UN14099	Rsa1.0.04890.1	1220	15591	1.00E-125	275	291	94 -	3	287	11260	11550
UN14100	Rsa1.0.00380.1	735	89748	1.00E-144	346	373	92 +	364	733	88066	88422
UN14101	Rsa1.0.00105.1	1610	134138	0	519	519	100 +	480	998	110004	110522
UN14102	Rsa1.0.00123.1	1864	325650	0	372	380	97 -	1	378	10390	10766
UN14103	Rsa1.0.00720.1	1267	66931	0	740	743	99 -	525	1267	14940	15682
UN14104	Rsa1.0.04027.1	515	19501	1.00E-115	288	308	93 +	209	513	6649	6952
UN14105	Rsa1.0.00949.1	850	58549	1.00E-169	323	329	98 +	522	850	39561	39887
UN14106	Rsa1.0.02082.1	2187	35228	0	341	342	99 -	1846	2187	29648	29989
UN14107	Rsa1.0.07894.1	1531	8347	0	858	877	97 +	5	878	5533	6406
UN14108	Rsa1.0.06807.1	857	10324	0	358	366	97 +	492	857	6307	6672
UN14109	Rsa1.0.01529.1	1163	43871	0	356	364	97 +	3	362	24125	24488
UN14110	Rsa1.0.00477.1	1133	81556	0	359	361	99 +	770	1130	38643	39002
UN14111	Rsa1.0.00221.1	1003	106972	0	478	511	93 +	502	1002	23856	24353
UN14112	Rsa1.0.01000.1	2016	57140	0	466	466	100 +	603	1068	6059	6524
UN14113	Rsa1.0.00216.1	803	197563	0	777	794	97 -	11	803	100207	100999
UN14114	Rsa1.0.02185.1	749	34150	0	736	737	99 -	4	740	27261	27997
UN14115	Rsa1.0.00313.1	638	96745	1.00E-142	259	260	99 -	379	638	24757	25016
UN14116	Rsa1.0.00176.1	1186	240984	0	619	623	99 -	567	1186	210440	211062

UN14117	Rsa1.0_00065.1	1327	454616	0	457	474	96 +	781	1254	235414	235887
UN14118	Rsa1.0_00018.1	1657	410899	0	1621	1656	97 +	1	1656	79100	80752
UN14119	Rsa1.0_01146.1	1020	163455	1.00E-101	202	207	97 -	279	485	24783	24989
UN14120	Rsa1.0_01538.1	1433	43733	1.00E-174	310	310	100 +	1	310	38509	38818
UN14121	Rsa1.0_00133.1	925	123768	0	921	924	99 -	1	924	84817	85740
UN14122	Rsa1.0_00087.1	1442	761073	1.00E-163	340	356	95 -	414	769	433300	433655
UN14123	Rsa1.0_01409.1	1868	151595	0	457	479	95 -	1388	1866	118264	118731
UN14124	Rsa1.0_02503.1	598	30709	1.00E-64	135	138	97 +	196	333	26114	26251
UN14125	Rsa1.0_00115.1	625	131321	0	618	627	98 -	3	625	63408	64031
UN14126	Rsa1.0_00079.1	1816	606987	0	996	1032	96 +	789	1816	38936	39952
UN14127	Rsa1.0_00347.1	933	93048	1.00E-157	298	302	98 +	326	627	68684	68984
UN14128	Rsa1.0_00483.1	940	81102	1.00E-141	327	344	95 +	572	910	51013	51353
UN14129	Rsa1.0_06939.1	791	10137	1.00E-175	318	319	99 +	472	790	4572	4889
UN14130	Rsa1.0_00111.1	709	390088	1.00E-152	404	445	90 +	270	709	75630	76052
UN14131	Rsa1.0_18035.1	1446	1685	0	689	709	97 -	731	1439	386	1094
UN14132	Rsa1.0_02020.1	1115	173211	0	546	552	98 +	564	1115	154385	154936
UN14133	Rsa1.0_00920.1	774	601703	2.00E-94	185	188	98 +	131	318	441092	441279
UN14134	Rsa1.0_03257.1	1115	24305	1.00E-130	250	253	98 +	1	252	13779	14031
UN14135	Rsa1.0_00684.1	1453	141701	0	649	671	96 -	433	1102	9545	10215
UN14136	Rsa1.0_05453.1	878	13696	0	381	386	98 -	494	878	11835	12220
UN14137	Rsa1.0_00012.1	1838	222148	0	388	390	99 -	809	1198	52405	52794
UN14138	Rsa1.0_20028.1	825	1350	0	610	629	96 -	196	823	722	1350
UN14139	Rsa1.0_04670.1	1914	16453	1.00E-179	355	366	96 -	371	735	5440	5805
UN14140	Rsa1.0_00867.1	1524	61635	0	532	547	97 +	20	566	32339	32884
UN14141	Rsa1.0_00200.1	718	162016	1.00E-168	332	340	97 +	380	718	104953	105291
UN14142	Rsa1.0_00037.1	1607	307838	1.00E-127	240	243	98 -	2	244	23059	23301
UN14143	Rsa1.0_06021.1	1433	11911	0	552	579	95 +	853	1431	5321	5899
UN14144	Rsa1.0_03951.1	622	19894	1.00E-134	287	302	95 -	241	537	10099	10400
UN14145	Rsa1.0_01879.1	1039	37748	0	383	393	97 +	645	1037	23051	23438
UN14146	Rsa1.0_00575.1	640	74791	0	404	413	97 +	3	415	62003	62415
UN14147	Rsa1.0_00089.1	1332	406142	1.00E-163	297	299	99 -	1	299	161534	161832
UN14148	Rsa1.0_15449.1	962	2599	0	937	957	97 -	10	962	1246	2194
UN14149	Rsa1.0_00477.1	956	81556	1.00E-129	242	243	99 -	474	715	43576	43818
UN14150	Rsa1.0_06311.1	782	11254	1.00E-134	263	269	97 -	514	780	1289	1557
UN14151	Rsa1.0_00273.1	1013	326186	1.00E-159	290	292	99 +	507	798	137142	137433
UN14152	Rsa1.0_01060.1	907	55368	0	570	596	95 +	323	907	42018	42613
UN14153	Rsa1.0_00096.1	1420	198773	1.00E-109	217	222	97 -	1177	1398	171703	171924
UN14154	Rsa1.0_00777.1	893	191865	1.00E-171	336	345	97 -	2	346	190877	191220
UN14155	Rsa1.0_07217.1	1647	9703	1.00E-147	373	411	90 +	727	1136	4498	4893

UN14156	Rsa1.0.02343.1	483	32374	1.00E-100	201	206	97 -	247	452	1047	1252
UN14157	Rsa1.0.04692.1	1137	16357	0	1046	1076	97 -	1	1057	12091	13163
UN14158	Rsa1.0.03415.1	782	23117	0	761	786	96 +	3	782	17879	18659
UN14159	Rsa1.0.10708.1	1616	5750	0	841	871	96 +	750	1616	1323	2188
UN14160	Rsa1.0.00007.1	941	239325	0	388	394	98 +	547	939	13415	13807
UN14161	Rsa1.0.00016.1	995	831256	1.00E-161	304	308	98 -	683	990	204584	204890
UN14162	Rsa1.0.00048.1	1097	167185	1.00E-144	306	319	95 +	779	1095	159151	159469
UN14163	Rsa1.0.04141.1	1739	18864	1.00E-141	294	306	96 +	1	299	15811	16116
UN14164	Rsa1.0.01942.1	823	37048	0	557	561	99 +	263	823	3757	4317
UN14165	Rsa1.0.00409.1	1128	146788	0	1012	1087	93 -	39	1121	145664	146716
UN14166	Rsa1.0.00630.1	1485	71281	0	592	593	99 +	4	595	59091	59683
UN14167	Rsa1.0.14339.1	783	3501	0	534	534	100 +	1	534	167	700
UN14168	Rsa1.0.00802.1	1592	63846	1.00E-145	281	286	98 +	650	934	16017	16302
UN14169	Rsa1.0.00684.1	1200	141701	0	697	724	96 -	2	725	9100	9822
UN14170	Rsa1.0.00009.1	637	232558	5.00E-79	156	158	98 -	405	562	207505	207662
UN14171	Rsa1.0.00644.1	1132	136881	1.00E-142	392	433	90 -	691	1105	62650	63077
UN14172	Rsa1.0.02079.1	1337	35306	0	524	544	96 +	794	1337	24546	25080
UN14173	Rsa1.0.00684.1	1831	141701	1.00E-136	253	255	99 +	1576	1830	24722	24976
UN14174	Rsa1.0.00009.1	1195	232558	0	460	479	96 +	1	473	29397	29875
UN14175	Rsa1.0.00303.1	1001	97468	1.00E-93	199	207	96 -	285	491	31704	31910
UN14176	Rsa1.0.00978.1	924	57739	0	353	354	99 +	571	924	20422	20775
UN14177	Rsa1.0.00016.1	1052	831256	0	443	443	100 +	2	444	353768	354210
UN14178	Rsa1.0.00032.1	1092	306326	0	602	635	94 -	440	1064	284767	285401
UN14179	Rsa1.0.00221.1	745	106972	0	497	497	100 -	32	528	8699	9195
UN14180	Rsa1.0.00097.1	735	138858	7.00E-14	98	117	83 -	229	345	106303	106419
UN14181	Rsa1.0.00272.1	1225	447836	1.00E-120	260	270	96 -	35	304	219273	219537
UN14182	Rsa1.0.00079.1	883	606987	0	459	478	96 +	405	880	66614	67086
UN14183	Rsa1.0.03463.1	1375	22724	0	528	535	98 -	841	1375	14080	14614
UN14184	Rsa1.0.03956.1	1274	19872	0	530	532	99 -	743	1274	17792	18323
UN14185	Rsa1.0.02214.1	841	161150	1.00E-124	233	234	99 +	1	233	212	445
UN14186	Rsa1.0.01434.1	1344	45951	0	778	796	97 +	550	1338	23019	23814
UN14187	Rsa1.0.00978.1	608	57739	0	565	614	92 +	12	608	12073	12666
UN14188	Rsa1.0.02962.1	992	26419	1.00E-109	263	285	92 -	717	992	11966	12250
UN14189	Rsa1.0.00396.1	816	88242	0	505	509	99 +	306	814	7161	7668
UN14190	Rsa1.0.00250.1	853	273771	0	366	371	98 -	131	500	186945	187315
UN14191	Rsa1.0.02012.1	1588	36084	1.00E-169	339	348	97 -	1	345	18461	18806
UN14192	Rsa1.0.00222.1	1327	172263	1.00E-150	280	282	99 -	1047	1327	138855	139136
UN14193	Rsa1.0.00886.1	1312	167350	0	334	337	99 -	552	888	33611	33947
UN14194	Rsa1.0.00816.1	1020	403350	0	381	382	99 +	1	382	390051	390432

UN14195	Rsa1.0.00183.1	692	113277	0	688	698	98 -	1	692	56094	56791
UN14196	Rsa1.0.00069.1	1666	403561	0	719	719	100 +	510	1228	102812	103530
UN14197	Rsa1.0.00137.1	1677	122457	0	1351	1360	99 +	123	1482	25462	26821
UN14198	Rsa1.0.01938.1	948	264018	0	650	658	98 +	6	662	156709	157365
UN14199	Rsa1.0.00477.1	1570	81556	0	461	464	99 -	1107	1570	23821	24283
UN14200	Rsa1.0.02923.1	850	26736	1.00E-128	327	354	92 +	104	453	15750	16101
UN14201	Rsa1.0.00095.1	748	283384	0	654	669	97 +	77	744	96594	97259
UN14202	Rsa1.0.02325.1	794	160025	0	357	358	99 +	436	793	20740	21097
UN14203	Rsa1.0.01937.1	769	37147	0	504	559	90 -	253	769	33650	34208
UN14204	Rsa1.0.00451.1	1079	322533	1.00E-154	360	381	94 +	705	1079	301659	302035
UN14205	Rsa1.0.00644.1	1457	136881	1.00E-151	277	279	99 +	1178	1456	44565	44843
UN14206	Rsa1.0.00604.1	979	146282	0	473	483	97 -	3	484	111511	111993
UN14207	Rsa1.0.01969.1	1362	153351	1.00E-151	274	275	99 -	242	516	13008	13282
UN14208	Rsa1.0.06653.1	1596	10596	0	681	688	98 +	908	1595	2350	3036
UN14209	Rsa1.0.03185.1	1537	24739	1.00E-136	247	247	100 +	3	249	2968	3214
UN14210	Rsa1.0.00107.1	2182	431659	1.00E-166	300	301	99 +	1882	2182	347678	347978
UN14211	Rsa1.0.04021.1	711	19536	1.00E-160	298	301	99 +	19	317	4146	4446
UN14212	Rsa1.0.02343.1	1252	32374	0	414	416	99 -	369	784	9746	10161
UN14213	Rsa1.0.00055.1	935	520193	0	767	789	97 +	149	935	339997	340776
UN14214	Rsa1.0.03249.1	1260	146254	0	433	438	98 +	2	436	22377	22812
UN14215	Rsa1.0.00012.1	2072	222148	1.00E-173	403	431	93 -	101	520	108799	109225
UN14216	Rsa1.0.00013.1	1631	292129	0	469	477	98 -	3	477	122837	123313
UN14217	Rsa1.0.01610.1	1077	42274	0	810	818	99 -	262	1073	11387	12204
UN14218	Rsa1.0.00926.1	1180	195072	0	555	564	98 -	250	813	176937	177500
UN14219	Rsa1.0.00692.1	910	68151	0	486	530	91 -	4	533	52276	52805
UN14220	Rsa1.0.00380.1	2741	89748	0	1410	1463	96 -	2	1457	56277	57727
UN14221	Rsa1.0.07591.1	715	9060	1.00E-139	308	323	95 +	392	711	6177	6499
UN14222	Rsa1.0.00015.1	682	561803	1.00E-159	422	469	89 +	102	563	483122	483579
UN14223	Rsa1.0.00569.1	747	75060	0	395	400	98 -	346	745	52754	53149
UN14224	Rsa1.0.15250.1	955	2727	0	735	751	97 +	1	750	1977	2727
UN14225	Rsa1.0.00628.1	1627	214360	0	462	464	99 +	919	1382	204637	205100
UN14226	Rsa1.0.01000.1	1393	57140	1.00E-139	276	283	97 +	2	284	16819	17100
UN14227	Rsa1.0.08811.1	1461	6904	1.00E-149	269	269	100 +	112	380	3263	3531
UN14228	Rsa1.0.01458.1	1121	175719	0	413	414	99 -	1	414	34495	34908
UN14229	Rsa1.0.04538.1	1454	16940	1.00E-131	261	267	97 -	1	266	12644	12910
UN14230	Rsa1.0.02165.1	1301	34423	0	515	516	99 +	1	516	4827	5342
UN14231	Rsa1.0.00339.1	1137	222974	1.00E-133	255	258	98 +	880	1137	40928	41184
UN14232	Rsa1.0.00751.1	875	65759	1.00E-129	266	274	97 -	603	874	42533	42806
UN14233	Rsa1.0.13800.1	1945	4315	1.00E-142	256	256	100 -	1688	1943	327	582

UN14234	Rsa1.0_00293.1	1210	339294	0	411	438	93 -	1	437	254540	254976
UN14235	Rsa1.0_01790.1	1344	39248	1.00E-160	313	320	97 -	1029	1344	17207	17526
UN14236	Rsa1.0_00676.1	985	69166	0	357	363	98 -	624	984	6802	7162
UN14237	Rsa1.0_00109.1	870	132735	0	437	442	98 -	2	443	52839	53280
UN14238	Rsa1.0_00642.1	1010	201230	4.00E-99	219	230	95 +	482	711	161379	161605
UN14239	Rsa1.0_00170.1	685	179538	0	363	364	99 -	321	684	90988	91351
UN14240	Rsa1.0_04652.1	837	16515	0	514	534	96 -	10	539	10530	11063
UN14241	Rsa1.0_00813.1	1555	63202	1.00E-140	260	262	99 -	862	1123	47779	48040
UN14242	Rsa1.0_24305.1	1095	994	1.00E-159	292	293	99 +	3	295	55	346
UN14243	Rsa1.0_09317.1	764	6459	0	571	574	99 +	188	761	5300	5873
UN14244	Rsa1.0_00205.1	695	193401	1.00E-86	211	222	95 -	456	676	99221	99438
UN14245	Rsa1.0_00294.1	1177	144860	0	1116	1174	95 +	4	1176	115494	116649
UN14246	Rsa1.0_07385.1	1064	9485	0	360	361	99 -	704	1064	2802	3162
UN14247	Rsa1.0_01838.1	1398	38500	0	429	452	94 -	1	442	17537	17988
UN14248	Rsa1.0_10486.1	1709	5830	0	396	405	97 -	1	403	1667	2071
UN14249	Rsa1.0_01053.1	1081	55483	0	749	763	98 +	324	1081	46655	47416
UN14250	Rsa1.0_03529.1	1423	22277	0	899	1010	89 -	101	1110	15606	16615
UN14251	Rsa1.0_00385.1	900	89160	1.00E-160	315	322	97 +	580	900	45744	46064
UN14252	Rsa1.0_00439.1	815	142776	0	394	395	99 +	419	813	59312	59706
UN14253	Rsa1.0_00730.1	1054	66673	0	1024	1052	97 +	1	1052	7013	8056
UN14254	Rsa1.0_03297.1	587	23969	1.00E-141	317	334	94 -	226	558	14221	14552
UN14255	Rsa1.0_00519.1	1115	197864	0	688	690	99 +	426	1115	192264	192953
UN14256	Rsa1.0_00190.1	1233	318240	0	407	408	99 +	3	410	116660	117067
UN14257	Rsa1.0_00409.1	858	146788	0	540	564	95 -	3	565	80743	81289
UN14258	Rsa1.0_01546.1	1360	43586	0	813	831	97 -	530	1360	33968	34797
UN14259	Rsa1.0_00487.1	1299	80674	0	370	383	96 -	915	1297	37979	38360
UN14260	Rsa1.0_01896.1	940	37512	1.00E-150	278	281	98 -	1	281	23896	24176
UN14261	Rsa1.0_01463.1	2923	45213	0	1113	1113	100 -	34	1146	9762	10874
UN14262	Rsa1.0_00438.1	1264	84861	0	1216	1264	96 -	25	1263	69391	70651
UN14263	Rsa1.0_00067.1	1062	415055	0	442	443	99 +	2	444	46411	46853
UN14264	Rsa1.0_01337.1	1388	47829	0	412	416	99 -	973	1388	40094	40509
UN14265	Rsa1.0_00326.1	1966	171955	0	637	655	97 +	141	795	45447	46101
UN14266	Rsa1.0_00780.1	991	147795	0	546	561	97 -	433	991	42502	43061
UN14267	Rsa1.0_00287.1	1424	98687	0	690	707	97 +	5	708	29686	30391
UN14268	Rsa1.0_01384.1	852	46803	0	449	455	98 +	400	852	41768	42222
UN14269	Rsa1.0_00644.1	1601	136881	0	349	351	99 -	3	353	41427	41777
UN14270	Rsa1.0_01259.1	1334	49754	0	421	427	98 +	907	1332	35262	35688
UN14271	Rsa1.0_05586.1	736	13263	0	446	456	97 -	281	736	9659	10111
UN14272	Rsa1.0_11549.1	1065	5473	0	513	516	99 -	548	1063	4479	4993

UN14273	Rsa1.0_09769.1	1307	6159	0	544	545	99 -	547	1091	3931	4475
UN14274	Rsa1.0_02221.1	637	33796	0	629	636	98 +	3	637	26997	27632
UN14275	Rsa1.0_06865.1	1118	10240	0	629	638	98 -	482	1118	8544	9181
UN14276	Rsa1.0_00098.1	1716	349239	0	1679	1728	97 -	1	1716	306601	308305
UN14277	Rsa1.0_00153.1	1440	192931	0	588	608	96 -	9	615	24233	24837
UN14278	Rsa1.0_23608.1	544	1037	1.00E-137	248	248	100 +	2	249	790	1037
UN14279	Rsa1.0_00868.1	1101	61630	0	649	689	94 -	412	1100	58194	58874
UN14280	Rsa1.0_04286.1	1183	18084	0	448	459	97 -	554	1011	13076	13534
UN14281	Rsa1.0_04588.1	1026	16739	9.00E-85	160	160	100 +	148	307	14592	14751
UN14282	Rsa1.0_03401.1	566	23191	1.00E-155	317	330	96 -	8	337	16158	16487
UN14283	Rsa1.0_00549.1	1183	76473	1.00E-122	289	312	92 -	866	1177	13029	13327
UN14284	Rsa1.0_01207.1	1687	141053	0	406	407	99 +	1	407	131180	131586
UN14285	Rsa1.0_01273.1	2477	49464	1.00E-124	247	251	98 -	2228	2477	18243	18492
UN14286	Rsa1.0_01792.1	1344	39227	0	784	810	96 +	537	1344	15907	16696
UN14287	Rsa1.0_00503.1	1462	79468	0	490	511	95 -	959	1462	39995	40505
UN14288	Rsa1.0_00473.1	1270	212204	1.00E-147	281	284	98 +	989	1270	73604	73886
UN14289	Rsa1.0_02569.1	1292	30002	0	793	811	97 +	483	1290	20247	21050
UN14290	Rsa1.0_02461.1	1113	31166	1.00E-173	327	333	98 -	784	1111	19449	19781
UN14291	Rsa1.0_00244.1	1438	103590	0	1289	1335	96 -	110	1438	76957	78290
UN14292	Rsa1.0_13767.1	981	4361	0	537	578	92 -	421	979	549	1118
UN14293	Rsa1.0_04141.1	999	18864	1.00E-165	311	315	98 +	2	315	15810	16124
UN14294	Rsa1.0_01585.1	1129	42806	0	513	531	96 +	589	1109	15623	16153
UN14295	Rsa1.0_00813.1	846	63202	0	814	861	94 -	3	845	18462	19321
UN14296	Rsa1.0_03643.1	1215	21607	0	634	653	97 +	13	656	20955	21607
UN14297	Rsa1.0_02060.1	1088	35528	0	675	676	99 +	413	1088	19474	20149
UN14298	Rsa1.0_01943.1	1460	37042	0	455	471	96 -	3	472	31522	31987
UN14299	Rsa1.0_00620.1	1668	71985	0	500	506	98 -	329	834	55327	55832
UN14300	Rsa1.0_00516.1	1172	78417	1.00E-143	357	386	92 +	792	1161	20048	20431
UN14301	Rsa1.0_00102.1	1337	135497	1.00E-115	248	262	94 -	1	262	51183	51434
UN14302	Rsa1.0_05326.1	764	14139	0	389	395	98 -	2	396	5288	5682
UN14303	Rsa1.0_30502.1	1296	752	1.00E-144	266	268	99 +	870	1137	483	750
UN14304	Rsa1.0_01740.1	940	39986	1.00E-127	274	287	95 -	72	352	27598	27884
UN14305	Rsa1.0_01121.1	1919	53407	0	1850	1894	97 +	32	1918	6767	8655
UN14306	Rsa1.0_02226.1	884	33726	1.00E-115	275	292	94 -	598	884	10106	10395
UN14307	Rsa1.0_05302.1	810	14212	0	449	452	99 -	359	810	6178	6629
UN14308	Rsa1.0_00224.1	1117	327530	0	462	463	99 +	655	1117	13608	14070
UN14309	Rsa1.0_00011.1	1090	225044	0	580	588	98 +	436	1023	94900	95485
UN14310	Rsa1.0_01412.1	918	46311	0	508	521	97 +	397	917	2268	2786
UN14311	Rsa1.0_16338.1	662	2190	0	345	347	99 +	4	350	392	737

UN14312	Rsa1.0_00097.1	695	138858	2.33E-156	281	287	97 -	51	337	14814	15100
UN14313	Rsa1.0_00108.1	962	478491	0	939	962	97 +	1	962	46801	47761
UN14314	Rsa1.0_00064.1	979	240927	0	655	665	98 +	315	979	132731	133392
UN14315	Rsa1.0_05217.1	1111	142938	0	428	428	100 -	682	1109	136336	136763
UN14316	Rsa1.0_05421.1	1036	13806	1.00E-123	242	248	97 -	311	558	8527	8774
UN14317	Rsa1.0_00078.1	1823	175053	0	1385	1431	96 -	391	1821	66490	67910
UN14318	Rsa1.0_02606.1	1384	29635	0	381	389	97 +	997	1384	7554	7938
UN14319	Rsa1.0_00091.1	1056	139699	0	502	526	95 -	538	1056	80669	81190
UN14320	Rsa1.0_03074.1	1190	25568	1.00E-144	262	263	99 +	659	921	11008	11270
UN14321	Rsa1.0_00008.1	1352	358124	0	422	424	99 +	7	430	14721	15144
UN14322	Rsa1.0_14939.1	1594	2948	0	481	482	99 +	799	1280	559	1040
UN14323	Rsa1.0_05778.1	1216	12656	0	836	848	98 -	2	847	7	854
UN14324	Rsa1.0_04741.1	812	16164	1.00E-156	396	431	91 -	5	419	4356	4783
UN14325	Rsa1.0_00079.1	908	606987	0	434	455	95 +	447	895	66614	67064
UN14326	Rsa1.0_36749.1	866	613	1.00E-173	327	332	98 -	352	683	195	525
UN14327	Rsa1.0_00224.1	737	327530	1.00E-107	246	260	94 +	56	312	178383	178637
UN14328	Rsa1.0_10253.1	1057	5919	0	535	539	99 +	23	561	5381	5919
UN14329	Rsa1.0_00092.1	1609	659932	1.00E-148	442	506	87 -	375	880	443401	443865
UN14330	Rsa1.0_02278.1	1156	33085	0	331	334	99 -	1	334	20639	20972
UN14331	Rsa1.0_20045.1	1122	1348	0	598	641	93 +	225	865	720	1346
UN14332	Rsa1.0_02888.1	2011	27020	0	1011	1019	99 +	993	2011	6751	7767
UN14333	Rsa1.0_00153.1	1115	192931	0	371	372	99 -	744	1115	108610	108981
UN14334	Rsa1.0_03334.1	1036	23659	1.00E-129	285	299	95 +	4	296	18754	19051
UN14335	Rsa1.0_02215.1	739	33822	0	334	335	99 -	4	338	27836	28170
UN14336	Rsa1.0_01825.1	1942	38725	0	1268	1274	99 +	622	1892	27077	28350
UN14337	Rsa1.0_03054.1	1636	25738	0	490	492	99 -	2	493	15390	15881
UN14338	Rsa1.0_03278.1	974	24125	1.00E-107	225	229	98 -	699	923	2043	2271
UN14339	Rsa1.0_13747.1	1035	4388	0	373	373	100 -	615	987	1574	1946
UN14340	Rsa1.0_03185.1	1516	24739	9.00E-86	165	166	99 -	350	515	4793	4958
UN14341	Rsa1.0_03090.1	759	25464	0	752	759	99 +	1	756	14136	14894
UN14342	Rsa1.0_00435.1	1310	317579	0	376	387	97 -	3	389	68865	69251
UN14343	Rsa1.0_00015.1	1905	561803	0	891	900	99 -	835	1728	185641	186540
UN14344	Rsa1.0_00387.1	1810	495407	0	940	981	95 -	828	1805	90908	91884
UN14345	Rsa1.0_01006.1	814	163670	1.00E-100	185	185	100 +	630	814	25073	25257
UN14346	Rsa1.0_02372.1	1515	32053	0	351	353	99 -	367	719	29549	29901
UN14347	Rsa1.0_00879.1	797	61297	1.00E-138	265	269	98 +	1	267	27909	28177
UN14348	Rsa1.0_00510.1	744	78718	0	364	367	99 -	112	478	53847	54213
UN14349	Rsa1.0_00707.1	859	190112	1.00E-124	236	238	99 -	623	859	181078	181315
UN14350	Rsa1.0_01705.1	1629	40710	1.00E-120	231	235	98 -	473	707	12391	12625

UN14351	Rsa1.0.06443.1	1043	11008	1.00E-148	298	308	96 -	737	1041	3689	3996
UN14352	Rsa1.0.00469.1	1045	82084	1.00E-118	219	220	99 -	551	770	57894	58113
UN14353	Rsa1.0.04696.1	2032	16339	0	686	765	89 +	1290	2032	10706	11462
UN14354	Rsa1.0.19120.1	1412	1477	1.00E-143	271	275	98 -	882	1156	326	600
UN14355	Rsa1.0.03668.1	1139	21483	0	634	659	96 -	18	669	2579	3235
UN14356	Rsa1.0.03513.1	1878	22349	0	395	407	97 -	1475	1878	14004	14409
UN14357	Rsa1.0.03352.1	1582	23506	1.00E-117	277	294	94 +	1285	1577	9339	9625
UN14358	Rsa1.0.05168.1	1443	14621	0	677	686	98 -	45	727	8801	9486
UN14359	Rsa1.0.00752.1	902	65756	1.00E-163	335	348	96 +	544	891	14186	14532
UN14360	Rsa1.0.01716.1	1115	40483	0	359	362	99 -	3	363	33499	33860
UN14361	Rsa1.0.00827.1	2393	62790	0	1234	1236	99 -	471	1706	22381	23616
UN14362	Rsa1.0.00533.1	1076	77375	0	562	571	98 +	1	570	1837	2406
UN14363	Rsa1.0.02918.1	977	26797	0	338	339	99 -	632	970	12962	13300
UN14364	Rsa1.0.02500.1	1494	30768	0	1428	1489	95 +	1	1483	26868	28353
UN14365	Rsa1.0.00475.1	615	81678	1.00E-172	325	330	98 +	1	330	26870	27198
UN14366	Rsa1.0.00017.1	838	752458	0	364	371	98 +	471	834	516052	516422
UN14367	Rsa1.0.03001.1	1021	26108	0	516	569	90 -	470	1021	5273	5824
UN14368	Rsa1.0.00018.1	637	410899	0	528	540	97 -	2	541	140603	141134
UN14369	Rsa1.0.00071.1	1751	345714	0	598	602	99 +	1150	1751	129522	130123
UN14370	Rsa1.0.01867.1	1023	37960	1.00E-169	337	349	96 +	235	583	17218	17566
UN14371	Rsa1.0.00133.1	1015	123768	1.00E-154	301	309	97 -	115	423	11639	11947
UN14372	Rsa1.0.00079.1	900	606987	1.00E-122	244	251	97 +	121	371	464295	464545
UN14373	Rsa1.0.00008.1	703	358124	0	332	334	99 +	96	429	194944	195277
UN14374	Rsa1.0.19809.1	815	1380	0	436	436	100 -	379	814	175	610
UN14375	Rsa1.0.06166.1	886	11583	1.00E-160	349	367	95 +	1	356	6734	7094
UN14376	Rsa1.0.00213.1	282	108167	3.00E-63	177	193	91 +	5	196	58561	58745
UN14377	Rsa1.0.00380.1	464	89748	1.00E-126	251	257	97 +	5	261	48776	49031
UN14378	Rsa1.0.00247.1	1590	103408	9.00E-86	189	198	95 -	71	268	12486	12683
UN14379	Rsa1.0.00356.1	1109	91521	0	386	386	100 -	347	732	80712	81097
UN14380	Rsa1.0.62301.1	1072	368	0	359	368	97 +	305	672	1	368
UN14381	Rsa1.0.00705.1	875	67505	0	435	451	96 +	87	536	9626	10076
UN14382	Rsa1.0.00421.1	2263	86365	1.00E-144	292	299	97 +	4	299	70153	70449
UN14383	Rsa1.0.01880.1	1148	37745	0	959	999	95 -	1	995	18288	19285
UN14384	Rsa1.0.00722.1	1252	66840	0	505	514	98 -	3	516	51173	51686
UN14385	Rsa1.0.00336.1	1151	445051	0	1094	1157	94 +	3	1149	308915	310062
UN14386	Rsa1.0.00092.1	1280	659932	1.00E-167	655	764	85 +	336	1079	124559	125307
UN14387	Rsa1.0.01296.1	1072	49035	1.00E-118	243	249	97 +	761	1009	13384	13630
UN14388	Rsa1.0.02430.1	998	31506	0	338	339	99 +	659	997	12388	12726
UN14389	Rsa1.0.18748.1	816	1541	1.00E-176	343	353	97 -	95	447	186	538

UN14390	Rsa1.0.02931.1	1163	26654	0	589	612	96 +	537	1142	5953	6560
UN14391	Rsa1.0.09236.1	1145	6540	1.00E-155	313	324	96 -	406	729	5496	5816
UN14392	Rsa1.0.00506.1	1389	79106	1.00E-148	269	270	99 -	1	270	6009	6278
UN14393	Rsa1.0.00492.1	1319	80178	1.00E-136	385	430	89 +	3	424	69251	69662
UN14394	Rsa1.0.00045.1	821	328694	1.00E-162	316	324	97 -	1	322	139224	139547
UN14395	Rsa1.0.00931.1	1302	59210	0	490	509	96 +	3	506	47749	48246
UN14396	Rsa1.0.01198.1	738	51029	0	651	654	99 -	82	735	25781	26434
UN14397	Rsa1.0.03487.1	985	22564	0	982	984	99 -	2	985	2197	3179
UN14398	Rsa1.0.00738.1	2717	66322	0	460	469	98 +	2245	2712	26036	26504
UN14399	Rsa1.0.00092.1	814	659932	1.00E-179	355	366	96 +	352	716	198161	198526
UN14400	Rsa1.0.00213.1	1220	108167	1.00E-158	293	296	98 -	925	1220	93859	94154
UN14401	Rsa1.0.09490.1	740	6335	0	699	739	94 -	3	737	4796	5510
UN14402	Rsa1.0.01471.1	773	45101	0	593	625	94 +	154	773	13923	14546
UN14403	Rsa1.0.04367.1	546	17728	1.00E-113	220	224	98 +	4	227	13666	13889
UN14404	Rsa1.0.30664.1	1251	748	0	564	566	99 +	119	684	1	566
UN14405	Rsa1.0.08529.1	2042	7233	0	520	552	94 +	824	1371	6697	7233
UN14406	Rsa1.0.00963.1	679	58176	0	667	677	98 +	1	677	10188	10863
UN14407	Rsa1.0.01595.1	1064	175383	1.00E-129	257	262	98 +	3	263	5818	6078
UN14408	Rsa1.0.01287.1	4544	49195	0	743	838	88 +	63	893	18785	19604
UN14409	Rsa1.0.00863.1	1124	254535	1.00E-171	321	324	99 -	3	324	210902	211224
UN14410	Rsa1.0.02601.1	1547	29654	0	523	559	93 +	1	549	3232	3790
UN14411	Rsa1.0.34178.1	635	663	0	406	407	99 -	226	632	7	412
UN14412	Rsa1.0.02916.1	1465	26809	0	419	432	96 -	1	428	5584	6013
UN14413	Rsa1.0.47960.1	1093	472	1.00E-115	226	231	97 +	447	677	135	365
UN14414	Rsa1.0.07055.1	1595	9970	0	458	459	99 +	1137	1594	2701	3159
UN14415	Rsa1.0.03282.1	894	24107	0	558	571	97 -	3	573	10595	11159
UN14416	Rsa1.0.04258.1	784	18254	0	408	416	98 +	3	415	2361	2776
UN14417	Rsa1.0.09003.1	1474	6717	0	344	344	100 -	3	346	2979	3322
UN14418	Rsa1.0.01573.1	1470	42964	1.00E-171	335	345	97 -	1126	1470	2655	2999
UN14419	Rsa1.0.00066.1	976	152418	1.00E-124	254	261	97 -	709	967	53160	53419
UN14420	Rsa1.0.05489.1	1135	13562	0	733	751	97 -	388	1135	12145	12894
UN14421	Rsa1.0.01403.1	759	46453	5.00E-95	216	227	95 -	3	228	26363	26586
UN14422	Rsa1.0.05611.1	817	13193	0	538	554	97 +	1	554	2576	3128
UN14423	Rsa1.0.00896.1	1387	60509	0	608	625	97 +	173	797	16901	17525
UN14424	Rsa1.0.02080.1	1448	35297	0	1324	1360	97 -	38	1396	22495	23851
UN14425	Rsa1.0.02389.1	1335	146428	0	1021	1039	98 +	3	1036	137834	138869
UN14426	Rsa1.0.02362.1	713	32190	0	414	414	100 -	299	712	24732	25145
UN14427	Rsa1.0.00869.1	1647	61627	0	333	333	100 -	848	1180	42825	43157
UN14428	Rsa1.0.00087.1	927	761073	1.00E-170	348	358	97 -	1	353	225356	225712

UN14429	Rsa1.0_00340.1	636	305782	1.00E-153	352	375	93 -	277	636	159725	160093
UN14430	Rsa1.0_00178.1	678	114861	1.00E-130	288	302	95 +	374	674	12165	12462
UN14431	Rsa1.0_10893.1	907	5687	1.00E-170	312	315	99 +	431	745	236	550
UN14432	Rsa1.0_01144.1	1490	52431	0	419	432	96 +	1060	1490	42305	42732
UN14433	Rsa1.0_00163.1	1524	116847	0	446	471	94 +	1059	1523	83512	83980
UN14434	Rsa1.0_00216.1	901	197563	1.00E-89	213	227	93 -	3	229	51876	52090
UN14435	Rsa1.0_00718.1	1051	279335	0	515	515	100 -	2	516	34460	34974
UN14436	Rsa1.0_00576.1	760	178949	1.00E-148	296	302	98 +	41	339	2749	3049
UN14437	Rsa1.0_01033.1	965	56173	0	555	570	97 +	1	568	48521	49090
UN14438	Rsa1.0_03261.1	1005	24281	0	439	441	99 -	2	442	5213	5653
UN14439	Rsa1.0_00595.1	822	341648	1.00E-138	272	278	97 -	1	278	4003	4279
UN14440	Rsa1.0_02365.1	886	32118	0	540	593	91 +	20	587	29274	29863
UN14441	Rsa1.0_00324.1	1261	218805	1.00E-168	326	333	97 +	929	1261	182824	183151
UN14442	Rsa1.0_00527.1	955	77733	0	474	477	99 -	479	955	24551	25027
UN14443	Rsa1.0_00128.1	563	228675	1.00E-103	237	248	95 -	9	252	61319	61564
UN14444	Rsa1.0_00526.1	1266	169279	0	322	322	100 -	945	1266	139659	139980
UN14445	Rsa1.0_00022.1	1465	200461	0	546	556	98 +	497	1052	120556	121111
UN14446	Rsa1.0_00447.1	939	84051	0	381	382	99 +	1	382	56157	56538
UN14447	Rsa1.0_01173.1	1386	51727	0	399	412	96 +	968	1379	1555	1966
UN14448	Rsa1.0_00014.1	1608	348985	0	898	915	98 -	707	1608	267787	268701
UN14449	Rsa1.0_02963.1	1387	26407	1.00E-132	263	271	97 -	889	1159	13077	13347
UN14450	Rsa1.0_03491.1	756	22541	0	560	585	95 -	38	615	8996	9580
UN14451	Rsa1.0_00197.1	695	109714	1.00E-174	313	314	99 -	101	414	78615	78928
UN14452	Rsa1.0_00033.1	1250	515811	1.00E-145	265	266	99 +	274	539	354853	355118
UN14453	Rsa1.0_02692.1	634	28626	0	517	535	96 +	5	539	1031	1561
UN14454	Rsa1.0_01374.1	826	47047	0	524	532	98 +	294	824	32469	32996
UN14455	Rsa1.0_00082.1	1849	237584	1.00E-114	225	230	97 +	727	956	137067	137296
UN14456	Rsa1.0_04652.1	825	16515	0	359	361	99 -	1	361	4833	5193
UN14457	Rsa1.0_00387.1	1221	495407	0	885	924	95 -	1	924	409522	410423
UN14458	Rsa1.0_00851.1	738	62181	0	443	454	97 -	5	451	8707	9160
UN14459	Rsa1.0_00009.1	1267	232558	1.00E-167	298	298	100 -	970	1267	53644	53941
UN14460	Rsa1.0_00663.1	1808	164969	0	523	528	99 -	944	1471	96870	97397
UN14461	Rsa1.0_02678.1	1281	135053	1.00E-179	318	318	100 +	964	1281	112508	112825
UN14462	Rsa1.0_00312.1	912	96765	0	578	579	99 -	1	579	67883	68461
UN14463	Rsa1.0_01469.1	1106	45139	1.00E-117	223	226	98 +	61	286	18180	18405
UN14464	Rsa1.0_01707.1	866	40686	5.00E-86	162	162	100 -	682	843	30412	30573
UN14465	Rsa1.0_00022.1	1421	200461	0	822	838	98 -	584	1419	67747	68575
UN14466	Rsa1.0_05654.1	1512	13042	0	497	503	98 +	694	1196	8195	8697
UN14467	Rsa1.0_00001.1	1531	363028	0	400	400	100 -	1132	1531	284448	284847

UN14468	Rsa1.0.00147.1	1302	249503	0	1268	1304	97 -	2	1301	240704	242005
UN14469	Rsa1.0.00891.1	1208	60724	1.00E-152	274	274	100 -	3	276	57400	57673
UN14470	Rsa1.0.24632.1	826	976	1.00E-149	283	288	98 +	451	738	570	857
UN14471	Rsa1.0.04806.1	709	15898	0	559	586	95 +	130	709	7069	7646
UN14472	Rsa1.0.05784.1	1001	12643	0	411	425	96 +	576	1000	1645	2068
UN14473	Rsa1.0.08115.1	928	7882	0	634	641	98 +	281	921	3894	4534
UN14474	Rsa1.0.00067.1	941	415055	0	591	592	99 +	349	940	82824	83415
UN14475	Rsa1.0.00019.1	1921	301669	1.00E-145	275	278	98 +	42	319	33034	33310
UN14476	Rsa1.0.00028.1	1309	293984	0	902	912	98 -	404	1309	234590	235501
UN14477	Rsa1.0.00592.1	1045	73788	0	369	370	99 -	676	1045	24088	24457
UN14478	Rsa1.0.02560.1	925	30091	0	341	343	99 +	374	716	7721	8063
UN14479	Rsa1.0.00187.1	912	393093	0	403	413	97 +	49	460	212118	212530
UN14480	Rsa1.0.00100.1	781	249232	1.00E-179	406	432	93 +	300	728	13427	13856
UN14481	Rsa1.0.05864.1	849	12387	1.00E-108	257	272	94 +	1	272	9901	10165
UN14482	Rsa1.0.00688.1	1052	68396	1.00E-110	260	278	93 -	1	273	14821	15097
UN14483	Rsa1.0.00253.1	1168	231292	1.00E-110	246	259	94 -	907	1164	124380	124638
UN14484	Rsa1.0.00782.1	1619	64468	0	530	567	93 +	1062	1619	28205	28758
UN14485	Rsa1.0.00582.1	979	74333	0	588	604	97 +	1	604	18904	19507
UN14486	Rsa1.0.00407.1	835	191544	1.00E-160	325	335	97 -	497	829	24358	24688
UN14487	Rsa1.0.03916.1	1346	20117	0	567	572	99 -	777	1345	17771	18342
UN14488	Rsa1.0.00266.1	2855	163932	0	1167	1212	96 -	951	2158	9927	11135
UN14489	Rsa1.0.00049.1	1580	167018	0	625	639	97 -	942	1580	127386	128019
UN14490	Rsa1.0.00252.1	1321	102760	1.00E-142	275	281	97 +	377	657	43752	44032
UN14491	Rsa1.0.00144.1	1008	120708	0	448	451	99 +	3	453	45117	45567
UN14492	Rsa1.0.03981.1	474	19724	1.00E-127	296	315	93 +	98	411	17481	17789
UN14493	Rsa1.0.01717.1	755	143162	1.00E-140	270	276	97 -	140	415	15704	15979
UN14494	Rsa1.0.01303.1	998	48853	0	385	400	96 +	599	998	15291	15689
UN14495	Rsa1.0.01273.1	1402	49464	0	358	362	98 -	21	382	32716	33077
UN14496	Rsa1.0.00110.1	1237	132719	0	549	579	94 +	649	1227	6854	7417
UN14497	Rsa1.0.00764.1	1434	65056	0	1213	1232	98 -	204	1434	51993	53224
UN14498	Rsa1.0.00471.1	1165	81897	0	397	397	100 +	765	1161	4146	4542
UN14499	Rsa1.0.00008.1	494	358124	1.00E-134	283	295	95 +	200	493	30632	30926
UN14500	Rsa1.0.01376.1	976	47004	1.00E-96	226	238	94 +	59	295	22550	22778
UN14501	Rsa1.0.00009.1	1496	232558	1.00E-131	270	278	97 -	1220	1496	40696	40972
UN14502	Rsa1.0.00026.1	829	327835	0	820	827	99 -	5	829	44003	44829
UN14503	Rsa1.0.08154.1	707	7823	1.00E-131	247	250	98 +	3	252	4183	4432
UN14504	Rsa1.0.00120.1	754	277288	0	370	382	96 -	22	403	266327	266707
UN14505	Rsa1.0.00190.1	693	318240	1.00E-141	356	388	91 +	3	379	91417	91801
UN14506	Rsa1.0.01546.1	942	43586	0	889	918	96 +	7	921	30264	31174

UN14507	Rsa1.0_00707.1	866	190112	0	625	634	98 +	17	648	17632	18264
UN14508	Rsa1.0_00019.1	1760	301669	0	1104	1160	95 -	475	1629	280293	281443
UN14509	Rsa1.0_01420.1	2143	46210	0	847	884	95 -	1	868	8853	9736
UN14510	Rsa1.0_15692.1	822	2478	1.00E-147	350	375	93 +	2	369	686	1057
UN14511	Rsa1.0_02357.1	797	32220	0	332	335	99 -	452	786	11445	11779
UN14512	Rsa1.0_00408.1	1713	176752	0	441	463	95 -	272	734	134345	134803
UN14513	Rsa1.0_00509.1	1056	78829	0	363	372	97 -	685	1056	17051	17419
UN14514	Rsa1.0_00110.1	970	132719	1.00E-168	325	331	98 -	637	966	91299	91627
UN14515	Rsa1.0_00284.1	1553	323267	0	624	642	97 +	911	1552	243413	244042
UN14516	Rsa1.0_00426.1	1074	85668	1.00E-101	253	270	93 +	8	274	32315	32577
UN14517	Rsa1.0_03263.1	1404	24268	0	1045	1128	92 +	295	1403	20569	21667
UN14518	Rsa1.0_00879.1	846	61297	1.00E-153	300	307	97 +	541	846	38364	38670
UN14519	Rsa1.0_00804.1	792	63726	1.00E-141	275	282	97 -	364	645	16086	16367
UN14520	Rsa1.0_14032.1	980	3893	1.00E-157	322	334	96 +	647	980	3098	3426
UN14521	Rsa1.0_01244.1	1535	50061	0	417	419	99 -	1	419	30687	31105
UN14522	Rsa1.0_00184.1	1415	218748	0	587	600	97 -	675	1274	80617	81213
UN14523	Rsa1.0_01104.1	1637	285480	1.00E-130	345	383	90 +	1	363	266601	266983
UN14524	Rsa1.0_00337.1	933	143174	0	525	535	98 +	403	931	4654	5188
UN14525	Rsa1.0_03837.1	1900	20559	0	387	388	99 -	1253	1640	20172	20559
UN14526	Rsa1.0_00366.1	599	90880	0	570	597	95 +	3	597	25892	26478
UN14527	Rsa1.0_00140.1	2242	121541	1.00E-158	343	363	94 -	106	468	49081	49443
UN14528	Rsa1.0_06546.1	1248	10801	1.00E-145	274	278	98 -	538	815	4522	4799
UN14529	Rsa1.0_07681.1	1076	8808	1.00E-176	314	314	100 -	58	371	2441	2754
UN14530	Rsa1.0_00298.1	1685	349131	1.00E-111	211	213	99 +	960	1172	177311	177523
UN14531	Rsa1.0_01754.1	714	39792	0	658	673	97 -	43	712	13161	13830
UN14532	Rsa1.0_00805.1	804	63724	0	428	454	94 +	351	804	43181	43621
UN14533	Rsa1.0_01034.1	737	56046	0	362	367	98 +	312	678	35993	36359
UN14534	Rsa1.0_00163.1	814	116847	1.00E-169	302	302	100 +	135	436	66573	66874
UN14535	Rsa1.0_00191.1	826	316976	0	418	426	98 -	2	427	42419	42844
UN14536	Rsa1.0_00316.1	1297	96264	0	499	509	98 -	3	511	85542	86050
UN14537	Rsa1.0_00032.1	684	306326	1.00E-130	266	276	96 +	36	311	154752	155027
UN14538	Rsa1.0_00354.1	835	232005	9.00E-97	256	279	91 -	1	273	170578	170849
UN14539	Rsa1.0_00191.1	1567	316976	0	419	424	98 -	233	655	259269	259692
UN14540	Rsa1.0_00928.1	1156	59293	0	359	359	100 -	796	1154	19222	19580
UN14541	Rsa1.0_01005.1	1409	56967	1.00E-162	302	306	98 -	1089	1394	2548	2853
UN14542	Rsa1.0_00235.1	1517	154696	0	415	415	100 +	1092	1506	101650	102064
UN14543	Rsa1.0_00001.1	405	363028	1.00E-91	171	171	100 +	229	399	314318	314488
UN14544	Rsa1.0_00034.1	870	260119	1.00E-157	320	330	96 -	1	327	67803	68129
UN14545	Rsa1.0_07657.1	1182	8896	0	549	564	97 +	622	1180	3516	4079

UN14546	Rsa1.0.01422.1	1157	46172	0	481	501	96 -	657	1157	10164	10663
UN14547	Rsa1.0.01519.1	989	44144	0	579	594	97 -	400	989	11559	12151
UN14548	Rsa1.0.00425.1	1565	147080	0	1236	1246	99 +	320	1565	2361	3603
UN14549	Rsa1.0.00545.1	1078	189649	1.00E-148	282	287	98 -	792	1078	35014	35300
UN14550	Rsa1.0.02944.1	1322	26553	0	573	576	99 -	418	993	4612	5186
UN14551	Rsa1.0.00145.1	958	261008	0	348	349	99 +	2	349	38513	38861
UN14552	Rsa1.0.07601.1	969	9051	0	857	875	97 -	95	969	1300	2173
UN14553	Rsa1.0.01071.1	1198	166914	0	402	402	100 -	797	1198	14006	14407
UN14554	Rsa1.0.03093.1	1545	25445	0	816	839	97 +	709	1541	14489	15324
UN14555	Rsa1.0.01521.1	1724	142147	0	1102	1117	98 +	3	1119	105710	106826
UN14556	Rsa1.0.01364.1	1490	47172	0	641	661	96 -	3	660	35965	36617
UN14557	Rsa1.0.00050.1	1863	237174	0	350	353	99 +	4	355	34014	34366
UN14558	Rsa1.0.00169.1	935	274298	0	503	513	98 -	423	935	270670	271182
UN14559	Rsa1.0.00326.1	1005	171955	4.00E-96	282	314	89 -	1	313	65824	66115
UN14560	Rsa1.0.00947.1	1000	58664	0	473	499	94 +	484	979	10169	10666
UN14561	Rsa1.0.00300.1	1307	97747	0	545	565	96 +	73	625	81510	82074
UN14562	Rsa1.0.09069.1	1601	6671	0	470	483	97 +	413	895	2813	3295
UN14563	Rsa1.0.00169.1	1239	274298	0	437	460	95 -	2	460	239066	239524
UN14564	Rsa1.0.01462.1	542	45231	2.00E-69	207	228	90 -	3	227	25946	26166
UN14565	Rsa1.0.08961.1	1019	6750	0	407	429	94 -	591	1017	4329	4752
UN14566	Rsa1.0.02306.1	958	32776	0	834	958	87 -	1	947	31298	32254
UN14567	Rsa1.0.01214.1	1270	50599	0	442	473	93 -	1	456	46274	46746
UN14568	Rsa1.0.54426.1	1024	419	1.00E-147	312	324	96 -	3	325	1	322
UN14569	Rsa1.0.00224.1	1604	327530	0	882	897	98 -	711	1604	38370	39264
UN14570	Rsa1.0.01981.1	645	36537	0	396	410	96 -	3	412	34743	35147
UN14571	Rsa1.0.00038.1	969	314568	0	431	435	99 -	535	969	252468	252902
UN14572	Rsa1.0.00420.1	1234	86496	1.00E-151	296	302	98 -	934	1232	67335	67635
UN14573	Rsa1.0.00015.1	737	561803	1.00E-155	419	468	89 +	158	614	483122	483579
UN14574	Rsa1.0.08265.1	878	7630	1.00E-179	419	436	96 -	458	878	6623	7058
UN14575	Rsa1.0.03325.1	2018	23720	0	393	396	99 -	1623	2018	6758	7150
UN14576	Rsa1.0.01666.1	1621	173972	0	435	447	97 +	1174	1620	4179	4625
UN14577	Rsa1.0.08225.1	1246	7695	0	746	770	96 -	481	1246	4138	4907
UN14578	Rsa1.0.02812.1	1120	27660	0	511	534	95 -	6	530	2883	3415
UN14579	Rsa1.0.00012.1	1399	222148	0	1352	1396	96 -	2	1394	102565	103958
UN14580	Rsa1.0.00121.1	816	278029	0	584	585	99 +	2	586	55530	56114
UN14581	Rsa1.0.01717.1	803	143162	1.00E-138	265	270	98 +	1	270	14895	15164
UN14582	Rsa1.0.00179.1	809	393324	1.00E-160	308	315	97 -	495	809	200102	200416
UN14583	Rsa1.0.08102.1	1541	7901	1.00E-114	408	475	85 +	12	465	521	969
UN14584	Rsa1.0.03668.1	1840	21483	0	834	854	97 +	510	1363	13253	14106

UN14585	Rsa1.0_00079.1	866	606987	1.00E-160	334	347	96 -	517	863	464201	464545
UN14586	Rsa1.0_11741.1	1501	5423	0	482	500	96 -	412	908	4597	5096
UN14587	Rsa1.0_02142.1	1268	34633	1.00E-121	224	225	99 +	884	1108	16828	17052
UN14588	Rsa1.0_00646.1	882	70473	1.00E-58	140	148	94 +	731	878	7599	7746
UN14589	Rsa1.0_00321.1	864	95671	0	418	431	96 +	2	424	26911	27341
UN14590	Rsa1.0_00890.1	591	323870	1.00E-131	278	290	95 +	14	303	178708	178996
UN14591	Rsa1.0_00204.1	1262	109056	0	479	494	96 +	769	1262	9815	10308
UN14592	Rsa1.0_00065.1	1063	454616	0	980	991	98 -	73	1063	430845	431834
UN14593	Rsa1.0_03770.1	1138	20952	0	472	475	99 -	9	483	5875	6349
UN14594	Rsa1.0_00390.1	1030	88681	1.00E-176	328	332	98 -	696	1027	14406	14735
UN14595	Rsa1.0_02253.1	1240	33356	1.00E-119	224	226	99 +	1015	1240	25657	25882
UN14596	Rsa1.0_01193.1	920	51147	0	893	912	97 +	5	916	39664	40573
UN14597	Rsa1.0_00526.1	1121	169279	0	498	511	97 +	433	943	148049	148559
UN14598	Rsa1.0_23965.1	1059	1014	0	393	401	98 +	665	1059	374	773
UN14599	Rsa1.0_00102.1	1352	135497	0	1320	1357	97 +	1	1351	39742	41095
UN14600	Rsa1.0_00964.1	1237	316648	0	966	1000	96 +	253	1237	301610	302604
UN14601	Rsa1.0_00015.1	1917	561803	0	863	902	95 +	189	1083	185641	186540
UN14602	Rsa1.0_00263.1	1796	224968	0	380	392	96 +	1407	1796	151524	151911
UN14603	Rsa1.0_00866.1	1335	61676	0	524	544	96 -	798	1335	29494	30037
UN14604	Rsa1.0_00315.1	990	96426	1.00E-138	265	270	98 -	502	771	2999	3268
UN14605	Rsa1.0_02101.1	1476	35017	0	412	412	100 -	403	814	28859	29270
UN14606	Rsa1.0_02210.1	765	33857	0	484	500	96 +	15	512	30230	30727
UN14607	Rsa1.0_00978.1	806	57739	0	454	476	95 +	337	806	14018	14493
UN14608	Rsa1.0_00373.1	1008	90296	1.00E-118	222	224	99 -	303	526	73915	74138
UN14609	Rsa1.0_10516.1	484	5818	1.00E-114	218	221	98 -	119	339	4536	4756
UN14610	Rsa1.0_28434.1	1241	815	0	438	438	100 +	802	1239	48	485
UN14611	Rsa1.0_00002.1	1341	601661	1.00E-161	292	293	99 -	1047	1339	293447	293739
UN14612	Rsa1.0_00558.1	1916	75819	0	771	771	100 -	8	778	56040	56810
UN14613	Rsa1.0_05611.1	993	13193	0	524	538	97 -	456	993	9250	9781
UN14614	Rsa1.0_00398.1	1039	88007	0	507	539	94 -	1	524	86450	86984
UN14615	Rsa1.0_05544.1	849	13381	1.00E-169	307	309	99 -	3	311	8507	8815
UN14616	Rsa1.0_02959.1	1403	26441	0	393	417	94 +	14	421	20181	20597
UN14617	Rsa1.0_00271.1	1460	101125	1.00E-131	239	239	100 +	96	334	95742	95980
UN14618	Rsa1.0_00179.1	1591	393324	0	546	555	98 -	3	556	336310	336860
UN14619	Rsa1.0_02366.1	754	32110	1.00E-149	271	272	99 -	481	752	9096	9367
UN14620	Rsa1.0_00048.1	1145	167185	0	372	378	98 +	378	755	75719	76096
UN14621	Rsa1.0_00727.1	1537	66724	0	686	727	94 +	3	708	44991	45714
UN14622	Rsa1.0_01195.1	1095	147988	0	569	590	96 +	1	586	8316	8901
UN14623	Rsa1.0_00480.1	1387	81325	0	348	349	99 -	1039	1387	41821	42169

UN14624	Rsa1.0_01054.1	2075	55470	0	1212	1215	99 -	3	1216	9825	11039
UN14625	Rsa1.0_14764.1	1724	3084	0	748	753	99 -	972	1724	1882	2634
UN14626	Rsa1.0_00328.1	1318	224661	0	543	559	97 +	489	1047	136232	136790
UN14627	Rsa1.0_03325.1	1814	23720	1.00E-165	318	324	98 -	1489	1811	14655	14978
UN14628	Rsa1.0_00017.1	927	752458	1.00E-179	324	326	99 -	238	563	467038	467363
UN14629	Rsa1.0_02237.1	1136	33544	0	387	395	97 -	344	738	17873	18264
UN14630	Rsa1.0_00302.1	1619	97521	0	631	653	96 -	844	1490	62037	62689
UN14631	Rsa1.0_04989.1	697	15217	0	523	535	97 -	1	534	2322	2853
UN14632	Rsa1.0_04662.1	1069	16477	0	652	660	98 -	2	661	4459	5118
UN14633	Rsa1.0_03713.1	737	21221	1.00E-153	280	282	99 +	6	287	16173	16454
UN14634	Rsa1.0_04332.1	842	17869	0	834	840	99 -	3	842	10897	11736
UN14635	Rsa1.0_00079.1	991	606987	0	338	340	99 +	648	987	41615	41954
UN14636	Rsa1.0_01783.1	1597	39383	0	382	399	95 +	1094	1492	15244	15632
UN14637	Rsa1.0_15775.1	1073	2429	1.00E-116	218	220	99 +	547	766	1	220
UN14638	Rsa1.0_00251.1	791	303968	0	462	498	92 +	1	484	114386	114876
UN14639	Rsa1.0_00111.1	788	390088	1.00E-129	235	235	100 +	554	788	321110	321344
UN14640	Rsa1.0_01214.1	1100	50599	0	680	695	97 +	404	1098	49762	50456
UN14641	Rsa1.0_03609.1	1560	21798	0	484	495	97 -	4	496	8147	8641
UN14642	Rsa1.0_09813.1	1760	6138	0	524	529	99 +	1141	1669	5191	5719
UN14643	Rsa1.0_02373.1	1580	32048	0	689	689	100 -	6	694	30160	30848
UN14644	Rsa1.0_00221.1	2034	106972	0	1349	1394	96 -	87	1474	101680	103060
UN14645	Rsa1.0_07573.1	1181	9101	0	785	796	98 +	28	823	5990	6785
UN14646	Rsa1.0_00063.1	932	156150	1.00E-175	321	323	99 +	610	932	138349	138670
UN14647	Rsa1.0_01410.1	740	46345	0	334	336	99 +	110	445	33684	34019
UN14648	Rsa1.0_00816.1	1265	403350	1.00E-128	336	366	91 +	5	363	109825	110180
UN14649	Rsa1.0_00021.1	1106	263655	1.00E-121	271	290	93 +	829	1106	186306	186595
UN14650	Rsa1.0_02442.1	520	31355	1.00E-132	261	267	97 +	1	267	12539	12804
UN14651	Rsa1.0_00008.1	1696	358124	0	1616	1711	94 +	1	1696	62808	64514
UN14652	Rsa1.0_00048.1	735	167185	1.00E-178	349	357	97 -	116	471	2507	2862
UN14653	Rsa1.0_01070.1	1789	55099	2.00E-71	189	203	93 -	1590	1789	31371	31570
UN14654	Rsa1.0_00571.1	1334	329018	0	739	767	96 -	349	1112	145078	145844
UN14655	Rsa1.0_00502.1	1054	204180	0	456	464	98 +	595	1054	46632	47095
UN14656	Rsa1.0_00888.1	1601	60978	0	606	615	98 -	576	1190	22815	23429
UN14657	Rsa1.0_00071.1	1826	345714	0	875	906	96 -	1	903	105124	106018
UN14658	Rsa1.0_00601.1	869	177045	0	361	361	100 -	509	869	26136	26496
UN14659	Rsa1.0_00657.1	1263	69858	1.00E-168	318	323	98 -	1	323	9457	9777
UN14660	Rsa1.0_00942.1	786	58873	1.00E-152	341	357	95 +	429	784	3175	3527
UN14661	Rsa1.0_00414.1	983	202190	0	485	517	93 -	96	607	66934	67447
UN14662	Rsa1.0_00079.1	1255	606987	0	703	739	95 +	519	1253	4648	5383

UN14663	Rsa1.0.02681.1	729	28711	1.00E-137	263	268	98 +	160	427	6017	6284
UN14664	Rsa1.0.00110.1	934	132719	1.00E-151	308	320	96 +	590	909	92532	92851
UN14665	Rsa1.0.02931.1	933	26654	0	886	927	95 -	6	932	12851	13774
UN14666	Rsa1.0.02700.1	1633	28584	1.00E-133	256	261	98 +	1	261	12453	12713
UN14667	Rsa1.0.00359.1	1274	91256	1.00E-118	267	279	95 +	997	1271	90578	90854
UN14668	Rsa1.0.07344.1	1484	9528	0	868	904	96 -	1	904	5897	6793
UN14669	Rsa1.0.03045.1	871	25787	0	545	569	95 +	1	566	5846	6403
UN14670	Rsa1.0.01020.1	1544	56619	1.00E-162	291	291	100 +	3	293	32289	32579
UN14671	Rsa1.0.00169.1	1449	274298	1.00E-156	341	358	95 -	3	359	31558	31911
UN14672	Rsa1.0.00855.1	1483	62047	0	381	394	96 +	1098	1483	18514	18903
UN14673	Rsa1.0.00027.1	1698	283362	1.00E-163	295	296	99 +	1402	1697	137431	137726
UN14674	Rsa1.0.00221.1	1456	106972	0	525	539	97 -	925	1454	49096	49634
UN14675	Rsa1.0.05643.1	880	13065	0	443	454	97 -	430	879	2340	2793
UN14676	Rsa1.0.01596.1	1435	42595	1.00E-131	239	239	100 +	3	241	37756	37994
UN14677	Rsa1.0.01626.1	1029	41989	1.00E-106	214	220	97 +	1	220	716	935
UN14678	Rsa1.0.00213.1	904	108167	1.00E-170	306	307	99 -	3	309	13319	13625
UN14679	Rsa1.0.00533.1	807	77375	0	401	403	99 -	399	801	52421	52822
UN14680	Rsa1.0.00486.1	1502	80875	0	564	590	95 +	3	587	14780	15369
UN14681	Rsa1.0.00491.1	930	80219	0	436	457	95 -	466	920	15740	16192
UN14682	Rsa1.0.00816.1	1075	403350	0	366	368	99 -	2	369	4316	4683
UN14683	Rsa1.0.01060.1	868	55368	0	554	561	98 +	304	861	42018	42578
UN14684	Rsa1.0.00237.1	961	235974	0	444	454	97 +	76	527	83061	83514
UN14685	Rsa1.0.00382.1	1541	251946	0	440	458	96 -	7	461	107859	108310
UN14686	Rsa1.0.00018.1	1289	410899	0	521	522	99 +	768	1289	115333	115854
UN14687	Rsa1.0.01436.1	1781	45894	0	798	897	88 -	380	1272	35342	36229
UN14688	Rsa1.0.01480.1	1391	44926	0	912	919	99 -	3	921	26422	27340
UN14689	Rsa1.0.00001.1	866	363028	1.00E-166	344	361	95 -	485	836	314899	315259
UN14690	Rsa1.0.01716.1	2399	40483	0	1012	1041	97 -	821	1854	31373	32410
UN14691	Rsa1.0.00018.1	1450	410899	0	620	621	99 +	3	623	61841	62461
UN14692	Rsa1.0.04470.1	1205	17204	0	922	936	98 +	22	953	13580	14515
UN14693	Rsa1.0.01735.1	1344	40128	0	463	470	98 +	98	567	25629	26098
UN14694	Rsa1.0.01008.1	1471	56924	0	398	398	100 +	1	398	3644	4041
UN14695	Rsa1.0.11168.1	1002	5597	1.00E-131	293	310	94 +	693	998	541	848
UN14696	Rsa1.0.00734.1	801	66508	1.00E-142	260	261	99 +	3	263	56019	56279
UN14697	Rsa1.0.03377.1	1911	23322	0	889	892	99 +	714	1605	16518	17409
UN14698	Rsa1.0.00121.1	596	278029	6.00E-88	213	229	93 -	380	594	110609	110836
UN14699	Rsa1.0.00111.1	1621	390088	0	377	394	95 -	917	1310	381107	381500
UN14700	Rsa1.0.01094.1	796	167285	0	367	370	99 -	1	369	12558	12927
UN14701	Rsa1.0.05336.1	927	14117	0	863	892	96 +	37	927	3678	4556

UN14702	Rsa1.0.00344.1	866	191774	1.00E-166	311	316	98 +	466	781	135888	136203
UN14703	Rsa1.0.34955.1	1304	647	0	358	359	99 -	947	1304	33	391
UN14704	Rsa1.0.00716.1	1022	67078	0	437	439	99 -	385	823	80	518
UN14705	Rsa1.0.08779.1	1360	6929	0	1287	1301	98 -	1	1301	2033	3332
UN14706	Rsa1.0.25122.1	1726	950	0	516	516	100 -	394	909	313	828
UN14707	Rsa1.0.03405.1	3678	23166	0	357	357	100 -	2331	2687	18369	18725
UN14708	Rsa1.0.00469.1	1187	82084	1.00E-101	199	202	98 +	986	1187	70000	70199
UN14709	Rsa1.0.16159.1	1294	2262	0	363	367	98 +	497	863	1340	1706
UN14710	Rsa1.0.02910.1	1285	26843	1.00E-167	298	298	100 -	986	1283	20202	20499
UN14711	Rsa1.0.00080.1	1568	190437	0	1405	1406	99 +	1	1406	104272	105677
UN14712	Rsa1.0.00640.1	1721	70979	1.00E-161	313	322	97 +	1	322	42873	43186
UN14713	Rsa1.0.00765.1	898	65029	1.00E-133	241	241	100 +	1	241	25088	25328
UN14714	Rsa1.0.00143.1	716	121313	0	658	676	97 +	41	716	31025	31699
UN14715	Rsa1.0.01632.1	639	181224	1.00E-161	350	371	94 -	4	362	27928	28294
UN14716	Rsa1.0.00964.1	555	316648	0	540	557	96 -	2	555	167658	168214
UN14717	Rsa1.0.04542.1	1463	16930	0	388	389	99 +	1075	1463	13253	13641
UN14718	Rsa1.0.01484.1	947	44806	0	538	539	99 +	407	945	21799	22337
UN14719	Rsa1.0.01608.1	1075	170540	0	360	366	98 -	348	713	35343	35708
UN14720	Rsa1.0.00550.1	1244	210790	1.00E-143	285	294	96 -	394	687	55698	55991
UN14721	Rsa1.0.00001.1	2030	363028	0	1167	1193	97 +	509	1700	93769	94955
UN14722	Rsa1.0.02355.1	1329	32260	0	632	667	94 -	668	1329	6881	7545
UN14723	Rsa1.0.02942.1	1416	26577	1.00E-109	213	217	98 -	936	1152	6404	6620
UN14724	Rsa1.0.00092.1	2072	659932	0	1007	1013	99 +	1060	2072	238480	239492
UN14725	Rsa1.0.00065.1	1212	454616	1.00E-153	275	275	100 +	382	656	39827	40101
UN14726	Rsa1.0.01976.1	692	36570	1.00E-125	233	235	99 +	127	361	29697	29931
UN14727	Rsa1.0.62560.1	820	367	0	340	342	99 -	1	342	1	342
UN14728	Rsa1.0.00203.1	975	109129	0	346	349	99 +	24	372	80679	81027
UN14729	Rsa1.0.00384.1	1395	89278	1.00E-144	294	303	97 +	1095	1394	35218	35520
UN14730	Rsa1.0.03847.1	1150	20479	0	544	553	98 +	479	1030	3845	4397
UN14731	Rsa1.0.01666.1	1207	173972	1.00E-113	220	224	98 -	761	984	23952	24175
UN14732	Rsa1.0.02478.1	2232	150183	0	437	449	97 +	1	445	6671	7117
UN14733	Rsa1.0.00126.1	1369	127534	1.00E-161	309	316	97 +	492	807	37046	37361
UN14734	Rsa1.0.02036.1	1093	35731	0	573	575	99 -	1	575	8134	8707
UN14735	Rsa1.0.00061.1	1127	218685	1.00E-138	285	296	96 -	826	1121	75762	76055
UN14736	Rsa1.0.03156.1	800	24956	0	495	506	97 +	138	639	2777	3278
UN14737	Rsa1.0.53975.1	980	422	1.00E-120	283	303	93 -	1	303	1	302
UN14738	Rsa1.0.00703.1	1000	67597	0	540	595	90 -	12	592	19623	20198
UN14739	Rsa1.0.00647.1	1463	70440	0	1059	1068	99 -	1	1068	42016	43083
UN14740	Rsa1.0.00139.1	987	357786	0	437	437	100 -	550	986	313072	313508

UN14741	Rsa1.0_00229.1	576	105471	1.00E-163	349	367	95 -	1	367	43352	43717
UN14742	Rsa1.0_14263.1	1154	3600	1.00E-164	294	294	100 +	1	294	1223	1516
UN14743	Rsa1.0_02231.1	528	33661	1.00E-116	245	253	96 +	1	251	33333	33585
UN14744	Rsa1.0_03278.1	923	24125	3.00E-72	166	173	95 +	68	238	2101	2271
UN14745	Rsa1.0_00959.1	1378	58202	0	898	911	98 +	1	909	56856	57763
UN14746	Rsa1.0_00537.1	1004	186980	1.00E-135	268	276	97 +	390	665	17079	17354
UN14747	Rsa1.0_02446.1	727	31330	0	426	436	97 +	3	436	16621	17055
UN14748	Rsa1.0_00145.1	719	261008	1.00E-134	287	298	96 -	9	302	83077	83369
UN14749	Rsa1.0_00035.1	1998	176449	0	1814	1859	97 +	142	1997	82921	84770
UN14750	Rsa1.0_02586.1	1227	29856	0	1213	1225	99 -	2	1222	15013	16236
UN14751	Rsa1.0_02859.1	1297	162118	0	470	470	100 -	828	1297	24378	24847
UN14752	Rsa1.0_00104.1	1226	368722	0	1206	1224	98 -	4	1226	71719	72942
UN14753	Rsa1.0_07935.1	1603	8229	0	1310	1349	97 -	3	1330	6844	8189
UN14754	Rsa1.0_01394.1	690	46641	0	371	383	96 -	308	690	21732	22112
UN14755	Rsa1.0_16093.1	639	2288	0	346	351	98 +	3	351	1232	1581
UN14756	Rsa1.0_00970.1	1436	57994	1.00E-78	230	256	89 -	1099	1351	40381	40636
UN14757	Rsa1.0_00699.1	906	184398	1.00E-128	303	326	92 -	585	893	55759	56083
UN14758	Rsa1.0_04203.1	720	18479	1.00E-135	262	268	97 +	226	493	15931	16198
UN14759	Rsa1.0_00376.1	804	90101	1.00E-148	272	274	99 -	2	275	15971	16244
UN14760	Rsa1.0_01724.1	1087	40292	0	509	545	93 -	2	546	19668	20189
UN14761	Rsa1.0_00706.1	1057	291570	0	359	359	100 -	1	359	59656	60014
UN14762	Rsa1.0_00343.1	2626	93570	0	731	752	97 +	301	1052	68624	69375
UN14763	Rsa1.0_01118.1	1121	53460	2.00E-27	76	80	95 +	23	102	26036	26115
UN14764	Rsa1.0_25222.1	1541	946	0	424	437	97 +	273	709	1	437
UN14765	Rsa1.0_00098.1	613	349239	0	398	414	96 -	111	524	234808	235221
UN14766	Rsa1.0_18964.1	1158	1503	1.00E-156	338	355	95 -	583	934	1	355
UN14767	Rsa1.0_03235.1	1993	24442	0	584	592	98 +	1404	1993	21156	21747
UN14768	Rsa1.0_01511.1	828	44235	1.00E-135	245	245	100 +	3	247	27325	27569
UN14769	Rsa1.0_02648.1	730	29073	1.00E-137	342	372	91 +	357	722	12514	12865
UN14770	Rsa1.0_00143.1	1762	121313	0	396	412	96 +	427	838	91078	91486
UN14771	Rsa1.0_01252.1	1407	49847	1.00E-155	279	279	100 -	1129	1407	17823	18101
UN14772	Rsa1.0_01144.1	901	52431	1.00E-169	330	339	97 +	46	381	22927	23265
UN14773	Rsa1.0_00583.1	1948	74309	1.00E-180	398	417	95 -	11	421	2938	3351
UN14774	Rsa1.0_06149.1	692	11615	0	672	690	97 -	2	691	3841	4530
UN14775	Rsa1.0_01220.1	1102	161775	1.00E-155	278	278	100 -	675	952	30176	30453
UN14776	Rsa1.0_04198.1	874	18504	0	398	407	97 +	3	409	11194	11599
UN14777	Rsa1.0_00316.1	1834	96264	0	519	529	98 -	1307	1834	30580	31108
UN14778	Rsa1.0_06179.1	1138	11548	0	492	515	95 +	61	575	8510	9006
UN14779	Rsa1.0_29623.1	1450	777	0	518	535	96 +	53	587	243	777

UN14780	Rsa1.0.00182.1	472	142305	1.00E-102	192	193	99 +	1	193	131693	131885
UN14781	Rsa1.0.00386.1	1415	89134	1.00E-142	259	260	99 +	1154	1413	72114	72373
UN14782	Rsa1.0.00560.1	1518	75685	0	497	500	99 -	4	503	44093	44590
UN14783	Rsa1.0.01536.1	1003	43747	0	453	460	98 +	21	480	21808	22267
UN14784	Rsa1.0.02739.1	1224	28304	5.00E-16	215	269	79 +	275	542	15657	15924
UN14785	Rsa1.0.00335.1	1048	94371	0	1024	1047	97 -	1	1047	19032	20077
UN14786	Rsa1.0.00001.1	1524	363028	1.00E-162	314	319	98 -	1	319	14633	14949
UN14787	Rsa1.0.00138.1	1041	247040	0	604	613	98 -	432	1040	59252	59863
UN14788	Rsa1.0.00637.1	812	71038	0	487	502	97 -	268	767	3282	3783
UN14789	Rsa1.0.02396.1	832	31783	0	327	328	99 +	196	523	8502	8829
UN14790	Rsa1.0.02195.1	707	34024	0	687	690	99 +	18	707	30589	31278
UN14791	Rsa1.0.00071.1	943	345714	1.00E-119	233	237	98 -	707	942	143202	143438
UN14792	Rsa1.0.00838.1	1072	153820	0	668	678	98 -	9	686	49065	49742
UN14793	Rsa1.0.00027.1	1178	283362	1.00E-121	365	412	88 -	31	420	150170	150581
UN14794	Rsa1.0.06160.1	2131	11596	0	696	723	96 +	685	1394	8631	9353
UN14795	Rsa1.0.01167.1	1192	51859	0	699	705	99 +	489	1192	27703	28407
UN14796	Rsa1.0.00035.1	1074	176449	0	491	495	99 -	579	1073	10603	11097
UN14797	Rsa1.0.00031.1	1138	179862	0	876	997	87 +	39	1025	92394	93340
UN14798	Rsa1.0.01138.1	1291	190615	1.00E-169	308	309	99 -	981	1288	10419	10727
UN14799	Rsa1.0.18159.1	1567	1654	0	631	668	94 -	7	652	1	665
UN14800	Rsa1.0.00699.1	925	184398	0	533	547	97 +	380	925	168017	168562
UN14801	Rsa1.0.07569.1	1385	9106	0	380	380	100 +	844	1223	4562	4941
UN14802	Rsa1.0.05774.1	1066	12667	0	764	770	99 -	1	770	3452	4221
UN14803	Rsa1.0.00926.1	1039	195072	0	513	514	99 +	2	515	41560	42072
UN14804	Rsa1.0.07541.1	1468	9167	1.00E-157	783	953	82 -	206	1155	5430	6361
UN14805	Rsa1.0.00336.1	893	445051	1.00E-160	295	298	98 -	9	306	281490	281787
UN14806	Rsa1.0.01214.1	1452	50599	0	960	1032	93 -	434	1451	2222	3228
UN14807	Rsa1.0.05062.1	1360	14960	0	1339	1348	99 +	10	1357	8672	10019
UN14808	Rsa1.0.02575.1	1297	29944	1.00E-124	269	282	95 +	1018	1296	24000	24277
UN14809	Rsa1.0.01442.1	1477	45776	1.00E-156	296	300	98 -	3	301	23065	23364
UN14810	Rsa1.0.05070.1	1586	14933	0	334	334	100 -	1253	1586	2639	2972
UN14811	Rsa1.0.01305.1	1360	48730	0	503	503	100 -	376	878	18860	19362
UN14812	Rsa1.0.04194.1	2199	132734	0	807	857	94 +	353	1206	116698	117546
UN14813	Rsa1.0.00058.1	1314	159921	0	396	407	97 -	642	1048	50728	51134
UN14814	Rsa1.0.05653.1	546	13043	0	463	482	96 +	69	539	9994	10474
UN14815	Rsa1.0.05398.1	1102	13885	0	581	598	97 +	485	1081	3154	3747
UN14816	Rsa1.0.08385.1	852	7439	1.00E-170	312	315	99 +	3	317	3129	3443
UN14817	Rsa1.0.73312.1	391	313	1.00E-122	229	230	99 -	7	236	1	229
UN14818	Rsa1.0.07981.1	805	8132	0	561	575	97 +	1	575	3287	3852

UN14819	Rsa1.0.01957.1	807	36844	1.00E-148	273	275	99 +	522	796	23850	24124
UN14820	Rsa1.0.00660.1	696	69688	1.00E-129	308	331	93 +	376	696	17669	17999
UN14821	Rsa1.0.00422.1	838	86144	0	565	600	94 -	1	597	54119	54705
UN14822	Rsa1.0.02913.1	1263	26816	0	1023	1037	98 -	224	1260	9449	10484
UN14823	Rsa1.0.00343.1	751	93570	0	474	492	96 +	248	739	2493	2980
UN14824	Rsa1.0.04378.1	819	17651	0	362	362	100 -	124	485	4630	4991
UN14825	Rsa1.0.00337.1	1397	143174	0	422	422	100 +	3	424	139838	140259
UN14826	Rsa1.0.00652.1	923	70089	1.00E-163	359	386	93 -	1	363	47920	48305
UN14827	Rsa1.0.12178.1	796	5294	0	414	427	96 -	371	794	3547	3970
UN14828	Rsa1.0.00052.1	906	162771	1.00E-119	238	245	97 +	36	280	57673	57917
UN14829	Rsa1.0.00422.1	877	86144	0	639	639	100 +	239	877	54119	54757
UN14830	Rsa1.0.00890.1	515	323870	1.00E-88	221	234	94 -	284	514	178764	178996
UN14831	Rsa1.0.19203.1	951	1465	1.00E-179	330	334	98 -	1	334	795	1128
UN14832	Rsa1.0.00355.1	817	92038	0	680	689	98 +	1	689	77741	78429
UN14833	Rsa1.0.00881.1	1706	61260	0	604	635	95 -	826	1460	18614	19248
UN14834	Rsa1.0.07142.1	1471	9832	0	1452	1454	99 -	3	1455	4619	6072
UN14835	Rsa1.0.00979.1	1411	57733	1.00E-139	283	291	97 +	1	288	40182	40472
UN14836	Rsa1.0.04518.1	1639	17005	0	360	365	98 +	885	1249	11846	12209
UN14837	Rsa1.0.00111.1	687	390088	0	414	429	96 +	260	687	75630	76057
UN14838	Rsa1.0.00522.1	1170	78103	1.00E-131	306	325	94 -	1	321	36235	36549
UN14839	Rsa1.0.04123.1	1030	18947	1.00E-157	288	290	99 +	384	673	15187	15476
UN14840	Rsa1.0.04085.1	915	19168	1.00E-153	332	351	94 +	1	351	1560	1901
UN14841	Rsa1.0.02411.1	1602	31655	0	816	854	95 -	443	1296	27638	28475
UN14842	Rsa1.0.02375.1	1019	32026	0	738	754	97 -	5	755	28994	29747
UN14843	Rsa1.0.00706.1	1003	291570	0	459	463	99 +	540	1001	41885	42347
UN14844	Rsa1.0.14210.1	1732	3660	0	580	580	100 +	601	1180	654	1233
UN14845	Rsa1.0.00222.1	1284	172263	0	407	415	98 -	34	445	31532	31945
UN14846	Rsa1.0.00111.1	489	390088	0	415	443	93 +	4	446	174815	175245
UN14847	Rsa1.0.00093.1	826	214962	0	530	530	100 -	297	826	11283	11812
UN14848	Rsa1.0.00787.1	1319	64239	0	562	577	97 -	743	1319	32499	33075
UN14849	Rsa1.0.00211.1	1088	228189	0	578	617	93 +	1	616	179317	179912
UN14850	Rsa1.0.00645.1	488	189716	2.00E-99	184	184	100 +	257	440	35226	35409
UN14851	Rsa1.0.00647.1	1088	70440	0	461	461	100 -	628	1088	5071	5531
UN14852	Rsa1.0.00447.1	1062	84051	1.00E-102	218	226	96 -	3	227	26801	27026
UN14853	Rsa1.0.02981.1	707	26285	1.00E-116	219	221	99 +	487	707	5587	5807
UN14854	Rsa1.0.01553.1	1067	43379	0	651	666	97 +	401	1066	2337	3002
UN14855	Rsa1.0.00336.1	1812	445051	0	461	466	98 +	3	468	11085	11550
UN14856	Rsa1.0.01070.1	1730	55099	1.00E-111	204	204	100 -	1526	1729	31367	31570
UN14857	Rsa1.0.06978.1	976	10073	0	628	656	95 -	1	646	1165	1819

UN14858	Rsa1.0.08078.1	1546	7944	0	423	429	98 -	1118	1546	3015	3442
UN14859	Rsa1.0.00200.1	1032	162016	0	323	323	100 +	708	1030	96962	97284
UN14860	Rsa1.0.01016.1	788	181422	0	563	563	100 -	2	564	171865	172427
UN14861	Rsa1.0.00055.1	921	520193	0	740	764	96 +	30	792	289747	290503
UN14862	Rsa1.0.00810.1	805	63289	0	527	560	94 -	2	560	6634	7178
UN14863	Rsa1.0.00546.1	599	76523	1.00E-168	352	366	96 -	1	363	11385	11749
UN14864	Rsa1.0.00033.1	711	515811	0	373	373	100 +	337	709	365844	366216
UN14865	Rsa1.0.02286.1	1203	32993	0	854	872	97 -	334	1202	24132	25003
UN14866	Rsa1.0.35276.1	1672	641	1.00E-121	227	229	99 +	48	276	367	595
UN14867	Rsa1.0.09899.1	1409	6099	0	1181	1201	98 +	216	1409	2789	3989
UN14868	Rsa1.0.00101.1	723	267193	1.00E-137	348	378	92 +	353	720	47241	47613
UN14869	Rsa1.0.00881.1	924	61260	1.00E-159	342	358	95 +	544	891	20053	20410
UN14870	Rsa1.0.07606.1	663	9035	0	638	667	95 -	6	663	1971	2628
UN14871	Rsa1.0.00331.1	1311	176754	0	806	810	99 +	1	810	22158	22967
UN14872	Rsa1.0.09472.1	1342	6344	1.00E-136	322	342	94 -	1004	1342	6005	6344
UN14873	Rsa1.0.01173.1	1189	51727	0	402	409	98 -	2	410	1555	1962
UN14874	Rsa1.0.00168.1	1294	115870	1.00E-170	313	316	99 +	662	977	56550	56865
UN14875	Rsa1.0.00087.1	941	761073	0	695	699	99 +	243	941	182792	183489
UN14876	Rsa1.0.00184.1	1185	218748	0	870	877	99 +	309	1185	43850	44724
UN14877	Rsa1.0.00295.1	807	152597	1.00E-89	202	212	95 +	540	750	140727	140938
UN14878	Rsa1.0.00646.1	937	70473	1.00E-116	267	279	95 -	660	933	5977	6254
UN14879	Rsa1.0.17320.1	829	1861	0	341	347	98 +	16	362	254	600
UN14880	Rsa1.0.01126.1	2877	53127	0	2720	2724	99 -	1	2724	35534	38257
UN14881	Rsa1.0.01272.1	967	49553	0	564	604	93 +	332	932	18652	19240
UN14882	Rsa1.0.05217.1	1016	142938	0	439	443	99 -	141	583	130269	130711
UN14883	Rsa1.0.01100.1	1377	54113	0	836	843	99 +	534	1375	52303	53145
UN14884	Rsa1.0.00059.1	655	159650	1.00E-135	304	322	94 +	4	319	123644	123957
UN14885	Rsa1.0.02723.1	1230	28408	0	644	654	98 -	549	1201	7650	8303
UN14886	Rsa1.0.00112.1	767	132199	0	498	505	98 -	262	766	72844	73348
UN14887	Rsa1.0.00154.1	1141	189461	0	623	632	98 +	508	1139	24514	25144
UN14888	Rsa1.0.00662.1	1496	192183	0	1346	1398	96 -	2	1398	59159	60549
UN14889	Rsa1.0.02043.1	1122	163754	0	858	859	99 +	264	1122	131101	131959
UN14890	Rsa1.0.00385.1	1299	89160	0	559	569	98 +	3	567	47349	47914
UN14891	Rsa1.0.03527.1	1765	22278	0	472	478	98 -	6	483	10601	11075
UN14892	Rsa1.0.01182.1	1328	167304	1.00E-152	332	348	95 -	980	1327	71	409
UN14893	Rsa1.0.00773.1	1523	64839	0	716	752	95 -	59	810	1579	2330
UN14894	Rsa1.0.00001.1	893	363028	0	377	381	98 +	32	412	200236	200616
UN14895	Rsa1.0.00871.1	1091	61539	0	448	464	96 -	621	1083	43277	43732
UN14896	Rsa1.0.02650.1	1063	29047	0	495	511	96 +	1	504	11523	12032

UN14897	Rsa1.0.00077.1	678	145005	0	676	676	100 +	3	678	1851	2526
UN14898	Rsa1.0.00664.1	712	69573	3.00E-96	259	281	92 +	435	712	1722	1994
UN14899	Rsa1.0.14871.1	654	2999	1.00E-95	205	214	95 -	44	257	2735	2948
UN14900	Rsa1.0.06596.1	761	10699	0	357	360	99 -	2	361	5401	5760
UN14901	Rsa1.0.00078.1	1431	175053	0	429	445	96 -	257	701	38368	38812
UN14902	Rsa1.0.01270.1	660	49574	1.00E-130	373	410	90 -	269	657	29161	29567
UN14903	Rsa1.0.03424.1	839	23064	0	604	604	100 +	229	832	79	682
UN14904	Rsa1.0.00589.1	992	209965	0	571	595	95 -	398	992	9704	10294
UN14905	Rsa1.0.17884.1	1831	1718	1.00E-110	267	287	93 +	680	966	1433	1718
UN14906	Rsa1.0.01778.1	1017	39509	7.00E-98	218	230	94 -	788	1017	16288	16512
UN14907	Rsa1.0.00179.1	1058	393324	1.00E-142	279	285	97 +	3	286	188688	188972
UN14908	Rsa1.0.01958.1	1011	261128	4.00E-90	193	201	96 +	127	327	113925	114125
UN14909	Rsa1.0.02901.1	741	26909	0	389	400	97 -	6	404	25992	26389
UN14910	Rsa1.0.11724.1	709	5428	0	421	424	99 -	287	709	5005	5428
UN14911	Rsa1.0.01506.1	1040	44370	0	654	654	100 +	1	654	13549	14202
UN14912	Rsa1.0.01800.1	1377	39109	0	555	564	98 +	293	856	6664	7227
UN14913	Rsa1.0.00026.1	667	327835	0	571	571	100 -	9	579	306356	306926
UN14914	Rsa1.0.00097.1	604	138858	0	520	529	98 +	76	604	110448	110975
UN14915	Rsa1.0.00094.1	1157	139042	0	362	365	99 +	790	1154	5876	6238
UN14916	Rsa1.0.00143.1	715	121313	0	686	709	96 -	6	713	30990	31697
UN14917	Rsa1.0.02083.1	1201	35216	0	866	905	95 -	308	1199	34309	35212
UN14918	Rsa1.0.00302.1	744	97521	0	743	744	99 -	1	744	38111	38854
UN14919	Rsa1.0.02041.1	903	163634	0	890	897	99 +	3	899	157069	157965
UN14920	Rsa1.0.00124.1	1191	262503	0	445	448	99 +	742	1189	29622	30069
UN14921	Rsa1.0.00009.1	429	232558	1.00E-136	291	305	95 -	130	429	185026	185329
UN14922	Rsa1.0.01866.1	693	37961	0	412	419	98 +	273	691	36635	37049
UN14923	Rsa1.0.01276.1	1536	49384	0	557	558	99 -	1	558	18570	19127
UN14924	Rsa1.0.03795.1	1211	20818	1.00E-164	304	306	99 -	2	306	15481	15786
UN14925	Rsa1.0.03149.1	662	24983	1.00E-154	288	292	98 -	364	655	15409	15700
UN14926	Rsa1.0.13824.1	1136	4259	0	483	503	96 -	637	1134	2033	2534
UN14927	Rsa1.0.03662.1	519	21492	3.00E-92	184	188	97 -	69	256	11532	11719
UN14928	Rsa1.0.75718.1	2000	303	1.00E-122	239	244	97 +	913	1156	42	285
UN14929	Rsa1.0.00002.1	1214	601661	0	793	793	100 -	422	1214	182851	183643
UN14930	Rsa1.0.00253.1	1090	231292	1.00E-153	310	318	97 +	1	316	23517	23833
UN14931	Rsa1.0.00178.1	1223	114861	0	559	584	95 -	654	1220	84388	84969
UN14932	Rsa1.0.14432.1	1055	3395	0	1023	1045	97 -	2	1046	1262	2305
UN14933	Rsa1.0.00751.1	1344	65759	0	470	475	98 +	279	753	3228	3702
UN14934	Rsa1.0.12933.1	1585	5071	0	549	550	99 -	1036	1585	3392	3941
UN14935	Rsa1.0.01567.1	1504	43090	0	1486	1510	98 +	3	1502	3586	5095

UN14936	Rsa1.0_00231.1	1277	105381	1.00E-180	323	324	99 -	3	326	32718	33041
UN14937	Rsa1.0_00961.1	1054	58185	0	335	336	99 +	1	336	18029	18364
UN14938	Rsa1.0_30995.1	1108	739	1.00E-117	226	230	98 +	3	232	510	739
UN14939	Rsa1.0_00745.1	1426	66067	0	698	727	96 +	119	844	42176	42902
UN14940	Rsa1.0_06968.1	1429	10090	0	651	676	96 -	755	1429	7748	8421
UN14941	Rsa1.0_00251.1	1057	303968	1.00E-175	329	335	98 +	494	828	141398	141732
UN14942	Rsa1.0_01696.1	1723	301850	1.00E-153	294	300	98 -	1428	1723	153034	153333
UN14943	Rsa1.0_01087.1	1674	54508	0	747	749	99 -	661	1409	18244	18992
UN14944	Rsa1.0_00039.1	1530	296927	0	558	590	94 -	3	574	32084	32673
UN14945	Rsa1.0_00170.1	1527	179538	1.00E-158	358	381	93 -	1154	1527	24375	24753
UN14946	Rsa1.0_07829.1	1259	8462	0	347	349	99 +	911	1259	4627	4974
UN14947	Rsa1.0_00293.1	1627	339294	0	548	604	90 +	75	678	88473	89076
UN14948	Rsa1.0_00027.1	771	283362	1.00E-178	349	356	98 +	1	355	167567	167919
UN14949	Rsa1.0_00860.1	906	61789	0	897	906	99 -	1	906	45040	45945
UN14950	Rsa1.0_00397.1	1246	88189	0	541	564	95 +	1	555	28141	28698
UN14951	Rsa1.0_01351.1	1247	47498	0	468	484	96 -	735	1214	1320	1801
UN14952	Rsa1.0_04070.1	1437	19244	0	426	434	98 -	1004	1435	10639	11071
UN14953	Rsa1.0_02745.1	1174	28263	5.00E-62	249	289	86 -	17	292	10794	11082
UN14954	Rsa1.0_00288.1	1504	98659	0	667	675	98 +	831	1504	80376	81050
UN14955	Rsa1.0_00722.1	1237	66840	1.00E-149	274	276	99 +	962	1237	21060	21335
UN14956	Rsa1.0_00840.1	1316	62514	0	688	694	99 -	4	697	6307	7000
UN14957	Rsa1.0_14703.1	1190	3143	0	555	574	96 +	187	760	1	573
UN14958	Rsa1.0_03876.1	505	20334	0	499	506	98 -	1	504	16808	17313
UN14959	Rsa1.0_05461.1	1447	13674	0	399	406	98 +	1044	1447	9168	9573
UN14960	Rsa1.0_00123.1	935	325650	1.00E-134	327	356	91 +	581	935	128148	128481
UN14961	Rsa1.0_00047.1	1286	168582	0	554	597	92 -	627	1213	122835	123416
UN14962	Rsa1.0_11581.1	1435	5466	0	439	464	94 -	812	1274	557	1010
UN14963	Rsa1.0_15781.1	1390	2424	0	389	391	99 +	949	1339	2034	2424
UN14964	Rsa1.0_00123.1	1019	325650	1.00E-163	339	352	96 +	666	1017	2558	2907
UN14965	Rsa1.0_01921.1	1898	168088	1.00E-111	243	253	96 -	1647	1898	141166	141417
UN14966	Rsa1.0_08355.1	1237	7487	0	424	427	99 -	809	1235	6505	6931
UN14967	Rsa1.0_04478.1	1084	17183	0	1070	1084	98 +	1	1084	9836	10919
UN14968	Rsa1.0_00123.1	1125	325650	1.00E-148	288	295	97 +	1	295	224045	224339
UN14969	Rsa1.0_40698.1	1846	551	0	541	552	98 -	1165	1714	1	551
UN14970	Rsa1.0_03125.1	1315	147978	0	339	341	99 -	288	628	139075	139415
UN14971	Rsa1.0_00471.1	1619	81897	0	987	990	99 +	1	990	27017	28005
UN14972	Rsa1.0_00374.1	1302	165738	0	467	472	98 +	526	997	93436	93907
UN14973	Rsa1.0_06430.1	1398	11034	1.00E-176	327	330	99 +	1070	1398	9389	9718
UN14974	Rsa1.0_00752.1	1023	65756	0	1006	1019	98 -	3	1021	23450	24467

UN14975	Rsa1.0.00286.1	581	98709	2.00E-96	295	329	89 +	259	581	29363	29681
UN14976	Rsa1.0.15608.1	1095	2522	0	957	967	98 -	129	1095	178	1144
UN14977	Rsa1.0.01511.1	1399	44235	0	620	620	100 -	227	846	7364	7983
UN14978	Rsa1.0.00876.1	1131	61328	0	1096	1132	96 +	2	1129	25989	27115
UN14979	Rsa1.0.00047.1	1269	168582	0	1202	1281	93 -	1	1269	149243	150497
UN14980	Rsa1.0.15167.1	897	2783	0	881	896	98 -	1	893	835	1729
UN14981	Rsa1.0.01344.1	655	142535	0	647	649	99 +	3	651	117286	117934
UN14982	Rsa1.0.03524.1	1983	22297	0	680	682	99 -	909	1590	19400	20081
UN14983	Rsa1.0.06175.1	1415	11569	0	423	436	97 +	45	476	4547	4981
UN14984	Rsa1.0.00102.1	755	135497	2.00E-97	184	185	99 +	225	409	88065	88249
UN14985	Rsa1.0.03659.1	978	21525	1.00E-123	234	237	98 -	584	820	13404	13640
UN14986	Rsa1.0.04086.1	565	19166	0	490	533	91 +	10	535	10482	11003
UN14987	Rsa1.0.01545.1	906	43599	0	523	537	97 -	1	530	27015	27548
UN14988	Rsa1.0.00347.1	1315	93048	1.00E-173	366	385	95 +	827	1211	54584	54968
UN14989	Rsa1.0.01610.1	1585	42274	0	869	872	99 -	59	930	18789	19660
UN14990	Rsa1.0.02609.1	1306	29600	0	580	599	96 +	714	1306	24446	25044
UN14991	Rsa1.0.00071.1	1182	345714	0	703	779	90 -	40	805	11652	12412
UN14992	Rsa1.0.01024.1	1303	56569	0	402	430	93 -	874	1303	10984	11395
UN14993	Rsa1.0.00017.1	561	752458	0	542	565	95 +	1	561	363690	364245
UN14994	Rsa1.0.03785.1	1509	20883	0	370	370	100 -	1	370	15659	16028
UN14995	Rsa1.0.00006.1	1028	396176	0	596	606	98 -	1	606	66782	67387
UN14996	Rsa1.0.00071.1	1411	345714	0	990	1006	98 +	387	1388	297779	298784
UN14997	Rsa1.0.00159.1	1193	431686	1.00E-140	356	390	91 -	351	736	333967	334356
UN14998	Rsa1.0.01115.1	825	183545	0	392	398	98 +	1	398	7262	7659
UN14999	Rsa1.0.00473.1	1749	212204	0	398	413	96 +	274	683	190475	190883
UN15000	Rsa1.0.01451.1	716	45459	0	698	715	97 +	3	713	42339	43053
UN15001	Rsa1.0.01699.1	838	40816	0	368	369	99 +	1	368	16162	16530
UN15002	Rsa1.0.01575.1	877	42924	1.00E-155	290	294	98 +	2	295	30820	31113
UN15003	Rsa1.0.07106.1	1090	9882	1.00E-158	286	287	99 +	804	1090	416	702
UN15004	Rsa1.0.00047.1	1310	168582	1.00E-133	247	249	99 -	1062	1310	79354	79602
UN15005	#	#	#	#	#	#	#	#	#	#	#
UN15006	Rsa1.0.00953.1	895	145012	0	487	493	98 +	352	844	26538	27030
UN15007	Rsa1.0.00363.1	1677	90968	1.00E-112	239	251	95 -	642	884	30983	31233
UN15008	Rsa1.0.02811.1	801	27669	0	499	513	97 +	289	801	26244	26744
UN15009	Rsa1.0.00013.1	489	292129	1.00E-154	307	316	97 -	5	320	228465	228779
UN15010	Rsa1.0.00739.1	936	66155	1.00E-157	323	339	95 +	3	329	49406	49744
UN15011	Rsa1.0.02725.1	1621	28404	0	1118	1119	99 +	1	1119	23754	24872
UN15012	Rsa1.0.02784.1	1167	27881	1.00E-124	226	226	100 +	25	250	6347	6572
UN15013	Rsa1.0.25122.1	1404	950	0	424	425	99 -	311	735	313	737

UN15014	Rsa1.0.03354.1	931	23491	0	659	670	98 -	10	679	13474	14138
UN15015	Rsa1.0.02975.1	1068	26322	0	577	593	97 +	176	767	23819	24410
UN15016	Rsa1.0.01635.1	824	41865	0	408	415	98 +	1	413	20348	20762
UN15017	Rsa1.0.00702.1	968	67600	0	602	607	99 +	14	620	62881	63487
UN15018	Rsa1.0.00139.1	774	357786	2.00E-76	191	206	92 +	406	611	44950	45155
UN15019	Rsa1.0.01814.1	1267	38917	0	505	509	99 -	4	512	16947	17455
UN15020	Rsa1.0.00353.1	1226	92242	0	1197	1219	98 -	3	1219	27804	29019
UN15021	Rsa1.0.00191.1	542	316976	0	535	542	98 +	2	542	18342	18883
UN15022	Rsa1.0.04561.1	1596	16849	0	1060	1109	95 +	492	1592	4119	5224
UN15023	Rsa1.0.18356.1	978	1615	1.00E-171	339	349	97 -	29	376	177	525
UN15024	Rsa1.0.00554.1	1156	150953	0	864	882	97 -	274	1155	51447	52328
UN15025	Rsa1.0.00793.1	1321	64103	1.00E-96	243	264	92 -	99	362	5308	5571
UN15026	Rsa1.0.20758.1	1147	1272	0	519	523	99 +	625	1147	557	1079
UN15027	Rsa1.0.01949.1	1447	36960	0	417	426	97 +	1022	1447	27763	28188
UN15028	Rsa1.0.04516.1	790	17018	0	613	618	99 +	1	618	16316	16933
UN15029	Rsa1.0.00926.1	849	195072	0	361	364	99 -	170	532	35123	35485
UN15030	Rsa1.0.00703.1	703	67597	1.00E-174	317	318	99 -	1	318	10307	10623
UN15031	Rsa1.0.01002.1	997	57063	0	431	446	96 -	343	788	50140	50582
UN15032	Rsa1.0.00012.1	809	222148	1.00E-165	342	353	96 -	459	808	83199	83548
UN15033	Rsa1.0.04132.1	572	18917	1.00E-117	248	257	96 -	4	260	3215	3468
UN15034	Rsa1.0.00119.1	901	467509	0	468	474	98 -	3	474	8515	8988
UN15035	Rsa1.0.00115.1	1643	131321	0	507	529	95 -	105	625	54113	54641
UN15036	Rsa1.0.00004.1	855	253996	0	475	478	99 -	38	515	198366	198840
UN15037	Rsa1.0.04355.1	881	146733	1.00E-157	323	336	96 +	3	336	129240	129570
UN15038	Rsa1.0.00483.1	1480	81102	0	350	354	98 -	283	636	30497	30850
UN15039	Rsa1.0.05019.1	1417	15114	0	679	680	99 -	1	680	4471	5150
UN15040	Rsa1.0.04199.1	2255	18501	0	2138	2164	98 -	92	2255	8231	10394
UN15041	Rsa1.0.02952.1	672	26492	0	658	672	97 -	1	672	19790	20461
UN15042	Rsa1.0.00019.1	2070	301669	0	545	554	98 -	1	554	298888	299440
UN15043	Rsa1.0.02036.1	542	35731	0	533	537	99 +	3	539	11888	12424
UN15044	Rsa1.0.01296.1	623	49035	0	352	356	98 +	270	623	3720	4075
UN15045	Rsa1.0.06138.1	1148	11651	1.00E-178	320	321	99 -	1	321	8144	8464
UN15046	Rsa1.0.00065.1	1082	454616	0	548	551	99 +	1	551	152180	152730
UN15047	Rsa1.0.00858.1	836	61892	1.00E-108	205	207	99 +	49	255	14979	15185
UN15048	Rsa1.0.13600.1	967	4672	1.00E-170	328	336	97 -	421	756	3970	4305
UN15049	Rsa1.0.00974.1	930	57893	0	483	489	98 +	441	929	5213	5701
UN15050	Rsa1.0.00017.1	1139	752458	0	1084	1170	92 +	2	1139	312127	313293
UN15051	Rsa1.0.01229.1	941	50235	0	937	946	99 +	1	941	2586	3531
UN15052	Rsa1.0.03268.1	552	24197	0	536	550	97 -	3	552	12409	12956

UN15053	Rsa1.0_00964.1	950	316648	0	543	579	93 +	3	568	261724	262289
UN15054	Rsa1.0_00529.1	1402	77487	0	667	730	91 +	2	730	52460	53186
UN15055	Rsa1.0_19438.1	606	1432	3.00E-83	186	195	95 +	3	194	382	576
UN15056	Rsa1.0_00108.1	1528	478491	0	993	1028	96 +	511	1526	305432	306459
UN15057	Rsa1.0_10655.1	1208	5768	1.00E-161	295	296	99 -	911	1206	435	729
UN15058	Rsa1.0_09183.1	1040	6573	4.00E-81	257	284	90 -	762	1040	3968	4243
UN15059	Rsa1.0_18896.1	1396	1515	0	417	427	97 -	1	426	406	831
UN15060	Rsa1.0_07863.1	888	8404	1.00E-126	233	234	99 -	653	886	862	1095
UN15061	Rsa1.0_01442.1	670	45776	0	392	405	96 -	1	405	25486	25890
UN15062	Rsa1.0_00329.1	468	222544	1.00E-135	369	410	90 +	1	388	2552	2960
UN15063	Rsa1.0_03342.1	728	23600	0	389	405	96 +	1	401	17824	18227
UN15064	Rsa1.0_00025.1	1012	277312	0	394	408	96 -	1	397	14017	14423
UN15065	Rsa1.0_04397.1	775	17555	0	600	613	97 -	157	760	4519	5131
UN15066	Rsa1.0_01241.1	1665	50067	0	569	575	98 -	334	908	5667	6241
UN15067	Rsa1.0_00644.1	1067	136881	1.00E-169	404	434	93 -	642	1064	62650	63077
UN15068	Rsa1.0_01301.1	594	169072	0	409	421	97 +	177	594	42572	42989
UN15069	Rsa1.0_00061.1	914	218685	4.00E-93	238	263	90 -	653	914	166243	166485
UN15070	Rsa1.0_00686.1	760	68511	0	723	803	90 +	1	760	32781	33583
UN15071	Rsa1.0_00173.1	978	288743	9.00E-14	86	101	85 +	803	903	112554	112654
UN15072	Rsa1.0_01382.1	831	46877	0	423	440	96 +	359	795	21635	22071
UN15073	Rsa1.0_03944.1	806	19926	0	790	806	98 -	1	806	16353	17154
UN15074	Rsa1.0_00032.1	594	306326	2.00E-47	203	234	86 +	98	330	215913	216125
UN15075	Rsa1.0_00253.1	957	231292	2.00E-67	137	139	98 +	463	601	116001	116139
UN15076	Rsa1.0_02291.1	1074	32959	0	843	849	99 +	7	855	14784	15630
UN15077	Rsa1.0_00127.1	911	127446	0	467	479	97 +	3	479	13924	14395
UN15078	Rsa1.0_01882.1	819	37697	0	429	449	95 -	3	445	36182	36630
UN15079	Rsa1.0_00131.1	851	432233	1.00E-121	340	376	90 -	48	422	8545	8907
UN15080	Rsa1.0_00107.1	788	431659	0	784	791	99 +	1	788	153045	153833
UN15081	Rsa1.0_01625.1	863	42019	0	370	375	98 -	1	374	34139	34513
UN15082	Rsa1.0_09302.1	1108	6470	0	584	606	96 +	3	607	2966	3566
UN15083	Rsa1.0_00768.1	513	64969	1.00E-111	285	310	91 +	1	296	60638	60947
UN15084	Rsa1.0_00733.1	1000	66583	0	645	664	97 -	338	1000	59761	60423
UN15085	Rsa1.0_00577.1	698	174827	1.00E-134	265	272	97 -	101	368	173422	173693
UN15086	Rsa1.0_05050.1	908	15022	1.00E-128	256	264	96 +	639	902	6127	6390
UN15087	Rsa1.0_00369.1	1364	266462	0	370	382	96 +	1	374	143048	143428
UN15088	Rsa1.0_00516.1	778	78417	1.00E-119	241	249	96 -	4	252	37437	37685
UN15089	Rsa1.0_04646.1	753	16541	2.00E-88	166	166	100 +	156	321	9517	9682
UN15090	Rsa1.0_02296.1	2022	32920	0	476	482	98 -	1	479	16072	16553
UN15091	Rsa1.0_00829.1	701	158305	0	461	503	91 +	10	509	47474	47954

UN15092	Rsa1.0.08019.1	725	8075	3.00E-84	159	159	100 -	564	722	2709	2867
UN15093	Rsa1.0.00652.1	1019	70089	0	528	567	93 -	424	989	18097	18649
UN15094	Rsa1.0.00088.1	1040	141341	6.00E-89	245	271	90 -	776	1039	62671	62928
UN15095	Rsa1.0.02185.1	749	34150	0	503	517	97 -	231	745	32514	33030
UN15096	Rsa1.0.01222.1	815	50398	9.00E-63	138	143	96 -	383	525	3523	3665
UN15097	Rsa1.0.00294.1	802	144860	0	529	546	96 +	67	612	57030	57575
UN15098	Rsa1.0.01436.1	857	45894	0	339	342	99 -	1	342	33611	33952
UN15099	Rsa1.0.13590.1	783	4689	0	747	768	97 -	3	767	3665	4431
UN15100	Rsa1.0.00718.1	837	279335	1.00E-168	303	304	99 -	1	304	235035	235338
UN15101	Rsa1.0.02362.1	1493	32190	0	613	630	97 +	1	629	21896	22525
UN15102	Rsa1.0.00482.1	1775	81162	0	766	780	98 -	256	1035	8800	9579
UN15103	Rsa1.0.08234.1	1576	7681	0	383	395	96 +	1	395	7210	7596
UN15104	Rsa1.0.00377.1	950	90038	0	374	387	96 +	7	390	17057	17443
UN15105	Rsa1.0.00104.1	1555	368722	1.00E-167	345	358	96 +	137	492	32684	33041
UN15106	Rsa1.0.00053.1	1070	263459	1.00E-173	362	381	95 +	666	1046	84698	85069
UN15107	Rsa1.0.00632.1	1281	183777	1.00E-176	356	370	96 +	911	1280	157543	157912
UN15108	Rsa1.0.00413.1	1052	86921	0	377	379	99 -	675	1052	37404	37782
UN15109	Rsa1.0.03302.1	976	23898	1.00E-174	350	361	96 -	610	967	6069	6429
UN15110	Rsa1.0.01425.1	1278	46136	0	355	362	98 +	59	420	15558	15919
UN15111	Rsa1.0.01053.1	902	55483	1.00E-165	309	311	99 +	1	311	40466	40774
UN15112	Rsa1.0.00407.1	1305	191544	0	337	338	99 +	968	1305	30155	30492
UN15113	Rsa1.0.01920.1	758	158533	0	738	749	98 -	13	758	4769	5515
UN15114	Rsa1.0.00426.1	1110	85668	0	390	405	96 -	3	407	59557	59955
UN15115	Rsa1.0.18100.1	1211	1667	1.00E-130	344	381	90 -	833	1211	278	641
UN15116	Rsa1.0.03937.1	1523	19969	1.00E-154	295	301	98 -	1223	1523	3001	3301
UN15117	Rsa1.0.00088.1	1180	141341	0	456	462	98 +	106	567	94765	95226
UN15118	Rsa1.0.01969.1	1592	153351	0	440	446	98 -	1	446	16782	17227
UN15119	Rsa1.0.00246.1	1023	103541	0	555	581	95 +	444	1023	78385	78965
UN15120	Rsa1.0.02191.1	800	34078	0	412	418	98 -	53	466	23641	24058
UN15121	Rsa1.0.00186.1	1286	112669	7.00E-83	227	247	91 -	95	336	10420	10666
UN15122	Rsa1.0.00739.1	438	66155	1.00E-145	260	260	100 -	120	379	31439	31698
UN15123	Rsa1.0.01752.1	1359	39805	1.00E-154	298	305	97 +	2	306	19218	19522
UN15124	Rsa1.0.03959.1	810	19866	1.00E-172	324	330	98 -	3	332	165	494
UN15125	Rsa1.0.00427.1	496	189678	1.00E-122	281	297	94 -	2	294	14547	14842
UN15126	Rsa1.0.00684.1	1399	141701	0	540	557	96 +	1	556	54156	54698
UN15127	Rsa1.0.07376.1	970	9496	1.00E-110	202	202	100 +	385	586	7283	7484
UN15128	Rsa1.0.03498.1	779	22480	0	549	550	99 -	230	779	18285	18833
UN15129	Rsa1.0.00708.1	1011	67366	0	451	464	97 -	1	462	25154	25615
UN15130	Rsa1.0.00418.1	1283	215377	0	381	396	96 +	363	758	2935	3330

UN15131	Rsa1.0_03019.1	1365	25987	1.00E-135	257	261	98 -	7	267	21947	22207
UN15132	Rsa1.0_04156.1	1401	18799	1.00E-142	286	296	96 -	1105	1400	15209	15498
UN15133	Rsa1.0_02295.1	1325	149884	1.00E-154	298	305	97 +	528	832	9436	9740
UN15134	Rsa1.0_03068.1	863	25620	0	837	866	96 +	1	862	10839	11697
UN15135	Rsa1.0_00389.1	1361	88795	0	1066	1084	98 -	1	1084	61128	62211
UN15136	Rsa1.0_05293.1	1508	14237	0	490	515	95 +	103	617	6224	6730
UN15137	Rsa1.0_01188.1	1791	51362	0	833	851	97 +	941	1777	33730	34580
UN15138	Rsa1.0_00001.1	940	363028	0	392	397	98 +	1	397	249958	250354
UN15139	Rsa1.0_00100.1	1564	249232	1.00E-162	398	429	92 +	1088	1509	13427	13852
UN15140	Rsa1.0_01509.1	1537	44258	1.00E-178	317	317	100 +	1221	1537	2566	2882
UN15141	Rsa1.0_01554.1	906	43379	0	879	907	96 -	1	905	39958	40863
UN15142	Rsa1.0_01553.1	1200	43379	0	1008	1057	95 -	148	1200	26896	27945
UN15143	Rsa1.0_00045.1	555	328694	1.00E-98	198	203	97 +	6	208	148689	148891
UN15144	Rsa1.0_00163.1	783	116847	1.00E-174	315	317	99 +	467	783	67121	67437
UN15145	Rsa1.0_02911.1	1450	142461	0	603	624	96 -	1	619	23423	24042
UN15146	Rsa1.0_04073.1	1222	19238	1.00E-129	259	267	97 +	959	1220	16886	17152
UN15147	Rsa1.0_00487.1	882	80674	1.00E-178	363	378	96 +	506	880	75851	76228
UN15148	Rsa1.0_10201.1	1743	5946	0	1403	1436	97 +	1	1436	418	1851
UN15149	Rsa1.0_00596.1	698	73578	0	420	425	98 +	5	429	42103	42527
UN15150	Rsa1.0_00277.1	1627	100132	1.00E-132	326	351	92 +	1	349	88382	88725
UN15151	Rsa1.0_00900.1	1028	60367	1.00E-145	306	321	95 -	1	321	29910	30230
UN15152	Rsa1.0_00029.1	758	272992	1.00E-168	367	385	95 -	374	750	10187	10568
UN15153	Rsa1.0_39426.1	713	570	0	384	398	96 -	1	398	48	445
UN15154	Rsa1.0_00469.1	1035	82084	1.00E-164	322	331	97 +	405	732	66858	67188
UN15155	Rsa1.0_01335.1	376	47894	0	344	351	98 +	26	376	29219	29569
UN15156	Rsa1.0_00275.1	773	210104	1.00E-162	326	337	96 +	10	346	176412	176741
UN15157	Rsa1.0_00446.1	736	167829	0	369	382	96 +	355	736	129961	130339
UN15158	Rsa1.0_03966.1	1745	19823	0	392	403	97 -	831	1233	2619	3021
UN15159	Rsa1.0_02991.1	628	26178	2.00E-88	209	219	95 -	1	216	4393	4607
UN15160	Rsa1.0_04835.1	1077	15766	1.00E-132	270	280	96 -	179	458	9964	10243
UN15161	Rsa1.0_00153.1	706	192931	1.00E-127	284	301	94 +	1	295	143120	143418
UN15162	Rsa1.0_04542.1	891	16930	1.00E-147	290	297	97 -	3	299	16072	16362
UN15163	Rsa1.0_03195.1	1354	24673	0	619	620	99 -	1	619	8990	9609
UN15164	Rsa1.0_00549.1	1395	76473	0	328	329	99 -	1067	1395	7914	8242
UN15165	Rsa1.0_01960.1	1862	36766	1.00E-153	287	291	98 -	592	882	9530	9820
UN15166	Rsa1.0_00407.1	1040	191544	0	771	822	93 -	218	1026	155550	156357
UN15167	Rsa1.0_02629.1	1383	29350	0	504	504	100 -	555	1058	5350	5853
UN15168	Rsa1.0_01786.1	1469	133324	0	540	562	96 +	913	1469	113313	113870
UN15169	Rsa1.0_02070.1	864	158516	5.00E-83	160	161	99 -	130	290	141340	141500

UN15170	Rsa1.0.00539.1	1683	76926	1.00E-180	320	320	100 -	1	320	28381	28700
UN15171	Rsa1.0.01651.1	867	41586	0	866	869	99 +	1	867	20839	21706
UN15172	Rsa1.0.01376.1	901	47004	0	369	374	98 -	1	374	41024	41397
UN15173	Rsa1.0.04272.1	766	18144	1.00E-156	315	326	96 +	2	325	9481	9806
UN15174	Rsa1.0.01740.1	892	39986	1.00E-140	279	287	97 -	71	354	27598	27884
UN15175	Rsa1.0.03569.1	600	22041	1.00E-100	201	205	98 -	395	598	9056	9260
UN15176	Rsa1.0.00071.1	1092	345714	0	381	382	99 -	331	712	311950	312331
UN15177	Rsa1.0.15363.1	1716	2655	0	931	975	95 -	744	1713	1688	2655
UN15178	Rsa1.0.03795.1	1178	20818	1.00E-129	267	275	97 -	1	271	15481	15753
UN15179	Rsa1.0.07955.1	932	8180	1.00E-160	290	291	99 +	642	932	6422	6712
UN15180	Rsa1.0.02829.1	872	27541	0	452	469	96 -	408	870	3313	3781
UN15181	Rsa1.0.01611.1	838	42269	1.00E-153	326	345	94 -	67	411	17493	17821
UN15182	Rsa1.0.02367.1	362	32106	1.00E-112	211	213	99 -	1	213	27423	27635
UN15183	Rsa1.0.00049.1	1047	167018	0	640	672	95 -	395	1045	7057	7728
UN15184	Rsa1.0.01065.1	750	55264	0	457	466	98 +	15	478	30932	31396
UN15185	Rsa1.0.01977.1	1213	36559	1.00E-155	278	278	100 -	936	1213	9556	9833
UN15186	Rsa1.0.01512.1	934	44234	1.00E-167	379	405	93 +	528	932	32378	32769
UN15187	Rsa1.0.02163.1	1206	34427	0	356	356	100 +	851	1206	5688	6043
UN15188	Rsa1.0.00813.1	571	63202	1.00E-164	440	487	90 -	1	472	51191	51668
UN15189	Rsa1.0.00773.1	1002	64839	1.00E-141	325	350	92 -	649	997	10104	10440
UN15190	Rsa1.0.12809.1	938	5119	1.00E-155	383	417	91 +	529	936	4445	4848
UN15191	Rsa1.0.01586.1	1157	42804	0	437	452	96 -	708	1157	28046	28496
UN15192	Rsa1.0.02626.1	918	29387	0	396	401	98 -	488	888	22893	23293
UN15193	Rsa1.0.30348.1	1038	756	1.00E-121	227	229	99 +	534	762	364	592
UN15194	Rsa1.0.01435.1	670	45942	0	387	389	99 -	1	389	28028	28416
UN15195	Rsa1.0.00579.1	789	148308	1.00E-102	207	213	97 -	5	217	65939	66151
UN15196	Rsa1.0.00476.1	970	280966	1.00E-171	353	366	96 -	613	967	241651	242016
UN15197	Rsa1.0.08230.1	673	7688	1.00E-144	272	276	98 -	1	276	5351	5626
UN15198	Rsa1.0.00758.1	1053	65477	1.00E-155	281	282	99 +	3	284	48370	48651
UN15199	Rsa1.0.63049.1	938	364	1.00E-149	278	280	99 -	659	938	64	342
UN15200	Rsa1.0.00652.1	941	70089	0	373	387	96 +	557	940	47920	48306
UN15201	Rsa1.0.02113.1	844	34890	0	824	830	99 -	12	841	22694	23522
UN15202	Rsa1.0.16435.1	542	2156	1.00E-102	201	205	98 +	5	209	315	519
UN15203	Rsa1.0.01469.1	1301	45139	1.00E-161	310	316	98 -	632	945	18477	18792
UN15204	Rsa1.0.03261.1	765	24281	1.00E-104	235	246	95 -	24	264	5213	5458
UN15205	Rsa1.0.50581.1	780	449	0	355	363	97 -	218	580	87	449
UN15206	Rsa1.0.00029.1	749	272992	1.00E-163	329	339	97 -	374	710	10231	10568
UN15207	Rsa1.0.00142.1	862	121474	0	438	445	98 -	42	486	62984	63427
UN15208	Rsa1.0.02101.1	970	35017	0	888	922	96 -	58	970	15791	16711

UN15209	Rsa1.0.00396.1	707	88242	1.00E-126	253	261	96 -	391	651	20281	20541
UN15210	Rsa1.0.19203.1	867	1465	1.00E-151	287	292	98 +	576	867	795	1086
UN15211	Rsa1.0.06056.1	806	137271	0	344	344	100 +	463	806	127496	127839
UN15212	Rsa1.0.01327.1	1291	48033	1.00E-145	334	354	94 -	940	1291	14629	14977
UN15213	Rsa1.0.00351.1	667	413096	1.00E-160	364	386	94 +	1	375	244444	244827
UN15214	Rsa1.0.00698.1	825	67816	0	613	646	94 -	186	825	21763	22408
UN15215	Rsa1.0.01827.1	806	143321	1.00E-101	187	187	100 -	355	541	128843	129029
UN15216	Rsa1.0.00179.1	804	393324	1.00E-116	234	240	97 -	29	267	200962	201201
UN15217	Rsa1.0.00385.1	1055	89160	0	403	405	99 -	1	404	45744	46148
UN15218	Rsa1.0.00020.1	1296	283099	1.00E-142	278	285	97 -	1012	1296	90069	90353
UN15219	Rsa1.0.05162.1	1733	14631	1.00E-100	206	211	97 +	1524	1733	4180	4390
UN15220	Rsa1.0.33317.1	882	681	1.00E-153	380	413	92 +	330	733	1	409
UN15221	Rsa1.0.00275.1	1098	210104	0	995	1043	95 -	1	1042	205236	206257
UN15222	Rsa1.0.01370.1	1686	47093	0	578	590	97 +	1096	1683	6095	6683
UN15223	Rsa1.0.00825.1	942	62855	1.00E-166	302	304	99 -	107	410	37215	37518
UN15224	Rsa1.0.00128.1	997	228675	1.00E-145	318	334	95 +	664	997	135383	135710
UN15225	Rsa1.0.03813.1	1458	20708	0	398	403	98 -	1059	1457	4888	5290
UN15226	Rsa1.0.02358.1	932	32213	0	452	462	97 -	479	932	251	712
UN15227	Rsa1.0.00754.1	908	65689	1.00E-166	296	296	100 -	1	296	53130	53425
UN15228	Rsa1.0.17687.1	1026	1765	0	922	961	95 -	37	994	1	956
UN15229	Rsa1.0.26461.1	1271	891	1.00E-90	231	247	93 -	1031	1271	490	730
UN15230	Rsa1.0.06715.1	1185	10485	0	519	547	94 -	1	539	2804	3349
UN15231	Rsa1.0.00190.1	1249	318240	0	606	647	93 -	606	1249	140909	141530
UN15232	Rsa1.0.27652.1	850	844	0	460	500	92 -	351	842	268	767
UN15233	Rsa1.0.00833.1	1204	62621	1.00E-114	223	226	98 -	978	1202	5189	5414
UN15234	Rsa1.0.00059.1	1064	159650	1.00E-104	232	243	95 +	1	240	147724	147965
UN15235	Rsa1.0.00047.1	1193	168582	1.00E-169	355	371	95 +	815	1184	4911	5278
UN15236	Rsa1.0.00168.1	900	115870	0	483	495	97 -	1	495	40022	40514
UN15237	Rsa1.0.00503.1	1077	79468	1.00E-145	338	359	94 +	643	998	69177	69532
UN15238	Rsa1.0.03455.1	1327	22804	1.00E-126	240	242	99 +	1	241	11896	12137
UN15239	Rsa1.0.05918.1	1124	12244	0	1097	1137	96 -	3	1119	8537	9667
UN15240	Rsa1.0.04123.1	851	18947	0	778	830	93 +	21	850	11889	12681
UN15241	Rsa1.0.02660.1	1253	28969	1.00E-115	235	243	96 +	951	1193	12641	12883
UN15242	Rsa1.0.01407.1	1537	46425	0	1465	1537	95 -	1	1537	9376	10911
UN15243	Rsa1.0.49117.1	1180	461	1.00E-141	261	263	99 -	11	273	121	383
UN15244	Rsa1.0.01806.1	1032	39021	1.00E-150	270	270	100 +	762	1031	24779	25048
UN15245	Rsa1.0.00055.1	1587	520193	0	1271	1299	97 +	4	1301	331692	332984
UN15246	Rsa1.0.06563.1	1059	10765	1.00E-154	329	347	94 -	1	347	2187	2527
UN15247	Rsa1.0.02222.1	494	152798	0	472	488	96 -	3	481	4650	5136

UN15248	Rsa1.0.08346.1	891	7497	1.00E-133	244	245	99 -	1	245	3302	3546
UN15249	Rsa1.0.00707.1	686	190112	6.00E-76	179	189	94 -	3	185	182523	182711
UN15250	Rsa1.0.06213.1	876	11478	0	482	519	92 -	371	867	1021	1535
UN15251	Rsa1.0.01454.1	921	45440	1.00E-133	280	291	96 +	1	282	14235	14524
UN15252	Rsa1.0.00577.1	894	174827	0	537	550	97 -	1	550	132266	132812
UN15253	Rsa1.0.00931.1	1049	59210	1.00E-169	349	365	95 +	335	693	54903	55267
UN15254	Rsa1.0.01185.1	656	149842	1.00E-119	260	273	95 -	23	293	11446	11718
UN15255	Rsa1.0.01143.1	1359	52456	0	1286	1367	94 -	2	1356	18964	20302
UN15256	Rsa1.0.02129.1	967	34757	0	388	399	97 -	502	891	5631	6029
UN15257	Rsa1.0.00220.1	1116	192936	0	471	487	96 -	275	752	16394	16880
UN15258	Rsa1.0.00376.1	336	90101	3.00E-60	127	130	97 -	5	134	978	1107
UN15259	Rsa1.0.00550.1	1181	210790	0	447	475	94 -	712	1180	177713	178187
UN15260	Rsa1.0.00002.1	825	601661	1.00E-135	279	288	96 +	117	403	140391	140677
UN15261	Rsa1.0.03005.1	1177	26082	0	523	539	97 +	3	538	23151	23688
UN15262	Rsa1.0.00033.1	821	515811	0	455	455	100 -	3	457	365760	366214
UN15263	Rsa1.0.01459.1	640	45277	2.00E-88	275	313	87 -	345	640	42955	43259
UN15264	Rsa1.0.00894.1	700	269700	7.00E-97	244	265	92 -	13	276	127216	127472
UN15265	Rsa1.0.00317.1	549	218290	3.00E-83	195	205	95 -	345	549	52669	52871
UN15266	Rsa1.0.02198.1	706	33989	1.00E-103	234	247	94 -	460	706	13971	14207
UN15267	Rsa1.0.17040.1	571	1944	0	389	397	97 +	154	550	1207	1602
UN15268	Rsa1.0.07506.1	1137	9233	0	539	555	97 -	583	1137	2689	3242
UN15269	Rsa1.0.03155.1	874	24958	0	443	460	96 -	417	873	9973	10426
UN15270	Rsa1.0.00503.1	763	79468	0	759	763	99 +	1	761	61033	61793
UN15271	Rsa1.0.00044.1	996	271658	1.00E-108	224	230	97 -	1	228	156762	156990
UN15272	Rsa1.0.00730.1	690	66673	1.00E-168	327	335	97 -	357	690	28375	28709
UN15273	Rsa1.0.05510.1	985	13470	1.00E-148	299	310	96 +	197	506	1981	2290
UN15274	Rsa1.0.00087.1	1235	761073	1.00E-145	265	266	99 +	675	940	274293	274558
UN15275	Rsa1.0.00047.1	700	168582	0	410	413	99 -	1	413	43362	43774
UN15276	Rsa1.0.02138.1	495	34695	5.00E-54	134	142	94 -	63	204	7722	7860
UN15277	Rsa1.0.04415.1	965	147889	0	922	933	98 +	3	934	143690	144621
UN15278	Rsa1.0.03656.1	1220	21552	0	749	757	98 +	463	1219	12500	13256
UN15279	Rsa1.0.14744.1	1117	3111	0	352	356	98 -	762	1117	2187	2542
UN15280	Rsa1.0.04281.1	826	18107	0	609	650	93 +	177	826	15672	16321
UN15281	Rsa1.0.06227.1	1103	11442	0	571	572	99 +	502	1073	4251	4822
UN15282	Rsa1.0.00645.1	834	189716	0	808	836	96 -	4	834	24190	25016
UN15283	Rsa1.0.02633.1	932	29315	0	404	422	95 +	3	415	350	771
UN15284	Rsa1.0.03099.1	1326	139424	0	440	443	99 +	1	443	4169	4611
UN15285	Rsa1.0.14032.1	875	3893	1.00E-160	304	310	98 +	564	873	3098	3407
UN15286	Rsa1.0.07565.1	792	9122	0	550	554	99 -	2	553	4744	5297

UN15287	Rsa1.0.02201.1	1405	33981	1.00E-172	445	494	90 +	310	784	30288	30776
UN15288	Rsa1.0.00707.1	1252	190112	0	899	911	98 -	345	1252	155128	156038
UN15289	Rsa1.0.03709.1	958	21247	1.00E-173	330	336	98 -	623	958	18566	18900
UN15290	Rsa1.0.20672.1	866	1281	1.00E-155	281	282	99 +	1	282	246	527
UN15291	Rsa1.0.00655.1	1410	195840	0	422	425	99 -	1	425	17675	18098
UN15292	Rsa1.0.02901.1	1609	26909	0	415	420	98 +	1	420	11160	11577
UN15293	Rsa1.0.04400.1	1319	17529	0	838	879	95 +	63	938	16666	17529
UN15294	Rsa1.0.00826.1	713	166736	0	572	592	96 -	116	705	118806	119397
UN15295	Rsa1.0.00697.1	1032	67913	1.00E-178	356	367	97 +	1	363	39649	40015
UN15296	Rsa1.0.00409.1	857	146788	0	467	478	97 +	387	856	87558	88034
UN15297	Rsa1.0.00418.1	718	215377	0	552	556	99 -	163	718	201867	202422
UN15298	Rsa1.0.00253.1	1240	231292	0	978	983	99 +	1	982	95972	96954
UN15299	Rsa1.0.00569.1	1007	75060	0	568	579	98 +	429	1006	65107	65682
UN15300	Rsa1.0.20024.1	977	1351	8.00E-36	141	162	87 -	2	163	56	217
UN15301	Rsa1.0.05217.1	1116	142938	0	533	553	96 +	564	1116	132903	133451
UN15302	Rsa1.0.07692.1	909	132338	0	721	736	97 -	167	902	6716	7450
UN15303	Rsa1.0.03610.1	979	21797	0	334	335	99 +	335	669	17230	17564
UN15304	Rsa1.0.02223.1	775	152421	1.00E-153	290	295	98 +	352	646	19316	19610
UN15305	Rsa1.0.07444.1	875	9386	1.00E-116	242	249	97 -	628	875	199	446
UN15306	Rsa1.0.00495.1	860	79934	7.00E-70	147	151	97 -	127	277	19840	19990
UN15307	Rsa1.0.01346.1	1022	47618	0	442	453	97 -	2	454	7627	8079
UN15308	Rsa1.0.00092.1	898	659932	0	458	489	93 +	413	896	42020	42499
UN15309	Rsa1.0.00858.1	802	61892	0	401	422	95 -	14	434	33273	33686
UN15310	Rsa1.0.00215.1	954	201775	2.00E-85	216	227	95 +	727	945	2172	2398
UN15311	Rsa1.0.04374.1	701	17670	6.00E-85	160	160	100 +	542	701	8075	8234
UN15312	Rsa1.0.00168.1	1150	115870	0	478	496	96 -	334	826	98954	99439
UN15313	Rsa1.0.01454.1	1068	45440	1.00E-176	378	400	94 +	667	1066	32801	33183
UN15314	Rsa1.0.00253.1	905	231292	1.00E-105	219	226	96 -	3	228	206344	206568
UN15315	Rsa1.0.01001.1	560	57077	1.00E-179	357	370	96 -	191	560	23252	23621
UN15316	Rsa1.0.04172.1	1251	18679	1.00E-150	276	278	99 -	311	588	11435	11712
UN15317	Rsa1.0.00556.1	673	207212	1.00E-121	221	221	100 -	78	298	146894	147114
UN15318	Rsa1.0.07250.1	863	9663	0	692	717	96 +	3	719	5384	6096
UN15319	Rsa1.0.00954.1	2294	189536	1.00E-163	331	342	96 -	7	348	40588	40925
UN15320	Rsa1.0.01540.1	1322	151890	0	1236	1328	93 +	1	1320	142474	143775
UN15321	Rsa1.0.00017.1	1732	752458	1.00E-152	323	336	96 +	80	415	272077	272408
UN15322	Rsa1.0.00003.1	764	340054	1.00E-119	304	332	91 +	403	733	4541	4856
UN15323	Rsa1.0.00087.1	810	761073	1.00E-119	308	335	91 -	485	810	615087	615419
UN15324	Rsa1.0.01105.1	559	53958	1.00E-152	275	276	99 -	138	413	1682	1957
UN15325	Rsa1.0.00883.1	836	61230	0	429	441	97 +	1	438	29866	30306

UN15326	Rsa1.0.09314.1	1403	6461	0	799	810	98 -	408	1216	3997	4803
UN15327	Rsa1.0.00330.1	701	94666	1.00E-129	240	242	99 +	1	242	42507	42748
UN15328	Rsa1.0.00135.1	687	178077	0	491	518	94 -	4	511	8955	9472
UN15329	Rsa1.0.02301.1	880	32835	0	794	837	94 -	44	878	20259	21093
UN15330	Rsa1.0.01995.1	855	36347	0	479	502	95 -	2	494	22162	22663
UN15331	Rsa1.0.00194.1	738	110851	0	604	641	94 -	3	625	54321	54961
UN15332	Rsa1.0.63101.1	638	364	4.00E-89	173	175	98 +	61	235	1	175
UN15333	Rsa1.0.00409.1	603	146788	0	365	365	100 -	11	375	1659	2023
UN15334	Rsa1.0.16093.1	718	2288	0	357	358	99 +	1	357	1223	1580
UN15335	Rsa1.0.03887.1	1293	20247	0	975	982	99 +	311	1292	2579	3560
UN15336	Rsa1.0.00087.1	658	761073	1.00E-109	290	319	90 -	3	304	217289	217606
UN15337	Rsa1.0.00659.1	707	69733	1.00E-137	321	346	92 -	1	346	55176	55500
UN15338	Rsa1.0.11435.1	933	5508	1.00E-147	277	281	98 -	490	770	248	528
UN15339	Rsa1.0.00082.1	953	237584	1.00E-155	339	356	95 -	608	953	53592	53947
UN15340	Rsa1.0.03484.1	714	22618	1.00E-122	229	231	99 +	31	261	4972	5202
UN15341	Rsa1.0.04194.1	1175	132734	7.00E-89	214	227	94 -	950	1175	117319	117544
UN15342	Rsa1.0.01674.1	721	168300	1.00E-132	296	313	94 +	410	721	4084	4393
UN15343	Rsa1.0.11462.1	1135	5500	0	959	1022	93 -	137	1135	2312	3331
UN15344	Rsa1.0.00500.1	811	272308	0	586	599	97 -	1	599	157120	157717
UN15345	Rsa1.0.00198.1	863	222963	0	440	443	99 -	3	445	123517	123959
UN15346	Rsa1.0.08846.1	1491	6867	1.00E-145	324	342	94 +	11	350	3969	4300
UN15347	Rsa1.0.01412.1	1089	46311	0	569	586	97 +	506	1086	11181	11766
UN15348	Rsa1.0.18647.1	893	1560	0	389	389	100 -	504	892	544	932
UN15349	Rsa1.0.02239.1	921	33534	0	379	381	99 +	1	380	9569	9949
UN15350	Rsa1.0.04138.1	794	18898	0	561	562	99 +	1	562	3225	3786
UN15351	Rsa1.0.06978.1	933	10073	0	645	645	100 +	289	933	1165	1809
UN15352	Rsa1.0.00699.1	516	184398	0	507	517	98 -	1	516	127808	128324
UN15353	Rsa1.0.00358.1	1208	91293	0	574	578	99 -	2	579	74541	75118
UN15354	Rsa1.0.01400.1	666	46560	4.00E-95	180	181	99 -	484	664	5934	6114
UN15355	Rsa1.0.14826.1	1144	3040	0	443	456	97 +	689	1142	894	1347
UN15356	Rsa1.0.03870.1	795	20362	0	750	819	91 -	3	794	10660	11461
UN15357	Rsa1.0.02663.1	793	169243	0	629	643	97 -	5	647	7861	8502
UN15358	Rsa1.0.06288.1	2101	11302	0	1736	1773	97 +	1	1763	313	2084
UN15359	Rsa1.0.02629.1	1040	29350	1.00E-156	286	287	99 -	755	1040	4981	5267
UN15360	Rsa1.0.00034.1	790	260119	0	755	813	92 +	2	790	67162	67960
UN15361	Rsa1.0.02647.1	685	29120	0	617	638	96 -	48	684	25184	25819
UN15362	Rsa1.0.01469.1	1594	45139	0	811	837	96 -	759	1594	30986	31819
UN15363	Rsa1.0.01995.1	931	36347	0	478	504	94 +	439	930	22162	22664
UN15364	Rsa1.0.00006.1	799	396176	0	768	799	96 +	1	799	298200	298996

UN15365	Rsa1.0.03326.1	653	23710	0	645	653	98 +	1	653	16896	17548
UN15366	Rsa1.0.00805.1	994	63724	0	964	1008	95 -	2	994	42546	43543
UN15367	Rsa1.0.06802.1	640	10330	0	491	507	96 +	136	639	8965	9468
UN15368	Rsa1.0.01355.1	709	47303	0	621	671	92 -	41	703	39409	40068
UN15369	Rsa1.0.03713.1	671	21221	1.00E-117	220	222	99 +	220	441	16746	16967
UN15370	Rsa1.0.00205.1	547	193401	2.00E-99	218	228	95 -	307	533	130115	130342
UN15371	Rsa1.0.07617.1	866	9015	0	815	835	97 +	2	833	3003	3836
UN15372	Rsa1.0.00253.1	686	231292	0	658	689	95 -	2	686	196757	197431
UN15373	Rsa1.0.00012.1	890	222148	1.00E-131	244	246	99 -	643	888	69119	69364
UN15374	Rsa1.0.01887.1	818	37564	1.00E-137	277	287	96 +	159	445	26172	26458
UN15375	Rsa1.0.19809.1	810	1380	1.00E-138	264	269	98 -	106	374	715	983
UN15376	Rsa1.0.04470.1	1122	17204	1.00E-140	310	328	94 -	3	330	4465	4785
UN15377	Rsa1.0.00299.1	1117	97770	0	407	412	98 -	706	1117	19341	19751
UN15378	Rsa1.0.10940.1	511	5670	3.00E-77	172	177	97 +	238	414	5499	5670
UN15379	Rsa1.0.04542.1	961	16930	1.00E-105	235	246	95 +	719	961	16072	16312
UN15380	Rsa1.0.00358.1	988	91293	7.00E-98	188	190	98 -	177	366	22173	22362
UN15381	Rsa1.0.00001.1	1449	363028	0	1414	1447	97 +	5	1449	34790	36236
UN15382	Rsa1.0.13580.1	1778	4711	0	1059	1077	98 +	3	1077	1390	2464
UN15383	Rsa1.0.00642.1	682	201230	0	675	684	98 -	1	682	62519	63201
UN15384	Rsa1.0.00163.1	799	116847	0	552	581	95 -	230	793	8550	9130
UN15385	Rsa1.0.00127.1	1506	127446	0	472	502	94 +	2	492	62979	63478
UN15386	Rsa1.0.00502.1	1062	204180	0	368	372	98 -	690	1061	11653	12024
UN15387	Rsa1.0.20478.1	1616	1301	0	608	623	97 +	994	1616	5	623
UN15388	Rsa1.0.01349.1	1317	47513	0	357	358	99 -	960	1317	45089	45446
UN15389	Rsa1.0.07974.1	689	8147	1.00E-119	264	279	94 -	412	687	6419	6697
UN15390	Rsa1.0.04140.1	483	18879	1.00E-164	298	300	99 +	183	482	3855	4154
UN15391	Rsa1.0.02966.1	980	135126	0	489	512	95 +	461	971	17972	18475
UN15392	Rsa1.0.00049.1	761	167018	0	376	386	97 -	378	761	7072	7451
UN15393	Rsa1.0.00732.1	838	66631	1.00E-110	304	331	91 +	484	812	1460	1787
UN15394	Rsa1.0.03355.1	861	23489	0	560	572	97 -	290	861	14140	14711
UN15395	Rsa1.0.01773.1	919	39546	1.00E-132	239	239	100 -	213	451	28417	28655
UN15396	Rsa1.0.00301.1	1520	365315	0	370	376	98 +	23	398	249	624
UN15397	Rsa1.0.00037.1	1133	307838	0	518	519	99 -	124	642	182054	182572
UN15398	Rsa1.0.36865.1	1389	612	1.00E-144	295	306	96 +	58	360	140	445
UN15399	Rsa1.0.00050.1	1119	237174	0	366	367	99 +	1	367	103878	104244
UN15400	Rsa1.0.00524.1	911	169613	0	420	430	97 +	450	874	129773	130202
UN15401	Rsa1.0.00777.1	909	191865	0	395	396	99 +	126	521	180530	180925
UN15402	Rsa1.0.00492.1	813	80178	4.00E-99	215	222	96 +	42	260	916	1135
UN15403	Rsa1.0.02550.1	1170	291051	1.00E-169	330	339	97 -	22	360	6190	6525

UN15404	Rsa1.0_12060.1	1085	5328	1.00E-102	235	250	94 +	832	1081	97	346
UN15405	Rsa1.0_02807.1	1289	27680	0	440	455	96 -	783	1236	5010	5464
UN15406	Rsa1.0_00502.1	1209	204180	0	451	468	96 +	15	479	61012	61469
UN15407	Rsa1.0_00648.1	1187	70351	1.00E-134	249	251	99 -	1	251	13289	13539
UN15408	Rsa1.0_00457.1	962	337301	1.00E-108	273	297	91 -	55	341	130569	130856
UN15409	Rsa1.0_00001.1	1051	363028	1.00E-163	378	406	93 -	649	1051	190757	191142
UN15410	Rsa1.0_00009.1	1097	232558	1.00E-110	224	231	96 -	867	1097	32980	33210
UN15411	Rsa1.0_02928.1	755	26680	1.00E-177	358	370	96 -	382	749	7245	7608
UN15412	Rsa1.0_00386.1	858	89134	1.00E-150	301	309	97 +	550	856	44310	44617
UN15413	Rsa1.0_07499.1	943	9244	0	414	421	98 +	513	933	6510	6930
UN15414	Rsa1.0_03218.1	1021	24539	1.00E-167	358	374	95 -	651	1021	3739	4112
UN15415	Rsa1.0_00675.1	1070	145590	0	418	422	99 -	648	1069	143628	144049
UN15416	Rsa1.0_00504.1	1160	79334	1.00E-100	213	222	95 -	265	486	31151	31372
UN15417	Rsa1.0_00059.1	1309	159650	1.00E-170	345	357	96 +	1	353	131062	131418
UN15418	Rsa1.0_02219.1	899	33798	0	887	889	99 -	9	897	21460	22347
UN15419	Rsa1.0_05559.1	1206	13329	0	430	440	97 -	87	526	8434	8872
UN15420	Rsa1.0_00110.1	1040	132719	1.00E-173	377	395	95 -	3	397	4280	4669
UN15421	Rsa1.0_01632.1	537	181224	0	533	535	99 -	1	535	145738	146271
UN15422	Rsa1.0_00526.1	1062	169279	0	495	499	99 -	199	697	148049	148547
UN15423	Rsa1.0_00324.1	1213	218805	0	1181	1227	96 +	3	1212	214955	216176
UN15424	Rsa1.0_03781.1	899	20891	0	703	728	96 +	171	897	11400	12127
UN15425	Rsa1.0_03158.1	1201	24950	0	447	472	94 -	732	1197	8092	8563
UN15426	Rsa1.0_00101.1	1082	267193	0	638	640	99 -	4	643	74600	75239
UN15427	Rsa1.0_00339.1	1031	222974	1.00E-93	220	231	95 -	800	1028	176096	176325
UN15428	Rsa1.0_00909.1	774	59976	0	501	514	97 -	8	521	26084	26597
UN15429	Rsa1.0_00285.1	971	149638	0	368	371	99 +	231	601	86908	87278
UN15430	Rsa1.0_02700.1	1088	28584	0	414	420	98 -	634	1053	2935	3354
UN15431	Rsa1.0_02097.1	757	35036	0	457	461	99 -	1	461	16158	16618
UN15432	Rsa1.0_00308.1	678	96915	1.00E-145	292	302	96 -	1	298	80355	80656
UN15433	Rsa1.0_00087.1	636	761073	0	630	636	99 -	1	634	580712	581347
UN15434	Rsa1.0_08358.1	1092	7484	0	408	424	96 +	2	418	6535	6958
UN15435	Rsa1.0_01104.1	1425	285480	0	844	879	96 -	547	1425	263864	264742
UN15436	Rsa1.0_01883.1	1021	37661	1.00E-156	367	394	93 -	3	390	22302	22692
UN15437	Rsa1.0_30502.1	1160	752	1.00E-158	361	383	94 -	35	416	372	752
UN15438	Rsa1.0_00556.1	726	207212	0	695	725	95 -	1	720	43742	44462
UN15439	Rsa1.0_03325.1	510	23720	1.00E-170	305	306	99 -	205	510	19985	20290
UN15440	Rsa1.0_00917.1	747	182012	0	434	448	96 +	6	449	175681	176128
UN15441	Rsa1.0_01096.1	868	54266	0	436	454	96 -	172	625	2669	3122
UN15442	Rsa1.0_00168.1	824	115870	0	497	512	97 +	316	823	40005	40513

UN15443	Rsa1.0.00195.1	729	251884	2.33E-156	282	288	97 +	445	729	83583	83870
UN15444	Rsa1.0.00482.1	868	81162	1.00E-130	239	240	99 +	268	507	63861	64100
UN15445	Rsa1.0.00121.1	1119	278029	1.00E-150	269	269	100 +	619	887	265346	265614
UN15446	Rsa1.0.00204.1	883	109056	0	510	539	94 -	1	528	9815	10350
UN15447	Rsa1.0.00802.1	778	63846	0	382	383	99 +	69	451	26121	26503
UN15448	Rsa1.0.00087.1	1307	761073	1.00E-123	240	245	97 -	806	1050	293120	293364
UN15449	Rsa1.0.07756.1	588	8634	6.00E-91	210	221	95 +	3	221	6503	6722
UN15450	Rsa1.0.08922.1	1073	6788	0	1041	1066	97 -	8	1073	1939	3002
UN15451	Rsa1.0.00078.1	836	175053	1.00E-171	308	309	99 +	248	556	47230	47538
UN15452	Rsa1.0.08410.1	1559	7406	0	354	358	98 -	2	358	6034	6390
UN15453	Rsa1.0.00762.1	910	165246	0	399	402	99 +	3	404	25816	26217
UN15454	Rsa1.0.05491.1	1074	13554	4.00E-93	180	182	98 +	681	862	9307	9488
UN15455	Rsa1.0.04478.1	735	17183	0	693	727	95 -	1	727	3347	4068
UN15456	Rsa1.0.03574.1	472	22004	4.00E-79	267	302	88 +	1	290	17888	18178
UN15457	Rsa1.0.00579.1	1029	148308	1.00E-133	257	262	98 -	300	561	70548	70809
UN15458	Rsa1.0.00092.1	1122	659932	0	1118	1119	99 -	3	1121	175649	176766
UN15459	Rsa1.0.02178.1	421	156197	2.00E-99	205	212	96 +	3	214	870	1081
UN15460	Rsa1.0.02987.1	1478	26196	0	481	510	94 -	979	1478	24975	25473
UN15461	Rsa1.0.00235.1	913	154696	0	443	463	95 +	27	488	139911	140365
UN15462	Rsa1.0.00040.1	699	324196	0	443	454	97 -	60	510	224430	224883
UN15463	Rsa1.0.02500.1	793	30768	1.00E-159	333	347	95 +	444	787	7770	8115
UN15464	Rsa1.0.00662.1	588	192183	1.00E-167	310	314	98 +	1	314	11320	11633
UN15465	Rsa1.0.00097.1	646	138858	1.00E-168	303	304	99 +	5	308	14049	14352
UN15466	Rsa1.0.37078.1	805	608	0	374	385	97 -	422	805	225	608
UN15467	Rsa1.0.00807.1	711	63607	1.00E-180	361	371	97 -	340	709	11803	12170
UN15468	Rsa1.0.00135.1	763	178077	1.00E-172	330	338	97 +	223	560	8955	9292
UN15469	Rsa1.0.01214.1	918	50599	0	878	922	95 -	2	917	49192	50111
UN15470	Rsa1.0.03517.1	1041	22337	1.00E-130	295	312	94 -	1	312	8366	8674
UN15471	Rsa1.0.11599.1	897	5462	1.00E-133	253	257	98 -	637	893	4673	4929
UN15472	Rsa1.0.08358.1	1096	7484	0	392	409	95 -	694	1095	6550	6958
UN15473	Rsa1.0.01931.1	1086	37187	0	541	573	94 +	390	960	32029	32590
UN15474	Rsa1.0.15178.1	790	2778	0	505	515	98 +	3	516	1791	2305
UN15475	Rsa1.0.00055.1	806	520193	1.00E-128	263	273	96 +	457	729	310467	310739
UN15476	Rsa1.0.00168.1	748	115870	1.00E-123	224	224	100 +	3	226	108565	108788
UN15477	Rsa1.0.00205.1	627	193401	1.00E-143	336	358	93 +	271	627	38432	38777
UN15478	Rsa1.0.00223.1	1393	106231	0	1068	1107	96 -	4	1109	2967	4073
UN15479	Rsa1.0.13708.1	1000	4447	1.00E-113	263	279	94 -	725	999	3623	3897
UN15480	Rsa1.0.01762.1	1150	39682	1.00E-142	378	416	90 -	720	1116	6860	7267
UN15481	Rsa1.0.06898.1	954	10191	3.00E-84	224	244	91 -	676	918	3249	3483

UN15482	Rsa1.0.01090.1	1629	54385	0	625	636	98 +	147	782	44296	44931
UN15483	Rsa1.0.00577.1	1325	174827	0	423	444	95 -	789	1229	149759	150199
UN15484	Rsa1.0.00246.1	1159	103541	1.00E-169	318	323	98 +	838	1157	34114	34436
UN15485	Rsa1.0.00615.1	1030	72235	0	668	690	96 +	1	684	54716	55402
UN15486	Rsa1.0.00184.1	1210	218748	0	864	873	98 +	339	1210	43850	44722
UN15487	Rsa1.0.02910.1	1115	26843	1.00E-164	307	309	99 -	209	516	1620	1927
UN15488	Rsa1.0.44116.1	929	510	0	347	350	99 -	324	673	81	430
UN15489	Rsa1.0.00038.1	1054	314568	0	426	435	97 +	1	435	252468	252902
UN15490	Rsa1.0.01050.1	807	55651	0	783	815	96 -	3	807	12073	12887
UN15491	Rsa1.0.03191.1	1000	145762	1.00E-133	348	382	91 +	633	1000	16325	16695
UN15492	Rsa1.0.00161.1	684	116891	0	660	685	96 +	1	682	32514	33198
UN15493	Rsa1.0.00135.1	1219	178077	0	478	478	100 +	741	1218	19426	19903
UN15494	Rsa1.0.11907.1	919	5374	0	487	492	98 -	1	492	1101	1591
UN15495	Rsa1.0.14913.1	1151	2969	0	461	482	95 +	666	1141	666	1145
UN15496	Rsa1.0.03295.1	1209	23970	1.00E-126	311	338	92 -	206	538	21467	21804
UN15497	Rsa1.0.02022.1	1261	35923	1.00E-151	324	340	95 +	864	1203	14042	14380
UN15498	Rsa1.0.02550.1	912	291051	0	323	323	100 -	1	323	6190	6512
UN15499	Rsa1.0.00060.1	1139	502678	1.00E-168	395	424	93 -	16	437	495990	496403
UN15500	Rsa1.0.00807.1	1631	63607	0	626	632	99 -	1001	1627	16993	17624
UN15501	Rsa1.0.08717.1	856	7008	0	497	534	93 -	33	558	2884	3412
UN15502	Rsa1.0.00777.1	947	191865	0	414	436	94 -	168	603	128527	128962
UN15503	Rsa1.0.00534.1	950	77361	0	529	563	93 +	1	551	8745	9305
UN15504	Rsa1.0.00027.1	838	283362	0	354	354	100 +	1	354	279811	280164
UN15505	Rsa1.0.05204.1	871	14516	0	427	459	93 -	108	551	6647	7105
UN15506	Rsa1.0.03499.1	1268	22462	0	731	775	94 -	497	1268	8399	9161
UN15507	Rsa1.0.00215.1	916	201775	7.00E-73	146	148	98 +	458	605	1921	2068
UN15508	Rsa1.0.02883.1	1116	27035	0	375	386	97 -	320	705	3528	3913
UN15509	Rsa1.0.03263.1	1366	24268	0	1061	1100	96 -	1	1087	20569	21661
UN15510	Rsa1.0.01537.1	462	187285	0	431	460	93 +	1	455	175370	175826
UN15511	Rsa1.0.00254.1	965	102600	1.00E-107	254	271	93 -	698	965	77343	77601
UN15512	Rsa1.0.01209.1	1002	50668	1.00E-176	351	361	97 +	648	1002	40043	40402
UN15513	Rsa1.0.00971.1	1410	57973	1.00E-148	322	338	95 -	4	336	51430	51764
UN15514	Rsa1.0.02019.1	1111	35983	1.00E-133	316	336	94 +	1	335	13309	13635
UN15515	Rsa1.0.01062.1	811	55325	1.00E-100	195	198	98 +	294	491	37369	37566
UN15516	Rsa1.0.01758.1	1116	39747	0	407	416	97 +	339	754	37154	37568
UN15517	Rsa1.0.00140.1	1518	121541	1.00E-165	346	363	95 +	1057	1419	49081	49443
UN15518	Rsa1.0.04034.1	1149	19481	1.00E-132	255	260	98 +	212	471	12812	13071
UN15519	Rsa1.0.02671.1	1185	28887	1.00E-154	322	336	95 -	850	1185	9126	9449
UN15520	Rsa1.0.00710.1	903	67325	1.00E-122	268	279	96 -	35	311	26519	26796

UN15521	Rsa1.0.00026.1	1168	327835	0	1029	1059	97 -	110	1167	2423	3481
UN15522	Rsa1.0.01783.1	521	39383	1.00E-173	314	316	99 +	61	376	19912	20227
UN15523	Rsa1.0.00842.1	1258	62493	1.00E-124	307	326	94 -	9	330	29546	29868
UN15524	Rsa1.0.01581.1	1225	42833	0	575	581	98 +	647	1225	1828	2408
UN15525	Rsa1.0.00119.1	1297	467509	1.00E-104	208	213	97 -	34	246	390249	390461
UN15526	Rsa1.0.00838.1	726	153820	0	414	426	97 +	5	428	52156	52579
UN15527	Rsa1.0.03127.1	1042	25191	0	830	865	95 -	1	847	18507	19371
UN15528	Rsa1.0.03282.1	492	24107	1.00E-109	220	224	98 -	269	491	9551	9773
UN15529	Rsa1.0.01696.1	755	301850	2.00E-75	144	144	100 -	596	739	291899	292042
UN15530	Rsa1.0.01850.1	1071	162224	1.00E-157	344	361	95 +	707	1065	31714	32072
UN15531	Rsa1.0.08558.1	1092	7198	0	436	446	97 +	3	446	2280	2721
UN15532	Rsa1.0.01512.1	1023	44234	0	526	530	99 +	1	529	20885	21414
UN15533	Rsa1.0.00113.1	705	131574	0	364	370	98 -	1	369	73859	74228
UN15534	Rsa1.0.00383.1	1240	398431	0	794	798	99 -	121	918	147000	147797
UN15535	Rsa1.0.00054.1	655	162053	1.00E-70	145	148	97 +	507	654	87400	87547
UN15536	Rsa1.0.00092.1	743	659932	0	652	676	96 +	1	675	126031	126699
UN15537	Rsa1.0.01435.1	1096	45942	0	384	397	96 +	702	1096	41112	41507
UN15538	Rsa1.0.03579.1	1086	21969	1.00E-109	366	403	90 +	704	1086	18958	19359
UN15539	Rsa1.0.00007.1	640	239325	0	530	553	95 +	95	640	58424	58966
UN15540	Rsa1.0.00301.1	731	365315	1.00E-129	337	370	91 +	373	729	346680	347040
UN15541	Rsa1.0.00165.1	666	116466	1.00E-116	225	228	98 -	440	666	26440	26667
UN15542	Rsa1.0.02443.1	930	31353	4.00E-65	146	151	96 -	1	151	20043	20192
UN15543	Rsa1.0.08807.1	947	6906	1.00E-150	295	302	97 -	647	947	3529	3830
UN15544	Rsa1.0.02022.1	1220	35923	1.00E-135	290	305	95 +	916	1220	14054	14358
UN15545	Rsa1.0.00251.1	1388	303968	0	607	620	97 +	2	621	83614	84232
UN15546	Rsa1.0.53223.1	1208	428	1.00E-151	312	322	96 -	3	321	1	321
UN15547	Rsa1.0.00473.1	1310	212204	0	414	423	97 +	881	1300	73422	73844
UN15548	Rsa1.0.02398.1	822	31766	0	814	822	99 +	1	821	4865	5684
UN15549	Rsa1.0.00447.1	1483	84051	0	1459	1480	98 -	3	1482	44335	45814
UN15550	Rsa1.0.01546.1	963	43586	0	527	528	99 -	2	528	34986	35513
UN15551	Rsa1.0.00222.1	1582	172263	0	485	489	99 -	3	491	15395	15882
UN15552	Rsa1.0.26066.1	786	908	0	560	570	98 -	13	582	339	908
UN15553	Rsa1.0.03500.1	827	22461	1.00E-178	316	316	100 -	511	826	10033	10348
UN15554	Rsa1.0.00008.1	626	358124	1.00E-118	234	239	97 -	1	237	67627	67865
UN15555	Rsa1.0.10460.1	1430	5842	0	814	825	98 +	604	1428	4237	5061
UN15556	Rsa1.0.06701.1	1920	10514	0	512	526	97 +	939	1464	707	1232
UN15557	Rsa1.0.05449.1	2007	13711	0	382	382	100 -	1626	2007	13265	13646
UN15558	Rsa1.0.00793.1	586	64103	1.00E-121	248	257	96 +	330	586	24186	24442
UN15559	Rsa1.0.06488.1	1822	141774	0	598	602	99 -	1222	1822	137824	138425

UN15560	Rsa1.0.05819.1	1319	12543	0	382	383	99 -	937	1319	10924	11305
UN15561	Rsa1.0.01618.1	649	42118	2.00E-87	241	259	93 -	380	636	17334	17587
UN15562	Rsa1.0.00111.1	706	390088	1.00E-169	412	449	91 +	262	706	75630	76057
UN15563	Rsa1.0.00034.1	1314	260119	1.00E-138	256	258	99 +	740	997	8763	9020
UN15564	Rsa1.0.00344.1	676	191774	1.00E-98	218	228	95 -	444	668	156236	156461
UN15565	Rsa1.0.20960.1	467	1250	0	437	455	96 -	10	462	521	974
UN15566	Rsa1.0.00848.1	335	152362	1.00E-151	285	290	98 +	1	290	48054	48343
UN15567	Rsa1.0.02020.1	1161	173211	0	584	596	97 -	1	595	154385	154980
UN15568	Rsa1.0.00171.1	636	115622	1.00E-144	322	345	93 -	293	626	50076	50420
UN15569	Rsa1.0.00841.1	803	183065	1.00E-140	253	253	100 +	1	253	1054	1306
UN15570	Rsa1.0.01946.1	977	36982	0	468	471	99 +	506	976	33540	34010
UN15571	Rsa1.0.00056.1	1225	332604	1.00E-152	303	312	97 -	914	1222	81919	82230
UN15572	Rsa1.0.00197.1	879	109714	0	684	702	97 +	178	879	64829	65530
UN15573	Rsa1.0.00636.1	1349	71113	1.00E-180	334	337	99 -	1	337	3145	3480
UN15574	Rsa1.0.02588.1	1307	29840	0	404	404	100 -	904	1307	14286	14689
UN15575	Rsa1.0.00033.1	1139	515811	2.33E-156	263	263	100 +	877	1139	131617	131879
UN15576	Rsa1.0.00630.1	1046	71281	1.00E-176	335	341	98 -	704	1044	59344	59683
UN15577	Rsa1.0.00971.1	1184	57973	1.00E-157	309	317	97 -	1	316	48427	48743
UN15578	Rsa1.0.03258.1	902	24302	1.00E-138	271	277	97 -	625	900	11034	11310
UN15579	Rsa1.0.00066.1	594	152418	1.00E-152	297	304	97 -	290	593	139751	140053
UN15580	Rsa1.0.00546.1	1132	76523	1.00E-127	235	236	99 -	28	263	67867	68102
UN15581	Rsa1.0.03001.1	1202	26108	2.33E-156	389	425	91 -	756	1172	5410	5824
UN15582	Rsa1.0.02955.1	988	26484	1.00E-167	351	363	96 +	625	986	13654	14013
UN15583	Rsa1.0.00759.1	894	65465	1.00E-111	205	205	100 -	42	246	63153	63357
UN15584	Rsa1.0.03940.1	1243	19962	0	842	843	99 -	1	842	12036	12878
UN15585	Rsa1.0.01355.1	837	47303	1.00E-166	311	316	98 +	414	729	23751	24066
UN15586	Rsa1.0.03344.1	1160	23593	0	423	448	94 -	8	455	12154	12601
UN15587	Rsa1.0.01581.1	669	42833	0	425	441	96 +	229	669	28862	29301
UN15588	Rsa1.0.07597.1	850	9055	7.00E-73	146	148	98 -	136	283	487	634
UN15589	Rsa1.0.00473.1	1115	212204	1.00E-111	254	268	94 -	15	281	73604	73864
UN15590	Rsa1.0.00451.1	951	322533	1.00E-176	354	371	95 +	2	372	48167	48522
UN15591	Rsa1.0.01955.1	1183	36850	0	964	993	97 +	190	1180	13035	14015
UN15592	Rsa1.0.05812.1	982	12571	0	907	940	96 -	46	982	2609	3548
UN15593	Rsa1.0.00020.1	1151	283099	1.00E-176	385	406	94 +	731	1130	140893	141292
UN15594	Rsa1.0.03134.1	1174	145023	0	513	516	99 +	260	775	136616	137131
UN15595	Rsa1.0.63936.1	1113	359	1.00E-152	297	305	97 +	669	973	55	359
UN15596	Rsa1.0.02616.1	802	29542	1.00E-138	266	270	98 -	2	270	22169	22438
UN15597	Rsa1.0.01112.1	939	310601	0	520	547	95 +	402	937	31685	32228
UN15598	Rsa1.0.00798.1	751	63945	1.00E-130	266	272	97 +	455	723	43764	44035

UN15599	Rsa1.0.07127.1	758	9863	0	725	756	95 +	1	755	8993	9738
UN15600	Rsa1.0.00333.1	1353	94500	0	532	565	94 +	803	1353	69143	69706
UN15601	Rsa1.0.01997.1	564	158416	3.00E-86	168	170	98 +	395	564	16696	16865
UN15602	Rsa1.0.06124.1	785	11681	1.00E-122	246	254	96 +	2	255	6814	7067
UN15603	Rsa1.0.00630.1	1071	71281	1.00E-168	306	308	99 -	764	1071	59376	59683
UN15604	Rsa1.0.12060.1	802	5328	1.00E-111	249	264	94 -	3	266	97	360
UN15605	Rsa1.0.00132.1	1470	124299	0	599	621	96 +	3	622	90920	91530
UN15606	Rsa1.0.00921.1	1114	59599	0	569	583	97 +	533	1114	2810	3388
UN15607	Rsa1.0.04342.1	760	17828	1.00E-166	320	328	97 -	2	329	422	749
UN15608	Rsa1.0.00133.1	582	123768	1.00E-119	218	218	100 +	365	582	66900	67117
UN15609	Rsa1.0.00032.1	622	306326	1.00E-158	285	286	99 +	3	288	154750	155035
UN15610	Rsa1.0.01249.1	757	188432	0	480	501	95 +	247	743	149428	149921
UN15611	Rsa1.0.08862.1	933	6847	0	351	356	98 +	3	358	4153	4508
UN15612	Rsa1.0.08565.1	865	7189	2.00E-91	224	238	94 +	1	230	313	549
UN15613	Rsa1.0.00913.1	586	59914	1.00E-167	358	376	95 -	9	384	16421	16793
UN15614	Rsa1.0.16367.1	752	2176	0	728	740	98 -	2	738	1412	2145
UN15615	Rsa1.0.00048.1	405	167185	1.00E-168	368	387	95 -	1	384	73806	74191
UN15616	Rsa1.0.03818.1	1121	20668	1.00E-129	237	238	99 -	884	1121	6686	6923
UN15617	Rsa1.0.03940.1	638	19962	0	452	467	96 -	172	638	12248	12712
UN15618	Rsa1.0.00017.1	741	752458	1.00E-147	264	264	100 +	1	264	141391	141654
UN15619	Rsa1.0.01340.1	844	47805	4.00E-65	256	301	85 +	8	298	20630	20919
UN15620	Rsa1.0.00018.1	760	410899	0	395	401	98 -	1	401	68738	69135
UN15621	Rsa1.0.00182.1	1393	142305	0	755	755	100 +	639	1393	94201	94955
UN15622	Rsa1.0.00603.1	481	73299	0	398	416	95 +	66	481	32629	33039
UN15623	Rsa1.0.00119.1	626	467509	0	462	487	94 +	141	626	374988	375470
UN15624	Rsa1.0.12119.1	903	5311	1.00E-130	272	284	95 -	568	851	4573	4856
UN15625	Rsa1.0.02707.1	1045	28520	1.00E-100	226	237	95 +	812	1045	26163	26399
UN15626	Rsa1.0.00111.1	815	390088	0	540	567	95 -	232	795	383652	384207
UN15627	Rsa1.0.00962.1	727	184909	0	341	344	99 +	385	727	13117	13460
UN15628	Rsa1.0.00728.1	684	66704	0	527	548	96 -	141	684	10712	11258
UN15629	Rsa1.0.02647.1	679	29120	0	631	637	99 -	42	678	25183	25819
UN15630	Rsa1.0.01195.1	731	147988	0	703	733	95 -	3	731	15402	16127
UN15631	Rsa1.0.02693.1	197	28617	4.00E-37	103	112	91 -	60	163	26854	26965
UN15632	Rsa1.0.00324.1	692	218805	0	482	485	99 +	2	486	213316	213800
UN15633	Rsa1.0.01015.1	883	56752	1.00E-131	246	249	98 +	9	257	1739	1987
UN15634	Rsa1.0.01209.1	1091	50668	0	652	685	95 +	5	677	48496	49180
UN15635	Rsa1.0.00091.1	1548	139699	0	913	966	94 -	605	1548	137530	138479
UN15636	Rsa1.0.00364.1	771	90951	1.00E-154	353	377	93 +	397	770	63260	63629
UN15637	Rsa1.0.01561.1	723	43227	0	536	560	95 +	156	713	82	638

UN15638	Rsa1.0_13593.1	754	4685	0	724	754	96 +	1	745	45	795
UN15639	Rsa1.0_03271.1	1061	24187	1.00E-158	293	296	98 +	1	296	14691	14986
UN15640	Rsa1.0_06092.1	298	11756	1.00E-144	291	300	97 -	1	298	2803	3100
UN15641	Rsa1.0_00013.1	1114	292129	3.00E-88	172	174	98 -	524	697	72142	72315
UN15642	Rsa1.0_00019.1	771	301669	7.00E-82	164	167	98 +	322	488	113991	114157
UN15643	Rsa1.0_02079.1	1169	35306	0	481	493	97 -	2	494	24546	25038
UN15644	Rsa1.0_00163.1	1390	116847	1.00E-155	321	334	96 -	1	334	83512	83844
UN15645	Rsa1.0_00355.1	706	92038	0	538	581	92 -	123	703	77872	78429
UN15646	Rsa1.0_02872.1	1057	27080	0	461	504	91 +	1	497	11254	11749
UN15647	Rsa1.0_63936.1	1151	359	1.00E-161	301	305	98 +	695	999	55	359
UN15648	Rsa1.0_01651.1	1095	41586	1.00E-153	281	283	99 -	571	853	15937	16219
UN15649	Rsa1.0_04892.1	1300	15573	1.00E-126	278	289	96 +	2	288	6177	6463
UN15650	Rsa1.0_01713.1	994	40564	6.00E-86	171	174	98 +	3	176	30522	30695
UN15651	Rsa1.0_00048.1	1176	167185	0	407	411	99 +	512	922	115660	116070
UN15652	Rsa1.0_02917.1	784	159058	0	662	681	97 +	2	682	144119	144797
UN15653	Rsa1.0_16726.1	906	2053	1.00E-124	290	313	92 -	1	313	1664	1961
UN15654	Rsa1.0_00066.1	987	152418	3.00E-94	182	184	98 +	582	765	41862	42045
UN15655	Rsa1.0_02966.1	750	135126	0	469	482	97 +	269	750	17972	18448
UN15656	Rsa1.0_32803.1	1488	693	0	538	578	93 -	326	888	1	572
UN15657	Rsa1.0_06709.1	1070	10501	0	501	505	99 +	564	1068	267	771
UN15658	Rsa1.0_01478.1	182	44991	4.00E-80	176	183	96 +	1	182	31650	31832
UN15659	Rsa1.0_07193.1	1107	9752	1.00E-122	226	227	99 +	825	1051	4357	4583
UN15660	Rsa1.0_00399.1	1174	242951	0	1130	1179	95 +	3	1168	16373	17538
UN15661	Rsa1.0_05713.1	828	12855	1.00E-132	250	252	99 -	12	262	2417	2668
UN15662	Rsa1.0_00480.1	743	81325	1.00E-166	309	313	98 -	1	313	43625	43937
UN15663	Rsa1.0_00692.1	666	68151	1.00E-148	377	414	91 -	2	415	52276	52689
UN15664	Rsa1.0_00451.1	510	322533	1.00E-140	277	285	97 +	92	376	993	1277
UN15665	Rsa1.0_02040.1	167	35684	1.00E-61	156	166	93 +	1	163	13306	13470
UN15666	Rsa1.0_00482.1	423	81162	0	421	425	99 +	2	423	41471	41895
UN15667	Rsa1.0_01101.1	1354	54031	1.00E-139	263	267	98 -	861	1127	22500	22766
UN15668	Rsa1.0_00265.1	763	220635	1.00E-116	306	336	91 +	386	715	195833	196168
UN15669	Rsa1.0_01659.1	1785	164577	0	605	633	95 -	157	781	143506	144135
UN15670	Rsa1.0_01568.1	715	43077	0	556	566	98 -	87	652	40968	41533
UN15671	Rsa1.0_01588.1	1084	42724	1.00E-162	321	331	96 -	756	1082	28807	29137
UN15672	Rsa1.0_00369.1	402	266462	4.00E-85	189	198	95 +	208	402	199451	199648
UN15673	Rsa1.0_00473.1	1245	212204	1.00E-159	288	289	99 +	955	1243	73607	73895
UN15674	Rsa1.0_01954.1	845	145554	0	538	580	92 -	1	562	13390	13963
UN15675	Rsa1.0_00040.1	538	324196	0	452	491	92 +	2	489	227886	228355
UN15676	Rsa1.0_00122.1	367	265937	1.00E-156	349	359	97 -	1	359	82125	82473

UN15677	Rsa1.0_02963.1	974	26407	1.00E-107	242	254	95 -	721	974	3757	4008
UN15678	Rsa1.0_13843.1	647	4225	0	369	373	98 +	3	373	960	1332
UN15679	Rsa1.0_00347.1	834	93048	0	371	382	97 +	451	832	86405	86776
UN15680	Rsa1.0_00198.1	823	222963	1.00E-104	201	204	98 -	3	206	42326	42529
UN15681	Rsa1.0_02505.1	1057	30703	1.00E-157	375	407	92 -	668	1057	9964	10365
UN15682	Rsa1.0_00644.1	1078	136881	0	449	449	100 +	1	449	62629	63077
UN15683	Rsa1.0_04192.1	1015	18572	0	692	712	97 -	304	1015	12152	12863
UN15684	Rsa1.0_00198.1	435	222963	0	370	372	99 +	1	372	40464	40834
UN15685	Rsa1.0_00143.1	797	121313	0	506	517	97 +	281	797	31129	31645
UN15686	Rsa1.0_02550.1	905	291051	1.00E-178	320	321	99 +	115	435	4853	5173
UN15687	Rsa1.0_00104.1	744	368722	6.00E-73	140	140	100 -	3	142	21169	21308
UN15688	Rsa1.0_00596.1	797	73578	5.00E-98	223	233	95 +	561	791	28854	29084
UN15689	Rsa1.0_00376.1	716	90101	1.00E-171	314	317	99 +	243	559	49173	49489
UN15690	Rsa1.0_01494.1	897	44641	1.00E-152	273	273	100 -	625	897	1605	1877
UN15691	Rsa1.0_07150.1	1115	9817	0	457	464	98 -	653	1115	1301	1764
UN15692	Rsa1.0_00900.1	519	60367	1.00E-128	273	286	95 +	2	284	12161	12446
UN15693	Rsa1.0_00985.1	549	161950	0	524	531	98 +	3	533	133141	133671
UN15694	Rsa1.0_00058.1	1366	159921	1.00E-148	272	274	99 -	1	274	93528	93801
UN15695	Rsa1.0_00029.1	727	272992	1.00E-166	305	308	99 -	85	392	10647	10954
UN15696	Rsa1.0_00497.1	694	79830	1.00E-156	285	287	99 +	1	287	50795	51081
UN15697	Rsa1.0_03422.1	268	23076	1.00E-149	267	267	100 +	2	268	10050	10316
UN15698	Rsa1.0_01245.1	1349	149868	0	546	547	99 -	1	546	37644	38190
UN15699	Rsa1.0_00240.1	1033	104175	1.00E-112	255	271	94 -	753	1022	53574	53836
UN15700	Rsa1.0_00342.1	702	93695	0	451	454	99 -	42	495	15020	15470
UN15701	Rsa1.0_00482.1	1346	81162	0	656	692	94 +	1	687	67345	68021
UN15702	Rsa1.0_00439.1	771	142776	1.00E-167	319	326	97 +	382	707	63131	63456
UN15703	Rsa1.0_01576.1	634	42923	1.00E-105	243	258	94 +	384	634	22319	22572
UN15704	Rsa1.0_00007.1	2091	239325	0	669	672	99 -	322	993	16013	16684
UN15705	Rsa1.0_02586.1	766	29856	0	698	709	98 -	1	709	15528	16236
UN15706	Rsa1.0_00437.1	542	84879	2.00E-87	213	230	92 +	3	225	64125	64354
UN15707	Rsa1.0_00018.1	535	410899	0	515	536	96 +	1	535	79154	79687
UN15708	Rsa1.0_39888.1	855	563	0	490	501	97 -	2	502	1	499
UN15709	Rsa1.0_02080.1	1429	35297	0	1413	1429	98 -	1	1428	19034	20458
UN15710	Rsa1.0_00001.1	777	363028	1.00E-132	240	240	100 -	1	240	91340	91579
UN15711	Rsa1.0_00107.1	361	431659	1.00E-109	244	256	95 -	101	352	180753	181005
UN15712	Rsa1.0_00773.1	1042	64839	0	457	467	97 +	3	469	25178	25644
UN15713	Rsa1.0_00017.1	1039	752458	0	423	442	95 -	587	1027	138929	139369
UN15714	Rsa1.0_03513.1	850	22349	0	490	503	97 -	349	850	20289	20791
UN15715	Rsa1.0_00388.1	797	88890	1.00E-142	299	311	96 +	490	797	56221	56525

UN15716	Rsa1.0.08459.1	998	7315	0	493	524	94 -	476	998	6317	6834
UN15717	Rsa1.0.00381.1	1157	89718	3.00E-97	214	224	95 -	3	224	73705	73928
UN15718	Rsa1.0.00042.1	1073	171507	0	1022	1036	98 -	39	1073	53369	54404
UN15719	Rsa1.0.00112.1	754	132199	1.00E-126	251	258	97 -	42	299	73976	74233
UN15720	Rsa1.0.00777.1	787	191865	0	417	429	97 -	24	452	128527	128955
UN15721	Rsa1.0.03962.1	1325	19860	0	1001	1034	96 -	1	1030	13047	14079
UN15722	Rsa1.0.04744.1	1260	16154	1.00E-169	338	348	97 -	1	345	7259	7606
UN15723	Rsa1.0.02913.1	977	26816	0	420	437	96 +	3	438	22158	22591
UN15724	Rsa1.0.00019.1	703	301669	0	452	468	96 -	1	466	233346	233812
UN15725	Rsa1.0.00105.1	767	134138	1.00E-101	188	188	100 -	374	561	68475	68662
UN15726	Rsa1.0.02641.1	1158	29191	0	331	332	99 +	3	334	5567	5898
UN15727	Rsa1.0.00552.1	897	206757	0	398	421	94 +	3	420	195137	195549
UN15728	Rsa1.0.01484.1	763	44806	0	736	763	96 +	1	763	28469	29218
UN15729	Rsa1.0.00073.1	794	240924	2.00E-88	187	194	96 -	297	490	98132	98325
UN15730	Rsa1.0.00294.1	602	144860	0	387	388	99 +	215	602	28240	28627
UN15731	Rsa1.0.01236.1	1184	50156	0	510	516	98 +	662	1177	12195	12709
UN15732	Rsa1.0.00707.1	860	190112	1.00E-148	267	267	100 -	164	430	155739	156005
UN15733	Rsa1.0.03036.1	1086	25826	0	914	923	99 -	167	1086	20398	21320
UN15734	Rsa1.0.00005.1	1657	353093	0	581	584	99 +	523	1105	138648	139230
UN15735	Rsa1.0.00707.1	801	190112	1.00E-172	346	359	96 -	3	361	156145	156503
UN15736	Rsa1.0.02398.1	610	31766	1.00E-102	257	276	93 +	335	610	5418	5689
UN15737	Rsa1.0.00087.1	745	761073	1.00E-143	283	288	98 -	458	743	191386	191671
UN15738	Rsa1.0.02410.1	1064	31659	0	971	1001	97 -	11	1009	20161	21156
UN15739	Rsa1.0.00501.1	532	79545	0	510	532	95 -	1	532	68684	69215
UN15740	Rsa1.0.00340.1	614	305782	1.00E-143	347	374	92 +	1	359	159726	160093
UN15741	Rsa1.0.00107.1	1529	431659	0	503	531	94 -	572	1097	148415	148945
UN15742	Rsa1.0.01949.1	692	36960	1.00E-103	233	246	94 +	6	250	23210	23455
UN15743	Rsa1.0.04850.1	713	15722	0	613	636	96 -	1	636	7334	7969
UN15744	Rsa1.0.00058.1	724	159921	0	538	545	98 +	3	547	49006	49550
UN15745	Rsa1.0.01403.1	657	46453	2.00E-87	179	184	97 -	297	480	25846	26029
UN15746	Rsa1.0.00152.1	681	257730	1.00E-160	293	294	99 +	389	681	214460	214753
UN15747	Rsa1.0.05611.1	933	13193	0	523	541	96 -	390	930	9253	9785
UN15748	Rsa1.0.00035.1	1630	176449	0	433	445	97 -	60	504	96531	96974
UN15749	Rsa1.0.00163.1	858	116847	0	506	533	94 -	330	858	72621	73151
UN15750	Rsa1.0.00453.1	831	83031	0	490	503	97 -	51	553	68504	69006
UN15751	Rsa1.0.01611.1	775	42269	1.00E-166	320	328	97 -	256	583	25466	25793
UN15752	Rsa1.0.01497.1	1354	44559	1.00E-143	331	352	94 +	1003	1352	42441	42784
UN15753	Rsa1.0.16574.1	627	2106	0	384	390	98 +	58	446	1717	2106
UN15754	Rsa1.0.25951.1	1118	912	0	496	507	97 +	238	742	77	583

UN15755	Rsa1.0.00175.1	815	166121	0	638	667	95 +	149	813	38440	39106
UN15756	Rsa1.0.05120.1	271	14793	1.00E-124	259	270	95 -	2	271	14397	14666
UN15757	Rsa1.0.02859.1	638	162118	1.00E-175	339	348	97 -	291	638	137969	138316
UN15758	Rsa1.0.03581.1	683	21965	0	395	407	97 -	53	454	20231	20636
UN15759	Rsa1.0.00793.1	1016	64103	1.00E-156	279	279	100 +	738	1016	38449	38727
UN15760	Rsa1.0.04124.1	1523	18945	1.00E-133	360	394	91 -	3	383	8363	8751
UN15761	Rsa1.0.00034.1	1782	260119	0	779	779	100 +	446	1224	66394	67172
UN15762	Rsa1.0.00216.1	857	197563	1.00E-119	296	316	93 +	1	314	50380	50690
UN15763	Rsa1.0.03581.1	588	21965	0	389	406	95 -	52	452	20231	20636
UN15764	Rsa1.0.00603.1	691	73299	0	662	693	95 -	3	691	58641	59327
UN15765	Rsa1.0.06852.1	1351	10265	0	538	565	95 +	792	1351	4327	4888
UN15766	Rsa1.0.02878.1	328	27048	1.00E-126	260	269	96 -	1	269	8374	8641
UN15767	Rsa1.0.01716.1	989	40483	1.00E-150	294	300	98 -	112	407	32951	33250
UN15768	Rsa1.0.00845.1	1464	62346	1.00E-166	335	348	96 -	350	697	12349	12696
UN15769	Rsa1.0.00136.1	1219	122464	0	463	480	96 -	689	1164	112511	112990
UN15770	Rsa1.0.01559.1	615	43262	2.00E-81	225	246	91 +	374	615	2268	2510
UN15771	Rsa1.0.00651.1	529	247766	1.00E-107	223	231	96 +	148	378	81983	82210
UN15772	Rsa1.0.00516.1	492	78417	1.00E-137	307	326	94 +	177	491	20048	20372
UN15773	Rsa1.0.02642.1	1565	29181	0	1232	1241	99 -	1	1240	13097	14337
UN15774	Rsa1.0.02173.1	771	34318	1.00E-110	230	239	96 -	394	632	16707	16945
UN15775	Rsa1.0.01015.1	1234	56752	1.00E-175	325	328	99 +	1	327	9980	10307
UN15776	Rsa1.0.03615.1	196	21766	3.00E-81	192	200	96 -	1	196	6198	6396
UN15777	Rsa1.0.00437.1	1095	84879	0	388	404	96 +	603	1006	39662	40065
UN15778	Rsa1.0.01882.1	682	37697	0	517	520	99 -	104	623	5482	6001
UN15779	Rsa1.0.54025.1	862	422	0	419	422	99 +	215	636	1	422
UN15780	Rsa1.0.04223.1	949	18407	0	417	421	99 -	3	421	6198	6618
UN15781	Rsa1.0.00239.1	834	104332	0	438	445	98 +	390	834	95757	96201
UN15782	Rsa1.0.05262.1	936	14334	1.00E-170	363	377	96 +	562	935	11001	11372
UN15783	Rsa1.0.00039.1	678	296927	0	661	676	97 -	3	678	288748	289421
UN15784	Rsa1.0.04524.1	1030	16981	0	413	435	94 +	604	1030	5653	6087
UN15785	Rsa1.0.02584.1	864	29877	0	436	450	96 +	412	861	806	1252
UN15786	Rsa1.0.04768.1	770	16066	0	750	771	97 +	2	770	4694	5463
UN15787	Rsa1.0.00075.1	1473	146680	0	387	394	98 -	1076	1469	29354	29743
UN15788	Rsa1.0.02152.1	654	34558	0	551	588	93 +	4	573	26481	27067
UN15789	Rsa1.0.00078.1	1308	175053	1.00E-138	365	402	90 -	1	393	74758	75152
UN15790	Rsa1.0.04538.1	714	16940	1.00E-116	258	270	95 -	1	267	12644	12910
UN15791	Rsa1.0.00434.1	841	85171	0	367	368	99 -	431	798	35769	36136
UN15792	Rsa1.0.00227.1	890	105849	0	660	660	100 -	231	890	9773	10432
UN15793	Rsa1.0.04192.1	569	18572	0	440	477	92 +	94	569	17147	17622

UN15794	Rsa1.0.00339.1	806	222974	2.00E-82	159	160	99 -	146	305	63385	63544
UN15795	Rsa1.0.00130.1	775	125737	1.00E-161	304	308	98 -	469	775	32083	32390
UN15796	Rsa1.0.00750.1	857	190548	0	637	651	97 -	189	836	184595	185244
UN15797	Rsa1.0.06465.1	1376	10962	0	516	528	97 -	35	562	4224	4749
UN15798	Rsa1.0.00065.1	749	454616	1.00E-121	268	278	96 -	473	749	232830	233100
UN15799	Rsa1.0.16574.1	731	2106	0	383	390	98 -	277	666	1717	2106
UN15800	Rsa1.0.04169.1	625	18712	1.00E-172	315	318	99 +	1	318	3208	3525
UN15801	Rsa1.0.02934.1	654	26627	0	635	657	96 +	1	654	24955	25610
UN15802	Rsa1.0.00153.1	808	192931	0	606	607	99 -	1	606	24233	24839
UN15803	Rsa1.0.00121.1	333	278029	1.00E-120	295	317	93 +	18	332	54300	54614
UN15804	Rsa1.0.00750.1	1189	190548	0	968	988	97 -	188	1172	184257	185239
UN15805	Rsa1.0.00013.1	938	292129	1.00E-107	205	206	99 +	665	870	73022	73226
UN15806	Rsa1.0.01453.1	804	45449	1.00E-113	266	282	94 +	523	800	6149	6430
UN15807	Rsa1.0.00269.1	910	341668	1.00E-117	225	227	99 +	685	910	323318	323544
UN15808	Rsa1.0.00224.1	859	327530	1.00E-92	182	185	98 +	3	187	36681	36865
UN15809	Rsa1.0.58152.1	604	393	9.00E-90	183	188	97 +	14	201	1	188
UN15810	Rsa1.0.07425.1	558	9414	1.00E-135	254	257	98 -	218	474	4720	4976
UN15811	Rsa1.0.00088.1	1172	141341	1.00E-114	237	246	96 -	926	1171	104118	104363
UN15812	Rsa1.0.00348.1	733	92818	0	356	359	99 +	2	360	49675	50033
UN15813	Rsa1.0.02001.1	492	36198	0	482	492	97 -	1	492	31958	32449
UN15814	Rsa1.0.00140.1	479	121541	1.00E-100	188	189	99 +	3	191	114	302
UN15815	Rsa1.0.00480.1	724	81325	0	394	407	96 -	1	404	29204	29607
UN15816	Rsa1.0.00326.1	791	171955	1.00E-148	284	290	97 -	1	290	82742	83031
UN15817	Rsa1.0.02633.1	828	29315	1.00E-161	349	369	94 +	100	456	405	771
UN15818	Rsa1.0.00147.1	1240	249503	0	338	341	99 -	900	1239	217846	218186
UN15819	Rsa1.0.00630.1	1450	71281	0	804	829	96 -	1	829	12763	13582
UN15820	Rsa1.0.01219.1	1049	50527	0	690	716	96 +	332	1045	39455	40167
UN15821	Rsa1.0.03380.1	1163	23320	0	350	356	98 +	3	358	4260	4615
UN15822	Rsa1.0.03718.1	710	21195	3.00E-90	181	185	97 -	479	663	1723	1907
UN15823	Rsa1.0.02676.1	289	28834	1.00E-137	277	287	96 +	3	289	12369	12655
UN15824	Rsa1.0.00130.1	323	125737	3.00E-97	209	216	96 +	110	323	618	833
UN15825	Rsa1.0.03303.1	544	23890	1.00E-130	245	248	98 +	297	544	7060	7307
UN15826	Rsa1.0.05199.1	752	14529	1.00E-158	429	479	89 +	277	752	7773	8230
UN15827	Rsa1.0.00653.1	750	70029	1.00E-122	265	277	95 -	202	472	37747	38020
UN15828	Rsa1.0.00192.1	428	278200	0	410	428	95 -	1	428	13722	14148
UN15829	Rsa1.0.00015.1	1557	561803	0	1061	1067	99 +	492	1557	362642	363708
UN15830	Rsa1.0.00336.1	1046	445051	1.00E-169	317	321	98 -	718	1038	164262	164581
UN15831	Rsa1.0.02963.1	978	26407	1.00E-111	243	254	95 +	727	976	5185	5437
UN15832	Rsa1.0.01656.1	526	41494	1.00E-82	176	182	96 -	19	197	14762	14943

UN15833	Rsa1.0.04518.1	859	17005	1.00E-148	290	298	97 -	1	298	11675	11972
UN15834	Rsa1.0.00246.1	995	103541	1.00E-148	341	359	94 -	627	981	26557	26905
UN15835	Rsa1.0.03142.1	896	25043	0	486	503	96 -	348	846	1430	1932
UN15836	Rsa1.0.00023.1	901	194764	0	600	636	94 -	1	627	118142	118765
UN15837	Rsa1.0.05510.1	1032	13470	1.00E-150	285	290	98 -	475	764	1981	2270
UN15838	Rsa1.0.03799.1	535	20775	9.00E-93	191	197	96 -	164	360	17302	17498
UN15839	Rsa1.0.00790.1	487	148693	1.00E-119	227	230	98 +	218	447	135658	135887
UN15840	Rsa1.0.00226.1	1018	105884	0	383	396	96 +	596	990	32605	32999
UN15841	Rsa1.0.01047.1	1005	55705	1.00E-170	316	320	98 +	686	1005	2010	2329
UN15842	Rsa1.0.16567.1	767	2109	8.00E-94	188	191	98 +	545	734	1316	1506
UN15843	Rsa1.0.00253.1	824	231292	1.00E-127	272	286	95 -	2	285	28152	28428
UN15844	Rsa1.0.00020.1	513	283099	1.00E-164	354	371	95 -	144	513	60898	61265
UN15845	Rsa1.0.01171.1	1068	51752	0	362	362	100 +	706	1067	50943	51304
UN15846	Rsa1.0.02834.1	695	27493	1.00E-174	368	382	96 -	1	380	24286	24665
UN15847	Rsa1.0.01908.1	1475	37427	0	911	957	95 +	276	1232	7707	8663
UN15848	Rsa1.0.01951.1	638	36941	1.00E-174	332	339	97 -	1	339	13558	13893
UN15849	Rsa1.0.00153.1	652	192931	0	556	578	96 -	1	574	157109	157686
UN15850	Rsa1.0.23535.1	631	1042	2.00E-63	130	132	98 +	212	343	98	229
UN15851	Rsa1.0.01068.1	638	55208	1.00E-98	200	205	97 +	40	244	5127	5328
UN15852	Rsa1.0.00163.1	692	116847	0	463	476	97 +	213	688	46561	47036
UN15853	Rsa1.0.02910.1	375	26843	5.00E-35	82	84	97 +	160	243	21401	21484
UN15854	Rsa1.0.00707.1	910	190112	1.00E-125	236	238	99 -	675	910	181078	181315
UN15855	Rsa1.0.00236.1	1293	104771	1.00E-163	372	395	94 -	16	403	82285	82673
UN15856	Rsa1.0.01655.1	686	41508	0	462	480	96 -	2	481	6342	6818
UN15857	Rsa1.0.02663.1	732	169243	1.00E-171	308	309	99 +	359	667	9930	10238
UN15858	Rsa1.0.00477.1	822	81556	0	416	429	96 +	1	425	23857	24283
UN15859	Rsa1.0.00087.1	1254	761073	1.00E-167	377	393	95 -	868	1254	615116	615505
UN15860	Rsa1.0.01245.1	540	149868	0	389	392	99 +	5	394	41022	41413
UN15861	Rsa1.0.00087.1	647	761073	1.00E-134	328	352	93 -	1	343	225356	225700
UN15862	Rsa1.0.00248.1	371	163568	1.00E-143	344	371	92 +	1	371	40147	40513
UN15863	Rsa1.0.02442.1	489	31355	1.00E-122	248	255	97 +	1	254	12550	12804
UN15864	Rsa1.0.11912.1	517	5372	0	491	514	95 +	1	514	1605	2115
UN15865	Rsa1.0.00451.1	661	322533	2.00E-57	196	225	87 +	1	225	293299	293508
UN15866	Rsa1.0.01104.1	1013	285480	1.00E-121	236	241	97 -	1	241	268644	268884
UN15867	Rsa1.0.00388.1	877	88890	0	396	398	99 -	3	400	56221	56618
UN15868	Rsa1.0.02389.1	716	146428	0	697	729	95 +	1	716	138078	138806
UN15869	Rsa1.0.00220.1	782	192936	0	418	426	98 -	193	615	16394	16819
UN15870	Rsa1.0.00018.1	732	410899	1.00E-174	330	337	97 +	87	423	114918	115254
UN15871	Rsa1.0.01937.1	1116	37147	0	423	439	96 -	5	437	21081	21517

UN15872	Rsa1.0.03579.1	1162	21969	0	403	422	95 -	1	421	18958	19378
UN15873	Rsa1.0.02434.1	437	31464	0	423	441	95 -	3	437	1757	2197
UN15874	Rsa1.0.01786.1	1020	133324	0	536	547	97 +	221	767	96281	96827
UN15875	Rsa1.0.00296.1	770	97854	1.00E-148	310	323	95 -	1	322	89589	89911
UN15876	Rsa1.0.00012.1	1121	222148	0	677	677	100 +	443	1119	130812	131488
UN15877	Rsa1.0.01232.1	332	155185	1.00E-117	295	322	91 +	11	332	108755	109076
UN15878	Rsa1.0.00977.1	490	198001	0	413	432	95 +	18	449	50788	51219
UN15879	Rsa1.0.00496.1	870	79834	0	458	461	99 +	197	654	30141	30601
UN15880	Rsa1.0.00651.1	669	247766	0	438	475	92 -	1	472	207681	208143
UN15881	Rsa1.0.00762.1	823	165246	1.00E-163	327	339	96 +	9	347	25879	26217
UN15882	Rsa1.0.31708.1	806	721	1.00E-115	214	215	99 +	259	473	43	257
UN15883	Rsa1.0.01434.1	594	45951	0	575	596	96 +	3	594	7332	7923
UN15884	Rsa1.0.00659.1	260	69733	3.00E-60	128	130	98 +	55	183	20021	20150
UN15885	Rsa1.0.00417.1	1522	395068	0	801	811	98 -	1	811	294903	295713
UN15886	Rsa1.0.00133.1	784	123768	1.00E-174	309	309	100 -	124	432	11639	11947
UN15887	Rsa1.0.00407.1	337	191544	1.00E-157	324	336	96 +	3	337	43105	43438
UN15888	Rsa1.0.08909.1	464	6799	1.00E-85	242	264	91 -	5	257	5387	5646
UN15889	Rsa1.0.03352.1	1520	23506	1.00E-128	279	289	96 -	1	288	4054	4339
UN15890	Rsa1.0.00038.1	851	314568	0	453	460	98 -	1	460	253300	253756
UN15891	Rsa1.0.43698.1	752	514	1.00E-163	298	300	99 +	254	553	215	514
UN15892	Rsa1.0.00897.1	747	60498	1.00E-112	238	249	95 -	349	597	22614	22856
UN15893	Rsa1.0.07536.1	1112	9178	0	419	419	100 -	687	1105	6475	6893
UN15894	Rsa1.0.00005.1	839	353093	0	829	837	99 +	1	837	288482	289318
UN15895	Rsa1.0.03738.1	1174	21071	1.00E-172	306	306	100 -	6	311	12767	13072
UN15896	Rsa1.0.01234.1	701	50183	0	509	509	100 -	3	511	8897	9405
UN15897	Rsa1.0.06571.1	767	10750	3.00E-81	157	158	99 +	38	195	4754	4911
UN15898	Rsa1.0.02839.1	1273	27391	0	365	365	100 -	235	599	18841	19205
UN15899	Rsa1.0.39888.1	936	563	0	491	501	98 +	435	935	1	499
UN15900	Rsa1.0.06201.1	1275	11506	1.00E-167	302	303	99 +	46	348	1	303
UN15901	Rsa1.0.03191.1	1061	145762	0	947	965	98 -	97	1061	137620	138583
UN15902	Rsa1.0.02373.1	270	32048	1.00E-116	260	274	94 -	1	270	30407	30680
UN15903	Rsa1.0.02908.1	253	26859	9.00E-91	214	228	93 -	27	252	9514	9741
UN15904	Rsa1.0.23451.1	1128	1048	0	396	396	100 -	2	397	184	579
UN15905	Rsa1.0.00385.1	634	89160	1.00E-76	167	174	95 +	262	435	50842	51015
UN15906	Rsa1.0.05228.1	864	14437	1.00E-163	356	377	94 +	2	364	4937	5313
UN15907	Rsa1.0.00002.1	513	601661	0	466	483	96 -	1	477	289127	289606
UN15908	Rsa1.0.00130.1	438	125737	1.00E-145	375	409	91 +	1	391	115167	115570
UN15909	Rsa1.0.02910.1	985	26843	1.00E-108	244	258	94 +	3	260	20245	20499
UN15910	Rsa1.0.00602.1	804	73302	1.00E-154	295	301	98 -	3	303	720	1020

UN15911	Rsa1.0.03738.1	1143	21071	1.00E-142	266	269	98 -	306	574	12425	12693
UN15912	Rsa1.0.00288.1	583	98659	1.00E-102	192	193	99 +	391	583	52056	52248
UN15913	Rsa1.0.00632.1	556	183777	2.00E-56	115	116	99 +	374	489	60381	60496
UN15914	Rsa1.0.01865.1	596	37992	0	580	595	97 +	1	594	25937	26528
UN15915	Rsa1.0.00098.1	352	349239	1.00E-149	330	350	94 +	3	352	292708	293055
UN15916	Rsa1.0.00200.1	591	162016	0	495	512	96 +	75	586	119257	119754
UN15917	Rsa1.0.00463.1	1540	189177	1.00E-141	255	255	100 -	928	1182	170242	170496
UN15918	Rsa1.0.03887.1	646	20247	1.00E-131	251	254	98 +	1	254	2246	2498
UN15919	Rsa1.0.00247.1	834	103408	0	378	380	99 -	447	825	65465	65844
UN15920	Rsa1.0.00382.1	882	251946	1.00E-159	285	285	100 +	1	285	245728	246012
UN15921	Rsa1.0.01171.1	776	51752	0	395	395	100 +	382	776	50943	51337
UN15922	Rsa1.0.00121.1	1335	278029	0	396	396	100 +	940	1335	31815	32210
UN15923	Rsa1.0.01578.1	524	42880	1.00E-161	333	348	95 -	2	349	31335	31682
UN15924	Rsa1.0.00013.1	804	292129	1.00E-163	305	308	99 +	497	804	159602	159908
UN15925	Rsa1.0.00222.1	650	172263	0	503	519	96 -	1	519	69472	69990
UN15926	Rsa1.0.03740.1	501	21065	0	462	492	93 +	1	489	14534	15023
UN15927	Rsa1.0.01166.1	458	51877	0	446	459	97 +	1	458	9156	9614
UN15928	Rsa1.0.00015.1	904	561803	0	427	428	99 -	1	428	401953	402379
UN15929	Rsa1.0.00139.1	387	357786	0	380	386	98 -	2	387	128742	129127
UN15930	Rsa1.0.07808.1	766	8504	0	565	574	98 +	82	655	154	727
UN15931	Rsa1.0.00126.1	1257	127534	1.00E-156	308	316	97 +	255	569	37046	37361
UN15932	Rsa1.0.00122.1	1123	265937	1.00E-117	247	254	97 +	3	255	5366	5617
UN15933	Rsa1.0.07396.1	812	9465	0	490	506	96 -	310	812	94	598
UN15934	Rsa1.0.02384.1	1285	31917	0	797	811	98 -	478	1285	5571	6378
UN15935	Rsa1.0.00893.1	640	60626	0	395	396	99 -	245	640	8442	8837
UN15936	Rsa1.0.01649.1	1145	41624	0	562	575	97 -	2	576	18793	19367
UN15937	Rsa1.0.00782.1	697	64468	1.00E-137	301	318	94 -	301	618	60301	60615
UN15938	Rsa1.0.30388.1	416	755	1.00E-118	216	216	100 -	2	217	533	748
UN15939	Rsa1.0.07344.1	744	9528	0	718	743	96 -	2	743	6004	6744
UN15940	Rsa1.0.02398.1	617	31766	1.00E-142	278	284	97 -	1	284	5418	5700
UN15941	Rsa1.0.00660.1	617	69688	1.00E-129	243	246	98 -	6	251	60390	60635
UN15942	Rsa1.0.00821.1	931	62891	1.00E-126	242	246	98 +	2	247	49074	49319
UN15943	Rsa1.0.00071.1	710	345714	1.00E-126	301	324	92 -	29	352	317193	317513
UN15944	Rsa1.0.03552.1	911	22151	0	419	426	98 -	1	425	12808	13231
UN15945	Rsa1.0.01896.1	793	37512	0	573	597	95 -	1	597	19518	20114
UN15946	Rsa1.0.00962.1	576	184909	0	334	334	100 +	243	576	13117	13450
UN15947	Rsa1.0.03347.1	868	23588	0	865	868	99 +	1	868	8101	8968
UN15948	Rsa1.0.01389.1	1024	46716	0	414	424	97 +	3	422	9743	10165
UN15949	Rsa1.0.39335.1	663	572	0	339	340	99 -	1	339	11	350

UN15950	Rsa1.0_00382.1	909	251946	1.00E-138	279	287	97 +	3	288	34566	34848
UN15951	Rsa1.0_00022.1	608	200461	1.00E-151	295	303	97 +	304	606	45805	46107
UN15952	Rsa1.0_10036.1	813	6030	1.00E-117	243	252	96 +	419	667	496	747
UN15953	Rsa1.0_00356.1	743	91521	0	721	743	97 +	1	743	4650	5391
UN15954	Rsa1.0_00071.1	777	345714	0	362	373	97 -	1	372	142456	142821
UN15955	Rsa1.0_00070.1	695	150321	1.00E-128	262	272	96 +	420	691	59705	59976
UN15956	Rsa1.0_01002.1	730	57063	0	724	731	99 -	1	730	20631	21361
UN15957	Rsa1.0_02020.1	686	173211	0	396	405	97 -	1	404	154513	154917
UN15958	Rsa1.0_02040.1	880	35684	1.00E-178	323	325	99 +	554	878	13231	13555
UN15959	Rsa1.0_12866.1	1229	5093	0	1021	1059	96 +	6	1062	1044	2094
UN15960	Rsa1.0_00128.1	530	228675	8.00E-87	219	233	93 -	4	232	61319	61549
UN15961	Rsa1.0_01078.1	524	316910	1.00E-153	309	318	97 +	207	522	290400	290717
UN15962	Rsa1.0_05611.1	813	13193	0	537	555	96 -	261	813	2578	3128
UN15963	Rsa1.0_00168.1	616	115870	1.00E-168	320	327	97 -	4	330	54746	55072
UN15964	Rsa1.0_01182.1	668	167304	5.00E-76	192	209	91 -	5	213	3474	3673
UN15965	Rsa1.0_01281.1	537	49313	1.00E-109	210	213	98 +	285	497	34295	34507
UN15966	Rsa1.0_01412.1	872	46311	0	479	498	96 -	5	501	9158	9650
UN15967	Rsa1.0_02496.1	735	30814	0	392	400	98 -	1	394	28985	29384
UN15968	Rsa1.0_03191.1	382	145762	1.00E-148	301	312	96 -	1	312	16325	16633
UN15969	Rsa1.0_12954.1	1009	5066	1.00E-107	256	272	94 +	17	287	3809	4076
UN15970	Rsa1.0_00630.1	562	71281	1.00E-158	314	319	98 -	203	517	62461	62779
UN15971	Rsa1.0_00171.1	600	115622	0	330	330	100 -	271	600	50091	50420
UN15972	Rsa1.0_29830.1	1085	770	0	409	437	93 +	649	1085	114	534
UN15973	Rsa1.0_00348.1	890	92818	0	444	454	97 -	440	889	49580	50033
UN15974	Rsa1.0_04396.1	1424	17561	0	1251	1287	97 +	50	1336	16277	17561
UN15975	Rsa1.0_00040.1	1314	324196	0	505	506	99 -	3	507	175165	175670
UN15976	Rsa1.0_00601.1	792	177045	0	394	404	97 +	1	400	26093	26496
UN15977	Rsa1.0_00341.1	631	249309	1.00E-73	225	249	90 -	375	620	123991	124239
UN15978	Rsa1.0_03900.1	1024	133221	1.00E-164	319	327	97 +	698	1024	3917	4239
UN15979	Rsa1.0_03465.1	1175	22700	0	508	522	97 -	569	1090	9803	10324
UN15980	Rsa1.0_00601.1	787	177045	0	404	404	100 -	384	787	26093	26496
UN15981	Rsa1.0_00163.1	1252	116847	0	1207	1249	96 -	5	1252	48260	49508
UN15982	Rsa1.0_31664.1	582	722	1.00E-111	204	204	100 +	60	263	514	717
UN15983	Rsa1.0_37263.1	1040	605	0	592	605	97 -	376	980	1	605
UN15984	Rsa1.0_00526.1	1440	169279	0	496	497	99 -	944	1440	128412	128908
UN15985	Rsa1.0_00456.1	638	82826	1.00E-134	263	270	97 +	19	288	65935	66204
UN15986	Rsa1.0_00001.1	1143	363028	0	549	549	100 +	595	1143	266567	267115
UN15987	Rsa1.0_00632.1	699	183777	1.00E-128	265	278	95 -	434	699	55976	56253
UN15988	Rsa1.0_00647.1	1008	70440	1.00E-170	303	303	100 +	706	1008	57755	58057

UN15989	Rsa1.0.00071.1	746	345714	1.00E-132	263	268	98 +	5	271	324470	324736
UN15990	Rsa1.0.13595.1	1543	4681	0	1127	1141	98 +	3	1143	3541	4681
UN15991	Rsa1.0.00182.1	978	142305	1.00E-139	252	252	100 -	320	571	74844	75095
UN15992	Rsa1.0.00075.1	1548	146680	0	457	482	94 +	1068	1548	17393	17857
UN15993	Rsa1.0.30668.1	1243	748	0	423	423	100 -	326	748	1	423
UN15994	Rsa1.0.06136.1	1668	11659	0	388	388	100 -	1001	1388	150	537
UN15995	Rsa1.0.05257.1	1857	14343	0	806	812	99 -	1031	1842	1937	2748
UN15996	Rsa1.0.00825.1	1624	62855	0	421	426	98 +	2	427	53120	53545
UN15997	Rsa1.0.03726.1	898	21160	4.00E-96	213	223	95 -	3	220	17199	17420
UN15998	Rsa1.0.59294.1	1232	386	5.00E-56	135	142	95 -	813	951	141	282
UN15999	Rsa1.0.01536.1	955	43747	0	347	349	99 +	482	830	28390	28738
UN16000	Rsa1.0.00246.1	1217	103541	1.00E-151	318	331	96 -	889	1216	89269	89594
UN16001	Rsa1.0.11549.1	1100	5473	0	529	530	99 -	571	1100	4464	4993
UN16002	Rsa1.0.01439.1	1521	45841	0	638	640	99 -	5	644	1211	1850
UN16003	Rsa1.0.00565.1	1182	75420	0	464	465	99 -	378	842	35259	35723
UN16004	Rsa1.0.03173.1	870	24815	1.00E-124	350	390	89 -	1	389	18617	19006
UN16005	Rsa1.0.01007.1	1029	56933	0	808	808	100 +	1	808	47967	48774
UN16006	Rsa1.0.00407.1	1610	191544	1.00E-174	310	310	100 -	3	312	9694	10003
UN16007	Rsa1.0.02314.1	1285	32642	1.00E-152	285	289	98 -	1	289	1471	1759
UN16008	Rsa1.0.05189.1	1124	14545	0	374	376	99 +	1	376	412	785
UN16009	Rsa1.0.00480.1	1114	81325	0	700	712	98 -	401	1111	3543	4254
UN16010	Rsa1.0.02878.1	1727	27048	0	607	630	96 -	1118	1727	8252	8880
UN16011	Rsa1.0.00156.1	704	118383	0	678	692	97 -	11	702	9517	10202
UN16012	Rsa1.0.03613.1	794	21773	1.00E-147	280	284	98 -	513	794	16649	16932
UN16013	Rsa1.0.00111.1	1551	390088	0	1506	1554	96 +	2	1551	189316	190869
UN16014	Rsa1.0.00247.1	1285	103408	2.00E-83	164	166	98 +	769	934	74405	74570
UN16015	Rsa1.0.03504.1	1117	22443	0	383	384	99 -	3	386	10641	11024
UN16016	Rsa1.0.02222.1	1279	152798	0	390	391	99 -	889	1279	14593	14983
UN16017	Rsa1.0.01015.1	1063	56752	0	612	618	99 +	65	682	8793	9410
UN16018	Rsa1.0.01829.1	1711	166063	0	1674	1728	96 +	3	1709	160068	161794
UN16019	Rsa1.0.00875.1	896	61371	0	856	890	96 +	1	890	6887	7775
UN16020	Rsa1.0.01382.1	1707	46877	0	508	509	99 +	586	1094	27502	28010
UN16021	Rsa1.0.02976.1	625	26315	1.00E-113	220	223	98 +	402	623	18887	19109
UN16022	Rsa1.0.08265.1	909	7630	0	483	488	98 -	422	908	6571	7058
UN16023	Rsa1.0.02663.1	1095	169243	0	366	372	98 -	725	1095	26577	26947
UN16024	Rsa1.0.00001.1	2871	363028	0	607	609	99 +	1	609	26313	26921
UN16025	Rsa1.0.00056.1	712	332604	1.00E-151	289	292	98 +	2	291	90001	90292
UN16026	Rsa1.0.01550.1	709	43443	1.00E-169	321	325	98 +	387	709	14090	14414
UN16027	Rsa1.0.00226.1	1989	105884	0	392	393	99 -	1175	1567	30643	31035

UN16028	Rsa1.0_00638.1	966	71037	1.00E-139	269	275	97 +	307	581	9032	9306
UN16029	Rsa1.0_03009.1	1173	26065	1.00E-114	230	237	97 -	823	1059	15481	15717
UN16030	Rsa1.0_01553.1	638	43379	1.00E-161	328	338	97 +	301	633	15175	15512
UN16031	Rsa1.0_00224.1	1064	327530	1.00E-118	223	225	99 +	1	225	36641	36865
UN16032	Rsa1.0_00959.1	1355	58202	0	958	997	96 +	3	984	56777	57763
UN16033	Rsa1.0_00832.1	1745	62622	0	1243	1252	99 +	1	1252	34375	35626
UN16034	Rsa1.0_02930.1	911	26668	0	886	908	97 +	3	910	12340	13247
UN16035	Rsa1.0_04542.1	952	16930	1.00E-155	319	331	96 +	623	950	16072	16395
UN16036	Rsa1.0_00398.1	1685	88007	0	732	776	94 +	410	1174	70194	70965
UN16037	Rsa1.0_04194.1	1364	132734	1.00E-151	287	292	98 -	801	1092	131500	131791
UN16038	Rsa1.0_01482.1	2060	44855	0	448	452	99 -	1607	2058	22594	23044
UN16039	Rsa1.0_00689.1	935	68305	0	567	581	97 +	130	710	12824	13401
UN16040	Rsa1.0_01047.1	1058	55705	1.00E-133	248	250	99 -	807	1056	27263	27512
UN16041	Rsa1.0_02378.1	1122	31991	0	414	428	96 +	677	1104	13753	14179
UN16042	Rsa1.0_03114.1	2214	25318	0	790	791	99 +	1191	1981	9889	10679
UN16043	Rsa1.0_04383.1	1652	17631	0	502	503	99 +	1	503	9306	9808
UN16044	Rsa1.0_00153.1	897	192931	0	569	575	98 +	324	895	157109	157683
UN16045	Rsa1.0_01249.1	1579	188432	0	1163	1163	100 +	417	1579	149233	150395
UN16046	Rsa1.0_01286.1	773	49209	0	580	580	100 +	2	581	3945	4524
UN16047	Rsa1.0_00134.1	1132	390219	0	554	602	92 -	535	1131	45107	45694
UN16048	Rsa1.0_02329.1	1439	32474	0	784	795	98 +	645	1437	10253	11044
UN16049	Rsa1.0_02400.1	933	31750	1.00E-175	322	324	99 -	610	933	19678	20000
UN16050	Rsa1.0_00734.1	718	66508	1.00E-107	278	305	91 +	216	514	38631	38935
UN16051	Rsa1.0_04544.1	2471	16917	0	751	751	100 +	1033	1783	6890	7640
UN16052	Rsa1.0_05448.1	1631	13712	1.00E-111	210	212	99 +	399	610	11459	11670
UN16053	Rsa1.0_01134.1	1933	52829	0	761	785	96 -	585	1365	23135	23912
UN16054	Rsa1.0_00180.1	1445	114581	0	1092	1119	97 -	331	1445	89957	91072
UN16055	Rsa1.0_08427.1	1121	7371	1.00E-180	320	320	100 -	1	320	1	320
UN16056	Rsa1.0_00900.1	918	60367	0	390	404	96 -	3	399	13294	13696
UN16057	Rsa1.0_13747.1	961	4388	0	405	407	99 +	1	407	1540	1946
UN16058	Rsa1.0_00003.1	1192	340054	0	435	436	99 +	1	436	276970	277405
UN16059	Rsa1.0_08532.1	1186	7228	1.00E-163	322	332	96 -	854	1185	2741	3072
UN16060	Rsa1.0_17922.1	667	1708	0	428	438	97 +	229	666	315	752
UN16061	Rsa1.0_02707.1	1073	28520	1.00E-114	232	237	97 -	7	243	26163	26396
UN16062	Rsa1.0_03278.1	1001	24125	1.00E-159	285	285	100 +	1	285	1987	2271
UN16063	Rsa1.0_01947.1	655	36977	0	614	633	96 +	4	636	24868	25499
UN16064	Rsa1.0_00720.1	896	66931	1.00E-135	244	244	100 +	151	394	35053	35296
UN16065	Rsa1.0_20365.1	1398	1313	0	462	474	97 +	87	555	1	474
UN16066	Rsa1.0_01376.1	1087	47004	3.00E-97	187	189	98 -	428	616	38534	38722

UN16067	Rsa1.0_04169.1	921	18712	1.00E-160	359	381	94 -	543	921	3161	3525
UN16068	Rsa1.0_02913.1	1057	26816	0	508	523	97 -	538	1057	22069	22591
UN16069	Rsa1.0_00979.1	1409	57733	0	372	372	100 +	1	372	30341	30712
UN16070	Rsa1.0_13917.1	834	4095	0	360	366	98 +	460	825	1	366
UN16071	Rsa1.0_01713.1	1272	40564	1.00E-130	332	365	90 -	919	1271	30338	30695
UN16072	Rsa1.0_00500.1	1211	272308	0	756	760	99 +	219	978	143032	143791
UN16073	Rsa1.0_01679.1	1308	146876	1.00E-160	307	313	98 -	998	1308	134935	135247
UN16074	Rsa1.0_00858.1	1735	61892	0	425	432	98 +	1304	1735	33273	33704
UN16075	Rsa1.0_02580.1	805	29909	0	790	799	98 -	6	803	20985	21783
UN16076	Rsa1.0_00029.1	760	272992	0	361	364	99 +	397	760	23298	23661
UN16077	Rsa1.0_02001.1	857	36198	0	495	514	96 +	345	855	31940	32448
UN16078	Rsa1.0_00333.1	1399	94500	1.00E-125	273	284	96 +	1044	1326	50447	50728
UN16079	Rsa1.0_01376.1	962	47004	1.00E-139	301	315	95 +	17	325	22466	22778
UN16080	Rsa1.0_00239.1	1636	104332	0	484	488	99 +	1151	1636	95757	96244
UN16081	Rsa1.0_00602.1	1283	73302	0	714	715	99 -	1	715	29563	30276
UN16082	Rsa1.0_00948.1	510	58620	6.00E-63	208	235	88 -	13	240	50679	50904
UN16083	Rsa1.0_02157.1	705	149652	4.00E-83	200	215	93 -	1	215	134118	134320
UN16084	Rsa1.0_02401.1	419	138425	1.00E-106	251	266	94 +	158	416	14881	15144
UN16085	Rsa1.0_01376.1	1066	47004	1.00E-127	273	285	95 -	778	1062	37678	37957
UN16086	Rsa1.0_06803.1	700	10330	0	616	624	98 +	77	700	4636	5259
UN16087	Rsa1.0_00102.1	1749	135497	0	988	993	99 -	758	1749	39624	40616
UN16088	Rsa1.0_03292.1	1385	23977	0	1283	1330	96 -	57	1385	10858	12173
UN16089	Rsa1.0_00058.1	1464	159921	1.00E-117	230	235	97 +	712	946	92939	93173
UN16090	Rsa1.0_06433.1	1258	11031	1.00E-105	209	213	98 +	1046	1258	8829	9039
UN16091	Rsa1.0_00175.1	1299	166121	1.00E-123	253	261	96 -	28	287	28735	28995
UN16092	Rsa1.0_00913.1	2060	59914	0	425	435	97 -	11	440	16421	16855
UN16093	Rsa1.0_00327.1	1414	94892	0	1192	1205	98 +	3	1206	69881	71076
UN16094	Rsa1.0_02556.1	1765	30133	0	560	562	99 +	92	653	2960	3521
UN16095	Rsa1.0_00471.1	1116	81897	0	395	395	100 -	1	395	4146	4540
UN16096	Rsa1.0_01484.1	1103	44806	0	662	663	99 -	3	665	40748	41410
UN16097	Rsa1.0_00186.1	1330	112669	0	620	628	98 +	2	629	111162	111789
UN16098	Rsa1.0_03303.1	1623	23890	0	405	407	99 +	847	1253	6082	6488
UN16099	Rsa1.0_00123.1	1022	325650	0	400	400	100 +	622	1021	267980	268379
UN16100	Rsa1.0_00592.1	1124	73788	1.00E-142	257	257	100 -	868	1124	10503	10759
UN16101	Rsa1.0_06803.1	1158	10330	1.00E-107	264	279	94 +	15	287	7267	7542
UN16102	Rsa1.0_00104.1	1867	368722	0	348	354	98 -	88	441	35597	35950
UN16103	Rsa1.0_60372.1	930	379	0	376	379	99 -	361	739	1	379
UN16104	Rsa1.0_01786.1	1948	133324	0	1119	1120	99 +	829	1948	97427	98546
UN16105	Rsa1.0_00019.1	1171	301669	0	471	474	99 -	11	484	233346	233819

UN16106	Rsa1.0_34603.1	1128	654	1.00E-113	230	237	97 -	86	322	223	456
UN16107	Rsa1.0_02070.1	1266	158516	1.00E-148	270	271	99 +	1	271	16290	16560
UN16108	Rsa1.0_01413.1	1417	46275	0	853	865	98 -	554	1410	40290	41154
UN16109	Rsa1.0_02825.1	843	27568	0	423	434	97 -	408	841	26073	26506
UN16110	Rsa1.0_03257.1	1191	24305	1.00E-160	293	294	99 -	897	1189	13738	14031
UN16111	Rsa1.0_05501.1	842	13513	6.00E-70	150	155	96 +	516	670	8665	8819
UN16112	Rsa1.0_01947.1	1940	36977	0	986	998	98 -	1	998	11580	12576
UN16113	Rsa1.0_73985.1	885	310	1.00E-144	259	259	100 -	1	259	1	259
UN16114	Rsa1.0_02950.1	1366	26506	6.00E-96	191	194	98 -	1171	1364	17900	18091
UN16115	Rsa1.0_00030.1	1659	250988	0	917	921	99 -	740	1659	141374	142293
UN16116	Rsa1.0_14230.1	1516	3638	1.00E-126	244	248	98 -	3	247	1860	2107
UN16117	Rsa1.0_17016.1	1008	1952	0	408	408	100 -	591	998	206	613
UN16118	Rsa1.0_08293.1	1056	7593	0	638	663	96 -	395	1056	5325	5983
UN16119	Rsa1.0_05221.1	975	14452	1.00E-148	266	266	100 +	3	268	9197	9462
UN16120	Rsa1.0_05510.1	1192	13470	0	341	346	98 -	847	1192	1552	1895
UN16121	Rsa1.0_00513.1	980	78579	1.00E-117	236	242	97 -	5	246	58775	59015
UN16122	Rsa1.0_03752.1	1188	21022	1.00E-109	226	234	96 -	16	249	1341	1574
UN16123	Rsa1.0_00676.1	1503	69166	0	1315	1361	96 +	46	1403	1037	2395
UN16124	Rsa1.0_01635.1	797	41865	1.00E-98	189	191	98 -	146	336	19217	19407
UN16125	Rsa1.0_02975.1	543	26322	1.00E-113	244	253	96 -	2	254	23332	23578
UN16126	Rsa1.0_00203.1	817	109129	9.00E-60	139	146	95 +	478	623	3653	3798
UN16127	Rsa1.0_01669.1	1008	41286	1.00E-166	306	309	99 -	700	1008	5328	5636
UN16128	Rsa1.0_02935.1	1092	26621	1.00E-176	320	322	99 -	155	476	20469	20790
UN16129	Rsa1.0_02149.1	1351	148330	1.00E-125	248	255	97 +	507	755	17448	17702
UN16130	Rsa1.0_01117.1	1779	53465	0	453	481	94 +	1	464	40118	40598
UN16131	Rsa1.0_04355.1	687	146733	0	398	411	96 -	277	687	14261	14671
UN16132	Rsa1.0_02404.1	1150	31702	0	1133	1137	99 +	12	1148	5089	6225
UN16133	Rsa1.0_00707.1	1038	190112	1.00E-145	300	312	96 -	728	1037	155116	155427
UN16134	Rsa1.0_01170.1	893	161131	1.00E-127	251	257	97 +	30	286	130492	130745
UN16135	Rsa1.0_01456.1	785	45372	0	726	750	96 +	3	752	25876	26624
UN16136	Rsa1.0_01946.1	2324	36982	0	716	724	98 -	1601	2323	35168	35891
UN16137	Rsa1.0_02730.1	714	28385	0	584	587	99 +	112	698	13862	14448
UN16138	Rsa1.0_00204.1	1352	109056	1.00E-115	217	219	99 +	960	1178	52555	52773
UN16139	Rsa1.0_00094.1	1681	139042	0	491	515	95 +	1	513	42328	42835
UN16140	Rsa1.0_03738.1	821	21071	1.00E-147	268	269	99 -	314	582	12425	12693
UN16141	Rsa1.0_02205.1	812	33923	0	770	816	94 -	4	811	5195	6007
UN16142	Rsa1.0_04852.1	1823	15712	0	1127	1169	96 +	387	1555	8979	10147
UN16143	Rsa1.0_02254.1	1584	33344	0	469	479	97 +	1106	1583	2379	2854
UN16144	Rsa1.0_00250.1	801	273771	0	536	548	97 +	3	542	39182	39729

UN16145	Rsa1.0_00066.1	1332	152418	0	560	589	95 +	695	1282	112082	112670
UN16146	Rsa1.0_01453.1	872	45449	0	821	849	96 -	5	847	5585	6430
UN16147	Rsa1.0_03482.1	1107	22625	0	364	364	100 +	3	366	4787	5150
UN16148	Rsa1.0_00205.1	1631	193401	1.00E-122	224	224	100 +	983	1206	128919	129142
UN16149	Rsa1.0_05632.1	804	13120	0	482	489	98 +	310	798	9527	10015
UN16150	Rsa1.0_00016.1	892	831256	0	400	407	98 -	456	860	403615	404021
UN16151	Rsa1.0_00804.1	882	63726	0	493	495	99 -	388	882	15873	16367
UN16152	Rsa1.0_03543.1	1113	22185	0	395	398	99 -	714	1111	10470	10867
UN16153	Rsa1.0_01740.1	945	39986	1.00E-133	277	288	96 -	101	385	27598	27885
UN16154	Rsa1.0_03366.1	1339	23401	0	497	506	98 -	1	505	10204	10709
UN16155	Rsa1.0_00714.1	1444	67187	1.00E-161	291	292	99 +	1151	1442	393	684
UN16156	Rsa1.0_00201.1	789	232851	0	412	418	98 +	372	789	30998	31414
UN16157	Rsa1.0_00276.1	1622	100160	0	444	447	99 +	2	447	77970	78416
UN16158	Rsa1.0_01537.1	1121	187285	0	1086	1120	96 +	2	1121	33171	34289
UN16159	Rsa1.0_00135.1	783	178077	0	357	368	97 -	150	517	169208	169575
UN16160	Rsa1.0_00471.1	720	81897	0	430	434	99 -	277	710	24702	25135
UN16161	Rsa1.0_00962.1	1897	184909	0	362	365	99 -	1	364	37364	37726
UN16162	Rsa1.0_00793.1	1696	64103	1.00E-155	278	278	100 -	1415	1692	12995	13272
UN16163	Rsa1.0_01011.1	1992	56883	0	622	629	98 +	546	1174	25569	26195
UN16164	Rsa1.0_00381.1	744	89718	0	375	376	99 +	6	381	65776	66151
UN16165	Rsa1.0_07824.1	996	8467	0	356	358	99 -	638	995	2585	2940
UN16166	Rsa1.0_05660.1	1343	13012	0	599	603	99 -	3	605	4750	5352
UN16167	Rsa1.0_03305.1	1188	147552	0	455	463	98 +	707	1168	141859	142321
UN16168	Rsa1.0_00369.1	988	266462	0	417	427	97 -	563	988	4549	4974
UN16169	Rsa1.0_00265.1	1990	220635	0	621	658	94 -	698	1355	175101	175758
UN16170	Rsa1.0_03759.1	1338	20987	0	1311	1335	98 +	1	1331	15445	16779
UN16171	Rsa1.0_04156.1	1388	18799	0	455	476	95 +	8	479	273	746
UN16172	Rsa1.0_00176.1	1166	240984	0	551	561	98 -	567	1127	210502	211062
UN16173	Rsa1.0_02727.1	2123	28404	0	1672	1715	97 +	1	1708	3361	5070
UN16174	Rsa1.0_00589.1	1028	209965	0	1004	1026	97 -	3	1028	154641	155658
UN16175	Rsa1.0_03326.1	751	23710	0	518	520	99 +	232	751	17095	17614
UN16176	Rsa1.0_02254.1	1231	33344	0	422	422	100 +	27	448	32196	32617
UN16177	Rsa1.0_00107.1	2055	431659	0	675	682	98 -	731	1412	292597	293278
UN16178	Rsa1.0_07250.1	1008	9663	0	967	1006	96 +	3	1008	5296	6293
UN16179	Rsa1.0_01435.1	688	45942	1.00E-166	374	395	94 +	289	678	28028	28421
UN16180	Rsa1.0_00822.1	1374	62891	2.00E-98	198	203	97 +	10	212	29926	30128
UN16181	Rsa1.0_00807.1	1428	63607	0	817	834	97 +	589	1422	61983	62811
UN16182	Rsa1.0_00690.1	821	140527	1.00E-126	265	273	97 +	549	820	31841	32111
UN16183	Rsa1.0_17740.1	604	1752	1.00E-160	308	314	98 -	290	602	1182	1495

UN16184	Rsa1.0.01512.1	1026	44234	0	379	380	99 -	647	1026	31276	31655
UN16185	Rsa1.0.00261.1	824	151157	0	809	825	98 -	1	822	116726	117547
UN16186	Rsa1.0.03477.1	964	22635	0	414	433	95 -	534	964	8439	8869
UN16187	Rsa1.0.01407.1	2405	46425	0	1351	1361	99 +	1	1361	14933	16293
UN16188	Rsa1.0.01786.1	1052	133324	1.00E-145	375	405	92 +	2	403	100602	100988
UN16189	Rsa1.0.02949.1	1423	26506	0	609	632	96 -	575	1206	13033	13664
UN16190	Rsa1.0.04390.1	1025	17598	0	398	405	98 -	619	1023	15931	16335
UN16191	Rsa1.0.03548.1	1019	22164	2.00E-51	157	172	91 -	820	990	1995	2165
UN16192	Rsa1.0.00007.1	1004	239325	1.00E-111	207	208	99 +	442	649	108295	108502
UN16193	Rsa1.0.00748.1	1416	65983	0	479	483	99 +	934	1416	59992	60474
UN16194	Rsa1.0.00923.1	1382	153678	1.00E-129	247	251	98 +	211	461	31482	31732
UN16195	Rsa1.0.01421.1	850	46197	0	677	680	99 -	166	845	18146	18825
UN16196	Rsa1.0.02267.1	2040	33194	0	556	586	94 +	1	573	22181	22764
UN16197	Rsa1.0.00059.1	806	159650	1.00E-119	232	234	99 -	1	233	70204	70436
UN16198	Rsa1.0.00429.1	1815	85559	0	629	635	99 +	535	1169	60450	61084
UN16199	Rsa1.0.03491.1	684	22541	0	588	612	96 +	52	653	8979	9590
UN16200	Rsa1.0.00476.1	1725	280966	1.00E-152	279	281	99 -	4	284	239317	239597
UN16201	Rsa1.0.00175.1	806	166121	0	643	669	96 -	1	667	38440	39108
UN16202	Rsa1.0.00361.1	807	91181	1.00E-152	276	277	99 +	161	437	12174	12450
UN16203	Rsa1.0.00190.1	1219	318240	0	608	623	97 -	603	1219	140909	141530
UN16204	Rsa1.0.01434.1	1194	45951	0	1166	1181	98 +	3	1180	7329	8506
UN16205	Rsa1.0.00094.1	1406	139042	1.00E-108	210	212	99 +	1191	1401	60270	60481
UN16206	Rsa1.0.01344.1	1553	142535	0	441	441	100 +	29	469	109904	110344
UN16207	Rsa1.0.00387.1	1152	495407	1.00E-179	325	326	99 +	827	1152	134727	135051
UN16208	Rsa1.0.09117.1	1258	6637	0	405	420	96 -	846	1258	819	1236
UN16209	Rsa1.0.01581.1	1855	42833	0	524	549	95 -	1276	1817	8519	9067
UN16210	Rsa1.0.00002.1	744	601661	0	709	722	98 -	3	721	273785	274505
UN16211	Rsa1.0.03562.1	755	22084	0	638	642	99 +	31	672	5820	6461
UN16212	Rsa1.0.00770.1	935	64900	1.00E-156	313	324	96 -	610	933	9397	9720
UN16213	Rsa1.0.04128.1	1141	18927	0	517	539	95 -	4	541	12414	12952
UN16214	Rsa1.0.00069.1	845	403561	1.00E-166	332	343	96 -	4	343	151346	151688
UN16215	Rsa1.0.00171.1	743	115622	0	367	371	98 -	3	373	50726	51096
UN16216	Rsa1.0.00060.1	850	502678	0	821	838	97 -	1	838	64710	65547
UN16217	Rsa1.0.03726.1	847	21160	0	421	429	98 +	1	429	14268	14696
UN16218	Rsa1.0.00301.1	1751	365315	1.00E-165	328	336	97 +	1417	1751	189263	189597
UN16219	Rsa1.0.06213.1	872	11478	0	474	509	93 +	1	502	1038	1532
UN16220	Rsa1.0.00152.1	1421	257730	0	448	461	97 +	966	1421	66795	67255
UN16221	Rsa1.0.01866.1	990	37961	1.00E-103	206	211	97 +	208	418	12996	13206
UN16222	Rsa1.0.00789.1	1036	64233	0	404	425	95 +	615	1034	24999	25420

UN16223	Rsa1.0.00526.1	1332	169279	0	586	599	97 -	2	600	110767	111365
UN16224	Rsa1.0.35238.1	624	642	1.00E-101	208	214	97 -	353	564	129	342
UN16225	Rsa1.0.03028.1	1104	25872	1.00E-113	267	282	94 +	88	363	20177	20458
UN16226	Rsa1.0.00571.1	891	329018	1.00E-148	293	302	97 +	1	302	188139	188440
UN16227	Rsa1.0.00127.1	1354	127446	0	784	810	96 -	70	879	102847	103656
UN16228	Rsa1.0.23719.1	1623	1029	0	378	388	97 -	1	388	175	559
UN16229	Rsa1.0.00524.1	1309	169613	0	715	725	98 -	582	1306	151027	151750
UN16230	Rsa1.0.00866.1	731	61676	6.00E-76	152	153	99 -	578	729	55378	55530
UN16231	Rsa1.0.02178.1	896	156197	0	499	503	99 -	61	563	1510	2012
UN16232	Rsa1.0.00281.1	1796	99908	0	781	781	100 -	477	1257	83409	84189
UN16233	Rsa1.0.00577.1	1281	174827	0	344	344	100 +	937	1280	118729	119072
UN16234	Rsa1.0.01553.1	1233	43379	1.00E-150	295	302	97 +	926	1226	5534	5835
UN16235	Rsa1.0.02029.1	1106	35857	0	576	590	97 +	517	1105	13320	13907
UN16236	Rsa1.0.00251.1	1272	303968	1.00E-145	270	273	98 -	1000	1272	287414	287686
UN16237	Rsa1.0.01896.1	1289	37512	0	485	498	97 +	748	1245	9812	10308
UN16238	Rsa1.0.02874.1	931	27070	0	528	532	99 -	397	927	26412	26943
UN16239	Rsa1.0.00751.1	1364	65759	0	492	493	99 -	286	778	46552	47044
UN16240	Rsa1.0.00679.1	934	68971	9.00E-85	166	168	98 +	169	336	65933	66100
UN16241	Rsa1.0.00928.1	2266	59293	0	722	743	97 +	1523	2265	23621	24363
UN16242	Rsa1.0.01416.1	1024	46262	0	998	1009	98 -	14	1022	38989	39997
UN16243	Rsa1.0.00627.1	791	71566	1.00E-103	283	311	90 -	463	764	4453	4756
UN16244	Rsa1.0.20651.1	2014	1283	0	389	392	99 +	1	392	732	1120
UN16245	Rsa1.0.63163.1	891	363	0	362	363	99 +	487	849	1	363
UN16246	Rsa1.0.00001.1	798	363028	1.00E-142	296	306	96 -	3	308	101796	102096
UN16247	Rsa1.0.00087.1	744	761073	1.00E-109	211	213	99 +	533	744	314989	315201
UN16248	Rsa1.0.03925.1	784	20025	0	340	340	100 -	10	349	3816	4155
UN16249	Rsa1.0.00221.1	1009	106972	0	484	509	95 -	8	515	23885	24385
UN16250	Rsa1.0.02706.1	523	28522	0	520	524	99 -	1	523	26835	27358
UN16251	Rsa1.0.00714.1	801	67187	0	404	407	99 +	395	801	46605	47010
UN16252	Rsa1.0.00642.1	1062	201230	1.00E-155	358	379	94 +	688	1061	161688	162063
UN16253	Rsa1.0.00947.1	1159	58664	0	409	418	97 +	586	1003	58154	58571
UN16254	Rsa1.0.10789.1	954	5720	9.00E-14	96	113	84 -	175	287	1056	1167
UN16255	Rsa1.0.03735.1	1254	21087	0	671	673	99 -	581	1253	7918	8590
UN16256	Rsa1.0.02178.1	638	156197	1.00E-137	297	310	95 +	2	310	151574	151879
UN16257	Rsa1.0.02085.1	1340	35198	1.00E-130	275	284	96 +	1057	1339	17654	17935
UN16258	Rsa1.0.04584.1	879	16756	1.00E-118	235	240	97 +	641	879	11165	11404
UN16259	Rsa1.0.00652.1	887	70089	1.00E-165	322	330	97 -	558	887	59380	59707
UN16260	Rsa1.0.00934.1	1096	193516	0	568	582	97 +	509	1090	176062	176637
UN16261	Rsa1.0.32205.1	1049	707	0	435	441	98 +	2	442	269	707

UN16262	Rsa1.0.00119.1	1366	467509	1.00E-111	275	296	92 +	1072	1364	390249	390544
UN16263	Rsa1.0.00244.1	852	103590	2.00E-45	150	168	89 -	102	269	73674	73838
UN16264	Rsa1.0.00013.1	947	292129	3.00E-81	169	174	97 -	432	605	72142	72315
UN16265	Rsa1.0.00485.1	1194	80937	0	392	404	97 -	2	405	16634	17037
UN16266	Rsa1.0.04223.1	1268	18407	0	1224	1268	96 -	1	1267	2341	3607
UN16267	Rsa1.0.01420.1	1403	46210	1.00E-122	229	231	99 +	776	1006	8010	8240
UN16268	Rsa1.0.00287.1	950	98687	0	420	429	97 -	121	549	57224	57652
UN16269	Rsa1.0.07607.1	1110	9034	0	674	680	99 -	1	680	4506	5185
UN16270	Rsa1.0.01031.1	1286	56236	1.00E-72	158	164	96 +	888	1051	6523	6686
UN16271	Rsa1.0.02231.1	902	33661	0	515	525	98 -	378	902	18154	18678
UN16272	Rsa1.0.00017.1	1013	752458	1.00E-130	316	337	93 +	679	1008	11197	11531
UN16273	Rsa1.0.00167.1	1458	116000	0	550	560	98 +	563	1122	84148	84707
UN16274	Rsa1.0.16915.1	1401	1991	1.00E-102	203	206	98 +	79	284	5	209
UN16275	Rsa1.0.00175.1	1264	166121	0	445	449	99 +	1	449	139806	140253
UN16276	Rsa1.0.00913.1	1384	59914	0	440	470	93 -	933	1383	54248	54717
UN16277	Rsa1.0.03485.1	1147	22606	1.00E-120	223	224	99 -	332	555	586	809
UN16278	Rsa1.0.03163.1	1428	24894	0	582	594	97 -	1	593	22793	23386
UN16279	Rsa1.0.01156.1	1521	52147	0	685	701	97 +	19	719	28060	28754
UN16280	Rsa1.0.01352.1	1308	47443	1.00E-102	219	229	95 +	357	585	12214	12442
UN16281	Rsa1.0.00180.1	848	114581	1.00E-172	334	342	97 +	507	848	63449	63789
UN16282	Rsa1.0.01954.1	790	145554	1.00E-163	297	299	99 -	491	789	12997	13295
UN16283	Rsa1.0.05523.1	896	13438	0	707	751	94 +	3	729	9041	9791
UN16284	Rsa1.0.02730.1	1228	28385	0	371	374	99 +	854	1226	3777	4150
UN16285	Rsa1.0.02316.1	911	32608	0	890	910	97 -	3	911	5912	6817
UN16286	Rsa1.0.02122.1	1378	34797	0	405	409	99 -	973	1378	26094	26501
UN16287	Rsa1.0.04883.1	2002	15603	0	792	797	99 -	1204	1999	10313	11109
UN16288	Rsa1.0.04395.1	644	17570	1.00E-173	320	324	98 -	321	644	9961	10284
UN16289	Rsa1.0.04622.1	1222	16618	0	492	496	99 +	1	496	14007	14502
UN16290	Rsa1.0.00163.1	1219	116847	0	756	771	98 +	1	771	7919	8685
UN16291	Rsa1.0.00577.1	1948	174827	1.00E-176	380	397	95 +	1165	1554	148897	149290
UN16292	Rsa1.0.03109.1	1723	25336	0	688	703	97 +	1022	1723	3130	3826
UN16293	Rsa1.0.01719.1	1802	40388	0	868	886	97 -	915	1800	31856	32737
UN16294	Rsa1.0.03209.1	707	24592	0	417	439	94 +	270	707	18885	19318
UN16295	Rsa1.0.00223.1	1305	106231	0	354	358	98 -	1	358	41017	41374
UN16296	Rsa1.0.03569.1	663	22041	1.00E-135	251	253	99 -	411	663	19456	19708
UN16297	Rsa1.0.48139.1	1227	470	0	387	395	97 -	424	818	76	470
UN16298	Rsa1.0.00369.1	839	266462	0	647	667	97 -	176	839	186458	187123
UN16299	Rsa1.0.01115.1	1107	183545	0	450	462	97 +	647	1107	6514	6974
UN16300	Rsa1.0.00354.1	1364	232005	8.00E-89	241	265	90 +	975	1232	168195	168453

UN16301	Rsa1.0_04794.1	827	15960	0	450	459	98 -	13	464	2694	3151
UN16302	Rsa1.0_00132.1	1396	124299	0	342	345	99 +	194	538	91186	91530
UN16303	Rsa1.0_00132.1	853	124299	0	821	851	96 +	3	853	25441	26275
UN16304	Rsa1.0_03184.1	1161	24750	1.00E-139	251	251	100 -	1	251	21274	21524
UN16305	Rsa1.0_16978.1	1567	1964	1.00E-116	263	276	95 -	476	749	1215	1488
UN16306	Rsa1.0_00296.1	883	97854	1.00E-142	269	273	98 +	173	445	21946	22218
UN16307	Rsa1.0_00876.1	1207	61328	0	802	812	98 -	4	815	46191	47002
UN16308	Rsa1.0_00798.1	1352	63945	0	1227	1244	98 -	112	1352	19654	20896
UN16309	Rsa1.0_00017.1	1434	752458	0	678	682	99 -	753	1434	296906	297586
UN16310	Rsa1.0_01015.1	1281	56752	0	466	468	99 -	1	468	11172	11639
UN16311	Rsa1.0_00462.1	598	82288	1.00E-152	286	289	98 -	308	596	35985	36272
UN16312	Rsa1.0_00270.1	822	101236	2.00E-82	162	164	98 +	581	744	1852	2015
UN16313	Rsa1.0_01537.1	1843	187285	2.33E-156	307	319	96 +	18	336	9519	9829
UN16314	Rsa1.0_03278.1	986	24125	1.00E-122	270	283	95 -	706	986	1987	2269
UN16315	Rsa1.0_00416.1	907	86772	0	382	386	98 +	522	907	50850	51235
UN16316	Rsa1.0_00046.1	779	320315	0	748	776	96 -	3	777	22151	22926
UN16317	Rsa1.0_00296.1	1575	97854	0	1252	1262	99 +	1	1261	44613	45874
UN16318	Rsa1.0_26314.1	827	897	0	419	429	97 -	389	817	109	537
UN16319	Rsa1.0_00698.1	1189	67816	4.00E-84	295	336	87 +	837	1168	47244	47571
UN16320	Rsa1.0_04515.1	1282	17021	0	1275	1281	99 +	2	1282	1606	2886
UN16321	Rsa1.0_08484.1	720	7288	0	556	563	98 +	2	564	6567	7129
UN16322	Rsa1.0_01286.1	634	49209	0	559	580	96 -	48	626	3951	4524
UN16323	Rsa1.0_00058.1	699	159921	0	520	537	96 -	166	698	49021	49550
UN16324	Rsa1.0_01313.1	951	48387	1.00E-154	319	333	95 -	44	376	16151	16483
UN16325	Rsa1.0_14746.1	1448	3110	0	442	469	94 -	326	786	1379	1841
UN16326	Rsa1.0_02096.1	1002	35041	0	608	620	98 +	382	1000	14809	15426
UN16327	Rsa1.0_04905.1	962	15507	1.00E-148	364	400	91 +	480	859	5642	6040
UN16328	Rsa1.0_00050.1	968	237174	1.00E-127	279	292	95 -	684	968	133695	133986
UN16329	Rsa1.0_00188.1	728	112020	1.00E-142	290	299	96 +	394	691	47540	47836
UN16330	Rsa1.0_04600.1	964	16694	1.00E-137	285	296	96 +	621	915	12273	12568
UN16331	Rsa1.0_00524.1	811	169613	1.00E-140	336	364	92 +	56	419	161744	162096
UN16332	Rsa1.0_02967.1	777	26395	0	765	774	98 -	4	777	6619	7388
UN16333	Rsa1.0_14009.1	955	3924	0	450	450	100 -	506	955	2437	2886
UN16334	Rsa1.0_76149.1	1076	301	1.00E-166	300	301	99 -	710	1010	1	301
UN16335	Rsa1.0_00686.1	1375	68511	0	485	485	100 -	891	1375	27918	28402
UN16336	Rsa1.0_00007.1	1195	239325	0	368	371	99 -	3	373	108872	109242
UN16337	Rsa1.0_01104.1	1465	285480	0	446	447	99 +	1019	1465	10223	10669
UN16338	Rsa1.0_00273.1	1453	326186	0	606	629	96 +	776	1403	137570	138198
UN16339	Rsa1.0_01564.1	1295	43169	1.00E-168	315	320	98 -	976	1295	36204	36523

UN16340	Rsa1.0.00017.1	687	752458	1.00E-168	316	320	98 -	368	687	398420	398738
UN16341	Rsa1.0.00198.1	1096	222963	0	567	570	99 +	1	570	87389	87958
UN16342	Rsa1.0.00483.1	1283	81102	1.00E-171	379	399	94 -	891	1283	56194	56592
UN16343	Rsa1.0.00833.1	1139	62621	0	352	352	100 +	788	1139	46926	47277
UN16344	Rsa1.0.00078.1	1537	175053	1.00E-155	307	318	96 -	1220	1537	140374	140681
UN16345	Rsa1.0.00090.1	875	273859	0	694	718	96 -	158	874	171766	172481
UN16346	Rsa1.0.01408.1	1102	46383	0	732	749	97 -	3	750	17109	17853
UN16347	Rsa1.0.00338.1	1149	94109	1.00E-166	311	315	98 -	2	313	36386	36700
UN16348	Rsa1.0.00001.1	1766	363028	0	455	461	98 -	1308	1766	303151	303611
UN16349	Rsa1.0.00017.1	661	752458	0	494	511	96 +	153	661	534070	534576
UN16350	Rsa1.0.00605.1	1235	73199	0	396	399	99 +	837	1235	2322	2719
UN16351	Rsa1.0.00855.1	1384	62047	0	799	840	95 -	1	838	22692	23523
UN16352	Rsa1.0.03290.1	1004	24011	1.00E-138	268	274	97 -	1	274	4892	5165
UN16353	Rsa1.0.03668.1	1456	21483	0	507	519	97 -	941	1454	3785	4303
UN16354	Rsa1.0.01306.1	1226	48720	1.00E-154	298	303	98 +	1	303	26045	26343
UN16355	Rsa1.0.00571.1	743	329018	0	432	444	97 +	303	742	159412	159851
UN16356	Rsa1.0.01710.1	479	40586	0	379	390	97 +	1	388	19357	19746
UN16357	Rsa1.0.00042.1	1299	171507	1.00E-180	391	415	94 -	2	403	71838	72249
UN16358	Rsa1.0.01876.1	1173	37800	2.00E-64	153	162	94 -	521	682	10773	10934
UN16359	Rsa1.0.00608.1	1656	172672	0	1309	1323	98 -	1	1323	135636	136956
UN16360	Rsa1.0.00481.1	1185	81316	0	341	342	99 -	842	1183	33786	34127
UN16361	Rsa1.0.05044.1	1609	15041	0	760	762	99 +	1	762	8705	9466
UN16362	Rsa1.0.10681.1	865	5757	0	650	656	99 -	3	655	4487	5142
UN16363	Rsa1.0.04462.1	2768	17250	0	872	908	96 +	1617	2524	3091	3996
UN16364	Rsa1.0.01156.1	2230	52147	0	520	546	95 -	963	1502	25221	25757
UN16365	Rsa1.0.00096.1	2174	198773	0	655	657	99 -	466	1122	31167	31823
UN16366	Rsa1.0.00255.1	2031	204967	0	851	861	98 -	1154	2008	22419	23279
UN16367	Rsa1.0.02356.1	595	141500	0	579	589	98 -	3	590	136345	136932
UN16368	Rsa1.0.01578.1	897	42880	0	680	687	98 -	209	895	11499	12185
UN16369	Rsa1.0.04126.1	1112	18939	0	469	493	95 +	620	1112	17402	17890
UN16370	Rsa1.0.01865.1	1039	37992	1.00E-117	224	226	99 +	456	680	32692	32917
UN16371	Rsa1.0.00007.1	1340	239325	0	627	631	99 +	710	1340	58424	59054
UN16372	Rsa1.0.01540.1	880	151890	0	482	489	98 -	179	667	144792	145280
UN16373	Rsa1.0.01536.1	980	43747	0	612	633	96 -	346	978	18778	19406
UN16374	Rsa1.0.04890.1	924	15591	1.00E-123	237	241	98 +	473	713	10910	11150
UN16375	Rsa1.0.20365.1	1448	1313	0	468	474	98 +	69	541	1	474
UN16376	Rsa1.0.10201.1	880	5946	0	781	798	97 +	43	840	389	1184
UN16377	Rsa1.0.00484.1	1117	203294	0	794	832	95 +	284	1115	56116	56941
UN16378	Rsa1.0.00819.1	2104	62918	0	651	657	99 -	3	659	22482	23138

UN16379	Rsa1.0.08250.1	1183	7658	0	574	602	95 +	3	604	2538	3121
UN16380	Rsa1.0.00667.1	1059	69460	0	483	496	97 +	83	578	24055	24549
UN16381	Rsa1.0.02135.1	618	34713	1.00E-147	267	268	99 -	1	268	17461	17728
UN16382	Rsa1.0.02989.1	819	26187	0	441	449	98 -	124	568	3228	3675
UN16383	Rsa1.0.02173.1	1129	34318	6.00E-74	167	174	95 +	50	222	15564	15737
UN16384	Rsa1.0.04512.1	640	17031	1.00E-135	275	285	96 -	263	547	12659	12943
UN16385	Rsa1.0.00140.1	1200	121541	0	453	460	98 +	712	1171	11145	11603
UN16386	Rsa1.0.08928.1	615	6781	0	590	615	95 +	2	615	493	1099
UN16387	Rsa1.0.01846.1	1344	38367	0	415	421	98 +	5	423	34627	35047
UN16388	Rsa1.0.02700.1	727	28584	0	416	419	99 +	309	727	6214	6632
UN16389	Rsa1.0.09126.1	827	6625	0	440	447	98 -	380	826	5262	5707
UN16390	Rsa1.0.00001.1	1232	363028	0	666	700	95 -	547	1232	26222	26921
UN16391	Rsa1.0.08285.1	1059	7606	0	401	416	96 -	7	420	6676	7088
UN16392	Rsa1.0.00168.1	1427	115870	0	835	835	100 -	593	1427	38894	39728
UN16393	Rsa1.0.02506.1	1215	30700	1.00E-172	350	364	96 -	402	765	6452	6812
UN16394	Rsa1.0.00769.1	874	64911	1.00E-119	227	230	98 +	12	241	40086	40315
UN16395	Rsa1.0.04377.1	782	17658	0	760	781	97 -	3	782	5366	6145
UN16396	Rsa1.0.01513.1	411	44234	0	393	411	95 -	1	411	29195	29605
UN16397	Rsa1.0.02700.1	1178	28584	0	449	470	95 +	30	498	2886	3354
UN16398	Rsa1.0.00821.1	1400	62891	0	458	489	93 -	913	1398	48838	49319
UN16399	Rsa1.0.02017.1	1525	35999	1.00E-124	242	246	98 +	1276	1519	29901	30146
UN16400	Rsa1.0.04238.1	1093	18352	4.00E-93	247	262	94 -	24	273	2712	2973
UN16401	Rsa1.0.02593.1	729	29744	1.00E-116	266	280	95 +	1	278	2886	3164
UN16402	Rsa1.0.00343.1	842	93570	0	513	538	95 +	305	842	2493	3024
UN16403	Rsa1.0.00269.1	910	341668	1.00E-112	324	359	90 +	571	910	45768	46123
UN16404	Rsa1.0.00769.1	965	64911	0	950	961	98 +	1	958	11598	12558
UN16405	Rsa1.0.00380.1	737	89748	1.00E-159	367	393	93 +	347	736	88066	88441
UN16406	Rsa1.0.00719.1	1872	66952	1.00E-159	294	297	98 -	1207	1503	42432	42728
UN16407	Rsa1.0.01836.1	919	38503	1.00E-158	320	331	96 +	1	330	5086	5416
UN16408	Rsa1.0.03294.1	944	23971	0	446	471	94 -	478	944	5093	5558
UN16409	Rsa1.0.02811.1	697	27669	0	651	686	94 +	1	684	21138	21813
UN16410	Rsa1.0.06056.1	796	137271	8.00E-91	176	178	98 +	67	244	126368	126545
UN16411	Rsa1.0.02373.1	1381	32048	0	481	495	97 +	884	1376	30160	30654
UN16412	Rsa1.0.02395.1	772	31785	1.00E-162	358	381	93 +	407	771	8334	8714
UN16413	Rsa1.0.76149.1	1006	301	1.00E-169	301	301	100 +	67	367	1	301
UN16414	Rsa1.0.00375.1	997	90207	0	451	458	98 +	540	997	2405	2861
UN16415	Rsa1.0.00568.1	1464	75219	0	806	836	96 -	630	1464	1834	2658
UN16416	Rsa1.0.18413.1	1065	1603	1.00E-172	352	367	95 +	242	608	1151	1517
UN16417	Rsa1.0.01895.1	814	37512	1.00E-122	223	223	100 +	3	225	9117	9339

UN16418	Rsa1.0.00833.1	1216	62621	1.00E-138	260	262	99 +	1	261	5160	5421
UN16419	Rsa1.0.00301.1	942	365315	0	482	482	100 +	460	941	215181	215662
UN16420	Rsa1.0.07914.1	1203	8294	0	747	755	98 +	449	1203	1896	2650
UN16421	Rsa1.0.05494.1	912	13547	0	378	389	97 +	9	395	7715	8102
UN16422	Rsa1.0.00035.1	1053	176449	1.00E-133	276	285	96 -	53	336	156806	157089
UN16423	Rsa1.0.00657.1	1527	69858	0	433	436	99 -	1092	1527	3121	3556
UN16424	Rsa1.0.00630.1	755	71281	0	423	439	96 +	2	433	63707	64143
UN16425	Rsa1.0.00928.1	1059	59293	2.00E-92	214	228	93 -	1	228	32261	32482
UN16426	Rsa1.0.00006.1	726	396176	1.00E-101	261	282	92 +	1	275	9173	9447
UN16427	Rsa1.0.00170.1	857	179538	0	397	408	97 -	451	857	24343	24750
UN16428	Rsa1.0.04264.1	974	18207	0	430	449	95 -	168	615	5591	6039
UN16429	Rsa1.0.05494.1	888	13547	0	425	450	94 -	439	881	7654	8102
UN16430	Rsa1.0.05499.1	1154	13520	1.00E-104	234	246	95 +	890	1132	12343	12587
UN16431	Rsa1.0.00931.1	1010	59210	1.00E-130	266	276	96 -	141	416	7084	7359
UN16432	Rsa1.0.00041.1	1333	186197	0	411	427	96 +	45	470	56687	57106
UN16433	Rsa1.0.03887.1	1199	20247	0	391	404	96 +	795	1195	4347	4750
UN16434	Rsa1.0.00549.1	1113	76473	0	340	340	100 -	772	1111	12988	13327
UN16435	Rsa1.0.00265.1	749	220635	1.00E-141	288	298	96 +	422	718	197596	197893
UN16436	Rsa1.0.08170.1	564	7799	0	541	566	95 +	1	564	1626	2189
UN16437	Rsa1.0.02041.1	1024	163634	1.00E-152	273	273	100 +	1	273	18760	19032
UN16438	Rsa1.0.08529.1	1018	7233	7.00E-98	198	202	98 -	5	206	6697	6897
UN16439	Rsa1.0.04085.1	959	19168	1.00E-160	364	388	93 -	569	956	1528	1901
UN16440	Rsa1.0.01484.1	898	44806	0	534	544	98 -	33	576	40748	41289
UN16441	Rsa1.0.08558.1	760	7198	0	403	422	95 -	329	736	473	894
UN16442	Rsa1.0.00168.1	1459	115870	0	611	616	99 +	549	1164	88359	88974
UN16443	Rsa1.0.00280.1	813	99966	1.00E-178	333	336	99 -	481	813	12148	12483
UN16444	Rsa1.0.04198.1	1099	18504	0	407	418	97 +	682	1099	15733	16149
UN16445	Rsa1.0.00817.1	598	62961	0	570	594	95 +	5	598	23201	23792
UN16446	Rsa1.0.05095.1	906	14869	1.00E-102	253	277	91 +	644	906	773	1049
UN16447	Rsa1.0.00370.1	662	90472	0	464	484	95 -	35	517	21311	21794
UN16448	Rsa1.0.06488.1	1117	141774	0	619	628	98 -	365	992	4048	4675
UN16449	Rsa1.0.01049.1	1008	55655	1.00E-128	257	264	97 -	744	1007	41045	41306
UN16450	Rsa1.0.00139.1	364	357786	1.00E-171	353	367	96 +	2	364	149438	149804
UN16451	Rsa1.0.00251.1	770	303968	1.00E-156	331	347	95 -	5	349	147121	147463
UN16452	Rsa1.0.00045.1	1435	328694	0	362	363	99 +	8	370	160661	161022
UN16453	Rsa1.0.00100.1	1176	249232	1.00E-157	282	282	100 -	202	483	117508	117789
UN16454	Rsa1.0.04128.1	1195	18927	0	523	563	92 -	13	570	12414	12973
UN16455	Rsa1.0.03185.1	848	24739	3.00E-90	178	181	98 -	216	396	5034	5214
UN16456	Rsa1.0.00887.1	1262	61048	8.00E-95	192	197	97 -	801	997	49405	49601

UN16457	Rsa1.0.00008.1	760	358124	0	371	372	99 +	387	758	73510	73881
UN16458	Rsa1.0.01704.1	1745	40711	0	357	363	98 +	904	1266	5532	5894
UN16459	Rsa1.0.08529.1	1002	7233	2.00E-95	197	203	97 -	798	1000	4941	5139
UN16460	Rsa1.0.00094.1	1380	139042	1.00E-112	221	226	97 -	869	1094	134442	134667
UN16461	Rsa1.0.02217.1	1379	33812	0	1256	1261	99 +	1	1260	30263	31523
UN16462	Rsa1.0.02268.1	1167	33172	0	435	436	99 -	1	436	8776	9211
UN16463	Rsa1.0.01801.1	1427	39094	0	545	566	96 -	579	1138	20432	20997
UN16464	Rsa1.0.01887.1	1001	37564	0	439	457	96 +	510	966	26538	26992
UN16465	Rsa1.0.00566.1	445	75325	1.00E-175	320	323	99 -	2	324	61768	62090
UN16466	Rsa1.0.00234.1	1221	197060	1.00E-175	343	352	97 +	2	350	151100	151449
UN16467	Rsa1.0.08388.1	975	7436	0	548	575	95 +	1	566	2994	3563
UN16468	Rsa1.0.09608.1	992	6256	1.00E-142	304	317	95 +	677	992	172	487
UN16469	Rsa1.0.02486.1	1642	30965	0	757	806	93 -	1	795	11659	12462
UN16470	Rsa1.0.00557.1	2202	75865	1.00E-173	309	309	100 -	3	311	19484	19792
UN16471	Rsa1.0.01762.1	1196	39682	0	403	417	96 -	685	1101	6859	7267
UN16472	Rsa1.0.00280.1	1368	99966	1.00E-144	352	385	91 +	1	366	12102	12483
UN16473	Rsa1.0.01187.1	1181	51377	1.00E-169	307	309	99 +	2	310	30063	30371
UN16474	Rsa1.0.00925.1	1696	59481	0	492	514	95 +	3	516	5571	6084
UN16475	Rsa1.0.01958.1	950	261128	1.00E-153	275	275	100 +	320	594	132443	132717
UN16476	Rsa1.0.05049.1	740	15025	0	490	493	99 -	1	493	4126	4618
UN16477	Rsa1.0.00329.1	1479	222544	1.00E-130	236	236	100 -	3	238	2056	2291
UN16478	Rsa1.0.02347.1	1852	32332	0	1349	1366	98 -	1	1363	29131	30496
UN16479	Rsa1.0.00031.1	920	179862	0	495	505	98 -	72	576	82447	82951
UN16480	Rsa1.0.00343.1	763	93570	0	473	493	95 -	17	507	2493	2979
UN16481	Rsa1.0.00121.1	1104	278029	0	565	596	94 +	3	597	55537	56114
UN16482	Rsa1.0.00642.1	1119	201230	0	385	388	99 +	2	386	160121	160508
UN16483	Rsa1.0.00313.1	725	96745	3.00E-93	287	318	90 +	409	718	79688	80003
UN16484	Rsa1.0.00437.1	1179	84879	0	484	494	97 -	11	502	50510	51002
UN16485	Rsa1.0.01115.1	892	183545	0	504	519	97 +	375	892	174692	175209
UN16486	Rsa1.0.00277.1	1444	100132	0	861	881	97 +	3	881	61968	62846
UN16487	Rsa1.0.02223.1	1066	152421	0	432	452	95 +	618	1066	17952	18403
UN16488	Rsa1.0.02756.1	818	28202	1.00E-179	322	323	99 -	3	325	23023	23345
UN16489	Rsa1.0.00758.1	748	65477	0	374	379	98 -	189	567	3991	4368
UN16490	Rsa1.0.00577.1	840	174827	5.00E-86	181	186	97 +	15	200	116900	117084
UN16491	Rsa1.0.01195.1	414	147988	0	404	415	97 -	2	413	8344	8758
UN16492	Rsa1.0.00112.1	607	132199	0	582	610	95 -	1	607	105199	105804
UN16493	Rsa1.0.00813.1	1378	63202	1.00E-147	290	298	97 -	1043	1340	10869	11162
UN16494	Rsa1.0.00232.1	1134	104936	1.00E-118	241	249	96 -	546	794	47669	47917
UN16495	Rsa1.0.04107.1	1280	19007	0	761	764	99 +	1	764	6776	7539

UN16496	Rsa1.0.00773.1	943	64839	1.00E-179	382	400	95 -	31	429	32802	33197
UN16497	Rsa1.0.00645.1	462	189716	2.00E-99	187	188	99 -	42	229	35226	35413
UN16498	Rsa1.0.01879.1	489	37748	1.00E-170	362	380	95 -	3	382	23051	23425
UN16499	Rsa1.0.02212.1	960	33840	1.00E-90	186	190	97 +	770	958	29047	29236
UN16500	Rsa1.0.00998.1	1898	57168	1.00E-159	294	297	98 +	418	714	9918	10214
UN16501	Rsa1.0.00484.1	971	203294	0	445	451	98 +	3	452	19013	19462
UN16502	Rsa1.0.08947.1	458	6761	0	390	394	98 -	62	455	5535	5928
UN16503	Rsa1.0.14214.1	1194	3656	0	1146	1165	98 -	3	1167	2003	3159
UN16504	Rsa1.0.02304.1	693	32793	6.00E-82	183	191	95 -	504	693	17395	17580
UN16505	Rsa1.0.01410.1	741	46345	1.00E-164	326	336	97 +	110	443	33684	34019
UN16506	Rsa1.0.00483.1	756	81102	0	372	378	98 -	1	378	13909	14286
UN16507	Rsa1.0.00630.1	701	71281	1.00E-108	235	247	95 +	203	449	16575	16821
UN16508	Rsa1.0.00087.1	677	761073	1.00E-86	187	195	95 -	407	601	13132	13326
UN16509	Rsa1.0.01413.1	1292	46275	1.00E-136	256	259	98 -	1034	1292	42171	42429
UN16510	Rsa1.0.01696.1	767	301850	0	551	574	95 -	193	766	159083	159651
UN16511	Rsa1.0.00420.1	715	86496	1.00E-128	250	256	97 -	195	450	43112	43367
UN16512	Rsa1.0.00583.1	767	74309	1.00E-132	255	259	98 -	510	767	68504	68762
UN16513	Rsa1.0.00170.1	767	179538	1.00E-117	236	243	97 -	511	753	142304	142546
UN16514	Rsa1.0.01460.1	747	45255	1.00E-154	321	331	96 +	417	743	3258	3587
UN16515	Rsa1.0.03299.1	1334	23949	0	466	488	95 +	854	1332	14331	14814
UN16516	Rsa1.0.00384.1	1412	89278	1.00E-133	292	304	96 +	1111	1411	35218	35518
UN16517	Rsa1.0.00807.1	975	63607	1.00E-110	203	203	100 +	119	321	46342	46544
UN16518	Rsa1.0.07998.1	921	8105	1.00E-154	303	312	97 +	213	524	4011	4322
UN16519	Rsa1.0.01701.1	525	162121	4.00E-27	90	99	90 +	3	101	9028	9126
UN16520	Rsa1.0.00417.1	1056	395068	0	484	521	92 -	22	542	259263	259778
UN16521	Rsa1.0.01180.1	983	51517	0	357	366	97 -	9	371	17037	17401
UN16522	Rsa1.0.00235.1	839	154696	0	401	418	95 -	12	425	101650	102064
UN16523	Rsa1.0.18141.1	1912	1658	0	458	462	99 -	1451	1912	923	1384
UN16524	Rsa1.0.01280.1	856	49321	0	824	855	96 -	5	856	36779	37629
UN16525	Rsa1.0.47144.1	860	479	1.00E-147	292	301	97 +	313	613	179	479
UN16526	Rsa1.0.00192.1	659	278200	0	404	405	99 +	254	658	22625	23029
UN16527	Rsa1.0.00605.1	1160	73199	0	574	580	98 +	581	1160	28192	28765
UN16528	Rsa1.0.01947.1	634	36977	0	607	623	97 -	6	628	24868	25488
UN16529	Rsa1.0.00533.1	716	77375	3.00E-81	175	182	96 +	139	320	52641	52822
UN16530	Rsa1.0.05239.1	768	14410	0	408	434	94 +	4	422	11690	12121
UN16531	Rsa1.0.02503.1	742	30709	1.00E-98	242	258	93 +	3	259	27268	27522
UN16532	Rsa1.0.04379.1	1055	17646	1.00E-132	324	347	93 +	4	348	16759	17097
UN16533	Rsa1.0.13800.1	1379	4315	1.00E-93	190	195	97 +	174	368	1605	1799
UN16534	Rsa1.0.00601.1	756	177045	0	721	754	95 -	3	756	134705	135454

UN16535	Rsa1.0.00114.1	839	131330	1.00E-144	298	307	97 -	533	837	29607	29912
UN16536	Rsa1.0.00549.1	744	76473	1.00E-137	306	325	94 +	3	327	13012	13327
UN16537	Rsa1.0.00069.1	1326	403561	0	558	570	97 -	757	1326	353470	354037
UN16538	Rsa1.0.04378.1	777	17651	0	348	354	98 +	290	643	4630	4983
UN16539	Rsa1.0.01060.1	1488	55368	1.00E-116	225	229	98 +	388	616	38736	38964
UN16540	Rsa1.0.00483.1	1700	81102	0	558	564	98 +	432	995	13909	14472
UN16541	Rsa1.0.01959.1	1473	36798	0	517	530	97 +	942	1471	23374	23902
UN16542	Rsa1.0.00262.1	634	101906	0	410	424	96 +	214	633	53264	53684
UN16543	Rsa1.0.01185.1	731	149842	1.00E-122	244	249	97 +	3	248	131815	132062
UN16544	Rsa1.0.01376.1	1086	47004	1.00E-104	285	315	90 -	778	1080	37648	37957
UN16545	Rsa1.0.00137.1	1089	122457	1.00E-130	269	277	97 -	813	1089	81352	81626
UN16546	Rsa1.0.13492.1	1044	4775	0	400	405	98 -	638	1042	2425	2829
UN16547	Rsa1.0.00190.1	773	318240	1.00E-111	214	217	98 -	1	217	165006	165222
UN16548	Rsa1.0.00417.1	879	395068	1.00E-141	292	304	96 -	165	468	14475	14775
UN16549	Rsa1.0.00353.1	901	92242	0	545	556	98 -	346	901	59354	59906
UN16550	Rsa1.0.08557.1	460	7199	1.00E-127	252	258	97 +	200	457	6714	6970
UN16551	Rsa1.0.30260.1	1477	759	1.00E-126	251	257	97 -	1221	1477	500	755
UN16552	Rsa1.0.00328.1	1820	224661	0	698	791	88 +	662	1426	218269	219024
UN16553	Rsa1.0.16623.1	496	2086	0	453	458	98 -	40	496	217	671
UN16554	Rsa1.0.01168.1	642	153765	0	636	638	99 -	5	642	43989	44626
UN16555	Rsa1.0.03303.1	791	23890	2.33E-156	318	333	95 +	457	787	4111	4440
UN16556	Rsa1.0.04396.1	1225	17561	0	1133	1154	98 +	3	1153	16408	17561
UN16557	Rsa1.0.02588.1	643	29840	1.00E-104	220	228	96 -	10	236	16005	16232
UN16558	Rsa1.0.00265.1	716	220635	5.00E-92	288	324	88 +	399	716	195833	196155
UN16559	Rsa1.0.00422.1	827	86144	0	432	454	95 +	3	456	12844	13294
UN16560	Rsa1.0.08677.1	642	7048	0	371	380	97 -	27	399	4149	4528
UN16561	Rsa1.0.02438.1	994	31392	0	501	515	97 -	488	994	20171	20681
UN16562	Rsa1.0.00015.1	835	561803	1.00E-132	245	247	99 -	525	771	190632	190878
UN16563	Rsa1.0.00122.1	1423	265937	0	1203	1225	98 +	197	1421	30383	31607
UN16564	Rsa1.0.01143.1	516	52456	1.00E-149	330	347	95 -	1	347	15912	16255
UN16565	Rsa1.0.01376.1	618	47004	1.00E-137	247	247	100 -	372	618	37711	37957
UN16566	Rsa1.0.02865.1	1106	27133	0	411	430	95 -	682	1105	18829	19258
UN16567	Rsa1.0.08811.1	568	6904	1.00E-125	233	235	99 +	326	560	5210	5444
UN16568	Rsa1.0.00171.1	487	115622	3.00E-95	211	221	95 +	250	469	50726	50941
UN16569	Rsa1.0.02269.1	719	33168	0	413	423	97 -	1	423	12865	13287
UN16570	Rsa1.0.00021.1	1461	263655	0	1251	1309	95 -	28	1326	123592	124899
UN16571	Rsa1.0.01536.1	770	43747	1.00E-144	312	327	95 +	421	745	28390	28715
UN16572	Rsa1.0.35376.1	907	640	1.00E-166	318	324	98 -	372	694	164	487
UN16573	Rsa1.0.01335.1	665	47894	0	480	503	95 -	4	496	3912	4412

UN16574	Rsa1.0.00816.1	1111	403350	1.00E-161	316	325	97 -	787	1111	382478	382802
UN16575	Rsa1.0.00014.1	654	348985	2.00E-87	176	180	97 +	472	651	220714	220893
UN16576	Rsa1.0.02430.1	294	31506	5.00E-99	204	211	96 -	64	274	12090	12300
UN16577	Rsa1.0.13916.1	1318	4098	0	544	565	96 -	6	570	531	1093
UN16578	Rsa1.0.08079.1	1191	7942	0	1156	1187	97 -	1	1187	4974	6155
UN16579	Rsa1.0.09269.1	787	6514	1.00E-130	239	240	99 -	450	689	35	274
UN16580	Rsa1.0.01005.1	694	56967	0	612	633	96 -	3	635	37403	38025
UN16581	Rsa1.0.08841.1	729	6870	1.00E-161	347	362	95 +	1	358	2675	3034
UN16582	Rsa1.0.00016.1	772	831256	1.00E-71	144	146	98 -	540	685	204992	205137
UN16583	Rsa1.0.00690.1	215	140527	9.00E-63	187	204	91 +	16	215	31841	32042
UN16584	Rsa1.0.00890.1	651	323870	1.00E-167	325	334	97 +	317	650	162561	162894
UN16585	Rsa1.0.17794.1	1062	1740	0	386	386	100 +	677	1062	1	386
UN16586	Rsa1.0.00120.1	780	277288	2.00E-66	138	141	97 -	282	422	119078	119218
UN16587	Rsa1.0.00482.1	759	81162	1.00E-132	274	285	96 -	5	286	61822	62106
UN16588	Rsa1.0.36744.1	786	614	0	411	416	98 +	179	594	94	509
UN16589	Rsa1.0.00939.1	974	185227	0	923	972	94 -	1	972	152983	153950
UN16590	Rsa1.0.00437.1	894	84879	1.00E-116	258	273	94 -	198	470	23635	23907
UN16591	Rsa1.0.00017.1	886	752458	1.00E-142	282	289	97 -	1	288	154565	154853
UN16592	Rsa1.0.00054.1	750	162053	3.00E-84	162	163	99 -	3	165	7231	7393
UN16593	Rsa1.0.01654.1	891	41532	0	406	407	99 -	485	890	24818	25224
UN16594	Rsa1.0.03698.1	127	21302	1.00E-26	64	65	98 +	63	127	7933	7997
UN16595	Rsa1.0.00682.1	845	68680	0	503	519	96 -	2	519	37871	38387
UN16596	Rsa1.0.00568.1	1116	75219	0	1078	1122	96 -	2	1116	1853	2971
UN16597	Rsa1.0.00913.1	787	59914	7.00E-85	160	160	100 -	231	390	29028	29187
UN16598	Rsa1.0.00913.1	1093	59914	1.00E-143	293	304	96 -	661	964	33903	34203
UN16599	Rsa1.0.00804.1	533	63726	0	408	423	96 -	111	533	21676	22092
UN16600	Rsa1.0.00476.1	1237	280966	0	519	523	99 +	290	812	160084	160606
UN16601	Rsa1.0.00699.1	666	184398	1.00E-128	266	277	96 -	6	278	56459	56735
UN16602	Rsa1.0.23405.1	1103	1052	1.00E-178	340	348	97 +	288	635	682	1029
UN16603	Rsa1.0.00657.1	1384	69858	0	406	417	97 -	16	431	36865	37281
UN16604	Rsa1.0.03569.1	666	22041	1.00E-76	192	207	92 +	3	200	9050	9256
UN16605	Rsa1.0.00816.1	1245	403350	1.00E-109	300	335	89 -	925	1244	109855	110183
UN16606	Rsa1.0.00979.1	852	57733	1.00E-170	335	344	97 +	1	341	30371	30712
UN16607	Rsa1.0.08170.1	783	7799	0	735	755	97 +	28	782	1728	2482
UN16608	Rsa1.0.00153.1	877	192931	0	374	387	96 +	488	874	125252	125636
UN16609	Rsa1.0.00382.1	703	251946	1.00E-175	314	315	99 -	389	703	45398	45712
UN16610	Rsa1.0.00467.1	1012	156542	0	477	512	93 -	6	514	77638	78146
UN16611	Rsa1.0.01344.1	783	142535	1.00E-151	327	343	95 +	1	342	129977	130312
UN16612	Rsa1.0.09695.1	732	6206	3.00E-65	162	171	94 +	564	732	577	747

UN16613	Rsa1.0.00211.1	375	228189	1.00E-140	349	376	92 -	1	375	129494	129865
UN16614	Rsa1.0.08565.1	1443	7189	7.00E-74	178	186	95 -	1259	1442	365	549
UN16615	Rsa1.0.01732.1	1207	40194	0	723	742	97 -	105	846	24772	25513
UN16616	Rsa1.0.04125.1	727	18944	1.00E-178	319	320	99 +	3	322	9445	9764
UN16617	Rsa1.0.07425.1	735	9414	2.00E-82	204	214	95 +	494	702	4352	4563
UN16618	Rsa1.0.00409.1	676	146788	0	468	495	94 +	183	676	80743	81219
UN16619	Rsa1.0.00639.1	719	165873	0	468	494	94 +	229	716	124129	124622
UN16620	Rsa1.0.00244.1	623	103590	8.00E-41	148	168	88 -	87	254	73674	73838
UN16621	Rsa1.0.12391.1	1237	5238	1.00E-126	257	266	96 -	401	666	4081	4346
UN16622	Rsa1.0.03019.1	1208	25987	1.00E-111	271	291	93 -	917	1205	19495	19784
UN16623	Rsa1.0.25475.1	690	934	3.00E-68	135	136	99 -	265	400	28	163
UN16624	Rsa1.0.10890.1	697	5688	0	672	699	96 +	2	697	19	714
UN16625	Rsa1.0.00019.1	906	301669	0	500	523	95 +	7	524	218712	219233
UN16626	Rsa1.0.00269.1	824	341668	1.00E-106	256	271	94 -	1	268	45768	46036
UN16627	Rsa1.0.03369.1	851	23381	0	424	443	95 -	412	851	10354	10790
UN16628	Rsa1.0.00928.1	1424	59293	0	482	500	96 +	849	1348	24314	24813
UN16629	Rsa1.0.01364.1	1458	47172	0	1143	1161	98 -	301	1458	33909	35065
UN16630	Rsa1.0.42543.1	1256	527	1.00E-170	313	316	99 +	941	1256	3	318
UN16631	Rsa1.0.02593.1	971	29744	1.00E-106	226	235	96 +	5	237	28815	29049
UN16632	Rsa1.0.45675.1	812	494	1.00E-98	192	195	98 -	454	648	300	494
UN16633	Rsa1.0.00223.1	880	106231	0	852	880	96 +	2	880	3164	4040
UN16634	Rsa1.0.07829.1	686	8462	1.00E-122	231	234	98 +	232	465	3137	3370
UN16635	Rsa1.0.15591.1	978	2530	0	580	614	94 +	380	977	1224	1833
UN16636	Rsa1.0.00240.1	740	104175	1.00E-106	213	219	97 -	221	439	54590	54808
UN16637	Rsa1.0.05606.1	956	13202	0	480	485	98 -	3	487	11672	12156
UN16638	Rsa1.0.00659.1	661	69733	1.00E-113	271	295	91 +	359	653	55176	55451
UN16639	Rsa1.0.00354.1	1034	232005	1.00E-117	215	215	100 +	818	1032	9448	9662
UN16640	Rsa1.0.04095.1	1177	19095	1.00E-168	321	328	97 -	3	330	12377	12704
UN16641	Rsa1.0.03900.1	900	133221	1.00E-62	208	224	92 -	1	211	3894	4117
UN16642	Rsa1.0.00979.1	1444	57733	1.00E-155	298	302	98 -	1140	1439	40171	40472
UN16643	Rsa1.0.00891.1	696	60724	1.00E-165	345	359	96 +	1	356	32993	33348
UN16644	Rsa1.0.00065.1	1260	454616	1.00E-141	270	275	98 -	576	850	39827	40101
UN16645	Rsa1.0.02500.1	686	30768	1.00E-152	303	313	96 -	1	313	24051	24363
UN16646	Rsa1.0.02670.1	689	28887	7.00E-91	193	200	96 +	423	622	1836	2032
UN16647	Rsa1.0.01316.1	799	48325	1.00E-117	221	222	99 -	3	224	6845	7065
UN16648	Rsa1.0.00002.1	638	601661	1.00E-149	320	337	94 -	3	339	558227	558560
UN16649	Rsa1.0.01245.1	457	149868	0	430	450	95 +	2	451	21666	22114
UN16650	Rsa1.0.01183.1	772	51465	0	752	774	97 -	3	772	41526	42291
UN16651	Rsa1.0.00992.1	541	57419	1.00E-79	151	151	100 -	364	514	4746	4896

UN16652	Rsa1.0.00014.1	875	348985	0	804	833	96 -	45	875	267872	268701
UN16653	Rsa1.0.03005.1	871	26082	0	535	536	99 -	336	871	23153	23688
UN16654	Rsa1.0.02254.1	553	33344	1.00E-159	331	347	95 -	2	347	2377	2713
UN16655	Rsa1.0.04542.1	1014	16930	1.00E-161	295	297	99 +	187	483	14602	14898
UN16656	Rsa1.0.18326.1	760	1620	0	677	700	96 -	61	760	927	1620
UN16657	Rsa1.0.03912.1	1419	135266	0	373	379	98 +	22	400	847	1225
UN16658	Rsa1.0.02429.1	456	31527	3.00E-49	185	211	87 +	11	203	29110	29320
UN16659	Rsa1.0.05076.1	829	14916	0	592	617	95 +	228	829	2709	3325
UN16660	Rsa1.0.03990.1	1116	19676	0	446	456	97 -	1	456	4678	5131
UN16661	Rsa1.0.00876.1	1236	61328	1.00E-176	314	314	100 +	923	1236	51226	51539
UN16662	Rsa1.0.00027.1	742	283362	1.00E-129	278	290	95 -	441	727	279874	280163
UN16663	Rsa1.0.06213.1	760	11478	1.00E-177	380	398	95 -	368	759	1140	1535
UN16664	Rsa1.0.00816.1	783	403350	2.00E-63	139	144	96 +	357	500	110538	110681
UN16665	Rsa1.0.00124.1	530	262503	1.00E-153	305	315	96 +	3	317	162596	162910
UN16666	Rsa1.0.09928.1	946	6087	0	740	745	99 +	199	943	527	1271
UN16667	Rsa1.0.03633.1	548	21644	4.00E-95	198	205	96 +	293	497	17773	17977
UN16668	Rsa1.0.02981.1	676	26285	2.00E-85	170	173	98 -	502	674	4358	4530
UN16669	Rsa1.0.02807.1	1249	27680	0	515	516	99 +	2	517	4945	5460
UN16670	Rsa1.0.01581.1	1408	42833	0	499	519	96 +	1	519	8549	9067
UN16671	Rsa1.0.00635.1	867	175826	2.33E-156	359	387	92 +	4	386	14025	14407
UN16672	Rsa1.0.03982.1	379	19723	1.00E-35	86	89	96 -	217	305	3165	3253
UN16673	Rsa1.0.00152.1	658	257730	1.00E-138	287	297	96 -	1	295	214460	214756
UN16674	Rsa1.0.00190.1	1099	318240	0	536	568	94 +	3	568	140985	141530
UN16675	Rsa1.0.04779.1	841	16008	1.00E-103	200	203	98 -	639	841	9561	9763
UN16676	Rsa1.0.00947.1	1021	58664	0	410	418	98 -	175	592	58154	58571
UN16677	Rsa1.0.01937.1	726	37147	1.00E-141	308	325	94 +	3	320	19950	20274
UN16678	Rsa1.0.00262.1	863	101906	0	455	473	96 +	395	863	53296	53766
UN16679	Rsa1.0.04128.1	757	18927	0	541	585	92 -	1	580	12414	12995
UN16680	Rsa1.0.00382.1	748	251946	1.00E-120	273	293	93 +	4	296	245731	246012
UN16681	Rsa1.0.00035.1	654	176449	0	632	648	97 -	4	651	49852	50498
UN16682	Rsa1.0.00139.1	183	357786	7.00E-54	158	172	91 -	16	182	149611	149781
UN16683	Rsa1.0.00483.1	708	81102	1.00E-140	268	273	98 +	436	708	13909	14181
UN16684	Rsa1.0.00402.1	509	385315	1.00E-158	322	335	96 -	1	335	236413	236747
UN16685	Rsa1.0.00294.1	313	144860	1.00E-129	264	274	96 -	1	274	28240	28513
UN16686	Rsa1.0.00119.1	1914	467509	1.00E-152	337	354	95 +	1560	1910	59938	60291
UN16687	Rsa1.0.08970.1	513	6743	2.33E-156	307	321	95 -	1	318	415	731
UN16688	Rsa1.0.00351.1	672	413096	0	386	395	97 -	6	400	3047	3441
UN16689	Rsa1.0.03148.1	809	24989	0	354	361	98 +	1	361	12153	12513
UN16690	Rsa1.0.04852.1	791	15712	0	758	791	95 -	1	791	9102	9883

UN16691	Rsa1.0.00719.1	876	66952	1.00E-165	303	306	99 +	399	704	46708	47013
UN16692	Rsa1.0.00708.1	749	67366	0	736	748	98 +	1	747	53292	54036
UN16693	Rsa1.0.00827.1	691	62790	1.00E-119	286	305	93 -	3	303	51187	51481
UN16694	Rsa1.0.02178.1	809	156197	0	479	503	95 -	38	540	1510	2012
UN16695	Rsa1.0.00777.1	1113	191865	0	715	752	95 -	5	753	128527	129275
UN16696	Rsa1.0.03100.1	969	25411	0	367	381	96 +	584	964	1871	2250
UN16697	Rsa1.0.00056.1	383	332604	2.00E-80	170	176	96 +	163	338	312898	313073
UN16698	Rsa1.0.00044.1	983	271658	7.00E-98	221	231	95 +	757	983	156762	156990
UN16699	Rsa1.0.02286.1	639	32993	1.00E-157	304	309	98 -	333	639	24695	25003
UN16700	Rsa1.0.00131.1	1271	432233	0	394	396	99 -	519	914	194264	194659
UN16701	Rsa1.0.00197.1	774	109714	1.00E-180	327	328	99 +	3	329	2464	2791
UN16702	Rsa1.0.02103.1	446	35006	0	438	444	98 +	3	446	13486	13929
UN16703	Rsa1.0.00381.1	1228	89718	1.00E-106	274	298	91 -	934	1227	71983	72270
UN16704	Rsa1.0.00116.1	1501	365886	0	599	609	98 -	1	609	83226	83833
UN16705	Rsa1.0.07577.1	944	9092	1.00E-153	278	279	99 -	626	904	3907	4185
UN16706	Rsa1.0.00569.1	728	75060	1.00E-175	373	394	94 +	3	396	64241	64628
UN16707	Rsa1.0.00526.1	795	169279	1.00E-106	208	212	98 -	78	289	141137	141348
UN16708	Rsa1.0.01558.1	896	43287	0	536	537	99 -	360	896	39101	39637
UN16709	Rsa1.0.00101.1	940	267193	1.00E-132	239	239	100 -	700	938	131462	131700
UN16710	Rsa1.0.32735.1	815	695	1.00E-170	303	303	100 +	107	409	1	303
UN16711	Rsa1.0.01846.1	821	38367	0	361	362	99 +	459	820	35711	36072
UN16712	Rsa1.0.00280.1	1333	99966	0	702	707	99 +	626	1332	18404	19110
UN16713	Rsa1.0.05049.1	739	15025	0	497	509	97 +	232	739	4126	4634
UN16714	Rsa1.0.09117.1	625	6637	0	396	399	99 -	226	624	839	1236
UN16715	Rsa1.0.00190.1	732	318240	0	711	728	97 -	3	727	314971	315695
UN16716	Rsa1.0.00168.1	733	115870	0	389	402	96 +	298	696	39841	40242
UN16717	Rsa1.0.00108.1	1128	478491	1.00E-115	311	346	89 +	1	321	134112	134456
UN16718	Rsa1.0.07516.1	693	9218	0	645	664	97 +	7	668	6378	7040
UN16719	Rsa1.0.00926.1	919	195072	0	503	504	99 +	1	504	41569	42072
UN16720	Rsa1.0.00126.1	1528	127534	1.00E-180	326	328	99 +	1201	1528	38254	38581
UN16721	Rsa1.0.02431.1	748	31504	1.00E-166	393	423	92 -	343	745	17503	17922
UN16722	Rsa1.0.00345.1	847	93226	0	322	322	100 +	3	324	84266	84587
UN16723	Rsa1.0.03387.1	717	23278	1.00E-168	333	339	98 +	376	710	19355	19693
UN16724	Rsa1.0.00071.1	714	345714	1.00E-153	301	307	98 +	406	711	142456	142761
UN16725	Rsa1.0.00067.1	1174	415055	0	375	389	96 -	3	390	379553	379940
UN16726	Rsa1.0.13800.1	1054	4315	4.00E-96	179	179	100 +	209	387	2063	2241
UN16727	Rsa1.0.02105.1	885	156953	0	412	422	97 -	460	881	150746	151165
UN16728	Rsa1.0.06939.1	813	10137	1.00E-162	344	359	95 +	3	361	3491	3838
UN16729	Rsa1.0.00185.1	1186	248445	1.00E-121	271	283	95 -	4	278	10314	10593

UN16730	Rsa1.0_00249.1	687	153740	1.00E-134	255	259	98 +	1	259	52930	53188
UN16731	Rsa1.0_00358.1	292	91293	1.00E-134	242	242	100 +	1	242	20908	21149
UN16732	Rsa1.0_02692.1	885	28626	0	402	429	93 +	456	884	21962	22390
UN16733	Rsa1.0_00158.1	562	117999	2.00E-93	262	289	90 -	1	284	100334	100619
UN16734	Rsa1.0_00069.1	1359	403561	1.00E-160	354	374	94 -	1	363	205680	206052
UN16735	Rsa1.0_00015.1	621	561803	1.00E-141	401	454	88 -	123	569	483083	483516
UN16736	Rsa1.0_00333.1	807	94500	0	529	533	99 -	1	533	22949	23481
UN16737	Rsa1.0_00931.1	736	59210	0	362	365	99 +	345	708	54903	55267
UN16738	Rsa1.0_00187.1	686	393093	1.00E-179	363	378	96 -	141	518	47170	47547
UN16739	Rsa1.0_00110.1	749	132719	1.00E-151	304	315	96 -	7	321	92532	92846
UN16740	Rsa1.0_01595.1	464	175383	1.00E-119	220	221	99 +	3	223	41111	41331
UN16741	Rsa1.0_01934.1	639	37162	1.00E-159	323	332	97 +	1	329	1961	2291
UN16742	Rsa1.0_03873.1	420	20360	0	373	386	96 +	5	386	9573	9957
UN16743	Rsa1.0_00147.1	607	249503	0	603	605	99 -	3	607	241358	241962
UN16744	Rsa1.0_00244.1	558	103590	1.00E-117	286	304	94 +	8	309	29926	30224
UN16745	Rsa1.0_01352.1	1722	47443	0	1485	1518	97 -	4	1520	6219	7735
UN16746	Rsa1.0_00949.1	714	58549	1.00E-132	286	299	95 +	417	714	39561	39853
UN16747	Rsa1.0_04779.1	830	16008	7.00E-73	150	152	98 -	333	484	10245	10395
UN16748	Rsa1.0_00044.1	960	271658	1.00E-137	267	272	98 -	1	272	156101	156371
UN16749	Rsa1.0_09126.1	758	6625	0	412	431	95 -	327	756	5284	5707
UN16750	Rsa1.0_03377.1	677	23322	1.00E-110	206	207	99 +	467	673	16048	16254
UN16751	Rsa1.0_01896.1	749	37512	1.00E-175	353	361	97 -	389	742	35284	35644
UN16752	Rsa1.0_00154.1	587	189461	1.00E-133	269	278	96 +	1	274	79505	79782
UN16753	Rsa1.0_02217.1	888	33812	0	862	896	96 +	1	888	30263	31158
UN16754	Rsa1.0_13604.1	823	4657	3.00E-81	207	222	93 +	9	230	2040	2259
UN16755	Rsa1.0_01217.1	912	50554	0	884	913	96 -	1	912	47142	48040
UN16756	Rsa1.0_01803.1	680	173846	0	399	414	96 -	1	411	31867	32278
UN16757	Rsa1.0_01835.1	669	38542	0	391	405	96 -	256	659	24235	24638
UN16758	Rsa1.0_01958.1	1019	261128	3.00E-72	151	155	97 -	109	263	112507	112661
UN16759	Rsa1.0_03570.1	836	22040	1.00E-145	292	300	97 +	58	356	8517	8813
UN16760	Rsa1.0_00759.1	1040	65465	0	791	801	98 -	1	801	55681	56480
UN16761	Rsa1.0_00047.1	1101	168582	1.00E-127	247	252	98 -	1	252	115947	116198
UN16762	Rsa1.0_00044.1	951	271658	1.00E-108	220	227	96 +	723	949	156762	156988
UN16763	Rsa1.0_06468.1	923	10958	0	833	845	98 -	3	845	6517	7359
UN16764	Rsa1.0_00191.1	659	316976	0	494	499	98 -	5	501	140127	140625
UN16765	Rsa1.0_03440.1	732	22928	3.00E-68	141	144	97 +	470	613	12891	13034
UN16766	Rsa1.0_00101.1	660	267193	1.00E-129	300	321	93 -	7	315	47241	47560
UN16767	Rsa1.0_00167.1	618	116000	0	610	618	98 -	1	618	43630	44247
UN16768	Rsa1.0_01296.1	682	49035	1.00E-132	257	263	97 -	9	271	23171	23433

UN16769	Rsa1.0_14354.1	746	3487	0	738	746	98 +	2	746	1273	2017
UN16770	Rsa1.0_00718.1	792	279335	0	410	430	95 +	362	791	34463	34889
UN16771	Rsa1.0_01387.1	730	46745	1.00E-132	266	275	96 +	434	708	46152	46426
UN16772	Rsa1.0_03191.1	1004	145762	1.00E-150	330	348	94 +	626	973	16325	16663
UN16773	Rsa1.0_02458.1	806	31197	1.00E-160	322	332	96 +	474	804	9247	9575
UN16774	Rsa1.0_00039.1	1524	296927	1.00E-87	174	177	98 -	337	513	49432	49608
UN16775	Rsa1.0_04890.1	825	15591	1.00E-109	231	241	95 -	238	478	10910	11150
UN16776	Rsa1.0_00714.1	1333	67187	0	388	398	97 +	2	399	22328	22719
UN16777	Rsa1.0_00805.1	730	63724	1.00E-103	206	211	97 +	492	702	41298	41508
UN16778	Rsa1.0_00954.1	725	189536	2.00E-63	124	124	100 -	590	713	152040	152163
UN16779	Rsa1.0_37263.1	647	605	0	572	589	97 -	1	589	1	589
UN16780	Rsa1.0_17775.1	693	1743	0	571	623	91 +	6	611	1132	1743
UN16781	Rsa1.0_00019.1	1124	301669	0	497	521	95 +	1	514	218714	219233
UN16782	Rsa1.0_00182.1	980	142305	0	916	984	93 -	12	976	35043	36008
UN16783	Rsa1.0_00132.1	1044	124299	1.00E-147	325	342	95 +	3	339	108401	108742
UN16784	Rsa1.0_00611.1	940	72410	0	486	501	97 +	438	938	60559	61059
UN16785	Rsa1.0_00218.1	1007	201480	1.00E-141	332	353	94 +	665	1007	173202	173553
UN16786	Rsa1.0_00213.1	689	108167	1.00E-117	217	218	99 -	468	685	14737	14954
UN16787	Rsa1.0_00848.1	795	152362	5.00E-95	234	249	93 -	1	248	38270	38516
UN16788	Rsa1.0_00394.1	1185	148426	1.00E-172	395	423	93 -	3	415	99869	100286
UN16789	Rsa1.0_17040.1	550	1944	0	379	396	95 -	9	396	1207	1602
UN16790	Rsa1.0_00008.1	475	358124	1.00E-147	276	280	98 -	3	282	30632	30911
UN16791	Rsa1.0_01286.1	568	49209	0	504	520	96 +	2	520	4008	4521
UN16792	Rsa1.0_02917.1	789	159058	0	728	740	98 +	1	740	144062	144799
UN16793	Rsa1.0_01274.1	357	49419	1.00E-72	202	221	91 -	1	214	21348	21566
UN16794	Rsa1.0_00418.1	652	215377	6.00E-88	174	177	98 +	291	467	46155	46331
UN16795	Rsa1.0_00113.1	646	131574	1.00E-165	322	330	97 -	1	330	73859	74187
UN16796	Rsa1.0_03894.1	796	20207	0	728	749	97 +	2	749	2591	3337
UN16797	Rsa1.0_02214.1	866	161150	5.00E-83	178	185	96 +	296	480	695	879
UN16798	Rsa1.0_00883.1	689	61230	0	432	440	98 +	1	440	29870	30306
UN16799	Rsa1.0_00490.1	1546	186713	0	402	428	93 -	1	411	39915	40340
UN16800	Rsa1.0_00549.1	1299	76473	1.00E-129	250	255	98 -	149	403	9511	9765
UN16801	Rsa1.0_02144.1	748	34630	5.00E-89	185	191	96 +	148	338	1304	1494
UN16802	Rsa1.0_10199.1	506	5948	0	460	489	94 +	1	484	5385	5869
UN16803	Rsa1.0_00860.1	965	61789	0	547	556	98 +	408	963	6973	7528
UN16804	Rsa1.0_00041.1	729	186197	9.00E-75	149	151	98 -	420	570	57669	57819
UN16805	Rsa1.0_00327.1	739	94892	1.00E-140	275	280	98 -	460	739	70364	70641
UN16806	Rsa1.0_00401.1	640	244410	0	391	394	99 +	5	398	178052	178445
UN16807	Rsa1.0_06663.1	728	10576	0	642	671	95 +	1	671	6933	7602

UN16808	Rsa1.0.01874.1	777	37853	0	766	776	98 -	3	777	21339	22109
UN16809	Rsa1.0.02105.1	895	156953	1.00E-179	355	367	96 -	126	492	149700	150066
UN16810	Rsa1.0.00185.1	522	248445	1.00E-128	251	257	97 -	3	259	10314	10566
UN16811	Rsa1.0.00686.1	737	68511	3.00E-99	219	230	95 -	10	236	29900	30129
UN16812	Rsa1.0.00605.1	617	73199	0	611	617	99 -	1	617	30938	31554
UN16813	Rsa1.0.15262.1	1318	2722	0	473	481	98 -	9	489	1765	2245
UN16814	Rsa1.0.00071.1	668	345714	1.00E-111	235	243	96 -	423	662	324494	324736
UN16815	Rsa1.0.04584.1	764	16756	0	469	476	98 -	283	757	12391	12866
UN16816	Rsa1.0.00816.1	696	403350	4.00E-83	210	227	92 +	3	223	109964	110183
UN16817	Rsa1.0.02158.1	832	154841	0	526	538	97 +	142	679	131881	132414
UN16818	Rsa1.0.00416.1	956	86772	4.00E-93	242	266	90 -	705	956	76161	76426
UN16819	Rsa1.0.00175.1	738	166121	5.00E-98	207	214	96 -	126	339	141878	142090
UN16820	Rsa1.0.02911.1	754	142461	0	601	622	96 -	1	618	23423	24039
UN16821	Rsa1.0.07692.1	2069	132338	0	543	553	98 +	544	1095	131072	131624
UN16822	Rsa1.0.03326.1	737	23710	0	446	461	96 -	47	506	17095	17547
UN16823	Rsa1.0.00737.1	1214	66432	1.00E-161	332	345	96 +	874	1214	30743	31086
UN16824	Rsa1.0.01874.1	1201	37853	0	500	513	97 +	1	510	23722	24233
UN16825	Rsa1.0.00111.1	1233	390088	1.00E-142	323	342	94 -	2	342	139323	139660
UN16826	Rsa1.0.00087.1	710	761073	1.00E-110	251	263	95 -	448	710	191412	191671
UN16827	Rsa1.0.01611.1	1027	42269	1.00E-164	362	387	93 -	3	383	17493	17863
UN16828	Rsa1.0.00369.1	867	266462	0	414	437	94 -	431	867	4549	4974
UN16829	Rsa1.0.08230.1	1439	7688	0	878	878	100 +	562	1439	5127	6004
UN16830	Rsa1.0.00635.1	854	175826	1.00E-152	313	320	97 +	46	359	14088	14407
UN16831	Rsa1.0.02019.1	1062	35983	1.00E-99	254	273	93 -	798	1062	13360	13627
UN16832	Rsa1.0.00001.1	735	363028	1.00E-112	312	346	90 +	4	348	190816	191142
UN16833	Rsa1.0.00055.1	788	520193	1.00E-155	290	294	98 +	1	294	207483	207776
UN16834	Rsa1.0.05448.1	738	13712	1.00E-116	212	212	100 -	195	406	11459	11670
UN16835	Rsa1.0.02650.1	352	29047	0	338	340	99 -	13	352	11566	11904
UN16836	Rsa1.0.00847.1	912	62270	1.00E-164	393	426	92 -	2	419	55145	55569
UN16837	Rsa1.0.02707.1	1051	28520	7.00E-95	215	225	95 -	8	230	26167	26391
UN16838	Rsa1.0.03120.1	1000	25269	7.00E-95	198	205	96 +	81	285	20575	20779
UN16839	Rsa1.0.03966.1	828	19823	1.00E-171	369	387	95 +	35	418	1948	2332
UN16840	Rsa1.0.00121.1	562	278029	0	540	561	96 +	3	562	55537	56091
UN16841	Rsa1.0.00780.1	774	147795	1.00E-154	295	300	98 -	447	745	42762	43061
UN16842	Rsa1.0.00038.1	1555	314568	0	1423	1450	98 +	2	1451	283204	284648
UN16843	Rsa1.0.02453.1	848	31271	0	359	361	99 -	5	364	14906	15266
UN16844	Rsa1.0.02660.1	742	28969	1.00E-115	235	243	96 -	65	307	12641	12883
UN16845	Rsa1.0.08846.1	648	6867	6.00E-88	248	275	90 +	382	645	3201	3473
UN16846	Rsa1.0.00190.1	986	318240	0	792	811	97 -	1	807	94238	95048

UN16847	Rsa1.0.03668.1	290	21483	1.00E-138	279	289	96 -	1	289	11564	11852
UN16848	Rsa1.0.09017.1	1045	6706	0	353	359	98 -	685	1043	822	1180
UN16849	Rsa1.0.03770.1	706	20952	0	505	522	96 -	1	522	5875	6392
UN16850	Rsa1.0.00116.1	771	365886	0	439	443	99 +	329	771	344422	344864
UN16851	Rsa1.0.00017.1	917	752458	0	618	639	96 -	279	917	616126	616764
UN16852	Rsa1.0.01540.1	943	151890	0	495	507	97 +	208	714	144792	145298
UN16853	Rsa1.0.02723.1	295	28408	1.00E-143	288	297	96 +	3	293	2563	2859
UN16854	Rsa1.0.00827.1	1340	62790	0	691	718	96 -	2	719	22600	23299
UN16855	Rsa1.0.00855.1	1108	62047	0	451	458	98 +	649	1104	55676	56132
UN16856	Rsa1.0.01731.1	1078	40208	0	536	538	99 -	1	537	19840	20377
UN16857	Rsa1.0.00307.1	255	199003	1.00E-132	252	255	98 +	1	255	5805	6058
UN16858	Rsa1.0.01727.1	1423	40243	0	371	371	100 +	3	373	5093	5463
UN16859	Rsa1.0.00552.1	848	206757	0	822	847	97 -	2	848	65984	66826
UN16860	Rsa1.0.06021.1	1278	11911	0	588	590	99 -	689	1278	4387	4976
UN16861	Rsa1.0.00040.1	822	324196	1.00E-150	386	426	90 -	421	820	227177	227600
UN16862	Rsa1.0.00521.1	831	78191	0	372	376	98 +	1	376	71471	71846
UN16863	Rsa1.0.00168.1	1441	115870	0	606	615	98 +	521	1135	88360	88974
UN16864	Rsa1.0.00321.1	1611	95671	0	352	354	99 +	1260	1611	40671	41024
UN16865	Rsa1.0.04518.1	1796	17005	1.00E-170	482	545	88 +	687	1206	11675	12209
UN16866	Rsa1.0.16623.1	1024	2086	0	411	424	96 +	378	801	1196	1619
UN16867	Rsa1.0.00132.1	766	124299	0	431	434	99 -	1	434	46291	46723
UN16868	Rsa1.0.01184.1	1848	51452	0	416	425	97 +	1424	1848	7609	8030
UN16869	Rsa1.0.00767.1	1377	64980	0	385	385	100 -	1	385	18547	18931
UN16870	Rsa1.0.00120.1	1124	277288	1.00E-159	291	293	99 -	2	294	119581	119873
UN16871	Rsa1.0.02144.1	756	34630	1.00E-180	351	361	97 -	3	363	9429	9786
UN16872	Rsa1.0.03873.1	861	20360	1.00E-121	266	282	94 -	121	400	9247	9517
UN16873	Rsa1.0.00329.1	1428	222544	0	458	463	98 -	298	760	41377	41839
UN16874	Rsa1.0.00059.1	2146	159650	0	599	603	99 +	1047	1648	23292	23894
UN16875	Rsa1.0.00052.1	967	162771	1.00E-134	255	259	98 +	61	319	57659	57917
UN16876	Rsa1.0.06373.1	898	11138	1.00E-164	312	317	98 +	1	316	717	1033
UN16877	Rsa1.0.00123.1	719	325650	0	658	665	98 +	9	673	168294	168957
UN16878	Rsa1.0.01881.1	1305	37721	0	774	782	98 -	525	1305	32960	33741
UN16879	Rsa1.0.16623.1	1151	2086	0	454	466	97 -	687	1151	210	671
UN16880	Rsa1.0.00556.1	890	207212	0	351	356	98 +	519	873	5867	6222
UN16881	Rsa1.0.00020.1	1590	283099	0	1579	1584	99 +	1	1582	53213	54796
UN16882	Rsa1.0.05049.1	865	15025	0	485	498	97 +	351	848	4126	4619
UN16883	Rsa1.0.00046.1	1374	320315	1.00E-154	301	309	97 -	1071	1374	72846	73154
UN16884	Rsa1.0.06303.1	967	11268	1.00E-124	241	246	97 -	200	445	9882	10127
UN16885	Rsa1.0.01572.1	811	42995	0	796	810	98 +	2	811	6078	6879

UN16886	Rsa1.0.00373.1	1180	90296	1.00E-132	261	268	97 -	536	803	60869	61136
UN16887	Rsa1.0.00045.1	876	328694	0	868	878	98 -	7	874	302345	303222
UN16888	Rsa1.0.01958.1	1122	261128	1.00E-142	318	337	94 +	785	1115	115205	115537
UN16889	Rsa1.0.00015.1	703	561803	1.00E-147	461	530	86 -	57	568	483124	483640
UN16890	Rsa1.0.01145.1	1517	149247	1.00E-178	380	396	95 +	1	395	123359	123750
UN16891	Rsa1.0.14674.1	945	3167	0	399	408	97 -	1	401	372	779
UN16892	Rsa1.0.00206.1	1310	109040	0	560	612	91 +	32	636	95688	96299
UN16893	Rsa1.0.00272.1	1003	447836	1.00E-135	258	261	98 -	5	265	219273	219532
UN16894	Rsa1.0.04407.1	1326	17504	0	436	444	98 -	868	1311	4181	4623
UN16895	Rsa1.0.00094.1	1458	139042	1.00E-175	319	320	99 -	1	320	99912	100230
UN16896	Rsa1.0.00034.1	2080	260119	4.00E-98	264	291	90 -	151	441	161164	161454
UN16897	Rsa1.0.04291.1	1111	18055	0	473	475	99 -	1	475	8239	8711
UN16898	Rsa1.0.09859.1	482	6115	1.00E-130	324	353	91 -	1	353	5753	6102
UN16899	Rsa1.0.00910.1	1206	59975	1.00E-155	389	426	91 -	590	1015	55926	56351
UN16900	Rsa1.0.00887.1	1419	61048	0	406	411	98 -	9	419	50891	51299
UN16901	Rsa1.0.01814.1	1327	38917	0	473	486	97 -	831	1316	5704	6180
UN16902	Rsa1.0.01512.1	2048	44234	0	591	609	97 -	1443	2045	20810	21414
UN16903	Rsa1.0.07914.1	1257	8294	0	779	801	97 +	454	1250	1883	2683
UN16904	Rsa1.0.18254.1	1443	1636	1.00E-168	337	345	97 -	1100	1442	681	1024
UN16905	Rsa1.0.00384.1	1052	89278	3.00E-94	179	180	99 +	563	742	81079	81258
UN16906	Rsa1.0.03282.1	857	24107	0	539	561	96 +	300	852	10595	11155
UN16907	Rsa1.0.04198.1	816	18504	0	811	817	99 +	1	816	15298	16113
UN16908	Rsa1.0.03195.1	1766	24673	0	625	654	95 -	41	694	8990	9634
UN16909	Rsa1.0.05095.1	956	14869	1.00E-149	299	309	96 +	648	956	773	1077
UN16910	Rsa1.0.02688.1	904	28644	0	494	512	96 -	1	509	26861	27371
UN16911	Rsa1.0.00135.1	1222	178077	0	460	474	97 -	2	473	19429	19899
UN16912	Rsa1.0.02201.1	1279	33981	1.00E-119	267	280	95 -	1	276	31757	32035
UN16913	Rsa1.0.00382.1	912	251946	0	587	613	95 -	4	607	111146	111756
UN16914	Rsa1.0.00734.1	843	66508	0	544	575	94 +	1	574	62091	62665
UN16915	Rsa1.0.01220.1	861	161775	1.00E-140	283	293	96 -	1	293	117108	117400
UN16916	Rsa1.0.03638.1	1792	21634	0	370	376	98 +	1420	1792	11607	11982
UN16917	Rsa1.0.00624.1	1018	71773	1.00E-172	322	327	98 +	692	1018	21070	21396
UN16918	Rsa1.0.00370.1	1020	90472	0	534	542	98 +	1	542	71034	71575
UN16919	Rsa1.0.00211.1	1452	228189	0	1442	1452	99 -	2	1452	211359	212810
UN16920	Rsa1.0.00087.1	1473	761073	0	493	493	100 +	981	1473	568132	568624
UN16921	Rsa1.0.00102.1	1633	135497	0	385	388	99 +	1	388	42149	42536
UN16922	Rsa1.0.03191.1	999	145762	1.00E-118	259	272	95 +	5	275	15383	15654
UN16923	Rsa1.0.01273.1	1387	49464	1.00E-163	305	308	99 -	1074	1380	18185	18492
UN16924	Rsa1.0.01901.1	1094	37472	0	989	1003	98 +	2	1004	25164	26166

UN16925	Rsa1.0_39538.1	1677	569	1.00E-174	332	338	98 +	11	346	90	427
UN16926	Rsa1.0_00457.1	856	337301	0	436	436	100 +	420	855	142257	142692
UN16927	Rsa1.0_08430.1	1132	7367	0	391	408	95 -	1	407	2169	2573
UN16928	Rsa1.0_03120.1	1027	25269	1.00E-155	338	353	95 +	677	1027	22032	22381
UN16929	Rsa1.0_02910.1	975	26843	1.00E-118	216	216	100 -	3	218	2761	2976
UN16930	Rsa1.0_00050.1	1626	237174	0	380	381	99 +	1	380	31140	31520
UN16931	Rsa1.0_02362.1	1148	32190	0	390	402	97 +	749	1148	21332	21730
UN16932	Rsa1.0_04873.1	1516	15657	1.00E-139	269	274	98 +	3	276	12262	12532
UN16933	Rsa1.0_00951.1	658	164588	1.00E-149	279	282	98 +	379	658	114506	114787
UN16934	Rsa1.0_00568.1	1831	75219	0	1020	1050	97 +	543	1584	1622	2658
UN16935	Rsa1.0_05336.1	1680	14117	0	335	335	100 -	1	335	11121	11455
UN16936	Rsa1.0_02247.1	952	33427	2.33E-156	336	361	93 -	1	361	28646	28994
UN16937	Rsa1.0_00913.1	793	59914	0	390	393	99 +	228	620	10123	10512
UN16938	Rsa1.0_01434.1	1260	45951	0	1152	1196	96 -	66	1258	7329	8511
UN16939	Rsa1.0_03504.1	1102	22443	1.00E-166	334	342	97 -	36	376	10641	10977
UN16940	Rsa1.0_00300.1	1349	97747	0	536	566	94 -	703	1256	81512	82074
UN16941	Rsa1.0_01203.1	1147	50848	0	337	340	99 -	2	341	39876	40215
UN16942	Rsa1.0_00999.1	2300	57162	0	486	527	92 +	1759	2263	56248	56765
UN16943	Rsa1.0_00546.1	1497	76523	0	709	716	99 -	111	826	61328	62042
UN16944	Rsa1.0_04873.1	1655	15657	1.00E-152	315	327	96 +	1319	1642	15059	15384
UN16945	Rsa1.0_01462.1	989	45231	0	523	544	96 -	1	532	27589	28132
UN16946	Rsa1.0_00484.1	949	203294	0	537	546	98 -	404	949	49802	50347
UN16947	Rsa1.0_00017.1	1172	752458	0	1154	1171	98 +	2	1172	330369	331538
UN16948	Rsa1.0_00548.1	1091	76518	1.00E-138	259	262	98 +	3	264	60500	60761
UN16949	Rsa1.0_00302.1	1127	97521	1.00E-166	378	406	93 -	1	389	85022	85427
UN16950	Rsa1.0_05628.1	1184	13130	0	426	432	98 -	2	432	1627	2058
UN16951	Rsa1.0_00994.1	2532	165189	0	553	563	98 +	1843	2405	1248	1810
UN16952	Rsa1.0_00580.1	803	74515	1.00E-163	343	356	96 -	451	803	33899	34249
UN16953	Rsa1.0_00861.1	764	61759	1.00E-140	302	317	95 -	2	314	44481	44796
UN16954	Rsa1.0_65165.1	487	352	1.00E-91	204	213	95 +	278	487	1	212
UN16955	Rsa1.0_00084.1	1100	142338	0	694	711	97 -	395	1098	132713	133423
UN16956	Rsa1.0_01280.1	1537	49321	0	1091	1092	99 +	444	1535	36579	37670
UN16957	Rsa1.0_02859.1	554	162118	0	456	457	99 -	1	457	154217	154673
UN16958	Rsa1.0_00333.1	1446	94500	0	536	561	95 +	889	1446	69143	69703
UN16959	Rsa1.0_02431.1	816	31504	0	437	458	95 -	360	812	17474	17922
UN16960	Rsa1.0_02103.1	1001	35006	0	574	598	95 +	14	605	13499	14094
UN16961	Rsa1.0_09270.1	936	6513	0	884	941	93 -	3	936	5294	6201
UN16962	Rsa1.0_00437.1	1048	84879	0	427	452	94 +	593	1043	23633	24067
UN16963	Rsa1.0_09434.1	1294	6371	0	335	336	99 -	498	833	1196	1531

UN16964	Rsa1.0.02455.1	957	31262	0	556	564	98 -	1	563	25408	25971
UN16965	Rsa1.0.06663.1	1506	10576	0	666	673	98 -	834	1506	6927	7599
UN16966	Rsa1.0.00476.1	1328	280966	0	775	803	96 +	279	1077	160084	160884
UN16967	Rsa1.0.11046.1	844	5635	1.00E-155	329	343	95 -	9	347	3092	3432
UN16968	Rsa1.0.01092.1	1190	54348	1.00E-166	364	385	94 +	805	1189	53693	54076
UN16969	Rsa1.0.04400.1	1318	17529	0	846	865	97 +	75	933	16666	17529
UN16970	Rsa1.0.00995.1	1594	57243	0	1588	1593	99 -	2	1594	46530	48122
UN16971	Rsa1.0.00184.1	1331	218748	0	623	635	98 -	697	1331	210822	211456
UN16972	Rsa1.0.00069.1	1544	403561	0	463	464	99 -	1081	1544	394775	395238
UN16973	Rsa1.0.00268.1	1554	101470	0	507	533	95 +	4	518	42996	43526
UN16974	Rsa1.0.01108.1	1588	53865	0	1213	1224	99 -	93	1316	1	1224
UN16975	Rsa1.0.00524.1	1517	169613	0	676	683	98 -	426	1106	129773	130455
UN16976	Rsa1.0.03264.1	1179	145959	1.00E-139	275	283	97 -	496	778	134142	134424
UN16977	Rsa1.0.00108.1	1315	478491	0	381	385	98 -	931	1315	450948	451332
UN16978	Rsa1.0.01029.1	1064	256254	1.00E-155	320	332	96 -	1	329	245893	246223
UN16979	Rsa1.0.00592.1	1187	73788	0	1157	1188	97 +	1	1186	61537	62724
UN16980	Rsa1.0.00232.1	1236	104936	1.00E-167	304	306	99 +	931	1236	48471	48776
UN16981	Rsa1.0.00111.1	1167	390088	0	376	385	97 +	782	1166	373585	373965
UN16982	Rsa1.0.00167.1	1274	116000	0	653	670	97 -	3	672	43588	44257
UN16983	Rsa1.0.00777.1	1049	191865	0	420	424	99 +	4	427	129722	130145
UN16984	Rsa1.0.09656.1	1018	6229	0	940	986	95 +	2	987	5101	6086
UN16985	Rsa1.0.00619.1	1708	71985	0	1526	1556	98 -	153	1708	13958	15500
UN16986	Rsa1.0.00071.1	1150	345714	0	540	551	98 -	600	1146	336436	336985
UN16987	Rsa1.0.00153.1	769	192931	1.00E-116	244	251	97 +	517	765	168694	168941
UN16988	Rsa1.0.15323.1	1242	2685	5.00E-96	188	190	98 +	3	190	1634	1823
UN16989	Rsa1.0.00381.1	1988	89718	1.00E-115	219	220	99 +	1770	1988	37380	37599
UN16990	Rsa1.0.00107.1	2084	431659	0	527	534	98 -	788	1321	299930	300463
UN16991	Rsa1.0.01377.1	1023	46967	1.00E-117	283	307	92 -	3	308	24880	25174
UN16992	Rsa1.0.18948.1	1109	1506	6.00E-80	182	189	96 -	17	203	686	870
UN16993	Rsa1.0.01005.1	1434	56967	0	642	648	99 -	756	1403	5035	5682
UN16994	Rsa1.0.20420.1	872	1306	0	774	800	96 +	1	800	84	861
UN16995	Rsa1.0.01676.1	966	41140	0	942	964	97 -	2	962	32458	33420
UN16996	Rsa1.0.14001.1	908	3933	0	436	446	97 +	3	448	1367	1810
UN16997	Rsa1.0.04121.1	670	18951	0	422	452	93 -	51	502	13877	14328
UN16998	Rsa1.0.01831.1	1777	38628	1.00E-155	293	298	98 +	1173	1470	32851	33148
UN16999	Rsa1.0.01000.1	1085	57140	1.00E-118	238	244	97 +	54	297	37929	38171
UN17000	Rsa1.0.00566.1	524	75325	0	387	399	96 -	1	395	61768	62165
UN17001	Rsa1.0.00006.1	1001	396176	1.00E-179	365	377	96 -	625	1000	371008	371376
UN17002	Rsa1.0.00827.1	1758	62790	0	488	496	98 -	1262	1757	57646	58141

UN17003	Rsa1.0.00646.1	1201	70473	0	903	927	97 -	77	1003	4449	5375
UN17004	Rsa1.0.02319.1	1501	32580	0	773	794	97 +	708	1499	2476	3267
UN17005	Rsa1.0.01675.1	1197	41155	1.00E-134	243	243	100 +	7	249	12330	12572
UN17006	Rsa1.0.15262.1	1212	2722	0	468	486	96 -	9	494	1765	2247
UN17007	Rsa1.0.04872.1	1295	15659	1.00E-104	214	221	96 +	818	1038	14076	14296
UN17008	Rsa1.0.00050.1	1421	237174	1.00E-133	251	254	98 -	3	256	179575	179828
UN17009	Rsa1.0.01668.1	934	41299	1.00E-105	267	291	91 -	96	386	40399	40689
UN17010	Rsa1.0.01867.1	1557	37960	0	485	496	97 +	788	1283	19568	20063
UN17011	Rsa1.0.00151.1	1000	119541	1.00E-123	287	303	94 +	7	303	109633	109935
UN17012	Rsa1.0.01000.1	1631	57140	0	412	413	99 +	17	429	2338	2750
UN17013	Rsa1.0.00033.1	683	515811	1.00E-155	328	343	95 +	1	337	365283	365622
UN17014	Rsa1.0.01286.1	1092	49209	0	438	441	99 -	651	1091	40337	40777
UN17015	Rsa1.0.01425.1	919	46136	1.00E-175	328	332	98 -	21	352	8221	8551
UN17016	Rsa1.0.00524.1	1533	169613	0	671	683	98 -	393	1074	129773	130455
UN17017	Rsa1.0.00476.1	2144	280966	0	551	565	97 -	676	1239	242668	243228
UN17018	Rsa1.0.02807.1	1669	27680	0	425	443	95 -	1	441	12120	12548
UN17019	Rsa1.0.01997.1	1738	158416	0	674	683	98 -	3	684	145620	146299
UN17020	Rsa1.0.03698.1	2715	21302	0	575	580	99 -	2136	2712	9537	10116
UN17021	Rsa1.0.01183.1	1363	51465	0	1158	1191	97 -	3	1191	41109	42291
UN17022	Rsa1.0.00197.1	906	109714	0	606	620	97 -	292	906	87937	88556
UN17023	Rsa1.0.01012.1	571	56836	1.00E-131	274	285	96 +	237	521	40013	40296
UN17024	Rsa1.0.01151.1	665	52268	0	451	451	100 -	214	664	26191	26641
UN17025	Rsa1.0.00108.1	1337	478491	1.00E-179	397	422	94 -	912	1332	450922	451332
UN17026	Rsa1.0.01762.1	719	39682	0	465	492	94 +	144	632	1493	1973
UN17027	Rsa1.0.02089.1	1276	35163	0	331	333	99 +	941	1273	10642	10973
UN17028	Rsa1.0.00119.1	1382	467509	0	1259	1328	94 -	64	1382	346461	347782
UN17029	Rsa1.0.00822.1	1346	62891	1.00E-114	260	275	94 +	1050	1324	32221	32491
UN17030	Rsa1.0.00482.1	1291	81162	1.00E-133	252	254	99 +	1	254	25693	25945
UN17031	Rsa1.0.00611.1	985	72410	0	491	497	98 -	3	499	60559	61055
UN17032	Rsa1.0.00175.1	1108	166121	0	592	607	97 +	502	1108	151998	152597
UN17033	Rsa1.0.01085.1	864	54539	0	433	450	96 +	400	846	15815	16253
UN17034	Rsa1.0.02135.1	1285	34713	0	597	606	98 -	680	1285	15164	15766
UN17035	Rsa1.0.00237.1	897	235974	0	387	396	97 -	1	396	58852	59246
UN17036	Rsa1.0.00017.1	1176	752458	1.00E-144	337	359	93 +	30	382	661863	662218
UN17037	Rsa1.0.00374.1	945	165738	0	425	437	97 -	509	945	95783	96217
UN17038	Rsa1.0.06604.1	1682	10681	0	487	495	98 -	4	497	10140	10634
UN17039	Rsa1.0.01610.1	1018	42274	0	791	814	97 +	2	810	11392	12204
UN17040	Rsa1.0.00128.1	1699	228675	0	1424	1428	99 -	271	1698	207255	208682
UN17041	Rsa1.0.06151.1	1397	11612	0	377	380	99 -	1	379	10276	10655

UN17042	Rsa1.0.00017.1	875	752458	0	322	322	100 -	554	875	141333	141654
UN17043	Rsa1.0.01180.1	1021	51517	1.00E-166	312	317	98 +	2	318	30232	30548
UN17044	Rsa1.0.01701.1	709	162121	0	552	562	98 +	147	705	20038	20599
UN17045	Rsa1.0.00988.1	984	57525	0	336	340	98 +	1	338	27333	27672
UN17046	Rsa1.0.12119.1	2095	5311	2.33E-156	279	284	98 +	1170	1453	4573	4856
UN17047	Rsa1.0.00991.1	1621	143101	0	593	611	97 -	836	1445	28345	28955
UN17048	Rsa1.0.04238.1	1125	18352	1.00E-101	266	292	91 +	848	1125	2706	2996
UN17049	Rsa1.0.01335.1	388	47894	1.00E-172	366	386	94 -	1	386	29200	29585
UN17050	Rsa1.0.00168.1	1684	115870	0	378	386	97 +	16	398	113980	114364
UN17051	Rsa1.0.01707.1	1151	40686	0	394	401	98 -	333	733	25818	26218
UN17052	Rsa1.0.02041.1	991	163634	1.00E-121	240	246	97 -	746	991	18791	19032
UN17053	Rsa1.0.01786.1	981	133324	0	351	356	98 -	623	978	100633	100988
UN17054	Rsa1.0.00348.1	1377	92818	1.00E-111	217	220	98 -	104	322	39668	39887
UN17055	Rsa1.0.01600.1	871	42537	1.00E-159	294	297	98 -	1	297	25097	25393
UN17056	Rsa1.0.01743.1	1098	39926	1.00E-173	321	324	99 +	775	1098	15993	16315
UN17057	Rsa1.0.05051.1	1491	15018	0	456	464	98 +	1	460	13852	14315
UN17058	Rsa1.0.02196.1	1522	34005	0	470	484	97 -	1042	1522	9453	9934
UN17059	Rsa1.0.00457.1	902	337301	1.00E-122	230	231	99 +	3	232	140560	140790
UN17060	Rsa1.0.00132.1	753	124299	0	415	431	96 -	1	422	46291	46718
UN17061	Rsa1.0.00021.1	911	263655	0	473	477	99 -	2	478	78215	78691
UN17062	Rsa1.0.01958.1	1171	261128	1.00E-104	261	282	92 -	3	278	115205	115482
UN17063	Rsa1.0.01262.1	936	178815	0	775	783	98 +	1	783	162983	163765
UN17064	Rsa1.0.00008.1	1261	358124	1.00E-177	333	337	98 -	1	333	39412	39748
UN17065	Rsa1.0.31415.1	1402	728	1.00E-145	271	274	98 -	1123	1396	11	284
UN17066	Rsa1.0.00462.1	1333	82288	0	481	486	98 -	35	518	68395	68880
UN17067	Rsa1.0.01009.1	877	56922	1.00E-156	301	308	97 -	3	310	3612	3919
UN17068	Rsa1.0.00436.1	750	85008	0	532	532	100 +	1	532	368	899
UN17069	Rsa1.0.05030.1	863	15088	0	820	866	94 -	3	863	10854	11698
UN17070	Rsa1.0.00479.1	713	81377	1.00E-144	263	264	99 +	155	418	28662	28925
UN17071	Rsa1.0.00104.1	513	368722	1.00E-169	325	333	97 -	181	513	224996	225328
UN17072	Rsa1.0.00006.1	984	396176	0	957	971	98 -	3	971	279153	280120
UN17073	Rsa1.0.01515.1	837	170864	0	801	834	96 +	4	837	140612	141438
UN17074	Rsa1.0.02494.1	1113	132923	0	1024	1024	100 -	89	1112	6031	7054
UN17075	Rsa1.0.02911.1	952	142461	1.00E-121	224	225	99 +	639	863	129556	129780
UN17076	Rsa1.0.00369.1	1519	266462	1.00E-102	211	217	97 +	3	219	165218	165433
UN17077	Rsa1.0.00071.1	1036	345714	1.00E-158	328	343	95 -	3	345	317193	317535
UN17078	Rsa1.0.03951.1	791	19894	1.00E-155	296	302	98 -	365	666	10099	10400
UN17079	Rsa1.0.00765.1	923	65029	1.00E-144	260	260	100 -	664	923	25069	25328
UN17080	Rsa1.0.03612.1	694	21784	1.00E-138	290	302	96 +	392	692	11617	11918

UN17081	Rsa1.0_11019.1	769	5646	0	370	379	97 +	314	692	463	841
UN17082	Rsa1.0_07597.1	798	9055	0	554	562	98 -	239	798	7494	8053
UN17083	Rsa1.0_00465.1	1278	82138	1.00E-167	308	311	99 -	940	1250	15255	15565
UN17084	Rsa1.0_02433.1	889	158318	1.00E-92	173	173	100 -	277	449	131433	131605
UN17085	Rsa1.0_01335.1	1293	47894	0	459	460	99 -	1	460	3909	4368
UN17086	Rsa1.0_08230.1	834	7688	2.33E-156	263	263	100 -	1	263	5363	5625
UN17087	Rsa1.0_00131.1	943	432233	0	412	418	98 +	526	943	96212	96626
UN17088	Rsa1.0_00651.1	689	247766	0	544	557	97 -	1	555	178480	179032
UN17089	Rsa1.0_01004.1	1348	56975	0	562	583	96 -	748	1328	18969	19547
UN17090	Rsa1.0_00782.1	1690	64468	1.00E-102	240	259	92 -	1448	1690	32971	33228
UN17091	Rsa1.0_04198.1	1456	18504	0	628	628	100 -	829	1456	12882	13509
UN17092	Rsa1.0_00031.1	1403	179862	0	468	468	100 -	1	468	161267	161734
UN17093	Rsa1.0_08609.1	1295	7132	0	525	533	98 +	524	1056	5492	6024
UN17094	Rsa1.0_00136.1	1176	122464	1.00E-121	222	222	100 -	955	1176	68773	68994
UN17095	Rsa1.0_28441.1	1565	815	0	808	815	99 -	559	1373	1	815
UN17096	Rsa1.0_01724.1	985	40292	0	512	536	95 -	1	536	19668	20191
UN17097	Rsa1.0_01866.1	1384	37961	0	573	600	95 -	785	1378	12330	12926
UN17098	Rsa1.0_02883.1	1001	27035	0	376	386	97 -	266	651	3528	3913
UN17099	Rsa1.0_01559.1	721	43262	1.00E-166	343	355	96 -	369	721	28796	29148
UN17100	Rsa1.0_00230.1	1286	105389	0	596	603	98 +	640	1242	32582	33183
UN17101	Rsa1.0_00056.1	695	332604	1.00E-150	287	292	98 -	407	695	90001	90292
UN17102	Rsa1.0_00879.1	734	61297	0	708	720	98 +	14	732	59152	59869
UN17103	Rsa1.0_00082.1	1391	237584	0	762	772	98 -	1	770	228596	229366
UN17104	Rsa1.0_02608.1	1217	29613	0	462	470	98 -	604	1073	24637	25105
UN17105	Rsa1.0_00159.1	1604	431686	0	489	515	94 -	1092	1598	407448	407952
UN17106	Rsa1.0_01185.1	1119	149842	1.00E-148	267	267	100 -	397	663	132558	132824
UN17107	Rsa1.0_01943.1	1106	37042	1.00E-127	232	232	100 +	404	635	30663	30894
UN17108	Rsa1.0_03375.1	1204	23332	0	393	398	98 -	1	398	15136	15532
UN17109	Rsa1.0_05469.1	991	13644	1.00E-149	313	328	95 -	17	344	10994	11321
UN17110	Rsa1.0_01964.1	710	36702	0	554	559	99 -	153	710	20109	20666
UN17111	Rsa1.0_14714.1	1110	3134	8.00E-98	218	229	95 +	1	229	2908	3134
UN17112	Rsa1.0_06468.1	706	10958	0	416	425	97 -	283	704	6358	6782
UN17113	Rsa1.0_00036.1	1066	176186	1.00E-133	245	246	99 +	820	1065	30358	30603
UN17114	Rsa1.0_00065.1	1492	454616	1.00E-160	290	291	99 -	552	842	234141	234431
UN17115	Rsa1.0_00033.1	1225	515811	1.00E-178	328	332	98 +	879	1210	131617	131948
UN17116	Rsa1.0_04564.1	883	16837	0	454	456	99 +	428	883	3115	3570
UN17117	Rsa1.0_18565.1	1748	1573	1.00E-143	315	331	95 -	166	492	1014	1342
UN17118	Rsa1.0_00744.1	370	66084	3.00E-70	138	139	99 -	81	219	16390	16528
UN17119	Rsa1.0_00401.1	982	244410	0	387	395	97 -	585	978	178052	178445

UN17120	Rsa1.0.02252.1	1473	33375	0	539	540	99 -	1	540	8074	8613
UN17121	Rsa1.0.01638.1	1352	41857	1.00E-179	334	339	98 +	609	947	36262	36600
UN17122	Rsa1.0.05766.1	821	12708	0	662	668	99 +	148	815	3550	4217
UN17123	Rsa1.0.23487.1	1258	1045	0	730	762	95 -	411	1172	280	1041
UN17124	Rsa1.0.02404.1	972	31702	0	550	553	99 +	116	668	774	1324
UN17125	Rsa1.0.00418.1	1992	215377	0	490	498	98 -	345	842	4220	4717
UN17126	Rsa1.0.04027.1	782	19501	1.00E-120	225	227	99 +	54	280	3004	3230
UN17127	Rsa1.0.01540.1	1427	151890	0	489	490	99 +	938	1427	146855	147344
UN17128	Rsa1.0.03887.1	1390	20247	0	402	404	99 +	985	1388	4347	4750
UN17129	Rsa1.0.00484.1	1504	203294	0	782	802	97 -	1	802	56116	56910
UN17130	Rsa1.0.01887.1	1035	37564	0	504	531	94 -	1	527	26538	27062
UN17131	Rsa1.0.00323.1	1049	159650	0	401	417	96 -	1	412	32229	32645
UN17132	Rsa1.0.01783.1	995	39383	0	445	465	95 -	541	995	9401	9865
UN17133	Rsa1.0.00101.1	1000	267193	0	499	512	97 +	8	517	211676	212182
UN17134	Rsa1.0.02381.1	1860	31972	1.00E-151	362	389	93 +	4	391	13537	13910
UN17135	Rsa1.0.00254.1	1204	102600	1.00E-178	317	317	100 -	888	1204	74047	74363
UN17136	Rsa1.0.00861.1	1007	61759	1.00E-147	268	269	99 -	326	594	44124	44392
UN17137	Rsa1.0.01047.1	1068	55705	0	325	326	99 -	1	326	2010	2335
UN17138	Rsa1.0.00396.1	780	88242	1.00E-170	318	323	98 -	452	774	20219	20541
UN17139	Rsa1.0.03782.1	1161	20891	1.00E-171	315	317	99 +	846	1161	13909	14225
UN17140	Rsa1.0.00549.1	827	76473	0	360	363	99 +	3	365	26130	26492
UN17141	Rsa1.0.00128.1	1047	228675	0	393	393	100 -	653	1045	217824	218216
UN17142	Rsa1.0.00837.1	1384	62568	0	388	399	97 +	2	397	54460	54856
UN17143	Rsa1.0.00058.1	1407	159921	0	395	404	97 +	331	734	50728	51131
UN17144	Rsa1.0.00962.1	744	184909	0	380	380	100 +	2	381	12660	13039
UN17145	Rsa1.0.01242.1	1718	50066	0	357	359	99 +	94	452	4509	4867
UN17146	Rsa1.0.00351.1	1351	413096	1.00E-157	282	282	100 -	450	731	133363	133644
UN17147	Rsa1.0.26967.1	645	871	1.00E-180	355	367	96 +	279	645	308	668
UN17148	Rsa1.0.01328.1	816	48021	0	754	794	94 -	27	816	46022	46794
UN17149	Rsa1.0.00140.1	2017	121541	0	377	379	99 -	1093	1471	117693	118071
UN17150	Rsa1.0.00204.1	1139	109056	1.00E-165	422	464	90 -	2	456	59835	60283
UN17151	Rsa1.0.01326.1	842	48072	0	588	594	98 -	249	842	41525	42118
UN17152	Rsa1.0.04040.1	1366	19439	0	447	451	99 +	689	1139	9830	10280
UN17153	Rsa1.0.00769.1	865	64911	1.00E-160	338	352	96 +	516	865	41514	41861
UN17154	Rsa1.0.00240.1	1286	104175	0	569	594	95 -	1	591	92182	92773
UN17155	Rsa1.0.00577.1	1344	174827	0	386	388	99 +	954	1341	118729	119116
UN17156	Rsa1.0.07591.1	707	9060	1.00E-173	317	320	99 +	388	707	6177	6496
UN17157	Rsa1.0.09269.1	1237	6514	0	439	441	99 -	1	440	1082	1521
UN17158	Rsa1.0.08583.1	1321	7161	0	383	390	98 +	1	390	940	1329

UN17159	Rsa1.0_00204.1	1384	109056	1.00E-108	214	219	97 -	216	434	52555	52773
UN17160	Rsa1.0_05482.1	601	13595	1.00E-125	257	263	97 -	339	601	13336	13595
UN17161	Rsa1.0_03005.1	1155	26082	0	543	581	93 -	579	1155	23125	23688
UN17162	Rsa1.0_00170.1	894	179538	0	493	503	98 -	44	546	22985	23487
UN17163	Rsa1.0_00121.1	716	278029	1.00E-122	268	280	95 +	1	279	122848	123123
UN17164	Rsa1.0_00475.1	1620	81678	0	827	890	92 -	738	1620	39188	40051
UN17165	Rsa1.0_01249.1	1656	188432	1.00E-168	321	326	98 -	690	1015	176676	176997
UN17166	Rsa1.0_00002.1	1604	601661	0	445	454	98 +	884	1337	247632	248085
UN17167	Rsa1.0_00090.1	1322	273859	0	371	377	98 +	3	379	241913	242289
UN17168	Rsa1.0_06883.1	1808	10210	0	335	339	98 +	117	455	5507	5845
UN17169	Rsa1.0_01086.1	1068	54509	3.00E-66	148	153	96 +	916	1067	29892	30044
UN17170	Rsa1.0_00913.1	1799	59914	0	843	862	97 -	938	1799	24410	25271
UN17171	Rsa1.0_00045.1	1421	328694	1.00E-177	341	349	97 +	3	348	160674	161022
UN17172	Rsa1.0_01374.1	1566	47047	1.00E-171	321	325	98 -	1164	1488	27459	27782
UN17173	Rsa1.0_00189.1	1555	111830	0	1259	1278	98 +	2	1279	70151	71425
UN17174	Rsa1.0_02433.1	1088	158318	0	387	395	97 +	2	393	128385	128779
UN17175	Rsa1.0_42062.1	1390	533	0	441	445	99 -	4	447	11	455
UN17176	Rsa1.0_00002.1	2549	601661	0	952	953	99 +	1596	2547	558227	559179
UN17177	Rsa1.0_00522.1	1232	78103	1.00E-105	209	214	97 -	665	878	48991	49204
UN17178	Rsa1.0_16140.1	1343	2268	0	980	1003	97 +	3	997	1271	2268
UN17179	Rsa1.0_00033.1	844	515811	1.00E-135	264	269	98 +	3	270	130066	130334
UN17180	Rsa1.0_00656.1	837	69968	1.00E-174	391	414	94 +	1	411	45247	45651
UN17181	Rsa1.0_29097.1	1203	793	0	335	336	99 -	868	1203	458	793
UN17182	Rsa1.0_03120.1	1006	25269	1.00E-110	284	309	91 -	30	334	22032	22336
UN17183	Rsa1.0_15977.1	1367	2333	0	401	413	97 +	1	408	1157	1568
UN17184	Rsa1.0_02955.1	963	26484	1.00E-119	332	366	90 -	1	351	13654	14011
UN17185	Rsa1.0_00596.1	1730	73578	1.00E-147	265	265	100 +	1466	1730	24395	24659
UN17186	Rsa1.0_02869.1	977	27109	0	340	343	99 +	43	384	3356	3698
UN17187	Rsa1.0_00247.1	782	103408	0	629	630	99 -	1	630	14550	15179
UN17188	Rsa1.0_00344.1	1030	191774	0	472	480	98 -	1	478	108987	109465
UN17189	Rsa1.0_00678.1	1648	193163	0	659	666	98 +	29	694	161085	161750
UN17190	Rsa1.0_01157.1	830	52121	0	334	335	99 +	1	335	42503	42837
UN17191	Rsa1.0_07998.1	962	8105	1.00E-156	304	312	97 +	221	532	4011	4322
UN17192	Rsa1.0_04194.1	2327	132734	0	845	848	99 +	499	1346	116698	117545
UN17193	Rsa1.0_06468.1	1015	10958	0	993	1022	97 -	3	1015	6342	7359
UN17194	Rsa1.0_00477.1	1518	81556	0	448	451	99 +	1069	1518	17513	17962
UN17195	Rsa1.0_05303.1	2154	14211	0	1257	1263	99 +	3	1265	893	2155
UN17196	Rsa1.0_00605.1	696	73199	0	353	358	98 -	333	690	30515	30872
UN17197	Rsa1.0_01586.1	1288	42804	0	421	428	98 +	2	427	30177	30604

UN17198	Rsa1.0.00674.1	1260	193753	0	507	508	99 -	232	739	4532	5039
UN17199	Rsa1.0.02097.1	954	35036	0	943	953	98 +	2	954	15577	16528
UN17200	Rsa1.0.00601.1	1304	177045	0	1258	1275	98 -	3	1277	134182	135456
UN17201	Rsa1.0.00705.1	950	67505	1.00E-161	320	327	97 +	25	349	17701	18025
UN17202	Rsa1.0.00321.1	1628	95671	0	503	512	98 +	1116	1627	21420	21931
UN17203	Rsa1.0.02267.1	1317	33194	1.00E-109	249	262	95 +	1	258	28519	28778
UN17204	Rsa1.0.01085.1	853	54539	1.00E-178	322	324	99 -	248	571	13646	13969
UN17205	Rsa1.0.00187.1	2047	393093	0	454	454	100 -	1	454	48682	49135
UN17206	Rsa1.0.00033.1	1293	515811	1.00E-176	329	333	98 +	962	1293	356168	356500
UN17207	Rsa1.0.00789.1	1379	64233	0	384	386	99 +	995	1379	53473	53858
UN17208	Rsa1.0.02900.1	1490	26928	0	466	469	99 +	1	469	17172	17640
UN17209	Rsa1.0.04073.1	1339	19238	0	390	396	98 -	3	393	16757	17152
UN17210	Rsa1.0.00056.1	1259	332604	1.00E-101	203	208	97 +	836	1043	313940	314147
UN17211	Rsa1.0.00666.1	1209	69505	0	734	750	97 -	462	1209	41678	42418
UN17212	Rsa1.0.04846.1	1013	15739	0	569	570	99 +	442	1011	13280	13849
UN17213	Rsa1.0.00813.1	926	63202	0	536	548	97 -	1	547	51191	51732
UN17214	Rsa1.0.00097.1	1266	138858	0	600	632	94 -	653	1266	111486	112113
UN17215	Rsa1.0.00010.1	1499	294827	0	428	442	96 +	254	695	121872	122313
UN17216	Rsa1.0.02455.1	740	31262	1.00E-173	370	388	95 +	352	738	25408	25794
UN17217	Rsa1.0.00159.1	1616	431686	0	355	361	98 -	1	361	210507	210861
UN17218	Rsa1.0.00667.1	1051	69460	0	549	594	92 -	477	1051	23959	24549
UN17219	Rsa1.0.03302.1	1216	23898	0	361	362	99 -	849	1210	17711	18072
UN17220	Rsa1.0.03334.1	988	23659	1.00E-130	285	306	93 -	1	306	20257	20543
UN17221	Rsa1.0.01083.1	678	54617	1.00E-132	307	324	94 +	358	677	4951	5274
UN17222	Rsa1.0.07739.1	1855	8684	0	460	466	98 -	400	865	7273	7738
UN17223	Rsa1.0.02404.1	784	31702	0	467	482	96 -	300	776	843	1324
UN17224	Rsa1.0.02501.1	793	30764	0	459	482	95 -	274	749	10592	11072
UN17225	Rsa1.0.09200.1	800	6562	1.00E-143	280	286	97 -	476	761	6029	6313
UN17226	Rsa1.0.00476.1	1006	280966	1.00E-163	343	358	95 +	3	354	241508	241858
UN17227	Rsa1.0.01126.1	1344	53127	0	1203	1241	96 +	105	1344	51583	52822
UN17228	Rsa1.0.00093.1	983	214962	0	622	660	94 -	342	981	11159	11812
UN17229	Rsa1.0.16093.1	774	2288	0	349	355	98 -	65	419	1665	2019
UN17230	Rsa1.0.00476.1	536	280966	1.00E-113	319	357	89 -	2	354	7043	7380
UN17231	Rsa1.0.09695.1	851	6206	1.00E-159	324	336	96 +	512	845	603	934
UN17232	Rsa1.0.02455.1	523	31262	0	501	524	95 -	1	523	25426	25949
UN17233	Rsa1.0.01135.1	344	52799	1.00E-102	205	209	98 -	3	210	25251	25459
UN17234	Rsa1.0.02429.1	894	31527	2.00E-70	199	215	92 +	1	205	29106	29320
UN17235	Rsa1.0.00417.1	855	395068	0	347	355	97 -	5	359	14475	14826
UN17236	Rsa1.0.01000.1	990	57140	1.00E-114	225	230	97 -	761	990	37942	38171

UN17237	Rsa1.0.00381.1	652	89718	0	368	376	97 +	3	378	65776	66151
UN17238	Rsa1.0.00241.1	1431	104000	0	579	592	97 -	1	586	13582	14172
UN17239	Rsa1.0.00900.1	807	60367	1.00E-135	273	281	97 -	9	288	13294	13574
UN17240	Rsa1.0.02904.1	500	26883	8.00E-93	221	237	93 -	1	237	6100	6336
UN17241	Rsa1.0.05049.1	863	15025	0	507	509	99 -	1	509	4126	4634
UN17242	Rsa1.0.00524.1	705	169613	0	462	477	96 -	108	584	151835	152310
UN17243	Rsa1.0.00686.1	715	68511	0	404	426	94 +	10	435	27977	28402
UN17244	Rsa1.0.26967.1	453	871	2.00E-87	205	216	94 -	1	214	308	523
UN17245	Rsa1.0.00002.1	734	601661	0	403	424	95 -	38	461	36398	36814
UN17246	Rsa1.0.01371.1	731	47079	0	471	478	98 -	70	547	25451	25927
UN17247	Rsa1.0.07482.1	751	9278	1.00E-151	278	280	99 -	3	282	2864	3143
UN17248	Rsa1.0.00006.1	865	396176	0	493	499	98 -	367	865	301524	302022
UN17249	Rsa1.0.01146.1	518	163455	3.00E-74	184	198	92 +	1	198	41288	41485
UN17250	Rsa1.0.00749.1	792	65933	0	610	631	96 -	164	792	44807	45433
UN17251	Rsa1.0.00144.1	1316	120708	0	521	528	98 +	1	528	12334	12860
UN17252	Rsa1.0.02144.1	581	34630	1.00E-132	258	264	97 +	318	581	9429	9692
UN17253	Rsa1.0.02246.1	679	33435	1.00E-141	312	330	94 -	1	324	8242	8571
UN17254	Rsa1.0.00050.1	816	237174	1.00E-168	302	303	99 +	1	303	133684	133986
UN17255	Rsa1.0.00017.1	1036	752458	0	762	783	97 -	1	783	21347	22127
UN17256	Rsa1.0.00050.1	889	237174	1.00E-119	274	294	93 -	603	883	133690	133982
UN17257	Rsa1.0.10681.1	517	5757	1.00E-178	327	329	99 +	190	517	4487	4815
UN17258	Rsa1.0.00459.1	652	82580	1.00E-137	257	260	98 -	150	409	57153	57412
UN17259	Rsa1.0.00019.1	562	301669	1.00E-137	388	432	89 +	1	430	293082	293498
UN17260	Rsa1.0.00019.1	404	301669	1.00E-102	259	286	90 +	5	287	112778	113045
UN17261	Rsa1.0.00484.1	1448	203294	0	1008	1027	98 -	424	1448	126950	127973
UN17262	Rsa1.0.04377.1	970	17658	0	862	897	96 +	72	968	5228	6124
UN17263	Rsa1.0.00353.1	716	92242	5.00E-55	116	118	98 -	507	624	56359	56476
UN17264	Rsa1.0.00869.1	722	61627	0	379	380	99 +	1	380	53842	54221
UN17265	Rsa1.0.00123.1	637	325650	0	571	600	95 -	39	637	168360	168957
UN17266	Rsa1.0.03016.1	1450	26000	0	406	411	98 -	1038	1448	1133	1542
UN17267	Rsa1.0.00446.1	900	167829	1.00E-153	274	274	100 +	625	898	121449	121722
UN17268	Rsa1.0.00002.1	243	601661	1.00E-109	233	242	96 -	5	242	36553	36794
UN17269	Rsa1.0.00025.1	1634	277312	0	827	838	98 +	796	1633	271676	272513
UN17270	Rsa1.0.01016.1	780	181422	0	365	368	99 -	4	371	164149	164515
UN17271	Rsa1.0.00008.1	567	358124	1.00E-154	311	320	97 -	4	323	85294	85611
UN17272	Rsa1.0.02029.1	439	35857	1.00E-176	361	375	96 +	15	387	15219	15591
UN17273	Rsa1.0.05900.1	834	12295	1.00E-102	250	266	93 -	1	265	9713	9976
UN17274	Rsa1.0.04905.1	281	15507	1.00E-157	280	280	100 +	2	281	4974	5253
UN17275	Rsa1.0.00863.1	1133	254535	0	609	641	95 +	1	636	251930	252566

UN17276	Rsa1.0.03317.1	765	23782	0	695	742	93 -	3	736	7527	8247
UN17277	Rsa1.0.01335.1	786	47894	0	461	495	93 -	14	496	3909	4394
UN17278	Rsa1.0.05893.1	1590	12306	0	404	412	98 -	412	823	8140	8551
UN17279	Rsa1.0.08388.1	931	7436	0	457	483	94 -	452	931	2955	3434
UN17280	Rsa1.0.01558.1	914	43287	0	533	547	97 -	370	914	39092	39637
UN17281	Rsa1.0.00034.1	1349	260119	0	716	722	99 -	3	724	122108	122829
UN17282	Rsa1.0.02336.1	1047	32397	0	416	425	97 +	1	424	357	781
UN17283	Rsa1.0.01408.1	535	46383	0	511	527	96 -	7	532	34574	35100
UN17284	Rsa1.0.00014.1	660	348985	0	459	460	99 +	5	464	241604	242063
UN17285	Rsa1.0.00077.1	687	145005	1.00E-103	228	240	95 -	340	576	54043	54282
UN17286	Rsa1.0.00636.1	677	71113	2.00E-85	179	185	96 +	218	402	14731	14915
UN17287	Rsa1.0.00583.1	867	74309	1.00E-165	301	302	99 -	530	830	68461	68762
UN17288	Rsa1.0.01060.1	1578	55368	0	356	359	99 -	3	361	40139	40495
UN17289	Rsa1.0.03292.1	909	23977	1.00E-145	273	277	98 -	1	277	7108	7384
UN17290	Rsa1.0.00782.1	785	64468	2.00E-79	169	175	96 -	1	170	36483	36657
UN17291	Rsa1.0.00125.1	597	253043	1.00E-112	277	300	92 +	1	300	190696	190983
UN17292	Rsa1.0.00067.1	824	415055	0	735	743	98 +	83	823	177423	178165
UN17293	Rsa1.0.02989.1	731	26187	1.00E-149	268	268	100 +	248	515	3252	3519
UN17294	Rsa1.0.00682.1	1720	68680	0	564	575	98 -	1145	1719	7486	8060
UN17295	Rsa1.0.00654.1	3285	70012	0	627	633	99 -	2141	2769	41560	42191
UN17296	Rsa1.0.04104.1	603	19043	0	595	606	98 -	1	601	4942	5546
UN17297	Rsa1.0.02089.1	1258	35163	1.00E-166	321	329	97 +	928	1256	10642	10970
UN17298	Rsa1.0.00469.1	892	82084	0	416	432	96 -	463	892	45058	45487
UN17299	Rsa1.0.00744.1	686	66084	1.00E-174	309	309	100 -	378	686	18733	19041
UN17300	Rsa1.0.02593.1	715	29744	1.00E-116	251	261	96 -	452	711	2905	3164
UN17301	Rsa1.0.05491.1	1174	13554	1.00E-112	210	211	99 -	139	349	8427	8637
UN17302	Rsa1.0.02917.1	829	159058	0	816	830	98 +	1	829	144071	144900
UN17303	Rsa1.0.00042.1	1509	171507	0	382	397	96 -	3	393	90435	90831
UN17304	Rsa1.0.09695.1	984	6206	0	419	422	99 +	563	984	577	998
UN17305	Rsa1.0.00141.1	2158	121494	0	753	772	97 +	841	1608	104511	105282
UN17306	Rsa1.0.00705.1	474	67505	0	467	472	98 +	1	471	6457	6928
UN17307	Rsa1.0.00179.1	861	393324	0	515	526	97 -	342	861	45013	45538
UN17308	Rsa1.0.01096.1	1282	54266	1.00E-172	319	322	99 -	959	1280	8874	9194
UN17309	Rsa1.0.05319.1	1065	14158	1.00E-153	314	327	96 +	3	329	380	702
UN17310	Rsa1.0.03043.1	1324	130531	1.00E-118	229	233	98 -	212	444	129647	129879
UN17311	Rsa1.0.01376.1	1082	47004	0	478	481	99 +	602	1082	41027	41507
UN17312	Rsa1.0.03218.1	1724	24539	0	374	374	100 +	1	374	6444	6817
UN17313	Rsa1.0.01803.1	1039	173846	1.00E-171	429	461	93 +	584	1039	137460	137913
UN17314	Rsa1.0.00772.1	1155	64856	0	530	536	98 +	3	538	47045	47580

UN17315	Rsa1.0.05208.1	608	14504	1.00E-156	315	326	96 +	283	608	3908	4230
UN17316	Rsa1.0.00437.1	1369	84879	1.00E-102	210	217	96 -	29	245	15436	15652
UN17317	Rsa1.0.02103.1	865	35006	1.00E-151	303	311	97 -	21	329	24076	24386
UN17318	Rsa1.0.02671.1	1215	28887	1.00E-160	305	311	98 -	7	317	5055	5365
UN17319	Rsa1.0.00601.1	779	177045	1.00E-134	361	394	91 -	391	779	26119	26496
UN17320	Rsa1.0.08133.1	1297	7852	0	495	496	99 +	487	982	1307	1802
UN17321	Rsa1.0.01083.1	710	54617	1.00E-172	334	342	97 -	2	342	4951	5292
UN17322	Rsa1.0.08230.1	986	7688	1.00E-149	306	316	96 -	22	334	5325	5636
UN17323	Rsa1.0.06213.1	523	11478	8.00E-90	215	227	94 +	297	521	10901	11120
UN17324	Rsa1.0.02411.1	1413	31655	0	491	502	97 +	898	1399	5948	6441
UN17325	Rsa1.0.00281.1	1684	99908	0	1674	1685	99 -	1	1684	15586	17270
UN17326	Rsa1.0.00234.1	984	197060	1.00E-107	218	225	96 -	760	984	15854	16073
UN17327	Rsa1.0.00398.1	480	88007	1.00E-156	321	333	96 -	149	480	1596	1925
UN17328	Rsa1.0.00175.1	1692	166121	0	599	634	94 +	1071	1692	38440	39071
UN17329	Rsa1.0.03247.1	1267	24371	0	880	905	97 +	2	905	11640	12544
UN17330	Rsa1.0.00154.1	611	189461	1.00E-167	298	298	100 -	314	611	79485	79782
UN17331	Rsa1.0.04876.1	1132	15631	1.00E-141	279	286	97 -	846	1131	4222	4506
UN17332	Rsa1.0.03223.1	1067	24512	0	406	406	100 -	656	1061	9379	9784
UN17333	Rsa1.0.06258.1	610	11371	0	587	597	98 +	13	609	5683	6278
UN17334	Rsa1.0.00017.1	978	752458	0	389	409	95 -	573	978	138965	139373
UN17335	Rsa1.0.00157.1	1273	245832	0	622	631	98 +	642	1271	163052	163682
UN17336	Rsa1.0.00200.1	1191	162016	0	687	709	96 +	484	1190	108700	109406
UN17337	Rsa1.0.00767.1	814	64980	1.00E-160	326	339	96 -	5	337	18547	18882
UN17338	Rsa1.0.00218.1	1049	201480	0	379	383	98 -	1	382	173202	173584
UN17339	Rsa1.0.00211.1	1492	228189	0	450	468	96 -	6	472	201586	202046
UN17340	Rsa1.0.00033.1	801	515811	0	371	381	97 +	5	383	365245	365622
UN17341	Rsa1.0.00427.1	1045	189678	2.00E-98	201	207	97 -	303	509	10947	11153
UN17342	Rsa1.0.04793.1	684	15963	0	362	362	100 -	96	457	2167	2528
UN17343	Rsa1.0.02574.1	1325	29954	0	658	680	96 +	646	1325	27348	28009
UN17344	Rsa1.0.00034.1	803	260119	1.00E-132	254	258	98 +	549	803	89248	89505
UN17345	Rsa1.0.07236.1	1621	9680	0	408	418	97 +	769	1186	2465	2882
UN17346	Rsa1.0.00224.1	1243	327530	1.00E-101	275	307	89 +	33	325	204842	205139
UN17347	Rsa1.0.00900.1	873	60367	1.00E-159	290	292	99 +	58	349	12155	12446
UN17348	Rsa1.0.05890.1	998	12317	1.00E-150	301	310	97 +	3	312	11601	11904
UN17349	Rsa1.0.11019.1	1130	5646	0	373	383	97 +	357	739	463	845
UN17350	Rsa1.0.11599.1	944	5462	1.00E-159	292	293	99 -	618	910	4638	4929
UN17351	Rsa1.0.00257.1	946	102407	0	489	508	96 +	1	508	70304	70802
UN17352	Rsa1.0.00771.1	2458	64870	0	747	768	97 -	395	1162	47309	48076
UN17353	Rsa1.0.00045.1	1374	328694	1.00E-162	313	318	98 +	2	318	178691	179007

UN17354	Rsa1.0.02728.1	1015	28400	0	327	327	100 -	1	327	26853	27179
UN17355	Rsa1.0.00015.1	699	561803	1.00E-153	418	470	88 +	83	545	483083	483532
UN17356	Rsa1.0.01884.1	1811	37659	0	795	814	97 +	151	962	17507	18320
UN17357	Rsa1.0.01651.1	1299	41586	0	591	612	96 +	1	611	20826	21433
UN17358	Rsa1.0.01581.1	730	42833	0	458	459	99 -	10	468	28862	29320
UN17359	Rsa1.0.00596.1	959	73578	3.00E-97	236	248	95 -	22	265	24395	24640
UN17360	Rsa1.0.01997.1	1407	158416	0	648	662	97 +	746	1406	145642	146298
UN17361	Rsa1.0.00071.1	921	345714	0	436	460	94 +	477	921	142456	142908
UN17362	Rsa1.0.63369.1	967	362	1.00E-175	317	319	99 +	477	795	44	362
UN17363	Rsa1.0.09583.1	1061	6270	0	385	385	100 -	129	513	5886	6270
UN17364	Rsa1.0.06586.1	1243	10712	0	563	564	99 +	1	564	8594	9157
UN17365	Rsa1.0.00170.1	797	179538	1.00E-100	231	241	95 -	531	767	142306	142546
UN17366	Rsa1.0.01505.1	2008	44382	1.00E-180	458	499	91 +	1519	2008	38967	39454
UN17367	Rsa1.0.14772.1	1069	3077	0	1067	1070	99 +	1	1069	1242	2311
UN17368	Rsa1.0.00340.1	748	305782	0	419	428	97 -	90	511	186295	186722
UN17369	Rsa1.0.03521.1	1306	396204	1.00E-154	323	333	96 +	977	1306	139674	140005
UN17370	Rsa1.0.00429.1	1351	85559	0	722	723	99 -	1	723	61177	61899
UN17371	Rsa1.0.00135.1	939	178077	0	359	368	97 -	251	618	169208	169575
UN17372	Rsa1.0.01100.1	726	54113	0	425	445	95 -	289	726	33553	33997
UN17373	Rsa1.0.00247.1	1629	103408	0	951	1044	91 -	621	1629	13063	14090
UN17374	Rsa1.0.01335.1	826	47894	0	473	505	93 -	9	504	3909	4402
UN17375	Rsa1.0.00192.1	2259	278200	0	772	793	97 +	432	1222	41407	42196
UN17376	Rsa1.0.00148.1	1192	120234	0	932	935	99 -	1	935	63550	64484
UN17377	Rsa1.0.00284.1	1079	323267	0	726	750	96 +	330	1079	316783	317532
UN17378	Rsa1.0.03951.1	665	19894	1.00E-156	297	302	98 -	275	574	10099	10400
UN17379	Rsa1.0.04138.1	1011	18898	0	778	788	98 -	220	1007	3167	3953
UN17380	Rsa1.0.01761.1	1426	39717	0	890	924	96 +	410	1333	25093	26009
UN17381	Rsa1.0.04374.1	870	17670	0	446	453	98 +	422	870	7853	8305
UN17382	Rsa1.0.03077.1	1078	25558	1.00E-170	317	321	98 +	758	1078	8100	8417
UN17383	Rsa1.0.03818.1	835	20668	1.00E-145	292	301	97 +	5	299	9553	9853
UN17384	Rsa1.0.00092.1	1141	659932	1.00E-172	328	335	97 -	709	1043	13028	13362
UN17385	Rsa1.0.01344.1	981	142535	0	438	464	94 +	529	979	130981	131441
UN17386	Rsa1.0.04794.1	874	15960	0	384	393	97 -	9	397	7004	7395
UN17387	Rsa1.0.00397.1	874	88189	0	532	536	99 +	10	545	7409	7944
UN17388	Rsa1.0.06968.1	1513	10090	0	704	741	95 +	1	740	7686	8421
UN17389	Rsa1.0.00040.1	1922	324196	0	332	333	99 -	1	333	315220	315552
UN17390	Rsa1.0.00171.1	1471	115622	1.00E-140	276	282	97 +	12	293	90858	91138
UN17391	Rsa1.0.00336.1	1930	445051	0	482	484	99 +	876	1359	134298	134781
UN17392	Rsa1.0.03149.1	1753	24983	0	1392	1436	96 +	306	1734	13791	15224

UN17393	Rsa1.0.03634.1	1973	145192	0	370	384	96 -	1593	1972	133526	133901
UN17394	Rsa1.0.03887.1	1253	20247	0	379	394	96 +	861	1251	4347	4740
UN17395	Rsa1.0.00301.1	1228	365315	0	608	617	98 +	612	1228	304665	305281
UN17396	Rsa1.0.00476.1	803	280966	1.00E-144	272	275	98 +	530	803	242668	242942
UN17397	Rsa1.0.00179.1	905	393324	0	423	437	96 -	456	892	196266	196702
UN17398	Rsa1.0.03491.1	678	22541	1.00E-115	406	471	86 +	105	575	9065	9535
UN17399	Rsa1.0.01773.1	933	39546	0	392	397	98 -	535	931	27322	27718
UN17400	Rsa1.0.01513.1	1020	44234	0	534	561	95 +	6	556	28412	28969
UN17401	Rsa1.0.00923.1	1768	153678	1.00E-155	294	299	98 +	301	599	53741	54039
UN17402	Rsa1.0.01963.1	884	36719	0	641	651	98 +	5	655	5467	6117
UN17403	Rsa1.0.00101.1	992	267193	1.00E-152	273	273	100 +	7	279	131428	131700
UN17404	Rsa1.0.03163.1	1304	24894	0	487	502	97 +	801	1301	22793	23294
UN17405	Rsa1.0.03713.1	845	21221	0	433	447	96 -	401	845	10458	10904
UN17406	Rsa1.0.00123.1	642	325650	0	570	597	95 -	45	641	168363	168957
UN17407	Rsa1.0.17886.1	1717	1718	0	758	804	94 +	914	1715	1	794
UN17408	Rsa1.0.02215.1	1361	33822	1.00E-160	323	334	96 -	505	836	27167	27500
UN17409	Rsa1.0.00418.1	1069	215377	1.00E-107	257	270	95 +	807	1069	45045	45312
UN17410	Rsa1.0.00805.1	1447	63724	0	435	437	99 -	1011	1447	6952	7388
UN17411	Rsa1.0.00019.1	752	301669	1.00E-175	400	428	93 +	12	437	293080	293498
UN17412	Rsa1.0.00113.1	1252	131574	0	742	779	95 +	484	1252	52836	53613
UN17413	Rsa1.0.00270.1	528	101236	0	514	531	96 +	3	528	69420	69947
UN17414	Rsa1.0.01397.1	1319	183276	1.00E-167	332	341	97 -	3	343	175579	175916
UN17415	Rsa1.0.02228.1	1317	33688	0	384	384	100 +	1	384	10171	10554
UN17416	Rsa1.0.02029.1	1400	35857	0	579	581	99 +	819	1398	16287	16867
UN17417	Rsa1.0.15018.1	825	2889	1.00E-145	283	290	97 +	331	620	2384	2673
UN17418	Rsa1.0.02092.1	1077	35135	0	801	823	97 -	1	819	27152	27974
UN17419	Rsa1.0.01384.1	604	46803	1.00E-109	222	228	97 -	4	230	33810	34037
UN17420	Rsa1.0.00875.1	855	61371	0	809	853	94 -	3	855	6927	7779
UN17421	Rsa1.0.00848.1	955	152362	0	801	807	99 +	1	807	48987	49792
UN17422	Rsa1.0.04612.1	1236	16647	1.00E-164	305	309	98 +	667	975	14693	15001
UN17423	Rsa1.0.02683.1	1479	28679	1.00E-180	383	399	95 +	1076	1471	16865	17261
UN17424	Rsa1.0.03741.1	994	143933	0	591	605	97 +	391	994	4881	5484
UN17425	Rsa1.0.01737.1	731	40101	1.00E-141	254	254	100 +	476	729	17336	17589
UN17426	Rsa1.0.01310.1	1066	164719	1.00E-150	286	290	98 -	1	290	13319	13607
UN17427	Rsa1.0.00477.1	1342	81556	1.00E-139	300	312	96 +	1	310	10538	10848
UN17428	Rsa1.0.04630.1	743	16595	1.00E-141	385	423	91 +	1	402	14481	14895
UN17429	Rsa1.0.01326.1	755	48072	1.00E-158	391	421	92 -	335	754	43752	44166
UN17430	Rsa1.0.04511.1	1233	17032	1.00E-130	237	237	100 -	664	900	8958	9194
UN17431	Rsa1.0.01884.1	996	37659	0	717	738	97 -	1	738	17512	18249

UN17432	Rsa1.0.00856.1	1327	62037	2.00E-83	216	232	93 +	1015	1243	16952	17176
UN17433	Rsa1.0.12809.1	995	5119	0	457	458	99 -	1	457	4445	4902
UN17434	Rsa1.0.04238.1	1166	18352	1.00E-172	326	331	98 +	837	1166	2706	3036
UN17435	Rsa1.0.00583.1	843	74309	1.00E-141	327	346	94 -	502	841	68420	68762
UN17436	Rsa1.0.00231.1	1387	105381	1.00E-171	345	357	96 +	1	356	29946	30302
UN17437	Rsa1.0.02688.1	807	28644	0	513	519	98 +	292	807	26861	27379
UN17438	Rsa1.0.00017.1	1888	752458	1.00E-165	301	303	99 -	568	870	686521	686823
UN17439	Rsa1.0.00049.1	604	167018	7.00E-66	151	158	95 -	3	157	80313	80470
UN17440	Rsa1.0.00188.1	1339	112020	0	479	518	92 +	372	889	24708	25224
UN17441	Rsa1.0.00281.1	889	99908	0	414	439	94 -	461	889	24104	24539
UN17442	Rsa1.0.02400.1	635	31750	0	598	632	94 -	3	633	12369	12988
UN17443	Rsa1.0.07536.1	1113	9178	0	401	424	94 +	1	416	6471	6893
UN17444	Rsa1.0.08388.1	971	7436	0	558	576	96 -	404	971	2994	3563
UN17445	Rsa1.0.00197.1	863	109714	0	615	625	98 +	1	625	87932	88556
UN17446	Rsa1.0.02895.1	816	26979	1.00E-128	253	259	97 -	1	257	11384	11642
UN17447	Rsa1.0.03853.1	841	20447	1.00E-173	339	348	97 +	3	350	13326	13672
UN17448	Rsa1.0.00178.1	2004	114861	0	1118	1137	98 +	867	2002	26941	28077
UN17449	Rsa1.0.00679.1	800	68971	7.00E-76	151	153	98 -	564	716	65948	66100
UN17450	Rsa1.0.00476.1	1178	280966	1.00E-142	342	372	91 -	60	429	7043	7397
UN17451	Rsa1.0.01783.1	870	39383	1.00E-129	269	279	96 +	1	278	12978	13256
UN17452	Rsa1.0.06306.1	1087	11266	0	533	535	99 -	19	553	4950	5484
UN17453	Rsa1.0.00472.1	420	398134	1.00E-122	223	223	100 -	1	223	163465	163687
UN17454	Rsa1.0.02365.1	1009	32118	0	431	442	97 -	1	440	12194	12628
UN17455	Rsa1.0.00126.1	786	127534	1.00E-163	310	316	98 +	345	660	37046	37361
UN17456	Rsa1.0.02398.1	618	31766	1.00E-115	260	273	95 -	9	281	5418	5686
UN17457	Rsa1.0.00326.1	1075	171955	1.00E-127	263	271	97 -	807	1075	28314	28583
UN17458	Rsa1.0.01431.1	854	167877	1.00E-169	311	313	99 +	539	850	157684	157996
UN17459	Rsa1.0.02281.1	962	292576	1.00E-129	237	238	99 -	476	713	263640	263877
UN17460	Rsa1.0.04107.1	1158	19007	0	378	388	97 -	775	1158	6895	7282
UN17461	Rsa1.0.00065.1	1452	454616	0	602	634	94 +	1	628	26082	26712
UN17462	Rsa1.0.00190.1	1581	318240	0	590	595	99 -	821	1415	14943	15537
UN17463	Rsa1.0.00546.1	702	76523	0	505	506	99 -	1	506	11381	11886
UN17464	Rsa1.0.00463.1	888	189177	1.00E-152	292	297	98 +	589	884	181422	181718
UN17465	Rsa1.0.00557.1	759	75865	0	510	523	97 +	205	725	69508	70030
UN17466	Rsa1.0.01180.1	1172	51517	0	423	447	94 -	731	1172	32258	32704
UN17467	Rsa1.0.00291.1	977	172129	0	451	456	98 +	1	453	64277	64732
UN17468	Rsa1.0.00017.1	1694	752458	0	328	328	100 -	1329	1656	272081	272408
UN17469	Rsa1.0.01005.1	666	56967	0	608	640	95 -	1	637	37403	38029
UN17470	Rsa1.0.00002.1	835	601661	0	497	513	96 -	260	768	28847	29359

UN17471	Rsa1.0.03521.1	776	396204	0	494	515	95 +	266	776	269243	269756
UN17472	Rsa1.0.03356.1	936	23487	1.00E-155	323	338	95 +	477	814	20820	21157
UN17473	Rsa1.0.02246.1	2405	33435	0	1417	1472	96 +	944	2405	8242	9705
UN17474	Rsa1.0.01047.1	1207	55705	0	375	383	97 +	753	1135	2010	2392
UN17475	Rsa1.0.01218.1	745	50536	0	719	743	96 +	3	743	20143	20874
UN17476	Rsa1.0.00277.1	1831	100132	0	573	579	98 -	1	579	50424	50999
UN17477	Rsa1.0.00960.1	787	58199	1.00E-141	343	368	93 -	3	364	14176	14542
UN17478	Rsa1.0.00593.1	1048	143463	1.00E-145	329	352	93 -	662	1012	56991	57332
UN17479	Rsa1.0.02750.1	2114	28239	1.00E-107	242	253	95 -	1707	1956	25641	25892
UN17480	Rsa1.0.00019.1	1119	301669	0	423	436	97 +	685	1119	233346	233777
UN17481	Rsa1.0.08867.1	1334	6843	0	1184	1196	98 +	137	1332	1	1196
UN17482	Rsa1.0.00426.1	840	85668	2.00E-82	254	285	89 +	25	308	32312	32577
UN17483	Rsa1.0.00039.1	1873	296927	1.00E-149	281	284	98 +	1	284	47162	47443
UN17484	Rsa1.0.01397.1	904	183276	2.00E-57	120	122	98 +	253	374	173954	174075
UN17485	Rsa1.0.16832.1	1577	2019	1.00E-148	290	298	97 +	1280	1577	122	419
UN17486	Rsa1.0.00097.1	750	138858	0	359	366	98 +	1	366	26228	26593
UN17487	Rsa1.0.00060.1	1078	502678	0	426	436	97 +	644	1078	398264	398697
UN17488	Rsa1.0.04371.1	1028	17700	1.00E-140	300	315	95 -	68	382	2476	2787
UN17489	Rsa1.0.00526.1	918	169279	0	585	600	97 +	1	596	126177	126774
UN17490	Rsa1.0.00948.1	760	58620	1.00E-173	318	320	99 -	442	760	49928	50247
UN17491	Rsa1.0.00002.1	1052	601661	0	518	527	98 -	127	653	28644	29170
UN17492	Rsa1.0.00121.1	949	278029	9.00E-91	199	206	96 -	745	948	104309	104514
UN17493	Rsa1.0.00280.1	2022	99966	0	821	926	88 +	719	1644	28824	29749
UN17494	Rsa1.0.05863.1	818	12388	0	358	361	99 -	458	818	7089	7449
UN17495	Rsa1.0.03581.1	873	21965	0	664	690	96 -	3	692	1557	2229
UN17496	Rsa1.0.00067.1	972	415055	1.00E-126	268	281	95 +	211	491	226623	226903
UN17497	Rsa1.0.00821.1	1499	62891	0	351	352	99 -	1146	1496	48968	49319
UN17498	Rsa1.0.01543.1	1181	43645	0	567	619	91 -	397	1009	24990	25584
UN17499	Rsa1.0.00269.1	924	341668	0	353	359	98 +	566	924	45769	46123
UN17500	Rsa1.0.00037.1	1109	307838	0	717	736	97 +	1	736	293287	294022
UN17501	Rsa1.0.04140.1	1335	18879	1.00E-106	211	216	97 +	329	544	7286	7501
UN17502	Rsa1.0.03956.1	685	19872	0	348	348	100 -	332	679	16185	16532
UN17503	Rsa1.0.00013.1	970	292129	1.00E-177	315	315	100 -	656	970	204483	204797
UN17504	Rsa1.0.12642.1	1552	5165	0	491	506	97 -	215	720	18	523
UN17505	Rsa1.0.00173.1	904	288743	0	459	463	99 -	443	904	83946	84408
UN17506	Rsa1.0.01228.1	644	50238	6.00E-91	217	233	93 -	412	644	21404	21625
UN17507	Rsa1.0.05321.1	879	14154	1.00E-129	237	238	99 +	237	474	399	636
UN17508	Rsa1.0.01895.1	964	37512	0	385	386	99 -	2	387	10218	10603
UN17509	Rsa1.0.01076.1	1396	54835	0	542	542	100 +	534	1075	44925	45466

UN17510	Rsa1.0.02158.1	1518	154841	0	534	536	99 +	182	717	131881	132416
UN17511	Rsa1.0.02964.1	788	26407	3.00E-90	211	225	93 +	190	414	19004	19228
UN17512	Rsa1.0.00958.1	1891	58243	0	1247	1263	98 -	346	1608	2102	3364
UN17513	Rsa1.0.00092.1	1297	659932	1.00E-177	330	335	98 +	246	580	13028	13362
UN17514	Rsa1.0.00042.1	1414	171507	0	901	915	98 +	506	1414	161589	162503
UN17515	Rsa1.0.13498.1	1193	4764	0	417	435	95 -	1	434	1593	2024
UN17516	Rsa1.0.01026.1	1210	171624	1.00E-114	308	339	90 -	1	330	31953	32291
UN17517	Rsa1.0.05653.1	604	13043	0	572	604	94 -	1	601	10806	11405
UN17518	Rsa1.0.19257.1	712	1455	1.00E-159	366	392	93 +	319	710	108	487
UN17519	Rsa1.0.03605.1	759	21827	0	427	429	99 +	331	759	20342	20768
UN17520	Rsa1.0.00799.1	1501	63918	0	1364	1391	98 +	75	1455	38059	39447
UN17521	Rsa1.0.00055.1	709	520193	1.00E-124	253	260	97 +	450	709	202154	202409
UN17522	Rsa1.0.00251.1	799	303968	1.00E-173	359	373	96 -	1	372	147121	147488
UN17523	Rsa1.0.06336.1	910	11215	0	648	659	98 +	246	904	6954	7611
UN17524	Rsa1.0.00353.1	974	92242	3.00E-97	216	224	96 -	751	973	55708	55928
UN17525	Rsa1.0.01939.1	956	37124	0	364	375	97 -	1	375	33165	33533
UN17526	Rsa1.0.01419.1	1045	167402	0	813	833	97 -	215	1045	6718	7548
UN17527	Rsa1.0.02000.1	1300	36210	1.00E-155	282	283	99 -	1	283	4950	5232
UN17528	Rsa1.0.04358.1	1713	17759	0	1685	1720	97 -	3	1713	10290	12001
UN17529	Rsa1.0.00070.1	1987	150321	0	539	557	96 +	961	1513	115433	115989
UN17530	Rsa1.0.01069.1	814	55113	0	419	430	97 -	386	814	17637	18064
UN17531	Rsa1.0.07516.1	772	9218	0	758	763	99 +	1	762	6344	7105
UN17532	Rsa1.0.05124.1	1177	14790	1.00E-129	235	235	100 +	420	654	2110	2344
UN17533	Rsa1.0.02859.1	356	162118	1.00E-156	339	358	94 -	1	356	154282	154639
UN17534	Rsa1.0.06303.1	982	11268	1.00E-117	238	246	96 +	529	774	9882	10127
UN17535	Rsa1.0.02253.1	1351	33356	0	438	459	95 -	5	457	11611	12065
UN17536	Rsa1.0.14855.1	1198	3011	0	772	787	98 +	1	785	1172	1958
UN17537	Rsa1.0.01414.1	901	149508	0	349	352	99 -	9	360	115743	116094
UN17538	Rsa1.0.00008.1	821	358124	0	359	365	98 +	180	544	85289	85653
UN17539	Rsa1.0.00646.1	1183	70473	0	906	933	97 -	80	1009	4443	5375
UN17540	Rsa1.0.00163.1	1513	116847	0	1512	1513	99 +	1	1513	48101	49613
UN17541	Rsa1.0.03482.1	1004	22625	1.00E-178	361	374	96 +	2	372	4778	5150
UN17542	Rsa1.0.00067.1	1126	415055	1.00E-133	271	281	96 -	367	647	226623	226903
UN17543	Rsa1.0.01482.1	1072	44855	0	504	540	93 +	3	525	15512	16044
UN17544	Rsa1.0.01884.1	670	37659	0	408	415	98 -	72	486	17511	17925
UN17545	Rsa1.0.02490.1	1222	30885	0	342	348	98 -	439	786	5982	6329
UN17546	Rsa1.0.00293.1	1259	339294	0	674	676	99 +	54	729	177088	177763
UN17547	Rsa1.0.06123.1	901	11681	1.00E-102	189	189	100 +	3	191	11241	11429
UN17548	Rsa1.0.00153.1	772	192931	1.00E-108	229	236	97 +	538	772	168694	168928

UN17549	Rsa1.0.00472.1	545	398134	1.00E-150	269	269	100 -	208	476	162878	163146
UN17550	Rsa1.0.04194.1	1627	132734	0	636	683	93 -	953	1625	116870	117544
UN17551	Rsa1.0.00077.1	791	145005	0	502	506	99 +	286	791	82456	82959
UN17552	Rsa1.0.07250.1	920	9663	0	907	919	98 +	1	918	5357	6273
UN17553	Rsa1.0.00713.1	1481	158017	0	513	515	99 +	56	570	19379	19893
UN17554	Rsa1.0.03831.1	1036	20579	2.00E-98	267	292	91 -	760	1035	18129	18420
UN17555	Rsa1.0.02085.1	710	35198	1.00E-116	252	263	95 +	4	266	15843	16097
UN17556	Rsa1.0.00289.1	1367	98620	1.00E-123	254	264	96 +	48	311	12905	13168
UN17557	Rsa1.0.09661.1	834	6226	1.00E-141	264	267	98 +	568	834	1	267
UN17558	Rsa1.0.00651.1	948	247766	0	357	365	97 +	552	915	231957	232321
UN17559	Rsa1.0.00108.1	1116	478491	0	348	349	99 -	738	1085	134108	134456
UN17560	Rsa1.0.00067.1	1009	415055	0	341	343	99 +	667	1009	227217	227559
UN17561	Rsa1.0.03439.1	846	22930	0	767	767	100 +	80	846	14985	15751
UN17562	Rsa1.0.01362.1	992	47217	1.00E-124	252	259	97 -	695	953	28906	29163
UN17563	Rsa1.0.00251.1	775	303968	1.00E-149	297	306	97 +	423	725	147121	147426
UN17564	Rsa1.0.00089.1	1618	406142	0	984	1007	97 -	613	1618	322151	323152
UN17565	Rsa1.0.05311.1	814	14181	1.00E-163	330	340	97 -	4	342	3429	3767
UN17566	Rsa1.0.01039.1	1470	55946	0	395	399	98 +	3	401	37258	37653
UN17567	Rsa1.0.02688.1	780	28644	0	516	534	96 +	247	780	26861	27390
UN17568	Rsa1.0.07706.1	764	8752	0	592	600	98 -	165	764	8153	8752
UN17569	Rsa1.0.29951.1	1835	767	0	644	666	96 +	1175	1835	1	666
UN17570	Rsa1.0.01512.1	845	44234	1.00E-141	296	310	95 +	536	845	9997	10306
UN17571	Rsa1.0.00131.1	844	432233	1.00E-137	297	310	95 +	540	844	96212	96517
UN17572	Rsa1.0.00789.1	826	64233	1.00E-105	200	202	99 +	428	629	52566	52767
UN17573	Rsa1.0.00019.1	723	301669	2.00E-72	160	167	95 -	308	474	113991	114157
UN17574	Rsa1.0.03077.1	932	25558	1.00E-74	185	195	94 -	736	929	6795	6987
UN17575	Rsa1.0.01674.1	855	168300	0	507	523	96 +	335	855	19673	20190
UN17576	Rsa1.0.00786.1	1584	64285	0	389	391	99 +	1	390	52320	52710
UN17577	Rsa1.0.03965.1	1237	19828	0	518	534	97 -	699	1232	1289	1810
UN17578	Rsa1.0.00069.1	851	403561	0	489	511	95 +	5	515	353538	354037
UN17579	Rsa1.0.00331.1	1358	176754	0	868	887	97 -	474	1358	22206	23092
UN17580	Rsa1.0.03951.1	593	19894	1.00E-134	287	302	95 -	256	557	10099	10400
UN17581	Rsa1.0.02467.1	670	31141	1.00E-113	273	291	93 +	382	670	3808	4091
UN17582	Rsa1.0.00002.1	291	601661	4.00E-56	146	156	93 +	3	158	245979	246129
UN17583	Rsa1.0.00407.1	786	191544	0	718	756	94 -	35	784	155490	156225
UN17584	Rsa1.0.09422.1	775	6381	0	619	640	96 +	131	769	1654	2293
UN17585	Rsa1.0.00316.1	1272	96264	0	496	509	97 -	4	512	85542	86050
UN17586	Rsa1.0.01176.1	591	51638	0	395	405	97 -	1	402	28134	28538
UN17587	Rsa1.0.00094.1	782	139042	1.00E-138	312	334	93 -	3	323	99912	100245

UN17588	Rsa1.0.00870.1	975	61606	0	377	380	99 +	2	381	27510	27889
UN17589	Rsa1.0.03625.1	1689	21692	0	731	742	98 +	948	1689	14698	15436
UN17590	Rsa1.0.02267.1	893	33194	0	479	483	99 -	411	893	22282	22764
UN17591	Rsa1.0.01505.1	556	44382	1.00E-171	305	305	100 +	252	556	38967	39271
UN17592	Rsa1.0.01482.1	1047	44855	0	426	440	96 +	608	1047	16982	17414
UN17593	Rsa1.0.00524.1	960	169613	0	483	497	97 +	465	960	129773	130269
UN17594	Rsa1.0.00910.1	671	59975	0	585	586	99 -	1	586	30391	30976
UN17595	Rsa1.0.01977.1	1169	36559	1.00E-111	254	269	94 -	901	1169	9566	9833
UN17596	Rsa1.0.03254.1	999	24311	1.00E-159	292	293	99 +	1	293	2867	3158
UN17597	Rsa1.0.00008.1	839	358124	0	435	456	95 -	222	674	53991	54446
UN17598	Rsa1.0.00104.1	785	368722	0	390	393	99 +	394	785	265144	265536
UN17599	Rsa1.0.00068.1	682	151813	0	427	438	97 +	248	680	73640	74076
UN17600	Rsa1.0.05523.1	864	13438	0	709	713	99 -	152	864	9079	9791
UN17601	Rsa1.0.00752.1	603	65756	1.00E-129	322	345	93 +	3	342	12935	13277
UN17602	Rsa1.0.00108.1	1049	478491	1.00E-126	317	350	90 +	31	359	134108	134456
UN17603	Rsa1.0.02246.1	1305	33435	0	590	599	98 +	708	1305	7690	8288
UN17604	Rsa1.0.00427.1	1346	189678	1.00E-161	330	342	96 -	1009	1345	11818	12159
UN17605	Rsa1.0.09599.1	1231	6260	0	720	725	99 +	1	725	4431	5152
UN17606	Rsa1.0.00179.1	886	393324	1.00E-92	224	237	94 +	1	235	214015	214250
UN17607	Rsa1.0.00240.1	836	104175	0	515	538	95 -	5	541	92181	92715
UN17608	Rsa1.0.01068.1	1425	55208	0	480	493	97 +	934	1425	9670	10153
UN17609	Rsa1.0.01751.1	606	39806	1.00E-120	274	290	94 -	314	603	30348	30634
UN17610	Rsa1.0.00363.1	598	90968	1.00E-103	224	235	95 +	3	237	28268	28502
UN17611	Rsa1.0.00071.1	569	345714	0	459	479	95 +	1	478	336508	336985
UN17612	Rsa1.0.02750.1	841	28239	1.00E-101	253	270	93 +	1	266	25624	25892
UN17613	Rsa1.0.03028.1	779	25872	4.00E-71	143	145	98 -	142	286	21997	22141
UN17614	Rsa1.0.00923.1	863	153678	0	684	722	94 -	4	699	45727	46448
UN17615	Rsa1.0.01078.1	961	316910	0	941	971	96 +	1	961	136904	137871
UN17616	Rsa1.0.00646.1	601	70473	0	412	425	96 +	177	601	4452	4876
UN17617	Rsa1.0.02601.1	864	29654	0	386	403	95 +	462	863	26835	27237
UN17618	Rsa1.0.00300.1	1307	97747	0	633	636	99 +	292	927	31675	32310
UN17619	Rsa1.0.00451.1	2381	322533	0	1187	1193	99 -	1189	2381	9181	10373
UN17620	Rsa1.0.01377.1	834	46967	0	605	646	93 +	1	643	10023	10647
UN17621	Rsa1.0.03141.1	991	25061	0	399	415	96 +	3	413	15103	15517
UN17622	Rsa1.0.02158.1	765	154841	0	520	536	97 +	169	704	131881	132416
UN17623	Rsa1.0.15420.1	902	2614	1.00E-169	331	341	97 -	408	748	1557	1897
UN17624	Rsa1.0.00162.1	506	239935	1.00E-176	362	377	96 -	1	377	12315	12685
UN17625	Rsa1.0.00833.1	864	62621	1.00E-153	358	383	93 -	1	382	46926	47297
UN17626	Rsa1.0.00143.1	772	121313	0	704	718	98 +	3	715	30988	31705

UN17627	Rsa1.0.02396.1	1250	31783	1.00E-149	319	335	95 -	1	335	27105	27431
UN17628	Rsa1.0.01403.1	762	46453	5.00E-92	181	184	98 +	217	400	25846	26029
UN17629	Rsa1.0.02399.1	1652	31763	1.00E-141	287	295	97 -	1355	1643	14145	14438
UN17630	Rsa1.0.00816.1	1196	403350	0	563	573	98 +	5	577	132495	133066
UN17631	Rsa1.0_10348.1	1187	5880	1.00E-131	254	258	98 -	930	1187	478	734
UN17632	Rsa1.0_01146.1	1250	163455	0	878	890	98 -	360	1248	152929	153818
UN17633	Rsa1.0.04377.1	1046	17658	0	931	944	98 +	104	1046	5220	6160
UN17634	Rsa1.0.55790.1	539	410	1.00E-143	282	290	97 +	162	451	1	290
UN17635	Rsa1.0.02362.1	711	32190	2.33E-156	379	410	92 -	296	696	24739	25145
UN17636	Rsa1.0.04729.1	1000	16201	1.00E-133	248	249	99 +	3	251	11808	12055
UN17637	Rsa1.0.00323.1	1028	159650	0	441	442	99 -	587	1028	11013	11454
UN17638	Rsa1.0.02719.1	990	28428	0	706	730	96 +	262	990	9837	10554
UN17639	Rsa1.0.00228.1	1264	105511	0	1213	1228	98 +	3	1229	97601	98827
UN17640	Rsa1.0.00331.1	1492	176754	0	976	1013	96 -	482	1487	22081	23092
UN17641	Rsa1.0.00385.1	1331	89160	0	465	466	99 +	867	1331	15758	16223
UN17642	Rsa1.0.03069.1	1352	25615	0	549	564	97 -	398	960	18568	19131
UN17643	Rsa1.0.00744.1	644	66084	1.00E-124	258	268	96 +	5	269	18774	19041
UN17644	Rsa1.0.00295.1	1394	152597	0	457	458	99 -	1	458	87629	88086
UN17645	Rsa1.0.00119.1	650	467509	0	494	510	96 -	1	510	374988	375497
UN17646	Rsa1.0.00407.1	697	191544	0	437	451	96 -	44	493	182904	183344
UN17647	Rsa1.0_54025.1	957	422	0	411	422	97 +	244	662	1	422
UN17648	Rsa1.0.00449.1	1210	83863	0	391	395	98 -	806	1200	54568	54962
UN17649	Rsa1.0_15420.1	1763	2614	0	549	567	96 +	823	1389	1334	1900
UN17650	Rsa1.0_01180.1	1203	51517	0	460	465	98 -	741	1202	32240	32704
UN17651	Rsa1.0_01084.1	1523	54605	0	438	443	98 +	1079	1521	18255	18694
UN17652	Rsa1.0.00733.1	1130	66583	0	652	662	98 -	53	714	59548	60209
UN17653	Rsa1.0.00651.1	951	247766	0	364	365	99 -	29	393	231957	232321
UN17654	Rsa1.0.09200.1	941	6562	0	399	402	99 -	540	941	5913	6313
UN17655	Rsa1.0.00128.1	806	228675	3.00E-50	111	114	97 -	693	806	218103	218216
UN17656	Rsa1.0.01513.1	1028	44234	0	548	561	97 -	464	1024	28412	28969
UN17657	Rsa1.0.01696.1	1872	301850	0	844	861	98 +	925	1785	279164	280024
UN17658	Rsa1.0.00739.1	950	66155	1.00E-150	328	342	95 -	607	948	51979	52316
UN17659	Rsa1.0.01696.1	1145	301850	6.00E-77	200	213	93 +	934	1144	293478	293686
UN17660	Rsa1.0.00603.1	861	73299	0	703	718	97 -	7	724	42400	43117
UN17661	Rsa1.0.03077.1	1024	25558	1.00E-117	271	286	94 +	1	285	6704	6987
UN17662	Rsa1.0.03120.1	972	25269	2.33E-156	298	309	96 -	1	309	22032	22337
UN17663	Rsa1.0.01536.1	909	43747	0	620	622	99 +	1	622	18728	19349
UN17664	Rsa1.0.01389.1	1534	46716	0	383	399	95 +	182	575	27804	28202
UN17665	Rsa1.0_00391.1	975	183853	0	391	400	97 +	3	396	72481	72880

UN17666	Rsa1.0_01076.1	1058	54835	1.00E-179	355	363	97 -	11	370	39978	40340
UN17667	Rsa1.0_02405.1	832	31692	0	362	362	100 -	469	830	17022	17383
UN17668	Rsa1.0_03101.1	734	25410	0	561	568	98 +	3	570	17206	17773
UN17669	Rsa1.0_00237.1	884	235974	1.00E-159	284	284	100 -	599	882	4688	4971
UN17670	Rsa1.0_07506.1	775	9233	0	533	535	99 +	6	539	2669	3203
UN17671	Rsa1.0_00316.1	1252	96264	0	537	540	99 -	706	1245	83816	84355
UN17672	Rsa1.0_00472.1	671	398134	0	397	402	98 +	3	404	162745	163146
UN17673	Rsa1.0_02097.1	1395	35036	1.00E-174	310	310	100 -	1	310	19172	19481
UN17674	Rsa1.0_03831.1	1155	20579	1.00E-160	292	294	99 +	3	296	18127	18420
UN17675	Rsa1.0_00640.1	1225	70979	0	1200	1225	97 +	1	1225	16846	18067
UN17676	Rsa1.0_02144.1	1787	34630	0	678	690	98 -	78	766	2872	3558
UN17677	Rsa1.0_06648.1	911	10603	0	372	385	96 -	527	911	4432	4814
UN17678	Rsa1.0_00855.1	1355	62047	0	791	839	94 +	524	1355	22692	23522
UN17679	Rsa1.0_00622.1	822	71822	0	802	819	97 +	6	822	23241	24055
UN17680	Rsa1.0_01414.1	892	149508	1.00E-160	340	353	96 +	544	890	115743	116095
UN17681	Rsa1.0_00360.1	1289	91190	0	515	532	96 -	183	712	49756	50287
UN17682	Rsa1.0_00113.1	793	131574	1.00E-168	299	299	100 +	3	301	59749	60047
UN17683	Rsa1.0_02000.1	909	36210	1.00E-116	281	302	93 -	3	295	4950	5251
UN17684	Rsa1.0_00239.1	808	104332	1.00E-142	281	289	97 -	329	617	28438	28726
UN17685	Rsa1.0_04779.1	947	16008	1.00E-110	279	298	93 +	10	305	9472	9765
UN17686	Rsa1.0_05847.1	1465	12433	0	524	535	97 +	931	1464	8210	8743
UN17687	Rsa1.0_00139.1	897	357786	0	885	894	98 -	2	894	148941	149834
UN17688	Rsa1.0_00480.1	934	81325	0	461	468	98 +	1	468	30781	31248
UN17689	Rsa1.0_00729.1	712	66690	0	697	713	97 -	1	712	56546	57252
UN17690	Rsa1.0_00078.1	1354	175053	0	544	550	98 -	804	1353	130154	130703
UN17691	Rsa1.0_00092.1	990	659932	0	362	363	99 +	628	990	234653	235015
UN17692	Rsa1.0_01553.1	1065	43379	0	652	665	98 -	3	665	2337	3001
UN17693	Rsa1.0_00730.1	806	66673	0	413	423	97 +	2	422	28287	28709
UN17694	Rsa1.0_00717.1	904	67051	0	449	463	96 -	3	463	8485	8945
UN17695	Rsa1.0_03303.1	1129	23890	0	645	663	97 +	1	661	9589	10250
UN17696	Rsa1.0_00525.1	1328	78030	1.00E-151	274	275	99 -	875	1149	25800	26074
UN17697	Rsa1.0_00348.1	892	92818	0	424	437	97 +	2	436	49598	50033
UN17698	Rsa1.0_03834.1	607	20572	1.00E-166	370	391	94 -	228	606	17625	18013
UN17699	Rsa1.0_00753.1	1232	65705	0	368	373	98 -	3	374	1957	2329
UN17700	Rsa1.0_01743.1	692	39926	1.00E-177	328	331	99 +	362	692	12660	12989
UN17701	Rsa1.0_00635.1	925	175826	0	403	424	95 -	503	921	13997	14407
UN17702	Rsa1.0_00382.1	2220	251946	0	622	674	92 -	900	1561	34180	34848
UN17703	Rsa1.0_00239.1	809	104332	1.00E-152	285	289	98 +	196	484	28438	28726
UN17704	Rsa1.0_49554.1	1231	458	0	424	425	99 -	807	1231	26	450

UN17705	Rsa1.0_04200.1	934	18490	0	392	402	97 +	1	401	768	1169
UN17706	Rsa1.0_01126.1	914	53127	1.00E-162	308	313	98 -	604	914	14941	15253
UN17707	Rsa1.0_02685.1	784	28669	0	386	389	99 -	393	781	27822	28210
UN17708	Rsa1.0_02431.1	923	31504	0	485	502	96 -	396	895	17432	17922
UN17709	Rsa1.0_00121.1	1875	278029	0	547	547	100 -	1329	1875	9593	10139
UN17710	Rsa1.0_00485.1	1673	80937	0	860	883	97 -	8	890	71868	72738
UN17711	Rsa1.0_01293.1	1304	49139	0	604	623	96 +	1	611	34534	35155
UN17712	Rsa1.0_02185.1	1266	34150	0	422	436	96 +	36	469	20599	21034
UN17713	Rsa1.0_02429.1	1004	31527	1.00E-154	319	332	96 +	676	1004	12869	13197
UN17714	Rsa1.0_03543.1	1720	22185	0	430	437	98 -	1269	1705	1769	2205
UN17715	Rsa1.0_01209.1	1053	50668	1.00E-173	351	364	96 -	10	366	40043	40406
UN17716	Rsa1.0_00342.1	1359	93695	4.00E-97	268	298	89 -	1	297	1568	1848
UN17717	Rsa1.0_00024.1	1453	188018	1.00E-123	253	259	97 -	4	258	108783	109040
UN17718	Rsa1.0_05043.1	800	15044	1.00E-180	355	364	97 +	438	798	332	691
UN17719	Rsa1.0_03069.1	1354	25615	0	559	564	99 +	414	977	18568	19131
UN17720	Rsa1.0_02964.1	1519	26407	1.00E-154	326	339	96 -	2	340	20559	20893
UN17721	Rsa1.0_03623.1	841	21714	0	528	535	98 -	308	841	3269	3803
UN17722	Rsa1.0_01004.1	720	56975	0	352	355	99 -	364	718	16989	17342
UN17723	Rsa1.0_00277.1	1411	100132	0	768	778	98 -	558	1335	62070	62846
UN17724	Rsa1.0_00141.1	792	121494	1.00E-169	367	388	94 +	409	792	20677	21051
UN17725	Rsa1.0_08259.1	819	7641	1.00E-171	350	360	97 -	8	367	3089	3443
UN17726	Rsa1.0_00792.1	2073	64163	0	655	665	98 -	1281	1945	3157	3821
UN17727	Rsa1.0_04518.1	1829	17005	0	525	536	97 -	610	1145	11675	12209
UN17728	Rsa1.0_00744.1	669	66084	1.00E-131	274	284	96 +	4	284	18759	19041
UN17729	Rsa1.0_04238.1	1100	18352	1.00E-108	254	268	94 -	1	266	2706	2972
UN17730	Rsa1.0_03247.1	719	24371	0	708	719	98 +	1	719	11700	12418
UN17731	Rsa1.0_24929.1	718	960	1.00E-141	281	290	96 +	54	343	159	448
UN17732	Rsa1.0_00224.1	1286	327530	1.00E-180	332	336	98 +	29	364	204804	205139
UN17733	Rsa1.0_00175.1	1325	166121	0	685	690	99 +	621	1309	140783	141471
UN17734	Rsa1.0_01707.1	416	40686	0	384	388	98 +	1	387	25316	25703
UN17735	Rsa1.0_02606.1	980	29635	0	382	387	98 +	252	637	14421	14807
UN17736	Rsa1.0_01776.1	1236	39511	0	361	371	97 +	42	410	35159	35529
UN17737	Rsa1.0_08717.1	929	7008	0	603	606	99 -	2	607	2884	3489
UN17738	Rsa1.0_04104.1	575	19043	0	548	574	95 -	8	574	4942	5515
UN17739	Rsa1.0_03634.1	755	145192	3.00E-90	175	177	98 -	321	497	136040	136216
UN17740	Rsa1.0_09406.1	1153	6391	1.00E-145	288	293	98 +	700	990	6100	6391
UN17741	Rsa1.0_00125.1	493	253043	5.00E-94	187	191	97 +	1	191	190793	190983
UN17742	Rsa1.0_16978.1	1138	1964	1.00E-141	305	319	95 -	1	319	1215	1527
UN17743	Rsa1.0_01049.1	770	55655	1.00E-116	235	241	97 +	7	246	33850	34090

UN17744	Rsa1.0.00017.1	717	752458	2.33E-156	274	278	98 -	314	591	139458	139735
UN17745	Rsa1.0.05894.1	1346	12306	0	625	626	99 +	2	627	6858	7483
UN17746	Rsa1.0.01753.1	1478	39794	0	396	418	94 -	1	411	16947	17364
UN17747	Rsa1.0.00804.1	765	63726	1.00E-162	299	302	99 +	214	515	52476	52777
UN17748	Rsa1.0.01096.1	885	54266	1.00E-117	220	222	99 -	364	585	9756	9977
UN17749	Rsa1.0.01737.1	230	40101	8.00E-54	140	150	93 +	1	150	16476	16623
UN17750	Rsa1.0.03513.1	1305	22349	0	500	506	98 -	364	869	20286	20791
UN17751	Rsa1.0.16723.1	1388	2053	1.00E-147	309	321	96 -	1068	1388	1043	1356
UN17752	Rsa1.0.00025.1	780	277312	0	490	495	98 +	257	751	271079	271573
UN17753	Rsa1.0.00771.1	647	64870	0	460	464	99 -	184	647	47613	48076
UN17754	Rsa1.0.00077.1	541	145005	1.00E-108	199	199	100 -	343	541	54084	54282
UN17755	Rsa1.0.04512.1	703	17031	0	390	403	96 -	301	703	12545	12943
UN17756	Rsa1.0.04140.1	747	18879	1.00E-104	210	216	97 +	292	507	7286	7501
UN17757	Rsa1.0.02788.1	1067	27852	1.00E-136	320	344	93 +	736	1066	5593	5935
UN17758	Rsa1.0.02395.1	725	31785	0	359	361	99 -	1	361	8334	8692
UN17759	Rsa1.0.00459.1	616	82580	1.00E-132	258	264	97 +	270	533	57149	57412
UN17760	Rsa1.0.01026.1	807	171624	1.00E-176	316	317	99 -	3	319	31953	32269
UN17761	Rsa1.0.00132.1	1094	124299	1.00E-150	334	352	94 -	743	1090	108391	108742
UN17762	Rsa1.0.00040.1	892	324196	1.00E-169	321	326	98 +	567	892	308714	309038
UN17763	Rsa1.0.00782.1	1469	64468	1.00E-101	188	188	100 +	72	259	33382	33569
UN17764	Rsa1.0.00017.1	740	752458	2.00E-91	194	201	96 -	204	401	274013	274213
UN17765	Rsa1.0.00224.1	872	327530	1.00E-142	263	265	99 +	5	269	204875	205139
UN17766	Rsa1.0.00417.1	740	395068	1.00E-101	194	196	98 +	317	512	258984	259179
UN17767	Rsa1.0.00123.1	861	325650	0	356	359	99 -	1	359	227015	227373
UN17768	Rsa1.0.00725.1	1726	66757	0	474	489	96 -	54	542	10669	11155
UN17769	Rsa1.0.00116.1	724	365886	0	584	584	100 +	141	724	154724	155307
UN17770	Rsa1.0.02601.1	879	29654	0	397	403	98 -	2	404	26835	27237
UN17771	Rsa1.0.01213.1	978	50616	0	465	474	98 +	226	699	10242	10712
UN17772	Rsa1.0.00501.1	1763	79545	0	466	485	96 -	1	482	20922	21401
UN17773	Rsa1.0.09695.1	803	6206	1.00E-131	352	388	90 +	411	795	577	948
UN17774	Rsa1.0.00034.1	983	260119	0	553	572	96 -	1	572	122108	122679
UN17775	Rsa1.0.00240.1	864	104175	1.00E-113	216	219	98 -	264	482	54590	54808
UN17776	Rsa1.0.03741.1	622	143933	0	550	566	97 -	1	564	4881	5440
UN17777	Rsa1.0.01146.1	729	163455	1.00E-109	247	257	96 -	1	255	25092	25346
UN17778	Rsa1.0.00006.1	751	396176	1.00E-127	285	302	94 -	452	751	9146	9447
UN17779	Rsa1.0.02431.1	443	31504	0	401	418	95 +	13	429	17508	17922
UN17780	Rsa1.0.03713.1	766	21221	1.00E-176	360	373	96 -	396	766	10532	10904
UN17781	Rsa1.0.00230.1	786	105389	1.00E-122	315	334	94 -	460	784	2593	2925
UN17782	Rsa1.0.11366.1	722	5532	1.00E-119	249	259	96 +	1	259	2668	2923

UN17783	Rsa1.0_19324.1	1674	1447	1.00E-130	267	276	96 +	963	1237	1029	1304
UN17784	Rsa1.0_01389.1	795	46716	1.00E-127	299	316	94 -	5	315	30335	30647
UN17785	Rsa1.0_14772.1	383	3077	0	373	383	97 +	1	383	1557	1939
UN17786	Rsa1.0_14856.1	1314	3010	0	426	429	99 -	3	431	2281	2709
UN17787	Rsa1.0_03292.1	701	23977	1.00E-139	279	287	97 -	2	288	7104	7389
UN17788	Rsa1.0_00895.1	1249	60615	0	474	483	98 +	452	934	39139	39621
UN17789	Rsa1.0_00224.1	1141	327530	1.00E-147	264	264	100 +	2	265	204876	205139
UN17790	Rsa1.0_08293.1	791	7593	0	371	378	98 +	414	791	2270	2647
UN17791	Rsa1.0_02728.1	450	28400	1.00E-163	328	338	97 -	1	336	26853	27189
UN17792	Rsa1.0_00192.1	792	278200	0	397	415	95 +	12	426	41784	42196
UN17793	Rsa1.0_02501.1	505	30764	0	486	506	96 +	1	505	10542	11045
UN17794	Rsa1.0_00013.1	849	292129	1.00E-105	207	211	98 +	1	211	204587	204797
UN17795	Rsa1.0_00355.1	696	92038	0	531	576	92 -	129	695	77872	78429
UN17796	Rsa1.0_02964.1	728	26407	5.00E-95	213	225	94 +	198	422	19004	19228
UN17797	Rsa1.0_05893.1	765	12306	1.00E-174	343	350	98 -	419	765	8202	8551
UN17798	Rsa1.0_06968.1	633	10090	0	598	630	94 +	9	633	7775	8402
UN17799	Rsa1.0_00220.1	959	192936	1.00E-147	348	371	93 +	3	362	18977	19347
UN17800	Rsa1.0_03356.1	474	23487	1.00E-121	248	257	96 +	1	257	20196	20452
UN17801	Rsa1.0_00415.1	675	86795	1.00E-135	304	321	94 -	15	335	6755	7069
UN17802	Rsa1.0_00281.1	560	99908	0	439	462	95 +	11	465	24079	24539
UN17803	Rsa1.0_09583.1	937	6270	0	372	385	96 -	140	519	5886	6270
UN17804	Rsa1.0_00003.1	1382	340054	0	615	629	97 -	750	1378	257546	258174
UN17805	Rsa1.0_00190.1	461	318240	0	385	400	96 +	1	400	314387	314786
UN17806	Rsa1.0_01843.1	758	265131	0	479	481	99 -	13	493	25363	25843
UN17807	Rsa1.0_00127.1	866	127446	0	480	481	99 -	386	866	62999	63478
UN17808	Rsa1.0_00605.1	1022	73199	0	573	580	98 -	23	602	30975	31554
UN17809	Rsa1.0_02312.1	1064	32675	0	1060	1060	100 +	2	1061	15843	16902
UN17810	Rsa1.0_32336.1	746	704	2.00E-76	197	213	92 +	1	201	451	663
UN17811	Rsa1.0_01768.1	1307	138463	1.00E-141	308	321	95 -	987	1307	119986	120300
UN17812	Rsa1.0_03028.1	979	25872	1.00E-118	271	286	94 +	26	307	20174	20458
UN17813	Rsa1.0_00067.1	430	415055	1.00E-157	303	308	98 +	121	428	351902	352206
UN17814	Rsa1.0_00397.1	396	88189	0	380	395	96 +	2	396	7409	7802
UN17815	Rsa1.0_02054.1	970	35548	1.00E-142	271	276	98 +	203	478	27079	27354
UN17816	Rsa1.0_01761.1	761	39717	0	421	425	99 +	334	758	25093	25516
UN17817	Rsa1.0_00960.1	683	58199	1.00E-107	245	257	95 -	6	260	14176	14431
UN17818	Rsa1.0_00123.1	678	325650	1.00E-179	364	376	96 +	1	374	59913	60285
UN17819	Rsa1.0_01618.1	693	42118	0	485	505	96 -	2	500	1	505
UN17820	Rsa1.0_00300.1	782	97747	0	544	574	94 +	73	640	81510	82074
UN17821	Rsa1.0_01068.1	696	55208	1.00E-106	246	267	92 +	2	268	5080	5328

UN17822	Rsa1.0.09406.1	781	6391	1.00E-113	222	227	97 +	165	391	5073	5299
UN17823	Rsa1.0.00475.1	510	81678	1.00E-115	266	282	94 +	1	280	26917	27198
UN17824	Rsa1.0.27096.1	862	866	0	411	421	97 -	1	420	335	755
UN17825	Rsa1.0.02258.1	378	33307	1.00E-121	242	249	97 +	1	249	23474	23722
UN17826	Rsa1.0.00284.1	749	323267	0	582	600	97 -	3	599	316787	317386
UN17827	Rsa1.0.02398.1	298	31766	1.00E-103	233	245	95 -	3	247	5418	5659
UN17828	Rsa1.0.03356.1	615	23487	1.00E-172	330	338	97 -	123	460	20820	21157
UN17829	Rsa1.0.00439.1	1074	142776	0	571	585	97 +	490	1073	52240	52824
UN17830	Rsa1.0.03160.1	452	24916	2.00E-80	169	172	98 +	280	450	18697	18867
UN17831	Rsa1.0.10348.1	733	5880	1.00E-128	257	264	97 +	1	264	478	740
UN17832	Rsa1.0.00014.1	336	348985	1.00E-164	325	336	96 +	1	336	241629	241964
UN17833	Rsa1.0.00805.1	860	63724	1.00E-138	256	258	99 +	327	584	8627	8884
UN17834	Rsa1.0.00753.1	673	65705	1.00E-144	282	290	97 -	384	673	588	870
UN17835	Rsa1.0.38832.1	1608	579	1.00E-121	224	225	99 +	74	298	1	225
UN17836	Rsa1.0.06306.1	609	11266	0	521	535	97 -	17	551	4950	5484
UN17837	Rsa1.0.02281.1	804	292576	1.00E-116	222	224	99 -	459	681	263654	263877
UN17838	Rsa1.0.02608.1	1063	29613	0	430	465	92 -	603	1063	24658	25105
UN17839	Rsa1.0.11366.1	877	5532	1.00E-116	224	228	98 -	106	333	3977	4204
UN17840	Rsa1.0.10348.1	476	5880	2.33E-156	263	263	100 +	1	263	478	740
UN17841	Rsa1.0.00821.1	701	62891	1.00E-115	240	250	96 +	3	252	49070	49319
UN17842	Rsa1.0.01803.1	651	173846	1.00E-76	175	186	94 +	158	334	136428	136613
UN17843	Rsa1.0.02381.1	803	31972	1.00E-178	364	380	95 +	1	380	13541	13909
UN17844	Rsa1.0.00141.1	557	121494	1.00E-149	291	299	97 +	259	557	103874	104172
UN17845	Rsa1.0.30763.1	491	745	0	401	402	99 -	2	403	135	535
UN17846	Rsa1.0.00105.1	279	134138	1.00E-93	203	210	96 +	7	215	71490	71698
UN17847	Rsa1.0.00144.1	569	120708	0	505	528	95 +	20	546	12334	12860
UN17848	Rsa1.0.07536.1	1090	9178	0	399	423	94 +	5	417	6471	6893
UN17849	Rsa1.0.01047.1	862	55705	4.00E-96	200	207	96 +	208	414	1138	1344
UN17850	Rsa1.0.00848.1	855	152362	0	699	722	96 +	1	722	49072	49792
UN17851	Rsa1.0.01176.1	577	51638	0	389	404	96 +	174	575	28134	28534
UN17852	Rsa1.0.00630.1	1453	71281	0	520	520	100 -	229	748	62260	62779
UN17853	Rsa1.0.00270.1	454	101236	0	454	454	100 +	1	454	69450	69903
UN17854	Rsa1.0.01094.1	1145	167285	0	414	418	99 +	730	1145	12558	12975
UN17855	Rsa1.0.03873.1	1190	20360	0	701	715	98 -	35	746	9247	9957
UN17856	Rsa1.0.00289.1	832	98620	5.00E-86	180	186	96 +	417	602	14777	14962
UN17857	Rsa1.0.00111.1	741	390088	0	727	748	97 +	1	741	373996	374743
UN17858	Rsa1.0.02779.1	681	27968	0	664	683	97 +	1	681	3437	4119
UN17859	Rsa1.0.19861.1	822	1373	1.00E-154	277	277	100 -	11	287	448	724
UN17860	Rsa1.0.00055.1	704	520193	3.00E-65	148	155	95 +	512	666	180177	180331

UN17861	Rsa1.0_04371.1	839	17700	1.00E-151	349	374	93 -	1	374	2476	2841
UN17862	Rsa1.0_01707.1	1158	40686	0	398	401	99 +	426	826	25818	26218
UN17863	Rsa1.0_03741.1	987	143933	0	552	566	97 -	3	568	4881	5443
UN17864	Rsa1.0_02054.1	953	35548	1.00E-142	272	277	98 -	482	758	27078	27354
UN17865	Rsa1.0_00055.1	1158	520193	0	368	368	100 +	791	1158	106239	106606
UN17866	Rsa1.0_01325.1	1086	48131	0	631	652	96 +	429	1080	17437	18088
UN17867	Rsa1.0_01094.1	810	167285	1.00E-80	159	161	98 +	457	617	11257	11417
UN17868	Rsa1.0_00339.1	766	222974	0	391	394	99 +	3	395	210669	211062
UN17869	Rsa1.0_00689.1	982	68305	0	360	365	98 -	617	981	23514	23878
UN17870	Rsa1.0_02601.1	875	29654	0	400	416	96 -	1	416	26835	27249
UN17871	Rsa1.0_00041.1	691	186197	1.00E-156	324	338	95 +	357	691	157071	157408
UN17872	Rsa1.0_00729.1	1130	66690	0	616	627	98 -	1	627	56634	57260
UN17873	Rsa1.0_01811.1	554	38977	0	405	420	96 +	135	554	26394	26808
UN17874	Rsa1.0_07193.1	1044	9752	1.00E-166	302	304	99 +	741	1044	4357	4660
UN17875	Rsa1.0_01084.1	922	54605	1.00E-144	263	264	99 +	655	918	17676	17939
UN17876	Rsa1.0_00253.1	846	231292	0	448	455	98 +	2	456	204509	204960
UN17877	Rsa1.0_00903.1	1555	60228	0	413	415	99 -	1	415	9118	9532
UN17878	Rsa1.0_00033.1	705	515811	0	393	394	99 -	312	705	366451	366843
UN17879	Rsa1.0_02239.1	938	33534	1.00E-139	302	316	95 -	625	938	9639	9949
UN17880	Rsa1.0_00116.1	755	365886	5.00E-95	225	236	95 +	520	753	315711	315943
UN17881	Rsa1.0_00988.1	846	57525	1.00E-139	277	283	97 -	564	845	27392	27672
UN17882	Rsa1.0_04994.1	1007	15199	0	392	397	98 +	612	1007	5955	6351
UN17883	Rsa1.0_00652.1	922	70089	1.00E-107	229	239	95 -	671	909	22798	23033
UN17884	Rsa1.0_03831.1	942	20579	1.00E-109	271	291	93 +	3	279	18131	18420
UN17885	Rsa1.0_04462.1	422	17250	1.00E-144	323	343	94 -	1	343	13370	13711
UN17886	Rsa1.0_04194.1	777	132734	0	578	589	98 -	190	777	123400	123988
UN17887	Rsa1.0_03148.1	834	24989	0	380	399	95 +	368	766	21013	21408
UN17888	Rsa1.0_00141.1	765	121494	1.00E-140	318	339	93 +	432	765	20677	21003
UN17889	Rsa1.0_00253.1	604	231292	0	584	594	98 +	11	604	97765	98358
UN17890	Rsa1.0_00122.1	453	265937	1.00E-179	425	461	92 +	3	451	224882	225339
UN17891	Rsa1.0_03296.1	744	23969	0	389	394	98 +	3	396	14345	14738
UN17892	Rsa1.0_00501.1	300	79545	1.00E-131	283	297	95 +	4	299	58691	58987
UN17893	Rsa1.0_00437.1	629	84879	1.00E-103	227	240	94 -	397	629	64119	64358
UN17894	Rsa1.0_00884.1	901	61150	0	874	899	97 -	3	901	48091	48983
UN17895	Rsa1.0_00162.1	525	239935	0	384	398	96 +	128	525	12315	12703
UN17896	Rsa1.0_01311.1	756	48456	3.00E-96	222	233	95 +	65	295	20313	20542
UN17897	Rsa1.0_00501.1	1019	79545	0	557	573	97 -	448	1019	58698	59270
UN17898	Rsa1.0_02622.1	848	142402	1.00E-165	331	341	97 +	3	342	6671	7008
UN17899	Rsa1.0_13702.1	867	4456	1.00E-132	259	265	97 +	1	265	1756	2017

UN17900	Rsa1.0.01146.1	778	163455	0	740	779	94 +	1	771	152988	153766
UN17901	Rsa1.0.16906.1	721	1993	1.00E-134	258	263	98 -	1	263	4	266
UN17902	Rsa1.0.00622.1	817	71822	0	802	823	97 -	1	817	23235	24055
UN17903	Rsa1.0.01651.1	360	41586	1.00E-176	350	361	96 +	1	360	20839	21199
UN17904	Rsa1.0.01509.1	848	44258	0	503	516	97 +	331	845	16019	16530
UN17905	Rsa1.0.00083.1	846	442773	0	496	516	96 -	332	846	323904	324417
UN17906	Rsa1.0.02072.1	801	35401	1.00E-132	264	272	97 -	528	799	18082	18353
UN17907	Rsa1.0.03783.1	1107	20890	1.00E-144	295	303	97 -	794	1096	17848	18147
UN17908	Rsa1.0.01299.1	529	162028	1.00E-106	202	204	99 +	326	529	159762	159965
UN17909	Rsa1.0.00123.1	958	325650	0	651	677	96 +	277	953	272132	272808
UN17910	Rsa1.0.01232.1	705	155185	0	487	497	97 -	210	705	108724	109218
UN17911	Rsa1.0.10547.1	863	5807	1.00E-151	346	373	92 -	502	863	104	476
UN17912	Rsa1.0.00190.1	611	318240	4.00E-58	115	115	100 -	289	403	90400	90514
UN17913	Rsa1.0.00150.1	827	154416	1.00E-117	218	219	99 -	448	666	59697	59915
UN17914	Rsa1.0.03191.1	946	145762	1.00E-123	270	284	95 -	437	720	133541	133818
UN17915	Rsa1.0.01119.1	757	53459	0	475	489	97 +	269	757	1103	1589
UN17916	Rsa1.0.01874.1	784	37853	1.00E-116	255	268	95 -	422	688	24318	24585
UN17917	Rsa1.0.00240.1	1010	104175	1.00E-157	318	331	96 -	3	326	54892	55222
UN17918	Rsa1.0.00358.1	721	91293	7.00E-88	234	251	93 +	3	248	35095	35343
UN17919	Rsa1.0.04415.1	674	147889	1.00E-103	271	295	91 -	373	664	141075	141355
UN17920	Rsa1.0.14400.1	678	3430	0	617	669	92 -	1	660	1	662
UN17921	Rsa1.0.00220.1	874	192936	1.00E-141	274	278	98 +	2	278	143184	143460
UN17922	Rsa1.0.01926.1	831	37206	1.00E-154	276	276	100 +	556	831	6451	6726
UN17923	Rsa1.0.04218.1	750	18423	1.00E-151	340	358	94 -	1	358	12805	13157
UN17924	Rsa1.0.00501.1	1051	79545	0	595	599	99 -	451	1049	58672	59270
UN17925	Rsa1.0.24632.1	747	976	1.00E-142	280	288	97 +	389	676	570	857
UN17926	Rsa1.0.00635.1	930	175826	1.00E-175	380	399	95 +	3	397	14013	14407
UN17927	Rsa1.0.02625.1	726	139104	0	558	628	88 +	1	602	138419	139030
UN17928	Rsa1.0.01843.1	263	265131	1.00E-125	254	263	96 -	1	263	25510	25772
UN17929	Rsa1.0.00497.1	1149	79830	0	502	525	95 -	3	525	41564	42079
UN17930	Rsa1.0.02362.1	766	32190	1.00E-128	338	365	92 +	1	356	24783	25145
UN17931	Rsa1.0.00992.1	1762	57419	1.00E-138	253	254	99 -	1509	1762	1930	2183
UN17932	Rsa1.0.01016.1	747	181422	0	400	408	98 +	341	747	18736	19143
UN17933	Rsa1.0.04371.1	847	17700	2.33E-156	348	374	93 -	5	378	2476	2841
UN17934	Rsa1.0.16723.1	804	2053	0	362	367	98 +	1	366	991	1356
UN17935	Rsa1.0.00139.1	858	357786	0	827	852	97 -	4	854	148943	149794
UN17936	Rsa1.0.00657.1	772	69858	0	396	410	96 -	336	744	4196	4605
UN17937	Rsa1.0.00733.1	548	66583	1.00E-106	226	238	94 -	2	239	59548	59774
UN17938	Rsa1.0.04200.1	927	18490	0	395	402	98 +	1	402	768	1169

UN17939	Rsa1.0.48656.1	1042	465	1.00E-111	216	220	98 +	245	464	152	371
UN17940	Rsa1.0.00729.1	927	66690	0	607	622	97 -	4	625	56634	57253
UN17941	Rsa1.0.00719.1	650	66952	0	427	440	97 -	2	441	25642	26081
UN17942	Rsa1.0.01801.1	833	39094	0	554	566	97 -	21	579	20432	20997
UN17943	Rsa1.0.19861.1	805	1373	1.00E-120	258	271	95 +	535	805	448	712
UN17944	Rsa1.0.02399.1	798	31763	0	384	397	96 +	402	798	12071	12467
UN17945	Rsa1.0.07679.1	727	8811	0	348	348	100 +	29	376	1	348
UN17946	Rsa1.0.00067.1	813	415055	0	777	798	97 -	3	796	614	1411
UN17947	Rsa1.0.03783.1	1192	20890	1.00E-147	314	325	96 -	869	1189	17823	18147
UN17948	Rsa1.0.04846.1	969	15739	0	503	525	95 +	442	965	13280	13801
UN17949	Rsa1.0.19050.1	749	1488	1.00E-114	213	214	99 +	350	563	257	470
UN17950	Rsa1.0.01482.1	1111	44855	0	442	446	99 +	666	1111	16982	17427
UN17951	Rsa1.0.00055.1	744	520193	1.00E-116	237	245	96 +	3	247	103853	104097
UN17952	Rsa1.0.00132.1	725	124299	0	687	710	96 +	14	723	25491	26200
UN17953	Rsa1.0.55790.1	397	410	1.00E-160	289	290	99 +	25	314	1	290
UN17954	Rsa1.0.04386.1	1397	17627	0	511	521	98 +	881	1397	15113	15633
UN17955	Rsa1.0.00114.1	677	131330	1.00E-165	424	464	91 -	7	468	117617	118072
UN17956	Rsa1.0.00250.1	775	273771	0	368	372	98 -	103	473	186945	187315
UN17957	Rsa1.0.00010.1	1109	294827	1.00E-170	411	447	91 +	2	448	81197	81627
UN17958	Rsa1.0.01707.1	978	40686	0	391	401	97 -	178	578	25818	26218
UN17959	Rsa1.0.01377.1	509	46967	0	470	509	92 +	1	508	10117	10601
UN17960	Rsa1.0.00324.1	772	218805	1.00E-100	205	210	97 +	18	226	188072	188281
UN17961	Rsa1.0.00270.1	1028	101236	1.00E-129	298	315	94 -	718	1028	57803	58114
UN17962	Rsa1.0.01115.1	820	183545	0	439	459	95 +	371	820	174692	175150
UN17963	Rsa1.0.00128.1	761	228675	1.00E-102	198	201	98 -	558	758	216628	216828
UN17964	Rsa1.0.01549.1	819	43543	0	755	781	96 -	37	817	41915	42691
UN17965	Rsa1.0.03723.1	744	21173	3.00E-13	55	60	91 +	137	196	16991	17050
UN17966	Rsa1.0.00644.1	1641	136881	1.00E-179	359	377	95 -	3	379	41427	41785
UN17967	Rsa1.0.03574.1	464	22004	2.00E-77	264	299	88 +	3	289	17891	18178
UN17968	Rsa1.0.01934.1	761	37162	0	424	438	96 -	318	752	1854	2291
UN17969	Rsa1.0.00128.1	1102	228675	1.00E-161	307	312	98 -	789	1099	216103	216414
UN17970	Rsa1.0.00825.1	834	62855	0	829	833	99 +	2	834	48140	48972
UN17971	Rsa1.0.00407.1	595	191544	0	380	382	99 +	214	595	182904	183285
UN17972	Rsa1.0.23101.1	816	1071	0	379	383	98 -	427	809	1	383
UN17973	Rsa1.0.03016.1	916	26000	1.00E-167	368	384	95 -	9	388	3315	3694
UN17974	Rsa1.0.15840.1	773	2394	0	403	403	100 +	371	773	288	690
UN17975	Rsa1.0.00363.1	619	90968	1.00E-101	231	243	95 +	21	261	28260	28502
UN17976	Rsa1.0.00630.1	1109	71281	0	512	520	98 -	226	745	62260	62779
UN17977	Rsa1.0.00104.1	1475	368722	1.00E-174	368	383	96 +	1098	1475	197643	198022

UN17978	Rsa1.0_03303.1	542	23890	0	523	547	95 +	1	541	9575	10118
UN17979	Rsa1.0_00228.1	832	105511	0	797	825	96 +	3	826	97604	98424
UN17980	Rsa1.0_01126.1	819	53127	1.00E-137	264	268	98 +	2	268	14986	15253
UN17981	Rsa1.0_01874.1	834	37853	1.00E-113	254	268	94 -	421	687	24318	24585
UN17982	Rsa1.0_00953.1	805	145012	1.00E-169	360	379	94 +	3	376	11206	11581
UN17983	Rsa1.0_00194.1	597	110851	1.00E-108	319	360	88 +	253	590	56294	56652
UN17984	Rsa1.0_00083.1	818	442773	0	799	822	97 +	1	817	401735	402551
UN17985	Rsa1.0_03953.1	775	19889	0	693	728	95 +	1	709	6295	7021
UN17986	Rsa1.0_01730.1	577	40223	0	506	545	92 -	17	548	33434	33974
UN17987	Rsa1.0_02685.1	757	28669	0	361	364	99 -	392	755	27849	28210
UN17988	Rsa1.0_01783.1	788	39383	1.00E-159	294	297	98 +	1	297	12960	13256
UN17989	Rsa1.0_00730.1	448	66673	6.00E-81	162	165	98 +	1	165	28545	28709
UN17990	Rsa1.0_02470.1	772	31108	1.00E-55	123	127	96 +	319	445	24543	24669
UN17991	Rsa1.0_00739.1	1364	66155	0	506	516	98 -	598	1112	51804	52318
UN17992	Rsa1.0_07704.1	765	8754	0	517	544	95 -	227	765	3569	4101
UN17993	Rsa1.0_02092.1	747	35135	0	746	747	99 -	1	747	27231	27976
UN17994	Rsa1.0_00410.1	753	86957	5.00E-55	110	110	100 -	375	484	18062	18171
UN17995	Rsa1.0_49554.1	1177	458	0	384	397	96 -	779	1174	59	450
UN17996	Rsa1.0_00863.1	1173	254535	0	636	636	100 -	537	1172	251931	252566
UN17997	Rsa1.0_00123.1	899	325650	1.00E-159	327	339	96 +	450	786	305219	305556
UN17998	Rsa1.0_19861.1	514	1373	1.00E-119	265	281	94 -	1	281	448	722
UN17999	Rsa1.0_00037.1	1134	307838	0	599	618	96 +	1	618	16677	17290
UN18000	Rsa1.0_00490.1	1074	186713	0	621	623	99 -	450	1072	52225	52847
UN18001	Rsa1.0_00262.1	288	101906	9.00E-79	164	169	97 -	52	220	69618	69786
UN18002	Rsa1.0_00407.1	1039	191544	0	836	838	99 -	192	1028	155520	156357
UN18003	Rsa1.0_05199.1	1060	14529	0	537	584	91 +	9	592	7797	8369
UN18004	Rsa1.0_02693.1	782	28617	0	416	434	95 +	1	433	24856	25279
UN18005	Rsa1.0_01081.1	599	499226	0	592	594	99 +	6	599	456332	456925
UN18006	Rsa1.0_05199.1	891	14529	0	779	837	93 -	55	891	8003	8835
UN18007	Rsa1.0_00713.1	1165	158017	0	419	422	99 +	436	857	19367	19788
UN18008	Rsa1.0_04462.1	560	17250	0	417	435	95 +	94	528	13640	14074
UN18009	Rsa1.0_00449.1	809	83863	1.00E-173	344	356	96 -	3	358	56110	56465
UN18010	Rsa1.0_02312.1	761	32675	0	731	749	97 +	13	761	15856	16603
UN18011	Rsa1.0_08916.1	371	6792	1.00E-149	332	354	93 -	18	371	5995	6342
UN18012	Rsa1.0_00744.1	969	66084	0	423	443	95 -	2	442	54853	55295
UN18013	Rsa1.0_04793.1	659	15963	0	355	362	98 +	205	566	2167	2528
UN18014	Rsa1.0_00501.1	905	79545	0	449	466	96 -	11	476	20921	21386
UN18015	Rsa1.0_01206.1	880	50772	1.00E-154	326	341	95 +	1	341	38827	39166
UN18016	Rsa1.0_00360.1	797	91190	2.00E-94	210	220	95 -	1	220	49756	49974

UN18017	Rsa1.0.00127.1	543	127446	1.00E-133	240	240	100 +	234	473	35697	35936
UN18018	Rsa1.0.00917.1	687	182012	0	419	438	95 -	255	686	175692	176128
UN18019	Rsa1.0.00924.1	441	59524	3.00E-58	118	119	99 -	125	243	4369	4487
UN18020	Rsa1.0.01061.1	538	55349	0	532	540	98 -	1	538	29539	30075
UN18021	Rsa1.0.00038.1	835	314568	6.00E-67	186	200	93 +	3	198	254440	254637
UN18022	Rsa1.0.03158.1	726	24950	0	456	474	96 +	6	479	8090	8563
UN18023	Rsa1.0.00471.1	639	81897	1.00E-138	265	269	98 -	370	637	2892	3160
UN18024	Rsa1.0.05287.1	870	14264	0	445	467	95 +	279	745	5123	5587
UN18025	Rsa1.0.07877.1	733	8373	1.00E-154	309	320	96 +	420	733	5639	5958
UN18026	Rsa1.0.00876.1	711	61328	1.00E-134	283	297	95 +	67	357	49380	49676
UN18027	Rsa1.0.01126.1	837	53127	1.00E-125	262	271	96 -	570	837	14975	15245
UN18028	Rsa1.0.05332.1	866	14123	1.00E-129	271	283	95 +	186	468	8338	8620
UN18029	Rsa1.0.08133.1	733	7852	0	438	451	97 -	283	733	1352	1802
UN18030	Rsa1.0.16834.1	976	2019	0	514	526	97 -	442	966	606	1131
UN18031	Rsa1.0.00078.1	857	175053	0	380	390	97 -	23	412	131869	132258
UN18032	Rsa1.0.02362.1	695	32190	1.00E-119	361	400	90 -	298	684	24747	25145
UN18033	Rsa1.0.01233.1	1247	50184	0	433	445	97 -	1	445	42742	43186
UN18034	Rsa1.0.00651.1	1945	247766	0	711	711	100 +	1235	1945	80258	80968
UN18035	Rsa1.0.02710.1	1552	28492	0	662	662	100 -	1	662	20922	21583
UN18036	Rsa1.0.03751.1	833	21025	0	564	571	98 -	263	833	16682	17252
UN18037	Rsa1.0.04111.1	1556	18991	0	794	794	100 +	1	794	11224	12017
UN18038	Rsa1.0.00363.1	1397	90968	0	534	548	97 -	750	1297	67294	67840
UN18039	Rsa1.0.06495.1	624	10899	1.00E-140	290	304	95 +	4	296	5240	5540
UN18040	Rsa1.0.01945.1	1388	36989	0	409	426	96 -	1	421	6140	6557
UN18041	Rsa1.0.00304.1	964	97429	0	540	540	100 +	425	964	15850	16389
UN18042	Rsa1.0.02101.1	1169	35017	0	390	394	98 +	778	1168	14474	14867
UN18043	Rsa1.0.00198.1	1578	222963	0	617	627	98 -	627	1253	152016	152642
UN18044	Rsa1.0.00513.1	739	78579	1.00E-132	257	260	98 +	1	259	57408	57666
UN18045	Rsa1.0.00603.1	803	73299	0	798	800	99 +	2	801	58541	59340
UN18046	Rsa1.0.00547.1	1124	76521	0	471	476	98 -	647	1122	54262	54737
UN18047	Rsa1.0.01668.1	958	41299	1.00E-111	267	288	92 +	553	840	40402	40689
UN18048	Rsa1.0.00097.1	751	138858	0	445	448	99 +	306	751	59426	59873
UN18049	Rsa1.0.00144.1	811	120708	0	371	384	96 -	52	435	68637	69018
UN18050	Rsa1.0.00092.1	790	659932	1.00E-161	316	320	98 +	2	317	627090	627409
UN18051	Rsa1.0.01250.1	1210	49874	0	327	329	99 +	1	329	31238	31566
UN18052	Rsa1.0.01204.1	1403	50843	0	877	902	97 -	369	1270	28520	29421
UN18053	Rsa1.0.02040.1	886	35684	1.00E-157	316	326	96 +	560	885	13231	13555
UN18054	Rsa1.0.00153.1	994	192931	0	533	534	99 +	1	534	124372	124905
UN18055	Rsa1.0.00324.1	894	218805	0	893	893	100 +	1	893	214998	215890

UN18056	Rsa1.0.00434.1	1152	85171	0	370	373	99 +	782	1152	9575	9947
UN18057	Rsa1.0.02467.1	512	31141	0	487	527	92 +	3	509	15460	15978
UN18058	Rsa1.0.03898.1	880	20183	1.00E-111	225	231	97 +	1	231	12147	12375
UN18059	Rsa1.0.01766.1	2159	39617	0	399	424	94 -	1	403	26519	26942
UN18060	Rsa1.0.02926.1	1044	26716	0	803	805	99 +	1	804	2187	2991
UN18061	Rsa1.0.01016.1	1051	181422	0	500	508	98 +	402	907	18736	19243
UN18062	Rsa1.0.00009.1	1292	232558	0	411	420	97 +	191	606	8865	9284
UN18063	Rsa1.0.00107.1	1630	431659	0	720	720	100 +	424	1143	148415	149134
UN18064	Rsa1.0.01860.1	1616	38057	1.00E-131	285	302	94 +	3	293	21475	21772
UN18065	Rsa1.0.01678.1	1278	162174	0	417	422	98 +	857	1278	161267	161687
UN18066	Rsa1.0.00131.1	1268	432233	1.00E-169	342	356	96 +	913	1268	11596	11940
UN18067	Rsa1.0.00792.1	585	64163	1.00E-109	237	246	96 +	342	582	7358	7603
UN18068	Rsa1.0.04200.1	1432	18490	0	358	360	99 -	1	360	10181	10540
UN18069	Rsa1.0.00065.1	1556	454616	0	500	530	94 -	1032	1555	26185	26712
UN18070	Rsa1.0.00001.1	789	363028	3.00E-96	202	209	96 -	9	214	252923	253131
UN18071	Rsa1.0.01937.1	1071	37147	0	387	400	96 +	676	1071	21081	21477
UN18072	Rsa1.0.01881.1	923	37721	0	523	542	96 +	12	553	13978	14513
UN18073	Rsa1.0.01185.1	830	149842	2.00E-82	246	274	89 -	435	708	126678	126947
UN18074	Rsa1.0.00190.1	1927	318240	0	405	405	100 +	30	434	17920	18324
UN18075	Rsa1.0.12638.1	1599	5167	0	558	562	99 +	797	1358	4606	5167
UN18076	Rsa1.0.02067.1	885	35451	0	425	440	96 -	375	814	2132	2571
UN18077	Rsa1.0.00715.1	438	67116	5.00E-66	195	211	92 -	219	423	40371	40581
UN18078	Rsa1.0.00305.1	1659	97308	0	1612	1663	96 -	10	1655	15753	17399
UN18079	Rsa1.0.00106.1	1647	133916	0	651	674	96 +	36	709	91915	92585
UN18080	Rsa1.0.00030.1	611	250988	8.00E-81	232	262	88 +	9	249	123871	124132
UN18081	Rsa1.0.03241.1	1017	24423	0	775	787	98 -	233	1017	11435	12221
UN18082	Rsa1.0.14001.1	905	3933	0	397	403	98 +	39	441	1408	1810
UN18083	Rsa1.0.00724.1	867	66789	0	862	868	99 -	3	867	60470	61337
UN18084	Rsa1.0.00848.1	792	152362	1.00E-149	268	268	100 +	3	270	139681	139948
UN18085	Rsa1.0.01504.1	1316	189978	0	732	747	97 -	277	1023	25772	26517
UN18086	Rsa1.0.02623.1	855	29409	0	482	489	98 -	2	490	21515	22003
UN18087	Rsa1.0.05546.1	1523	13379	0	528	538	98 +	988	1523	5177	5710
UN18088	Rsa1.0.00663.1	897	164969	1.00E-171	330	337	97 +	3	339	126367	126702
UN18089	Rsa1.0.01101.1	1532	54031	1.00E-148	267	267	100 +	352	618	22500	22766
UN18090	Rsa1.0.01517.1	1461	44170	0	412	424	97 +	1036	1458	23723	24143
UN18091	Rsa1.0.00189.1	871	111830	1.00E-151	285	288	98 -	585	871	26274	26561
UN18092	Rsa1.0.00515.1	1293	78417	1.00E-107	211	214	98 -	3	216	50318	50530
UN18093	Rsa1.0.00740.1	1836	215972	0	1201	1209	99 +	625	1833	34795	36003
UN18094	Rsa1.0.01214.1	839	50599	0	432	442	97 +	396	835	35740	36180

UN18095	Rsa1.0.03143.1	744	25024	1.00E-138	289	302	95 +	166	467	11910	12211
UN18096	Rsa1.0.00307.1	1451	199003	0	375	381	98 +	1071	1451	70435	70815
UN18097	Rsa1.0.02782.1	1001	27929	1.00E-176	325	329	98 +	3	331	13477	13805
UN18098	Rsa1.0.01423.1	1968	46170	0	434	437	99 +	1533	1968	28713	29149
UN18099	Rsa1.0.02586.1	1709	29856	1.00E-145	277	282	98 -	339	620	8030	8311
UN18100	Rsa1.0.00706.1	1464	291570	0	543	559	97 +	219	777	181310	181868
UN18101	Rsa1.0.06102.1	1374	11740	1.00E-167	318	324	98 -	3	323	6539	6862
UN18102	Rsa1.0.00001.1	819	363028	2.00E-85	194	203	95 +	14	212	99180	99382
UN18103	Rsa1.0.01214.1	1226	50599	0	385	390	98 +	837	1226	46274	46660
UN18104	Rsa1.0.00218.1	1115	201480	5.00E-68	135	136	99 +	1	136	35114	35249
UN18105	Rsa1.0.00913.1	2232	59914	0	880	880	100 -	1352	2231	616	1495
UN18106	Rsa1.0.16335.1	1062	2193	1.00E-150	275	277	99 -	786	1062	933	1209
UN18107	Rsa1.0.00810.1	784	63289	0	537	544	98 +	239	782	6634	7176
UN18108	Rsa1.0.01182.1	1045	167304	0	355	360	98 -	688	1044	165185	165544
UN18109	Rsa1.0.02928.1	864	26680	0	474	479	98 -	381	858	25575	26053
UN18110	Rsa1.0.00194.1	729	110851	1.00E-132	249	252	98 +	3	254	83885	84136
UN18111	Rsa1.0.01999.1	1196	36237	0	1184	1194	99 +	3	1194	16309	17501
UN18112	Rsa1.0.00699.1	902	184398	0	878	899	97 -	4	902	146307	147204
UN18113	Rsa1.0.00061.1	1491	218685	0	1331	1372	97 +	126	1491	185101	186471
UN18114	Rsa1.0.02166.1	1204	34414	0	346	346	100 -	416	761	20683	21028
UN18115	Rsa1.0.00296.1	844	97854	1.00E-131	264	273	96 +	149	421	21946	22218
UN18116	Rsa1.0.05338.1	1283	144511	0	385	391	98 -	894	1283	9087	9476
UN18117	Rsa1.0.38645.1	687	582	0	354	354	100 -	20	373	1	354
UN18118	Rsa1.0.00037.1	2222	307838	0	1107	1133	97 +	1	1133	213823	214949
UN18119	Rsa1.0.00273.1	1665	326186	1.00E-137	267	273	97 -	513	785	152695	152967
UN18120	Rsa1.0.01997.1	1389	158416	1.00E-179	353	362	97 -	3	363	9828	10187
UN18121	Rsa1.0.04303.1	1439	18007	0	394	408	96 -	3	404	11136	11537
UN18122	Rsa1.0.01641.1	1140	188213	0	389	393	98 -	748	1140	174759	175151
UN18123	Rsa1.0.00105.1	945	134138	4.00E-99	196	200	98 +	170	369	67944	68143
UN18124	Rsa1.0.07482.1	945	9278	0	355	361	98 -	88	448	2864	3224
UN18125	Rsa1.0.00090.1	1207	273859	0	1194	1204	99 -	2	1205	161589	162792
UN18126	Rsa1.0.00331.1	591	176754	1.00E-104	219	228	96 -	186	413	159068	159295
UN18127	Rsa1.0.00173.1	733	288743	1.00E-148	288	294	97 +	166	458	23958	24251
UN18128	Rsa1.0.02848.1	611	27329	0	410	411	99 +	201	611	8638	9048
UN18129	Rsa1.0.02505.1	751	30703	1.00E-171	305	305	100 +	3	307	29167	29471
UN18130	Rsa1.0.00018.1	1318	410899	0	420	441	95 +	871	1307	68738	69175
UN18131	Rsa1.0.00207.1	1196	248736	0	596	609	97 -	1	609	64174	64779
UN18132	Rsa1.0.00376.1	928	90101	1.00E-138	253	254	99 +	602	855	7299	7552
UN18133	Rsa1.0.00838.1	836	153820	0	609	632	96 -	197	820	15935	16558

UN18134	Rsa1.0_00247.1	1097	103408	1.00E-159	388	421	92 -	3	415	66969	67376
UN18135	Rsa1.0_04108.1	707	19001	0	695	705	98 +	1	704	7385	8088
UN18136	Rsa1.0_02020.1	1072	173211	1.00E-135	260	264	98 +	1	264	162244	162506
UN18137	Rsa1.0_15257.1	1233	2724	0	1133	1233	91 -	2	1233	258	1490
UN18138	Rsa1.0_01164.1	619	51934	2.00E-90	271	297	91 -	2	294	43900	44189
UN18139	Rsa1.0_34719.1	1752	652	1.00E-145	273	277	98 +	868	1144	355	631
UN18140	Rsa1.0_02846.1	1528	27338	0	427	434	98 -	1	434	18619	19052
UN18141	Rsa1.0_02655.1	2698	29027	1.00E-170	317	320	99 +	942	1261	13789	14107
UN18142	Rsa1.0_00213.1	748	108167	1.00E-153	306	315	97 +	1	315	14641	14954
UN18143	Rsa1.0_03962.1	1187	19860	0	413	419	98 +	127	545	14221	14639
UN18144	Rsa1.0_00363.1	605	90968	1.00E-125	231	232	99 -	1	232	55162	55393
UN18145	Rsa1.0_00727.1	1023	66724	1.00E-156	295	300	98 -	601	900	30138	30437
UN18146	Rsa1.0_00066.1	1267	152418	7.00E-80	176	184	95 +	1082	1265	143576	143759
UN18147	Rsa1.0_05769.1	1828	12694	1.00E-143	273	278	98 -	2	279	6632	6909
UN18148	Rsa1.0_00228.1	697	105511	1.00E-168	307	308	99 -	390	697	50155	50461
UN18149	Rsa1.0_00628.1	815	214360	1.00E-125	237	240	98 -	204	443	66081	66320
UN18150	Rsa1.0_11080.1	1152	5623	0	379	380	99 +	395	774	1789	2168
UN18151	Rsa1.0_00287.1	969	98687	0	599	679	88 -	213	891	53406	54084
UN18152	Rsa1.0_06738.1	1712	10441	0	940	943	99 +	769	1710	4253	5195
UN18153	Rsa1.0_00329.1	1345	222544	0	669	689	97 -	657	1344	193046	193732
UN18154	Rsa1.0_03565.1	990	22062	1.00E-163	295	296	99 -	1	296	16874	17169
UN18155	Rsa1.0_08707.1	1031	7018	0	735	737	99 +	293	1029	1	737
UN18156	Rsa1.0_00275.1	1663	210104	0	352	360	97 +	81	439	149312	149671
UN18157	Rsa1.0_00772.1	1278	64856	0	493	501	98 -	417	917	28581	29081
UN18158	Rsa1.0_00857.1	1869	61904	0	724	743	97 -	824	1563	14129	14871
UN18159	Rsa1.0_01042.1	995	293264	0	575	592	97 +	403	993	141476	142066
UN18160	Rsa1.0_04489.1	748	17145	1.00E-106	225	233	96 +	521	748	14197	14429
UN18161	Rsa1.0_00886.1	714	167350	1.00E-149	274	276	99 -	2	277	8901	9176
UN18162	Rsa1.0_14220.1	1463	3652	1.00E-105	195	195	100 -	74	268	3458	3652
UN18163	Rsa1.0_05467.1	1238	13649	0	557	559	99 -	673	1231	6289	6847
UN18164	Rsa1.0_00136.1	1332	122464	0	665	679	97 +	5	682	56038	56713
UN18165	Rsa1.0_00208.1	989	108565	1.00E-126	395	446	88 +	1	434	28175	28605
UN18166	Rsa1.0_02494.1	1176	132923	1.00E-165	316	323	97 -	801	1123	107655	107977
UN18167	Rsa1.0_00427.1	1406	189678	0	413	421	98 -	986	1406	53848	54266
UN18168	Rsa1.0_00016.1	1420	831256	0	416	418	99 -	769	1186	253037	253454
UN18169	Rsa1.0_00107.1	1229	431659	0	429	434	98 +	1	433	14103	14536
UN18170	Rsa1.0_14436.1	1672	3393	0	494	515	95 +	536	1050	2867	3381
UN18171	Rsa1.0_01511.1	840	44235	0	664	668	99 +	2	669	19782	20449
UN18172	Rsa1.0_00533.1	987	77375	0	362	364	99 -	623	986	43209	43572

UN18173	Rsa1.0_04281.1	1603	18107	0	849	898	94 +	187	1084	15671	16568
UN18174	Rsa1.0_38435.1	1670	586	0	583	586	99 -	153	738	1	586
UN18175	Rsa1.0_00087.1	994	761073	1.00E-147	368	400	92 +	47	442	98854	99250
UN18176	Rsa1.0_00175.1	1921	166121	0	948	969	97 -	954	1921	84197	85165
UN18177	Rsa1.0_00253.1	1767	231292	0	587	617	95 +	755	1359	86583	87195
UN18178	Rsa1.0_02490.1	1241	30885	1.00E-180	341	348	97 +	440	787	5982	6329
UN18179	Rsa1.0_00326.1	1455	171955	1.00E-133	242	242	100 -	691	932	41797	42038
UN18180	Rsa1.0_00562.1	1334	75565	0	1167	1210	96 +	4	1201	23842	25047
UN18181	Rsa1.0_00163.1	1730	116847	1.00E-112	296	325	91 -	754	1061	64188	64512
UN18182	Rsa1.0_46357.1	885	487	1.00E-136	262	267	98 +	613	879	221	487
UN18183	Rsa1.0_00230.1	849	105389	0	394	394	100 +	1	394	2532	2925
UN18184	Rsa1.0_00092.1	1024	659932	2.00E-86	172	175	98 +	691	865	24958	25132
UN18185	Rsa1.0_06771.1	717	10388	0	699	709	98 -	5	712	2586	3293
UN18186	Rsa1.0_00235.1	813	154696	0	563	590	95 -	21	609	139087	139668
UN18187	Rsa1.0_00190.1	1133	318240	0	408	417	97 +	419	835	8210	8626
UN18188	Rsa1.0_04545.1	702	146799	0	335	337	99 -	366	702	7535	7869
UN18189	Rsa1.0_03673.1	996	21448	0	509	516	98 +	3	518	4077	4589
UN18190	Rsa1.0_00079.1	632	606987	1.00E-179	330	334	98 +	280	613	536507	536840
UN18191	Rsa1.0_00010.1	1387	294827	2.33E-156	283	288	98 +	1100	1386	291011	291298
UN18192	Rsa1.0_06840.1	1270	10286	1.00E-162	308	314	98 +	490	803	9049	9362
UN18193	Rsa1.0_00971.1	647	57973	0	621	622	99 -	3	623	19834	20455
UN18194	Rsa1.0_00105.1	799	134138	1.00E-168	384	411	93 +	398	798	91785	92188
UN18195	Rsa1.0_00278.1	935	231896	0	490	501	97 +	432	932	49869	50369
UN18196	Rsa1.0_04811.1	2200	15885	0	417	420	99 -	1469	1888	12070	12489
UN18197	Rsa1.0_02794.1	967	27820	1.00E-157	281	281	100 -	685	965	26676	26956
UN18198	Rsa1.0_04369.1	1673	17703	1.00E-168	338	349	96 -	1326	1673	1786	2134
UN18199	Rsa1.0_05714.1	1415	12850	1.00E-124	230	231	99 +	98	328	8830	9060
UN18200	Rsa1.0_00104.1	619	368722	0	614	619	99 +	1	619	76335	76952
UN18201	Rsa1.0_00088.1	1248	141341	0	693	703	98 -	547	1248	96279	96981
UN18202	Rsa1.0_00253.1	744	231292	1.00E-179	399	423	94 -	309	722	79564	79984
UN18203	Rsa1.0_00472.1	1883	398134	1.00E-163	322	332	96 -	16	347	309961	310292
UN18204	Rsa1.0_00067.1	1878	415055	0	923	944	97 +	3	946	181422	182365
UN18205	Rsa1.0_00662.1	1325	192183	1.00E-172	319	323	98 +	3	325	51398	51720
UN18206	Rsa1.0_00182.1	1489	142305	0	699	702	99 -	247	948	132407	133108
UN18207	Rsa1.0_00037.1	1904	307838	0	868	906	95 -	1021	1904	33020	33925
UN18208	Rsa1.0_00010.1	1430	294827	0	453	458	98 +	202	659	87840	88297
UN18209	Rsa1.0_02214.1	1286	161150	0	377	391	96 -	894	1283	13132	13521
UN18210	Rsa1.0_00719.1	1699	66952	1.00E-145	288	297	96 +	368	664	42432	42728
UN18211	Rsa1.0_02570.1	753	30000	0	565	573	98 -	166	738	1046	1615

UN18212	Rsa1.0.00087.1	1503	761073	1.00E-165	341	356	95 +	706	1061	433300	433655
UN18213	Rsa1.0.01996.1	885	36327	0	369	379	97 +	3	373	3452	3830
UN18214	Rsa1.0.01908.1	780	37427	0	518	521	99 +	260	780	16804	17324
UN18215	Rsa1.0.00069.1	813	403561	0	443	465	95 +	352	812	162099	162559
UN18216	Rsa1.0.01454.1	952	45440	1.00E-162	296	297	99 -	657	952	14232	14528
UN18217	Rsa1.0.01850.1	810	162224	2.00E-67	134	135	99 +	116	250	32969	33103
UN18218	Rsa1.0.07756.1	1481	8634	1.00E-177	327	331	98 +	1151	1481	5774	6104
UN18219	Rsa1.0.00805.1	1517	63724	0	783	829	94 -	29	851	57517	58345
UN18220	Rsa1.0.02786.1	800	27880	0	491	512	95 -	290	800	18684	19185
UN18221	Rsa1.0.01569.1	959	43029	0	675	676	99 +	1	676	22759	23434
UN18222	Rsa1.0.01376.1	984	47004	0	418	447	93 -	522	965	40139	40582
UN18223	Rsa1.0.00459.1	1350	82580	0	351	355	98 -	2	356	20821	21174
UN18224	Rsa1.0.01970.1	1259	36648	0	939	983	95 -	5	985	2521	3495
UN18225	Rsa1.0.00013.1	1552	292129	0	499	519	96 +	51	569	225224	225739
UN18226	Rsa1.0.00522.1	960	78103	2.00E-98	207	215	96 -	392	606	48991	49205
UN18227	Rsa1.0.09091.1	1153	6656	0	401	404	99 +	4	407	3708	4111
UN18228	Rsa1.0.00668.1	2559	69421	0	1132	1152	98 -	297	1448	23289	24437
UN18229	Rsa1.0.02454.1	2428	31263	0	1580	1584	99 +	96	1679	24099	25681
UN18230	Rsa1.0.00402.1	1951	385315	0	737	755	97 +	824	1578	88949	89697
UN18231	Rsa1.0.00179.1	1138	393324	0	412	414	99 -	724	1137	211659	212072
UN18232	Rsa1.0.01060.1	1383	55368	1.00E-111	223	229	97 -	894	1122	38736	38964
UN18233	Rsa1.0.00724.1	929	66789	0	605	619	97 -	317	927	4427	5045
UN18234	Rsa1.0.01139.1	1665	52601	0	431	441	97 -	1186	1626	48424	48864
UN18235	Rsa1.0.07344.1	1567	9528	0	848	858	98 -	1	858	5897	6754
UN18236	Rsa1.0.00414.1	862	202190	0	492	515	95 +	358	861	36763	37276
UN18237	Rsa1.0.01382.1	1258	46877	0	387	404	95 -	12	411	13890	14293
UN18238	Rsa1.0.04458.1	1211	17255	1.00E-179	319	319	100 +	668	986	7725	8043
UN18239	Rsa1.0.00606.1	1184	73150	1.00E-123	237	240	98 +	945	1183	32638	32877
UN18240	Rsa1.0.00500.1	970	272308	0	798	803	99 -	1	802	143320	144121
UN18241	Rsa1.0.03655.1	1839	21557	0	349	356	98 -	798	1153	8466	8821
UN18242	Rsa1.0.00440.1	1430	84723	1.00E-151	275	276	99 -	1	276	68557	68832
UN18243	Rsa1.0.01352.1	1779	47443	0	1388	1415	98 +	1	1413	7065	8479
UN18244	Rsa1.0.04189.1	1052	18584	1.00E-178	320	321	99 -	3	323	4224	4544
UN18245	Rsa1.0.01659.1	1090	164577	0	404	409	98 +	1	408	148556	148963
UN18246	Rsa1.0.01546.1	890	43586	0	857	887	96 -	7	888	30231	31115
UN18247	Rsa1.0.00078.1	1450	175053	1.00E-103	203	207	98 +	648	854	43779	43985
UN18248	Rsa1.0.32222.1	1201	707	0	364	365	99 -	1	365	1	364
UN18249	Rsa1.0.03718.1	1612	21195	0	473	503	94 -	1109	1611	450	935
UN18250	Rsa1.0.04985.1	1061	15232	0	1041	1055	98 -	7	1061	4170	5219

UN18251	Rsa1.0.00709.1	522	67329	0	497	520	95 -	1	520	13757	14268
UN18252	Rsa1.0.00493.1	1421	80007	1.00E-136	249	250	99 +	143	392	47779	48028
UN18253	Rsa1.0.00333.1	820	94500	1.00E-151	306	315	97 -	4	318	34823	35135
UN18254	Rsa1.0.01705.1	922	40710	1.00E-130	267	273	97 +	1	272	10482	10752
UN18255	Rsa1.0.00990.1	1428	57445	0	533	551	96 +	787	1333	42846	43396
UN18256	Rsa1.0.48565.1	1283	466	1.00E-119	306	338	90 +	5	320	108	439
UN18257	Rsa1.0.02802.1	1269	27736	0	631	657	96 +	1	648	10030	10678
UN18258	Rsa1.0.02916.1	1171	26809	0	341	343	99 -	10	352	1634	1976
UN18259	Rsa1.0.03874.1	979	20360	1.00E-165	310	314	98 +	49	360	381	694
UN18260	Rsa1.0.00734.1	2349	66508	0	718	732	98 +	1015	1745	27246	27974
UN18261	Rsa1.0.01788.1	1083	39296	1.00E-173	355	374	94 +	1	358	23988	24361
UN18262	Rsa1.0.01424.1	1246	46139	0	1222	1253	97 +	1	1246	30927	32176
UN18263	Rsa1.0.00038.1	1279	314568	1.00E-163	309	315	98 +	914	1228	194906	195220
UN18264	Rsa1.0.02791.1	1498	27832	0	892	924	96 -	26	935	20235	21158
UN18265	Rsa1.0.00176.1	777	240984	0	531	550	96 -	11	557	232410	232959
UN18266	Rsa1.0.00682.1	933	68680	0	542	546	99 +	388	933	2986	3531
UN18267	Rsa1.0.00848.1	1062	152362	5.00E-71	146	149	97 -	676	824	36953	37101
UN18268	Rsa1.0.13143.1	1539	4993	1.00E-144	334	354	94 +	1	353	702	1050
UN18269	Rsa1.0.01491.1	1415	44718	0	414	427	96 +	9	431	42154	42578
UN18270	Rsa1.0.02696.1	1233	28600	1.00E-164	310	314	98 -	920	1233	8254	8566
UN18271	Rsa1.0.00001.1	1239	363028	1.00E-172	318	321	99 +	922	1239	319592	319912
UN18272	Rsa1.0.00978.1	1936	57739	1.00E-165	310	312	99 +	1371	1680	35725	36036
UN18273	Rsa1.0.01104.1	1330	285480	0	388	390	99 -	915	1304	121482	121871
UN18274	Rsa1.0.00094.1	1576	139042	0	503	520	96 -	1033	1551	28273	28789
UN18275	Rsa1.0.05360.1	852	14053	1.00E-133	279	287	97 +	556	836	11840	12126
UN18276	Rsa1.0.00565.1	934	75420	0	534	537	99 -	3	538	21245	21781
UN18277	Rsa1.0.00032.1	1443	306326	0	1060	1072	98 -	330	1401	192599	193670
UN18278	Rsa1.0.00040.1	1895	324196	2.33E-156	269	271	99 +	88	358	312608	312878
UN18279	Rsa1.0.03702.1	825	21292	1.00E-128	233	233	100 +	338	570	7814	8046
UN18280	Rsa1.0.00224.1	1284	327530	0	946	959	98 +	327	1284	85779	86736
UN18281	Rsa1.0.00173.1	682	288743	0	668	678	98 -	4	678	261503	262180
UN18282	Rsa1.0.00822.1	1099	62891	4.00E-84	259	292	88 +	818	1093	32221	32509
UN18283	Rsa1.0.00141.1	993	121494	0	387	395	97 -	157	551	105801	106195
UN18284	Rsa1.0.01270.1	1217	49574	1.00E-152	390	427	91 -	796	1217	29160	29567
UN18285	Rsa1.0.05827.1	969	12503	0	721	739	97 -	89	827	6485	7221
UN18286	Rsa1.0.00171.1	1254	115622	0	400	402	99 +	3	403	33584	33984
UN18287	Rsa1.0.01949.1	1036	36960	0	402	418	96 +	604	1021	27763	28176
UN18288	Rsa1.0.03738.1	816	21071	1.00E-135	263	269	97 -	312	580	12425	12693
UN18289	Rsa1.0.00111.1	1006	390088	0	382	394	96 +	331	724	381107	381500

UN18290	Rsa1.0_00785.1	1599	64356	0	432	438	98 -	5	440	33751	34184
UN18291	Rsa1.0_03697.1	1532	21304	0	431	437	98 -	1096	1532	16445	16881
UN18292	Rsa1.0_01806.1	1542	39021	0	771	833	92 +	2	811	34071	34889
UN18293	Rsa1.0_01067.1	659	55230	1.00E-82	162	164	98 -	1	164	6328	6491
UN18294	Rsa1.0_00457.1	913	337301	1.00E-123	278	292	95 +	604	889	130569	130858
UN18295	Rsa1.0_01668.1	1069	41299	0	468	477	98 -	597	1069	33622	34096
UN18296	Rsa1.0_00365.1	1670	90902	0	985	1011	97 -	1	1010	59535	60545
UN18297	Rsa1.0_05505.1	1877	13500	0	464	487	95 -	1392	1875	7318	7801
UN18298	Rsa1.0_01146.1	682	163455	1.00E-161	328	339	96 +	341	679	162766	163101
UN18299	Rsa1.0_12642.1	1536	5165	0	497	504	98 +	834	1337	23	523
UN18300	Rsa1.0_03160.1	873	24916	0	866	871	99 +	3	873	2929	3799
UN18301	Rsa1.0_00645.1	2251	189716	0	1192	1204	99 -	4	1206	23763	24966
UN18302	Rsa1.0_00200.1	1495	162016	0	816	871	93 +	581	1445	85676	86546
UN18303	Rsa1.0_04811.1	1275	15885	0	402	404	99 -	872	1275	1248	1651
UN18304	Rsa1.0_00010.1	1148	294827	0	422	435	97 +	708	1142	244411	244838
UN18305	Rsa1.0_00476.1	1408	280966	0	491	493	99 -	771	1263	44981	45473
UN18306	Rsa1.0_00351.1	1057	413096	0	403	419	96 +	621	1038	3047	3457
UN18307	Rsa1.0_03448.1	921	22844	1.00E-169	313	317	98 -	340	656	5438	5754
UN18308	Rsa1.0_00071.1	687	345714	1.00E-101	268	291	92 +	397	687	22598	22875
UN18309	Rsa1.0_00271.1	773	101125	1.00E-160	311	319	97 +	218	536	60726	61044
UN18310	Rsa1.0_00143.1	736	121313	0	723	736	98 -	1	736	32757	33491
UN18311	Rsa1.0_00214.1	1394	107508	1.00E-179	339	345	98 +	1051	1392	42267	42611
UN18312	Rsa1.0_01435.1	912	45942	1.00E-126	255	263	96 +	3	265	24576	24835
UN18313	Rsa1.0_00037.1	2518	307838	0	964	994	96 -	562	1550	180789	181781
UN18314	Rsa1.0_00611.1	827	72410	0	436	455	95 -	370	823	15018	15467
UN18315	Rsa1.0_00323.1	1216	159650	1.00E-132	257	263	97 +	322	584	43088	43350
UN18316	Rsa1.0_01375.1	863	47038	9.00E-60	124	126	98 -	395	520	13143	13268
UN18317	Rsa1.0_00632.1	1330	183777	0	344	347	99 +	986	1330	867	1212
UN18318	Rsa1.0_00185.1	1046	248445	1.00E-159	288	289	99 +	756	1044	4378	4666
UN18319	Rsa1.0_00642.1	1412	201230	0	599	648	92 +	781	1408	158305	158949
UN18320	Rsa1.0_00187.1	961	393093	0	959	961	99 -	1	961	355923	356883
UN18321	Rsa1.0_00335.1	872	94371	1.00E-126	263	270	97 -	603	871	33581	33848
UN18322	Rsa1.0_00082.1	1253	237584	0	1211	1268	95 -	2	1247	46737	48000
UN18323	Rsa1.0_02860.1	856	27207	1.00E-163	308	313	98 +	161	473	16123	16432
UN18324	Rsa1.0_00003.1	1371	340054	0	592	593	99 +	779	1371	263741	264333
UN18325	Rsa1.0_05977.1	1081	12056	0	369	371	99 -	589	959	8430	8799
UN18326	Rsa1.0_03384.1	898	23291	0	831	848	97 +	7	851	10618	11465
UN18327	Rsa1.0_04936.1	846	15403	1.00E-104	199	200	99 +	590	788	8752	8951
UN18328	Rsa1.0_00920.1	1511	601703	0	554	567	97 +	945	1511	35940	36496

UN18329	Rsa1.0_02105.1	1215	156953	3.00E-91	174	175	99 +	744	918	8913	9087
UN18330	Rsa1.0_00081.1	1736	143261	1.00E-158	286	287	99 -	1450	1736	140556	140842
UN18331	Rsa1.0_06341.1	1541	11209	0	373	383	97 +	1	380	2316	2698
UN18332	Rsa1.0_01635.1	683	41865	0	645	645	100 +	35	679	15909	16553
UN18333	Rsa1.0_02281.1	1391	292576	0	349	354	98 +	3	356	1968	2321
UN18334	Rsa1.0_00043.1	835	264937	1.00E-105	218	225	96 +	49	273	243772	243993
UN18335	Rsa1.0_00990.1	1318	57445	0	1250	1322	94 -	3	1302	55447	56753
UN18336	Rsa1.0_00344.1	1683	191774	0	1103	1130	97 +	552	1681	129614	130743
UN18337	Rsa1.0_00071.1	1062	345714	0	370	382	96 +	369	750	311950	312331
UN18338	Rsa1.0_00481.1	1131	81316	1.00E-138	501	585	85 +	282	866	29295	29879
UN18339	Rsa1.0_00476.1	1474	280966	0	406	416	97 +	1	416	245467	245880
UN18340	Rsa1.0_04561.1	1660	16849	1.00E-117	250	262	95 +	30	286	5399	5660
UN18341	Rsa1.0_07919.1	1388	8261	1.00E-167	349	365	95 +	232	596	250	611
UN18342	Rsa1.0_74475.1	1433	308	1.00E-158	283	283	100 +	1	283	26	308
UN18343	Rsa1.0_02766.1	1629	28128	0	586	592	98 -	571	1159	22540	23131
UN18344	Rsa1.0_00247.1	1458	103408	0	544	576	94 -	3	574	30209	30767
UN18345	Rsa1.0_00081.1	1033	143261	1.00E-151	307	317	96 -	1	313	134327	134643
UN18346	Rsa1.0_11907.1	913	5374	1.00E-179	430	455	94 -	1	445	1101	1551
UN18347	Rsa1.0_36803.1	1539	613	1.00E-179	322	323	99 +	1	323	291	613
UN18348	Rsa1.0_01092.1	1177	54348	0	1149	1175	97 +	3	1175	47736	48909
UN18349	Rsa1.0_01591.1	520	42718	1.00E-104	296	326	90 +	10	329	8914	9233
UN18350	Rsa1.0_03099.1	1459	139424	0	509	543	93 -	917	1457	4079	4611
UN18351	Rsa1.0_00763.1	1194	65121	0	356	359	99 +	1	359	38841	39199
UN18352	Rsa1.0_00961.1	1736	58185	0	472	482	97 -	393	874	14537	15018
UN18353	Rsa1.0_00266.1	987	163932	1.00E-123	236	240	98 -	272	511	7133	7372
UN18354	Rsa1.0_04369.1	1407	17703	2.33E-156	332	351	94 +	3	352	1792	2134
UN18355	Rsa1.0_00714.1	1110	67187	0	470	489	96 -	87	566	10569	11054
UN18356	Rsa1.0_00154.1	1880	189461	1.00E-147	283	288	98 +	1	285	157488	157775
UN18357	Rsa1.0_00046.1	1546	320315	0	1503	1542	97 +	7	1546	192831	194366
UN18358	Rsa1.0_03353.1	1799	23496	0	624	640	97 +	1163	1799	18009	18647
UN18359	Rsa1.0_00307.1	1067	199003	0	878	915	95 +	14	926	5353	6260
UN18360	Rsa1.0_00783.1	1830	64459	0	905	927	97 +	904	1827	20058	20984
UN18361	Rsa1.0_01536.1	761	43747	0	436	444	98 +	283	718	39543	39986
UN18362	Rsa1.0_20222.1	1987	1326	0	587	597	98 -	1145	1741	1	597
UN18363	Rsa1.0_00194.1	938	110851	0	413	432	95 +	183	614	7999	8430
UN18364	Rsa1.0_00621.1	1707	71840	1.00E-144	347	369	94 +	3	365	48836	49191
UN18365	Rsa1.0_00609.1	1320	72785	0	729	756	96 +	544	1296	17899	18637
UN18366	Rsa1.0_52653.1	1239	433	1.00E-166	305	308	99 -	1	308	1	308
UN18367	Rsa1.0_01305.1	1504	48730	0	476	477	99 -	1028	1504	15327	15803

UN18368	Rsa1.0_00386.1	1211	89134	1.00E-143	295	305	96 -	3	307	29431	29732
UN18369	Rsa1.0_02803.1	960	27715	0	447	454	98 +	505	958	2231	2684
UN18370	Rsa1.0_00086.1	1168	439854	0	892	899	99 -	3	900	318961	319859
UN18371	Rsa1.0_00448.1	924	84048	0	903	922	97 +	3	924	32812	33732
UN18372	Rsa1.0_00162.1	1266	239935	0	731	744	98 -	523	1265	38543	39286
UN18373	Rsa1.0_00087.1	640	761073	1.00E-86	172	175	98 -	204	378	278974	279148
UN18374	Rsa1.0_00089.1	1059	406142	1.00E-130	261	267	97 +	795	1059	342938	343203
UN18375	Rsa1.0_00047.1	856	168582	1.00E-107	229	239	95 +	63	298	114068	114306
UN18376	Rsa1.0_00067.1	1203	415055	0	408	414	98 -	789	1202	147119	147531
UN18377	Rsa1.0_00153.1	761	192931	1.00E-95	222	232	95 +	531	759	168694	168922
UN18378	Rsa1.0_02634.1	1427	29299	0	1074	1082	99 -	2	1081	16743	17824
UN18379	Rsa1.0_00033.1	1141	515811	1.00E-130	268	275	97 +	20	294	467569	467839
UN18380	Rsa1.0_10503.1	1208	5824	1.00E-141	277	283	97 -	860	1141	1980	2262
UN18381	Rsa1.0_03451.1	998	22828	0	497	503	98 -	494	995	17165	17667
UN18382	Rsa1.0_27081.1	1404	866	1.00E-149	367	401	91 +	1018	1404	437	833
UN18383	Rsa1.0_00104.1	1062	368722	1.00E-142	259	260	99 +	7	266	65010	65269
UN18384	Rsa1.0_00280.1	1319	99966	0	630	665	94 -	661	1319	6002	6666
UN18385	Rsa1.0_00082.1	1057	237584	0	413	431	95 -	633	1051	53517	53947
UN18386	Rsa1.0_06839.1	1078	10286	0	531	542	97 -	537	1075	1902	2443
UN18387	Rsa1.0_02558.1	611	30112	0	601	625	96 +	3	611	7161	7785
UN18388	Rsa1.0_11362.1	991	5532	1.00E-147	295	305	96 +	3	307	4613	4917
UN18389	Rsa1.0_03319.1	1195	23767	0	554	574	96 -	574	1144	4081	4649
UN18390	Rsa1.0_00160.1	1260	346678	0	1196	1225	97 +	1	1225	144590	145814
UN18391	Rsa1.0_02410.1	1279	31659	0	1269	1277	99 -	2	1278	19948	21224
UN18392	Rsa1.0_00345.1	948	93226	0	447	467	95 -	388	854	74468	74934
UN18393	Rsa1.0_01015.1	1841	56752	0	457	466	98 +	1376	1841	7528	7990
UN18394	Rsa1.0_00676.1	1120	69166	0	486	519	93 -	99	603	54623	55138
UN18395	Rsa1.0_00739.1	1098	66155	1.00E-114	246	257	95 -	448	704	38886	39141
UN18396	Rsa1.0_00397.1	768	88189	1.00E-106	263	284	92 +	483	764	54834	55109
UN18397	Rsa1.0_00421.1	767	86365	1.00E-174	316	318	99 -	450	767	14715	15032
UN18398	Rsa1.0_44085.1	1286	510	1.00E-161	325	337	96 -	311	647	70	406
UN18399	Rsa1.0_00667.1	1861	69460	0	403	409	98 +	1	406	22479	22887
UN18400	Rsa1.0_36357.1	615	620	1.00E-101	187	187	100 +	429	615	1	187
UN18401	Rsa1.0_00127.1	1326	127446	1.00E-142	263	265	99 +	830	1094	16292	16556
UN18402	Rsa1.0_07528.1	679	9195	0	641	668	95 +	5	671	3310	3975
UN18403	Rsa1.0_00128.1	1601	228675	0	460	467	98 +	1138	1599	202406	202871
UN18404	Rsa1.0_01767.1	1122	39615	1.00E-104	192	192	100 -	1	192	15425	15616
UN18405	Rsa1.0_00467.1	961	156542	1.00E-120	249	259	96 -	593	851	91014	91272
UN18406	Rsa1.0_02505.1	1179	30703	0	417	418	99 -	755	1172	9948	10365

UN18407	Rsa1.0.00009.1	1238	232558	0	434	445	97 -	763	1207	22905	23349
UN18408	Rsa1.0.00200.1	1031	162016	0	345	346	99 -	1	346	115230	115575
UN18409	Rsa1.0.00038.1	1058	314568	0	429	439	97 -	36	474	253300	253735
UN18410	Rsa1.0.00286.1	844	98709	0	763	814	93 +	54	844	4958	5770
UN18411	Rsa1.0.02079.1	941	35306	0	404	410	98 -	242	651	18111	18517
UN18412	Rsa1.0.02871.1	791	27085	1.00E-145	262	262	100 +	530	791	18241	18502
UN18413	Rsa1.0.08023.1	937	8071	0	492	521	94 -	422	937	4879	5399
UN18414	Rsa1.0.01116.1	775	142088	0	672	695	96 -	89	775	129744	130438
UN18415	Rsa1.0.01144.1	854	52431	0	407	425	95 -	2	424	42305	42724
UN18416	Rsa1.0.03191.1	1079	145762	0	740	747	99 -	332	1078	20691	21437
UN18417	Rsa1.0.00418.1	680	215377	1.00E-89	221	237	93 -	9	241	42754	42989
UN18418	Rsa1.0.02808.1	1714	27677	0	553	604	91 -	493	1092	17030	17614
UN18419	Rsa1.0.01146.1	1253	163455	0	419	423	99 +	1	422	16387	16809
UN18420	Rsa1.0.00031.1	1089	179862	0	420	420	100 -	670	1089	165989	166408
UN18421	Rsa1.0.00348.1	1587	92818	0	1512	1544	97 -	3	1544	16030	17570
UN18422	Rsa1.0.00045.1	628	328694	1.00E-115	226	230	98 -	5	233	232551	232780
UN18423	Rsa1.0.00214.1	1179	107508	0	401	411	97 -	1	407	67033	67442
UN18424	Rsa1.0.00991.1	991	143101	0	533	539	98 -	1	537	34643	35181
UN18425	Rsa1.0.00937.1	1501	59061	1.00E-133	266	274	97 +	14	287	26612	26885
UN18426	Rsa1.0.01648.1	941	41635	0	718	723	99 +	222	941	10802	11524
UN18427	Rsa1.0.01997.1	1094	158416	1.00E-124	258	267	96 +	300	565	152201	152467
UN18428	Rsa1.0.01896.1	939	37512	0	910	938	97 +	1	937	31721	32658
UN18429	Rsa1.0.01511.1	1152	44235	1.00E-175	311	311	100 -	1	311	30182	30492
UN18430	Rsa1.0.01559.1	2031	43262	0	1181	1189	99 +	840	2026	33099	34287
UN18431	Rsa1.0.05355.1	745	14069	0	580	609	95 -	1	600	4534	5139
UN18432	Rsa1.0.01323.1	1144	48152	1.00E-151	298	306	97 +	1	304	26865	27170
UN18433	Rsa1.0.02074.1	1115	35370	0	462	496	93 +	5	493	12043	12527
UN18434	Rsa1.0.02026.1	1200	35896	0	580	589	98 -	1	583	22657	23242
UN18435	Rsa1.0.01270.1	1796	49574	0	779	779	100 -	435	1213	29988	30766
UN18436	Rsa1.0.01172.1	1020	51734	0	418	424	98 -	10	433	27421	27844
UN18437	Rsa1.0.00107.1	1167	431659	1.00E-166	338	352	96 -	806	1157	314611	314962
UN18438	Rsa1.0.03799.1	1437	20775	0	426	439	97 +	793	1231	18208	18646
UN18439	Rsa1.0.01634.1	1025	41865	1.00E-147	332	349	95 +	2	345	38759	39103
UN18440	Rsa1.0.00863.1	1513	254535	0	562	574	97 +	2	575	126460	127032
UN18441	Rsa1.0.01506.1	1140	44370	1.00E-141	312	327	95 -	815	1140	34074	34398
UN18442	Rsa1.0.01169.1	818	51829	0	813	817	99 +	1	816	5715	6531
UN18443	Rsa1.0.00065.1	1441	454616	1.00E-142	276	280	98 -	1	279	116989	117267
UN18444	Rsa1.0.01931.1	766	37187	1.00E-144	368	400	92 -	1	398	32029	32413
UN18445	Rsa1.0.00336.1	1214	445051	1.00E-126	245	250	98 +	462	711	164694	164943

UN18446	Rsa1.0.03547.1	1358	22167	0	625	635	98 -	1	634	1874	2508
UN18447	Rsa1.0.03037.1	1735	25825	0	612	630	97 -	521	1145	11252	11881
UN18448	Rsa1.0.01696.1	1207	301850	1.00E-175	384	402	95 -	801	1197	298784	299179
UN18449	Rsa1.0.05864.1	930	12387	1.00E-123	299	322	92 -	608	928	9853	10165
UN18450	Rsa1.0.02023.1	1423	35922	0	1343	1423	94 -	6	1422	32669	34090
UN18451	Rsa1.0.02835.1	1122	27491	0	517	537	96 -	591	1120	9213	9749
UN18452	Rsa1.0.15018.1	801	2889	1.00E-148	284	290	97 -	222	511	2384	2673
UN18453	Rsa1.0.02476.1	1515	31063	8.00E-80	491	606	81 +	98	677	23812	24412
UN18454	Rsa1.0.05110.1	1208	14814	1.00E-163	308	312	98 +	245	555	5291	5602
UN18455	Rsa1.0.00038.1	994	314568	1.00E-172	309	310	99 +	535	844	249454	249763
UN18456	Rsa1.0.02246.1	972	33435	1.00E-167	356	375	94 -	597	971	4753	5127
UN18457	Rsa1.0.00312.1	1033	96765	1.00E-145	320	345	92 +	1	324	88011	88355
UN18458	Rsa1.0.01170.1	1679	161131	1.00E-163	316	324	97 +	868	1191	10604	10927
UN18459	Rsa1.0.03305.1	1016	147552	0	404	405	99 +	3	407	12490	12894
UN18460	Rsa1.0.00023.1	1583	194764	0	791	800	98 -	686	1484	104143	104941
UN18461	Rsa1.0.01331.1	1712	47944	0	1698	1715	99 -	1	1712	17681	19395
UN18462	Rsa1.0.01173.1	1251	51727	0	561	569	98 -	1	569	32928	33493
UN18463	Rsa1.0.00294.1	2316	144860	0	479	499	95 +	3	500	59118	59616
UN18464	Rsa1.0.14096.1	914	3814	1.00E-112	255	266	95 +	80	342	2615	2879
UN18465	Rsa1.0.00026.1	821	327835	0	808	818	98 +	3	820	41922	42737
UN18466	Rsa1.0.01024.1	1032	56569	0	1025	1030	99 -	2	1031	33919	34948
UN18467	Rsa1.0.01512.1	1650	44234	0	495	516	95 +	635	1150	17477	17992
UN18468	Rsa1.0.01660.1	1888	41400	0	485	521	93 +	1365	1876	30402	30919
UN18469	Rsa1.0.03554.1	1549	22137	0	1544	1547	99 +	1	1547	10349	11895
UN18470	Rsa1.0.00336.1	849	445051	0	739	777	95 -	34	810	146903	147660
UN18471	Rsa1.0.19807.1	933	1380	1.00E-145	325	343	94 -	595	933	365	700
UN18472	Rsa1.0.01884.1	1474	37659	0	565	583	96 -	122	704	20785	21367
UN18473	Rsa1.0.07122.1	941	9866	0	345	352	98 -	590	938	6612	6963
UN18474	Rsa1.0.05338.1	1363	144511	0	414	436	94 -	195	627	6891	7314
UN18475	Rsa1.0.00301.1	1293	365315	1.00E-115	217	219	99 +	22	240	87944	88162
UN18476	Rsa1.0.03668.1	1542	21483	0	508	528	96 -	942	1469	20227	20754
UN18477	Rsa1.0.00086.1	752	439854	0	375	379	98 +	3	381	240929	241307
UN18478	Rsa1.0.00359.1	1406	91256	0	446	446	100 +	961	1406	84690	85135
UN18479	Rsa1.0.00087.1	1259	761073	0	403	405	99 +	854	1258	352672	353076
UN18480	Rsa1.0.04518.1	915	17005	1.00E-159	314	320	98 +	598	915	11675	11992
UN18481	Rsa1.0.00399.1	1095	242951	0	748	763	98 +	2	764	72869	73631
UN18482	Rsa1.0.03851.1	1192	20451	0	377	391	96 +	740	1129	11491	11880
UN18483	Rsa1.0.04428.1	1896	17399	0	1146	1167	98 +	416	1582	6851	8014
UN18484	Rsa1.0.01559.1	1143	43262	1.00E-127	304	327	92 +	3	329	3014	3329

UN18485	Rsa1.0.03985.1	1185	19704	0	949	975	97 +	3	977	14374	15342
UN18486	Rsa1.0.00347.1	783	93048	0	443	454	97 -	330	782	70009	70462
UN18487	Rsa1.0.00045.1	1174	328694	1.00E-152	304	312	97 -	1	310	16514	16823
UN18488	Rsa1.0.00800.1	950	63868	0	370	381	97 +	570	950	21908	22279
UN18489	Rsa1.0.00550.1	1708	210790	0	421	423	99 +	1284	1706	60958	61380
UN18490	Rsa1.0.01434.1	1460	45951	0	446	470	94 -	1	462	39461	39930
UN18491	Rsa1.0.00687.1	1366	68494	1.00E-133	270	279	96 -	1088	1366	1925	2200
UN18492	Rsa1.0.03555.1	841	22129	0	673	677	99 +	160	835	16383	17059
UN18493	Rsa1.0.00050.1	1106	237174	1.00E-106	324	368	88 -	745	1104	103893	104244
UN18494	Rsa1.0.00018.1	923	410899	1.00E-156	308	316	97 -	18	328	128266	128580
UN18495	Rsa1.0.03201.1	993	157656	0	897	996	90 -	12	993	20750	21737
UN18496	Rsa1.0.00420.1	768	86496	0	566	568	99 -	160	727	41171	41738
UN18497	Rsa1.0.02836.1	1093	27481	1.00E-125	234	236	99 -	510	745	13279	13514
UN18498	Rsa1.0.01068.1	1045	55208	1.00E-125	244	249	97 -	7	251	10091	10339
UN18499	Rsa1.0.01976.1	987	36570	1.00E-133	349	379	92 -	606	979	25218	25588
UN18500	Rsa1.0.28177.1	928	825	1.00E-164	317	324	97 +	607	928	459	782
UN18501	Rsa1.0.00067.1	1343	415055	1.00E-108	214	219	97 -	368	586	41964	42182
UN18502	Rsa1.0.09929.1	569	6087	0	566	567	99 +	1	567	173	739
UN18503	Rsa1.0.00646.1	931	70473	0	678	691	98 -	238	927	1728	2417
UN18504	Rsa1.0.00121.1	2002	278029	1.00E-140	259	261	99 +	1742	2002	80339	80599
UN18505	Rsa1.0.01803.1	943	173846	0	404	426	94 -	3	421	137460	137885
UN18506	Rsa1.0.00028.1	975	293984	0	334	336	99 -	639	974	253781	254116
UN18507	Rsa1.0.00806.1	1343	63674	1.00E-154	313	322	97 -	3	323	29072	29389
UN18508	Rsa1.0.00544.1	683	76787	1.00E-144	277	283	97 +	377	659	445	721
UN18509	Rsa1.0.01411.1	925	46326	1.00E-170	309	311	99 +	11	321	36020	36330
UN18510	Rsa1.0.01593.1	1351	150996	0	421	421	100 -	902	1322	149430	149850
UN18511	Rsa1.0.01412.1	1631	46311	0	548	549	99 -	502	1050	11181	11729
UN18512	Rsa1.0.00653.1	1199	70029	0	396	403	98 +	1	400	26626	27027
UN18513	Rsa1.0.00442.1	1198	84596	0	593	600	98 -	2	600	13141	13740
UN18514	Rsa1.0.02079.1	1170	35306	0	418	419	99 +	751	1169	7765	8183
UN18515	Rsa1.0.00786.1	1017	64285	0	364	366	99 -	3	368	50723	51087
UN18516	Rsa1.0.36951.1	1079	610	0	414	440	94 -	3	422	1	440
UN18517	Rsa1.0.15111.1	1481	2818	1.00E-151	272	272	100 -	1208	1479	1444	1715
UN18518	Rsa1.0.02969.1	808	26390	0	667	697	95 +	3	692	23180	23875
UN18519	Rsa1.0.08085.1	1317	7934	0	721	739	97 -	562	1300	5075	5812
UN18520	Rsa1.0.01211.1	812	50646	0	803	816	98 -	1	812	15179	15989
UN18521	Rsa1.0.00153.1	1189	192931	1.00E-96	282	314	89 -	4	307	170695	171004
UN18522	Rsa1.0.00938.1	1314	193891	0	688	703	97 +	612	1314	50748	51450
UN18523	Rsa1.0.03376.1	1226	23326	0	461	482	95 +	13	488	18750	19225

UN18524	Rsa1.0.00139.1	1352	357786	0	736	750	98 -	601	1350	120058	120807
UN18525	Rsa1.0.05324.1	1026	14145	0	405	411	98 +	195	605	11922	12332
UN18526	Rsa1.0.00193.1	1685	194198	0	439	441	99 -	418	858	98615	99055
UN18527	Rsa1.0.00182.1	1350	142305	0	698	717	97 -	2	718	94201	94913
UN18528	Rsa1.0.00087.1	651	761073	1.00E-145	279	285	97 +	327	611	532516	532800
UN18529	Rsa1.0.02984.1	1654	26263	1.00E-171	350	357	98 -	242	592	5683	6039
UN18530	Rsa1.0.00838.1	1108	153820	1.00E-108	230	239	96 -	1	238	35295	35533
UN18531	Rsa1.0.03158.1	2092	24950	0	533	542	98 +	7	546	15094	15633
UN18532	Rsa1.0.00098.1	926	349239	0	400	400	100 +	1	400	228899	229298
UN18533	Rsa1.0.00119.1	1436	467509	0	1262	1302	96 +	1	1293	346494	347789
UN18534	Rsa1.0.00654.1	969	70012	0	435	439	99 +	1	438	32608	33046
UN18535	Rsa1.0.01301.1	1134	169072	0	493	508	97 -	620	1124	41711	42218
UN18536	Rsa1.0.01124.1	1667	53295	0	1202	1231	97 +	1	1228	50492	51721
UN18537	Rsa1.0.14084.1	1128	3822	0	463	468	98 +	454	921	281	748
UN18538	Rsa1.0.00141.1	1142	121494	1.00E-178	325	328	99 +	1	328	110498	110825
UN18539	Rsa1.0.00042.1	990	171507	0	485	510	95 +	2	509	143914	144412
UN18540	Rsa1.0.02786.1	904	27880	0	480	482	99 +	3	483	18704	19185
UN18541	Rsa1.0.00540.1	1261	76895	1.00E-136	249	250	99 -	590	839	35535	35784
UN18542	Rsa1.0.00466.1	986	82132	0	867	897	96 -	1	889	27152	28045
UN18543	Rsa1.0.01196.1	2048	51097	0	515	526	97 -	1030	1554	26796	27317
UN18544	Rsa1.0.03664.1	840	21487	0	539	550	98 -	1	549	10815	11364
UN18545	Rsa1.0.00545.1	1331	189649	0	526	538	97 -	789	1326	37246	37783
UN18546	Rsa1.0.03640.1	1476	21624	1.00E-176	368	385	95 +	2	385	17081	17454
UN18547	Rsa1.0.09407.1	1273	6390	0	537	551	97 -	45	593	1529	2077
UN18548	Rsa1.0.01747.1	1135	39881	0	1097	1112	98 +	1	1111	15949	17059
UN18549	Rsa1.0.00001.1	1492	363028	0	392	406	96 +	1	402	249949	250354
UN18550	Rsa1.0.00053.1	913	263459	1.00E-107	229	240	95 -	1	234	50661	50900
UN18551	Rsa1.0.00676.1	1464	69166	0	1001	1011	99 -	453	1462	61418	62428
UN18552	Rsa1.0.00240.1	1050	104175	1.00E-170	307	308	99 +	742	1049	20254	20561
UN18553	Rsa1.0.01296.1	1023	49035	1.00E-111	205	205	100 +	561	765	13100	13304
UN18554	Rsa1.0.00013.1	779	292129	4.00E-83	172	176	97 -	1	176	206086	206259
UN18555	Rsa1.0.00065.1	1827	454616	0	356	357	99 -	1096	1452	224536	224892
UN18556	Rsa1.0.18047.1	1462	1682	5.00E-78	149	149	100 +	165	313	1431	1579
UN18557	Rsa1.0.00235.1	967	154696	0	408	410	99 +	4	413	146397	146806
UN18558	Rsa1.0.10100.1	1569	5998	0	517	518	99 +	1052	1569	877	1394
UN18559	Rsa1.0.00044.1	1269	271658	0	355	358	99 +	911	1268	133405	133762
UN18560	Rsa1.0.00055.1	1648	520193	0	615	615	100 +	1	615	401231	401845
UN18561	Rsa1.0.00608.1	1574	172672	0	1365	1372	99 +	202	1573	19560	20931
UN18562	Rsa1.0.05172.1	2093	14608	0	1806	1831	98 +	106	1931	9667	11495

UN18563	Rsa1.0.00846.1	1633	62342	0	1157	1170	98 -	460	1629	31233	32398
UN18564	Rsa1.0.03001.1	1099	26108	0	454	454	100 -	646	1099	5371	5824
UN18565	Rsa1.0.00196.1	1444	109960	0	675	678	99 -	767	1444	53072	53749
UN18566	Rsa1.0.07881.1	1389	8369	1.00E-149	313	325	96 +	78	399	2930	3251
UN18567	Rsa1.0.00608.1	802	172672	0	527	546	96 +	239	780	3169	3708
UN18568	Rsa1.0.02129.1	525	34757	0	394	407	96 +	119	525	29381	29785
UN18569	Rsa1.0.01091.1	1475	54383	0	456	472	96 -	1	472	5374	5845
UN18570	Rsa1.0.02223.1	877	152421	0	875	878	99 +	1	877	25626	26503
UN18571	Rsa1.0.03165.1	994	24866	0	722	741	97 +	260	994	21465	22200
UN18572	Rsa1.0.02005.1	809	36137	1.00E-104	229	241	95 +	3	238	6393	6633
UN18573	Rsa1.0.00467.1	833	156542	0	798	843	94 +	1	832	92934	93769
UN18574	Rsa1.0.05389.1	1763	13943	0	991	1052	94 +	3	1037	7219	8249
UN18575	Rsa1.0.00667.1	1044	69460	0	537	560	95 -	477	1036	23995	24549
UN18576	Rsa1.0.00088.1	1276	141341	0	776	789	98 -	7	795	42241	43029
UN18577	Rsa1.0.00087.1	1742	761073	0	1723	1751	98 +	2	1742	275772	277513
UN18578	Rsa1.0.00599.1	1249	73418	0	1206	1219	98 +	2	1220	39408	40625
UN18579	Rsa1.0.00102.1	1093	135497	2.00E-95	204	212	96 +	843	1051	51183	51394
UN18580	Rsa1.0.00066.1	1621	152418	0	694	709	97 +	30	737	17596	18304
UN18581	Rsa1.0.03341.1	940	23604	0	543	581	93 +	360	939	2950	3527
UN18582	Rsa1.0.00487.1	730	80674	7.00E-85	166	168	98 +	276	443	8246	8413
UN18583	Rsa1.0.07193.1	1338	9752	0	633	638	99 -	5	642	3	639
UN18584	Rsa1.0.04768.1	1379	16066	0	1370	1384	98 +	1	1379	4080	5462
UN18585	Rsa1.0.00065.1	1168	454616	0	688	716	96 -	459	1168	150657	151371
UN18586	Rsa1.0.01940.1	1651	37073	0	482	482	100 +	500	981	8086	8567
UN18587	Rsa1.0.03506.1	1330	22416	0	478	498	95 +	834	1330	8413	8907
UN18588	Rsa1.0.02092.1	573	35135	0	376	377	99 -	197	573	30332	30708
UN18589	Rsa1.0.07959.1	778	8173	1.00E-125	236	239	98 +	2	240	5603	5841
UN18590	Rsa1.0.00251.1	2196	303968	0	353	355	99 -	3	357	39415	39769
UN18591	Rsa1.0.04934.1	1611	143962	0	1487	1531	97 +	16	1543	11179	12707
UN18592	Rsa1.0.07314.1	1713	9563	0	630	632	99 +	580	1211	5776	6407
UN18593	Rsa1.0.07251.1	1359	9662	0	442	449	98 -	1	449	8993	9436
UN18594	Rsa1.0.02439.1	1033	31379	0	965	981	98 -	1	979	22953	23933
UN18595	Rsa1.0.02420.1	1287	31580	0	737	749	98 +	9	751	13687	14435
UN18596	Rsa1.0.04925.1	963	15424	1.00E-160	397	429	92 -	525	943	9282	9704
UN18597	Rsa1.0.07636.1	1182	8971	0	691	691	100 -	3	693	3556	4246
UN18598	Rsa1.0.00059.1	981	159650	0	405	423	95 +	1	416	130999	131418
UN18599	Rsa1.0.00127.1	1196	127446	0	432	434	99 -	763	1196	46527	46960
UN18600	Rsa1.0.02434.1	1698	31464	0	755	765	98 -	2	765	27271	28032
UN18601	Rsa1.0.00838.1	1007	153820	1.00E-171	330	336	98 +	3	336	38110	38444

UN18602	Rsa1.0_00971.1	1036	57973	0	385	385	100 +	3	387	47270	47654
UN18603	Rsa1.0_18022.1	567	1687	0	357	361	98 -	207	567	419	779
UN18604	Rsa1.0_06728.1	968	10455	1.00E-161	366	387	94 -	579	961	9063	9448
UN18605	Rsa1.0_04488.1	1461	17155	0	657	672	97 +	3	674	13391	14062
UN18606	Rsa1.0_02248.1	1545	33414	0	463	470	98 -	566	1033	12478	12947
UN18607	Rsa1.0_01489.1	1271	44764	1.00E-174	335	343	97 +	92	430	127	469
UN18608	Rsa1.0_00113.1	498	131574	0	490	498	98 -	1	498	60382	60879
UN18609	Rsa1.0_01412.1	916	46311	0	519	519	100 -	2	520	2268	2786
UN18610	Rsa1.0_01533.1	1040	43765	0	385	390	98 -	104	493	9229	9618
UN18611	Rsa1.0_04772.1	1600	16040	1.00E-127	245	247	99 +	1	245	5454	5700
UN18612	Rsa1.0_01779.1	1710	39448	0	709	802	88 +	899	1699	9724	10521
UN18613	Rsa1.0_00017.1	876	752458	1.00E-99	200	204	98 -	4	207	608166	608367
UN18614	Rsa1.0_00098.1	1048	349239	0	449	485	92 +	6	475	235871	236346
UN18615	Rsa1.0_00383.1	827	398431	3.00E-84	255	283	90 +	5	269	182122	182404
UN18616	Rsa1.0_00201.1	1410	232851	0	412	419	98 -	3	421	4812	5228
UN18617	Rsa1.0_00715.1	1320	67116	0	473	473	100 +	1	473	26725	27197
UN18618	Rsa1.0_00048.1	919	167185	1.00E-123	233	236	98 -	2	237	33623	33858
UN18619	Rsa1.0_00367.1	1629	90750	0	646	648	99 -	983	1629	78116	78763
UN18620	Rsa1.0_08837.1	1484	6874	0	351	354	99 +	1	353	2905	3258
UN18621	Rsa1.0_00180.1	1113	114581	0	398	406	98 -	1	406	111408	111810
UN18622	Rsa1.0_00837.1	1470	62568	1.00E-143	336	358	93 +	32	383	50670	51024
UN18623	Rsa1.0_06102.1	1302	11740	0	550	563	97 -	431	993	3255	3817
UN18624	Rsa1.0_00412.1	1492	86935	0	712	714	99 -	762	1475	14941	15654
UN18625	Rsa1.0_01326.1	753	48072	0	412	417	98 +	1	416	43750	44166
UN18626	Rsa1.0_09203.1	724	6559	0	719	727	98 +	1	724	650	1376
UN18627	Rsa1.0_02269.1	1677	33168	0	621	640	97 +	416	1055	23759	24398
UN18628	Rsa1.0_11276.1	1193	5560	0	356	361	98 +	118	478	4	364
UN18629	Rsa1.0_01845.1	1151	38415	8.00E-98	224	234	95 -	1	232	8035	8267
UN18630	Rsa1.0_00546.1	581	76523	0	462	482	95 +	111	581	58516	58997
UN18631	Rsa1.0_03211.1	1670	24591	0	608	617	98 -	2	617	9059	9675
UN18632	Rsa1.0_20083.1	835	1343	0	390	397	98 +	1	397	152	547
UN18633	Rsa1.0_00234.1	1258	197060	0	462	465	99 +	792	1256	152696	153160
UN18634	Rsa1.0_00972.1	1500	57937	0	579	584	99 +	229	811	52610	53193
UN18635	Rsa1.0_03894.1	871	20207	0	335	335	100 +	1	335	18461	18795
UN18636	Rsa1.0_00797.1	708	63959	1.00E-119	236	241	97 -	2	241	41753	41993
UN18637	Rsa1.0_00001.1	1991	363028	0	498	512	97 -	1	509	203498	204009
UN18638	Rsa1.0_00002.1	1245	601661	1.00E-168	328	336	97 -	910	1244	13141	13476
UN18639	Rsa1.0_49161.1	1337	461	1.00E-106	241	253	95 -	1063	1313	14	262
UN18640	Rsa1.0_05554.1	637	13343	0	597	627	95 -	10	635	12429	13049

UN18641	Rsa1.0_00628.1	611	214360	1.00E-119	228	231	98 -	3	233	53812	54039
UN18642	Rsa1.0_00092.1	1266	659932	0	948	959	98 -	311	1266	530973	531931
UN18643	Rsa1.0_00546.1	837	76523	0	816	827	98 +	8	834	24901	25724
UN18644	Rsa1.0_00706.1	1133	291570	1.00E-145	262	262	100 -	586	847	1	262
UN18645	Rsa1.0_01396.1	1894	151624	1.00E-177	337	342	98 +	3	341	136190	136530
UN18646	Rsa1.0_00017.1	2192	752458	0	1557	1576	98 +	617	2192	360274	361838
UN18647	Rsa1.0_02383.1	1967	31931	0	922	922	100 -	229	1150	16329	17250
UN18648	Rsa1.0_00668.1	879	69421	1.00E-143	303	314	96 +	545	856	14760	15072
UN18649	Rsa1.0_01938.1	857	264018	0	600	621	96 -	240	856	159646	160265
UN18650	Rsa1.0_00741.1	1049	66117	0	365	365	100 +	685	1049	50868	51232
UN18651	Rsa1.0_00589.1	1283	209965	1.00E-140	271	277	97 -	422	698	189295	189571
UN18652	Rsa1.0_00497.1	920	79830	0	429	433	99 +	488	920	73170	73602
UN18653	Rsa1.0_01090.1	779	54385	1.00E-175	396	424	93 -	354	777	3212	3626
UN18654	Rsa1.0_02625.1	920	139104	0	390	398	97 -	38	432	13985	14381
UN18655	Rsa1.0_00374.1	1319	165738	0	1314	1317	99 +	3	1319	163177	164493
UN18656	Rsa1.0_00220.1	891	192936	0	335	336	99 -	556	891	143125	143460
UN18657	Rsa1.0_00194.1	782	110851	0	383	384	99 +	398	781	42338	42721
UN18658	Rsa1.0_01468.1	710	45146	0	377	387	97 +	1	387	33809	34195
UN18659	#	#	#	#	#	#	#	#	#	#	#
UN18660	Rsa1.0_00128.1	1769	228675	0	419	423	99 -	1342	1764	100520	100941
UN18661	Rsa1.0_01363.1	2091	47195	0	775	786	98 -	97	882	1763	2548
UN18662	Rsa1.0_02107.1	556	34940	0	412	419	98 +	139	556	11867	12285
UN18663	Rsa1.0_00653.1	1223	70029	0	628	646	97 -	587	1223	54934	55579
UN18664	Rsa1.0_00265.1	1114	220635	0	990	1000	99 -	115	1114	207966	208965
UN18665	Rsa1.0_00222.1	891	172263	1.00E-170	307	308	99 +	113	420	28919	29226
UN18666	Rsa1.0_01785.1	1095	39368	0	496	499	99 +	589	1086	27142	27640
UN18667	Rsa1.0_00550.1	1068	210790	1.00E-118	249	259	96 +	3	259	58216	58474
UN18668	Rsa1.0_01363.1	1305	47195	0	492	495	99 -	17	511	674	1168
UN18669	Rsa1.0_00853.1	1468	62101	0	1463	1467	99 -	1	1466	35741	37205
UN18670	Rsa1.0_00714.1	1017	67187	0	368	368	100 +	648	1015	14249	14616
UN18671	Rsa1.0_00954.1	804	189536	0	794	803	98 -	2	804	31811	32612
UN18672	Rsa1.0_00044.1	868	271658	0	336	336	100 -	461	796	264749	265084
UN18673	Rsa1.0_00740.1	1735	215972	0	1042	1046	99 -	1	1046	198503	199548
UN18674	Rsa1.0_02910.1	1455	26843	0	445	452	98 -	1004	1455	10823	11273
UN18675	Rsa1.0_09707.1	824	6199	1.00E-135	355	389	91 +	436	824	5205	5577
UN18676	Rsa1.0_01661.1	1183	41400	0	773	783	98 -	319	1101	32175	32957
UN18677	Rsa1.0_01827.1	845	143321	9.00E-94	184	187	98 -	345	531	128843	129029
UN18678	Rsa1.0_00895.1	1281	60615	0	477	483	98 +	429	911	39139	39621
UN18679	Rsa1.0_02198.1	1066	33989	1.00E-166	306	309	99 -	635	943	23969	24277

UN18680	Rsa1.0.02726.1	826	28404	0	664	670	99 -	144	813	8406	9075
UN18681	Rsa1.0.00746.1	1185	66044	1.00E-167	307	310	99 +	206	515	21064	21373
UN18682	Rsa1.0.00399.1	1990	242951	0	1946	1994	97 +	1	1990	238572	240562
UN18683	Rsa1.0.04194.1	786	132734	0	570	604	94 +	2	601	123389	123988
UN18684	Rsa1.0.00040.1	1401	324196	0	668	711	93 +	693	1400	15517	16201
UN18685	Rsa1.0.06825.1	1974	10297	0	788	791	99 -	398	1188	7176	7966
UN18686	Rsa1.0.00031.1	1059	179862	1.00E-142	271	276	98 +	146	421	172803	173078
UN18687	Rsa1.0.01105.1	694	53958	1.00E-155	278	278	100 -	411	688	7703	7980
UN18688	Rsa1.0.00417.1	1432	395068	0	587	592	99 -	4	592	364722	365313
UN18689	Rsa1.0.00870.1	1219	61606	0	593	600	98 +	592	1187	27218	27817
UN18690	Rsa1.0.07122.1	849	9866	0	399	403	99 -	448	849	5080	5482
UN18691	Rsa1.0.00842.1	1204	62493	0	476	484	98 -	719	1202	14572	15054
UN18692	Rsa1.0.00119.1	1561	467509	1.00E-157	316	325	97 -	164	487	62711	63034
UN18693	Rsa1.0.00284.1	1468	323267	1.00E-136	258	262	98 +	1	262	237097	237358
UN18694	Rsa1.0.00104.1	1550	368722	0	975	1034	94 -	2	1015	68555	69588
UN18695	Rsa1.0.07645.1	1073	8949	0	609	622	97 +	1	622	2495	3116
UN18696	Rsa1.0.06597.1	894	10697	0	426	430	99 -	67	496	4936	5365
UN18697	Rsa1.0.00354.1	1012	232005	0	978	990	98 +	22	1011	76109	77095
UN18698	Rsa1.0.28295.1	2518	821	0	360	361	99 -	446	806	5	365
UN18699	Rsa1.0.36296.1	1156	621	0	351	358	98 +	618	974	1	358
UN18700	Rsa1.0.00070.1	853	150321	1.00E-174	310	310	100 -	3	312	32070	32379
UN18701	Rsa1.0.00602.1	819	73302	0	804	817	98 -	1	817	35784	36596
UN18702	Rsa1.0.00201.1	1310	232851	0	662	684	96 +	481	1164	211	894
UN18703	Rsa1.0.13994.1	919	3941	1.00E-178	347	357	97 -	227	583	1610	1966
UN18704	Rsa1.0.00129.1	1436	126831	0	758	770	98 -	668	1433	34355	35124
UN18705	Rsa1.0.03172.1	1772	24816	0	1686	1705	98 -	1	1701	2171	3875
UN18706	Rsa1.0.01196.1	892	51097	1.00E-176	370	390	94 +	1	387	32459	32837
UN18707	Rsa1.0.00023.1	945	194764	0	385	387	99 -	370	756	96929	97315
UN18708	Rsa1.0.00426.1	1381	85668	1.00E-124	297	318	93 +	14	328	30271	30583
UN18709	Rsa1.0.03155.1	1495	24958	0	1385	1394	99 +	1	1394	20481	21874
UN18710	Rsa1.0.00642.1	1400	201230	0	510	516	98 +	883	1398	30064	30578
UN18711	Rsa1.0.00116.1	1451	365886	1.00E-115	289	315	91 -	45	359	67695	67993
UN18712	Rsa1.0.00648.1	1108	70351	0	398	407	97 -	1	407	31295	31701
UN18713	Rsa1.0.30970.1	1626	740	0	326	327	99 -	1011	1337	259	585
UN18714	Rsa1.0.01476.1	842	172928	1.00E-164	320	329	97 +	9	337	134299	134627
UN18715	Rsa1.0.04235.1	1649	18373	0	378	385	98 -	1016	1399	1875	2259
UN18716	Rsa1.0.04641.1	800	268012	1.00E-180	327	328	99 +	472	798	132021	132348
UN18717	Rsa1.0.05784.1	1027	12643	0	398	414	96 -	2	414	1645	2057
UN18718	Rsa1.0.02452.1	950	31280	0	545	545	100 +	406	950	13663	14207

UN18719	Rsa1.0.00483.1	1227	81102	0	553	555	99 +	440	994	2359	2913
UN18720	Rsa1.0.00105.1	896	134138	0	644	684	94 -	226	889	1925	2604
UN18721	Rsa1.0.13941.1	1639	4043	0	482	491	98 +	1093	1583	3554	4043
UN18722	Rsa1.0.00307.1	1223	199003	0	383	402	95 -	1	399	70435	70829
UN18723	Rsa1.0.00077.1	2318	145005	0	522	524	99 -	1795	2318	40534	41057
UN18724	Rsa1.0.00017.1	1984	752458	1.00E-140	396	435	91 +	1556	1984	718544	718965
UN18725	Rsa1.0.01812.1	1474	38956	0	1465	1472	99 -	1	1472	23997	25468
UN18726	Rsa1.0.00321.1	434	95671	1.00E-135	254	256	99 +	178	433	56950	57204
UN18727	Rsa1.0.00006.1	1200	396176	0	1190	1199	99 +	1	1199	266273	267471
UN18728	Rsa1.0.00414.1	1381	202190	0	1316	1401	93 +	1	1381	14739	16134
UN18729	Rsa1.0.00387.1	1045	495407	1.00E-167	319	326	97 -	689	1014	1271	1596
UN18730	Rsa1.0.02393.1	1448	31795	0	1442	1447	99 +	1	1447	14243	15689
UN18731	Rsa1.0.00053.1	1905	263459	0	1180	1193	98 -	713	1905	229615	230807
UN18732	Rsa1.0.03353.1	1400	23496	0	637	640	99 -	1	638	18009	18648
UN18733	Rsa1.0.07056.1	1071	9969	1.00E-173	393	424	92 -	651	1062	1789	2206
UN18734	Rsa1.0.14752.1	687	3100	1.00E-113	225	231	97 +	456	686	33	263
UN18735	Rsa1.0.01583.1	899	156297	8.00E-85	172	176	97 -	109	284	130377	130552
UN18736	Rsa1.0.02135.1	1829	34713	0	705	716	98 -	1036	1750	7000	7715
UN18737	Rsa1.0.06938.1	905	10140	2.00E-60	178	195	91 -	682	874	9785	9979
UN18738	Rsa1.0.10918.1	1504	5679	0	900	929	96 -	580	1504	2063	2989
UN18739	Rsa1.0.00433.1	1880	85381	0	573	587	97 -	3	586	79697	80279
UN18740	Rsa1.0.02103.1	1746	35006	0	488	500	97 -	137	636	34046	34545
UN18741	Rsa1.0.00318.1	1130	96094	0	356	359	99 +	771	1128	76649	77007
UN18742	Rsa1.0.00078.1	1169	175053	0	405	428	94 -	388	812	101013	101438
UN18743	Rsa1.0.06590.1	1246	10706	0	686	709	96 -	244	951	2006	2708
UN18744	Rsa1.0.00371.1	1236	90463	0	1221	1235	98 +	2	1236	19905	21138
UN18745	Rsa1.0.00480.1	1172	81325	0	441	456	96 +	385	840	4323	4778
UN18746	Rsa1.0.01236.1	825	50156	1.00E-132	239	239	100 -	587	825	40363	40601
UN18747	Rsa1.0.00662.1	1249	192183	1.00E-101	246	264	93 -	883	1145	4988	5251
UN18748	Rsa1.0.01876.1	1282	37800	1.00E-103	199	200	99 -	1083	1282	9795	9993
UN18749	Rsa1.0.10764.1	1101	5726	1.00E-147	325	350	92 -	735	1064	2496	2845
UN18750	Rsa1.0.00545.1	1837	189649	0	489	497	98 -	1340	1835	44747	45243
UN18751	Rsa1.0.00900.1	1010	60367	1.00E-141	294	306	96 +	703	1007	29910	30215
UN18752	Rsa1.0.00818.1	1575	62939	0	783	809	96 +	768	1575	36240	37036
UN18753	Rsa1.0.00805.1	1067	63724	0	363	371	97 -	212	582	15725	16095
UN18754	Rsa1.0.02682.1	1333	28711	0	1003	1045	95 -	210	1251	16904	17947
UN18755	Rsa1.0.08551.1	2110	7210	0	1965	1977	99 -	3	1970	3	1979
UN18756	Rsa1.0.04600.1	1132	16694	0	482	498	96 +	633	1130	1433	1930
UN18757	Rsa1.0.01041.1	682	55910	1.00E-123	232	233	99 -	3	234	9812	10044

UN18758	Rsa1.0.03786.1	1218	20879	0	664	716	92 -	108	821	13224	13939
UN18759	Rsa1.0.00144.1	779	120708	0	386	388	99 -	392	779	79316	79702
UN18760	Rsa1.0.00067.1	1214	415055	0	494	506	97 -	9	514	237446	237951
UN18761	Rsa1.0.15455.1	1349	2595	0	604	618	97 +	1	615	1697	2313
UN18762	Rsa1.0.00329.1	1318	222544	1.00E-164	617	725	85 -	197	903	139552	140273
UN18763	Rsa1.0.00107.1	1382	431659	0	811	853	95 +	17	862	86606	87435
UN18764	Rsa1.0.00490.1	1174	186713	0	569	573	99 -	1	572	31223	31795
UN18765	Rsa1.0.03141.1	1187	25061	1.00E-177	338	345	97 -	841	1185	4256	4597
UN18766	Rsa1.0.00006.1	1267	396176	0	348	352	98 +	1	351	100733	101082
UN18767	Rsa1.0.00916.1	950	59789	1.00E-130	243	245	99 +	158	402	13276	13520
UN18768	Rsa1.0.00262.1	967	101906	0	415	424	97 -	1	423	66278	66700
UN18769	Rsa1.0.00732.1	1291	66631	1.00E-157	321	334	96 +	12	345	1795	2123
UN18770	Rsa1.0.01376.1	838	47004	0	392	400	98 -	1	400	41027	41426
UN18771	Rsa1.0.00021.1	1799	263655	1.00E-166	312	317	98 -	559	875	15808	16124
UN18772	Rsa1.0.00149.1	1162	305196	1.00E-65	216	244	88 +	741	984	12986	13228
UN18773	Rsa1.0.00194.1	826	110851	0	520	527	98 +	1	527	7904	8430
UN18774	Rsa1.0.12259.1	1442	5273	1.00E-162	334	348	95 +	164	511	487	831
UN18775	Rsa1.0.00247.1	909	103408	0	347	347	100 +	561	907	9307	9653
UN18776	Rsa1.0.00017.1	1562	752458	0	877	879	99 -	651	1529	615886	616764
UN18777	Rsa1.0.08544.1	1105	7215	0	354	358	98 -	4	361	5274	5630
UN18778	Rsa1.0.02110.1	1022	34919	1.00E-132	239	239	100 -	784	1022	23653	23891
UN18779	Rsa1.0.00058.1	1324	159921	1.00E-167	355	372	95 +	511	877	118433	118804
UN18780	Rsa1.0.00002.1	1461	601661	0	575	600	95 +	864	1457	33588	34173
UN18781	Rsa1.0.00079.1	1428	606987	0	520	525	99 +	2	526	81236	81760
UN18782	Rsa1.0.00361.1	1544	91181	0	1198	1242	96 +	317	1543	47136	48374
UN18783	Rsa1.0.00002.1	830	601661	0	510	515	99 -	316	830	240792	241305
UN18784	Rsa1.0.01004.1	813	56975	0	430	461	93 -	365	806	16883	17342
UN18785	Rsa1.0.03828.1	1141	20588	0	1112	1143	97 +	3	1141	10638	11780
UN18786	Rsa1.0.06101.1	1268	11745	1.00E-103	197	199	98 -	160	358	1332	1530
UN18787	Rsa1.0.00980.1	2450	57729	0	1910	1943	98 -	508	2446	7089	9026
UN18788	Rsa1.0.01876.1	782	37800	0	568	590	96 +	194	782	20518	21107
UN18789	Rsa1.0.02579.1	1069	29923	0	486	489	99 +	583	1069	28379	28867
UN18790	Rsa1.0.00155.1	1675	118465	0	975	1009	96 -	2	1010	61433	62438
UN18791	Rsa1.0.00017.1	798	752458	1.00E-103	203	207	98 -	100	306	644525	644731
UN18792	Rsa1.0.00460.1	1069	206387	1.00E-152	279	281	99 +	309	589	35604	35884
UN18793	Rsa1.0.02839.1	1387	27391	0	355	365	97 -	236	600	18841	19205
UN18794	Rsa1.0.00946.1	862	58666	1.00E-142	281	289	97 -	557	845	48137	48425
UN18795	Rsa1.0.01118.1	2599	53460	0	446	467	95 +	353	819	11739	12205
UN18796	Rsa1.0.00710.1	1003	67325	0	353	356	99 +	646	1001	26519	26874

UN18797	Rsa1.0.00875.1	1851	61371	0	834	856	97 +	998	1850	37621	38474
UN18798	Rsa1.0.00434.1	802	85171	0	560	566	98 -	237	802	1504	2069
UN18799	Rsa1.0.03434.1	631	22960	1.00E-140	339	364	93 -	276	631	12113	12476
UN18800	Rsa1.0.19324.1	1560	1447	9.00E-86	165	166	99 -	502	667	1029	1194
UN18801	Rsa1.0.05423.1	1045	13800	1.00E-114	248	263	94 -	10	272	9118	9368
UN18802	Rsa1.0.00379.1	1226	89865	0	527	529	99 +	454	982	11782	12310
UN18803	Rsa1.0.00070.1	713	150321	0	376	376	100 +	1	376	146028	146403
UN18804	Rsa1.0.00716.1	1196	67078	0	1027	1076	95 +	122	1194	1	1058
UN18805	Rsa1.0.00226.1	922	105884	0	499	512	97 +	56	567	97510	98021
UN18806	Rsa1.0.01134.1	1002	52829	0	992	1003	98 +	1	1001	1608	2610
UN18807	Rsa1.0.03541.1	1375	22194	0	1359	1378	98 +	3	1375	9567	10939
UN18808	Rsa1.0.00977.1	553	198001	0	463	492	94 -	3	486	50788	51279
UN18809	Rsa1.0.01236.1	859	50156	1.00E-104	199	201	99 +	220	420	44319	44519
UN18810	Rsa1.0.00690.1	815	140527	1.00E-74	207	224	92 -	52	271	31841	32061
UN18811	Rsa1.0.00001.1	1182	363028	0	478	480	99 -	703	1182	349184	349663
UN18812	Rsa1.0.05546.1	1119	13379	1.00E-135	282	292	96 +	381	670	7603	7894
UN18813	Rsa1.0.00686.1	1464	68511	1.00E-154	285	287	99 +	1176	1462	59729	60013
UN18814	Rsa1.0.00429.1	1605	85559	0	735	750	98 -	69	818	23587	24336
UN18815	Rsa1.0.06489.1	1005	10917	0	482	482	100 -	29	510	4840	5321
UN18816	Rsa1.0.00628.1	657	214360	1.00E-163	326	335	97 +	1	333	34425	34758
UN18817	Rsa1.0.03016.1	1065	26000	1.00E-148	272	274	99 -	17	290	24452	24725
UN18818	Rsa1.0.01675.1	744	41155	1.00E-153	287	290	98 +	1	289	10320	10609
UN18819	Rsa1.0.00543.1	1186	76788	0	452	476	94 +	2	468	17171	17643
UN18820	Rsa1.0.05631.1	762	13127	1.00E-139	310	326	95 -	38	359	4477	4802
UN18821	Rsa1.0.03916.1	1103	20117	0	463	465	99 +	1	465	13460	13924
UN18822	Rsa1.0.00120.1	1358	277288	0	763	776	98 -	393	1164	272480	273251
UN18823	Rsa1.0.00741.1	1529	66117	1.00E-162	309	314	98 +	13	325	46297	46610
UN18824	Rsa1.0.01453.1	1055	45449	1.00E-132	333	369	90 -	702	1046	25082	25450
UN18825	Rsa1.0.00010.1	968	294827	0	381	383	99 +	33	415	269513	269894
UN18826	Rsa1.0.00108.1	1279	478491	1.00E-96	264	286	92 +	99	371	67382	67663
UN18827	Rsa1.0.03005.1	679	26082	0	654	685	95 +	3	679	19677	20352
UN18828	Rsa1.0.00586.1	897	163802	1.00E-116	244	253	96 +	161	412	154481	154733
UN18829	Rsa1.0.08526.1	1298	7236	0	376	382	98 +	916	1297	1300	1681
UN18830	Rsa1.0.00363.1	770	90968	0	753	770	97 -	1	770	14384	15153
UN18831	Rsa1.0.00190.1	873	318240	1.00E-175	353	367	96 -	177	543	4626	4992
UN18832	Rsa1.0.00494.1	866	79967	0	856	865	98 +	3	866	48939	49803
UN18833	Rsa1.0.00026.1	1032	327835	1.00E-127	294	312	94 -	731	1030	191591	191902
UN18834	Rsa1.0.04387.1	1187	17625	0	478	498	95 -	1	488	7587	8082
UN18835	Rsa1.0.01469.1	1340	45139	1.00E-166	311	316	98 +	355	670	18477	18792

UN18836	Rsa1.0_15186.1	828	2772	4.00E-74	154	158	97 -	74	231	1966	2123
UN18837	Rsa1.0_00094.1	836	139042	1.00E-157	330	346	95 +	13	358	4652	4992
UN18838	Rsa1.0_00821.1	1069	62891	0	454	468	97 +	3	469	46889	47355
UN18839	Rsa1.0_00521.1	1390	78191	0	448	449	99 -	1	449	64098	64546
UN18840	Rsa1.0_00662.1	843	192183	1.00E-155	300	306	98 -	1	305	190197	190502
UN18841	Rsa1.0_01851.1	603	38275	1.00E-161	321	328	97 -	278	603	28477	28803
UN18842	Rsa1.0_03356.1	3393	23487	0	1318	1321	99 +	133	1453	3614	4934
UN18843	Rsa1.0_00228.1	1379	105511	0	484	503	96 +	873	1375	82494	82991
UN18844	Rsa1.0_01101.1	1267	54031	1.00E-112	206	206	100 +	1060	1265	24383	24588
UN18845	Rsa1.0_03228.1	898	24471	0	406	419	96 +	475	892	22305	22722
UN18846	Rsa1.0_01494.1	2041	44641	0	753	783	96 -	1250	2027	11207	11988
UN18847	Rsa1.0_00422.1	626	86144	0	477	488	97 +	141	626	16094	16580
UN18848	Rsa1.0_00413.1	1465	86921	0	612	615	99 -	351	965	31378	31992
UN18849	Rsa1.0_74600.1	825	307	1.00E-164	299	301	99 -	73	373	7	307
UN18850	Rsa1.0_03133.1	1330	25135	0	669	679	98 +	408	1086	11553	12231
UN18851	Rsa1.0_04073.1	1637	19238	1.00E-132	243	244	99 -	1085	1328	11043	11286
UN18852	Rsa1.0_04095.1	1108	19095	0	353	353	100 -	3	355	12377	12729
UN18853	Rsa1.0_00234.1	1952	197060	0	1551	1603	96 -	131	1725	13733	15331
UN18854	Rsa1.0_06247.1	1806	11395	0	778	841	92 +	784	1623	7116	7931
UN18855	Rsa1.0_14744.1	1284	3111	0	485	506	95 -	340	845	724	1229
UN18856	Rsa1.0_00173.1	957	288743	1.00E-116	260	268	97 -	675	936	26009	26275
UN18857	Rsa1.0_01762.1	1967	39682	7.00E-81	175	182	96 -	1576	1757	7088	7269
UN18858	Rsa1.0_00603.1	684	73299	0	465	475	97 +	209	683	32629	33097
UN18859	Rsa1.0_00517.1	830	142790	1.00E-144	285	291	97 +	540	829	69988	70276
UN18860	Rsa1.0_05943.1	1056	12158	0	588	603	97 -	8	610	6907	7509
UN18861	Rsa1.0_00457.1	899	337301	0	556	573	97 -	1	573	335355	335927
UN18862	Rsa1.0_02188.1	1725	34104	0	498	518	96 -	1212	1723	2416	2933
UN18863	Rsa1.0_00086.1	1310	439854	1.00E-112	215	218	98 -	5	222	373324	373541
UN18864	Rsa1.0_00009.1	984	232558	0	976	984	99 +	2	983	197731	198714
UN18865	Rsa1.0_00056.1	1215	332604	0	1012	1083	93 +	1	1078	84534	85600
UN18866	Rsa1.0_00095.1	1279	283384	1.00E-170	352	367	95 -	1	360	16815	17181
UN18867	Rsa1.0_14668.1	1679	3173	0	1188	1199	99 -	481	1679	1153	2343
UN18868	Rsa1.0_21467.1	1454	1200	0	639	672	95 +	588	1256	1	663
UN18869	Rsa1.0_00025.1	841	277312	0	327	327	100 +	1	327	149589	149915
UN18870	Rsa1.0_00972.1	1171	57937	0	464	494	93 +	674	1167	53820	54309
UN18871	Rsa1.0_00308.1	703	96915	1.00E-76	266	302	88 -	1	289	80355	80656
UN18872	Rsa1.0_21660.1	1698	1184	0	477	503	94 +	309	805	506	1000
UN18873	Rsa1.0_00107.1	1546	431659	0	510	531	96 -	590	1114	148415	148945
UN18874	Rsa1.0_01969.1	512	153351	1.00E-125	298	318	93 -	1	314	22253	22565

UN18875	Rsa1.0.01232.1	1317	155185	1.00E-115	220	223	98 -	272	494	131817	132039
UN18876	Rsa1.0.01455.1	1603	45440	0	647	679	95 +	931	1603	24534	25195
UN18877	Rsa1.0.00775.1	1960	64793	0	363	367	98 -	1595	1960	9000	9366
UN18878	Rsa1.0.02176.1	1520	34291	0	628	644	97 +	2	644	14455	15098
UN18879	Rsa1.0.00418.1	1266	215377	1.00E-156	298	304	98 -	1	304	47449	47752
UN18880	Rsa1.0.00620.1	1082	71985	0	906	913	99 +	168	1080	8178	9090
UN18881	Rsa1.0.01029.1	1091	256254	1.00E-153	336	354	94 +	741	1091	245893	246242
UN18882	Rsa1.0.00199.1	1453	249604	0	387	388	99 +	311	698	60822	61209
UN18883	Rsa1.0.00981.1	1836	57700	0	518	522	99 -	1315	1836	48205	48726
UN18884	Rsa1.0.02954.1	1296	26485	0	1282	1295	98 -	3	1294	16411	17704
UN18885	Rsa1.0.01198.1	828	51029	0	820	821	99 -	7	827	20993	21813
UN18886	Rsa1.0.01247.1	2017	49934	0	1160	1185	97 -	834	2017	7059	8223
UN18887	Rsa1.0.12119.1	959	5311	1.00E-138	264	269	98 +	64	332	4588	4856
UN18888	Rsa1.0.00183.1	1719	113277	0	764	788	96 +	3	790	62438	63223
UN18889	Rsa1.0.00237.1	565	235974	1.00E-172	358	375	95 +	191	565	58852	59226
UN18890	Rsa1.0.14939.1	1182	2948	0	478	482	99 -	303	783	559	1040
UN18891	Rsa1.0.02454.1	804	31263	0	556	571	97 +	227	797	27132	27702
UN18892	Rsa1.0.08062.1	1078	7978	0	489	520	94 -	26	531	6822	7336
UN18893	Rsa1.0.00357.1	1626	173671	1.00E-168	322	328	98 +	746	1073	8462	8788
UN18894	Rsa1.0.00425.1	624	147080	1.00E-134	314	337	93 +	2	337	132376	132701
UN18895	Rsa1.0.03199.1	1150	24640	0	541	551	98 +	599	1149	16239	16789
UN18896	Rsa1.0.00114.1	557	131330	0	532	553	96 -	10	557	65804	66351
UN18897	Rsa1.0.03671.1	1083	21459	1.00E-142	358	384	93 -	1	374	9842	10224
UN18898	Rsa1.0.02103.1	1416	35006	0	1193	1217	98 +	10	1222	29031	30243
UN18899	Rsa1.0.00002.1	1073	601661	1.00E-176	368	387	95 +	3	389	264137	264511
UN18900	Rsa1.0.05878.1	1305	12344	0	1258	1300	96 +	8	1305	7156	8451
UN18901	Rsa1.0.01760.1	1040	39730	0	351	354	99 -	488	841	1443	1796
UN18902	Rsa1.0.00048.1	1292	167185	0	630	642	98 +	643	1284	63567	64203
UN18903	Rsa1.0.00615.1	1811	72235	0	898	902	99 +	3	902	21727	22628
UN18904	Rsa1.0.00038.1	1107	314568	1.00E-145	262	262	100 -	844	1105	8948	9209
UN18905	Rsa1.0.00773.1	1165	64839	1.00E-96	201	208	96 -	422	629	58210	58417
UN18906	Rsa1.0.02807.1	1247	27680	0	464	500	92 -	736	1217	4965	5464
UN18907	Rsa1.0.16685.1	1687	2065	0	1130	1159	97 -	2	1160	670	1826
UN18908	Rsa1.0.00512.1	1358	200277	1.00E-170	315	319	98 +	1035	1353	66192	66510
UN18909	Rsa1.0.58003.1	899	394	3.00E-84	191	199	95 -	678	875	117	314
UN18910	Rsa1.0.00495.1	787	79934	2.00E-76	149	150	99 -	107	256	19840	19989
UN18911	Rsa1.0.02717.1	1439	28458	0	624	648	96 +	804	1439	26715	27360
UN18912	Rsa1.0.11116.1	1734	5612	0	627	638	98 +	410	1047	4936	5573
UN18913	Rsa1.0.00637.1	1116	71038	0	451	459	98 -	615	1073	46365	46823

UN18953	Rsa1.0_00284.1	1132	323267	1.00E-130	406	461	88 -	21	464	275018	275460
UN18954	Rsa1.0_00710.1	806	67325	1.00E-168	435	479	90 -	1	473	28170	28648
UN18955	Rsa1.0_01028.1	919	56401	0	644	657	98 +	1	656	7710	8365
UN18956	Rsa1.0_05336.1	1498	14117	0	1000	1075	93 -	3	1062	5128	6181
UN18957	Rsa1.0_01397.1	839	183276	0	744	775	96 +	38	800	16441	17215
UN18958	Rsa1.0_03562.1	1160	22084	0	1102	1143	96 -	21	1160	16086	17225
UN18959	Rsa1.0_00590.1	1267	73835	0	480	488	98 -	780	1265	23232	23718
UN18960	Rsa1.0_03237.1	1594	24434	1.00E-166	356	372	95 -	1227	1594	4566	4937
UN18961	Rsa1.0_04711.1	1188	16282	0	822	833	98 +	356	1188	11996	12828
UN18962	Rsa1.0_00218.1	1022	201480	1.00E-131	244	246	99 +	223	468	172495	172740
UN18963	Rsa1.0_03227.1	887	24478	0	863	886	97 +	3	887	4854	5737
UN18964	Rsa1.0_00040.1	1261	324196	0	646	656	98 +	606	1261	33258	33911
UN18965	Rsa1.0_00028.1	1604	293984	0	439	452	97 +	1160	1604	276975	277426
UN18966	Rsa1.0_00111.1	1810	390088	0	498	523	95 +	1286	1804	334412	334932
UN18967	Rsa1.0_00213.1	1694	108167	0	1053	1099	95 +	2	1100	9922	11001
UN18968	Rsa1.0_00206.1	916	109040	1.00E-137	257	260	98 -	655	914	45109	45368
UN18969	Rsa1.0_00103.1	1259	135304	4.00E-44	186	216	86 -	86	301	31552	31766
UN18970	Rsa1.0_00028.1	2943	293984	0	672	684	98 -	658	1337	54913	55596
UN18971	Rsa1.0_07603.1	1288	9043	1.00E-120	354	397	89 -	655	1051	2808	3200
UN18972	Rsa1.0_00453.1	1706	83031	0	682	684	99 +	1022	1705	16425	17107
UN18973	Rsa1.0_02428.1	1384	31542	0	478	497	96 -	180	667	28430	28923
UN18974	Rsa1.0_02411.1	1267	31655	0	604	612	98 -	651	1261	16712	17323
UN18975	Rsa1.0_00437.1	1870	84879	0	400	424	94 +	1447	1870	23633	24042
UN18976	Rsa1.0_00153.1	897	192931	0	555	580	95 +	317	892	157109	157682
UN18977	Rsa1.0_01370.1	1050	47093	1.00E-177	315	315	100 +	736	1050	9921	10235
UN18978	Rsa1.0_00301.1	1193	365315	0	528	551	95 +	602	1152	304665	305208
UN18979	Rsa1.0_00827.1	1170	62790	0	780	805	96 -	366	1170	17354	18140
UN18980	Rsa1.0_02882.1	1031	27039	0	584	587	99 -	446	1031	1457	2042
UN18981	Rsa1.0_01156.1	2095	52147	0	639	667	95 +	1438	2094	32888	33553
UN18982	Rsa1.0_03205.1	1191	24614	0	359	362	99 -	3	364	4230	4591
UN18983	Rsa1.0_00063.1	1904	156150	0	945	1016	93 -	833	1840	62977	63986
UN18984	Rsa1.0_09689.1	1436	6210	0	411	424	96 -	963	1374	1784	2207
UN18985	Rsa1.0_04801.1	1252	15918	0	344	347	99 +	6	352	6890	7236
UN18986	Rsa1.0_00763.1	1293	65121	1.00E-145	268	269	99 -	1013	1280	59137	59405
UN18987	Rsa1.0_01405.1	1490	46445	0	415	431	96 -	1061	1489	37002	37432
UN18988	Rsa1.0_01141.1	2410	52530	0	376	390	96 +	36	422	3569	3955
UN18989	Rsa1.0_16203.1	932	2246	0	859	885	97 -	3	886	995	1875
UN18990	Rsa1.0_00278.1	1322	231896	0	935	963	97 +	344	1306	82162	83121
UN18991	Rsa1.0_05076.1	491	14916	1.00E-119	217	217	100 -	1	217	7475	7691

UN18992	Rsa1.0_00026.1	1217	327835	1.00E-158	298	302	98 +	683	981	24412	24713
UN18993	Rsa1.0_00206.1	1177	109040	0	507	518	97 -	2	519	68752	69269
UN18994	Rsa1.0_01555.1	759	166456	0	385	386	99 +	7	392	144938	145323
UN18995	Rsa1.0_00538.1	1514	77149	0	473	475	99 -	1040	1514	54717	55191
UN18996	Rsa1.0_09160.1	1057	6599	1.00E-172	312	314	99 -	249	562	1109	1422
UN18997	Rsa1.0_07124.1	1439	9865	0	516	527	97 -	913	1439	7506	8031
UN18998	Rsa1.0_02402.1	1260	31710	0	650	654	99 +	1	654	5332	5984
UN18999	Rsa1.0_02446.1	1816	31330	0	1372	1416	96 -	290	1701	3866	5281
UN19000	Rsa1.0_05319.1	999	14158	0	324	324	100 +	3	326	379	702
UN19001	Rsa1.0_00020.1	1561	283099	0	1040	1069	97 +	6	1073	94582	95650
UN19002	Rsa1.0_03627.1	1757	21658	1.00E-147	312	325	96 -	1433	1757	661	983
UN19003	Rsa1.0_00015.1	1131	561803	1.00E-166	297	297	100 +	835	1131	529332	529628
UN19004	Rsa1.0_00053.1	1557	263459	0	818	857	95 -	706	1556	242869	243720
UN19005	Rsa1.0_05792.1	1731	12612	0	550	570	96 -	1	568	8012	8581
UN19006	Rsa1.0_01354.1	658	47342	3.00E-74	169	174	97 -	352	523	9457	9629
UN19007	Rsa1.0_04576.1	1475	16783	1.00E-127	234	235	99 -	1241	1475	393	627
UN19008	Rsa1.0_00548.1	957	76518	2.00E-21	244	301	81 -	285	580	62952	63251
UN19009	Rsa1.0_00655.1	1365	195840	0	362	362	100 +	1004	1365	163505	163866
UN19010	Rsa1.0_03555.1	1542	22129	0	653	674	96 +	160	833	16383	17056
UN19011	Rsa1.0_00857.1	1427	61904	0	620	695	89 -	617	1308	12884	13578
UN19012	Rsa1.0_00010.1	1218	294827	0	956	990	96 -	3	984	102962	103944
UN19013	Rsa1.0_00460.1	1100	206387	0	1089	1100	99 -	1	1099	196168	197267
UN19014	Rsa1.0_00389.1	1900	88795	0	1361	1443	94 +	1	1424	16759	18177
UN19015	Rsa1.0_15068.1	1550	2854	0	1056	1086	97 -	473	1548	999	2084
UN19016	Rsa1.0_00037.1	1460	307838	1.00E-168	304	305	99 +	750	1054	284445	284749
UN19017	Rsa1.0_00639.1	1963	165873	0	1076	1093	98 +	2	1090	134022	135114
UN19018	Rsa1.0_03589.1	1421	21893	0	428	436	98 -	986	1419	624	1055
UN19019	Rsa1.0_00302.1	1326	97521	0	362	371	97 +	3	373	64950	65312
UN19020	Rsa1.0_01113.1	1321	53616	1.00E-127	258	267	96 +	859	1125	4376	4642
UN19021	Rsa1.0_03261.1	1602	24281	0	1596	1598	99 -	2	1597	20779	22376
UN19022	Rsa1.0_01448.1	834	45645	0	446	446	100 -	388	833	37869	38314
UN19023	Rsa1.0_72585.1	490	316	1.00E-107	200	201	99 +	289	489	1	201
UN19024	Rsa1.0_03311.1	1405	23850	0	442	447	98 +	500	946	1218	1664
UN19025	Rsa1.0_02663.1	1141	169243	1.00E-139	255	256	99 -	133	388	168988	169243
UN19026	Rsa1.0_00826.1	1630	166736	0	1517	1522	99 -	109	1630	14148	15665
UN19027	Rsa1.0_00107.1	1495	431659	0	1004	1032	97 -	2	1033	326713	327744
UN19028	Rsa1.0_11964.1	1004	5359	9.00E-85	311	361	86 -	655	1001	108	468
UN19029	Rsa1.0_03503.1	1769	22445	0	922	984	93 -	794	1769	19337	20315
UN19030	Rsa1.0_02769.1	1255	28107	0	369	377	97 +	370	746	10869	11239

UN19031	Rsa1.0.00374.1	1057	165738	1.00E-127	254	259	98 -	85	343	5796	6051
UN19032	Rsa1.0.03646.1	1484	21598	1.00E-159	306	314	97 +	1	314	7610	7915
UN19033	Rsa1.0.00033.1	1079	515811	0	462	468	98 +	1	467	431431	431898
UN19034	Rsa1.0.00092.1	1703	659932	1.00E-124	257	267	96 +	1105	1371	189112	189378
UN19035	Rsa1.0.00615.1	1440	72235	0	1314	1352	97 +	89	1439	60843	62177
UN19036	Rsa1.0.00050.1	679	237174	0	610	672	90 -	11	677	84436	85092
UN19037	Rsa1.0.00377.1	1113	90038	0	422	435	97 -	1	435	9787	10211
UN19038	Rsa1.0.02670.1	1366	28887	1.00E-180	413	437	94 +	1	431	3772	4204
UN19039	Rsa1.0.00045.1	1186	328694	0	509	509	100 +	1	509	184209	184717
UN19040	Rsa1.0.00844.1	1633	62403	0	560	570	98 -	1	570	41735	42304
UN19041	Rsa1.0.01016.1	945	181422	1.00E-123	227	228	99 -	211	438	3575	3802
UN19042	Rsa1.0.00893.1	1056	60626	0	680	706	96 +	1	703	43093	43797
UN19043	Rsa1.0.13471.1	1635	4802	0	497	526	94 -	2	526	3829	4346
UN19044	Rsa1.0.00332.1	746	94575	0	741	743	99 -	3	744	68951	69693
UN19045	Rsa1.0.00039.1	2141	296927	0	671	687	97 +	4	690	67268	67953
UN19046	Rsa1.0.49549.1	504	458	3.00E-86	165	166	99 +	339	504	75	240
UN19047	Rsa1.0.06272.1	3254	11351	5.00E-86	163	163	100 +	2949	3111	1	163
UN19048	Rsa1.0.06645.1	1420	10607	0	963	977	98 -	1	977	8052	9028
UN19049	Rsa1.0.00079.1	912	606987	1.00E-117	260	274	94 -	18	285	41618	41891
UN19050	Rsa1.0.00732.1	1180	66631	0	359	359	100 +	3	361	140	498
UN19051	Rsa1.0.00773.1	1386	64839	0	859	930	92 +	476	1385	25726	26634
UN19052	Rsa1.0.00406.1	1065	87398	0	370	373	99 -	5	377	53293	53665
UN19053	Rsa1.0.01295.1	810	49040	1.00E-142	257	257	100 -	554	810	15483	15739
UN19054	Rsa1.0.03688.1	1661	143676	1.00E-137	314	333	94 -	1324	1650	3787	4119
UN19055	Rsa1.0.04692.1	1195	16357	0	1066	1073	99 +	127	1195	12091	13163
UN19056	Rsa1.0.00046.1	1066	320315	0	475	492	96 -	3	493	31869	32359
UN19057	Rsa1.0.00043.1	1454	264937	0	455	467	97 -	998	1454	259731	260197
UN19058	Rsa1.0.01494.1	1202	44641	0	887	888	99 -	315	1202	11101	11988
UN19059	Rsa1.0.02663.1	1616	169243	0	710	710	100 +	907	1616	7793	8502
UN19060	Rsa1.0.00273.1	717	326186	1.00E-161	347	366	94 -	283	645	113973	114338
UN19061	Rsa1.0.01005.1	921	56967	0	482	482	100 +	440	921	39743	40224
UN19062	Rsa1.0.00939.1	1424	185227	0	484	537	90 -	237	773	171556	172059
UN19063	Rsa1.0.02490.1	1542	30885	1.00E-143	262	263	99 +	226	488	26954	27216
UN19064	Rsa1.0.00117.1	1107	213118	0	380	380	100 -	728	1107	202418	202797
UN19065	Rsa1.0.02536.1	1273	30368	1.00E-171	370	388	95 -	880	1265	21481	21861
UN19066	Rsa1.0.00753.1	1486	65705	0	834	852	97 +	2	853	57301	58152
UN19067	Rsa1.0.07521.1	1537	9206	0	521	526	99 -	3	528	7907	8429
UN19068	Rsa1.0.00833.1	1069	62621	0	1043	1069	97 +	1	1069	37633	38699
UN19069	Rsa1.0.00041.1	2190	186197	1.00E-111	324	359	90 +	1758	2106	148191	148548

UN19070	Rsa1.0_00816.1	1266	403350	0	668	680	98 -	587	1265	137456	138135
UN19071	Rsa1.0_00089.1	1560	406142	0	810	829	97 +	716	1542	374035	374863
UN19072	Rsa1.0_02615.1	714	29547	1.00E-171	305	305	100 -	407	711	15642	15946
UN19073	Rsa1.0_00191.1	834	316976	0	438	442	99 -	393	834	197443	197882
UN19074	Rsa1.0_03825.1	1373	20623	0	332	333	99 +	1041	1373	6154	6486
UN19075	Rsa1.0_00034.1	1154	260119	0	416	421	98 -	2	419	841	1261
UN19076	Rsa1.0_01773.1	1565	39546	0	1500	1540	97 +	28	1564	17250	18789
UN19077	Rsa1.0_01307.1	710	48685	0	704	707	99 -	4	710	11808	12514
UN19078	Rsa1.0_03280.1	1578	145083	0	608	620	98 +	2	621	125643	126262
UN19079	Rsa1.0_00124.1	672	262503	1.00E-108	273	292	93 -	382	671	14159	14444
UN19080	Rsa1.0_02797.1	1647	27800	0	537	563	95 -	1086	1642	13743	14301
UN19081	Rsa1.0_00198.1	616	222963	1.00E-162	334	346	96 +	1	346	37757	38100
UN19082	Rsa1.0_02541.1	1446	30342	0	481	489	98 -	3	491	11560	12046
UN19083	Rsa1.0_02841.1	1422	27383	1.00E-137	380	414	91 -	676	1079	78	485
UN19084	Rsa1.0_01513.1	1966	44234	0	1869	1909	97 -	1	1900	41226	43133
UN19085	Rsa1.0_02922.1	1462	26753	0	368	373	98 -	1	373	11365	11734
UN19086	Rsa1.0_02113.1	856	34890	0	852	854	99 -	3	855	14224	15077
UN19087	Rsa1.0_00005.1	1333	353093	1.00E-150	311	322	96 -	3	322	130794	131115
UN19088	Rsa1.0_01772.1	1306	39557	1.00E-118	217	217	100 -	3	219	8198	8414
UN19089	Rsa1.0_00006.1	1485	396176	0	454	460	98 +	2	457	107049	107508
UN19090	Rsa1.0_02735.1	1551	28344	1.00E-107	248	261	95 -	87	345	28008	28266
UN19091	Rsa1.0_09270.1	1283	6513	0	509	520	97 +	469	988	1	520
UN19092	Rsa1.0_00178.1	720	114861	1.00E-151	328	343	95 -	7	347	12165	12501
UN19093	Rsa1.0_00467.1	1316	156542	0	388	388	100 +	106	493	134097	134484
UN19094	Rsa1.0_09067.1	1315	6672	1.00E-114	248	257	96 +	3	258	2323	2577
UN19095	Rsa1.0_19308.1	1176	1449	0	933	939	99 +	1	936	511	1449
UN19096	Rsa1.0_00817.1	871	62961	0	520	537	96 -	335	871	53797	54331
UN19097	Rsa1.0_04256.1	857	18257	1.00E-147	267	268	99 -	590	857	13574	13841
UN19098	Rsa1.0_03117.1	1095	25295	3.00E-23	103	116	88 +	117	232	17004	17116
UN19099	Rsa1.0_05293.1	1343	14237	0	392	406	96 -	800	1205	6325	6730
UN19100	Rsa1.0_01168.1	738	153765	1.00E-175	337	344	97 +	398	738	41780	42121
UN19101	Rsa1.0_00035.1	1366	176449	0	1347	1368	98 -	2	1366	78863	80230
UN19102	Rsa1.0_01760.1	923	39730	0	468	468	100 +	456	923	1864	2331
UN19103	Rsa1.0_01298.1	1307	48999	1.00E-160	290	291	99 +	13	303	6681	6971
UN19104	Rsa1.0_03131.1	887	25142	0	859	859	100 -	27	885	3582	4440
UN19105	Rsa1.0_00910.1	801	59975	0	501	501	100 -	3	503	58026	58526
UN19106	Rsa1.0_08342.1	1300	7502	0	344	346	99 +	955	1300	5075	5420
UN19107	Rsa1.0_01606.1	862	42432	0	794	828	95 -	46	862	38803	39630
UN19108	Rsa1.0_00009.1	2331	232558	0	1467	1509	97 +	2	1509	26775	28283

UN19109	Rsa1.0.00039.1	1559	296927	0	1552	1560	99 +	2	1559	146905	148464
UN19110	Rsa1.0.04894.1	1257	15569	0	785	786	99 +	1	786	7358	8142
UN19111	Rsa1.0.02377.1	1449	31994	0	631	648	97 +	358	1005	4733	5380
UN19112	Rsa1.0.04651.1	1468	16516	0	561	581	96 -	335	914	13808	14388
UN19113	Rsa1.0.07811.1	1071	8496	0	588	588	100 +	482	1069	1308	1895
UN19114	Rsa1.0.00728.1	917	66704	1.00E-136	268	274	97 +	2	275	33849	34120
UN19115	Rsa1.0.03469.1	718	22681	0	685	715	95 +	1	712	11103	11814
UN19116	Rsa1.0.00122.1	981	265937	2.00E-98	205	211	97 +	772	981	7192	7402
UN19117	Rsa1.0.03111.1	859	25327	0	375	377	99 -	284	660	4629	5005
UN19118	Rsa1.0.04073.1	1803	19238	1.00E-131	248	251	98 -	1	251	13359	13609
UN19119	Rsa1.0.00203.1	1112	109129	1.00E-114	212	213	99 +	467	679	22484	22696
UN19120	Rsa1.0.00790.1	844	148693	0	831	841	98 -	4	844	43541	44381
UN19121	Rsa1.0.04371.1	647	17700	0	626	649	96 +	2	646	14353	14997
UN19122	Rsa1.0.00073.1	901	240924	6.00E-98	191	194	98 +	357	550	98132	98325
UN19123	Rsa1.0.04181.1	1340	18615	0	714	723	98 +	281	1003	936	1658
UN19124	Rsa1.0.00003.1	1267	340054	0	405	418	96 -	850	1265	276988	277405
UN19125	Rsa1.0.00683.1	1539	68638	1.00E-155	296	302	98 -	1237	1538	8503	8804
UN19126	Rsa1.0.00010.1	976	294827	0	419	421	99 -	558	976	81207	81627
UN19127	Rsa1.0.00336.1	899	445051	0	629	631	99 -	267	897	194552	195182
UN19128	Rsa1.0.06819.1	1282	10302	0	1229	1271	96 +	10	1280	1017	2284
UN19129	Rsa1.0.00896.1	1973	60509	0	662	664	99 -	643	1306	20944	21607
UN19130	Rsa1.0.00727.1	957	66724	0	938	950	98 -	16	956	36814	37763
UN19131	Rsa1.0.06715.1	1030	10485	0	396	410	96 +	19	426	3413	3822
UN19132	Rsa1.0.06603.1	1406	10682	0	393	400	98 -	1	399	7727	8126
UN19133	Rsa1.0.00556.1	1403	207212	0	573	617	92 -	4	608	18791	19403
UN19134	Rsa1.0.00024.1	1064	188018	1.00E-138	280	289	96 +	1	288	75329	75612
UN19135	Rsa1.0.00179.1	1123	393324	1.00E-151	403	439	91 -	693	1123	280262	280692
UN19136	Rsa1.0.00211.1	911	228189	0	357	358	99 -	93	450	145393	145750
UN19137	Rsa1.0.00015.1	1568	561803	0	1305	1331	98 +	239	1568	252554	253883
UN19138	Rsa1.0.02645.1	1289	29158	1.00E-178	335	341	98 +	949	1289	3773	4113
UN19139	Rsa1.0.01043.1	1192	55893	0	549	572	95 +	622	1192	33225	33789
UN19140	Rsa1.0.00748.1	832	65983	0	457	483	94 -	28	504	63996	64475
UN19141	Rsa1.0.00093.1	1550	214962	0	549	574	95 -	975	1540	128325	128896
UN19142	Rsa1.0.00195.1	587	251884	1.00E-178	330	333	99 +	3	335	229134	229465
UN19143	Rsa1.0.00002.1	866	601661	0	864	865	99 -	3	866	113211	114075
UN19144	Rsa1.0.00562.1	1930	75565	0	1264	1285	98 +	546	1824	8259	9537
UN19145	Rsa1.0.02033.1	1452	35828	0	710	736	96 -	7	741	31310	32043
UN19146	Rsa1.0.00439.1	818	142776	0	414	423	97 +	3	422	57722	58144
UN19147	Rsa1.0.00759.1	1030	65465	1.00E-179	339	346	97 -	665	1010	61787	62132

UN19148	Rsa1.0.00454.1	1289	216970	1.00E-121	221	221	100 +	1069	1289	146032	146252
UN19149	Rsa1.0.00083.1	1373	442773	0	1213	1215	99 +	3	1217	432305	433519
UN19150	Rsa1.0.39138.1	1232	575	0	337	339	99 -	2	340	1	338
UN19151	Rsa1.0.00212.1	984	108350	0	704	705	99 +	280	984	14132	14836
UN19152	Rsa1.0.00372.1	1519	90418	0	486	486	100 +	1	486	14572	15057
UN19153	Rsa1.0.00751.1	1272	65759	0	419	430	97 -	640	1069	3274	3702
UN19154	Rsa1.0.01606.1	1194	42432	1.00E-166	378	402	94 +	1	389	16041	16440
UN19155	Rsa1.0.02552.1	1939	30191	0	463	466	99 +	1474	1939	21612	22077
UN19156	Rsa1.0.00035.1	1003	176449	0	660	695	94 +	1	676	51397	52091
UN19157	Rsa1.0.00063.1	608	156150	1.00E-125	231	232	99 -	258	489	3494	3725
UN19158	Rsa1.0.00016.1	852	831256	0	839	855	98 +	3	850	684570	685421
UN19159	Rsa1.0.01387.1	981	46745	6.00E-95	262	289	90 +	1	275	31034	31320
UN19160	Rsa1.0.15067.1	1610	2854	0	613	615	99 +	2	616	646	1260
UN19161	Rsa1.0.03288.1	1001	24016	0	386	394	97 -	2	393	6221	6611
UN19162	Rsa1.0.01730.1	977	40223	0	373	381	97 +	154	534	22751	23131
UN19163	Rsa1.0.00366.1	715	90880	0	360	368	97 +	1	368	9189	9556
UN19164	Rsa1.0.00066.1	638	152418	0	563	582	96 -	3	579	63404	63985
UN19165	Rsa1.0.00055.1	1504	520193	1.00E-120	282	298	94 -	1	295	27909	28204
UN19166	Rsa1.0.22514.1	1234	1114	0	587	619	94 +	614	1232	212	830
UN19167	Rsa1.0.02040.1	1207	35684	1.00E-126	285	302	94 +	57	347	13775	14076
UN19168	Rsa1.0.00495.1	945	79934	1.00E-135	248	249	99 +	1	249	16085	16333
UN19169	Rsa1.0.00188.1	576	112020	0	504	555	90 -	11	561	4438	4977
UN19170	Rsa1.0.01191.1	1142	51235	0	778	779	99 +	1	779	48414	49192
UN19171	Rsa1.0.00047.1	1305	168582	0	1221	1249	97 -	57	1304	134145	135393
UN19172	Rsa1.0.00136.1	1449	122464	0	551	565	97 -	1	565	84856	85417
UN19173	Rsa1.0.33830.1	1009	670	0	408	411	99 +	133	543	1	411
UN19174	Rsa1.0.00179.1	1115	393324	0	750	759	98 +	357	1115	320006	320764
UN19175	Rsa1.0.09755.1	705	6166	0	480	504	95 -	1	500	1225	1723
UN19176	Rsa1.0.07895.1	1679	8344	0	1514	1666	90 -	1	1656	5934	7587
UN19177	Rsa1.0.07783.1	1043	8578	0	898	900	99 +	142	1041	7277	8176
UN19178	Rsa1.0.01220.1	764	161775	0	368	370	99 +	396	764	138711	139080
UN19179	Rsa1.0.02505.1	1173	30703	1.00E-166	391	418	93 -	741	1154	9950	10365
UN19180	Rsa1.0.00727.1	871	66724	0	800	831	96 -	4	823	13535	14361
UN19181	Rsa1.0.00011.1	824	225044	0	402	412	97 -	3	414	207085	207496
UN19182	Rsa1.0.16460.1	1867	2148	0	1044	1118	93 +	583	1674	669	1773
UN19183	Rsa1.0.00651.1	552	247766	1.00E-125	228	228	100 +	178	405	81983	82210
UN19184	Rsa1.0.15387.1	1306	2642	0	390	402	97 -	906	1306	2008	2407
UN19185	Rsa1.0.00033.1	1283	515811	0	903	946	95 +	6	939	350359	351298
UN19186	Rsa1.0.28951.1	1674	798	1.00E-151	309	320	96 +	3	322	78	396

UN19187	Rsa1.0.00195.1	1878	251884	0	726	729	99 +	1	729	75462	76189
UN19188	Rsa1.0.00001.1	1779	363028	0	722	756	95 -	1025	1777	287292	288046
UN19189	Rsa1.0.00111.1	889	390088	0	395	404	97 +	493	889	85380	85783
UN19190	Rsa1.0.02493.1	879	30854	1.00E-180	332	336	98 -	3	338	3991	4326
UN19191	Rsa1.0.02409.1	1777	31663	1.00E-161	445	492	90 +	63	553	22841	23323
UN19192	Rsa1.0.01387.1	750	46745	1.00E-162	305	309	98 -	442	750	2575	2881
UN19193	Rsa1.0.00289.1	1018	98620	1.00E-145	268	270	99 -	443	712	26980	27249
UN19194	Rsa1.0.02421.1	1319	31579	0	543	545	99 +	3	547	8459	9003
UN19195	Rsa1.0.04203.1	1314	18479	0	1285	1313	97 +	1	1311	10105	11417
UN19196	Rsa1.0.07621.1	1284	9014	0	495	503	98 -	782	1284	7421	7922
UN19197	Rsa1.0.16086.1	931	2289	1.00E-109	221	228	96 +	682	903	1078	1305
UN19198	Rsa1.0.03878.1	1137	20305	0	732	752	97 +	264	1014	1652	2399
UN19199	Rsa1.0.01245.1	1712	149868	0	865	866	99 +	846	1711	21270	22134
UN19200	Rsa1.0.02298.1	1068	32872	0	489	492	99 +	575	1066	6363	6854
UN19201	Rsa1.0.00841.1	1070	183065	1.00E-138	265	269	98 -	804	1070	1038	1306
UN19202	Rsa1.0.23598.1	1697	1038	1.00E-173	315	317	99 +	3	319	579	895
UN19203	Rsa1.0.00192.1	1962	278200	1.00E-169	312	314	99 -	1648	1960	90832	91145
UN19204	Rsa1.0.00041.1	1345	186197	0	696	711	97 +	635	1345	84481	85191
UN19205	Rsa1.0.05005.1	1448	15169	0	379	381	99 -	1	381	14659	15039
UN19206	Rsa1.0.02280.1	557	33063	0	549	554	99 -	1	554	29316	29869
UN19207	Rsa1.0.00087.1	1934	761073	0	489	496	98 -	1445	1933	624624	625119
UN19208	Rsa1.0.20417.1	1711	1307	1.00E-127	249	252	98 +	669	918	362	613
UN19209	Rsa1.0.01853.1	1289	147800	1.00E-126	232	233	99 +	401	633	8320	8552
UN19210	Rsa1.0.06915.1	729	10174	0	440	444	99 -	1	444	3810	4253
UN19211	Rsa1.0.17507.1	934	1814	0	427	430	99 +	1	430	283	712
UN19212	Rsa1.0.07619.1	1428	9015	0	348	354	98 -	982	1335	3415	3766
UN19213	Rsa1.0.06313.1	1627	11252	0	1038	1044	99 +	2	1044	1213	2256
UN19214	Rsa1.0.26642.1	902	883	0	490	490	100 +	160	649	290	779
UN19215	Rsa1.0.00226.1	1449	105884	0	635	641	99 +	566	1203	42188	42828
UN19216	Rsa1.0.00031.1	1364	179862	0	484	486	99 +	165	650	76038	76523
UN19217	Rsa1.0.06839.1	1130	10286	3.00E-97	267	298	89 +	3	283	6343	6640
UN19218	Rsa1.0.10890.1	1549	5688	0	759	767	98 -	466	1232	3525	4291
UN19219	Rsa1.0.02126.1	2251	34765	0	375	376	99 -	1535	1910	4849	5224
UN19220	Rsa1.0.00518.1	1074	78360	1.00E-120	223	224	99 +	1	224	66713	66936
UN19221	Rsa1.0.00001.1	1250	363028	0	369	375	98 +	875	1249	88739	89112
UN19222	Rsa1.0.13630.1	2004	4607	0	864	875	98 +	1	874	1878	2752
UN19223	Rsa1.0.01202.1	1905	158825	0	674	691	97 +	1218	1903	45033	45719
UN19224	Rsa1.0.00817.1	1065	62961	0	618	627	98 +	437	1058	53165	53791
UN19225	Rsa1.0.04979.1	976	15257	1.00E-114	210	210	100 +	374	583	8714	8923

UN19226	Rsa1.0.01355.1	782	47303	0	708	745	95 +	3	741	39399	40140
UN19227	Rsa1.0.00087.1	1067	761073	1.00E-101	199	203	98 +	628	830	292656	292858
UN19228	Rsa1.0.01185.1	1117	149842	1.00E-122	256	267	95 +	447	713	132558	132824
UN19229	Rsa1.0.00123.1	1104	325650	0	459	477	96 -	5	474	47946	48416
UN19230	Rsa1.0.01234.1	620	50183	0	468	478	97 -	1	473	43366	43843
UN19231	Rsa1.0.01825.1	893	38725	2.00E-85	185	193	95 +	168	360	24330	24522
UN19232	Rsa1.0.02461.1	1760	31166	0	1196	1209	98 -	552	1760	4244	5452
UN19233	Rsa1.0.08043.1	1457	8019	0	486	486	100 +	972	1457	3725	4210
UN19234	Rsa1.0.01130.1	1253	52929	1.00E-175	374	393	95 +	867	1253	44531	44915
UN19235	Rsa1.0.00670.1	1715	69371	0	479	479	100 +	523	1001	31040	31518
UN19236	Rsa1.0.00762.1	1432	165246	0	912	969	94 +	481	1432	32881	33840
UN19237	Rsa1.0.02443.1	1037	31353	1.00E-135	244	244	100 -	793	1036	18128	18371
UN19238	Rsa1.0.00573.1	610	74821	1.00E-131	241	242	99 +	1	242	29923	30164
UN19239	Rsa1.0.00044.1	1241	271658	0	333	334	99 +	908	1241	139508	139841
UN19240	Rsa1.0.00915.1	917	194446	9.00E-94	211	223	94 +	148	370	178495	178717
UN19241	Rsa1.0.00009.1	1656	232558	0	994	1025	96 -	629	1653	130857	131878
UN19242	Rsa1.0.37455.1	1497	602	0	406	416	97 +	93	508	1	416
UN19243	Rsa1.0.00917.1	1453	182012	0	660	666	99 -	218	883	7047	7711
UN19244	Rsa1.0.02022.1	752	35923	1.00E-103	210	216	97 +	3	214	4698	4913
UN19245	Rsa1.0.00398.1	1373	88007	0	645	645	100 +	280	924	62692	63336
UN19246	Rsa1.0.00007.1	1803	239325	0	816	863	94 +	946	1803	29997	30851
UN19247	Rsa1.0.00101.1	616	267193	1.00E-125	274	290	94 -	328	616	4429	4708
UN19248	Rsa1.0.00167.1	1436	116000	0	404	406	99 +	4	407	12093	12498
UN19249	Rsa1.0.08756.1	2495	6955	8.00E-69	234	268	87 +	281	537	6119	6385
UN19250	Rsa1.0.00723.1	808	66806	0	724	743	97 +	48	790	58018	58756
UN19251	Rsa1.0.00572.1	1593	74969	0	1281	1293	99 -	301	1593	60862	62154
UN19252	Rsa1.0.15644.1	1219	2505	0	598	619	96 +	599	1215	577	1195
UN19253	Rsa1.0.07058.1	1093	9964	0	832	855	97 -	70	920	3048	3901
UN19254	Rsa1.0.00869.1	666	61627	1.00E-129	344	372	92 +	18	376	53852	54221
UN19255	Rsa1.0.10900.1	740	5684	0	722	733	98 +	1	733	466	1198
UN19256	Rsa1.0.00009.1	1702	232558	0	731	743	98 +	1	742	202456	203198
UN19257	Rsa1.0.20028.1	1468	1350	0	768	781	98 -	51	830	406	1186
UN19258	Rsa1.0.00367.1	971	90750	0	967	969	99 -	1	969	20755	21722
UN19259	Rsa1.0.00131.1	1092	432233	0	350	350	100 +	1	350	398586	398935
UN19260	Rsa1.0.01018.1	799	56685	1.00E-102	192	193	99 +	606	798	54766	54958
UN19261	Rsa1.0.00008.1	1751	358124	0	830	860	96 -	1	857	67627	68485
UN19262	Rsa1.0.00712.1	1747	67217	0	1083	1083	100 -	215	1297	40531	41613
UN19263	Rsa1.0.01233.1	891	50184	0	444	472	94 -	283	751	23507	23969
UN19264	Rsa1.0.04455.1	1280	17266	0	433	439	98 -	3	440	12968	13406

UN19265	Rsa1.0.01117.1	2884	53465	0	1325	1338	99 +	765	2099	52128	53465
UN19266	Rsa1.0.08532.1	738	7228	0	716	737	97 +	1	734	5235	5968
UN19267	Rsa1.0.01198.1	824	51029	0	805	831	96 -	3	824	25781	26606
UN19268	Rsa1.0.00145.1	1648	261008	0	604	628	96 -	604	1231	101443	102061
UN19269	Rsa1.0.00064.1	1163	240927	0	482	489	98 -	3	490	220651	221139
UN19270	Rsa1.0.00002.1	815	601661	2.33E-156	282	287	98 -	403	688	140391	140677
UN19271	Rsa1.0.47151.1	1233	479	0	479	479	100 +	70	548	1	479
UN19272	Rsa1.0.00158.1	1223	117999	0	448	448	100 -	1	448	14475	14922
UN19273	Rsa1.0.00556.1	1287	207212	0	510	527	96 +	3	528	193419	193935
UN19274	Rsa1.0.00836.1	1007	185968	0	641	676	94 +	21	687	161658	162333
UN19275	Rsa1.0.20661.1	1535	1282	0	988	1005	98 +	530	1534	1	999
UN19276	Rsa1.0.01283.1	1007	49257	0	461	464	99 +	526	989	7067	7530
UN19277	Rsa1.0.14140.1	1716	3748	0	549	594	92 -	513	1102	1121	1705
UN19278	Rsa1.0.02079.1	806	35306	0	567	574	98 +	206	779	24546	25119
UN19279	Rsa1.0.07786.1	771	8569	1.00E-103	190	190	100 +	578	767	173	362
UN19280	Rsa1.0.00463.1	872	189177	1.00E-135	265	272	97 +	601	872	115301	115572
UN19281	Rsa1.0.00959.1	1519	58202	0	360	365	98 +	415	779	1503	1867
UN19282	Rsa1.0.01168.1	1327	153765	0	1097	1160	94 +	172	1322	20887	22031
UN19283	Rsa1.0.00883.1	1286	61230	1.00E-127	343	376	91 -	5	374	54391	54764
UN19284	Rsa1.0.02798.1	1392	27792	0	446	450	99 +	3	452	5375	5823
UN19285	Rsa1.0.03356.1	1275	23487	0	647	654	98 +	622	1274	11582	12235
UN19286	Rsa1.0.00257.1	1258	102407	0	515	525	98 -	16	540	17702	18225
UN19287	Rsa1.0.01768.1	752	138463	0	369	376	98 -	1	375	110146	110520
UN19288	Rsa1.0.03420.1	1191	23090	1.00E-134	253	255	99 -	2	256	668	921
UN19289	Rsa1.0.00026.1	1830	327835	1.00E-168	330	340	97 -	3	342	186323	186662
UN19290	Rsa1.0.33000.1	1347	689	1.00E-165	301	303	99 +	12	314	281	583
UN19291	Rsa1.0.01806.1	476	39021	0	474	474	100 -	1	474	25710	26183
UN19292	Rsa1.0.03355.1	1767	23489	0	838	845	99 -	3	847	2596	3440
UN19293	Rsa1.0.25135.1	1596	950	0	883	969	91 +	66	1034	1	950
UN19294	Rsa1.0.00526.1	791	169279	0	482	499	96 -	198	696	148049	148547
UN19295	Rsa1.0.01632.1	1749	181224	1.00E-116	232	238	97 -	3	240	154142	154379
UN19296	Rsa1.0.09098.1	1588	6647	0	501	524	95 +	1	524	6125	6647
UN19297	Rsa1.0.02605.1	1138	29637	0	571	606	94 -	3	590	25931	26536
UN19298	Rsa1.0.01073.1	841	55030	0	827	840	98 +	2	841	34942	35781
UN19299	Rsa1.0.15681.1	1592	2484	1.00E-111	213	216	98 +	1097	1312	348	563
UN19300	Rsa1.0.02248.1	1095	33414	0	1057	1100	96 +	1	1093	31699	32788
UN19301	Rsa1.0.05870.1	1269	146055	0	477	507	94 -	3	502	142951	143450
UN19302	Rsa1.0.02589.1	990	300828	0	373	376	99 -	17	392	155784	156159
UN19303	Rsa1.0.00675.1	1113	145590	1.00E-179	434	468	92 -	651	1113	45266	45726

UN19304	Rsa1.0_04027.1	981	19501	3.00E-75	147	148	99 +	136	283	14002	14149
UN19305	Rsa1.0_03085.1	1555	25500	0	738	768	96 +	808	1555	18211	18978
UN19306	Rsa1.0_00168.1	1532	115870	1.00E-110	209	211	99 +	1071	1281	35634	35844
UN19307	Rsa1.0_01070.1	614	55099	0	590	607	97 +	13	614	29901	30507
UN19308	Rsa1.0_00179.1	786	393324	0	777	788	98 -	2	784	73880	74665
UN19309	Rsa1.0_00016.1	1016	831256	1.00E-124	253	258	98 +	763	1016	246882	247139
UN19310	Rsa1.0_00663.1	836	164969	0	700	721	97 +	119	836	125061	125775
UN19311	Rsa1.0_02670.1	826	28887	1.00E-179	363	375	96 +	452	825	1836	2209
UN19312	Rsa1.0_00874.1	1905	179723	0	938	943	99 -	2	944	44911	45853
UN19313	Rsa1.0_01402.1	1715	46509	0	785	844	93 -	2	845	18403	19246
UN19314	Rsa1.0_01566.1	1236	43134	0	381	382	99 -	855	1236	30363	30744
UN19315	Rsa1.0_00351.1	872	413096	1.00E-152	364	389	93 +	490	872	267204	267584
UN19316	Rsa1.0_02486.1	1100	30965	1.00E-120	245	251	97 +	3	251	9729	9978
UN19317	Rsa1.0_01157.1	808	52121	1.00E-122	307	335	91 -	487	808	42504	42837
UN19318	Rsa1.0_00236.1	1249	104771	1.00E-129	346	379	91 -	8	375	82285	82651
UN19319	Rsa1.0_01720.1	1049	40358	1.00E-141	286	295	96 +	3	296	31601	31895
UN19320	Rsa1.0_00705.1	1032	67505	0	578	598	96 +	62	659	9479	10076
UN19321	Rsa1.0_00227.1	2070	105849	0	601	608	98 +	812	1419	30551	31158
UN19322	Rsa1.0_04405.1	1555	17508	0	405	409	99 +	1	409	9041	9449
UN19323	Rsa1.0_01352.1	1413	47443	1.00E-126	229	229	100 +	348	576	12214	12442
UN19324	Rsa1.0_08285.1	1381	7606	0	551	563	97 -	337	897	2625	3187
UN19325	Rsa1.0_00871.1	1559	61539	0	1526	1557	98 -	3	1558	40032	41582
UN19326	Rsa1.0_06092.1	1955	11756	0	493	506	97 -	3	506	2635	3140
UN19327	Rsa1.0_03615.1	1023	21766	0	339	340	99 -	2	341	6065	6404
UN19328	Rsa1.0_00947.1	1711	58664	0	530	565	93 -	1157	1709	47261	47811
UN19329	Rsa1.0_00196.1	1156	109960	0	563	581	96 +	587	1156	102144	102722
UN19330	Rsa1.0_02914.1	1288	26815	0	360	366	98 -	15	378	25036	25401
UN19331	Rsa1.0_08429.1	895	7370	1.00E-128	235	236	99 +	70	305	5517	5752
UN19332	Rsa1.0_00130.1	1702	125737	1.00E-177	316	316	100 +	1	316	99030	99345
UN19333	Rsa1.0_00801.1	845	63861	0	462	466	99 +	1	466	37111	37575
UN19334	#	#	#	#	#	#	#	#	#	#	#
UN19335	Rsa1.0_00758.1	1021	65477	1.00E-167	355	373	95 +	1	373	50034	50404
UN19336	Rsa1.0_01965.1	775	36698	0	348	352	98 -	1	352	24177	24526
UN19337	Rsa1.0_00363.1	579	90968	1.00E-82	191	203	94 -	238	434	53874	54076
UN19338	Rsa1.0_00152.1	871	257730	0	735	781	94 -	91	869	210117	210889
UN19339	Rsa1.0_06868.1	1353	10234	0	558	572	97 +	782	1351	3835	4406
UN19340	Rsa1.0_06311.1	457	11254	5.00E-94	219	233	93 -	91	323	2605	2834
UN19341	Rsa1.0_00730.1	789	66673	1.00E-163	374	398	93 +	2	384	28312	28709
UN19342	Rsa1.0_03292.1	1386	23977	0	439	457	96 -	1	448	20331	20782

UN19343	Rsa1.0_00928.1	1117	59293	1.00E-118	229	233	98 -	770	1002	19347	19579
UN19344	Rsa1.0_00199.1	890	249604	0	530	539	98 +	360	890	164308	164846
UN19345	Rsa1.0_00086.1	1217	439854	0	717	723	99 -	494	1216	290243	290964
UN19346	Rsa1.0_02399.1	1600	31763	0	710	751	94 +	851	1600	12962	13708
UN19347	Rsa1.0_02009.1	905	36100	0	418	438	95 -	143	580	35107	35544
UN19348	Rsa1.0_01296.1	915	49035	0	422	422	100 -	494	915	35532	35953
UN19349	Rsa1.0_00053.1	1540	263459	0	969	986	98 -	550	1535	210955	211935
UN19350	Rsa1.0_02716.1	1960	28465	1.00E-149	329	349	94 +	5	353	17871	18219
UN19351	Rsa1.0_04190.1	1747	18581	1.00E-120	227	228	99 -	1	227	1	228
UN19352	Rsa1.0_00502.1	779	204180	0	567	591	95 -	191	779	181060	181649
UN19353	Rsa1.0_01272.1	867	49553	1.00E-176	314	314	100 -	553	866	36802	37115
UN19354	Rsa1.0_01465.1	1131	45175	0	629	631	99 +	470	1099	3759	4389
UN19355	Rsa1.0_02550.1	785	291051	1.00E-168	311	315	98 -	163	477	275718	276032
UN19356	Rsa1.0_00887.1	1346	61048	0	363	369	98 -	979	1346	29110	29478
UN19357	Rsa1.0_01519.1	1069	44144	0	586	608	96 +	466	1069	39374	39964
UN19358	Rsa1.0_00019.1	766	301669	1.00E-175	401	428	93 -	324	751	293082	293498
UN19359	Rsa1.0_05066.1	905	14943	0	428	439	97 +	475	905	419	855
UN19360	Rsa1.0_00285.1	1153	149638	0	849	866	98 -	288	1153	74970	75834
UN19361	Rsa1.0_00413.1	2099	86921	0	1158	1192	97 +	319	1510	2979	4170
UN19362	Rsa1.0_00985.1	1308	161950	0	492	506	97 +	5	510	141815	142317
UN19363	Rsa1.0_01236.1	1121	50156	0	665	694	95 +	440	1121	35121	35814
UN19364	Rsa1.0_01348.1	1876	47569	0	851	886	96 -	921	1799	16734	17618
UN19365	Rsa1.0_00278.1	1359	231896	0	516	528	97 +	1	526	162428	162951
UN19366	Rsa1.0_02981.1	1137	26285	0	476	481	98 +	2	482	23059	23539
UN19367	Rsa1.0_00722.1	1240	66840	0	474	493	96 +	749	1240	51177	51669
UN19368	Rsa1.0_02305.1	652	32783	0	648	650	99 -	3	652	22360	23009
UN19369	Rsa1.0_00968.1	1427	58020	0	425	436	97 -	242	677	49013	49448
UN19370	Rsa1.0_00380.1	898	89748	4.00E-99	231	248	93 +	444	682	78451	78698
UN19371	Rsa1.0_00222.1	1177	172263	0	783	815	96 -	2	807	65105	65914
UN19372	Rsa1.0_00037.1	1912	307838	0	365	369	98 -	919	1287	289028	289395
UN19373	Rsa1.0_09490.1	823	6335	0	815	822	99 +	2	822	4727	5548
UN19374	Rsa1.0_08988.1	1246	6732	1.00E-161	426	476	89 +	1	458	782	1243
UN19375	Rsa1.0_08661.1	940	7068	0	923	923	100 -	2	924	4632	5554
UN19376	Rsa1.0_00517.1	1068	142790	0	397	410	96 +	1	401	135260	135669
UN19377	Rsa1.0_00823.1	1263	62889	0	358	358	100 -	873	1230	36289	36646
UN19378	Rsa1.0_00159.1	910	431686	0	658	681	96 +	4	684	173431	174103
UN19379	Rsa1.0_01206.1	2992	50772	0	839	846	99 +	2147	2991	13869	14714
UN19380	Rsa1.0_00752.1	2567	65756	2.00E-91	281	317	88 +	2037	2349	49569	49885
UN19381	Rsa1.0_00193.1	987	194198	0	826	865	95 -	125	986	23793	24642

UN19382	Rsa1.0.02716.1	881	28465	2.00E-67	149	155	96 +	575	729	1935	2089
UN19383	Rsa1.0.62786.1	1169	365	0	344	349	98 -	3	351	1	349
UN19384	Rsa1.0.09527.1	1099	6311	1.00E-134	295	311	94 -	527	837	5870	6179
UN19385	Rsa1.0.02504.1	780	30706	1.00E-134	243	243	100 -	538	780	6846	7088
UN19386	Rsa1.0.00114.1	580	131330	0	576	578	99 +	3	580	53520	54097
UN19387	Rsa1.0.00440.1	905	84723	1.00E-166	324	332	97 -	572	903	25068	25398
UN19388	Rsa1.0.13229.1	1826	4963	1.00E-165	317	324	97 +	655	978	3129	3452
UN19389	Rsa1.0.01221.1	1018	50421	0	365	365	100 +	654	1018	49364	49728
UN19390	Rsa1.0.01994.1	1184	36374	0	721	734	98 +	450	1182	10029	10762
UN19391	Rsa1.0.03065.1	686	25656	0	677	684	98 -	3	686	16139	16821
UN19392	Rsa1.0.00754.1	904	65689	1.00E-106	209	213	98 +	3	211	51674	51886
UN19393	Rsa1.0.03837.1	1799	20559	0	379	386	98 +	1369	1754	20172	20556
UN19394	Rsa1.0.00365.1	832	90902	0	376	384	97 -	450	832	58706	59089
UN19395	Rsa1.0.03355.1	956	23489	0	598	611	97 -	346	956	19179	19789
UN19396	Rsa1.0.02236.1	1396	33558	1.00E-136	300	319	94 -	4	313	19567	19885
UN19397	Rsa1.0.00050.1	859	237174	0	587	626	93 -	3	610	7595	8214
UN19398	Rsa1.0.03111.1	1054	25327	0	461	464	99 +	1	464	3018	3481
UN19399	Rsa1.0.00668.1	1025	69421	0	1001	1025	97 +	1	1025	64358	65378
UN19400	Rsa1.0.00154.1	1194	189461	0	965	1009	95 -	151	1159	125784	126792
UN19401	Rsa1.0.00224.1	539	327530	1.00E-97	257	280	91 -	125	402	221387	221660
UN19402	Rsa1.0.00690.1	1472	140527	0	1262	1280	98 +	2	1279	11466	12743
UN19403	Rsa1.0.31349.1	2130	729	0	561	578	97 -	118	688	152	729
UN19404	Rsa1.0.00801.1	1477	63861	0	1233	1337	92 -	8	1313	61300	62604
UN19405	Rsa1.0.51850.1	816	438	2.00E-97	234	248	94 +	5	248	22	269
UN19406	Rsa1.0.01035.1	1075	56019	0	1025	1074	95 +	1	1073	43847	44908
UN19407	Rsa1.0.00130.1	1419	125737	0	1415	1417	99 +	1	1417	29471	30885
UN19408	Rsa1.0.02424.1	572	31570	1.00E-162	303	306	99 -	267	572	6573	6877
UN19409	Rsa1.0.00656.1	876	69968	1.00E-147	285	292	97 -	39	330	46621	46912
UN19410	Rsa1.0.03834.1	1420	20572	0	1373	1418	96 +	3	1420	11804	13211
UN19411	Rsa1.0.00967.1	1764	58049	0	945	948	99 -	3	950	7511	8458
UN19412	Rsa1.0.03241.1	1181	24423	0	1000	1059	94 -	125	1180	5601	6646
UN19413	Rsa1.0.11710.1	1180	5433	0	647	651	99 -	299	949	1873	2523
UN19414	Rsa1.0.00339.1	845	222974	5.00E-80	158	160	98 -	85	244	63385	63544
UN19415	Rsa1.0.05995.1	1566	11997	0	361	367	98 +	1202	1566	8577	8943
UN19416	Rsa1.0.05620.1	557	13148	0	543	555	97 -	3	557	8128	8680
UN19417	Rsa1.0.02156.1	1235	34517	0	383	385	99 -	474	858	20207	20591
UN19418	Rsa1.0.01453.1	1757	45449	0	885	966	91 +	2	929	9979	10921
UN19419	Rsa1.0.01105.1	1481	53958	0	600	615	97 -	554	1168	27951	28565
UN19420	Rsa1.0.00559.1	1512	190486	0	1019	1136	89 -	38	1173	178452	179587

UN19421	Rsa1.0.01012.1	1285	56836	0	624	624	100 +	660	1283	7489	8112
UN19422	Rsa1.0.01371.1	1681	47079	0	1205	1316	91 -	125	1440	42895	44210
UN19423	Rsa1.0.00008.1	1510	358124	0	1086	1134	95 +	320	1450	28198	29322
UN19424	Rsa1.0.16880.1	732	2004	0	528	528	100 +	1	528	468	995
UN19425	Rsa1.0.00284.1	1822	323267	0	459	487	94 -	1	464	134274	134760
UN19426	Rsa1.0.01770.1	1208	39563	0	1168	1210	96 +	1	1207	31815	33002
UN19427	Rsa1.0.03271.1	1441	24187	0	1396	1446	96 +	1	1441	12134	13579
UN19428	Rsa1.0.01170.1	573	161131	0	360	362	99 -	3	364	117909	118270
UN19429	Rsa1.0.00649.1	1494	70263	0	442	445	99 +	1050	1494	62855	63299
UN19430	Rsa1.0.18218.1	2080	1643	0	873	913	95 -	408	1320	1	912
UN19431	Rsa1.0.01602.1	2187	42503	0	560	565	99 -	446	1010	11562	12125
UN19432	Rsa1.0.01500.1	1546	141844	0	621	630	98 -	1	628	10187	10815
UN19433	Rsa1.0.00165.1	1580	116466	0	684	719	95 +	405	1113	27250	27960
UN19434	Rsa1.0.01450.1	471	144251	1.00E-91	180	183	98 +	1	183	133312	133494
UN19435	Rsa1.0.01368.1	2120	47129	0	566	579	97 +	1277	1848	29056	29634
UN19436	Rsa1.0.04617.1	967	16625	0	904	989	91 -	7	967	15283	16262
UN19437	Rsa1.0.01184.1	1268	51452	1.00E-175	375	394	95 +	882	1268	42359	42746
UN19438	Rsa1.0.05442.1	1303	13741	0	407	433	93 +	872	1303	1778	2196
UN19439	Rsa1.0.00841.1	1264	183065	0	595	598	99 -	2	598	49678	50275
UN19440	Rsa1.0.00475.1	1583	81678	0	867	869	99 -	714	1582	39183	40051
UN19441	Rsa1.0.01709.1	1239	40587	1.00E-179	337	343	98 +	758	1100	10369	10711
UN19442	Rsa1.0.01071.1	1169	166914	0	366	372	98 +	1	372	14036	14407
UN19443	Rsa1.0.00482.1	1445	81162	0	475	485	97 -	1	485	66121	66598
UN19444	Rsa1.0.00920.1	675	601703	1.00E-132	245	247	99 +	427	673	448348	448594
UN19445	Rsa1.0.00057.1	1319	160473	1.00E-170	312	315	99 -	208	522	71413	71727
UN19446	Rsa1.0.08861.1	1744	6847	0	1719	1744	98 -	1	1744	2308	4050
UN19447	Rsa1.0.00071.1	1132	345714	0	488	495	98 -	67	560	207419	207913
UN19448	Rsa1.0.03290.1	2124	24011	1.00E-157	329	341	96 +	1785	2124	18991	19328
UN19449	Rsa1.0.03663.1	1562	21488	0	749	760	98 +	792	1551	6262	7020
UN19450	Rsa1.0.00065.1	1484	454616	1.00E-163	291	291	100 +	1	291	8919	9209
UN19451	Rsa1.0.00008.1	1285	358124	0	740	749	98 -	531	1274	283032	283780
UN19452	Rsa1.0.00543.1	867	76788	0	563	569	98 -	299	867	15007	15572
UN19453	Rsa1.0.00339.1	1099	222974	0	372	389	95 -	711	1098	180014	180389
UN19454	Rsa1.0.01728.1	1345	40239	0	1298	1335	97 -	15	1345	3956	5287
UN19455	Rsa1.0.01042.1	798	293264	0	527	527	100 +	1	527	153984	154510
UN19456	Rsa1.0.49744.1	1617	456	1.00E-140	313	329	95 +	39	363	1	325
UN19457	Rsa1.0.08305.1	1151	7571	1.00E-126	286	301	95 -	1	295	5615	5912
UN19458	Rsa1.0.04574.1	1421	16786	0	515	526	97 -	402	921	5374	5899
UN19459	Rsa1.0.00453.1	1481	83031	0	1466	1479	99 -	1	1479	77210	78685

UN19460	Rsa1.0.00236.1	1869	104771	0	576	583	98 -	1287	1867	61616	62198
UN19461	Rsa1.0.00497.1	1455	79830	0	990	990	100 +	466	1455	70653	71642
UN19462	Rsa1.0.04934.1	991	143962	0	964	987	97 -	7	991	11783	12768
UN19463	Rsa1.0.04740.1	2135	16165	0	773	777	99 -	1343	2119	468	1243
UN19464	Rsa1.0.00616.1	2016	195713	0	471	471	100 -	1544	2014	147120	147590
UN19465	Rsa1.0.00016.1	1354	831256	0	561	562	99 -	1	561	504338	504899
UN19466	Rsa1.0.00394.1	1523	148426	0	1497	1524	98 -	3	1523	102166	103686
UN19467	Rsa1.0.01295.1	1192	49040	0	1159	1194	97 +	1	1187	46793	47986
UN19468	Rsa1.0.07654.1	837	8917	0	408	416	98 -	1	408	3857	4272
UN19469	Rsa1.0.14764.1	1971	3084	0	1109	1156	95 +	814	1961	1483	2634
UN19470	Rsa1.0.00116.1	1264	365886	0	340	340	100 +	924	1263	67695	68034
UN19471	Rsa1.0.00329.1	1543	222544	0	671	691	97 -	146	830	20262	20952
UN19472	Rsa1.0.15087.1	2002	2842	0	638	644	99 +	173	816	2062	2705
UN19473	Rsa1.0.03476.1	1416	22646	0	401	411	97 +	132	541	10297	10707
UN19474	Rsa1.0.00707.1	1372	190112	0	722	726	99 +	644	1369	149667	150392
UN19475	Rsa1.0.00684.1	1353	141701	0	497	531	93 -	828	1353	54180	54698
UN19476	Rsa1.0.01094.1	1450	167285	0	629	648	97 +	3	648	1140	1782
UN19477	Rsa1.0.00128.1	1692	228675	0	503	505	99 -	3	507	97144	97648
UN19478	Rsa1.0.03029.1	1409	25858	0	868	906	95 +	512	1408	20341	21241
UN19479	Rsa1.0.00657.1	2189	69858	1.00E-109	201	201	100 -	1989	2189	58010	58210
UN19480	Rsa1.0.00027.1	1265	283362	0	514	519	99 +	402	920	51034	51552
UN19481	Rsa1.0.00047.1	1729	168582	0	570	605	94 +	99	703	29923	30513
UN19482	Rsa1.0.00904.1	995	180594	0	968	985	98 +	11	993	16478	17459
UN19483	Rsa1.0.06127.1	1564	11675	0	656	685	95 +	1	682	6082	6758
UN19484	Rsa1.0.05882.1	1915	12340	0	437	441	99 +	1	440	4283	4723
UN19485	Rsa1.0.02695.1	915	28605	0	650	660	98 -	255	914	7026	7685
UN19486	Rsa1.0.01331.1	3147	47944	0	1844	1931	95 -	2	1898	17217	19146
UN19487	Rsa1.0.02643.1	1153	29176	0	714	714	100 +	56	769	27641	28354
UN19488	Rsa1.0.00056.1	1644	332604	0	375	378	99 +	1269	1644	94692	95069
UN19489	Rsa1.0.08430.1	2431	7367	0	444	479	92 +	1243	1710	5345	5821
UN19490	Rsa1.0.01263.1	1477	49703	0	973	1017	95 -	3	1005	1553	2569
UN19491	Rsa1.0.03978.1	1014	19753	1.00E-138	291	303	96 +	712	1011	11983	12284
UN19492	Rsa1.0.00434.1	1395	85171	0	358	363	98 +	727	1089	34846	35208
UN19493	Rsa1.0.01844.1	1412	38421	1.00E-163	340	356	95 -	612	967	15108	15463
UN19494	Rsa1.0.00262.1	1717	101906	0	483	496	97 -	1223	1716	94662	95156
UN19495	Rsa1.0.00216.1	594	197563	0	470	474	99 -	3	476	186705	187178
UN19496	Rsa1.0.01056.1	1207	55449	0	402	417	96 +	3	419	14440	14849
UN19497	Rsa1.0.15814.1	1299	2409	1.00E-155	279	279	100 +	302	580	740	1018
UN19498	Rsa1.0.00435.1	572	317579	0	352	353	99 -	220	572	70728	71080

UN19499	Rsa1.0.00686.1	1367	68511	1.00E-140	279	286	97 -	1	285	42629	42914
UN19500	Rsa1.0.00506.1	1401	79106	0	1015	1038	97 -	1	1038	64312	65342
UN19501	Rsa1.0.00363.1	1352	90968	0	397	407	97 +	944	1349	22565	22971
UN19502	Rsa1.0.00245.1	1508	103569	0	1069	1073	99 +	1	1073	61676	62748
UN19503	Rsa1.0.00144.1	765	120708	1.00E-152	349	374	93 -	391	763	79342	79702
UN19504	Rsa1.0.05723.1	1048	12817	0	646	678	95 -	7	678	5257	5932
UN19505	Rsa1.0.00017.1	1566	752458	1.00E-171	312	314	99 +	1253	1566	54639	54952
UN19506	Rsa1.0.00340.1	512	305782	1.00E-153	291	296	98 +	2	294	109342	109637
UN19507	Rsa1.0.00240.1	1276	104175	0	555	574	96 +	702	1274	92182	92747
UN19508	Rsa1.0.03956.1	1334	19872	0	819	841	97 -	493	1332	13126	13956
UN19509	Rsa1.0.15623.1	1209	2515	0	759	766	99 -	1	766	14	778
UN19510	Rsa1.0.14460.1	1139	3366	0	483	523	92 -	3	508	942	1460
UN19511	Rsa1.0.14737.1	1497	3115	0	611	631	96 -	646	1261	1328	1958
UN19512	Rsa1.0.01756.1	1441	39779	0	568	570	99 -	874	1441	26923	27492
UN19513	Rsa1.0.00532.1	949	77384	0	924	943	97 +	7	947	30126	31068
UN19514	Rsa1.0.00791.1	1061	64201	0	859	868	98 +	14	880	56706	57573
UN19515	Rsa1.0.00038.1	1153	314568	2.00E-27	67	68	98 +	54	121	27750	27817
UN19516	Rsa1.0.36275.1	1020	622	0	475	482	98 +	155	635	1	481
UN19517	Rsa1.0.00429.1	1091	85559	1.00E-178	322	324	99 +	2	325	25745	26068
UN19518	Rsa1.0.00292.1	924	98141	0	343	343	100 +	1	343	63912	64254
UN19519	Rsa1.0.02894.1	2157	26997	0	535	552	96 -	1606	2157	12015	12557
UN19520	Rsa1.0.08079.1	1600	7942	0	1568	1603	97 +	1	1599	4554	6154
UN19521	Rsa1.0.01319.1	857	48273	1.00E-162	289	289	100 +	79	367	40946	41234
UN19522	Rsa1.0.01245.1	1143	149868	0	604	604	100 +	539	1142	42586	43189
UN19523	Rsa1.0.03063.1	1308	25673	0	564	584	96 -	1	580	9182	9765
UN19524	Rsa1.0.05273.1	1379	14304	1.00E-117	233	239	97 -	1139	1377	13753	13991
UN19525	Rsa1.0.11912.1	1454	5372	0	818	837	97 +	617	1453	2521	3351
UN19526	Rsa1.0.08645.1	987	7087	0	530	531	99 -	457	987	60	590
UN19527	Rsa1.0.03926.1	1012	20024	1.00E-123	228	229	99 +	34	262	5387	5615
UN19528	Rsa1.0.01310.1	900	164719	0	440	444	99 -	459	899	159252	159695
UN19529	Rsa1.0.03294.1	1652	23971	1.00E-136	258	261	98 +	1392	1652	4753	5011
UN19530	Rsa1.0.00716.1	684	67078	0	535	549	97 -	137	684	37365	37913
UN19531	Rsa1.0.01274.1	950	49419	1.00E-114	271	290	93 +	649	937	37166	37455
UN19532	Rsa1.0.05755.1	966	12730	0	531	545	97 +	10	550	9386	9928
UN19533	Rsa1.0.11741.1	1412	5423	0	464	500	92 -	414	913	4597	5096
UN19534	Rsa1.0.00532.1	1404	77384	1.00E-136	247	247	100 -	3	249	15300	15546
UN19535	Rsa1.0.19147.1	874	1473	0	553	557	99 +	1	557	888	1441
UN19536	Rsa1.0.03978.1	1115	19753	0	370	370	100 +	718	1087	11983	12352
UN19537	Rsa1.0.00402.1	899	385315	0	372	374	99 -	1	374	86468	86841

UN19538	Rsa1.0.00038.1	889	314568	1.00E-120	305	330	92 +	571	889	16997	17323
UN19539	Rsa1.0.04835.1	993	15766	0	434	442	98 +	6	447	9140	9578
UN19540	Rsa1.0_11005.1	886	5650	1.00E-151	301	310	97 +	580	886	766	1075
UN19541	Rsa1.0_13978.1	1130	3965	0	674	678	99 -	146	823	1	678
UN19542	Rsa1.0_02226.1	908	33726	1.00E-126	287	305	94 -	610	903	10091	10395
UN19543	Rsa1.0_00922.1	871	59588	0	705	718	98 -	4	716	39245	39961
UN19544	Rsa1.0.35031.1	1354	646	0	594	596	99 -	706	1301	1	596
UN19545	Rsa1.0.09024.1	833	6703	0	628	633	99 +	28	660	6072	6703
UN19546	Rsa1.0.00021.1	1038	263655	0	361	367	98 -	246	612	238503	238869
UN19547	Rsa1.0.12442.1	1035	5225	1.00E-144	260	260	100 +	776	1035	461	720
UN19548	Rsa1.0.00211.1	1373	228189	0	499	516	96 -	265	778	130199	130714
UN19549	Rsa1.0.21670.1	1082	1183	1.00E-124	236	239	98 -	844	1082	71	309
UN19550	Rsa1.0.03169.1	775	24826	0	471	477	98 -	304	775	2578	3054
UN19551	Rsa1.0.00315.1	1033	96426	0	597	601	99 -	433	1033	46896	47493
UN19552	Rsa1.0.02377.1	1202	31994	0	647	656	98 -	11	666	6670	7325
UN19553	Rsa1.0.01238.1	944	50120	0	904	915	98 -	30	944	26916	27828
UN19554	Rsa1.0.02090.1	1427	35161	1.00E-133	242	242	100 -	157	398	20970	21211
UN19555	Rsa1.0.38361.1	899	587	0	430	437	98 -	384	820	1	437
UN19556	Rsa1.0.07331.1	710	9548	0	704	708	99 -	3	710	3176	3883
UN19557	Rsa1.0.02772.1	1143	28047	1.00E-163	348	368	94 -	776	1143	17257	17615
UN19558	Rsa1.0.00604.1	863	146282	1.00E-151	314	327	96 +	536	861	113696	114022
UN19559	Rsa1.0.00241.1	590	104000	1.00E-137	273	279	97 -	2	279	65104	65381
UN19560	Rsa1.0.01876.1	910	37800	0	690	699	98 +	212	910	36310	37006
UN19561	Rsa1.0.00093.1	1831	214962	0	741	743	99 -	1088	1830	22719	23461
UN19562	Rsa1.0.01660.1	913	41400	0	434	450	96 +	476	912	27246	27695
UN19563	Rsa1.0.34219.1	1389	662	0	644	653	98 -	739	1389	10	662
UN19564	Rsa1.0.33878.1	830	669	0	338	340	99 -	71	410	161	500
UN19565	Rsa1.0.00383.1	675	398431	0	621	658	94 -	16	664	186026	186678
UN19566	Rsa1.0.00387.1	814	495407	0	344	345	99 +	1	345	339943	340287
UN19567	Rsa1.0.21904.1	982	1164	1.00E-171	311	313	99 +	4	316	840	1152
UN19568	Rsa1.0.00281.1	638	99908	1.00E-125	234	235	99 +	376	609	12443	12677
UN19569	Rsa1.0.03995.1	1130	19654	1.00E-138	305	317	96 -	654	964	2310	2626
UN19570	Rsa1.0.00347.1	858	93048	0	410	417	98 +	444	858	86405	86821
UN19571	Rsa1.0.04064.1	893	19297	0	413	427	96 +	286	709	18501	18925
UN19572	Rsa1.0.01491.1	1265	44718	0	452	458	98 +	414	871	19029	19486
UN19573	Rsa1.0.01171.1	1138	51752	0	377	394	95 +	755	1134	50943	51336
UN19574	Rsa1.0.01525.1	1243	43925	0	440	441	99 -	1	441	32428	32867
UN19575	Rsa1.0.00080.1	909	190437	1.00E-133	265	273	97 -	185	457	34258	34530
UN19576	Rsa1.0.02944.1	868	26553	1.00E-165	306	310	98 +	28	337	24455	24764

UN19577	Rsa1.0.00361.1	1261	91181	1.00E-154	277	277	100 -	851	1127	12174	12450
UN19578	Rsa1.0.08558.1	1150	7198	0	483	526	91 -	633	1149	2202	2721
UN19579	Rsa1.0.01113.1	1983	53616	0	861	873	98 +	1110	1982	48955	49825
UN19580	Rsa1.0.05231.1	1816	14424	1.00E-113	227	233	97 +	1399	1631	7214	7446
UN19581	Rsa1.0.00612.1	1760	72376	1.00E-152	273	273	100 -	848	1120	63354	63626
UN19582	Rsa1.0.00295.1	1408	152597	0	615	615	100 +	274	888	33905	34519
UN19583	Rsa1.0.00061.1	964	218685	0	584	585	99 +	1	585	2031	2614
UN19584	Rsa1.0.02826.1	2330	27560	0	484	484	100 -	256	739	25714	26197
UN19585	Rsa1.0.01604.1	918	42461	1.00E-175	343	352	97 +	3	353	1092	1443
UN19586	Rsa1.0.00382.1	914	251946	1.00E-129	244	247	98 -	284	530	113183	113429
UN19587	Rsa1.0.04852.1	2884	15712	0	923	977	94 +	414	1390	8979	9942
UN19588	Rsa1.0.00325.1	1016	95371	1.00E-153	284	287	98 +	174	460	73729	74015
UN19589	Rsa1.0.00205.1	1514	193401	0	593	599	98 -	114	712	175714	176311
UN19590	Rsa1.0.05324.1	1147	14145	0	444	449	98 -	1	449	13120	13568
UN19591	Rsa1.0.00006.1	683	396176	1.00E-106	294	321	91 -	368	677	275841	276159
UN19592	Rsa1.0.01434.1	1163	45951	0	889	905	98 -	1	905	23021	23925
UN19593	Rsa1.0.04969.1	935	15283	1.00E-105	209	214	97 +	288	501	14289	14502
UN19594	Rsa1.0.00525.1	714	78030	0	393	393	100 -	321	713	23993	24385
UN19595	Rsa1.0.08459.1	1077	7315	0	594	595	99 +	2	596	6240	6834
UN19596	Rsa1.0.04437.1	787	17362	0	780	785	99 -	3	785	1600	2382
UN19597	Rsa1.0.02398.1	1366	31766	0	1099	1188	92 -	72	1250	16806	17987
UN19598	Rsa1.0.00589.1	1636	209965	0	1014	1051	96 -	402	1448	9243	10291
UN19599	Rsa1.0.04381.1	1015	17639	0	531	577	92 -	445	1011	12731	13281
UN19600	Rsa1.0.00065.1	1934	454616	0	1028	1040	98 +	887	1924	126502	127541
UN19601	Rsa1.0.03260.1	1212	24284	0	544	555	98 -	658	1212	16797	17349
UN19602	Rsa1.0.02276.1	898	33098	1.00E-129	271	283	95 +	3	280	28453	28735
UN19603	Rsa1.0.05539.1	1591	13389	0	563	566	99 +	1024	1589	8363	8928
UN19604	Rsa1.0.00494.1	936	79967	0	927	935	99 +	1	934	49884	50817
UN19605	Rsa1.0.12391.1	1247	5238	0	382	397	96 -	3	398	4768	5164
UN19606	Rsa1.0.03592.1	1686	21878	0	789	806	97 +	883	1686	4363	5168
UN19607	Rsa1.0.03110.1	1356	25335	0	463	466	99 +	890	1355	8179	8644
UN19608	Rsa1.0.00615.1	1549	72235	0	356	358	99 -	202	559	26723	27079
UN19609	Rsa1.0.00067.1	567	415055	0	368	379	97 -	55	428	209269	209647
UN19610	Rsa1.0.00302.1	713	97521	0	346	350	98 +	1	346	79307	79656
UN19611	Rsa1.0.01390.1	747	46695	0	435	435	100 -	313	747	18984	19418
UN19612	Rsa1.0.03352.1	1039	23506	0	1029	1048	98 +	1	1039	14261	15308
UN19613	Rsa1.0.01590.1	857	42719	0	778	791	98 -	67	857	9983	10773
UN19614	Rsa1.0.03090.1	1610	25464	0	997	1035	96 -	389	1419	14474	15505
UN19615	Rsa1.0.02754.1	591	28213	0	426	429	99 -	164	591	8589	9017

UN19616	Rsa1.0.05501.1	1110	13513	1.00E-77	169	176	96 -	202	377	9065	9240
UN19617	Rsa1.0.04242.1	674	18340	1.00E-141	261	263	99 -	1	263	6626	6888
UN19618	Rsa1.0.05122.1	967	14791	1.00E-159	284	284	100 +	1	284	9010	9293
UN19619	Rsa1.0.01466.1	1249	45161	1.00E-120	289	313	92 +	935	1247	14125	14430
UN19620	Rsa1.0.00546.1	681	76523	0	396	402	98 +	200	598	69605	70006
UN19621	Rsa1.0.00475.1	746	81678	0	736	755	97 +	1	746	38102	38856
UN19622	Rsa1.0.00273.1	969	326186	0	358	359	99 -	1	359	125342	125700
UN19623	Rsa1.0.01293.1	506	49139	1.00E-144	290	299	96 -	3	294	28083	28381
UN19624	Rsa1.0.00630.1	1718	71281	0	627	634	98 +	1086	1718	5334	5967
UN19625	Rsa1.0.00121.1	687	278029	1.00E-131	300	317	94 +	373	687	54300	54614
UN19626	Rsa1.0.16574.1	754	2106	0	386	390	98 +	76	465	1717	2106
UN19627	Rsa1.0.01123.1	713	53359	0	420	423	99 +	1	422	14635	15057
UN19628	Rsa1.0.00353.1	1003	92242	0	551	562	98 +	2	563	61983	62538
UN19629	Rsa1.0.00512.1	764	200277	0	560	578	96 +	187	764	72466	73043
UN19630	Rsa1.0.00021.1	644	263655	1.00E-179	363	376	96 -	267	640	80113	80486
UN19631	Rsa1.0.48937.1	1394	463	0	439	444	98 -	918	1361	1	441
UN19632	Rsa1.0.00224.1	1292	327530	0	561	566	99 +	716	1281	4810	5375
UN19633	Rsa1.0.00567.1	1443	75260	1.00E-115	280	303	92 +	47	339	66990	67292
UN19634	Rsa1.0.05436.1	1240	13758	0	844	854	98 +	332	1185	9953	10797
UN19635	Rsa1.0.00362.1	1155	299497	0	691	703	98 +	401	1103	238849	239549
UN19636	Rsa1.0.00782.1	1946	64468	1.00E-174	473	521	90 +	476	983	19171	19678
UN19637	Rsa1.0.00077.1	1006	145005	1.00E-149	271	272	99 -	732	1003	66829	67100
UN19638	Rsa1.0.00086.1	1221	439854	0	379	387	97 +	755	1140	299867	300253
UN19639	Rsa1.0.01633.1	1229	41868	0	739	755	97 +	14	765	18059	18813
UN19640	Rsa1.0.01459.1	662	45277	1.00E-100	287	321	89 -	346	657	42950	43259
UN19641	Rsa1.0.00123.1	965	325650	1.00E-136	257	259	99 +	706	964	143131	143388
UN19642	Rsa1.0.00022.1	576	200461	1.00E-104	192	192	100 +	385	576	191050	191241
UN19643	Rsa1.0.39888.1	925	563	0	467	482	96 +	427	905	1	482
UN19644	Rsa1.0.03010.1	776	26054	1.00E-123	245	252	97 -	525	776	20626	20877
UN19645	Rsa1.0.01377.1	1025	46967	1.00E-130	299	321	93 +	704	1023	24880	25188
UN19646	Rsa1.0.01175.1	748	51674	0	365	365	100 -	375	739	35937	36301
UN19647	Rsa1.0.05792.1	762	12612	1.00E-143	266	269	98 +	162	430	642	910
UN19648	Rsa1.0.00211.1	1212	228189	1.00E-130	242	244	99 -	414	657	16536	16779
UN19649	Rsa1.0.02295.1	684	149884	0	675	692	97 +	1	680	1496	2187
UN19650	Rsa1.0.00037.1	1363	307838	0	984	1026	95 +	1	1022	175802	176825
UN19651	Rsa1.0.00458.1	572	82717	0	568	568	100 -	3	570	74870	75437
UN19652	Rsa1.0.00678.1	646	193163	6.00E-17	97	114	85 -	428	541	23509	23622
UN19653	Rsa1.0.01936.1	595	37151	9.00E-90	220	236	93 +	315	546	18530	18763
UN19654	Rsa1.0.05482.1	914	13595	1.00E-150	279	281	99 -	634	914	4273	4552

UN19655	Rsa1.0_00848.1	1075	152362	1.00E-141	282	291	96 +	785	1075	35655	35945
UN19656	Rsa1.0_00596.1	752	73578	1.00E-164	353	373	94 +	123	495	42155	42527
UN19657	Rsa1.0_00179.1	736	393324	1.00E-150	287	292	98 -	22	310	199770	200061
UN19658	Rsa1.0_00414.1	946	202190	0	628	632	99 +	315	946	36763	37394
UN19659	Rsa1.0_00152.1	939	257730	1.00E-128	299	320	93 -	620	937	96159	96463
UN19660	Rsa1.0_01882.1	852	37697	0	817	858	95 -	3	851	10955	11799
UN19661	Rsa1.0_02829.1	961	27541	0	499	539	92 -	440	952	3243	3781
UN19662	Rsa1.0_00782.1	688	64468	1.00E-132	249	252	98 -	435	686	17720	17971
UN19663	Rsa1.0_00134.1	610	390219	0	374	377	99 +	1	377	21793	22169
UN19664	Rsa1.0_01786.1	692	133324	1.00E-119	232	237	97 -	23	259	106421	106657
UN19665	Rsa1.0_02450.1	934	31288	0	831	842	98 -	1	839	16916	17755
UN19666	Rsa1.0_00030.1	882	250988	0	464	468	99 +	417	882	87453	87920
UN19667	Rsa1.0_00695.1	1688	68019	0	667	673	99 -	1017	1686	58664	59336
UN19668	Rsa1.0_43909.1	645	512	0	396	398	99 +	3	400	77	473
UN19669	Rsa1.0_02813.1	1095	27656	2.00E-86	222	245	90 +	691	935	25680	25909
UN19670	Rsa1.0_04600.1	1634	16694	0	618	619	99 +	650	1268	12273	12891
UN19671	Rsa1.0_00194.1	1036	110851	0	393	397	98 -	641	1036	72527	72923
UN19672	Rsa1.0_00657.1	1303	69858	1.00E-154	319	329	96 +	977	1303	9457	9784
UN19673	Rsa1.0_02486.1	1051	30965	1.00E-150	284	289	98 +	762	1050	11659	11947
UN19674	Rsa1.0_00294.1	2294	144860	0	587	588	99 +	563	1150	60107	60694
UN19675	Rsa1.0_00318.1	628	96094	1.00E-108	202	203	99 +	208	410	43395	43597
UN19676	Rsa1.0_00204.1	1054	109056	1.00E-173	309	309	100 +	598	906	48140	48448
UN19677	Rsa1.0_00453.1	868	83031	0	498	503	99 -	53	555	68504	69006
UN19678	Rsa1.0_00023.1	1407	194764	0	683	685	99 +	602	1286	180083	180767
UN19679	Rsa1.0_00911.1	1056	59943	0	499	504	99 -	552	1050	44346	44849
UN19680	Rsa1.0_00712.1	1138	67217	0	435	436	99 +	2	437	66455	66889
UN19681	Rsa1.0_00179.1	1647	393324	0	359	361	99 +	3	363	51814	52173
UN19682	Rsa1.0_01721.1	1599	40345	0	691	695	99 -	905	1599	23089	23783
UN19683	Rsa1.0_00185.1	1145	248445	0	1012	1077	93 -	1	1073	204336	205411
UN19684	Rsa1.0_03216.1	1360	24540	0	1281	1289	99 +	1	1288	23252	24540
UN19685	Rsa1.0_02079.1	1388	35306	0	504	511	98 +	103	613	23541	24051
UN19686	Rsa1.0_00101.1	954	267193	0	811	874	92 +	65	932	103685	104554
UN19687	Rsa1.0_00354.1	1376	232005	0	407	408	99 -	1	407	168195	168602
UN19688	Rsa1.0_00447.1	937	84051	1.00E-130	271	281	96 -	625	905	14956	15235
UN19689	Rsa1.0_00634.1	1816	71222	0	387	392	98 +	1421	1812	57160	57550
UN19690	Rsa1.0_00897.1	1088	60498	1.00E-118	318	348	91 -	747	1088	21846	22191
UN19691	Rsa1.0_05150.1	966	14673	0	367	369	99 +	1	369	3240	3608
UN19692	Rsa1.0_05130.1	1474	14758	0	1123	1126	99 +	1	1125	11444	12569
UN19693	Rsa1.0_01068.1	1732	55208	0	399	410	97 +	4	407	28140	28548

UN19694	Rsa1.0.00719.1	1227	66952	0	417	435	95 +	791	1225	47331	47760
UN19695	Rsa1.0.04030.1	823	19489	2.00E-66	158	167	94 +	659	822	304	470
UN19696	Rsa1.0.02389.1	1252	146428	0	474	476	99 -	4	479	694	1169
UN19697	Rsa1.0.06443.1	942	11008	1.00E-112	239	248	96 -	615	859	5835	6081
UN19698	Rsa1.0.04961.1	686	15316	1.00E-108	269	294	91 -	2	276	13226	13518
UN19699	Rsa1.0.00002.1	1179	601661	0	1110	1118	99 -	5	1121	289127	290241
UN19700	Rsa1.0.00468.1	1450	82095	0	1344	1385	97 -	65	1447	66625	68007
UN19701	Rsa1.0.01701.1	1309	162121	0	1069	1069	100 -	1	1069	144523	145591
UN19702	Rsa1.0.02151.1	896	34575	0	350	350	100 -	547	896	4597	4946
UN19703	Rsa1.0.00014.1	1781	348985	1.00E-133	400	452	88 +	672	1116	252326	252776
UN19704	Rsa1.0.01901.1	1324	37472	0	567	593	95 +	693	1284	20156	20727
UN19705	Rsa1.0.00238.1	773	193193	0	527	547	96 -	1	543	190030	190576
UN19706	Rsa1.0.00403.1	1187	87701	0	740	740	100 +	1	740	43676	44415
UN19707	Rsa1.0.00819.1	949	62918	0	360	367	98 -	582	948	5151	5516
UN19708	Rsa1.0.01887.1	988	37564	1.00E-174	370	390	94 +	3	392	23860	24249
UN19709	Rsa1.0.01484.1	1028	44806	1.00E-170	318	320	99 +	1	319	14353	14671
UN19710	Rsa1.0.00179.1	1185	393324	0	739	747	98 +	2	747	277903	278648
UN19711	Rsa1.0.04252.1	1456	18262	1.00E-148	275	278	98 -	574	851	5104	5381
UN19712	Rsa1.0.03122.1	1372	25207	1.00E-180	326	328	99 -	758	1085	6320	6647
UN19713	Rsa1.0.00258.1	1113	102381	1.00E-161	304	309	98 -	157	465	46518	46826
UN19714	Rsa1.0.00059.1	1344	159650	0	412	423	97 -	921	1342	84772	85194
UN19715	Rsa1.0.00065.1	1231	454616	0	445	447	99 -	3	449	191624	192070
UN19716	Rsa1.0.01522.1	1252	157436	0	923	936	98 +	1	936	3042	3976
UN19717	Rsa1.0.01536.1	658	43747	0	639	658	97 -	1	656	25562	26207
UN19718	Rsa1.0.00087.1	1288	761073	0	489	491	99 -	798	1288	300483	300973
UN19719	Rsa1.0.10932.1	1023	5673	0	493	500	98 +	522	1021	2552	3051
UN19720	Rsa1.0.12394.1	1406	5237	0	378	393	96 +	977	1369	4534	4918
UN19721	Rsa1.0.02210.1	1646	33857	0	1037	1050	98 +	597	1646	5810	6859
UN19722	Rsa1.0.01240.1	1515	50075	0	674	683	98 -	836	1515	40540	41221
UN19723	Rsa1.0.01178.1	2267	51571	0	655	674	97 +	837	1509	19574	20234
UN19724	Rsa1.0.01795.1	1378	39171	0	628	640	98 +	508	1146	18095	18733
UN19725	Rsa1.0.00056.1	872	332604	0	790	836	94 +	44	872	7983	8808
UN19726	Rsa1.0.03175.1	1206	24802	0	524	540	97 +	667	1205	4236	4772
UN19727	Rsa1.0.03835.1	1400	20567	0	605	621	97 +	768	1382	8140	8760
UN19728	Rsa1.0.01198.1	680	51029	2.00E-97	312	353	88 -	292	629	7545	7885
UN19729	Rsa1.0.02333.1	624	32431	1.00E-105	358	405	88 +	234	624	29979	30370
UN19730	Rsa1.0.00977.1	589	198001	0	587	587	100 -	1	587	50728	51314
UN19731	Rsa1.0.06166.1	1789	11583	0	789	825	95 +	968	1788	5941	6749
UN19732	Rsa1.0.00002.1	983	601661	1.00E-136	261	265	98 +	717	981	255585	255847

UN19733	Rsa1.0.00015.1	881	561803	0	497	499	99 -	385	881	193292	193790
UN19734	Rsa1.0.01349.1	1213	47513	0	758	759	99 +	454	1212	34812	35570
UN19735	Rsa1.0.02725.1	762	28404	1.00E-86	182	186	97 +	2	185	6572	6756
UN19736	Rsa1.0.01363.1	1717	47195	1.00E-177	337	344	97 +	3	346	20177	20520
UN19737	Rsa1.0.01178.1	1040	51571	7.00E-98	260	286	90 +	443	728	25592	25877
UN19738	Rsa1.0.00062.1	1319	299291	0	396	407	97 -	806	1211	263778	264184
UN19739	Rsa1.0.00105.1	1981	134138	0	665	674	98 -	2	670	123747	124420
UN19740	Rsa1.0.16059.1	890	2302	1.00E-136	246	246	100 +	645	890	345	590
UN19741	Rsa1.0.05679.1	1759	12958	1.00E-174	311	311	100 -	1448	1758	499	809
UN19742	Rsa1.0.00055.1	863	520193	0	661	666	99 +	198	863	179688	180352
UN19743	Rsa1.0.00634.1	1392	71222	0	369	379	97 +	1015	1392	3677	4051
UN19744	Rsa1.0.00547.1	754	76521	0	374	376	99 +	3	378	74160	74535
UN19745	Rsa1.0.07634.1	913	8979	0	430	438	98 -	3	440	5114	5548
UN19746	Rsa1.0.00120.1	960	277288	1.00E-116	261	274	95 -	690	960	92238	92509
UN19747	Rsa1.0.02897.1	1334	26967	0	567	572	99 +	121	692	20103	20671
UN19748	Rsa1.0.03413.1	976	23137	0	974	976	99 +	3	976	15902	16877
UN19749	Rsa1.0.00451.1	769	322533	0	522	525	99 -	245	769	311698	312222
UN19750	Rsa1.0.03356.1	1244	23487	0	852	852	100 -	1	852	5698	6549
UN19751	Rsa1.0.01331.1	1958	47944	0	1251	1334	93 +	152	1479	17354	18687
UN19752	Rsa1.0.01553.1	684	43379	1.00E-154	351	370	94 -	5	368	15175	15543
UN19753	Rsa1.0.02499.1	1003	30774	0	350	355	98 +	2	356	1068	1422
UN19754	Rsa1.0.03787.1	636	20876	0	601	607	99 -	31	636	13024	13629
UN19755	Rsa1.0.00480.1	1378	81325	0	1076	1119	96 -	1	1101	7351	8451
UN19756	Rsa1.0.00758.1	1431	65477	1.00E-135	277	287	96 -	636	919	34807	35093
UN19757	Rsa1.0.08027.1	1404	8058	0	727	741	98 -	1	740	6693	7433
UN19758	Rsa1.0.02908.1	964	26859	1.00E-136	253	255	99 +	324	578	8990	9244
UN19759	Rsa1.0.01405.1	1222	46445	0	596	610	97 +	3	612	12711	13312
UN19760	Rsa1.0.04250.1	1307	18264	1.00E-179	334	339	98 -	1	339	11034	11372
UN19761	Rsa1.0.01015.1	1261	56752	0	564	592	95 -	1	585	7528	8115
UN19762	Rsa1.0.00464.1	725	82253	0	554	577	96 -	6	573	64562	65138
UN19763	Rsa1.0.01388.1	1676	46741	0	453	474	95 +	844	1314	20000	20473
UN19764	Rsa1.0.00065.1	1446	454616	0	572	626	91 -	826	1446	26103	26712
UN19765	Rsa1.0.00978.1	922	57739	1.00E-159	513	588	87 +	45	623	42015	42599
UN19766	Rsa1.0.01033.1	781	56173	0	366	367	99 +	415	781	27108	27474
UN19767	Rsa1.0.05218.1	888	14457	0	329	329	100 -	560	888	9531	9859
UN19768	Rsa1.0.02280.1	1017	33063	0	1008	1013	99 +	3	1015	106	1118
UN19769	Rsa1.0.02036.1	1903	35731	0	1047	1049	99 +	853	1901	24421	25469
UN19770	Rsa1.0.01149.1	1065	160459	0	522	528	98 +	539	1065	43118	43645
UN19771	Rsa1.0.00939.1	781	185227	0	771	775	99 +	2	776	34165	34939

UN19772	Rsa1.0.00088.1	879	141341	0	394	400	98 -	479	877	108251	108650
UN19773	Rsa1.0.00207.1	1233	248736	0	624	631	98 -	1	631	3818	4448
UN19774	Rsa1.0.13737.1	1274	4403	1.00E-118	265	280	94 +	994	1272	3954	4233
UN19775	Rsa1.0.00772.1	1132	64856	0	325	325	100 -	1	325	7619	7943
UN19776	Rsa1.0.00241.1	1049	104000	1.00E-135	310	330	93 -	1	330	66579	66898
UN19777	Rsa1.0.01783.1	1693	39383	0	732	737	99 +	958	1692	30710	31446
UN19778	Rsa1.0.00241.1	505	104000	1.00E-63	124	124	100 +	142	265	34619	34742
UN19779	Rsa1.0.21240.1	1536	1222	1.00E-151	274	275	99 +	623	897	357	631
UN19780	Rsa1.0.10960.1	1027	5664	1.00E-180	333	336	99 +	690	1025	5138	5472
UN19781	Rsa1.0.00377.1	1438	90038	1.00E-176	361	380	95 -	1074	1438	51757	52136
UN19782	Rsa1.0.01938.1	1056	264018	0	597	611	97 +	131	736	156756	157365
UN19783	Rsa1.0.00980.1	1327	57729	0	339	340	99 +	649	988	39477	39816
UN19784	Rsa1.0.02911.1	996	142461	0	351	353	99 +	644	996	129556	129908
UN19785	Rsa1.0.00474.1	1471	81731	0	391	401	97 -	1061	1461	30358	30753
UN19786	Rsa1.0.00301.1	1186	365315	0	548	552	99 +	9	559	224439	224990
UN19787	Rsa1.0.15729.1	1988	2459	0	1171	1189	98 +	346	1534	405	1590
UN19788	Rsa1.0.00890.1	864	323870	1.00E-155	281	282	99 +	583	864	306236	306517
UN19789	Rsa1.0.02897.1	914	26967	0	382	393	97 -	62	448	21270	21661
UN19790	Rsa1.0.08831.1	772	6887	1.00E-142	265	267	99 -	508	772	4437	4703
UN19791	Rsa1.0.01641.1	1216	188213	0	371	384	96 -	3	381	179549	179932
UN19792	Rsa1.0.00476.1	1423	280966	0	554	555	99 -	869	1423	259622	260176
UN19793	Rsa1.0.01261.1	988	49744	1.00E-139	327	348	93 -	22	365	9567	9910
UN19794	Rsa1.0.02722.1	959	28417	1.00E-89	171	172	99 +	244	415	15844	16015
UN19795	Rsa1.0.00145.1	984	261008	1.00E-123	403	463	87 -	550	984	95894	96342
UN19796	Rsa1.0.15186.1	915	2772	1.00E-167	299	299	100 -	614	912	777	1075
UN19797	Rsa1.0.01369.1	786	47127	0	430	430	100 +	2	431	8379	8808
UN19798	Rsa1.0.00358.1	1102	91293	0	339	340	99 -	3	341	11551	11890
UN19799	Rsa1.0.00319.1	1152	167331	0	445	447	99 -	407	853	40588	41034
UN19800	Rsa1.0.01718.1	580	40389	1.00E-168	340	348	97 -	236	580	35298	35644
UN19801	Rsa1.0.03191.1	981	145762	1.00E-119	336	374	89 -	3	362	16325	16682
UN19802	Rsa1.0.01999.1	892	36237	1.00E-178	340	345	98 -	5	347	13718	14062
UN19803	Rsa1.0.02658.1	1362	28978	0	420	425	98 -	940	1362	11619	12043
UN19804	Rsa1.0.00740.1	1140	215972	0	556	575	96 +	1	572	11274	11848
UN19805	Rsa1.0.04319.1	1043	17944	0	619	636	97 -	407	1042	7165	7800
UN19806	Rsa1.0.06376.1	811	11135	1.00E-174	317	318	99 +	1	317	10818	11135
UN19807	Rsa1.0.00215.1	2186	201775	0	1030	1039	99 -	1149	2186	37829	38864
UN19808	Rsa1.0.00164.1	1844	116642	0	1725	1737	99 +	108	1844	47430	49164
UN19809	Rsa1.0.00219.1	1580	106983	1.00E-161	294	296	99 -	1283	1578	42270	42565
UN19810	Rsa1.0.01889.1	1098	37562	5.00E-96	179	179	100 +	918	1096	22624	22802

UN19811	Rsa1.0.00554.1	730	150953	2.00E-66	189	208	90 -	109	309	121603	121810
UN19812	Rsa1.0.01750.1	755	39816	1.00E-150	325	343	94 -	1	335	22530	22871
UN19813	Rsa1.0.00423.1	317	86138	1.00E-131	271	279	97 -	39	317	10842	11115
UN19814	Rsa1.0.10036.1	903	6030	0	478	483	98 +	423	902	490	972
UN19815	Rsa1.0.00281.1	933	99908	0	433	438	98 -	499	932	24103	24539
UN19816	Rsa1.0.01951.1	1443	36941	0	365	365	100 +	3	367	2054	2418
UN19817	Rsa1.0.16193.1	877	2250	0	869	871	99 -	4	874	1105	1975
UN19818	Rsa1.0.13644.1	1329	4580	0	602	608	99 -	722	1329	2316	2923
UN19819	Rsa1.0.01394.1	981	46641	0	534	545	97 +	114	652	4597	5141
UN19820	Rsa1.0.00813.1	1374	63202	1.00E-151	315	328	96 -	1038	1365	10836	11162
UN19821	Rsa1.0.15735.1	1228	2455	1.00E-139	275	282	97 -	178	457	128	409
UN19822	Rsa1.0.00890.1	966	323870	0	816	893	91 +	1	893	176030	176918
UN19823	Rsa1.0.02690.1	1026	28629	1.00E-132	250	252	99 +	767	1018	17941	18191
UN19824	Rsa1.0.03309.1	1402	23852	0	519	524	99 -	876	1399	16961	17479
UN19825	Rsa1.0.00380.1	744	89748	0	376	376	100 -	2	377	88066	88441
UN19826	Rsa1.0.03181.1	1567	24763	0	431	435	99 +	1133	1567	17156	17587
UN19827	Rsa1.0.00388.1	915	88890	0	408	409	99 -	2	410	56221	56629
UN19828	Rsa1.0.00384.1	976	89278	0	385	393	97 -	3	395	62852	63244
UN19829	Rsa1.0.01172.1	1128	51734	1.00E-174	345	356	96 -	772	1124	8356	8711
UN19830	Rsa1.0.00157.1	1466	245832	1.00E-126	254	262	96 +	446	707	134903	135164
UN19831	Rsa1.0.00053.1	1517	263459	0	398	419	94 +	1103	1517	84702	85119
UN19832	Rsa1.0.00646.1	1239	70473	0	924	935	98 +	219	1153	4441	5375
UN19833	Rsa1.0.00394.1	1419	148426	0	515	519	99 +	490	1008	113269	113787
UN19834	Rsa1.0.00136.1	857	122464	0	584	596	97 +	214	809	115441	116036
UN19835	Rsa1.0.02915.1	1019	26813	0	621	626	99 -	392	1017	24843	25468
UN19836	Rsa1.0.01964.1	735	36702	0	533	550	96 -	179	728	20124	20666
UN19837	Rsa1.0.01359.1	1156	47271	0	351	356	98 -	6	361	33553	33908
UN19838	Rsa1.0.08511.1	1132	7252	0	636	637	99 +	1	637	1630	2266
UN19839	Rsa1.0.08706.1	663	7018	1.00E-171	304	304	100 -	355	658	5187	5490
UN19840	Rsa1.0.02305.1	625	32783	0	605	627	96 -	5	625	22383	23009
UN19841	Rsa1.0.01502.1	1147	44519	0	364	377	96 +	769	1145	39463	39839
UN19842	Rsa1.0.00202.1	623	185895	1.00E-118	219	220	99 +	404	623	12228	12447
UN19843	Rsa1.0.04714.1	1001	146738	0	497	503	98 +	499	1001	139509	140011
UN19844	Rsa1.0.03356.1	945	23487	1.00E-158	319	331	96 -	152	482	20827	21157
UN19845	Rsa1.0.00009.1	982	232558	1.00E-180	382	403	94 -	1	395	53021	53420
UN19846	Rsa1.0.00369.1	1204	266462	0	447	447	100 +	391	837	169356	169802
UN19847	Rsa1.0.00256.1	1495	102426	1.00E-155	334	353	94 -	42	382	83858	84210
UN19848	Rsa1.0.03263.1	1456	24268	0	1167	1168	99 -	1	1167	20569	21736
UN19849	Rsa1.0.01306.1	1306	48720	1.00E-163	355	372	95 -	924	1293	25978	26343

UN19850	Rsa1.0_01920.1	1345	158533	0	1103	1120	98 +	1	1120	3737	4856
UN19851	Rsa1.0_15831.1	1514	2398	0	579	580	99 +	286	865	1	580
UN19852	Rsa1.0_01997.1	1315	158416	1.00E-130	237	237	100 +	178	414	15015	15251
UN19853	Rsa1.0_00339.1	1245	222974	0	642	648	99 +	133	780	89885	90532
UN19854	Rsa1.0_01425.1	996	46136	0	439	440	99 -	557	996	42203	42642
UN19855	Rsa1.0_00922.1	1720	59588	0	782	782	100 +	737	1518	52985	53766
UN19856	Rsa1.0_01010.1	1229	56906	1.00E-123	249	256	97 +	975	1229	25672	25927
UN19857	Rsa1.0_14240.1	1381	3629	0	448	449	99 -	933	1381	632	1080
UN19858	Rsa1.0_04563.1	1301	16837	0	673	673	100 +	381	1053	1988	2660
UN19859	Rsa1.0_00442.1	1908	84596	0	600	601	99 -	389	989	62079	62679
UN19860	Rsa1.0_00112.1	1578	132199	0	393	403	97 +	1139	1536	12848	13250
UN19861	Rsa1.0_08919.1	1477	6788	0	1117	1119	99 -	1	1119	1	1119
UN19862	Rsa1.0_13019.1	1690	5042	0	1612	1645	97 -	1	1641	2047	3691
UN19863	Rsa1.0_01068.1	1392	55208	0	440	465	94 -	936	1392	28087	28548
UN19864	Rsa1.0_00730.1	1542	66673	0	897	923	97 +	504	1426	48396	49318
UN19865	Rsa1.0_00826.1	1155	166736	0	1151	1159	99 +	3	1155	126919	128077
UN19866	Rsa1.0_00409.1	1090	146788	0	559	559	100 -	530	1088	86809	87367
UN19867	Rsa1.0_02888.1	2239	27020	0	988	1022	96 +	811	1832	5422	6438
UN19868	Rsa1.0_12550.1	618	5195	0	508	527	96 +	92	617	4279	4802
UN19869	Rsa1.0_00736.1	1121	66455	0	1007	1008	99 +	112	1119	50684	51691
UN19870	Rsa1.0_04538.1	1761	16940	0	395	410	96 -	1	407	7026	7434
UN19871	Rsa1.0_03290.1	1221	24011	0	401	406	98 +	816	1221	8870	9271
UN19872	Rsa1.0_00725.1	1221	66757	0	688	708	97 -	1	708	21358	22056
UN19873	Rsa1.0_00985.1	1053	161950	0	415	424	97 +	352	772	43673	44096
UN19874	Rsa1.0_14767.1	496	3079	0	350	350	100 -	147	496	2560	2909
UN19875	Rsa1.0_00376.1	2165	90101	0	679	695	97 -	2	696	47249	47935
UN19876	Rsa1.0_00739.1	1296	66155	0	432	438	98 +	1	437	38290	38725
UN19877	Rsa1.0_01814.1	1347	38917	0	509	540	94 +	1	534	37168	37698
UN19878	Rsa1.0_00273.1	1151	326186	5.00E-93	192	198	96 +	635	832	132144	132341
UN19879	Rsa1.0_05501.1	2010	13513	0	531	537	98 -	567	1103	9318	9854
UN19880	Rsa1.0_00017.1	1354	752458	0	536	541	99 +	814	1352	474193	474733
UN19881	Rsa1.0_17064.1	1146	1937	0	924	969	95 +	176	1144	1	955
UN19882	Rsa1.0_02155.1	1032	34522	0	364	364	100 -	662	1025	28636	28999
UN19883	Rsa1.0_01149.1	1295	160459	0	787	791	99 -	117	907	155856	156646
UN19884	Rsa1.0_01964.1	780	36702	0	416	424	98 -	359	780	6957	7379
UN19885	Rsa1.0_01209.1	1403	50668	0	952	1004	94 +	19	1022	48198	49180
UN19886	Rsa1.0_04998.1	1007	15180	1.00E-136	311	331	93 +	103	433	14293	14613
UN19887	Rsa1.0_00025.1	901	277312	1.00E-142	269	273	98 +	158	430	115742	116014
UN19888	Rsa1.0_01211.1	1892	50646	0	622	637	97 +	631	1267	6850	7486

UN19889	Rsa1.0_00092.1	792	659932	1.00E-110	280	305	91 +	32	332	627123	627409
UN19890	Rsa1.0_01634.1	1472	41865	0	477	482	98 +	609	1090	26085	26566
UN19891	Rsa1.0_01867.1	989	37960	1.00E-136	261	266	98 +	482	747	19214	19479
UN19892	Rsa1.0_00190.1	572	318240	1.00E-156	285	287	99 +	44	330	28703	28989
UN19893	Rsa1.0_00569.1	1182	75060	0	575	577	99 +	1	576	72139	72715
UN19894	Rsa1.0_00472.1	912	398134	1.00E-162	313	320	97 -	2	319	168065	168384
UN19895	Rsa1.0_04167.1	1074	18757	1.00E-147	265	265	100 -	3	267	18127	18391
UN19896	Rsa1.0_00685.1	1374	68515	0	1358	1376	98 +	3	1374	63195	64569
UN19897	Rsa1.0_00689.1	1452	68305	0	909	958	94 +	11	959	43533	44485
UN19898	Rsa1.0_01794.1	1474	39215	0	716	718	99 -	1	717	20964	21681
UN19899	Rsa1.0_06978.1	1533	10073	0	849	883	96 -	357	1224	1165	2047
UN19900	Rsa1.0_03424.1	828	23064	0	773	804	96 +	4	795	8565	9368
UN19901	Rsa1.0_00859.1	1071	61795	0	603	613	98 +	1	612	59675	60284
UN19902	Rsa1.0_00196.1	779	109960	0	376	383	98 -	3	385	19288	19670
UN19903	Rsa1.0_03131.1	743	25142	0	391	403	97 +	50	451	11329	11729
UN19904	Rsa1.0_00361.1	1520	91181	0	1161	1173	98 -	1	1173	47136	48307
UN19905	Rsa1.0_00060.1	1618	502678	0	373	374	99 -	1243	1616	377916	378289
UN19906	Rsa1.0_00228.1	1899	105511	1.00E-128	260	268	97 +	1	266	38614	38881
UN19907	Rsa1.0_00125.1	937	253043	1.00E-147	280	284	98 -	655	937	181898	182181
UN19908	Rsa1.0_00286.1	528	98709	1.00E-164	295	296	99 +	231	526	11606	11901
UN19909	Rsa1.0_00900.1	1041	60367	1.00E-161	313	321	97 -	1	321	29910	30230
UN19910	Rsa1.0_01010.1	1351	56906	0	1317	1340	98 +	13	1349	30394	31727
UN19911	Rsa1.0_00609.1	774	72785	0	770	774	99 +	1	774	41141	41914
UN19912	Rsa1.0_00484.1	677	203294	1.00E-137	260	263	98 -	384	646	143448	143708
UN19913	Rsa1.0_00708.1	1313	67366	0	940	947	99 +	2	948	63705	64651
UN19914	Rsa1.0_03164.1	857	24887	0	852	853	99 -	3	855	11234	12086
UN19915	Rsa1.0_00341.1	1598	249309	0	470	476	98 +	779	1254	112038	112513
UN19916	Rsa1.0_00012.1	807	222148	9.00E-97	338	392	86 -	449	807	49584	49974
UN19917	Rsa1.0_02020.1	814	173211	0	786	816	96 +	1	813	148358	149172
UN19918	Rsa1.0_00790.1	836	148693	1.00E-117	226	230	98 +	296	525	135658	135887
UN19919	Rsa1.0_06228.1	1275	11439	0	961	986	97 +	2	976	3939	4921
UN19920	Rsa1.0_00017.1	1650	752458	1.00E-112	328	362	90 +	1292	1650	543209	543563
UN19921	Rsa1.0_04223.1	1517	18407	0	476	477	99 +	1	477	9340	9816
UN19922	Rsa1.0_01919.1	1683	37272	0	494	505	97 +	1	501	3487	3991
UN19923	Rsa1.0_00212.1	793	108350	0	355	359	98 -	434	791	59920	60278
UN19924	Rsa1.0_04513.1	907	17029	1.00E-121	398	457	87 -	179	635	8548	9004
UN19925	Rsa1.0_00341.1	1006	249309	1.00E-150	327	344	95 +	12	352	125807	126149
UN19926	Rsa1.0_31317.1	1461	730	0	574	584	98 +	792	1375	148	730
UN19927	Rsa1.0_01313.1	804	48387	1.00E-156	320	332	96 +	473	804	13937	14262

UN19928	Rsa1.0.05367.1	1181	14010	0	394	406	97 +	778	1181	4072	4475
UN19929	Rsa1.0.00058.1	1412	159921	0	410	410	100 -	673	1082	50728	51137
UN19930	Rsa1.0.00038.1	1259	314568	0	682	692	98 +	3	693	293876	294567
UN19931	Rsa1.0.00356.1	1903	91521	0	1882	1904	98 +	1	1903	3938	5837
UN19932	Rsa1.0.00706.1	1183	291570	0	396	397	99 +	785	1181	234049	234445
UN19933	Rsa1.0.01701.1	980	162121	1.00E-174	336	342	98 -	640	980	24978	25318
UN19934	Rsa1.0.06495.1	614	10899	1.00E-150	289	295	97 +	4	298	5250	5540
UN19935	Rsa1.0.00247.1	1347	103408	0	568	578	98 -	2	579	95132	95709
UN19936	Rsa1.0.00090.1	872	273859	0	729	730	99 -	142	871	171752	172481
UN19937	Rsa1.0.06542.1	769	10805	0	400	418	95 -	353	769	9602	10005
UN19938	Rsa1.0.01828.1	2040	38681	0	628	666	94 -	2	663	19642	20290
UN19939	Rsa1.0.01527.1	1251	43905	1.00E-178	325	328	99 -	3	330	37951	38278
UN19940	Rsa1.0.07143.1	802	9832	0	421	432	97 +	2	433	3686	4114
UN19941	Rsa1.0.00788.1	1137	64237	0	512	513	99 -	2	514	1960	2471
UN19942	Rsa1.0.00651.1	905	247766	1.00E-176	391	416	93 -	50	462	207681	208096
UN19943	Rsa1.0.02392.1	1253	152517	1.00E-171	314	317	99 +	1	317	19346	19662
UN19944	Rsa1.0.00759.1	2151	65465	0	934	946	98 +	546	1491	24308	25253
UN19945	Rsa1.0.00064.1	2132	240927	0	1222	1229	99 -	2	1229	120605	121832
UN19946	Rsa1.0.00124.1	733	262503	0	407	408	99 -	4	410	9932	10339
UN19947	Rsa1.0.00038.1	482	314568	1.00E-130	273	286	95 +	67	352	303996	304275
UN19948	Rsa1.0.48789.1	1314	464	0	356	357	99 -	437	793	73	429
UN19949	Rsa1.0.00383.1	1075	398431	0	531	531	100 +	1	531	370738	371268
UN19950	Rsa1.0.00066.1	1476	152418	0	612	631	96 +	713	1342	112082	112712
UN19951	Rsa1.0.02648.1	955	29073	1.00E-139	300	313	95 +	2	308	7775	8087
UN19952	Rsa1.0.00660.1	691	69688	1.00E-172	319	322	99 +	371	691	60390	60711
UN19953	Rsa1.0.00797.1	1300	63959	0	1269	1302	97 -	2	1300	59565	60861
UN19954	Rsa1.0.00455.1	1402	224823	0	474	480	98 +	578	1057	153160	153637
UN19955	Rsa1.0.00388.1	860	88890	0	391	393	99 +	6	397	43307	43699
UN19956	Rsa1.0.00410.1	1347	86957	0	408	408	100 +	940	1347	21084	21491
UN19957	Rsa1.0.00481.1	1191	81316	0	1185	1188	99 +	4	1191	26105	27292
UN19958	Rsa1.0.00071.1	1823	345714	0	1814	1822	99 +	2	1823	2916	4737
UN19959	Rsa1.0.02438.1	906	31392	0	392	400	98 +	1	400	12277	12670
UN19960	Rsa1.0.05431.1	1466	13780	1.00E-112	209	210	99 +	2	211	5257	5466
UN19961	Rsa1.0.00923.1	474	153678	1.00E-134	273	283	96 -	1	283	23354	23636
UN19962	Rsa1.0.00533.1	2030	77375	0	953	957	99 -	1	957	45912	46868
UN19963	Rsa1.0.09173.1	1426	6582	1.00E-122	223	223	100 +	1204	1426	3328	3550
UN19964	Rsa1.0.01340.1	990	47805	7.00E-67	256	301	85 -	696	983	20630	20919
UN19965	Rsa1.0.00843.1	625	62411	0	618	623	99 +	3	625	44252	44871
UN19966	Rsa1.0.11080.1	1190	5623	1.00E-178	364	380	95 -	375	754	1789	2168

UN19967	Rsa1.0.00579.1	1350	148308	1.00E-166	376	400	94 -	955	1350	66624	67019
UN19968	Rsa1.0.01048.1	573	55684	1.00E-104	236	250	94 +	126	375	31549	31790
UN19969	Rsa1.0.00182.1	968	142305	1.00E-143	258	258	100 -	288	545	74844	75101
UN19970	Rsa1.0.02551.1	1192	30196	0	491	499	98 -	1	499	27667	28164
UN19971	Rsa1.0.02360.1	1090	32203	0	604	651	92 +	1	631	23928	24578
UN19972	Rsa1.0.02680.1	1769	28721	0	665	685	97 -	997	1679	5755	6439
UN19973	Rsa1.0.01046.1	653	152989	0	438	440	99 -	209	648	116358	116797
UN19974	Rsa1.0.03820.1	858	20664	2.00E-73	174	181	96 -	603	780	6779	6959
UN19975	Rsa1.0.02170.1	998	34352	0	963	978	98 +	20	997	15719	16696
UN19976	Rsa1.0.06376.1	917	11135	1.00E-136	255	258	98 +	591	848	10190	10447
UN19977	Rsa1.0.00566.1	1012	75325	1.00E-178	362	377	96 -	188	564	20189	20565
UN19978	Rsa1.0.00033.1	895	515811	0	534	537	99 +	1	536	485074	485610
UN19979	Rsa1.0.01752.1	1292	39805	1.00E-179	319	319	100 -	1	319	4489	4807
UN19980	Rsa1.0.00666.1	1210	69505	0	743	744	99 +	1	744	41676	42418
UN19981	Rsa1.0.00892.1	838	60703	0	809	836	96 -	3	836	48069	48902
UN19982	Rsa1.0.05821.1	1486	12531	0	515	519	99 -	459	977	3519	4037
UN19983	Rsa1.0.00029.1	1440	272992	0	707	721	98 -	184	904	248566	249286
UN19984	Rsa1.0.02141.1	1413	34677	0	509	529	96 +	1	529	8942	9470
UN19985	Rsa1.0.00294.1	908	144860	0	536	554	96 -	358	905	17372	17925
UN19986	Rsa1.0.01357.1	718	47280	1.00E-127	234	235	99 -	385	619	36151	36385
UN19987	Rsa1.0.00246.1	1195	103541	0	373	383	97 -	811	1193	32611	32991
UN19988	Rsa1.0.00190.1	737	318240	1.00E-122	346	390	88 -	354	735	91437	91801
UN19989	Rsa1.0.00177.1	1582	143394	1.00E-118	286	311	91 +	1270	1580	43759	44048
UN19990	Rsa1.0.01044.1	879	55861	0	582	592	98 +	1	591	28384	28972
UN19991	Rsa1.0.07585.1	654	9077	0	615	630	97 +	21	650	6503	7128
UN19992	Rsa1.0.00026.1	634	327835	1.00E-177	359	370	97 +	261	624	174424	174791
UN19993	Rsa1.0.00769.1	887	64911	1.00E-106	196	196	100 -	1	196	14972	15167
UN19994	Rsa1.0.05503.1	1254	13510	1.00E-171	338	347	97 +	62	404	2887	3233
UN19995	Rsa1.0.00829.1	735	158305	1.00E-154	361	386	93 -	1	375	102339	102724
UN19996	Rsa1.0.00017.1	1110	752458	0	432	458	94 -	8	459	354538	354992
UN19997	Rsa1.0.19459.1	1312	1429	0	425	431	98 +	1	430	644	1074
UN19998	Rsa1.0.00616.1	535	195713	0	532	532	100 -	2	533	146206	146737
UN19999	Rsa1.0.00017.1	1169	752458	1.00E-169	340	352	96 +	816	1167	710503	710851
UN20000	Rsa1.0.03678.1	649	21425	1.00E-156	280	280	100 -	5	284	6722	7001
UN20001	Rsa1.0.00002.1	1678	601661	0	471	496	94 -	1193	1678	81675	82166
UN20002	Rsa1.0.00245.1	892	103569	0	519	523	99 -	370	892	54981	55503
UN20003	Rsa1.0.01519.1	953	44144	0	546	546	100 -	408	953	11606	12151
UN20004	Rsa1.0.15643.1	975	2505	0	963	975	98 +	2	975	834	1808
UN20005	Rsa1.0.15203.1	1875	2763	0	689	701	98 -	494	1194	1	696

UN20006	Rsa1.0.00180.1	1188	114581	0	411	422	97 -	13	434	111408	111825
UN20007	Rsa1.0.04580.1	1299	16773	0	324	324	100 -	911	1234	7383	7706
UN20008	Rsa1.0.04395.1	640	17570	1.00E-141	315	333	94 -	306	638	9961	10284
UN20009	Rsa1.0.05110.1	1199	14814	1.00E-168	309	312	99 -	574	885	5291	5602
UN20010	Rsa1.0.22880.1	1152	1086	1.00E-157	318	330	96 +	797	1116	32	361
UN20011	Rsa1.0.01119.1	1100	53459	0	697	705	98 -	396	1099	11221	11924
UN20012	Rsa1.0.00067.1	1014	415055	0	382	385	99 -	1	385	301029	301413
UN20013	Rsa1.0.02586.1	775	29856	0	642	658	97 +	117	770	9987	10643
UN20014	Rsa1.0.00420.1	1786	86496	0	562	602	93 +	461	1056	40353	40939
UN20015	Rsa1.0.04405.1	698	17508	1.00E-177	415	443	93 +	2	442	14189	14619
UN20016	Rsa1.0.00281.1	1324	99908	0	493	498	98 -	516	1013	71665	72162
UN20017	Rsa1.0.00196.1	695	109960	1.00E-138	313	330	94 +	370	693	82154	82481
UN20018	Rsa1.0.00829.1	1745	158305	0	462	502	92 -	1240	1738	47474	47954
UN20019	Rsa1.0.01028.1	884	56401	0	384	384	100 +	1	384	35590	35973
UN20020	Rsa1.0.00056.1	1336	332604	0	989	1083	91 -	182	1254	84545	85600
UN20021	Rsa1.0.17346.1	1193	1853	1.00E-165	304	307	99 +	887	1193	154	460
UN20022	Rsa1.0.00748.1	810	65983	0	466	502	92 +	310	808	63996	64489
UN20023	Rsa1.0.01949.1	856	36960	1.00E-116	254	264	96 +	3	264	28245	28507
UN20024	Rsa1.0.03274.1	1894	24159	0	779	786	99 +	1	786	18637	19417
UN20025	Rsa1.0.00667.1	621	69460	0	415	421	98 +	201	621	58085	58502
UN20026	Rsa1.0.02529.1	1068	30437	0	609	619	98 -	450	1068	27965	28582
UN20027	Rsa1.0.02558.1	959	30112	0	628	640	98 +	320	959	7179	7806
UN20028	Rsa1.0.00664.1	759	69573	1.00E-174	317	318	99 +	442	759	1721	2037
UN20029	Rsa1.0.59447.1	1191	385	0	355	356	99 -	836	1191	30	385
UN20030	Rsa1.0.03465.1	1141	22700	0	522	522	100 +	89	610	9803	10324
UN20031	Rsa1.0.00954.1	2120	189536	1.00E-138	251	251	100 -	1	251	7992	8242
UN20032	Rsa1.0.09709.1	1222	6198	0	830	834	99 +	387	1220	2061	2894
UN20033	Rsa1.0.05130.1	587	14758	1.00E-121	220	220	100 +	368	587	111	330
UN20034	Rsa1.0.02867.1	991	27121	0	914	932	98 +	18	948	632	1560
UN20035	Rsa1.0.00025.1	940	277312	0	922	936	98 -	2	937	181705	182640
UN20036	Rsa1.0.00570.1	1372	75002	0	384	384	100 +	989	1372	29373	29756
UN20037	Rsa1.0.00198.1	951	222963	0	426	428	99 -	3	430	85081	85507
UN20038	Rsa1.0.02958.1	1679	26443	0	413	419	98 +	1159	1577	23146	23561
UN20039	Rsa1.0.01470.1	386	45108	0	380	385	98 +	3	384	15616	16000
UN20040	Rsa1.0.08846.1	1705	6867	1.00E-105	204	207	98 +	433	639	715	921
UN20041	Rsa1.0.02292.1	1987	32955	0	527	562	93 +	845	1396	31606	32164
UN20042	Rsa1.0.13238.1	1470	4960	0	580	600	96 +	872	1470	2195	2782
UN20043	Rsa1.0.00089.1	1176	406142	1.00E-161	298	301	99 -	874	1174	162036	162336
UN20044	Rsa1.0.01249.1	1612	188432	0	1136	1190	95 +	398	1584	149233	150405

UN20045	Rsa1.0_11907.1	1558	5374	0	905	947	95 +	466	1396	1101	2038
UN20046	Rsa1.0_27081.1	1507	866	0	398	414	96 +	1095	1505	437	844
UN20047	Rsa1.0_00278.1	820	231896	0	372	376	98 +	285	660	58615	58990
UN20048	Rsa1.0_00329.1	1374	222544	0	683	690	98 +	2	688	193044	193732
UN20049	Rsa1.0_00622.1	1224	71822	0	731	749	97 -	4	752	2000	2748
UN20050	Rsa1.0_08869.1	2366	6840	0	1290	1349	95 +	1013	2361	2930	4266
UN20051	Rsa1.0_00792.1	615	64163	1.00E-126	257	262	98 +	355	615	7358	7617
UN20052	Rsa1.0_02389.1	1407	146428	0	413	426	96 -	574	999	133292	133717
UN20053	Rsa1.0_00464.1	1104	82253	1.00E-158	345	363	95 +	48	408	37238	37600
UN20054	Rsa1.0_01502.1	895	44519	0	861	893	96 -	3	894	40988	41861
UN20055	Rsa1.0_01554.1	1241	43379	0	553	560	98 -	418	977	41062	41621
UN20056	Rsa1.0_05749.1	902	12746	0	470	498	94 +	406	902	1417	1895
UN20057	Rsa1.0_00235.1	757	154696	1.00E-178	421	456	92 -	112	567	139087	139542
UN20058	Rsa1.0_00378.1	1446	89892	1.00E-168	333	343	97 -	1104	1446	36910	37250
UN20059	Rsa1.0_05823.1	651	12521	1.00E-171	364	383	95 -	3	382	7458	7840
UN20060	Rsa1.0_16051.1	872	2305	0	407	419	97 +	1	418	1887	2305
UN20061	Rsa1.0_01581.1	1112	42833	0	934	1039	89 -	6	1040	5055	6088
UN20062	Rsa1.0_00003.1	1236	340054	1.00E-87	186	193	96 +	1044	1236	74887	75079
UN20063	Rsa1.0_06563.1	1627	10765	0	397	420	94 +	515	934	1097	1502
UN20064	Rsa1.0_00001.1	942	363028	1.00E-174	316	318	99 -	624	941	92777	93094
UN20065	Rsa1.0_00053.1	997	263459	0	479	484	98 -	466	949	144815	145298
UN20066	Rsa1.0_06563.1	1064	10765	1.00E-175	350	360	97 -	703	1060	1143	1502
UN20067	Rsa1.0_01602.1	743	42503	1.00E-119	230	234	98 +	3	236	975	1208
UN20068	Rsa1.0_03634.1	1456	145192	0	688	689	99 +	1	689	18959	19647
UN20069	Rsa1.0_03344.1	1050	23593	0	608	626	97 +	3	626	8676	9301
UN20070	Rsa1.0_00051.1	1154	258225	0	529	557	94 +	3	556	47512	48062
UN20071	Rsa1.0_01390.1	1039	46695	1.00E-177	315	315	100 +	725	1039	23365	23679
UN20072	Rsa1.0_00190.1	1082	318240	0	888	898	98 -	3	900	125544	126438
UN20073	Rsa1.0_00012.1	1878	222148	0	557	566	98 +	1	566	169617	170177
UN20074	Rsa1.0_06403.1	951	11078	1.00E-168	331	341	97 -	618	949	5640	5980
UN20075	Rsa1.0_00012.1	810	222148	0	363	365	99 +	1	363	49610	49974
UN20076	Rsa1.0_04128.1	797	18927	0	596	597	99 -	200	795	9138	9734
UN20077	Rsa1.0_00964.1	986	316648	0	710	711	99 +	1	711	147683	148393
UN20078	Rsa1.0_07381.1	1059	9488	0	528	533	99 +	59	591	7918	8448
UN20079	Rsa1.0_00273.1	1138	326186	0	694	722	96 -	418	1138	6325	7040
UN20080	Rsa1.0_36749.1	896	613	1.00E-161	322	332	96 -	351	682	195	525
UN20081	Rsa1.0_08427.1	1346	7371	5.00E-78	400	475	84 -	875	1343	4494	4965
UN20082	Rsa1.0_03922.1	833	20060	0	357	361	98 -	475	833	12535	12895
UN20083	Rsa1.0_00321.1	934	95671	0	611	619	98 -	3	621	77384	78002

UN20084	Rsa1.0.00492.1	1299	80178	0	376	380	98 +	3	380	69283	69662
UN20085	Rsa1.0.00166.1	2014	240912	0	548	572	95 +	142	704	218132	218703
UN20086	Rsa1.0.00886.1	1681	167350	0	1039	1086	95 +	607	1681	12242	13322
UN20087	Rsa1.0.01422.1	1336	46172	0	850	887	95 +	415	1299	1695	2574
UN20088	Rsa1.0.05943.1	1083	12158	0	627	644	97 +	437	1080	6907	7546
UN20089	Rsa1.0.01965.1	825	36698	0	519	535	97 +	291	821	25803	26328
UN20090	Rsa1.0.01001.1	1123	57077	0	382	396	96 +	1	396	23226	23621
UN20091	Rsa1.0.02585.1	1258	29865	0	506	511	99 +	22	529	25267	25776
UN20092	Rsa1.0.00057.1	1554	160473	0	447	448	99 +	1103	1550	143476	143923
UN20093	Rsa1.0.00630.1	1704	71281	0	1701	1703	99 -	1	1703	11911	13613
UN20094	Rsa1.0.07732.1	1017	8695	0	392	399	98 -	1	399	1258	1653
UN20095	Rsa1.0.02149.1	691	148330	0	664	669	99 +	23	691	28737	29405
UN20096	Rsa1.0.00586.1	1162	163802	0	713	730	97 +	425	1154	108888	109608
UN20097	Rsa1.0.00092.1	646	659932	1.00E-169	305	306	99 +	336	641	325333	325638
UN20098	Rsa1.0.03736.1	1949	21081	0	579	580	99 +	1370	1949	12289	12868
UN20099	Rsa1.0.16090.1	1113	2289	0	873	877	99 -	239	1113	802	1678
UN20100	Rsa1.0.05663.1	1267	13005	0	955	961	99 -	307	1267	8433	9391
UN20101	Rsa1.0.06872.1	852	10231	1.00E-124	226	226	100 -	168	393	1961	2186
UN20102	Rsa1.0.02022.1	587	35923	0	571	591	96 -	3	587	18367	18955
UN20103	Rsa1.0.00731.1	987	66638	1.00E-124	233	234	99 +	726	958	12178	12411
UN20104	Rsa1.0.00243.1	770	103651	1.00E-125	324	351	92 +	424	770	23261	23605
UN20105	Rsa1.0.03994.1	1277	19659	0	354	356	99 +	784	1139	1755	2110
UN20106	Rsa1.0.01196.1	1007	51097	0	454	459	98 +	551	1007	2049	2506
UN20107	Rsa1.0.13520.1	823	4755	0	425	427	99 -	396	822	2615	3041
UN20108	Rsa1.0.01640.1	1387	41822	0	567	577	98 -	809	1385	36269	36839
UN20109	Rsa1.0.14712.1	1497	3134	0	574	585	98 +	912	1495	479	1059
UN20110	Rsa1.0.01116.1	1144	142088	1.00E-104	205	209	98 +	107	315	119247	119455
UN20111	Rsa1.0.01876.1	1642	37800	4.00E-94	209	220	95 -	3	222	32500	32719
UN20112	Rsa1.0.01310.1	1350	164719	0	1178	1208	97 -	145	1348	6052	7246
UN20113	Rsa1.0.00273.1	737	326186	0	449	451	99 +	1	450	113888	114338
UN20114	Rsa1.0.02803.1	1383	27715	0	455	483	94 -	384	866	2235	2717
UN20115	Rsa1.0.00706.1	1975	291570	0	920	965	95 -	504	1467	47603	48538
UN20116	Rsa1.0.00033.1	966	515811	0	346	346	100 +	620	965	469201	469546
UN20117	Rsa1.0.06784.1	811	10359	1.00E-131	250	254	98 -	270	523	781	1034
UN20118	Rsa1.0.00201.1	1054	232851	0	440	463	95 -	1	460	39482	39943
UN20119	Rsa1.0.42777.1	1181	525	1.00E-127	241	244	98 +	938	1181	7	250
UN20120	Rsa1.0.00976.1	894	57809	0	383	394	97 -	3	390	8262	8655
UN20121	Rsa1.0.00016.1	1447	831256	1.00E-118	283	298	94 -	1001	1293	522411	522704
UN20122	Rsa1.0.14220.1	1699	3652	5.00E-97	220	230	95 -	1474	1698	199	427

UN20123	Rsa1.0_16338.1	675	2190	1.00E-133	335	360	93 -	319	674	385	737
UN20124	Rsa1.0_02027.1	1139	35869	0	513	517	99 -	621	1136	8070	8586
UN20125	Rsa1.0_00435.1	1342	317579	0	405	406	99 -	936	1341	67237	67641
UN20126	Rsa1.0_07898.1	1311	8339	0	658	675	97 +	637	1311	6826	7498
UN20127	Rsa1.0_14459.1	977	3367	3.00E-81	157	158	99 -	282	439	267	424
UN20128	Rsa1.0_00018.1	1305	410899	0	510	541	94 +	768	1305	115333	115864
UN20129	Rsa1.0_02043.1	943	163754	0	907	940	96 +	5	943	157063	158000
UN20130	Rsa1.0_01951.1	646	36941	1.00E-165	317	324	97 -	1	324	13558	13878
UN20131	Rsa1.0_01196.1	2181	51097	0	990	1029	96 -	527	1538	2049	3069
UN20132	Rsa1.0_00218.1	1482	201480	0	481	485	99 +	912	1396	163732	164216
UN20133	Rsa1.0_01613.1	1132	182542	1.00E-150	333	348	95 +	1	343	148702	149047
UN20134	Rsa1.0_38612.1	954	583	0	343	347	98 -	588	934	1	347
UN20135	Rsa1.0_33873.1	969	669	0	642	661	97 +	309	968	1	658
UN20136	Rsa1.0_01466.1	828	45161	2.00E-69	143	146	97 +	480	625	28487	28632
UN20137	Rsa1.0_01425.1	1001	46136	0	364	372	97 -	628	999	34226	34597
UN20138	Rsa1.0_02148.1	430	34610	6.00E-84	176	182	96 -	1	182	23020	23201
UN20139	Rsa1.0_00505.1	628	79323	0	596	623	95 +	3	622	68284	68892
UN20140	Rsa1.0_00363.1	2162	90968	0	468	486	96 -	1234	1719	75475	75957
UN20141	Rsa1.0_05503.1	2464	13510	0	540	540	100 +	1072	1611	2694	3233
UN20142	Rsa1.0_00017.1	1617	752458	1.00E-148	281	286	98 +	1070	1355	720938	721223
UN20143	Rsa1.0_05260.1	2045	14337	0	912	938	97 -	474	1405	3507	4442
UN20144	Rsa1.0_03529.1	1526	22277	0	937	1010	92 +	303	1312	15606	16615
UN20145	Rsa1.0_02358.1	875	32213	0	552	581	95 +	1	566	7245	7824
UN20146	Rsa1.0_00153.1	1442	192931	1.00E-173	388	409	94 +	1020	1421	24427	24833
UN20147	Rsa1.0_02278.1	1065	33085	1.00E-170	344	354	97 +	3	352	18587	18939
UN20148	Rsa1.0_02807.1	1303	27680	0	496	522	95 -	782	1303	4944	5460
UN20149	Rsa1.0_00080.1	1280	190437	0	640	664	96 -	21	679	96870	97528
UN20150	Rsa1.0_04284.1	1254	18085	0	656	658	99 +	595	1252	10452	11108
UN20151	Rsa1.0_04126.1	1982	18939	0	1027	1088	94 -	900	1981	12033	13103
UN20152	Rsa1.0_08391.1	1252	7433	3.00E-17	102	119	85 -	846	964	6466	6583
UN20153	Rsa1.0_00522.1	1505	78103	0	659	683	96 +	794	1471	51939	52621
UN20154	Rsa1.0_00254.1	576	102600	1.00E-118	242	250	96 +	330	576	84257	84506
UN20155	Rsa1.0_00087.1	1955	761073	0	485	490	98 +	818	1307	558676	559165
UN20156	Rsa1.0_00087.1	1178	761073	0	414	427	96 +	1	423	615081	615505
UN20157	Rsa1.0_01282.1	1541	49304	0	865	901	96 +	158	1058	30305	31204
UN20158	Rsa1.0_00078.1	1177	175053	0	501	509	98 -	73	581	41372	41880
UN20159	Rsa1.0_00200.1	1222	162016	0	382	388	98 +	2	387	17328	17711
UN20160	Rsa1.0_00089.1	995	406142	1.00E-139	277	284	97 -	703	985	162053	162336
UN20161	Rsa1.0_00080.1	1512	190437	0	1289	1351	95 -	164	1511	104347	105677

UN20162	Rsa1.0_00473.1	1320	212204	0	694	736	94 -	38	773	76768	77482
UN20163	Rsa1.0_00180.1	1082	114581	0	377	379	99 +	704	1082	36186	36563
UN20164	Rsa1.0_05067.1	1257	14941	0	568	568	100 -	690	1257	5713	6280
UN20165	Rsa1.0_00493.1	1358	80007	0	531	545	97 -	248	789	6139	6682
UN20166	Rsa1.0_02248.1	1046	33414	0	807	825	97 -	1	815	25112	25936
UN20167	Rsa1.0_00296.1	1197	97854	0	590	593	99 -	1	592	17737	18329
UN20168	Rsa1.0_00003.1	1502	340054	0	477	482	98 -	1	482	2637	3118
UN20169	Rsa1.0_05964.1	983	12087	0	410	412	99 +	22	433	6226	6636
UN20170	Rsa1.0_01895.1	1370	37512	0	1047	1066	98 +	305	1370	23772	24824
UN20171	Rsa1.0_00631.1	1089	71277	0	668	675	98 -	1	675	48132	48806
UN20172	Rsa1.0_03887.1	821	20247	0	384	394	97 -	3	396	4347	4740
UN20173	Rsa1.0_01467.1	1409	45161	1.00E-149	268	268	100 -	1142	1409	21127	21394
UN20174	Rsa1.0_00124.1	1548	262503	0	755	801	94 -	748	1548	64180	64979
UN20175	Rsa1.0_00131.1	1026	432233	2.00E-95	181	182	99 +	138	319	398754	398935
UN20176	Rsa1.0_00710.1	2480	67325	0	1190	1233	96 -	498	1722	11261	12490
UN20177	Rsa1.0_07849.1	1120	8425	0	365	375	97 -	3	377	7729	8097
UN20178	Rsa1.0_01585.1	948	42806	1.00E-164	300	302	99 -	645	946	4052	4353
UN20179	Rsa1.0_08538.1	1017	7220	0	387	387	100 +	1	387	2069	2455
UN20180	Rsa1.0_02270.1	796	249821	0	399	403	99 +	3	405	6854	7256
UN20181	Rsa1.0_00315.1	928	96426	0	923	928	99 +	3	928	75131	76058
UN20182	Rsa1.0_00017.1	1064	752458	0	534	535	99 -	1	535	494221	494754
UN20183	Rsa1.0_00009.1	818	232558	0	798	806	99 -	12	817	17452	18256
UN20184	Rsa1.0_02777.1	833	27986	1.00E-149	292	300	97 +	527	826	25025	25324
UN20185	Rsa1.0_08154.1	1378	7823	0	490	493	99 +	16	508	769	1261
UN20186	Rsa1.0_00871.1	908	61539	1.00E-170	320	323	99 +	3	322	8060	8382
UN20187	Rsa1.0_06209.1	1141	11484	0	433	459	94 +	30	488	2267	2719
UN20188	Rsa1.0_06590.1	1324	10706	0	412	432	95 +	307	738	2006	2428
UN20189	Rsa1.0_00059.1	904	159650	0	842	888	94 -	1	888	101521	102394
UN20190	Rsa1.0_00645.1	1070	189716	0	715	727	98 +	3	729	124345	125069
UN20191	Rsa1.0_04760.1	1380	16105	0	1313	1374	95 +	19	1378	4184	5548
UN20192	Rsa1.0_02769.1	1389	28107	1.00E-173	355	367	96 +	4	366	24473	24839
UN20193	Rsa1.0_00821.1	810	62891	0	454	468	97 +	1	467	46885	47351
UN20194	Rsa1.0_01292.1	897	175783	0	632	645	97 -	254	897	144723	145360
UN20195	Rsa1.0_00628.1	722	214360	0	366	373	98 +	352	722	25502	25872
UN20196	Rsa1.0_05494.1	1290	13547	1.00E-132	248	251	98 -	883	1133	3338	3588
UN20197	Rsa1.0_01865.1	1033	37992	2.00E-92	182	185	98 +	464	648	32692	32876
UN20198	Rsa1.0_00654.1	1400	70012	0	1218	1305	93 -	3	1307	17774	19078
UN20199	Rsa1.0_00810.1	1265	63289	0	706	706	100 -	7	712	27734	28439
UN20200	Rsa1.0_01405.1	1210	46445	0	1064	1075	98 -	1	1075	31229	32303

UN20201	Rsa1.0.05633.1	732	13118	1.00E-137	284	292	97 +	444	732	4032	4323
UN20202	Rsa1.0.02884.1	1275	27034	0	1049	1080	97 -	203	1271	7606	8685
UN20203	Rsa1.0.04279.1	1150	18113	0	617	629	98 -	523	1148	4744	5372
UN20204	Rsa1.0.00949.1	1993	58549	0	455	457	99 +	167	623	9061	9516
UN20205	Rsa1.0.02026.1	1334	35896	1.00E-133	241	241	100 +	1	241	12457	12697
UN20206	Rsa1.0.01380.1	1177	155003	0	1151	1151	100 -	1	1151	8885	10035
UN20207	Rsa1.0.04627.1	1484	16604	0	345	347	99 +	3	349	1446	1792
UN20208	Rsa1.0.02221.1	1005	33796	0	524	540	97 +	464	1003	18658	19197
UN20209	Rsa1.0.00108.1	1251	478491	1.00E-133	330	351	94 -	909	1251	67319	67663
UN20210	Rsa1.0.38829.1	406	579	2.00E-86	190	198	95 +	209	406	32	228
UN20211	Rsa1.0.01467.1	1599	45161	1.00E-142	304	316	96 +	1234	1548	15493	15805
UN20212	Rsa1.0.01443.1	1264	45705	1.00E-179	325	326	99 -	6	331	34149	34473
UN20213	Rsa1.0.00994.1	833	165189	0	608	615	98 -	209	823	135949	136563
UN20214	Rsa1.0.00040.1	1172	324196	0	1146	1184	96 +	2	1171	128087	129261
UN20215	Rsa1.0.00008.1	664	358124	0	383	391	97 +	1	391	194895	195277
UN20216	Rsa1.0.00039.1	1139	296927	1.00E-137	261	264	98 -	874	1137	207518	207780
UN20217	#	#	#	#	#	#	#	#	#	#	#
UN20218	Rsa1.0.18563.1	1284	1574	1.00E-133	342	371	92 +	913	1280	528	889
UN20219	Rsa1.0.07757.1	994	8633	0	598	646	92 -	352	973	867	1512
UN20220	Rsa1.0.04573.1	1614	16789	0	377	378	99 +	1237	1614	6126	6503
UN20221	Rsa1.0.00034.1	786	260119	0	784	784	100 +	1	784	32834	33617
UN20222	Rsa1.0.01417.1	1575	46252	0	549	552	99 -	2	552	40509	41060
UN20223	Rsa1.0.21221.1	2161	1224	0	1044	1066	97 -	684	1744	80	1144
UN20224	Rsa1.0.00678.1	1295	193163	0	1291	1293	99 -	3	1295	139124	140416
UN20225	Rsa1.0.11741.1	1518	5423	0	464	500	92 +	516	1015	4597	5096
UN20226	Rsa1.0.00130.1	1626	125737	0	806	823	97 -	3	823	88366	89184
UN20227	Rsa1.0.03499.1	1337	22462	0	448	448	100 -	890	1337	21261	21708
UN20228	Rsa1.0.02710.1	1515	28492	1.00E-133	396	443	89 +	1084	1498	21164	21602
UN20229	Rsa1.0.00435.1	1304	317579	0	495	496	99 -	5	500	51989	52484
UN20230	Rsa1.0.00997.1	2127	57190	0	1034	1041	99 -	287	1326	25816	26856
UN20231	Rsa1.0.00960.1	1182	58199	0	671	676	99 -	507	1182	45922	46597
UN20232	Rsa1.0.00326.1	1161	171955	1.00E-160	327	340	96 +	3	333	19274	19613
UN20233	Rsa1.0.00481.1	949	81316	0	943	947	99 -	1	947	27793	28736
UN20234	Rsa1.0.10896.1	1349	5685	0	353	353	100 -	997	1349	4758	5110
UN20235	Rsa1.0.00040.1	1389	324196	0	559	560	99 +	831	1389	114552	115111
UN20236	Rsa1.0.00497.1	851	79830	0	323	323	100 +	508	830	54334	54656
UN20237	Rsa1.0.00991.1	1190	143101	0	522	545	95 +	649	1190	34646	35183
UN20238	Rsa1.0.00201.1	516	232851	3.00E-86	169	170	99 -	5	174	204714	204882
UN20239	Rsa1.0.00124.1	1256	262503	0	640	647	98 +	610	1256	255084	255726

UN20240	Rsa1.0.06130.1	1913	11667	0	373	380	98 -	1537	1911	5676	6055
UN20241	Rsa1.0.00016.1	1792	831256	0	453	462	98 -	914	1375	569300	569761
UN20242	Rsa1.0.02266.1	1043	33195	0	398	406	98 +	641	1043	13845	14250
UN20243	Rsa1.0.17187.1	556	1897	0	552	554	99 +	4	556	1093	1646
UN20244	Rsa1.0.12005.1	1441	5344	0	750	814	92 -	630	1433	4334	5147
UN20245	Rsa1.0.01635.1	682	41865	0	516	547	94 -	144	682	7267	7801
UN20246	Rsa1.0.00632.1	477	183777	2.00E-74	142	142	100 -	336	477	64161	64302
UN20247	Rsa1.0.15089.1	1101	2840	0	702	703	99 +	397	1099	303	1004
UN20248	Rsa1.0.16044.1	1052	2308	0	1046	1049	99 -	2	1050	861	1909
UN20249	Rsa1.0.00427.1	1210	189678	0	457	462	98 +	11	471	182487	182948
UN20250	Rsa1.0.03245.1	987	24385	0	364	365	99 +	500	864	23943	24307
UN20251	Rsa1.0.03416.1	1862	23112	0	505	564	89 +	616	1178	6161	6710
UN20252	Rsa1.0.18971.1	929	1502	0	353	353	100 -	576	928	612	964
UN20253	Rsa1.0.03364.1	944	23446	0	516	516	100 -	424	939	19984	20499
UN20254	Rsa1.0.00053.1	1215	263459	1.00E-166	303	305	99 +	644	948	100637	100941
UN20255	Rsa1.0.02713.1	1595	28470	0	564	583	96 +	1013	1594	27348	27930
UN20256	Rsa1.0.00108.1	1121	478491	1.00E-178	421	459	91 -	647	1081	285741	286199
UN20257	Rsa1.0.05776.1	663	12664	1.00E-134	267	273	97 -	1	269	11365	11637
UN20258	Rsa1.0.00062.1	485	299291	0	473	483	97 +	4	485	298508	298990
UN20259	Rsa1.0.05215.1	2712	14476	1.00E-159	286	286	100 -	1611	1896	9243	9528
UN20260	Rsa1.0.00205.1	759	193401	1.00E-149	304	315	96 -	444	758	137532	137844
UN20261	Rsa1.0.03485.1	1016	22606	0	620	634	97 -	383	1016	18689	19319
UN20262	Rsa1.0.00552.1	628	206757	4.00E-95	261	288	90 +	51	329	72818	73102
UN20263	Rsa1.0.00243.1	1026	103651	1.00E-147	265	265	100 +	756	1020	12271	12535
UN20264	Rsa1.0.01638.1	1426	41857	1.00E-170	330	339	97 -	402	740	36262	36600
UN20265	Rsa1.0.00855.1	1787	62047	0	752	753	99 +	3	754	42806	43558
UN20266	Rsa1.0.04266.1	1113	18195	2.00E-21	171	208	82 +	41	236	13335	13540
UN20267	Rsa1.0.02284.1	1230	33011	0	736	737	99 -	1	737	13022	13758
UN20268	Rsa1.0.02378.1	840	31991	0	793	853	92 -	4	837	1312	2159
UN20269	Rsa1.0.00020.1	765	283099	0	748	753	99 +	4	756	277907	278659
UN20270	Rsa1.0.04045.1	1646	19403	0	706	716	98 -	3	718	8280	8986
UN20271	Rsa1.0.00307.1	645	199003	1.00E-159	304	308	98 -	333	637	157783	158090
UN20272	Rsa1.0.00055.1	707	520193	1.00E-168	321	328	97 +	364	691	843	1170
UN20273	Rsa1.0.05741.1	635	12773	0	386	399	96 -	237	635	3037	3431
UN20274	Rsa1.0.07327.1	868	9549	0	420	429	97 +	3	431	3648	4076
UN20275	Rsa1.0.02212.1	687	33840	1.00E-131	240	241	99 +	2	242	29404	29644
UN20276	Rsa1.0.00589.1	612	209965	0	605	606	99 +	3	607	203886	204491
UN20277	Rsa1.0.02526.1	1521	30479	0	410	410	100 +	159	568	13249	13658
UN20278	Rsa1.0.00358.1	1087	91293	0	403	403	100 -	2	404	1111	1513

UN20279	Rsa1.0.03594.1	1146	21868	0	396	401	98 -	4	404	12937	13337
UN20280	Rsa1.0.04066.1	841	19262	0	370	373	99 +	3	375	7121	7493
UN20281	Rsa1.0.00169.1	1727	274298	0	1004	1019	98 +	710	1727	94474	95487
UN20282	Rsa1.0.00178.1	1297	114861	1.00E-116	230	235	97 -	1063	1297	30349	30580
UN20283	Rsa1.0.01061.1	996	55349	0	437	445	98 -	554	996	21805	22249
UN20284	Rsa1.0.00248.1	1271	163568	1.00E-161	292	293	99 +	4	296	52414	52706
UN20285	Rsa1.0.00608.1	1079	172672	0	746	792	94 +	244	1025	3169	3956
UN20286	Rsa1.0.01870.1	1572	37919	1.00E-142	357	386	92 -	1199	1570	14043	14425
UN20287	Rsa1.0.01104.1	1142	285480	0	456	456	100 +	686	1141	35015	35470
UN20288	Rsa1.0.00006.1	1166	396176	0	353	362	97 +	805	1166	223817	224175
UN20289	Rsa1.0.02722.1	1078	28417	0	422	425	99 -	654	1078	266	687
UN20290	Rsa1.0.00052.1	865	162771	0	522	528	98 +	3	530	52240	52767
UN20291	Rsa1.0.01969.1	1301	153351	1.00E-153	275	275	100 -	202	476	13008	13282
UN20292	Rsa1.0.01071.1	1194	166914	0	384	398	96 -	795	1190	14011	14407
UN20293	Rsa1.0.01012.1	585	56836	1.00E-175	311	311	100 +	274	584	40013	40323
UN20294	Rsa1.0.00201.1	1052	232851	0	458	458	100 +	595	1052	39482	39939
UN20295	Rsa1.0.02931.1	724	26654	1.00E-112	205	205	100 -	516	720	1064	1268
UN20296	Rsa1.0.00596.1	807	73578	6.00E-73	150	152	98 +	602	752	22940	23091
UN20297	Rsa1.0.00148.1	1173	120234	0	376	378	99 -	580	957	11968	12345
UN20298	Rsa1.0.00071.1	1173	345714	0	374	382	97 -	349	730	311950	312331
UN20299	Rsa1.0.09588.1	925	6267	1.00E-121	230	233	98 +	314	546	5405	5637
UN20300	Rsa1.0.37869.1	1655	595	0	585	596	98 +	751	1346	1	595
UN20301	Rsa1.0.00392.1	671	88523	0	350	352	99 +	3	354	30865	31216
UN20302	Rsa1.0.00329.1	1258	222544	0	593	616	96 -	644	1258	193125	193732
UN20303	Rsa1.0.00221.1	982	106972	0	489	498	98 +	491	980	23856	24352
UN20304	Rsa1.0.01789.1	1019	39250	0	500	522	95 +	302	823	9785	10306
UN20305	Rsa1.0.00679.1	1515	68971	1.00E-168	312	316	98 +	627	942	55747	56062
UN20306	Rsa1.0.00018.1	1092	410899	1.00E-159	298	301	99 +	792	1091	262610	262910
UN20307	Rsa1.0.00772.1	1195	64856	1.00E-164	319	327	97 +	872	1195	7619	7945
UN20308	Rsa1.0.01016.1	1168	181422	0	507	508	99 +	454	961	18736	19243
UN20309	Rsa1.0.00380.1	749	89748	0	468	475	98 -	276	749	58228	58701
UN20310	Rsa1.0.02374.1	1506	32043	0	449	449	100 +	1	449	25543	25991
UN20311	Rsa1.0.00199.1	1769	249604	0	1734	1765	98 -	1	1765	180958	182718
UN20312	Rsa1.0.05326.1	1899	14139	0	628	633	99 -	736	1367	2834	3466
UN20313	Rsa1.0.00480.1	825	81325	0	479	480	99 +	346	825	11691	12170
UN20314	Rsa1.0.00179.1	1229	393324	0	509	517	98 +	658	1169	333811	334326
UN20315	Rsa1.0.00144.1	1940	120708	1.00E-164	368	390	94 +	1521	1907	68637	69018
UN20316	Rsa1.0.03826.1	1295	20614	0	740	761	97 +	1	743	3379	4139
UN20317	Rsa1.0.14974.1	939	2919	0	406	407	99 -	130	536	2513	2919

UN20318	Rsa1.0.00167.1	1277	116000	0	594	599	99 -	87	685	46321	46919
UN20319	Rsa1.0.01396.1	945	151624	1.00E-139	298	313	95 -	1	307	105146	105455
UN20320	Rsa1.0.00136.1	1336	122464	0	607	657	92 -	373	1024	81116	81754
UN20321	Rsa1.0.01963.1	1145	36719	0	451	476	94 +	356	830	19722	20197
UN20322	Rsa1.0.00483.1	969	81102	1.00E-163	387	412	93 -	1	405	51013	51417
UN20323	Rsa1.0.04426.1	723	17399	1.00E-101	205	211	97 +	510	720	14213	14423
UN20324	Rsa1.0.02923.1	777	26736	0	359	362	99 -	416	777	15743	16101
UN20325	Rsa1.0.22508.1	561	1115	1.00E-143	285	292	97 +	151	439	815	1105
UN20326	Rsa1.0.02140.1	1205	34681	0	619	627	98 +	3	626	7088	7714
UN20327	Rsa1.0.00773.1	1004	64839	1.00E-130	303	322	94 -	667	981	10122	10440
UN20328	Rsa1.0.01583.1	981	156297	0	973	977	99 +	6	981	150926	151902
UN20329	Rsa1.0.04610.1	814	16653	0	354	354	100 -	461	814	173	526
UN20330	Rsa1.0.02244.1	755	33494	0	416	417	99 +	3	418	10210	10626
UN20331	Rsa1.0.00133.1	1098	123768	1.00E-154	301	309	97 -	115	423	11639	11947
UN20332	Rsa1.0.00123.1	1345	325650	2.33E-156	266	267	99 +	620	886	64895	65161
UN20333	Rsa1.0.06563.1	595	10765	2.00E-93	224	237	94 +	361	595	863	1097
UN20334	Rsa1.0.00240.1	1301	104175	0	579	579	100 +	713	1291	92182	92760
UN20335	Rsa1.0.00098.1	746	349239	0	712	737	96 +	16	746	317468	318196
UN20336	Rsa1.0.00206.1	1198	109040	0	679	687	98 -	512	1198	72454	73138
UN20337	Rsa1.0.06794.1	728	10347	0	660	684	96 +	45	728	369	1038
UN20338	Rsa1.0.01134.1	695	52829	0	675	694	97 -	3	694	51653	52341
UN20339	Rsa1.0.20045.1	1122	1348	0	593	641	92 +	196	836	720	1346
UN20340	Rsa1.0.00369.1	1019	266462	0	416	420	99 +	259	678	192827	193246
UN20341	Rsa1.0.00071.1	791	345714	0	692	732	94 -	60	786	214861	215579
UN20342	Rsa1.0.03498.1	1618	22480	0	1006	1013	99 -	5	1013	15917	16927
UN20343	Rsa1.0.03122.1	1114	25207	0	484	486	99 +	3	488	21600	22085
UN20344	Rsa1.0.10740.1	1222	5737	0	442	448	98 -	3	450	1766	2210
UN20345	Rsa1.0.05293.1	1277	14237	1.00E-143	271	275	98 -	3	277	11059	11333
UN20346	Rsa1.0.00869.1	713	61627	0	416	433	96 -	276	700	35875	36307
UN20347	Rsa1.0.03476.1	1456	22646	0	1391	1392	99 +	65	1456	12620	14011
UN20348	Rsa1.0.01442.1	826	45776	0	498	515	96 -	38	552	25486	26000
UN20349	Rsa1.0.01336.1	1013	47853	0	674	686	98 +	220	905	39106	39791
UN20350	Rsa1.0.00369.1	1027	266462	0	415	419	99 +	275	693	192827	193245
UN20351	Rsa1.0.01031.1	896	56236	0	444	466	95 -	434	896	42222	42685
UN20352	Rsa1.0.00123.1	1473	325650	1.00E-116	225	229	98 +	344	572	234211	234439
UN20353	Rsa1.0.03697.1	1461	21304	0	403	425	94 -	1045	1461	16457	16881
UN20354	Rsa1.0.00205.1	857	193401	1.00E-132	292	305	95 -	555	857	14414	14714
UN20355	Rsa1.0.00641.1	1680	208241	0	771	788	97 +	155	942	5190	5977
UN20356	Rsa1.0.01281.1	1347	49313	0	453	472	95 +	894	1347	12897	13368

UN20357	Rsa1.0.01484.1	1419	44806	0	1114	1166	95 +	250	1415	28137	29271
UN20358	Rsa1.0.00340.1	2142	305782	0	854	873	97 +	1273	2140	5978	6849
UN20359	Rsa1.0.17779.1	978	1742	0	826	843	97 +	108	946	900	1742
UN20360	Rsa1.0.00217.1	1629	107079	0	520	534	97 -	1	529	61556	62089
UN20361	Rsa1.0.01282.1	669	49304	0	627	654	95 -	3	656	26620	27257
UN20362	Rsa1.0.01878.1	1249	37768	0	473	479	98 +	3	481	20791	21269
UN20363	Rsa1.0.00745.1	1608	66067	0	512	552	92 +	1068	1602	52944	53487
UN20364	Rsa1.0.03634.1	737	145192	1.00E-134	254	258	98 -	479	736	142830	143087
UN20365	Rsa1.0.00916.1	541	59789	1.00E-63	124	124	100 +	174	297	22493	22616
UN20366	Rsa1.0.18416.1	932	1603	0	504	510	98 -	426	932	203	712
UN20367	Rsa1.0.00548.1	1087	76518	1.00E-119	252	262	96 -	825	1085	60500	60761
UN20368	Rsa1.0.00269.1	1436	341668	0	643	666	96 -	3	665	34527	35191
UN20369	Rsa1.0.00843.1	1819	62411	0	337	340	99 -	844	1183	55432	55771
UN20370	Rsa1.0.02058.1	707	35532	1.00E-131	247	249	99 -	3	249	15949	16197
UN20371	Rsa1.0.00238.1	514	193193	1.00E-156	339	355	95 -	132	485	3666	4017
UN20372	Rsa1.0.06738.1	1550	10441	0	766	793	96 -	711	1496	3218	4007
UN20373	Rsa1.0.00241.1	1028	104000	1.00E-132	316	344	91 -	690	1020	65473	65816
UN20374	Rsa1.0.00001.1	1266	363028	0	546	559	97 +	417	975	240541	241099
UN20375	Rsa1.0.06677.1	1122	10560	0	559	588	95 -	536	1122	9759	10344
UN20376	Rsa1.0.00628.1	440	214360	1.00E-114	209	209	100 +	227	435	16117	16325
UN20377	Rsa1.0.14505.1	1095	3322	0	362	371	97 -	724	1089	1685	2055
UN20378	Rsa1.0.01475.1	1233	45044	0	464	468	99 +	3	470	38877	39344
UN20379	Rsa1.0.02122.1	1285	34797	1.00E-160	290	291	99 +	151	441	31779	32069
UN20380	Rsa1.0.05847.1	1725	12433	0	655	670	97 -	134	800	421	1090
UN20381	Rsa1.0.00453.1	834	83031	0	820	828	99 +	1	828	54767	55593
UN20382	Rsa1.0.00722.1	1749	66840	0	386	387	99 -	1311	1697	62816	63201
UN20383	Rsa1.0.00244.1	858	103590	1.00E-115	290	313	92 +	4	314	71210	71519
UN20384	Rsa1.0.01068.1	1351	55208	0	471	498	94 +	3	492	34526	35012
UN20385	Rsa1.0.02748.1	1160	28242	0	577	585	98 +	1	585	14241	14825
UN20386	Rsa1.0.02634.1	1645	29299	1.00E-154	300	307	97 +	1	307	10522	10826
UN20387	Rsa1.0.09458.1	947	6353	1.00E-114	212	213	99 +	735	947	4827	5039
UN20388	Rsa1.0.00109.1	1439	132735	0	471	473	99 +	1	472	61679	62151
UN20389	Rsa1.0.00301.1	858	365315	0	373	383	97 -	397	779	214376	214758
UN20390	Rsa1.0.03538.1	1440	22204	1.00E-106	196	196	100 +	247	442	7575	7770
UN20391	Rsa1.0.00124.1	1169	262503	1.00E-147	334	355	94 +	813	1167	21650	21996
UN20392	Rsa1.0.16486.1	786	2139	1.00E-138	297	309	96 -	480	786	441	747
UN20393	Rsa1.0.00055.1	705	520193	0	641	666	96 -	43	705	340084	340743
UN20394	Rsa1.0.00413.1	1529	86921	1.00E-112	210	211	99 -	248	458	834	1044
UN20395	Rsa1.0.02379.1	690	150705	0	438	445	98 +	245	689	147073	147515

UN20396	Rsa1.0_02681.1	718	28711	1.00E-128	299	317	94 -	102	417	20439	20753
UN20397	Rsa1.0_03553.1	1045	22150	0	418	419	99 +	626	1044	15786	16204
UN20398	Rsa1.0_00886.1	1463	167350	1.00E-179	319	319	100 -	1	319	141325	141643
UN20399	Rsa1.0_00823.1	853	62889	4.00E-96	182	183	99 +	150	332	55413	55595
UN20400	Rsa1.0_02204.1	1045	33930	1.00E-161	340	353	96 -	695	1043	20567	20915
UN20401	Rsa1.0_02015.1	997	36008	1.00E-172	312	314	99 +	684	997	24383	24696
UN20402	Rsa1.0_00073.1	794	240924	0	541	581	93 +	17	597	81135	81695
UN20403	Rsa1.0_00663.1	557	164969	1.00E-125	304	322	94 -	4	315	120787	121105
UN20404	Rsa1.0_01803.1	1019	173846	0	434	453	95 +	568	1017	137460	137911
UN20405	Rsa1.0_01166.1	1012	51877	0	504	514	98 +	507	1012	37728	38241
UN20406	Rsa1.0_04870.1	1586	135142	0	473	487	97 -	321	807	1045	1531
UN20407	Rsa1.0_09854.1	1839	6118	0	430	444	96 -	1399	1839	972	1415
UN20408	Rsa1.0_04857.1	927	15703	0	793	809	98 -	124	927	11822	12626
UN20409	Rsa1.0_00589.1	1141	209965	0	359	359	100 -	783	1141	179899	180257
UN20410	Rsa1.0_01278.1	1376	49370	1.00E-169	325	332	97 -	1047	1376	27599	27930
UN20411	Rsa1.0_00107.1	1323	431659	1.00E-133	316	338	93 +	986	1323	13765	14091
UN20412	Rsa1.0_00762.1	731	165246	0	343	344	99 -	389	731	51038	51381
UN20413	Rsa1.0_00058.1	1054	159921	1.00E-144	358	385	92 -	673	1052	46492	46864
UN20414	Rsa1.0_00387.1	1290	495407	1.00E-179	391	412	94 -	884	1290	398874	399285
UN20415	Rsa1.0_01135.1	1039	52799	1.00E-145	280	286	97 -	491	776	46588	46873
UN20416	Rsa1.0_00987.1	1054	57543	0	505	515	98 -	538	1052	4103	4608
UN20417	Rsa1.0_00414.1	1300	202190	0	527	542	97 -	2	543	201313	201852
UN20418	Rsa1.0_00796.1	508	63997	7.00E-84	161	162	99 +	126	287	57353	57514
UN20419	Rsa1.0_02022.1	1269	35923	1.00E-158	325	339	95 +	928	1266	14054	14392
UN20420	Rsa1.0_00005.1	1850	353093	0	629	633	99 +	441	1073	331563	332195
UN20421	Rsa1.0_00552.1	573	206757	1.00E-100	247	265	93 -	298	560	72839	73102
UN20422	Rsa1.0_01468.1	1855	45146	0	585	616	94 +	1260	1855	15030	15644
UN20423	Rsa1.0_00817.1	767	62961	0	457	479	95 -	292	767	53855	54331
UN20424	Rsa1.0_00728.1	691	66704	0	539	549	98 -	143	691	10711	11258
UN20425	Rsa1.0_08846.1	1088	6867	1.00E-144	326	344	94 -	741	1083	3968	4300
UN20426	Rsa1.0_01283.1	978	49257	2.00E-79	157	159	98 +	106	264	15344	15502
UN20427	Rsa1.0_04122.1	1345	18950	0	622	633	98 -	2	631	14017	14649
UN20428	Rsa1.0_00867.1	1434	61635	1.00E-164	302	305	99 -	1	305	27352	27656
UN20429	Rsa1.0_00316.1	920	96264	2.00E-20	58	60	96 +	780	839	38997	39056
UN20430	Rsa1.0_03366.1	879	23401	1.00E-151	298	303	98 -	580	879	13840	14142
UN20431	Rsa1.0_01058.1	1342	55430	1.00E-154	286	289	98 +	549	837	17057	17345
UN20432	Rsa1.0_00378.1	1917	89892	1.00E-178	349	359	97 -	215	573	64565	64920
UN20433	Rsa1.0_00435.1	590	317579	0	427	449	95 -	143	590	62605	63052
UN20434	Rsa1.0_00305.1	1054	97308	0	542	573	94 -	476	1045	78524	79094

UN20435	Rsa1.0.01184.1	992	51452	0	383	383	100 +	227	609	26949	27331
UN20436	Rsa1.0.00056.1	1067	332604	0	356	357	99 +	709	1065	155406	155762
UN20437	Rsa1.0.04194.1	1233	132734	1.00E-38	98	103	95 -	706	808	118157	118259
UN20438	Rsa1.0.00180.1	1157	114581	0	394	404	97 +	756	1157	111408	111810
UN20439	Rsa1.0.00060.1	1070	502678	3.00E-88	184	190	96 +	881	1070	494424	494613
UN20440	Rsa1.0.02800.1	1280	27760	0	387	387	100 +	3	389	12373	12759
UN20441	Rsa1.0.00676.1	1588	69166	0	699	713	98 -	432	1144	53234	53943
UN20442	Rsa1.0.00960.1	1267	58199	1.00E-170	369	390	94 +	888	1265	29999	30388
UN20443	Rsa1.0.00014.1	500	348985	0	391	392	99 +	109	500	298418	298809
UN20444	Rsa1.0.03191.1	1602	145762	0	628	669	93 -	7	675	134735	135403
UN20445	Rsa1.0.00610.1	1962	72740	0	477	488	97 -	598	1083	70231	70718
UN20446	Rsa1.0.00315.1	932	96426	0	928	939	98 +	3	932	89409	90347
UN20447	Rsa1.0.13699.1	1335	4460	0	420	433	96 +	3	435	2257	2688
UN20448	Rsa1.0.02221.1	1200	33796	0	385	394	97 +	326	719	3350	3743
UN20449	Rsa1.0.00827.1	1453	62790	0	425	426	99 -	1028	1453	49142	49567
UN20450	Rsa1.0.01036.1	1393	55978	0	1050	1090	96 -	304	1386	47923	49006
UN20451	Rsa1.0.00047.1	912	168582	1.00E-137	333	356	93 +	558	912	99362	99714
UN20452	Rsa1.0.01564.1	1549	43169	1.00E-117	270	285	94 -	1268	1549	36240	36523
UN20453	Rsa1.0.00506.1	1441	79106	1.00E-112	291	318	91 +	1136	1441	6009	6326
UN20454	Rsa1.0.00464.1	1068	82253	0	491	498	98 +	229	726	21695	22192
UN20455	Rsa1.0.05155.1	1661	14653	0	567	584	97 +	850	1433	390	961
UN20456	Rsa1.0.00342.1	1401	93695	1.00E-154	280	281	99 +	1119	1399	1565	1845
UN20457	Rsa1.0.04563.1	1699	16837	1.00E-88	198	208	95 +	5	208	12887	13094
UN20458	Rsa1.0.00655.1	1328	195840	1.00E-123	300	321	93 +	1008	1328	165753	166070
UN20459	Rsa1.0.00339.1	1052	222974	0	772	795	97 +	1	795	4341	5135
UN20460	Rsa1.0.02623.1	1445	29409	1.00E-155	331	346	95 -	1090	1432	9641	9981
UN20461	Rsa1.0.01493.1	1397	44670	0	512	520	98 -	878	1397	13292	13805
UN20462	Rsa1.0.02622.1	1038	142402	1.00E-116	232	237	97 -	795	1031	10894	11129
UN20463	Rsa1.0.02064.1	1026	35476	1.00E-142	310	321	96 -	537	852	16703	17023
UN20464	Rsa1.0.01783.1	585	39383	0	433	438	98 -	149	585	19791	20227
UN20465	Rsa1.0.00056.1	1382	332604	0	720	760	94 +	617	1370	24496	25254
UN20466	Rsa1.0.00092.1	1510	659932	0	651	654	99 -	858	1510	200221	200874
UN20467	Rsa1.0.02300.1	1522	32847	0	454	461	98 +	1061	1521	25098	25556
UN20468	Rsa1.0.00381.1	1456	89718	2.00E-74	203	223	91 -	285	507	86318	86540
UN20469	Rsa1.0.00750.1	2336	190548	0	500	521	95 -	1821	2336	144351	144869
UN20470	Rsa1.0.01702.1	931	40722	1.00E-170	347	362	95 -	5	355	14976	15336
UN20471	Rsa1.0.01639.1	1444	41850	0	1330	1330	100 +	1	1330	12477	13806
UN20472	Rsa1.0.00097.1	1532	138858	0	823	867	94 +	671	1525	29953	30810
UN20473	Rsa1.0.00190.1	1470	318240	1.00E-161	381	409	93 -	2	409	12061	12459

UN20474	Rsa1.0.00844.1	1205	62403	0	555	567	97 -	8	574	19070	19633
UN20475	Rsa1.0.01390.1	1127	46695	1.00E-167	328	338	97 +	477	814	37463	37800
UN20476	Rsa1.0.06797.1	1396	10342	1.00E-123	255	263	96 +	149	408	5144	5406
UN20477	Rsa1.0.00029.1	1093	272992	0	702	716	98 -	126	840	248566	249281
UN20478	Rsa1.0.00101.1	1149	267193	0	654	661	98 -	487	1147	211522	212182
UN20479	Rsa1.0.00008.1	804	358124	1.00E-157	302	309	97 -	245	553	54138	54446
UN20480	Rsa1.0.22496.1	1120	1116	2.00E-79	164	167	98 +	952	1118	22	187
UN20481	Rsa1.0.01517.1	903	44170	1.00E-150	292	298	97 +	1	298	28310	28606
UN20482	Rsa1.0.17289.1	1246	1870	0	570	580	98 +	1	580	1291	1870
UN20483	Rsa1.0.01783.1	535	39383	4.00E-76	215	237	90 +	35	271	19850	20085
UN20484	Rsa1.0.00483.1	904	81102	1.00E-102	320	357	89 -	1	340	51013	51366
UN20485	Rsa1.0.01696.1	1378	301850	0	409	414	98 -	1	413	12506	12919
UN20486	Rsa1.0.00178.1	637	114861	1.00E-145	261	261	100 -	374	634	98482	98742
UN20487	Rsa1.0.03508.1	822	22388	0	552	554	99 +	4	557	8273	8826
UN20488	Rsa1.0.13737.1	1191	4403	1.00E-157	320	332	96 +	858	1189	3954	4282
UN20489	Rsa1.0.04307.1	886	18001	0	506	511	99 -	1	511	16685	17195
UN20490	Rsa1.0.00558.1	363	75819	1.00E-163	348	364	95 -	3	360	43644	44003
UN20491	Rsa1.0.00487.1	1281	80674	0	1243	1292	96 +	1	1279	70327	71616
UN20492	Rsa1.0.00757.1	1334	65559	0	479	480	99 -	464	943	45702	46181
UN20493	Rsa1.0.05319.1	868	14158	0	595	598	99 +	3	600	3168	3765
UN20494	Rsa1.0.17040.1	1441	1944	1.00E-161	343	363	94 +	1068	1427	195	545
UN20495	Rsa1.0.00663.1	1061	164969	0	352	363	96 -	697	1059	126353	126704
UN20496	Rsa1.0.04399.1	934	17543	0	380	383	99 +	1	383	4659	5041
UN20497	Rsa1.0.07490.1	2090	9261	0	681	708	96 +	1	707	6566	7270
UN20498	Rsa1.0.00157.1	1785	245832	1.00E-152	340	363	93 +	3	357	38121	38483
UN20499	Rsa1.0.02322.1	1504	32555	1.00E-134	282	292	96 -	1	290	26961	27252
UN20500	Rsa1.0.01508.1	774	44334	1.00E-15	110	132	83 -	224	355	39209	39340
UN20501	Rsa1.0.00786.1	922	64285	1.00E-159	302	308	98 +	613	920	42075	42382
UN20502	Rsa1.0.02163.1	732	34427	0	345	352	98 -	381	732	28233	28584
UN20503	Rsa1.0.04488.1	1021	17155	0	487	504	96 -	1	500	14541	15044
UN20504	Rsa1.0.00051.1	761	258225	1.00E-158	451	494	91 +	3	493	16022	16502
UN20505	Rsa1.0.00130.1	943	125737	1.00E-151	298	306	97 -	1	304	37213	37518
UN20506	Rsa1.0.02079.1	1074	35306	0	473	476	99 -	599	1074	32780	33255
UN20507	Rsa1.0.04108.1	1399	19001	0	1390	1399	99 +	1	1399	9408	10806
UN20508	Rsa1.0.05854.1	652	12415	0	644	649	99 +	4	652	1593	2241
UN20509	Rsa1.0.01299.1	1370	162028	0	532	533	99 -	1	533	44526	45058
UN20510	Rsa1.0.00132.1	1171	124299	0	448	448	100 -	724	1171	105859	106306
UN20511	Rsa1.0.01195.1	632	147988	0	628	630	99 -	1	630	23188	23816
UN20512	Rsa1.0.00114.1	548	131330	0	546	546	100 -	3	548	65801	66346

UN20513	Rsa1.0.01867.1	1494	37960	0	486	496	97 +	698	1193	19568	20063
UN20514	Rsa1.0.00071.1	1740	345714	0	575	589	97 -	1	589	332641	333222
UN20515	Rsa1.0.04429.1	1257	17393	1.00E-139	265	269	98 +	255	523	11732	11997
UN20516	Rsa1.0.03424.1	1282	23064	0	896	915	97 -	10	924	17318	18228
UN20517	Rsa1.0.04106.1	1749	19018	0	391	393	99 +	155	547	4248	4640
UN20518	Rsa1.0.00116.1	1580	365886	1.00E-116	260	277	93 -	1301	1568	127928	128204
UN20519	Rsa1.0.03290.1	1253	24011	0	1177	1248	94 -	1	1236	22647	23886
UN20520	Rsa1.0.00326.1	793	171955	1.00E-151	312	324	96 -	3	326	86619	86937
UN20521	Rsa1.0.00079.1	1200	606987	0	415	427	97 +	2	425	466217	466637
UN20522	Rsa1.0.00973.1	1113	57913	0	1098	1114	98 +	1	1113	22820	23933
UN20523	Rsa1.0.00192.1	1111	278200	0	454	456	99 -	426	881	260592	261047
UN20524	Rsa1.0.00053.1	1570	263459	0	375	391	95 +	984	1374	250289	250679
UN20525	Rsa1.0.00493.1	1312	80007	0	425	427	99 +	5	431	33579	34005
UN20526	Rsa1.0.51744.1	1931	439	0	434	439	98 -	944	1382	1	439
UN20527	Rsa1.0.00160.1	1109	346678	0	523	528	99 +	1	527	190698	191224
UN20528	Rsa1.0.03763.1	1082	20975	0	555	561	98 +	519	1079	14472	15032
UN20529	Rsa1.0.00045.1	1236	328694	1.00E-141	263	266	98 +	703	968	144010	144275
UN20530	Rsa1.0.05081.1	1566	136103	4.00E-88	203	214	94 -	1200	1411	7886	8095
UN20531	Rsa1.0.00310.1	1530	96852	1.00E-152	343	366	93 +	1150	1501	71221	71586
UN20532	Rsa1.0.04600.1	1055	16694	0	403	420	95 +	638	1055	12273	12692
UN20533	Rsa1.0.00387.1	1165	495407	0	459	470	97 -	696	1165	163054	163523
UN20534	Rsa1.0.02276.1	960	33098	0	816	834	97 -	118	948	23612	24440
UN20535	Rsa1.0.00936.1	1509	59078	0	527	567	92 -	962	1509	22948	23514
UN20536	Rsa1.0.00682.1	1617	68680	0	863	877	98 +	2	878	33738	34613
UN20537	Rsa1.0.69843.1	1104	328	1.00E-178	325	328	99 -	140	467	1	328
UN20538	Rsa1.0.01603.1	714	42468	0	623	679	91 +	3	653	8934	9607
UN20539	Rsa1.0.01363.1	885	47195	1.00E-116	278	299	92 +	3	298	23091	23380
UN20540	Rsa1.0.15173.1	1557	2779	0	505	510	99 +	603	1112	886	1395
UN20541	Rsa1.0.02684.1	615	28676	0	351	354	99 +	262	615	1255	1606
UN20542	Rsa1.0.05864.1	899	12387	1.00E-159	307	313	98 +	2	313	9853	10165
UN20543	Rsa1.0.05076.1	880	14916	0	547	547	100 +	4	550	432	978
UN20544	Rsa1.0.00175.1	1051	166121	1.00E-133	276	285	96 -	765	1048	56275	56558
UN20545	Rsa1.0.01603.1	1111	42468	0	360	370	97 +	3	372	36944	37313
UN20546	Rsa1.0.00073.1	1025	240924	0	356	361	98 +	11	371	187799	188159
UN20547	Rsa1.0.01534.1	1020	43764	0	932	971	95 +	2	972	9502	10472
UN20548	Rsa1.0.05331.1	1507	14127	0	860	867	99 -	642	1507	6867	7733
UN20549	Rsa1.0.06125.1	816	11680	6.00E-33	170	199	85 -	618	813	3526	3722
UN20550	Rsa1.0.00399.1	837	242951	0	482	498	96 +	317	813	43915	44407
UN20551	Rsa1.0.01638.1	1492	41857	1.00E-177	333	339	98 +	705	1043	36262	36600

UN20552	Rsa1.0.02694.1	1273	28610	0	395	402	98 +	383	781	6542	6943
UN20553	Rsa1.0.00628.1	935	214360	2.00E-91	174	175	99 +	225	399	45588	45762
UN20554	Rsa1.0.03242.1	823	24415	0	440	441	99 -	337	777	1634	2074
UN20555	Rsa1.0.01285.1	1528	172709	0	1005	1041	96 +	496	1528	139837	140871
UN20556	Rsa1.0.01580.1	1921	42852	0	954	955	99 +	1	954	22344	23298
UN20557	Rsa1.0.04051.1	915	19375	0	374	381	98 +	3	379	6419	6799
UN20558	#	#	#	#	#	#	#	#	#	#	#
UN20559	Rsa1.0.10507.1	1800	5822	0	883	906	97 -	419	1311	2792	3694
UN20560	Rsa1.0.01803.1	982	173846	0	424	424	100 +	559	982	31867	32290
UN20561	Rsa1.0.00394.1	1693	148426	0	679	690	98 -	209	897	125670	126356
UN20562	Rsa1.0.01370.1	1631	47093	0	607	612	99 -	2	613	6095	6704
UN20563	Rsa1.0.01811.1	773	38977	1.00E-169	314	317	99 +	456	770	1187	1503
UN20564	Rsa1.0.00423.1	2271	86138	0	653	684	95 +	1594	2267	48394	49068
UN20565	Rsa1.0.00108.1	375	478491	1.00E-164	322	330	97 +	42	371	47419	47743
UN20566	Rsa1.0.02133.1	1126	34726	0	380	383	99 +	192	574	26082	26463
UN20567	Rsa1.0.01049.1	913	55655	0	901	915	98 -	1	913	9313	10225
UN20568	Rsa1.0.23054.1	1080	1074	1.00E-28	88	94	93 -	986	1078	784	877
UN20569	Rsa1.0.00092.1	1299	659932	1.00E-177	330	335	98 +	246	580	13028	13362
UN20570	Rsa1.0.01466.1	1412	45161	0	616	617	99 -	794	1410	38737	39353
UN20571	Rsa1.0.03123.1	924	25207	0	625	631	99 +	294	924	22210	22840
UN20572	Rsa1.0.02333.1	1291	32431	1.00E-120	228	230	99 +	16	245	17988	18215
UN20573	Rsa1.0.00060.1	1341	502678	0	523	528	99 -	483	1010	224224	224748
UN20574	Rsa1.0.16367.1	1427	2176	0	511	512	99 +	207	718	1	512
UN20575	Rsa1.0.01179.1	1721	51549	0	1608	1617	99 +	112	1721	21812	23428
UN20576	Rsa1.0.00002.1	769	601661	1.00E-135	321	343	93 -	380	716	55285	55623
UN20577	Rsa1.0.00300.1	1610	97747	0	1502	1559	96 -	55	1610	88786	90340
UN20578	Rsa1.0.00609.1	1433	72785	0	405	406	99 -	1027	1432	60297	60702
UN20579	Rsa1.0.01296.1	1405	49035	0	1090	1152	94 -	2	1131	27040	28191
UN20580	Rsa1.0.06166.1	2162	11583	0	1140	1155	98 +	516	1658	5941	7094
UN20581	Rsa1.0.00232.1	1117	104936	0	1101	1116	98 +	2	1117	25980	27093
UN20582	Rsa1.0.11294.1	951	5555	0	472	476	99 +	476	951	61	536
UN20583	Rsa1.0.00017.1	969	752458	0	441	451	97 +	7	456	40724	41168
UN20584	Rsa1.0.00015.1	717	561803	1.00E-142	366	405	90 +	125	522	483122	483516
UN20585	Rsa1.0.37121.1	1294	607	1.00E-131	334	366	91 +	131	496	242	607
UN20586	Rsa1.0.01126.1	1058	53127	2.00E-95	245	267	91 -	799	1056	25857	26123
UN20587	Rsa1.0.00056.1	804	332604	6.00E-67	136	138	98 +	393	530	309803	309940
UN20588	Rsa1.0.03878.1	891	20305	1.00E-163	323	328	98 -	567	890	11871	12198
UN20589	Rsa1.0.00386.1	1718	89134	0	413	415	99 +	1	414	42136	42549
UN20590	Rsa1.0.05359.1	630	14054	3.00E-56	118	120	98 -	186	305	12742	12861

UN20591	Rsa1.0.00813.1	924	63202	0	521	560	93 +	381	924	51191	51742
UN20592	Rsa1.0.07534.1	770	9184	1.00E-115	241	251	96 -	494	744	5051	5301
UN20593	Rsa1.0.03325.1	1380	23720	1.00E-110	293	322	90 -	1064	1368	14657	14978
UN20594	Rsa1.0.00157.1	1519	245832	0	536	547	97 +	971	1516	236325	236871
UN20595	Rsa1.0.00001.1	1228	363028	0	950	968	98 +	261	1226	147746	148706
UN20596	Rsa1.0.02450.1	1617	31288	1.00E-139	320	343	93 -	1247	1589	18041	18367
UN20597	Rsa1.0.01815.1	1278	38897	0	780	802	97 -	480	1273	2944	3745
UN20598	Rsa1.0.01955.1	868	36850	0	438	460	95 +	226	682	13035	13489
UN20599	Rsa1.0.04199.1	1423	18501	0	1364	1418	96 -	3	1413	8259	9673
UN20600	Rsa1.0.60459.1	1300	379	0	357	363	98 +	847	1208	1	363
UN20601	Rsa1.0.00487.1	1260	80674	0	543	580	93 -	669	1238	64292	64863
UN20602	Rsa1.0.01540.1	962	151890	0	606	624	97 +	338	960	139025	139647
UN20603	Rsa1.0.02122.1	884	34797	1.00E-113	258	275	93 -	382	656	32894	33168
UN20604	Rsa1.0.11409.1	1588	5515	0	497	497	100 +	301	797	2356	2852
UN20605	Rsa1.0.07639.1	1133	8966	0	964	988	97 -	145	1126	7221	8200
UN20606	Rsa1.0.00434.1	1035	85171	1.00E-142	295	307	96 -	13	316	9575	9876
UN20607	Rsa1.0.02429.1	713	31527	1.00E-122	229	230	99 +	482	711	17242	17470
UN20608	Rsa1.0.02935.1	587	26621	1.00E-156	288	291	98 -	297	587	24378	24668
UN20609	Rsa1.0.02117.1	833	34843	1.00E-105	261	281	92 +	564	833	30965	31243
UN20610	Rsa1.0.00012.1	2476	222148	0	533	546	97 +	1380	1925	73315	73860
UN20611	Rsa1.0.01635.1	851	41865	0	596	616	96 -	66	680	17094	17703
UN20612	Rsa1.0.00066.1	1653	152418	2.00E-83	224	246	91 -	594	839	44281	44526
UN20613	Rsa1.0.01352.1	769	47443	0	399	407	98 -	53	459	954	1360
UN20614	Rsa1.0.00890.1	1101	323870	0	407	412	98 -	246	657	17871	18282
UN20615	Rsa1.0.01311.1	1440	48456	0	375	389	96 +	1045	1432	38967	39353
UN20616	Rsa1.0.07296.1	1303	9599	0	534	567	94 -	595	1155	3015	3581
UN20617	Rsa1.0.02935.1	1628	26621	1.00E-173	341	351	97 +	75	425	7304	7651
UN20618	Rsa1.0.00757.1	559	65559	0	551	556	99 +	4	559	41585	42140
UN20619	Rsa1.0.00715.1	811	67116	0	553	553	100 -	9	561	27710	28262
UN20620	Rsa1.0.01594.1	1201	42612	2.00E-86	172	175	98 +	672	846	9033	9207
UN20621	Rsa1.0.00064.1	1547	240927	1.00E-148	273	275	99 -	620	894	125727	126001
UN20622	Rsa1.0.07981.1	1150	8132	1.00E-170	303	303	100 +	204	506	1846	2148
UN20623	Rsa1.0.00104.1	1550	368722	0	995	999	99 -	551	1549	205856	206854
UN20624	Rsa1.0.06701.1	1035	10514	0	510	532	95 -	507	1035	8016	8540
UN20625	Rsa1.0.00087.1	1467	761073	0	407	412	98 +	1044	1455	433742	434153
UN20626	Rsa1.0.28365.1	1943	818	0	599	637	94 -	1314	1941	189	810
UN20627	Rsa1.0.01999.1	752	36237	1.00E-153	328	343	95 +	411	751	13718	14060
UN20628	Rsa1.0.00595.1	1701	341648	1.00E-157	297	302	98 +	1398	1699	15432	15733
UN20629	Rsa1.0.00017.1	1275	752458	0	336	337	99 -	262	597	726017	726353

UN20630	Rsa1.0.00200.1	1159	162016	0	662	715	92 +	451	1153	108700	109394
UN20631	Rsa1.0.08796.1	699	6916	0	395	404	97 +	278	680	4101	4504
UN20632	Rsa1.0.00490.1	1640	186713	1.00E-168	308	309	99 +	1321	1628	153661	153969
UN20633	Rsa1.0.04375.1	2065	141717	0	735	766	95 -	698	1463	16899	17664
UN20634	Rsa1.0.00111.1	882	390088	1.00E-105	312	354	88 +	1	325	369869	370222
UN20635	Rsa1.0.01295.1	1007	49040	0	386	405	95 -	602	1006	40213	40616
UN20636	Rsa1.0.00127.1	1544	127446	0	823	865	95 +	553	1417	125267	126130
UN20637	Rsa1.0.00509.1	1417	78829	0	583	615	94 -	1	611	75614	76222
UN20638	Rsa1.0.00136.1	617	122464	1.00E-144	260	260	100 +	358	617	55507	55766
UN20639	Rsa1.0.03073.1	1797	25574	0	1715	1733	98 +	59	1788	13812	15542
UN20640	Rsa1.0.00273.1	697	326186	1.00E-172	381	404	94 -	1	404	45539	45938
UN20641	Rsa1.0.00017.1	1103	752458	1.00E-166	360	376	95 +	1	374	272036	272408
UN20642	Rsa1.0.00744.1	1473	66084	0	395	408	96 -	1	406	53238	53642
UN20643	Rsa1.0.00657.1	1424	69858	1.00E-100	230	242	95 +	4	244	25331	25570
UN20644	Rsa1.0.04415.1	1655	147889	0	494	513	96 +	1	511	134349	134844
UN20645	Rsa1.0.02857.1	2694	27254	0	1020	1034	98 +	833	1866	14543	15576
UN20646	#	#	#	#	#	#	#	#	#	#	#
UN20647	Rsa1.0.00060.1	1133	502678	1.00E-137	260	264	98 -	658	921	126419	126682
UN20648	Rsa1.0.00774.1	1245	64831	0	1238	1243	99 -	1	1243	49629	50871
UN20649	Rsa1.0.04367.1	521	17728	0	370	370	100 -	1	370	13016	13385
UN20650	Rsa1.0.01310.1	976	164719	0	333	334	99 +	2	335	137112	137445
UN20651	Rsa1.0.00979.1	1178	57733	0	378	393	96 -	188	580	2037	2428
UN20652	Rsa1.0.00637.1	1564	71038	2.33E-156	278	283	98 -	814	1096	23549	23831
UN20653	Rsa1.0.00157.1	971	245832	0	355	361	98 -	612	970	128826	129186
UN20654	Rsa1.0.03167.1	1311	24858	0	355	355	100 -	957	1311	13333	13687
UN20655	Rsa1.0.01767.1	1105	39615	0	417	422	98 +	2	423	12167	12587
UN20656	Rsa1.0.00043.1	1467	264937	0	356	356	100 -	293	648	125184	125539
UN20657	Rsa1.0.00213.1	795	108167	1.00E-151	274	275	99 +	3	277	4392	4666
UN20658	Rsa1.0.00851.1	1285	62181	6.00E-71	174	183	95 +	1104	1285	29745	29923
UN20659	Rsa1.0.01154.1	1277	52249	0	617	617	100 -	661	1277	8981	9597
UN20660	Rsa1.0.53817.1	843	424	1.00E-142	257	257	100 +	469	725	164	420
UN20661	Rsa1.0.01196.1	1025	51097	0	385	389	98 -	637	1025	2522	2910
UN20662	Rsa1.0.01633.1	996	41868	1.00E-175	402	426	94 +	523	941	3035	3455
UN20663	Rsa1.0.13514.1	833	4757	0	547	570	95 +	230	794	836	1405
UN20664	Rsa1.0.00453.1	980	83031	1.00E-176	412	435	94 +	554	980	19304	19735
UN20665	Rsa1.0.01958.1	1497	261128	0	412	420	98 -	86	505	131033	131452
UN20666	Rsa1.0.00228.1	1031	105511	0	739	741	99 -	289	1029	48930	49670
UN20667	Rsa1.0.03100.1	1695	25411	0	454	477	95 -	232	705	19710	20183
UN20668	Rsa1.0.01958.1	579	261128	1.00E-105	290	319	90 +	202	517	110202	110502

UN20669	Rsa1.0_01980.1	629	36544	1.00E-112	343	384	89 +	258	629	32527	32902
UN20670	Rsa1.0_01986.1	1624	36489	0	664	692	95 -	933	1616	16784	17472
UN20671	Rsa1.0_00161.1	1083	116891	1.00E-172	307	307	100 -	340	646	77572	77878
UN20672	Rsa1.0_00017.1	2102	752458	1.00E-124	226	226	100 -	1877	2102	304085	304310
UN20673	Rsa1.0_03168.1	1415	24827	1.00E-152	306	317	96 +	202	518	4731	5047
UN20674	Rsa1.0_03276.1	1710	24152	0	422	430	98 +	1284	1710	15610	16039
UN20675	Rsa1.0_03268.1	1221	24197	0	1211	1230	98 -	2	1221	15696	16920
UN20676	Rsa1.0_02074.1	1309	35370	0	1205	1235	97 -	79	1309	30138	31372
UN20677	Rsa1.0_05228.1	1787	14437	1.00E-159	360	385	93 -	1405	1787	4937	5313
UN20678	Rsa1.0_00819.1	1203	62918	1.00E-161	351	371	94 -	837	1201	46857	47221
UN20679	Rsa1.0_00088.1	1179	141341	1.00E-132	240	240	100 -	3	242	105848	106087
UN20680	Rsa1.0_02663.1	1555	169243	0	559	574	97 +	902	1475	7793	8361
UN20681	Rsa1.0_01983.1	1573	36509	0	368	373	98 +	1	370	30035	30407
UN20682	Rsa1.0_02006.1	821	36135	0	810	816	99 -	3	818	32716	33531
UN20683	Rsa1.0_02987.1	815	26196	0	359	371	96 +	178	548	22775	23145
UN20684	Rsa1.0_00215.1	872	201775	0	440	442	99 +	4	445	162412	162853
UN20685	Rsa1.0_01767.1	737	39615	2.00E-51	186	211	88 +	497	706	36769	36977
UN20686	Rsa1.0_00644.1	1005	136881	1.00E-150	383	417	91 -	607	1005	62662	63077
UN20687	Rsa1.0_00007.1	1784	239325	0	1397	1478	94 +	318	1784	49571	51044
UN20688	Rsa1.0_01934.1	1107	37162	0	367	371	98 -	739	1107	3569	3939
UN20689	Rsa1.0_00341.1	1362	249309	0	608	638	95 +	218	852	189541	190172
UN20690	Rsa1.0_01287.1	1640	49195	0	901	929	96 -	716	1640	2253	3181
UN20691	Rsa1.0_01420.1	1240	46210	0	1232	1240	99 -	3	1240	10520	11759
UN20692	Rsa1.0_02016.1	836	36003	0	345	347	99 +	491	836	26194	26539
UN20693	Rsa1.0_00233.1	1590	104918	0	1074	1077	99 +	514	1590	66048	67124
UN20694	Rsa1.0_00820.1	1184	62911	1.00E-134	282	293	96 -	790	1081	61834	62123
UN20695	Rsa1.0_00384.1	801	89278	0	793	808	98 -	3	801	945	1751
UN20696	Rsa1.0_00010.1	896	294827	1.00E-117	223	226	98 -	146	371	248372	248597
UN20697	Rsa1.0_00204.1	788	109056	0	350	350	100 +	437	786	93161	93510
UN20698	Rsa1.0_00278.1	795	231896	3.00E-93	192	198	96 -	215	412	67513	67710
UN20699	Rsa1.0_00056.1	1177	332604	0	352	353	99 +	824	1176	313940	314292
UN20700	Rsa1.0_00055.1	1296	520193	0	634	655	96 +	603	1252	348112	348766
UN20701	Rsa1.0_00034.1	1822	260119	0	569	599	94 -	3	588	79102	79690
UN20702	Rsa1.0_02367.1	1342	32106	0	661	662	99 +	680	1341	25289	25950
UN20703	Rsa1.0_00027.1	804	283362	1.00E-169	341	353	96 -	450	802	279812	280163
UN20704	Rsa1.0_04653.1	1250	16509	0	402	422	95 -	103	523	5218	5632
UN20705	Rsa1.0_00069.1	1087	403561	0	347	350	99 +	1	349	385301	385649
UN20706	Rsa1.0_00361.1	1391	91181	0	369	369	100 -	1023	1391	37963	38331
UN20707	Rsa1.0_01236.1	762	50156	0	445	446	99 -	1	446	1967	2412

UN20708	Rsa1.0_00098.1	1642	349239	0	917	934	98 -	717	1641	264086	265018
UN20709	Rsa1.0_00807.1	1393	63607	1.00E-139	298	311	95 +	2	310	11860	12170
UN20710	Rsa1.0_00655.1	1221	195840	0	1194	1221	97 +	2	1219	35914	37134
UN20711	Rsa1.0_02646.1	1021	29123	0	447	451	99 -	568	1018	14057	14507
UN20712	Rsa1.0_00007.1	1907	239325	0	1516	1740	87 -	13	1692	52943	54637
UN20713	Rsa1.0_00069.1	803	403561	1.00E-101	244	260	93 -	51	309	200655	200909
UN20714	Rsa1.0_00800.1	1263	63868	0	580	622	93 -	646	1260	11244	11842
UN20715	Rsa1.0_01067.1	1569	55230	8.00E-40	88	89	98 +	371	459	26955	27043
UN20716	Rsa1.0_14764.1	931	3084	0	729	774	94 +	1	771	1870	2634
UN20717	Rsa1.0_00009.1	1608	232558	0	466	484	96 +	1	476	60720	61202
UN20718	Rsa1.0_01539.1	716	43698	1.00E-129	238	239	99 +	2	240	22171	22409
UN20719	Rsa1.0_04820.1	1156	15857	0	687	732	93 +	1	721	14907	15622
UN20720	Rsa1.0_00579.1	1373	148308	0	404	406	99 -	967	1372	63803	64208
UN20721	Rsa1.0_03408.1	827	23154	0	363	367	98 -	1	367	16945	17311
UN20722	Rsa1.0_00302.1	1597	97521	1.00E-140	309	326	94 -	310	635	82291	82615
UN20723	Rsa1.0_02110.1	815	34919	0	784	832	94 -	1	814	22731	23550
UN20724	Rsa1.0_02872.1	1107	27080	0	498	526	94 +	26	545	11232	11749
UN20725	Rsa1.0_00217.1	1017	107079	0	538	542	99 -	478	1017	99824	100365
UN20726	Rsa1.0_04214.1	974	18437	0	595	603	98 +	1	601	6070	6672
UN20727	Rsa1.0_03521.1	895	396204	1.00E-161	315	324	97 +	572	895	15137	15460
UN20728	Rsa1.0_07396.1	974	9465	0	955	957	99 +	17	973	77	1033
UN20729	Rsa1.0_00384.1	989	89278	1.00E-174	322	326	98 +	663	988	66429	66754
UN20730	Rsa1.0_02282.1	1008	163951	0	369	372	99 -	619	990	162912	163283
UN20731	Rsa1.0_03789.1	709	20847	1.00E-171	372	392	94 +	318	709	9758	10146
UN20732	Rsa1.0_12809.1	886	5119	1.00E-172	393	419	93 -	3	420	4445	4848
UN20733	Rsa1.0_00503.1	1017	79468	0	414	414	100 +	603	1016	69177	69590
UN20734	Rsa1.0_00069.1	802	403561	1.00E-122	305	328	92 +	2	318	169710	170031
UN20735	Rsa1.0_04194.1	1452	132734	1.00E-149	292	300	97 -	492	791	132027	132326
UN20736	Rsa1.0_00944.1	842	58733	0	425	426	99 -	417	842	41318	41743
UN20737	Rsa1.0_02148.1	461	34610	4.00E-91	201	210	95 +	252	461	23020	23228
UN20738	Rsa1.0_00557.1	785	75865	0	501	524	95 +	225	745	69508	70031
UN20739	Rsa1.0_06054.1	707	11847	0	399	400	99 +	298	697	1351	1750
UN20740	Rsa1.0_00679.1	974	68971	1.00E-104	315	355	88 +	633	971	17739	18087
UN20741	Rsa1.0_00087.1	1592	761073	0	353	355	99 +	617	971	189734	190088
UN20742	Rsa1.0_00439.1	997	142776	0	606	609	99 -	79	687	130460	131068
UN20743	Rsa1.0_00553.1	1019	75983	5.00E-74	145	146	99 +	199	344	12359	12504
UN20744	Rsa1.0_00227.1	1179	105849	1.00E-139	302	317	95 -	832	1140	102281	102596
UN20745	Rsa1.0_00079.1	879	606987	0	862	882	97 +	1	879	134515	135396
UN20746	Rsa1.0_00041.1	805	186197	0	381	388	98 +	420	805	73947	74334

UN20747	Rsa1.0.02086.1	1654	35198	0	1601	1661	96 -	2	1654	27599	29253
UN20748	Rsa1.0.00421.1	785	86365	1.00E-180	326	327	99 -	459	784	82607	82933
UN20749	Rsa1.0.02160.1	1392	34468	1.00E-151	351	377	93 +	2	370	13384	13744
UN20750	Rsa1.0.04113.1	1706	18986	1.00E-126	251	257	97 +	1165	1419	10364	10620
UN20751	Rsa1.0.04242.1	1170	18340	0	740	774	95 -	352	1118	14714	15487
UN20752	Rsa1.0.05474.1	1503	13620	8.00E-40	106	113	93 -	1338	1450	10742	10854
UN20753	Rsa1.0.00152.1	649	257730	1.00E-153	336	355	94 -	291	641	203802	204155
UN20754	Rsa1.0.00221.1	576	106972	0	371	371	100 +	206	576	48663	49033
UN20755	Rsa1.0.02899.1	1176	26936	0	562	569	98 -	608	1176	767	1335
UN20756	Rsa1.0.02496.1	706	30814	1.00E-156	303	311	97 -	390	700	14674	14984
UN20757	Rsa1.0.00344.1	1563	191774	1.00E-114	254	266	95 +	586	850	132724	132988
UN20758	Rsa1.0.13506.1	1199	4760	1.00E-138	313	330	94 +	870	1199	3263	3585
UN20759	Rsa1.0.01541.1	1044	43682	1.00E-114	244	252	96 +	796	1044	17489	17739
UN20760	Rsa1.0.01280.1	1264	49321	0	897	916	97 +	348	1263	29082	29997
UN20761	Rsa1.0.03695.1	653	21329	1.00E-165	295	295	100 +	358	652	5196	5490
UN20762	Rsa1.0.00210.1	1211	108424	1.00E-179	345	353	97 +	95	447	50760	51109
UN20763	Rsa1.0.02157.1	604	149652	0	464	464	100 +	141	604	11588	12051
UN20764	Rsa1.0.03491.1	1428	22541	1.00E-162	323	335	96 +	1101	1427	21174	21508
UN20765	Rsa1.0.02282.1	1135	163951	7.00E-86	204	218	93 +	297	514	149855	150072
UN20766	Rsa1.0.04124.1	1397	18945	1.00E-179	363	378	96 -	3	371	8363	8739
UN20767	Rsa1.0.25249.1	1269	945	0	936	945	99 -	217	1159	1	945
UN20768	Rsa1.0.00154.1	1111	189461	0	607	616	98 -	262	877	183631	184246
UN20769	Rsa1.0.03602.1	1251	21847	0	598	615	97 +	69	677	5938	6552
UN20770	Rsa1.0.05423.1	1207	13800	1.00E-140	262	265	98 -	3	267	9118	9382
UN20771	Rsa1.0.01364.1	1072	47172	0	468	475	98 -	600	1072	43469	43943
UN20772	Rsa1.0.02105.1	920	156953	0	385	402	95 +	40	441	150764	151165
UN20773	Rsa1.0.00710.1	1106	67325	0	412	414	99 +	1	413	255	668
UN20774	Rsa1.0.00040.1	1127	324196	0	790	791	99 -	337	1127	296469	297259
UN20775	Rsa1.0.00139.1	932	357786	1.00E-119	516	613	84 +	151	757	141498	142104
UN20776	Rsa1.0.00737.1	1170	66432	1.00E-141	321	343	93 +	828	1170	30743	31076
UN20777	Rsa1.0.00067.1	1247	415055	1.00E-100	268	293	91 -	958	1247	78597	78874
UN20778	Rsa1.0.00206.1	1228	109040	0	618	620	99 +	5	624	84995	85614
UN20779	Rsa1.0.00146.1	1100	149343	0	1063	1099	96 +	8	1100	135513	136611
UN20780	Rsa1.0.01269.1	2929	49622	0	379	396	95 +	1194	1586	32684	33079
UN20781	Rsa1.0.00045.1	981	328694	0	378	393	96 +	590	980	132518	132910
UN20782	Rsa1.0.00985.1	1154	161950	0	634	636	99 -	2	637	133968	134603
UN20783	Rsa1.0.00541.1	806	76863	0	512	513	99 -	9	521	62313	62825
UN20784	Rsa1.0.00189.1	1412	111830	0	1104	1139	96 -	280	1412	70287	71425
UN20785	Rsa1.0.00394.1	1348	148426	0	539	567	95 -	793	1348	135128	135689

UN20786	Rsa1.0.03220.1	1180	24536	0	1168	1178	99 -	3	1180	12496	13673
UN20787	Rsa1.0.00458.1	1128	82717	0	460	466	98 -	3	467	32223	32688
UN20788	Rsa1.0.02874.1	983	27070	1.00E-111	215	217	99 +	3	218	1674	1890
UN20789	Rsa1.0.01412.1	877	46311	0	508	541	93 +	349	876	6349	6884
UN20790	Rsa1.0.00662.1	985	192183	1.00E-167	397	431	92 +	571	982	2200	2630
UN20791	Rsa1.0.00586.1	1043	163802	0	543	558	97 +	3	560	145622	146177
UN20792	Rsa1.0.01110.1	1451	195852	2.00E-80	171	177	96 -	1264	1440	173678	173854
UN20793	Rsa1.0.03514.1	806	22346	0	344	350	98 -	457	806	18722	19071
UN20794	Rsa1.0.21003.1	1499	1246	0	429	431	99 +	106	536	1	431
UN20795	Rsa1.0.02107.1	1480	34940	0	464	464	100 +	5	468	4870	5333
UN20796	Rsa1.0.09517.1	1217	6319	0	684	708	96 -	159	863	2293	3000
UN20797	Rsa1.0.08949.1	897	6759	1.00E-12	83	100	83 -	91	190	6313	6400
UN20798	Rsa1.0.02231.1	919	33661	0	476	484	98 -	436	919	15670	16153
UN20799	Rsa1.0.01469.1	1110	45139	1.00E-177	315	315	100 +	3	317	20524	20838
UN20800	Rsa1.0.00262.1	995	101906	1.00E-162	299	302	99 -	690	991	55567	55868
UN20801	Rsa1.0.00107.1	993	431659	0	505	520	97 -	482	993	165640	166159
UN20802	Rsa1.0.19089.1	1128	1481	0	511	516	99 +	614	1128	886	1401
UN20803	Rsa1.0.09255.1	1026	6525	0	697	697	100 -	1	697	1257	1953
UN20804	Rsa1.0.00937.1	1322	59061	0	354	362	97 +	694	1055	13645	14006
UN20805	Rsa1.0.05618.1	677	13165	2.33E-156	395	431	91 +	1	420	6671	7091
UN20806	Rsa1.0.00004.1	1080	253996	0	719	757	94 +	1	747	69018	69773
UN20807	Rsa1.0.02975.1	497	26322	1.00E-134	245	246	99 -	10	255	23332	23577
UN20808	Rsa1.0.05692.1	1847	12914	0	639	658	97 +	1	649	4871	5528
UN20809	Rsa1.0.00176.1	858	240984	1.00E-131	238	238	100 +	620	857	219890	220127
UN20810	Rsa1.0.01234.1	679	50183	1.00E-165	301	303	99 -	121	423	20599	20901
UN20811	Rsa1.0.05156.1	1208	14648	0	540	541	99 -	283	823	10618	11158
UN20812	Rsa1.0.00015.1	1323	561803	0	417	422	98 +	5	426	178692	179113
UN20813	Rsa1.0.00041.1	995	186197	1.00E-172	359	374	95 -	3	375	70808	71180
UN20814	Rsa1.0.00504.1	1097	79334	0	1087	1097	99 +	2	1097	75249	76344
UN20815	Rsa1.0.01299.1	987	162028	0	969	986	98 -	1	986	4579	5564
UN20816	Rsa1.0.00033.1	1408	515811	0	1164	1196	97 +	217	1408	391469	392660
UN20817	Rsa1.0.01622.1	945	42071	0	938	943	99 -	3	944	1160	2102
UN20818	Rsa1.0.00754.1	1128	65689	0	743	764	97 -	4	761	53718	54481
UN20819	Rsa1.0.04249.1	956	18269	1.00E-175	359	373	96 +	2	371	4457	4827
UN20820	Rsa1.0.02937.1	912	26605	0	340	341	99 -	1	340	9814	10154
UN20821	Rsa1.0.06864.1	1222	10240	1.00E-176	394	424	92 -	2	418	5823	6233
UN20822	Rsa1.0.00067.1	1887	415055	0	711	760	93 +	994	1744	227438	228184
UN20823	Rsa1.0.29309.1	1228	786	1.00E-155	278	278	100 +	489	766	344	621
UN20824	Rsa1.0.03664.1	1065	21487	0	361	367	98 +	2	368	3076	3441

UN20825	Rsa1.0.00470.1	748	81968	0	721	749	96 +	3	748	78045	78790
UN20826	Rsa1.0.00401.1	1104	244410	1.00E-174	368	385	95 -	3	384	30107	30491
UN20827	Rsa1.0.01926.1	1056	37206	0	614	627	97 +	48	674	13108	13734
UN20828	Rsa1.0.01523.1	1406	43959	8.00E-46	260	305	85 -	1113	1406	1851	2146
UN20829	Rsa1.0.01112.1	1308	310601	0	611	653	93 +	3	639	44288	44925
UN20830	Rsa1.0.00816.1	1257	403350	0	587	591	99 +	667	1257	251526	252116
UN20831	Rsa1.0.00101.1	964	267193	0	929	947	98 -	18	964	103627	104560
UN20832	Rsa1.0.00257.1	1151	102407	0	572	581	98 +	4	582	65673	66248
UN20833	Rsa1.0.04413.1	1533	17481	0	818	824	99 +	1	821	9869	10692
UN20834	Rsa1.0.02983.1	525	26268	1.00E-102	256	273	93 -	256	525	442	709
UN20835	Rsa1.0.00236.1	897	104771	0	504	519	97 -	383	897	83309	83827
UN20836	Rsa1.0.00533.1	1409	77375	0	388	397	97 +	1	397	43143	43539
UN20837	Rsa1.0.00155.1	1396	118465	0	605	617	98 +	498	1114	12377	12993
UN20838	Rsa1.0.00216.1	1545	197563	0	377	377	100 -	1166	1542	11068	11444
UN20839	Rsa1.0.00748.1	1371	65983	1.00E-139	298	315	94 -	1064	1369	14260	14574
UN20840	Rsa1.0.01237.1	1679	50124	0	655	659	99 -	3	661	32744	33401
UN20841	Rsa1.0.00442.1	1729	84596	0	518	520	99 +	1209	1728	19753	20272
UN20842	Rsa1.0.01573.1	1113	42964	0	473	508	93 +	12	504	14934	15436
UN20843	Rsa1.0.00048.1	1218	167185	0	1185	1222	96 +	1	1218	125129	126337
UN20844	Rsa1.0.01853.1	797	147800	0	789	795	99 -	3	797	27663	28457
UN20845	Rsa1.0.03239.1	1216	24430	0	418	418	100 +	3	420	10882	11299
UN20846	Rsa1.0.07058.1	541	9964	0	526	542	97 +	3	541	5540	6079
UN20847	Rsa1.0.03332.1	944	23665	0	925	947	97 +	1	944	12926	13872
UN20848	Rsa1.0.01718.1	238	40389	1.00E-129	237	238	99 -	1	238	35329	35566
UN20849	Rsa1.0.07408.1	765	9445	0	414	418	99 -	348	765	6023	6440
UN20850	Rsa1.0.01452.1	988	45459	0	553	553	100 -	436	988	20359	20911
UN20851	Rsa1.0.01913.1	1526	37363	0	845	849	99 +	130	978	22007	22854
UN20852	Rsa1.0.00522.1	1499	78103	0	698	699	99 +	801	1499	51939	52637
UN20853	Rsa1.0.00221.1	1708	106972	0	867	873	99 +	607	1479	30142	31014
UN20854	Rsa1.0.00330.1	1137	94666	0	353	353	100 +	784	1136	26086	26438
UN20855	Rsa1.0.16660.1	1410	2073	1.00E-169	334	345	96 +	1075	1408	645	989
UN20856	Rsa1.0.00064.1	1389	240927	0	404	408	99 -	307	714	47280	47687
UN20857	Rsa1.0.00460.1	1149	206387	0	605	606	99 -	542	1147	17656	18261
UN20858	Rsa1.0.00144.1	1383	120708	0	827	866	95 -	1	852	25501	26362
UN20859	Rsa1.0.00251.1	1595	303968	0	1351	1390	97 +	213	1595	8338	9722
UN20860	Rsa1.0.00453.1	1373	83031	1.00E-147	329	344	95 +	1037	1373	73766	74105
UN20861	Rsa1.0.00069.1	1729	403561	1.00E-140	334	357	93 +	1375	1729	177753	178103
UN20862	Rsa1.0.03523.1	1154	22299	0	345	346	99 +	809	1154	10142	10487
UN20863	Rsa1.0.00070.1	962	150321	1.00E-119	265	279	94 -	6	280	1	279

UN20864	Rsa1.0_00045.1	832	328694	5.00E-92	312	356	87 -	402	755	133104	133459
UN20865	Rsa1.0_00003.1	960	340054	0	605	641	94 -	326	960	16046	16685
UN20866	Rsa1.0_39807.1	2166	564	0	459	470	97 -	672	1141	1	463
UN20867	Rsa1.0_00797.1	1762	63959	0	682	682	100 +	224	905	9991	10672
UN20868	Rsa1.0_03663.1	1893	21488	1.00E-136	250	251	99 +	530	780	12839	13089
UN20869	Rsa1.0_02125.1	1786	34775	0	863	864	99 +	216	1079	20554	21417
UN20870	Rsa1.0_04510.1	1826	17033	0	347	348	99 +	1479	1826	12403	12750
UN20871	Rsa1.0_00715.1	1315	67116	0	552	553	99 -	3	555	14847	15399
UN20872	Rsa1.0_00040.1	2241	324196	0	1202	1267	94 +	884	2141	239506	240758
UN20873	Rsa1.0_01016.1	994	181422	0	517	537	96 +	459	994	27020	27553
UN20874	Rsa1.0_23894.1	1307	1018	0	437	449	97 +	516	955	555	1003
UN20875	Rsa1.0_00556.1	1349	207212	0	590	633	93 -	3	625	18791	19419
UN20876	Rsa1.0_00132.1	1470	124299	0	1184	1221	96 +	1	1217	55761	56980
UN20877	Rsa1.0_00051.1	1216	258225	0	1148	1209	94 +	3	1192	88776	89968
UN20878	Rsa1.0_00382.1	1027	251946	0	475	497	95 -	3	499	173998	174480
UN20879	Rsa1.0_00480.1	743	81325	1.00E-154	286	289	98 +	3	291	619	907
UN20880	Rsa1.0_00788.1	1643	64237	0	495	497	99 +	1147	1643	34653	35149
UN20881	Rsa1.0_03560.1	1182	22092	1.00E-173	348	360	96 +	387	745	2543	2902
UN20882	Rsa1.0_00342.1	1306	93695	0	413	422	97 +	885	1306	35893	36314
UN20883	Rsa1.0_01661.1	971	41400	0	826	832	99 -	116	947	32126	32957
UN20884	Rsa1.0_02144.1	1483	34630	0	407	420	96 +	1018	1427	2872	3291
UN20885	Rsa1.0_01461.1	1486	45240	0	1460	1491	97 +	3	1479	26105	27595
UN20886	Rsa1.0_01857.1	1610	38103	1.00E-121	288	306	94 -	1294	1594	8868	9166
UN20887	Rsa1.0_14912.1	875	2970	1.00E-141	323	343	94 +	532	873	1944	2285
UN20888	Rsa1.0_01467.1	1035	45161	1.00E-171	343	352	97 +	684	1035	15493	15840
UN20889	Rsa1.0_00002.1	1280	601661	0	1081	1092	98 -	1	1092	574057	575148
UN20890	Rsa1.0_00391.1	1011	183853	0	522	538	97 +	342	879	64159	64696
UN20891	Rsa1.0_00273.1	2392	326186	0	628	631	99 +	1321	1951	307454	308084
UN20892	Rsa1.0_02086.1	1495	35198	0	378	379	99 +	974	1352	18885	19263
UN20893	Rsa1.0_20065.1	976	1346	0	973	976	99 +	1	974	308	1283
UN20894	Rsa1.0_00784.1	1134	64359	0	462	468	98 -	83	550	36891	37357
UN20895	Rsa1.0_02412.1	728	31643	0	416	419	99 +	293	711	4832	5250
UN20896	Rsa1.0_02143.1	1807	34632	0	1572	1601	98 +	215	1807	13061	14658
UN20897	Rsa1.0_00944.1	1082	58733	4.00E-87	170	172	98 -	876	1047	58562	58733
UN20898	Rsa1.0_01310.1	1707	164719	0	618	665	92 -	999	1657	8733	9391
UN20899	Rsa1.0_00290.1	929	225096	0	787	798	98 +	110	907	216554	217349
UN20900	Rsa1.0_01840.1	871	38449	0	434	437	99 -	435	871	15086	15522
UN20901	Rsa1.0_18686.1	873	1552	0	416	420	99 -	1	419	1	419
UN20902	Rsa1.0_00274.1	1304	210119	0	594	597	99 -	576	1172	188576	189172

UN20903	Rsa1.0.01796.1	1221	39154	0	368	371	99 -	1	371	38212	38580
UN20904	Rsa1.0.00838.1	1993	153820	0	685	707	96 -	3	708	11067	11766
UN20905	Rsa1.0.00092.1	1395	659932	0	342	344	99 -	1	344	154977	155320
UN20906	Rsa1.0.01172.1	721	51734	0	355	362	98 +	359	720	9538	9897
UN20907	Rsa1.0.01112.1	1494	310601	0	372	375	99 +	1120	1494	292804	293178
UN20908	Rsa1.0.00152.1	920	257730	0	810	914	88 -	5	886	201925	202807
UN20909	Rsa1.0.13535.1	1352	4747	3.00E-76	159	163	97 +	1183	1341	4585	4747
UN20910	Rsa1.0.00176.1	2292	240984	1.00E-124	330	359	91 -	1827	2174	134591	134947
UN20911	Rsa1.0.00422.1	601	86144	0	444	470	94 +	139	601	16094	16562
UN20912	Rsa1.0.19162.1	774	1471	1.00E-137	257	260	98 -	1	260	686	945
UN20913	Rsa1.0.02064.1	981	35476	1.00E-153	308	317	97 -	3	318	9518	9831
UN20914	Rsa1.0.00287.1	1206	98687	1.00E-132	287	301	95 -	16	312	46610	46910
UN20915	Rsa1.0.02226.1	1658	33726	1.00E-149	322	334	96 -	1208	1536	12287	12618
UN20916	Rsa1.0.00780.1	1206	147795	1.00E-113	278	300	92 +	878	1175	16309	16604
UN20917	Rsa1.0.01803.1	1058	173846	0	409	420	97 +	641	1058	31867	32278
UN20918	Rsa1.0.00318.1	1590	96094	1.00E-125	264	273	96 +	1319	1590	79852	80123
UN20919	Rsa1.0.07565.1	784	9122	0	358	366	97 +	319	682	4285	4650
UN20920	Rsa1.0.02955.1	1001	26484	1.00E-129	244	247	98 +	3	249	12164	12410
UN20921	Rsa1.0.00541.1	930	76863	1.00E-112	271	292	92 -	626	916	9062	9341
UN20922	Rsa1.0.55015.1	930	415	0	405	417	97 +	3	419	2	415
UN20923	Rsa1.0.02398.1	1142	31766	0	503	526	95 +	615	1131	29879	30404
UN20924	Rsa1.0.00804.1	905	63726	0	608	620	98 -	286	905	2253	2870
UN20925	Rsa1.0.14003.1	1351	3930	0	386	396	97 +	960	1351	2895	3290
UN20926	Rsa1.0.00354.1	1318	232005	0	486	497	97 +	12	502	13044	13540
UN20927	Rsa1.0.02407.1	1021	31684	0	513	525	97 -	481	1003	9279	9801
UN20928	Rsa1.0.00810.1	910	63289	0	627	636	98 +	94	726	5220	5855
UN20929	Rsa1.0.00975.1	1093	57865	0	678	681	99 +	3	683	5590	6270
UN20930	Rsa1.0.16875.1	759	2005	1.00E-165	315	321	98 +	160	477	542	862
UN20931	Rsa1.0.03016.1	685	26000	0	680	688	98 -	1	685	4836	5523
UN20932	Rsa1.0.31506.1	1044	725	0	625	678	92 +	385	1044	1	665
UN20933	Rsa1.0.01322.1	1608	48166	1.00E-171	384	399	96 -	1222	1608	9660	10058
UN20934	Rsa1.0.09130.1	705	6623	0	627	647	96 -	41	686	3395	4035
UN20935	Rsa1.0.05277.1	1199	14284	1.00E-145	262	262	100 +	272	533	7247	7508
UN20936	Rsa1.0.03627.1	739	21658	1.00E-113	240	249	96 +	3	250	5081	5326
UN20937	Rsa1.0.00527.1	1095	77733	1.00E-179	360	375	96 -	718	1092	57464	57830
UN20938	Rsa1.0.01081.1	1428	499226	0	1188	1190	99 +	1	1190	18432	19621
UN20939	Rsa1.0.01580.1	1423	42852	0	354	357	99 +	1067	1423	24650	25006
UN20940	Rsa1.0.00150.1	1491	154416	0	786	828	94 -	3	805	63284	64108
UN20941	Rsa1.0.02225.1	1605	33738	1.00E-163	292	292	100 -	1312	1603	29527	29818

UN20942	Rsa1.0_02645.1	1382	29158	0	836	857	97 -	471	1327	17552	18408
UN20943	Rsa1.0_13239.1	1325	4960	0	507	508	99 -	818	1325	3168	3675
UN20944	Rsa1.0_00139.1	752	357786	0	512	524	97 -	1	524	128608	129131
UN20945	Rsa1.0_00204.1	1347	109056	1.00E-155	282	283	99 -	1065	1347	50919	51201
UN20946	Rsa1.0_00600.1	1294	73395	0	740	764	96 +	214	977	28584	29341
UN20947	Rsa1.0_01895.1	987	37512	1.00E-176	391	416	93 +	577	985	10218	10633
UN20948	Rsa1.0_02596.1	853	29709	1.00E-100	189	190	99 +	79	268	310	499
UN20949	Rsa1.0_00194.1	974	110851	1.00E-156	308	318	96 -	3	320	74269	74580
UN20950	Rsa1.0_00074.1	1240	147591	0	603	637	94 +	1	631	127788	128423
UN20951	Rsa1.0_00501.1	880	79545	0	632	654	96 -	224	877	21557	22210
UN20952	Rsa1.0_00998.1	1055	57168	1.00E-161	298	301	99 -	1	301	18161	18461
UN20953	Rsa1.0_01753.1	1073	39794	0	843	861	97 -	1	854	10586	11443
UN20954	Rsa1.0_04768.1	571	16066	1.00E-172	307	307	100 -	265	571	14728	15034
UN20955	Rsa1.0_08259.1	1022	7641	1.00E-104	285	316	90 +	717	1022	6833	7147
UN20956	Rsa1.0_00376.1	1050	90101	0	500	517	96 -	1	514	49557	50063
UN20957	Rsa1.0_00131.1	508	432233	0	431	440	97 +	70	508	269799	270238
UN20958	Rsa1.0_16138.1	1004	2268	0	657	671	97 +	336	1004	1266	1933
UN20959	Rsa1.0_01351.1	1058	47498	0	403	411	98 -	531	941	1391	1801
UN20960	Rsa1.0_00951.1	758	164588	1.00E-147	335	356	94 +	400	753	114506	114860
UN20961	Rsa1.0_02289.1	1533	32981	0	1095	1123	97 +	421	1533	22168	23282
UN20962	Rsa1.0_00031.1	823	179862	0	485	526	92 +	3	513	165901	166408
UN20963	Rsa1.0_00139.1	874	357786	0	664	688	96 +	199	874	263175	263859
UN20964	Rsa1.0_00197.1	1406	109714	0	453	460	98 -	537	996	24337	24796
UN20965	Rsa1.0_07321.1	881	9559	1.00E-180	387	404	95 -	446	842	4925	5326
UN20966	Rsa1.0_02367.1	1096	32106	0	894	898	99 -	199	1096	11098	11995
UN20967	Rsa1.0_02322.1	1502	32555	0	646	650	99 +	1	650	4720	5369
UN20968	Rsa1.0_00428.1	1540	85599	0	425	428	99 +	3	430	62630	63057
UN20969	Rsa1.0_01026.1	998	171624	0	779	800	97 +	4	792	3016	3813
UN20970	Rsa1.0_00169.1	1264	274298	1.00E-161	336	353	95 -	909	1261	267848	268191
UN20971	Rsa1.0_01707.1	1346	40686	1.00E-164	335	348	96 -	144	488	5127	5474
UN20972	Rsa1.0_05955.1	1721	12115	0	555	566	98 -	1156	1721	618	1181
UN20973	Rsa1.0_02237.1	716	33544	1.00E-64	132	134	98 -	583	716	7832	7965
UN20974	Rsa1.0_03826.1	1030	20614	0	569	592	96 -	456	1029	3380	3971
UN20975	Rsa1.0_00817.1	843	62961	0	409	417	98 -	432	842	31882	32298
UN20976	Rsa1.0_01933.1	492	37172	0	342	342	100 +	149	490	2756	3097
UN20977	Rsa1.0_00576.1	769	178949	2.00E-85	179	185	96 +	335	519	3257	3441
UN20978	Rsa1.0_00054.1	1656	162053	0	723	772	93 +	662	1407	15265	16036
UN20979	Rsa1.0_02375.1	1154	32026	0	822	823	99 +	330	1152	28994	29816
UN20980	Rsa1.0_00690.1	928	140527	0	420	426	98 +	502	927	25984	26409

UN20981	Rsa1.0_04470.1	1700	17204	0	929	949	97 -	752	1700	10806	11754
UN20982	Rsa1.0_01010.1	1414	56906	0	610	628	97 +	4	631	26027	26654
UN20983	Rsa1.0_02374.1	942	32043	0	839	888	94 -	40	920	24674	25557
UN20984	Rsa1.0_01568.1	1344	43077	0	586	604	97 +	646	1248	40930	41533
UN20985	Rsa1.0_01295.1	899	49040	1.00E-140	283	293	96 -	606	898	15447	15739
UN20986	Rsa1.0_08386.1	578	7438	0	382	382	100 -	1	382	516	897
UN20987	Rsa1.0_00507.1	1506	79074	0	482	516	93 +	991	1499	59842	60352
UN20988	Rsa1.0_00161.1	1348	116891	0	516	541	95 +	702	1242	26063	26603
UN20989	Rsa1.0_00745.1	771	66067	9.00E-69	165	175	94 -	341	515	54350	54521
UN20990	Rsa1.0_00307.1	1019	199003	0	432	432	100 -	353	784	6619	7050
UN20991	Rsa1.0_02662.1	1493	28956	0	1114	1173	94 -	11	1169	8640	9810
UN20992	Rsa1.0_00141.1	784	121494	1.00E-140	262	265	98 +	1	265	29559	29823
UN20993	Rsa1.0_02071.1	825	35409	1.00E-131	260	266	97 -	8	268	7713	7978
UN20994	Rsa1.0_00410.1	1018	86957	0	426	429	99 -	590	1018	39615	40043
UN20995	Rsa1.0_01591.1	1600	42718	0	1122	1125	99 +	476	1600	31723	32846
UN20996	Rsa1.0_01147.1	1225	52391	3.00E-76	146	146	100 -	785	930	46884	47029
UN20997	Rsa1.0_00261.1	1383	151157	0	577	582	99 +	801	1382	67571	68152
UN20998	Rsa1.0_00712.1	1315	67217	0	836	868	96 +	448	1315	40531	41393
UN20999	Rsa1.0_01281.1	1315	49313	1.00E-135	262	268	97 -	249	516	36376	36643
UN21000	Rsa1.0_00746.1	1205	66044	1.00E-164	306	310	98 +	208	517	21064	21373
UN21001	Rsa1.0_01660.1	753	41400	1.00E-109	336	375	89 +	382	753	32286	32646
UN21002	Rsa1.0_05156.1	2026	14648	0	526	541	97 -	250	790	10618	11158
UN21003	Rsa1.0_04092.1	1738	19128	0	711	716	99 -	231	946	5972	6687
UN21004	Rsa1.0_01145.1	1136	149247	0	628	632	99 -	504	1135	116649	117279
UN21005	Rsa1.0_00158.1	1118	117999	1.00E-121	258	268	96 +	737	1003	14489	14754
UN21006	Rsa1.0_00892.1	765	60703	0	554	571	97 +	193	759	53100	53668
UN21007	Rsa1.0_00398.1	1317	88007	0	534	538	99 -	780	1317	40978	41515
UN21008	Rsa1.0_00288.1	919	98659	1.00E-126	268	278	96 +	587	863	52520	52796
UN21009	Rsa1.0_02524.1	1456	30496	0	483	484	99 -	2	485	145	628
UN21010	Rsa1.0_00065.1	1763	454616	0	1746	1758	99 -	3	1760	4384	6141
UN21011	Rsa1.0_04192.1	1077	18572	0	749	752	99 -	326	1076	17005	17756
UN21012	Rsa1.0_01046.1	590	152989	0	556	563	98 -	27	588	118622	119184
UN21013	Rsa1.0_01553.1	1502	43379	1.00E-111	210	212	99 +	1289	1500	10545	10756
UN21014	Rsa1.0_09859.1	566	6115	0	362	366	98 +	126	491	5753	6115
UN21015	Rsa1.0_00208.1	1122	108565	1.00E-170	395	424	93 +	47	449	59720	60138
UN21016	Rsa1.0_00179.1	1216	393324	0	385	386	99 +	3	388	200031	200416
UN21017	Rsa1.0_04070.1	1380	19244	1.00E-163	376	403	93 +	2	392	10674	11071
UN21018	Rsa1.0_01093.1	947	54312	1.00E-119	394	452	87 -	159	610	26474	26922
UN21019	Rsa1.0_04323.1	1114	17915	1.00E-161	295	297	99 +	1	297	13888	14184

UN21020	Rsa1.0.09772.1	1263	6158	0	610	632	96 -	101	732	2718	3330
UN21021	Rsa1.0.00328.1	989	224661	0	858	863	99 -	125	987	130925	131787
UN21022	Rsa1.0.00253.1	661	231292	0	620	621	99 -	38	658	153606	154226
UN21023	Rsa1.0.00281.1	773	99908	1.00E-106	254	273	93 -	1	259	4927	5199
UN21024	Rsa1.0.03027.1	1200	25883	0	1138	1184	96 +	1	1184	11253	12422
UN21025	Rsa1.0.02492.1	719	30859	0	328	328	100 -	1	328	12178	12505
UN21026	Rsa1.0.04028.1	1095	19493	1.00E-148	291	298	97 -	792	1089	2293	2588
UN21027	Rsa1.0.02672.1	717	28884	0	715	715	100 +	1	715	27398	28112
UN21028	Rsa1.0.01612.1	861	42255	0	849	858	98 -	2	859	29901	30755
UN21029	Rsa1.0.01704.1	856	40711	0	809	840	96 -	13	845	31947	32785
UN21030	Rsa1.0.00608.1	1500	172672	1.00E-132	272	280	97 -	607	884	117005	117284
UN21031	Rsa1.0.05758.1	1318	12721	0	492	501	98 +	818	1318	6823	7323
UN21032	Rsa1.0.00902.1	1080	60241	0	657	667	98 +	415	1078	16185	16851
UN21033	Rsa1.0.21309.1	2006	1216	0	582	592	98 +	205	796	257	848
UN21034	Rsa1.0.02688.1	977	28644	0	594	596	99 +	383	977	22913	23508
UN21035	Rsa1.0.04493.1	1721	17137	4.00E-79	202	217	93 -	1	216	4233	4441
UN21036	Rsa1.0.06303.1	999	11268	1.00E-179	343	350	98 +	1	348	9097	9446
UN21037	Rsa1.0.00878.1	1052	330303	0	399	410	97 +	1	406	9080	9489
UN21038	Rsa1.0.00180.1	1166	114581	0	415	422	98 -	4	425	111408	111829
UN21039	Rsa1.0.09160.1	1025	6599	0	360	367	98 -	228	594	1056	1422
UN21040	Rsa1.0.00326.1	1121	171955	1.00E-130	240	241	99 -	596	836	81729	81969
UN21041	Rsa1.0.00154.1	1416	189461	1.00E-129	298	317	94 +	5	319	129855	130164
UN21042	Rsa1.0.03925.1	1006	20025	0	996	1001	99 +	1	1001	12620	13620
UN21043	Rsa1.0.00050.1	1605	237174	0	1107	1111	99 +	495	1605	235465	236575
UN21044	Rsa1.0.01369.1	429	47127	0	364	376	96 +	1	376	8429	8803
UN21045	Rsa1.0.00279.1	1558	100039	1.00E-163	327	337	97 +	23	359	4343	4674
UN21046	Rsa1.0.00294.1	1225	144860	0	690	695	99 +	3	697	137138	137832
UN21047	Rsa1.0.03968.1	759	19804	1.00E-174	351	365	96 -	323	687	18663	19027
UN21048	Rsa1.0.00258.1	1145	102381	0	529	538	98 +	595	1132	85534	86068
UN21049	Rsa1.0.00163.1	1680	116847	0	1637	1679	97 +	3	1680	105790	107465
UN21050	Rsa1.0.01151.1	1130	52268	0	433	439	98 +	695	1130	50521	50957
UN21051	Rsa1.0.00206.1	1018	109040	1.00E-143	270	273	98 -	637	907	45096	45368
UN21052	Rsa1.0.01965.1	775	36698	1.00E-156	352	370	95 +	410	774	24177	24540
UN21053	Rsa1.0.17009.1	1552	1954	0	873	878	99 -	459	1336	721	1598
UN21054	Rsa1.0.00022.1	2122	200461	1.00E-156	293	297	98 -	1826	2122	123599	123895
UN21055	Rsa1.0.01866.1	1384	37961	0	605	605	100 -	778	1382	12324	12928
UN21056	Rsa1.0.00245.1	1194	103569	0	393	396	99 +	795	1190	47278	47673
UN21057	Rsa1.0.00251.1	810	303968	3.00E-96	189	191	98 +	3	192	124680	124870
UN21058	Rsa1.0.05878.1	1100	12344	1.00E-177	345	353	97 -	746	1098	8153	8501

UN21059	Rsa1.0_00067.1	1338	415055	1.00E-152	323	341	94 -	998	1338	78551	78877
UN21060	Rsa1.0_00767.1	1210	64980	0	1058	1096	96 +	117	1209	35067	36143
UN21061	Rsa1.0_00182.1	1706	142305	0	802	847	94 +	878	1706	35901	36743
UN21062	Rsa1.0_00302.1	878	97521	0	531	536	99 +	3	538	36872	37406
UN21063	Rsa1.0_00094.1	1271	139042	0	503	517	97 +	16	532	96094	96610
UN21064	Rsa1.0_00323.1	1354	159650	0	525	525	100 -	1	525	148152	148676
UN21065	Rsa1.0_34473.1	2182	656	0	361	363	99 -	1820	2182	294	656
UN21066	Rsa1.0_02358.1	1487	32213	1.00E-112	292	319	91 +	1177	1483	21989	22304
UN21067	Rsa1.0_17344.1	1928	1853	1.00E-94	183	185	98 +	343	527	1669	1853
UN21068	Rsa1.0_01288.1	1618	49188	0	1576	1616	97 -	3	1618	21822	23427
UN21069	Rsa1.0_02349.1	1203	32312	0	445	461	96 -	497	957	28306	28763
UN21070	Rsa1.0_00234.1	1282	197060	0	402	415	96 +	416	830	144150	144564
UN21071	Rsa1.0_00882.1	741	61249	0	700	705	99 +	1	705	52871	53575
UN21072	Rsa1.0_00123.1	919	325650	3.00E-87	197	207	95 +	418	622	251511	251717
UN21073	Rsa1.0_06113.1	1827	11721	0	885	902	98 +	926	1827	277	1175
UN21074	Rsa1.0_01945.1	1400	36989	0	1326	1400	94 +	3	1395	25729	27117
UN21075	Rsa1.0_02430.1	974	31506	0	597	597	100 -	275	871	12980	13576
UN21076	Rsa1.0_01974.1	1215	36583	0	388	388	100 +	554	941	12506	12893
UN21077	Rsa1.0_00967.1	1071	58049	0	816	838	97 -	231	1064	6424	7259
UN21078	Rsa1.0_02882.1	1405	27039	0	823	833	98 -	581	1405	10831	11663
UN21079	Rsa1.0_03127.1	1010	25191	0	963	966	99 +	2	967	22601	23564
UN21080	Rsa1.0_01190.1	649	194501	0	402	403	99 +	1	402	157914	158316
UN21081	Rsa1.0_02680.1	1530	28721	0	418	434	96 +	1	431	13540	13970
UN21082	Rsa1.0_28478.1	1292	814	0	776	779	99 -	396	1174	1	779
UN21083	Rsa1.0_01553.1	774	43379	5.00E-64	136	139	97 +	367	502	7679	7817
UN21084	Rsa1.0_00160.1	812	346678	1.00E-168	383	403	95 +	347	743	31620	32022
UN21085	Rsa1.0_00731.1	925	66638	1.00E-155	278	278	100 +	648	925	12178	12455
UN21086	Rsa1.0_19592.1	1168	1410	2.00E-92	249	271	91 -	854	1121	1	264
UN21087	Rsa1.0_00240.1	1157	104175	0	927	936	99 +	223	1157	57352	58286
UN21088	Rsa1.0_00896.1	733	60509	1.00E-107	198	198	100 +	536	733	50620	50817
UN21089	Rsa1.0_05938.1	1904	12173	0	1800	1849	97 +	59	1903	2089	3929
UN21090	Rsa1.0_00205.1	1174	193401	1.00E-171	327	333	98 +	843	1174	1291	1623
UN21091	Rsa1.0_00615.1	1140	72235	0	348	352	98 +	719	1070	26377	26727
UN21092	Rsa1.0_01971.1	720	36641	0	703	718	97 -	3	720	21019	21736
UN21093	Rsa1.0_02289.1	1978	32981	0	446	447	99 -	1533	1978	25079	25525
UN21094	Rsa1.0_00259.1	2270	163204	0	1823	1857	98 -	287	2138	154400	156255
UN21095	Rsa1.0_26967.1	2157	871	0	530	563	94 +	276	823	308	864
UN21096	Rsa1.0_00107.1	2183	431659	0	1102	1124	98 -	220	1342	299930	301052
UN21097	Rsa1.0_00737.1	1078	66432	0	436	437	99 -	642	1078	61612	62048

UN21098	Rsa1.0.05586.1	795	13263	0	468	475	98 +	1	475	9637	10111
UN21099	Rsa1.0.00627.1	1818	71566	0	350	350	100 +	2	351	50143	50492
UN21100	Rsa1.0.00361.1	1339	91181	0	1319	1339	98 -	5	1339	13812	15142
UN21101	Rsa1.0.02616.1	1884	29542	0	627	662	94 -	541	1202	1279	1931
UN21102	Rsa1.0.03268.1	1538	24197	0	1153	1161	99 -	379	1538	6823	7983
UN21103	Rsa1.0.00179.1	1191	393324	1.00E-170	304	304	100 -	181	484	47984	48287
UN21104	Rsa1.0.00331.1	572	176754	0	395	395	100 +	178	572	159068	159462
UN21105	Rsa1.0.01358.1	1421	47278	0	504	506	99 +	564	1069	6488	6993
UN21106	Rsa1.0.00212.1	1789	108350	0	1163	1288	90 +	375	1645	46098	47370
UN21107	Rsa1.0.00144.1	1042	120708	0	424	446	95 +	4	446	45131	45567
UN21108	Rsa1.0.00119.1	2280	467509	0	671	682	98 +	969	1650	55982	56663
UN21109	Rsa1.0.00634.1	1442	71222	0	406	414	98 +	1029	1442	45773	46184
UN21110	Rsa1.0.00065.1	1414	454616	0	463	466	99 -	4	469	213563	214028
UN21111	Rsa1.0.02259.1	1326	33299	0	494	499	98 -	3	501	515	1013
UN21112	Rsa1.0.00608.1	1185	172672	0	788	788	100 +	239	1026	3169	3956
UN21113	Rsa1.0.02099.1	1442	35030	0	438	449	97 +	996	1442	2291	2734
UN21114	Rsa1.0.00480.1	1344	81325	0	838	887	94 +	3	869	7037	7905
UN21115	Rsa1.0.00461.1	1292	82509	0	642	650	98 +	641	1289	54888	55535
UN21116	Rsa1.0.00266.1	762	163932	1.00E-95	193	198	97 +	459	656	7175	7372
UN21117	Rsa1.0.11955.1	1630	5361	1.00E-133	242	242	100 +	1389	1630	1531	1772
UN21118	Rsa1.0.06274.1	1962	11343	0	915	937	97 +	383	1319	9228	10164
UN21119	Rsa1.0.00025.1	870	277312	0	333	335	99 -	4	338	117609	117942
UN21120	Rsa1.0.01414.1	860	149508	1.00E-108	213	216	98 +	644	858	9517	9732
UN21121	Rsa1.0.01705.1	1419	40710	5.00E-84	171	175	97 -	304	478	12730	12904
UN21122	Rsa1.0.00213.1	914	108167	0	445	467	95 +	444	910	8309	8766
UN21123	Rsa1.0.00497.1	1156	79830	0	796	805	98 -	1	805	73170	73974
UN21124	Rsa1.0.01355.1	1085	47303	0	834	849	98 -	174	1021	41387	42235
UN21125	Rsa1.0.00554.1	772	150953	1.00E-110	249	261	95 -	1	261	121603	121859
UN21126	Rsa1.0.03959.1	903	19866	0	898	899	99 -	5	903	14869	15767
UN21127	Rsa1.0.00081.1	1495	143261	0	468	468	100 +	286	753	85804	86271
UN21128	Rsa1.0.02508.1	1277	30675	1.00E-125	306	326	93 +	144	463	1081	1405
UN21129	Rsa1.0.00080.1	1463	190437	0	624	648	96 +	816	1463	81407	82053
UN21130	Rsa1.0.02295.1	983	149884	1.00E-175	312	312	100 +	221	532	138280	138591
UN21131	Rsa1.0.02656.1	723	29018	1.00E-159	315	325	96 +	19	343	21953	22277
UN21132	Rsa1.0.01712.1	1205	154210	0	568	569	99 -	637	1205	28286	28853
UN21133	Rsa1.0.02648.1	1247	29073	0	363	372	97 +	876	1247	7184	7552
UN21134	Rsa1.0.00020.1	1126	283099	1.00E-170	319	323	98 +	1	321	29988	30310
UN21135	Rsa1.0.00571.1	844	329018	0	446	460	96 +	11	461	206037	206495
UN21136	Rsa1.0.00292.1	786	98141	1.00E-136	263	269	97 -	1	269	21932	22194

UN21137	Rsa1.0.07250.1	696	9663	0	519	556	93 +	1	536	6909	7463
UN21138	Rsa1.0.04224.1	1092	18402	0	468	478	97 -	2	478	703	1177
UN21139	Rsa1.0.02812.1	732	27660	0	437	439	99 +	1	439	3717	4155
UN21140	Rsa1.0.00326.1	1007	171955	1.00E-112	260	279	93 -	76	346	69916	70194
UN21141	Rsa1.0.01420.1	1531	46210	2.00E-71	180	194	92 +	1332	1525	5375	5568
UN21142	Rsa1.0.00734.1	920	66508	1.00E-154	292	296	98 -	624	918	55984	56279
UN21143	Rsa1.0.00085.1	1564	142226	0	1558	1564	99 +	1	1563	87790	89352
UN21144	Rsa1.0.01902.1	1387	37455	2.00E-24	140	167	83 -	353	519	32477	32643
UN21145	Rsa1.0.00924.1	751	59524	0	352	357	98 +	5	361	3343	3699
UN21146	Rsa1.0.00321.1	1126	95671	0	428	435	98 +	3	433	61441	61875
UN21147	Rsa1.0.00029.1	647	272992	0	642	650	98 -	1	647	261648	262297
UN21148	Rsa1.0.02505.1	728	30703	1.00E-180	406	432	93 -	6	436	21664	22085
UN21149	Rsa1.0.04522.1	860	16988	0	496	500	99 +	14	512	12908	13407
UN21150	Rsa1.0.00045.1	888	328694	0	574	579	99 +	1	579	261127	261705
UN21151	Rsa1.0.02187.1	856	34113	0	626	645	97 -	2	646	26133	26776
UN21152	Rsa1.0.10067.1	1579	6015	0	512	517	99 -	7	523	5286	5802
UN21153	Rsa1.0.02414.1	965	31625	0	566	574	98 +	3	571	29251	29824
UN21154	Rsa1.0.01219.1	1319	50527	0	1195	1285	92 +	48	1315	21460	22727
UN21155	Rsa1.0.07241.1	995	9675	1.00E-105	207	211	98 +	5	215	8894	9104
UN21156	Rsa1.0.00094.1	1698	139042	0	667	691	96 -	596	1283	25774	26463
UN21157	Rsa1.0.00699.1	857	184398	5.00E-77	302	355	85 -	269	614	127771	128125
UN21158	Rsa1.0.02070.1	1282	158516	1.00E-121	222	222	100 -	43	264	18729	18950
UN21159	Rsa1.0.01154.1	1299	52249	0	651	651	100 -	649	1299	3372	4022
UN21160	Rsa1.0.01123.1	2046	53359	0	612	629	97 -	55	683	21063	21688
UN21161	Rsa1.0.00007.1	1027	239325	1.00E-141	257	258	99 -	1	258	108905	109162
UN21162	Rsa1.0.07149.1	858	9824	0	447	452	98 -	411	858	794	1245
UN21163	Rsa1.0.00245.1	1093	103569	0	910	950	95 +	143	1091	11461	12385
UN21164	Rsa1.0.00286.1	702	98709	1.00E-112	218	222	98 +	48	269	23243	23464
UN21165	Rsa1.0.00480.1	1074	81325	0	417	420	99 -	654	1073	36845	37264
UN21166	Rsa1.0.27950.1	1765	833	0	646	664	97 -	765	1428	170	833
UN21167	Rsa1.0.06295.1	1151	140785	0	1147	1149	99 +	3	1151	4548	5696
UN21168	Rsa1.0.10770.1	1265	5723	1.00E-109	231	242	95 -	1022	1263	580	813
UN21169	Rsa1.0.02074.1	1135	35370	0	459	488	94 -	638	1121	12052	12527
UN21170	Rsa1.0.13816.1	1541	4270	1.00E-118	249	257	96 +	3	257	296	552
UN21171	Rsa1.0.01603.1	883	42468	0	476	485	98 -	3	486	17728	18212
UN21172	Rsa1.0.00027.1	1110	283362	0	588	623	94 -	493	1110	56385	57005
UN21173	Rsa1.0.02655.1	1323	29027	1.00E-105	208	211	98 -	464	673	13319	13529
UN21174	Rsa1.0.01739.1	1607	40068	0	534	545	97 +	166	710	22888	23432
UN21175	Rsa1.0.02306.1	1721	32776	0	836	863	96 -	38	900	20830	21692

UN21176	Rsa1.0_00788.1	1480	64237	0	1435	1481	96 +	4	1479	22275	23753
UN21177	Rsa1.0_01270.1	1816	49574	0	1057	1059	99 -	211	1269	26998	28056
UN21178	Rsa1.0_00301.1	884	365315	0	652	661	98 +	216	870	26031	26691
UN21179	Rsa1.0_08526.1	1250	7236	1.00E-161	358	383	93 +	883	1250	1300	1681
UN21180	Rsa1.0_00907.1	1357	60062	0	1305	1356	96 -	2	1357	48758	50112
UN21181	Rsa1.0_04658.1	1580	16487	1.00E-137	262	265	98 -	1317	1580	6920	7184
UN21182	Rsa1.0_00457.1	1083	337301	0	422	442	95 +	643	1083	142257	142697
UN21183	Rsa1.0_01591.1	851	42718	1.00E-137	256	258	99 +	594	851	16746	17001
UN21184	Rsa1.0_05984.1	1141	12031	1.00E-145	282	289	97 -	208	496	6099	6387
UN21185	Rsa1.0_00383.1	1136	398431	0	814	818	99 +	319	1135	4356	5173
UN21186	Rsa1.0_00053.1	1308	263459	0	589	593	99 -	617	1209	108391	108983
UN21187	Rsa1.0_00032.1	1017	306326	0	1000	1004	99 -	1	1004	270888	271891
UN21188	Rsa1.0_01785.1	926	39368	0	616	627	98 +	297	923	27136	27762
UN21189	Rsa1.0_03292.1	1312	23977	0	429	443	96 +	873	1312	20331	20771
UN21190	Rsa1.0_00127.1	1479	127446	0	505	532	94 -	911	1434	29921	30450
UN21191	Rsa1.0_00254.1	1436	102600	0	555	565	98 +	875	1436	47947	48510
UN21192	Rsa1.0_02589.1	1024	300828	0	488	494	98 +	3	496	15390	15883
UN21193	Rsa1.0_01315.1	1602	48361	1.00E-139	255	256	99 +	917	1172	24003	24258
UN21194	Rsa1.0_00073.1	1972	240924	0	1915	1983	96 -	4	1972	224990	226969
UN21195	Rsa1.0_04882.1	1420	15606	0	392	392	100 -	1	392	9519	9910
UN21196	Rsa1.0_01489.1	2041	44764	0	443	447	99 +	1597	2041	35635	36081
UN21197	Rsa1.0_19977.1	1384	1357	0	409	409	100 +	976	1384	54	462
UN21198	Rsa1.0_08220.1	900	7701	0	723	745	97 -	150	894	1954	2698
UN21199	Rsa1.0_01780.1	1225	39411	0	569	570	99 +	654	1223	36676	37245
UN21200	Rsa1.0_01434.1	1241	45951	0	357	358	99 -	884	1241	36274	36631
UN21201	Rsa1.0_00116.1	552	365886	0	547	553	98 +	3	552	137226	137778
UN21202	Rsa1.0_00094.1	1321	139042	1.00E-127	238	240	99 +	1082	1321	135915	136154
UN21203	Rsa1.0_02817.1	532	27644	0	519	532	97 -	3	532	13900	14431
UN21204	Rsa1.0_00100.1	1178	249232	0	670	673	99 -	506	1178	39845	40515
UN21205	Rsa1.0_06619.1	1977	10650	0	408	433	94 +	1185	1617	2133	2565
UN21206	Rsa1.0_02874.1	951	27070	0	557	583	95 -	367	947	26365	26943
UN21207	Rsa1.0_00497.1	1121	79830	0	343	345	99 +	777	1121	52219	52562
UN21208	Rsa1.0_02026.1	1440	35896	1.00E-131	238	238	100 -	935	1172	12795	13032
UN21209	Rsa1.0_01157.1	1573	52121	0	1519	1578	96 -	2	1573	44774	46348
UN21210	Rsa1.0_02791.1	1647	27832	0	459	498	92 -	1171	1644	8462	8959
UN21211	Rsa1.0_02244.1	1767	33494	1.00E-118	251	261	96 -	695	952	13146	13403
UN21212	Rsa1.0_02499.1	1284	30774	0	1086	1143	95 -	155	1273	4725	5863
UN21213	Rsa1.0_18990.1	697	1499	1.00E-110	243	255	95 -	3	253	485	737
UN21214	Rsa1.0_00044.1	759	271658	1.00E-156	304	312	97 -	1	312	188112	188423

UN21215	Rsa1.0.02333.1	662	32431	0	433	447	96 +	222	662	29979	30424
UN21216	Rsa1.0.00067.1	1689	415055	1.00E-175	333	339	98 -	3	341	244191	244527
UN21217	Rsa1.0.58913.1	1080	388	1.00E-108	223	230	96 -	650	876	1	230
UN21218	Rsa1.0.04933.1	927	15410	0	646	666	96 -	2	665	6309	6965
UN21219	Rsa1.0.00301.1	1250	365315	0	474	479	98 -	4	482	328732	329210
UN21220	Rsa1.0.00035.1	1208	176449	0	1191	1206	98 -	1	1206	83588	84791
UN21221	Rsa1.0.18326.1	1301	1620	0	951	959	99 -	335	1293	312	1270
UN21222	Rsa1.0.04161.1	691	18788	1.00E-157	281	281	100 +	410	690	2612	2892
UN21223	Rsa1.0.00160.1	1535	346678	0	410	417	98 -	783	1199	31620	32036
UN21224	Rsa1.0.17040.1	576	1944	0	388	399	97 -	18	413	1207	1605
UN21225	Rsa1.0.20028.1	1394	1350	1.00E-155	328	342	95 +	1054	1394	406	746
UN21226	Rsa1.0.19149.1	850	1472	1.00E-145	297	309	96 -	236	544	257	565
UN21227	Rsa1.0.03303.1	622	23890	1.00E-159	294	297	98 +	324	620	7044	7340
UN21228	Rsa1.0.02923.1	755	26736	1.00E-138	332	354	93 -	395	744	15753	16101
UN21229	Rsa1.0.03277.1	1417	24138	0	327	328	99 +	319	646	13549	13876
UN21230	Rsa1.0.00410.1	745	86957	1.00E-123	340	371	91 -	1	366	28659	29021
UN21231	Rsa1.0.00034.1	1255	260119	0	514	515	99 -	739	1253	129224	129738
UN21232	Rsa1.0.00638.1	1315	71037	0	706	729	96 -	22	750	36315	37038
UN21233	Rsa1.0.00009.1	1211	232558	1.00E-134	308	334	92 -	1	333	123926	124237
UN21234	Rsa1.0.01100.1	1218	54113	1.00E-127	258	264	97 +	954	1217	32751	33012
UN21235	Rsa1.0.00484.1	2237	203294	0	447	449	99 -	3	450	149773	150221
UN21236	Rsa1.0.01719.1	1388	40388	0	589	590	99 +	622	1211	1051	1640
UN21237	Rsa1.0.03131.1	801	25142	0	488	495	98 -	306	800	11236	11729
UN21238	Rsa1.0.03075.1	1384	25560	0	519	520	99 -	862	1381	16371	16890
UN21239	Rsa1.0.01282.1	746	49304	0	734	743	98 -	2	744	23421	24162
UN21240	Rsa1.0.00001.1	804	363028	0	775	796	97 -	1	793	144992	145784
UN21241	Rsa1.0.03384.1	980	23291	0	451	474	95 -	498	969	11505	11978
UN21242	Rsa1.0.01245.1	1132	149868	0	1103	1139	96 -	5	1132	20977	22114
UN21243	Rsa1.0.03142.1	943	25043	0	494	503	98 +	62	564	1430	1932
UN21244	Rsa1.0.04961.1	900	15316	1.00E-154	308	316	97 +	585	900	3669	3981
UN21245	Rsa1.0.01121.1	729	53407	1.00E-120	228	231	98 +	73	303	23305	23535
UN21246	Rsa1.0.00042.1	802	171507	0	526	542	97 +	5	541	55339	55880
UN21247	Rsa1.0.01824.1	987	38733	0	394	394	100 -	594	987	7630	8023
UN21248	Rsa1.0.00556.1	891	207212	9.00E-94	184	187	98 -	99	285	139064	139250
UN21249	Rsa1.0.01926.1	1324	37206	0	414	416	99 -	65	480	17508	17923
UN21250	Rsa1.0.03668.1	630	21483	0	476	480	99 -	1	480	11438	11917
UN21251	Rsa1.0.01248.1	949	154103	1.00E-155	318	329	96 +	1	326	10528	10856
UN21252	Rsa1.0.00029.1	1067	272992	0	373	384	97 +	6	385	10187	10568
UN21253	Rsa1.0.01305.1	1448	48730	1.00E-139	252	252	100 -	332	583	13231	13482

UN21254	Rsa1.0_00762.1	545	165246	7.00E-81	231	252	91 -	1	248	27108	27358
UN21255	Rsa1.0_01896.1	671	37512	1.00E-141	325	343	94 -	336	671	35303	35644
UN21256	Rsa1.0_00009.1	1645	232558	0	696	716	97 +	929	1643	28719	29432
UN21257	Rsa1.0_00632.1	643	183777	2.00E-88	191	198	96 +	1	198	55992	56188
UN21258	Rsa1.0_00682.1	1523	68680	0	643	653	98 -	3	654	37867	38516
UN21259	Rsa1.0_00027.1	673	283362	0	346	351	98 -	323	673	48195	48544
UN21260	Rsa1.0_00759.1	947	65465	1.00E-145	324	346	93 +	3	335	61787	62132
UN21261	Rsa1.0_00377.1	1410	90038	1.00E-139	351	384	91 +	1	372	51756	52136
UN21262	Rsa1.0_00821.1	1308	62891	0	602	612	98 -	19	627	50456	51067
UN21263	Rsa1.0_03238.1	647	24432	4.00E-92	206	218	94 +	437	647	18219	18436
UN21264	Rsa1.0_05542.1	804	13384	1.00E-136	266	272	97 -	1	272	9977	10245
UN21265	Rsa1.0_01750.1	811	39816	1.00E-168	347	361	96 -	21	381	22530	22886
UN21266	Rsa1.0_01394.1	846	46641	0	662	663	99 +	1	663	21768	22430
UN21267	Rsa1.0_06054.1	791	11847	0	431	446	96 -	1	439	11033	11477
UN21268	Rsa1.0_01403.1	1043	46453	0	640	661	96 -	3	660	25846	26502
UN21269	Rsa1.0_00034.1	660	260119	0	611	627	97 -	35	660	32837	33459
UN21270	Rsa1.0_00192.1	633	278200	0	401	412	97 +	222	633	22625	23030
UN21271	Rsa1.0_02963.1	751	26407	1.00E-131	241	242	99 -	503	744	3767	4008
UN21272	Rsa1.0_01068.1	946	55208	0	332	333	99 -	612	944	4996	5328
UN21273	Rsa1.0_00215.1	780	201775	0	410	429	95 -	15	441	24023	24441
UN21274	Rsa1.0_00140.1	1748	121541	1.00E-158	346	366	94 -	107	472	49081	49443
UN21275	Rsa1.0_00457.1	1087	337301	1.00E-169	301	301	100 -	276	576	288997	289297
UN21276	Rsa1.0_00001.1	1305	363028	1.00E-121	293	310	94 -	14	316	319592	319899
UN21277	Rsa1.0_00953.1	1707	145012	0	665	670	99 -	1035	1704	97122	97791
UN21278	Rsa1.0_07614.1	935	9019	1.00E-112	256	270	94 -	2	270	8150	8418
UN21279	Rsa1.0_04192.1	813	18572	0	564	608	92 +	125	732	12259	12866
UN21280	Rsa1.0_00480.1	1033	81325	0	463	478	96 +	3	480	28254	28728
UN21281	Rsa1.0_00381.1	786	89718	1.00E-100	261	286	91 +	500	783	47421	47693
UN21282	Rsa1.0_00475.1	1450	81678	0	480	496	96 -	1	496	39554	40049
UN21283	Rsa1.0_59564.1	1045	384	0	379	384	98 -	5	388	1	384
UN21284	Rsa1.0_00388.1	959	88890	0	389	410	94 -	2	408	56221	56621
UN21285	Rsa1.0_01768.1	1243	138463	0	445	455	97 -	55	506	104192	104646
UN21286	Rsa1.0_01023.1	1037	56571	0	461	463	99 -	1	462	28175	28637
UN21287	Rsa1.0_02322.1	1167	32555	1.00E-150	288	293	98 -	19	309	3350	3642
UN21288	Rsa1.0_03089.1	974	25465	1.00E-180	356	368	96 +	510	877	8730	9097
UN21289	Rsa1.0_00913.1	1864	59914	0	1173	1205	97 -	661	1862	24373	25576
UN21290	Rsa1.0_03738.1	1164	21071	1.00E-147	268	269	99 -	311	579	12425	12693
UN21291	Rsa1.0_02901.1	708	26909	1.00E-167	301	302	99 -	1	302	21290	21591
UN21292	Rsa1.0_00365.1	653	90902	0	370	373	99 +	281	653	81720	82092

UN21293	Rsa1.0.00152.1	1321	257730	1.00E-135	286	298	95 -	1026	1321	98717	99012
UN21294	Rsa1.0.00192.1	974	278200	1.00E-134	243	243	100 -	730	972	16376	16618
UN21295	Rsa1.0.16093.1	1207	2288	0	619	624	99 +	356	978	1665	2288
UN21296	Rsa1.0.08288.1	671	7604	1.00E-166	300	301	99 +	371	671	4335	4635
UN21297	Rsa1.0.03209.1	1200	24592	0	464	478	97 +	2	477	17798	18274
UN21298	Rsa1.0.00838.1	1262	153820	0	965	979	98 +	1	979	14738	15715
UN21299	Rsa1.0.01389.1	692	46716	1.00E-162	308	314	98 +	189	502	10431	10744
UN21300	Rsa1.0.00913.1	748	59914	6.00E-73	155	160	96 -	235	394	29028	29187
UN21301	Rsa1.0.01611.1	926	42269	1.00E-156	316	328	96 -	254	581	25466	25793
UN21302	Rsa1.0.08609.1	771	7132	1.00E-150	318	333	95 -	437	769	4811	5142
UN21303	Rsa1.0.00102.1	538	135497	1.00E-130	244	247	98 +	292	538	51183	51429
UN21304	Rsa1.0.04026.1	822	19508	1.00E-137	307	322	95 -	5	322	11005	11325
UN21305	Rsa1.0.00130.1	958	125737	0	454	476	95 +	2	474	38131	38602
UN21306	Rsa1.0.00091.1	960	139699	1.00E-170	304	304	100 +	656	959	80286	80589
UN21307	Rsa1.0.39335.1	780	572	1.00E-166	336	347	96 +	417	760	11	356
UN21308	Rsa1.0.45980.1	502	491	1.00E-173	339	349	97 -	3	348	1	349
UN21309	Rsa1.0.05382.1	1261	13963	0	396	413	95 +	483	895	423	833
UN21310	Rsa1.0.00594.1	763	73729	1.00E-114	264	279	94 +	481	758	30039	30313
UN21311	Rsa1.0.02707.1	926	28520	1.00E-101	222	231	96 -	8	238	26163	26391
UN21312	Rsa1.0.02777.1	831	27986	1.00E-152	294	301	97 -	6	306	25025	25325
UN21313	Rsa1.0.01995.1	823	36347	0	527	553	95 -	3	546	22162	22714
UN21314	Rsa1.0.00153.1	613	192931	8.00E-72	201	219	91 +	25	239	168999	169210
UN21315	Rsa1.0.01236.1	1434	50156	0	524	526	99 +	907	1432	30684	31209
UN21316	Rsa1.0.02079.1	1254	35306	0	660	713	92 -	13	725	16536	17229
UN21317	Rsa1.0.00416.1	1094	86772	6.00E-83	199	213	93 -	823	1035	66646	66858
UN21318	Rsa1.0.00087.1	635	761073	1.00E-136	287	300	95 +	338	629	217289	217588
UN21319	Rsa1.0.04641.1	680	268012	1.00E-176	347	356	97 +	321	673	261466	261821
UN21320	Rsa1.0.01264.1	1377	49697	0	840	861	97 -	516	1376	15561	16421
UN21321	Rsa1.0.06133.1	1847	11663	0	532	539	98 +	1043	1581	9464	10002
UN21322	Rsa1.0.02550.1	1275	291051	1.00E-171	331	339	97 +	893	1231	6190	6525
UN21323	Rsa1.0.07732.1	877	8695	1.00E-164	355	372	95 -	3	368	1258	1626
UN21324	Rsa1.0.00727.1	1081	66724	1.00E-157	296	301	98 +	140	440	30137	30437
UN21325	Rsa1.0.00157.1	1292	245832	0	586	614	95 -	2	609	163052	163665
UN21326	Rsa1.0.75934.1	676	302	1.00E-169	302	302	100 -	320	621	1	302
UN21327	Rsa1.0.02950.1	667	26506	1.00E-128	269	281	95 -	213	493	6575	6855
UN21328	Rsa1.0.01934.1	831	37162	3.00E-78	149	149	100 -	566	714	4040	4188
UN21329	Rsa1.0.00826.1	924	166736	0	629	631	99 -	225	855	118767	119397
UN21330	Rsa1.0.03191.1	1383	145762	1.00E-129	248	251	98 -	1133	1383	8197	8446
UN21331	Rsa1.0.00483.1	1207	81102	1.00E-101	248	266	93 -	936	1200	56329	56592

UN21332	Rsa1.0.00546.1	553	76523	2.33E-156	331	353	93 +	209	553	69605	69957
UN21333	Rsa1.0.01214.1	824	50599	1.00E-157	311	319	97 +	3	318	44850	45167
UN21334	Rsa1.0.04192.1	859	18572	0	564	605	93 +	119	723	12259	12863
UN21335	Rsa1.0.02398.1	1146	31766	0	516	539	95 -	1	535	29879	30414
UN21336	Rsa1.0.04697.1	1380	16336	0	456	460	99 -	5	464	7245	7704
UN21337	Rsa1.0.01170.1	843	161131	1.00E-131	300	324	92 -	416	739	131513	131821
UN21338	Rsa1.0.00577.1	896	174827	0	770	790	97 +	1	789	29470	30259
UN21339	Rsa1.0.00222.1	733	172263	1.00E-122	238	243	97 +	469	711	139604	139846
UN21340	Rsa1.0.21783.1	872	1173	0	513	515	99 -	3	517	165	679
UN21341	Rsa1.0.15993.1	634	2329	0	408	414	98 +	221	634	1900	2310
UN21342	Rsa1.0.01564.1	1528	43169	1.00E-124	230	231	99 +	873	1103	37725	37955
UN21343	Rsa1.0.00329.1	1149	222544	0	451	468	96 +	3	459	175854	176318
UN21344	Rsa1.0.08994.1	1106	6724	0	596	599	99 +	79	677	2717	3315
UN21345	Rsa1.0.00001.1	886	363028	1.00E-154	277	277	100 +	3	279	89683	89959
UN21346	Rsa1.0.11760.1	1090	5417	0	412	412	100 -	352	763	5006	5417
UN21347	Rsa1.0.00065.1	892	454616	0	533	558	95 +	3	557	26159	26712
UN21348	Rsa1.0.02118.1	1380	34839	0	387	392	98 +	990	1380	7761	8152
UN21349	Rsa1.0.02834.1	710	27493	0	388	399	97 -	3	400	24287	24685
UN21350	Rsa1.0.08609.1	1364	7132	0	529	532	99 +	525	1056	5492	6023
UN21351	Rsa1.0.00758.1	1083	65477	1.00E-144	266	268	99 +	815	1082	49765	50032
UN21352	Rsa1.0.00939.1	1233	185227	0	1098	1157	94 -	75	1231	152983	154136
UN21353	Rsa1.0.00719.1	1117	66952	1.00E-152	298	306	97 -	351	656	46708	47013
UN21354	Rsa1.0.07693.1	778	8776	1.00E-142	343	372	92 -	286	657	7066	7437
UN21355	Rsa1.0.00380.1	737	89748	1.00E-138	339	368	92 +	372	737	88066	88417
UN21356	Rsa1.0.02499.1	1472	30774	0	355	362	98 +	52	413	17426	17787
UN21357	Rsa1.0.19197.1	841	1466	1.00E-119	239	246	97 +	3	248	1104	1349
UN21358	Rsa1.0.05784.1	1044	12643	0	418	427	97 +	617	1043	1645	2070
UN21359	Rsa1.0.05704.1	908	12883	0	608	623	97 -	284	906	2517	3136
UN21360	Rsa1.0.02499.1	896	30774	1.00E-156	298	303	98 +	1	303	22309	22610
UN21361	Rsa1.0.04286.1	1346	18084	0	550	561	98 -	576	1136	13076	13636
UN21362	Rsa1.0.10199.1	1006	5948	0	645	654	98 -	11	663	5187	5840
UN21363	Rsa1.0.00481.1	879	81316	1.00E-139	270	276	97 +	197	472	72152	72427
UN21364	Rsa1.0.00734.1	802	66508	1.00E-153	345	364	94 +	1	363	53538	53891
UN21365	Rsa1.0.01272.1	649	49553	0	598	639	93 +	13	649	18652	19270
UN21366	Rsa1.0.00478.1	826	81419	1.00E-178	319	320	99 -	1	320	62811	63130
UN21367	Rsa1.0.06978.1	610	10073	1.00E-156	291	295	98 -	80	374	2434	2728
UN21368	Rsa1.0.00065.1	871	454616	0	722	722	100 +	1	722	150650	151371
UN21369	Rsa1.0.00529.1	1160	77487	0	344	347	99 -	9	355	63127	63473
UN21370	Rsa1.0.00365.1	493	90902	1.00E-110	218	223	97 +	264	486	81720	81942

UN21371	Rsa1.0_03148.1	1094	24989	0	381	400	95 +	640	1039	21012	21408
UN21372	Rsa1.0_14660.1	1073	3181	1.00E-170	335	344	97 +	728	1071	2019	2361
UN21373	Rsa1.0_00473.1	821	212204	0	505	509	99 +	26	534	76191	76699
UN21374	Rsa1.0_07207.1	899	9720	1.00E-158	307	315	97 -	308	622	8629	8943
UN21375	Rsa1.0_00348.1	789	92818	1.00E-159	341	355	96 +	1	353	49682	50033
UN21376	Rsa1.0_02026.1	1264	35896	0	644	654	98 -	2	652	22657	23308
UN21377	Rsa1.0_00475.1	808	81678	0	638	654	97 +	162	806	39332	39985
UN21378	Rsa1.0_03362.1	1310	23453	6.00E-96	198	203	97 -	970	1172	13730	13931
UN21379	Rsa1.0_06771.1	540	10388	0	525	540	97 -	1	540	2725	3264
UN21380	Rsa1.0_03241.1	1165	24423	0	572	580	98 -	2	581	11090	11669
UN21381	Rsa1.0_04192.1	1010	18572	0	540	589	91 +	98	686	17124	17708
UN21382	Rsa1.0_01286.1	802	49209	2.00E-88	215	231	93 +	2	232	40556	40777
UN21383	Rsa1.0_00084.1	801	142338	1.00E-177	376	389	96 +	420	801	92752	93140
UN21384	Rsa1.0_00990.1	1110	57445	0	1072	1130	94 -	1	1109	55719	56834
UN21385	Rsa1.0_06918.1	2037	10166	0	773	809	95 +	584	1369	1350	2153
UN21386	Rsa1.0_00087.1	609	761073	1.00E-128	281	296	94 -	1	289	217289	217584
UN21387	Rsa1.0_01376.1	1086	47004	1.00E-105	282	310	90 +	6	314	37648	37957
UN21388	Rsa1.0_02079.1	1497	35306	0	700	701	99 -	252	952	16530	17229
UN21389	Rsa1.0_08023.1	955	8071	0	521	548	95 -	415	954	4852	5399
UN21390	Rsa1.0_18393.1	587	1607	1.00E-102	215	223	96 -	3	225	111	330
UN21391	Rsa1.0_00571.1	647	329018	0	335	339	98 -	1	339	159412	159750
UN21392	Rsa1.0_00351.1	1099	413096	0	513	522	98 -	584	1099	13641	14162
UN21393	Rsa1.0_03169.1	1639	24826	1.00E-158	286	287	99 +	1353	1639	18033	18319
UN21394	Rsa1.0_00095.1	765	283384	0	677	682	99 +	85	765	96573	97254
UN21395	Rsa1.0_02503.1	1652	30709	1.00E-111	258	271	95 -	1349	1616	27255	27522
UN21396	Rsa1.0_02180.1	822	34176	1.00E-164	330	342	96 -	478	815	26510	26851
UN21397	Rsa1.0_21317.1	1088	1216	1.00E-154	298	304	98 +	657	959	502	805
UN21398	Rsa1.0_03738.1	465	21071	1.00E-128	232	232	100 +	1	232	11528	11759
UN21399	Rsa1.0_05228.1	731	14437	0	363	372	97 +	6	375	4942	5313
UN21400	Rsa1.0_00108.1	776	478491	0	344	345	99 +	1	345	67319	67663
UN21401	Rsa1.0_00727.1	828	66724	0	535	535	100 +	294	828	2274	2808
UN21402	Rsa1.0_00101.1	822	267193	1.00E-135	302	312	96 -	518	822	211871	212182
UN21403	Rsa1.0_01214.1	790	50599	0	387	397	97 -	396	788	35165	35561
UN21404	Rsa1.0_03233.1	1516	24446	0	374	378	98 -	1137	1514	7152	7529
UN21405	Rsa1.0_02459.1	1385	31185	0	414	414	100 -	3	416	19843	20256
UN21406	Rsa1.0_01261.1	842	49744	2.00E-97	219	229	95 +	100	326	22740	22968
UN21407	Rsa1.0_13843.1	584	4225	1.00E-168	302	303	99 -	1	303	1422	1724
UN21408	Rsa1.0_00644.1	632	136881	1.00E-64	126	126	100 +	369	494	39544	39669
UN21409	Rsa1.0_00087.1	718	761073	1.00E-131	249	253	98 +	9	261	191419	191671

UN21410	Rsa1.0_63163.1	895	363	0	356	363	98 +	491	853	1	363
UN21411	Rsa1.0_00016.1	832	831256	1.00E-161	302	304	99 +	531	832	783490	783793
UN21412	Rsa1.0_00653.1	752	70029	0	442	454	97 +	3	456	37047	37500
UN21413	Rsa1.0_03352.1	725	23506	1.00E-126	237	238	99 +	8	244	17824	18061
UN21414	#	#	#	#	#	#	#	#	#	#	#
UN21415	Rsa1.0_00699.1	731	184398	0	409	415	98 -	318	731	183905	184319
UN21416	Rsa1.0_01241.1	1145	50067	0	449	453	99 +	73	525	3931	4383
UN21417	Rsa1.0_00344.1	729	191774	1.00E-160	290	291	99 -	438	728	156171	156461
UN21418	Rsa1.0_00805.1	912	63724	0	357	360	99 -	552	911	35515	35874
UN21419	Rsa1.0_00769.1	827	64911	0	694	723	95 +	14	732	11747	12460
UN21420	Rsa1.0_10503.1	1186	5824	1.00E-179	319	319	100 -	868	1186	1944	2262
UN21421	Rsa1.0_00770.1	907	64900	1.00E-166	296	296	100 +	327	622	9808	10103
UN21422	Rsa1.0_00842.1	536	62493	1.00E-127	236	238	99 +	2	239	38925	39162
UN21423	Rsa1.0_00215.1	1039	201775	0	338	340	99 -	1	340	2172	2510
UN21424	Rsa1.0_00394.1	1235	148426	0	409	414	98 +	823	1233	99869	100282
UN21425	Rsa1.0_00044.1	1813	271658	0	1455	1458	99 +	1	1457	260650	262107
UN21426	Rsa1.0_01422.1	1114	46172	1.00E-145	283	289	97 +	826	1114	28595	28881
UN21427	Rsa1.0_01249.1	814	188432	4.00E-99	187	188	99 -	317	504	151131	151318
UN21428	Rsa1.0_03581.1	1560	21965	0	858	885	96 +	1	884	573	1457
UN21429	Rsa1.0_02901.1	1318	26909	1.00E-152	347	370	93 -	1	367	21290	21657
UN21430	Rsa1.0_01156.1	1434	52147	0	592	608	97 +	1	599	48725	49327
UN21431	Rsa1.0_00608.1	1224	172672	0	486	499	97 +	726	1224	113755	114253
UN21432	Rsa1.0_02105.1	1148	156953	1.00E-175	353	367	96 +	531	897	149700	150066
UN21433	Rsa1.0_00641.1	1890	208241	0	556	569	97 -	989	1557	146242	146810
UN21434	Rsa1.0_10026.1	995	6034	1.00E-126	278	292	95 -	687	973	5747	6034
UN21435	Rsa1.0_00101.1	1131	267193	0	408	420	97 +	701	1120	251580	251996
UN21436	Rsa1.0_00040.1	1704	324196	0	1341	1360	98 +	283	1639	223524	224883
UN21437	Rsa1.0_00038.1	1286	314568	0	512	521	98 +	770	1284	238902	239422
UN21438	Rsa1.0_00971.1	1371	57973	1.00E-173	326	330	98 -	1046	1371	49789	50118
UN21439	Rsa1.0_02596.1	1118	29709	1.00E-173	325	328	99 -	2	328	1721	2047
UN21440	Rsa1.0_02453.1	1679	31271	1.00E-176	335	341	98 -	1	340	14906	15246
UN21441	Rsa1.0_00603.1	672	73299	0	464	471	98 +	200	667	32629	33099
UN21442	Rsa1.0_00119.1	1034	467509	0	394	394	100 +	641	1034	337593	337986
UN21443	Rsa1.0_06443.1	1093	11008	0	442	447	98 -	645	1091	5636	6081
UN21444	Rsa1.0_00358.1	1846	91293	1.00E-174	425	457	92 +	5	453	32091	32539
UN21445	Rsa1.0_00384.1	1098	89278	0	358	364	98 +	733	1096	12264	12627
UN21446	Rsa1.0_00327.1	2043	94892	1.00E-162	345	363	95 -	1535	1894	15925	16281
UN21447	Rsa1.0_02005.1	1046	36137	0	409	410	99 +	637	1046	7475	7884
UN21448	Rsa1.0_01214.1	1258	50599	0	441	465	94 +	809	1258	46274	46736

UN21449	Rsa1.0_00295.1	1017	152597	0	468	508	92 -	1	494	84036	84529
UN21450	Rsa1.0_01571.1	1106	43000	1.00E-159	310	318	97 +	3	320	4397	4710
UN21451	Rsa1.0_00153.1	901	192931	0	501	527	95 -	387	900	124379	124905
UN21452	Rsa1.0_03195.1	1534	24673	1.00E-177	372	389	95 +	1145	1530	8990	9372
UN21453	Rsa1.0_00104.1	566	368722	1.00E-128	232	232	100 -	129	360	211493	211724
UN21454	Rsa1.0_01962.1	595	153412	0	588	594	98 -	1	594	144468	145061
UN21455	Rsa1.0_01857.1	590	38103	1.00E-107	212	217	97 -	239	455	18550	18766
UN21456	Rsa1.0_00096.1	1467	198773	1.00E-174	348	358	97 -	1094	1450	136017	136372
UN21457	Rsa1.0_03966.1	1522	19823	0	421	430	97 +	2	430	1906	2332
UN21458	Rsa1.0_00281.1	1400	99908	0	582	621	93 -	800	1399	68426	69044
UN21459	Rsa1.0_00034.1	1413	260119	0	469	469	100 +	5	473	7131	7599
UN21460	Rsa1.0_00218.1	867	201480	0	827	860	96 -	3	858	157959	158815
UN21461	Rsa1.0_00032.1	1780	306326	0	529	541	97 -	1240	1778	146634	147171
UN21462	Rsa1.0_00944.1	1485	58733	0	456	460	99 +	1026	1485	35701	36160
UN21463	Rsa1.0_00304.1	1244	97429	0	935	940	99 -	12	950	59666	60605
UN21464	Rsa1.0_02158.1	707	154841	0	520	536	97 +	155	690	131881	132416
UN21465	Rsa1.0_00961.1	1901	58185	0	759	777	97 +	666	1442	1751	2527
UN21466	Rsa1.0_13384.1	1086	4873	0	352	358	98 +	729	1086	3829	4183
UN21467	Rsa1.0_01721.1	1611	40345	1.00E-149	268	268	100 -	1	268	7945	8212
UN21468	Rsa1.0_00291.1	629	172129	1.00E-161	300	303	99 -	325	627	17349	17650
UN21469	Rsa1.0_04400.1	2037	17529	0	722	757	95 -	1273	2027	10938	11677
UN21470	Rsa1.0_00152.1	1446	257730	1.00E-123	228	229	99 -	1	229	229620	229848
UN21471	Rsa1.0_00690.1	743	140527	2.00E-66	188	205	91 -	5	209	31841	32043
UN21472	Rsa1.0_00937.1	2758	59061	0	745	769	96 -	554	1322	50377	51145
UN21473	Rsa1.0_00463.1	930	189177	1.00E-129	290	308	94 -	621	928	168758	169061
UN21474	Rsa1.0_00148.1	905	120234	0	892	905	98 -	1	903	36558	37462
UN21475	Rsa1.0_01223.1	842	50392	0	428	429	99 -	1	429	47953	48381
UN21476	Rsa1.0_00942.1	767	58873	1.00E-141	320	339	94 +	430	767	3175	3512
UN21477	Rsa1.0_00398.1	1189	88007	0	709	715	99 -	1	715	29015	29727
UN21478	Rsa1.0_01984.1	927	36491	1.00E-135	244	244	100 -	3	246	24426	24669
UN21479	Rsa1.0_00276.1	864	100160	0	361	366	98 -	223	588	95446	95811
UN21480	Rsa1.0_00031.1	1382	179862	0	406	420	96 -	31	447	161267	161686
UN21481	Rsa1.0_09385.1	1369	6405	0	783	795	98 +	533	1327	3183	3977
UN21482	Rsa1.0_04928.1	1044	15420	0	367	372	98 -	675	1044	9510	9881
UN21483	Rsa1.0_00632.1	708	183777	1.00E-168	312	316	98 +	393	708	168864	169179
UN21484	Rsa1.0_01460.1	1470	45255	0	502	516	97 -	962	1470	32131	32642
UN21485	Rsa1.0_03698.1	849	21302	1.00E-127	273	283	96 +	2	282	7551	7832
UN21486	Rsa1.0_01695.1	1293	40848	1.00E-175	364	376	96 +	902	1275	8401	8774
UN21487	Rsa1.0_00111.1	698	390088	0	418	429	97 +	271	698	75630	76057

UN21488	Rsa1.0_11760.1	1197	5417	0	389	396	98 +	3	398	4513	4908
UN21489	Rsa1.0_01156.1	1966	52147	1.00E-151	284	288	98 -	1	288	42873	43160
UN21490	Rsa1.0_00025.1	1209	277312	0	632	633	99 -	575	1207	52179	52811
UN21491	Rsa1.0_01377.1	1035	46967	0	988	1019	96 +	24	1033	31199	32211
UN21492	Rsa1.0_00295.1	832	152597	5.00E-92	224	239	93 +	567	805	140727	140962
UN21493	Rsa1.0_00190.1	860	318240	0	795	818	97 +	47	860	94238	95055
UN21494	Rsa1.0_00207.1	933	248736	0	474	489	96 +	442	930	22526	23010
UN21495	Rsa1.0_01493.1	1943	44670	0	990	1018	97 -	927	1943	19665	20675
UN21496	Rsa1.0_00016.1	1182	831256	0	1089	1105	98 -	77	1179	542847	543947
UN21497	Rsa1.0_02259.1	891	33299	0	601	604	99 +	288	891	16588	17190
UN21498	Rsa1.0_01320.1	1493	48271	1.00E-168	321	327	98 -	1169	1493	19588	19914
UN21499	Rsa1.0_27679.1	538	843	0	419	421	99 -	118	538	107	527
UN21500	Rsa1.0_00179.1	910	393324	0	460	463	99 +	1	463	196240	196702
UN21501	Rsa1.0_00135.1	775	178077	0	517	520	99 +	257	775	8955	9474
UN21502	Rsa1.0_00009.1	1745	232558	0	777	826	94 +	60	866	8460	9284
UN21503	Rsa1.0_00190.1	918	318240	0	502	502	100 -	416	917	314285	314786
UN21504	Rsa1.0_01144.1	1299	52431	1.00E-166	329	339	97 +	52	387	22927	23265
UN21505	Rsa1.0_04032.1	978	19489	0	428	430	99 -	401	830	13909	14338
UN21506	Rsa1.0_00875.1	1105	61371	0	356	357	99 +	749	1105	19111	19467
UN21507	Rsa1.0_02309.1	1323	32744	0	443	443	100 +	881	1323	31125	31567
UN21508	Rsa1.0_05702.1	764	12884	1.00E-157	288	290	99 +	475	764	712	1001
UN21509	Rsa1.0_16159.1	1525	2262	0	360	367	98 -	1033	1399	1340	1706
UN21510	Rsa1.0_42799.1	838	525	1.00E-107	197	197	100 +	642	838	1	197
UN21511	Rsa1.0_02991.1	848	26178	1.00E-154	296	301	98 +	548	848	23578	23877
UN21512	Rsa1.0_00169.1	1424	274298	1.00E-125	276	290	95 +	1134	1422	31558	31844
UN21513	Rsa1.0_03216.1	1143	24540	0	636	637	99 +	3	639	19461	20097
UN21514	Rsa1.0_00848.1	611	152362	0	418	437	95 +	49	485	47909	48343
UN21515	Rsa1.0_02079.1	1176	35306	0	447	448	99 +	1	448	3664	4111
UN21516	Rsa1.0_00071.1	1143	345714	0	519	522	99 -	3	524	207419	207938
UN21517	Rsa1.0_08841.1	1410	6870	1.00E-157	326	336	97 +	4	337	2702	3034
UN21518	Rsa1.0_00920.1	2223	601703	0	2093	2112	99 +	112	2223	295343	297448
UN21519	Rsa1.0_00128.1	1734	228675	0	450	451	99 +	972	1422	80481	80931
UN21520	Rsa1.0_01567.1	609	43090	0	388	389	99 +	221	608	26025	26413
UN21521	Rsa1.0_01101.1	2349	54031	0	694	718	96 +	715	1428	14928	15645
UN21522	Rsa1.0_00336.1	1034	445051	0	550	555	99 +	1	554	15932	16486
UN21523	Rsa1.0_15453.1	809	2597	8.00E-91	176	178	98 -	1	178	67	244
UN21524	Rsa1.0_19149.1	875	1472	1.00E-157	302	309	97 +	325	633	257	565
UN21525	Rsa1.0_01410.1	770	46345	1.00E-175	330	336	98 -	326	661	33684	34019
UN21526	Rsa1.0_02269.1	1921	33168	0	1473	1478	99 -	138	1615	12865	14342

UN21527	Rsa1.0.00817.1	842	62961	0	504	512	98 +	2	513	53822	54331
UN21528	Rsa1.0.04027.1	1510	19501	0	984	1006	97 -	1	1005	14735	15740
UN21529	Rsa1.0.00342.1	1102	93695	1.00E-151	281	284	98 -	537	820	63912	64195
UN21530	Rsa1.0.00029.1	1407	272992	0	1200	1229	97 -	181	1407	257527	258746
UN21531	Rsa1.0.04116.1	958	18971	1.00E-150	288	293	98 +	667	958	3060	3352
UN21532	Rsa1.0.00398.1	1030	88007	0	352	352	100 +	677	1028	44624	44975
UN21533	Rsa1.0.01874.1	1107	37853	0	408	420	97 -	689	1107	23815	24233
UN21534	Rsa1.0.01261.1	1381	49744	1.00E-153	275	275	100 +	1105	1379	25172	25446
UN21535	Rsa1.0.00009.1	1315	232558	0	827	836	98 +	466	1301	11234	12069
UN21536	Rsa1.0.00011.1	1918	225044	0	362	363	99 +	1555	1917	200725	201087
UN21537	Rsa1.0.00119.1	1458	467509	0	454	465	97 -	1	465	91903	92364
UN21538	Rsa1.0.02195.1	918	34024	0	703	711	98 -	1	711	23555	24265
UN21539	Rsa1.0.00249.1	1456	153740	0	791	793	99 +	93	885	26101	26893
UN21540	Rsa1.0.01559.1	1686	43262	0	1600	1647	97 +	7	1648	16015	17652
UN21541	Rsa1.0.01396.1	933	151624	1.00E-160	310	317	97 +	608	924	105146	105459
UN21542	Rsa1.0.00130.1	1470	125737	0	386	388	99 -	51	438	13295	13682
UN21543	Rsa1.0.38118.1	1219	591	0	341	343	99 -	877	1219	249	591
UN21544	Rsa1.0.01651.1	1233	41586	0	680	694	97 -	540	1233	20749	21433
UN21545	Rsa1.0.03870.1	1141	20362	1.00E-141	279	287	97 +	1	287	17474	17755
UN21546	Rsa1.0.00171.1	680	115622	1.00E-134	311	336	92 +	1	324	50085	50420
UN21547	Rsa1.0.00216.1	1162	197563	1.00E-137	317	335	94 +	2	335	50360	50690
UN21548	Rsa1.0.04342.1	1172	17828	0	503	509	98 -	62	570	355	863
UN21549	Rsa1.0.09706.1	1361	6199	1.00E-169	305	306	99 +	1056	1361	151	456
UN21550	Rsa1.0.00861.1	1655	61759	1.00E-120	220	220	100 +	1435	1654	44584	44803
UN21551	Rsa1.0.00213.1	2139	108167	0	534	563	94 +	1578	2138	62067	62618
UN21552	Rsa1.0.00436.1	1189	85008	0	530	549	96 +	3	551	356	903
UN21553	Rsa1.0.07936.1	1320	8228	0	378	389	97 -	1	388	2616	3003
UN21554	Rsa1.0.00397.1	1343	88189	0	679	741	91 +	1	731	64524	65242
UN21555	Rsa1.0.03781.1	1086	20891	1.00E-151	319	331	96 -	2	329	4225	4550
UN21556	Rsa1.0.02041.1	1112	163634	1.00E-169	328	334	98 +	774	1107	29064	29395
UN21557	Rsa1.0.02163.1	1780	34427	0	1649	1672	98 -	109	1779	17296	18963
UN21558	Rsa1.0.00719.1	1165	66952	0	431	436	98 +	727	1162	25642	26077
UN21559	Rsa1.0.02955.1	984	26484	0	355	359	98 -	1	358	13654	14011
UN21560	Rsa1.0.00890.1	1046	323870	0	422	431	97 -	3	433	159640	160067
UN21561	Rsa1.0.00369.1	4009	266462	0	745	755	98 +	244	994	199451	200205
UN21562	Rsa1.0.00104.1	2047	368722	0	604	604	100 -	1444	2047	11806	12409
UN21563	Rsa1.0.00002.1	1481	601661	1.00E-140	404	454	88 +	789	1242	247632	248085
UN21564	Rsa1.0.00163.1	2663	116847	0	737	745	98 +	1347	2091	46557	47301
UN21565	Rsa1.0.01530.1	2099	43820	0	483	489	98 -	1612	2099	23280	23763

UN21566	Rsa1.0.00218.1	1482	201480	0	547	556	98 -	928	1481	162643	163197
UN21567	Rsa1.0.04489.1	895	17145	1.00E-122	261	270	96 +	625	891	10019	10287
UN21568	Rsa1.0.04658.1	1396	16487	0	554	579	95 -	820	1396	2367	2933
UN21569	Rsa1.0.07200.1	712	9734	0	698	710	98 +	3	712	6080	6788
UN21570	Rsa1.0.07159.1	690	9796	1.00E-149	293	299	97 -	394	690	58	356
UN21571	Rsa1.0.00055.1	975	520193	0	793	813	97 +	163	975	339997	340806
UN21572	Rsa1.0.05544.1	879	13381	1.00E-156	292	296	98 -	337	632	7514	7809
UN21573	Rsa1.0.00457.1	1780	337301	1.00E-179	365	374	97 -	2	373	301000	301370
UN21574	Rsa1.0.02826.1	982	27560	0	323	323	100 +	1	323	14753	15075
UN21575	Rsa1.0.04584.1	969	16756	0	577	598	96 -	375	969	12271	12866
UN21576	Rsa1.0.00116.1	1317	365886	0	663	677	97 +	369	1045	344197	344873
UN21577	Rsa1.0.00067.1	1072	415055	1.00E-176	346	354	97 +	182	534	34645	34997
UN21578	Rsa1.0.01316.1	1006	48325	0	682	702	97 +	304	1004	40153	40851
UN21579	Rsa1.0.07000.1	1491	10049	1.00E-112	223	228	97 +	1267	1491	8619	8846
UN21580	Rsa1.0.01937.1	1280	37147	0	434	448	96 +	818	1261	21081	21525
UN21581	Rsa1.0.00034.1	1798	260119	0	735	779	94 +	444	1222	66394	67172
UN21582	Rsa1.0.03990.1	1385	19676	0	658	700	94 -	46	728	4678	5368
UN21583	Rsa1.0.06938.1	957	10140	1.00E-132	261	267	97 +	2	267	9713	9979
UN21584	Rsa1.0.00100.1	627	249232	1.00E-132	245	247	99 -	380	626	21311	21557
UN21585	Rsa1.0.01494.1	932	44641	1.00E-130	240	241	99 +	680	920	3175	3415
UN21586	Rsa1.0.00871.1	1936	61539	1.00E-140	288	297	96 -	1	297	13835	14129
UN21587	Rsa1.0.12954.1	1017	5066	1.00E-156	280	280	100 -	738	1017	3797	4076
UN21588	Rsa1.0.00237.1	1724	235974	0	598	611	97 +	1108	1718	40883	41490
UN21589	Rsa1.0.05571.1	1201	13298	1.00E-152	307	316	97 -	863	1174	252	567
UN21590	Rsa1.0.00627.1	1058	71566	1.00E-102	347	396	87 +	1	392	3972	4341
UN21591	Rsa1.0.00454.1	1420	216970	0	382	382	100 -	3	384	168272	168653
UN21592	Rsa1.0.03209.1	1804	24592	0	462	478	96 -	5	479	18885	19356
UN21593	Rsa1.0.02913.1	1257	26816	0	1053	1102	95 -	108	1207	24541	25635
UN21594	Rsa1.0.00168.1	1166	115870	1.00E-176	336	343	97 +	824	1166	54746	55085
UN21595	Rsa1.0.00382.1	889	251946	1.00E-137	292	306	95 -	62	367	246902	247204
UN21596	Rsa1.0.01662.1	833	41382	0	352	352	100 +	481	832	12520	12871
UN21597	Rsa1.0.01190.1	945	194501	0	459	459	100 -	2	460	13189	13647
UN21598	Rsa1.0.00681.1	1527	68779	1.00E-147	299	308	97 -	1223	1527	52423	52730
UN21599	Rsa1.0.02816.1	794	27649	0	378	386	97 +	17	401	5365	5750
UN21600	Rsa1.0.00056.1	961	332604	1.00E-129	348	381	91 -	17	395	108444	108800
UN21601	Rsa1.0.06397.1	940	11088	1.00E-151	290	296	97 -	11	306	3715	4010
UN21602	Rsa1.0.00640.1	1659	70979	0	641	645	99 +	1007	1651	49402	50044
UN21603	Rsa1.0.02941.1	901	26583	0	381	398	95 -	1	388	6324	6719
UN21604	Rsa1.0.00016.1	955	831256	0	372	379	98 +	579	954	576420	576797

UN21605	Rsa1.0.03036.1	1086	25826	0	618	620	99 -	427	1045	20414	21033
UN21606	Rsa1.0.04729.1	967	16201	0	398	398	100 +	291	688	15804	16201
UN21607	Rsa1.0.04154.1	553	18802	1.00E-175	318	320	99 +	234	553	15466	15785
UN21608	Rsa1.0.03579.1	2438	21969	0	800	820	97 -	869	1687	18958	19775
UN21609	Rsa1.0.00789.1	700	64233	0	689	698	98 -	3	700	13089	13786
UN21610	Rsa1.0.11995.1	1696	5347	0	561	566	99 -	1	566	4458	5023
UN21611	Rsa1.0.01457.1	1644	45337	1.00E-132	263	270	97 +	181	450	6330	6596
UN21612	Rsa1.0.01727.1	1373	40243	1.00E-154	313	323	96 +	3	324	5144	5463
UN21613	Rsa1.0.00784.1	1477	64359	0	979	979	100 +	1	979	19645	20623
UN21614	Rsa1.0.00556.1	1856	207212	0	411	417	98 +	1104	1520	147816	148232
UN21615	Rsa1.0.01732.1	1497	40194	0	1251	1298	96 +	1	1287	24216	25510
UN21616	Rsa1.0.00035.1	731	176449	0	704	722	97 -	1	721	49858	50579
UN21617	Rsa1.0.00285.1	1280	149638	1.00E-162	302	306	98 +	946	1251	56337	56642
UN21618	Rsa1.0.01005.1	1186	56967	0	614	641	95 -	3	643	37403	38031
UN21619	Rsa1.0.00138.1	1848	247040	0	327	327	100 -	40	366	64744	65070
UN21620	Rsa1.0.00623.1	1558	207630	0	511	523	97 +	1042	1558	22569	23091
UN21621	Rsa1.0.00245.1	907	103569	0	888	912	97 +	3	906	19247	20158
UN21622	Rsa1.0.02865.1	807	27133	1.00E-179	449	490	91 +	328	798	22643	23129
UN21623	Rsa1.0.00051.1	1047	258225	0	540	558	96 +	1	555	47509	48059
UN21624	Rsa1.0.02963.1	1044	26407	1.00E-141	303	317	95 -	728	1044	3695	4008
UN21625	Rsa1.0.05884.1	1231	12337	0	352	352	100 +	880	1231	8522	8873
UN21626	Rsa1.0.00347.1	1691	93048	0	1002	1039	96 +	652	1689	69070	70106
UN21627	Rsa1.0.00614.1	1230	72276	0	379	385	98 -	136	519	27549	27933
UN21628	Rsa1.0.00332.1	1195	94575	0	394	412	95 -	784	1195	22583	22989
UN21629	Rsa1.0.00482.1	1167	81162	0	384	396	96 +	3	395	60322	60717
UN21630	Rsa1.0.02268.1	1309	33172	1.00E-180	320	320	100 -	5	324	16898	17217
UN21631	Rsa1.0.05489.1	1188	13562	0	785	808	97 +	1	803	12093	12894
UN21632	Rsa1.0.01364.1	1745	47172	1.00E-128	261	269	97 -	3	269	21203	21471
UN21633	Rsa1.0.02286.1	1423	32993	0	441	442	99 -	982	1423	16616	17057
UN21634	Rsa1.0.00347.1	1204	93048	0	768	769	99 -	1	769	34139	34907
UN21635	Rsa1.0.03612.1	1153	21784	1.00E-145	293	302	97 +	848	1148	11617	11918
UN21636	Rsa1.0.09527.1	1124	6311	1.00E-141	296	310	95 -	523	832	5870	6179
UN21637	Rsa1.0.00429.1	1612	85559	0	820	820	100 +	793	1612	23587	24406
UN21638	Rsa1.0.02094.1	1640	35116	0	712	718	99 +	3	719	23422	24139
UN21639	Rsa1.0.00456.1	586	82826	0	549	558	98 -	3	556	24528	25082
UN21640	Rsa1.0.06541.1	759	10806	1.00E-103	318	350	90 +	40	378	10030	10372
UN21641	Rsa1.0.05262.1	1186	14334	0	502	530	94 +	585	1112	11001	11513
UN21642	Rsa1.0.01335.1	1308	47894	1.00E-123	234	237	98 +	152	388	747	983
UN21643	Rsa1.0.00101.1	716	267193	1.00E-153	353	379	93 +	349	716	47241	47611

UN21644	Rsa1.0_02020.1	1128	173211	0	554	578	95 +	549	1124	154385	154962
UN21645	Rsa1.0_04873.1	1268	15657	1.00E-151	306	318	96 +	3	320	3414	3724
UN21646	Rsa1.0_00018.1	1468	410899	0	656	661	99 +	60	720	76680	77340
UN21647	Rsa1.0_02517.1	614	30600	0	611	612	99 -	3	614	4901	5512
UN21648	Rsa1.0_00205.1	937	193401	1.00E-110	225	231	97 +	298	527	130115	130345
UN21649	Rsa1.0_00018.1	1344	410899	0	761	792	96 +	3	787	76720	77509
UN21650	Rsa1.0_05870.1	1067	146055	0	458	459	99 +	196	654	10604	11062
UN21651	Rsa1.0_00016.1	1864	831256	0	1000	1007	99 +	592	1598	785585	786591
UN21652	Rsa1.0_23642.1	1553	1035	0	1018	1023	99 +	114	1136	15	1035
UN21653	Rsa1.0_60619.1	1250	378	2.00E-68	133	133	100 +	67	199	1	133
UN21654	Rsa1.0_02593.1	801	29744	1.00E-145	342	365	93 +	2	365	2802	3164
UN21655	Rsa1.0_03235.1	2057	24442	0	1010	1014	99 +	1044	2057	20856	21869
UN21656	Rsa1.0_00402.1	877	385315	0	342	343	99 +	535	877	236413	236755
UN21657	Rsa1.0_00725.1	1717	66757	0	573	577	99 -	1	577	8026	8602
UN21658	Rsa1.0_18326.1	1502	1620	0	1397	1400	99 -	103	1500	221	1620
UN21659	Rsa1.0_03062.1	1704	25678	0	508	517	98 +	1190	1704	8175	8691
UN21660	Rsa1.0_00046.1	804	320315	1.00E-175	357	370	96 -	1	370	29574	29939
UN21661	Rsa1.0_03821.1	1597	20643	1.00E-108	211	215	98 +	903	1117	5285	5499
UN21662	Rsa1.0_21718.1	838	1178	0	521	531	98 -	308	837	72	600
UN21663	Rsa1.0_00873.1	1460	61459	1.00E-131	294	310	94 -	1155	1456	11606	11915
UN21664	Rsa1.0_00653.1	782	70029	0	457	470	97 -	311	780	37031	37500
UN21665	Rsa1.0_00097.1	1211	138858	1.00E-156	280	280	100 +	2	281	73734	74013
UN21666	Rsa1.0_06213.1	858	11478	0	495	496	99 -	364	858	1040	1535
UN21667	Rsa1.0_00087.1	904	761073	0	720	746	96 +	8	753	9234	9978
UN21668	Rsa1.0_02841.1	895	27383	1.00E-125	231	232	99 +	3	234	254	485
UN21669	Rsa1.0_00012.1	692	222148	1.00E-136	258	262	98 -	431	692	83287	83548
UN21670	Rsa1.0_00018.1	1531	410899	1.00E-149	268	268	100 +	1264	1531	55120	55387
UN21671	Rsa1.0_00503.1	686	79468	0	457	459	99 +	1	458	61006	61463
UN21672	Rsa1.0_03709.1	1123	21247	0	360	360	100 +	56	415	18541	18900
UN21673	Rsa1.0_07692.1	632	132338	0	377	381	98 -	251	631	6687	7067
UN21674	Rsa1.0_03627.1	1656	21658	0	410	423	96 +	1232	1654	8024	8443
UN21675	Rsa1.0_04138.1	872	18898	0	866	872	99 +	1	872	3200	4071
UN21676	Rsa1.0_01544.1	841	185602	0	376	380	98 +	460	839	9690	10069
UN21677	Rsa1.0_00962.1	969	184909	0	882	920	95 +	45	961	51825	52738
UN21678	Rsa1.0_01306.1	1218	48720	0	845	854	98 -	2	855	46543	47396
UN21679	Rsa1.0_05431.1	2447	13780	0	574	574	100 -	694	1267	7915	8488
UN21680	Rsa1.0_01050.1	1699	55651	0	1093	1108	98 -	3	1103	11784	12891
UN21681	Rsa1.0_00517.1	941	142790	0	430	433	99 +	509	941	113059	113491
UN21682	Rsa1.0_00961.1	1007	58185	1.00E-166	315	321	98 -	5	321	44233	44553

UN21683	Rsa1.0.00826.1	920	166736	0	411	417	98 +	504	920	130040	130456
UN21684	Rsa1.0.02467.1	536	31141	0	500	505	99 +	31	535	15480	15981
UN21685	Rsa1.0.00339.1	941	222974	1.00E-138	273	280	97 +	663	940	40928	41207
UN21686	Rsa1.0.00950.1	1741	58547	0	1141	1150	99 -	1	1150	39149	40298
UN21687	Rsa1.0.25558.1	1523	931	1.00E-109	278	298	93 +	1231	1523	1	290
UN21688	Rsa1.0.06388.1	1360	11110	0	380	384	98 -	19	402	5506	5889
UN21689	Rsa1.0.00067.1	1162	415055	0	385	397	96 -	497	893	378116	378512
UN21690	Rsa1.0.00136.1	2572	122464	0	893	920	97 +	717	1633	60043	60962
UN21691	Rsa1.0.02524.1	871	30496	0	361	372	97 +	190	561	11355	11726
UN21692	Rsa1.0.04744.1	1279	16154	1.00E-148	334	352	94 -	1	346	7259	7609
UN21693	Rsa1.0.02518.1	1528	30586	0	674	705	95 +	842	1528	21523	22224
UN21694	Rsa1.0.00281.1	1406	99908	0	770	778	98 -	627	1404	49017	49794
UN21695	Rsa1.0.07056.1	1400	9969	0	461	470	98 -	934	1400	1737	2206
UN21696	Rsa1.0.02466.1	1454	31142	0	1058	1079	98 -	2	1079	27098	28176
UN21697	Rsa1.0.00341.1	1074	249309	0	557	560	99 +	515	1074	190245	190804
UN21698	Rsa1.0.02862.1	1161	27163	0	527	539	97 +	267	805	21827	22365
UN21699	Rsa1.0.00482.1	2202	81162	0	767	780	98 -	255	1034	8800	9579
UN21700	Rsa1.0.08105.1	1865	7894	0	1826	1866	97 -	2	1864	4088	5950
UN21701	Rsa1.0.00571.1	1426	329018	0	795	815	97 +	478	1290	204578	205392
UN21702	Rsa1.0.00236.1	582	104771	0	429	432	99 +	152	582	3599	4030
UN21703	Rsa1.0.01182.1	552	167304	1.00E-163	303	307	98 -	2	308	133142	133448
UN21704	Rsa1.0.00048.1	1576	167185	0	420	425	98 -	447	871	75672	76096
UN21705	Rsa1.0.37078.1	1172	608	0	395	402	98 +	2	403	208	608
UN21706	Rsa1.0.01713.1	1358	40564	0	429	432	99 -	926	1357	30264	30695
UN21707	Rsa1.0.06213.1	542	11478	8.00E-87	212	228	92 +	315	542	10901	11119
UN21708	Rsa1.0.01400.1	1362	46560	0	395	397	99 -	966	1362	43975	44371
UN21709	Rsa1.0.02298.1	1058	32872	0	451	483	93 -	8	476	6363	6841
UN21710	Rsa1.0.00954.1	1174	189536	1.00E-167	310	313	99 -	861	1173	151486	151796
UN21711	Rsa1.0.00747.1	1294	66030	0	764	772	98 +	9	777	35942	36713
UN21712	Rsa1.0.00099.1	1125	159619	0	825	858	96 +	266	1115	51332	52189
UN21713	Rsa1.0.00016.1	1377	831256	0	792	811	97 +	1	807	270052	270862
UN21714	Rsa1.0.00598.1	730	73425	0	502	506	99 -	7	509	31636	32141
UN21715	Rsa1.0.00094.1	2624	139042	0	609	651	93 -	1081	1721	97239	97877
UN21716	Rsa1.0.02605.1	2025	29637	0	1172	1226	95 -	308	1516	13844	15060
UN21717	Rsa1.0.03009.1	1684	26065	1.00E-179	327	330	99 +	1353	1682	8603	8932
UN21718	Rsa1.0.00198.1	793	222963	2.33E-156	284	291	97 +	134	424	123127	123417
UN21719	Rsa1.0.03031.1	718	25839	0	336	336	100 -	276	611	24118	24453
UN21720	Rsa1.0.01963.1	1065	36719	0	637	651	97 +	1	644	5467	6117
UN21721	Rsa1.0.00144.1	697	120708	1.00E-125	247	254	97 +	6	259	24832	25079

UN21722	Rsa1.0.01283.1	982	49257	1.00E-135	248	249	99 +	734	982	16633	16881
UN21723	Rsa1.0.03323.1	1366	23751	0	405	417	97 +	1	416	13128	13544
UN21724	Rsa1.0.00732.1	998	66631	1.00E-104	266	284	93 +	705	986	1460	1740
UN21725	Rsa1.0.01295.1	990	49040	0	401	404	99 +	587	990	29327	29730
UN21726	Rsa1.0.02435.1	640	31454	1.00E-123	237	241	98 -	395	635	18340	18580
UN21727	Rsa1.0.01294.1	869	49090	6.00E-95	192	197	97 +	531	727	26968	27164
UN21728	Rsa1.0.00196.1	1579	109960	0	836	877	95 -	712	1578	61445	62309
UN21729	Rsa1.0.06791.1	1059	10350	0	836	875	95 +	47	921	6552	7421
UN21730	Rsa1.0.00184.1	1184	218748	0	864	876	98 +	308	1183	43850	44723
UN21731	Rsa1.0.01625.1	723	42019	1.00E-153	281	283	99 -	440	722	20450	20732
UN21732	Rsa1.0.01905.1	1891	37450	0	437	438	99 -	1453	1890	31762	32198
UN21733	Rsa1.0.01960.1	1457	36766	0	914	917	99 -	1	917	4125	5041
UN21734	Rsa1.0.01206.1	2067	50772	0	1099	1118	98 -	331	1441	29572	30689
UN21735	Rsa1.0.05168.1	861	14621	0	693	699	99 +	1	698	11515	12213
UN21736	Rsa1.0.00270.1	1107	101236	1.00E-143	349	376	92 -	725	1095	62746	63106
UN21737	Rsa1.0.04355.1	1949	146733	0	1614	1622	99 +	3	1624	7819	9440
UN21738	Rsa1.0.03241.1	1118	24423	0	987	1016	97 -	57	1072	5633	6646
UN21739	Rsa1.0.00372.1	1357	90418	0	467	477	97 +	2	478	22694	23170
UN21740	Rsa1.0.00393.1	1110	158674	0	736	747	98 +	2	748	110426	111172
UN21741	Rsa1.0.00121.1	657	278029	1.00E-116	240	247	97 +	8	252	110591	110836
UN21742	Rsa1.0.04426.1	790	17399	1.00E-134	292	306	95 -	3	301	14213	14518
UN21743	Rsa1.0.07936.1	712	8228	1.00E-108	217	223	97 -	2	224	4275	4497
UN21744	Rsa1.0.00524.1	1408	169613	1.00E-155	292	296	98 +	3	295	153399	153694
UN21745	Rsa1.0.00352.1	922	92266	0	908	927	97 -	3	920	61950	62876
UN21746	Rsa1.0.00017.1	2287	752458	0	800	819	97 -	1471	2285	369440	370256
UN21747	Rsa1.0.00719.1	1636	66952	0	504	506	99 +	174	679	24491	24996
UN21748	#	#	#	#	#	#	#	#	#	#	#
UN21749	Rsa1.0.25516.1	1157	933	0	641	649	98 -	476	1124	1	649
UN21750	Rsa1.0.01248.1	953	154103	1.00E-163	316	323	97 -	631	953	10531	10847
UN21751	Rsa1.0.04254.1	972	18258	0	930	987	94 +	3	970	8317	9298
UN21752	Rsa1.0.00030.1	1695	250988	0	694	695	99 +	1	694	4000	4694
UN21753	Rsa1.0.32587.1	830	698	1.00E-135	254	256	99 -	2	257	115	369
UN21754	Rsa1.0.07170.1	1125	9788	0	430	448	95 -	5	446	6217	6658
UN21755	Rsa1.0.02870.1	2386	27102	0	2135	2180	97 -	2	2179	6398	8577
UN21756	Rsa1.0.02220.1	1735	176031	0	945	947	99 -	170	1116	157222	158168
UN21757	Rsa1.0.02433.1	1125	158318	0	529	544	97 +	3	542	141349	141892
UN21758	Rsa1.0.01216.1	982	50580	1.00E-170	306	307	99 -	641	947	17807	18113
UN21759	Rsa1.0.00773.1	1002	64839	1.00E-147	268	269	99 -	734	1002	61610	61878
UN21760	Rsa1.0.04022.1	944	19534	1.00E-128	239	241	99 +	690	930	6268	6508

UN21761	Rsa1.0_00257.1	1282	102407	0	550	550	100 +	1	550	70253	70802
UN21762	Rsa1.0_01296.1	1019	49035	0	430	445	96 -	552	994	21737	22173
UN21763	Rsa1.0_03471.1	640	22678	1.00E-124	232	234	99 -	167	400	14969	15202
UN21764	Rsa1.0_01567.1	1416	43090	0	1389	1415	98 +	3	1413	3721	5132
UN21765	Rsa1.0_00017.1	1916	752458	0	446	486	91 -	1441	1914	409118	409589
UN21766	Rsa1.0_01201.1	1011	50856	0	361	364	99 +	646	1009	46496	46859
UN21767	Rsa1.0_00759.1	2071	65465	0	861	873	98 -	501	1369	64598	65465
UN21768	Rsa1.0_00848.1	1193	152362	1.00E-169	314	318	98 -	1	318	38270	38587
UN21769	Rsa1.0_03700.1	1249	21299	0	371	378	98 +	874	1249	1331	1707
UN21770	Rsa1.0_05978.1	1538	12053	0	699	721	96 -	426	1136	6833	7552
UN21771	Rsa1.0_39335.1	1227	572	0	347	352	98 +	873	1223	11	361
UN21772	Rsa1.0_04288.1	1049	18077	0	442	449	98 +	36	479	4774	5222
UN21773	Rsa1.0_00154.1	787	189461	0	585	605	96 +	183	787	171029	171625
UN21774	Rsa1.0_05596.1	959	137912	2.00E-18	55	57	96 -	1	57	6636	6692
UN21775	Rsa1.0_02223.1	1130	152421	0	463	465	99 +	663	1126	17952	18416
UN21776	Rsa1.0_00437.1	1091	84879	0	404	404	100 +	601	1004	39662	40065
UN21777	Rsa1.0_01068.1	1192	55208	1.00E-160	303	308	98 +	3	310	5024	5328
UN21778	Rsa1.0_00195.1	1134	251884	0	578	601	96 -	535	1134	76316	76902
UN21779	Rsa1.0_01281.1	1355	49313	0	670	705	95 -	666	1355	42580	43283
UN21780	Rsa1.0_01552.1	825	43396	0	445	446	99 -	2	447	25165	25610
UN21781	Rsa1.0_00120.1	1103	277288	1.00E-167	311	314	99 -	789	1102	118237	118549
UN21782	Rsa1.0_01806.1	1027	39021	0	816	860	94 -	3	839	29007	29863
UN21783	Rsa1.0_02862.1	1109	27163	0	526	539	97 -	365	903	21827	22365
UN21784	Rsa1.0_02034.1	1400	35823	0	388	392	98 -	983	1374	10061	10451
UN21785	Rsa1.0_00253.1	2298	231292	0	920	946	97 +	1246	2185	160740	161685
UN21786	Rsa1.0_02601.1	969	29654	0	443	459	96 +	509	967	26835	27293
UN21787	Rsa1.0_00632.1	1257	183777	0	603	606	99 +	3	607	40248	40853
UN21788	Rsa1.0_01419.1	1967	167402	0	1152	1179	97 -	3	1170	6787	7963
UN21789	Rsa1.0_03555.1	876	22129	0	429	468	91 -	2	453	17793	18252
UN21790	Rsa1.0_00078.1	1817	175053	0	1369	1431	95 +	6	1430	66490	67910
UN21791	Rsa1.0_00596.1	2074	73578	0	349	353	98 -	1722	2074	30895	31247
UN21792	Rsa1.0_02270.1	574	249821	1.00E-162	344	362	95 -	213	574	141030	141382
UN21793	Rsa1.0_04264.1	2110	18207	0	1188	1195	99 -	535	1728	5591	6783
UN21794	Rsa1.0_00260.1	926	102021	0	362	364	99 +	562	925	67044	67407
UN21795	Rsa1.0_00108.1	1682	478491	0	737	755	97 -	17	770	271632	272386
UN21796	Rsa1.0_01181.1	1647	51496	0	1021	1024	99 -	3	1025	26963	27986
UN21797	Rsa1.0_16253.1	1605	2225	1.00E-125	253	260	97 -	3	257	1	259
UN21798	Rsa1.0_01848.1	1115	38312	1.00E-169	308	309	99 +	806	1114	3194	3501
UN21799	Rsa1.0_01081.1	1417	499226	0	1136	1187	95 +	3	1185	18453	19621

UN21800	Rsa1.0_02030.1	1460	179909	0	1344	1363	98 -	93	1453	18387	19748
UN21801	Rsa1.0_00017.1	1798	752458	1.00E-162	316	324	97 -	5	325	664149	664472
UN21802	Rsa1.0_02911.1	1555	142461	0	482	491	98 -	256	745	26352	26842
UN21803	Rsa1.0_05571.1	1742	13298	1.00E-167	304	306	99 -	11	316	4630	4935
UN21804	Rsa1.0_00501.1	1441	79545	0	678	688	98 +	754	1439	68586	69273
UN21805	Rsa1.0_00108.1	1365	478491	3.00E-88	206	217	94 -	1039	1255	119277	119490
UN21806	Rsa1.0_00008.1	930	358124	0	923	934	98 +	1	930	28725	29658
UN21807	Rsa1.0_02196.1	1282	34005	0	350	352	99 +	265	616	1716	2067
UN21808	Rsa1.0_01730.1	703	40223	1.00E-138	289	303	95 +	1	303	36539	36828
UN21809	Rsa1.0_01815.1	1234	38897	0	684	702	97 +	1	694	14341	15042
UN21810	Rsa1.0_01581.1	691	42833	1.00E-162	299	302	99 +	88	389	7614	7915
UN21811	Rsa1.0_02643.1	2217	29176	0	420	423	99 -	1796	2217	3927	4349
UN21812	Rsa1.0_02756.1	1525	28202	0	647	654	98 -	872	1523	16313	16966
UN21813	Rsa1.0_00550.1	1243	210790	0	1217	1248	97 -	1	1243	28024	29269
UN21814	Rsa1.0_04741.1	753	16164	1.00E-139	257	259	99 -	489	747	7116	7374
UN21815	Rsa1.0_00262.1	841	101906	1.00E-154	356	381	93 +	466	841	33151	33531
UN21816	Rsa1.0_01742.1	388	39962	1.00E-87	198	208	95 -	179	386	25943	26149
UN21817	Rsa1.0_17687.1	1062	1765	0	1001	1011	99 +	38	1047	2	1012
UN21818	Rsa1.0_14001.1	898	3933	0	425	428	99 -	469	896	1383	1810
UN21819	Rsa1.0_04286.1	910	18084	0	550	561	98 +	228	786	13076	13636
UN21820	Rsa1.0_03261.1	1255	24281	0	492	497	98 +	224	717	10621	11117
UN21821	Rsa1.0_11577.1	1744	5467	1.00E-173	309	309	100 +	1	309	704	1012
UN21822	Rsa1.0_01400.1	1463	46560	0	389	404	96 +	689	1092	9774	10177
UN21823	Rsa1.0_00289.1	1375	98620	1.00E-163	298	300	99 +	4	303	12869	13168
UN21824	Rsa1.0_00253.1	1095	231292	0	321	321	100 +	3	323	23513	23833
UN21825	Rsa1.0_11820.1	1586	5398	1.00E-149	278	281	98 -	1295	1575	27	307
UN21826	#	#	#	#	#	#	#	#	#	#	#
UN21827	Rsa1.0_04786.1	788	15988	1.00E-121	235	239	98 +	28	263	2656	2894
UN21828	Rsa1.0_04618.1	1775	16623	0	632	660	95 -	1	651	2856	3510
UN21829	Rsa1.0_01740.1	1014	39986	1.00E-125	274	288	95 -	137	418	27598	27885
UN21830	Rsa1.0_00007.1	1375	239325	0	568	592	95 +	789	1375	58424	59011
UN21831	Rsa1.0_00047.1	937	168582	0	519	544	95 -	112	655	96256	96799
UN21832	Rsa1.0_12809.1	1000	5119	0	425	449	94 +	556	1000	4445	4884
UN21833	Rsa1.0_01581.1	993	42833	0	904	925	97 +	75	993	2933	3857
UN21834	Rsa1.0_02688.1	2061	28644	1.00E-158	313	320	97 -	1743	2061	9632	9950
UN21835	Rsa1.0_01844.1	1849	38421	1.00E-158	283	283	100 -	1003	1285	5187	5469
UN21836	Rsa1.0_05169.1	2363	14620	0	849	863	98 -	1503	2363	7406	8262
UN21837	Rsa1.0_03436.1	1423	22958	0	425	432	98 -	989	1420	6285	6716
UN21838	Rsa1.0_00427.1	1084	189678	1.00E-140	266	269	98 +	815	1083	11409	11676

UN21839	Rsa1.0.00915.1	1049	194446	0	596	608	98 -	442	1047	41549	42150
UN21840	Rsa1.0.07256.1	1430	9655	0	509	519	98 -	448	966	4782	5300
UN21841	Rsa1.0.01156.1	1513	52147	0	339	341	99 -	3	343	20079	20419
UN21842	Rsa1.0.00375.1	903	90207	0	438	456	96 -	1	453	2406	2861
UN21843	Rsa1.0.00566.1	465	75325	1.00E-161	328	339	96 -	1	336	61768	62106
UN21844	Rsa1.0.00528.1	1149	164755	0	667	683	97 -	467	1149	109339	110021
UN21845	Rsa1.0.03853.1	895	20447	0	374	378	98 +	2	379	13295	13672
UN21846	Rsa1.0.01419.1	1617	167402	0	782	825	94 +	278	1097	130447	131262
UN21847	Rsa1.0.00435.1	1346	317579	0	433	439	98 -	196	634	3797	4235
UN21848	Rsa1.0.03352.1	746	23506	1.00E-89	183	188	97 -	294	481	18148	18335
UN21849	Rsa1.0.00953.1	1225	145012	0	455	456	99 +	770	1225	12362	12817
UN21850	Rsa1.0.00250.1	1287	273771	1.00E-144	307	320	95 -	970	1287	60264	60583
UN21851	Rsa1.0.00363.1	582	90968	1.00E-114	234	241	97 +	1	240	28262	28502
UN21852	Rsa1.0.03329.1	1413	23676	0	779	784	99 +	615	1398	22343	23126
UN21853	Rsa1.0.01096.1	1323	54266	0	441	454	97 +	678	1131	2669	3122
UN21854	Rsa1.0.00055.1	1484	520193	0	1330	1435	92 -	5	1391	168864	170294
UN21855	Rsa1.0.00623.1	1011	207630	0	384	398	96 -	1	394	22569	22962
UN21856	Rsa1.0.00429.1	1484	85559	0	355	361	98 +	1122	1482	18599	18959
UN21857	Rsa1.0.00340.1	1343	305782	0	338	343	98 +	3	345	191920	192262
UN21858	Rsa1.0.05076.1	914	14916	0	595	598	99 +	317	914	2709	3306
UN21859	Rsa1.0.22077.1	1100	1151	1.00E-153	281	283	99 -	816	1098	869	1151
UN21860	Rsa1.0.00552.1	894	206757	0	856	885	96 -	6	890	65956	66838
UN21861	Rsa1.0.01669.1	965	41286	1.00E-157	309	318	97 -	7	324	8172	8489
UN21862	Rsa1.0.01558.1	902	43287	0	531	545	97 -	356	898	39094	39637
UN21863	Rsa1.0.04415.1	791	147889	1.00E-161	312	320	97 -	6	325	144332	144651
UN21864	Rsa1.0.01783.1	716	39383	0	403	412	97 -	282	693	9454	9865
UN21865	Rsa1.0.01251.1	1131	49873	0	391	394	99 +	3	395	4816	5209
UN21866	Rsa1.0.00019.1	1408	301669	1.00E-144	316	333	94 -	768	1099	113150	113473
UN21867	Rsa1.0.00457.1	1077	337301	1.00E-154	295	301	98 -	271	571	288997	289297
UN21868	Rsa1.0.04198.1	1238	18504	0	567	595	95 -	2	589	13939	14532
UN21869	Rsa1.0.00071.1	817	345714	0	427	436	97 +	382	817	142456	142884
UN21870	Rsa1.0.01958.1	1127	261128	1.00E-137	275	284	96 -	844	1127	111066	111349
UN21871	Rsa1.0.00017.1	946	752458	1.00E-142	289	296	97 -	12	306	11197	11490
UN21872	Rsa1.0.01553.1	1043	43379	1.00E-157	310	316	98 +	732	1043	5530	5845
UN21873	Rsa1.0.00123.1	921	325650	0	534	548	97 +	374	921	237191	237736
UN21874	Rsa1.0.03185.1	1368	24739	1.00E-109	231	240	96 -	1132	1368	7506	7745
UN21875	Rsa1.0.04741.1	761	16164	1.00E-150	272	273	99 -	489	761	7098	7370
UN21876	Rsa1.0.07482.1	988	9278	0	360	360	100 +	5	364	2138	2497
UN21877	Rsa1.0.00192.1	911	278200	0	498	498	100 +	2	499	37881	38378

UN21878	Rsa1.0.06288.1	1669	11302	0	1267	1333	95 -	336	1668	758	2084
UN21879	Rsa1.0.00642.1	1161	201230	0	398	398	100 -	1	398	161688	162085
UN21880	Rsa1.0.00446.1	816	167829	1.00E-108	234	244	95 -	574	816	120006	120249
UN21881	Rsa1.0.00863.1	1146	254535	0	595	617	96 +	5	621	251958	252566
UN21882	Rsa1.0.19861.1	798	1373	1.00E-105	253	269	94 +	533	798	448	710
UN21883	Rsa1.0.00060.1	1018	502678	0	990	1030	96 -	3	1018	128110	129126
UN21884	Rsa1.0.02964.1	846	26407	2.00E-48	111	115	96 +	280	394	13665	13779
UN21885	Rsa1.0.03867.1	774	20369	0	769	771	99 +	3	772	14997	15767
UN21886	Rsa1.0.00576.1	1070	178949	0	493	494	99 -	3	496	6064	6557
UN21887	Rsa1.0.00045.1	820	328694	1.00E-171	328	335	97 -	1	335	139224	139556
UN21888	Rsa1.0.04415.1	964	147889	1.00E-160	294	295	99 +	3	296	141061	141355
UN21889	Rsa1.0.00089.1	1067	406142	0	988	1016	97 -	51	1065	322148	323152
UN21890	Rsa1.0.00369.1	752	266462	0	558	579	96 -	175	752	186545	187123
UN21891	Rsa1.0.01957.1	730	36844	2.00E-69	183	198	92 +	523	720	23850	24041
UN21892	Rsa1.0.01410.1	712	46345	1.00E-173	329	336	97 +	115	450	33684	34019
UN21893	Rsa1.0.00422.1	595	86144	0	452	463	97 -	3	462	16094	16556
UN21894	Rsa1.0.02901.1	733	26909	0	394	401	98 -	4	403	25992	26392
UN21895	Rsa1.0.00168.1	841	115870	1.00E-156	335	348	96 -	1	347	54746	55085
UN21896	Rsa1.0.02532.1	2128	30403	0	830	849	97 +	1045	1893	1	849
UN21897	Rsa1.0.00047.1	1087	168582	0	528	565	93 -	536	1087	33961	34521
UN21898	Rsa1.0.00991.1	1356	143101	0	696	696	100 -	1	696	137872	138567
UN21899	Rsa1.0.09661.1	767	6226	1.00E-138	263	266	98 +	500	765	1	265
UN21900	Rsa1.0.01724.1	1129	40292	0	564	579	97 +	546	1120	19668	20241
UN21901	Rsa1.0.00896.1	440	60509	1.00E-78	165	169	97 +	3	171	49723	49890
UN21902	Rsa1.0.00402.1	431	385315	1.00E-106	241	256	94 -	1	256	236413	236668
UN21903	Rsa1.0.02508.1	794	30675	0	551	568	97 -	1	567	20736	21302
UN21904	Rsa1.0.00108.1	799	478491	1.00E-161	344	358	96 +	6	362	450980	451332
UN21905	Rsa1.0.00645.1	837	189716	1.00E-102	241	255	94 -	1	252	148716	148968
UN21906	Rsa1.0.00527.1	858	77733	0	455	484	94 +	5	481	24550	25027
UN21907	Rsa1.0.00117.1	1674	213118	0	695	706	98 -	2	706	177367	178072
UN21908	Rsa1.0.00170.1	868	179538	0	479	499	95 +	336	834	22989	23487
UN21909	Rsa1.0.00571.1	1386	329018	0	1314	1320	99 -	52	1371	165653	166972
UN21910	Rsa1.0.05068.1	586	14940	0	352	358	98 -	145	502	6132	6489
UN21911	Rsa1.0.00269.1	929	341668	1.00E-114	209	209	100 -	372	580	322820	323028
UN21912	Rsa1.0.13994.1	942	3941	0	352	357	98 -	250	606	1610	1966
UN21913	Rsa1.0.00239.1	900	104332	0	391	391	100 -	1	391	28808	29198
UN21914	Rsa1.0.35376.1	755	640	1.00E-168	318	324	98 +	385	708	164	487
UN21915	Rsa1.0.01717.1	1157	143162	1.00E-155	317	329	96 +	829	1157	106428	106754
UN21916	Rsa1.0.00427.1	1014	189678	1.00E-100	201	205	98 +	788	992	11409	11611

UN21917	Rsa1.0.00427.1	1301	189678	0	342	344	99 -	959	1301	11816	12159
UN21918	Rsa1.0.02467.1	530	31141	0	504	527	95 +	4	530	15460	15971
UN21919	Rsa1.0.00341.1	885	249309	1.00E-121	300	323	92 +	3	317	4963	5283
UN21920	Rsa1.0.00427.1	1092	189678	1.00E-107	206	209	98 +	509	717	10945	11153
UN21921	Rsa1.0.00062.1	672	299291	1.00E-174	371	389	95 -	3	385	185443	185830
UN21922	Rsa1.0.00113.1	1028	131574	0	619	635	97 +	390	1021	52836	53469
UN21923	Rsa1.0.01958.1	952	261128	1.00E-125	263	275	95 +	319	593	132443	132717
UN21924	Rsa1.0.01651.1	950	41586	1.00E-153	284	287	98 +	166	452	15937	16223
UN21925	Rsa1.0.00354.1	1082	232005	1.00E-126	284	302	94 -	1	302	9448	9740
UN21926	Rsa1.0.01457.1	879	45337	1.00E-148	267	267	100 +	222	488	6330	6596
UN21927	Rsa1.0.12292.1	561	5263	0	545	562	96 -	1	561	172	733
UN21928	Rsa1.0.00773.1	1375	64839	0	900	908	99 -	1	908	25726	26633
UN21929	Rsa1.0.00069.1	1482	403561	0	424	439	96 -	1044	1482	394797	395235
UN21930	Rsa1.0.00865.1	848	61686	0	421	437	96 -	26	459	2371	2807
UN21931	Rsa1.0.08293.1	1004	7593	0	713	718	99 -	287	1004	5267	5983
UN21932	Rsa1.0.03162.1	926	24895	1.00E-159	303	309	98 +	616	924	22626	22934
UN21933	Rsa1.0.02041.1	814	163634	8.00E-88	165	165	100 -	4	168	20259	20423
UN21934	Rsa1.0.01836.1	842	38503	0	329	331	99 -	512	842	5086	5416
UN21935	Rsa1.0.04254.1	804	18258	0	515	538	95 +	1	538	14158	14695
UN21936	Rsa1.0.03241.1	1101	24423	0	1026	1062	96 +	2	1059	5601	6646
UN21937	Rsa1.0.00707.1	1162	190112	0	411	412	99 +	749	1160	156145	156556
UN21938	Rsa1.0.00190.1	1853	318240	0	940	950	98 -	610	1559	191430	192379
UN21939	Rsa1.0.00265.1	759	220635	1.00E-180	343	351	97 +	409	759	197596	197946
UN21940	Rsa1.0.01146.1	659	163455	1.00E-121	239	245	97 -	413	657	41241	41485
UN21941	Rsa1.0.08170.1	852	7799	0	818	846	96 -	3	842	1720	2565
UN21942	Rsa1.0.00610.1	925	72740	1.00E-140	326	347	93 +	485	817	36010	36355
UN21943	Rsa1.0.40553.1	621	553	0	445	450	98 -	173	621	104	553
UN21944	Rsa1.0.00132.1	746	124299	0	413	420	98 +	332	745	46291	46710
UN21945	Rsa1.0.00933.1	1601	59164	0	449	456	98 -	2	457	40175	40628
UN21946	Rsa1.0.05595.1	1650	13228	0	574	579	99 +	1069	1647	5046	5624
UN21947	Rsa1.0.00075.1	1096	146680	0	435	461	94 -	1	460	17393	17836
UN21948	Rsa1.0.04238.1	822	18352	1.00E-71	149	152	98 +	502	653	1658	1806
UN21949	Rsa1.0.01305.1	1333	48730	1.00E-125	246	252	97 -	320	571	13231	13482
UN21950	Rsa1.0.00019.1	977	301669	0	452	464	97 -	1	464	233346	233806
UN21951	Rsa1.0.00926.1	1010	195072	0	493	514	95 +	1	514	41560	42072
UN21952	Rsa1.0.00925.1	806	59481	1.00E-166	333	344	96 -	38	381	8960	9301
UN21953	Rsa1.0.00863.1	639	254535	0	423	430	98 -	3	432	213547	213975
UN21954	Rsa1.0.02400.1	925	31750	1.00E-178	342	350	97 -	3	352	21067	21413
UN21955	Rsa1.0.05239.1	798	14410	0	451	451	100 -	348	798	11682	12132

UN21956	Rsa1.0.01016.1	751	181422	0	480	492	97 +	232	723	171865	172354
UN21957	Rsa1.0.19408.1	703	1436	1.00E-117	278	294	94 +	410	700	391	677
UN21958	Rsa1.0.00179.1	838	393324	1.00E-118	216	216	100 -	32	247	215537	215752
UN21959	Rsa1.0.01482.1	1080	44855	0	403	423	95 +	653	1074	16982	17404
UN21960	Rsa1.0.07471.1	1315	9307	0	696	742	93 -	3	738	1	734
UN21961	Rsa1.0.00055.1	706	520193	0	349	354	98 -	351	704	153885	154237
UN21962	Rsa1.0.01034.1	816	56046	1.00E-113	210	211	99 -	561	771	14273	14483
UN21963	Rsa1.0.00484.1	1385	203294	0	610	615	99 -	773	1385	126854	127468
UN21964	Rsa1.0.08288.1	603	7604	2.00E-93	224	240	93 +	364	603	4335	4571
UN21965	Rsa1.0.00279.1	1199	100039	1.00E-136	265	271	97 -	709	979	83435	83705
UN21966	Rsa1.0.02399.1	1685	31763	1.00E-134	246	247	99 +	331	577	14522	14768
UN21967	Rsa1.0.00773.1	1076	64839	0	428	433	98 -	379	810	1058	1490
UN21968	Rsa1.0.00707.1	929	190112	0	819	842	97 -	92	929	52295	53136
UN21969	Rsa1.0.08558.1	806	7198	0	401	422	95 -	363	770	473	894
UN21970	Rsa1.0.02811.1	700	27669	0	682	695	98 -	3	696	21132	21825
UN21971	Rsa1.0.01207.1	899	141053	0	375	384	97 -	364	747	132857	133240
UN21972	Rsa1.0.00019.1	1347	301669	2.00E-89	174	176	98 +	394	569	113298	113473
UN21973	Rsa1.0.00281.1	751	99908	0	521	538	96 -	46	581	49992	50529
UN21974	Rsa1.0.00717.1	926	67051	0	453	457	99 -	1	457	8485	8941
UN21975	Rsa1.0.00028.1	1044	293984	0	636	646	98 +	1	646	282596	283237
UN21976	Rsa1.0.04630.1	754	16595	1.00E-159	396	421	94 -	338	746	14481	14895
UN21977	Rsa1.0.16965.1	612	1971	1.00E-131	240	241	99 +	371	611	1247	1487
UN21978	Rsa1.0.01562.1	1437	43196	1.00E-143	268	270	99 +	1169	1437	10038	10307
UN21979	Rsa1.0.06791.1	1045	10350	0	839	890	94 +	20	907	6538	7421
UN21980	Rsa1.0.01649.1	933	41624	0	567	569	99 +	361	929	18793	19361
UN21981	Rsa1.0.00152.1	963	257730	0	382	388	98 +	575	962	11897	12281
UN21982	Rsa1.0.00504.1	1327	79334	1.00E-136	291	301	96 -	1030	1327	36019	36317
UN21983	Rsa1.0.01814.1	727	38917	0	494	521	94 +	11	525	37186	37704
UN21984	Rsa1.0.00616.1	662	195713	0	453	466	97 +	198	662	181781	182245
UN21985	Rsa1.0.01220.1	1083	161775	1.00E-148	270	271	99 -	283	553	30769	31039
UN21986	Rsa1.0.01056.1	1029	55449	1.00E-143	273	278	98 +	750	1027	40196	40473
UN21987	Rsa1.0.00071.1	762	345714	0	355	356	99 +	2	357	206158	206512
UN21988	Rsa1.0.02601.1	909	29654	0	356	358	99 -	43	400	26835	27192
UN21989	Rsa1.0.06002.1	1586	11976	0	547	555	98 +	625	1179	5767	6321
UN21990	Rsa1.0.01376.1	1049	47004	1.00E-99	188	189	99 -	417	605	38534	38722
UN21991	Rsa1.0.00081.1	752	143261	0	398	407	97 +	67	473	126206	126612
UN21992	Rsa1.0.04198.1	668	18504	0	531	532	99 +	137	667	15581	16112
UN21993	Rsa1.0.00157.1	1022	245832	1.00E-116	230	236	97 +	1	236	134929	135164
UN21994	Rsa1.0.00627.1	1741	71566	0	584	602	97 +	1138	1737	63352	63952

UN21995	Rsa1.0.02901.1	821	26909	1.00E-170	306	307	99 -	9	315	21290	21596
UN21996	Rsa1.0.00300.1	1335	97747	0	547	574	95 +	76	643	81510	82074
UN21997	Rsa1.0.01272.1	503	49553	0	343	350	98 -	154	503	27964	28313
UN21998	Rsa1.0.02848.1	1560	27329	0	610	615	99 +	568	1182	23818	24432
UN21999	Rsa1.0.01632.1	447	181224	0	428	443	96 +	3	445	145796	146226
UN22000	Rsa1.0.00407.1	609	191544	0	594	619	95 +	1	609	43102	43716
UN22001	Rsa1.0.01866.1	698	37961	0	411	418	98 +	277	693	36635	37049
UN22002	Rsa1.0.02257.1	1067	33318	2.00E-73	150	153	98 +	508	660	21062	21214
UN22003	Rsa1.0.00639.1	760	165873	0	512	521	98 +	233	749	124129	124649
UN22004	Rsa1.0.01783.1	784	39383	0	419	437	95 +	1	435	9429	9865
UN22005	Rsa1.0.02281.1	852	292576	0	467	473	98 -	1	472	16469	16941
UN22006	Rsa1.0.00626.1	1069	71582	0	350	353	99 +	62	414	54678	55030
UN22007	Rsa1.0.03741.1	1029	143933	0	597	619	96 -	1	613	4881	5498
UN22008	Rsa1.0.00153.1	754	192931	1.00E-112	226	230	98 +	526	754	168694	168922
UN22009	Rsa1.0.00015.1	691	561803	1.00E-121	228	229	99 +	463	691	463749	463976
UN22010	Rsa1.0.05331.1	1030	14127	0	444	444	100 -	3	446	7854	8297
UN22011	Rsa1.0.00197.1	870	109714	0	609	622	97 -	252	870	87936	88556
UN22012	Rsa1.0.00269.1	1016	341668	0	526	539	97 -	480	1012	247456	247994
UN22013	Rsa1.0.01898.1	604	37491	0	441	448	98 +	158	604	33926	34373
UN22014	Rsa1.0.00108.1	1023	478491	5.00E-99	196	200	98 -	271	470	134964	135163
UN22015	Rsa1.0.00110.1	788	132719	0	344	345	99 +	443	787	4280	4624
UN22016	Rsa1.0.00087.1	1586	761073	1.00E-171	317	321	98 -	1266	1586	11695	12015
UN22017	Rsa1.0.00926.1	1008	195072	0	482	505	95 +	1	503	41569	42072
UN22018	Rsa1.0.00564.1	1288	75428	1.00E-161	324	333	97 +	19	350	55499	55830
UN22019	Rsa1.0.00767.1	1458	64980	1.00E-139	295	309	95 +	937	1239	18547	18852
UN22020	Rsa1.0.02163.1	1230	34427	1.00E-142	281	289	97 -	478	766	4861	5149
UN22021	Rsa1.0.02488.1	928	30913	0	458	464	98 +	2	465	29806	30269
UN22022	Rsa1.0.14454.1	1591	3372	0	599	627	95 +	118	742	2746	3372
UN22023	Rsa1.0.03610.1	732	21797	1.00E-180	331	335	98 -	108	442	17230	17564
UN22024	Rsa1.0.02663.1	1648	169243	0	686	743	92 -	1	742	7793	8505
UN22025	Rsa1.0.00126.1	1295	127534	1.00E-149	301	312	96 +	345	656	37050	37361
UN22026	Rsa1.0.00440.1	1192	84723	1.00E-161	300	304	98 +	3	306	46570	46873
UN22027	Rsa1.0.00679.1	851	68971	1.00E-125	301	322	93 -	540	851	65779	66100
UN22028	Rsa1.0.07482.1	827	9278	0	607	631	96 -	1	629	1004	1633
UN22029	Rsa1.0.00614.1	1106	72276	1.00E-136	253	254	99 +	1	254	26554	26806
UN22030	Rsa1.0.04161.1	693	18788	1.00E-107	267	286	93 -	1	285	2612	2891
UN22031	Rsa1.0.00788.1	1292	64237	0	1172	1211	96 +	79	1287	22542	23752
UN22032	Rsa1.0.09608.1	795	6256	1.00E-89	171	172	99 -	1	172	172	343
UN22033	Rsa1.0.00034.1	834	260119	1.00E-131	277	292	94 -	2	282	89248	89539

UN22034	Rsa1.0_00944.1	604	58733	0	441	462	95 -	2	454	35701	36160
UN22035	Rsa1.0_04779.1	978	16008	1.00E-120	326	358	91 -	631	975	9409	9765
UN22036	Rsa1.0_00504.1	967	79334	1.00E-159	314	321	97 +	16	335	35998	36317
UN22037	Rsa1.0_00248.1	956	163568	0	741	759	97 -	201	956	40076	40834
UN22038	Rsa1.0_11080.1	1152	5623	1.00E-175	344	352	97 +	1	352	1165	1514
UN22039	Rsa1.0_02373.1	1436	32048	0	575	576	99 +	5	580	8545	9119
UN22040	Rsa1.0_01836.1	878	38503	0	331	332	99 +	1	332	5086	5416
UN22041	Rsa1.0_02103.1	1049	35006	0	610	627	97 -	424	1048	13471	14094
UN22042	Rsa1.0_00697.1	1516	67913	0	475	484	98 +	745	1228	61996	62479
UN22043	Rsa1.0_00729.1	1086	66690	0	552	559	98 +	528	1086	49670	50228
UN22044	Rsa1.0_00009.1	994	232558	0	750	776	96 -	1	765	11234	12008
UN22045	Rsa1.0_04377.1	677	17658	0	651	677	96 -	2	677	5458	6130
UN22046	Rsa1.0_01512.1	1293	44234	0	357	363	98 -	394	756	9997	10359
UN22047	Rsa1.0_00741.1	877	66117	0	546	568	96 -	1	566	61288	61851
UN22048	Rsa1.0_02373.1	992	32048	0	416	422	98 +	1	422	8698	9119
UN22049	Rsa1.0_01882.1	1471	37697	0	1251	1269	98 +	5	1270	4733	6001
UN22050	Rsa1.0_45280.1	947	498	1.00E-83	158	158	100 +	211	368	136	293
UN22051	Rsa1.0_02826.1	885	27560	2.00E-91	228	242	94 +	4	242	14841	15075
UN22052	Rsa1.0_00693.1	972	161311	0	383	394	97 -	3	393	61031	61424
UN22053	Rsa1.0_08430.1	1445	7367	0	381	384	99 -	1	384	2169	2551
UN22054	Rsa1.0_08717.1	692	7008	0	513	535	95 -	22	553	2884	3412
UN22055	Rsa1.0_02001.1	1025	36198	0	786	824	95 -	3	819	31728	32544
UN22056	Rsa1.0_01505.1	797	44382	4.00E-68	132	132	100 +	403	534	36671	36802
UN22057	Rsa1.0_00504.1	1170	79334	1.00E-121	222	222	100 -	282	503	31151	31372
UN22058	Rsa1.0_18326.1	916	1620	0	402	415	96 +	500	914	1205	1616
UN22059	Rsa1.0_00136.1	895	122464	0	596	596	100 +	253	848	115441	116036
UN22060	Rsa1.0_01771.1	1259	172709	0	698	716	97 -	3	714	169301	170013
UN22061	Rsa1.0_02265.1	1328	33233	0	447	454	98 +	810	1263	5156	5608
UN22062	Rsa1.0_01674.1	1007	168300	0	636	642	99 -	2	640	19673	20314
UN22063	Rsa1.0_05569.1	1112	13311	0	488	503	97 +	8	508	4080	4579
UN22064	Rsa1.0_00467.1	1003	156542	1.00E-141	269	274	98 +	730	1003	91898	92171
UN22065	Rsa1.0_00279.1	1235	100039	1.00E-121	232	234	99 -	1002	1235	83118	83350
UN22066	Rsa1.0_04138.1	813	18898	0	530	534	99 -	222	752	3420	3953
UN22067	Rsa1.0_00417.1	1049	395068	0	495	523	94 -	16	538	259259	259778
UN22068	Rsa1.0_11602.1	881	5461	1.00E-153	281	282	99 +	11	291	4024	4305
UN22069	Rsa1.0_01800.1	924	39109	0	553	565	97 +	309	873	6664	7227
UN22070	Rsa1.0_00160.1	1899	346678	1.00E-137	262	265	98 -	1	264	330046	330310
UN22071	Rsa1.0_00427.1	1290	189678	0	437	453	96 -	843	1289	38444	38894
UN22072	Rsa1.0_00081.1	1485	143261	0	391	392	99 -	825	1216	125251	125642

UN22073	Rsa1.0.03264.1	1115	145959	1.00E-90	189	194	97 +	920	1112	130936	131129
UN22074	Rsa1.0.02690.1	1021	28629	1.00E-121	246	253	97 +	763	1014	17941	18193
UN22075	Rsa1.0.00069.1	1132	403561	0	619	633	97 +	1	633	130925	131556
UN22076	Rsa1.0.00469.1	1195	82084	1.00E-118	229	233	98 +	963	1195	70008	70240
UN22077	Rsa1.0.31288.1	2150	731	0	553	561	98 -	1590	2150	171	731
UN22078	Rsa1.0.04400.1	878	17529	0	604	639	94 +	30	665	10902	11524
UN22079	Rsa1.0.00942.1	774	58873	1.00E-165	337	347	97 -	1	346	3175	3519
UN22080	Rsa1.0.00313.1	729	96745	1.00E-150	294	301	97 +	429	729	79688	79987
UN22081	Rsa1.0.01278.1	1542	49370	0	331	334	99 -	1209	1542	27597	27930
UN22082	Rsa1.0.00045.1	764	328694	0	346	349	99 +	417	764	189602	189950
UN22083	Rsa1.0.00111.1	905	390088	0	708	710	99 +	1	710	374000	374709
UN22084	Rsa1.0.02019.1	1437	35983	0	1409	1436	98 +	4	1436	17685	19120
UN22085	Rsa1.0.00229.1	1412	105471	0	474	494	95 +	919	1412	32875	33367
UN22086	Rsa1.0.00168.1	941	115870	0	663	681	97 -	1	677	39841	40520
UN22087	Rsa1.0.00359.1	1827	91256	0	618	630	98 +	632	1261	46725	47354
UN22088	Rsa1.0.00134.1	1727	390219	0	860	877	98 +	824	1700	155036	155907
UN22089	Rsa1.0.03413.1	967	23137	0	362	367	98 +	3	367	22081	22445
UN22090	Rsa1.0.04463.1	782	17247	0	763	786	97 -	1	780	8275	9057
UN22091	Rsa1.0.00019.1	1333	301669	0	590	617	95 -	635	1239	100111	100727
UN22092	Rsa1.0.00002.1	1293	601661	1.00E-168	318	323	98 -	973	1293	245807	246129
UN22093	Rsa1.0.00533.1	930	77375	1.00E-157	309	316	97 +	1	314	52304	52618
UN22094	Rsa1.0.00108.1	944	478491	0	498	506	98 -	439	944	431788	432289
UN22095	Rsa1.0.00838.1	1163	153820	1.00E-144	286	291	98 +	876	1163	35295	35585
UN22096	Rsa1.0.00384.1	1042	89278	1.00E-145	294	302	97 -	1	302	81388	81682
UN22097	Rsa1.0.00911.1	1519	59943	0	929	946	98 +	567	1512	20536	21481
UN22098	Rsa1.0.02568.1	1371	30015	0	589	609	96 -	765	1371	9871	10477
UN22099	Rsa1.0.02961.1	1648	26435	0	1609	1648	97 +	2	1648	14550	16194
UN22100	Rsa1.0.31858.1	671	716	0	506	510	99 +	3	511	207	716
UN22101	Rsa1.0.05332.1	863	14123	1.00E-129	243	246	98 +	209	454	8375	8620
UN22102	Rsa1.0.01860.1	983	38057	0	477	490	97 -	479	965	25842	26331
UN22103	Rsa1.0.00201.1	650	232851	0	393	410	95 +	1	404	72588	72994
UN22104	Rsa1.0.00006.1	783	396176	1.00E-165	307	310	99 -	476	783	9138	9447
UN22105	Rsa1.0.11519.1	920	5480	0	436	436	100 -	3	438	4924	5359
UN22106	Rsa1.0.01611.1	1003	42269	1.00E-166	318	325	97 -	268	592	25469	25793
UN22107	Rsa1.0.00426.1	1542	85668	1.00E-108	209	212	98 +	340	551	34554	34765
UN22108	Rsa1.0.00003.1	1012	340054	0	369	379	97 -	1	378	4541	4917
UN22109	Rsa1.0.00323.1	1395	159650	0	372	375	99 -	1019	1393	144840	145214
UN22110	Rsa1.0.00556.1	810	207212	0	788	818	96 +	3	810	43740	44553
UN22111	Rsa1.0.00069.1	757	403561	0	357	366	97 -	138	503	354429	354794

UN22112	Rsa1.0.00292.1	764	98141	1.00E-134	274	283	96 -	7	288	6664	6946
UN22113	Rsa1.0.03423.1	720	23064	1.00E-130	242	244	99 -	4	247	11403	11646
UN22114	Rsa1.0.14714.1	615	3134	1.00E-115	221	224	98 +	2	225	2914	3134
UN22115	Rsa1.0.01007.1	975	56933	0	728	755	96 +	2	755	48021	48774
UN22116	Rsa1.0.00988.1	935	57525	1.00E-172	327	334	97 +	1	334	27339	27672
UN22117	Rsa1.0.04827.1	757	15815	0	632	640	98 +	118	757	14237	14876
UN22118	Rsa1.0.00855.1	777	62047	0	744	779	95 -	2	777	22745	23521
UN22119	Rsa1.0.03028.1	1106	25872	1.00E-120	272	286	95 +	70	351	20174	20458
UN22120	Rsa1.0.00504.1	1266	79334	1.00E-155	314	322	97 +	16	336	35998	36317
UN22121	Rsa1.0.11366.1	1233	5532	0	343	349	98 +	1	349	2578	2923
UN22122	Rsa1.0.03831.1	1140	20579	1.00E-117	278	295	94 +	9	290	18126	18420
UN22123	Rsa1.0.02490.1	1038	30885	1.00E-173	338	348	97 -	418	765	5982	6329
UN22124	Rsa1.0.06648.1	804	10603	1.00E-159	297	300	99 -	506	804	4515	4814
UN22125	Rsa1.0.03426.1	1083	23010	0	632	636	99 +	447	1081	10632	11267
UN22126	Rsa1.0.03759.1	768	20987	0	756	768	98 +	1	768	15431	16197
UN22127	Rsa1.0.00002.1	1387	601661	0	708	716	98 +	259	974	35605	36320
UN22128	Rsa1.0.03077.1	1084	25558	1.00E-156	315	324	97 +	1	323	6665	6987
UN22129	Rsa1.0.09218.1	1072	6550	0	534	554	96 +	1	547	263	816
UN22130	Rsa1.0.00571.1	548	329018	1.00E-155	355	375	94 -	4	374	159412	159783
UN22131	Rsa1.0.03191.1	1632	145762	0	655	681	96 +	948	1626	134735	135415
UN22132	Rsa1.0.18565.1	772	1573	0	330	330	100 -	1	330	1014	1343
UN22133	Rsa1.0.03149.1	1356	24983	0	1352	1353	99 +	1	1353	13808	15159
UN22134	Rsa1.0.01518.1	1728	141402	0	1401	1408	99 +	3	1410	117711	119118
UN22135	Rsa1.0.00978.1	957	57739	0	607	640	94 +	3	636	41966	42599
UN22136	Rsa1.0.00243.1	817	103651	0	449	455	98 -	365	817	63690	64143
UN22137	Rsa1.0.04489.1	789	17145	3.00E-96	244	263	92 +	531	787	14197	14458
UN22138	Rsa1.0.16553.1	461	2115	1.00E-133	262	269	97 -	177	441	1	269
UN22139	Rsa1.0.02214.1	846	161150	1.00E-95	205	210	97 +	27	235	238	445
UN22140	Rsa1.0.01049.1	837	55655	2.00E-94	223	235	94 +	9	242	33859	34090
UN22141	Rsa1.0.00556.1	722	207212	0	716	721	99 +	1	719	43757	44477
UN22142	Rsa1.0.01039.1	1531	55946	0	415	417	99 +	1	417	37237	37653
UN22143	Rsa1.0.00614.1	1167	72276	1.00E-173	350	362	96 +	678	1036	27549	27908
UN22144	Rsa1.0.00114.1	1051	131330	0	770	778	98 +	1	778	95481	96258
UN22145	Rsa1.0.00008.1	1199	358124	0	504	510	98 +	1	510	85144	85653
UN22146	Rsa1.0.07974.1	965	8147	0	730	746	97 -	222	965	957	1701
UN22147	Rsa1.0.00375.1	789	90207	1.00E-132	319	339	94 +	453	786	2405	2743
UN22148	Rsa1.0.02016.1	1184	36003	1.00E-149	277	280	98 -	1	280	35178	35457
UN22149	Rsa1.0.00526.1	908	169279	0	620	631	98 -	282	908	126148	126774
UN22150	Rsa1.0.05095.1	697	14869	1.00E-165	294	294	100 -	1	294	773	1066

UN22151	Rsa1.0.00101.1	700	267193	0	357	358	99 +	343	700	47238	47595
UN22152	Rsa1.0.06940.1	1134	10137	1.00E-180	399	423	94 +	1	420	8335	8757
UN22153	Rsa1.0.00060.1	1013	502678	0	970	1019	95 +	7	1011	128121	129126
UN22154	Rsa1.0.00045.1	1803	328694	1.00E-163	292	292	100 +	9	300	11895	12186
UN22155	Rsa1.0.01146.1	1004	163455	1.00E-107	255	271	94 -	1	263	25092	25360
UN22156	Rsa1.0.07706.1	833	8752	0	673	675	99 -	158	832	8078	8752
UN22157	Rsa1.0.00415.1	824	86795	0	412	427	96 +	398	823	6755	7177
UN22158	Rsa1.0.02215.1	910	33822	1.00E-179	331	334	99 +	519	851	27167	27500
UN22159	Rsa1.0.00113.1	1170	131574	0	621	634	97 +	521	1152	52836	53469
UN22160	Rsa1.0.03329.1	1250	23676	0	559	565	98 -	2	566	22571	23135
UN22161	Rsa1.0.00168.1	1067	115870	0	744	767	97 +	304	1066	39841	40606
UN22162	Rsa1.0.03253.1	2144	24321	0	757	786	96 -	762	1540	13387	14159
UN22163	Rsa1.0.04630.1	770	16595	1.00E-154	403	435	92 -	343	766	14470	14895
UN22164	Rsa1.0.02257.1	1243	33318	1.00E-117	230	235	97 -	245	479	21475	21709
UN22165	Rsa1.0.08230.1	1032	7688	0	348	350	99 +	683	1032	5325	5673
UN22166	Rsa1.0.00047.1	990	168582	0	522	550	94 +	1	540	33976	34521
UN22167	Rsa1.0.00240.1	1204	104175	0	341	342	99 -	3	344	54892	55233
UN22168	Rsa1.0.00059.1	1744	159650	0	848	870	97 +	9	871	88304	89170
UN22169	Rsa1.0.05411.1	1690	13838	0	1654	1692	97 -	3	1690	7559	9250
UN22170	Rsa1.0.11522.1	754	5479	1.00E-143	292	301	97 +	1	298	5025	5325
UN22171	Rsa1.0.00135.1	936	178077	0	368	368	100 -	250	617	169208	169575
UN22172	Rsa1.0.04236.1	930	18370	1.00E-178	340	345	98 -	582	925	12239	12582
UN22173	Rsa1.0.00357.1	558	173671	1.00E-130	245	247	99 -	251	497	146382	146627
UN22174	Rsa1.0.00959.1	902	58202	0	356	364	97 +	1	360	3594	3957
UN22175	Rsa1.0.00870.1	1220	61606	0	613	631	97 -	589	1219	27262	27892
UN22176	Rsa1.0.00067.1	552	415055	1.00E-135	285	296	96 +	255	546	351902	352194
UN22177	Rsa1.0.02161.1	1117	34459	0	431	467	92 -	583	1046	32620	33077
UN22178	Rsa1.0.09422.1	1202	6381	0	1023	1045	97 +	158	1202	1652	2696
UN22179	Rsa1.0.02239.1	757	33534	1.00E-139	304	319	95 +	2	318	9636	9949
UN22180	Rsa1.0.00925.1	1669	59481	0	484	485	99 -	1185	1669	5600	6084
UN22181	Rsa1.0.00020.1	1261	283099	0	417	424	98 +	831	1254	140893	141315
UN22182	Rsa1.0.09218.1	1269	6550	0	560	584	95 +	1	574	234	816
UN22183	Rsa1.0.18860.1	1099	1522	0	403	406	99 -	693	1097	1117	1522
UN22184	Rsa1.0.05239.1	786	14410	0	425	448	94 -	351	786	11688	12132
UN22185	Rsa1.0.01041.1	833	55910	0	364	375	97 -	464	833	26416	26790
UN22186	Rsa1.0.01058.1	1564	55430	1.00E-147	283	289	97 +	584	872	17057	17345
UN22187	Rsa1.0.03867.1	756	20369	0	570	575	99 +	175	748	15194	15767
UN22188	Rsa1.0.32336.1	910	704	1.00E-160	287	287	100 -	622	908	377	663
UN22189	Rsa1.0.00707.1	1664	190112	0	909	916	99 -	749	1663	52224	53136

UN22190	Rsa1.0.01484.1	1672	44806	0	336	338	99 -	463	800	15912	16249
UN22191	Rsa1.0.01076.1	906	54835	0	356	360	98 -	2	361	39978	40337
UN22192	Rsa1.0.00767.1	1292	64980	1.00E-139	337	366	92 -	3	360	18547	18899
UN22193	Rsa1.0.07425.1	1237	9414	1.00E-145	268	270	99 -	246	515	4707	4976
UN22194	Rsa1.0.00190.1	735	318240	1.00E-154	292	297	98 +	439	735	8210	8506
UN22195	Rsa1.0.01146.1	700	163455	1.00E-161	340	356	95 -	346	700	153463	153818
UN22196	Rsa1.0.00805.1	2027	63724	0	804	851	94 -	778	1619	57519	58369
UN22197	Rsa1.0.01104.1	1438	285480	0	820	862	95 -	576	1435	263887	264748
UN22198	Rsa1.0.01076.1	996	54835	1.00E-151	338	358	94 +	646	995	39978	40334
UN22199	Rsa1.0.00083.1	889	442773	0	507	512	99 +	1	512	323907	324417
UN22200	Rsa1.0.00115.1	2340	131321	1.00E-134	294	311	94 -	2011	2321	34887	35197
UN22201	Rsa1.0.00019.1	1303	301669	0	543	562	96 -	681	1239	100166	100727
UN22202	Rsa1.0.01882.1	684	37697	0	660	689	95 +	2	683	4741	5428
UN22203	Rsa1.0.01421.1	746	46197	0	592	614	96 +	1	613	18231	18831
UN22204	Rsa1.0.00223.1	827	106231	1.00E-150	287	293	97 +	334	626	40246	40538
UN22205	Rsa1.0.08230.1	838	7688	1.00E-147	298	309	96 +	529	837	5325	5629
UN22206	Rsa1.0.04194.1	1148	132734	5.00E-56	177	195	90 -	957	1148	117325	117518
UN22207	Rsa1.0.00879.1	588	61297	0	577	586	98 -	1	585	10965	11549
UN22208	Rsa1.0.00925.1	1160	59481	0	1086	1103	98 +	30	1126	46296	47397
UN22209	Rsa1.0.08970.1	1870	6743	1.00E-131	305	325	93 -	7	325	415	731
UN22210	Rsa1.0.01213.1	1018	50616	0	459	471	97 +	243	710	10242	10712
UN22211	Rsa1.0.01056.1	792	55449	1.00E-129	277	291	95 +	1	288	38756	39039
UN22212	Rsa1.0.00566.1	444	75325	1.00E-168	315	319	98 -	1	317	61768	62086
UN22213	Rsa1.0.00415.1	704	86795	1.00E-133	262	269	97 +	101	369	6401	6669
UN22214	Rsa1.0.00131.1	765	432233	1.00E-134	305	323	94 +	444	758	96212	96530
UN22215	Rsa1.0.01884.1	1179	37659	0	477	485	98 -	510	994	17511	17995
UN22216	Rsa1.0.00019.1	768	301669	1.00E-176	402	431	93 +	8	432	293080	293498
UN22217	Rsa1.0.00351.1	870	413096	6.00E-92	178	180	98 -	380	559	133715	133894
UN22218	Rsa1.0.26227.1	848	900	0	549	554	99 +	70	623	347	900
UN22219	Rsa1.0.55072.1	1001	415	1.00E-174	369	386	95 +	100	483	1	386
UN22220	Rsa1.0.00040.1	496	324196	1.00E-100	243	261	93 -	63	318	228102	228355
UN22221	Rsa1.0.00489.1	782	80434	1.00E-131	264	273	96 -	373	645	47295	47567
UN22222	Rsa1.0.00111.1	721	390088	0	694	724	95 +	4	721	374002	374721
UN22223	Rsa1.0.02429.1	978	31527	3.00E-94	276	306	90 -	691	978	29017	29320
UN22224	Rsa1.0.05745.1	1027	12750	1.00E-126	241	244	98 +	1	242	2828	3071
UN22225	Rsa1.0.00220.1	1031	192936	1.00E-179	360	373	96 +	3	375	18977	19347
UN22226	Rsa1.0.08916.1	1637	6792	0	1227	1283	95 -	4	1277	5334	6606
UN22227	Rsa1.0.00744.1	985	66084	0	412	437	94 -	10	444	54853	55289
UN22228	Rsa1.0.07425.1	767	9414	1.00E-131	266	276	96 -	215	490	4707	4976

UN22229	Rsa1.0.03043.1	820	130531	1.00E-126	331	363	91 +	1	360	128248	128603
UN22230	Rsa1.0.00026.1	755	327835	1.00E-175	319	320	99 -	430	748	29222	29541
UN22231	Rsa1.0.01206.1	1400	50772	0	421	421	100 +	3	423	38746	39166
UN22232	Rsa1.0.54025.1	884	422	0	414	422	98 -	239	657	1	422
UN22233	Rsa1.0.02365.1	1001	32118	0	379	386	98 -	8	391	12194	12578
UN22234	Rsa1.0.00135.1	763	178077	1.00E-173	353	368	95 -	250	617	169208	169575
UN22235	Rsa1.0.00917.1	1666	182012	0	737	738	99 -	2	738	177109	177846
UN22236	Rsa1.0.00924.1	553	59524	2.00E-69	167	178	93 -	41	213	4568	4745
UN22237	Rsa1.0.00475.1	656	81678	1.00E-174	326	330	98 +	6	335	26870	27198
UN22238	Rsa1.0.01376.1	843	47004	0	447	463	96 +	3	465	40123	40582
UN22239	Rsa1.0.01061.1	1224	55349	0	694	704	98 -	523	1224	29539	30241
UN22240	Rsa1.0.05745.1	1124	12750	1.00E-148	319	334	95 -	795	1124	2741	3071
UN22241	Rsa1.0.07877.1	1082	8373	1.00E-147	325	343	94 +	747	1082	5639	5979
UN22242	Rsa1.0.00876.1	1419	61328	1.00E-179	324	326	99 +	1094	1419	51226	51551
UN22243	Rsa1.0.05332.1	1013	14123	1.00E-154	282	284	99 +	238	521	8337	8620
UN22244	Rsa1.0.00013.1	1266	292129	1.00E-158	283	283	100 -	1	283	236975	237257
UN22245	Rsa1.0.20262.1	1170	1323	0	647	649	99 +	3	651	357	1004
UN22246	Rsa1.0.04876.1	1053	15631	1.00E-155	281	282	99 -	770	1051	4225	4506
UN22247	Rsa1.0.00469.1	823	82084	0	424	424	100 -	399	822	45064	45487
UN22248	Rsa1.0.00067.1	993	415055	0	982	998	98 -	3	993	415	1411
UN22249	Rsa1.0.00339.1	1021	222974	0	399	400	99 +	1	400	210664	211062
UN22250	Rsa1.0.00689.1	987	68305	0	358	364	98 -	624	987	23515	23878
UN22251	Rsa1.0.01176.1	589	51638	0	368	383	96 +	185	567	28134	28516
UN22252	Rsa1.0.00041.1	1077	186197	0	721	738	97 +	340	1074	157071	157808
UN22253	Rsa1.0.02429.1	949	31527	1.00E-144	263	264	99 +	1	264	29057	29320
UN22254	Rsa1.0.00051.1	754	258225	0	483	488	98 +	2	489	62874	63361
UN22255	Rsa1.0.00269.1	933	341668	1.00E-151	349	367	95 -	1	363	45768	46131
UN22256	Rsa1.0.01811.1	577	38977	0	420	421	99 +	136	556	26394	26813
UN22257	Rsa1.0.07193.1	1183	9752	1.00E-175	319	320	99 +	864	1183	4357	4675
UN22258	Rsa1.0.00303.1	1021	97468	1.00E-134	249	251	99 -	769	1019	38481	38731
UN22259	Rsa1.0.00744.1	1757	66084	1.00E-102	233	244	95 +	1140	1380	18800	19041
UN22260	Rsa1.0.00253.1	1280	231292	0	490	498	98 +	2	499	204463	204960
UN22261	Rsa1.0.00148.1	697	120234	0	676	697	96 -	8	697	63788	64484
UN22262	Rsa1.0.03465.1	991	22700	1.00E-104	236	250	94 -	5	245	11014	11263
UN22263	Rsa1.0.62614.1	777	366	1.00E-137	266	272	97 -	328	599	1	272
UN22264	Rsa1.0.00693.1	1015	161311	0	349	354	98 -	662	1015	60122	60475
UN22265	Rsa1.0.00033.1	784	515811	0	421	430	97 -	355	783	366406	366835
UN22266	Rsa1.0.00116.1	984	365886	1.00E-134	288	298	96 +	617	910	315711	316007
UN22267	Rsa1.0.00978.1	957	57739	0	604	641	94 +	4	641	41966	42599

UN22268	Rsa1.0.00988.1	1034	57525	0	382	398	95 -	639	1034	27283	27672
UN22269	Rsa1.0.04994.1	1105	15199	0	402	418	96 +	635	1051	5955	6369
UN22270	Rsa1.0.01922.1	671	37236	0	382	383	99 +	9	390	12528	12910
UN22271	Rsa1.0.00652.1	925	70089	1.00E-104	228	239	95 -	678	916	22798	23033
UN22272	Rsa1.0.00111.1	951	390088	0	659	678	97 +	1	671	373996	374673
UN22273	Rsa1.0.09126.1	744	6625	0	589	614	95 +	18	629	5100	5707
UN22274	Rsa1.0.00040.1	799	324196	1.00E-145	308	321	95 -	2	320	315220	315539
UN22275	Rsa1.0.09917.1	626	6091	1.00E-171	352	366	96 -	1	365	934	1295
UN22276	Rsa1.0.08750.1	1065	6961	1.00E-175	335	342	97 -	703	1044	6080	6419
UN22277	Rsa1.0.13824.1	1117	4259	0	392	395	99 -	3	397	2919	3313
UN22278	Rsa1.0.00253.1	2377	231292	0	974	1007	96 +	3	1009	95951	96954
UN22279	Rsa1.0.00141.1	816	121494	1.00E-176	369	388	95 -	1	385	20677	21051
UN22280	Rsa1.0.00635.1	808	175826	1.00E-141	288	296	97 -	503	792	14112	14407
UN22281	Rsa1.0.11698.1	823	5438	0	396	396	100 -	428	823	1091	1486
UN22282	Rsa1.0.00437.1	890	84879	1.00E-139	267	272	98 -	603	874	64087	64358
UN22283	Rsa1.0.00884.1	950	61150	0	933	945	98 -	6	950	48041	48981
UN22284	Rsa1.0.04794.1	798	15960	0	371	384	96 +	88	471	6544	6926
UN22285	Rsa1.0.00437.1	799	84879	8.00E-94	230	248	92 -	8	255	15436	15674
UN22286	Rsa1.0.04846.1	1019	15739	0	534	556	96 +	438	991	13280	13832
UN22287	Rsa1.0.16906.1	1192	1993	2.33E-156	276	280	98 -	1	280	4	283
UN22288	Rsa1.0.08970.1	748	6743	1.00E-141	305	321	95 -	2	319	415	731
UN22289	Rsa1.0.05491.1	838	13554	1.00E-122	228	230	99 -	609	838	7004	7233
UN22290	Rsa1.0.05795.1	1127	12609	0	600	603	99 -	525	1127	1091	1693
UN22291	Rsa1.0.01509.1	868	44258	0	502	522	96 +	350	868	16019	16538
UN22292	Rsa1.0.00083.1	900	442773	0	506	515	98 -	386	900	323904	324417
UN22293	Rsa1.0.02072.1	830	35401	1.00E-167	301	302	99 -	529	830	18052	18353
UN22294	Rsa1.0.00231.1	960	105381	0	356	358	99 +	1	358	29945	30302
UN22295	Rsa1.0.00123.1	1404	325650	0	755	760	99 +	645	1404	272132	272890
UN22296	Rsa1.0.10547.1	907	5807	0	415	438	94 -	483	907	40	476
UN22297	Rsa1.0.00190.1	1611	318240	1.00E-115	234	239	97 -	1361	1597	87808	88045
UN22298	Rsa1.0.03191.1	1653	145762	0	658	679	96 -	3	681	134735	135413
UN22299	Rsa1.0.00179.1	838	393324	0	494	523	94 +	1	512	45019	45538
UN22300	Rsa1.0.01939.1	939	37124	0	360	369	97 +	578	939	33165	33533
UN22301	Rsa1.0.05748.1	657	12749	0	567	577	98 -	80	655	10377	10953
UN22302	Rsa1.0.00175.1	869	166121	0	679	685	99 -	3	687	38440	39124
UN22303	Rsa1.0.01060.1	754	55368	1.00E-113	267	280	95 -	1	273	40139	40416
UN22304	Rsa1.0.00804.1	784	63726	0	367	380	96 +	3	382	51930	52307
UN22305	Rsa1.0.00179.1	806	393324	0	476	480	99 -	327	806	45059	45538
UN22306	Rsa1.0.00049.1	1116	167018	0	715	735	97 +	1	723	6994	7728

UN22307	Rsa1.0.00358.1	741	91293	2.00E-94	245	261	93 +	6	264	35090	35343
UN22308	Rsa1.0.00220.1	928	192936	1.00E-154	277	277	100 +	650	926	152562	152838
UN22309	Rsa1.0.00112.1	665	132199	0	496	500	99 -	159	658	43245	43740
UN22310	Rsa1.0.01553.1	897	43379	0	531	543	97 +	366	897	2337	2879
UN22311	Rsa1.0.02395.1	768	31785	0	379	379	100 +	390	768	8334	8712
UN22312	Rsa1.0.00937.1	840	59061	0	783	802	97 +	3	804	22552	23349
UN22313	Rsa1.0.14400.1	999	3430	0	634	678	93 -	2	668	1	674
UN22314	Rsa1.0.00220.1	1111	192936	0	444	454	97 +	3	455	143007	143460
UN22315	Rsa1.0.00805.1	1317	63724	1.00E-180	365	379	96 +	1	379	7013	7388
UN22316	Rsa1.0.00026.1	798	327835	0	577	593	97 +	189	781	1485	2077
UN22317	Rsa1.0.54025.1	854	422	0	409	422	96 +	225	640	1	422
UN22318	Rsa1.0.02964.1	1026	26407	1.00E-163	295	296	99 +	731	1026	14541	14836
UN22319	Rsa1.0.01327.1	1280	48033	0	337	337	100 +	8	344	14641	14977
UN22320	Rsa1.0.01926.1	1400	37206	1.00E-160	309	316	97 +	1082	1397	6451	6763
UN22321	Rsa1.0.00037.1	750	307838	0	656	671	97 +	42	712	293352	294022
UN22322	Rsa1.0.24632.1	800	976	1.00E-133	274	285	96 +	426	710	573	857
UN22323	Rsa1.0.01016.1	1049	181422	0	507	508	99 +	341	848	18736	19243
UN22324	Rsa1.0.36627.1	773	616	4.00E-83	172	177	97 -	122	298	343	519
UN22325	Rsa1.0.42727.1	1142	526	1.00E-148	267	267	100 +	1	267	247	513
UN22326	Rsa1.0.04518.1	906	17005	9.00E-94	181	183	98 +	122	304	10549	10731
UN22327	Rsa1.0.00920.1	702	601703	1.00E-131	250	253	98 +	448	700	448348	448599
UN22328	Rsa1.0.00593.1	702	143463	2.33E-156	293	302	97 -	389	690	57036	57335
UN22329	Rsa1.0.00068.1	680	151813	0	423	433	97 -	1	433	73640	74071
UN22330	Rsa1.0.27304.1	753	858	1.00E-158	304	311	97 +	1	311	548	858
UN22331	Rsa1.0.01801.1	1662	39094	0	566	566	100 -	822	1387	20432	20997
UN22332	Rsa1.0.02399.1	1575	31763	0	715	751	95 +	826	1575	12962	13708
UN22333	Rsa1.0.00398.1	472	88007	1.00E-180	323	324	99 -	149	472	1602	1925
UN22334	Rsa1.0.01371.1	1116	47079	0	470	476	98 -	165	638	25451	25925
UN22335	Rsa1.0.00171.1	936	115622	1.00E-132	246	248	99 +	1	248	90891	91138
UN22336	Rsa1.0.00427.1	1284	189678	0	442	452	97 -	836	1284	38443	38894
UN22337	Rsa1.0.00015.1	644	561803	1.00E-150	417	470	88 +	72	534	483083	483532
UN22338	Rsa1.0.01414.1	1025	149508	0	408	429	95 +	556	972	115743	116171
UN22339	Rsa1.0.00869.1	718	61627	0	391	401	97 +	1	398	53821	54221
UN22340	Rsa1.0.25054.1	2030	953	0	343	343	100 -	4	346	311	653
UN22341	Rsa1.0.19050.1	1300	1488	0	329	330	99 +	624	952	976	1305
UN22342	Rsa1.0.00132.1	837	124299	0	835	835	100 +	3	837	25441	26275
UN22343	Rsa1.0.13702.1	1891	4456	0	1069	1114	95 +	60	1165	914	2017
UN22344	Rsa1.0.01632.1	526	181224	1.00E-180	338	343	98 -	184	526	168283	168624
UN22345	Rsa1.0.02054.1	965	35548	1.00E-147	274	277	98 +	196	472	27078	27354

UN22346	Rsa1.0.00782.1	765	64468	9.00E-69	165	175	94 -	62	228	36483	36657
UN22347	Rsa1.0.67746.1	1203	338	1.00E-168	324	332	97 +	481	812	6	337
UN22348	Rsa1.0.00114.1	978	131330	0	428	459	93 -	5	461	117617	118071
UN22349	Rsa1.0.02622.1	896	142402	1.00E-157	326	338	96 -	559	894	6671	7008
UN22350	Rsa1.0.00340.1	733	305782	0	423	434	97 -	65	498	186295	186722
UN22351	Rsa1.0.01707.1	1160	40686	0	392	401	97 -	342	742	25818	26218
UN22352	Rsa1.0.09406.1	712	6391	1.00E-120	277	291	95 -	85	372	6100	6388
UN22353	Rsa1.0.00324.1	1179	218805	5.00E-99	259	280	92 +	13	287	188005	188281
UN22354	Rsa1.0.00270.1	1079	101236	1.00E-140	273	279	97 -	754	1029	57836	58114
UN22355	Rsa1.0.01549.1	1779	43543	0	1739	1784	97 -	3	1779	41006	42779
UN22356	Rsa1.0.00093.1	758	214962	0	499	539	92 +	1	520	11283	11812
UN22357	Rsa1.0.00281.1	1123	99908	1.00E-166	344	356	96 +	11	365	68691	69044
UN22358	Rsa1.0.00825.1	845	62855	0	824	847	97 +	1	844	48151	48994
UN22359	Rsa1.0.23101.1	906	1071	1.00E-180	372	386	96 -	455	838	1	383
UN22360	Rsa1.0.21137.1	1535	1231	0	408	420	97 -	432	851	192	611
UN22361	Rsa1.0.00363.1	695	90968	1.00E-111	222	228	97 +	109	336	28275	28502
UN22362	Rsa1.0.03408.1	1022	23154	0	675	695	97 +	329	1022	12750	13443
UN22363	Rsa1.0.00194.1	639	110851	1.00E-150	364	398	91 +	263	638	56294	56691
UN22364	Rsa1.0.00083.1	1372	442773	0	1360	1372	99 +	2	1372	401729	403095
UN22365	Rsa1.0.02125.1	1667	34775	0	349	356	98 -	1	356	18813	19163
UN22366	Rsa1.0.03953.1	1447	19889	0	834	880	94 +	3	859	6144	7021
UN22367	Rsa1.0.02470.1	1156	31108	1.00E-163	315	320	98 +	836	1154	25952	26270
UN22368	Rsa1.0.07704.1	862	8754	0	634	639	99 -	227	862	3463	4101
UN22369	Rsa1.0.00410.1	1280	86957	1.00E-99	266	294	90 -	995	1280	16801	17094
UN22370	Rsa1.0.00123.1	925	325650	0	335	338	99 +	475	812	305219	305556
UN22371	Rsa1.0.00037.1	1536	307838	0	838	873	95 +	663	1535	17364	18236
UN22372	Rsa1.0.01081.1	627	499226	0	593	612	96 +	14	625	456338	456948
UN22373	Rsa1.0.08388.1	983	7436	0	562	570	98 -	414	982	2994	3563
UN22374	Rsa1.0.00218.1	726	201480	1.00E-153	321	335	95 +	20	353	111974	112308
UN22375	Rsa1.0.00101.1	853	267193	0	780	840	92 +	15	853	103663	104498
UN22376	Rsa1.0.00123.1	2044	325650	0	513	527	97 +	569	1094	227015	227541
UN22377	Rsa1.0.00651.1	1034	247766	0	437	453	96 -	27	476	231957	232407
UN22378	Rsa1.0.15420.1	1110	2614	0	551	564	97 +	139	702	1334	1897
UN22379	Rsa1.0.06056.1	888	137271	0	357	363	98 +	528	888	127496	127857
UN22380	Rsa1.0.02606.1	974	29635	0	378	387	97 +	245	631	14421	14807
UN22381	Rsa1.0.00817.1	1195	62961	0	1127	1140	98 -	3	1142	23169	24306
UN22382	Rsa1.0.06940.1	1047	10137	0	338	338	100 -	708	1045	8420	8757
UN22383	Rsa1.0.15420.1	1016	2614	0	555	564	98 +	45	608	1334	1897
UN22384	Rsa1.0.00019.1	770	301669	0	407	433	93 -	318	746	293079	293498

UN22385	Rsa1.0.03356.1	875	23487	0	338	338	100 +	412	749	20820	21157
UN22386	Rsa1.0.00038.1	992	314568	3.00E-91	302	341	88 -	1	326	255570	255909
UN22387	Rsa1.0.00230.1	892	105389	1.00E-178	354	364	97 -	457	819	2564	2925
UN22388	Rsa1.0.13841.1	1338	4232	0	1283	1335	96 +	1	1326	87	1420
UN22389	Rsa1.0.04823.1	1345	15840	0	794	813	97 +	537	1344	8959	9770
UN22390	Rsa1.0.75825.1	1763	302	1.00E-134	275	283	97 -	1451	1732	1	281
UN22391	Rsa1.0.12809.1	753	5119	1.00E-145	305	319	95 +	434	752	4445	4760
UN22392	Rsa1.0.02107.1	1271	34940	0	507	513	98 +	15	527	30777	31289
UN22393	Rsa1.0.01955.1	734	36850	0	595	596	99 +	137	732	18144	18739
UN22394	Rsa1.0.02429.1	917	31527	1.00E-150	285	290	98 +	371	660	12481	12770
UN22395	Rsa1.0.03895.1	3548	20206	0	1148	1204	95 -	1376	2563	13000	14200
UN22396	Rsa1.0.01536.1	862	43747	0	519	540	96 -	323	862	18811	19349
UN22397	Rsa1.0.10699.1	825	5752	0	451	466	96 +	4	466	3988	4453
UN22398	Rsa1.0.54025.1	929	422	0	419	422	99 +	212	633	1	422
UN22399	Rsa1.0.10699.1	877	5752	0	501	518	96 +	1	517	3941	4453
UN22400	Rsa1.0.00960.1	700	58199	1.00E-133	276	285	96 -	1	284	14176	14459
UN22401	Rsa1.0.05748.1	729	12749	0	595	613	97 -	115	727	10369	10969
UN22402	Rsa1.0.00423.1	953	86138	1.00E-175	323	327	98 -	338	664	72588	72914
UN22403	Rsa1.0.00122.1	543	265937	0	467	501	93 +	53	541	224842	225339
UN22404	Rsa1.0.01232.1	734	155185	0	483	496	97 -	239	732	108723	109218
UN22405	Rsa1.0.00657.1	1458	69858	0	399	410	97 -	334	743	4196	4605
UN22406	Rsa1.0.00331.1	801	176754	0	411	428	96 -	3	430	23174	23601
UN22407	Rsa1.0.03646.1	1414	21598	1.00E-105	230	243	94 -	1172	1414	7681	7915
UN22408	Rsa1.0.00387.1	1170	495407	2.00E-83	182	190	95 -	819	1008	159611	159800
UN22409	Rsa1.0.02253.1	740	33356	0	385	406	94 -	345	740	10435	10839
UN22410	Rsa1.0.00744.1	667	66084	1.00E-133	280	291	96 -	378	665	18752	19041
UN22411	Rsa1.0.00407.1	1092	191544	0	846	872	97 +	1	863	155495	156357
UN22412	Rsa1.0.03158.1	1276	24950	0	477	477	100 +	3	479	8087	8563
UN22413	Rsa1.0.01934.1	790	37162	0	436	438	99 -	352	787	1854	2291
UN22414	Rsa1.0.03218.1	873	24539	1.00E-153	331	348	95 +	1	339	6471	6817
UN22415	Rsa1.0.02693.1	1195	28617	0	421	421	100 +	1	421	24859	25279
UN22416	Rsa1.0.02517.1	1669	30600	0	572	572	100 -	1092	1663	4904	5475
UN22417	Rsa1.0.03148.1	1041	24989	0	385	397	96 -	77	473	21012	21408
UN22418	Rsa1.0.00475.1	654	81678	1.00E-144	311	327	95 -	324	649	26872	27198
UN22419	Rsa1.0.00026.1	715	327835	1.00E-163	308	311	99 -	406	715	29232	29541
UN22420	Rsa1.0.00937.1	782	59061	0	776	779	99 +	4	782	22552	23330
UN22421	Rsa1.0.00026.1	790	327835	0	598	601	99 +	190	790	1485	2085
UN22422	Rsa1.0.01094.1	979	167285	1.00E-108	237	249	95 +	734	979	12558	12806
UN22423	Rsa1.0.04512.1	639	17031	0	375	383	97 -	257	639	12561	12943

UN22424	Rsa1.0_00920.1	654	601703	1.00E-122	233	235	99 +	420	654	448348	448581
UN22425	Rsa1.0_04002.1	900	19608	0	520	520	100 -	1	520	17610	18129
UN22426	Rsa1.0_02321.1	922	32572	0	648	671	96 -	3	672	5991	6654
UN22427	Rsa1.0_04194.1	875	132734	0	739	776	95 +	3	777	123402	124168
UN22428	Rsa1.0_00485.1	1138	80937	0	710	727	97 -	415	1138	71066	71792
UN22429	Rsa1.0_00635.1	896	175826	0	394	397	99 -	500	896	14012	14407
UN22430	Rsa1.0_01730.1	786	40223	0	620	676	91 +	125	786	33434	34102
UN22431	Rsa1.0_00303.1	708	97468	1.00E-116	240	250	96 +	1	242	38482	38731
UN22432	Rsa1.0_04462.1	1810	17250	0	678	712	95 +	1046	1757	13320	14029
UN22433	Rsa1.0_05745.1	802	12750	2.00E-70	189	206	91 +	1	193	2866	3071
UN22434	Rsa1.0_00092.1	742	659932	1.00E-83	167	170	98 +	177	346	233723	233892
UN22435	Rsa1.0_09340.1	808	6443	1.00E-178	389	408	95 -	1	405	5945	6346
UN22436	Rsa1.0_00556.1	1385	207212	0	539	541	99 -	631	1171	51917	52457
UN22437	Rsa1.0_02956.1	1786	26483	0	767	788	97 -	1008	1786	12874	13659
UN22438	Rsa1.0_08721.1	825	7000	0	730	761	95 -	74	825	6165	6921
UN22439	Rsa1.0_01357.1	828	47280	1.00E-137	274	283	96 +	544	826	2072	2354
UN22440	Rsa1.0_00192.1	745	278200	0	398	415	95 -	2	416	22625	23023
UN22441	Rsa1.0_00605.1	882	73199	0	501	514	97 +	367	880	30975	31488
UN22442	Rsa1.0_07998.1	719	8105	1.00E-153	284	287	98 -	427	713	4036	4322
UN22443	Rsa1.0_16978.1	819	1964	1.00E-114	246	256	96 -	30	285	1215	1467
UN22444	Rsa1.0_07998.1	748	8105	1.00E-156	304	312	97 -	422	733	4011	4322
UN22445	Rsa1.0_03646.1	810	21598	1.00E-119	250	259	96 -	546	804	7662	7915
UN22446	Rsa1.0_00640.1	864	70979	0	856	863	99 +	1	863	16831	17693
UN22447	Rsa1.0_03280.1	727	145083	0	335	339	98 +	1	339	139165	139503
UN22448	Rsa1.0_00280.1	1391	99966	0	359	368	97 -	1008	1370	12119	12483
UN22449	Rsa1.0_01632.1	502	181224	1.00E-176	330	336	98 -	166	501	168289	168624
UN22450	Rsa1.0_00387.1	1258	495407	1.00E-106	250	266	93 -	4	265	161141	161406
UN22451	Rsa1.0_03612.1	776	21784	0	725	730	99 -	1	730	9710	10439
UN22452	Rsa1.0_09917.1	581	6091	0	321	321	100 -	2	322	934	1254
UN22453	Rsa1.0_10720.1	889	5746	0	405	430	94 +	1	419	5317	5746
UN22454	Rsa1.0_00379.1	1003	89865	1.00E-103	230	244	94 +	3	243	86272	86505
UN22455	Rsa1.0_67746.1	1083	338	1.00E-171	326	333	97 +	418	750	6	338
UN22456	Rsa1.0_00553.1	978	75983	1.00E-68	142	145	97 -	644	788	1707	1851
UN22457	Rsa1.0_09661.1	1037	6226	1.00E-171	308	309	99 +	729	1037	1	309
UN22458	Rsa1.0_07506.1	707	9233	0	510	524	97 +	2	525	2681	3203
UN22459	Rsa1.0_00123.1	824	325650	1.00E-135	259	264	98 +	561	824	227015	227278
UN22460	Rsa1.0_01357.1	811	47280	1.00E-116	267	286	93 +	531	809	2072	2357
UN22461	Rsa1.0_00355.1	669	92038	0	504	551	91 +	1	542	77899	78429
UN22462	Rsa1.0_00281.1	826	99908	1.00E-176	323	326	99 +	1	326	68719	69044

UN22463	Rsa1.0.03160.1	599	24916	1.00E-135	261	264	98 -	335	597	17957	18219
UN22464	Rsa1.0.18666.1	681	1556	0	560	561	99 +	1	561	3	562
UN22465	Rsa1.0.03408.1	1020	23154	0	678	694	97 +	328	1020	12750	13443
UN22466	Rsa1.0.01126.1	864	53127	1.00E-114	264	281	93 -	585	864	14983	15253
UN22467	Rsa1.0.00418.1	1165	215377	1.00E-132	248	251	98 -	915	1165	43204	43454
UN22468	Rsa1.0.01285.1	608	172709	0	439	451	97 +	2	447	156713	157163
UN22469	Rsa1.0.13010.1	929	5047	0	433	446	97 -	484	929	2345	2789
UN22470	Rsa1.0.04630.1	716	16595	1.00E-165	399	425	93 -	302	716	14480	14895
UN22471	Rsa1.0.00348.1	783	92818	1.00E-160	337	350	96 +	13	360	49685	50033
UN22472	Rsa1.0.00024.1	992	188018	1.00E-105	226	234	96 -	2	233	108783	109015
UN22473	Rsa1.0.49835.1	838	455	3.00E-72	172	179	96 -	1	176	1	179
UN22474	Rsa1.0.00700.1	1045	67699	0	671	679	98 +	366	1038	48286	48964
UN22475	Rsa1.0.00237.1	887	235974	0	342	349	97 -	130	478	45583	45931
UN22476	Rsa1.0.00958.1	919	58243	0	574	577	99 -	96	672	2101	2677
UN22477	Rsa1.0.00285.1	809	149638	0	364	371	98 -	210	580	86908	87278
UN22478	Rsa1.0.00423.1	920	86138	1.00E-167	320	327	97 -	333	659	72588	72914
UN22479	Rsa1.0.00013.1	726	292129	1.00E-131	267	278	96 -	1	270	236975	237252
UN22480	Rsa1.0.27096.1	792	866	1.00E-156	342	360	95 +	445	792	335	694
UN22481	Rsa1.0.04630.1	752	16595	1.00E-159	400	426	93 -	339	752	14480	14895
UN22482	Rsa1.0.00269.1	752	341668	1.00E-163	352	368	95 -	1	366	45768	46130
UN22483	Rsa1.0.30678.1	439	747	0	350	351	99 +	89	439	135	485
UN22484	Rsa1.0.00713.1	833	158017	0	523	527	99 +	24	550	19367	19893
UN22485	Rsa1.0.00415.1	677	86795	0	369	373	98 -	1	373	6755	7123
UN22486	Rsa1.0.03718.1	838	21195	1.00E-114	264	282	93 +	331	612	654	935
UN22487	Rsa1.0.02387.1	784	31890	0	493	532	92 -	2	517	17300	17827
UN22488	Rsa1.0.00415.1	887	86795	0	379	379	100 +	509	887	6755	7133
UN22489	Rsa1.0.01536.1	881	43747	0	568	596	95 -	288	879	18754	19349
UN22490	Rsa1.0.00181.1	805	114269	0	382	388	98 +	416	803	54547	54934
UN22491	Rsa1.0.04415.1	1129	147889	0	339	340	99 -	790	1129	141016	141355
UN22492	Rsa1.0.00816.1	677	403350	0	553	572	96 +	3	574	132500	133066
UN22493	Rsa1.0.62614.1	778	366	1.00E-151	272	272	100 +	179	450	1	272
UN22494	Rsa1.0.00369.1	805	266462	1.00E-152	372	405	91 +	276	680	192839	193243
UN22495	Rsa1.0.13824.1	781	4259	0	386	395	97 -	3	397	2919	3313
UN22496	Rsa1.0.00293.1	1351	339294	0	1272	1289	98 -	12	1300	177088	178372
UN22497	Rsa1.0.00128.1	1071	228675	1.00E-150	304	313	97 -	758	1069	216103	216414
UN22498	Rsa1.0.00237.1	805	235974	1.00E-153	275	275	100 -	3	277	5808	6082
UN22499	Rsa1.0.01086.1	828	54509	0	775	821	94 -	3	816	36460	37267
UN22500	Rsa1.0.03895.1	1000	20206	0	510	528	96 -	480	1000	13677	14200
UN22501	Rsa1.0.00068.1	799	151813	0	534	548	97 +	257	799	134543	135086

UN22502	Rsa1.0_00205.1	615	193401	7.00E-69	190	207	91 -	410	609	130141	130345
UN22503	Rsa1.0_00295.1	534	152597	0	416	430	96 -	1	425	87629	88055
UN22504	Rsa1.0_00817.1	782	62961	0	746	769	97 +	15	782	23219	23980
UN22505	Rsa1.0_03606.1	864	21818	1.00E-140	288	299	96 -	15	310	1339	1637
UN22506	Rsa1.0_04463.1	733	17247	0	728	732	99 +	3	733	8275	9005
UN22507	Rsa1.0_04098.1	738	19078	1.00E-134	306	322	95 +	4	318	11234	11553
UN22508	Rsa1.0_07824.1	931	8467	1.00E-165	335	349	95 +	4	352	2603	2940
UN22509	Rsa1.0_02811.1	1122	27669	0	501	509	98 -	619	1122	13286	13793
UN22510	Rsa1.0_01126.1	805	53127	1.00E-117	238	245	97 -	197	441	15539	15780
UN22511	Rsa1.0_00120.1	834	277288	0	804	837	96 -	1	834	223094	223930
UN22512	Rsa1.0_00220.1	912	192936	1.00E-104	261	280	93 +	630	906	152562	152835
UN22513	Rsa1.0_03465.1	1026	22700	0	505	522	96 +	88	606	9803	10324
UN22514	Rsa1.0_00104.1	2567	368722	0	750	765	98 +	1729	2493	198446	199204
UN22515	Rsa1.0_00112.1	605	132199	0	455	476	95 -	138	605	43276	43740
UN22516	Rsa1.0_00262.1	760	101906	0	452	461	98 +	296	755	53264	53722
UN22517	Rsa1.0_00055.1	1534	520193	0	393	408	96 +	1	400	44935	45341
UN22518	Rsa1.0_04218.1	764	18423	0	424	426	99 +	340	764	12805	13230
UN22519	Rsa1.0_10036.1	905	6030	1.00E-171	442	490	90 +	429	900	496	981
UN22520	Rsa1.0_27319.1	1754	857	0	521	534	97 +	855	1388	158	687
UN22521	Rsa1.0_00734.1	624	66508	0	362	368	98 +	261	624	28553	28920
UN22522	Rsa1.0_00480.1	1422	81325	1.00E-179	318	318	100 -	1016	1333	52512	52829
UN22523	Rsa1.0_00677.1	1761	69159	0	1753	1758	99 +	3	1760	45113	46867
UN22524	Rsa1.0_02282.1	923	163951	9.00E-91	206	218	94 +	296	513	149855	150072
UN22525	Rsa1.0_06474.1	897	10949	0	453	456	99 -	3	458	5791	6246
UN22526	Rsa1.0_01002.1	1185	57063	0	1165	1185	98 +	1	1185	20319	21503
UN22527	Rsa1.0_01105.1	1534	53958	0	615	615	100 -	550	1164	27951	28565
UN22528	Rsa1.0_01716.1	825	40483	0	341	347	98 +	31	374	17522	17868
UN22529	Rsa1.0_00100.1	1577	249232	0	694	702	98 +	863	1564	179062	179763
UN22530	Rsa1.0_00097.1	1980	138858	0	921	934	98 -	1046	1979	81930	82863
UN22531	Rsa1.0_00316.1	727	96264	0	428	429	99 +	295	723	12840	13268
UN22532	Rsa1.0_03015.1	817	26006	0	542	548	98 -	1	548	12215	12762
UN22533	Rsa1.0_00247.1	1355	103408	1.00E-129	256	263	97 +	1091	1353	74920	75182
UN22534	Rsa1.0_01344.1	1515	142535	1.00E-180	343	350	98 +	1168	1514	17745	18094
UN22535	Rsa1.0_02962.1	1292	26419	1.00E-100	186	186	100 +	998	1183	21023	21208
UN22536	Rsa1.0_00156.1	2342	118383	0	342	346	98 -	1586	1931	57571	57916
UN22537	Rsa1.0_00840.1	1362	62514	0	472	474	99 -	233	706	31489	31962
UN22538	Rsa1.0_00931.1	1070	59210	1.00E-166	299	300	99 -	771	1070	8469	8768
UN22539	Rsa1.0_00080.1	961	190437	0	387	391	98 +	571	961	33248	33637
UN22540	Rsa1.0_00039.1	1249	296927	0	703	737	95 -	510	1245	288696	289430

UN22541	Rsa1.0.00632.1	784	183777	0	388	410	94 -	4	402	15549	15958
UN22542	Rsa1.0.03385.1	614	23280	0	611	612	99 +	3	614	18091	18702
UN22543	Rsa1.0.00741.1	1608	66117	1.00E-172	307	307	100 -	1302	1608	46304	46610
UN22544	Rsa1.0.02123.1	1538	149053	0	518	519	99 +	539	1057	32143	32661
UN22545	Rsa1.0.00329.1	1251	222544	0	580	591	98 +	1	591	72464	73053
UN22546	Rsa1.0.03169.1	932	24826	0	435	446	97 -	485	930	519	961
UN22547	Rsa1.0.02288.1	3953	32984	0	376	380	98 -	1472	1851	32605	32984
UN22548	Rsa1.0.00146.1	1224	149343	0	501	507	98 +	1	506	542	1048
UN22549	Rsa1.0.02178.1	636	156197	7.00E-97	261	280	93 -	332	607	151602	151879
UN22550	Rsa1.0.14371.1	1604	3465	0	1014	1021	99 -	6	1026	785	1805
UN22551	Rsa1.0.00016.1	1167	831256	0	916	938	97 +	2	939	182526	183463
UN22552	Rsa1.0.03345.1	1438	23590	1.00E-115	224	227	98 +	3	229	19661	19886
UN22553	Rsa1.0.00462.1	1285	82288	0	691	696	99 +	579	1274	1723	2418
UN22554	Rsa1.0.00793.1	1489	64103	0	679	721	94 -	781	1485	51724	52439
UN22555	Rsa1.0.00679.1	1243	68971	1.00E-112	251	266	94 +	868	1133	34534	34799
UN22556	Rsa1.0.74770.1	685	307	1.00E-122	231	234	98 +	444	677	33	266
UN22557	Rsa1.0.13593.1	1337	4685	0	787	806	97 -	1	803	1	806
UN22558	Rsa1.0.04159.1	967	18795	0	836	864	96 -	90	949	5752	6615
UN22559	Rsa1.0.60551.1	560	378	1.00E-111	207	208	99 -	216	423	171	378
UN22560	Rsa1.0.01968.1	1558	36654	0	591	593	99 -	3	595	18714	19306
UN22561	Rsa1.0.00145.1	898	261008	1.00E-158	314	323	97 -	3	324	51003	51325
UN22562	Rsa1.0.03576.1	1262	21986	1.00E-133	301	320	94 -	949	1257	13927	14245
UN22563	Rsa1.0.01629.1	2183	41917	0	619	624	99 +	861	1484	17966	18589
UN22564	Rsa1.0.00223.1	1352	106231	0	705	720	97 -	7	725	69796	70515
UN22565	Rsa1.0.01236.1	1922	50156	1.00E-120	223	224	99 -	1699	1922	44008	44231
UN22566	Rsa1.0.00064.1	1688	240927	0	377	388	97 +	1025	1406	55402	55788
UN22567	Rsa1.0.04229.1	920	18389	0	328	329	99 +	253	581	1	329
UN22568	Rsa1.0.31312.1	1199	730	5.00E-96	204	211	96 -	1	211	151	360
UN22569	Rsa1.0.04454.1	1121	17268	0	704	717	98 +	2	718	11505	12221
UN22570	Rsa1.0.00037.1	1308	307838	0	558	564	98 -	746	1308	65578	66140
UN22571	Rsa1.0.01487.1	1475	44784	0	559	566	98 +	2	566	14376	14939
UN22572	Rsa1.0.01750.1	1622	39816	0	1591	1619	98 -	3	1618	28174	29792
UN22573	Rsa1.0.00189.1	922	111830	1.00E-126	255	261	97 +	662	922	7153	7410
UN22574	Rsa1.0.20649.1	3901	1283	0	1023	1031	99 -	2300	3323	253	1283
UN22575	Rsa1.0.02634.1	1049	29299	6.00E-43	90	90	100 -	3	92	3125	3214
UN22576	Rsa1.0.03294.1	1613	23971	1.00E-157	281	281	100 +	1333	1613	21060	21340
UN22577	Rsa1.0.02573.1	1065	29955	0	370	370	100 +	696	1065	1797	2166
UN22578	Rsa1.0.00857.1	1016	61904	0	682	683	99 -	334	1016	44432	45114
UN22579	Rsa1.0.00101.1	1797	267193	0	616	627	98 -	365	991	237949	238575

UN22580	Rsa1.0.00018.1	1998	410899	1.00E-116	256	269	95 -	3	271	106214	106480
UN22581	Rsa1.0.03699.1	876	21301	1.00E-139	287	297	96 +	554	849	2357	2650
UN22582	Rsa1.0.01613.1	1619	182542	0	791	803	98 +	820	1619	165612	166409
UN22583	Rsa1.0.00205.1	1400	193401	0	464	464	100 -	281	744	101044	101507
UN22584	Rsa1.0.00237.1	966	235974	0	408	415	98 -	553	966	184544	184958
UN22585	Rsa1.0.03771.1	1400	20942	0	748	776	96 -	641	1400	10437	11212
UN22586	Rsa1.0.00335.1	1689	94371	0	1161	1190	97 -	388	1575	10454	11633
UN22587	Rsa1.0.03181.1	1093	24763	1.00E-178	350	361	96 -	417	777	19289	19649
UN22588	Rsa1.0.00201.1	933	232851	0	854	914	93 -	6	908	140223	141124
UN22589	Rsa1.0.00247.1	1627	103408	1.00E-137	249	249	100 -	1379	1627	9944	10192
UN22590	Rsa1.0.00127.1	1100	127446	0	403	408	98 +	692	1099	86821	87227
UN22591	Rsa1.0.01376.1	1246	47004	0	515	526	97 +	720	1245	968	1490
UN22592	Rsa1.0.06010.1	1401	11944	0	929	969	95 +	439	1401	1551	2518
UN22593	Rsa1.0.02233.1	987	33658	0	903	907	99 -	81	987	2590	3496
UN22594	Rsa1.0.00038.1	2068	314568	0	366	371	98 -	1699	2068	232859	233225
UN22595	Rsa1.0.02229.1	867	33672	0	407	408	99 -	4	411	17849	18256
UN22596	Rsa1.0.00096.1	1291	198773	1.00E-159	344	363	94 +	57	419	113949	114308
UN22597	Rsa1.0.00179.1	1535	393324	0	858	858	100 +	315	1172	63299	64156
UN22598	Rsa1.0.01170.1	1076	161131	1.00E-121	299	328	91 -	311	638	131509	131821
UN22599	Rsa1.0.00520.1	1569	78226	0	1550	1572	98 -	3	1568	1829	3397
UN22600	#	#	#	#	#	#	#	#	#	#	#
UN22601	Rsa1.0.01388.1	985	46741	1.00E-177	315	315	100 +	671	985	17656	17970
UN22602	Rsa1.0.01691.1	1876	40921	0	475	484	98 +	473	956	4333	4816
UN22603	Rsa1.0.03753.1	1906	21010	1.00E-165	374	398	93 -	1	398	3208	3586
UN22604	Rsa1.0.07000.1	1485	10049	0	405	419	96 +	1063	1481	3834	4246
UN22605	Rsa1.0.00556.1	987	207212	2.00E-98	240	254	94 -	716	964	166486	166739
UN22606	Rsa1.0.05827.1	1679	12503	0	730	738	98 -	788	1525	6485	7221
UN22607	Rsa1.0.02370.1	1305	32071	0	1290	1304	98 +	11	1305	1000	2303
UN22608	Rsa1.0.01022.1	1089	56606	0	591	597	98 -	493	1086	42010	42606
UN22609	Rsa1.0.00080.1	1052	190437	0	808	829	97 -	227	1048	108122	108947
UN22610	Rsa1.0.06728.1	996	10455	1.00E-145	359	393	91 +	2	382	9058	9448
UN22611	Rsa1.0.00246.1	1238	103541	1.00E-179	331	335	98 +	902	1236	7484	7818
UN22612	Rsa1.0.00744.1	663	66084	0	356	359	99 -	301	659	46081	46439
UN22613	Rsa1.0.01191.1	1586	51235	0	678	693	97 -	1	693	40957	41648
UN22614	Rsa1.0.00670.1	1735	69371	0	579	592	97 -	911	1502	41282	41873
UN22615	Rsa1.0.07059.1	1121	9962	0	583	613	95 +	521	1118	1685	2291
UN22616	Rsa1.0.05581.1	758	13272	0	467	479	97 +	232	707	4241	4719
UN22617	Rsa1.0.00034.1	1228	260119	1.00E-114	228	233	97 -	493	724	30072	30304
UN22618	Rsa1.0.00612.1	1576	72376	0	441	444	99 -	1	444	17099	17540

UN22619	Rsa1.0_04029.1	1270	19491	0	571	585	97 +	689	1270	6666	7250
UN22620	Rsa1.0_00045.1	1695	328694	1.00E-114	262	279	93 +	1420	1695	14422	14700
UN22621	Rsa1.0_02019.1	1141	35983	1.00E-156	321	331	96 -	810	1139	13300	13627
UN22622	Rsa1.0_63049.1	1070	364	1.00E-119	234	238	98 +	19	255	105	342
UN22623	Rsa1.0_00229.1	1314	105471	0	368	371	99 -	2	372	43350	43720
UN22624	Rsa1.0_01497.1	1453	44559	0	416	437	95 +	1019	1453	42441	42876
UN22625	Rsa1.0_07490.1	1352	9261	0	970	973	99 +	184	1156	782	1754
UN22626	Rsa1.0_15530.1	1694	2556	0	841	864	97 -	412	1272	110	973
UN22627	Rsa1.0_00157.1	1521	245832	0	368	370	99 +	1152	1521	190584	190953
UN22628	Rsa1.0_00698.1	1333	67816	0	632	649	97 +	694	1333	65687	66331
UN22629	Rsa1.0_00119.1	1159	467509	0	573	590	97 +	559	1147	335390	335978
UN22630	Rsa1.0_00005.1	622	353093	0	533	533	100 -	90	622	32472	33004
UN22631	Rsa1.0_01920.1	1318	158533	1.00E-133	241	241	100 +	1077	1317	152299	152539
UN22632	Rsa1.0_02173.1	959	34318	0	456	466	97 +	47	512	30709	31174
UN22633	Rsa1.0_02428.1	1007	31542	1.00E-161	314	324	96 -	684	1007	11086	11400
UN22634	Rsa1.0_00518.1	934	78360	1.00E-130	262	268	97 -	583	850	12707	12972
UN22635	Rsa1.0_00366.1	719	90880	0	368	368	100 -	352	719	9189	9556
UN22636	Rsa1.0_04489.1	1002	17145	1.00E-156	295	299	98 -	704	1002	8289	8586
UN22637	Rsa1.0_00546.1	2247	76523	1.00E-117	227	231	98 -	769	999	73168	73398
UN22638	Rsa1.0_07695.1	1607	8770	0	474	477	99 +	3	479	1421	1897
UN22639	Rsa1.0_08814.1	1571	6901	0	520	520	100 -	3	522	1105	1624
UN22640	Rsa1.0_04819.1	1007	140505	1.00E-177	360	371	97 +	3	366	4060	4429
UN22641	Rsa1.0_00159.1	1678	431686	0	459	483	95 +	995	1477	261877	262359
UN22642	Rsa1.0_01519.1	1126	44144	1.00E-169	302	302	100 -	2	303	41308	41609
UN22643	Rsa1.0_06258.1	592	11371	0	585	590	99 +	3	592	3899	4488
UN22644	Rsa1.0_00179.1	1481	393324	0	453	477	94 +	3	479	348466	348942
UN22645	Rsa1.0_00875.1	888	61371	0	878	879	99 -	10	888	6901	7779
UN22646	Rsa1.0_01151.1	700	52268	0	464	487	95 -	215	692	26156	26641
UN22647	Rsa1.0_00460.1	1885	206387	1.00E-142	275	281	97 -	391	671	35604	35884
UN22648	Rsa1.0_00147.1	1345	249503	1.00E-167	343	358	95 -	993	1345	217829	218186
UN22649	Rsa1.0_00978.1	1812	57739	0	574	589	97 +	1065	1653	23249	23837
UN22650	Rsa1.0_01958.1	2564	261128	0	464	474	97 -	2064	2537	115754	116227
UN22651	Rsa1.0_03954.1	909	19886	0	424	427	99 -	483	906	676	1102
UN22652	Rsa1.0_03362.1	1270	23453	1.00E-133	241	241	100 +	1	241	13691	13931
UN22653	Rsa1.0_00697.1	974	67913	1.00E-141	270	275	98 -	3	277	34223	34497
UN22654	Rsa1.0_00057.1	1814	160473	0	908	910	99 +	6	915	96247	97156
UN22655	Rsa1.0_00202.1	1822	185895	0	853	862	98 +	4	865	147064	147925
UN22656	Rsa1.0_00274.1	1516	210119	1.00E-148	267	267	100 +	1225	1491	98748	99014
UN22657	Rsa1.0_00250.1	1760	273771	0	612	644	95 +	25	667	262044	262667

UN22658	Rsa1.0.00048.1	1398	167185	0	426	431	98 -	3	432	73806	74235
UN22659	Rsa1.0.01949.1	955	36960	1.00E-143	264	266	99 +	1	266	23190	23455
UN22660	Rsa1.0.03307.1	1867	23872	0	573	574	99 -	1	574	17877	18450
UN22661	Rsa1.0.03972.1	1749	19787	1.00E-147	337	361	93 -	1	361	13644	13999
UN22662	Rsa1.0.00027.1	1970	283362	1.00E-173	349	359	97 +	3	359	167564	167919
UN22663	Rsa1.0.00273.1	965	326186	1.00E-170	345	360	95 -	614	965	45976	46335
UN22664	Rsa1.0.00647.1	1446	70440	0	1033	1051	98 -	3	1053	42016	43062
UN22665	Rsa1.0.03624.1	1872	21706	1.00E-176	362	378	95 +	1493	1862	5298	5674
UN22666	Rsa1.0.73415.1	1226	312	1.00E-173	311	312	99 -	179	490	1	312
UN22667	Rsa1.0.02320.1	1646	32575	1.00E-116	279	298	93 +	1	297	6296	6588
UN22668	Rsa1.0.00273.1	1964	326186	0	670	689	97 +	1277	1963	37563	38249
UN22669	Rsa1.0.00179.1	2033	393324	0	488	491	99 +	472	962	348452	348942
UN22670	Rsa1.0.01616.1	2457	42137	0	1806	1837	98 -	625	2457	22149	23983
UN22671	Rsa1.0.00275.1	2729	210104	0	1618	1652	97 +	2	1648	3983	5633
UN22672	Rsa1.0.02744.1	4009	28268	1.00E-113	551	663	83 -	1350	2008	15581	16208
UN22673	Rsa1.0.05878.1	784	12344	1.00E-148	275	278	98 +	176	453	1473	1750
UN22674	Rsa1.0.01536.1	1673	43747	0	397	397	100 -	1277	1673	5580	5976
UN22675	Rsa1.0.00064.1	977	240927	0	342	344	99 +	3	346	28729	29072
UN22676	Rsa1.0.60028.1	1361	381	8.00E-80	155	156	99 -	1204	1359	226	381
UN22677	Rsa1.0.03618.1	1171	21744	1.00E-136	338	371	91 -	796	1165	10975	11319
UN22678	Rsa1.0.01453.1	1020	45449	0	939	948	99 -	1	944	28437	29384
UN22679	Rsa1.0.02646.1	2164	29123	0	724	729	99 -	597	1325	13779	14507
UN22680	Rsa1.0.07246.1	3439	9665	0	434	440	98 +	309	748	4606	5045
UN22681	Rsa1.0.00369.1	1066	266462	0	450	450	100 +	2	451	146127	146576
UN22682	Rsa1.0.00332.1	988	94575	0	492	504	97 +	100	603	54514	55017
UN22683	Rsa1.0.02648.1	824	29073	1.00E-150	299	309	96 -	412	720	25917	26225
UN22684	Rsa1.0.00441.1	1213	84607	0	651	654	99 +	556	1209	61230	61883
UN22685	Rsa1.0.02030.1	1392	179909	0	1162	1189	97 -	62	1250	18560	19748
UN22686	Rsa1.0.02370.1	1819	32071	1.00E-176	334	340	98 +	1	337	6994	7333
UN22687	Rsa1.0.00106.1	1828	133916	0	364	366	99 +	70	435	59737	60102
UN22688	Rsa1.0.05938.1	1080	12173	0	638	646	98 -	2	647	7620	8265
UN22689	Rsa1.0.01364.1	1641	47172	0	543	556	97 -	3	556	45490	46038
UN22690	Rsa1.0.05360.1	1560	14053	1.00E-180	363	372	97 -	1	369	9252	9621
UN22691	Rsa1.0.03781.1	957	20891	0	626	648	96 -	93	739	11400	12047
UN22692	Rsa1.0.01896.1	828	37512	0	434	436	99 +	1	434	35209	35644
UN22693	Rsa1.0.03114.1	1576	25318	0	531	555	95 -	1	554	9889	10434
UN22694	Rsa1.0.00058.1	1727	159921	0	452	453	99 -	1274	1726	54122	54573
UN22695	Rsa1.0.02839.1	1204	27391	0	354	365	96 -	129	493	18841	19205
UN22696	Rsa1.0.01425.1	1548	46136	0	405	417	97 -	1096	1509	10921	11335

UN22697	Rsa1.0_13661.1	961	4542	0	468	468	100 -	3	470	1405	1872
UN22698	Rsa1.0_01931.1	538	37187	1.00E-124	232	234	99 -	299	532	32357	32590
UN22699	Rsa1.0_01206.1	1900	50772	0	384	385	99 +	1516	1900	11398	11782
UN22700	Rsa1.0_01480.1	938	44926	0	359	367	97 -	110	476	23931	24297
UN22701	Rsa1.0_00962.1	949	184909	0	890	910	97 -	3	906	51830	52739
UN22702	Rsa1.0_00807.1	1005	63607	1.00E-161	300	303	99 +	704	1004	47287	47589
UN22703	Rsa1.0_00179.1	953	393324	1.00E-148	290	295	98 +	659	951	205617	205911
UN22704	Rsa1.0_05760.1	1703	12720	0	378	380	99 +	1	380	2601	2979
UN22705	Rsa1.0_04977.1	5790	15260	0	681	692	98 +	3042	3731	8856	9547
UN22706	Rsa1.0_09543.1	1381	6298	0	774	827	93 -	326	1150	4416	5219
UN22707	Rsa1.0_04837.1	941	15764	0	475	475	100 -	467	941	6020	6494
UN22708	Rsa1.0_00716.1	757	67078	0	383	385	99 -	109	493	36370	36754
UN22709	Rsa1.0_00780.1	1715	147795	1.00E-125	237	240	98 +	1311	1550	25606	25845
UN22710	Rsa1.0_01294.1	687	49090	0	455	467	97 -	1	467	11942	12408
UN22711	Rsa1.0_08598.1	1973	7143	0	695	718	96 +	666	1380	4940	5646
UN22712	Rsa1.0_00893.1	992	60626	0	724	741	97 +	1	741	8101	8837
UN22713	Rsa1.0_00464.1	1188	82253	0	713	742	96 -	1	727	48375	49111
UN22714	Rsa1.0_00148.1	931	120234	0	921	929	99 -	1	929	87155	88082
UN22715	Rsa1.0_09707.1	804	6199	0	369	371	99 -	3	373	5205	5575
UN22716	Rsa1.0_17040.1	571	1944	0	412	419	98 -	3	418	1207	1625
UN22717	Rsa1.0_00194.1	1031	110851	0	423	424	99 +	1	423	17462	17885
UN22718	Rsa1.0_01611.1	1075	42269	1.00E-169	305	306	99 -	768	1073	15232	15537
UN22719	Rsa1.0_00064.1	1543	240927	0	429	433	99 -	1	433	73671	74103
UN22720	Rsa1.0_05501.1	1995	13513	0	440	448	98 +	633	1079	4974	5421
UN22721	Rsa1.0_01554.1	875	43379	0	370	373	99 +	504	875	30995	31367
UN22722	Rsa1.0_00073.1	907	240924	6.00E-98	191	194	98 -	340	533	98132	98325
UN22723	Rsa1.0_00928.1	1092	59293	1.00E-160	290	291	99 -	3	293	20524	20814
UN22724	Rsa1.0_00472.1	1341	398134	0	505	507	99 -	835	1341	178854	179360
UN22725	Rsa1.0_00192.1	920	278200	0	520	526	98 -	2	525	13714	14238
UN22726	Rsa1.0_00457.1	1696	337301	0	1439	1477	97 +	128	1600	176239	177714
UN22727	Rsa1.0_01553.1	1606	43379	1.00E-174	313	314	99 +	1289	1602	10545	10858
UN22728	Rsa1.0_00062.1	1198	299291	0	578	582	99 -	614	1193	142212	142793
UN22729	Rsa1.0_00852.1	1427	62179	0	784	796	98 +	639	1427	28028	28823
UN22730	Rsa1.0_00160.1	1574	346678	0	414	415	99 -	3	417	333322	333736
UN22731	Rsa1.0_00064.1	1067	240927	1.00E-133	266	272	97 +	799	1067	60195	60466
UN22732	Rsa1.0_02735.1	3031	28344	0	975	1038	93 -	1081	2101	3938	4959
UN22733	Rsa1.0_00011.1	1583	225044	0	476	494	96 -	1092	1583	103626	104111
UN22734	Rsa1.0_00886.1	1331	167350	0	359	362	99 -	970	1331	33027	33388
UN22735	Rsa1.0_03733.1	837	21108	0	830	839	98 +	1	837	14645	15482

UN22736	Rsa1.0.00690.1	1590	140527	0	334	336	99 -	1253	1588	4939	5273
UN22737	Rsa1.0.00890.1	765	323870	1.00E-169	304	305	99 +	7	311	160728	161032
UN22738	Rsa1.0.01172.1	902	51734	1.00E-147	271	273	99 +	463	735	12391	12663
UN22739	Rsa1.0.00069.1	1015	403561	0	419	421	99 +	591	1011	170791	171211
UN22740	Rsa1.0.00930.1	850	59224	3.00E-78	214	233	91 +	559	790	49934	50155
UN22741	Rsa1.0.20416.1	769	1307	1.00E-166	325	333	97 -	432	762	777	1106
UN22742	Rsa1.0.01489.1	1868	44764	1.00E-145	282	289	97 -	925	1213	38870	39158
UN22743	Rsa1.0.13143.1	1608	4993	1.00E-179	349	355	98 -	1254	1608	699	1050
UN22744	Rsa1.0.01418.1	969	46237	0	958	969	98 -	1	969	4196	5163
UN22745	Rsa1.0.00044.1	2665	271658	0	417	419	99 -	537	955	160183	160601
UN22746	Rsa1.0.00118.1	1739	130637	0	591	609	97 -	4	605	36394	37000
UN22747	Rsa1.0.04103.1	1333	19048	0	618	632	97 +	701	1332	9795	10426
UN22748	Rsa1.0.01119.1	1008	53459	0	601	608	98 -	312	919	35552	36156
UN22749	Rsa1.0.16837.1	1495	2018	0	673	682	98 +	1	682	538	1219
UN22750	Rsa1.0.15691.1	1340	2479	1.00E-108	252	270	93 +	14	279	1416	1672
UN22751	Rsa1.0.00991.1	1596	143101	0	606	617	98 +	163	779	28342	28955
UN22752	Rsa1.0.00198.1	1713	222963	0	618	627	98 -	777	1403	152016	152642
UN22753	Rsa1.0.01987.1	1671	36446	0	507	513	98 +	1159	1671	33721	34231
UN22754	Rsa1.0.00037.1	1495	307838	0	636	664	95 +	487	1149	252726	253380
UN22755	Rsa1.0.01443.1	1099	45705	1.00E-172	316	319	99 -	781	1099	32134	32452
UN22756	Rsa1.0.04689.1	2613	16376	0	857	884	96 +	1443	2324	15500	16376
UN22757	Rsa1.0.05381.1	2208	13966	0	350	351	99 -	931	1281	1	351
UN22758	Rsa1.0.03865.1	1159	20373	1.00E-159	285	285	100 +	873	1157	3477	3761
UN22759	Rsa1.0.07584.1	1343	9081	0	660	678	97 -	3	680	2681	3356
UN22760	Rsa1.0.01403.1	1470	46453	0	925	945	97 +	2	944	18791	19734
UN22761	Rsa1.0.01958.1	1679	261128	1.00E-175	331	336	98 +	1320	1654	1802	2137
UN22762	Rsa1.0.06465.1	2603	10962	0	686	697	98 -	986	1682	4224	4918
UN22763	Rsa1.0.04653.1	1150	16509	0	414	419	98 +	619	1033	5218	5636
UN22764	Rsa1.0.00045.1	1246	328694	1.00E-166	296	296	100 -	951	1246	142602	142897
UN22765	Rsa1.0.02911.1	1483	142461	0	584	599	97 +	845	1442	23404	24001
UN22766	Rsa1.0.06117.1	970	11709	0	453	453	100 -	518	970	1282	1734
UN22767	Rsa1.0.00318.1	1294	96094	0	575	577	99 -	719	1294	81589	82165
UN22768	Rsa1.0.03886.1	1428	154643	0	1280	1349	94 -	2	1349	9011	10358
UN22769	Rsa1.0.00404.1	1573	87635	0	410	412	99 +	5	415	9744	10155
UN22770	Rsa1.0.00811.1	2153	63242	0	399	399	100 +	3	401	30478	30876
UN22771	Rsa1.0.03786.1	2233	20879	0	1319	1333	98 +	2	1333	13874	15206
UN22772	Rsa1.0.00171.1	1139	115622	0	372	379	98 +	3	381	40735	41109
UN22773	Rsa1.0.00948.1	1220	58620	1.00E-152	447	504	88 -	14	486	1582	2079
UN22774	Rsa1.0.00016.1	1320	831256	1.00E-143	386	426	90 +	894	1315	663583	663985

UN22775	Rsa1.0.00273.1	917	326186	1.00E-141	376	412	91 -	515	916	307679	308084
UN22776	Rsa1.0.00958.1	1755	58243	0	1380	1444	95 -	315	1743	5848	7280
UN22777	Rsa1.0.00085.1	1964	142226	0	389	389	100 +	1576	1964	98297	98685
UN22778	Rsa1.0.00556.1	911	207212	0	907	908	99 -	4	911	140437	141344
UN22779	Rsa1.0.05410.1	1658	13840	0	371	376	98 -	1140	1515	7861	8236
UN22780	Rsa1.0.00729.1	1062	66690	0	535	552	96 +	511	1060	46412	46959
UN22781	Rsa1.0.03833.1	1537	20575	3.00E-95	266	294	90 +	1243	1531	11313	11600
UN22782	Rsa1.0.00201.1	1235	232851	0	788	789	99 -	328	1116	150926	151714
UN22783	Rsa1.0.03191.1	1544	145762	0	340	342	99 +	1	342	11849	12190
UN22784	Rsa1.0.00451.1	769	322533	1.00E-127	289	307	94 -	257	563	311917	312222
UN22785	Rsa1.0.05559.1	1597	13329	0	437	437	100 +	244	680	7400	7836
UN22786	Rsa1.0.01712.1	1585	154210	0	672	672	100 -	195	866	2819	3490
UN22787	Rsa1.0.03439.1	881	22930	0	754	790	95 +	74	862	14985	15765
UN22788	Rsa1.0.03564.1	1854	22068	0	552	608	90 +	1	587	13944	14535
UN22789	Rsa1.0.01424.1	921	46139	0	580	581	99 -	341	921	10585	11165
UN22790	Rsa1.0.03300.1	1494	23937	0	632	639	98 -	795	1433	10167	10802
UN22791	Rsa1.0.00201.1	659	232851	0	397	411	96 -	254	659	72588	72994
UN22792	Rsa1.0.04199.1	1713	18501	0	1646	1656	99 -	58	1713	5304	6959
UN22793	Rsa1.0.01245.1	971	149868	4.00E-93	177	178	99 -	88	265	40251	40428
UN22794	Rsa1.0.01987.1	1511	36446	0	894	903	99 -	30	932	7571	8473
UN22795	Rsa1.0.00121.1	1378	278029	0	800	827	96 +	4	827	34359	35185
UN22796	Rsa1.0.00106.1	1339	133916	0	408	416	98 +	3	415	17417	17832
UN22797	Rsa1.0.01830.1	1129	38641	1.00E-101	194	196	98 -	267	462	30212	30407
UN22798	Rsa1.0.01571.1	1618	43000	0	642	644	99 +	976	1618	6133	6775
UN22799	Rsa1.0.00329.1	1602	222544	0	903	913	98 -	689	1601	159695	160602
UN22800	Rsa1.0.00620.1	1751	71985	1.00E-145	286	293	97 -	1459	1751	45395	45686
UN22801	Rsa1.0.02021.1	1718	35926	1.00E-178	326	329	99 +	1	329	22337	22665
UN22802	Rsa1.0.00417.1	1615	395068	0	1224	1244	98 +	2	1243	7061	8304
UN22803	Rsa1.0.00199.1	959	249604	0	545	547	99 +	411	957	164308	164854
UN22804	Rsa1.0.01539.1	1575	43698	0	581	584	99 -	992	1575	36439	37022
UN22805	Rsa1.0.00008.1	1845	358124	0	451	477	94 +	1369	1842	323035	323511
UN22806	Rsa1.0.00350.1	1622	92346	1.00E-131	239	239	100 -	1	239	15064	15302
UN22807	Rsa1.0.07808.1	1679	8504	0	603	626	96 +	6	627	106	727
UN22808	Rsa1.0.00385.1	990	89160	1.00E-166	354	376	94 +	614	989	51732	52093
UN22809	Rsa1.0.08756.1	2055	6955	1.00E-131	260	267	97 +	469	735	6119	6385
UN22810	Rsa1.0.00161.1	1589	116891	1.00E-153	278	279	99 +	2	280	114225	114503
UN22811	Rsa1.0.05564.1	1630	13319	0	493	499	98 +	1132	1630	4682	5179
UN22812	Rsa1.0.01339.1	1283	47813	0	399	420	95 +	863	1280	29690	30102
UN22813	Rsa1.0.04486.1	1498	17161	0	980	1015	96 +	3	1017	12250	13249

UN22814	Rsa1.0.00457.1	578	337301	1.00E-105	254	270	94 -	307	571	314304	314570
UN22815	Rsa1.0.00713.1	1082	158017	1.00E-139	269	275	97 -	523	797	21437	21711
UN22816	Rsa1.0.00078.1	825	175053	1.00E-159	303	309	98 -	274	582	47230	47538
UN22817	Rsa1.0.01285.1	1816	172709	1.00E-173	349	361	96 -	1455	1814	159760	160111
UN22818	Rsa1.0.01673.1	1300	41197	0	847	867	97 -	8	861	7236	8102
UN22819	Rsa1.0.05755.1	1749	12730	1.00E-119	262	273	95 +	1479	1749	8876	9146
UN22820	Rsa1.0.00558.1	1128	75819	0	460	460	100 -	661	1120	10337	10796
UN22821	Rsa1.0.02772.1	1491	28047	0	588	600	98 +	883	1478	16175	16774
UN22822	Rsa1.0.00015.1	1354	561803	0	991	993	99 -	362	1354	253933	254925
UN22823	Rsa1.0.00628.1	1789	214360	0	1127	1129	99 +	1	1129	49890	51018
UN22824	Rsa1.0.01241.1	1652	50067	0	340	341	99 +	1	341	30334	30674
UN22825	Rsa1.0.00157.1	1164	245832	1.00E-163	294	295	99 -	868	1162	228386	228680
UN22826	Rsa1.0.06726.1	2015	10460	0	937	946	99 -	83	1024	9437	10382
UN22827	Rsa1.0.00695.1	1530	68019	0	468	470	99 +	1049	1518	50092	50560
UN22828	Rsa1.0.00387.1	1574	495407	0	1373	1385	99 -	175	1559	250407	251791
UN22829	Rsa1.0.00189.1	693	111830	1.00E-137	318	339	93 -	351	688	568	890
UN22830	Rsa1.0.00097.1	1014	138858	0	1000	1014	98 +	4	1013	52514	53527
UN22831	Rsa1.0.10853.1	1850	5700	1.00E-125	228	228	100 -	127	354	3961	4188
UN22832	Rsa1.0.00903.1	1615	60228	0	719	744	96 +	122	865	37183	37926
UN22833	Rsa1.0.02840.1	2337	27386	0	956	968	98 +	262	1229	16399	17365
UN22834	Rsa1.0.00782.1	1304	64468	1.00E-178	326	329	99 -	546	874	19988	20316
UN22835	Rsa1.0.04010.1	796	19576	0	419	428	97 +	1	428	861	1288
UN22836	Rsa1.0.01711.1	738	40578	0	467	471	99 -	1	471	19491	19957
UN22837	Rsa1.0.04793.1	1106	15963	1.00E-147	265	265	100 -	1	265	9876	10140
UN22838	Rsa1.0.06149.1	1327	11615	0	560	574	97 +	754	1327	4020	4593
UN22839	Rsa1.0.02834.1	720	27493	0	389	397	97 +	325	720	24286	24678
UN22840	Rsa1.0.01581.1	1389	42833	0	574	581	98 +	811	1389	1828	2408
UN22841	Rsa1.0.01082.1	1603	54640	0	466	467	99 +	248	714	9377	9843
UN22842	Rsa1.0.11442.1	1023	5506	0	889	959	92 +	49	998	1	953
UN22843	Rsa1.0.00050.1	1714	237174	0	1182	1222	96 +	43	1261	16696	17913
UN22844	Rsa1.0.00828.1	832	62744	0	409	412	99 -	421	832	47926	48337
UN22845	Rsa1.0.00777.1	1463	191865	0	829	829	100 +	3	831	12184	13012
UN22846	Rsa1.0.05748.1	951	12749	0	444	444	100 +	1	444	6508	6951
UN22847	Rsa1.0.17100.1	1885	1924	1.00E-173	331	338	97 -	1	338	141	475
UN22848	Rsa1.0.02663.1	1312	169243	1.00E-171	308	309	99 +	356	664	9930	10238
UN22849	Rsa1.0.00284.1	1503	323267	0	498	501	99 -	3	503	258208	258708
UN22850	Rsa1.0.00586.1	810	163802	3.00E-75	246	280	87 +	261	540	108888	109167
UN22851	Rsa1.0.04552.1	1625	16878	0	1098	1118	98 -	526	1625	11034	12150
UN22852	Rsa1.0.03688.1	1570	143676	1.00E-111	207	208	99 -	3	210	16485	16692

UN22853	Rsa1.0.01105.1	1880	53958	0	623	668	93 +	3	653	15891	16540
UN22854	Rsa1.0.00001.1	1690	363028	1.00E-161	308	313	98 +	1378	1690	168093	168404
UN22855	Rsa1.0.00466.1	1576	82132	0	558	567	98 -	276	842	64224	64790
UN22856	Rsa1.0.09876.1	1812	6108	0	383	386	99 +	1427	1812	2225	2608
UN22857	Rsa1.0.02360.1	1124	32203	0	616	648	95 -	480	1122	23933	24578
UN22858	Rsa1.0.01159.1	955	52115	1.00E-126	241	245	98 -	398	642	32156	32400
UN22859	Rsa1.0.19812.1	1013	1380	0	360	361	99 -	3	363	836	1196
UN22860	Rsa1.0.05600.1	1595	13222	0	1135	1136	99 +	1	1136	4467	5602
UN22861	Rsa1.0.00116.1	1560	365886	0	918	958	95 -	519	1464	8242	9199
UN22862	Rsa1.0.00981.1	854	57700	1.00E-150	276	278	99 -	286	563	35145	35422
UN22863	Rsa1.0.04648.1	1474	16540	0	743	747	99 -	727	1473	4735	5481
UN22864	Rsa1.0.24094.1	766	1007	1.00E-161	291	292	99 -	475	766	311	602
UN22865	Rsa1.0.02264.1	1377	33233	0	479	480	99 -	1	480	9388	9866
UN22866	Rsa1.0.01591.1	1563	42718	0	437	440	99 -	1124	1563	26838	27277
UN22867	Rsa1.0.03843.1	939	20496	1.00E-165	376	400	94 +	5	401	6124	6521
UN22868	Rsa1.0.02749.1	1605	28241	0	1430	1441	99 +	2	1442	7124	8561
UN22869	Rsa1.0.00727.1	1722	66724	0	532	538	98 -	1161	1695	50820	51356
UN22870	Rsa1.0.00032.1	725	306326	1.00E-163	309	312	99 -	2	312	155775	156085
UN22871	Rsa1.0.00899.1	1582	60404	0	397	413	96 +	38	449	12582	12994
UN22872	Rsa1.0.01675.1	1610	41155	0	943	952	99 +	661	1608	267	1216
UN22873	Rsa1.0.69052.1	656	332	1.00E-176	313	313	100 -	149	461	1	313
UN22874	Rsa1.0.00521.1	1261	78191	0	503	506	99 -	755	1260	3379	3884
UN22875	Rsa1.0.00105.1	1401	134138	1.00E-141	255	255	100 -	1147	1401	53833	54087
UN22876	Rsa1.0.00078.1	1116	175053	0	443	464	95 +	659	1116	52479	52941
UN22877	Rsa1.0.00128.1	1141	228675	0	799	828	96 -	1	828	42451	43265
UN22878	Rsa1.0.00699.1	900	184398	0	543	551	98 -	19	564	56178	56728
UN22879	Rsa1.0.01182.1	1329	167304	0	352	352	100 -	977	1328	58	409
UN22880	Rsa1.0.01685.1	2231	175033	1.00E-174	330	335	98 -	1893	2227	26660	26993
UN22881	#	#	#	#	#	#	#	#	#	#	#
UN22882	Rsa1.0.03201.1	1106	157656	0	517	521	99 +	69	587	10722	11242
UN22883	Rsa1.0.00446.1	1644	167829	0	390	391	99 -	1	391	160580	160970
UN22884	Rsa1.0.00247.1	1075	103408	1.00E-166	391	423	92 -	3	414	66969	67376
UN22885	Rsa1.0.00944.1	1991	58733	0	573	573	100 -	1411	1983	184	756
UN22886	Rsa1.0.07849.1	983	8425	0	540	554	97 -	83	635	4233	4786
UN22887	Rsa1.0.00350.1	1674	92346	1.00E-123	262	272	96 +	1404	1672	48362	48633
UN22888	Rsa1.0.24055.1	1708	1009	0	467	473	98 -	640	1112	527	999
UN22889	Rsa1.0.00399.1	1115	242951	0	679	688	98 -	430	1115	16371	17055
UN22890	Rsa1.0.01978.1	1888	36546	0	1732	1766	98 +	4	1767	8479	10241
UN22891	Rsa1.0.00556.1	1596	207212	0	437	456	95 -	1140	1594	198606	199049

UN22892	Rsa1.0.05963.1	1755	12090	0	388	388	100 +	1368	1755	3256	3643
UN22893	Rsa1.0.00890.1	719	323870	0	397	400	99 +	319	718	162561	162960
UN22894	Rsa1.0.02966.1	1000	135126	0	540	541	99 -	1	541	17972	18512
UN22895	Rsa1.0.00017.1	1042	752458	0	472	472	100 -	571	1042	138902	139373
UN22896	Rsa1.0.05767.1	2075	12701	0	1708	1740	98 -	1	1739	10225	11960
UN22897	Rsa1.0.04192.1	1053	18572	0	566	610	92 -	326	934	17147	17756
UN22898	Rsa1.0.01656.1	1953	41494	0	840	864	97 -	757	1619	14762	15624
UN22899	Rsa1.0.02496.1	723	30814	1.00E-137	310	328	94 -	397	723	14658	14984
UN22900	Rsa1.0.00350.1	1988	92346	1.00E-103	207	212	97 +	356	567	7323	7534
UN22901	Rsa1.0.07105.1	765	9886	0	446	455	98 -	313	765	1392	1845
UN22902	Rsa1.0.00081.1	1051	143261	1.00E-145	289	296	97 -	13	306	134326	134620
UN22903	Rsa1.0.00931.1	801	59210	1.00E-178	423	456	92 -	332	780	26259	26698
UN22904	Rsa1.0.00068.1	1636	151813	0	695	735	94 -	13	727	104236	104965
UN22905	Rsa1.0.05218.1	741	14457	2.00E-82	165	168	98 +	2	169	4209	4376
UN22906	Rsa1.0.00008.1	839	358124	0	438	441	99 +	1	441	201147	201587
UN22907	Rsa1.0.00431.1	905	85391	0	883	919	96 +	3	905	6070	6987
UN22908	Rsa1.0.00459.1	745	82580	1.00E-157	298	302	98 -	445	745	56625	56926
UN22909	Rsa1.0.01355.1	645	47303	0	375	381	98 +	1	381	25812	26192
UN22910	Rsa1.0.00092.1	1235	659932	0	334	336	99 -	6	341	519402	519737
UN22911	Rsa1.0.00101.1	819	267193	1.00E-150	281	285	98 +	409	693	258416	258700
UN22912	Rsa1.0.00636.1	1402	71113	0	552	558	98 -	3	559	58750	59304
UN22913	Rsa1.0.00272.1	1017	447836	0	378	379	99 -	21	399	83797	84175
UN22914	Rsa1.0.02471.1	629	31104	0	364	369	98 +	2	370	24371	24739
UN22915	Rsa1.0.01015.1	1495	56752	0	510	524	97 +	3	524	1086	1608
UN22916	Rsa1.0.00221.1	1880	106972	0	401	421	95 +	1466	1874	3248	3668
UN22917	Rsa1.0.04470.1	1114	17204	1.00E-176	319	321	99 +	792	1112	4465	4785
UN22918	Rsa1.0.00413.1	1153	86921	1.00E-161	311	318	97 -	28	345	10794	11108
UN22919	Rsa1.0.00018.1	1429	410899	0	407	410	99 -	1	410	406316	406724
UN22920	Rsa1.0.00463.1	1705	189177	0	561	569	98 -	1136	1704	15168	15736
UN22921	Rsa1.0.02522.1	1332	30548	0	503	503	100 -	717	1219	27459	27961
UN22922	Rsa1.0.47960.1	1187	472	1.00E-157	282	282	100 -	396	677	135	416
UN22923	Rsa1.0.20054.1	1268	1347	1.00E-109	204	205	99 +	600	804	1083	1287
UN22924	Rsa1.0.00131.1	817	432233	0	518	545	95 -	248	792	387627	388167
UN22925	Rsa1.0.02449.1	1107	31292	1.00E-111	204	204	100 -	904	1107	13256	13459
UN22926	Rsa1.0.00406.1	1386	87398	0	657	658	99 -	1	658	75093	75750
UN22927	Rsa1.0.05689.1	1734	12927	1.00E-118	222	224	99 +	1019	1242	8752	8975
UN22928	Rsa1.0.00978.1	486	57739	3.00E-40	119	128	92 -	3	130	4434	4553
UN22929	Rsa1.0.01778.1	1169	39509	1.00E-120	310	335	92 -	825	1157	16190	16512
UN22930	Rsa1.0.00759.1	823	65465	1.00E-163	298	300	99 +	8	307	10810	11109

UN22931	Rsa1.0.00409.1	2485	146788	0	949	966	98 +	396	1359	130747	131712
UN22932	Rsa1.0.04760.1	881	16105	1.00E-143	271	274	98 -	604	877	5848	6120
UN22933	Rsa1.0.02036.1	514	35731	0	507	514	98 -	1	512	26464	26977
UN22934	Rsa1.0.01957.1	1552	36844	0	976	996	97 +	2	996	16726	17721
UN22935	Rsa1.0.00483.1	948	81102	1.00E-160	366	386	94 -	1	382	51013	51392
UN22936	Rsa1.0.00662.1	2126	192183	0	618	658	93 +	592	1235	2200	2857
UN22937	Rsa1.0.00962.1	955	184909	0	945	951	99 +	3	953	51791	52738
UN22938	Rsa1.0.08928.1	2525	6781	0	1948	1978	98 -	3	1979	123	2097
UN22939	Rsa1.0.04696.1	4563	16339	1.00E-137	409	456	89 +	2204	2649	12501	12950
UN22940	Rsa1.0.00706.1	1260	291570	0	416	431	96 +	832	1258	240972	241398
UN22941	Rsa1.0.00120.1	756	277288	1.00E-175	366	382	95 +	362	740	266327	266707
UN22942	Rsa1.0.03995.1	1779	19654	0	644	646	99 +	1123	1768	3701	4346
UN22943	Rsa1.0.11258.1	512	5566	1.00E-165	294	294	100 -	198	491	1	294
UN22944	Rsa1.0.01068.1	956	55208	1.00E-164	336	350	96 -	3	352	46500	46845
UN22945	Rsa1.0.02043.1	1459	163754	0	1159	1171	98 +	290	1459	156879	158049
UN22946	Rsa1.0.00112.1	1084	132199	0	480	485	98 -	589	1070	72864	73348
UN22947	Rsa1.0.01635.1	718	41865	0	534	565	94 -	145	702	7246	7801
UN22948	Rsa1.0.07565.1	1334	9122	0	712	727	97 +	611	1334	4744	5469
UN22949	Rsa1.0.03818.1	1072	20668	0	434	440	98 -	2	440	18130	18569
UN22950	Rsa1.0.14292.1	2374	3569	0	643	673	95 +	1019	1680	1368	2037
UN22951	Rsa1.0.00064.1	1005	240927	0	352	355	99 -	1	355	35983	36337
UN22952	Rsa1.0.00082.1	1021	237584	1.00E-122	345	382	90 +	1	380	53578	53947
UN22953	Rsa1.0.01203.1	1554	50848	0	408	432	94 +	10	441	40692	41114
UN22954	Rsa1.0.03406.1	842	23159	0	517	522	99 +	7	528	15481	16002
UN22955	Rsa1.0.06185.1	1485	11540	0	506	506	100 +	574	1079	1688	2193
UN22956	Rsa1.0.02139.1	2181	34686	0	644	647	99 -	345	991	21220	21866
UN22957	Rsa1.0.02204.1	1053	33930	1.00E-132	298	314	94 -	743	1053	20608	20915
UN22958	Rsa1.0.37428.1	1213	602	0	552	554	99 +	29	582	1	554
UN22959	Rsa1.0.04113.1	1711	18986	1.00E-134	273	284	96 +	1187	1470	10364	10638
UN22960	Rsa1.0.00286.1	1636	98709	1.00E-108	238	248	95 +	1350	1597	23786	24027
UN22961	Rsa1.0.00522.1	1935	78103	0	357	357	100 -	55	411	62843	63199
UN22962	Rsa1.0.00023.1	1614	194764	0	624	641	97 -	1	633	118142	118782
UN22963	Rsa1.0.00370.1	1437	90472	0	376	380	98 -	1058	1437	73384	73762
UN22964	Rsa1.0.46994.1	2077	481	0	472	484	97 -	91	568	1	481
UN22965	Rsa1.0.02742.1	1807	28284	0	1774	1808	98 +	1	1807	25694	27501
UN22966	Rsa1.0.00027.1	2189	283362	0	553	615	89 +	1574	2188	22417	23031
UN22967	Rsa1.0.00258.1	1594	102381	0	1034	1043	99 -	554	1594	83723	84764
UN22968	Rsa1.0.01809.1	1685	39004	0	898	905	99 +	778	1682	25375	26279
UN22969	Rsa1.0.01007.1	1256	56933	0	408	413	98 -	760	1172	30857	31269

UN22970	Rsa1.0.00663.1	2344	164969	0	656	661	99 +	701	1361	121912	122572
UN22971	Rsa1.0.00380.1	556	89748	1.00E-121	245	251	97 +	308	556	8474	8722
UN22972	Rsa1.0.12609.1	1949	5175	0	576	617	93 +	1128	1720	1026	1638
UN22973	Rsa1.0.00522.1	2132	78103	0	405	409	99 -	868	1272	36235	36643
UN22974	Rsa1.0.00128.1	1951	228675	1.00E-106	229	240	95 +	1324	1563	89116	89355
UN22975	Rsa1.0.00058.1	980	159921	0	450	451	99 +	1	451	150847	151297
UN22976	Rsa1.0.01186.1	866	51418	0	852	863	98 +	4	866	45744	46606
UN22977	Rsa1.0.04696.1	4470	16339	0	577	648	89 +	94	741	11862	12499
UN22978	Rsa1.0.00202.1	1025	185895	0	369	373	98 -	1	373	4685	5054
UN22979	Rsa1.0.01629.1	1073	41917	0	395	396	99 -	678	1073	13287	13682
UN22980	Rsa1.0.00222.1	1166	172263	0	511	526	97 +	643	1166	69472	69994
UN22981	Rsa1.0.03319.1	1272	23767	0	619	622	99 +	651	1272	23035	23656
UN22982	Rsa1.0.13891.1	478	4144	0	418	437	95 +	4	435	754	1186
UN22983	Rsa1.0.00269.1	1563	341668	0	339	344	98 +	913	1256	192836	193179
UN22984	Rsa1.0.01869.1	817	37928	0	398	409	97 -	413	817	280	687
UN22985	Rsa1.0.00159.1	829	431686	1.00E-176	328	332	98 +	500	829	325900	326231
UN22986	Rsa1.0.00359.1	1340	91256	1.00E-145	338	357	94 +	989	1337	90578	90932
UN22987	Rsa1.0.00336.1	1100	445051	0	798	802	99 +	298	1099	145621	146422
UN22988	Rsa1.0.01799.1	1557	39127	0	846	856	98 -	705	1556	34840	35694
UN22989	Rsa1.0.00052.1	619	162771	1.00E-156	280	280	100 -	1	280	98435	98714
UN22990	Rsa1.0.03560.1	1243	22092	0	355	360	98 +	378	737	2543	2902
UN22991	Rsa1.0.00111.1	1976	390088	0	383	394	97 +	317	709	381107	381500
UN22992	Rsa1.0.05239.1	797	14410	0	449	450	99 +	1	449	11672	12121
UN22993	Rsa1.0.20942.1	1168	1252	1.00E-172	309	310	99 -	859	1168	825	1134
UN22994	Rsa1.0.17320.1	1037	1861	1.00E-163	310	315	98 -	714	1027	286	600
UN22995	Rsa1.0.02288.1	3310	32984	0	367	380	96 +	2392	2762	32605	32984
UN22996	Rsa1.0.01201.1	961	50856	0	710	718	98 -	1	717	6024	6741
UN22997	Rsa1.0.14576.1	1050	3250	1.00E-174	313	314	99 -	240	553	2525	2838
UN22998	Rsa1.0.19197.1	840	1466	1.00E-133	253	257	98 +	3	259	1093	1349
UN22999	Rsa1.0.04057.1	1339	19333	0	618	628	98 -	1	627	3402	4029
UN23000	Rsa1.0.01287.1	2091	49195	0	1253	1409	88 +	374	1774	18219	19604
UN23001	Rsa1.0.02944.1	3344	26553	0	493	498	98 -	1218	1715	15940	16437
UN23002	Rsa1.0.02000.1	1338	36210	1.00E-136	285	296	96 +	1046	1336	4950	5245
UN23003	Rsa1.0.03263.1	2087	24268	0	500	500	100 +	1	500	1861	2360
UN23004	Rsa1.0.02347.1	1469	32332	0	539	541	99 +	1	541	18589	19129
UN23005	Rsa1.0.07389.1	1741	9479	0	490	505	97 -	1237	1741	548	1045
UN23006	Rsa1.0.01245.1	1416	149868	0	572	625	91 +	812	1415	37644	38256
UN23007	Rsa1.0.00461.1	1886	82509	0	932	943	98 -	349	1290	19429	20371
UN23008	Rsa1.0.02150.1	843	34580	0	377	379	99 +	429	807	34063	34441

UN23009	Rsa1.0_04755.1	1506	16121	0	361	367	98 +	1140	1506	12065	12431
UN23010	Rsa1.0_01405.1	1208	46445	0	611	621	98 +	588	1208	11767	12385
UN23011	Rsa1.0_01184.1	995	51452	0	381	383	99 +	245	627	26949	27331
UN23012	Rsa1.0_01648.1	805	41635	0	645	646	99 +	1	645	15644	16289
UN23013	Rsa1.0_00978.1	1199	57739	1.00E-159	312	317	98 -	884	1199	43626	43940
UN23014	Rsa1.0_02768.1	1723	28110	1.00E-157	291	294	98 -	2	295	6687	6980
UN23015	Rsa1.0_00101.1	797	267193	0	794	797	99 +	1	795	15468	16264
UN23016	Rsa1.0_00590.1	4076	73835	0	619	677	91 +	3252	3916	9530	10197
UN23017	Rsa1.0_00436.1	2696	85008	0	553	553	100 -	1077	1629	1858	2410
UN23018	Rsa1.0_00016.1	896	831256	0	469	469	100 -	428	896	426933	427401
UN23019	Rsa1.0_00990.1	1440	57445	0	551	551	100 -	94	644	42846	43396
UN23020	Rsa1.0_04355.1	1606	146733	0	578	607	95 +	3	604	3231	3831
UN23021	Rsa1.0_00451.1	1443	322533	1.00E-151	355	374	94 +	12	380	283315	283684
UN23022	Rsa1.0_00991.1	1475	143101	0	604	605	99 -	872	1475	33489	34093
UN23023	Rsa1.0_01115.1	1020	183545	0	385	392	98 -	3	391	6514	6904
UN23024	Rsa1.0_00977.1	1893	198001	0	428	467	91 +	1417	1872	47164	47618
UN23025	#	#	#	#	#	#	#	#	#	#	#
UN23026	Rsa1.0_00351.1	1065	413096	0	430	432	99 -	1	432	3047	3478
UN23027	Rsa1.0_00043.1	767	264937	0	337	337	100 +	1	337	259861	260197
UN23028	Rsa1.0_00121.1	852	278029	1.00E-117	236	242	97 +	612	852	6631	6872
UN23029	Rsa1.0_04483.1	802	17174	1.00E-168	311	315	98 +	3	317	7565	7879
UN23030	Rsa1.0_01603.1	760	42468	0	747	754	99 +	7	760	8936	9684
UN23031	Rsa1.0_38829.1	389	579	1.00E-106	201	203	99 +	187	389	32	234
UN23032	Rsa1.0_00150.1	640	154416	0	346	346	100 +	4	349	151413	151758
UN23033	Rsa1.0_00097.1	1246	138858	0	417	417	100 +	458	874	26177	26593
UN23034	Rsa1.0_04254.1	546	18258	1.00E-108	202	203	99 -	125	327	5539	5741
UN23035	Rsa1.0_01195.1	748	147988	0	737	737	100 -	5	741	15379	16115
UN23036	Rsa1.0_00439.1	1305	142776	0	752	752	100 +	193	944	20147	20898
UN23037	#	#	#	#	#	#	#	#	#	#	#
UN23038	Rsa1.0_02508.1	1108	30675	0	573	583	98 -	3	585	20736	21318
UN23039	Rsa1.0_00187.1	1000	393093	0	434	453	95 +	78	529	212078	212530
UN23040	Rsa1.0_17354.1	561	1851	0	415	419	99 -	143	561	283	701
UN23041	Rsa1.0_01997.1	1463	158416	1.00E-151	318	334	95 -	600	927	1002	1329
UN23042	Rsa1.0_02116.1	1380	34853	0	1323	1373	96 +	1	1370	30548	31892
UN23043	Rsa1.0_01327.1	1282	48033	1.00E-139	321	340	94 -	938	1276	14644	14977
UN23044	Rsa1.0_19149.1	946	1472	1.00E-164	305	309	98 +	397	705	257	565
UN23045	Rsa1.0_00628.1	1244	214360	1.00E-169	329	337	97 -	1	335	184065	184401
UN23046	Rsa1.0_00369.1	1133	266462	0	709	711	99 +	1	709	118781	119491
UN23047	Rsa1.0_03369.1	1503	23381	0	637	664	95 -	496	1156	10035	10691

UN23048	Rsa1.0.00351.1	981	413096	0	434	444	97 -	7	450	3047	3489
UN23049	Rsa1.0.00037.1	1311	307838	0	923	958	96 -	354	1311	175871	176825
UN23050	Rsa1.0.00855.1	895	62047	0	446	452	98 +	3	453	9526	9977
UN23051	Rsa1.0.05850.1	1174	12425	1.00E-110	203	203	100 -	3	205	1182	1384
UN23052	Rsa1.0.11007.1	663	5650	0	645	654	98 +	4	657	131	784
UN23053	Rsa1.0.01835.1	678	38542	0	401	417	96 -	256	671	24224	24638
UN23054	Rsa1.0.00318.1	1165	96094	0	323	323	100 -	841	1163	28125	28447
UN23055	Rsa1.0.00135.1	1978	178077	0	744	751	99 -	886	1636	165548	166298
UN23056	Rsa1.0.58152.1	1870	393	1.00E-101	188	188	100 +	84	271	1	188
UN23057	Rsa1.0.03303.1	894	23890	0	381	385	98 +	510	892	4111	4495
UN23058	Rsa1.0.00124.1	1551	262503	0	790	825	95 -	726	1550	64156	64979
UN23059	Rsa1.0.01362.1	892	47217	5.00E-74	148	150	98 -	264	413	30107	30256
UN23060	Rsa1.0.01998.1	827	36276	0	811	826	98 +	3	827	665	1488
UN23061	Rsa1.0.02226.1	626	33726	1.00E-131	306	327	93 +	310	626	27340	27666
UN23062	Rsa1.0.01394.1	991	46641	0	719	734	97 +	1	732	21699	22430
UN23063	Rsa1.0.00668.1	862	69421	1.00E-162	320	328	97 -	11	334	14760	15087
UN23064	Rsa1.0.03019.1	879	25987	1.00E-147	271	273	99 -	164	436	18013	18285
UN23065	Rsa1.0.05447.1	898	13713	0	889	896	99 -	1	896	3051	3946
UN23066	Rsa1.0.01413.1	2531	46275	0	590	599	98 +	898	1495	41833	42429
UN23067	Rsa1.0.01146.1	957	163455	1.00E-111	249	257	96 -	1	254	25092	25346
UN23068	Rsa1.0.00904.1	1040	180594	0	492	499	98 +	542	1040	19352	19850
UN23069	Rsa1.0.00044.1	1031	271658	1.00E-126	232	233	99 +	798	1030	156769	157001
UN23070	Rsa1.0.24305.1	881	994	1.00E-141	267	271	98 +	374	644	655	925
UN23071	Rsa1.0.00227.1	1054	105849	0	446	448	99 -	606	1053	9002	9449
UN23072	Rsa1.0.00273.1	845	326186	0	820	843	97 +	4	845	45172	46010
UN23073	Rsa1.0.00087.1	630	761073	1.00E-144	280	287	97 -	47	333	532514	532800
UN23074	Rsa1.0.02494.1	810	132923	0	781	808	96 -	3	805	6063	6869
UN23075	Rsa1.0.02879.1	873	27047	0	474	490	96 -	21	507	18068	18552
UN23076	Rsa1.0.00492.1	1204	80178	1.00E-107	231	239	96 +	25	260	899	1135
UN23077	Rsa1.0.00351.1	1031	413096	0	391	404	96 +	634	1031	3050	3453
UN23078	Rsa1.0.00202.1	511	185895	1.00E-119	217	217	100 +	3	219	11697	11913
UN23079	Rsa1.0.05279.1	1767	14277	1.00E-177	316	316	100 +	3	318	11523	11838
UN23080	Rsa1.0.00457.1	1043	337301	0	468	472	99 +	572	1043	197550	198021
UN23081	Rsa1.0.00653.1	688	70029	0	441	445	99 -	244	688	37056	37500
UN23082	Rsa1.0.01060.1	1114	55368	0	762	793	96 -	25	803	42018	42809
UN23083	Rsa1.0.02158.1	957	154841	0	520	536	97 +	175	710	131881	132416
UN23084	Rsa1.0.00229.1	1197	105471	1.00E-178	353	365	96 -	2	366	43352	43716
UN23085	Rsa1.0.00013.1	1020	292129	1.00E-125	238	240	99 -	1	239	73022	73261
UN23086	Rsa1.0.00320.1	1694	95784	0	574	581	98 +	1112	1692	9746	10325

UN23087	Rsa1.0.07959.1	676	8173	0	362	366	98 +	6	371	5555	5919
UN23088	Rsa1.0.01731.1	1692	40208	0	587	607	96 -	15	621	19840	20438
UN23089	Rsa1.0.07693.1	936	8776	1.00E-163	355	376	94 -	312	687	7062	7437
UN23090	Rsa1.0.01497.1	1022	44559	0	378	378	100 +	645	1022	42441	42818
UN23091	Rsa1.0.00055.1	1118	520193	0	397	398	99 +	1	398	207379	207776
UN23092	Rsa1.0.00016.1	1255	831256	0	430	441	97 +	200	640	59358	59792
UN23093	Rsa1.0.00112.1	1441	132199	0	1114	1145	97 +	306	1441	104957	106096
UN23094	Rsa1.0.00502.1	1206	204180	0	368	384	95 -	822	1205	11653	12024
UN23095	Rsa1.0.00351.1	749	413096	1.00E-119	239	246	97 +	257	502	2503	2748
UN23096	Rsa1.0.00457.1	1228	337301	0	418	434	96 -	1	433	142257	142686
UN23097	Rsa1.0.00067.1	1101	415055	1.00E-138	286	298	95 -	466	763	226606	226903
UN23098	Rsa1.0.01214.1	969	50599	1.00E-172	391	415	94 -	1	400	46274	46685
UN23099	Rsa1.0.00039.1	1075	296927	0	793	796	99 -	280	1075	133710	134505
UN23100	Rsa1.0.00017.1	759	752458	0	354	359	98 -	388	746	398381	398738
UN23101	Rsa1.0.00482.1	1037	81162	1.00E-109	201	201	100 +	661	861	8135	8335
UN23102	Rsa1.0.03693.1	468	21337	0	322	322	100 +	3	324	16639	16960
UN23103	Rsa1.0.19694.1	993	1396	0	435	435	100 -	3	437	490	924
UN23104	Rsa1.0.01203.1	1079	50848	1.00E-151	274	275	99 -	805	1079	48500	48774
UN23105	Rsa1.0.15363.1	603	2655	0	576	617	93 -	1	600	1688	2304
UN23106	Rsa1.0.05501.1	1457	13513	0	418	435	96 +	1009	1443	1399	1829
UN23107	Rsa1.0.00890.1	2540	323870	0	492	508	96 +	1	508	169176	169680
UN23108	Rsa1.0.08445.1	1594	7344	1.00E-172	325	331	98 -	2	332	5908	6238
UN23109	Rsa1.0.01980.1	755	36544	0	482	494	97 +	262	755	32527	33016
UN23110	Rsa1.0.00019.1	1866	301669	0	580	583	99 +	11	593	270305	270885
UN23111	Rsa1.0.19408.1	739	1436	1.00E-160	286	286	100 +	454	739	391	676
UN23112	Rsa1.0.00237.1	1045	235974	0	496	500	99 -	412	910	58242	58740
UN23113	Rsa1.0.02295.1	1723	149884	0	959	981	97 +	96	1075	118179	119156
UN23114	Rsa1.0.00065.1	704	454616	1.00E-152	293	300	97 -	102	401	231797	232096
UN23115	Rsa1.0.00779.1	1148	64568	0	352	352	100 -	796	1147	46981	47332
UN23116	Rsa1.0.01506.1	480	44370	1.00E-147	291	299	97 -	185	480	17882	18180
UN23117	Rsa1.0.01078.1	906	316910	0	885	904	97 -	3	906	137033	137935
UN23118	Rsa1.0.00699.1	917	184398	1.00E-167	334	342	97 -	579	917	55743	56083
UN23119	Rsa1.0.00358.1	939	91293	1.00E-118	273	290	94 -	654	939	20860	21149
UN23120	Rsa1.0.00071.1	831	345714	0	402	428	93 -	1	414	142456	142876
UN23121	Rsa1.0.02124.1	1524	34780	0	1474	1503	98 +	1	1502	4369	5868
UN23122	Rsa1.0.07693.1	897	8776	0	369	376	98 -	309	684	7062	7437
UN23123	Rsa1.0.00158.1	938	117999	1.00E-141	277	284	97 +	659	938	100334	100617
UN23124	Rsa1.0.00237.1	1534	235974	0	823	879	93 -	178	1035	45583	46461
UN23125	Rsa1.0.01410.1	775	46345	0	333	336	99 -	296	631	33684	34019

UN23126	Rsa1.0_01292.1	1085	175783	1.00E-159	300	305	98 -	475	779	140977	141281
UN23127	Rsa1.0_00130.1	1643	125737	0	1006	1025	98 +	619	1641	54118	55142
UN23128	Rsa1.0_00124.1	1120	262503	0	731	744	98 +	382	1119	163290	164032
UN23129	Rsa1.0_00190.1	1382	318240	0	417	417	100 -	518	934	8210	8626
UN23130	Rsa1.0_00940.1	1064	179946	0	611	623	98 +	443	1064	175916	176537
UN23131	Rsa1.0_00931.1	1037	59210	1.00E-151	275	276	99 -	206	481	7084	7359
UN23132	Rsa1.0_00002.1	849	601661	0	582	589	98 +	1	588	405990	406577
UN23133	Rsa1.0_00764.1	1151	65056	1.00E-154	307	316	97 -	1	316	21209	21522
UN23134	Rsa1.0_00900.1	960	60367	0	615	617	99 -	344	960	17319	17935
UN23135	Rsa1.0_01140.1	1192	52586	0	563	595	94 +	598	1189	4637	5216
UN23136	Rsa1.0_04254.1	1402	18258	0	612	615	99 +	489	1103	14081	14695
UN23137	Rsa1.0_00037.1	1600	307838	0	977	997	97 -	555	1550	180789	181785
UN23138	Rsa1.0_00200.1	1261	162016	0	706	706	100 -	1	706	108700	109405
UN23139	Rsa1.0_00627.1	769	71566	1.00E-106	225	231	97 +	541	769	5781	6010
UN23140	Rsa1.0_02374.1	1486	32043	1.00E-142	256	256	100 -	3	258	27825	28080
UN23141	Rsa1.0_00543.1	1008	76788	1.00E-172	348	358	97 +	644	1000	8642	8996
UN23142	Rsa1.0_04544.1	1433	16917	0	754	764	98 -	133	896	6890	7653
UN23143	Rsa1.0_04022.1	739	19534	0	361	367	98 +	138	504	4139	4505
UN23144	Rsa1.0_06213.1	846	11478	0	466	484	96 +	1	478	1053	1535
UN23145	Rsa1.0_01633.1	999	41868	0	423	433	97 +	569	999	3035	3466
UN23146	Rsa1.0_03346.1	615	23589	0	584	599	97 -	1	597	10510	11108
UN23147	Rsa1.0_00029.1	763	272992	0	374	384	97 +	6	387	10187	10568
UN23148	Rsa1.0_04850.1	1328	15722	0	727	729	99 +	601	1328	7334	8062
UN23149	Rsa1.0_02713.1	1491	28470	0	505	509	99 +	219	727	24110	24618
UN23150	Rsa1.0_22403.1	797	1124	0	493	494	99 +	3	496	405	898
UN23151	Rsa1.0_00265.1	868	220635	0	459	465	98 +	407	868	197596	198060
UN23152	Rsa1.0_00434.1	1930	85171	0	836	858	97 +	330	1187	69753	70610
UN23153	Rsa1.0_19230.1	988	1460	1.00E-169	304	305	99 -	683	987	967	1271
UN23154	Rsa1.0_00048.1	1672	167185	0	429	430	99 -	27	456	2507	2936
UN23155	Rsa1.0_00170.1	1815	179538	0	345	348	99 +	424	771	141881	142228
UN23156	Rsa1.0_00136.1	2220	122464	1.00E-132	384	426	90 +	1207	1622	81116	81534
UN23157	Rsa1.0_00597.1	1686	73445	0	1562	1563	99 -	3	1565	9940	11502
UN23158	Rsa1.0_02811.1	899	27669	1.00E-122	250	258	96 -	644	899	1268	1521
UN23159	Rsa1.0_00002.1	895	601661	0	462	464	99 -	429	892	523556	524019
UN23160	Rsa1.0_00081.1	1901	143261	0	873	892	97 +	1013	1901	71173	72057
UN23161	Rsa1.0_00853.1	817	62101	1.00E-134	248	250	99 +	567	816	49970	50219
UN23162	Rsa1.0_01923.1	1238	37233	0	336	339	99 -	900	1238	17973	18311
UN23163	Rsa1.0_04250.1	1348	18264	1.00E-148	300	311	96 +	582	892	10458	10768
UN23164	Rsa1.0_00020.1	2295	283099	0	2282	2293	99 -	1	2293	13355	15647

UN23165	Rsa1.0_01502.1	887	44519	0	841	857	98 -	5	860	41006	41859
UN23166	Rsa1.0_00605.1	1265	73199	0	454	454	100 +	810	1263	4479	4932
UN23167	Rsa1.0_01846.1	1297	38367	0	598	602	99 -	1	602	33297	33898
UN23168	Rsa1.0_00720.1	428	66931	1.00E-121	220	220	100 +	205	424	1305	1524
UN23169	Rsa1.0_07693.1	942	8776	1.00E-161	354	376	94 -	316	691	7062	7437
UN23170	Rsa1.0_00758.1	813	65477	0	807	813	99 -	3	813	36547	37359
UN23171	Rsa1.0_16486.1	846	2139	1.00E-132	319	349	91 -	498	846	414	747
UN23172	Rsa1.0_04319.1	1341	17944	0	564	567	99 +	776	1341	16581	17147
UN23173	Rsa1.0_00976.1	1231	57809	1.00E-136	256	259	98 +	973	1231	49516	49774
UN23174	Rsa1.0_03738.1	732	21071	0	714	733	97 +	7	732	19580	20312
UN23175	Rsa1.0_00611.1	1015	72410	0	516	534	96 +	475	1008	60559	61091
UN23176	Rsa1.0_00026.1	820	327835	0	799	818	97 +	3	820	45472	46283
UN23177	Rsa1.0_01469.1	843	45139	3.00E-93	258	282	91 -	1	274	19815	20086
UN23178	Rsa1.0_01031.1	1234	56236	1.00E-108	210	212	99 -	1023	1234	4889	5099
UN23179	Rsa1.0_00861.1	994	61759	1.00E-147	265	265	100 +	3	267	43457	43721
UN23180	Rsa1.0_06336.1	825	11215	0	640	659	97 -	3	661	6954	7610
UN23181	Rsa1.0_03982.1	2566	19723	0	468	480	97 -	130	609	4841	5320
UN23182	Rsa1.0_02254.1	771	33344	4.00E-77	181	191	94 +	386	575	4778	4968
UN23183	Rsa1.0_00502.1	1254	204180	0	428	434	98 +	3	436	11595	12024
UN23184	Rsa1.0_00558.1	820	75819	0	555	555	100 +	1	555	28269	28823
UN23185	Rsa1.0_16163.1	1493	2261	0	570	593	96 -	84	676	754	1346
UN23186	Rsa1.0_00236.1	1593	104771	0	800	821	97 -	2	822	37614	38434
UN23187	Rsa1.0_00251.1	1335	303968	0	519	528	98 -	1	528	61884	62406
UN23188	Rsa1.0_01811.1	1217	38977	0	583	589	98 +	629	1215	2328	2914
UN23189	Rsa1.0_22181.1	660	1144	1.00E-138	273	277	98 +	383	657	16	291
UN23190	Rsa1.0_01958.1	965	261128	1.00E-134	267	275	97 -	375	649	132443	132717
UN23191	Rsa1.0_01783.1	977	39383	0	385	398	96 -	552	947	9468	9865
UN23192	Rsa1.0_01180.1	1312	51517	0	536	585	91 +	1	578	32140	32704
UN23193	Rsa1.0_00758.1	2784	65477	0	397	399	99 +	1	399	2727	3125
UN23194	Rsa1.0_01034.1	1266	56046	0	736	757	97 +	260	1016	19416	20172
UN23195	Rsa1.0_00211.1	1013	228189	0	574	614	93 +	4	616	179317	179912
UN23196	Rsa1.0_01534.1	976	43764	0	786	814	96 +	161	974	6707	7504
UN23197	Rsa1.0_00250.1	752	273771	0	482	507	95 +	1	498	39230	39729
UN23198	Rsa1.0_01049.1	1764	55655	1.00E-140	286	294	97 +	1	293	41014	41306
UN23199	Rsa1.0_01610.1	1018	42274	0	707	730	96 -	299	1018	11475	12204
UN23200	Rsa1.0_00556.1	1380	207212	0	524	541	96 +	206	746	51917	52457
UN23201	Rsa1.0_02281.1	2186	292576	0	582	595	97 +	273	867	14503	15094
UN23202	Rsa1.0_00254.1	1029	102600	0	350	356	98 -	675	1028	77246	77601
UN23203	Rsa1.0_04785.1	998	15993	0	368	369	99 +	629	996	8415	8783

UN23204	Rsa1.0.00196.1	624	109960	1.00E-114	224	229	97 +	393	621	51296	51524
UN23205	Rsa1.0.00018.1	1735	410899	0	616	622	99 +	111	732	193614	194235
UN23206	Rsa1.0.05204.1	945	14516	0	465	468	99 -	479	945	6086	6553
UN23207	Rsa1.0.01824.1	2198	38733	0	1315	1330	98 +	227	1556	5376	6705
UN23208	Rsa1.0.00773.1	1228	64839	0	733	760	96 +	469	1228	25726	26484
UN23209	Rsa1.0.03741.1	940	143933	0	556	564	98 +	377	940	4881	5444
UN23210	Rsa1.0.00305.1	1600	97308	0	1072	1120	95 +	1	1114	38469	39582
UN23211	Rsa1.0.00196.1	1327	109960	0	753	786	95 +	402	1186	51296	52079
UN23212	Rsa1.0.00190.1	910	318240	0	458	475	96 -	416	887	314315	314786
UN23213	Rsa1.0.00017.1	1568	752458	1.00E-163	292	292	100 -	1145	1436	409937	410228
UN23214	Rsa1.0.08259.1	1136	7641	1.00E-149	316	330	95 -	42	368	3089	3417
UN23215	Rsa1.0.00635.1	984	175826	0	470	497	94 -	497	984	13925	14407
UN23216	Rsa1.0.00013.1	1656	292129	1.00E-164	369	391	94 -	1277	1654	74062	74450
UN23217	Rsa1.0.02501.1	849	30764	0	563	566	99 +	2	567	10507	11072
UN23218	Rsa1.0.01313.1	720	48387	1.00E-174	328	334	98 -	1	334	16151	16484
UN23219	Rsa1.0.02122.1	818	34797	1.00E-142	274	280	97 -	393	672	27182	27461
UN23220	Rsa1.0.03148.1	991	24989	1.00E-176	336	342	98 -	651	991	12172	12513
UN23221	Rsa1.0.26615.1	1773	884	2.33E-156	266	267	99 -	1	267	275	541
UN23222	Rsa1.0.01078.1	1338	316910	0	593	602	98 +	737	1338	293227	293827
UN23223	Rsa1.0.00670.1	737	69371	1.00E-155	291	294	98 +	443	735	39606	39899
UN23224	Rsa1.0.00954.1	1817	189536	1.00E-116	229	233	98 -	11	242	40588	40820
UN23225	Rsa1.0.00978.1	817	57739	0	613	642	95 +	3	641	41966	42599
UN23226	Rsa1.0.00130.1	1384	125737	0	906	919	98 -	1	919	74913	75831
UN23227	Rsa1.0.00580.1	794	74515	1.00E-177	343	351	97 +	1	350	33899	34249
UN23228	Rsa1.0.08250.1	1154	7658	0	492	505	97 +	72	576	2620	3121
UN23229	Rsa1.0.01865.1	634	37992	0	561	569	98 +	57	624	25976	26543
UN23230	Rsa1.0.03294.1	952	23971	0	473	476	99 +	1	476	5083	5558
UN23231	Rsa1.0.13800.1	730	4315	9.00E-75	149	151	98 -	409	559	2525	2675
UN23232	Rsa1.0.00033.1	703	515811	0	372	372	100 -	3	374	365845	366216
UN23233	Rsa1.0.00734.1	1981	66508	0	513	528	97 -	557	1077	55754	56279
UN23234	Rsa1.0.02625.1	649	139104	0	646	648	99 +	1	648	17327	17974
UN23235	Rsa1.0.00104.1	902	368722	0	446	461	96 +	440	900	265144	265596
UN23236	Rsa1.0.05494.1	968	13547	0	514	532	96 -	438	968	7574	8102
UN23237	Rsa1.0.00250.1	739	273771	0	468	471	99 -	261	730	39260	39729
UN23238	Rsa1.0.00384.1	1047	89278	1.00E-117	283	302	93 +	747	1046	81388	81682
UN23239	Rsa1.0.00207.1	930	248736	0	451	482	93 -	8	489	22526	22996
UN23240	Rsa1.0.01887.1	961	37564	0	438	458	95 +	509	961	26538	26995
UN23241	Rsa1.0.08558.1	903	7198	0	469	480	97 +	424	903	988	1467
UN23242	Rsa1.0.06546.1	1010	10801	1.00E-145	274	278	98 -	501	778	4522	4799

UN23243	Rsa1.0_00105.1	840	134138	4.00E-77	195	209	93 -	623	823	71491	71698
UN23244	Rsa1.0_00078.1	1285	175053	0	400	411	97 +	876	1285	74758	75168
UN23245	Rsa1.0_03423.1	1227	23064	1.00E-163	330	340	97 +	198	537	9873	10210
UN23246	Rsa1.0_01195.1	708	147988	0	691	716	96 +	1	706	15402	16117
UN23247	Rsa1.0_01521.1	1397	142147	0	538	539	99 +	3	541	98995	99533
UN23248	Rsa1.0_05411.1	845	13838	0	827	848	97 -	1	845	7561	8408
UN23249	Rsa1.0_00192.1	772	278200	0	440	457	96 -	39	495	22625	23065
UN23250	Rsa1.0_00707.1	1113	190112	0	355	363	97 +	750	1111	156145	156507
UN23251	Rsa1.0_26211.1	563	901	1.00E-115	224	227	98 +	3	228	145	371
UN23252	Rsa1.0_00693.1	1042	161311	0	394	394	100 -	3	396	61031	61424
UN23253	Rsa1.0_00111.1	1024	390088	0	997	998	99 +	24	1021	373994	374991
UN23254	Rsa1.0_01562.1	775	43196	1.00E-106	217	224	96 +	3	226	7735	7958
UN23255	Rsa1.0_00089.1	695	406142	0	671	687	97 -	2	688	322213	322899
UN23256	Rsa1.0_01884.1	867	37659	0	663	672	98 -	11	682	17511	18182
UN23257	Rsa1.0_00381.1	661	89718	0	372	376	98 +	3	378	65776	66151
UN23258	Rsa1.0_00039.1	661	296927	0	565	586	96 -	66	651	131736	132315
UN23259	Rsa1.0_00008.1	1951	358124	0	507	516	98 -	1428	1943	85138	85653
UN23260	Rsa1.0_00991.1	1363	143101	0	659	686	96 -	15	698	137872	138552
UN23261	Rsa1.0_02625.1	593	139104	0	580	600	96 -	2	593	17376	17974
UN23262	Rsa1.0_00931.1	973	59210	1.00E-137	269	276	97 +	557	832	7084	7359
UN23263	Rsa1.0_03831.1	840	20579	1.00E-136	249	250	99 -	583	832	16163	16412
UN23264	Rsa1.0_00218.1	1197	201480	1.00E-151	338	356	94 +	27	379	111960	112310
UN23265	Rsa1.0_00194.1	635	110851	0	436	456	95 -	1	455	13143	13591
UN23266	Rsa1.0_00292.1	892	98141	1.00E-135	285	295	96 +	598	891	6664	6955
UN23267	Rsa1.0_00954.1	784	189536	1.00E-165	294	294	100 +	3	296	57712	58005
UN23268	Rsa1.0_02103.1	882	35006	0	598	618	96 +	1	618	13484	14094
UN23269	Rsa1.0_01012.1	549	56836	1.00E-121	270	285	94 -	14	298	40013	40296
UN23270	Rsa1.0_06969.1	1041	10088	0	339	340	99 +	1	339	1140	1479
UN23271	Rsa1.0_01751.1	660	39806	1.00E-169	317	321	98 -	332	651	30314	30634
UN23272	Rsa1.0_00211.1	770	228189	0	436	439	99 -	6	444	201586	202024
UN23273	Rsa1.0_00001.1	1797	363028	0	778	795	97 +	1	794	287252	288046
UN23274	Rsa1.0_00175.1	890	166121	0	663	685	96 -	4	688	38440	39124
UN23275	Rsa1.0_01086.1	835	54509	0	780	825	94 -	3	822	36460	37269
UN23276	Rsa1.0_13702.1	837	4456	1.00E-129	271	282	96 +	2	281	1736	2017
UN23277	Rsa1.0_01326.1	744	48072	1.00E-171	393	416	94 -	330	742	43754	44166
UN23278	Rsa1.0_03253.1	779	24321	3.00E-93	174	174	100 +	206	379	14236	14409
UN23279	Rsa1.0_00546.1	594	76523	1.00E-180	361	374	96 -	3	368	11381	11754
UN23280	Rsa1.0_00181.1	1573	114269	0	803	808	99 +	352	1157	53498	54305
UN23281	Rsa1.0_00497.1	1172	79830	0	537	556	96 -	1	551	41564	42113

UN23282	Rsa1.0.00277.1	860	100132	0	422	434	97 -	1	433	50424	50857
UN23283	Rsa1.0.00879.1	464	61297	0	433	448	96 -	5	451	10982	11426
UN23284	Rsa1.0.01357.1	840	47280	1.00E-116	251	260	96 -	583	839	673	931
UN23285	Rsa1.0.00218.1	809	201480	0	343	344	99 +	2	345	111965	112308
UN23286	Rsa1.0.00120.1	1140	277288	0	919	958	95 +	185	1140	223009	223966
UN23287	Rsa1.0.03465.1	1203	22700	0	516	522	98 -	594	1115	9803	10324
UN23288	Rsa1.0.09340.1	1401	6443	0	393	399	98 -	1	399	5945	6340
UN23289	Rsa1.0.04794.1	844	15960	0	372	381	97 -	6	385	7004	7383
UN23290	Rsa1.0.05781.1	1550	12654	0	386	404	95 +	2	400	11635	12036
UN23291	Rsa1.0.03831.1	787	20579	3.00E-90	172	173	99 +	421	593	17021	17193
UN23292	Rsa1.0.00192.1	748	278200	0	416	416	100 -	1	416	22625	23040
UN23293	Rsa1.0.00700.1	1161	67699	0	793	807	98 +	367	1161	48286	49092
UN23294	Rsa1.0.00113.1	826	131574	1.00E-142	282	289	97 +	526	813	52836	53124
UN23295	Rsa1.0.00285.1	1075	149638	0	461	462	99 -	3	464	87711	88171
UN23296	Rsa1.0.00490.1	934	186713	0	472	488	96 -	446	932	52365	52850
UN23297	Rsa1.0.00218.1	843	201480	1.00E-139	340	362	93 -	3	356	173202	173559
UN23298	Rsa1.0.00991.1	1113	143101	0	655	681	96 -	18	694	137874	138549
UN23299	Rsa1.0.02387.1	897	31890	0	506	530	95 -	1	520	17300	17827
UN23300	Rsa1.0.00417.1	1060	395068	0	505	523	96 -	26	548	259259	259778
UN23301	Rsa1.0.00910.1	632	59975	0	536	554	96 -	1	552	30391	30944
UN23302	Rsa1.0.00557.1	731	75865	0	517	520	99 +	211	730	69508	70026
UN23303	Rsa1.0.05863.1	715	12388	1.00E-108	250	266	93 -	458	712	7185	7449
UN23304	Rsa1.0.00068.1	818	151813	0	559	559	100 +	260	818	134543	135101
UN23305	Rsa1.0.00205.1	648	193401	7.00E-66	211	236	89 -	410	638	130115	130345
UN23306	Rsa1.0.00601.1	765	177045	1.00E-144	356	386	92 +	3	378	26119	26496
UN23307	Rsa1.0.03606.1	2268	21818	0	417	425	98 -	703	1123	344	766
UN23308	Rsa1.0.00391.1	842	183853	1.00E-154	277	277	100 -	566	842	72608	72884
UN23309	Rsa1.0.00135.1	918	178077	0	358	368	97 -	251	618	169208	169575
UN23310	Rsa1.0.09599.1	776	6260	0	658	679	96 +	1	679	4474	5152
UN23311	Rsa1.0.00301.1	779	365315	1.00E-111	210	212	99 +	396	607	304349	304560
UN23312	Rsa1.0.02991.1	849	26178	1.00E-80	188	196	95 +	38	230	7030	7224
UN23313	Rsa1.0.00280.1	875	99966	0	369	382	96 +	1	376	12102	12483
UN23314	Rsa1.0.04002.1	1195	19608	0	533	555	96 -	1	542	17610	18164
UN23315	Rsa1.0.02321.1	965	32572	0	669	672	99 -	1	672	5991	6660
UN23316	Rsa1.0.55072.1	904	415	0	384	384	100 +	2	385	3	386
UN23317	Rsa1.0.08721.1	915	7000	0	836	842	99 -	74	915	6080	6921
UN23318	Rsa1.0.10720.1	905	5746	0	432	434	99 +	2	435	5313	5746
UN23319	Rsa1.0.00379.1	1284	89865	1.00E-100	245	265	92 +	58	316	86251	86505
UN23320	Rsa1.0.03254.1	847	24311	1.00E-145	316	337	93 +	1	319	2823	3158

UN23321	Rsa1.0.03306.1	753	23873	0	522	526	99 -	10	535	12625	13147
UN23322	Rsa1.0.02054.1	913	35548	1.00E-154	277	277	100 +	151	427	27078	27354
UN23323	Rsa1.0.01403.1	695	46453	1.00E-83	158	158	100 +	399	556	26104	26261
UN23324	Rsa1.0.00124.1	725	262503	1.00E-138	249	249	100 +	1	249	47449	47697
UN23325	Rsa1.0.75825.1	841	302	1.00E-157	281	281	100 -	535	815	1	281
UN23326	Rsa1.0.01776.1	736	39511	1.00E-102	192	193	99 -	233	425	36275	36467
UN23327	Rsa1.0.04198.1	714	18504	0	439	439	100 -	1	439	15738	16176
UN23328	Rsa1.0.01879.1	790	37748	1.00E-139	266	271	98 +	3	273	21820	22090
UN23329	Rsa1.0.14856.1	804	3010	0	383	388	98 -	372	759	1805	2192
UN23330	Rsa1.0.02258.1	1253	33307	1.00E-158	283	283	100 -	971	1253	23440	23722
UN23331	Rsa1.0.02779.1	597	27968	0	591	595	99 -	3	597	3435	4029
UN23332	Rsa1.0.05399.1	1016	13879	0	509	529	96 -	1	528	8834	9350
UN23333	Rsa1.0.21244.1	1379	1222	0	669	672	99 +	708	1379	1	672
UN23334	Rsa1.0.03834.1	542	20572	1.00E-169	314	317	99 -	227	542	17697	18013
UN23335	Rsa1.0.04098.1	752	19078	1.00E-177	318	319	99 -	430	748	11235	11553
UN23336	Rsa1.0.01004.1	709	56975	1.00E-175	342	350	97 -	361	709	16996	17342
UN23337	Rsa1.0.00113.1	715	131574	1.00E-143	279	286	97 +	3	288	59762	60047
UN23338	Rsa1.0.08388.1	787	7436	0	402	414	97 -	1	414	3639	4045
UN23339	Rsa1.0.01180.1	742	51517	1.00E-150	296	305	97 -	9	313	33362	33666
UN23340	Rsa1.0.00181.1	839	114269	1.00E-125	563	662	85 +	186	839	30699	31347
UN23341	Rsa1.0.00415.1	831	86795	0	384	392	97 -	22	413	6755	7145
UN23342	Rsa1.0.00895.1	825	60615	0	472	483	97 +	28	510	39139	39621
UN23343	Rsa1.0.00014.1	722	348985	1.00E-117	215	215	100 +	506	720	220714	220928
UN23344	Rsa1.0.02429.1	999	31527	1.00E-159	318	329	96 -	1	329	12869	13197
UN23345	Rsa1.0.00116.1	720	365886	0	567	580	97 +	141	720	154724	155303
UN23346	Rsa1.0.00119.1	641	467509	0	494	494	100 -	7	500	374988	375481
UN23347	Rsa1.0.10243.1	979	5925	1.00E-135	257	261	98 -	349	609	5665	5925
UN23348	Rsa1.0.05748.1	622	12749	0	618	620	99 +	3	622	10377	10995
UN23349	Rsa1.0.00092.1	965	659932	0	441	472	93 -	24	494	30460	30919
UN23350	Rsa1.0.00055.1	690	520193	2.00E-66	150	157	95 +	505	661	180175	180331
UN23351	Rsa1.0.04377.1	1051	17658	0	916	944	97 -	1	944	5220	6160
UN23352	Rsa1.0.05208.1	613	14504	1.00E-152	312	324	96 +	287	610	3908	4230
UN23353	Rsa1.0.00855.1	1327	62047	0	422	433	97 -	33	465	55971	56401
UN23354	Rsa1.0.00153.1	794	192931	1.00E-124	269	282	95 +	84	365	143143	143418
UN23355	Rsa1.0.02097.1	1419	35036	1.00E-142	297	308	96 +	1115	1419	19172	19479
UN23356	Rsa1.0.03781.1	881	20891	0	581	622	93 +	3	611	4946	5562
UN23357	Rsa1.0.00077.1	1352	145005	0	500	507	98 -	1	506	82456	82962
UN23358	Rsa1.0.05847.1	1054	12433	0	532	545	97 +	512	1054	8210	8752
UN23359	Rsa1.0.00248.1	826	163568	0	609	629	96 -	197	823	40210	40834

UN23360	Rsa1.0_10699.1	825	5752	0	509	513	99 +	1	513	3941	4453
UN23361	Rsa1.0_02229.1	1611	33672	0	506	512	98 +	202	713	24817	25328
UN23362	Rsa1.0_00237.1	1184	235974	0	575	581	98 +	1	579	41571	42151
UN23363	Rsa1.0_00630.1	1449	71281	0	508	519	97 +	708	1226	62260	62778
UN23364	Rsa1.0_01327.1	898	48033	1.00E-150	326	340	95 +	4	340	14641	14977
UN23365	Rsa1.0_03513.1	828	22349	0	464	479	96 -	350	825	20313	20791
UN23366	Rsa1.0_03581.1	1101	21965	0	558	561	99 +	541	1101	12554	13114
UN23367	Rsa1.0_00203.1	1843	109129	0	1112	1165	95 +	9	1173	36927	38088
UN23368	Rsa1.0_04446.1	1290	17317	0	711	723	98 -	262	984	2267	2989
UN23369	Rsa1.0_04139.1	1450	18883	1.00E-176	348	358	97 +	1093	1450	16416	16772
UN23370	Rsa1.0_32848.1	1998	692	0	466	481	96 -	3	481	1	481
UN23371	Rsa1.0_00389.1	1325	88795	1.00E-174	357	369	96 -	958	1325	85320	85680
UN23372	Rsa1.0_00417.1	2258	395068	0	2225	2255	98 -	3	2257	6393	8645
UN23373	Rsa1.0_08568.1	980	7186	0	688	691	99 -	3	693	2268	2957
UN23374	Rsa1.0_02167.1	1675	34401	0	582	587	99 +	1088	1674	28475	29061
UN23375	Rsa1.0_00107.1	1716	431659	0	505	510	99 +	226	735	145075	145581
UN23376	Rsa1.0_00538.1	1499	77149	1.00E-176	353	363	97 +	1137	1499	18485	18842
UN23377	Rsa1.0_01996.1	692	36327	1.00E-153	296	302	98 -	393	692	28067	28368
UN23378	Rsa1.0_01079.1	1456	54753	1.00E-148	275	278	98 +	1177	1454	24471	24748
UN23379	Rsa1.0_00048.1	1317	167185	0	393	395	99 -	924	1317	81391	81784
UN23380	Rsa1.0_00707.1	1240	190112	0	676	681	99 -	559	1238	38568	39247
UN23381	Rsa1.0_01860.1	847	38057	0	535	537	99 +	5	541	521	1057
UN23382	Rsa1.0_00447.1	1087	84051	1.00E-131	238	238	100 -	849	1086	25257	25494
UN23383	Rsa1.0_02064.1	1118	35476	0	355	359	98 -	1	357	15796	16154
UN23384	Rsa1.0_01068.1	1373	55208	0	508	527	96 +	859	1373	35984	36509
UN23385	Rsa1.0_00848.1	1282	152362	1.00E-135	260	264	98 -	1013	1276	39167	39429
UN23386	Rsa1.0_00087.1	1051	761073	1.00E-142	286	295	96 +	17	308	298357	298651
UN23387	Rsa1.0_00468.1	974	82095	0	400	413	96 -	571	974	75525	75937
UN23388	Rsa1.0_00065.1	1642	454616	1.00E-122	312	335	93 +	1291	1620	438582	438911
UN23389	Rsa1.0_00582.1	1849	74333	0	420	442	95 -	1	440	64112	64540
UN23390	Rsa1.0_02458.1	898	31197	1.00E-170	336	345	97 -	3	347	9247	9587
UN23391	Rsa1.0_00197.1	1616	109714	0	637	641	99 +	970	1609	92930	93570
UN23392	Rsa1.0_00805.1	1848	63724	0	844	854	98 +	1	854	3601	4448
UN23393	Rsa1.0_23419.1	764	1050	4.00E-83	185	192	96 -	571	759	859	1050
UN23394	Rsa1.0_00546.1	1624	76523	0	615	615	100 -	371	985	39401	40015
UN23395	Rsa1.0_00385.1	1342	89160	0	778	785	99 +	561	1341	47991	48775
UN23396	Rsa1.0_03894.1	1017	20207	0	888	890	99 -	127	1016	2448	3337
UN23397	Rsa1.0_00025.1	1193	277312	0	638	675	94 +	3	677	52141	52811
UN23398	Rsa1.0_00108.1	2332	478491	1.00E-135	282	292	96 +	2042	2330	277523	277814

UN23399	Rsa1.0.00194.1	1135	110851	1.00E-135	253	255	99 -	881	1135	100099	100351
UN23400	Rsa1.0.03940.1	1406	19962	0	798	803	99 +	411	1213	11912	12712
UN23401	Rsa1.0.00058.1	1389	159921	1.00E-173	320	324	98 -	5	328	30217	30540
UN23402	Rsa1.0.00002.1	804	601661	1.00E-137	278	289	96 -	517	798	18030	18318
UN23403	Rsa1.0.03681.1	1737	21405	0	1297	1305	99 -	410	1714	664	1965
UN23404	Rsa1.0.00670.1	1923	69371	0	689	695	99 -	26	720	37674	38368
UN23405	Rsa1.0.00057.1	1115	160473	0	377	378	99 -	3	380	49865	50242
UN23406	Rsa1.0.00041.1	1605	186197	0	456	474	96 -	1113	1586	151511	151983
UN23407	Rsa1.0.00858.1	1759	61892	1.00E-155	282	283	99 +	835	1117	53263	53545
UN23408	Rsa1.0.01042.1	1256	293264	0	647	649	99 -	1	649	137345	137993
UN23409	Rsa1.0.00801.1	1600	63861	0	1524	1541	98 -	17	1555	11409	12949
UN23410	Rsa1.0.03130.1	1125	25145	1.00E-156	290	292	99 +	835	1125	2282	2573
UN23411	Rsa1.0.07818.1	785	8477	1.00E-144	306	319	95 +	467	785	561	876
UN23412	Rsa1.0.00905.1	1943	60110	0	719	737	97 -	805	1538	26071	26807
UN23413	Rsa1.0.00090.1	1785	273859	1.00E-141	299	313	95 +	12	316	51349	51661
UN23414	Rsa1.0.08419.1	796	7381	0	445	457	97 -	283	738	6926	7381
UN23415	Rsa1.0.02919.1	1408	26780	0	404	408	99 +	1004	1408	7688	8095
UN23416	Rsa1.0.01459.1	1692	45277	0	373	379	98 +	1	379	22453	22828
UN23417	Rsa1.0.05354.1	2190	14073	0	464	488	95 +	1710	2190	4161	4646
UN23418	Rsa1.0.00053.1	900	263459	0	545	547	99 -	354	900	235093	235639
UN23419	Rsa1.0.00275.1	749	210104	3.00E-99	187	188	99 -	312	499	23445	23632
UN23420	Rsa1.0.00274.1	1716	210119	0	525	533	98 +	3	535	44412	44944
UN23421	Rsa1.0.00772.1	1867	64856	0	591	593	99 -	417	1009	52504	53096
UN23422	Rsa1.0.00277.1	1672	100132	1.00E-153	278	279	99 +	3	281	48117	48395
UN23423	Rsa1.0.02163.1	1043	34427	0	1041	1041	100 -	3	1043	12718	13758
UN23424	Rsa1.0.01578.1	1052	42880	0	359	361	99 +	689	1049	31335	31695
UN23425	Rsa1.0.00111.1	961	390088	1.00E-116	254	263	96 -	702	961	77400	77659
UN23426	Rsa1.0.00113.1	1399	131574	2.33E-156	270	271	99 +	2	271	79736	80006
UN23427	Rsa1.0.01462.1	2054	45231	0	563	568	99 +	3	569	29979	30546
UN23428	Rsa1.0.03684.1	672	21392	0	410	414	99 -	3	415	14749	15162
UN23429	Rsa1.0.02561.1	1203	30080	1.00E-116	216	217	99 +	123	339	13929	14145
UN23430	Rsa1.0.00978.1	797	57739	0	466	472	98 +	329	797	14022	14493
UN23431	Rsa1.0.01540.1	1880	151890	0	494	494	100 +	1386	1879	111905	112398
UN23432	Rsa1.0.00023.1	1191	194764	0	567	573	98 -	3	573	172209	172780
UN23433	Rsa1.0.05329.1	1871	14130	0	506	507	99 +	1	506	6657	7163
UN23434	Rsa1.0.01561.1	916	43227	0	430	443	97 +	474	916	28427	28869
UN23435	Rsa1.0.05782.1	1030	12646	1.00E-120	239	245	97 +	785	1029	9196	9436
UN23436	Rsa1.0.14746.1	2026	3110	1.00E-162	437	482	90 +	1229	1706	1379	1841
UN23437	Rsa1.0.01957.1	2317	36844	0	437	451	96 +	1872	2317	33257	33707

UN23438	Rsa1.0.00136.1	1523	122464	0	457	461	99 +	161	621	34049	34509
UN23439	Rsa1.0.02908.1	1633	26859	0	378	378	100 -	1	378	9465	9842
UN23440	Rsa1.0.00749.1	2051	65933	0	554	587	94 +	825	1408	20245	20811
UN23441	Rsa1.0.07614.1	1579	9019	1.00E-155	281	282	99 +	1298	1579	8150	8431
UN23442	Rsa1.0.00824.1	1775	188447	0	1671	1699	98 +	73	1769	154502	156199
UN23443	Rsa1.0.00336.1	834	445051	0	676	679	99 -	150	828	2227	2905
UN23444	Rsa1.0.02654.1	506	29028	1.00E-168	306	308	99 -	199	506	19592	19899
UN23445	Rsa1.0.01148.1	665	52375	0	478	484	98 -	182	664	31443	31926
UN23446	Rsa1.0.00749.1	895	65933	0	636	649	97 -	205	848	44789	45434
UN23447	Rsa1.0.00821.1	1234	62891	0	494	518	95 -	708	1225	42350	42866
UN23448	Rsa1.0.02431.1	726	31504	1.00E-156	329	340	96 +	395	726	29244	29583
UN23449	Rsa1.0.00071.1	1083	345714	0	478	487	98 +	595	1081	72109	72592
UN23450	Rsa1.0.01248.1	1212	154103	1.00E-111	217	221	98 -	990	1210	41440	41660
UN23451	Rsa1.0.00360.1	895	91190	1.00E-168	302	303	99 +	589	891	78998	79300
UN23452	Rsa1.0.02515.1	1422	30616	1.00E-120	322	355	90 +	1	355	1015	1352
UN23453	Rsa1.0.00734.1	1239	66508	0	364	369	98 -	870	1237	53524	53891
UN23454	Rsa1.0.00002.1	1449	601661	0	654	668	97 +	403	1070	278342	279009
UN23455	Rsa1.0.09709.1	756	6198	0	746	757	98 -	4	755	2933	3689
UN23456	Rsa1.0.01537.1	978	187285	0	499	502	99 -	477	978	175325	175826
UN23457	Rsa1.0.07959.1	597	8173	1.00E-179	361	373	96 +	3	375	5552	5921
UN23458	Rsa1.0.40824.1	1039	550	1.00E-135	269	278	96 +	73	350	263	533
UN23459	Rsa1.0.00377.1	989	90038	1.00E-150	353	382	92 +	1	369	51755	52136
UN23460	Rsa1.0.00179.1	1019	393324	1.00E-141	270	274	98 +	3	275	213977	214250
UN23461	Rsa1.0.04806.1	691	15898	0	537	580	92 -	1	559	7069	7640
UN23462	Rsa1.0.00353.1	1898	92242	0	824	850	96 +	945	1783	60960	61808
UN23463	Rsa1.0.01300.1	1564	48942	0	653	671	97 +	352	1022	33052	33708
UN23464	Rsa1.0.01186.1	1232	51418	0	714	721	99 -	509	1229	2229	2949
UN23465	Rsa1.0.04031.1	653	19489	0	365	376	97 +	2	377	960	1334
UN23466	Rsa1.0.00090.1	753	273859	1.00E-180	359	370	97 +	385	751	141630	141998
UN23467	Rsa1.0.00660.1	968	69688	1.00E-171	329	336	97 +	633	966	17669	18004
UN23468	Rsa1.0.01552.1	728	43396	0	385	387	99 -	41	427	25165	25551
UN23469	Rsa1.0.01313.1	968	48387	1.00E-150	318	333	95 +	596	927	16151	16483
UN23470	Rsa1.0.00062.1	743	299291	0	740	741	99 +	1	740	247931	248671
UN23471	Rsa1.0.03074.1	766	25568	0	401	403	99 +	3	405	3414	3816
UN23472	Rsa1.0.00389.1	1789	88795	1.00E-149	275	277	99 +	15	291	29355	29631
UN23473	Rsa1.0.01460.1	872	45255	0	415	418	99 -	1	417	3258	3675
UN23474	Rsa1.0.00135.1	1297	178077	0	799	801	99 -	126	925	165548	166348
UN23475	Rsa1.0.00427.1	592	189678	1.00E-150	309	320	96 -	2	321	162553	162869
UN23476	Rsa1.0.00047.1	1014	168582	1.00E-142	275	280	98 +	12	291	165001	165279

UN23477	Rsa1.0.02150.1	1135	34580	0	535	536	99 +	597	1132	17386	17921
UN23478	Rsa1.0.06541.1	731	10806	1.00E-101	290	316	91 +	9	316	10064	10372
UN23479	Rsa1.0.00116.1	967	365886	0	357	362	98 -	510	871	35472	35833
UN23480	Rsa1.0.00838.1	1406	153820	0	628	636	98 -	769	1404	52111	52744
UN23481	Rsa1.0.04031.1	689	19489	0	369	376	98 +	9	384	960	1334
UN23482	Rsa1.0.00318.1	1200	96094	1.00E-156	286	288	99 +	913	1200	29692	29979
UN23483	Rsa1.0.02969.1	985	26390	1.00E-164	319	325	98 +	661	984	17574	17897
UN23484	Rsa1.0.00027.1	950	283362	1.00E-148	307	319	96 -	636	950	105057	105373
UN23485	Rsa1.0.01860.1	794	38057	0	505	528	95 +	3	518	531	1057
UN23486	Rsa1.0.60478.1	813	379	1.00E-140	265	269	98 -	110	378	96	364
UN23487	Rsa1.0.00391.1	1072	183853	0	324	325	99 -	1	325	86965	87289
UN23488	Rsa1.0.00123.1	2041	325650	0	422	435	97 -	1606	2039	59853	60285
UN23489	Rsa1.0.00490.1	918	186713	0	361	365	98 +	557	918	21840	22204
UN23490	Rsa1.0.01296.1	700	49035	1.00E-132	269	276	97 -	1	270	23171	23446
UN23491	Rsa1.0.00033.1	756	515811	2.33E-156	326	344	94 -	419	755	365282	365622
UN23492	Rsa1.0.00058.1	680	159921	0	508	513	99 -	167	679	49040	49550
UN23493	Rsa1.0.04371.1	1408	17700	1.00E-179	366	381	96 -	7	387	2476	2853
UN23494	Rsa1.0.03127.1	1666	25191	0	937	949	98 -	1	946	18507	19455
UN23495	Rsa1.0.02700.1	1201	28584	0	415	421	98 -	745	1164	2935	3354
UN23496	Rsa1.0.05112.1	1540	14814	0	341	342	99 +	1	341	11193	11534
UN23497	Rsa1.0.04794.1	776	15960	1.00E-168	421	457	92 +	331	776	2694	3144
UN23498	Rsa1.0.47682.1	654	474	1.00E-153	274	274	100 +	1	274	109	382
UN23499	Rsa1.0.09126.1	1374	6625	0	619	645	95 +	1	642	5071	5707
UN23500	Rsa1.0.00923.1	575	153678	0	432	436	99 +	1	436	152552	152986
UN23501	Rsa1.0.02904.1	1660	26883	1.00E-170	357	372	95 +	581	946	4883	5253
UN23502	Rsa1.0.02228.1	1188	33688	1.00E-163	362	384	94 +	3	376	10171	10554
UN23503	Rsa1.0.01041.1	824	55910	1.00E-174	348	358	97 +	3	354	26433	26790
UN23504	Rsa1.0.05166.1	960	14624	1.00E-171	321	325	98 +	636	960	14105	14428
UN23505	Rsa1.0.00141.1	814	121494	0	375	385	97 +	432	813	20677	21061
UN23506	Rsa1.0.08846.1	1796	6867	1.00E-164	308	313	98 -	1	313	3201	3513
UN23507	Rsa1.0.00959.1	828	58202	1.00E-125	291	309	94 +	4	311	3659	3957
UN23508	Rsa1.0.00077.1	1354	145005	0	506	506	100 +	847	1352	82456	82961
UN23509	Rsa1.0.04785.1	968	15993	1.00E-154	310	321	96 -	339	659	7584	7904
UN23510	Rsa1.0.00753.1	1188	65705	1.00E-163	345	363	95 +	1	363	518	870
UN23511	Rsa1.0.00248.1	933	163568	0	707	738	95 -	199	930	40101	40834
UN23512	Rsa1.0.10699.1	929	5752	0	559	571	97 +	1	571	3884	4453
UN23513	Rsa1.0.03426.1	599	23010	0	579	598	96 -	3	596	10671	11267
UN23514	Rsa1.0.00003.1	918	340054	0	580	596	97 -	1	590	258511	259102
UN23515	Rsa1.0.01879.1	1091	37748	0	417	421	99 -	1	421	23051	23471

UN23555	Rsa1.0.00489.1	790	80434	1.00E-152	273	273	100 +	137	409	47295	47567
UN23556	Rsa1.0.00008.1	877	358124	1.00E-166	306	309	99 +	249	557	54138	54446
UN23557	Rsa1.0.01505.1	869	44382	1.00E-150	293	300	97 -	1	300	38967	39264
UN23558	Rsa1.0.00008.1	753	358124	0	356	365	97 +	391	752	73510	73874
UN23559	Rsa1.0.00006.1	787	396176	0	497	500	99 -	288	787	301523	302022
UN23560	Rsa1.0.17354.1	559	1851	1.00E-175	396	421	94 -	140	558	284	701
UN23561	Rsa1.0.00936.1	444	59078	1.00E-152	307	316	97 -	126	441	27801	28114
UN23562	Rsa1.0.02288.1	17828	32984	0	903	936	96 -	2283	3218	31569	32502
UN23563	Rsa1.0.04071.1	1865	19243	0	345	346	99 -	1520	1865	10753	11098
UN23564	Rsa1.0.00031.1	1013	179862	0	498	504	98 -	99	602	82448	82951
UN23565	Rsa1.0.00417.1	892	395068	0	353	355	99 -	52	406	14475	14829
UN23566	Rsa1.0.03698.1	1648	21302	0	691	733	94 -	715	1435	7114	7832
UN23567	Rsa1.0.75906.1	534	302	1.00E-163	297	299	99 +	124	422	3	301
UN23568	Rsa1.0.04580.1	632	16773	2.00E-84	168	171	98 +	192	362	8538	8708
UN23569	Rsa1.0.00357.1	814	173671	1.00E-122	222	222	100 -	192	413	9232	9453
UN23570	Rsa1.0.02428.1	873	31542	1.00E-101	231	242	95 -	504	743	25352	25590
UN23571	Rsa1.0.01081.1	931	499226	6.00E-86	250	273	91 -	663	931	323211	323476
UN23572	Rsa1.0.01245.1	637	149868	1.00E-180	351	359	97 +	275	632	28733	29090
UN23573	Rsa1.0.00170.1	899	179538	1.00E-141	258	259	99 -	346	604	28952	29210
UN23574	Rsa1.0.00034.1	1285	260119	0	638	667	95 -	2	666	48060	48726
UN23575	Rsa1.0.00838.1	731	153820	1.00E-107	198	198	100 -	118	315	150288	150485
UN23576	Rsa1.0.02845.1	706	27340	0	386	389	99 +	229	616	3483	3871
UN23577	Rsa1.0.01016.1	657	181422	0	462	492	93 -	2	493	171865	172340
UN23578	Rsa1.0.02540.1	1259	30344	0	932	950	98 -	3	952	4744	5690
UN23579	Rsa1.0.27096.1	849	866	0	389	406	95 -	3	400	335	740
UN23580	Rsa1.0.06071.1	874	11813	0	513	524	97 -	353	874	8845	9367
UN23581	Rsa1.0.02326.1	795	32503	0	519	548	94 -	2	537	9274	9821
UN23582	Rsa1.0.01242.1	1565	50066	0	1057	1080	97 +	3	1082	47957	49035
UN23583	Rsa1.0.00047.1	1261	168582	0	517	557	92 -	1	537	67922	68477
UN23584	Rsa1.0.41382.1	722	543	1.00E-160	357	378	94 +	173	547	1	369
UN23585	Rsa1.0.01515.1	848	170864	0	514	538	95 +	308	845	157969	158506
UN23586	Rsa1.0.04578.1	743	16774	1.00E-180	348	354	98 +	394	743	16195	16547
UN23587	Rsa1.0.02228.1	1051	33688	0	931	968	96 +	32	997	20944	21909
UN23588	Rsa1.0.01460.1	782	45255	0	600	652	92 -	3	635	33286	33929
UN23589	Rsa1.0.01285.1	716	172709	0	386	389	99 +	5	393	36504	36892
UN23590	Rsa1.0.00476.1	848	280966	1.00E-117	260	274	94 -	520	793	234226	234498
UN23591	Rsa1.0.00157.1	795	245832	0	723	724	99 +	1	724	12249	12972
UN23592	Rsa1.0.01803.1	986	173846	0	452	452	100 +	535	986	137460	137911
UN23593	Rsa1.0.00042.1	761	171507	1.00E-130	272	284	95 +	112	395	155679	155962

UN23594	Rsa1.0_03005.1	659	26082	0	656	657	99 +	3	659	19679	20335
UN23595	Rsa1.0_10110.1	561	5994	0	468	492	95 -	45	536	4576	5061
UN23596	Rsa1.0_01452.1	883	45459	0	878	881	99 +	1	881	10069	10949
UN23597	Rsa1.0_00733.1	875	66583	4.00E-99	196	200	98 -	258	457	48918	49117
UN23598	Rsa1.0_00351.1	784	413096	0	636	644	98 -	141	784	246027	246668
UN23599	Rsa1.0_00681.1	741	68779	0	458	474	96 +	268	741	37951	38415
UN23600	Rsa1.0_00566.1	542	75325	0	498	498	100 -	1	498	26259	26756
UN23601	Rsa1.0_02387.1	910	31890	0	366	369	99 -	1	369	4637	5003
UN23602	Rsa1.0_09270.1	822	6513	0	798	824	96 +	9	822	5297	6119
UN23603	Rsa1.0_00618.1	787	72195	0	501	504	99 -	1	504	62676	63178
UN23604	Rsa1.0_00017.1	1525	752458	0	848	887	95 -	227	1113	56177	57054
UN23605	Rsa1.0_00080.1	1597	190437	0	524	563	93 -	944	1496	64464	65012
UN23606	Rsa1.0_02059.1	739	35532	1.00E-137	248	248	100 -	3	250	32783	33030
UN23607	Rsa1.0_06364.1	1315	11151	0	1294	1313	98 -	1	1313	5330	6642
UN23608	Rsa1.0_02053.1	1343	35554	0	367	368	99 -	2	369	12183	12550
UN23609	Rsa1.0_01588.1	456	42724	1.00E-151	274	275	99 -	182	456	5081	5355
UN23610	Rsa1.0_12341.1	685	5250	1.00E-108	220	227	96 +	1	227	206	432
UN23611	Rsa1.0_01642.1	1103	41772	0	1057	1113	94 -	12	1103	14421	15532
UN23612	Rsa1.0_00642.1	1211	201230	1.00E-135	273	282	96 -	485	763	163117	163398
UN23613	Rsa1.0_00031.1	550	179862	1.00E-120	276	294	93 +	4	297	64518	64809
UN23614	Rsa1.0_01635.1	709	41865	0	548	571	95 -	141	705	7236	7801
UN23615	Rsa1.0_06751.1	571	10417	1.00E-124	292	310	94 -	40	349	9247	9548
UN23616	Rsa1.0_02265.1	1109	33233	0	468	475	98 -	1	475	25713	26184
UN23617	Rsa1.0_01666.1	1116	173972	0	1114	1114	100 -	3	1116	145664	146777
UN23618	Rsa1.0_00681.1	1509	68779	0	430	430	100 -	1080	1509	26837	27266
UN23619	Rsa1.0_00073.1	967	240924	1.00E-179	337	342	98 +	626	967	13026	13366
UN23620	Rsa1.0_33726.1	726	672	0	671	676	99 +	51	726	1	671
UN23621	Rsa1.0_11080.1	1159	5623	1.00E-170	361	380	95 -	396	775	1789	2168
UN23622	Rsa1.0_16459.1	751	2148	1.00E-159	423	468	90 +	285	751	1564	2031
UN23623	Rsa1.0_01039.1	459	55946	1.00E-63	127	128	99 -	2	129	32012	32139
UN23624	Rsa1.0_00457.1	806	337301	1.00E-107	445	533	83 +	304	806	302541	303031
UN23625	#	#	#	#	#	#	#	#	#	#	#
UN23626	Rsa1.0_02028.1	1311	35857	0	511	523	97 +	3	525	26577	27098
UN23627	Rsa1.0_00149.1	755	305196	1.00E-152	297	305	97 -	142	446	180454	180758
UN23628	Rsa1.0_00002.1	771	601661	0	740	768	96 +	8	771	411316	412069
UN23629	Rsa1.0_02803.1	1140	27715	0	627	638	98 +	503	1140	5049	5685
UN23630	Rsa1.0_01041.1	965	55910	0	851	883	96 +	84	965	37194	38061
UN23631	Rsa1.0_00040.1	423	324196	1.00E-103	226	236	95 +	178	413	228102	228333
UN23632	Rsa1.0_00796.1	656	63997	1.00E-105	197	198	99 +	268	465	57607	57804

UN23633	Rsa1.0.03490.1	949	22545	0	932	955	97 +	1	949	12776	13730
UN23634	Rsa1.0.00703.1	1243	67597	0	474	499	94 -	9	501	8411	8902
UN23635	Rsa1.0.00017.1	753	752458	6.00E-76	176	185	95 +	107	290	275131	275315
UN23636	Rsa1.0.00019.1	738	301669	0	596	620	96 -	36	641	22469	23088
UN23637	Rsa1.0.03880.1	746	20293	1.00E-175	392	422	92 -	4	424	19678	20081
UN23638	Rsa1.0.00684.1	647	141701	1.00E-173	327	332	98 -	1	331	43174	43505
UN23639	Rsa1.0.03629.1	1328	21649	0	731	743	98 -	1	742	13994	14736
UN23640	Rsa1.0.15215.1	850	2752	1.00E-170	325	332	97 -	4	331	1684	2015
UN23641	Rsa1.0.00178.1	890	114861	0	821	849	96 -	2	837	5884	6732
UN23642	Rsa1.0.00305.1	663	97308	0	609	647	94 +	17	663	37471	38094
UN23643	Rsa1.0.03992.1	621	19675	1.00E-100	195	198	98 +	11	208	12053	12250
UN23644	Rsa1.0.03713.1	824	21221	1.00E-153	357	381	93 -	446	824	10526	10904
UN23645	Rsa1.0.00358.1	829	91293	0	444	463	95 +	3	460	32086	32539
UN23646	Rsa1.0.00293.1	1432	339294	0	750	795	94 -	630	1415	318318	319106
UN23647	Rsa1.0.01104.1	1153	285480	0	1123	1150	97 -	3	1151	5773	6922
UN23648	Rsa1.0.00218.1	658	201480	1.00E-180	407	433	93 -	235	658	162645	163076
UN23649	Rsa1.0.00252.1	691	102760	6.00E-79	192	206	93 +	180	385	61583	61788
UN23650	Rsa1.0.03281.1	801	143349	1.00E-131	241	242	99 -	382	623	137634	137875
UN23651	Rsa1.0.06042.1	840	11860	0	395	397	99 +	2	398	8961	9356
UN23652	Rsa1.0.06751.1	558	10417	1.00E-111	291	314	92 +	221	534	9247	9548
UN23653	Rsa1.0.08326.1	588	7534	1.00E-121	252	261	96 -	3	262	3841	4101
UN23654	Rsa1.0.00938.1	1625	193891	1.00E-171	346	358	96 +	402	759	186475	186831
UN23655	Rsa1.0.01077.1	758	54772	0	377	385	97 -	2	386	28257	28640
UN23656	Rsa1.0.01511.1	817	44235	1.00E-150	279	282	98 -	299	580	29770	30051
UN23657	Rsa1.0.00273.1	695	326186	1.00E-151	344	366	93 -	283	640	113973	114338
UN23658	Rsa1.0.00066.1	580	152418	1.00E-112	267	285	93 -	254	536	139769	140053
UN23659	Rsa1.0.05273.1	839	14304	1.00E-147	294	303	97 +	4	303	13689	13991
UN23660	Rsa1.0.00868.1	1866	61630	0	464	474	97 +	539	1012	13926	14399
UN23661	Rsa1.0.01689.1	705	40944	1.00E-166	296	296	100 -	6	301	28308	28603
UN23662	Rsa1.0.02817.1	1243	27644	0	824	826	99 -	1	826	21193	22018
UN23663	Rsa1.0.00131.1	1635	432233	0	474	495	95 +	83	569	65724	66217
UN23664	Rsa1.0.03264.1	794	145959	0	558	580	96 -	6	584	143112	143683
UN23665	Rsa1.0.00589.1	904	209965	0	545	557	97 +	3	556	9740	10294
UN23666	Rsa1.0.00945.1	790	58714	0	440	466	94 +	2	467	30453	30912
UN23667	Rsa1.0.00055.1	1160	520193	0	595	627	94 +	2	627	350353	350963
UN23668	Rsa1.0.00153.1	744	192931	1.00E-138	297	311	95 -	434	744	143113	143418
UN23669	Rsa1.0.08257.1	1105	7650	0	1024	1088	94 +	5	1087	1239	2322
UN23670	Rsa1.0.22067.1	451	1152	1.00E-173	317	319	99 +	132	450	113	430
UN23671	Rsa1.0.08220.1	1561	7701	0	834	868	96 +	695	1561	775	1642

UN23672	Rsa1.0_00005.1	303	353093	1.00E-106	278	303	91 +	1	303	300500	300800
UN23673	Rsa1.0_03237.1	1103	24434	0	593	618	95 +	492	1103	10287	10903
UN23674	Rsa1.0_00341.1	723	249309	1.00E-168	356	373	95 -	3	372	112596	112967
UN23675	Rsa1.0_01369.1	1387	47127	0	601	608	98 -	782	1387	28226	28833
UN23676	Rsa1.0_08681.1	720	7046	0	608	662	91 +	51	706	5337	5985
UN23677	Rsa1.0_03640.1	1399	21624	0	926	974	95 -	435	1399	15031	15995
UN23678	Rsa1.0_00017.1	749	752458	0	466	485	96 +	3	481	313761	314244
UN23679	Rsa1.0_00171.1	1412	115622	0	488	495	98 -	2	495	102394	102885
UN23680	Rsa1.0_00780.1	748	147795	0	503	527	95 -	3	529	25606	26120
UN23681	Rsa1.0_00028.1	617	293984	1.00E-162	293	294	99 -	324	617	137283	137576
UN23682	Rsa1.0_01147.1	667	52391	1.00E-106	228	239	95 +	435	667	3522	3760
UN23683	Rsa1.0_21673.1	698	1183	0	679	695	97 -	1	695	266	949
UN23684	Rsa1.0_00055.1	1258	520193	0	411	427	96 +	557	983	198752	199178
UN23685	Rsa1.0_00642.1	1135	201230	0	653	672	97 -	1	672	180069	180739
UN23686	Rsa1.0_00483.1	1119	81102	0	531	555	95 +	342	878	2359	2913
UN23687	Rsa1.0_00362.1	1023	299497	1.00E-168	327	336	97 +	688	1023	14774	15109
UN23688	Rsa1.0_05015.1	813	15125	1.00E-114	271	290	93 -	521	809	7027	7307
UN23689	Rsa1.0_00417.1	957	395068	0	502	523	95 -	21	543	259259	259778
UN23690	Rsa1.0_01651.1	1076	41586	1.00E-127	241	243	99 +	3	243	40170	40412
UN23691	Rsa1.0_00178.1	1104	114861	0	1067	1120	95 -	1	1104	82100	83218
UN23692	Rsa1.0_05280.1	1173	14272	0	575	577	99 -	1	577	13568	14143
UN23693	Rsa1.0_00016.1	789	831256	1.00E-160	348	363	95 -	176	526	13149	13510
UN23694	Rsa1.0_02418.1	835	31590	0	829	833	99 +	1	833	9653	10485
UN23695	Rsa1.0_00055.1	800	520193	1.00E-176	433	476	90 -	296	770	59049	59506
UN23696	Rsa1.0_09388.1	1136	6405	1.00E-155	336	355	94 -	780	1134	2854	3208
UN23697	Rsa1.0_01682.1	814	41090	0	601	601	100 -	214	814	40467	41067
UN23698	Rsa1.0_00855.1	752	62047	0	392	401	97 -	1	397	13651	14051
UN23699	Rsa1.0_00016.1	1224	831256	0	450	477	94 -	374	850	253037	253513
UN23700	Rsa1.0_00774.1	1459	64831	0	518	520	99 -	940	1459	3761	4280
UN23701	Rsa1.0_00855.1	1201	62047	1.00E-156	370	395	93 -	1	394	55971	56361
UN23702	Rsa1.0_00651.1	724	247766	1.00E-104	196	197	99 -	1	197	186768	186964
UN23703	Rsa1.0_03890.1	968	20223	0	427	448	95 -	3	446	3988	4426
UN23704	Rsa1.0_00823.1	1762	62889	0	580	616	94 +	1152	1761	5743	6358
UN23705	Rsa1.0_00401.1	998	244410	0	380	385	98 +	299	683	241585	241969
UN23706	Rsa1.0_00101.1	1053	267193	0	883	897	98 -	2	896	65403	66299
UN23707	Rsa1.0_00299.1	978	97770	0	928	973	95 -	2	974	9351	10320
UN23708	Rsa1.0_00440.1	2088	84723	1.00E-144	260	260	100 +	1829	2088	21994	22253
UN23709	Rsa1.0_01009.1	612	56922	1.00E-107	239	253	94 +	359	611	29788	30034
UN23710	Rsa1.0_05741.1	557	12773	1.00E-178	357	368	97 -	187	554	3067	3431

UN23711	Rsa1.0_01732.1	935	40194	0	448	461	97 +	475	935	35777	36237
UN23712	Rsa1.0_00533.1	763	77375	1.00E-131	273	282	96 -	464	744	47019	47299
UN23713	Rsa1.0_01000.1	594	57140	1.00E-122	229	231	99 -	109	339	44394	44624
UN23714	Rsa1.0_01126.1	952	53127	2.00E-79	185	194	95 +	2	194	25932	26123
UN23715	Rsa1.0_05382.1	1198	13963	0	404	411	98 +	440	850	423	833
UN23716	Rsa1.0_02551.1	1830	30196	0	467	477	97 +	1352	1825	27667	28141
UN23717	Rsa1.0_07767.1	788	8609	1.00E-168	308	311	99 +	53	363	5425	5735
UN23718	Rsa1.0_00019.1	1055	301669	1.00E-156	279	279	100 +	369	647	238711	238989
UN23719	Rsa1.0_00098.1	1010	349239	0	772	798	96 +	12	809	311145	311942
UN23720	Rsa1.0_00337.1	457	143174	0	442	458	96 -	1	457	4687	5144
UN23721	Rsa1.0_02071.1	885	35409	0	857	858	99 -	1	858	15292	16149
UN23722	Rsa1.0_01461.1	727	45240	0	704	745	94 -	1	727	27346	28089
UN23723	Rsa1.0_01561.1	894	43227	1.00E-142	301	314	95 +	567	880	9197	9506
UN23724	Rsa1.0_00135.1	758	178077	0	747	755	98 -	1	755	33256	34010
UN23725	Rsa1.0_00487.1	683	80674	1.00E-161	325	336	96 +	2	337	12904	13238
UN23726	Rsa1.0_00060.1	714	502678	0	379	380	99 +	1	380	368870	369249
UN23727	Rsa1.0_10093.1	1730	6001	0	509	530	96 -	3	529	4459	4988
UN23728	Rsa1.0_01344.1	772	142535	1.00E-168	374	396	94 +	383	772	129448	129843
UN23729	Rsa1.0_00342.1	794	93695	1.00E-173	412	440	93 -	1	438	57424	57860
UN23730	Rsa1.0_01549.1	874	43543	0	441	445	99 -	430	874	35995	36439
UN23731	Rsa1.0_00100.1	725	249232	0	700	729	96 -	3	725	196539	197261
UN23732	Rsa1.0_00123.1	672	325650	1.00E-180	319	319	100 -	354	672	241743	242061
UN23733	Rsa1.0_01845.1	1211	38415	1.00E-170	336	344	97 -	866	1207	36041	36384
UN23734	Rsa1.0_07398.1	431	9464	1.00E-162	310	316	98 +	113	428	3970	4282
UN23735	Rsa1.0_00421.1	882	86365	1.00E-147	324	341	95 -	525	865	75841	76174
UN23736	Rsa1.0_01827.1	1201	143321	1.00E-123	319	346	92 -	851	1191	130946	131280
UN23737	Rsa1.0_00089.1	1467	406142	1.00E-173	369	387	95 -	1083	1465	95904	96290
UN23738	Rsa1.0_00472.1	611	398134	1.00E-124	318	344	92 +	271	609	273297	273639
UN23739	Rsa1.0_12999.1	1381	5050	0	434	437	99 -	651	1087	128	563
UN23740	Rsa1.0_09008.1	1281	6712	1.00E-133	241	241	100 -	1019	1259	1	241
UN23741	Rsa1.0_00190.1	1182	318240	1.00E-144	353	379	93 +	348	717	151660	152038
UN23742	Rsa1.0_13877.1	1235	4169	0	1229	1237	99 +	3	1235	1241	2475
UN23743	Rsa1.0_07556.1	679	9136	0	598	625	95 -	40	660	8086	8703
UN23744	Rsa1.0_00163.1	1531	116847	0	455	475	95 -	1	475	83512	83980
UN23745	Rsa1.0_01442.1	708	45776	0	700	707	99 -	3	708	4636	5342
UN23746	Rsa1.0_04332.1	776	17869	0	414	424	97 -	3	426	6775	7192
UN23747	Rsa1.0_04214.1	694	18437	0	368	372	98 -	2	373	7889	8260
UN23748	Rsa1.0_01115.1	758	183545	3.00E-59	120	121	99 +	334	454	5805	5925
UN23749	Rsa1.0_01688.1	1442	40965	0	423	424	99 +	692	1115	9664	10087

UN23750	Rsa1.0_12356.1	799	5246	0	359	366	98 -	316	681	225	590
UN23751	Rsa1.0_05412.1	798	13836	1.00E-153	284	287	98 -	268	554	3143	3429
UN23752	Rsa1.0_00195.1	841	251884	0	833	842	98 -	2	841	203892	204733
UN23753	Rsa1.0_10946.1	757	5668	0	726	737	98 +	22	755	4820	5556
UN23754	Rsa1.0_00991.1	1351	143101	0	656	686	95 +	654	1336	137872	138552
UN23755	Rsa1.0_00088.1	787	141341	1.00E-74	149	151	98 +	291	441	85952	86102
UN23756	Rsa1.0_00155.1	722	118465	0	677	699	96 -	25	722	89863	90558
UN23757	Rsa1.0_01484.1	865	44806	0	472	472	100 -	3	474	38825	39296
UN23758	Rsa1.0_00612.1	1383	72376	0	685	700	97 -	1	700	13897	14591
UN23759	Rsa1.0_02728.1	791	28400	0	437	456	95 +	339	791	17440	17887
UN23760	Rsa1.0_58370.1	695	392	1.00E-167	298	298	100 -	81	378	95	392
UN23761	Rsa1.0_02228.1	771	33688	0	386	388	99 +	2	389	28329	28716
UN23762	Rsa1.0_03249.1	710	146254	0	443	454	97 +	6	458	141671	142124
UN23763	Rsa1.0_09897.1	819	6100	0	809	819	98 -	1	819	4354	5172
UN23764	Rsa1.0_00758.1	1009	65477	0	371	373	99 +	1	373	50032	50404
UN23765	Rsa1.0_15481.1	631	2582	0	440	463	95 +	1	446	1058	1520
UN23766	Rsa1.0_05015.1	1160	15125	1.00E-141	293	302	97 -	741	1038	309	610
UN23767	Rsa1.0_00299.1	1895	97770	0	664	665	99 -	1231	1895	2108	2772
UN23768	Rsa1.0_20183.1	927	1330	0	544	547	99 +	359	905	1	547
UN23769	Rsa1.0_00019.1	1349	301669	1.00E-151	272	272	100 -	1078	1349	112774	113045
UN23770	Rsa1.0_00447.1	641	84051	0	449	451	99 +	3	451	12845	13295
UN23771	Rsa1.0_00223.1	1024	106231	1.00E-173	366	387	94 -	55	426	42188	42574
UN23772	Rsa1.0_01081.1	919	499226	1.00E-141	263	266	98 -	654	919	176099	176364
UN23773	Rsa1.0_09566.1	930	6285	0	906	932	97 +	3	930	818	1748
UN23774	Rsa1.0_39894.1	1604	563	1.00E-174	311	311	100 +	326	636	1	311
UN23775	Rsa1.0_02274.1	1334	33109	0	350	350	100 +	1	350	12426	12775
UN23776	Rsa1.0_02903.1	907	26901	0	625	643	97 +	252	890	1124	1766
UN23777	Rsa1.0_06364.1	789	11151	1.00E-103	196	198	98 +	1	198	10954	11151
UN23778	Rsa1.0_00724.1	338	66789	1.00E-177	329	334	98 +	1	334	17084	17417
UN23779	Rsa1.0_00324.1	701	218805	0	689	699	98 -	4	701	145202	145897
UN23780	Rsa1.0_02027.1	993	35869	0	387	405	95 -	528	932	1072	1476
UN23781	Rsa1.0_22144.1	1528	1147	0	788	793	99 -	4	796	157	949
UN23782	Rsa1.0_00572.1	1330	74969	0	1189	1205	98 +	125	1326	60010	61214
UN23783	Rsa1.0_02703.1	1250	28544	0	451	462	97 +	790	1250	9801	10261
UN23784	Rsa1.0_00925.1	689	59481	0	686	686	100 -	2	687	23688	24373
UN23785	Rsa1.0_03374.1	1856	23345	0	1004	1007	99 -	841	1847	10135	11141
UN23786	Rsa1.0_17492.1	545	1816	1.00E-60	131	135	97 +	190	324	897	1031
UN23787	Rsa1.0_00251.1	1434	303968	0	586	634	92 -	820	1432	83607	84232
UN23788	Rsa1.0_00510.1	1500	78718	0	509	510	99 +	990	1499	28307	28816

UN23789	Rsa1.0_02070.1		814	158516	1.00E-145	429	489	87 -		1	449	10246	10732
UN23790	#	#	#	#	#	#	#	#	#	#	#	#	#
UN23791	Rsa1.0_00720.1		1050	66931	4.00E-78	221	245	90 +		730	964	62325	62564
UN23792	Rsa1.0_03263.1		858	24268	1.00E-136	344	377	91 +		291	640	20569	20945
UN23793	Rsa1.0_01181.1		734	51496	5.00E-64	159	169	94 +		288	456	35637	35804
UN23794	Rsa1.0_08006.1		962	8091	0	587	634	92 -		2	635	1315	1923
UN23795	Rsa1.0_01771.1		719	172709	0	397	397	100 +		1	397	29136	29532
UN23796	Rsa1.0_02304.1		655	32793	3.00E-93	190	194	97 -		462	654	17387	17580
UN23797	Rsa1.0_00534.1		1029	77361	0	499	517	96 -		59	574	8708	9222
UN23798	Rsa1.0_04342.1		1111	17828	0	749	766	97 +		25	790	11193	11956
UN23799	Rsa1.0_02128.1		1217	34758	0	604	612	98 +		606	1217	25609	26220
UN23800	Rsa1.0_00007.1		1102	239325	4.00E-84	174	178	97 -		925	1102	65982	66157
UN23801	Rsa1.0_00306.1		964	146760	0	407	408	99 +		557	964	103082	103489
UN23802	Rsa1.0_01081.1		1251	499226	0	1179	1264	93 -		20	1251	163216	164468
UN23803	Rsa1.0_00645.1		1407	189716	0	400	402	99 +		2	403	33312	33713
UN23804	Rsa1.0_00030.1		1056	250988	0	491	491	100 -		566	1056	210840	211330
UN23805	Rsa1.0_01717.1		738	143162	1.00E-144	262	263	99 -		120	382	15717	15979
UN23806	Rsa1.0_00128.1		1009	228675	1.00E-167	302	303	99 +		707	1009	55079	55381
UN23807	Rsa1.0_16218.1		869	2240	1.00E-131	277	290	95 -		565	854	85	374
UN23808	Rsa1.0_02098.1		1008	35032	0	642	659	97 -		354	1008	687	1344
UN23809	Rsa1.0_00023.1		788	194764	0	586	586	100 +		47	632	94507	95092
UN23810	Rsa1.0_00683.1		1504	68638	1.00E-137	270	277	97 -		635	911	9458	9734
UN23811	Rsa1.0_02792.1		955	27829	0	952	952	100 -		3	954	14852	15803
UN23812	Rsa1.0_01149.1		1036	160459	0	1021	1034	98 -		3	1036	12994	14027
UN23813	Rsa1.0_00343.1		695	93570	0	444	486	91 +		218	689	2493	2969
UN23814	Rsa1.0_00394.1		964	148426	1.00E-169	311	313	99 -		650	962	122829	123140
UN23815	Rsa1.0_03281.1		690	143349	4.00E-86	171	174	98 -		148	321	6419	6592
UN23816	Rsa1.0_02428.1		1515	31542	1.00E-159	300	305	98 -		175	479	17805	18109
UN23817	Rsa1.0_00332.1		588	94575	0	386	397	97 +		190	585	74767	75162
UN23818	Rsa1.0_00928.1		755	59293	1.00E-157	294	297	98 -		408	703	29444	29740
UN23819	Rsa1.0_00609.1		761	72785	0	700	734	95 -		33	761	17907	18629
UN23820	Rsa1.0_01027.1		814	56402	0	395	415	95 -		380	793	45017	45430
UN23821	Rsa1.0_06488.1		858	141774	0	480	500	96 -		361	858	134014	134505
UN23822	Rsa1.0_01920.1		545	158533	1.00E-110	214	218	98 +		1	218	20628	20845
UN23823	Rsa1.0_00207.1		672	248736	0	566	598	94 +		6	595	194245	194836
UN23824	Rsa1.0_01740.1		1246	39986	0	449	459	97 +		395	853	13886	14344
UN23825	Rsa1.0_00490.1		929	186713	0	528	557	94 +		379	926	165155	165709
UN23826	Rsa1.0_01679.1		1306	146876	0	327	327	100 +		980	1306	134616	134942
UN23827	Rsa1.0_02319.1		795	32580	1.00E-98	225	238	94 +		72	309	15721	15951

UN23828	Rsa1.0.00127.1	1023	127446	1.00E-178	360	373	96 +	34	403	113036	113405
UN23829	Rsa1.0.00626.1	662	71582	1.00E-134	265	273	97 -	1	267	28841	29113
UN23830	Rsa1.0.01022.1	823	56606	1.00E-174	413	447	92 -	224	659	29073	29516
UN23831	Rsa1.0.01745.1	526	39905	0	520	524	99 -	3	526	39217	39737
UN23832	Rsa1.0.01281.1	811	49313	1.00E-150	364	392	92 +	261	633	30590	30981
UN23833	Rsa1.0.00016.1	797	831256	0	542	546	99 +	3	548	571068	571613
UN23834	Rsa1.0.00336.1	519	445051	1.00E-140	303	319	94 +	19	333	490	805
UN23835	Rsa1.0.00157.1	730	245832	1.00E-140	306	320	95 +	5	324	64106	64422
UN23836	Rsa1.0.00817.1	854	62961	0	817	854	95 -	3	853	26858	27702
UN23837	Rsa1.0.01595.1	655	175383	0	522	526	99 +	131	655	24270	24794
UN23838	Rsa1.0.01937.1	996	37147	0	538	556	96 +	445	996	20915	21465
UN23839	Rsa1.0.00476.1	636	280966	1.00E-160	299	303	98 -	280	582	246593	246895
UN23840	Rsa1.0.03870.1	762	20362	0	742	764	97 +	3	762	10652	11410
UN23841	Rsa1.0.00060.1	1103	502678	0	464	478	97 +	207	684	396688	397165
UN23842	Rsa1.0.02477.1	1448	31058	1.00E-124	229	230	99 -	1035	1264	1613	1842
UN23843	Rsa1.0.01563.1	1118	170823	0	507	516	98 +	296	811	38791	39306
UN23844	Rsa1.0.01238.1	803	50120	0	383	383	100 -	124	506	48359	48741
UN23845	Rsa1.0.01106.1	1039	53916	0	385	388	99 +	43	430	49258	49645
UN23846	Rsa1.0.00016.1	1337	831256	0	644	678	94 +	2	674	48223	48892
UN23847	Rsa1.0.03818.1	1201	20668	1.00E-105	275	301	91 +	3	299	9562	9853
UN23848	Rsa1.0.00217.1	697	107079	0	466	482	96 +	215	696	82516	82991
UN23849	Rsa1.0.00450.1	1153	139397	0	573	592	96 +	1	592	40463	41051
UN23850	#	#	#	#	#	#	#	#	#	#	#
UN23851	Rsa1.0.00076.1	751	146021	1.00E-128	242	245	98 +	138	382	75339	75583
UN23852	Rsa1.0.02051.1	1428	35564	0	454	470	96 +	961	1428	1329	1795
UN23853	Rsa1.0.04772.1	839	16040	0	834	839	99 -	1	839	3876	4713
UN23854	Rsa1.0.00812.1	521	63233	1.00E-112	220	225	97 +	58	282	17228	17452
UN23855	Rsa1.0.13944.1	896	4039	5.00E-46	389	477	81 +	165	638	427	896
UN23856	Rsa1.0.23989.1	599	1013	1.00E-109	460	532	86 +	3	504	80	609
UN23857	Rsa1.0.01732.1	1400	40194	0	765	778	98 +	626	1397	18160	18937
UN23858	Rsa1.0.00675.1	721	145590	7.00E-85	229	252	90 -	31	282	144741	144992
UN23859	Rsa1.0.09446.1	1311	6362	1.00E-115	224	228	98 +	620	847	2014	2241
UN23860	Rsa1.0.00384.1	793	89278	0	715	733	97 -	33	765	2840	3572
UN23861	Rsa1.0.00518.1	445	78360	2.00E-93	195	201	97 -	241	439	42830	43030
UN23862	Rsa1.0.08356.1	666	7485	1.00E-144	317	336	94 +	283	618	6679	7005
UN23863	Rsa1.0.00260.1	1108	102021	0	420	436	96 +	292	727	63807	64242
UN23864	Rsa1.0.01647.1	1080	41645	1.00E-110	218	223	97 +	101	323	39198	39420
UN23865	Rsa1.0.00706.1	1161	291570	0	647	674	95 -	1	674	47603	48273
UN23866	Rsa1.0.00207.1	654	248736	0	573	593	96 -	59	649	194245	194836

UN23867	Rsa1.0.02429.1	883	31527	2.00E-64	214	238	89 -	657	883	29086	29320
UN23868	Rsa1.0.06795.1	1069	10346	0	372	383	97 +	243	625	5026	5408
UN23869	Rsa1.0.00773.1	1151	64839	1.00E-96	213	224	95 -	387	610	58210	58433
UN23870	Rsa1.0.00085.1	482	142226	1.00E-72	139	139	100 -	139	277	27114	27252
UN23871	Rsa1.0.00539.1	696	76926	1.00E-129	284	297	95 -	1	295	28381	28674
UN23872	Rsa1.0.08196.1	1732	7753	0	422	427	98 -	1309	1732	3827	4253
UN23873	Rsa1.0.00634.1	1361	71222	1.00E-148	298	306	97 +	1056	1361	45773	46075
UN23874	Rsa1.0.01388.1	981	46741	1.00E-111	275	298	92 +	15	309	16613	16900
UN23875	Rsa1.0.05487.1	569	13576	0	401	408	98 +	163	569	7300	7706
UN23876	Rsa1.0.08688.1	899	7037	0	888	897	98 +	3	899	5781	6674
UN23877	Rsa1.0.04039.1	644	19467	0	601	636	94 +	3	635	8276	8907
UN23878	Rsa1.0.02017.1	581	35999	1.00E-134	258	262	98 +	294	555	34477	34737
UN23879	Rsa1.0.07385.1	879	9485	1.00E-130	251	256	98 -	13	268	5009	5264
UN23880	Rsa1.0.00423.1	970	86138	1.00E-132	264	272	97 -	689	960	53544	53815
UN23881	Rsa1.0.00171.1	602	115622	1.00E-141	294	307	95 +	3	309	50112	50418
UN23882	Rsa1.0.00480.1	890	81325	0	406	430	94 +	3	431	30819	31248
UN23883	Rsa1.0.00038.1	1112	314568	0	474	496	95 +	11	506	237808	238293
UN23884	Rsa1.0.00552.1	558	206757	1.00E-113	255	268	95 -	293	558	70105	70372
UN23885	Rsa1.0.00125.1	572	253043	2.00E-84	183	191	95 +	297	487	168487	168677
UN23886	Rsa1.0.00339.1	888	222974	1.00E-141	485	561	86 +	324	881	28077	28637
UN23887	Rsa1.0.04279.1	1152	18113	0	608	628	96 +	1	628	4746	5372
UN23888	Rsa1.0.00116.1	335	365886	1.00E-143	311	329	94 +	1	329	154980	155308
UN23889	Rsa1.0.00080.1	995	190437	0	481	495	97 -	307	800	68420	68914
UN23890	Rsa1.0.01682.1	1188	41090	0	549	551	99 +	356	906	20336	20886
UN23891	Rsa1.0.03953.1	1059	19889	1.00E-115	227	232	97 -	831	1058	238	469
UN23892	Rsa1.0.00055.1	1083	520193	0	388	401	96 -	681	1081	207381	207776
UN23893	Rsa1.0.05173.1	1021	14606	0	811	845	95 -	145	989	9368	10212
UN23894	Rsa1.0.00108.1	766	478491	0	746	767	97 +	1	765	162682	163444
UN23895	Rsa1.0.03469.1	209	22681	3.00E-75	195	210	92 +	2	205	11583	11790
UN23896	Rsa1.0.04371.1	824	17700	1.00E-150	358	384	93 +	447	823	12630	13005
UN23897	Rsa1.0.00546.1	1026	76523	1.00E-124	230	231	99 +	414	644	73168	73398
UN23898	Rsa1.0.00009.1	820	232558	1.00E-171	437	473	92 +	1	463	117423	117890
UN23899	Rsa1.0.00033.1	589	515811	1.00E-131	305	323	94 -	266	586	13472	13790
UN23900	Rsa1.0.01029.1	791	256254	1.00E-150	320	334	95 -	2	332	245893	246222
UN23901	Rsa1.0.03455.1	457	22804	1.00E-137	311	332	93 +	1	323	11806	12137
UN23902	Rsa1.0.08253.1	809	7653	0	626	636	98 -	174	809	394	1024
UN23903	Rsa1.0.00417.1	973	395068	1.00E-114	269	286	94 -	1	285	250554	250838
UN23904	Rsa1.0.01243.1	1170	50061	0	528	537	98 +	135	671	49259	49795
UN23905	Rsa1.0.00628.1	1663	214360	0	1624	1662	97 -	2	1663	7726	9387

UN23906	Rsa1.0_01236.1	889	50156	1.00E-95	201	208	96 +	2	209	42342	42546
UN23907	Rsa1.0_00419.1	1158	86562	0	1116	1170	95 +	2	1158	38499	39665
UN23908	Rsa1.0_00873.1	828	61459	1.00E-113	239	244	97 -	200	443	60323	60562
UN23909	Rsa1.0_00910.1	1858	59975	1.00E-162	290	290	100 -	1567	1856	30987	31276
UN23910	Rsa1.0_07540.1	682	9170	0	650	700	92 -	3	682	5871	6565
UN23911	Rsa1.0_21831.1	842	1169	1.00E-117	232	237	97 +	171	407	791	1025
UN23912	Rsa1.0_00269.1	1398	341668	0	603	641	94 -	760	1379	292814	293452
UN23913	Rsa1.0_00094.1	789	139042	3.00E-96	221	235	94 +	563	789	119349	119581
UN23914	Rsa1.0_00128.1	1361	228675	0	374	380	98 +	982	1361	170963	171342
UN23915	Rsa1.0_01031.1	941	56236	1.00E-157	343	360	95 -	588	940	25501	25857
UN23916	Rsa1.0_02169.1	715	34367	1.00E-159	404	438	92 +	6	435	28951	29379
UN23917	Rsa1.0_00838.1	1352	153820	0	1313	1357	96 -	1	1350	58562	59904
UN23918	Rsa1.0_00625.1	1020	71672	0	566	595	95 +	12	601	14884	15475
UN23919	Rsa1.0_00153.1	834	192931	0	833	834	99 -	1	834	132658	133490
UN23920	Rsa1.0_00201.1	1188	232851	0	483	490	98 +	699	1188	129193	129681
UN23921	Rsa1.0_00120.1	1327	277288	1.00E-166	495	559	88 -	651	1203	247100	247641
UN23922	Rsa1.0_00719.1	585	66952	0	553	580	95 -	2	581	29896	30462
UN23923	Rsa1.0_00218.1	518	201480	0	500	527	94 +	2	517	115966	116490
UN23924	Rsa1.0_00725.1	792	66757	0	553	584	94 +	90	673	43135	43718
UN23925	Rsa1.0_00022.1	691	200461	0	610	634	96 -	59	691	67773	68396
UN23926	Rsa1.0_00706.1	671	291570	1.00E-132	249	252	98 -	140	391	50148	50399
UN23927	Rsa1.0_03681.1	1294	21405	1.00E-157	282	282	100 -	1002	1283	16766	17047
UN23928	Rsa1.0_08538.1	1124	7220	0	637	671	94 +	472	1124	1430	2097
UN23929	Rsa1.0_02248.1	1080	33414	0	1075	1078	99 -	3	1080	31711	32788
UN23930	Rsa1.0_03394.1	815	23247	1.00E-142	283	292	96 +	3	294	4886	5177
UN23931	Rsa1.0_02214.1	792	161150	0	579	588	98 -	212	792	160475	161062
UN23932	Rsa1.0_00223.1	1511	106231	0	737	750	98 -	148	897	100526	101275
UN23933	Rsa1.0_00162.1	743	239935	0	740	742	99 -	2	743	14939	15680
UN23934	Rsa1.0_00482.1	875	81162	3.00E-53	113	115	98 -	575	689	5280	5394
UN23935	Rsa1.0_00230.1	673	105389	0	392	397	98 -	277	673	104425	104821
UN23936	Rsa1.0_07377.1	786	9494	1.00E-149	280	284	98 -	2	285	6338	6621
UN23937	Rsa1.0_03068.1	1712	25620	0	1664	1703	97 -	2	1702	10854	12555
UN23938	Rsa1.0_03543.1	810	22185	0	492	510	96 -	115	623	3871	4379
UN23939	Rsa1.0_00263.1	1209	224968	3.00E-45	129	140	92 -	1025	1164	126811	126942
UN23940	Rsa1.0_00728.1	502	66704	0	448	463	96 -	44	502	10734	11196
UN23941	Rsa1.0_00112.1	1360	132199	1.00E-129	258	266	96 +	668	933	71862	72127
UN23942	Rsa1.0_00144.1	1016	120708	0	515	531	96 -	485	1015	12331	12860
UN23943	Rsa1.0_00363.1	1539	90968	1.00E-120	243	251	96 +	612	856	30983	31233
UN23944	Rsa1.0_02651.1	1105	29046	0	419	439	95 +	2	437	5903	6341

UN23945	Rsa1.0.02994.1	512	26168	0	507	510	99 -	1	510	1402	1911
UN23946	Rsa1.0.00688.1	684	68396	0	395	413	95 -	272	684	15261	15664
UN23947	Rsa1.0.03604.1	1353	21832	0	364	368	98 +	722	1089	5525	5892
UN23948	Rsa1.0.04191.1	735	18578	0	434	451	96 -	3	453	7426	7864
UN23949	Rsa1.0.07246.1	1070	9665	1.00E-150	283	286	98 +	785	1069	122	407
UN23950	Rsa1.0.00307.1	562	199003	1.00E-122	289	310	93 +	1	308	157781	158090
UN23951	Rsa1.0.16164.1	716	2261	0	384	384	100 +	3	386	1877	2260
UN23952	Rsa1.0.06160.1	904	11596	0	860	902	95 +	3	904	3986	4874
UN23953	Rsa1.0.01921.1	1686	168088	0	622	632	98 -	1056	1686	152208	152838
UN23954	Rsa1.0.01724.1	1014	40292	1.00E-148	322	336	95 -	684	1014	9994	10323
UN23955	Rsa1.0.01112.1	1023	310601	0	545	568	95 +	458	1023	31685	32249
UN23956	Rsa1.0.00382.1	783	251946	0	511	545	93 +	246	781	111146	111686
UN23957	Rsa1.0.05354.1	790	14073	0	624	643	97 -	150	790	4709	5350
UN23958	Rsa1.0.05902.1	786	12284	3.00E-19	91	104	87 +	173	273	11678	11781
UN23959	Rsa1.0.34887.1	809	648	0	612	615	99 +	70	684	34	648
UN23960	Rsa1.0.02499.1	859	30774	1.00E-121	248	257	96 +	345	601	22878	23134
UN23961	Rsa1.0.02241.1	808	33520	0	416	441	94 +	6	435	355	794
UN23962	Rsa1.0.00915.1	931	194446	0	372	377	98 +	554	930	5858	6234
UN23963	Rsa1.0.00082.1	706	237584	0	680	713	95 +	7	706	105660	106370
UN23964	Rsa1.0.00048.1	1128	167185	1.00E-115	282	306	92 -	833	1128	4854	5158
UN23965	Rsa1.0.01872.1	1663	37908	0	1306	1340	97 +	67	1406	20454	21793
UN23966	Rsa1.0.01553.1	753	43379	1.00E-117	298	322	92 +	438	753	26451	26769
UN23967	Rsa1.0.00019.1	1603	301669	0	581	622	93 -	39	643	22469	23088
UN23968	Rsa1.0.01632.1	732	181224	1.00E-113	229	236	97 -	214	449	38492	38727
UN23969	Rsa1.0.04288.1	783	18077	7.00E-85	163	164	99 +	367	530	3382	3545
UN23970	Rsa1.0.02423.1	880	31576	0	877	880	99 -	1	880	8168	9047
UN23971	Rsa1.0.03532.1	1311	22272	0	416	417	99 -	895	1311	15163	15579
UN23972	Rsa1.0.04591.1	1221	16717	6.00E-34	103	111	92 -	1106	1216	3028	3137
UN23973	Rsa1.0.00121.1	726	278029	0	435	455	95 +	1	452	4005	4459
UN23974	Rsa1.0.02093.1	675	35125	1.00E-171	308	309	99 -	1	309	21784	22092
UN23975	Rsa1.0.01707.1	869	40686	1.00E-125	286	302	94 +	56	356	29001	29298
UN23976	Rsa1.0.02514.1	759	30642	0	383	392	97 +	1	392	16186	16577
UN23977	Rsa1.0.01554.1	973	43379	0	963	972	99 -	2	973	11093	12064
UN23978	Rsa1.0.04248.1	757	18287	1.00E-139	280	288	97 +	11	298	11679	11961
UN23979	Rsa1.0.00343.1	1211	93570	0	851	854	99 +	358	1211	48698	49551
UN23980	Rsa1.0.00546.1	990	76523	1.00E-153	284	287	98 +	704	990	51920	52206
UN23981	Rsa1.0.00577.1	738	174827	4.00E-77	156	159	98 +	215	373	170863	171021
UN23982	Rsa1.0.04890.1	1334	15591	0	608	641	94 -	5	639	10910	11544
UN23983	Rsa1.0.04630.1	652	16595	1.00E-134	304	315	96 +	1	313	14586	14895

UN23984	Rsa1.0_00583.1	547	74309	1.00E-129	309	334	92 +	211	544	71952	72285
UN23985	Rsa1.0_07287.1	945	9615	0	623	629	99 -	3	631	8418	9046
UN23986	Rsa1.0_00676.1	740	69166	0	623	654	95 -	9	659	42070	42723
UN23987	Rsa1.0_00577.1	1362	174827	0	779	795	97 -	566	1360	29466	30259
UN23988	Rsa1.0_06056.1	1298	137271	0	740	786	94 -	494	1266	128419	129201
UN23989	Rsa1.0_01476.1	1344	172928	0	358	362	98 -	640	1001	140327	140688
UN23990	Rsa1.0_00456.1	1496	82826	0	1356	1357	99 -	140	1496	78580	79936
UN23991	Rsa1.0_06629.1	903	10633	0	861	862	99 +	42	903	1251	2112
UN23992	Rsa1.0_00361.1	673	91181	1.00E-92	179	181	98 -	165	345	47136	47316
UN23993	Rsa1.0_16460.1	1290	2148	0	1048	1064	98 +	177	1238	1	1063
UN23994	Rsa1.0_00320.1	1009	95784	1.00E-170	340	352	96 -	658	1009	3664	4015
UN23995	Rsa1.0_15298.1	781	2704	1.00E-122	365	408	89 +	37	441	1489	1878
UN23996	Rsa1.0_04470.1	1121	17204	1.00E-113	271	289	93 +	835	1121	4465	4749
UN23997	Rsa1.0_01077.1	1132	54772	0	570	606	94 -	535	1130	10736	11340
UN23998	Rsa1.0_19373.1	1047	1441	1.00E-136	254	255	99 -	794	1047	470	724
UN23999	Rsa1.0_00019.1	1200	301669	0	1159	1199	96 -	2	1199	229796	230992
UN24000	Rsa1.0_01815.1	1225	38897	0	1139	1157	98 -	71	1225	3023	4173
UN24001	Rsa1.0_00391.1	865	183853	0	865	866	99 +	1	865	59899	60764
UN24002	Rsa1.0_00016.1	1104	831256	0	669	671	99 +	433	1103	398861	399531
UN24003	Rsa1.0_00499.1	1160	79633	0	1133	1161	97 +	1	1159	6938	8096
UN24004	Rsa1.0_00800.1	718	63868	0	421	423	99 -	1	423	57262	57684
UN24005	Rsa1.0_00067.1	801	415055	1.00E-131	237	237	100 -	434	670	146203	146439
UN24006	Rsa1.0_01559.1	604	43262	0	600	603	99 -	2	604	17081	17682
UN24007	Rsa1.0_00160.1	745	346678	0	422	425	99 +	1	425	145866	146290
UN24008	Rsa1.0_00236.1	694	104771	0	523	582	89 +	4	582	10507	11082
UN24009	Rsa1.0_50819.1	721	447	0	440	447	98 +	19	465	1	447
UN24010	Rsa1.0_00197.1	823	109714	0	521	540	96 -	150	688	64829	65368
UN24011	Rsa1.0_02266.1	931	33195	1.00E-179	324	326	99 +	4	329	21937	22262
UN24012	Rsa1.0_00201.1	1071	232851	0	889	945	94 -	118	1043	40433	41374
UN24013	Rsa1.0_03512.1	429	22362	1.00E-144	311	327	95 +	1	327	6315	6640
UN24014	Rsa1.0_16069.1	809	2298	0	787	799	98 +	3	793	707	1504
UN24015	Rsa1.0_01199.1	692	163576	3.00E-93	225	240	93 +	9	241	124480	124717
UN24016	Rsa1.0_00087.1	708	761073	1.00E-103	208	214	97 -	4	217	14036	14244
UN24017	Rsa1.0_00208.1	1030	108565	1.00E-123	236	240	98 -	705	944	7689	7928
UN24018	Rsa1.0_00154.1	872	189461	1.00E-107	254	271	93 -	596	857	157506	157775
UN24019	Rsa1.0_04379.1	1164	17646	0	336	336	100 -	829	1164	16762	17097
UN24020	Rsa1.0_00480.1	527	81325	0	440	443	99 -	1	443	7962	8404
UN24021	Rsa1.0_02015.1	667	36008	0	652	665	98 -	2	666	31478	32142
UN24022	Rsa1.0_00135.1	1251	178077	0	706	706	100 -	546	1251	138361	139066

UN24023	Rsa1.0.01058.1	1170	55430	1.00E-144	287	294	97 +	878	1170	29543	29834
UN24024	Rsa1.0.01422.1	1062	46172	0	495	500	99 -	563	1062	10164	10663
UN24025	Rsa1.0.00070.1	867	150321	0	413	423	97 +	2	424	54394	54815
UN24026	Rsa1.0.00382.1	1272	251946	0	1190	1262	94 -	3	1263	108348	109598
UN24027	Rsa1.0.00301.1	753	365315	1.00E-152	276	277	99 +	2	278	161031	161307
UN24028	Rsa1.0.00206.1	1200	109040	0	952	956	99 -	3	957	28660	29615
UN24029	Rsa1.0.00205.1	835	193401	0	800	840	95 -	1	835	183981	184820
UN24030	Rsa1.0.00525.1	825	78030	0	378	384	98 +	5	388	29552	29935
UN24031	Rsa1.0.00394.1	866	148426	1.00E-106	245	259	94 +	1	258	122884	123140
UN24032	Rsa1.0.03965.1	804	19828	0	368	370	99 +	437	804	13259	13628
UN24033	Rsa1.0.00437.1	805	84879	1.00E-100	237	249	95 +	561	805	31311	31558
UN24034	Rsa1.0.03692.1	870	21338	1.00E-139	306	320	95 +	3	318	679	994
UN24035	Rsa1.0.02316.1	607	32608	0	556	563	98 -	45	607	25260	25819
UN24036	Rsa1.0.34308.1	775	660	1.00E-166	300	301	99 -	151	451	360	660
UN24037	Rsa1.0.00211.1	671	228189	1.00E-109	230	239	96 -	107	345	149262	149497
UN24038	Rsa1.0.00427.1	839	189678	0	614	614	100 -	226	839	33180	33793
UN24039	Rsa1.0.00207.1	1029	248736	1.00E-125	296	312	94 +	705	1011	236736	237047
UN24040	Rsa1.0.00417.1	1008	395068	1.00E-131	247	250	98 -	1	250	8402	8651
UN24041	Rsa1.0.04997.1	640	15182	1.00E-89	177	180	98 -	256	435	7089	7268
UN24042	Rsa1.0.01870.1	789	37919	1.00E-177	393	418	94 -	380	787	13906	14321
UN24043	Rsa1.0.02248.1	1273	33414	0	405	405	100 +	279	683	22961	23365
UN24044	Rsa1.0.00323.1	1150	159650	0	497	499	99 -	652	1150	99380	99878
UN24045	Rsa1.0.00025.1	750	277312	0	458	462	99 +	289	750	97736	98197
UN24046	#	#	#	#	#	#	#	#	#	#	#
UN24047	Rsa1.0.01586.1	1173	42804	0	434	455	95 +	2	454	28048	28496
UN24048	Rsa1.0.03387.1	540	23278	0	525	539	97 -	1	539	8042	8580
UN24049	Rsa1.0.00473.1	798	212204	0	747	776	96 -	26	798	199831	200598
UN24050	Rsa1.0.00553.1	730	75983	2.00E-17	164	203	80 -	312	514	15170	15372
UN24051	Rsa1.0.05305.1	1087	14207	1.00E-164	303	306	99 +	1	306	3277	3582
UN24052	Rsa1.0.00002.1	513	601661	0	438	438	100 +	5	442	453712	454149
UN24053	Rsa1.0.02235.1	739	33615	0	470	498	94 -	245	735	17591	18082
UN24054	Rsa1.0.00114.1	974	131330	0	922	963	95 -	22	974	28480	29441
UN24055	Rsa1.0.08728.1	729	6995	0	355	358	99 +	1	358	1878	2235
UN24056	Rsa1.0.09314.1	1006	6461	0	516	520	99 -	485	1004	5595	6112
UN24057	Rsa1.0.00116.1	684	365886	0	568	586	96 -	2	587	154724	155307
UN24058	Rsa1.0.00120.1	543	277288	1.00E-174	348	361	96 -	3	363	266328	266688
UN24059	Rsa1.0.01238.1	819	50120	1.00E-136	246	246	100 -	221	466	48496	48741
UN24060	Rsa1.0.01956.1	715	36847	0	388	400	97 -	259	658	22766	23165
UN24061	Rsa1.0.00039.1	1583	296927	1.00E-149	271	272	99 -	1312	1583	210817	211088

UN24062	Rsa1.0.01489.1	764	44764	1.00E-134	245	246	99 -	143	388	38536	38781
UN24063	Rsa1.0.04692.1	753	16357	0	746	748	99 +	6	753	11760	12506
UN24064	Rsa1.0.00061.1	846	218685	0	513	532	96 -	323	845	2085	2614
UN24065	Rsa1.0.02399.1	830	31763	0	405	415	97 +	360	773	12071	12484
UN24066	Rsa1.0.00060.1	597	502678	1.00E-136	255	258	98 -	340	597	370114	370371
UN24067	Rsa1.0.05081.1	1137	136103	0	425	434	97 -	1	434	121527	121960
UN24068	Rsa1.0.00308.1	919	96915	1.00E-130	335	364	92 -	3	364	71892	72253
UN24069	Rsa1.0.01313.1	1346	48387	1.00E-111	217	221	98 -	113	333	19753	19973
UN24070	Rsa1.0.03475.1	777	22653	3.00E-59	126	129	97 -	1	129	22098	22226
UN24071	Rsa1.0.06836.1	1306	10289	0	844	877	96 -	429	1305	349	1221
UN24072	Rsa1.0.00006.1	1141	396176	0	463	480	96 -	117	595	17281	17760
UN24073	Rsa1.0.01091.1	939	54383	0	461	472	97 -	436	905	9418	9883
UN24074	Rsa1.0.34308.1	1263	660	1.00E-151	294	301	97 -	204	501	360	660
UN24075	Rsa1.0.00058.1	688	159921	0	682	686	99 +	3	688	86926	87609
UN24076	Rsa1.0.16833.1	779	2019	1.00E-107	197	197	100 +	141	337	1453	1649
UN24077	Rsa1.0.02983.1	857	26268	1.00E-129	262	269	97 -	581	847	1817	2084
UN24078	Rsa1.0.00085.1	889	142226	0	408	411	99 +	479	889	49282	49692
UN24079	Rsa1.0.00040.1	1334	324196	0	399	422	94 +	907	1320	306929	307349
UN24080	Rsa1.0.01036.1	1297	55978	0	1293	1296	99 +	2	1297	19127	20421
UN24081	Rsa1.0.04975.1	824	15264	1.00E-150	288	294	97 +	3	296	13649	13942
UN24082	#	#	#	#	#	#	#	#	#	#	#
UN24083	Rsa1.0.04281.1	599	18107	0	447	459	97 +	142	599	14748	15202
UN24084	Rsa1.0.05076.1	1517	14916	0	1366	1367	99 -	151	1517	8882	10248
UN24085	Rsa1.0.00457.1	1537	337301	0	1459	1542	94 -	3	1537	317277	318801
UN24086	Rsa1.0.01424.1	753	46139	1.00E-120	273	291	93 -	159	449	42149	42439
UN24087	Rsa1.0.05804.1	526	12586	0	493	524	94 -	2	525	9638	10161
UN24088	Rsa1.0.00123.1	618	325650	0	607	621	97 -	1	618	184093	184713
UN24089	Rsa1.0.28680.1	1046	806	0	361	369	97 -	678	1046	128	493
UN24090	Rsa1.0.00065.1	1465	454616	0	642	657	97 -	803	1457	173790	174442
UN24091	Rsa1.0.00116.1	993	365886	1.00E-117	235	242	97 +	355	596	239724	239965
UN24092	Rsa1.0.02834.1	910	27493	0	357	357	100 -	552	908	19583	19939
UN24093	Rsa1.0.00959.1	1513	58202	0	1002	1027	97 +	3	1022	56743	57763
UN24094	Rsa1.0.03475.1	1760	22653	0	723	733	98 -	126	855	18249	18981
UN24095	Rsa1.0.00621.1	829	71840	7.00E-82	180	187	96 -	609	794	42405	42591
UN24096	Rsa1.0.05002.1	787	15173	2.00E-91	183	187	97 -	387	573	8410	8596
UN24097	Rsa1.0.08959.1	1315	6751	0	654	657	99 +	8	664	6095	6751
UN24098	Rsa1.0.18008.1	1216	1691	1.00E-138	309	324	95 -	894	1216	244	563
UN24099	Rsa1.0.00476.1	2060	280966	0	779	789	98 +	1275	2060	232122	232910
UN24100	Rsa1.0.00073.1	1183	240924	0	584	625	93 -	558	1182	81093	81695

UN24101	Rsa1.0.00457.1	524	337301	1.00E-126	264	272	97 +	1	268	314299	314570
UN24102	Rsa1.0.00851.1	669	62181	1.00E-161	305	308	99 -	362	669	30609	30914
UN24103	Rsa1.0.02814.1	232	27656	2.00E-64	149	157	94 +	76	232	25969	26125
UN24104	Rsa1.0.02500.1	608	30768	1.00E-116	222	225	98 +	126	350	2416	2640
UN24105	Rsa1.0.03147.1	787	25001	5.00E-95	183	185	98 -	403	587	15103	15287
UN24106	Rsa1.0.09314.1	1444	6461	0	775	809	95 +	274	1071	3997	4802
UN24107	Rsa1.0.01964.1	914	36702	0	427	430	99 -	486	914	25882	26311
UN24108	Rsa1.0.00378.1	825	89892	1.00E-132	239	239	100 -	419	657	51054	51292
UN24109	Rsa1.0.00008.1	766	358124	1.00E-134	276	287	96 +	3	289	320172	320454
UN24110	Rsa1.0.36974.1	831	610	0	575	589	97 -	158	734	22	610
UN24111	Rsa1.0.01881.1	823	37721	0	518	537	96 +	11	547	13978	14513
UN24112	Rsa1.0.01193.1	691	51147	6.00E-85	166	168	98 +	213	380	13320	13487
UN24113	Rsa1.0.00114.1	964	131330	4.00E-84	165	167	98 -	143	309	129182	129348
UN24114	Rsa1.0.00112.1	380	132199	0	372	374	99 +	7	380	33536	33909
UN24115	Rsa1.0.02032.1	1232	35830	0	1066	1089	97 +	144	1232	10723	11810
UN24116	#	#	#	#	#	#	#	#	#	#	#
UN24117	Rsa1.0.03805.1	859	20746	0	834	861	96 +	5	859	13656	14503
UN24118	Rsa1.0.00175.1	818	166121	0	617	627	98 +	192	818	35218	35838
UN24119	Rsa1.0.03527.1	1390	22278	1.00E-169	395	421	93 +	981	1390	18596	19013
UN24120	Rsa1.0.00376.1	1550	90101	0	407	411	99 +	1135	1545	31654	32063
UN24121	Rsa1.0.08459.1	1131	7315	0	989	1012	97 -	121	1131	6307	7315
UN24122	Rsa1.0.02295.1	1289	149884	0	537	578	92 -	68	642	19090	19652
UN24123	Rsa1.0.02333.1	865	32431	1.00E-179	332	335	99 -	1	335	21102	21435
UN24124	Rsa1.0.00123.1	1432	325650	3.00E-85	212	229	92 -	833	1061	234211	234439
UN24125	Rsa1.0.21301.1	935	1217	1.00E-154	300	308	97 +	1	308	70	377
UN24126	Rsa1.0.00107.1	997	431659	0	704	704	100 -	1	704	146548	147251
UN24127	Rsa1.0.03741.1	657	143933	0	649	658	98 +	1	657	8489	9145
UN24128	Rsa1.0.00141.1	1081	121494	0	542	544	99 +	1	544	67415	67958
UN24129	Rsa1.0.23849.1	815	1022	0	799	850	94 +	3	815	8	855
UN24130	Rsa1.0.00782.1	761	64468	1.00E-166	375	396	94 -	369	761	48577	48971
UN24131	Rsa1.0.00476.1	869	280966	0	489	502	97 -	368	867	220783	221278
UN24132	Rsa1.0.00595.1	918	341648	0	881	920	95 +	3	915	192506	193425
UN24133	Rsa1.0.10900.1	690	5684	0	648	672	96 -	17	687	1247	1918
UN24134	Rsa1.0.01565.1	1332	155447	0	479	481	99 +	196	676	1771	2251
UN24135	Rsa1.0.14639.1	971	3198	1.00E-102	223	234	95 -	485	718	1011	1244
UN24136	Rsa1.0.13972.1	638	3970	0	636	636	100 -	1	636	1056	1691
UN24137	Rsa1.0.01730.1	763	40223	1.00E-126	321	348	92 -	417	762	36499	36828
UN24138	Rsa1.0.07767.1	762	8609	1.00E-134	256	259	98 -	463	720	6842	7100
UN24139	Rsa1.0.00308.1	1037	96915	0	562	571	98 -	3	569	46036	46606

UN24140	Rsa1.0_16310.1	506	2205	1.00E-116	216	217	99 +	3	219	904	1120
UN24141	Rsa1.0_00153.1	675	192931	1.00E-108	235	247	95 +	39	285	601	847
UN24142	Rsa1.0_01136.1	1188	52724	0	664	712	93 +	479	1187	35425	36134
UN24143	Rsa1.0_01792.1	890	39227	0	466	501	93 -	397	890	17495	17978
UN24144	Rsa1.0_00169.1	2294	274298	0	932	939	99 -	1355	2293	224097	225035
UN24145	Rsa1.0_04267.1	1609	18193	0	650	650	100 -	5	654	11855	12504
UN24146	Rsa1.0_00008.1	937	358124	0	478	479	99 -	3	481	289698	290176
UN24147	Rsa1.0_02070.1	926	158516	1.00E-71	169	178	94 +	674	851	141340	141516
UN24148	Rsa1.0_00007.1	772	239325	1.00E-149	274	276	99 -	3	278	121788	122063
UN24149	Rsa1.0_00128.1	229	228675	1.00E-101	221	230	96 -	3	229	70388	70612
UN24150	Rsa1.0_00564.1	1137	75428	0	1128	1137	99 -	2	1137	60617	61751
UN24151	Rsa1.0_05161.1	793	14631	1.00E-161	338	354	95 +	3	356	8345	8695
UN24152	Rsa1.0_07577.1	1272	9092	0	504	528	95 +	746	1272	7519	8043
UN24153	Rsa1.0_00031.1	932	179862	0	689	691	99 -	242	932	57219	57909
UN24154	Rsa1.0_00190.1	1238	318240	1.00E-121	236	241	97 -	982	1222	69460	69700
UN24155	Rsa1.0_02582.1	914	29889	0	444	457	97 -	1	457	23047	23497
UN24156	Rsa1.0_00805.1	1523	63724	0	785	826	95 -	24	843	57517	58342
UN24157	Rsa1.0_00382.1	990	251946	0	938	969	96 +	5	973	108610	109578
UN24158	Rsa1.0_00027.1	994	283362	1.00E-150	406	446	91 -	557	994	160657	161096
UN24159	Rsa1.0_14624.1	923	3217	1.00E-133	291	307	94 +	615	921	1334	1632
UN24160	Rsa1.0_02540.1	1064	30344	0	774	803	96 +	1	785	17822	18622
UN24161	Rsa1.0_00959.1	885	58202	0	629	674	93 -	221	885	17000	17669
UN24162	Rsa1.0_05140.1	885	14710	1.00E-126	297	317	93 -	1	306	5327	5641
UN24163	Rsa1.0_02006.1	878	36135	1.00E-106	234	247	94 -	1	236	4294	4540
UN24164	Rsa1.0_02199.1	1310	33982	1.00E-113	243	253	96 -	1	253	13929	14176
UN24165	Rsa1.0_00251.1	797	303968	1.00E-98	211	219	96 -	580	797	148069	148287
UN24166	Rsa1.0_00299.1	892	97770	2.00E-98	251	273	91 -	496	768	26265	26534
UN24167	Rsa1.0_07243.1	946	9673	1.00E-153	281	282	99 -	1	281	3530	3811
UN24168	Rsa1.0_02456.1	924	31222	0	781	785	99 -	110	894	29851	30634
UN24169	Rsa1.0_00009.1	997	232558	0	625	666	93 +	337	996	138504	139161
UN24170	Rsa1.0_14276.1	808	3585	0	648	657	98 +	12	666	2850	3506
UN24171	Rsa1.0_08222.1	732	7700	1.00E-149	285	291	97 +	218	508	2508	2798
UN24172	Rsa1.0_00369.1	900	266462	1.00E-138	279	288	96 -	618	900	146291	146576
UN24173	Rsa1.0_00070.1	856	150321	1.00E-173	419	457	91 +	98	545	37051	37507
UN24174	Rsa1.0_00427.1	526	189678	0	495	519	95 +	9	526	32834	33352
UN24175	Rsa1.0_02131.1	678	34754	0	445	460	96 +	4	461	2934	3393
UN24176	Rsa1.0_00566.1	562	75325	0	493	509	96 +	48	556	26261	26769
UN24177	Rsa1.0_04647.1	1062	16541	1.00E-121	273	290	94 +	487	776	8197	8486
UN24178	Rsa1.0_00622.1	832	71822	0	802	829	96 -	3	829	26186	27010

UN24179	Rsa1.0.00865.1	1134	61686	0	936	954	98 +	186	1133	3897	4850
UN24180	Rsa1.0.18066.1	1042	1678	0	440	452	97 -	5	456	28	476
UN24181	Rsa1.0.00744.1	687	66084	0	393	406	96 -	283	687	56513	56916
UN24182	Rsa1.0.02592.1	1358	29751	0	453	457	99 +	3	459	756	1212
UN24183	Rsa1.0.02946.1	1478	26537	0	918	947	96 +	522	1468	857	1800
UN24184	Rsa1.0.02057.1	664	35540	0	449	454	98 -	4	457	20916	21369
UN24185	Rsa1.0.01506.1	497	44370	1.00E-131	294	315	93 -	183	497	17882	18180
UN24186	Rsa1.0.03532.1	383	22272	1.00E-114	215	216	99 +	8	223	15168	15382
UN24187	Rsa1.0.02213.1	1225	33824	0	458	486	94 +	719	1195	12822	13307
UN24188	Rsa1.0.00304.1	1675	97429	0	593	637	93 -	927	1561	24062	24671
UN24189	Rsa1.0.03954.1	882	19886	0	463	490	94 +	2	480	730	1214
UN24190	Rsa1.0.01506.1	452	44370	1.00E-109	257	274	93 -	184	452	17907	18180
UN24191	Rsa1.0.00881.1	672	61260	0	645	666	96 +	5	667	1669	2330
UN24192	Rsa1.0.00187.1	1299	393093	1.00E-178	329	333	98 +	337	669	210221	210553
UN24193	Rsa1.0.31053.1	468	737	5.00E-97	202	207	97 -	10	215	1	205
UN24194	Rsa1.0.00734.1	163	66508	1.00E-21	62	65	95 -	39	103	55572	55636
UN24195	Rsa1.0.03733.1	787	21108	5.00E-98	253	280	90 -	6	266	7077	7355
UN24196	Rsa1.0.11160.1	756	5600	1.00E-131	264	272	97 +	485	754	1870	2141
UN24197	Rsa1.0.00048.1	710	167185	1.00E-140	255	256	99 +	455	710	115681	115936
UN24198	Rsa1.0.08919.1	953	6788	0	922	956	96 +	1	953	161	1116
UN24199	Rsa1.0.03658.1	642	21549	1.00E-171	325	332	97 -	140	471	9116	9447
UN24200	Rsa1.0.00045.1	835	328694	0	789	824	95 +	21	835	302399	303222
UN24201	Rsa1.0.00568.1	670	75219	1.00E-64	132	134	98 -	447	580	931	1064
UN24202	Rsa1.0.01979.1	1206	36545	0	1197	1205	99 +	2	1206	31312	32516
UN24203	Rsa1.0.01104.1	709	285480	1.00E-122	232	234	99 +	477	709	29366	29599
UN24204	Rsa1.0.00133.1	812	123768	1.00E-130	255	260	98 +	552	810	29742	30001
UN24205	Rsa1.0.00707.1	822	190112	1.00E-131	264	273	96 -	164	436	188378	188650
UN24206	Rsa1.0.00017.1	720	752458	1.00E-145	324	345	93 +	263	607	222799	223143
UN24207	Rsa1.0.02178.1	840	156197	0	827	842	98 -	3	840	19955	20796
UN24208	Rsa1.0.32748.1	818	695	0	661	699	94 +	12	697	1	692
UN24209	Rsa1.0.00418.1	745	215377	1.00E-127	258	267	96 +	459	725	2935	3201
UN24210	Rsa1.0.00041.1	1067	186197	0	563	568	99 -	500	1067	183216	183780
UN24211	Rsa1.0.01155.1	1211	52182	0	852	883	96 +	3	884	12068	12944
UN24212	Rsa1.0.00026.1	671	327835	1.00E-144	301	313	96 -	361	671	29231	29541
UN24213	Rsa1.0.01108.1	1248	53865	0	404	406	99 +	844	1248	28450	28855
UN24214	Rsa1.0.00972.1	980	57937	0	433	452	95 -	533	979	52694	53140
UN24215	Rsa1.0.04415.1	793	147889	0	535	558	95 -	229	785	132357	132905
UN24216	Rsa1.0.01005.1	982	56967	1.00E-138	262	266	98 -	420	685	19291	19556
UN24217	Rsa1.0.04286.1	1351	18084	0	547	561	97 -	560	1120	13076	13636

UN24218	Rsa1.0.00002.1	763	601661	0	569	600	94 -	174	762	407180	407779
UN24219	Rsa1.0.00278.1	1315	231896	1.00E-141	339	369	91 -	3	352	60144	60510
UN24220	Rsa1.0.10544.1	821	5807	0	540	555	97 +	65	619	4750	5301
UN24221	Rsa1.0.01968.1	1257	36654	0	479	503	95 -	2	503	18714	19212
UN24222	Rsa1.0.01149.1	749	160459	0	501	507	98 +	4	510	23892	24398
UN24223	Rsa1.0.16367.1	939	2176	1.00E-140	253	253	100 -	2	254	1748	2000
UN24224	Rsa1.0.00088.1	1019	141341	1.00E-164	483	547	88 +	37	575	62412	62928
UN24225	Rsa1.0.00335.1	532	94371	1.00E-106	288	315	91 +	1	305	35053	35363
UN24226	Rsa1.0.02750.1	1346	28239	1.00E-109	239	249	95 +	1	247	25645	25892
UN24227	Rsa1.0.00920.1	885	601703	1.00E-166	302	304	99 +	4	307	28944	29247
UN24228	Rsa1.0.01465.1	920	45175	0	878	934	94 +	5	920	28590	29516
UN24229	Rsa1.0.00251.1	461	303968	8.00E-68	199	221	90 -	242	454	121001	121221
UN24230	Rsa1.0.54139.1	1168	421	1.00E-178	401	421	95 -	433	842	1	421
UN24231	Rsa1.0.00193.1	571	194198	1.00E-115	278	296	93 -	4	294	102524	102818
UN24232	Rsa1.0.01461.1	1350	45240	0	1306	1351	96 +	2	1350	26688	28036
UN24233	Rsa1.0.01403.1	805	46453	0	404	412	98 +	394	805	3064	3472
UN24234	Rsa1.0.01223.1	853	50392	1.00E-179	365	378	96 -	4	379	30265	30641
UN24235	Rsa1.0.00330.1	2072	94666	0	1424	1508	94 +	394	1895	13892	15390
UN24236	Rsa1.0.02245.1	727	33478	1.00E-176	337	345	97 -	1	345	6822	7166
UN24237	Rsa1.0.00096.1	809	198773	0	805	810	99 -	3	809	130160	130969
UN24238	Rsa1.0.00577.1	1434	174827	0	679	762	89 +	146	880	134088	134828
UN24239	Rsa1.0.03646.1	769	21598	1.00E-132	317	342	92 +	42	383	12456	12794
UN24240	Rsa1.0.14063.1	1425	3852	0	995	997	99 +	429	1425	1911	2907
UN24241	Rsa1.0.00087.1	1128	761073	0	576	598	96 -	537	1125	104346	104939
UN24242	Rsa1.0.09769.1	829	6159	2.00E-88	276	294	93 -	545	824	4182	4475
UN24243	Rsa1.0.03645.1	854	21599	0	364	366	99 -	4	369	18186	18551
UN24244	Rsa1.0.00418.1	743	215377	0	450	457	98 -	1	457	49159	49615
UN24245	Rsa1.0.00040.1	859	324196	1.00E-98	201	207	97 -	56	262	267043	267249
UN24246	Rsa1.0.02435.1	1485	31454	0	431	450	95 +	1014	1462	17706	18152
UN24247	Rsa1.0.01317.1	858	48287	1.00E-105	219	227	96 +	624	850	38419	38645
UN24248	Rsa1.0.00686.1	1206	68511	0	442	444	99 +	1	444	8593	9034
UN24249	Rsa1.0.00594.1	624	73729	4.00E-98	185	186	99 +	439	624	30039	30224
UN24250	Rsa1.0.00011.1	670	225044	0	489	500	97 -	159	658	213353	213851
UN24251	Rsa1.0.00348.1	758	92818	0	704	760	92 +	13	756	5635	6394
UN24252	Rsa1.0.00136.1	777	122464	1.00E-104	202	204	99 +	1	204	13051	13253
UN24253	Rsa1.0.00253.1	298	231292	1.00E-133	279	292	95 -	4	295	153947	154238
UN24254	Rsa1.0.00086.1	567	439854	0	388	403	96 +	1	399	342206	342607
UN24255	Rsa1.0.02827.1	1154	27544	0	362	366	98 -	1	366	16492	16856
UN24256	Rsa1.0.00893.1	374	60626	4.00E-94	199	206	96 +	171	374	47601	47806

UN24257	Rsa1.0.00344.1	594	191774	1.00E-105	213	219	97 -	380	594	156243	156461
UN24258	Rsa1.0.07861.1	736	8406	0	714	739	96 -	1	736	6839	7574
UN24259	Rsa1.0.05832.1	842	12491	1.00E-171	330	336	98 +	12	346	6060	6394
UN24260	Rsa1.0.02903.1	683	26901	0	401	405	99 -	279	683	5838	6242
UN24261	Rsa1.0.00128.1	1471	228675	0	369	372	99 -	7	378	42871	43241
UN24262	Rsa1.0.14996.1	895	2904	0	834	870	95 +	26	895	2019	2882
UN24263	Rsa1.0.37242.1	833	605	1.00E-116	254	266	95 +	1	266	76	337
UN24264	Rsa1.0.02384.1	1453	31917	0	683	739	92 -	716	1451	13168	13897
UN24265	Rsa1.0.04760.1	873	16105	5.00E-89	170	171	99 -	59	229	7185	7355
UN24266	Rsa1.0.01513.1	1128	44234	1.00E-169	324	330	98 +	800	1128	29258	29587
UN24267	Rsa1.0.00752.1	747	65756	1.00E-119	259	274	94 +	474	747	14186	14451
UN24268	Rsa1.0.14739.1	876	3113	0	609	653	93 +	1	635	2461	3113
UN24269	Rsa1.0.07767.1	1024	8609	4.00E-90	198	205	96 +	822	1024	4682	4886
UN24270	Rsa1.0.01185.1	743	149842	1.00E-150	291	297	97 -	142	438	9157	9452
UN24271	Rsa1.0.04692.1	1122	16357	0	1026	1076	95 +	74	1122	12091	13163
UN24272	Rsa1.0.00828.1	654	62744	1.00E-101	285	319	89 +	345	654	9114	9432
UN24273	Rsa1.0.00796.1	747	63997	0	578	594	97 -	155	747	53512	54104
UN24274	Rsa1.0.01568.1	629	43077	1.00E-171	335	345	97 -	281	625	21139	21483
UN24275	Rsa1.0.05350.1	1289	14090	0	789	793	99 -	498	1289	716	1508
UN24276	Rsa1.0.00370.1	735	90472	0	715	749	95 -	7	735	43129	43876
UN24277	Rsa1.0.00157.1	1204	245832	1.00E-178	329	333	98 +	90	422	3875	4207
UN24278	Rsa1.0.00636.1	1590	71113	0	633	637	99 -	949	1585	36903	37538
UN24279	Rsa1.0.00090.1	903	273859	0	415	417	99 -	240	656	243674	244090
UN24280	Rsa1.0.02049.1	841	35600	0	769	848	90 +	2	835	12173	13013
UN24281	Rsa1.0.03155.1	828	24958	1.00E-178	394	416	94 -	420	826	10011	10426
UN24282	Rsa1.0.02845.1	1037	27340	0	651	653	99 -	385	1037	1071	1723
UN24283	Rsa1.0.00451.1	1333	322533	0	659	690	95 -	652	1332	153123	153808
UN24284	Rsa1.0.00673.1	716	69325	1.00E-114	252	265	95 -	223	487	20250	20513
UN24285	Rsa1.0.11107.1	952	5613	1.00E-99	211	219	96 +	580	795	3883	4101
UN24286	Rsa1.0.00008.1	674	358124	0	460	479	96 -	3	481	289698	290176
UN24287	#	#	#	#	#	#	#	#	#	#	#
UN24288	#	#	#	#	#	#	#	#	#	#	#
UN24289	#	#	#	#	#	#	#	#	#	#	#
UN24290	Rsa1.0.05391.1	1091	13936	1.00E-138	401	445	90 -	630	1055	2767	3209
UN24291	Rsa1.0.06883.1	974	10210	0	538	540	99 +	1	540	5306	5845
UN24292	Rsa1.0.01126.1	839	53127	1.00E-154	276	276	100 +	564	839	14375	14650
UN24293	Rsa1.0.02529.1	823	30437	0	820	824	99 +	1	823	15685	16508
UN24294	Rsa1.0.01433.1	1317	45976	1.00E-118	223	225	99 +	197	421	10403	10627
UN24295	Rsa1.0.00226.1	1020	105884	0	628	631	99 -	1	630	36407	37037

UN24296	Rsa1.0.02229.1	1148	33672	0	724	755	95 -	1	751	13379	14126
UN24297	Rsa1.0.00171.1	770	115622	0	458	466	98 -	308	770	42662	43127
UN24298	Rsa1.0.00430.1	1326	85453	0	698	720	96 -	427	1146	28114	28830
UN24299	Rsa1.0.01336.1	1694	47853	0	950	960	98 -	735	1694	39992	40951
UN24300	Rsa1.0.00067.1	1353	415055	0	519	521	99 +	1	519	158805	159325
UN24301	Rsa1.0.52224.1	1118	436	1.00E-118	226	229	98 -	436	664	1	229
UN24302	Rsa1.0.00293.1	1207	339294	0	629	640	98 +	1	640	313860	314499
UN24303	Rsa1.0.00689.1	826	68305	0	427	430	99 -	2	431	43611	44040
UN24304	Rsa1.0.02099.1	1333	35030	0	587	601	97 -	736	1333	11907	12507
UN24305	Rsa1.0.00212.1	1048	108350	0	701	702	99 +	1	702	41256	41957
UN24306	Rsa1.0.00383.1	872	398431	0	860	860	100 -	13	872	364629	365488
UN24307	Rsa1.0.05239.1	812	14410	0	659	662	99 -	151	812	12103	12763
UN24308	Rsa1.0.13926.1	1063	4079	0	520	520	100 +	1	520	1900	2419
UN24309	Rsa1.0.08811.1	871	6904	0	780	782	99 +	92	871	5080	5861
UN24310	Rsa1.0.11391.1	1025	5522	0	767	804	95 +	1	803	190	990
UN24311	Rsa1.0.00490.1	1636	186713	0	1451	1463	99 +	172	1631	23769	25229
UN24312	Rsa1.0.05789.1	804	12620	0	791	802	98 -	3	804	7835	8636
UN24313	Rsa1.0.00069.1	831	403561	1.00E-110	203	203	100 +	94	296	165869	166071
UN24314	Rsa1.0.01958.1	823	261128	0	681	695	97 +	1	695	115698	116384
UN24315	Rsa1.0.00189.1	1321	111830	0	349	349	100 -	162	510	77014	77362
UN24316	Rsa1.0.00059.1	957	159650	0	627	646	97 -	9	654	45904	46549
UN24317	Rsa1.0.02733.1	1199	28354	0	430	431	99 -	1	431	25829	26259
UN24318	Rsa1.0.00034.1	1350	260119	1.00E-72	161	168	95 -	907	1074	158357	158524
UN24319	Rsa1.0.02163.1	1142	34427	0	389	389	100 +	1	389	25712	26100
UN24320	Rsa1.0.08253.1	727	7653	0	487	506	96 -	7	506	524	1024
UN24321	Rsa1.0.01516.1	1656	44196	0	583	627	92 +	1030	1656	25718	26332
UN24322	Rsa1.0.00788.1	957	64237	0	427	450	94 -	512	950	4325	4773
UN24323	Rsa1.0.02797.1	967	27800	1.00E-133	257	262	98 +	687	948	7742	8003
UN24324	Rsa1.0.02432.1	807	31499	0	625	632	98 -	8	639	18708	19336
UN24325	Rsa1.0.06170.1	1151	11575	1.00E-141	265	267	99 -	1	266	9244	9510
UN24326	Rsa1.0.02527.1	1028	177225	0	530	555	95 +	1	555	17232	17777
UN24327	Rsa1.0.03348.1	927	23559	0	628	657	95 -	1	644	9013	9665
UN24328	Rsa1.0.01504.1	1472	189978	0	834	881	94 +	584	1458	11092	11966
UN24329	Rsa1.0.01701.1	1501	162121	0	678	682	99 -	33	714	29277	29958
UN24330	Rsa1.0.01002.1	1088	57063	0	1040	1051	98 +	16	1066	3496	4546
UN24331	Rsa1.0.00007.1	679	239325	1.00E-134	243	243	100 +	8	250	27789	28031
UN24332	Rsa1.0.00559.1	1094	190486	0	1070	1096	97 -	1	1094	181905	183000
UN24333	Rsa1.0.29997.1	804	766	0	422	424	99 +	1	424	181	603
UN24334	Rsa1.0.00765.1	1228	65029	0	362	368	98 +	862	1228	40123	40490

UN24335	Rsa1.0.00018.1	1572	410899	0	600	600	100 +	1	600	182022	182621
UN24336	Rsa1.0.03393.1	831	23247	0	554	571	97 +	25	592	13189	13758
UN24337	Rsa1.0.00087.1	613	761073	0	373	375	99 -	1	375	7704	8078
UN24338	Rsa1.0.06614.1	738	10659	0	442	443	99 +	1	442	5361	5803
UN24339	Rsa1.0.02567.1	771	30016	0	673	678	99 +	94	771	20365	21037
UN24340	Rsa1.0.01064.1	1348	55295	4.00E-32	100	108	92 +	842	949	19865	19971
UN24341	Rsa1.0.05849.1	1142	12425	1.00E-139	252	252	100 -	1	252	11067	11318
UN24342	Rsa1.0.01798.1	794	173909	1.00E-111	207	208	99 +	1	208	2850	3057
UN24343	Rsa1.0.08864.1	922	6845	1.00E-96	197	200	98 -	1	198	409	608
UN24344	Rsa1.0.01126.1	963	53127	0	685	719	95 -	245	963	38762	39480
UN24345	Rsa1.0.02062.1	829	35485	1.00E-162	296	298	99 -	532	829	19441	19738
UN24346	Rsa1.0.02431.1	897	31504	1.00E-147	265	265	100 +	1	265	548	812
UN24347	Rsa1.0.02478.1	1608	150183	0	1363	1391	97 +	221	1608	144225	145615
UN24348	Rsa1.0.00923.1	821	153678	1.00E-113	213	215	99 -	443	657	18504	18718
UN24349	Rsa1.0.00505.1	1035	79323	0	1017	1034	98 +	2	1035	26712	27745
UN24350	Rsa1.0.00195.1	997	251884	0	937	974	96 +	1	959	104587	105557
UN24351	Rsa1.0.13018.1	1368	5042	0	834	840	99 +	1	840	4203	5042
UN24352	Rsa1.0.00219.1	905	106983	0	571	578	98 +	328	905	55600	56176
UN24353	Rsa1.0.00131.1	885	432233	0	595	670	88 -	5	633	289720	290377
UN24354	Rsa1.0.00421.1	1731	86365	0	369	370	99 -	1	369	41064	41433
UN24355	Rsa1.0.00050.1	1349	237174	1.00E-154	282	284	99 -	1065	1348	174661	174944
UN24356	Rsa1.0.03072.1	1116	25577	1.00E-171	317	321	98 +	1	321	11213	11533
UN24357	Rsa1.0.16114.1	445	2279	0	387	388	99 -	59	445	1742	2129
UN24358	Rsa1.0.13190.1	637	4976	0	399	415	96 +	224	636	1723	2137
UN24359	Rsa1.0.09478.1	1401	6341	0	684	701	97 -	620	1320	4681	5381
UN24360	Rsa1.0.01715.1	626	40489	0	611	629	97 -	1	626	28703	29324
UN24361	Rsa1.0.12669.1	1228	5159	1.00E-122	226	227	99 +	74	300	1	227
UN24362	Rsa1.0.00154.1	1585	189461	0	712	728	97 -	4	729	31892	32618
UN24363	Rsa1.0.02343.1	1562	32374	0	828	846	97 +	104	942	30564	31409
UN24364	Rsa1.0.00285.1	1871	149638	0	368	368	100 +	1	368	143044	143411
UN24365	Rsa1.0.01303.1	1120	48853	0	488	497	98 +	1	497	16102	16598
UN24366	Rsa1.0.01363.1	1720	47195	0	419	428	97 +	1298	1720	42307	42734
UN24367	Rsa1.0.00224.1	1299	327530	0	1296	1296	100 -	4	1299	241708	243003
UN24368	Rsa1.0.11181.1	938	5592	0	372	375	99 -	25	398	182	554
UN24369	Rsa1.0.02629.1	1386	29350	0	784	806	97 +	168	973	17117	17919
UN24370	Rsa1.0.00190.1	929	318240	0	391	392	99 -	3	394	40833	41224
UN24371	Rsa1.0.03264.1	1553	145959	0	420	441	95 +	2	442	138225	138665
UN24372	Rsa1.0.00089.1	878	406142	1.00E-154	276	276	100 -	267	542	8996	9271
UN24373	Rsa1.0.16344.1	995	2187	1.00E-167	308	310	99 -	544	852	335	644

UN24374	Rsa1.0_16114.1	448	2279	1.00E-159	290	292	99 -	157	448	1952	2243
UN24375	Rsa1.0_00788.1	1484	64237	0	785	808	97 -	653	1448	58538	59345
UN24376	Rsa1.0_00346.1	1319	93130	0	1296	1319	98 -	1	1316	85788	87106
UN24377	Rsa1.0_00318.1	1016	96094	0	372	376	98 +	643	1016	19219	19594
UN24378	Rsa1.0_00360.1	1311	91190	1.00E-120	279	298	93 +	710	1004	2261	2558
UN24379	Rsa1.0_01347.1	558	47606	0	531	556	95 -	5	556	3557	4110
UN24380	Rsa1.0_02105.1	812	156953	0	468	469	99 +	344	812	28045	28513
UN24381	Rsa1.0_01102.1	935	53987	0	701	720	97 -	6	725	51418	52131
UN24382	Rsa1.0_02659.1	1634	28971	0	518	566	91 +	1071	1633	5807	6350
UN24383	Rsa1.0_02909.1	1505	26856	0	1180	1180	100 -	1	1180	10746	11925
UN24384	Rsa1.0_03631.1	1128	21647	1.00E-101	398	462	86 -	599	1058	19100	19557
UN24385	Rsa1.0_00962.1	1624	184909	0	404	408	99 +	1217	1624	31268	31674
UN24386	Rsa1.0_00737.1	1664	66432	0	900	934	96 -	747	1664	23559	24485
UN24387	Rsa1.0_02410.1	1037	31659	0	488	489	99 +	549	1037	8725	9213
UN24388	Rsa1.0_22038.1	973	1153	0	862	871	98 -	3	872	31	901
UN24389	Rsa1.0_01356.1	1243	47287	0	404	405	99 +	838	1242	6134	6538
UN24390	Rsa1.0_00111.1	1489	390088	0	1451	1489	97 -	1	1489	189315	190803
UN24391	Rsa1.0_15693.1	1204	2478	0	359	366	98 +	839	1204	109	474
UN24392	Rsa1.0_01884.1	1799	37659	0	598	598	100 +	1	598	14389	14986
UN24393	Rsa1.0_01403.1	1180	46453	0	383	395	96 -	165	559	37286	37680
UN24394	Rsa1.0_00265.1	1039	220635	1.00E-164	326	336	97 +	705	1039	139882	140211
UN24395	Rsa1.0_00213.1	1315	108167	0	729	733	99 -	578	1310	81522	82254
UN24396	Rsa1.0_01964.1	768	36702	0	630	670	94 -	102	768	11336	11983
UN24397	Rsa1.0_00015.1	998	561803	0	876	883	99 +	116	998	282849	283731
UN24398	Rsa1.0_01565.1	1806	155447	0	883	888	99 +	7	894	33708	34593
UN24399	Rsa1.0_01436.1	1211	45894	1.00E-136	308	325	94 -	3	325	16901	17218
UN24400	Rsa1.0_10147.1	1105	5976	0	364	369	98 +	3	370	735	1103
UN24401	Rsa1.0_00210.1	1248	108424	0	379	380	99 +	869	1248	14783	15162
UN24402	Rsa1.0_10770.1	1218	5723	1.00E-125	234	236	99 -	983	1218	574	809
UN24403	Rsa1.0_00307.1	1339	199003	0	715	729	98 +	42	770	188964	189692
UN24404	Rsa1.0_00053.1	594	263459	1.00E-152	272	272	100 +	323	594	229722	229993
UN24405	Rsa1.0_00001.1	1215	363028	0	1150	1232	93 +	2	1215	235164	236381
UN24406	Rsa1.0_01828.1	1339	38681	0	1082	1246	86 -	92	1301	25937	27182
UN24407	Rsa1.0_04482.1	1166	17175	1.00E-149	320	337	94 +	9	345	8792	9128
UN24408	Rsa1.0_00466.1	1304	82132	0	1267	1301	97 +	1	1300	55424	56722
UN24409	Rsa1.0_01513.1	1031	44234	1.00E-104	365	418	87 -	3	408	20355	20757
UN24410	Rsa1.0_01679.1	1752	146876	0	1729	1743	99 +	8	1750	144973	146715
UN24411	Rsa1.0_07610.1	1030	9026	0	567	568	99 -	114	681	8459	9026
UN24412	Rsa1.0_00526.1	934	169279	0	934	934	100 -	1	934	165061	165994

UN24413	Rsa1.0_15860.1	1457	2385	0	1072	1113	96 -	138	1250	642	1751
UN24414	Rsa1.0_09091.1	1044	6656	0	350	352	99 -	692	1043	3760	4111
UN24415	Rsa1.0_00122.1	969	265937	0	497	546	91 +	252	784	107244	107782
UN24416	Rsa1.0_00040.1	1294	324196	1.00E-172	394	420	93 +	866	1276	306929	307347
UN24417	Rsa1.0_00002.1	1868	601661	0	500	500	100 +	380	879	92134	92633
UN24418	Rsa1.0_00267.1	1778	101509	0	997	1009	98 +	1	1009	28392	29400
UN24419	Rsa1.0_00017.1	958	752458	1.00E-169	317	322	98 -	633	954	326078	326399
UN24420	Rsa1.0_02810.1	1384	27671	0	1373	1382	99 -	3	1384	7466	8847
UN24421	Rsa1.0_00494.1	998	79967	4.00E-16	48	49	97 -	1	49	14773	14821
UN24422	Rsa1.0_00087.1	1062	761073	0	345	350	98 +	2	351	189739	190088
UN24423	Rsa1.0_00434.1	1051	85171	0	359	368	97 +	259	626	35769	36136
UN24424	Rsa1.0_00438.1	1301	84861	0	1286	1303	98 -	1	1301	69285	70586
UN24425	Rsa1.0_03253.1	1185	24321	0	586	603	97 +	578	1179	13387	13983
UN24426	Rsa1.0_00306.1	1062	146760	0	385	390	98 +	674	1061	115946	116335
UN24427	Rsa1.0_00868.1	988	61630	1.00E-153	323	336	96 +	654	988	15834	16165
UN24428	Rsa1.0_00049.1	1282	167018	0	528	582	90 +	227	799	94348	94916
UN24429	Rsa1.0_06713.1	639	10488	0	546	554	98 +	1	551	5026	5579
UN24430	Rsa1.0_00454.1	1290	216970	0	569	569	100 -	720	1288	212661	213229
UN24431	Rsa1.0_00065.1	849	454616	1.00E-128	239	241	99 -	607	847	143381	143621
UN24432	Rsa1.0_00636.1	483	71113	1.00E-102	191	192	99 +	1	192	41771	41962
UN24433	Rsa1.0_00343.1	1174	93570	0	491	517	94 -	1	503	74535	75048
UN24434	Rsa1.0_04428.1	1005	17399	1.00E-101	222	233	95 -	758	990	10071	10299
UN24435	Rsa1.0_00142.1	1436	121474	0	694	724	95 -	1	724	32885	33594
UN24436	Rsa1.0_02460.1	1314	31169	0	975	978	99 +	1	978	3661	4638
UN24437	Rsa1.0_00402.1	960	385315	0	506	516	98 +	451	960	267425	267940
UN24438	Rsa1.0_17063.1	938	1937	0	661	679	97 -	11	689	180	854
UN24439	Rsa1.0_00978.1	1764	57739	0	775	813	95 +	901	1713	2372	3178
UN24440	Rsa1.0_34341.1	1239	659	0	597	598	99 +	202	799	1	598
UN24441	Rsa1.0_01374.1	752	47047	0	746	751	99 +	3	752	19953	20703
UN24442	Rsa1.0_01624.1	960	42064	0	347	348	99 -	3	350	5012	5359
UN24443	Rsa1.0_29194.1	1211	789	0	604	611	98 +	602	1211	42	651
UN24444	Rsa1.0_00107.1	883	431659	0	336	336	100 +	1	336	374600	374935
UN24445	Rsa1.0_00002.1	1984	601661	0	663	670	98 -	1003	1672	68497	69166
UN24446	Rsa1.0_04384.1	1110	17629	1.00E-145	273	277	98 -	821	1097	16284	16560
UN24447	Rsa1.0_01925.1	917	37220	1.00E-117	262	279	93 -	1	279	7141	7405
UN24448	Rsa1.0_03315.1	1100	23797	1.00E-160	305	311	98 -	790	1100	4348	4658
UN24449	Rsa1.0_03229.1	845	24470	0	332	334	99 -	3	335	12170	12503
UN24450	Rsa1.0_00369.1	356	266462	1.00E-149	270	271	99 +	1	271	120815	121085
UN24451	Rsa1.0_00484.1	1012	203294	1.00E-179	346	354	97 +	196	549	60382	60734

UN24452	Rsa1.0.00101.1	688	267193	0	466	468	99 -	1	467	219932	220399
UN24453	Rsa1.0.05189.1	983	14545	1.00E-170	407	440	92 -	555	983	3080	3515
UN24454	Rsa1.0.03107.1	865	25349	1.00E-165	303	306	99 +	250	555	20247	20552
UN24455	Rsa1.0.00487.1	933	80674	1.00E-150	312	320	97 +	621	933	24669	24988
UN24456	Rsa1.0.00380.1	797	89748	0	712	727	97 +	3	727	47876	48601
UN24457	Rsa1.0.02006.1	936	36135	1.00E-174	310	310	100 +	627	936	4294	4603
UN24458	Rsa1.0.03593.1	1164	21869	0	440	446	98 +	344	789	2156	2601
UN24459	Rsa1.0.00675.1	1158	145590	2.00E-98	210	219	95 -	514	732	40513	40731
UN24460	Rsa1.0.00236.1	1182	104771	1.00E-132	242	243	99 -	920	1162	20621	20863
UN24461	Rsa1.0.00514.1	1621	78421	0	1032	1060	97 +	564	1621	70396	71455
UN24462	Rsa1.0.01525.1	1356	43925	1.00E-161	288	288	100 -	1	288	3308	3595
UN24463	Rsa1.0.02079.1	1194	35306	1.00E-144	303	315	96 -	1	313	29707	30021
UN24464	Rsa1.0.03211.1	921	24591	0	748	771	97 +	156	921	9059	9826
UN24465	Rsa1.0.05673.1	942	12980	0	909	929	97 -	15	942	9755	10679
UN24466	Rsa1.0.00218.1	1386	201480	0	599	608	98 -	257	864	52148	52755
UN24467	Rsa1.0.00884.1	1422	61150	1.00E-166	299	300	99 -	582	881	8929	9228
UN24468	Rsa1.0.07021.1	959	10016	0	545	566	96 +	3	568	8611	9170
UN24469	Rsa1.0.00946.1	732	58666	0	391	394	99 -	339	732	46910	47302
UN24470	Rsa1.0.01987.1	1289	36446	0	566	580	97 -	24	603	19077	19656
UN24471	Rsa1.0.02241.1	1143	33520	0	930	948	98 -	198	1143	20365	21308
UN24472	Rsa1.0.01909.1	1238	37417	1.00E-81	368	431	85 +	680	1103	29581	30007
UN24473	Rsa1.0.00201.1	1303	232851	0	1239	1304	95 +	3	1302	141772	143069
UN24474	Rsa1.0.00861.1	601	61759	1.00E-159	324	335	96 -	269	600	1700	2033
UN24475	Rsa1.0.24911.1	659	961	0	425	435	97 +	222	656	55	489
UN24476	Rsa1.0.00154.1	584	189461	0	561	583	96 +	1	581	181968	182544
UN24477	Rsa1.0.00029.1	727	272992	0	439	443	99 -	283	725	147127	147569
UN24478	Rsa1.0.00196.1	796	109960	0	782	789	99 +	5	791	32533	33321
UN24479	Rsa1.0.16826.1	610	2021	1.00E-141	261	263	99 -	231	493	1679	1941
UN24480	Rsa1.0.01659.1	1268	164577	0	670	670	100 +	597	1266	158555	159224
UN24481	Rsa1.0.61677.1	958	372	0	370	377	98 +	24	400	1	372
UN24482	Rsa1.0.00310.1	822	96852	0	748	774	96 -	62	822	47914	48686
UN24483	Rsa1.0.00473.1	1036	212204	0	332	333	99 -	2	334	44099	44431
UN24484	Rsa1.0.02471.1	588	31104	4.00E-98	244	260	93 -	46	300	3907	4165
UN24485	Rsa1.0.09460.1	816	6352	0	421	430	97 +	1	424	4430	4859
UN24486	Rsa1.0.00490.1	1046	186713	0	448	450	99 +	597	1046	73331	73780
UN24487	Rsa1.0.00129.1	1025	126831	0	605	620	97 +	406	1025	28225	28838
UN24488	Rsa1.0.02762.1	1453	28146	0	988	1023	96 -	108	1129	14577	15594
UN24489	Rsa1.0.06975.1	1036	10074	0	1023	1049	97 -	1	1036	8605	9653
UN24490	Rsa1.0.00105.1	1444	134138	0	584	624	93 +	833	1443	61301	61914

UN24491	Rsa1.0_16078.1	941	2294	0	910	942	96 -	2	940	300	1231
UN24492	Rsa1.0_00904.1	1087	180594	1.00E-139	261	264	98 +	824	1087	145946	146209
UN24493	Rsa1.0_01244.1	1557	50061	0	1438	1438	100 -	1	1438	41233	42670
UN24494	Rsa1.0_03945.1	1075	19924	1.00E-173	308	308	100 -	3	310	17078	17385
UN24495	Rsa1.0_00011.1	786	225044	1.00E-148	266	266	100 +	3	268	197590	197855
UN24496	Rsa1.0_00387.1	840	495407	0	386	391	98 +	450	840	472962	473352
UN24497	Rsa1.0_01375.1	1060	47038	1.00E-128	233	233	100 +	406	638	37288	37520
UN24498	Rsa1.0_35742.1	938	633	1.00E-107	204	206	99 +	2	207	288	493
UN24499	Rsa1.0_00224.1	2086	327530	0	797	801	99 -	693	1493	54489	55289
UN24500	Rsa1.0_00999.1	545	57162	0	535	541	98 +	8	545	41925	42465
UN24501	Rsa1.0_00713.1	739	158017	0	541	547	98 -	1	547	8151	8697
UN24502	Rsa1.0_00342.1	686	93695	0	672	706	95 +	1	684	61517	62220
UN24503	Rsa1.0_00472.1	967	398134	1.00E-157	308	317	97 +	1	317	18777	19093
UN24504	Rsa1.0_05923.1	1072	12230	0	397	402	98 -	107	508	7344	7745
UN24505	Rsa1.0_02160.1	1452	34468	0	412	414	99 -	1039	1452	13331	13744
UN24506	Rsa1.0_00022.1	1460	200461	0	1459	1462	99 +	1	1460	129323	130784
UN24507	Rsa1.0_00308.1	1019	96915	0	1013	1020	99 -	1	1019	31975	32994
UN24508	Rsa1.0_01064.1	1431	55295	0	502	518	96 -	84	601	51704	52221
UN24509	Rsa1.0_00005.1	1435	353093	8.00E-43	163	183	89 -	4	184	257446	257623
UN24510	Rsa1.0_00127.1	1051	127446	1.00E-178	397	423	93 -	1	422	86821	87221
UN24511	Rsa1.0_01937.1	1376	37147	0	1220	1240	98 -	142	1376	23128	24367
UN24512	Rsa1.0_03140.1	1126	25081	0	385	390	98 -	265	654	12030	12419
UN24513	Rsa1.0_17484.1	1109	1817	0	930	930	100 +	179	1108	1	930
UN24514	Rsa1.0_00861.1	1053	61759	0	582	588	98 -	448	1034	59543	60130
UN24515	Rsa1.0_00329.1	1130	222544	1.00E-176	325	329	98 +	5	333	64112	64440
UN24516	Rsa1.0_00032.1	482	306326	0	408	410	99 +	1	410	142020	142429
UN24517	Rsa1.0_05658.1	1122	13021	0	620	633	97 +	492	1122	6553	7185
UN24518	Rsa1.0_00339.1	1304	222974	1.00E-173	308	308	100 -	386	693	198502	198809
UN24519	Rsa1.0_00071.1	1130	345714	0	508	550	92 -	1	534	210478	211019
UN24520	Rsa1.0_00238.1	973	193193	0	921	967	95 -	16	973	60861	61818
UN24521	Rsa1.0_01644.1	776	41754	1.00E-52	121	126	96 -	1	126	29028	29153
UN24522	Rsa1.0_03949.1	925	19899	0	361	362	99 -	562	923	11720	12081
UN24523	Rsa1.0_01568.1	1130	43077	0	594	597	99 -	3	597	24215	24811
UN24524	Rsa1.0_00762.1	946	165246	0	702	703	99 +	3	705	1352	2054
UN24525	Rsa1.0_00019.1	1527	301669	0	537	550	97 -	219	765	60520	61069
UN24526	Rsa1.0_01076.1	1024	54835	0	994	1027	96 -	3	1024	19032	20058
UN24527	Rsa1.0_04333.1	1342	17865	0	383	402	95 -	417	807	188	589
UN24528	Rsa1.0_00706.1	1617	291570	0	802	802	100 +	816	1617	53256	54057
UN24529	Rsa1.0_02007.1	890	36130	1.00E-165	310	314	98 -	1	314	33302	33613

UN24530	Rsa1.0_13546.1	1408	4740	2.00E-31	71	71	100 +	1338	1408	4609	4679
UN24531	Rsa1.0_00229.1	671	105471	0	670	671	99 +	1	671	71248	71917
UN24532	Rsa1.0_03743.1	1038	21062	0	647	655	98 +	4	658	5721	6375
UN24533	Rsa1.0_00402.1	1797	385315	0	397	397	100 -	3	399	273020	273416
UN24534	Rsa1.0_02157.1	872	149652	1.00E-68	133	133	100 -	109	241	140841	140973
UN24535	Rsa1.0_01129.1	710	52949	1.00E-165	369	395	93 +	8	402	8751	9132
UN24536	Rsa1.0_00017.1	655	752458	0	639	651	98 -	1	647	624760	625410
UN24537	Rsa1.0_01196.1	1190	51097	1.00E-161	304	308	98 -	881	1187	19359	19666
UN24538	Rsa1.0_05291.1	1319	14255	0	999	1096	91 +	196	1289	13180	14255
UN24539	Rsa1.0_00082.1	1580	237584	0	691	724	95 +	863	1580	46718	47438
UN24540	Rsa1.0_00169.1	1433	274298	0	889	895	99 -	540	1433	26796	27690
UN24541	Rsa1.0_00121.1	990	278029	1.00E-145	261	261	100 +	398	658	114461	114721
UN24542	Rsa1.0_01249.1	1267	188432	0	1071	1088	98 -	179	1266	186883	187970
UN24543	Rsa1.0_01063.1	820	55301	0	633	643	98 +	1	643	6886	7528
UN24544	Rsa1.0_00192.1	378	278200	0	372	372	100 +	7	378	78262	78633
UN24545	Rsa1.0_01767.1	1200	39615	0	368	371	99 +	3	373	12209	12579
UN24546	Rsa1.0_00339.1	961	222974	0	796	819	97 +	1	809	45954	46767
UN24547	Rsa1.0_00329.1	673	222544	0	371	371	100 +	1	371	40344	40714
UN24548	#	#	#	#	#	#	#	#	#	#	#
UN24549	Rsa1.0_02224.1	972	33758	0	509	514	99 +	459	972	3482	3995
UN24550	Rsa1.0_01691.1	947	40921	0	608	614	99 -	333	946	10609	11222
UN24551	Rsa1.0_02909.1	1165	26856	0	458	481	95 +	586	1066	8206	8686
UN24552	Rsa1.0_00454.1	600	216970	1.00E-103	293	324	90 +	270	585	142992	143308
UN24553	Rsa1.0_03800.1	1008	20768	0	605	611	99 -	398	1008	7225	7831
UN24554	Rsa1.0_00318.1	1231	96094	0	1120	1157	96 -	66	1222	43879	45034
UN24555	Rsa1.0_00969.1	847	58014	0	408	411	99 -	437	847	21855	22262
UN24556	Rsa1.0_00155.1	1585	118465	0	969	987	98 +	599	1585	89517	90503
UN24557	Rsa1.0_01555.1	1206	166456	0	563	569	98 +	1	569	6266	6834
UN24558	Rsa1.0_02858.1	1721	27246	0	1565	1683	92 -	58	1721	20572	22220
UN24559	Rsa1.0_06579.1	1761	10724	0	531	532	99 +	1230	1761	1400	1931
UN24560	Rsa1.0_00221.1	1093	106972	0	403	420	95 -	167	582	32623	33042
UN24561	Rsa1.0_00081.1	895	143261	0	519	524	99 +	372	895	136889	137410
UN24562	Rsa1.0_04674.1	1488	139859	0	905	967	93 +	1	943	6975	7923
UN24563	Rsa1.0_00001.1	923	363028	0	906	921	98 -	3	923	208741	209655
UN24564	Rsa1.0_02897.1	1020	26967	1.00E-173	315	317	99 -	702	1018	7608	7924
UN24565	Rsa1.0_04026.1	820	19508	1.00E-122	225	226	99 +	1	226	14370	14595
UN24566	Rsa1.0_00817.1	1426	62961	0	1014	1022	99 +	1	1022	948	1969
UN24567	Rsa1.0_00928.1	417	59293	0	410	416	98 -	2	417	46953	47365
UN24568	Rsa1.0_02531.1	656	266414	1.00E-125	249	255	97 +	213	466	156550	156804

UN24569	Rsa1.0.02478.1	1269	150183	0	824	849	97 -	1	848	144776	145623
UN24570	Rsa1.0.01530.1	1588	43820	0	715	716	99 +	1	716	10218	10932
UN24571	Rsa1.0.04196.1	1075	18515	0	1071	1072	99 +	1	1072	2666	3737
UN24572	Rsa1.0.05549.1	805	13366	0	529	531	99 -	275	805	5552	6080
UN24573	Rsa1.0.02625.1	723	139104	7.00E-91	188	194	96 -	15	208	24068	24261
UN24574	Rsa1.0.01203.1	797	50848	0	794	795	99 +	3	797	18626	19419
UN24575	Rsa1.0.04455.1	1464	17266	0	506	509	99 +	955	1463	10562	11070
UN24576	Rsa1.0.17675.1	1360	1767	0	615	638	96 +	71	694	1130	1767
UN24577	Rsa1.0.04896.1	820	15552	1.00E-175	400	423	94 -	2	416	1770	2189
UN24578	Rsa1.0.03777.1	1064	20922	0	439	443	99 +	1	443	424	865
UN24579	Rsa1.0.03390.1	1226	23270	0	734	752	97 +	475	1225	22237	22985
UN24580	Rsa1.0.00037.1	1071	307838	0	358	368	97 -	483	850	250191	250558
UN24581	Rsa1.0.00073.1	1038	240924	0	1033	1036	99 +	1	1036	33510	34545
UN24582	Rsa1.0.03820.1	1458	20664	0	1387	1471	94 -	3	1457	10042	11508
UN24583	Rsa1.0.01588.1	603	42724	0	588	606	97 +	3	603	18645	19247
UN24584	Rsa1.0.01608.1	1390	170540	0	1111	1272	87 +	1	1258	153832	155096
UN24585	Rsa1.0.00632.1	1009	183777	0	987	1006	98 +	3	1008	173497	174501
UN24586	Rsa1.0.36056.1	721	626	1.00E-137	291	306	95 +	324	622	321	626
UN24587	Rsa1.0.00912.1	1512	59923	0	924	935	98 -	1	929	31050	31983
UN24588	Rsa1.0.00301.1	930	365315	0	905	935	96 -	3	930	7881	8814
UN24589	Rsa1.0.00977.1	1801	198001	1.00E-158	608	716	84 -	420	1126	168740	169454
UN24590	Rsa1.0.00231.1	1002	105381	0	458	460	99 -	1	460	38588	39047
UN24591	Rsa1.0.03238.1	776	24432	0	493	515	95 -	110	624	4549	5063
UN24592	Rsa1.0.03014.1	1002	26018	3.00E-26	74	78	94 +	728	805	15002	15079
UN24593	Rsa1.0.02128.1	1240	34758	0	576	581	99 -	1	581	33290	33870
UN24594	Rsa1.0.00101.1	1239	267193	0	1128	1185	95 -	56	1239	253272	254455
UN24595	Rsa1.0.01983.1	818	36509	0	328	329	99 +	490	818	34199	34527
UN24596	Rsa1.0.04504.1	1259	17069	0	981	999	98 -	254	1252	5181	6178
UN24597	Rsa1.0.00190.1	836	318240	0	394	394	100 +	435	828	204950	205343
UN24598	Rsa1.0.09141.1	751	6612	1.00E-95	246	270	91 +	491	746	4437	4706
UN24599	Rsa1.0.00582.1	785	74333	0	456	460	99 -	6	464	60005	60464
UN24600	Rsa1.0.04848.1	811	15727	0	797	812	98 +	3	809	14316	15127
UN24601	Rsa1.0.00744.1	943	66084	0	426	426	100 +	518	943	54853	55278
UN24602	Rsa1.0.65285.1	1206	351	2.00E-40	115	122	94 +	1085	1206	49	168
UN24603	Rsa1.0.00273.1	619	326186	1.00E-100	322	361	89 +	1	349	160360	160717
UN24604	Rsa1.0.02226.1	1150	33726	4.00E-87	191	200	95 +	934	1133	33349	33548
UN24605	Rsa1.0.04594.1	1048	16713	1.00E-134	249	251	99 -	3	253	11876	12126
UN24606	Rsa1.0.00050.1	587	237174	0	576	584	98 -	4	587	82404	82987
UN24607	Rsa1.0.00732.1	1143	66631	0	391	400	97 +	744	1142	13550	13949

UN24608	Rsa1.0_40125.1	1307	560	1.00E-151	299	306	97 +	1	306	69	371
UN24609	Rsa1.0_01868.1	1298	150904	0	576	583	98 -	1	582	140139	140719
UN24610	Rsa1.0_22115.1	1194	1149	1.00E-150	314	328	95 -	2	329	651	975
UN24611	Rsa1.0_00844.1	1378	62403	0	1302	1352	96 -	38	1378	48452	49794
UN24612	Rsa1.0_16200.1	507	2246	1.00E-161	327	339	96 +	1	339	1909	2246
UN24613	Rsa1.0_19075.1	1837	1483	0	645	681	94 +	304	978	71	742
UN24614	Rsa1.0_00017.1	1131	752458	1.00E-155	325	338	96 +	795	1131	649181	649516
UN24615	Rsa1.0_00255.1	910	204967	4.00E-22	55	55	100 +	842	896	193375	193429
UN24616	Rsa1.0_00346.1	807	93130	4.00E-37	90	92	97 -	717	807	23048	23139
UN24617	Rsa1.0_00540.1	1203	76895	0	885	917	96 +	1	907	67260	68173
UN24618	Rsa1.0_00360.1	1381	91190	0	883	906	97 -	20	922	4038	4943
UN24619	Rsa1.0_00111.1	826	390088	0	383	392	97 -	1	392	71526	71914
UN24620	Rsa1.0_02995.1	1019	26163	0	399	400	99 +	3	402	19533	19932
UN24621	Rsa1.0_00017.1	860	752458	0	667	683	97 +	1	678	68634	69315
UN24622	Rsa1.0_01821.1	1121	38798	0	763	766	99 -	2	767	6873	7637
UN24623	Rsa1.0_00435.1	1345	317579	0	402	403	99 +	475	877	28245	28647
UN24624	Rsa1.0_03155.1	777	24958	0	450	461	97 -	1	455	7374	7834
UN24625	Rsa1.0_01513.1	821	44234	0	776	783	99 +	42	821	11466	12247
UN24626	Rsa1.0_36855.1	907	612	0	340	340	100 +	78	417	1	340
UN24627	Rsa1.0_01829.1	771	166063	1.00E-179	330	334	98 -	252	585	135457	135790
UN24628	#	#	#	#	#	#	#	#	#	#	#
UN24629	Rsa1.0_02494.1	1131	132923	1.00E-161	345	362	95 +	772	1129	121412	121773
UN24630	Rsa1.0_02033.1	1182	35828	0	561	593	94 -	595	1181	20836	21427
UN24631	Rsa1.0_00046.1	1010	320315	1.00E-116	252	264	95 +	730	991	75017	75280
UN24632	Rsa1.0_02605.1	840	29637	0	748	768	97 +	72	839	23193	23954
UN24633	Rsa1.0_02449.1	759	31292	0	333	334	99 +	1	334	11804	12137
UN24634	Rsa1.0_00204.1	1136	109056	0	495	501	98 +	639	1136	45212	45712
UN24635	Rsa1.0_02240.1	668	153768	1.00E-147	270	272	99 -	397	668	145233	145504
UN24636	Rsa1.0_01419.1	1358	167402	1.00E-169	336	345	97 -	1015	1358	133900	134242
UN24637	Rsa1.0_08518.1	915	7244	2.00E-98	198	203	97 +	379	581	6688	6890
UN24638	Rsa1.0_07431.1	1298	9406	1.00E-123	267	280	95 +	560	839	232	504
UN24639	Rsa1.0_04283.1	754	18089	0	676	750	90 -	4	747	10785	11529
UN24640	Rsa1.0_00879.1	919	61297	0	803	809	99 -	112	919	12002	12806
UN24641	Rsa1.0_01578.1	734	42880	0	708	732	96 +	3	734	35761	36484
UN24642	Rsa1.0_00056.1	945	332604	0	925	942	98 +	3	944	60907	61845
UN24643	Rsa1.0_01827.1	1598	143321	0	633	648	97 +	3	650	134057	134704
UN24644	Rsa1.0_00628.1	1235	214360	0	637	641	99 +	589	1229	42082	42722
UN24645	Rsa1.0_01820.1	938	38804	0	417	422	98 -	3	424	18794	19215
UN24646	Rsa1.0_00439.1	957	142776	1.00E-104	216	224	96 -	557	780	22249	22472

UN24647	Rsa1.0.00890.1	801	323870	0	778	804	96 +	1	801	191210	192012
UN24648	Rsa1.0.00748.1	1467	65983	0	1091	1150	94 -	35	1156	61251	62400
UN24649	Rsa1.0.06454.1	846	10987	1.00E-122	307	334	91 +	509	839	6861	7181
UN24650	Rsa1.0.01560.1	805	43256	0	414	414	100 +	81	494	22552	22965
UN24651	Rsa1.0.13606.1	876	4648	0	411	411	100 -	1	411	1705	2115
UN24652	Rsa1.0.03013.1	1967	26026	0	1510	1527	98 -	441	1967	17271	18797
UN24653	Rsa1.0.00949.1	1526	58549	0	1020	1021	99 -	2	1022	30841	31861
UN24654	Rsa1.0.17112.1	1319	1920	0	1288	1295	99 +	3	1297	626	1920
UN24655	Rsa1.0.00033.1	1414	515811	0	1052	1090	96 -	328	1414	497747	498835
UN24656	Rsa1.0.00842.1	1124	62493	0	452	453	99 +	1	453	50186	50638
UN24657	Rsa1.0.00772.1	1247	64856	0	485	504	96 -	387	890	28581	29081
UN24658	Rsa1.0.01489.1	1394	44764	0	1220	1236	98 -	161	1392	2862	4097
UN24659	Rsa1.0.10555.1	1306	5802	0	880	884	99 -	346	1229	3283	4166
UN24660	Rsa1.0.00193.1	1601	194198	0	480	504	95 -	3	505	94582	95074
UN24661	Rsa1.0.00097.1	1592	138858	1.00E-162	311	318	97 -	893	1204	85149	85466
UN24662	Rsa1.0.01059.1	1218	55410	1.00E-179	327	330	99 -	301	630	12529	12858
UN24663	Rsa1.0.00568.1	776	75219	0	773	776	99 +	1	774	51127	51902
UN24664	Rsa1.0.00005.1	677	353093	0	450	451	99 -	227	677	207848	208298
UN24665	Rsa1.0.09932.1	1261	6085	0	1249	1259	99 +	4	1261	248	1506
UN24666	Rsa1.0.01729.1	544	304246	0	537	537	100 +	8	544	279583	280119
UN24667	Rsa1.0.13283.1	600	4941	0	596	599	99 +	2	600	4217	4815
UN24668	Rsa1.0.04551.1	922	16886	8.00E-11	57	64	89 -	85	148	12413	12476
UN24669	Rsa1.0.25620.1	1404	928	0	584	594	98 -	795	1386	1	592
UN24670	Rsa1.0.14686.1	924	3157	0	730	740	98 +	187	924	1	739
UN24671	Rsa1.0.01942.1	898	37048	0	884	896	98 -	3	898	724	1618
UN24672	Rsa1.0.00034.1	864	260119	1.00E-150	269	269	100 +	1	269	94632	94900
UN24673	Rsa1.0.00681.1	1090	68779	0	477	494	96 -	2	494	62890	63379
UN24674	Rsa1.0.06619.1	478	10650	1.00E-127	274	284	96 +	6	285	4509	4790
UN24675	Rsa1.0.01659.1	1215	164577	0	1133	1167	97 +	2	1163	135079	136241
UN24676	Rsa1.0.04925.1	856	15424	0	627	644	97 +	213	856	456	1098
UN24677	Rsa1.0.00914.1	703	59880	1.00E-138	262	266	98 +	290	555	3727	3992
UN24678	Rsa1.0.01045.1	749	55853	1.00E-129	289	306	94 -	156	458	27100	27402
UN24679	Rsa1.0.20977.1	996	1248	1.00E-135	248	249	99 +	747	995	894	1142
UN24680	Rsa1.0.01163.1	1034	51946	1.00E-121	442	510	86 -	525	1024	6950	7456
UN24681	#	#	#	#	#	#	#	#	#	#	#
UN24682	Rsa1.0.06104.1	873	11737	0	861	871	98 +	1	871	9263	10129
UN24683	Rsa1.0.00058.1	1012	159921	0	594	601	98 +	412	1012	19768	20368
UN24684	Rsa1.0.16572.1	704	2108	0	602	628	95 +	3	629	1384	2007
UN24685	Rsa1.0.02962.1	693	26419	0	566	611	92 +	87	693	11344	11931

UN24686	Rsa1.0.00357.1	941	173671	0	617	657	93 -	6	661	124107	124762
UN24687	Rsa1.0.00469.1	655	82084	0	500	500	100 -	115	614	23579	24078
UN24688	Rsa1.0.00496.1	855	79834	0	653	663	98 -	1	663	34242	34904
UN24689	Rsa1.0.00008.1	803	358124	0	370	373	99 -	3	375	286672	287043
UN24690	Rsa1.0.00054.1	642	162053	5.00E-79	191	205	93 -	3	201	85898	86102
UN24691	Rsa1.0.00153.1	1032	192931	2.00E-92	185	189	97 +	594	782	31712	31900
UN24692	Rsa1.0.00017.1	1380	752458	0	536	565	94 -	185	749	58376	58922
UN24693	Rsa1.0.04538.1	1089	16940	0	1069	1092	97 +	4	1087	15137	16227
UN24694	Rsa1.0.00134.1	1120	390219	0	850	854	99 -	267	1120	148397	149250
UN24695	Rsa1.0.01004.1	704	56975	0	397	398	99 -	307	704	4218	4615
UN24696	Rsa1.0.01048.1	1290	55684	0	1061	1068	99 -	143	1210	4574	5641
UN24697	Rsa1.0.00457.1	653	337301	1.00E-107	273	304	89 +	372	653	179228	179531
UN24698	Rsa1.0.06508.1	947	10874	0	541	560	96 -	392	947	4532	5090
UN24699	Rsa1.0.00973.1	1527	57913	1.00E-126	262	273	95 -	984	1256	5428	5700
UN24700	Rsa1.0.03313.1	1234	23834	0	522	530	98 -	37	566	11402	11931
UN24701	#	#	#	#	#	#	#	#	#	#	#
UN24702	Rsa1.0.04819.1	1342	140505	1.00E-105	235	247	95 -	1	246	139907	140153
UN24703	Rsa1.0.00013.1	1064	292129	0	380	382	99 +	1	381	250791	251172
UN24704	Rsa1.0.14549.1	1003	3281	1.00E-134	246	247	99 -	1	247	2823	3069
UN24705	Rsa1.0.00168.1	602	115870	0	587	597	98 +	6	601	23009	23605
UN24706	Rsa1.0.17887.1	1352	1718	0	821	823	99 -	375	1197	771	1593
UN24707	Rsa1.0.00001.1	2038	363028	0	800	804	99 -	1235	2038	120329	121132
UN24708	Rsa1.0.05504.1	1793	13508	0	717	738	97 +	681	1418	5846	6580
UN24709	Rsa1.0.05894.1	1038	12306	0	354	362	97 -	229	590	11501	11862
UN24710	Rsa1.0.00591.1	1303	73789	0	369	377	97 -	821	1197	36407	36783
UN24711	Rsa1.0.00661.1	1035	213041	1.00E-165	349	367	95 -	94	460	5979	6345
UN24712	Rsa1.0.01218.1	1680	50536	1.00E-103	227	236	96 +	1	234	14227	14457
UN24713	Rsa1.0.05838.1	713	12479	0	537	553	97 -	2	546	591	1142
UN24714	Rsa1.0.01081.1	606	499226	0	391	396	98 -	1	396	13074	13469
UN24715	Rsa1.0.00067.1	618	415055	0	598	617	96 -	3	616	197481	198091
UN24716	Rsa1.0.00180.1	1226	114581	1.00E-141	274	279	98 +	4	282	37967	38244
UN24717	Rsa1.0.07579.1	643	9086	3.00E-59	178	199	89 -	416	607	8338	8536
UN24718	Rsa1.0.00001.1	818	363028	0	382	392	97 -	427	818	47817	48206
UN24719	Rsa1.0.01371.1	813	47079	0	775	786	98 +	23	808	37578	38359
UN24720	Rsa1.0.03502.1	870	22446	1.00E-102	195	197	98 -	339	535	9041	9237
UN24721	Rsa1.0.01962.1	818	153412	0	497	499	99 -	320	818	4390	4888
UN24722	Rsa1.0.00264.1	585	101674	0	569	574	99 -	2	571	11937	12510
UN24723	Rsa1.0.06298.1	745	11280	0	619	644	96 -	97	738	10646	11280
UN24724	Rsa1.0.00371.1	536	90463	0	526	539	97 -	1	536	76386	76921

UN24725	Rsa1.0.00190.1	1258	318240	0	457	482	94 -	777	1256	300454	300925
UN24726	Rsa1.0.05737.1	1973	12778	0	1060	1083	97 -	507	1587	419	1501
UN24727	Rsa1.0.00206.1	718	109040	3.00E-34	81	83	97 +	367	449	985	1067
UN24728	Rsa1.0.00219.1	928	106983	0	928	928	100 +	1	928	66717	67644
UN24729	Rsa1.0.03746.1	1226	21050	1.00E-157	360	382	94 -	832	1206	8036	8417
UN24730	Rsa1.0.00017.1	1665	752458	0	343	343	100 -	1	343	503128	503470
UN24731	Rsa1.0.07319.1	1028	9561	0	389	390	99 +	635	1024	8937	9326
UN24732	Rsa1.0.14199.1	1331	3671	0	435	440	98 -	16	455	2045	2484
UN24733	Rsa1.0.00838.1	947	153820	0	921	955	96 +	2	947	29485	30439
UN24734	Rsa1.0.00434.1	1064	85171	0	540	592	91 +	35	613	66220	66802
UN24735	Rsa1.0.04146.1	1557	18833	0	1548	1559	99 +	2	1557	3270	4828
UN24736	Rsa1.0.01516.1	2384	44196	0	1049	1115	94 +	783	1894	26925	28029
UN24737	Rsa1.0.02871.1	1284	27085	0	1067	1073	99 -	212	1284	21396	22468
UN24738	Rsa1.0.03722.1	952	21184	0	476	477	99 -	1	477	9320	9795
UN24739	Rsa1.0.00279.1	827	100039	1.00E-125	268	281	95 -	4	281	37942	38222
UN24740	Rsa1.0.00121.1	858	278029	0	388	392	98 -	91	482	106621	107012
UN24741	Rsa1.0.00064.1	1228	240927	0	756	787	96 -	442	1228	57362	58125
UN24742	Rsa1.0.08332.1	941	7528	0	762	790	96 -	162	941	3938	4727
UN24743	Rsa1.0.00152.1	1392	257730	0	395	396	99 +	997	1392	245480	245875
UN24744	#	#	#	#	#	#	#	#	#	#	#
UN24745	Rsa1.0.06163.1	1385	11588	0	1221	1246	97 -	1	1246	8	1253
UN24746	Rsa1.0.00281.1	1468	99908	0	1431	1441	99 +	29	1468	58980	60419
UN24747	Rsa1.0.02472.1	1029	31085	0	728	767	94 +	2	767	10582	11337
UN24748	Rsa1.0.16572.1	1527	2108	0	609	631	96 +	2	628	1377	2007
UN24749	Rsa1.0.02745.1	683	28263	0	358	364	98 +	317	680	3009	3371
UN24750	Rsa1.0.05345.1	763	14103	0	387	388	99 +	376	763	3356	3743
UN24751	Rsa1.0.00383.1	896	398431	0	511	522	97 -	371	892	284015	284530
UN24752	Rsa1.0.02923.1	1271	26736	0	810	853	94 -	11	863	12677	13517
UN24753	Rsa1.0.00465.1	734	82138	0	473	477	99 -	259	734	67740	68216
UN24754	Rsa1.0.00213.1	884	108167	0	808	814	99 +	71	884	9890	10703
UN24755	Rsa1.0.00898.1	934	202772	2.00E-76	266	300	88 -	23	318	174644	174935
UN24756	Rsa1.0.00246.1	1608	103541	0	1585	1604	98 +	3	1606	10100	11703
UN24757	Rsa1.0.01163.1	1207	51946	0	434	436	99 -	4	439	33379	33814
UN24758	Rsa1.0.00378.1	1424	89892	0	828	834	99 +	592	1424	60682	61515
UN24759	Rsa1.0.00376.1	1185	90101	0	643	667	96 +	517	1183	2298	2954
UN24760	Rsa1.0.00057.1	1058	160473	0	359	367	97 -	1	367	100728	101094
UN24761	Rsa1.0.00485.1	1295	80937	0	554	589	94 -	708	1293	22007	22588
UN24762	Rsa1.0.02171.1	827	167557	0	424	441	96 +	392	826	12344	12784
UN24763	Rsa1.0.00657.1	686	69858	0	381	383	99 -	1	382	53893	54275

UN24764	Rsa1.0.01656.1	540	41494	0	521	540	96 +	2	537	16480	17019
UN24765	Rsa1.0.01687.1	1200	40979	0	900	902	99 +	298	1199	26429	27330
UN24766	Rsa1.0.19175.1	1050	1469	0	665	667	99 +	383	1049	577	1243
UN24767	Rsa1.0.04384.1	1244	17629	0	469	472	99 +	1	471	4696	5167
UN24768	Rsa1.0.02247.1	672	33427	0	668	674	99 +	1	670	765	1438
UN24769	Rsa1.0.06049.1	494	11851	1.00E-117	252	264	95 +	232	492	10624	10887
UN24770	Rsa1.0.00216.1	1126	197563	0	1094	1126	97 -	1	1123	9862	10987
UN24771	Rsa1.0.10976.1	1182	5657	0	790	807	97 -	1	807	3467	4270
UN24772	Rsa1.0.05622.1	1174	13145	1.00E-157	469	531	88 -	637	1167	12527	13054
UN24773	Rsa1.0.02896.1	965	26970	0	891	926	96 +	42	964	23364	24289
UN24774	Rsa1.0.01350.1	794	47503	2.00E-11	76	89	85 -	227	315	12290	12378
UN24775	Rsa1.0.59221.1	754	386	0	381	386	98 -	95	480	1	386
UN24776	Rsa1.0.00379.1	1824	89865	0	1055	1071	98 -	755	1824	83241	84311
UN24777	Rsa1.0.01952.1	879	36940	0	666	720	92 -	4	723	28471	29187
UN24778	Rsa1.0.00329.1	1102	222544	1.00E-167	309	311	99 -	1	310	25085	25395
UN24779	Rsa1.0.01104.1	741	285480	0	423	450	94 -	222	667	135402	135844
UN24780	Rsa1.0.00018.1	786	410899	0	766	788	97 -	1	785	7515	8301
UN24781	Rsa1.0.02185.1	828	34150	0	525	545	96 +	15	558	31458	32002
UN24782	Rsa1.0.01394.1	1070	46641	0	1058	1070	98 -	1	1070	33543	34610
UN24783	Rsa1.0.00577.1	717	174827	0	432	437	98 -	281	717	7966	8402
UN24784	Rsa1.0.01095.1	713	54276	0	506	507	99 -	206	712	45587	46093
UN24785	Rsa1.0.05815.1	1144	12563	1.00E-160	300	303	99 +	843	1144	9748	10050
UN24786	Rsa1.0.00138.1	690	247040	1.00E-163	321	330	97 -	105	434	64744	65070
UN24787	Rsa1.0.00915.1	1459	194446	0	1206	1305	92 +	2	1289	18618	19922
UN24788	Rsa1.0.45645.1	893	494	0	490	494	99 -	298	791	1	494
UN24789	Rsa1.0.00380.1	701	89748	0	654	692	94 -	14	701	41507	42194
UN24790	Rsa1.0.01989.1	719	36439	1.00E-98	216	227	95 -	214	440	32960	33186
UN24791	Rsa1.0.07127.1	1473	9863	0	640	666	96 -	506	1171	681	1346
UN24792	Rsa1.0.00173.1	1329	288743	0	732	746	98 +	583	1328	219387	220132
UN24793	Rsa1.0.02122.1	779	34797	1.00E-106	273	299	91 +	471	769	32145	32443
UN24794	Rsa1.0.02668.1	804	28895	0	780	819	95 -	1	804	5069	5882
UN24795	Rsa1.0.02160.1	1694	34468	0	443	467	94 -	1	446	10197	10663
UN24796	Rsa1.0.00050.1	518	237174	0	509	516	98 +	3	518	216666	217180
UN24797	Rsa1.0.01078.1	843	316910	0	497	500	99 -	1	499	135725	136224
UN24798	Rsa1.0.00077.1	685	145005	1.00E-147	279	284	98 -	382	665	92101	92384
UN24799	Rsa1.0.26446.1	1025	891	0	483	488	98 +	538	1024	146	633
UN24800	Rsa1.0.08657.1	1055	7074	0	470	490	95 +	565	1054	4705	5194
UN24801	Rsa1.0.00193.1	752	194198	0	653	690	94 +	3	681	140765	141451
UN24802	Rsa1.0.04100.1	1065	19060	0	515	523	98 -	2	524	18429	18951

UN24803	Rsa1.0.00178.1	1447	114861	0	1336	1408	94 -	48	1447	60467	61866
UN24804	Rsa1.0.02748.1	867	28242	0	685	751	91 -	127	866	18385	19135
UN24805	Rsa1.0.00020.1	1111	283099	0	743	756	98 -	3	757	187452	188204
UN24806	Rsa1.0.00025.1	777	277312	0	361	365	98 -	2	366	159843	160207
UN24807	Rsa1.0.00402.1	752	385315	1.00E-158	286	287	99 +	466	752	252520	252806
UN24808	Rsa1.0.00175.1	1516	166121	1.00E-169	308	310	99 -	1207	1516	16354	16663
UN24809	Rsa1.0.00055.1	1050	520193	5.00E-71	190	204	93 -	821	1023	354451	354651
UN24810	Rsa1.0.01526.1	1123	43919	0	914	935	97 -	190	1123	35072	36006
UN24811	Rsa1.0.00123.1	627	325650	1.00E-107	261	278	93 -	353	627	241793	242061
UN24812	Rsa1.0.00111.1	1260	390088	0	458	475	96 +	1	472	197735	198208
UN24813	Rsa1.0.13535.1	1508	4747	1.00E-57	124	127	97 +	12	138	1	127
UN24814	Rsa1.0.08412.1	849	7404	0	511	530	96 +	12	539	4359	4887
UN24815	Rsa1.0.00324.1	843	218805	1.00E-134	258	263	98 -	3	265	133661	133923
UN24816	Rsa1.0.00405.1	794	202864	0	477	480	99 +	315	794	66025	66504
UN24817	Rsa1.0.16781.1	1108	2037	0	963	991	97 -	1	991	365	1350
UN24818	Rsa1.0.00085.1	1172	142226	0	760	768	98 -	406	1172	49794	50558
UN24819	Rsa1.0.01768.1	819	138463	1.00E-169	354	369	95 +	385	751	769	1136
UN24820	Rsa1.0.04285.1	1130	18085	0	1122	1129	99 +	2	1130	4753	5881
UN24821	Rsa1.0.08477.1	1013	7295	0	403	403	100 +	3	405	2963	3365
UN24822	Rsa1.0.02070.1	875	158516	0	446	452	98 +	424	875	764	1215
UN24823	Rsa1.0.00216.1	783	197563	1.00E-159	308	316	97 -	467	782	92960	93275
UN24824	Rsa1.0.00251.1	596	303968	0	564	591	95 -	1	586	299129	299712
UN24825	Rsa1.0.01351.1	981	47498	8.00E-76	372	443	83 +	2	423	23375	23807
UN24826	Rsa1.0.01184.1	956	51452	0	951	972	97 -	1	956	48086	49057
UN24827	Rsa1.0.00538.1	1051	77149	0	394	399	98 +	654	1051	66277	66675
UN24828	Rsa1.0.00204.1	747	109056	0	408	426	95 +	92	507	19482	19907
UN24829	Rsa1.0.08162.1	1401	7813	0	767	798	96 +	1	798	7019	7813
UN24830	Rsa1.0.06353.1	692	11194	0	669	675	99 -	18	692	4250	4921
UN24831	Rsa1.0.03302.1	1156	23898	0	1116	1158	96 +	2	1156	10552	11709
UN24832	Rsa1.0.02222.1	660	152798	0	530	537	98 +	2	537	121266	121802
UN24833	Rsa1.0.00484.1	728	203294	0	405	412	98 +	1	411	153099	153509
UN24834	Rsa1.0.05817.1	1032	12552	1.00E-99	185	185	100 -	183	367	3543	3727
UN24835	Rsa1.0.00153.1	1083	192931	0	515	548	93 -	552	1083	171931	172473
UN24836	Rsa1.0.01520.1	1580	44087	0	550	552	99 -	581	1132	33477	34028
UN24837	Rsa1.0.01279.1	1170	180330	0	721	733	98 -	440	1170	21096	21825
UN24838	Rsa1.0.01156.1	1025	52147	0	370	373	99 -	646	1018	14807	15179
UN24839	#	#	#	#	#	#	#	#	#	#	#
UN24840	Rsa1.0.03034.1	1506	157864	0	459	481	95 +	1026	1506	134541	135020
UN24841	Rsa1.0.00026.1	545	327835	0	335	337	99 -	3	339	123766	124102

UN24842	Rsa1.0.05004.1	1239	15172	0	847	903	93 +	3	894	799	1699
UN24843	Rsa1.0.03843.1	1130	20496	1.00E-111	298	334	89 +	139	460	8119	8435
UN24844	Rsa1.0.02951.1	824	26505	0	535	555	96 -	1	547	14215	14765
UN24845	Rsa1.0.00305.1	693	97308	0	489	496	98 -	197	692	43700	44195
UN24846	Rsa1.0.04872.1	2014	15659	0	428	435	98 +	591	1021	12472	12906
UN24847	Rsa1.0.00384.1	707	89278	1.00E-127	237	239	99 +	3	241	79101	79339
UN24848	Rsa1.0.01189.1	1134	51358	0	1128	1138	99 -	1	1134	4129	5264
UN24849	Rsa1.0.02682.1	1005	28711	1.00E-118	216	216	100 +	202	417	13239	13454
UN24850	Rsa1.0.01998.1	1575	36276	0	546	551	99 +	2	552	12575	13125
UN24851	Rsa1.0.01716.1	1504	40483	1.00E-153	382	416	91 +	1	396	9622	10037
UN24852	Rsa1.0.04860.1	1088	15696	0	558	575	97 -	14	588	1305	1876
UN24853	Rsa1.0.11429.1	512	5511	0	390	393	99 +	122	512	4743	5135
UN24854	Rsa1.0.00685.1	764	68515	0	369	372	99 +	393	764	14743	15114
UN24855	Rsa1.0.03364.1	753	23446	0	751	751	100 +	3	753	11319	12069
UN24856	Rsa1.0.00559.1	845	190486	0	384	389	98 +	96	484	2470	2858
UN24857	Rsa1.0.02189.1	505	34098	0	500	503	99 +	3	505	2131	2633
UN24858	Rsa1.0.03280.1	674	145083	1.00E-159	291	293	99 -	3	295	143707	143999
UN24859	Rsa1.0.01704.1	794	40711	1.00E-169	357	374	95 -	1	372	18105	18470
UN24860	Rsa1.0.08679.1	750	7047	0	567	624	90 -	139	750	870	1481
UN24861	Rsa1.0.04762.1	1517	16101	0	369	383	96 -	1004	1383	9068	9450
UN24862	Rsa1.0.01780.1	859	39411	0	494	500	98 -	360	859	2706	3205
UN24863	Rsa1.0.00087.1	747	761073	0	728	746	97 -	1	746	561211	561954
UN24864	Rsa1.0.01081.1	1068	499226	0	524	541	96 +	525	1065	322593	323133
UN24865	Rsa1.0.00124.1	724	262503	1.00E-175	350	359	97 -	366	724	16228	16583
UN24866	Rsa1.0.07870.1	601	8384	0	399	407	98 -	187	593	1665	2068
UN24867	Rsa1.0.03873.1	965	20360	0	480	499	96 -	467	965	9588	10077
UN24868	Rsa1.0.00182.1	856	142305	0	436	438	99 +	64	500	105345	105782
UN24869	Rsa1.0.00019.1	507	301669	1.00E-162	383	408	93 +	94	496	295024	295424
UN24870	Rsa1.0.07150.1	842	9817	0	655	668	98 +	178	841	6972	7639
UN24871	Rsa1.0.00460.1	1032	206387	1.00E-65	170	184	92 +	844	1027	18371	18554
UN24872	Rsa1.0.51060.1	1032	445	0	443	445	99 -	188	632	1	445
UN24873	Rsa1.0.03184.1	1476	24750	1.00E-121	240	246	97 -	1174	1419	15432	15677
UN24874	Rsa1.0.00826.1	641	166736	1.00E-156	342	358	95 -	286	641	11593	11947
UN24875	Rsa1.0.03224.1	1425	24501	0	367	377	97 -	383	758	2071	2447
UN24876	Rsa1.0.02030.1	864	179909	0	324	324	100 -	384	707	165998	166321
UN24877	Rsa1.0.00046.1	690	320315	0	679	686	98 -	3	688	52068	52750
UN24878	Rsa1.0.00377.1	1742	90038	3.00E-98	204	211	96 -	1512	1722	573	783
UN24879	Rsa1.0.11002.1	1241	5651	0	748	757	98 +	485	1241	4206	4962
UN24880	Rsa1.0.02924.1	826	26736	0	551	552	99 +	273	824	17587	18138

UN24881	Rsa1.0_11224.1	1072	5577	0	905	916	98 -	157	1072	4530	5445
UN24882	Rsa1.0_00122.1	922	265937	0	634	634	100 +	1	634	33165	33798
UN24883	Rsa1.0_02784.1	867	27881	0	776	777	99 +	1	777	17544	18320
UN24884	Rsa1.0_02234.1	813	33618	1.00E-149	312	327	95 -	276	602	4214	4534
UN24885	Rsa1.0_00789.1	1342	64233	0	591	592	99 -	255	846	33179	33769
UN24886	Rsa1.0_04876.1	1415	15631	1.00E-142	262	264	99 -	3	266	3539	3802
UN24887	Rsa1.0_01207.1	2007	141053	0	544	546	99 +	1462	2007	130561	131106
UN24888	Rsa1.0_00059.1	1290	159650	0	580	609	95 -	7	600	63622	64229
UN24889	Rsa1.0_00850.1	997	62193	0	405	419	96 -	584	997	25123	25539
UN24890	Rsa1.0_05415.1	751	13830	0	601	634	94 -	120	751	4799	5432
UN24891	Rsa1.0_00664.1	1444	69573	0	452	454	99 +	991	1444	16178	16631
UN24892	Rsa1.0_00332.1	1401	94575	1.00E-100	199	202	98 +	1201	1401	43005	43206
UN24893	Rsa1.0_04456.1	1740	17260	0	570	590	96 +	845	1431	15708	16297
UN24894	Rsa1.0_01573.1	1295	42964	0	712	734	97 +	453	1186	13460	14190
UN24895	Rsa1.0_00507.1	1325	79074	1.00E-174	320	322	99 +	1	321	9947	10268
UN24896	Rsa1.0_01350.1	1146	47503	0	1133	1144	99 -	3	1145	10446	11587
UN24897	Rsa1.0_01444.1	565	169539	1.00E-130	248	251	98 -	315	565	14839	15088
UN24898	Rsa1.0_07548.1	596	9150	1.00E-179	327	330	99 -	106	435	1	330
UN24899	Rsa1.0_00275.1	1345	210104	0	1333	1343	99 +	1	1343	14785	16127
UN24900	Rsa1.0_02090.1	1298	35161	0	590	597	98 +	701	1296	33851	34447
UN24901	Rsa1.0_03035.1	1280	25827	1.00E-118	216	216	100 -	1	216	5045	5260
UN24902	Rsa1.0_02456.1	750	31222	1.00E-139	251	251	100 -	499	749	23754	24004
UN24903	Rsa1.0_03284.1	1465	24069	0	637	639	99 +	1	639	2507	3145
UN24904	Rsa1.0_00280.1	1093	99966	0	809	833	97 -	3	823	75915	76747
UN24905	Rsa1.0_00108.1	1074	478491	0	503	523	96 +	545	1063	66756	67274
UN24906	Rsa1.0_02070.1	1424	158516	0	548	578	94 -	1	578	156434	156991
UN24907	Rsa1.0_03382.1	849	23299	0	338	341	99 -	510	849	5197	5537
UN24908	Rsa1.0_00148.1	1119	120234	0	533	552	96 -	519	1069	72135	72685
UN24909	Rsa1.0_00218.1	723	201480	0	702	722	97 +	1	722	45431	46152
UN24910	Rsa1.0_02871.1	738	27085	5.00E-64	152	161	94 +	430	590	7452	7612
UN24911	Rsa1.0_00124.1	629	262503	0	591	622	95 -	10	625	159689	160310
UN24912	Rsa1.0_03720.1	1432	21187	0	1087	1182	91 +	256	1430	10921	12095
UN24913	Rsa1.0_01933.1	1314	37172	1.00E-121	237	241	98 -	238	478	15512	15751
UN24914	Rsa1.0_02104.1	1045	34985	0	373	383	97 +	663	1045	7644	8025
UN24915	Rsa1.0_01242.1	1668	50066	0	1635	1671	97 -	1	1668	48006	49675
UN24916	Rsa1.0_06412.1	1005	11060	0	550	580	94 +	3	576	951	1524
UN24917	Rsa1.0_00384.1	787	89278	0	705	756	93 -	1	753	26323	27078
UN24918	Rsa1.0_00964.1	810	316648	1.00E-135	247	248	99 +	563	810	165354	165601
UN24919	Rsa1.0_05090.1	1610	14879	0	390	407	95 -	1204	1610	7794	8193

UN24920	Rsa1.0.01105.1	917	53958	0	622	644	96 +	1	644	19707	20345
UN24921	Rsa1.0.19308.1	1135	1449	0	908	950	95 +	1	946	511	1449
UN24922	Rsa1.0.00013.1	1291	292129	0	1047	1075	97 -	2	1075	119779	120852
UN24923	Rsa1.0.01014.1	833	56762	1.00E-177	324	327	99 +	483	809	27362	27688
UN24924	Rsa1.0.13926.1	861	4079	0	856	857	99 +	5	861	307	1163
UN24925	Rsa1.0.06462.1	835	10972	0	824	835	98 +	1	835	648	1481
UN24926	Rsa1.0.01452.1	1240	45459	0	1235	1238	99 -	1	1238	19026	20263
UN24927	Rsa1.0.02378.1	1475	31991	0	1026	1046	98 +	429	1474	14707	15752
UN24928	Rsa1.0.00951.1	603	164588	0	598	613	97 +	1	602	143856	144468
UN24929	Rsa1.0.00294.1	1003	144860	0	775	787	98 +	3	788	35156	35942
UN24930	Rsa1.0.00512.1	867	200277	1.00E-104	260	282	92 -	2	283	24322	24600
UN24931	Rsa1.0.00111.1	1342	390088	0	578	592	97 +	1	588	338259	338850
UN24932	Rsa1.0.03870.1	651	20362	0	456	459	99 +	193	651	654	1112
UN24933	Rsa1.0.08550.1	962	7211	0	591	603	98 -	1	603	6016	6618
UN24934	Rsa1.0.00051.1	869	258225	0	827	875	94 +	7	869	106503	107370
UN24935	Rsa1.0.02805.1	1307	27698	0	397	398	99 -	1	398	19031	19428
UN24936	Rsa1.0.13866.1	1003	4183	1.00E-138	284	297	95 -	690	977	467	763
UN24937	Rsa1.0.00653.1	1320	70029	0	420	425	98 -	1	422	18742	19166
UN24938	Rsa1.0.06876.1	979	10223	0	508	508	100 -	4	511	4106	4613
UN24939	Rsa1.0.14058.1	429	3860	1.00E-140	256	257	99 +	173	429	1	257
UN24940	Rsa1.0.09157.1	564	6602	0	557	562	99 +	3	564	3141	3699
UN24941	Rsa1.0.06671.1	1200	10563	0	484	487	99 +	714	1200	553	1039
UN24942	Rsa1.0.00381.1	1370	89718	0	636	636	100 +	735	1370	1	636
UN24943	Rsa1.0.00562.1	822	75565	0	529	530	99 +	1	530	658	1187
UN24944	Rsa1.0.02431.1	1581	31504	0	439	440	99 -	3	442	2929	3368
UN24945	Rsa1.0.00785.1	977	64356	0	903	926	97 -	3	928	12375	13300
UN24946	Rsa1.0.00460.1	577	206387	0	510	543	93 +	7	547	189489	190027
UN24947	Rsa1.0.00083.1	976	442773	1.00E-177	553	636	86 -	142	768	319657	320280
UN24948	Rsa1.0.02473.1	1012	31083	1.00E-149	295	304	97 +	709	1012	14966	15269
UN24949	Rsa1.0.00077.1	980	145005	0	427	439	97 -	546	980	44541	44978
UN24950	Rsa1.0.00251.1	803	303968	0	787	799	98 +	3	801	299102	299897
UN24951	Rsa1.0.00210.1	1214	108424	1.00E-127	244	248	98 +	1	248	46176	46423
UN24952	Rsa1.0.00898.1	809	202772	1.00E-131	237	237	100 +	573	809	186227	186463
UN24953	Rsa1.0.01899.1	974	37474	0	534	535	99 +	440	974	14937	15471
UN24954	Rsa1.0.03427.1	1423	22992	1.00E-129	326	349	93 -	8	353	11180	11518
UN24955	Rsa1.0.04463.1	1551	17247	0	469	491	95 -	2	490	15847	16329
UN24956	Rsa1.0.01064.1	1340	55295	0	1211	1219	99 +	122	1340	49185	50403
UN24957	Rsa1.0.03261.1	1523	24281	3.00E-21	109	126	86 -	1331	1455	20831	20956
UN24958	Rsa1.0.03240.1	793	24429	0	480	492	97 +	305	793	7701	8192

UN24959	Rsa1.0_08325.1		690	7536	0	541	542	99 +		149	690	4688	5229
UN24960	#	#	#	#	#	#	#	#	#	#	#	#	#
UN24961	Rsa1.0_00464.1		738	82253	0	486	494	98 -		3	496	69041	69534
UN24962	Rsa1.0_00102.1		863	135497	0	592	605	97 -		259	863	27293	27894
UN24963	Rsa1.0_15766.1		591	2435	1.00E-140	284	292	97 +		3	286	927	1218
UN24964	Rsa1.0_07827.1		797	8466	0	367	369	99 -		1	369	3606	3974
UN24965	Rsa1.0_06902.1		1110	10186	2.00E-92	188	192	97 -		469	658	243	434
UN24966	Rsa1.0_00692.1		1601	68151	0	1227	1335	91 -		2	1336	52276	53610
UN24967	Rsa1.0_04901.1		1016	15526	0	437	443	98 -		365	807	11239	11681
UN24968	Rsa1.0_00030.1		764	250988	0	637	643	99 -		3	645	54400	55041
UN24969	Rsa1.0_01246.1		1331	49968	0	1291	1335	96 -		1	1328	21498	22824
UN24970	Rsa1.0_02772.1		1918	28047	0	1293	1297	99 +		622	1918	15900	17196
UN24971	Rsa1.0_03150.1		960	24980	1.00E-157	359	382	93 +		180	559	6649	7025
UN24972	Rsa1.0_00190.1		1170	318240	0	1134	1148	98 +		25	1170	294376	295521
UN24973	Rsa1.0_51875.1		948	438	0	418	420	99 +		529	948	1	420
UN24974	Rsa1.0_00264.1		787	101674	0	779	782	99 +		9	787	97219	98000
UN24975	Rsa1.0_21613.1		1288	1187	1.00E-167	317	322	98 +		968	1288	714	1035
UN24976	Rsa1.0_08922.1		1530	6788	0	738	749	98 +		525	1273	1849	2597
UN24977	Rsa1.0_01308.1		1102	48596	0	1094	1101	99 -		2	1102	26953	28051
UN24978	Rsa1.0_15795.1		1226	2418	1.00E-124	246	251	98 +		185	435	211	460
UN24979	Rsa1.0_00964.1		1717	316648	0	999	1034	96 -		684	1717	304617	305644
UN24980	Rsa1.0_01153.1		877	52264	0	681	701	97 -		3	696	36760	37460
UN24981	Rsa1.0_00014.1		912	348985	0	601	637	94 +		1	615	168271	168906
UN24982	Rsa1.0_02281.1		1228	292576	1.00E-120	220	220	100 +		819	1038	13338	13557
UN24983	Rsa1.0_03244.1		782	24413	0	741	769	96 +		14	782	20251	21014
UN24984	Rsa1.0_11393.1		828	5521	1.00E-105	239	253	94 -		547	792	1122	1368
UN24985	Rsa1.0_00202.1		751	185895	0	730	761	95 +		1	751	147056	147813
UN24986	Rsa1.0_00131.1		689	432233	1.00E-131	237	237	100 -		453	689	395516	395752
UN24987	Rsa1.0_01659.1		1315	164577	1.00E-151	348	373	93 -		949	1313	141669	142041
UN24988	Rsa1.0_00221.1		1026	106972	0	412	430	95 +		1	415	103785	104214
UN24989	Rsa1.0_00001.1		1017	363028	0	539	559	96 +		168	726	240541	241099
UN24990	Rsa1.0_00208.1		1088	108565	0	492	509	96 -		2	510	21769	22276
UN24991	Rsa1.0_02229.1		997	33672	0	382	385	99 +		611	995	14453	14837
UN24992	Rsa1.0_00059.1		811	159650	0	660	677	97 +		1	677	99687	100363
UN24993	Rsa1.0_00123.1		917	325650	0	618	619	99 +		299	917	262756	263374
UN24994	Rsa1.0_02351.1		1433	32305	0	1413	1431	98 +		3	1433	4951	6379
UN24995	Rsa1.0_00136.1		692	122464	1.00E-156	344	363	94 +		1	363	64050	64409
UN24996	Rsa1.0_00005.1		1569	353093	1.00E-135	336	364	92 -		5	368	121587	121947
UN24997	Rsa1.0_00168.1		1223	115870	0	1158	1194	96 -		28	1221	16028	17220

UN24998	Rsa1.0.00182.1	1383	142305	2.33E-156	312	327	95 -	536	862	98126	98451
UN24999	Rsa1.0.05549.1	1503	13366	0	704	713	98 -	791	1503	12654	13366
UN25000	Rsa1.0.00317.1	907	218290	2.00E-60	119	119	100 -	1	119	204688	204806
UN25001	Rsa1.0.03682.1	1286	21396	1.00E-180	365	380	96 -	585	964	12324	12703
UN25002	Rsa1.0.00100.1	1089	249232	1.00E-118	266	280	95 +	685	963	117508	117786
UN25003	Rsa1.0.03921.1	1253	20080	0	1214	1255	96 -	1	1252	3240	4490
UN25004	Rsa1.0.00457.1	1156	337301	1.00E-173	371	388	95 -	772	1154	289907	290291
UN25005	Rsa1.0.03107.1	986	25349	0	346	348	99 -	640	986	14750	15097
UN25006	Rsa1.0.00635.1	1047	175826	0	683	707	96 +	340	1046	106336	107041
UN25007	Rsa1.0.00384.1	1012	89278	0	389	392	99 +	622	1012	73990	74381
UN25008	Rsa1.0.00072.1	1300	148743	0	679	681	99 -	8	688	145354	146034
UN25009	Rsa1.0.00478.1	1224	81419	0	1219	1225	99 -	1	1224	33903	35127
UN25010	Rsa1.0.01683.1	1373	41059	0	349	356	98 -	533	888	23260	23612
UN25011	Rsa1.0.01029.1	716	256254	1.00E-131	310	328	94 +	397	714	144670	144996
UN25012	Rsa1.0.01727.1	1556	40243	0	462	477	96 -	2	476	27904	28379
UN25013	Rsa1.0.00803.1	1310	144228	0	382	389	98 -	623	1011	52682	53070
UN25014	Rsa1.0.02387.1	900	31890	0	511	524	97 +	382	896	17300	17823
UN25015	Rsa1.0.00782.1	1335	64468	0	461	482	95 -	512	993	30051	30532
UN25016	Rsa1.0.05002.1	966	15173	2.33E-156	302	311	97 +	1	309	7823	8132
UN25017	Rsa1.0.07550.1	1479	9147	0	1476	1476	100 -	1	1476	3119	4594
UN25018	Rsa1.0.01282.1	1973	49304	1.00E-162	297	299	99 -	103	401	8878	9176
UN25019	Rsa1.0.01695.1	764	40848	1.00E-177	367	382	96 +	370	751	11765	12144
UN25020	Rsa1.0.03546.1	1689	22172	1.00E-137	385	431	89 -	1	416	14336	14755
UN25021	Rsa1.0.01305.1	983	48730	0	460	480	95 +	41	517	15324	15803
UN25022	Rsa1.0.40140.1	724	559	1.00E-111	207	208	99 +	2	209	144	351
UN25023	Rsa1.0.01233.1	1448	50184	0	1013	1025	98 +	1	1025	30926	31950
UN25024	Rsa1.0.01035.1	903	56019	1.00E-175	318	320	99 -	245	564	48721	49040
UN25025	Rsa1.0.07488.1	1506	9265	0	431	436	98 +	3	436	4541	4976
UN25026	Rsa1.0.00553.1	1565	75983	0	759	768	98 +	1	766	70412	71176
UN25027	Rsa1.0.00346.1	865	93130	0	821	828	99 +	42	863	52081	52908
UN25028	Rsa1.0.00593.1	657	143463	0	651	670	97 +	1	657	140792	141461
UN25029	Rsa1.0.16402.1	1194	2166	1.00E-154	279	280	99 +	915	1194	202	481
UN25030	Rsa1.0.05501.1	1713	13513	0	592	598	98 -	84	681	11140	11737
UN25031	Rsa1.0.01008.1	832	56924	0	362	371	97 -	3	368	31029	31399
UN25032	Rsa1.0.05031.1	887	15083	0	802	812	98 -	76	887	8017	8827
UN25033	Rsa1.0.02871.1	583	27085	0	351	361	97 -	221	581	565	925
UN25034	Rsa1.0.00011.1	1290	225044	0	477	479	99 +	812	1290	163185	163663
UN25035	Rsa1.0.00283.1	1168	183797	0	777	800	97 +	1	798	37053	37841
UN25036	Rsa1.0.09671.1	1430	6221	1.00E-165	333	344	96 -	997	1337	1	342

UN25037	Rsa1.0.01105.1	863	53958	0	458	463	98 +	403	863	12551	13011
UN25038	Rsa1.0.01920.1	1260	158533	0	1151	1223	94 -	50	1259	22450	23663
UN25039	Rsa1.0.00920.1	754	601703	0	375	390	96 +	366	752	5595	5984
UN25040	Rsa1.0.00569.1	857	75060	0	469	471	99 +	388	857	65107	65577
UN25041	Rsa1.0.02452.1	745	31280	0	383	389	98 +	1	389	11094	11482
UN25042	Rsa1.0.06376.1	806	11135	1.00E-174	316	317	99 -	491	806	10819	11135
UN25043	Rsa1.0.00978.1	475	57739	2.00E-38	118	129	91 -	3	130	4434	4556
UN25044	Rsa1.0.01292.1	898	175783	0	362	362	100 -	537	898	147712	148073
UN25045	Rsa1.0.00157.1	1195	245832	1.00E-173	308	308	100 +	888	1195	184047	184354
UN25046	Rsa1.0.03605.1	681	21827	1.00E-168	319	324	98 -	358	680	14442	14765
UN25047	Rsa1.0.01009.1	1105	56922	0	415	439	94 -	556	992	2790	3228
UN25048	Rsa1.0.15782.1	1061	2423	0	1061	1061	100 -	1	1061	555	1615
UN25049	Rsa1.0.02681.1	804	28711	8.00E-88	168	169	99 -	2	170	12659	12827
UN25050	Rsa1.0.35376.1	1161	640	1.00E-175	321	324	99 +	416	739	164	487
UN25051	Rsa1.0.00068.1	876	151813	0	363	371	97 -	509	875	121726	122096
UN25052	Rsa1.0.02392.1	1127	152517	0	334	335	99 +	11	344	25809	26143
UN25053	Rsa1.0.02057.1	1195	35540	1.00E-121	225	226	99 -	969	1194	18539	18764
UN25054	Rsa1.0.00029.1	886	272992	8.00E-88	174	177	98 -	2	178	25639	25815
UN25055	Rsa1.0.00920.1	820	601703	0	429	431	99 -	390	820	4844	5274
UN25056	Rsa1.0.05702.1	768	12884	1.00E-129	279	291	95 +	469	757	712	1002
UN25057	Rsa1.0.00190.1	612	318240	1.00E-115	241	249	96 -	18	265	103229	103474
UN25058	Rsa1.0.00310.1	799	96852	0	619	652	94 -	142	790	3224	3863
UN25059	Rsa1.0.12425.1	1026	5229	1.00E-113	207	207	100 -	3	209	190	396
UN25060	Rsa1.0.02633.1	943	29315	0	413	431	95 -	513	939	347	768
UN25061	Rsa1.0.01754.1	707	39792	0	629	665	94 +	7	663	13165	13829
UN25062	Rsa1.0.02884.1	637	27034	0	421	435	96 +	154	587	6764	7198
UN25063	Rsa1.0.00874.1	1523	179723	0	1145	1151	99 +	374	1523	4488	5636
UN25064	Rsa1.0.04272.1	1282	18144	1.00E-149	292	300	97 -	2	301	14816	15115
UN25065	Rsa1.0.01530.1	1260	43820	0	677	688	98 +	573	1260	32926	33613
UN25066	Rsa1.0.00827.1	1080	62790	0	1035	1071	96 +	8	1078	30488	31542
UN25067	Rsa1.0.00480.1	916	81325	0	903	952	94 -	1	916	7605	8555
UN25068	Rsa1.0.02931.1	745	26654	1.00E-110	222	228	97 +	2	229	1044	1268
UN25069	Rsa1.0.00541.1	909	76863	1.00E-164	320	329	97 +	390	718	34575	34903
UN25070	Rsa1.0.01154.1	998	52249	0	997	998	99 -	1	998	34345	35342
UN25071	Rsa1.0.00896.1	909	60509	0	713	713	100 +	197	909	29277	29989
UN25072	Rsa1.0.00414.1	1023	202190	0	896	908	98 -	95	1002	13262	14166
UN25073	Rsa1.0.05631.1	683	13127	4.00E-95	224	237	94 -	39	273	4477	4713
UN25074	Rsa1.0.02008.1	933	36109	1.00E-113	250	261	95 -	672	931	16941	17196
UN25075	Rsa1.0.00019.1	1077	301669	1.00E-124	264	276	95 -	423	698	238714	238986

UN25076	Rsa1.0.05708.1	920	12871	0	629	629	100 +	290	918	11144	11772
UN25077	Rsa1.0.01236.1	1270	50156	0	747	828	90 +	388	1202	1967	2765
UN25078	Rsa1.0.02020.1	920	173211	1.00E-144	352	382	92 -	2	383	172619	172987
UN25079	Rsa1.0.00077.1	976	145005	0	897	963	93 +	3	955	33231	34176
UN25080	Rsa1.0.02584.1	826	29877	0	385	400	96 -	1	400	808	1201
UN25081	Rsa1.0.06728.1	948	10455	1.00E-111	297	329	90 -	632	948	9056	9382
UN25082	Rsa1.0.01005.1	1018	56967	0	376	376	100 -	642	1017	16018	16393
UN25083	Rsa1.0.01116.1	1406	142088	0	421	451	93 +	957	1406	128912	129357
UN25084	Rsa1.0.00002.1	1373	601661	0	1305	1366	95 +	8	1373	453717	455072
UN25085	Rsa1.0.00006.1	743	396176	0	707	743	95 +	3	741	157555	158292
UN25086	Rsa1.0.09238.1	633	6539	0	625	633	98 -	3	633	4486	5116
UN25087	Rsa1.0.00025.1	781	277312	0	477	477	100 -	1	477	97736	98212
UN25088	Rsa1.0.00196.1	1087	109960	0	1087	1087	100 +	1	1087	3908	4994
UN25089	Rsa1.0.05189.1	1122	14545	1.00E-162	352	374	94 +	24	397	421	785
UN25090	Rsa1.0.00194.1	595	110851	0	582	591	98 +	3	590	75125	75715
UN25091	Rsa1.0.00245.1	803	103569	0	799	803	99 +	1	803	19299	20099
UN25092	Rsa1.0.02888.1	960	27020	0	566	579	97 -	315	893	10898	11476
UN25093	Rsa1.0.00462.1	525	82288	1.00E-119	224	226	99 +	3	228	36047	36272
UN25094	Rsa1.0.02855.1	985	27271	0	894	897	99 +	89	985	10359	11255
UN25095	Rsa1.0.04275.1	721	18136	1.00E-117	261	279	93 +	2	264	9496	9773
UN25096	Rsa1.0.00776.1	1004	64637	1.00E-132	243	244	99 -	445	688	2561	2804
UN25097	Rsa1.0.00397.1	899	88189	1.00E-108	211	215	98 -	685	899	19985	20199
UN25098	Rsa1.0.08498.1	697	7270	0	492	492	100 -	198	689	5525	6016
UN25099	Rsa1.0.07616.1	1254	9016	0	1248	1252	99 +	1	1252	5248	6499
UN25100	Rsa1.0.02270.1	653	249821	0	375	384	97 +	1	384	140999	141382
UN25101	Rsa1.0.00422.1	1493	86144	0	610	610	100 -	345	954	83575	84184
UN25102	Rsa1.0.00451.1	1041	322533	1.00E-142	320	337	94 -	1	334	301659	301986
UN25103	Rsa1.0.00011.1	727	225044	0	504	538	93 -	192	726	213315	213851
UN25104	Rsa1.0.00453.1	960	83031	0	414	437	94 -	1	430	19304	19735
UN25105	Rsa1.0.17881.1	538	1720	0	531	539	98 +	3	538	1006	1541
UN25106	Rsa1.0.01451.1	921	45459	0	522	523	99 +	397	919	18789	19311
UN25107	Rsa1.0.00062.1	912	299291	0	896	910	98 -	3	912	73362	74271
UN25108	Rsa1.0.00017.1	969	752458	0	898	898	100 -	1	898	187371	188268
UN25109	Rsa1.0.00270.1	902	101236	1.00E-157	281	281	100 +	1	281	684	964
UN25110	Rsa1.0.01803.1	989	173846	0	438	465	94 +	530	989	137460	137917
UN25111	Rsa1.0.02026.1	1157	35896	0	692	705	98 +	106	809	24305	25009
UN25112	Rsa1.0.02544.1	1267	30290	1.00E-180	374	387	96 +	6	391	28775	29157
UN25113	Rsa1.0.03843.1	1062	20496	1.00E-136	387	431	89 -	624	1045	6094	6521
UN25114	Rsa1.0.09527.1	1136	6311	1.00E-172	309	310	99 +	296	605	5870	6179

UN25115	Rsa1.0.03344.1	991	23593	0	440	460	95 -	1	460	12154	12611
UN25116	Rsa1.0.01012.1	1034	56836	0	639	642	99 -	393	1034	50951	51592
UN25117	Rsa1.0.02658.1	1243	28978	0	415	431	96 +	3	430	17653	18083
UN25118	Rsa1.0.00001.1	652	363028	1.00E-89	221	240	92 -	3	242	245412	245642
UN25119	Rsa1.0.01261.1	844	49744	0	744	787	94 +	32	807	30847	31629
UN25120	Rsa1.0.01924.1	1141	37226	0	535	574	93 +	504	1060	23204	23771
UN25121	Rsa1.0.00660.1	623	69688	1.00E-79	163	167	97 +	210	376	17354	17520
UN25122	Rsa1.0.02606.1	1442	29635	1.00E-165	369	389	94 +	1055	1442	7554	7937
UN25123	Rsa1.0.00826.1	817	166736	0	368	379	97 +	439	817	130040	130418
UN25124	Rsa1.0.07331.1	884	9548	0	648	690	93 -	3	690	3210	3883
UN25125	Rsa1.0.03738.1	764	21071	0	720	759	94 +	1	759	19581	20321
UN25126	Rsa1.0.00262.1	838	101906	1.00E-149	345	369	93 +	473	836	33151	33519
UN25127	Rsa1.0.08583.1	1360	7161	1.00E-154	291	296	98 +	423	718	1426	1721
UN25128	Rsa1.0.01299.1	1158	162028	1.00E-148	275	277	99 +	882	1158	159762	160036
UN25129	Rsa1.0.02672.1	740	28884	0	537	549	97 -	3	547	27567	28115
UN25130	Rsa1.0.01452.1	834	45459	0	832	834	99 -	1	834	28728	29559
UN25131	Rsa1.0.03605.1	744	21827	1.00E-169	343	354	96 +	354	707	20342	20693
UN25132	Rsa1.0.02158.1	940	154841	0	938	938	100 +	1	938	148340	149277
UN25133	Rsa1.0.00001.1	871	363028	1.00E-176	362	377	96 -	502	871	314883	315259
UN25134	Rsa1.0.01921.1	1533	168088	1.00E-142	296	307	96 -	1	304	135302	135608
UN25135	Rsa1.0.06677.1	667	10560	1.00E-107	318	361	88 -	324	665	31	382
UN25136	Rsa1.0.00071.1	759	345714	0	426	428	99 +	1	428	54406	54833
UN25137	Rsa1.0.00065.1	928	454616	1.00E-169	342	353	96 -	1	351	191624	191976
UN25138	Rsa1.0.01311.1	955	48456	0	909	944	96 +	22	955	27588	28528
UN25139	Rsa1.0.00211.1	1092	228189	0	553	617	89 -	498	1090	179317	179912
UN25140	Rsa1.0.03149.1	660	24983	1.00E-144	281	289	97 +	377	658	19482	19770
UN25141	Rsa1.0.05815.1	1149	12563	1.00E-138	293	305	96 +	846	1149	9748	10050
UN25142	Rsa1.0.00026.1	575	327835	1.00E-123	301	321	93 +	249	568	174424	174737
UN25143	Rsa1.0.00293.1	2580	339294	0	1564	1571	99 -	4	1568	306710	308279
UN25144	Rsa1.0.00522.1	900	78103	1.00E-114	234	242	96 -	630	871	57158	57399
UN25145	Rsa1.0.01866.1	635	37961	0	400	415	96 -	3	411	36635	37049
UN25146	Rsa1.0.00030.1	497	250988	1.00E-104	274	298	91 -	153	449	149351	149644
UN25147	Rsa1.0.00150.1	838	154416	0	410	421	97 -	1	421	60307	60727
UN25148	Rsa1.0.00077.1	1198	145005	0	525	534	98 +	109	642	89656	90189
UN25149	Rsa1.0.04971.1	1248	15273	1.00E-120	225	227	99 -	3	229	8547	8773
UN25150	Rsa1.0.00616.1	655	195713	0	434	461	94 +	193	644	181777	182234
UN25151	Rsa1.0.23959.1	1808	1014	0	507	521	97 +	843	1361	152	666
UN25152	Rsa1.0.00203.1	756	109129	2.00E-88	210	224	93 -	526	741	27505	27728
UN25153	Rsa1.0.01507.1	741	44361	4.00E-74	158	162	97 +	199	359	24853	25014

UN25154	Rsa1.0_00645.1	424	189716	4.00E-85	181	188	96 -	39	226	35226	35413
UN25155	Rsa1.0_02396.1	873	31783	0	390	393	99 -	479	871	9555	9947
UN25156	Rsa1.0_02020.1	913	173211	1.00E-160	353	374	94 +	535	908	172619	172991
UN25157	Rsa1.0_01666.1	1218	173972	0	458	458	100 +	1	458	23718	24175
UN25158	Rsa1.0_01651.1	929	41586	0	870	925	94 -	10	929	31343	32257
UN25159	Rsa1.0_00017.1	1024	752458	0	508	535	94 +	90	620	503623	504157
UN25160	Rsa1.0_00645.1	811	189716	0	793	811	97 -	1	811	29860	30670
UN25161	Rsa1.0_00017.1	945	752458	0	445	461	96 +	1	454	412583	413043
UN25162	Rsa1.0_00978.1	728	57739	1.00E-172	376	400	94 -	2	393	14018	14417
UN25163	Rsa1.0_00610.1	840	72740	0	350	351	99 +	490	840	36010	36360
UN25164	Rsa1.0_02316.1	777	32608	0	545	564	96 -	3	565	6257	6817
UN25165	Rsa1.0_00978.1	794	57739	0	448	476	94 -	1	469	14018	14493
UN25166	Rsa1.0_00773.1	998	64839	1.00E-119	302	327	92 -	654	973	10122	10440
UN25167	Rsa1.0_05208.1	654	14504	0	357	358	99 -	1	358	3908	4265
UN25168	Rsa1.0_04218.1	748	18423	1.00E-138	342	366	93 -	41	403	12805	13163
UN25169	Rsa1.0_00018.1	673	410899	0	574	575	99 -	1	575	140603	141176
UN25170	Rsa1.0_00557.1	857	75865	0	438	450	97 +	205	653	69508	69957
UN25171	Rsa1.0_02442.1	489	31355	1.00E-102	242	257	94 +	1	252	12550	12804
UN25172	Rsa1.0_00577.1	529	174827	0	503	539	93 -	1	522	111653	112189
UN25173	Rsa1.0_00002.1	837	601661	0	758	780	97 -	57	835	76769	77548
UN25174	Rsa1.0_00748.1	1340	65983	0	440	462	95 +	881	1340	59992	60447
UN25175	Rsa1.0_04630.1	768	16595	0	403	422	95 -	350	762	14479	14895
UN25176	Rsa1.0_00639.1	989	165873	0	872	897	97 +	23	918	128436	129331
UN25177	Rsa1.0_00248.1	1539	163568	0	360	361	99 -	1179	1539	99359	99719
UN25178	Rsa1.0_02467.1	755	31141	0	642	706	90 +	1	685	15463	16150
UN25179	Rsa1.0_00552.1	900	206757	1.00E-141	311	327	95 -	566	891	70049	70374
UN25180	Rsa1.0_02923.1	742	26736	1.00E-117	321	354	90 +	9	346	15750	16101
UN25181	Rsa1.0_00279.1	653	100039	1.00E-158	317	328	96 +	41	368	4350	4674
UN25182	Rsa1.0_00351.1	679	413096	0	385	400	96 -	276	673	244431	244827
UN25183	Rsa1.0_06535.1	1208	10827	0	1149	1218	94 +	3	1208	2590	3789
UN25184	Rsa1.0_02252.1	1096	33375	0	551	575	95 -	520	1094	27425	27999
UN25185	Rsa1.0_01630.1	869	41913	1.00E-99	233	246	94 +	3	242	959	1204
UN25186	Rsa1.0_00114.1	902	131330	0	428	455	94 -	6	456	117617	118070
UN25187	Rsa1.0_00217.1	1425	107079	0	545	545	100 -	1	545	53336	53880
UN25188	Rsa1.0_01106.1	970	53916	0	576	585	98 -	12	595	37216	37800
UN25189	Rsa1.0_03718.1	763	21195	9.00E-69	172	185	92 -	497	681	1723	1907
UN25190	Rsa1.0_02254.1	683	33344	2.00E-69	179	193	92 +	383	575	4778	4968
UN25191	Rsa1.0_00029.1	1223	272992	0	1117	1162	96 -	2	1161	253417	254561
UN25192	Rsa1.0_00198.1	1777	222963	0	402	413	97 -	1	413	50595	51005

UN25193	Rsa1.0.01633.1	986	41868	0	401	416	96 -	2	415	3035	3449
UN25194	Rsa1.0.02449.1	1097	31292	7.00E-92	196	200	98 -	899	1096	13261	13459
UN25195	Rsa1.0.04224.1	952	18402	1.00E-154	337	353	95 -	1	351	710	1057
UN25196	Rsa1.0.00273.1	975	326186	0	456	482	94 +	123	603	26599	27078
UN25197	Rsa1.0.01039.1	1448	55946	0	394	404	97 -	3	405	1886	2289
UN25198	Rsa1.0.01180.1	559	51517	1.00E-127	299	324	92 +	1	309	38958	39279
UN25199	Rsa1.0.00153.1	753	192931	1.00E-157	334	350	95 -	404	751	149983	150323
UN25200	Rsa1.0.02333.1	547	32431	0	330	332	99 -	1	330	29979	30310
UN25201	Rsa1.0.00467.1	833	156542	0	830	831	99 +	3	833	92923	93753
UN25202	Rsa1.0.15363.1	588	2655	0	543	570	95 +	11	580	1704	2273
UN25203	Rsa1.0.04355.1	635	146733	1.00E-138	313	333	93 -	277	608	14339	14671
UN25204	Rsa1.0.00469.1	1636	82084	0	719	724	99 +	910	1633	48767	49486
UN25205	Rsa1.0.24219.1	790	999	1.00E-27	95	104	91 +	60	163	605	702
UN25206	Rsa1.0.00290.1	775	225096	1.00E-144	288	296	97 -	6	300	159826	160121
UN25207	Rsa1.0.00597.1	811	73445	0	620	628	98 +	186	811	1148	1775
UN25208	Rsa1.0.04630.1	764	16595	0	420	420	100 -	344	763	14476	14895
UN25209	Rsa1.0.03550.1	1318	22154	0	460	495	92 -	814	1307	5205	5681
UN25210	Rsa1.0.00296.1	1205	97854	0	394	394	100 +	3	396	51433	51826
UN25211	Rsa1.0.10877.1	1645	5693	0	1585	1613	98 -	2	1614	1	1610
UN25212	Rsa1.0.04415.1	795	147889	0	560	560	100 +	1	560	132346	132905
UN25213	Rsa1.0.02223.1	1094	152421	0	422	440	95 +	655	1094	17952	18387
UN25214	Rsa1.0.00751.1	811	65759	1.00E-110	211	214	98 -	94	307	43442	43655
UN25215	Rsa1.0.01232.1	767	155185	0	353	362	97 -	242	603	108857	109218
UN25216	Rsa1.0.01606.1	803	42432	1.00E-118	219	220	99 -	313	532	18157	18376
UN25217	Rsa1.0.01153.1	1214	52264	0	1045	1158	90 +	3	1157	49073	50226
UN25218	Rsa1.0.00118.1	1424	130637	0	666	667	99 +	758	1424	29905	30570
UN25219	Rsa1.0.01012.1	1095	56836	0	489	524	93 +	296	816	30849	31372
UN25220	Rsa1.0.02043.1	1484	163754	0	477	483	98 -	376	854	145937	146419
UN25221	Rsa1.0.00035.1	1048	176449	1.00E-161	354	371	95 +	674	1043	156806	157172
UN25222	Rsa1.0.00076.1	930	146021	0	413	426	96 +	506	929	76300	76714
UN25223	Rsa1.0.02518.1	1103	30586	0	354	357	99 -	3	359	29328	29684
UN25224	Rsa1.0.00360.1	725	91190	1.00E-86	169	171	98 +	257	427	46323	46493
UN25225	Rsa1.0.00016.1	1214	831256	0	477	477	100 +	394	870	253037	253513
UN25226	Rsa1.0.05418.1	500	13816	1.00E-139	250	250	100 -	251	500	1476	1725
UN25227	Rsa1.0.00025.1	1083	277312	1.00E-177	315	315	100 +	1	315	134682	134996
UN25228	Rsa1.0.00161.1	1364	116891	0	520	541	96 +	718	1258	26063	26603
UN25229	Rsa1.0.00252.1	855	102760	1.00E-145	386	422	91 -	2	417	44777	45186
UN25230	Rsa1.0.00577.1	1373	174827	0	471	488	96 -	5	492	151072	151556
UN25231	Rsa1.0.00662.1	916	192183	9.00E-94	188	191	98 -	713	903	32233	32422

UN25232	Rsa1.0.00211.1	1008	228189	1.00E-119	235	240	97 -	13	250	180454	180693
UN25233	Rsa1.0.00909.1	1218	59976	0	704	704	100 +	1	704	24870	25573
UN25234	Rsa1.0.01403.1	1195	46453	0	488	510	95 -	683	1188	32134	32639
UN25235	Rsa1.0.00002.1	1072	601661	0	372	380	97 -	686	1065	264135	264511
UN25236	Rsa1.0.03344.1	756	23593	0	679	681	99 -	3	683	15207	15887
UN25237	Rsa1.0.01696.1	1114	301850	3.00E-97	239	257	92 +	858	1108	32637	32893
UN25238	Rsa1.0.00301.1	1591	365315	0	447	468	95 -	207	669	195261	195717
UN25239	Rsa1.0.00628.1	962	214360	0	427	436	97 +	16	450	203568	204000
UN25240	Rsa1.0.00737.1	1057	66432	0	350	354	98 -	704	1057	14220	14573
UN25241	Rsa1.0.14912.1	878	2970	1.00E-120	314	343	91 +	535	876	1944	2285
UN25242	Rsa1.0.02053.1	1422	35554	0	400	400	100 +	1023	1422	29006	29405
UN25243	Rsa1.0.07894.1	591	8347	0	571	591	96 +	5	591	5605	6193
UN25244	Rsa1.0.00734.1	1020	66508	8.00E-70	164	171	95 -	848	1017	14209	14378
UN25245	Rsa1.0.00178.1	596	114861	1.00E-134	251	254	98 -	343	596	98489	98742
UN25246	Rsa1.0.00173.1	903	288743	1.00E-100	203	206	98 -	1	206	110433	110636
UN25247	Rsa1.0.07591.1	1885	9060	0	891	892	99 +	995	1885	1287	2178
UN25248	Rsa1.0.00066.1	449	152418	2.00E-65	133	135	98 +	196	330	140160	140294
UN25249	Rsa1.0.00025.1	1089	277312	0	805	857	93 +	241	1088	64911	65753
UN25250	Rsa1.0.02934.1	1159	26627	0	959	1044	91 +	94	1129	23252	24283
UN25251	Rsa1.0.00227.1	1165	105849	1.00E-149	357	381	93 +	2	378	102221	102596
UN25252	Rsa1.0.01440.1	500	45807	1.00E-176	319	321	99 -	119	439	6071	6391
UN25253	Rsa1.0.00038.1	1087	314568	1.00E-145	417	464	89 +	1	460	252455	252902
UN25254	Rsa1.0.00112.1	986	132199	1.00E-179	390	413	94 -	390	799	116397	116809
UN25255	Rsa1.0.02976.1	583	26315	1.00E-104	196	197	99 +	385	581	18887	19083
UN25256	Rsa1.0.00159.1	894	431686	0	854	869	98 -	34	894	244966	245834
UN25257	Rsa1.0.01655.1	1280	41508	0	453	479	94 +	812	1280	6342	6820
UN25258	Rsa1.0.00642.1	1417	201230	0	1013	1013	100 +	403	1415	157947	158959
UN25259	Rsa1.0.15602.1	1329	2523	0	784	784	100 +	546	1329	1648	2431
UN25260	Rsa1.0.00111.1	958	390088	1.00E-179	380	403	94 -	568	958	5943	6345
UN25261	Rsa1.0.16965.1	595	1971	2.00E-93	226	238	94 -	1	235	1247	1483
UN25262	Rsa1.0.12720.1	1087	5145	0	751	756	99 +	305	1060	80	835
UN25263	Rsa1.0.05800.1	985	141392	0	463	478	96 +	1	477	133088	133561
UN25264	Rsa1.0.01440.1	783	45807	0	697	719	96 -	66	783	13755	14471
UN25265	Rsa1.0.00559.1	1307	190486	0	1031	1233	83 -	80	1304	181738	182958
UN25266	Rsa1.0.00243.1	725	103651	1.00E-156	299	305	98 -	3	307	23261	23562
UN25267	Rsa1.0.02756.1	1034	28202	1.00E-102	213	219	97 +	816	1033	20365	20580
UN25268	Rsa1.0.00020.1	679	283099	1.00E-119	256	269	95 -	91	359	76615	76883
UN25269	Rsa1.0.00034.1	1335	260119	0	610	672	90 +	506	1173	129833	130504
UN25270	Rsa1.0.00340.1	1161	305782	0	486	488	99 -	671	1158	132832	133318

UN25271	Rsa1.0.00679.1	1097	68971	0	974	1062	91 +	23	1080	575	1584
UN25272	Rsa1.0.00656.1	943	69968	1.00E-115	250	265	94 -	679	943	49253	49506
UN25273	Rsa1.0.00301.1	793	365315	1.00E-138	337	361	93 +	25	379	27842	28188
UN25274	Rsa1.0.00791.1	741	64201	0	422	425	99 -	308	732	30443	30865
UN25275	Rsa1.0.30745.1	1226	746	1.00E-117	504	592	85 +	646	1224	144	713
UN25276	Rsa1.0.00033.1	1194	515811	0	1183	1192	99 +	3	1194	465	1655
UN25277	Rsa1.0.00231.1	1400	105381	0	383	398	96 -	1	397	20793	21188
UN25278	Rsa1.0.13828.1	772	4254	0	515	516	99 -	254	769	2001	2516
UN25279	Rsa1.0.05166.1	754	14624	0	748	754	99 -	1	754	6935	7688
UN25280	Rsa1.0.00711.1	885	67223	0	342	342	100 +	1	342	6580	6921
UN25281	Rsa1.0.03028.1	1119	25872	1.00E-129	273	285	95 +	82	363	20174	20458
UN25282	Rsa1.0.01448.1	1128	45645	0	863	881	97 -	248	1127	20603	21478
UN25283	Rsa1.0.00019.1	1089	301669	1.00E-116	262	278	94 +	380	657	238712	238986
UN25284	Rsa1.0.06795.1	1127	10346	0	366	373	98 +	286	658	5037	5409
UN25285	Rsa1.0.00539.1	1835	76926	0	654	654	100 +	1180	1833	56646	57299
UN25286	Rsa1.0.00592.1	1618	73788	0	1581	1618	97 -	1	1617	61632	63232
UN25287	Rsa1.0.02299.1	849	32857	6.00E-98	220	231	95 -	30	259	23200	23426
UN25288	Rsa1.0.00586.1	786	163802	1.00E-67	233	267	87 +	257	523	108888	109154
UN25289	Rsa1.0.00069.1	775	403561	1.00E-126	263	273	96 +	3	275	15265	15535
UN25290	Rsa1.0.00287.1	966	98687	0	652	730	89 +	12	736	53355	54084
UN25291	Rsa1.0.00052.1	943	162771	0	574	603	95 -	343	943	52170	52767
UN25292	Rsa1.0.00064.1	954	240927	0	710	738	96 -	220	954	119438	120162
UN25293	Rsa1.0.01551.1	751	43411	0	408	410	99 +	3	412	2567	2976
UN25294	Rsa1.0.01184.1	1068	51452	0	381	383	99 +	217	599	26949	27331
UN25295	Rsa1.0.02884.1	712	27034	1.00E-156	338	355	95 +	1	354	18810	19152
UN25296	Rsa1.0.00626.1	1360	71582	0	389	404	96 -	631	1034	52410	52813
UN25297	Rsa1.0.02288.1	649	32984	1.00E-163	292	292	100 +	358	649	14023	14314
UN25298	Rsa1.0.00528.1	1009	164755	0	659	678	97 +	1	677	109344	110021
UN25299	Rsa1.0.01217.1	1339	50554	0	575	581	98 +	346	926	13414	13994
UN25300	Rsa1.0.02070.1	1025	158516	1.00E-172	321	325	98 -	1	323	145612	145936
UN25301	Rsa1.0.00078.1	1145	175053	0	425	428	99 -	378	805	101013	101438
UN25302	Rsa1.0.02666.1	1042	28915	1.00E-173	312	313	99 -	1	313	24580	24892
UN25303	#	#	#	#	#	#	#	#	#	#	#
UN25304	Rsa1.0.01513.1	1811	44234	0	821	823	99 -	990	1811	2347	3169
UN25305	Rsa1.0.00183.1	1321	113277	1.00E-111	270	287	94 -	153	437	67155	67437
UN25306	Rsa1.0.00034.1	1492	260119	0	417	418	99 +	1	418	77390	77807
UN25307	Rsa1.0.00340.1	662	305782	1.00E-177	368	383	96 -	288	662	159714	160093
UN25308	Rsa1.0.00752.1	1408	65756	0	392	412	95 +	21	432	49490	49901
UN25309	Rsa1.0.00015.1	790	561803	0	530	531	99 -	3	533	550649	551179

UN25310	Rsa1.0.06774.1	1141	10381	0	682	702	97 -	5	706	3738	4433
UN25311	Rsa1.0.00116.1	1187	365886	1.00E-142	302	316	95 -	829	1144	36668	36982
UN25312	Rsa1.0.05570.1	887	13301	1.00E-160	381	402	94 -	5	401	12649	13047
UN25313	Rsa1.0.01740.1	1159	39986	0	446	462	96 +	365	825	13886	14344
UN25314	Rsa1.0.00097.1	1016	138858	0	544	551	98 +	460	1007	42576	43124
UN25315	Rsa1.0.00016.1	658	831256	0	649	650	99 +	5	654	175603	176252
UN25316	Rsa1.0.00517.1	825	142790	4.00E-99	184	184	100 -	560	743	69292	69475
UN25317	Rsa1.0.00788.1	1009	64237	0	472	472	100 -	537	1008	4302	4773
UN25318	Rsa1.0.00571.1	1374	329018	0	808	837	96 -	72	906	204578	205413
UN25319	Rsa1.0.00392.1	1287	88523	0	1161	1257	92 -	46	1284	82889	84141
UN25320	Rsa1.0.07577.1	1301	9092	0	521	546	95 -	1	546	7519	8061
UN25321	Rsa1.0.01575.1	1139	42924	1.00E-129	241	243	99 +	511	753	25407	25649
UN25322	Rsa1.0.02769.1	1048	28107	0	439	443	99 -	8	450	9897	10339
UN25323	Rsa1.0.00421.1	658	86365	1.00E-177	368	386	95 +	1	386	44734	45113
UN25324	Rsa1.0.00013.1	841	292129	0	611	616	99 -	226	841	191213	191828
UN25325	Rsa1.0.04288.1	804	18077	0	419	420	99 -	1	419	13754	14173
UN25326	Rsa1.0.00660.1	570	69688	1.00E-104	217	224	96 +	13	236	15771	15993
UN25327	Rsa1.0.07044.1	1192	9986	0	635	637	99 +	1	636	134	770
UN25328	Rsa1.0.00616.1	488	195713	0	464	482	96 +	7	484	146209	146688
UN25329	Rsa1.0.06213.1	754	11478	0	483	522	92 +	233	753	7641	8135
UN25330	Rsa1.0.02494.1	708	132923	1.00E-175	384	404	95 +	3	403	110135	110533
UN25331	Rsa1.0.00296.1	1211	97854	1.00E-157	371	404	91 +	3	397	51437	51825
UN25332	Rsa1.0.00218.1	634	201480	1.00E-140	274	281	97 +	205	485	170910	171190
UN25333	Rsa1.0.00008.1	1472	358124	0	1033	1050	98 +	423	1472	281884	282928
UN25334	Rsa1.0.00323.1	1785	159650	0	508	512	99 -	3	514	13045	13556
UN25335	Rsa1.0.01012.1	1148	56836	0	618	621	99 +	1	621	19153	19773
UN25336	Rsa1.0.00122.1	912	265937	1.00E-113	213	215	99 -	38	252	100614	100828
UN25337	Rsa1.0.00026.1	1362	327835	0	574	575	99 +	531	1105	43975	44549
UN25338	Rsa1.0.00048.1	998	167185	1.00E-129	237	238	99 -	760	997	84810	85047
UN25339	Rsa1.0.00817.1	1157	62961	0	929	964	96 -	1	964	57676	58639
UN25340	Rsa1.0.02379.1	791	150705	0	383	383	100 +	329	711	140540	140922
UN25341	Rsa1.0.01058.1	1334	55430	1.00E-140	281	289	97 -	532	819	17057	17345
UN25342	Rsa1.0.02256.1	1050	33329	0	428	435	98 +	616	1049	15140	15571
UN25343	Rsa1.0.01978.1	837	36546	0	712	719	99 +	3	720	27001	27719
UN25344	Rsa1.0.00015.1	1328	561803	0	420	429	97 +	1	429	178685	179113
UN25345	Rsa1.0.01304.1	456	48790	0	367	367	100 +	2	368	38011	38377
UN25346	Rsa1.0.00026.1	694	327835	1.00E-144	364	395	92 -	313	693	209430	209819
UN25347	Rsa1.0.02791.1	1542	27832	0	497	527	94 -	1	513	7700	8224
UN25348	Rsa1.0.04382.1	776	17635	0	588	594	98 -	182	775	4803	5396

UN25349	Rsa1.0.01489.1	1147	44764	0	340	342	99 +	1	342	38120	38460
UN25350	Rsa1.0.02966.1	960	135126	0	474	488	97 +	466	952	17972	18455
UN25351	Rsa1.0.00131.1	1354	432233	0	729	731	99 +	622	1352	121577	122307
UN25352	Rsa1.0.00646.1	1286	70473	1.00E-115	232	239	97 +	293	531	8478	8716
UN25353	Rsa1.0.04111.1	539	18991	0	498	529	94 -	18	538	11207	11732
UN25354	Rsa1.0.00003.1	703	340054	0	509	536	94 +	3	534	326257	326791
UN25355	Rsa1.0.00040.1	956	324196	0	854	900	94 +	2	892	223985	224883
UN25356	#	#	#	#	#	#	#	#	#	#	#
UN25357	Rsa1.0.00014.1	1160	348985	1.00E-154	531	622	85 +	1	600	331475	332065
UN25358	Rsa1.0.07105.1	796	9886	0	353	362	97 +	121	482	1485	1845
UN25359	Rsa1.0.00015.1	852	561803	0	488	504	96 +	15	517	362038	362533
UN25360	Rsa1.0.00539.1	1488	76926	0	1242	1292	96 +	209	1487	67748	69029
UN25361	Rsa1.0.00180.1	895	114581	1.00E-125	236	238	99 +	660	895	61516	61753
UN25362	Rsa1.0.03225.1	1205	24500	0	446	452	98 +	754	1205	20705	21153
UN25363	Rsa1.0.00063.1	1158	156150	0	541	557	97 +	554	1110	142261	142817
UN25364	Rsa1.0.06619.1	771	10650	1.00E-165	344	358	96 +	3	358	515	871
UN25365	Rsa1.0.02397.1	734	31778	0	545	548	99 +	6	553	12342	12888
UN25366	Rsa1.0.00744.1	646	66084	1.00E-125	304	327	92 +	325	646	32778	33102
UN25367	Rsa1.0.06160.1	1376	11596	0	455	486	93 +	277	762	10936	11421
UN25368	Rsa1.0.04340.1	776	17831	1.00E-159	355	376	94 +	402	775	16410	16780
UN25369	Rsa1.0.00025.1	774	277312	0	450	450	100 +	325	774	148902	149351
UN25370	Rsa1.0.04126.1	546	18939	0	364	373	97 -	3	375	15519	15888
UN25371	Rsa1.0.02648.1	686	29073	3.00E-90	226	246	91 +	362	605	12514	12743
UN25372	Rsa1.0.01777.1	737	39511	0	352	354	99 +	2	353	21598	21951
UN25373	Rsa1.0.00189.1	1284	111830	0	376	377	99 -	3	379	57598	57974
UN25374	Rsa1.0.00098.1	803	349239	0	500	508	98 +	222	729	230056	230563
UN25375	Rsa1.0.02353.1	1537	32300	0	866	869	99 +	2	869	29834	30701
UN25376	Rsa1.0.41277.1	907	544	0	544	544	100 +	218	761	1	544
UN25377	Rsa1.0.02157.1	894	149652	1.00E-144	306	322	95 -	568	888	12807	13118
UN25378	Rsa1.0.00008.1	912	358124	0	468	480	97 +	1	479	90112	90591
UN25379	Rsa1.0.04220.1	840	18421	0	490	515	95 -	328	839	9471	9982
UN25380	Rsa1.0.00583.1	714	74309	1.00E-163	325	336	96 +	256	591	71950	72285
UN25381	Rsa1.0.00094.1	972	139042	0	411	432	95 -	537	968	39858	40286
UN25382	Rsa1.0.03473.1	969	22665	0	685	708	96 -	260	965	7835	8532
UN25383	Rsa1.0.00251.1	615	303968	1.00E-121	339	371	91 +	253	615	128883	129248
UN25384	Rsa1.0.66827.1	772	343	1.00E-154	300	308	97 +	275	582	36	343
UN25385	Rsa1.0.03012.1	1088	26042	1.00E-158	305	311	98 -	772	1081	8099	8409
UN25386	Rsa1.0.01977.1	449	36559	1.00E-167	347	361	96 +	82	442	23094	23452
UN25387	Rsa1.0.02515.1	1539	30616	0	412	447	92 -	10	456	29932	30346

UN25388	Rsa1.0.01667.1	1126	41315	1.00E-170	304	304	100 -	3	306	9678	9981
UN25389	Rsa1.0.00395.1	552	214466	1.00E-144	293	303	96 -	253	552	202697	202995
UN25390	Rsa1.0.06229.1	903	11439	0	480	481	99 -	1	481	8749	9229
UN25391	Rsa1.0.00198.1	832	222963	0	823	830	99 +	1	830	108590	109418
UN25392	Rsa1.0.41382.1	1027	543	1.00E-163	353	372	94 +	174	542	1	369
UN25393	Rsa1.0.00801.1	1178	63861	1.00E-136	311	334	93 -	28	358	24598	24919
UN25394	Rsa1.0.00284.1	628	323267	1.00E-155	311	321	96 +	168	488	241863	242177
UN25395	Rsa1.0.00001.1	1089	363028	0	1082	1085	99 -	1	1085	153214	154297
UN25396	Rsa1.0.00038.1	819	314568	1.00E-141	344	371	92 -	449	818	232869	233229
UN25397	Rsa1.0.02268.1	1001	33172	0	661	700	94 -	2	680	29896	30593
UN25398	Rsa1.0.00214.1	509	107508	1.00E-158	283	283	100 -	227	509	6317	6599
UN25399	Rsa1.0.07581.1	549	9084	1.00E-112	234	242	96 +	177	412	5224	5465
UN25400	Rsa1.0.14560.1	1613	3267	0	364	365	99 -	1249	1613	1368	1731
UN25401	Rsa1.0.00039.1	667	296927	0	629	644	97 +	3	646	92	735
UN25402	Rsa1.0.01482.1	734	44855	0	465	473	98 -	262	734	17827	18299
UN25403	Rsa1.0.00524.1	902	169613	1.00E-133	292	307	95 -	588	890	133317	133623
UN25404	Rsa1.0.01393.1	1254	46661	0	608	608	100 -	641	1248	25492	26099
UN25405	Rsa1.0.00407.1	979	191544	0	975	977	99 +	3	979	176613	177589
UN25406	Rsa1.0.00030.1	1045	250988	1.00E-163	444	494	89 +	3	471	210840	211330
UN25407	Rsa1.0.09048.1	706	6683	0	636	666	95 -	4	662	5245	5909
UN25408	Rsa1.0.01537.1	2092	187285	0	452	459	98 +	1	459	175370	175826
UN25409	Rsa1.0.00015.1	1633	561803	0	457	458	99 -	3	460	217939	218396
UN25410	Rsa1.0.00008.1	1114	358124	0	896	993	90 +	143	1112	72898	73866
UN25411	Rsa1.0.04396.1	1502	17561	1.00E-155	278	278	100 -	598	875	12194	12471
UN25412	Rsa1.0.01104.1	797	285480	0	516	533	96 -	269	797	130245	130777
UN25413	Rsa1.0.01920.1	1193	158533	0	1039	1137	91 -	52	1171	22526	23659
UN25414	Rsa1.0.02343.1	503	32374	2.00E-96	200	207	96 +	30	236	1046	1252
UN25415	Rsa1.0.00031.1	977	179862	0	518	524	98 -	452	975	23182	23703
UN25416	Rsa1.0.00628.1	821	214360	0	455	478	95 -	1	476	20466	20936
UN25417	Rsa1.0.03718.1	821	21195	0	483	486	99 -	334	819	451	935
UN25418	Rsa1.0.08170.1	907	7799	0	851	874	97 +	1	872	1622	2489
UN25419	Rsa1.0.26360.1	760	895	0	610	610	100 -	4	613	1	610
UN25420	Rsa1.0.00208.1	620	108565	0	599	619	96 +	6	619	20226	20843
UN25421	Rsa1.0.01077.1	1036	54772	0	482	515	93 +	2	507	10830	11340
UN25422	Rsa1.0.00048.1	1270	167185	0	515	522	98 +	439	960	109464	109985
UN25423	Rsa1.0.00659.1	915	69733	0	535	581	92 +	360	915	20560	21140
UN25424	Rsa1.0.08192.1	899	7762	0	463	464	99 -	436	899	2230	2693
UN25425	Rsa1.0.01991.1	1315	36425	1.00E-127	243	247	98 +	9	255	9836	10082
UN25426	Rsa1.0.04396.1	1398	17561	1.00E-133	269	278	96 -	637	914	12194	12471

UN25427	Rsa1.0.35485.1	1048	638	0	384	398	96 +	551	943	242	638
UN25428	Rsa1.0.00951.1	634	164588	0	627	632	99 -	3	634	143857	144486
UN25429	Rsa1.0.02200.1	833	33981	0	630	632	99 +	202	833	24074	24705
UN25430	Rsa1.0.00018.1	893	410899	0	733	741	98 -	153	893	154321	155060
UN25431	Rsa1.0.00418.1	1189	215377	0	333	335	99 +	4	338	55187	55521
UN25432	Rsa1.0.00131.1	777	432233	0	529	533	99 -	245	776	384409	384941
UN25433	Rsa1.0.02305.1	569	32783	0	539	578	93 +	1	566	22432	23009
UN25434	Rsa1.0.00928.1	986	59293	1.00E-101	191	192	99 -	795	986	30828	31019
UN25435	Rsa1.0.02319.1	805	32580	1.00E-158	283	283	100 +	25	307	15669	15951
UN25436	Rsa1.0.00303.1	824	97468	0	490	505	97 +	1	505	65968	66471
UN25437	Rsa1.0.00853.1	696	62101	0	438	438	100 -	252	689	33193	33630
UN25438	Rsa1.0.02398.1	1165	31766	1.00E-153	484	557	86 +	619	1165	29870	30391
UN25439	Rsa1.0.02111.1	1859	34913	0	611	614	99 -	1	614	8921	9534
UN25440	Rsa1.0.02600.1	789	29657	0	476	499	95 -	3	491	27845	28339
UN25441	Rsa1.0.02732.1	700	28372	4.00E-15	67	75	89 +	254	328	769	843
UN25442	Rsa1.0.50228.1	859	452	1.00E-157	284	285	99 +	571	855	40	324
UN25443	Rsa1.0.02152.1	727	34558	0	592	627	94 +	3	619	26442	27067
UN25444	Rsa1.0.00379.1	923	89865	1.00E-104	199	201	99 -	1	201	52412	52612
UN25445	Rsa1.0.08338.1	809	7511	1.00E-129	252	258	97 +	254	511	1653	1910
UN25446	Rsa1.0.02456.1	828	31222	0	821	824	99 -	2	825	14598	15421
UN25447	Rsa1.0.00909.1	746	59976	1.00E-175	331	336	98 +	315	650	43852	44186
UN25448	Rsa1.0.04652.1	779	16515	0	458	471	97 -	13	483	10530	11000
UN25449	Rsa1.0.01606.1	683	42432	1.00E-134	279	289	96 +	395	683	29730	30010
UN25450	Rsa1.0.00522.1	694	78103	4.00E-77	156	159	98 -	155	313	60908	61066
UN25451	Rsa1.0.00741.1	1340	66117	1.00E-124	258	267	96 -	1075	1340	46349	46610
UN25452	Rsa1.0.05866.1	1027	12376	0	628	635	98 +	15	648	3894	4525
UN25453	Rsa1.0.00991.1	1210	143101	0	524	554	94 +	659	1210	34643	35188
UN25454	Rsa1.0.00096.1	1106	198773	1.00E-175	367	383	95 +	2	383	135997	136372
UN25455	Rsa1.0.00093.1	1240	214962	1.00E-81	179	186	96 +	1	184	97789	97974
UN25456	Rsa1.0.01903.1	1108	37451	0	339	340	99 +	1	340	13871	14210
UN25457	Rsa1.0.00963.1	950	58176	2.00E-64	201	223	90 +	1	223	26329	26545
UN25458	Rsa1.0.01655.1	777	41508	1.00E-125	299	321	93 -	452	771	6908	7220
UN25459	Rsa1.0.07379.1	681	9492	4.00E-77	214	235	91 +	445	678	3308	3532
UN25460	Rsa1.0.00190.1	897	318240	0	451	472	95 -	419	882	314315	314786
UN25461	Rsa1.0.04218.1	730	18423	1.00E-144	316	334	94 -	397	730	16987	17308
UN25462	Rsa1.0.01130.1	1387	52929	0	499	504	99 +	364	867	33983	34486
UN25463	Rsa1.0.10909.1	639	5681	0	439	471	93 -	11	477	79	549
UN25464	Rsa1.0.00152.1	884	257730	1.00E-104	227	238	95 -	629	862	96226	96463
UN25465	Rsa1.0.02874.1	723	27070	0	526	532	98 +	157	686	16196	16727

UN25466	Rsa1.0.00387.1	1000	495407	1.00E-172	406	433	93 +	40	468	349171	349601
UN25467	Rsa1.0.03204.1	1078	24622	1.00E-159	442	497	88 -	227	686	6071	6561
UN25468	Rsa1.0.07831.1	866	8461	0	849	864	98 -	1	864	4689	5551
UN25469	Rsa1.0.01390.1	627	46695	2.33E-156	331	356	92 -	48	403	5259	5602
UN25470	Rsa1.0.06136.1	724	11659	0	571	581	98 +	143	723	2141	2720
UN25471	Rsa1.0.00323.1	1244	159650	0	505	510	99 -	2	511	13045	13554
UN25472	Rsa1.0.13975.1	730	3968	1.00E-165	295	295	100 +	228	522	1537	1831
UN25473	Rsa1.0.02513.1	1019	30643	0	553	553	100 +	465	1017	29577	30129
UN25474	Rsa1.0.04318.1	1237	17947	1.00E-129	234	234	100 +	2	235	4046	4279
UN25475	Rsa1.0.00179.1	654	393324	1.00E-148	312	325	96 -	1	325	63299	63620
UN25476	Rsa1.0.01015.1	824	56752	0	447	464	96 +	368	824	7528	7990
UN25477	Rsa1.0.00145.1	1306	261008	0	374	385	97 -	1	379	247625	248009
UN25478	Rsa1.0.00945.1	790	58714	0	588	594	98 -	3	594	51533	52125
UN25479	Rsa1.0.00071.1	629	345714	0	607	627	96 +	1	625	41937	42559
UN25480	Rsa1.0.03908.1	710	20151	0	334	336	99 -	375	710	19816	20151
UN25481	Rsa1.0.00570.1	938	75002	0	359	360	99 +	578	937	3251	3610
UN25482	Rsa1.0.07021.1	1090	10016	1.00E-147	315	334	94 -	409	730	7093	7426
UN25483	Rsa1.0.00351.1	845	413096	1.00E-122	246	254	96 +	306	559	266861	267114
UN25484	Rsa1.0.00341.1	649	249309	1.00E-150	270	270	100 -	380	649	123970	124239
UN25485	Rsa1.0.01649.1	1313	41624	1.00E-109	233	241	96 -	2	241	37920	38158
UN25486	Rsa1.0.00697.1	1429	67913	0	822	877	93 +	2	868	42237	43113
UN25487	Rsa1.0.01090.1	643	54385	0	503	510	98 +	1	510	7042	7548
UN25488	Rsa1.0.09577.1	1305	6275	0	652	655	99 -	237	888	1281	1935
UN25489	Rsa1.0.00025.1	1801	277312	0	785	792	99 -	1	791	265538	266329
UN25490	Rsa1.0.03728.1	1406	21147	0	501	530	94 +	11	540	3486	4003
UN25491	Rsa1.0.00162.1	815	239935	0	780	815	95 +	3	815	14921	15716
UN25492	Rsa1.0.02726.1	1161	28404	0	404	422	95 +	746	1161	22727	23146
UN25493	Rsa1.0.04066.1	590	19262	0	369	373	98 +	4	376	7121	7493
UN25494	Rsa1.0.00378.1	1150	89892	0	635	669	94 -	2	661	48520	49172
UN25495	Rsa1.0.03178.1	599	24798	5.00E-48	113	118	95 -	38	155	9993	10110
UN25496	Rsa1.0.04169.1	1260	18712	0	453	455	99 -	806	1260	1006	1460
UN25497	Rsa1.0.15320.1	723	2688	0	513	518	99 -	199	716	741	1254
UN25498	Rsa1.0.03572.1	548	146346	1.00E-171	304	304	100 -	3	306	137177	137480
UN25499	Rsa1.0.06516.1	812	10866	1.00E-98	192	195	98 +	245	439	6415	6609
UN25500	Rsa1.0.43953.1	1094	511	0	441	442	99 +	271	712	70	511
UN25501	Rsa1.0.01297.1	807	49029	0	458	460	99 -	347	806	30626	31085
UN25502	Rsa1.0.00453.1	683	83031	1.00E-115	398	461	86 +	1	449	27529	27974
UN25503	Rsa1.0.31902.1	473	715	1.00E-133	240	240	100 -	159	398	1	240
UN25504	Rsa1.0.00813.1	832	63202	0	787	815	96 -	9	822	18501	19314

UN25505	Rsa1.0.00431.1	1469	85391	0	421	446	94 +	1028	1469	16430	16868
UN25506	Rsa1.0.01561.1	1015	43227	1.00E-130	294	311	94 -	703	1010	27521	27826
UN25507	Rsa1.0.00005.1	1419	353093	1.00E-171	410	441	92 -	980	1419	143852	144275
UN25508	Rsa1.0.00007.1	717	239325	1.00E-169	331	341	97 -	129	469	209156	209496
UN25509	Rsa1.0.00508.1	722	194352	0	333	334	99 -	389	722	186858	187191
UN25510	Rsa1.0.00192.1	746	278200	0	342	343	99 +	84	426	26743	27085
UN25511	Rsa1.0.00945.1	1664	58714	0	658	660	99 -	885	1544	50045	50704
UN25512	Rsa1.0.00336.1	765	445051	9.00E-69	133	133	100 +	216	348	305579	305711
UN25513	Rsa1.0.02131.1	887	34754	0	882	883	99 -	5	887	17969	18851
UN25514	Rsa1.0.02855.1	980	27271	0	829	901	92 -	3	886	10359	11241
UN25515	Rsa1.0.04884.1	859	15599	0	365	370	98 +	490	859	9289	9655
UN25516	Rsa1.0.00472.1	1423	398134	0	389	403	96 +	465	867	166818	167220
UN25517	Rsa1.0.00554.1	736	150953	1.00E-109	262	283	92 +	49	331	119424	119694
UN25518	Rsa1.0.00250.1	1882	273771	0	509	538	94 -	690	1209	230593	231129
UN25519	Rsa1.0.11160.1	757	5600	1.00E-152	273	273	100 +	484	756	1870	2142
UN25520	Rsa1.0.00869.1	704	61627	0	363	367	98 -	339	704	13380	13746
UN25521	Rsa1.0.04614.1	1389	16641	0	369	371	99 +	3	373	6637	7007
UN25522	Rsa1.0.00055.1	674	520193	1.00E-115	300	326	92 -	353	674	153916	154237
UN25523	Rsa1.0.00008.1	767	358124	0	435	437	99 +	329	765	28198	28634
UN25524	Rsa1.0.01774.1	733	39528	1.00E-155	287	290	98 -	444	733	23042	23331
UN25525	Rsa1.0.04886.1	920	15597	0	903	920	98 -	2	920	8199	9118
UN25526	Rsa1.0.00265.1	724	220635	1.00E-110	295	323	91 -	4	325	195834	196155
UN25527	Rsa1.0.00978.1	1188	57739	0	581	604	96 -	17	611	26879	27481
UN25528	Rsa1.0.03399.1	1412	23204	0	1401	1411	99 +	3	1412	3509	4919
UN25529	Rsa1.0.00052.1	920	162771	0	651	654	99 +	2	655	150425	151078
UN25530	Rsa1.0.01494.1	1726	44641	0	1254	1256	99 +	3	1257	34269	35524
UN25531	Rsa1.0.02748.1	774	28242	0	440	442	99 +	1	442	11621	12062
UN25532	Rsa1.0.09946.1	1482	6076	0	560	564	99 -	253	815	516	1079
UN25533	Rsa1.0.04248.1	1549	18287	0	553	587	94 +	967	1549	5963	6538
UN25534	Rsa1.0.00081.1	634	143261	0	597	643	92 -	6	634	123489	124125
UN25535	Rsa1.0.00304.1	999	97429	0	959	972	98 +	3	974	8657	9621
UN25536	Rsa1.0.00374.1	675	165738	0	364	371	98 +	1	371	128292	128662
UN25537	Rsa1.0.00146.1	898	149343	1.00E-180	404	429	94 -	473	898	53955	54375
UN25538	Rsa1.0.02299.1	886	32857	1.00E-142	263	265	99 -	2	266	23200	23464
UN25539	Rsa1.0.00122.1	733	265937	0	472	486	97 +	247	732	30383	30868
UN25540	Rsa1.0.02952.1	604	26492	0	582	602	96 +	1	602	20505	21102
UN25541	Rsa1.0.00716.1	422	67078	7.00E-56	132	139	94 -	73	211	33613	33751
UN25542	Rsa1.0.00125.1	641	253043	1.00E-101	307	346	88 +	294	639	168487	168820
UN25543	Rsa1.0.01553.1	775	43379	1.00E-150	324	343	94 +	341	670	15175	15517

UN25544	Rsa1.0_04085.1	890	19168	0	542	551	98 -	3	553	755	1305
UN25545	Rsa1.0_00201.1	1012	232851	0	606	629	96 -	1	626	131887	132515
UN25546	Rsa1.0_01742.1	985	39962	1.00E-120	319	348	91 +	640	985	6645	6991
UN25547	Rsa1.0_00306.1	879	146760	0	723	725	99 -	1	725	91980	92704
UN25548	Rsa1.0_00959.1	1473	58202	1.00E-180	356	365	97 -	744	1106	1503	1867
UN25549	Rsa1.0_01951.1	671	36941	0	348	352	98 +	4	351	12706	13057
UN25550	Rsa1.0_00632.1	1348	183777	0	1179	1322	89 +	59	1328	36474	37768
UN25551	Rsa1.0_02966.1	1005	135126	0	445	463	96 -	540	1002	17388	17844
UN25552	Rsa1.0_00119.1	651	467509	0	487	512	95 +	137	648	374988	375498
UN25553	Rsa1.0_01437.1	581	45887	0	570	577	98 -	4	580	4478	5051
UN25554	Rsa1.0_05510.1	1161	13470	1.00E-145	298	310	96 +	333	642	1981	2290
UN25555	Rsa1.0_04223.1	923	18407	0	409	423	96 -	1	418	6198	6620
UN25556	Rsa1.0_00184.1	633	218748	1.00E-160	321	331	96 +	2	327	213949	214279
UN25557	Rsa1.0_05822.1	693	12521	0	515	530	97 +	167	693	11655	12182
UN25558	Rsa1.0_00058.1	668	159921	0	492	525	93 +	1	516	49032	49550
UN25559	Rsa1.0_00186.1	814	112669	0	668	705	94 -	3	695	111868	112571
UN25560	Rsa1.0_00012.1	1210	222148	0	443	443	100 -	768	1210	28088	28530
UN25561	Rsa1.0_02835.1	1491	27491	0	360	369	97 +	1	366	9381	9749
UN25562	Rsa1.0_04218.1	705	18423	1.00E-128	331	359	92 +	353	703	12805	13160
UN25563	Rsa1.0_03895.1	770	20206	0	511	545	93 +	1	536	13661	14200
UN25564	Rsa1.0_00347.1	537	93048	0	504	529	95 -	3	527	66839	67359
UN25565	Rsa1.0_03410.1	800	23147	0	605	668	90 +	154	800	10247	10903
UN25566	Rsa1.0_03238.1	816	24432	1.00E-110	249	263	94 -	490	751	12785	13047
UN25567	Rsa1.0_00977.1	554	198001	0	522	564	92 +	3	553	47145	47694
UN25568	Rsa1.0_01046.1	1198	152989	0	1180	1194	98 +	6	1198	116464	117657
UN25569	Rsa1.0_02268.1	828	33172	0	505	506	99 +	323	828	24316	24821
UN25570	Rsa1.0_00538.1	657	77149	1.00E-61	121	121	100 -	472	592	19371	19491
UN25571	Rsa1.0_08828.1	1011	6889	0	592	595	99 -	416	1010	427	1019
UN25572	Rsa1.0_04429.1	1141	17393	0	469	480	97 -	578	1057	16125	16601
UN25573	Rsa1.0_00055.1	1625	520193	0	1345	1431	93 -	5	1393	168864	170294
UN25574	Rsa1.0_00092.1	702	659932	0	689	693	99 -	10	700	16769	17461
UN25575	Rsa1.0_21831.1	852	1169	1.00E-111	230	239	96 -	451	689	793	1025
UN25576	Rsa1.0_00079.1	975	606987	0	677	725	93 +	253	975	488673	489396
UN25577	Rsa1.0_00554.1	650	150953	0	638	650	98 +	1	648	14011	14657
UN25578	Rsa1.0_01556.1	648	163858	0	645	646	99 +	4	648	145273	145918
UN25579	Rsa1.0_03594.1	1380	21868	0	400	405	98 +	974	1378	12933	13337
UN25580	Rsa1.0_20157.1	1285	1333	0	1082	1104	98 +	2	1104	230	1333
UN25581	Rsa1.0_02633.1	171	29315	3.00E-43	110	117	94 +	1	117	655	771
UN25582	Rsa1.0_00394.1	990	148426	0	380	391	97 +	316	706	129296	129686

UN25583	Rsa1.0.01122.1	568	53369	0	470	495	94 -	1	495	41230	41706
UN25584	Rsa1.0.07528.1	650	9195	7.00E-63	175	192	91 -	12	201	1135	1314
UN25585	Rsa1.0.01122.1	1117	53369	0	664	685	96 +	433	1117	28559	29243
UN25586	Rsa1.0.00685.1	720	68515	1.00E-138	288	299	96 +	426	720	2414	2712
UN25587	Rsa1.0.02050.1	793	35570	0	345	351	98 +	1	351	9327	9675
UN25588	Rsa1.0.05140.1	856	14710	1.00E-136	247	247	100 +	1	247	8842	9088
UN25589	Rsa1.0.02050.1	752	35570	1.00E-132	332	362	91 -	391	752	9332	9675
UN25590	Rsa1.0.02246.1	958	33435	0	924	960	96 +	1	958	8754	9705
UN25591	Rsa1.0.01119.1	877	53459	0	871	875	99 -	2	876	4306	5180
UN25592	Rsa1.0.07745.1	1000	8662	0	988	997	99 +	2	998	7464	8458
UN25593	Rsa1.0.00892.1	813	60703	0	774	810	95 +	2	811	48095	48902
UN25594	Rsa1.0.00100.1	867	249232	0	606	665	91 -	105	752	221602	222245
UN25595	Rsa1.0.00629.1	1039	71381	1.00E-156	371	399	92 +	656	1039	38665	39061
UN25596	Rsa1.0.00615.1	1046	72235	0	1028	1043	98 +	1	1043	60743	61785
UN25597	Rsa1.0.00879.1	786	61297	0	751	782	96 -	3	784	53173	53947
UN25598	Rsa1.0.01180.1	764	51517	1.00E-126	337	367	91 -	414	763	33801	34166
UN25599	Rsa1.0.00329.1	789	222544	1.00E-120	300	324	92 +	1	320	178081	178397
UN25600	Rsa1.0.05721.1	941	12821	0	545	549	99 -	2	550	5611	6158
UN25601	Rsa1.0.02941.1	834	26583	0	806	831	96 +	4	832	22066	22894
UN25602	Rsa1.0.00773.1	1459	64839	0	498	506	98 -	816	1321	12562	13067
UN25603	Rsa1.0.01513.1	793	44234	1.00E-108	278	297	93 +	3	294	17205	17498
UN25604	Rsa1.0.02360.1	997	32203	0	534	547	97 -	451	997	24034	24578
UN25605	Rsa1.0.02203.1	676	164532	1.00E-165	306	310	98 +	366	675	27488	27797
UN25606	Rsa1.0.00347.1	876	93048	0	415	439	94 +	440	872	12000	12434
UN25607	Rsa1.0.04142.1	738	18861	0	423	433	97 +	304	736	13126	13558
UN25608	Rsa1.0.04626.1	1137	16611	0	820	822	99 +	1	822	9518	10337
UN25609	Rsa1.0.01951.1	624	36941	1.00E-159	313	321	97 +	300	619	13558	13878
UN25610	Rsa1.0.01695.1	843	40848	0	819	846	96 -	1	838	15373	16218
UN25611	Rsa1.0.00103.1	782	135304	0	778	780	99 +	1	780	116122	116899
UN25612	Rsa1.0.01203.1	821	50848	0	761	798	95 +	20	802	18639	19429
UN25613	Rsa1.0.00552.1	465	206757	6.00E-75	149	151	98 +	279	429	73559	73709
UN25614	Rsa1.0.03107.1	808	25349	0	430	431	99 -	378	808	18515	18945
UN25615	Rsa1.0.25951.1	830	912	0	582	612	95 +	230	830	77	686
UN25616	Rsa1.0.05496.1	688	13533	1.00E-178	365	380	96 +	315	688	456	835
UN25617	Rsa1.0.00025.1	684	277312	0	420	430	97 -	255	684	79958	80384
UN25618	Rsa1.0.02229.1	843	33672	0	467	467	100 +	377	843	2770	3236
UN25619	Rsa1.0.02420.1	666	31580	1.00E-149	289	295	97 +	4	297	7435	7729
UN25620	Rsa1.0.01960.1	804	36766	1.00E-128	269	279	96 -	442	716	5864	6142
UN25621	Rsa1.0.00107.1	681	431659	0	645	683	94 +	1	681	281216	281889

UN25622	Rsa1.0.00213.1	638	108167	1.00E-107	275	297	92 +	346	638	39822	40109
UN25623	Rsa1.0.04002.1	1031	19608	0	493	515	95 -	1	502	17610	18124
UN25624	Rsa1.0.07309.1	950	9572	0	487	514	94 +	438	949	4292	4800
UN25625	Rsa1.0.00028.1	913	293984	0	906	914	99 -	3	913	131795	132708
UN25626	Rsa1.0.04405.1	631	17508	1.00E-138	355	383	92 +	1	376	14239	14619
UN25627	Rsa1.0.00848.1	1197	152362	1.00E-112	249	261	95 -	26	284	19591	19850
UN25628	Rsa1.0.02494.1	1069	132923	0	960	989	97 +	2	987	6063	7046
UN25629	Rsa1.0.01608.1	663	170540	1.00E-174	319	322	99 -	3	324	38412	38733
UN25630	Rsa1.0.04134.1	349	149811	1.00E-151	277	278	99 +	72	349	8952	9228
UN25631	Rsa1.0.02079.1	1106	35306	0	418	432	96 +	3	426	3680	4111
UN25632	Rsa1.0.02991.1	642	26178	4.00E-89	237	257	92 -	5	252	4392	4647
UN25633	Rsa1.0.01504.1	842	189978	0	499	505	98 -	3	507	9044	9547
UN25634	Rsa1.0.01090.1	791	54385	0	401	427	93 +	13	439	3206	3626
UN25635	Rsa1.0.05078.1	734	14912	1.00E-179	365	378	96 +	139	516	7505	7880
UN25636	Rsa1.0.02099.1	627	35030	1.00E-160	337	350	96 -	273	620	29860	30208
UN25637	Rsa1.0.03238.1	729	24432	1.00E-110	249	263	94 -	443	704	12785	13047
UN25638	Rsa1.0.00293.1	1178	339294	0	433	446	97 +	738	1176	254540	254985
UN25639	Rsa1.0.00078.1	990	175053	0	789	815	96 +	175	989	78916	79730
UN25640	Rsa1.0.02185.1	724	34150	0	709	740	95 -	3	724	27259	27997
UN25641	Rsa1.0.02694.1	1971	28610	0	1923	1980	97 +	1	1970	9145	11123
UN25642	Rsa1.0.00010.1	968	294827	0	958	969	98 +	2	968	94094	95060
UN25643	Rsa1.0.00017.1	573	752458	1.00E-127	284	301	94 +	1	299	96901	97201
UN25644	Rsa1.0.00213.1	713	108167	1.00E-128	292	308	94 +	14	317	14651	14954
UN25645	Rsa1.0.00433.1	798	85381	9.00E-97	262	284	92 +	12	293	65201	65477
UN25646	Rsa1.0.00566.1	840	75325	0	362	367	98 +	472	838	38342	38706
UN25647	Rsa1.0.00019.1	768	301669	0	734	762	96 +	8	766	237109	237867
UN25648	Rsa1.0.11285.1	1152	5556	0	386	389	99 -	1	389	3883	4271
UN25649	Rsa1.0.01674.1	797	168300	1.00E-165	305	308	99 -	1	308	4084	4388
UN25650	Rsa1.0.00472.1	888	398134	0	696	781	89 +	108	876	4539	5301
UN25651	Rsa1.0.00111.1	872	390088	0	451	486	92 -	373	851	219088	219568
UN25652	Rsa1.0.00375.1	960	90207	0	502	508	98 -	1	508	2405	2912
UN25653	Rsa1.0.59564.1	1095	384	1.00E-171	344	357	96 -	29	385	1	357
UN25654	Rsa1.0.05782.1	1072	12646	1.00E-130	264	273	96 +	770	1042	9196	9468
UN25655	Rsa1.0.00034.1	770	260119	1.00E-131	258	266	96 +	505	770	89248	89505
UN25656	Rsa1.0.01693.1	701	40876	0	660	667	98 -	5	671	19291	19957
UN25657	Rsa1.0.39035.1	821	576	1.00E-117	256	268	95 +	552	819	316	574
UN25658	Rsa1.0.08258.1	676	7649	1.00E-110	262	278	94 +	407	676	6849	7126
UN25659	Rsa1.0.02283.1	1088	33024	0	861	890	96 +	176	1065	17110	17992
UN25660	Rsa1.0.00089.1	1082	406142	0	611	633	96 +	33	659	58191	58821

UN25661	Rsa1.0.05264.1	1299	14327	0	422	425	99 +	873	1297	1627	2051
UN25662	Rsa1.0.05076.1	486	14916	1.00E-104	207	212	97 +	3	214	13053	13264
UN25663	Rsa1.0.03724.1	1039	21171	0	495	503	98 +	13	513	16464	16966
UN25664	Rsa1.0.04041.1	922	19430	1.00E-130	265	273	97 +	650	922	463	734
UN25665	Rsa1.0.01246.1	788	49968	0	591	615	96 +	1	614	34283	34886
UN25666	Rsa1.0.05778.1	1625	12656	0	1428	1456	98 -	2	1457	7	1462
UN25667	Rsa1.0.00263.1	1007	224968	0	474	481	98 -	261	738	17314	17794
UN25668	Rsa1.0.06392.1	702	11104	0	542	542	100 +	160	701	10528	11069
UN25669	Rsa1.0.00205.1	690	193401	1.00E-95	297	335	88 +	205	533	130428	130748
UN25670	Rsa1.0.00152.1	814	257730	6.00E-61	129	131	98 +	60	188	96333	96463
UN25671	Rsa1.0.00058.1	1121	159921	0	475	479	99 -	3	481	95773	96251
UN25672	Rsa1.0.00567.1	892	75260	4.00E-59	415	504	82 -	159	657	10852	11346
UN25673	Rsa1.0.00539.1	762	76926	1.00E-104	213	220	96 +	176	395	57431	57650
UN25674	Rsa1.0.00879.1	755	61297	1.00E-125	283	299	94 -	450	747	23764	24055
UN25675	Rsa1.0.00807.1	534	63607	1.00E-100	236	251	94 +	1	247	40784	41034
UN25676	Rsa1.0.00515.1	555	78417	1.00E-112	231	238	97 +	5	242	43599	43835
UN25677	Rsa1.0.00075.1	435	146680	1.00E-100	308	342	90 +	44	383	132990	133318
UN25678	Rsa1.0.04448.1	1249	17309	0	1181	1266	93 +	1	1249	9895	11158
UN25679	Rsa1.0.00394.1	1302	148426	0	865	874	98 +	1	874	105908	106779
UN25680	Rsa1.0.00192.1	562	278200	1.00E-122	268	282	95 +	3	277	18342	18623
UN25681	Rsa1.0.00303.1	926	97468	1.00E-122	237	242	97 -	685	926	31022	31263
UN25682	Rsa1.0.00475.1	873	81678	0	831	888	93 -	1	871	38086	38961
UN25683	Rsa1.0.00645.1	775	189716	9.00E-66	137	140	97 +	411	550	4503	4642
UN25684	Rsa1.0.03887.1	1100	20247	0	1011	1052	96 -	51	1100	17971	19019
UN25685	Rsa1.0.18748.1	956	1541	1.00E-171	338	348	97 -	99	446	186	531
UN25686	Rsa1.0.00518.1	757	78360	8.00E-97	180	180	100 +	284	463	59969	60148
UN25687	Rsa1.0.00773.1	1193	64839	2.00E-86	210	225	93 -	420	644	58210	58431
UN25688	Rsa1.0.01920.1	1359	158533	0	1189	1271	93 -	50	1308	22406	23673
UN25689	Rsa1.0.02501.1	831	30764	0	525	550	95 -	283	831	10529	11072
UN25690	Rsa1.0.01476.1	790	172928	0	765	774	98 +	17	790	144440	145213
UN25691	Rsa1.0.04201.1	830	18487	1.00E-129	237	238	99 -	591	828	2909	3146
UN25692	Rsa1.0.08317.1	734	7554	0	695	715	97 +	3	717	1857	2567
UN25693	Rsa1.0.00310.1	769	96852	1.00E-77	154	156	98 +	215	370	16896	17051
UN25694	Rsa1.0.00020.1	631	283099	1.00E-104	251	268	93 -	365	631	75594	75860
UN25695	Rsa1.0.00739.1	666	66155	1.00E-112	229	237	96 +	6	242	58213	58449
UN25696	Rsa1.0.14356.1	1259	3485	0	489	501	97 +	314	814	1709	2209
UN25697	Rsa1.0.02462.1	850	31158	0	638	640	99 +	209	848	3034	3673
UN25698	Rsa1.0.01633.1	1269	41868	1.00E-152	283	285	99 -	1	284	8461	8745
UN25699	Rsa1.0.03201.1	979	157656	0	404	416	97 +	2	407	18907	19322

UN25739	Rsa1.0.02402.1	1099	31710	0	527	547	96 -	3	544	30607	31153
UN25740	Rsa1.0.00546.1	643	76523	0	441	442	99 +	203	643	69605	70046
UN25741	Rsa1.0.03634.1	726	145192	1.00E-153	293	298	98 -	428	725	131076	131372
UN25742	Rsa1.0.04934.1	547	143962	0	518	555	93 -	3	543	141884	142435
UN25743	Rsa1.0.02247.1	1213	33427	0	698	731	95 -	2	732	28261	28979
UN25744	Rsa1.0.02493.1	622	30854	1.00E-138	274	281	97 -	214	494	6059	6333
UN25745	Rsa1.0.00593.1	736	143463	1.00E-114	221	225	98 -	225	449	55065	55289
UN25746	Rsa1.0.07201.1	710	9732	0	389	391	99 -	1	391	159	549
UN25747	Rsa1.0.00772.1	765	64856	0	530	541	97 +	3	543	12934	13474
UN25748	Rsa1.0.00038.1	753	314568	1.00E-103	352	404	87 +	341	742	141728	142109
UN25749	Rsa1.0.00904.1	830	180594	0	418	432	96 -	3	434	19352	19778
UN25750	Rsa1.0.02064.1	1216	35476	0	516	533	96 +	690	1216	15632	16163
UN25751	Rsa1.0.01031.1	970	56236	6.00E-83	169	173	97 +	345	517	8951	9123
UN25752	Rsa1.0.00625.1	750	71672	0	743	748	99 +	4	750	26544	27287
UN25753	Rsa1.0.00639.1	991	165873	0	865	878	98 +	44	920	128454	129331
UN25754	Rsa1.0.01650.1	634	41589	0	578	629	91 -	2	629	34730	35340
UN25755	Rsa1.0.04250.1	1700	18264	0	371	378	98 +	1325	1700	8455	8832
UN25756	Rsa1.0.01875.1	739	37849	1.00E-134	282	295	95 +	17	306	28834	29128
UN25757	Rsa1.0.02154.1	942	34528	1.00E-126	233	234	99 +	2	235	21248	21481
UN25758	Rsa1.0.00967.1	1768	58049	0	919	930	98 +	1	919	11596	12525
UN25759	Rsa1.0.00018.1	604	410899	1.00E-164	353	371	95 -	7	375	189085	189449
UN25760	Rsa1.0.03037.1	984	25825	0	377	378	99 -	605	982	4292	4669
UN25761	Rsa1.0.01924.1	815	37226	0	809	813	99 +	1	813	26093	26905
UN25762	Rsa1.0.01969.1	492	153351	1.00E-113	278	298	93 -	1	295	22253	22544
UN25763	Rsa1.0.01295.1	1031	49040	0	1003	1030	97 +	1	1030	47021	48050
UN25764	Rsa1.0.00329.1	960	222544	0	433	433	100 +	1	433	29889	30321
UN25765	Rsa1.0.01529.1	926	43871	0	402	403	99 +	3	405	11419	11821
UN25766	Rsa1.0.01600.1	720	42537	1.00E-121	276	295	93 +	4	286	10066	10360
UN25767	Rsa1.0.00376.1	1071	90101	0	479	508	94 +	555	1058	49559	50056
UN25768	Rsa1.0.03231.1	1420	24456	1.00E-132	323	353	91 +	1077	1413	23697	24048
UN25769	Rsa1.0.00114.1	1024	131330	2.00E-76	199	214	92 -	772	984	127598	127810
UN25770	Rsa1.0.00019.1	827	301669	0	820	825	99 +	4	827	48487	49311
UN25771	Rsa1.0.00307.1	1660	199003	0	860	869	98 -	792	1660	170974	171841
UN25772	Rsa1.0.02585.1	1140	29865	1.00E-87	168	169	99 -	131	299	19979	20147
UN25773	Rsa1.0.00515.1	983	78417	0	978	980	99 -	3	982	59805	60784
UN25774	Rsa1.0.00457.1	1062	337301	1.00E-150	293	301	97 +	494	794	288997	289297
UN25775	Rsa1.0.14816.1	1088	3046	0	517	519	99 -	570	1088	1792	2310
UN25776	Rsa1.0.02322.1	1191	32555	1.00E-166	300	301	99 -	4	304	3350	3650
UN25777	Rsa1.0.05262.1	1621	14334	0	800	815	98 +	623	1433	11001	11815

UN25778	Rsa1.0.01789.1	1196	39250	0	445	470	94 +	732	1196	19826	20290
UN25779	Rsa1.0.05410.1	1592	13840	0	800	831	96 -	625	1445	4714	5539
UN25780	Rsa1.0.09527.1	1104	6311	1.00E-150	300	310	96 -	519	828	5870	6179
UN25781	Rsa1.0.00697.1	899	67913	0	719	761	94 +	1	761	42350	43104
UN25782	Rsa1.0.00329.1	1249	222544	0	562	589	95 -	661	1247	72466	73053
UN25783	Rsa1.0.02220.1	981	176031	0	558	586	95 -	410	981	156555	157138
UN25784	Rsa1.0.00237.1	780	235974	1.00E-162	363	384	94 +	400	780	225556	225938
UN25785	Rsa1.0.02625.1	1147	139104	0	336	336	100 -	3	338	132490	132825
UN25786	Rsa1.0.03491.1	728	22541	1.00E-165	427	471	90 -	82	552	9065	9535
UN25787	Rsa1.0.01026.1	1401	171624	4.00E-69	152	157	96 +	256	412	166697	166851
UN25788	Rsa1.0.00111.1	907	390088	1.00E-165	325	334	97 +	574	907	7100	7432
UN25789	Rsa1.0.00647.1	1442	70440	0	1031	1064	96 -	7	1070	42016	43079
UN25790	Rsa1.0.03607.1	1264	21817	1.00E-155	309	318	97 +	949	1264	3939	4256
UN25791	Rsa1.0.00181.1	1594	114269	0	623	638	97 -	851	1488	101327	101959
UN25792	Rsa1.0.05489.1	1142	13562	0	553	564	98 -	212	775	6625	7188
UN25793	Rsa1.0.00198.1	1182	222963	0	508	537	94 -	653	1180	128582	129114
UN25794	Rsa1.0.18460.1	1109	1595	1.00E-178	341	348	97 -	760	1107	829	1175
UN25795	Rsa1.0.03955.1	936	19884	4.00E-90	285	322	88 -	635	936	5810	6126
UN25796	Rsa1.0.01146.1	1787	163455	0	545	558	97 +	478	1035	159451	160008
UN25797	Rsa1.0.01134.1	1060	52829	0	356	357	99 -	704	1060	41842	42198
UN25798	Rsa1.0.00486.1	739	80875	0	423	442	95 +	5	446	32585	33022
UN25799	Rsa1.0.00176.1	1361	240984	0	528	550	96 +	808	1354	232410	232959
UN25800	Rsa1.0.00009.1	1411	232558	1.00E-160	306	311	98 +	1002	1311	40154	40464
UN25801	Rsa1.0.05822.1	1575	12521	1.00E-165	322	328	98 -	103	428	7677	8004
UN25802	Rsa1.0.00116.1	559	365886	1.00E-111	257	270	95 +	290	557	33998	34263
UN25803	Rsa1.0.02260.1	657	33260	0	373	375	99 -	1	375	26323	26697
UN25804	Rsa1.0.00292.1	1235	98141	0	435	457	95 -	730	1186	46187	46640
UN25805	Rsa1.0.00137.1	747	122457	0	332	335	99 -	245	579	41739	42073
UN25806	Rsa1.0.04493.1	1394	17137	0	1383	1395	99 -	3	1394	15052	16446
UN25807	Rsa1.0.02870.1	760	27102	1.00E-145	393	434	90 +	1	431	9320	9735
UN25808	Rsa1.0.01843.1	711	265131	1.00E-152	297	305	97 -	321	625	9831	10135
UN25809	Rsa1.0.04384.1	1190	17629	0	432	432	100 +	749	1180	4187	4618
UN25810	Rsa1.0.02314.1	713	32642	0	447	461	96 +	8	464	14192	14652
UN25811	Rsa1.0.00152.1	627	257730	1.00E-150	336	356	94 +	1	352	203804	204155
UN25812	Rsa1.0.00686.1	811	68511	0	476	502	94 +	3	499	26775	27271
UN25813	Rsa1.0.01174.1	750	51696	0	378	385	98 -	3	387	35988	36372
UN25814	Rsa1.0.01453.1	756	45449	1.00E-129	267	277	96 -	413	686	11450	11726
UN25815	Rsa1.0.05122.1	996	14791	2.00E-92	197	205	96 +	316	520	9372	9576
UN25816	Rsa1.0.00153.1	757	192931	1.00E-126	307	330	93 +	2	324	143094	143418

UN25817	Rsa1.0_17258.1	1136	1878	1.00E-135	244	244	100 +	893	1136	627	870
UN25818	Rsa1.0_01516.1	1289	44196	0	937	995	94 +	116	1109	26673	27663
UN25819	Rsa1.0_01819.1	765	38834	0	437	439	99 -	156	594	15079	15517
UN25820	Rsa1.0_09186.1	957	6572	0	367	378	97 +	568	945	5790	6167
UN25821	Rsa1.0_00118.1	914	130637	0	864	913	94 +	6	912	39948	40856
UN25822	Rsa1.0_05739.1	986	12778	0	391	392	99 -	527	918	2233	2624
UN25823	Rsa1.0_01803.1	1054	173846	0	395	408	96 -	8	415	143938	144344
UN25824	Rsa1.0_00816.1	795	403350	0	354	360	98 +	3	362	267886	268245
UN25825	Rsa1.0_00916.1	561	59789	1.00E-142	259	260	99 +	302	561	35590	35849
UN25826	Rsa1.0_00100.1	800	249232	0	497	505	98 -	1	501	13427	13930
UN25827	Rsa1.0_01975.1	1076	36578	1.00E-135	272	280	97 +	1	280	31179	31457
UN25828	Rsa1.0_28597.1	895	809	1.00E-161	288	288	100 +	3	290	188	475
UN25829	Rsa1.0_00379.1	1150	89865	0	455	459	99 +	688	1146	52172	52629
UN25830	Rsa1.0_00833.1	1533	62621	0	505	544	92 -	653	1187	28121	28663
UN25831	Rsa1.0_00154.1	1384	189461	1.00E-160	290	291	99 +	920	1210	174178	174468
UN25832	Rsa1.0_00182.1	1177	142305	0	1124	1184	94 +	2	1177	66817	67998
UN25833	Rsa1.0_00272.1	1160	447836	1.00E-124	243	247	98 -	15	261	219273	219518
UN25834	Rsa1.0_00289.1	624	98620	0	472	476	99 -	152	624	1200	1675
UN25835	Rsa1.0_01943.1	1035	37042	1.00E-138	309	325	95 +	1	323	4782	5105
UN25836	Rsa1.0_00706.1	955	291570	0	369	385	95 -	114	498	182172	182556
UN25837	Rsa1.0_14791.1	588	3064	2.33E-156	280	286	97 -	30	315	2779	3064
UN25838	Rsa1.0_13708.1	966	4447	1.00E-118	263	276	95 +	2	276	3623	3897
UN25839	Rsa1.0_03940.1	1175	19962	0	522	522	100 +	654	1175	7982	8503
UN25840	Rsa1.0_04267.1	887	18193	0	543	543	100 +	1	543	10652	11194
UN25841	Rsa1.0_01025.1	1278	56471	5.00E-81	412	498	82 -	607	1104	21252	21749
UN25842	Rsa1.0_01540.1	1406	151890	0	496	507	97 -	103	609	144792	145298
UN25843	Rsa1.0_07745.1	981	8662	0	874	934	93 +	39	968	7521	8447
UN25844	Rsa1.0_01188.1	991	51362	1.00E-166	334	346	96 -	4	348	31071	31409
UN25845	Rsa1.0_21906.1	1608	1163	0	491	495	99 -	1112	1606	320	813
UN25846	Rsa1.0_01666.1	1157	173972	1.00E-115	248	259	95 -	760	1018	23919	24175
UN25847	Rsa1.0_00508.1	1048	194352	0	773	774	99 -	275	1048	186839	187612
UN25848	Rsa1.0_00369.1	696	266462	0	693	694	99 +	3	696	136076	136769
UN25849	Rsa1.0_02071.1	820	35409	1.00E-142	290	299	96 +	3	297	5457	5755
UN25850	Rsa1.0_01153.1	786	52264	0	678	697	97 -	1	696	36760	37456
UN25851	Rsa1.0_00745.1	1513	66067	0	376	377	99 +	678	1054	47567	47943
UN25852	Rsa1.0_01606.1	854	42432	0	848	854	99 +	3	853	1028	1881
UN25853	Rsa1.0_00425.1	1414	147080	0	1165	1204	96 +	186	1389	95758	96961
UN25854	Rsa1.0_01156.1	1013	52147	1.00E-117	341	382	89 -	2	362	29706	30072
UN25855	Rsa1.0_05653.1	548	13043	0	461	483	95 -	3	475	9994	10471

UN25856	Rsa1.0.00412.1	797	86935	3.00E-90	225	241	93 +	3	238	47423	47661
UN25857	Rsa1.0.00092.1	719	659932	0	377	393	95 +	67	457	242903	243295
UN25858	Rsa1.0.03668.1	580	21483	0	418	436	95 +	150	580	11438	11872
UN25859	Rsa1.0.02716.1	894	28465	1.00E-175	318	319	99 +	576	894	1935	2252
UN25860	Rsa1.0.04623.1	807	16617	0	765	805	95 +	2	806	15491	16288
UN25861	Rsa1.0.01732.1	564	40194	0	538	566	95 -	3	564	37238	37790
UN25862	Rsa1.0.02633.1	811	29315	1.00E-164	337	351	96 +	1	351	429	771
UN25863	Rsa1.0.00341.1	627	249309	1.00E-110	244	259	94 -	375	625	123981	124239
UN25864	Rsa1.0.00924.1	544	59524	1.00E-103	206	210	98 -	335	544	3653	3861
UN25865	Rsa1.0.01836.1	1408	38503	0	1079	1140	94 +	1	1133	17891	19026
UN25866	Rsa1.0.00720.1	1109	66931	1.00E-133	244	245	99 -	1	245	57375	57619
UN25867	Rsa1.0.01142.1	980	52464	0	374	378	98 +	604	980	19737	20113
UN25868	Rsa1.0.01530.1	859	43820	0	517	535	96 +	7	539	31510	32044
UN25869	Rsa1.0.02684.1	617	28676	1.00E-124	235	238	98 -	126	363	1255	1492
UN25870	Rsa1.0.00294.1	1183	144860	0	772	780	98 -	1	780	43286	44065
UN25871	Rsa1.0.00220.1	883	192936	1.00E-123	248	255	97 +	1	255	143209	143460
UN25872	Rsa1.0.24098.1	889	1007	1.00E-128	317	345	91 +	7	342	603	947
UN25873	Rsa1.0.01707.1	807	40686	0	389	396	98 -	340	732	25823	26218
UN25874	Rsa1.0.05078.1	983	14912	0	665	691	96 +	190	878	9687	10375
UN25875	Rsa1.0.03005.1	1764	26082	0	335	336	99 -	7	342	10402	10737
UN25876	Rsa1.0.01593.1	1389	150996	0	399	415	96 +	1	414	149438	149850
UN25877	Rsa1.0.00772.1	586	64856	1.00E-95	198	205	96 -	3	207	53782	53980
UN25878	Rsa1.0.00273.1	2035	326186	0	594	639	92 -	439	1070	307454	308084
UN25879	Rsa1.0.00580.1	724	74515	0	343	346	99 +	379	724	18782	19127
UN25880	Rsa1.0.01468.1	931	45146	1.00E-160	340	358	94 -	2	359	16769	17126
UN25881	Rsa1.0.00017.1	908	752458	0	411	436	94 +	2	437	412620	413043
UN25882	Rsa1.0.18045.1	802	1683	3.00E-87	186	192	96 +	608	798	531	722
UN25883	Rsa1.0.03550.1	775	22154	1.00E-142	271	276	98 -	450	725	8342	8617
UN25884	Rsa1.0.02117.1	1367	34843	0	544	557	97 +	807	1363	4965	5521
UN25885	Rsa1.0.00959.1	1180	58202	0	560	578	96 -	608	1178	56858	57430
UN25886	Rsa1.0.00146.1	838	149343	0	354	363	97 +	1	363	54013	54375
UN25887	Rsa1.0.00009.1	885	232558	0	417	425	98 +	4	428	22925	23349
UN25888	Rsa1.0.02253.1	831	33356	1.00E-180	456	509	89 -	23	509	13144	13636
UN25889	Rsa1.0.00934.1	778	193516	8.00E-94	197	204	96 +	228	427	34494	34697
UN25890	Rsa1.0.03122.1	554	25207	0	504	516	97 +	42	554	12895	13408
UN25891	Rsa1.0.01730.1	1179	40223	0	628	684	91 -	9	672	33408	34086
UN25892	Rsa1.0.00327.1	786	94892	0	747	786	95 +	1	786	75612	76397
UN25893	Rsa1.0.02245.1	710	33478	0	385	400	96 +	3	400	6327	6725
UN25894	Rsa1.0.01205.1	858	50795	0	851	859	99 -	2	858	8471	9329

UN25895	Rsa1.0.00127.1	1295	127446	0	450	454	99 +	12	465	79074	79527
UN25896	Rsa1.0.02207.1	1587	33914	0	582	600	97 -	996	1586	33318	33914
UN25897	Rsa1.0.03634.1	953	145192	0	459	494	92 -	1	491	127454	127927
UN25898	Rsa1.0.00546.1	568	76523	0	481	494	97 -	3	496	58508	59000
UN25899	Rsa1.0.01124.1	617	53295	0	594	617	96 -	3	616	25589	26204
UN25900	Rsa1.0.04191.1	983	18578	0	436	439	99 +	543	981	7426	7864
UN25901	Rsa1.0.01613.1	641	182542	1.00E-169	302	302	100 -	186	487	28807	29108
UN25902	Rsa1.0.03434.1	648	22960	0	389	389	100 -	259	647	12088	12476
UN25903	Rsa1.0.00812.1	564	63233	1.00E-144	292	303	96 +	7	309	17155	17451
UN25904	Rsa1.0.02377.1	1024	31994	0	374	385	97 +	3	387	17523	17902
UN25905	Rsa1.0.00609.1	616	72785	1.00E-176	365	381	95 -	244	615	4919	5297
UN25906	Rsa1.0.02210.1	1160	33857	0	475	489	97 -	678	1160	22538	23023
UN25907	Rsa1.0.00619.1	1170	71985	0	490	492	99 -	150	641	15001	15492
UN25908	Rsa1.0.00414.1	789	202190	0	333	334	99 +	2	335	185478	185811
UN25909	Rsa1.0.00697.1	855	67913	0	829	856	96 +	1	852	47731	48583
UN25910	Rsa1.0.03303.1	1134	23890	0	641	658	97 -	472	1129	9594	10250
UN25911	Rsa1.0.01649.1	622	41624	1.00E-103	231	242	95 -	1	242	27705	27944
UN25912	Rsa1.0.00697.1	1012	67913	0	577	602	95 +	324	925	51202	51800
UN25913	Rsa1.0.02503.1	547	30709	1.00E-100	245	263	93 -	17	270	26808	27069
UN25914	Rsa1.0.09388.1	1243	6405	5.00E-47	121	129	93 +	949	1077	3630	3758
UN25915	Rsa1.0.00562.1	1318	75565	0	1143	1197	95 +	13	1195	23851	25043
UN25916	Rsa1.0.00697.1	1421	67913	0	779	828	94 -	593	1420	42278	43104
UN25917	Rsa1.0.00030.1	740	250988	1.00E-104	245	260	94 +	3	258	150140	150396
UN25918	Rsa1.0.00198.1	1195	222963	1.00E-173	333	341	97 +	1	341	125227	125567
UN25919	Rsa1.0.01035.1	1717	56019	0	449	449	100 +	1	449	45047	45495
UN25920	Rsa1.0.00697.1	848	67913	0	843	847	99 -	4	848	47733	48579
UN25921	Rsa1.0.01246.1	1199	49968	0	1182	1209	97 -	1	1197	21624	22823
UN25922	Rsa1.0.00258.1	740	102381	8.00E-94	181	183	98 +	545	727	7934	8116
UN25923	Rsa1.0.00135.1	1273	178077	0	517	521	99 -	753	1271	102875	103395
UN25924	Rsa1.0.00128.1	835	228675	0	461	461	100 -	2	462	13227	13687
UN25925	Rsa1.0.28434.1	1205	815	1.00E-165	378	400	94 -	1	397	49	443
UN25926	Rsa1.0.00065.1	952	454616	1.00E-169	311	314	99 +	3	316	172353	172666
UN25927	Rsa1.0.00715.1	512	67116	9.00E-99	277	302	91 -	222	512	40280	40581
UN25928	Rsa1.0.03263.1	1305	24268	0	967	1029	93 +	293	1305	20569	21586
UN25929	Rsa1.0.00546.1	566	76523	1.00E-134	344	373	92 +	188	558	11381	11739
UN25930	Rsa1.0.00645.1	1231	189716	0	428	446	95 +	701	1146	34408	34853
UN25931	Rsa1.0.05884.1	819	12337	0	812	817	99 +	3	819	10020	10835
UN25932	Rsa1.0.48565.1	1413	466	1.00E-152	397	439	90 -	995	1410	1	439
UN25933	Rsa1.0.01220.1	1123	161775	1.00E-127	310	336	92 -	13	346	7326	7649

UN25934	Rsa1.0_00322.1	849	212233	1.00E-151	271	271	100 -	1	271	6591	6861
UN25935	Rsa1.0_19036.1	1375	1492	1.00E-147	351	375	93 -	1001	1371	542	909
UN25936	Rsa1.0_00006.1	1021	396176	1.00E-133	262	269	97 +	289	557	222130	222398
UN25937	Rsa1.0_04181.1	1318	18615	0	693	723	95 -	339	1061	936	1658
UN25938	Rsa1.0_00662.1	942	192183	9.00E-85	192	202	95 -	740	941	32229	32422
UN25939	Rsa1.0_01371.1	831	47079	0	812	831	97 +	1	831	32210	33033
UN25940	Rsa1.0_00016.1	1135	831256	1.00E-115	304	332	91 -	799	1128	370682	371003
UN25941	Rsa1.0_11462.1	1197	5500	0	1033	1034	99 -	162	1195	2298	3331
UN25942	Rsa1.0_02902.1	1182	26907	1.00E-104	252	269	93 +	917	1176	5590	5855
UN25943	Rsa1.0_00394.1	1312	148426	0	522	568	91 +	746	1310	67486	68037
UN25944	Rsa1.0_01974.1	1174	36583	0	421	421	100 +	1	421	11619	12039
UN25945	Rsa1.0_23487.1	1328	1045	0	731	766	95 -	469	1234	279	1041
UN25946	Rsa1.0_00923.1	781	153678	0	609	618	98 -	1	615	45727	46344
UN25947	Rsa1.0_01951.1	1279	36941	0	1226	1283	95 -	1	1277	5978	7259
UN25948	Rsa1.0_22589.1	1393	1109	0	646	647	99 -	3	649	1	647
UN25949	Rsa1.0_01750.1	669	39816	1.00E-109	241	255	94 -	1	245	22530	22783
UN25950	Rsa1.0_00303.1	1146	97468	0	788	889	88 -	9	876	44008	44880
UN25951	Rsa1.0_00924.1	564	59524	1.00E-106	211	215	98 -	350	564	3648	3861
UN25952	Rsa1.0_01335.1	1216	47894	0	467	509	91 -	4	491	3909	4411
UN25953	Rsa1.0_00101.1	764	267193	1.00E-138	276	285	96 -	124	408	258416	258700
UN25954	Rsa1.0_00464.1	978	82253	1.00E-129	306	324	94 +	50	366	14632	14950
UN25955	Rsa1.0_00037.1	1265	307838	0	461	474	97 +	4	469	241181	241654
UN25956	Rsa1.0_02555.1	1193	30146	1.00E-129	279	291	95 -	3	291	2219	2509
UN25957	Rsa1.0_01976.1	532	36570	3.00E-92	254	276	92 -	257	531	32521	32793
UN25958	Rsa1.0_00104.1	1208	368722	0	445	447	99 +	2	448	41572	42018
UN25959	Rsa1.0_00356.1	843	91521	0	491	510	96 +	321	828	34979	35485
UN25960	Rsa1.0_00979.1	1248	57733	1.00E-117	215	215	100 +	1	215	40258	40472
UN25961	Rsa1.0_00140.1	889	121541	0	363	363	100 -	151	513	49081	49443
UN25962	Rsa1.0_00833.1	1319	62621	0	420	426	98 -	895	1319	5195	5619
UN25963	Rsa1.0_00207.1	1223	248736	0	586	626	93 +	618	1223	3818	4443
UN25964	Rsa1.0_00457.1	915	337301	1.00E-119	271	287	94 -	20	297	130569	130855
UN25965	Rsa1.0_00302.1	1047	97521	1.00E-122	325	357	91 -	21	363	85022	85373
UN25966	Rsa1.0_03290.1	1124	24011	0	1078	1125	95 +	3	1124	22636	23755
UN25967	Rsa1.0_00104.1	1256	368722	0	807	841	95 -	77	916	213055	213895
UN25968	Rsa1.0_01550.1	901	43443	0	449	479	93 -	422	900	14576	15030
UN25969	Rsa1.0_01561.1	592	43227	1.00E-79	163	167	97 -	327	493	26162	26328
UN25970	Rsa1.0_00058.1	817	159921	0	392	410	95 -	409	817	84747	85153
UN25971	Rsa1.0_00014.1	627	348985	0	430	434	99 -	194	627	241630	242063
UN25972	Rsa1.0_01719.1	875	40388	5.00E-77	153	155	98 +	551	705	28284	28438

UN25973	Rsa1.0_01786.1	962	133324	1.00E-147	302	312	96 -	650	961	100680	100988
UN25974	Rsa1.0_15016.1	440	2892	0	407	420	96 +	3	421	660	1079
UN25975	Rsa1.0_02314.1	577	32642	1.00E-167	320	327	97 -	230	552	14326	14652
UN25976	Rsa1.0_00744.1	1427	66084	0	372	389	95 +	1053	1427	53238	53626
UN25977	Rsa1.0_00567.1	738	75260	1.00E-141	255	255	100 -	4	258	68879	69133
UN25978	Rsa1.0_00296.1	1213	97854	1.00E-151	321	337	95 -	377	713	52385	52718
UN25979	Rsa1.0_05823.1	1230	12521	1.00E-111	204	204	100 +	1023	1226	10828	11031
UN25980	Rsa1.0_00120.1	1144	277288	0	955	955	100 -	3	957	223009	223963
UN25981	Rsa1.0_00251.1	1469	303968	0	558	579	96 -	885	1462	83660	84232
UN25982	Rsa1.0_01316.1	852	48325	1.00E-98	240	256	93 -	598	851	5537	5788
UN25983	Rsa1.0_00016.1	575	831256	0	431	441	97 +	59	498	197887	198326
UN25984	Rsa1.0_00416.1	1200	86772	0	532	571	93 -	2	547	41164	41733
UN25985	Rsa1.0_01295.1	725	49040	0	461	464	99 +	1	462	22348	22811
UN25986	Rsa1.0_02165.1	745	34423	1.00E-120	271	289	93 -	468	745	187	474
UN25987	Rsa1.0_00055.1	1124	520193	0	743	773	96 +	3	774	64610	65377
UN25988	Rsa1.0_07129.1	932	9861	1.00E-163	292	292	100 -	479	770	2436	2727
UN25989	Rsa1.0_04218.1	729	18423	1.00E-152	346	364	95 +	320	682	12805	13163
UN25990	Rsa1.0_37108.1	961	607	0	454	458	99 -	1	457	21	477
UN25991	Rsa1.0_01803.1	696	173846	1.00E-143	375	408	91 +	3	407	35617	36005
UN25992	Rsa1.0_03606.1	933	21818	1.00E-149	294	302	97 -	3	301	1339	1640
UN25993	Rsa1.0_01827.1	784	143321	0	633	652	97 +	3	651	134053	134704
UN25994	Rsa1.0_01094.1	1203	167285	0	541	552	98 +	494	1045	53683	54234
UN25995	Rsa1.0_00340.1	636	305782	1.00E-162	356	374	95 -	271	636	159725	160093
UN25996	Rsa1.0_00112.1	1000	132199	0	685	753	90 -	3	743	55783	56501
UN25997	Rsa1.0_20424.1	649	1306	1.00E-168	317	320	99 +	330	649	1	318
UN25998	Rsa1.0_00144.1	1279	120708	0	719	729	98 +	55	783	85247	85975
UN25999	Rsa1.0_04215.1	1139	18437	0	1134	1137	99 +	3	1139	7585	8721
UN26000	Rsa1.0_00059.1	997	159650	0	960	998	96 -	3	997	35757	36751
UN26001	Rsa1.0_00067.1	1638	415055	1.00E-170	333	342	97 -	388	727	242547	242888
UN26002	Rsa1.0_01230.1	1291	50221	1.00E-117	250	262	95 -	553	814	23481	23742
UN26003	Rsa1.0_01119.1	575	53459	1.00E-121	244	251	97 -	328	575	11678	11924
UN26004	Rsa1.0_05326.1	753	14139	1.00E-115	317	354	89 +	372	719	5288	5632
UN26005	Rsa1.0_00842.1	1225	62493	1.00E-102	205	210	97 +	3	212	27688	27897
UN26006	Rsa1.0_00851.1	680	62181	1.00E-137	299	315	94 -	368	680	30600	30914
UN26007	Rsa1.0_00483.1	873	81102	1.00E-122	288	303	95 -	567	866	56292	56592
UN26008	Rsa1.0_00059.1	816	159650	1.00E-144	269	272	98 -	545	816	23625	23896
UN26009	Rsa1.0_01012.1	1030	56836	0	485	524	92 +	444	964	30849	31372
UN26010	Rsa1.0_08558.1	1049	7198	1.00E-122	404	455	88 -	601	1049	2278	2721
UN26011	Rsa1.0_03606.1	805	21818	1.00E-103	212	219	96 -	294	512	2155	2373

UN26012	Rsa1.0.01178.1	1075	51571	1.00E-135	279	288	96 -	791	1075	19947	20234
UN26013	Rsa1.0.02750.1	994	28239	2.00E-89	206	218	94 +	344	558	23214	23431
UN26014	Rsa1.0.01155.1	1110	52182	0	743	761	97 +	6	766	12184	12944
UN26015	Rsa1.0.01340.1	899	47805	1.00E-102	275	300	91 +	10	299	20624	20919
UN26016	Rsa1.0.00040.1	1164	324196	0	761	762	99 -	274	1035	172326	173087
UN26017	Rsa1.0.00697.1	1423	67913	0	374	375	99 -	1038	1412	31783	32157
UN26018	Rsa1.0.01359.1	1194	47271	0	486	537	90 +	1	525	32304	32833
UN26019	Rsa1.0.00409.1	906	146788	0	485	493	98 +	412	902	130747	131239
UN26020	Rsa1.0.07854.1	922	8417	1.00E-89	178	180	98 -	735	913	1668	1847
UN26021	Rsa1.0.00829.1	702	158305	1.00E-138	264	269	98 -	322	590	101844	102112
UN26022	Rsa1.0.00275.1	1072	210104	0	562	567	99 -	506	1072	206429	206995
UN26023	Rsa1.0.00009.1	761	232558	0	485	525	92 -	249	760	117370	117890
UN26024	Rsa1.0.02228.1	1671	33688	0	574	575	99 -	409	983	16770	17344
UN26025	Rsa1.0.00221.1	644	106972	1.00E-131	246	249	98 -	394	642	37361	37609
UN26026	Rsa1.0.19592.1	1262	1410	0	481	492	97 -	754	1245	1	488
UN26027	Rsa1.0.00721.1	1388	66918	0	436	442	98 -	639	1080	918	1359
UN26028	Rsa1.0.01848.1	1425	38312	0	555	558	99 -	2	559	35052	35608
UN26029	Rsa1.0.02228.1	807	33688	1.00E-133	358	389	92 -	421	804	15787	16174
UN26030	Rsa1.0.00089.1	927	406142	4.00E-99	187	188	99 -	355	542	345178	345365
UN26031	Rsa1.0.18045.1	817	1683	3.00E-90	184	189	97 -	3	191	531	719
UN26032	Rsa1.0.01453.1	728	45449	1.00E-140	280	287	97 +	1	285	10636	10921
UN26033	Rsa1.0.03766.1	1050	20970	0	720	728	98 +	3	729	18606	19332
UN26034	Rsa1.0.00121.1	984	278029	0	527	544	96 +	1	544	9589	10132
UN26035	Rsa1.0.00116.1	1045	365886	1.00E-135	263	268	98 -	779	1045	238992	239259
UN26036	Rsa1.0.00058.1	837	159921	0	432	454	95 +	1	452	84706	85153
UN26037	Rsa1.0.00055.1	901	520193	1.00E-71	141	142	99 -	655	796	311033	311174
UN26038	Rsa1.0.00374.1	1230	165738	0	652	662	98 -	6	663	140693	141354
UN26039	Rsa1.0.00173.1	789	288743	1.00E-127	255	263	96 -	111	373	84715	84977
UN26040	Rsa1.0.01602.1	720	42503	1.00E-117	265	280	94 -	32	311	1873	2147
UN26041	Rsa1.0.00218.1	1111	201480	0	806	883	91 +	228	1108	174782	175637
UN26042	Rsa1.0.01786.1	1069	133324	0	838	840	99 +	5	844	98722	99561
UN26043	Rsa1.0.00108.1	1211	478491	0	391	392	99 +	3	394	416500	416891
UN26044	Rsa1.0.05545.1	905	13379	0	798	850	93 +	3	845	11086	11934
UN26045	Rsa1.0.01344.1	1292	142535	0	717	776	92 -	1	753	130981	131737
UN26046	Rsa1.0.00096.1	999	198773	1.00E-143	267	270	98 +	730	999	115751	116020
UN26047	Rsa1.0.01621.1	850	42090	1.00E-142	348	378	92 +	1	375	38846	39217
UN26048	Rsa1.0.00890.1	726	323870	1.00E-120	269	284	94 +	1	279	160755	161032
UN26049	Rsa1.0.02118.1	1425	34839	0	387	395	97 -	1	394	7761	8155
UN26050	Rsa1.0.05431.1	940	13780	0	354	363	97 -	280	642	8836	9198

UN26051	Rsa1.0_00225.1	1331	105892	1.00E-180	345	353	97 +	980	1328	55265	55617
UN26052	Rsa1.0_02518.1	979	30586	1.00E-139	321	344	93 -	2	333	29328	29668
UN26053	Rsa1.0_00149.1	1004	305196	0	442	463	95 +	533	992	104054	104515
UN26054	Rsa1.0_00001.1	1179	363028	0	500	526	95 +	659	1178	62099	62619
UN26055	Rsa1.0_00147.1	1229	249503	0	483	521	92 -	692	1212	155749	156259
UN26056	Rsa1.0_59564.1	1192	384	0	375	384	97 +	803	1185	1	384
UN26057	Rsa1.0_00734.1	1018	66508	3.00E-57	182	203	89 -	3	202	15869	16064
UN26058	Rsa1.0_01540.1	1262	151890	0	1190	1273	93 -	3	1262	142525	143786
UN26059	Rsa1.0_00945.1	1367	58714	1.00E-111	207	208	99 -	1109	1316	32073	32280
UN26060	Rsa1.0_16460.1	1182	2148	0	1139	1181	96 -	2	1182	494	1674
UN26061	Rsa1.0_02321.1	921	32572	0	556	576	96 -	3	578	5991	6565
UN26062	Rsa1.0_00028.1	1562	293984	0	880	889	98 -	674	1562	149865	150752
UN26063	Rsa1.0_00131.1	868	432233	0	552	575	96 -	294	868	259021	259595
UN26064	Rsa1.0_00789.1	939	64233	0	545	546	99 +	394	939	34406	34951
UN26065	Rsa1.0_00152.1	1710	257730	0	1118	1203	92 -	1	1183	201609	202805
UN26066	Rsa1.0_04128.1	824	18927	0	505	513	98 -	2	514	12414	12926
UN26067	Rsa1.0_00437.1	1026	84879	0	436	455	95 +	1	454	70159	70609
UN26068	Rsa1.0_01256.1	1121	49770	3.00E-82	156	156	100 +	1	156	2600	2755
UN26069	Rsa1.0_02173.1	1163	34318	0	493	495	99 +	281	775	30684	31178
UN26070	Rsa1.0_00506.1	1485	79106	1.00E-158	309	316	97 -	1	316	6009	6323
UN26071	Rsa1.0_02165.1	996	34423	0	567	600	94 -	378	963	3037	3636
UN26072	Rsa1.0_01522.1	863	157436	0	331	334	99 +	285	618	3643	3976
UN26073	Rsa1.0_00260.1	856	102021	0	436	436	100 +	270	705	63807	64242
UN26074	Rsa1.0_11811.1	535	5401	9.00E-96	181	182	99 -	305	486	2094	2275
UN26075	Rsa1.0_00260.1	1271	102021	0	424	436	97 +	315	749	63807	64242
UN26076	Rsa1.0_00316.1	728	96264	0	557	593	93 -	137	724	57238	57814
UN26077	Rsa1.0_10284.1	1300	5904	1.00E-150	289	294	98 +	2	294	1810	2103
UN26078	Rsa1.0_02152.1	724	34558	0	589	630	93 -	102	722	26442	27067
UN26079	Rsa1.0_01209.1	965	50668	1.00E-138	296	308	96 +	658	962	47015	47321
UN26080	Rsa1.0_00208.1	1064	108565	1.00E-108	212	216	98 -	708	923	7713	7928
UN26081	Rsa1.0_00917.1	476	182012	1.00E-165	410	452	90 -	25	476	175703	176128
UN26082	Rsa1.0_00437.1	1134	84879	0	415	436	95 +	614	1046	45488	45923
UN26083	Rsa1.0_00851.1	1215	62181	0	356	358	99 +	858	1215	12047	12404
UN26084	Rsa1.0_04460.1	745	17250	7.00E-91	442	530	83 +	78	603	15788	16314
UN26085	Rsa1.0_00124.1	679	262503	2.00E-97	181	181	100 -	497	677	9266	9446
UN26086	Rsa1.0_00081.1	1470	143261	0	396	407	97 +	769	1175	126206	126612
UN26087	Rsa1.0_00207.1	959	248736	0	485	511	94 +	443	951	22526	23029
UN26088	Rsa1.0_00528.1	1048	164755	0	527	539	97 +	95	633	109483	110021
UN26089	Rsa1.0_01606.1	772	42432	1.00E-134	287	301	95 -	4	302	29730	30020

UN26090	Rsa1.0.00437.1	1162	84879	0	644	652	98 -	511	1162	3752	4397
UN26091	Rsa1.0.18274.1	863	1632	0	377	379	99 +	1	379	895	1273
UN26092	Rsa1.0.02884.1	1029	27034	1.00E-111	241	251	96 +	1	248	18902	19152
UN26093	Rsa1.0.00208.1	1086	108565	0	1022	1085	94 +	13	1081	63025	64094
UN26094	Rsa1.0.00678.1	801	193163	2.00E-73	147	149	98 -	651	799	166564	166712
UN26095	Rsa1.0.00336.1	1048	445051	0	598	617	96 +	22	635	25324	25940
UN26096	Rsa1.0.00008.1	889	358124	0	434	448	96 +	8	453	196856	197301
UN26097	Rsa1.0.03261.1	761	24281	2.00E-97	187	189	98 +	243	431	4757	4945
UN26098	Rsa1.0.00550.1	1169	210790	0	1123	1171	95 -	1	1168	28087	29252
UN26099	Rsa1.0.01833.1	1080	38555	2.00E-95	207	216	95 -	77	292	16525	16737
UN26100	Rsa1.0.04405.1	642	17508	0	405	416	97 -	227	642	14211	14619
UN26101	Rsa1.0.01660.1	910	41400	1.00E-168	400	431	92 -	12	431	27246	27675
UN26102	Rsa1.0.07809.1	1071	8503	0	883	938	94 +	11	930	1009	1940
UN26103	Rsa1.0.41105.1	1987	546	0	378	390	96 +	1	386	157	545
UN26104	Rsa1.0.00886.1	979	167350	0	459	490	93 -	493	976	11230	11719
UN26105	Rsa1.0.02165.1	1158	34423	1.00E-174	355	370	95 -	789	1158	4973	5342
UN26106	Rsa1.0.03818.1	855	20668	0	847	853	99 +	1	853	19676	20528
UN26107	Rsa1.0.02295.1	1117	149884	0	473	484	97 -	523	1006	127178	127660
UN26108	Rsa1.0.00757.1	401	65559	7.00E-62	121	121	100 -	50	170	13259	13379
UN26109	Rsa1.0.01077.1	1127	54772	0	562	604	93 +	2	594	10739	11340
UN26110	Rsa1.0.00342.1	581	93695	0	437	441	99 -	141	581	79973	80412
UN26111	Rsa1.0.00124.1	596	262503	1.00E-155	372	400	93 +	3	389	162513	162910
UN26112	Rsa1.0.05218.1	2693	14457	0	1508	1562	96 +	290	1829	5131	6677
UN26113	Rsa1.0.00386.1	1231	89134	0	705	716	98 +	2	713	55864	56579
UN26114	Rsa1.0.01586.1	1143	42804	0	414	438	94 +	1	436	28066	28496
UN26115	Rsa1.0.02872.1	744	27080	1.00E-110	212	215	98 +	414	628	26214	26428
UN26116	Rsa1.0.00525.1	1254	78030	0	397	397	100 +	2	398	30725	31121
UN26117	Rsa1.0.00008.1	897	358124	0	564	580	97 -	305	883	50921	51499
UN26118	Rsa1.0.05624.1	748	13140	1.00E-117	391	452	86 -	282	732	3783	4199
UN26119	Rsa1.0.00055.1	1131	520193	0	1089	1150	94 -	28	1127	169129	170276
UN26120	Rsa1.0.00335.1	806	94371	1.00E-125	262	270	97 +	1	268	33581	33848
UN26121	Rsa1.0.00407.1	599	191544	0	541	550	98 -	3	549	67755	68304
UN26122	Rsa1.0.00041.1	1096	186197	0	689	711	96 +	386	1093	157071	157781
UN26123	Rsa1.0.00469.1	916	82084	0	809	817	99 +	1	813	52003	52819
UN26124	Rsa1.0.01409.1	1458	151595	0	340	341	99 +	1118	1458	117986	118326
UN26125	Rsa1.0.05510.1	881	13470	1.00E-133	250	253	98 -	1	253	12012	12264
UN26126	Rsa1.0.00010.1	953	294827	0	635	661	96 -	290	949	90173	90830
UN26127	Rsa1.0.05123.1	730	14790	0	696	723	96 -	3	724	6406	7125
UN26128	Rsa1.0.64256.1	756	357	1.00E-148	278	282	98 -	258	539	1	282

UN26129	Rsa1.0.02027.1	1072	35869	0	755	762	99 +	1	759	27311	28072
UN26130	Rsa1.0.00198.1	1120	222963	0	474	474	100 -	647	1120	171153	171626
UN26131	Rsa1.0.00468.1	779	82095	0	391	391	100 -	389	779	34585	34975
UN26132	Rsa1.0.01405.1	1145	46445	0	393	405	97 +	605	1009	27825	28226
UN26133	Rsa1.0.00127.1	733	127446	0	676	685	98 -	1	685	11082	11764
UN26134	Rsa1.0.00013.1	848	292129	6.00E-98	298	330	90 +	524	848	159602	159921
UN26135	Rsa1.0.03309.1	348	23852	1.00E-148	289	297	97 +	1	297	12217	12513
UN26136	Rsa1.0.14737.1	928	3115	0	321	321	100 -	337	657	2055	2375
UN26137	Rsa1.0.00007.1	1240	239325	0	1006	1051	95 +	203	1239	52943	53991
UN26138	Rsa1.0.00010.1	863	294827	1.00E-129	275	288	95 +	579	863	119168	119455
UN26139	Rsa1.0.00132.1	1554	124299	0	504	518	97 +	287	803	99696	100209
UN26140	Rsa1.0.00727.1	632	66724	1.00E-135	260	263	98 -	360	621	14980	15240
UN26141	Rsa1.0.07260.1	1140	9650	0	856	878	97 -	91	968	3733	4606
UN26142	Rsa1.0.08828.1	1215	6889	0	1208	1213	99 -	3	1215	492	1704
UN26143	Rsa1.0.00221.1	1336	106972	0	546	546	100 +	57	602	37064	37609
UN26144	Rsa1.0.00662.1	835	192183	1.00E-121	236	241	97 -	296	536	189853	190093
UN26145	Rsa1.0.01031.1	1058	56236	1.00E-122	256	267	95 -	153	419	18106	18372
UN26146	Rsa1.0.00921.1	1043	59599	0	483	505	95 +	513	1014	2814	3311
UN26147	Rsa1.0.20913.1	1078	1256	0	877	908	96 -	159	1055	1	908
UN26148	Rsa1.0.00655.1	954	195840	1.00E-160	347	366	94 -	3	366	163505	163870
UN26149	Rsa1.0.03908.1	684	20151	1.00E-166	305	308	99 -	376	683	13953	14260
UN26150	Rsa1.0.01843.1	712	265131	1.00E-150	296	305	97 +	96	400	9831	10135
UN26151	Rsa1.0.00006.1	766	396176	0	453	476	95 +	6	479	307637	308106
UN26152	Rsa1.0.00033.1	884	515811	0	506	540	93 -	346	879	366304	366843
UN26153	Rsa1.0.00886.1	957	167350	0	426	442	96 -	489	927	11278	11719
UN26154	Rsa1.0.00116.1	556	365886	1.00E-155	278	278	100 -	1	278	33998	34275
UN26155	Rsa1.0.05030.1	923	15088	0	871	912	95 -	3	907	10791	11698
UN26156	Rsa1.0.02930.1	649	26668	0	587	621	94 -	1	619	1721	2325
UN26157	Rsa1.0.02222.1	474	152798	0	471	472	99 -	3	474	4666	5136
UN26158	Rsa1.0.00184.1	1604	218748	2.33E-156	349	374	93 +	928	1296	213915	214279
UN26159	Rsa1.0.00133.1	1237	123768	0	524	532	98 +	704	1235	71028	71552
UN26160	Rsa1.0.02845.1	1237	27340	0	1130	1142	98 +	7	1147	2732	3871
UN26161	Rsa1.0.04435.1	1386	17369	0	1031	1032	99 -	118	1149	1	1032
UN26162	Rsa1.0.02769.1	859	28107	0	412	417	98 +	441	856	7186	7602
UN26163	Rsa1.0.01166.1	818	51877	0	431	432	99 +	385	816	26786	27217
UN26164	Rsa1.0.00203.1	927	109129	1.00E-116	316	343	92 -	587	925	27389	27728
UN26165	Rsa1.0.15250.1	748	2727	1.00E-163	417	455	91 +	295	748	1092	1538
UN26166	Rsa1.0.05871.1	1519	12356	0	471	496	94 +	1	493	4439	4913
UN26167	Rsa1.0.00277.1	395	100132	1.00E-120	267	283	94 +	112	394	8930	9207

UN26168	Rsa1.0_12721.1	1146	5145	0	1121	1121	100 +	1	1121	2491	3611
UN26169	Rsa1.0_00386.1	961	89134	1.00E-155	314	326	96 +	360	685	40382	40707
UN26170	Rsa1.0_00133.1	706	123768	1.00E-179	321	322	99 +	384	705	36170	36491
UN26171	Rsa1.0_00425.1	1436	147080	0	1156	1204	96 -	24	1218	95758	96961
UN26172	Rsa1.0_23451.1	514	1048	1.00E-115	211	211	100 +	3	213	838	1048
UN26173	Rsa1.0_00283.1	944	183797	0	504	504	100 +	441	944	66230	66733
UN26174	Rsa1.0_00194.1	623	110851	0	429	429	100 +	195	623	13143	13571
UN26175	Rsa1.0_01041.1	871	55910	0	869	870	99 +	3	871	37192	38061
UN26176	Rsa1.0_02358.1	1175	32213	1.00E-155	423	461	91 +	702	1156	12217	12669
UN26177	Rsa1.0_00878.1	663	330303	1.00E-141	320	343	93 -	164	497	148561	148903
UN26178	Rsa1.0_00925.1	1342	59481	0	708	746	94 +	598	1342	21012	21749
UN26179	Rsa1.0_04250.1	512	18264	1.00E-106	199	200	99 -	311	510	9460	9659
UN26180	Rsa1.0_00966.1	379	58136	0	376	377	99 -	3	379	7148	7524
UN26181	Rsa1.0_03733.1	838	21108	0	366	370	98 +	471	838	723	1092
UN26182	Rsa1.0_00568.1	744	75219	1.00E-117	231	236	97 +	505	736	1622	1857
UN26183	Rsa1.0_01466.1	1605	45161	0	1011	1013	99 -	2	1014	25169	26181
UN26184	Rsa1.0_03605.1	718	21827	1.00E-168	341	353	96 -	31	380	20342	20693
UN26185	Rsa1.0_19592.1	1285	1410	0	379	388	97 -	746	1131	101	488
UN26186	Rsa1.0_00234.1	807	197060	0	792	808	98 -	4	806	43241	44048
UN26187	Rsa1.0_00497.1	1177	79830	0	623	624	99 -	552	1175	59735	60358
UN26188	Rsa1.0_02934.1	1229	26627	0	674	707	95 +	528	1229	23612	24314
UN26189	Rsa1.0_01701.1	1154	162121	0	591	600	98 +	2	601	19363	19962
UN26190	Rsa1.0_00101.1	847	267193	1.00E-163	291	291	100 -	544	834	120539	120829
UN26191	Rsa1.0_00688.1	1073	68396	1.00E-169	302	302	100 -	1	302	14822	15123
UN26192	Rsa1.0_03634.1	947	145192	0	442	459	96 +	489	947	127454	127899
UN26193	Rsa1.0_02181.1	444	34172	0	434	437	99 -	3	439	1007	1443
UN26194	Rsa1.0_14083.1	717	3824	0	561	569	98 -	150	717	1099	1667
UN26195	Rsa1.0_00015.1	1346	561803	0	849	882	96 -	465	1346	195970	196851
UN26196	Rsa1.0_00148.1	901	120234	0	502	556	90 -	345	900	87152	87705
UN26197	Rsa1.0_00926.1	933	195072	1.00E-175	352	364	96 -	139	502	35123	35485
UN26198	Rsa1.0_00609.1	1221	72785	0	496	505	98 +	625	1129	52619	53123
UN26199	Rsa1.0_00384.1	1485	89278	0	334	337	99 +	1149	1485	35218	35554
UN26200	Rsa1.0_07661.1	1105	8891	1.00E-56	177	196	90 -	111	303	4893	5088
UN26201	Rsa1.0_01226.1	480	50316	0	478	479	99 -	3	480	9186	9664
UN26202	Rsa1.0_03037.1	955	25825	0	346	353	98 -	3	354	5163	5515
UN26203	Rsa1.0_02179.1	966	34188	0	428	447	95 +	515	961	24265	24711
UN26204	Rsa1.0_00187.1	1626	393093	0	429	444	96 -	1183	1626	155751	156191
UN26205	Rsa1.0_02991.1	627	26178	9.00E-87	233	248	93 -	2	243	4393	4636
UN26206	Rsa1.0_00594.1	842	73729	0	833	837	99 -	3	839	26995	27831

UN26207	Rsa1.0_12087.1	856	5317	0	833	864	96 +	1	854	4199	5059
UN26208	Rsa1.0_00354.1	832	232005	3.00E-87	255	282	90 -	1	277	170578	170849
UN26209	Rsa1.0_05382.1	1211	13963	0	397	411	96 +	448	858	423	833
UN26210	Rsa1.0_08680.1	1190	7047	1.00E-167	308	311	99 -	602	912	6110	6420
UN26211	Rsa1.0_00307.1	1049	199003	0	420	420	100 -	630	1049	87243	87662
UN26212	Rsa1.0_03906.1	458	20161	1.00E-149	268	268	100 -	190	457	15919	16186
UN26213	Rsa1.0_00211.1	1268	228189	0	1236	1275	96 -	1	1266	155222	156496
UN26214	Rsa1.0_05161.1	1121	14631	2.33E-156	290	299	96 -	796	1094	8397	8695
UN26215	Rsa1.0_02474.1	2125	31076	0	714	716	99 -	1390	2105	6622	7337
UN26216	Rsa1.0_00208.1	1308	108565	0	1225	1323	92 +	4	1307	62917	64210
UN26217	Rsa1.0_00212.1	1682	108350	0	1002	1031	97 +	34	1061	81931	82961
UN26218	Rsa1.0_00690.1	1247	140527	0	706	716	98 -	530	1245	61849	62564
UN26219	Rsa1.0_02094.1	1653	35116	0	752	753	99 +	3	755	19567	20319
UN26220	Rsa1.0_00761.1	1489	65133	0	1213	1279	94 +	202	1465	37781	39041
UN26221	Rsa1.0_00582.1	1234	74333	0	390	395	98 -	551	945	35654	36048
UN26222	Rsa1.0_02384.1	1768	31917	0	684	745	91 -	747	1476	13168	13897
UN26223	Rsa1.0_00043.1	630	264937	1.00E-162	365	390	93 -	244	624	225525	225914
UN26224	Rsa1.0_02421.1	1414	31579	0	427	427	100 +	1	427	11294	11720
UN26225	Rsa1.0_01108.1	726	53865	6.00E-39	215	259	83 +	148	406	44156	44414
UN26226	Rsa1.0_04827.1	846	15815	1.00E-138	272	277	98 +	570	846	10043	10317
UN26227	Rsa1.0_02051.1	1171	35564	0	493	497	99 +	675	1171	1329	1825
UN26228	Rsa1.0_00386.1	617	89134	0	412	426	96 +	193	617	61405	61830
UN26229	Rsa1.0_02583.1	1720	29887	0	474	477	99 +	758	1234	24068	24544
UN26230	Rsa1.0_07984.1	1124	8130	0	428	430	99 -	10	439	5900	6329
UN26231	Rsa1.0_36212.1	775	623	0	424	435	97 +	183	615	173	607
UN26232	Rsa1.0_03180.1	1185	24764	0	337	337	100 +	849	1185	21745	22081
UN26233	Rsa1.0_01690.1	1570	40939	0	967	987	97 -	299	1285	5761	6747
UN26234	Rsa1.0_02710.1	1284	28492	1.00E-172	314	315	99 +	1	314	19455	19769
UN26235	Rsa1.0_00287.1	829	98687	1.00E-125	233	235	99 -	4	238	13996	14230
UN26236	Rsa1.0_06376.1	937	11135	1.00E-125	252	260	96 +	609	868	10188	10447
UN26237	Rsa1.0_12867.1	853	5093	1.00E-101	214	223	95 -	1	223	4662	4884
UN26238	Rsa1.0_01046.1	452	152989	0	448	450	99 +	3	452	124132	124581
UN26239	Rsa1.0_01405.1	838	46445	0	821	836	98 +	1	836	15777	16603
UN26240	Rsa1.0_05815.1	1148	12563	1.00E-159	299	303	98 +	849	1148	9748	10050
UN26241	Rsa1.0_09006.1	1562	6715	0	1165	1182	98 -	168	1340	3725	4906
UN26242	Rsa1.0_01789.1	1018	39250	0	521	522	99 +	318	839	9785	10306
UN26243	Rsa1.0_00015.1	825	561803	0	595	633	93 +	184	810	185641	186273
UN26244	Rsa1.0_01835.1	660	38542	1.00E-166	388	412	94 -	255	660	24222	24629
UN26245	Rsa1.0_05554.1	1952	13343	0	512	512	100 -	1	512	12494	13005

UN26246	Rsa1.0.02587.1	770	156090	0	555	559	99 +	1	559	15079	15637
UN26247	Rsa1.0.01976.1	442	36570	1.00E-145	271	273	99 +	1	273	32522	32793
UN26248	Rsa1.0.01453.1	1090	45449	1.00E-142	299	309	96 -	780	1086	10614	10921
UN26249	Rsa1.0.00301.1	1286	365315	0	888	894	99 -	393	1284	27296	28188
UN26250	Rsa1.0.00890.1	737	323870	1.00E-114	269	287	93 -	452	734	160752	161032
UN26251	Rsa1.0.00971.1	631	57973	0	607	631	96 -	3	631	19834	20455
UN26252	Rsa1.0.01346.1	1078	47618	0	442	444	99 -	1	444	7627	8070
UN26253	Rsa1.0.07129.1	1452	9861	0	680	681	99 -	1	681	5653	6333
UN26254	Rsa1.0.00923.1	541	153678	0	537	539	99 -	1	539	27821	28359
UN26255	Rsa1.0.01527.1	779	43905	2.00E-69	274	324	84 -	46	367	22562	22857
UN26256	Rsa1.0.02858.1	770	27246	0	452	454	99 +	2	454	2226	2679
UN26257	Rsa1.0.01104.1	481	285480	6.00E-69	136	137	99 -	318	454	2638	2774
UN26258	Rsa1.0.02855.1	977	27271	0	750	766	97 -	1	766	10502	11255
UN26259	Rsa1.0.00782.1	786	64468	0	438	459	95 -	331	786	48513	48971
UN26260	Rsa1.0.06149.1	1045	11615	1.00E-173	309	309	100 +	737	1045	8932	9240
UN26261	Rsa1.0.01997.1	1105	158416	1.00E-161	312	319	97 +	3	319	151780	152098
UN26262	#	#	#	#	#	#	#	#	#	#	#
UN26263	Rsa1.0.01721.1	1158	40345	0	568	579	98 +	580	1158	24212	24790
UN26264	Rsa1.0.00111.1	982	390088	1.00E-178	324	325	99 +	1	325	45741	46064
UN26265	Rsa1.0.00962.1	848	184909	1.00E-132	254	259	98 -	478	736	24843	25101
UN26266	Rsa1.0.01633.1	1367	41868	1.00E-180	346	355	97 +	1019	1367	8461	8815
UN26267	Rsa1.0.01480.1	709	44926	0	365	367	99 +	283	649	23931	24297
UN26268	Rsa1.0.06392.1	652	11104	0	474	504	94 -	9	494	10528	11030
UN26269	Rsa1.0.00087.1	1090	761073	0	817	848	96 +	240	1087	434872	435717
UN26270	Rsa1.0.00152.1	994	257730	0	549	573	95 -	1	571	256945	257513
UN26271	Rsa1.0.00628.1	1634	214360	0	459	459	100 -	886	1344	201979	202437
UN26272	Rsa1.0.06802.1	449	10330	1.00E-173	317	320	99 -	1	320	8964	9283
UN26273	Rsa1.0.08706.1	599	7018	1.00E-138	288	300	96 -	300	599	5194	5490
UN26274	Rsa1.0.00278.1	1467	231896	0	399	408	97 -	571	974	23233	23640
UN26275	Rsa1.0.01214.1	1202	50599	0	385	387	99 +	816	1202	46274	46660
UN26276	Rsa1.0.05631.1	869	13127	0	325	325	100 +	545	869	4477	4801
UN26277	Rsa1.0.01778.1	966	39509	1.00E-131	295	313	94 -	1	311	9400	9702
UN26278	Rsa1.0.05501.1	1070	13513	1.00E-84	194	203	95 -	1	203	9318	9517
UN26279	Rsa1.0.01516.1	1513	44196	0	717	752	95 -	47	797	24449	25199
UN26280	Rsa1.0.01937.1	1534	37147	0	342	342	100 +	296	637	13169	13510
UN26281	Rsa1.0.02268.1	1169	33172	4.00E-78	179	189	94 +	682	870	8776	8964
UN26282	Rsa1.0.00403.1	1164	87701	0	721	729	98 -	432	1160	43687	44415
UN26283	Rsa1.0.01646.1	957	41735	1.00E-116	262	276	94 +	114	388	10736	11010
UN26284	Rsa1.0.03031.1	721	25839	1.00E-179	330	334	98 -	281	614	24118	24451

UN26285	Rsa1.0.00167.1	1229	116000	1.00E-142	257	257	100 -	1	257	14352	14608
UN26286	Rsa1.0.04422.1	655	17423	0	553	555	99 +	3	557	10087	10641
UN26287	Rsa1.0.04378.1	816	17651	1.00E-177	344	354	97 +	331	684	4630	4983
UN26288	Rsa1.0.00482.1	822	81162	1.00E-104	235	248	94 -	576	822	7087	7328
UN26289	Rsa1.0.00122.1	1336	265937	0	1332	1335	99 +	1	1335	12464	13796
UN26290	Rsa1.0.01827.1	744	143321	8.00E-57	139	145	95 +	2	145	13696	13839
UN26291	Rsa1.0.05541.1	1086	139959	2.33E-156	304	315	96 -	773	1086	2794	3107
UN26292	Rsa1.0.01388.1	1186	46741	1.00E-125	249	256	97 +	499	754	14739	14994
UN26293	Rsa1.0.00823.1	1102	62889	1.00E-144	304	319	95 -	782	1100	36328	36646
UN26294	Rsa1.0.00311.1	695	96847	1.00E-140	274	280	97 -	404	682	2614	2893
UN26295	Rsa1.0.02199.1	1378	33982	1.00E-151	274	275	99 -	1	275	13929	14203
UN26296	Rsa1.0.00652.1	898	70089	1.00E-165	338	351	96 -	6	351	47920	48270
UN26297	Rsa1.0.00214.1	908	107508	0	660	667	98 -	242	907	58538	59200
UN26298	Rsa1.0.00116.1	1427	365886	0	531	532	99 +	1	531	350747	351278
UN26299	Rsa1.0.02194.1	647	34029	0	645	645	100 +	1	645	659	1303
UN26300	Rsa1.0.01701.1	508	162121	0	399	400	99 +	109	508	6994	7393
UN26301	Rsa1.0.00991.1	1249	143101	0	528	550	96 +	712	1249	34643	35187
UN26302	Rsa1.0.08916.1	355	6792	1.00E-167	349	362	96 -	1	355	6089	6450
UN26303	Rsa1.0.00101.1	1013	267193	0	974	1013	96 +	1	1009	103646	104653
UN26304	Rsa1.0.01586.1	1159	42804	0	405	423	95 +	3	423	28074	28496
UN26305	Rsa1.0.00273.1	781	326186	0	762	784	97 +	3	779	45173	45956
UN26306	Rsa1.0.04405.1	1192	17508	0	1120	1192	93 -	6	1191	3075	4245
UN26307	Rsa1.0.00203.1	854	109129	4.00E-74	239	270	88 -	586	854	2773	3022
UN26308	Rsa1.0.03670.1	1342	21461	0	1177	1188	99 +	2	1189	7211	8398
UN26309	Rsa1.0.00142.1	1762	121474	0	376	379	99 -	1385	1762	90377	90755
UN26310	Rsa1.0.00040.1	534	324196	8.00E-93	198	205	96 +	179	383	228102	228305
UN26311	Rsa1.0.01155.1	1091	52182	0	745	780	95 +	3	764	12165	12944
UN26312	Rsa1.0.06054.1	891	11847	0	440	440	100 -	3	442	11033	11472
UN26313	Rsa1.0.00775.1	699	64793	0	660	704	93 -	3	688	5371	6074
UN26314	Rsa1.0.00157.1	1195	245832	2.00E-74	173	183	94 -	366	548	183436	183618
UN26315	Rsa1.0.00033.1	736	515811	0	430	457	94 +	3	453	470465	470916
UN26316	Rsa1.0.02554.1	869	30187	0	767	803	95 +	72	869	28843	29640
UN26317	Rsa1.0.00301.1	947	365315	0	481	528	91 -	80	580	182014	182541
UN26318	Rsa1.0.00180.1	1502	114581	1.00E-167	306	307	99 +	1	306	101711	102017
UN26319	Rsa1.0.00243.1	1016	103651	0	936	967	96 -	5	971	42199	43165
UN26320	Rsa1.0.01450.1	968	144251	0	646	690	93 -	241	916	41384	42073
UN26321	Rsa1.0.04975.1	670	15264	1.00E-110	217	221	98 +	386	606	14367	14585
UN26322	Rsa1.0.01261.1	1737	49744	0	399	399	100 +	2	400	35519	35917
UN26323	Rsa1.0.02050.1	1103	35570	0	651	676	96 +	2	674	6555	7212

UN26324	Rsa1.0.00037.1	1508	307838	0	644	694	92 -	50	737	261462	262135
UN26325	Rsa1.0.06821.1	1643	10301	1.00E-159	301	306	98 +	643	948	2076	2381
UN26326	Rsa1.0.00022.1	1300	200461	1.00E-175	318	320	99 +	17	336	96365	96684
UN26327	Rsa1.0.00069.1	969	403561	0	592	621	95 +	146	766	46995	47615
UN26328	Rsa1.0.01773.1	851	39546	0	741	771	96 +	87	851	17250	18017
UN26329	Rsa1.0.00020.1	764	283099	0	737	786	93 +	2	757	74673	75456
UN26330	Rsa1.0.01828.1	640	38681	0	405	406	99 +	235	640	27265	27670
UN26331	Rsa1.0.00176.1	1430	240984	1.00E-158	898	1098	81 +	101	1189	141016	142092
UN26332	Rsa1.0.03596.1	435	21862	0	432	434	99 -	3	435	17500	17933
UN26333	Rsa1.0.00861.1	964	61759	0	600	605	99 -	360	964	59528	60130
UN26334	Rsa1.0.47171.1	811	479	1.00E-136	264	270	97 -	11	280	4	273
UN26335	Rsa1.0.00277.1	542	100132	1.00E-131	364	402	90 -	157	542	10546	10946
UN26336	Rsa1.0.00134.1	1015	390219	0	402	424	94 +	301	724	148827	149250
UN26337	Rsa1.0.00302.1	1637	97521	0	903	944	95 +	712	1637	37916	38856
UN26338	Rsa1.0.00025.1	807	277312	0	345	349	98 -	15	363	60506	60854
UN26339	Rsa1.0.01070.1	990	55099	0	562	578	97 -	414	989	42433	43008
UN26340	Rsa1.0.00230.1	1208	105389	0	401	404	99 +	1	404	102737	103140
UN26341	Rsa1.0.14114.1	727	3792	0	675	720	93 +	11	726	751	1467
UN26342	Rsa1.0.01077.1	1394	54772	1.00E-113	226	232	97 -	1071	1302	17216	17447
UN26343	Rsa1.0.00246.1	566	103541	3.00E-15	55	59	93 -	3	61	39074	39132
UN26344	Rsa1.0.00097.1	964	138858	0	880	950	92 +	1	940	104280	105208
UN26345	Rsa1.0.01455.1	874	45440	0	446	447	99 -	1	447	24825	25271
UN26346	Rsa1.0.05473.1	821	13628	0	806	816	98 +	7	821	10497	11311
UN26347	Rsa1.0.02692.1	1378	28626	0	1071	1072	99 +	307	1378	19918	20988
UN26348	Rsa1.0.03134.1	1280	145023	0	419	438	95 +	3	440	130382	130819
UN26349	Rsa1.0.00002.1	1231	601661	1.00E-99	227	241	94 -	296	536	1909	2149
UN26350	Rsa1.0.04735.1	942	16180	0	657	671	97 -	75	744	8132	8802
UN26351	Rsa1.0.03391.1	812	23251	0	766	812	94 -	1	807	1655	2445
UN26352	Rsa1.0.00143.1	1399	121313	0	497	497	100 -	6	502	99391	99887
UN26353	Rsa1.0.00397.1	757	88189	1.00E-95	191	194	98 -	3	196	61837	62029
UN26354	Rsa1.0.00092.1	1015	659932	1.00E-120	241	248	97 -	383	630	127591	127838
UN26355	Rsa1.0.14512.1	1033	3316	0	995	1005	99 -	29	1033	2312	3316
UN26356	Rsa1.0.01600.1	815	42537	1.00E-107	248	260	95 -	528	783	37513	37770
UN26357	Rsa1.0.06561.1	831	10772	0	815	832	97 +	1	829	1766	2597
UN26358	Rsa1.0.00190.1	769	318240	2.00E-82	171	175	97 +	94	268	51982	52154
UN26359	Rsa1.0.08220.1	1013	7701	1.00E-149	292	300	97 -	367	666	6608	6907
UN26360	Rsa1.0.00049.1	793	167018	0	468	472	99 -	322	793	30139	30607
UN26361	Rsa1.0.00421.1	1215	86365	2.00E-77	179	188	95 +	21	207	55705	55892
UN26362	Rsa1.0.01117.1	841	53465	0	711	711	100 +	130	840	39287	39997

UN26363	Rsa1.0.07775.1	1255	8594	0	762	808	94 +	1	803	946	1749
UN26364	Rsa1.0.00713.1	765	158017	1.00E-114	274	294	93 +	10	298	31149	31442
UN26365	Rsa1.0.00349.1	1239	92621	0	328	328	100 +	912	1239	41690	42017
UN26366	Rsa1.0.00914.1	1164	59880	0	1162	1162	100 +	3	1164	12959	14120
UN26367	Rsa1.0.00020.1	1046	283099	0	375	376	99 -	671	1046	54942	55317
UN26368	Rsa1.0.00100.1	1031	249232	0	851	861	98 -	166	1026	25763	26620
UN26369	Rsa1.0.01301.1	837	169072	2.00E-79	151	151	100 +	517	667	168629	168779
UN26370	Rsa1.0.00981.1	875	57700	5.00E-80	152	152	100 -	144	295	15319	15470
UN26371	Rsa1.0.05687.1	873	12932	0	500	541	92 -	350	873	6337	6877
UN26372	Rsa1.0.02052.1	843	35555	2.00E-11	46	49	93 +	71	119	16963	17011
UN26373	Rsa1.0.01981.1	1201	36537	0	473	483	97 -	371	853	23284	23766
UN26374	Rsa1.0.05293.1	654	14237	0	349	352	99 -	3	354	5524	5875
UN26375	Rsa1.0.02593.1	805	29744	1.00E-110	224	227	98 -	582	805	5184	5410
UN26376	Rsa1.0.01667.1	847	41315	0	839	846	99 +	3	847	7284	8129
UN26377	Rsa1.0.00039.1	1450	296927	1.00E-171	358	375	95 +	674	1048	16707	17078
UN26378	Rsa1.0.00270.1	1111	101236	1.00E-141	386	428	90 +	3	425	64715	65118
UN26379	Rsa1.0.07311.1	629	9567	0	392	409	95 +	2	410	7123	7527
UN26380	Rsa1.0.01657.1	922	41436	0	476	479	99 +	3	480	21557	22035
UN26381	Rsa1.0.01951.1	1506	36941	0	1494	1496	99 -	12	1506	30306	31801
UN26382	Rsa1.0.02748.1	1146	28242	0	510	551	92 -	591	1136	14277	14825
UN26383	Rsa1.0.00173.1	516	288743	0	403	417	96 +	1	417	260908	261320
UN26384	Rsa1.0.00774.1	1800	64831	0	1216	1218	99 -	1	1218	60675	61892
UN26385	Rsa1.0.04288.1	1256	18077	1.00E-102	281	308	91 +	1	298	616	918
UN26386	Rsa1.0.00925.1	775	59481	0	341	342	99 -	7	348	38881	39222
UN26387	Rsa1.0.00004.1	899	253996	0	868	897	96 +	6	899	176127	177019
UN26388	Rsa1.0.03964.1	717	19835	0	406	406	100 +	310	715	5629	6034
UN26389	Rsa1.0.04262.1	1489	18220	0	999	1021	97 -	1	1017	8711	9716
UN26390	Rsa1.0.02429.1	1289	31527	0	1234	1260	97 +	2	1260	25812	27071
UN26391	Rsa1.0.00094.1	782	139042	0	748	790	94 +	1	782	93939	94716
UN26392	Rsa1.0.00915.1	941	194446	4.00E-96	264	291	90 +	507	796	33758	34048
UN26393	Rsa1.0.01675.1	1393	41155	1.00E-171	306	306	100 -	274	579	40809	41114
UN26394	Rsa1.0.02532.1	984	30403	1.00E-135	269	275	97 -	3	273	17632	17906
UN26395	Rsa1.0.02299.1	857	32857	1.00E-148	266	266	100 -	592	857	17878	18143
UN26396	Rsa1.0.00091.1	1319	139699	0	694	695	99 +	1	695	111408	112102
UN26397	Rsa1.0.00593.1	1414	143463	0	394	397	99 +	1015	1411	4707	5103
UN26398	#	#	#	#	#	#	#	#	#	#	#
UN26399	Rsa1.0.00085.1	789	142226	1.00E-178	352	364	96 -	195	558	50813	51176
UN26400	Rsa1.0.00251.1	485	303968	1.00E-173	454	496	91 +	1	485	139742	140233
UN26401	Rsa1.0.00343.1	1174	93570	0	531	552	96 +	632	1174	74535	75086

UN26402	Rsa1.0.00596.1	850	73578	0	454	455	99 +	1	455	1887	2341
UN26403	Rsa1.0.01872.1	650	37908	1.00E-101	213	219	97 +	432	650	16038	16254
UN26404	Rsa1.0.17651.1	1335	1773	0	1313	1324	99 +	12	1335	1	1320
UN26405	Rsa1.0.00967.1	853	58049	0	780	793	98 +	61	852	10145	10937
UN26406	Rsa1.0.02524.1	879	30496	0	489	493	99 -	388	879	20345	20837
UN26407	Rsa1.0.00145.1	1160	261008	0	558	567	98 -	565	1129	27267	27833
UN26408	Rsa1.0.00928.1	1568	59293	0	666	682	97 +	1	682	13268	13948
UN26409	Rsa1.0.00718.1	1699	279335	0	383	383	100 +	1317	1699	275526	275908
UN26410	Rsa1.0.00084.1	877	142338	0	447	448	99 +	38	485	113436	113883
UN26411	Rsa1.0.01087.1	3211	54508	1.00E-153	279	280	99 -	1140	1419	4323	4602
UN26412	Rsa1.0.04248.1	1381	18287	0	378	379	99 -	1	379	5494	5872
UN26413	Rsa1.0.05884.1	742	12337	0	703	705	99 -	38	742	479	1183
UN26414	Rsa1.0.01509.1	904	44258	0	874	906	96 +	2	904	35363	36268
UN26415	Rsa1.0.00067.1	1252	415055	0	1239	1243	99 -	1	1240	83568	84810
UN26416	Rsa1.0.59638.1	1096	384	0	384	384	100 -	604	987	1	384
UN26417	Rsa1.0.68938.1	774	333	1.00E-118	240	246	97 -	4	245	1	246
UN26418	Rsa1.0.02757.1	887	28187	0	419	444	94 +	6	443	25610	26049
UN26419	Rsa1.0.03304.1	839	23883	0	569	569	100 -	105	673	20916	21484
UN26420	Rsa1.0.00903.1	1340	60228	0	1325	1341	98 +	1	1340	29930	31270
UN26421	Rsa1.0.00072.1	1395	148743	0	653	655	99 +	710	1364	65398	66052
UN26422	Rsa1.0.27606.1	1238	846	0	541	555	97 -	690	1238	293	846
UN26423	Rsa1.0.00044.1	2075	271658	0	519	522	99 +	448	968	46569	47090
UN26424	Rsa1.0.04223.1	1523	18407	0	1051	1054	99 +	472	1523	16719	17772
UN26425	Rsa1.0.01545.1	1107	43599	1.00E-128	249	253	98 +	1	252	25130	25382
UN26426	Rsa1.0.22857.1	937	1088	0	667	679	98 +	258	936	1	679
UN26427	Rsa1.0.00275.1	746	210104	4.00E-71	137	137	100 -	187	323	12785	12921
UN26428	Rsa1.0.02628.1	1632	29369	0	979	979	100 -	654	1632	14204	15182
UN26429	Rsa1.0.05978.1	1312	12053	0	1296	1298	99 +	3	1300	432	1729
UN26430	Rsa1.0.00085.1	784	142226	0	587	590	99 -	194	783	5593	6182
UN26431	Rsa1.0.00504.1	1765	79334	0	346	346	100 +	1418	1763	22252	22597
UN26432	Rsa1.0.63356.1	1225	362	1.00E-170	345	362	95 +	730	1076	1	362
UN26433	Rsa1.0.00621.1	738	71840	0	518	520	99 +	2	521	24883	25402
UN26434	Rsa1.0.00272.1	1500	447836	1.00E-136	255	258	98 +	1	258	56704	56961
UN26435	Rsa1.0.00649.1	738	70263	0	669	695	96 +	45	738	13894	14577
UN26436	Rsa1.0.03159.1	862	24946	1.00E-112	301	325	92 +	491	808	14982	15306
UN26437	Rsa1.0.00543.1	722	76788	0	404	405	99 -	316	720	51489	51893
UN26438	Rsa1.0.30038.1	849	764	0	672	759	88 -	72	814	1	757
UN26439	Rsa1.0.00218.1	849	201480	0	563	578	97 -	268	845	22354	22931
UN26440	Rsa1.0.00005.1	1039	353093	1.00E-162	296	298	99 -	742	1039	169032	169329

UN26441	Rsa1.0.02920.1	727	26779	2.00E-75	184	196	93 -	346	538	18685	18877
UN26442	Rsa1.0.00713.1	1054	158017	1.00E-170	303	303	100 -	223	525	31836	32138
UN26443	Rsa1.0.00017.1	1174	752458	0	594	600	99 +	1	599	106188	106787
UN26444	Rsa1.0.00200.1	832	162016	1.00E-111	211	213	99 +	3	215	134464	134676
UN26445	Rsa1.0.00342.1	764	93695	0	420	439	95 -	1	437	57424	57859
UN26446	Rsa1.0.01110.1	1771	195852	0	818	883	92 -	795	1649	36147	37025
UN26447	Rsa1.0.00324.1	1368	218805	0	504	507	99 +	2	505	192834	193340
UN26448	Rsa1.0.00818.1	751	62939	1.00E-116	293	318	92 +	294	601	53239	53556
UN26449	Rsa1.0.00551.1	887	76227	0	498	498	100 +	390	887	20659	21156
UN26450	Rsa1.0.00033.1	1345	515811	0	1331	1357	98 -	1	1345	371700	373055
UN26451	Rsa1.0.00022.1	651	200461	0	443	457	96 +	12	468	186108	186564
UN26452	Rsa1.0.00541.1	1405	76863	0	1338	1414	94 -	1	1398	38136	39520
UN26453	Rsa1.0.01482.1	801	44855	0	543	545	99 +	4	548	17754	18298
UN26454	Rsa1.0.00507.1	1411	79074	1.00E-174	317	319	99 +	1091	1409	20321	20639
UN26455	Rsa1.0.07607.1	850	9034	1.00E-156	306	315	97 -	530	844	2375	2689
UN26456	Rsa1.0.01747.1	682	39881	0	673	680	98 +	1	680	38892	39571
UN26457	Rsa1.0.00207.1	1037	248736	2.00E-11	74	84	88 -	74	157	99845	99925
UN26458	Rsa1.0.04279.1	1447	18113	0	429	429	100 +	1	429	8569	8997
UN26459	Rsa1.0.00377.1	1283	90038	0	538	549	97 -	500	1047	55850	56396
UN26460	Rsa1.0.01119.1	1211	53459	0	1168	1207	96 +	8	1211	3978	5181
UN26461	Rsa1.0.01171.1	762	51752	1.00E-144	279	284	98 -	472	755	14959	15241
UN26462	Rsa1.0.01220.1	1284	161775	1.00E-105	306	336	91 +	1	323	126128	126462
UN26463	Rsa1.0.03455.1	900	22804	1.00E-80	182	191	95 -	576	766	12998	13185
UN26464	Rsa1.0.00106.1	1352	133916	0	579	591	97 +	3	591	95692	96276
UN26465	Rsa1.0.22927.1	1435	1084	0	991	1002	98 -	268	1269	83	1084
UN26466	Rsa1.0.01256.1	1736	49770	1.00E-108	253	272	93 +	1393	1664	6290	6552
UN26467	Rsa1.0.13820.1	1091	4264	1.00E-141	275	282	97 +	581	862	1101	1382
UN26468	Rsa1.0.02473.1	1504	31083	0	1465	1506	97 -	1	1502	8037	9530
UN26469	Rsa1.0.02976.1	1643	26315	1.00E-94	207	216	95 -	1166	1381	18603	18816
UN26470	Rsa1.0.02505.1	775	30703	0	705	737	95 +	3	726	396	1129
UN26471	Rsa1.0.00025.1	1011	277312	0	975	1009	96 +	2	1010	14388	15396
UN26472	Rsa1.0.01991.1	846	36425	1.00E-40	233	282	82 -	254	535	18024	18305
UN26473	Rsa1.0.01014.1	1319	56762	0	1318	1322	99 +	1	1319	25121	26442
UN26474	Rsa1.0.08740.1	1378	6980	0	460	463	99 -	32	494	706	1168
UN26475	Rsa1.0.00604.1	1661	146282	0	1132	1139	99 -	1	1139	137567	138705
UN26476	Rsa1.0.03213.1	1527	24568	0	1471	1553	94 -	1	1523	21327	22876
UN26477	Rsa1.0.00269.1	672	341668	1.00E-170	406	437	92 -	248	665	292838	293273
UN26478	Rsa1.0.01352.1	1903	47443	0	1855	1905	97 +	1	1903	24768	26660
UN26479	Rsa1.0.00817.1	1295	62961	0	364	370	98 +	906	1275	16183	16552

UN26480	Rsa1.0.00593.1	1337	143463	0	411	438	93 +	908	1337	141785	142222
UN26481	Rsa1.0.03601.1	778	21850	0	761	773	98 -	8	778	13277	14049
UN26482	Rsa1.0.00060.1	1893	502678	0	744	744	100 -	1	744	336316	337059
UN26483	Rsa1.0.02500.1	1461	30768	0	1450	1456	99 +	7	1461	26868	28322
UN26484	Rsa1.0.07001.1	1527	10048	1.00E-144	263	264	99 +	1	264	5060	5323
UN26485	Rsa1.0.00642.1	890	201230	1.00E-18	80	89	89 +	36	123	35382	35470
UN26486	Rsa1.0.20372.1	635	1312	0	531	558	95 -	3	559	654	1208
UN26487	Rsa1.0.14004.1	969	3929	7.00E-30	95	103	92 -	39	139	869	971
UN26488	Rsa1.0.01411.1	561	46326	0	368	370	99 +	192	561	2189	2558
UN26489	Rsa1.0.08564.1	1520	7193	0	931	937	99 +	584	1520	3323	4259
UN26490	Rsa1.0.01191.1	1124	51235	0	337	339	99 +	784	1122	11275	11613
UN26491	Rsa1.0.24949.1	1424	959	0	923	940	98 -	489	1424	20	959
UN26492	Rsa1.0.01624.1	1258	42064	1.00E-141	668	798	83 -	466	1258	25305	26095
UN26493	Rsa1.0.03267.1	1688	24230	4.00E-91	264	295	89 -	567	861	21935	22229
UN26494	Rsa1.0.00211.1	669	228189	0	457	466	98 -	190	655	132067	132531
UN26495	Rsa1.0.02571.1	1315	29995	0	1251	1271	98 -	31	1301	20382	21649
UN26496	Rsa1.0.01030.1	1505	56290	1.00E-159	285	285	100 -	1214	1498	45193	45477
UN26497	#	#	#	#	#	#	#	#	#	#	#
UN26498	Rsa1.0.02903.1	1713	26901	0	1149	1170	98 +	119	1287	7639	8808
UN26499	Rsa1.0.00015.1	1049	561803	0	1011	1042	97 -	6	1047	195529	196567
UN26500	Rsa1.0.03469.1	1348	22681	0	393	393	100 +	956	1348	21947	22339
UN26501	Rsa1.0.00014.1	1307	348985	0	548	548	100 +	505	1052	27744	28291
UN26502	Rsa1.0.04732.1	924	16193	0	909	917	99 -	3	919	8266	9182
UN26503	Rsa1.0.00203.1	761	109129	1.00E-169	315	318	99 +	3	319	42270	42587
UN26504	Rsa1.0.01010.1	856	56906	1.00E-114	221	225	98 -	632	856	43779	44003
UN26505	Rsa1.0.00651.1	1463	247766	0	1456	1457	99 +	8	1463	113537	114993
UN26506	Rsa1.0.00087.1	596	761073	8.00E-47	102	104	98 -	248	351	16818	16921
UN26507	Rsa1.0.03015.1	1456	26006	0	906	940	96 +	1	925	4947	5886
UN26508	Rsa1.0.04337.1	1337	17845	0	389	389	100 +	948	1336	10847	11235
UN26509	Rsa1.0.01602.1	1878	42503	0	562	564	99 -	91	654	11562	12125
UN26510	Rsa1.0.01613.1	1199	182542	0	448	448	100 -	750	1197	4278	4725
UN26511	Rsa1.0.06759.1	1314	10402	0	461	472	97 -	1	469	159	630
UN26512	Rsa1.0.00838.1	584	153820	0	515	518	99 -	1	518	7812	8329
UN26513	Rsa1.0.02588.1	680	29840	0	669	672	99 +	3	674	27351	28022
UN26514	Rsa1.0.06602.1	1324	10683	0	743	743	100 -	2	744	9015	9757
UN26515	Rsa1.0.02478.1	1001	150183	7.00E-58	328	393	83 -	383	773	14306	14693
UN26516	Rsa1.0.00077.1	861	145005	0	679	696	97 +	166	861	134031	134723
UN26517	Rsa1.0.00192.1	1225	278200	0	402	403	99 -	821	1223	224883	225285
UN26518	Rsa1.0.03649.1	1018	21589	0	420	426	98 +	592	1016	16545	16969

UN26519	Rsa1.0.02720.1	1074	28427	0	783	839	93 +	239	1073	11937	12765
UN26520	Rsa1.0.00255.1	788	204967	0	411	418	98 -	1	418	164296	164713
UN26521	Rsa1.0.00903.1	1195	60228	0	496	521	95 +	677	1195	52193	52710
UN26522	Rsa1.0.03037.1	855	25825	1.00E-128	359	405	88 +	470	847	9108	9512
UN26523	Rsa1.0_45011.1	749	501	1.00E-112	360	409	88 +	43	438	93	501
UN26524	Rsa1.0_00113.1	927	131574	0	567	568	99 +	360	927	4409	4975
UN26525	Rsa1.0.07316.1	1915	9562	0	590	594	99 -	433	1026	4255	4848
UN26526	Rsa1.0.00176.1	1412	240984	0	672	680	98 +	1	676	150848	151527
UN26527	Rsa1.0.00284.1	1104	323267	0	437	462	94 +	643	1104	275018	275464
UN26528	Rsa1.0.00035.1	503	176449	1.00E-162	346	362	95 -	133	493	111346	111706
UN26529	Rsa1.0.00001.1	999	363028	1.00E-126	532	627	84 -	383	998	37504	38104
UN26530	Rsa1.0.00567.1	1374	75260	2.00E-89	180	184	97 +	379	562	67577	67760
UN26531	Rsa1.0.00441.1	1381	84607	0	538	568	94 -	12	576	29577	30140
UN26532	Rsa1.0.01769.1	1118	39568	0	439	441	99 -	676	1116	32131	32571
UN26533	Rsa1.0.02456.1	760	31222	0	394	395	99 +	367	760	26022	26416
UN26534	Rsa1.0_17558.1	1450	1798	0	722	802	90 -	460	1255	996	1797
UN26535	Rsa1.0.01573.1	1203	42964	0	735	735	100 -	45	779	13460	14194
UN26536	Rsa1.0.05599.1	968	143653	0	578	590	97 -	1	589	4266	4855
UN26537	Rsa1.0.00228.1	1466	105511	0	350	350	100 -	1117	1466	86135	86484
UN26538	Rsa1.0.00068.1	1289	151813	0	384	393	97 +	898	1289	104236	104628
UN26539	Rsa1.0.00019.1	1118	301669	4.00E-84	188	198	94 -	866	1057	181302	181499
UN26540	Rsa1.0.01316.1	1074	48325	1.00E-123	255	263	96 +	811	1072	2833	3093
UN26541	Rsa1.0.00124.1	1129	262503	1.00E-122	303	327	92 +	807	1127	21650	21975
UN26542	Rsa1.0.01269.1	963	49622	1.00E-150	317	332	95 +	1	332	13975	14304
UN26543	Rsa1.0.01199.1	931	163576	1.00E-118	282	300	94 +	628	925	20827	21125
UN26544	Rsa1.0.00850.1	800	62193	0	592	598	98 -	8	605	25983	26580
UN26545	Rsa1.0.00080.1	1110	190437	1.00E-178	316	316	100 -	795	1110	36248	36563
UN26546	Rsa1.0.09504.1	1204	6328	0	916	918	99 +	1	918	3643	4560
UN26547	Rsa1.0.01141.1	2093	52530	0	551	564	97 -	543	1101	7031	7590
UN26548	Rsa1.0.00040.1	1088	324196	3.00E-85	212	224	94 +	807	1026	245385	245607
UN26549	Rsa1.0.03997.1	974	19652	1.00E-153	293	299	97 +	3	301	2579	2877
UN26550	Rsa1.0.00088.1	1211	141341	0	445	462	96 +	66	527	94765	95226
UN26551	Rsa1.0.09320.1	1093	6457	0	428	440	97 -	129	565	1368	1806
UN26552	Rsa1.0.00407.1	1207	191544	1.00E-141	257	258	99 +	10	267	152732	152989
UN26553	Rsa1.0.05002.1	735	15173	1.00E-138	284	290	97 -	448	735	7823	8110
UN26554	Rsa1.0.00191.1	1095	316976	7.00E-92	203	213	95 +	850	1062	51282	51490
UN26555	Rsa1.0.01081.1	1293	499226	0	519	542	95 +	752	1293	322593	323133
UN26556	Rsa1.0.00399.1	982	242951	0	422	428	98 -	303	730	79753	80180
UN26557	Rsa1.0_00647.1	974	70440	0	962	976	98 -	1	973	44480	45455

UN26558	Rsa1.0_01294.1	1266	49090	1.00E-105	222	231	96 -	720	950	42556	42786
UN26559	Rsa1.0_02372.1	1178	32053	0	468	474	98 +	16	489	28530	29001
UN26560	Rsa1.0_00029.1	1238	272992	0	635	635	100 +	604	1238	3110	3744
UN26561	Rsa1.0_00005.1	839	353093	1.00E-117	236	243	97 -	456	698	334080	334322
UN26562	Rsa1.0_01026.1	1510	171624	2.00E-68	151	156	96 -	1150	1305	166697	166850
UN26563	Rsa1.0_07018.1	1186	10020	1.00E-172	341	351	97 -	1	350	4418	4764
UN26564	Rsa1.0_00748.1	885	65983	8.00E-88	165	165	100 -	3	167	17336	17500
UN26565	Rsa1.0_00092.1	1471	659932	0	775	831	93 -	1	812	192222	193044
UN26566	Rsa1.0_00074.1	1210	147591	0	322	322	100 +	2	323	135584	135905
UN26567	Rsa1.0_00007.1	608	239325	1.00E-158	283	283	100 +	326	608	118618	118900
UN26568	Rsa1.0_04262.1	1128	18220	0	554	555	99 +	574	1128	3395	3949
UN26569	Rsa1.0_00507.1	833	79074	1.00E-151	311	324	95 -	378	701	62115	62438
UN26570	Rsa1.0_00730.1	738	66673	0	737	737	100 +	1	737	48672	49408
UN26571	Rsa1.0_02358.1	996	32213	1.00E-179	319	319	100 +	676	994	21989	22307
UN26572	Rsa1.0_00801.1	1160	63861	0	827	850	97 +	1	848	10935	11783
UN26573	Rsa1.0_00031.1	1356	179862	8.00E-83	164	165	99 -	1	164	89257	89421
UN26574	Rsa1.0_00507.1	855	79074	1.00E-134	265	272	97 -	6	274	10817	11088
UN26575	Rsa1.0_02274.1	833	33109	1.00E-156	320	334	95 +	498	831	22370	22696
UN26576	Rsa1.0_00716.1	1171	67078	1.00E-118	696	843	82 -	192	1029	51443	52279
UN26577	Rsa1.0_00707.1	1611	190112	0	592	626	94 -	987	1610	17656	18264
UN26578	Rsa1.0_01224.1	926	50388	0	920	920	100 -	3	922	39060	39979
UN26579	Rsa1.0_03307.1	1262	23872	1.00E-104	240	256	93 +	564	813	16635	16890
UN26580	Rsa1.0_00278.1	1409	231896	0	421	422	99 +	4	425	22591	23012
UN26581	Rsa1.0_00407.1	1196	191544	1.00E-155	322	335	96 +	5	339	28403	28736
UN26582	Rsa1.0_00413.1	902	86921	0	816	820	99 -	1	820	15935	16754
UN26583	Rsa1.0_02435.1	1423	31454	0	457	457	100 -	1	457	17703	18159
UN26584	Rsa1.0_00030.1	1173	250988	0	908	911	99 -	1	911	87453	88363
UN26585	Rsa1.0_32838.1	655	693	3.00E-99	221	228	96 +	432	655	314	541
UN26586	Rsa1.0_03800.1	1237	20768	1.00E-129	256	263	97 -	852	1114	18645	18907
UN26587	Rsa1.0_00092.1	1325	659932	0	450	463	97 +	870	1325	42020	42482
UN26588	Rsa1.0_01052.1	783	55548	1.00E-119	292	317	92 -	286	602	45267	45583
UN26589	Rsa1.0_01235.1	1389	50180	0	898	936	95 -	2	931	21234	22167
UN26590	Rsa1.0_00549.1	1691	76473	0	569	642	88 +	35	649	23821	24461
UN26591	Rsa1.0_00050.1	1219	237174	0	661	662	99 +	557	1218	4619	5280
UN26592	Rsa1.0_03483.1	1777	22621	0	473	481	98 +	617	1097	18178	18658
UN26593	Rsa1.0_00373.1	981	90296	0	361	372	97 +	3	374	25722	26087
UN26594	Rsa1.0_01648.1	1134	41635	0	455	458	99 -	213	670	17598	18055
UN26595	Rsa1.0_00921.1	1442	59599	0	464	464	100 +	10	473	24612	25075
UN26596	Rsa1.0_01898.1	1197	37491	0	576	608	94 +	596	1197	6437	7040

UN26597	Rsa1.0_14637.1	1386	3201	0	1157	1174	98 +	37	1210	2028	3201
UN26598	Rsa1.0_02288.1	700	32984	5.00E-95	208	218	95 +	294	511	836	1049
UN26599	Rsa1.0_04340.1	1227	17831	0	410	431	95 -	606	1031	12838	13260
UN26600	Rsa1.0_00010.1	1657	294827	1.00E-170	344	357	96 -	771	1127	119168	119521
UN26601	Rsa1.0_00377.1	977	90038	0	370	382	96 +	3	381	17062	17443
UN26602	Rsa1.0_01659.1	524	164577	1.00E-23	84	93	90 -	313	405	134709	134801
UN26603	Rsa1.0_03877.1	1463	20318	1.00E-171	311	313	99 -	1150	1462	13786	14098
UN26604	Rsa1.0_00145.1	2763	261008	0	2039	2077	98 -	398	2473	62129	64186
UN26605	Rsa1.0_37975.1	1155	593	0	574	584	98 -	201	783	1	582
UN26606	Rsa1.0_00838.1	778	153820	0	622	629	98 -	138	764	15930	16558
UN26607	Rsa1.0_02229.1	1418	33672	0	357	359	99 +	1	359	12945	13303
UN26608	Rsa1.0_03627.1	1217	21658	0	400	408	98 +	810	1217	8024	8431
UN26609	Rsa1.0_00167.1	1052	116000	1.00E-144	336	362	92 -	15	376	17177	17526
UN26610	Rsa1.0_00336.1	1118	445051	0	419	432	96 -	1	426	14187	14616
UN26611	Rsa1.0_02536.1	614	30368	0	614	615	99 -	1	614	28703	29317
UN26612	Rsa1.0_00340.1	946	305782	0	435	435	100 -	151	585	101949	102383
UN26613	Rsa1.0_00055.1	824	520193	0	428	431	99 -	3	433	75573	76003
UN26614	Rsa1.0_00197.1	1158	109714	0	353	356	99 +	515	869	36533	36888
UN26615	Rsa1.0_00002.1	1084	601661	0	380	382	99 +	3	384	97452	97833
UN26616	Rsa1.0_00016.1	757	831256	0	350	352	99 +	406	757	569300	569651
UN26617	Rsa1.0_03605.1	1187	21827	1.00E-25	67	69	97 +	1	69	4627	4695
UN26618	Rsa1.0_00201.1	1566	232851	0	1375	1418	96 -	156	1566	208602	210015
UN26619	Rsa1.0_01613.1	1914	182542	0	571	571	100 +	3	573	26770	27340
UN26620	Rsa1.0_01756.1	1228	39779	0	400	401	99 -	828	1228	8765	9165
UN26621	Rsa1.0_04399.1	885	17543	0	403	419	96 +	469	882	12162	12578
UN26622	Rsa1.0_08790.1	1041	6918	0	693	736	94 +	313	1041	4948	5661
UN26623	Rsa1.0_00105.1	1194	134138	0	609	622	97 -	1	616	107748	108368
UN26624	Rsa1.0_00725.1	836	66757	2.00E-76	149	150	99 -	544	693	44369	44518
UN26625	Rsa1.0_00342.1	1348	93695	1.00E-145	274	278	98 +	1	278	55851	56128
UN26626	Rsa1.0_03387.1	1227	23278	0	1125	1137	98 -	4	1139	7459	8592
UN26627	Rsa1.0_00197.1	1171	109714	0	402	407	98 -	1	407	66982	67388
UN26628	Rsa1.0_01958.1	1172	261128	0	672	686	97 -	487	1172	115699	116384
UN26629	Rsa1.0_01634.1	1079	41865	1.00E-163	407	439	92 -	642	1079	1123	1551
UN26630	Rsa1.0_05192.1	870	136195	0	525	527	99 -	2	528	124985	125511
UN26631	Rsa1.0_00188.1	1155	112020	0	1141	1159	98 -	1	1153	11522	12680
UN26632	Rsa1.0_01536.1	1150	43747	0	746	749	99 +	3	751	31935	32683
UN26633	Rsa1.0_00243.1	805	103651	0	755	794	95 -	2	790	87272	88064
UN26634	Rsa1.0_00020.1	1101	283099	0	517	517	100 +	3	519	128180	128696
UN26635	Rsa1.0_00341.1	1032	249309	0	949	1016	93 -	23	1032	113259	114254

UN26636	Rsa1.0_01010.1	1166	56906	0	324	324	100 +	843	1166	30047	30370
UN26637	Rsa1.0_08586.1	1311	7157	0	467	506	92 -	391	896	1944	2422
UN26638	Rsa1.0_04140.1	1276	18879	1.00E-103	210	216	97 -	770	985	7286	7501
UN26639	Rsa1.0_00170.1	1485	179538	0	508	524	96 +	454	977	57648	58161
UN26640	Rsa1.0_02494.1	1084	132923	0	685	687	99 +	2	688	109848	110533
UN26641	Rsa1.0_01692.1	1106	40894	0	370	380	97 -	2	381	26640	27013
UN26642	Rsa1.0_02473.1	1437	31083	0	683	700	97 +	741	1437	14966	15665
UN26643	Rsa1.0_01438.1	1622	45882	0	494	501	98 +	1122	1620	15044	15544
UN26644	Rsa1.0_00097.1	474	138858	0	401	412	97 +	63	474	110403	110814
UN26645	Rsa1.0_01504.1	1148	189978	0	635	653	97 -	1	647	17042	17692
UN26646	Rsa1.0_01713.1	799	40564	0	352	361	97 +	437	797	5295	5655
UN26647	Rsa1.0_04186.1	1244	18589	8.00E-92	172	172	100 -	2	173	18182	18353
UN26648	Rsa1.0_02555.1	1143	30146	1.00E-132	281	291	96 -	4	292	2219	2507
UN26649	Rsa1.0_00061.1	736	218685	1.00E-123	237	241	98 -	89	329	76432	76672
UN26650	Rsa1.0_00453.1	842	83031	1.00E-58	132	136	97 -	493	628	73312	73446
UN26651	Rsa1.0_00525.1	1413	78030	0	392	396	98 -	1018	1413	19775	20170
UN26652	Rsa1.0_00035.1	1424	176449	0	711	729	97 -	158	886	52190	52916
UN26653	Rsa1.0_00100.1	778	249232	1.00E-123	231	233	99 +	6	238	11284	11516
UN26654	Rsa1.0_02966.1	1024	135126	0	347	354	98 -	245	598	133355	133708
UN26655	Rsa1.0_01855.1	865	38204	0	407	408	99 -	1	408	7015	7422
UN26656	Rsa1.0_00060.1	1019	502678	0	360	365	98 +	1	365	385853	386215
UN26657	Rsa1.0_04022.1	1692	19534	0	1654	1658	99 -	35	1692	6514	8171
UN26658	Rsa1.0_00224.1	845	327530	1.00E-138	256	258	99 +	207	464	146846	147103
UN26659	Rsa1.0_00501.1	1595	79545	0	662	666	99 +	1	665	21545	22210
UN26660	Rsa1.0_00028.1	650	293984	1.00E-140	255	256	99 -	395	650	137144	137399
UN26661	Rsa1.0_08395.1	1317	7428	0	942	969	97 -	1	968	1407	2375
UN26662	Rsa1.0_01799.1	1469	39127	0	1457	1458	99 -	7	1464	8397	9854
UN26663	Rsa1.0_00417.1	1003	395068	0	690	703	98 -	2	704	376217	376918
UN26664	Rsa1.0_03353.1	1025	23496	0	536	578	92 -	450	1025	18997	19561
UN26665	Rsa1.0_00153.1	1390	192931	0	777	788	98 +	375	1162	191754	192540
UN26666	Rsa1.0_02320.1	1575	32575	1.00E-101	254	276	92 +	176	451	22169	22444
UN26667	Rsa1.0_00827.1	1251	62790	0	732	778	94 -	475	1245	22863	23616
UN26668	Rsa1.0_00657.1	1245	69858	1.00E-134	260	266	97 -	3	262	62716	62981
UN26669	Rsa1.0_00676.1	1528	69166	0	1385	1407	98 +	1	1405	985	2389
UN26670	Rsa1.0_00058.1	998	159921	0	324	325	99 -	466	790	120963	121287
UN26671	Rsa1.0_04388.1	1157	17614	1.00E-121	245	253	96 +	493	745	11399	11651
UN26672	Rsa1.0_00131.1	988	432233	1.00E-111	231	240	96 -	747	986	410397	410630
UN26673	Rsa1.0_09024.1	1013	6703	0	523	525	99 +	181	705	5348	5872
UN26674	Rsa1.0_03259.1	1606	24290	0	397	401	99 +	804	1204	2057	2457

UN26675	Rsa1.0.00064.1	1053	240927	0	525	537	97 +	247	783	132115	132651
UN26676	Rsa1.0.00730.1	845	66673	0	463	465	99 -	3	467	40906	41370
UN26677	Rsa1.0.00727.1	1431	66724	0	751	751	100 +	1	751	44964	45714
UN26678	Rsa1.0.15414.1	1162	2620	0	353	354	99 +	1	354	322	674
UN26679	Rsa1.0.00030.1	1183	250988	1.00E-112	239	250	95 -	934	1183	104268	104512
UN26680	Rsa1.0.01033.1	793	56173	0	770	774	99 -	6	778	6295	7068
UN26681	Rsa1.0.01052.1	867	55548	0	799	845	94 -	23	867	39428	40272
UN26682	Rsa1.0.00314.1	1478	96472	0	485	486	99 -	993	1478	14607	15092
UN26683	Rsa1.0.00575.1	1229	74791	0	644	671	95 -	148	815	54880	55550
UN26684	Rsa1.0.00054.1	1460	162053	0	751	772	97 -	161	926	15265	16036
UN26685	Rsa1.0.00067.1	703	415055	0	536	552	97 -	122	670	252590	253141
UN26686	Rsa1.0.00092.1	1094	659932	1.00E-109	276	301	91 +	2	287	132907	133207
UN26687	Rsa1.0.01682.1	1226	41090	0	489	489	100 -	738	1226	40438	40926
UN26688	Rsa1.0.15477.1	502	2584	0	474	512	92 -	1	502	867	1367
UN26689	Rsa1.0.00812.1	996	63233	0	597	606	98 +	371	976	13929	14534
UN26690	Rsa1.0.03798.1	1154	20800	0	1050	1055	99 -	104	1154	564	1618
UN26691	Rsa1.0.03375.1	915	23332	0	493	505	97 -	351	855	17205	17709
UN26692	Rsa1.0.03759.1	1263	20987	0	745	751	99 +	508	1258	5009	5759
UN26693	Rsa1.0.01456.1	963	45372	1.00E-90	197	206	95 +	378	583	42151	42356
UN26694	Rsa1.0.18008.1	1499	1691	0	452	454	99 -	1046	1499	110	563
UN26695	Rsa1.0.00497.1	1573	79830	0	931	932	99 -	642	1573	26980	27911
UN26696	Rsa1.0.00065.1	898	454616	0	426	435	97 -	465	898	248974	249408
UN26697	Rsa1.0.00131.1	1100	432233	1.00E-176	350	362	96 -	722	1081	151899	152252
UN26698	Rsa1.0.02327.1	1103	32497	0	1081	1098	98 +	1	1098	22750	23847
UN26699	Rsa1.0.00552.1	1068	206757	0	443	458	96 -	612	1067	18056	18511
UN26700	Rsa1.0.00730.1	719	66673	0	706	719	98 +	1	719	53322	54039
UN26701	Rsa1.0.00784.1	1425	64359	0	588	590	99 -	834	1423	29143	29732
UN26702	Rsa1.0.02253.1	964	33356	0	953	959	99 -	1	959	14513	15471
UN26703	Rsa1.0.03107.1	1190	25349	1.00E-110	206	207	99 +	803	1009	15975	16181
UN26704	Rsa1.0.00491.1	1781	80219	0	775	806	96 -	89	883	15387	16192
UN26705	Rsa1.0.08558.1	1232	7198	8.00E-95	239	255	93 +	6	254	4446	4700
UN26706	Rsa1.0.05581.1	961	13272	0	645	651	99 +	312	961	5476	6124
UN26707	Rsa1.0.01293.1	1095	49139	0	938	943	99 -	1	943	2686	3628
UN26708	Rsa1.0.01967.1	1138	36672	0	937	965	97 -	145	1109	23201	24165
UN26709	Rsa1.0.00538.1	469	77149	1.00E-115	270	287	94 +	183	469	66277	66556
UN26710	Rsa1.0.00031.1	1867	179862	0	510	511	99 -	1357	1867	43101	43611
UN26711	Rsa1.0.00914.1	1289	59880	1.00E-143	264	266	99 +	288	553	3727	3992
UN26712	Rsa1.0.00742.1	519	66106	0	437	438	99 +	82	519	15643	16080
UN26713	Rsa1.0.04755.1	1232	16121	5.00E-90	175	177	98 +	3	179	8255	8431

UN26714	Rsa1.0.00376.1	1036	90101	0	393	397	98 +	447	843	8837	9233
UN26715	Rsa1.0.02670.1	1169	28887	0	419	428	97 -	336	763	16285	16712
UN26716	Rsa1.0.02660.1	833	28969	1.00E-147	267	268	99 +	251	518	26200	26467
UN26717	Rsa1.0.00783.1	1429	64459	8.00E-77	168	174	96 +	1167	1340	58687	58858
UN26718	Rsa1.0.00037.1	1778	307838	0	1096	1135	96 -	669	1778	197521	198655
UN26719	Rsa1.0.00575.1	1166	74791	0	407	413	98 -	16	428	21031	21443
UN26720	Rsa1.0.02418.1	830	31590	0	808	843	95 -	3	827	9652	10485
UN26721	Rsa1.0.01480.1	1034	44926	0	427	438	97 +	600	1034	38123	38560
UN26722	Rsa1.0.00090.1	752	273859	1.00E-106	286	319	89 +	455	752	2718	3033
UN26723	Rsa1.0.00017.1	1076	752458	0	502	506	99 +	569	1074	268430	268935
UN26724	Rsa1.0.01803.1	957	173846	1.00E-144	262	263	99 +	695	957	18351	18613
UN26725	Rsa1.0.00738.1	1131	66322	0	640	644	99 +	488	1131	17706	18349
UN26726	Rsa1.0.02678.1	961	135053	0	393	414	94 -	8	415	130452	130865
UN26727	Rsa1.0.00642.1	824	201230	0	737	775	95 -	37	811	35344	36117
UN26728	Rsa1.0.01520.1	895	44087	1.00E-168	324	330	98 +	565	893	9003	9329
UN26729	Rsa1.0.00135.1	401	178077	1.00E-162	290	290	100 -	112	401	81142	81431
UN26730	Rsa1.0.06887.1	1325	10208	0	1301	1324	98 -	1	1323	8127	9447
UN26731	Rsa1.0.00697.1	1340	67913	0	1336	1340	99 +	3	1340	7959	9298
UN26732	Rsa1.0.15358.1	963	2659	0	446	458	97 +	433	889	145	602
UN26733	Rsa1.0.00990.1	1032	57445	1.00E-131	255	260	98 +	2	258	20434	20693
UN26734	Rsa1.0.08755.1	1036	6955	0	738	768	96 -	18	783	3627	4386
UN26735	Rsa1.0.00174.1	1042	115363	0	560	566	98 +	477	1042	1217	1782
UN26736	Rsa1.0.02528.1	653	30452	0	452	482	93 +	176	649	17924	18403
UN26737	Rsa1.0.02220.1	882	176031	0	644	660	97 +	2	661	178	835
UN26738	Rsa1.0.00097.1	950	138858	5.00E-83	163	165	98 +	770	934	103035	103199
UN26739	Rsa1.0.03656.1	1089	21552	0	336	336	100 -	1	336	3945	4280
UN26740	Rsa1.0.01525.1	1727	43925	0	499	520	95 +	1	518	16532	17050
UN26741	Rsa1.0.00392.1	1169	88523	1.00E-131	241	242	99 -	525	766	77597	77838
UN26742	Rsa1.0.01641.1	784	188213	1.00E-100	185	185	100 +	125	309	14900	15084
UN26743	Rsa1.0.00529.1	823	77487	1.00E-111	205	205	100 +	251	455	59539	59743
UN26744	Rsa1.0.65243.1	1229	351	1.00E-62	136	139	97 -	1092	1229	212	350
UN26745	Rsa1.0.01387.1	1163	46745	0	603	603	100 -	557	1159	40875	41477
UN26746	Rsa1.0.00889.1	1079	60978	1.00E-143	277	281	98 -	801	1078	16300	16580
UN26747	Rsa1.0.00250.1	708	273771	1.00E-177	364	379	96 +	325	702	230593	230971
UN26748	Rsa1.0.04266.1	1267	18195	0	704	704	100 +	12	715	4602	5305
UN26749	Rsa1.0.00055.1	545	520193	0	477	491	97 -	57	545	209709	210199
UN26750	Rsa1.0.59294.1	1269	386	6.00E-74	142	142	100 -	832	973	141	282
UN26751	Rsa1.0.00123.1	1171	325650	0	1012	1012	100 -	160	1171	41687	42698
UN26752	Rsa1.0.00383.1	959	398431	1.00E-105	203	206	98 -	253	458	185127	185332

UN26753	Rsa1.0.00082.1	1426	237584	0	512	530	96 -	900	1426	19585	20112
UN26754	Rsa1.0.02090.1	1402	35161	0	821	829	99 +	576	1402	33692	34520
UN26755	Rsa1.0.00077.1	1240	145005	0	1118	1181	94 -	2	1167	19297	20477
UN26756	Rsa1.0.00552.1	693	206757	0	378	382	98 +	313	693	45268	45649
UN26757	Rsa1.0.02314.1	1939	32642	1.00E-130	268	277	96 +	78	354	24833	25108
UN26758	Rsa1.0.01504.1	1119	189978	0	445	445	100 -	675	1119	168512	168956
UN26759	Rsa1.0.00030.1	954	250988	0	803	808	99 -	1	808	54399	55206
UN26760	Rsa1.0.00467.1	1348	156542	0	436	447	97 -	892	1338	125619	126061
UN26761	Rsa1.0.02776.1	714	27997	1.00E-132	250	252	99 -	461	712	17407	17657
UN26762	Rsa1.0.04977.1	1426	15260	1.00E-127	244	248	98 -	227	474	6953	7200
UN26763	Rsa1.0.00533.1	1089	77375	0	733	769	95 +	1	768	54290	55054
UN26764	Rsa1.0.00451.1	1053	322533	0	480	480	100 +	1	480	297279	297758
UN26765	Rsa1.0.49425.1	1389	459	6.00E-93	197	205	96 +	1	205	261	459
UN26766	Rsa1.0.15081.1	1350	2848	0	493	516	95 -	801	1316	728	1238
UN26767	Rsa1.0.09895.1	1641	6101	0	1563	1599	97 -	5	1602	2723	4317
UN26768	Rsa1.0.00955.1	1279	58358	1.00E-109	211	214	98 -	138	351	35701	35914
UN26769	Rsa1.0.02516.1	933	30608	1.00E-52	241	281	85 -	328	607	13866	14142
UN26770	Rsa1.0.00053.1	820	263459	1.00E-159	359	383	93 -	2	380	84698	85071
UN26771	Rsa1.0.00354.1	1620	232005	0	584	601	97 +	1018	1618	3236	3836
UN26772	Rsa1.0.00213.1	901	108167	0	448	465	96 +	5	467	97087	97548
UN26773	Rsa1.0.02651.1	1978	29046	0	1939	1972	98 +	3	1973	9707	11678
UN26774	Rsa1.0.01311.1	1152	48456	0	425	425	100 +	3	427	15395	15819
UN26775	Rsa1.0.00385.1	1162	89160	0	1158	1159	99 +	4	1162	66920	68078
UN26776	Rsa1.0.50682.1	859	448	0	388	397	97 +	53	449	1	397
UN26777	Rsa1.0.03242.1	950	24415	0	355	361	98 -	590	950	3770	4128
UN26778	Rsa1.0.00165.1	306	116466	1.00E-145	295	305	96 +	1	304	29413	29713
UN26779	Rsa1.0.00799.1	1011	63918	0	374	375	99 -	2	376	19652	20026
UN26780	Rsa1.0.00101.1	939	267193	0	344	344	100 +	1	344	140363	140706
UN26781	Rsa1.0.00350.1	932	92346	1.00E-123	231	233	99 +	310	542	49125	49357
UN26782	Rsa1.0.00105.1	1542	134138	1.00E-121	277	293	94 +	1251	1542	56206	56496
UN26783	Rsa1.0.05090.1	1512	14879	0	433	444	97 -	564	1006	7753	8193
UN26784	Rsa1.0.00079.1	935	606987	0	906	929	97 +	8	935	539897	540819
UN26785	Rsa1.0.01743.1	1012	39926	0	613	629	97 +	385	1012	24530	25155
UN26786	Rsa1.0.01519.1	1247	44144	0	618	620	99 -	623	1242	24232	24851
UN26787	Rsa1.0.02513.1	895	30643	0	819	895	91 +	1	895	18773	19660
UN26788	Rsa1.0.02004.1	1102	169138	0	812	846	95 +	2	845	167780	168625
UN26789	Rsa1.0.00016.1	1651	831256	0	1004	1030	97 -	629	1651	509610	510638
UN26790	Rsa1.0.00418.1	1224	215377	1.00E-104	192	192	100 -	1024	1215	40460	40651
UN26791	Rsa1.0.03327.1	1726	23707	0	1391	1401	99 +	326	1726	17092	18487

UN26792	Rsa1.0_01048.1	885	55684	0	390	390	100 +	496	885	29274	29663
UN26793	Rsa1.0_00276.1	1003	100160	0	564	577	97 -	2	575	78818	79394
UN26794	Rsa1.0_04670.1	1252	16453	0	422	426	99 -	827	1252	6502	6927
UN26795	Rsa1.0_03843.1	1035	20496	1.00E-120	291	317	91 -	602	906	8119	8435
UN26796	Rsa1.0_00646.1	1491	70473	0	1444	1491	96 -	1	1491	18010	19494
UN26797	Rsa1.0_01247.1	1882	49934	0	1008	1008	100 +	1	1008	24383	25390
UN26798	Rsa1.0_08773.1	1195	6935	0	564	566	99 -	1	566	242	807
UN26799	Rsa1.0_00064.1	1115	240927	0	383	383	100 -	1	383	80699	81081
UN26800	Rsa1.0_07345.1	596	9526	0	365	371	98 +	1	371	7350	7719
UN26801	Rsa1.0_02387.1	1287	31890	1.00E-173	367	383	95 +	904	1286	4635	5008
UN26802	Rsa1.0_00288.1	1246	98659	0	497	522	95 +	726	1245	89852	90369
UN26803	Rsa1.0_02015.1	1069	36008	1.00E-105	222	230	96 -	377	606	3355	3583
UN26804	Rsa1.0_00710.1	1942	67325	0	731	803	91 +	982	1781	43448	44250
UN26805	Rsa1.0_04584.1	1398	16756	0	573	575	99 +	414	988	6467	7041
UN26806	Rsa1.0_04863.1	927	15687	1.00E-111	243	252	96 -	52	295	4091	4342
UN26807	Rsa1.0_02008.1	1302	36109	0	1279	1296	98 +	5	1300	19083	20378
UN26808	Rsa1.0_02103.1	1249	35006	0	469	481	97 +	677	1157	33493	33973
UN26809	Rsa1.0_14201.1	1170	3670	0	628	651	96 -	2	652	1154	1801
UN26810	Rsa1.0_02446.1	817	31330	0	788	818	96 +	2	816	3880	4697
UN26811	Rsa1.0_02478.1	1119	150183	0	748	749	99 +	2	750	28813	29561
UN26812	Rsa1.0_05719.1	1798	12836	0	377	378	99 -	3	380	9506	9883
UN26813	Rsa1.0_00131.1	1357	432233	0	1193	1196	99 +	162	1357	44958	46153
UN26814	Rsa1.0_01998.1	1041	36276	0	713	749	95 -	22	767	10886	11623
UN26815	Rsa1.0_00673.1	850	69325	1.00E-114	233	240	97 -	338	577	55408	55644
UN26816	Rsa1.0_00676.1	1030	69166	1.00E-179	341	348	97 +	604	948	8100	8447
UN26817	Rsa1.0_01466.1	1240	45161	0	1041	1086	95 +	3	1085	14646	15731
UN26818	Rsa1.0_00015.1	539	561803	1.00E-157	281	281	100 -	255	535	446952	447232
UN26819	Rsa1.0_00077.1	1664	145005	1.00E-97	191	194	98 +	818	1011	72109	72302
UN26820	Rsa1.0_00157.1	773	245832	0	751	783	95 -	1	773	195792	196574
UN26821	Rsa1.0_00187.1	1092	393093	0	476	492	96 -	36	527	234611	235102
UN26822	Rsa1.0_00548.1	994	76518	2.00E-14	48	50	96 -	577	626	62952	63001
UN26823	Rsa1.0_05863.1	1358	12388	1.00E-19	57	59	96 -	5	63	9681	9739
UN26824	Rsa1.0_03178.1	876	24798	0	872	875	99 +	2	876	15805	16679
UN26825	Rsa1.0_07548.1	584	9150	1.00E-167	323	330	97 -	111	439	1	330
UN26826	Rsa1.0_01388.1	1088	46741	0	456	489	93 +	606	1088	29300	29780
UN26827	Rsa1.0_17682.1	1192	1765	0	988	1092	90 +	126	1192	37	1119
UN26828	Rsa1.0_59638.1	944	384	0	383	384	99 -	341	724	1	384
UN26829	Rsa1.0_01687.1	1157	40979	0	740	743	99 +	2	744	24082	24824
UN26830	Rsa1.0_05112.1	1554	14814	1.00E-163	307	312	98 +	961	1272	12469	12780

UN26831	Rsa1.0.02871.1	689	27085	1.00E-142	265	268	98 -	422	689	6765	7032
UN26832	Rsa1.0.01670.1	1197	41260	0	1152	1224	94 -	1	1195	14362	15585
UN26833	Rsa1.0.00068.1	1429	151813	0	1346	1415	95 -	3	1408	42916	44323
UN26834	Rsa1.0.00218.1	823	201480	0	803	822	97 -	1	820	45434	46255
UN26835	Rsa1.0.01641.1	1165	188213	1.00E-178	316	316	100 +	850	1165	179549	179864
UN26836	Rsa1.0.01882.1	996	37697	0	480	514	93 -	2	503	13166	13679
UN26837	Rsa1.0.00116.1	1059	365886	0	767	807	95 +	232	1031	8244	9044
UN26838	Rsa1.0.00176.1	858	240984	1.00E-120	222	223	99 -	634	856	151614	151836
UN26839	Rsa1.0.01341.1	979	47764	0	381	381	100 -	597	977	10449	10829
UN26840	Rsa1.0.00425.1	1375	147080	0	828	835	99 +	226	1060	13682	14516
UN26841	Rsa1.0.04019.1	1273	19550	0	617	629	98 +	1	629	13399	14027
UN26842	Rsa1.0.01338.1	858	155644	0	556	595	93 +	277	858	128152	128746
UN26843	Rsa1.0.00075.1	897	146680	2.00E-88	182	186	97 +	669	853	69234	69419
UN26844	Rsa1.0.00416.1	1014	86772	9.00E-79	153	154	99 -	130	283	49230	49383
UN26845	Rsa1.0.10110.1	1082	5994	0	1048	1082	96 -	2	1082	3493	4573
UN26846	Rsa1.0.00391.1	1488	183853	0	782	784	99 -	2	785	52433	53216
UN26847	Rsa1.0.15062.1	1108	2857	0	945	979	96 +	129	1107	814	1792
UN26848	Rsa1.0.00071.1	784	345714	1.00E-180	333	336	99 -	450	784	193278	193613
UN26849	Rsa1.0.01602.1	774	42503	0	637	659	96 -	117	774	39907	40563
UN26850	Rsa1.0.00128.1	936	228675	1.00E-156	323	335	96 -	608	936	107140	107472
UN26851	Rsa1.0.00402.1	1258	385315	0	680	694	97 -	1	691	228806	229499
UN26852	Rsa1.0.00019.1	868	301669	0	859	868	98 +	1	866	191694	192561
UN26853	Rsa1.0.07630.1	944	8988	1.00E-115	252	265	95 +	693	944	1941	2205
UN26854	Rsa1.0.00592.1	1103	73788	2.00E-80	213	232	91 +	878	1101	12018	12245
UN26855	Rsa1.0.00182.1	1206	142305	1.00E-179	321	322	99 +	519	840	98130	98451
UN26856	Rsa1.0.00237.1	1508	235974	0	547	551	99 -	958	1508	519	1069
UN26857	Rsa1.0.02917.1	1381	159058	0	1358	1366	99 -	16	1381	133006	134371
UN26858	Rsa1.0.02429.1	1324	31527	1.00E-147	364	397	91 -	1	377	3094	3490
UN26859	Rsa1.0.00131.1	1192	432233	0	512	537	95 -	1	535	429983	430515
UN26860	Rsa1.0.02883.1	1260	27035	1.00E-131	262	270	97 -	910	1179	7232	7501
UN26861	Rsa1.0.00618.1	642	72195	0	340	340	100 +	175	514	26098	26437
UN26862	Rsa1.0.07795.1	1005	8543	0	521	523	99 -	483	1005	3301	3823
UN26863	Rsa1.0.00089.1	1781	406142	0	867	880	98 +	905	1781	392266	393143
UN26864	Rsa1.0.00116.1	726	365886	1.00E-113	287	309	92 +	419	724	55807	56112
UN26865	Rsa1.0.03023.1	1382	25967	0	911	913	99 +	468	1380	6671	7583
UN26866	Rsa1.0.00836.1	1113	185968	0	414	415	99 +	699	1113	142387	142801
UN26867	Rsa1.0.07471.1	798	9307	0	694	757	91 -	35	780	1	747
UN26868	Rsa1.0.07851.1	701	8423	0	519	522	99 -	25	545	5130	5651
UN26869	Rsa1.0.01461.1	736	45240	1.00E-133	312	333	93 -	159	491	4204	4534

UN26870	Rsa1.0.02516.1	913	30608	4.00E-16	123	145	84 -	39	183	14268	14409
UN26871	Rsa1.0.00206.1	1642	109040	0	398	402	99 +	315	716	12094	12495
UN26872	Rsa1.0.00017.1	1073	752458	1.00E-150	314	327	96 -	11	334	160917	161242
UN26873	Rsa1.0.01556.1	1012	163858	0	495	517	95 +	304	819	24947	25455
UN26874	Rsa1.0.00992.1	428	57419	0	405	423	95 -	13	428	7326	7748
UN26875	Rsa1.0.00104.1	896	368722	2.00E-60	173	190	91 +	286	473	349075	349264
UN26876	Rsa1.0.01760.1	1160	39730	0	674	678	99 +	1	677	5685	6361
UN26877	Rsa1.0.04155.1	889	134772	1.00E-177	327	331	98 -	559	889	123802	124132
UN26878	Rsa1.0.02070.1	1175	158516	0	749	769	97 -	413	1175	8314	9081
UN26879	Rsa1.0.03835.1	956	20567	0	606	616	98 +	342	953	8140	8755
UN26880	Rsa1.0.02202.1	825	33961	0	660	663	99 -	1	663	17228	17890
UN26881	Rsa1.0.00569.1	959	75060	1.00E-105	376	433	86 +	485	914	70090	70521
UN26882	Rsa1.0.00663.1	815	164969	0	692	726	95 -	1	710	125074	125793
UN26883	Rsa1.0.00048.1	624	167185	1.00E-135	258	261	98 -	361	621	90328	90587
UN26884	Rsa1.0.48078.1	892	471	1.00E-144	266	268	99 -	625	892	204	471
UN26885	Rsa1.0.02931.1	1593	26654	0	778	807	96 +	11	805	6963	7768
UN26886	Rsa1.0.00211.1	1172	228189	1.00E-147	284	291	97 -	3	293	14333	14617
UN26887	Rsa1.0.03037.1	1741	25825	0	476	477	99 +	1132	1608	9108	9584
UN26888	Rsa1.0.00159.1	1268	431686	1.00E-106	217	224	96 +	595	818	349193	349416
UN26889	Rsa1.0.03225.1	1140	24500	1.00E-154	371	408	90 -	1	387	20705	21106
UN26890	Rsa1.0.02651.1	882	29046	1.00E-147	355	381	93 +	498	867	6906	7279
UN26891	Rsa1.0.01581.1	697	42833	0	688	696	98 +	3	697	12260	12955
UN26892	Rsa1.0.01321.1	613	48248	1.00E-134	281	294	95 -	319	612	18737	19030
UN26893	Rsa1.0.00318.1	795	96094	1.00E-130	242	244	99 -	3	246	81383	81626
UN26894	Rsa1.0.01255.1	896	162921	0	435	443	98 -	10	452	22558	23000
UN26895	Rsa1.0.02567.1	922	30016	2.00E-20	58	60	96 -	859	918	1198	1257
UN26896	Rsa1.0.00103.1	784	135304	0	708	768	92 -	3	764	97659	98415
UN26897	Rsa1.0.01951.1	931	36941	1.00E-117	230	234	98 -	697	929	34045	34278
UN26898	Rsa1.0.06579.1	1676	10724	0	483	498	96 +	1178	1675	1400	1897
UN26899	Rsa1.0.00826.1	1006	166736	1.00E-176	319	321	99 +	685	1005	156527	156847
UN26900	Rsa1.0.00362.1	1174	299497	0	861	906	95 +	290	1172	292422	293323
UN26901	Rsa1.0.00818.1	1199	62939	0	364	365	99 +	824	1188	48304	48668
UN26902	Rsa1.0.00087.1	1072	761073	1.00E-135	250	252	99 +	821	1072	77023	77274
UN26903	Rsa1.0.00528.1	848	164755	2.00E-39	114	120	95 +	530	649	145669	145785
UN26904	Rsa1.0.01487.1	935	44784	1.00E-170	367	388	94 -	444	831	27939	28326
UN26905	Rsa1.0.00110.1	1114	132719	0	760	796	95 +	75	868	96884	97674
UN26906	Rsa1.0.00665.1	829	69539	0	329	329	100 +	293	621	63769	64097
UN26907	Rsa1.0.00230.1	1237	105389	0	631	673	93 -	577	1235	850	1521
UN26908	Rsa1.0.00002.1	1201	601661	1.00E-166	453	499	90 -	683	1171	181114	181610

UN26909	Rsa1.0.00377.1	715	90038	1.00E-114	271	293	92 +	3	283	10284	10574
UN26910	Rsa1.0.01280.1	1118	49321	1.00E-100	235	251	93 -	868	1118	37688	37929
UN26911	Rsa1.0.09261.1	887	6521	1.00E-125	249	256	97 +	255	510	1543	1798
UN26912	Rsa1.0.05723.1	540	12817	0	513	538	95 -	2	539	5349	5880
UN26913	Rsa1.0.00758.1	1333	65477	0	584	590	98 +	1	589	53770	54359
UN26914	Rsa1.0.01993.1	1499	36384	0	1495	1497	99 +	1	1497	11361	12857
UN26915	Rsa1.0.03658.1	861	21549	0	747	761	98 +	100	860	8744	9504
UN26916	Rsa1.0.01989.1	635	36439	2.00E-91	197	205	96 -	19	223	33287	33488
UN26917	Rsa1.0.00055.1	783	520193	1.00E-130	276	288	95 -	128	414	291243	291530
UN26918	Rsa1.0.00349.1	946	92621	0	372	372	100 -	3	374	45076	45447
UN26919	Rsa1.0.01284.1	834	49231	0	325	326	99 -	476	801	20101	20426
UN26920	Rsa1.0.00602.1	1215	73302	0	783	799	97 -	48	843	1954	2752
UN26921	Rsa1.0.02593.1	812	29744	1.00E-163	338	352	96 +	5	356	12033	12383
UN26922	Rsa1.0.00454.1	1415	216970	0	440	441	99 +	523	963	183001	183441
UN26923	Rsa1.0.02589.1	1356	300828	0	496	496	100 +	861	1356	25402	25897
UN26924	Rsa1.0.03727.1	1001	21158	0	666	668	99 +	332	999	11110	11777
UN26925	Rsa1.0.01302.1	823	48907	1.00E-109	246	262	93 -	2	263	40116	40364
UN26926	Rsa1.0.02229.1	1150	33672	0	458	464	98 -	6	469	22889	23352
UN26927	Rsa1.0.01931.1	912	37187	0	713	732	97 -	186	912	26615	27346
UN26928	Rsa1.0.13590.1	770	4689	0	738	770	95 +	3	770	3764	4530
UN26929	Rsa1.0.05001.1	1415	15176	0	998	1001	99 -	7	1007	7479	8479
UN26930	Rsa1.0.02120.1	1444	34819	0	449	449	100 -	2	450	12621	13069
UN26931	Rsa1.0.07481.1	1055	9280	0	348	351	99 +	211	561	4144	4494
UN26932	Rsa1.0.00129.1	2556	126831	0	1201	1234	97 -	1323	2556	36005	37214
UN26933	Rsa1.0.01094.1	1377	167285	0	643	645	99 -	733	1377	1138	1782
UN26934	Rsa1.0.00816.1	578	403350	1.00E-164	305	309	98 +	5	313	106876	107184
UN26935	Rsa1.0.13551.1	1595	4737	7.00E-59	117	117	100 +	569	685	1	117
UN26936	Rsa1.0.02729.1	1238	28394	0	582	591	98 +	654	1238	17109	17699
UN26937	Rsa1.0.00652.1	570	70089	5.00E-82	248	282	87 +	289	570	64567	64829
UN26938	Rsa1.0.22329.1	1929	1130	1.00E-107	208	211	98 -	434	644	636	846
UN26939	Rsa1.0.00018.1	1067	410899	0	382	383	99 -	685	1067	9178	9560
UN26940	Rsa1.0.00991.1	1296	143101	0	1038	1082	95 -	1	1082	32188	33267
UN26941	Rsa1.0.03425.1	427	23043	0	381	386	98 +	1	386	21702	22087
UN26942	Rsa1.0.08295.1	1052	7591	0	432	445	97 -	8	452	2931	3373
UN26943	Rsa1.0.02996.1	1071	26152	0	1068	1070	99 +	3	1071	15076	16145
UN26944	Rsa1.0.00712.1	1614	67217	0	1612	1616	99 -	1	1614	8108	9723
UN26945	Rsa1.0.00663.1	1365	164969	0	482	505	95 -	96	600	107089	107593
UN26946	Rsa1.0.04726.1	1397	16218	0	838	841	99 -	1	841	8826	9666
UN26947	Rsa1.0.00058.1	755	159921	0	724	733	98 -	21	753	153258	153990

UN26948	Rsa1.0_02906.1	986	26866	0	429	446	96 +	550	986	5317	5759
UN26949	Rsa1.0_00089.1	582	406142	1.00E-172	347	359	96 -	51	408	351767	352125
UN26950	Rsa1.0_00632.1	1258	183777	0	596	597	99 +	9	605	50983	51579
UN26951	Rsa1.0_01537.1	992	187285	1.00E-140	268	273	98 -	617	889	11913	12185
UN26952	Rsa1.0_00364.1	486	90951	0	473	483	97 -	4	486	4227	4705
UN26953	Rsa1.0_01119.1	1236	53459	0	588	592	99 +	643	1233	40703	41294
UN26954	Rsa1.0_00657.1	1385	69858	1.00E-151	277	279	99 -	1107	1385	21979	22257
UN26955	Rsa1.0_00837.1	724	62568	1.00E-171	344	357	96 -	165	521	47711	48067
UN26956	Rsa1.0_49633.1	776	457	0	339	340	99 -	1	340	113	452
UN26957	Rsa1.0_01527.1	2138	43905	0	1299	1323	98 +	818	2138	20369	21684
UN26958	Rsa1.0_03616.1	1037	21756	2.00E-24	104	119	87 -	153	271	8002	8120
UN26959	Rsa1.0_00001.1	871	363028	0	492	495	99 -	2	496	37504	37998
UN26960	Rsa1.0_13347.1	1417	4900	1.00E-151	272	272	100 -	1071	1342	4629	4900
UN26961	Rsa1.0_00758.1	1189	65477	0	609	614	99 -	2	615	62407	63019
UN26962	Rsa1.0_00106.1	1642	133916	0	786	794	98 -	851	1641	63456	64247
UN26963	Rsa1.0_01414.1	926	149508	1.00E-108	367	420	87 -	29	448	130284	130701
UN26964	Rsa1.0_01567.1	968	43090	0	537	551	97 -	416	966	19861	20402
UN26965	Rsa1.0_00139.1	959	357786	0	399	399	100 -	561	959	274197	274595
UN26966	Rsa1.0_06876.1	411	10223	0	371	372	99 +	38	409	4267	4638
UN26967	Rsa1.0_00127.1	851	127446	1.00E-122	271	286	94 +	566	851	73899	74178
UN26968	Rsa1.0_01505.1	717	44382	1.00E-170	306	307	99 -	4	310	8600	8906
UN26969	Rsa1.0_03943.1	884	19931	0	361	370	97 +	25	394	7471	7840
UN26970	Rsa1.0_00286.1	759	98709	1.00E-105	197	198	99 +	154	351	60181	60378
UN26971	Rsa1.0_01491.1	947	44718	0	706	719	98 +	3	721	4038	4750
UN26972	Rsa1.0_04422.1	887	17423	0	812	842	96 +	2	840	8730	9564
UN26973	Rsa1.0_00201.1	1397	232851	0	1345	1376	97 +	32	1397	87133	88508
UN26974	Rsa1.0_11380.1	1233	5526	0	1076	1091	98 +	142	1232	736	1821
UN26975	Rsa1.0_04676.1	1245	16447	0	1245	1247	99 -	1	1245	4062	5308
UN26976	Rsa1.0_00328.1	1856	224661	0	1144	1149	99 +	706	1854	167282	168429
UN26977	Rsa1.0_00744.1	1108	66084	1.00E-148	464	526	88 +	3	523	16889	17401
UN26978	Rsa1.0_12923.1	1239	5075	2.00E-67	168	179	93 -	951	1128	4365	4543
UN26979	Rsa1.0_00709.1	617	67329	0	590	611	96 -	7	617	30559	31168
UN26980	Rsa1.0_04282.1	1098	18100	0	989	1029	96 +	73	1098	13726	14754
UN26981	Rsa1.0_09409.1	785	6390	1.00E-152	279	281	99 -	503	783	1161	1441
UN26982	Rsa1.0_00973.1	779	57913	0	674	675	99 +	105	779	40855	41529
UN26983	Rsa1.0_00028.1	1692	293984	0	846	862	98 +	827	1688	116337	117193
UN26984	Rsa1.0_09487.1	1001	6336	1.00E-151	274	275	99 +	727	1001	1624	1898
UN26985	Rsa1.0_03191.1	1460	145762	0	648	649	99 +	8	655	143382	144030
UN26986	Rsa1.0_00067.1	1270	415055	0	391	410	95 -	861	1267	138268	138672

UN26987	Rsa1.0_00972.1	908	57937	0	903	907	99 +	1	907	49805	50711
UN26988	Rsa1.0_00321.1	986	95671	1.00E-164	299	301	99 +	686	986	60424	60724
UN26989	Rsa1.0_25509.1	915	933	0	376	383	98 +	533	915	498	880
UN26990	Rsa1.0_03233.1	661	24446	0	659	661	99 +	1	661	20023	20683
UN26991	Rsa1.0_00124.1	695	262503	0	661	695	95 +	2	693	159689	160381
UN26992	Rsa1.0_00354.1	2285	232005	0	1418	1467	96 +	839	2284	175638	177099
UN26993	Rsa1.0_03969.1	606	19797	0	477	482	98 +	2	483	16515	16996
UN26994	Rsa1.0_00168.1	721	115870	0	683	721	94 +	2	721	16498	17216
UN26995	Rsa1.0_00122.1	1004	265937	7.00E-21	53	53	100 -	3	55	229896	229948
UN26996	Rsa1.0_00636.1	1658	71113	0	1645	1658	99 +	2	1656	27828	29485
UN26997	Rsa1.0_00280.1	1090	99966	0	1039	1093	95 +	1	1089	30053	31141
UN26998	Rsa1.0_01030.1	1037	56290	0	1000	1037	96 +	1	1035	42861	43877
UN26999	Rsa1.0_01819.1	862	38834	1.00E-164	300	301	99 -	3	303	28868	29167
UN27000	Rsa1.0_00122.1	1192	265937	0	341	341	100 +	852	1192	41203	41543
UN27001	Rsa1.0_05490.1	1366	13556	0	420	425	98 +	938	1362	13046	13470
UN27002	Rsa1.0_00232.1	1562	104936	0	1082	1092	99 +	12	1103	34957	36048
UN27003	Rsa1.0_01243.1	1237	50061	0	788	790	99 -	178	967	33078	33867
UN27004	Rsa1.0_01524.1	1934	43949	0	551	552	99 -	1	551	6560	7111
UN27005	Rsa1.0_04043.1	906	19416	4.00E-65	130	131	99 -	87	217	9751	9881
UN27006	Rsa1.0_01439.1	1126	45841	0	401	401	100 +	3	403	42551	42951
UN27007	Rsa1.0_20682.1	1164	1280	0	345	345	100 -	3	347	785	1129
UN27008	Rsa1.0_00251.1	980	303968	1.00E-179	321	322	99 +	658	979	59688	60009
UN27009	Rsa1.0_19447.1	629	1430	2.00E-94	222	236	94 -	1	233	146	378
UN27010	Rsa1.0_01495.1	1007	44613	0	416	427	97 +	2	423	17951	18376
UN27011	Rsa1.0_01416.1	464	46262	0	371	385	96 +	2	383	24735	25119
UN27012	Rsa1.0_00068.1	1408	151813	0	365	365	100 +	1044	1408	71030	71394
UN27013	Rsa1.0_00111.1	1564	390088	0	1182	1239	95 +	340	1560	60205	61436
UN27014	Rsa1.0_00638.1	960	71037	0	614	617	99 +	1	617	22302	22918
UN27015	Rsa1.0_01104.1	826	285480	1.00E-119	252	263	95 -	409	671	107190	107449
UN27016	Rsa1.0_02616.1	1444	29542	0	1420	1440	98 +	5	1444	5091	6530
UN27017	Rsa1.0_05248.1	969	14384	1.00E-128	233	233	100 +	1	233	1499	1731
UN27018	Rsa1.0_00224.1	1140	327530	1.00E-141	254	254	100 +	887	1140	44924	45177
UN27019	Rsa1.0_00073.1	846	240924	0	503	505	99 -	339	843	184125	184629
UN27020	Rsa1.0_02737.1	2091	28325	0	540	543	99 +	1473	2015	4879	5421
UN27021	Rsa1.0_00108.1	1477	478491	1.00E-137	260	264	98 -	1213	1476	433264	433527
UN27022	Rsa1.0_01982.1	1260	36530	0	717	718	99 +	369	1086	9616	10333
UN27023	Rsa1.0_00339.1	1108	222974	0	665	665	100 -	7	671	53200	53864
UN27024	Rsa1.0_00842.1	1584	62493	0	1531	1594	96 +	1	1584	35530	37113
UN27025	Rsa1.0_00085.1	517	142226	1.00E-132	239	239	100 -	279	517	26764	27002

UN27026	Rsa1.0.00387.1	993	495407	0	452	458	98 +	254	711	471842	472299
UN27027	Rsa1.0.05428.1	1611	13789	0	581	596	97 -	1016	1611	492	1078
UN27028	Rsa1.0.01078.1	795	316910	0	442	444	99 +	232	675	315807	316250
UN27029	Rsa1.0.01077.1	1313	54772	1.00E-113	226	232	97 -	997	1228	17216	17447
UN27030	Rsa1.0.27336.1	1358	857	1.00E-137	266	272	97 -	721	992	7	278
UN27031	Rsa1.0.02074.1	1289	35370	0	1137	1178	96 -	112	1289	30195	31372
UN27032	Rsa1.0.00020.1	1888	283099	0	771	831	92 -	292	1113	56021	56829
UN27033	Rsa1.0.02247.1	1258	33427	0	529	529	100 -	228	756	2209	2737
UN27034	#	#	#	#	#	#	#	#	#	#	#
UN27035	Rsa1.0.03560.1	1206	22092	1.00E-132	287	303	94 -	761	1063	6156	6458
UN27036	Rsa1.0.01410.1	1270	46345	3.00E-97	250	272	91 -	1003	1270	15769	16037
UN27037	Rsa1.0.00887.1	1245	61048	0	1068	1130	94 +	1	1120	47442	48567
UN27038	Rsa1.0.00030.1	984	250988	4.00E-87	182	188	96 -	3	190	184544	184731
UN27039	Rsa1.0.00198.1	807	222963	0	506	514	98 +	1	514	65033	65546
UN27040	Rsa1.0.00576.1	775	178949	1.00E-134	243	243	100 -	2	244	38889	39131
UN27041	Rsa1.0.02046.1	817	162733	0	416	419	99 -	1	419	33362	33780
UN27042	Rsa1.0.01749.1	1298	39822	0	441	475	92 -	121	595	28271	28736
UN27043	Rsa1.0.01390.1	1256	46695	1.00E-124	321	350	91 +	908	1256	36004	36332
UN27044	Rsa1.0.04090.1	770	19145	0	377	384	98 +	375	751	5750	6133
UN27045	Rsa1.0.04641.1	849	268012	0	380	392	96 -	3	392	132018	132409
UN27046	Rsa1.0.00158.1	1045	117999	0	860	863	99 -	1	863	102143	103005
UN27047	Rsa1.0.00018.1	1007	410899	0	520	543	95 -	2	543	63452	63982
UN27048	Rsa1.0.00426.1	1319	85668	0	393	401	98 +	2	402	67127	67527
UN27049	Rsa1.0.00064.1	1151	240927	0	544	546	99 -	1	545	87916	88461
UN27050	Rsa1.0.04578.1	1102	16774	0	372	372	100 +	731	1102	6018	6389
UN27051	Rsa1.0.25802.1	1168	919	1.00E-133	251	254	98 -	827	1080	666	919
UN27052	Rsa1.0.01196.1	1375	51097	0	341	343	99 -	1	343	47608	47950
UN27053	Rsa1.0.02624.1	1181	29402	0	705	709	99 -	29	737	3264	3972
UN27054	Rsa1.0.02808.1	1333	27677	0	385	403	95 +	792	1191	8151	8553
UN27055	Rsa1.0.04523.1	1135	16985	0	609	609	100 -	2	610	4844	5452
UN27056	Rsa1.0.31019.1	1149	738	0	381	383	99 -	3	385	42	424
UN27057	Rsa1.0.02320.1	1469	32575	0	1461	1469	99 +	1	1469	13124	14592
UN27058	Rsa1.0.11171.1	1105	5595	1.00E-37	84	85	98 +	523	607	5511	5595
UN27059	Rsa1.0.04877.1	1526	15631	0	936	936	100 +	7	942	2089	3024
UN27060	Rsa1.0.00207.1	1104	248736	0	364	365	99 -	740	1104	24111	24475
UN27061	Rsa1.0.03547.1	1002	22167	1.00E-129	249	254	98 +	553	806	3395	3648
UN27062	Rsa1.0.13369.1	502	4880	1.00E-170	302	302	100 -	200	501	3522	3823
UN27063	Rsa1.0.04001.1	1223	19623	0	961	966	99 -	258	1223	5713	6678
UN27064	Rsa1.0.01561.1	1309	43227	0	619	619	100 -	1	619	39415	40033

UN27065	Rsa1.0.01220.1	1287	161775	1.00E-128	322	350	92 -	14	354	128572	128920
UN27066	Rsa1.0.02288.1	656	32984	1.00E-164	345	359	96 -	301	655	1162	1519
UN27067	Rsa1.0.00632.1	802	183777	0	795	804	98 -	1	800	144915	145718
UN27068	Rsa1.0.02586.1	2022	29856	0	1341	1343	99 +	1	1343	17622	18964
UN27069	Rsa1.0.03315.1	856	23797	0	388	389	99 -	2	390	3758	4146
UN27070	Rsa1.0.00753.1	1298	65705	0	822	881	93 -	1	879	31719	32576
UN27071	Rsa1.0.00706.1	827	291570	0	773	825	93 -	3	827	25570	26384
UN27072	Rsa1.0.01936.1	694	37151	1.00E-169	534	611	87 -	89	691	31785	32395
UN27073	Rsa1.0.02870.1	933	27102	0	931	934	99 +	1	933	15111	16044
UN27074	Rsa1.0.11516.1	789	5481	1.00E-112	206	206	100 -	3	208	1681	1886
UN27075	Rsa1.0.00305.1	967	97308	0	443	459	96 -	509	967	63874	64326
UN27076	Rsa1.0.06421.1	1135	11053	0	1113	1136	97 +	1	1135	9136	10270
UN27077	Rsa1.0.05654.1	1592	13042	6.00E-47	304	372	81 +	1160	1531	5905	6274
UN27078	Rsa1.0.01442.1	590	45776	1.00E-150	314	329	95 -	2	330	25486	25814
UN27079	Rsa1.0.01018.1	1377	56685	0	422	425	99 -	953	1377	18623	19047
UN27080	Rsa1.0.02579.1	1048	29923	0	839	844	99 +	1	841	12609	13452
UN27081	Rsa1.0.00204.1	1452	109056	1.00E-175	360	376	95 +	1000	1375	33783	34158
UN27082	Rsa1.0.01812.1	934	38956	0	819	928	88 +	10	934	12923	13837
UN27083	Rsa1.0.45311.1	807	497	0	338	338	100 +	470	807	1	338
UN27084	Rsa1.0.00017.1	918	752458	0	439	458	95 +	459	916	368688	369145
UN27085	Rsa1.0.00845.1	987	62346	0	604	605	99 +	383	987	32702	33306
UN27086	Rsa1.0.03169.1	462	24826	1.00E-175	365	380	96 -	33	408	11675	12052
UN27087	Rsa1.0.03801.1	902	20762	0	885	900	98 +	3	902	7791	8690
UN27088	Rsa1.0.03311.1	1270	23850	0	1266	1269	99 -	1	1269	1914	3182
UN27089	Rsa1.0.04395.1	1508	17570	0	1498	1527	98 +	1	1508	6986	8511
UN27090	Rsa1.0.10922.1	938	5677	1.00E-43	157	179	87 +	206	384	1579	1757
UN27091	Rsa1.0.01470.1	994	45108	1.00E-135	260	265	98 +	565	829	36430	36694
UN27092	Rsa1.0.02409.1	1000	31663	0	784	837	93 +	1	830	24130	24948
UN27093	Rsa1.0.15554.1	1658	2545	0	351	355	98 -	423	777	804	1157
UN27094	Rsa1.0.00749.1	770	65933	1.00E-156	279	279	100 -	492	770	45793	46071
UN27095	Rsa1.0.00085.1	1204	142226	0	469	469	100 +	77	545	21930	22398
UN27096	Rsa1.0.00394.1	711	148426	0	523	552	94 -	3	545	138926	139466
UN27097	Rsa1.0.02281.1	1219	292576	1.00E-102	204	209	97 +	606	814	13026	13234
UN27098	Rsa1.0.00240.1	1388	104175	0	468	496	94 +	891	1386	51981	52464
UN27099	Rsa1.0.13819.1	647	4264	0	463	480	96 +	169	647	1651	2127
UN27100	Rsa1.0.04804.1	1013	15902	0	720	732	98 +	282	1013	4557	5288
UN27101	Rsa1.0.01971.1	1120	36641	1.00E-13	76	87	87 +	283	369	11560	11643
UN27102	Rsa1.0.01039.1	918	55946	0	359	370	97 -	358	727	51786	52154
UN27103	Rsa1.0.01147.1	673	52391	0	662	667	99 -	3	669	9579	10245

UN27104	Rsa1.0_01755.1	1180	155581	0	931	948	98 +	3	949	11023	11970
UN27105	Rsa1.0_01772.1	719	39557	0	560	560	100 +	159	718	5824	6383
UN27106	Rsa1.0_04764.1	1055	16088	0	507	567	89 +	232	776	1239	1795
UN27107	Rsa1.0_00013.1	814	292129	0	457	469	97 -	345	811	76950	77418
UN27108	Rsa1.0_02316.1	1282	32608	1.00E-141	255	255	100 -	1	255	18359	18613
UN27109	Rsa1.0_01476.1	953	172928	1.00E-154	301	309	97 +	645	953	148223	148526
UN27110	Rsa1.0_00936.1	618	59078	1.00E-157	284	285	99 -	334	618	58590	58874
UN27111	Rsa1.0_42146.1	1066	532	0	500	508	98 +	557	1064	14	520
UN27112	Rsa1.0_00748.1	652	65983	1.00E-106	216	222	97 +	359	580	65464	65682
UN27113	Rsa1.0_00251.1	993	303968	0	988	992	99 +	2	993	116824	117814
UN27114	Rsa1.0_03125.1	739	147978	1.00E-163	320	328	97 +	375	702	130250	130576
UN27115	#	#	#	#	#	#	#	#	#	#	#
UN27116	Rsa1.0_00176.1	744	240984	0	554	570	97 +	3	572	188323	188892
UN27117	Rsa1.0_02122.1	1044	34797	0	644	652	98 +	1	652	22600	23250
UN27118	Rsa1.0_02331.1	1055	32449	7.00E-55	122	126	96 -	588	713	9821	9946
UN27119	Rsa1.0_02404.1	859	31702	0	775	797	97 +	66	859	21958	22746
UN27120	Rsa1.0_01460.1	681	45255	1.00E-165	303	306	99 -	376	681	22221	22526
UN27121	Rsa1.0_00464.1	1275	82253	0	698	727	96 +	291	1017	61933	62659
UN27122	Rsa1.0_03033.1	848	25835	0	543	550	98 +	3	552	261	810
UN27123	Rsa1.0_00866.1	832	61676	1.00E-107	198	198	100 +	417	614	9131	9328
UN27124	Rsa1.0_02311.1	660	169900	0	478	487	98 -	1	486	158276	158762
UN27125	Rsa1.0_02750.1	1040	28239	0	547	553	98 -	3	554	17543	18095
UN27126	Rsa1.0_00068.1	1671	151813	0	477	489	97 +	698	1183	95261	95746
UN27127	Rsa1.0_11931.1	1371	5367	9.00E-98	203	210	96 +	393	602	5016	5225
UN27128	Rsa1.0_01243.1	759	50061	0	434	441	98 +	3	443	5476	5916
UN27129	Rsa1.0_07250.1	1442	9663	1.00E-100	262	290	90 -	1169	1439	6933	7222
UN27130	Rsa1.0_02414.1	985	31625	0	681	694	98 -	295	985	19091	19784
UN27131	Rsa1.0_03692.1	937	21338	4.00E-16	135	165	81 +	314	478	14853	15017
UN27132	Rsa1.0_02129.1	1748	34757	1.00E-131	254	259	98 +	961	1219	2277	2535
UN27133	Rsa1.0_00632.1	949	183777	2.00E-94	210	220	95 -	3	221	5048	5267
UN27134	Rsa1.0_01110.1	1288	195852	0	1274	1291	98 +	2	1288	27543	28833
UN27135	Rsa1.0_00089.1	1195	406142	1.00E-118	246	253	97 -	878	1130	96040	96290
UN27136	Rsa1.0_05541.1	937	139959	0	399	409	97 -	536	937	133796	134204
UN27137	Rsa1.0_02183.1	962	34170	0	421	443	95 -	1	435	19134	19576
UN27138	Rsa1.0_00105.1	885	134138	1.00E-159	406	445	91 -	453	884	100303	100745
UN27139	Rsa1.0_00930.1	891	59224	0	767	798	96 -	1	798	38123	38919
UN27140	Rsa1.0_00170.1	1178	179538	0	384	386	99 -	1	386	146002	146387
UN27141	Rsa1.0_02985.1	689	26256	0	536	566	94 -	9	569	18488	19051
UN27142	Rsa1.0_08434.1	1247	7362	0	439	463	94 +	782	1243	4378	4839

UN27182	Rsa1.0_00321.1	695	95671	1.00E-64	159	169	94 -	11	174	64387	64553
UN27183	Rsa1.0_08039.1	1110	8030	1.00E-126	380	427	88 +	684	1110	3759	4180
UN27184	Rsa1.0_00090.1	1866	273859	0	700	731	95 -	1135	1864	81587	82313
UN27185	Rsa1.0_00874.1	554	179723	0	539	579	93 +	2	554	24131	24709
UN27186	Rsa1.0_01026.1	727	171624	1.00E-106	220	226	97 +	1	222	138812	139037
UN27187	Rsa1.0_00308.1	911	96915	0	444	453	98 -	3	455	46038	46490
UN27188	Rsa1.0_00012.1	497	222148	0	472	522	90 -	6	497	74762	75280
UN27189	Rsa1.0_02643.1	788	29176	1.00E-104	227	235	96 +	1	230	6241	6475
UN27190	Rsa1.0_00035.1	846	176449	1.00E-152	330	345	95 +	481	825	90394	90730
UN27191	Rsa1.0_08517.1	685	7244	1.00E-24	131	155	84 +	205	359	1099	1253
UN27192	Rsa1.0_01733.1	809	40186	0	675	749	90 -	14	759	38151	38881
UN27193	Rsa1.0_02244.1	887	33494	1.00E-108	208	211	98 -	102	312	12852	13062
UN27194	Rsa1.0_02825.1	1330	27568	1.00E-123	279	295	94 +	1034	1326	1509	1802
UN27195	#	#	#	#	#	#	#	#	#	#	#
UN27196	Rsa1.0_00341.1	714	249309	1.00E-155	326	342	95 -	122	463	208697	209038
UN27197	Rsa1.0_02252.1	1111	33375	0	908	946	95 +	3	942	9852	10797
UN27198	Rsa1.0_07786.1	592	8569	2.00E-59	147	155	94 +	441	591	8397	8551
UN27199	Rsa1.0_01389.1	1159	46716	8.00E-95	189	193	97 +	577	769	26528	26720
UN27200	Rsa1.0_14273.1	1350	3588	1.00E-129	262	270	97 -	1064	1331	2237	2506
UN27201	Rsa1.0_00160.1	1551	346678	4.00E-17	158	195	81 +	573	767	175576	175770
UN27202	Rsa1.0_04001.1	863	19623	0	595	599	99 +	265	863	6743	7341
UN27203	Rsa1.0_00067.1	840	415055	0	353	362	97 -	478	839	18377	18738
UN27204	Rsa1.0_02747.1	1188	28247	0	894	918	97 +	282	1187	8170	9087
UN27205	Rsa1.0_00140.1	1308	121541	0	545	550	99 -	759	1308	103124	103672
UN27206	Rsa1.0_03325.1	833	23720	1.00E-101	188	188	100 -	351	538	8182	8369
UN27207	Rsa1.0_05719.1	1355	12836	0	1080	1087	99 -	269	1355	10178	11264
UN27208	Rsa1.0_00005.1	726	353093	0	686	719	95 -	3	719	300424	301140
UN27209	Rsa1.0_57699.1	893	397	1.00E-168	369	391	94 -	347	736	7	397
UN27210	Rsa1.0_01645.1	794	41748	1.00E-156	294	299	98 -	3	301	1680	1978
UN27211	Rsa1.0_00516.1	1098	78417	1.00E-160	295	298	98 +	1	298	30461	30758
UN27212	Rsa1.0_20689.1	1290	1279	1.00E-163	302	304	99 +	988	1290	15	318
UN27213	Rsa1.0_00237.1	925	235974	1.00E-128	273	284	96 +	644	925	83983	84265
UN27214	Rsa1.0_00347.1	1222	93048	1.00E-123	227	228	99 -	391	618	83484	83711
UN27215	Rsa1.0_00944.1	709	58733	0	697	708	98 +	3	707	46320	47027
UN27216	Rsa1.0_00967.1	1280	58049	0	727	746	97 +	1	746	16342	17087
UN27217	Rsa1.0_00341.1	911	249309	0	853	879	97 +	1	879	169042	169919
UN27218	Rsa1.0_07576.1	860	9098	0	483	496	97 +	363	857	2495	2989
UN27219	Rsa1.0_00025.1	1634	277312	0	887	893	99 -	536	1428	231989	232881
UN27220	Rsa1.0_00540.1	918	76895	1.00E-170	403	434	92 -	349	773	57305	57738

UN27221	Rsa1.0.00104.1	1371	368722	0	366	378	96 +	67	443	218004	218380
UN27222	Rsa1.0.05019.1	512	15114	1.00E-128	280	297	94 +	73	360	1	297
UN27223	Rsa1.0.02157.1	779	149652	0	775	778	99 +	2	779	8262	9039
UN27224	Rsa1.0.01530.1	1019	43820	1.00E-34	147	169	86 -	298	458	21802	21968
UN27225	Rsa1.0.00001.1	1147	363028	3.00E-91	198	206	96 +	2	205	99177	99382
UN27226	Rsa1.0.00145.1	766	261008	0	712	732	97 +	2	725	244146	244877
UN27227	Rsa1.0.00116.1	1181	365886	1.00E-127	261	268	97 -	916	1181	161010	161277
UN27228	Rsa1.0.02080.1	1190	35297	0	623	637	97 -	490	1123	1	636
UN27229	Rsa1.0.00312.1	734	96765	0	729	742	98 +	1	733	13603	14344
UN27230	Rsa1.0.00205.1	1673	193401	0	1600	1673	95 -	1	1666	183870	185536
UN27231	Rsa1.0.14689.1	1579	3155	1.00E-127	253	260	97 +	758	1017	1472	1731
UN27232	Rsa1.0.06412.1	1302	11060	1.00E-114	221	225	98 +	469	693	8074	8298
UN27233	Rsa1.0.00971.1	992	57973	0	379	390	97 +	600	989	56809	57198
UN27234	Rsa1.0.02196.1	782	34005	1.00E-168	347	364	95 -	3	366	13490	13839
UN27235	Rsa1.0.03135.1	565	25114	0	557	563	98 -	3	565	3780	4342
UN27236	Rsa1.0.04197.1	1065	18515	0	750	775	96 -	291	1063	7615	8382
UN27237	Rsa1.0.00131.1	763	432233	0	461	464	99 -	302	763	273272	273735
UN27238	Rsa1.0.05725.1	1220	12809	0	464	465	99 +	429	893	216	680
UN27239	Rsa1.0.01749.1	1019	39822	0	592	639	92 +	1	627	25319	25948
UN27240	Rsa1.0.02826.1	1281	27560	0	1234	1283	96 -	3	1281	20965	22244
UN27241	Rsa1.0.00281.1	985	99908	0	874	894	97 +	99	985	55802	56695
UN27242	Rsa1.0.00836.1	1240	185968	0	678	680	99 +	560	1239	163675	164354
UN27243	Rsa1.0.07490.1	901	9261	0	489	504	97 +	1	503	7216	7719
UN27244	Rsa1.0.08970.1	1551	6743	0	371	373	99 -	1179	1551	5591	5962
UN27245	Rsa1.0.06395.1	1111	11096	0	456	461	98 +	39	499	10389	10849
UN27246	Rsa1.0.00025.1	861	277312	0	815	862	94 +	1	861	86171	87012
UN27247	Rsa1.0.00060.1	1348	502678	1.00E-151	288	293	98 -	1060	1348	252673	252965
UN27248	Rsa1.0.01573.1	700	42964	1.00E-104	301	336	89 +	5	330	4783	5102
UN27249	Rsa1.0.00773.1	974	64839	0	912	972	93 +	22	972	19162	20130
UN27250	Rsa1.0.01053.1	406	55483	1.00E-179	387	407	95 -	1	406	3291	3693
UN27251	Rsa1.0.00026.1	549	327835	1.00E-156	322	335	96 -	3	337	123766	124099
UN27252	Rsa1.0.00801.1	809	63861	0	472	483	97 -	329	809	39344	39825
UN27253	Rsa1.0.00045.1	627	328694	0	508	530	95 -	90	617	175469	175997
UN27254	Rsa1.0.01321.1	772	48248	0	381	393	96 -	349	741	9566	9949
UN27255	Rsa1.0.01788.1	1338	39296	0	747	757	98 +	584	1338	19383	20138
UN27256	Rsa1.0.06604.1	618	10681	0	531	575	92 +	3	576	5922	6473
UN27257	Rsa1.0.00340.1	913	305782	0	874	934	93 +	2	913	145182	146103
UN27258	Rsa1.0.00241.1	997	104000	0	506	517	97 +	433	947	42214	42727
UN27259	Rsa1.0.03624.1	1078	21706	0	588	599	98 +	1	599	11079	11677

UN27260	Rsa1.0.00056.1	1093	332604	0	329	329	100 -	765	1093	214224	214552
UN27261	Rsa1.0.02070.1	915	158516	0	501	511	98 +	405	915	156434	156942
UN27262	Rsa1.0.06064.1	882	11832	0	865	903	95 -	1	882	7981	8882
UN27263	Rsa1.0.08597.1	1047	7144	0	758	813	93 +	1	810	2730	3528
UN27264	Rsa1.0.00769.1	1043	64911	0	504	514	98 -	2	511	32295	32808
UN27265	Rsa1.0.01424.1	1231	46139	1.00E-179	549	625	87 +	178	802	43607	44228
UN27266	Rsa1.0.00329.1	447	222544	1.00E-165	362	383	94 +	68	445	192494	192876
UN27267	Rsa1.0.01026.1	771	171624	0	631	680	92 -	2	672	33467	34128
UN27268	Rsa1.0.00857.1	1032	61904	0	386	387	99 -	646	1032	54640	55026
UN27269	Rsa1.0.00632.1	1575	183777	0	1228	1229	99 +	2	1230	58411	59639
UN27270	Rsa1.0.00105.1	1154	134138	0	536	547	97 +	146	692	60005	60550
UN27271	Rsa1.0.01896.1	631	37512	0	603	613	98 -	1	613	1472	2083
UN27272	Rsa1.0.00093.1	1152	214962	0	451	454	99 -	361	814	104980	105433
UN27273	Rsa1.0.00201.1	954	232851	0	386	393	98 +	162	554	128665	129057
UN27274	Rsa1.0.00420.1	1115	86496	0	415	432	96 -	2	433	80134	80565
UN27275	Rsa1.0.00387.1	1203	495407	0	418	434	96 -	770	1203	354557	354981
UN27276	Rsa1.0.00478.1	692	81419	1.00E-122	280	299	93 +	1	299	20479	20777
UN27277	Rsa1.0.08558.1	1285	7198	1.00E-118	228	232	98 -	9	240	6434	6665
UN27278	Rsa1.0.00449.1	1002	83863	2.00E-48	175	199	87 -	682	880	18317	18514
UN27279	Rsa1.0.12720.1	1052	5145	1.00E-90	612	750	81 +	262	998	81	811
UN27280	Rsa1.0.00088.1	720	141341	0	713	732	97 +	3	719	55393	56124
UN27281	Rsa1.0.00930.1	1142	59224	1.00E-139	344	375	91 -	767	1125	38960	39330
UN27282	Rsa1.0.00593.1	943	143463	1.00E-118	254	264	96 -	681	943	2882	3144
UN27283	Rsa1.0.00294.1	976	144860	1.00E-154	280	281	99 -	401	681	38794	39074
UN27284	Rsa1.0.01090.1	1278	54385	0	574	603	95 +	680	1278	28191	28790
UN27285	Rsa1.0.07607.1	918	9034	1.00E-163	309	315	98 +	4	313	2375	2689
UN27286	Rsa1.0.01703.1	1330	40713	1.00E-151	280	283	98 +	1	283	20293	20575
UN27287	Rsa1.0.01484.1	568	44806	1.00E-119	301	329	91 +	235	563	6960	7288
UN27288	Rsa1.0.47115.1	996	480	1.00E-152	279	281	99 -	716	996	122	402
UN27289	Rsa1.0.02074.1	541	35370	0	425	430	98 +	112	541	20788	21217
UN27290	Rsa1.0.04063.1	1101	19300	0	505	520	97 +	584	1101	11287	11801
UN27291	Rsa1.0.00233.1	689	104918	0	460	481	95 -	213	689	9857	10332
UN27292	Rsa1.0.21540.1	1690	1194	0	1148	1163	98 -	86	1247	1	1161
UN27293	Rsa1.0.00017.1	1378	752458	1.00E-104	208	213	97 -	204	416	751088	751300
UN27294	Rsa1.0.00607.1	716	73146	0	708	714	99 +	3	716	40449	41162
UN27295	Rsa1.0.01939.1	713	37124	0	618	627	98 -	80	706	2121	2747
UN27296	Rsa1.0.00037.1	1185	307838	0	641	665	96 -	522	1185	16628	17290
UN27297	Rsa1.0.01261.1	1130	49744	1.00E-179	338	342	98 +	1	339	35576	35917
UN27298	Rsa1.0.04797.1	955	15932	0	782	796	98 +	2	795	15062	15855

UN27299	Rsa1.0.00154.1	683	189461	1.00E-64	153	162	94 -	342	503	135334	135495
UN27300	Rsa1.0.03057.1	608	25724	0	329	331	99 -	276	606	6723	7053
UN27301	Rsa1.0.01515.1	990	170864	0	760	789	96 -	2	790	126884	127668
UN27302	Rsa1.0.11076.1	913	5624	3.00E-75	156	160	97 -	272	431	5098	5257
UN27303	Rsa1.0.00108.1	980	478491	1.00E-144	321	340	94 -	596	925	7735	8074
UN27304	Rsa1.0.05981.1	727	12043	1.00E-150	315	327	96 -	404	725	7311	7636
UN27305	Rsa1.0.10165.1	1021	5966	0	470	470	100 +	550	1019	5186	5655
UN27306	Rsa1.0.00040.1	966	324196	1.00E-164	308	313	98 +	292	604	259818	260130
UN27307	Rsa1.0.06950.1	1452	10122	0	1446	1453	99 +	1	1452	8153	9603
UN27308	Rsa1.0.00205.1	1260	193401	0	474	495	95 +	767	1260	13243	13735
UN27309	Rsa1.0.00088.1	604	141341	0	469	471	99 -	134	603	55224	55694
UN27310	Rsa1.0.00741.1	843	66117	0	381	384	99 +	460	843	45663	46046
UN27311	Rsa1.0.00078.1	1431	175053	1.00E-180	420	453	92 -	985	1428	47886	48337
UN27312	Rsa1.0.06955.1	896	10111	0	375	391	95 -	219	609	7836	8226
UN27313	Rsa1.0.02654.1	1218	29028	0	889	938	94 +	219	1149	21334	22257
UN27314	Rsa1.0.00343.1	1491	93570	0	449	449	100 +	386	834	4591	5039
UN27315	Rsa1.0.00104.1	961	368722	0	927	954	97 -	6	959	274297	275227
UN27316	Rsa1.0.01291.1	887	49159	1.00E-144	341	365	93 +	531	886	13663	14025
UN27317	Rsa1.0.02859.1	965	162118	0	417	421	99 -	545	965	14869	15288
UN27318	Rsa1.0.03083.1	1183	25520	0	393	403	97 -	781	1183	12283	12684
UN27319	Rsa1.0.00512.1	742	200277	1.00E-106	250	268	93 -	1	268	24322	24589
UN27320	Rsa1.0.00037.1	1322	307838	1.00E-140	285	294	96 +	1027	1320	27237	27529
UN27321	Rsa1.0.03581.1	1163	21965	1.00E-155	293	298	98 -	866	1163	14212	14509
UN27322	Rsa1.0.00546.1	772	76523	1.00E-119	321	355	90 -	368	714	4008	4347
UN27323	Rsa1.0.00273.1	1141	326186	0	604	619	97 -	523	1141	235617	236235
UN27324	Rsa1.0.01096.1	305	54266	1.00E-111	271	292	92 -	25	305	10261	10552
UN27325	Rsa1.0.04298.1	986	147466	0	453	455	99 +	2	456	5373	5827
UN27326	Rsa1.0.00679.1	598	68971	1.00E-129	238	239	99 +	146	384	57537	57775
UN27327	Rsa1.0.02212.1	1277	33840	0	367	375	97 -	892	1266	31209	31583
UN27328	Rsa1.0.02386.1	899	31895	0	897	898	99 -	2	899	16066	16963
UN27329	Rsa1.0.00571.1	681	329018	1.00E-157	303	309	98 -	373	681	2316	2623
UN27330	Rsa1.0.02074.1	785	35370	0	356	359	99 +	426	784	10903	11261
UN27331	Rsa1.0.13672.1	1024	4525	0	565	580	97 +	444	1023	2836	3414
UN27332	Rsa1.0.02863.1	892	27160	1.00E-163	337	349	96 +	540	883	14504	14852
UN27333	Rsa1.0.00363.1	1317	90968	0	691	731	94 -	23	738	38734	39461
UN27334	Rsa1.0.00108.1	1197	478491	2.00E-64	158	166	95 -	182	347	43807	43965
UN27335	Rsa1.0.01712.1	673	154210	0	668	671	99 -	2	672	34675	35345
UN27336	Rsa1.0.14340.1	1031	3501	0	447	479	93 -	556	1031	294	770
UN27337	Rsa1.0.01919.1	823	37272	0	487	515	94 -	308	821	13095	13601

UN27338	Rsa1.0.00816.1	846	403350	4.00E-65	130	131	99 -	8	138	400867	400997
UN27339	Rsa1.0.00387.1	756	495407	0	415	418	99 +	337	754	157729	158146
UN27340	Rsa1.0.02007.1	1216	36130	0	550	589	93 +	2	575	21790	22378
UN27341	Rsa1.0.00688.1	940	68396	0	647	695	93 +	226	916	30972	31642
UN27342	Rsa1.0.00384.1	765	89278	1.00E-177	335	342	97 +	4	345	73006	73347
UN27343	Rsa1.0.01004.1	849	56975	0	425	440	96 +	3	442	48499	48924
UN27344	Rsa1.0.01185.1	1127	149842	0	1082	1087	99 +	1	1087	142193	143279
UN27345	Rsa1.0.00832.1	1382	62622	0	837	839	99 +	1	839	21953	22791
UN27346	Rsa1.0.01221.1	959	50421	0	783	844	92 -	1	841	18191	19029
UN27347	Rsa1.0.10941.1	893	5670	0	882	896	98 +	1	891	4370	5265
UN27348	Rsa1.0.01958.1	1387	261128	1.00E-97	182	182	100 +	1	182	253792	253973
UN27349	Rsa1.0.01846.1	1250	38367	0	1199	1247	96 -	4	1246	15824	17066
UN27350	Rsa1.0.00056.1	1192	332604	0	333	334	99 +	859	1192	113294	113627
UN27351	Rsa1.0.01223.1	913	50392	1.00E-135	263	268	98 -	1	267	33728	33995
UN27352	Rsa1.0.01300.1	783	48942	0	382	401	95 +	382	781	27539	27939
UN27353	Rsa1.0.04520.1	1528	16995	0	566	569	99 +	960	1528	9371	9938
UN27354	Rsa1.0.02043.1	918	163754	4.00E-90	172	173	99 +	373	545	24681	24853
UN27355	Rsa1.0.00484.1	1004	203294	0	572	591	96 -	5	595	152428	153011
UN27356	Rsa1.0.02360.1	780	32203	0	514	570	90 +	237	780	28271	28830
UN27357	Rsa1.0.00555.1	1124	75920	0	518	537	96 -	261	797	2504	3040
UN27358	Rsa1.0.01121.1	843	53407	0	629	642	97 -	201	842	50837	51475
UN27359	Rsa1.0.08332.1	1009	7528	0	461	475	97 -	359	833	4254	4728
UN27360	Rsa1.0.01662.1	1212	41382	0	435	436	99 +	381	816	26599	27034
UN27361	Rsa1.0.72353.1	1163	317	1.00E-81	241	269	89 -	619	887	1	266
UN27362	Rsa1.0.08477.1	715	7295	1.00E-105	197	198	99 +	1	198	3127	3324
UN27363	Rsa1.0.00042.1	757	171507	0	736	757	97 +	1	757	100151	100903
UN27364	Rsa1.0.04179.1	725	18633	1.00E-111	277	300	92 -	426	721	17730	18027
UN27365	Rsa1.0.03092.1	1274	25448	0	1172	1176	99 -	99	1274	16987	18162
UN27366	Rsa1.0.00342.1	1061	93695	0	487	489	99 -	197	685	28069	28557
UN27367	Rsa1.0.00905.1	962	60110	0	568	591	96 -	4	593	31862	32451
UN27368	Rsa1.0.04820.1	1075	15857	0	402	413	97 +	663	1075	5526	5933
UN27369	Rsa1.0.00538.1	878	77149	0	362	363	99 +	516	878	70926	71288
UN27370	Rsa1.0.00925.1	798	59481	0	356	359	99 +	440	798	38881	39239
UN27371	Rsa1.0.04258.1	845	18254	0	489	514	95 -	2	506	4410	4923
UN27372	Rsa1.0.09986.1	1234	6049	1.00E-109	323	360	89 +	349	707	5215	5570
UN27373	Rsa1.0.00363.1	473	90968	0	457	477	95 -	2	473	13533	14007
UN27374	Rsa1.0.01056.1	1519	55449	0	694	710	97 -	810	1519	11801	12507
UN27375	Rsa1.0.02141.1	1002	34677	0	513	532	96 +	3	534	8942	9473
UN27376	Rsa1.0.20815.1	1052	1266	3.00E-17	65	71	91 -	7	77	860	930

UN27377	Rsa1.0.00438.1	1020	84861	1.00E-156	325	340	95 -	597	936	15677	16012
UN27378	Rsa1.0.01898.1	824	37491	0	466	479	97 -	345	823	1558	2036
UN27379	Rsa1.0.33083.1	817	687	1.00E-110	257	273	94 +	1	273	351	620
UN27380	Rsa1.0.02295.1	1272	149884	0	532	582	91 +	646	1218	19086	19652
UN27381	Rsa1.0.00806.1	1048	63674	0	1008	1046	96 +	2	1043	40447	41488
UN27382	Rsa1.0.03016.1	938	26000	0	919	943	97 -	1	938	21611	22552
UN27383	Rsa1.0.04918.1	1135	15441	0	754	772	97 +	365	1133	14333	15103
UN27384	Rsa1.0.05366.1	1413	14036	0	442	464	95 +	3	466	1331	1785
UN27385	Rsa1.0.02389.1	786	146428	0	650	669	97 +	118	786	131402	132070
UN27386	Rsa1.0.00579.1	818	148308	0	404	404	100 +	414	817	147546	147949
UN27387	Rsa1.0.04140.1	573	18879	1.00E-141	257	258	99 -	315	572	5603	5860
UN27388	Rsa1.0.04711.1	1049	16282	0	412	416	99 +	2	415	6889	7304
UN27389	Rsa1.0.07019.1	1156	10020	1.00E-81	181	187	96 -	18	203	9297	9482
UN27390	Rsa1.0.02256.1	1458	33329	0	353	357	98 -	1100	1456	15530	15886
UN27391	Rsa1.0.02992.1	975	26176	0	598	605	98 -	1	604	20329	20933
UN27392	Rsa1.0.03560.1	993	22092	1.00E-126	310	337	91 +	660	990	5170	5506
UN27393	Rsa1.0.08840.1	815	6871	0	434	449	96 -	370	814	4213	4658
UN27394	Rsa1.0.22597.1	1382	1108	0	939	957	98 +	1	957	156	1108
UN27395	Rsa1.0.00805.1	1307	63724	0	402	425	94 -	568	983	31490	31914
UN27396	Rsa1.0.03289.1	825	24011	0	552	564	97 -	2	564	20277	20840
UN27397	Rsa1.0.01016.1	1415	181422	1.00E-171	336	345	97 +	1072	1415	52330	52674
UN27398	Rsa1.0.00865.1	696	61686	0	476	499	95 +	184	682	39292	39790
UN27399	Rsa1.0.05816.1	1202	12562	1.00E-157	282	282	100 +	3	284	4223	4504
UN27400	Rsa1.0.07447.1	1044	9380	0	566	572	98 -	3	573	8315	8886
UN27401	Rsa1.0.07287.1	1309	9615	0	415	415	100 -	895	1309	7536	7950
UN27402	Rsa1.0.00031.1	1052	179862	1.00E-126	247	253	97 +	707	959	51072	51324
UN27403	Rsa1.0.02220.1	1120	176031	0	1086	1122	96 +	1	1120	135	1247
UN27404	Rsa1.0.00010.1	1116	294827	1.00E-116	244	253	96 -	28	280	221675	221926
UN27405	Rsa1.0.00619.1	1048	71985	0	1024	1048	97 +	1	1048	49680	50727
UN27406	Rsa1.0.03964.1	833	19835	5.00E-12	81	94	86 -	118	210	16898	16991
UN27407	Rsa1.0.00838.1	1012	153820	0	654	673	97 +	312	984	4745	5417
UN27408	Rsa1.0.02085.1	250	35198	1.00E-131	246	249	98 +	1	249	15212	15460
UN27409	Rsa1.0.25608.1	541	928	0	532	535	99 -	6	540	238	772
UN27410	Rsa1.0.00996.1	1025	57222	1.00E-175	336	344	97 -	14	357	53540	53883
UN27411	Rsa1.0.00031.1	557	179862	1.00E-145	282	288	97 +	2	289	64524	64809
UN27412	Rsa1.0.03313.1	990	23834	0	960	998	96 +	4	990	15642	16635
UN27413	Rsa1.0.00698.1	924	67816	0	698	713	97 -	1	713	43060	43769
UN27414	Rsa1.0.00236.1	1130	104771	0	634	661	95 +	8	656	41080	41738
UN27415	Rsa1.0.01803.1	875	173846	3.00E-87	232	252	92 +	599	846	18351	18599

UN27416	Rsa1.0.00602.1	675	73302	0	454	455	99 +	219	673	58483	58937
UN27417	Rsa1.0.01039.1	904	55946	0	692	711	97 +	192	902	16302	17012
UN27418	Rsa1.0.00129.1	1217	126831	0	820	858	95 -	382	1217	67023	67880
UN27419	Rsa1.0.00387.1	952	495407	0	830	864	96 -	35	891	17850	18713
UN27420	Rsa1.0.00577.1	807	174827	4.00E-77	156	159	98 +	229	387	170863	171021
UN27421	Rsa1.0.00153.1	1055	192931	0	1010	1049	96 -	1	1047	132445	133490
UN27422	Rsa1.0.03193.1	1026	24690	0	979	991	98 +	2	991	8282	9272
UN27423	Rsa1.0.01584.1	925	42811	0	767	808	94 +	2	808	20682	21489
UN27424	Rsa1.0.01023.1	1621	56571	0	533	533	100 +	1	533	6260	6792
UN27425	Rsa1.0.03577.1	1155	143993	0	404	415	97 -	74	488	6645	7053
UN27426	Rsa1.0.01846.1	1559	38367	0	540	549	98 -	1	549	18990	19538
UN27427	Rsa1.0.08326.1	678	7534	0	672	678	99 -	1	678	1655	2332
UN27428	Rsa1.0.00425.1	1339	147080	0	744	765	97 -	579	1338	89105	89865
UN27429	Rsa1.0.00832.1	1268	62622	1.00E-136	285	294	96 -	3	293	15429	15722
UN27430	Rsa1.0.00079.1	718	606987	0	556	571	97 +	149	718	489770	490340
UN27431	Rsa1.0.47695.1	845	474	1.00E-141	273	279	97 -	3	281	1	279
UN27432	Rsa1.0.07074.1	796	9944	0	794	796	99 +	1	796	3096	3891
UN27433	Rsa1.0.07100.1	905	9896	0	848	878	96 -	26	898	4768	5642
UN27434	Rsa1.0.03935.1	949	19983	1.00E-77	148	148	100 -	239	386	6893	7040
UN27435	Rsa1.0.00487.1	1229	80674	0	591	613	96 -	622	1229	10346	10956
UN27436	Rsa1.0.00694.1	1406	68074	0	863	864	99 -	543	1406	6377	7240
UN27437	Rsa1.0.00034.1	1199	260119	0	977	1144	85 -	27	1153	100664	101790
UN27438	Rsa1.0.00019.1	1165	301669	0	709	714	99 -	452	1165	149146	149857
UN27439	Rsa1.0.05314.1	1452	14169	1.00E-102	189	189	100 +	465	653	1	189
UN27440	Rsa1.0.05707.1	884	12872	0	784	785	99 +	1	785	12088	12872
UN27441	Rsa1.0.03609.1	566	21798	0	549	561	97 +	6	566	11142	11702
UN27442	Rsa1.0.00056.1	1262	332604	0	451	455	99 -	1	454	181030	181483
UN27443	Rsa1.0.00330.1	1235	94666	0	1125	1126	99 -	2	1127	84024	85149
UN27444	Rsa1.0.01913.1	692	37363	0	608	663	91 -	9	668	24442	25099
UN27445	Rsa1.0.00390.1	1250	88681	0	703	769	91 -	402	1169	16795	17562
UN27446	#	#	#	#	#	#	#	#	#	#	#
UN27447	Rsa1.0.00112.1	1426	132199	1.00E-148	273	275	99 +	670	944	71853	72127
UN27448	Rsa1.0.00855.1	1903	62047	0	1168	1168	100 -	164	1331	5071	6238
UN27449	Rsa1.0.01809.1	1024	39004	0	381	381	100 -	1	381	18864	19244
UN27450	Rsa1.0.00128.1	246	228675	4.00E-65	174	189	92 +	68	245	83328	83515
UN27451	#	#	#	#	#	#	#	#	#	#	#
UN27452	Rsa1.0.00048.1	1131	167185	1.00E-144	309	324	95 +	810	1131	100204	100523
UN27453	Rsa1.0.04159.1	957	18795	4.00E-90	210	225	93 +	158	373	7345	7569
UN27454	Rsa1.0.01180.1	767	51517	0	740	745	99 +	26	765	45834	46578

UN27455	Rsa1.0.00042.1	605	171507	2.00E-29	128	149	85 -	1	142	105310	105458
UN27456	Rsa1.0.00550.1	1695	210790	0	417	424	98 -	153	576	190847	191267
UN27457	Rsa1.0.00532.1	1442	77384	0	1440	1443	99 -	1	1441	32133	33575
UN27458	Rsa1.0.12539.1	834	5198	0	795	801	99 -	23	819	196	996
UN27459	Rsa1.0.01273.1	1090	49464	1.00E-59	149	158	94 -	230	386	31788	31945
UN27460	Rsa1.0.00275.1	678	210104	1.00E-149	296	303	97 +	1	302	154367	154667
UN27461	Rsa1.0.05496.1	827	13533	0	659	663	99 +	60	721	3832	4493
UN27462	Rsa1.0.00131.1	1347	432233	0	578	578	100 -	3	580	402020	402597
UN27463	Rsa1.0.00206.1	554	109040	1.00E-158	283	283	100 -	270	552	39409	39691
UN27464	Rsa1.0.00511.1	1098	78616	0	861	873	98 -	2	872	59056	59928
UN27465	Rsa1.0.00774.1	319	64831	1.00E-172	316	318	99 +	1	318	7227	7543
UN27466	Rsa1.0.00123.1	892	325650	0	862	890	96 -	2	891	175916	176805
UN27467	Rsa1.0.01540.1	1162	151890	0	805	805	100 +	358	1162	125351	126155
UN27468	Rsa1.0.05428.1	918	13789	0	916	919	99 -	1	918	5350	6267
UN27469	Rsa1.0.01501.1	858	44532	0	506	509	99 +	1	509	36652	37160
UN27470	Rsa1.0.00441.1	1128	84607	0	343	343	100 -	531	873	10629	10971
UN27471	Rsa1.0.00300.1	1384	97747	0	468	515	90 +	4	489	85265	85779
UN27472	Rsa1.0.04544.1	1130	16917	0	1088	1117	97 +	8	1124	12501	13608
UN27473	Rsa1.0.00248.1	863	163568	0	858	861	99 -	3	863	24337	25197
UN27474	Rsa1.0.00205.1	1042	193401	1.00E-178	337	344	97 +	698	1041	53365	53708
UN27475	Rsa1.0.00398.1	1124	88007	0	467	487	95 -	1	484	35201	35683
UN27476	Rsa1.0.03598.1	1350	21858	0	770	784	98 +	75	853	11767	12550
UN27477	Rsa1.0.00881.1	1185	61260	0	1185	1185	100 -	1	1185	21137	22321
UN27478	Rsa1.0.01972.1	1172	36634	0	402	407	98 -	765	1171	2725	3131
UN27479	Rsa1.0.01144.1	702	52431	0	542	563	96 -	1	560	20853	21408
UN27480	Rsa1.0.02769.1	953	28107	0	468	476	98 -	1	476	13370	13842
UN27481	Rsa1.0.00356.1	899	91521	0	440	470	93 +	392	849	46820	47286
UN27482	Rsa1.0.14336.1	1142	3503	0	793	824	96 +	12	818	909	1732
UN27483	Rsa1.0.01081.1	854	499226	1.00E-152	279	281	99 -	4	284	455366	455646
UN27484	Rsa1.0.03692.1	938	21338	1.00E-124	241	246	97 -	544	789	2781	3026
UN27485	Rsa1.0.08373.1	1200	7455	0	1087	1214	89 -	1	1199	5331	6506
UN27486	Rsa1.0.00012.1	1231	222148	0	574	607	94 +	594	1185	190310	190913
UN27487	Rsa1.0.33679.1	1075	673	0	461	475	97 +	437	902	1	474
UN27488	Rsa1.0.02586.1	942	29856	0	496	532	93 +	414	942	19482	19995
UN27489	Rsa1.0.03934.1	753	19984	0	742	752	98 +	1	752	3302	4052
UN27490	Rsa1.0.00028.1	684	293984	0	681	682	99 +	3	684	228902	229583
UN27491	Rsa1.0.00067.1	1796	415055	0	1157	1175	98 +	625	1796	211659	212833
UN27492	Rsa1.0.14951.1	773	2939	5.00E-49	188	215	87 +	30	241	531	745
UN27493	Rsa1.0.14538.1	896	3287	0	880	904	97 +	2	896	583	1485

UN27494	Rsa1.0.08427.1	1325	7371	2.00E-77	358	422	84 +	1	418	4494	4912
UN27495	Rsa1.0.00157.1	849	245832	0	703	714	98 +	20	733	156426	157138
UN27496	Rsa1.0.00294.1	1339	144860	1.00E-133	275	285	96 +	1055	1339	23941	24224
UN27497	Rsa1.0.00190.1	763	318240	0	366	366	100 -	1	366	12061	12426
UN27498	Rsa1.0.00990.1	902	57445	0	458	459	99 +	3	461	25495	25953
UN27499	Rsa1.0.04139.1	1108	18883	1.00E-139	264	268	98 +	841	1108	7120	7387
UN27500	Rsa1.0.00411.1	1099	86944	0	1099	1100	99 -	1	1099	13763	14862
UN27501	Rsa1.0.01118.1	1368	53460	0	460	467	98 +	800	1266	11739	12205
UN27502	Rsa1.0.08183.1	1218	7775	0	555	579	95 -	645	1217	4924	5498
UN27503	Rsa1.0.04434.1	1342	17377	0	1124	1137	98 -	1	1124	10607	11743
UN27504	Rsa1.0.03983.1	815	19715	0	810	813	99 +	1	813	4062	4874
UN27505	Rsa1.0.00080.1	1610	190437	4.00E-79	151	151	100 -	665	815	24542	24692
UN27506	Rsa1.0.00455.1	1259	224823	0	1244	1256	99 +	1	1256	164582	165837
UN27507	Rsa1.0.00785.1	1334	64356	0	910	930	97 +	404	1332	12375	13297
UN27508	Rsa1.0.01193.1	633	51147	0	627	632	99 -	1	632	27472	28103
UN27509	Rsa1.0.00327.1	1275	94892	0	627	644	97 +	1	644	22327	22969
UN27510	Rsa1.0.00800.1	934	63868	0	695	696	99 -	6	700	8666	9361
UN27511	Rsa1.0.00919.1	519	59675	2.00E-50	312	385	81 -	73	446	33479	33840
UN27512	Rsa1.0.03880.1	992	20293	0	399	417	95 -	1	406	13302	13718
UN27513	Rsa1.0.00221.1	569	106972	0	565	572	98 -	1	568	55062	55632
UN27514	Rsa1.0.01445.1	727	45671	0	713	742	96 -	2	723	33207	33948
UN27515	Rsa1.0.38999.1	631	577	1.00E-128	282	296	95 -	1	295	1	295
UN27516	Rsa1.0.02761.1	1004	28151	1.00E-176	338	345	97 -	1	344	27136	27480
UN27517	Rsa1.0.04561.1	743	16849	1.00E-86	189	197	95 -	91	284	9818	10014
UN27518	Rsa1.0.01000.1	709	57140	1.00E-149	268	268	100 -	276	543	44976	45243
UN27519	Rsa1.0.11161.1	532	5599	0	523	526	99 +	2	527	197	722
UN27520	Rsa1.0.00495.1	736	79934	0	586	625	93 +	109	733	14814	15422
UN27521	Rsa1.0.00842.1	821	62493	0	483	526	91 -	1	503	36579	37095
UN27522	Rsa1.0.02846.1	873	27338	0	707	744	95 -	130	873	20930	21673
UN27523	Rsa1.0.00707.1	1545	190112	0	1510	1539	98 -	7	1545	9893	11429
UN27524	Rsa1.0.04552.1	1488	16878	0	1437	1492	96 +	9	1485	7020	8502
UN27525	Rsa1.0.06536.1	1166	10821	0	1157	1160	99 -	2	1161	8637	9796
UN27526	Rsa1.0.01424.1	423	46139	0	420	421	99 -	1	421	23812	24232
UN27527	Rsa1.0.01421.1	1227	46197	0	435	436	99 -	7	441	30027	30462
UN27528	#	#	#	#	#	#	#	#	#	#	#
UN27529	Rsa1.0.01574.1	887	42930	0	834	860	96 -	28	887	13051	13909
UN27530	Rsa1.0.02529.1	1342	30437	0	1064	1067	99 -	1	1066	13569	14635
UN27531	Rsa1.0.00047.1	1070	168582	0	987	1066	92 -	6	1068	17385	18439
UN27532	Rsa1.0.06691.1	767	10532	0	756	769	98 -	3	767	6242	7010

UN27533	Rsa1.0.02245.1	825	33478	3.00E-47	164	185	88 +	639	822	30388	30572
UN27534	Rsa1.0.02521.1	860	30562	1.00E-109	201	201	100 -	660	860	6592	6792
UN27535	Rsa1.0.03498.1	1020	22480	0	641	649	98 +	1	646	18248	18896
UN27536	Rsa1.0.00119.1	704	467509	0	598	602	99 -	1	598	299443	300044
UN27537	Rsa1.0.03679.1	1574	21409	0	1249	1327	94 -	1	1315	13347	14669
UN27538	Rsa1.0.00300.1	1087	97747	0	1058	1086	97 -	3	1087	88819	89902
UN27539	Rsa1.0.00009.1	682	232558	1.00E-149	274	276	99 +	406	681	8171	8446
UN27540	Rsa1.0.03735.1	1635	21087	0	535	535	100 +	122	656	3643	4177
UN27541	Rsa1.0.00277.1	885	100132	0	683	691	98 +	4	690	35471	36161
UN27542	Rsa1.0.00347.1	550	93048	2.00E-66	138	141	97 -	182	322	74987	75127
UN27543	Rsa1.0.00263.1	674	224968	1.00E-178	317	317	100 +	358	674	140880	141196
UN27544	Rsa1.0.09441.1	1238	6367	0	496	499	99 +	1	499	5041	5539
UN27545	Rsa1.0.00223.1	872	106231	4.00E-71	143	145	98 +	162	306	36883	37027
UN27546	Rsa1.0.00543.1	1093	76788	1.00E-148	288	295	97 -	339	633	39411	39705
UN27547	Rsa1.0.11861.1	505	5388	0	502	503	99 -	1	503	3294	3796
UN27548	Rsa1.0.03096.1	620	25437	0	592	614	96 +	1	614	6508	7121
UN27549	Rsa1.0.02410.1	1130	31659	0	403	404	99 +	1	404	10635	11038
UN27550	Rsa1.0.00923.1	1030	153678	1.00E-138	258	261	98 +	598	858	21021	21281
UN27551	Rsa1.0.03474.1	1225	147790	1.00E-99	329	371	88 +	701	1055	131715	132084
UN27552	Rsa1.0.10003.1	954	6042	0	951	955	99 +	1	954	1671	2625
UN27553	Rsa1.0.01102.1	599	53987	1.00E-137	251	252	99 +	1	252	5252	5503
UN27554	Rsa1.0.00090.1	1135	273859	0	524	577	90 -	2	561	138994	139564
UN27555	Rsa1.0.01303.1	1497	48853	1.00E-127	235	236	99 +	426	661	44189	44424
UN27556	Rsa1.0.03352.1	1109	23506	0	1039	1047	99 -	70	1109	5113	6159
UN27557	Rsa1.0.01246.1	1095	49968	1.00E-115	254	267	95 -	2	267	29527	29793
UN27558	Rsa1.0.00956.1	1437	58304	0	1412	1437	98 -	1	1437	20254	21688
UN27559	Rsa1.0.01969.1	766	153351	0	718	785	91 -	1	761	14136	14902
UN27560	Rsa1.0.26178.1	977	903	0	789	791	99 -	187	977	114	903
UN27561	Rsa1.0.00082.1	582	237584	1.00E-142	269	272	98 -	311	582	41408	41678
UN27562	Rsa1.0.02997.1	1129	26150	0	938	995	94 +	130	1115	3419	4410
UN27563	Rsa1.0.02986.1	1363	26212	0	647	650	99 -	3	652	18049	18698
UN27564	Rsa1.0.00446.1	1255	167829	1.00E-155	297	303	98 -	948	1250	130666	130968
UN27565	Rsa1.0.00341.1	968	249309	0	913	981	93 -	1	968	3235	4195
UN27566	Rsa1.0.00585.1	1418	74164	1.00E-164	318	326	97 +	775	1100	49228	49553
UN27567	Rsa1.0.01781.1	783	39410	0	700	701	99 +	4	704	4069	4769
UN27568	Rsa1.0.00006.1	735	396176	0	406	411	98 -	321	731	61463	61873
UN27569	Rsa1.0.00945.1	1241	58714	0	795	795	100 -	447	1241	4176	4970
UN27570	Rsa1.0.03832.1	1283	20577	0	455	477	95 +	336	803	8373	8849
UN27571	Rsa1.0.04561.1	1099	16849	0	1069	1071	99 -	1	1071	4119	5188

UN27572	Rsa1.0.05355.1	928	14069	0	670	677	98 -	252	928	1	677
UN27573	Rsa1.0.00841.1	1448	183065	0	1344	1393	96 +	4	1394	44628	46017
UN27574	Rsa1.0.00463.1	738	189177	0	371	376	98 -	363	738	115918	116293
UN27575	Rsa1.0.00498.1	953	79746	0	610	635	96 -	326	952	50206	50834
UN27576	Rsa1.0.01312.1	1284	48401	3.00E-23	60	61	98 +	910	970	2913	2973
UN27577	Rsa1.0.04043.1	1130	19416	1.00E-133	277	286	96 -	3	285	10615	10897
UN27578	Rsa1.0.04242.1	1001	18340	0	999	1011	98 -	1	1001	14771	15781
UN27579	Rsa1.0.00106.1	1350	133916	0	496	500	99 -	669	1167	59737	60236
UN27580	Rsa1.0.00168.1	745	115870	0	635	641	99 -	105	745	41696	42336
UN27581	Rsa1.0.03368.1	1366	23382	1.00E-127	293	311	94 +	4	312	985	1295
UN27582	Rsa1.0.00833.1	1832	62621	0	596	601	99 +	1230	1830	40507	41107
UN27583	Rsa1.0.01701.1	887	162121	1.00E-175	318	320	99 -	3	322	22280	22599
UN27584	Rsa1.0.00017.1	1102	752458	0	383	387	98 +	715	1101	718544	718929
UN27585	Rsa1.0.00493.1	603	80007	0	599	604	99 +	1	603	68218	68821
UN27586	Rsa1.0.15037.1	574	2878	0	549	570	96 -	3	572	1018	1575
UN27587	Rsa1.0.00434.1	789	85171	1.00E-128	246	249	98 -	1	248	76093	76341
UN27588	Rsa1.0.00267.1	1363	101509	0	627	635	98 -	1	634	72937	73568
UN27589	Rsa1.0.03055.1	651	25730	0	566	597	94 +	1	596	4530	5116
UN27590	Rsa1.0.01553.1	858	43379	0	837	857	97 -	2	858	26918	27774
UN27591	Rsa1.0.04823.1	925	15840	1.00E-138	276	285	96 +	3	287	11455	11739
UN27592	Rsa1.0.02942.1	1446	26577	0	1412	1446	97 -	1	1446	10996	12433
UN27593	Rsa1.0.01397.1	1319	183276	0	1020	1037	98 -	283	1319	25566	26595
UN27594	Rsa1.0.00375.1	1036	90207	7.00E-24	169	202	83 +	77	278	37635	37828
UN27595	Rsa1.0.00387.1	1035	495407	0	977	994	98 -	2	991	280003	280996
UN27596	Rsa1.0.01201.1	834	50856	1.00E-131	278	290	95 +	1	290	44531	44819
UN27597	Rsa1.0.00251.1	588	303968	8.00E-81	156	157	99 -	1	157	298626	298782
UN27598	Rsa1.0.00118.1	2108	130637	0	2104	2107	99 +	2	2108	80638	82744
UN27599	Rsa1.0.00293.1	1029	339294	1.00E-112	209	210	99 -	716	925	30489	30698
UN27600	Rsa1.0.00051.1	1479	258225	0	494	508	97 -	460	967	3232	3739
UN27601	Rsa1.0.03053.1	1163	25745	0	344	347	99 +	817	1163	13555	13901
UN27602	Rsa1.0.00830.1	1616	62685	0	854	858	99 -	216	1073	49712	50569
UN27603	Rsa1.0.00020.1	1448	283099	0	645	656	98 +	589	1244	58982	59637
UN27604	Rsa1.0.03036.1	978	25826	1.00E-118	225	228	98 +	156	383	13375	13602
UN27605	Rsa1.0.03304.1	1443	23883	0	1001	1043	95 +	360	1396	18843	19873
UN27606	Rsa1.0.07346.1	1352	9526	0	680	680	100 +	271	950	8847	9526
UN27607	Rsa1.0.00275.1	696	210104	0	336	338	99 +	208	545	171479	171816
UN27608	Rsa1.0.54575.1	1265	418	0	416	418	99 +	816	1233	1	418
UN27609	Rsa1.0.15220.1	1035	2748	0	393	410	95 +	1	409	2339	2748
UN27610	Rsa1.0.04311.1	1046	17984	0	830	855	97 +	27	877	418	1272

UN27611	Rsa1.0_04321.1	644	17930	1.00E-179	336	342	98 +	302	643	3668	4009
UN27612	Rsa1.0_00246.1	574	103541	1.00E-167	300	301	99 -	89	389	43624	43924
UN27613	Rsa1.0_00878.1	578	330303	2.00E-13	43	44	97 -	1	44	113643	113686
UN27614	Rsa1.0_00392.1	1307	88523	1.00E-140	660	796	82 -	38	803	83379	84163
UN27615	Rsa1.0_06335.1	185	11216	3.00E-87	169	171	98 +	12	182	6932	7102
UN27616	Rsa1.0_00124.1	614	262503	0	609	610	99 +	4	613	169448	170057
UN27617	Rsa1.0_08114.1	903	7883	0	651	652	99 +	252	903	6163	6814
UN27618	Rsa1.0_03166.1	956	24863	0	729	743	98 -	214	955	23283	24025
UN27619	Rsa1.0_01164.1	1320	51934	1.00E-152	289	294	98 +	1027	1320	43900	44193
UN27620	#	#	#	#	#	#	#	#	#	#	#
UN27621	Rsa1.0_00252.1	1106	102760	0	1106	1106	100 +	1	1106	100536	101641
UN27622	Rsa1.0_04741.1	930	16164	0	924	930	99 -	1	930	12681	13610
UN27623	Rsa1.0_01382.1	877	46877	0	600	689	87 -	138	825	22142	22829
UN27624	Rsa1.0_03566.1	831	22050	0	637	638	99 -	1	637	14133	14770
UN27625	Rsa1.0_01603.1	549	42468	1.00E-131	307	328	93 -	220	546	38952	39267
UN27626	Rsa1.0_00399.1	666	242951	0	661	664	99 +	3	664	14466	15129
UN27627	#	#	#	#	#	#	#	#	#	#	#
UN27628	Rsa1.0_04097.1	632	19090	0	613	633	96 -	1	632	6635	7267
UN27629	Rsa1.0_00915.1	1265	194446	0	1019	1025	99 +	1	1025	155198	156222
UN27630	Rsa1.0_00031.1	823	179862	0	417	423	98 -	401	823	117302	117724
UN27631	Rsa1.0_07130.1	1497	9861	1.00E-163	552	637	86 +	320	930	7568	8175
UN27632	Rsa1.0_18138.1	1198	1658	2.00E-21	141	170	82 +	458	627	831	1000
UN27633	Rsa1.0_00407.1	710	191544	1.00E-140	279	285	97 -	271	554	169505	169788
UN27634	Rsa1.0_00017.1	1341	752458	0	1337	1343	99 +	1	1341	149858	151200
UN27635	Rsa1.0_01862.1	890	38030	1.00E-107	201	202	99 +	245	446	13290	13491
UN27636	Rsa1.0_00119.1	993	467509	0	968	992	97 -	1	992	49965	50953
UN27637	Rsa1.0_01543.1	1223	43645	0	472	485	97 +	2	486	11258	11742
UN27638	Rsa1.0_07636.1	819	8971	0	529	530	99 -	290	819	4919	5448
UN27639	Rsa1.0_03997.1	1056	19652	1.00E-130	358	391	91 -	12	400	5326	5701
UN27640	Rsa1.0_01433.1	1314	45976	0	569	569	100 +	310	878	6422	6990
UN27641	Rsa1.0_00863.1	682	254535	0	568	594	95 +	87	680	247666	248253
UN27642	Rsa1.0_01670.1	643	41260	0	367	372	98 -	12	383	1382	1753
UN27643	Rsa1.0_29451.1	1018	782	1.00E-113	211	212	99 +	129	340	571	782
UN27644	Rsa1.0_06218.1	1071	11461	0	1060	1070	99 -	2	1071	5583	6652
UN27645	Rsa1.0_01112.1	487	310601	1.00E-121	223	224	99 -	1	224	287342	287565
UN27646	Rsa1.0_17021.1	752	1951	0	502	506	99 +	1	506	715	1220
UN27647	Rsa1.0_01017.1	920	56714	1.00E-123	224	224	100 -	362	585	18251	18474
UN27648	Rsa1.0_00150.1	1286	154416	0	1259	1286	97 +	4	1286	15963	17246
UN27649	Rsa1.0_00376.1	1189	90101	0	370	377	98 +	815	1189	69648	70024

UN27650	Rsa1.0_00857.1	338	61904	1.00E-65	199	222	89 +	5	222	20381	20599
UN27651	Rsa1.0_10130.1	1512	5985	0	727	736	98 +	352	1080	296	1031
UN27652	Rsa1.0_02588.1	997	29840	0	895	929	96 -	85	995	19028	19956
UN27653	Rsa1.0_60580.1	1379	378	0	365	368	99 -	271	638	5	372
UN27654	Rsa1.0_02930.1	1124	26668	0	1108	1120	98 -	1	1120	8940	10058
UN27655	Rsa1.0_04093.1	880	19106	0	407	413	98 +	417	829	1581	1993
UN27656	Rsa1.0_00329.1	460	222544	0	383	383	100 +	78	460	192494	192876
UN27657	Rsa1.0_03278.1	685	24125	1.00E-166	441	485	90 +	199	683	8114	8595
UN27658	Rsa1.0_05707.1	1743	12872	0	1461	1467	99 -	279	1743	442	1908
UN27659	Rsa1.0_00279.1	868	100039	0	766	785	97 -	3	786	36226	37007
UN27660	Rsa1.0_13322.1	1431	4918	0	967	971	99 +	3	971	30	1000
UN27661	Rsa1.0_00033.1	1575	515811	0	1570	1575	99 +	1	1575	66252	67825
UN27662	Rsa1.0_00013.1	1304	292129	0	885	892	99 -	251	1141	276701	277591
UN27663	Rsa1.0_05134.1	930	143181	0	886	936	94 -	3	930	137729	138649
UN27664	Rsa1.0_00087.1	1231	761073	0	1206	1230	98 +	1	1230	612676	613905
UN27665	Rsa1.0_00203.1	660	109129	0	486	499	97 +	162	660	36184	36682
UN27666	Rsa1.0_01647.1	1020	41645	0	414	419	98 -	602	1020	41223	41641
UN27667	Rsa1.0_02513.1	465	30643	0	463	464	99 +	2	465	26421	26884
UN27668	Rsa1.0_00017.1	837	752458	3.00E-84	290	324	89 +	519	837	54639	54951
UN27669	Rsa1.0_00122.1	1586	265937	0	561	571	98 +	779	1348	59602	60170
UN27670	Rsa1.0_04969.1	841	15283	0	820	834	98 +	6	838	4720	5548
UN27671	Rsa1.0_00197.1	1100	109714	0	635	640	99 +	1	640	73191	73828
UN27672	Rsa1.0_00111.1	1566	390088	0	409	420	97 +	595	1014	155414	155833
UN27673	Rsa1.0_05056.1	1318	14981	1.00E-124	254	263	96 +	789	1051	8495	8757
UN27674	Rsa1.0_00632.1	1529	183777	0	634	636	99 -	894	1529	26588	27223
UN27675	Rsa1.0_00775.1	997	64793	0	971	994	97 -	4	997	52947	53937
UN27676	Rsa1.0_02313.1	907	32653	0	509	509	100 -	399	907	9499	10007
UN27677	Rsa1.0_00022.1	1323	200461	0	1151	1194	96 +	137	1323	178283	179475
UN27678	Rsa1.0_00161.1	1107	116891	0	381	384	99 +	1	384	85918	86301
UN27679	Rsa1.0_01709.1	882	40587	0	881	882	99 -	1	882	14902	15783
UN27680	Rsa1.0_01194.1	677	51113	0	657	672	97 -	6	677	23100	23771
UN27681	Rsa1.0_06516.1	1240	10866	0	396	399	99 +	37	435	4508	4906
UN27682	Rsa1.0_24897.1	940	962	0	509	514	99 +	1	512	449	962
UN27683	Rsa1.0_00094.1	1136	139042	0	1103	1141	96 +	1	1136	46962	48094
UN27684	Rsa1.0_00787.1	514	64239	0	380	382	99 +	133	514	18413	18794
UN27685	Rsa1.0_74014.1	1026	310	1.00E-167	304	306	99 +	557	862	1	306
UN27686	Rsa1.0_07827.1	790	8466	1.00E-180	332	336	98 +	3	338	2147	2482
UN27687	Rsa1.0_00912.1	780	59923	1.00E-156	306	315	97 +	225	539	46660	46974
UN27688	Rsa1.0_02415.1	614	31609	0	612	615	99 +	1	612	10312	10926

UN27689	Rsa1.0.00364.1	1525	90951	0	1018	1029	98 +	1	1029	5227	6255
UN27690	Rsa1.0.00341.1	1266	249309	0	519	520	99 -	747	1266	213027	213546
UN27691	Rsa1.0.00090.1	1044	273859	1.00E-134	252	255	98 +	505	759	143363	143617
UN27692	Rsa1.0.02301.1	1282	32835	0	613	615	99 +	1	615	28180	28794
UN27693	Rsa1.0.02300.1	1205	32847	0	728	741	98 -	465	1204	4491	5230
UN27694	Rsa1.0.01824.1	1120	38733	0	988	1035	95 +	93	1120	29079	30112
UN27695	Rsa1.0.01696.1	826	301850	0	395	404	97 -	184	587	26660	27063
UN27696	Rsa1.0.01327.1	1191	48033	0	859	859	100 -	333	1191	42388	43246
UN27697	Rsa1.0.00003.1	1274	340054	1.00E-147	397	442	89 +	3	433	326362	326791
UN27698	Rsa1.0.02510.1	1371	30662	0	701	726	96 +	645	1370	17208	17925
UN27699	#	#	#	#	#	#	#	#	#	#	#
UN27700	Rsa1.0.00545.1	803	189649	0	451	467	96 -	340	800	44779	45243
UN27701	Rsa1.0.01806.1	1166	39021	0	483	510	94 +	654	1163	24551	25044
UN27702	Rsa1.0.17697.1	959	1763	0	482	485	99 -	405	889	3	487
UN27703	Rsa1.0.52144.1	679	436	0	403	404	99 -	1	403	1	404
UN27704	Rsa1.0.00138.1	1417	247040	1.00E-164	305	309	98 -	249	557	16076	16384
UN27705	Rsa1.0.00045.1	1216	328694	0	602	604	99 -	2	605	225052	225655
UN27706	Rsa1.0.01612.1	391	42255	1.00E-129	234	234	100 +	156	389	12739	12972
UN27707	Rsa1.0.06444.1	1101	11008	1.00E-167	317	323	98 +	2	324	5542	5864
UN27708	Rsa1.0.00336.1	1162	445051	0	430	431	99 -	733	1162	39557	39987
UN27709	Rsa1.0.00333.1	1048	94500	0	1041	1046	99 +	3	1048	64579	65624
UN27710	Rsa1.0.00521.1	1379	78191	1.00E-125	399	456	87 +	916	1371	76300	76755
UN27711	Rsa1.0.00879.1	955	61297	2.00E-45	135	146	92 -	790	934	31652	31796
UN27712	Rsa1.0.00186.1	1926	112669	0	606	609	99 +	463	1071	53607	54215
UN27713	Rsa1.0.01695.1	796	40848	0	460	494	93 -	312	793	10495	10988
UN27714	Rsa1.0.00608.1	789	172672	0	379	382	99 -	403	784	165742	166123
UN27715	Rsa1.0.00478.1	1120	81419	0	1098	1110	98 -	9	1118	36534	37643
UN27716	Rsa1.0.03159.1	1097	24946	0	1063	1070	99 +	29	1097	20824	21893
UN27717	Rsa1.0.00831.1	1074	62673	0	928	1053	88 +	15	1065	13855	14897
UN27718	Rsa1.0.04464.1	1151	17241	3.00E-88	263	294	89 +	418	711	4	296
UN27719	Rsa1.0.01760.1	1509	39730	0	334	334	100 +	1	334	11090	11423
UN27720	Rsa1.0.00096.1	1382	198773	0	783	788	99 -	7	794	37587	38374
UN27721	Rsa1.0.01361.1	743	47226	0	432	446	96 -	1	444	22995	23440
UN27722	Rsa1.0.08550.1	876	7211	0	586	605	96 +	270	874	6016	6620
UN27723	Rsa1.0.04132.1	1396	18917	1.00E-160	339	354	95 +	25	377	6	358
UN27724	Rsa1.0.03338.1	1674	136346	0	908	932	97 -	2	930	7781	8712
UN27725	Rsa1.0.01315.1	1291	48361	0	1273	1274	99 +	19	1291	28492	29765
UN27726	Rsa1.0.00087.1	933	761073	0	395	403	98 +	526	928	179191	179592
UN27727	Rsa1.0.00002.1	1229	601661	0	1173	1194	98 +	37	1229	256858	258051

UN27728	Rsa1.0.03113.1	703	25318	0	677	710	95 -	2	695	15777	16479
UN27729	Rsa1.0.01126.1	936	53127	0	527	552	95 +	1	540	29080	29624
UN27730	Rsa1.0.13382.1	1104	4874	2.00E-82	315	369	85 -	539	889	396	764
UN27731	Rsa1.0.05904.1	1745	12279	5.00E-57	223	258	86 +	744	1000	538	795
UN27732	Rsa1.0.01772.1	830	39557	1.00E-144	271	275	98 +	552	826	9880	10154
UN27733	Rsa1.0.01155.1	645	52182	0	573	608	94 -	42	643	18089	18687
UN27734	Rsa1.0.00083.1	1127	442773	0	599	628	95 +	505	1126	425236	425863
UN27735	Rsa1.0.00248.1	1365	163568	0	480	488	98 +	551	1038	42447	42934
UN27736	Rsa1.0.00519.1	761	197864	0	758	759	99 +	3	761	163270	164028
UN27737	Rsa1.0.00418.1	578	215377	1.00E-168	333	343	97 +	236	576	194451	194793
UN27738	Rsa1.0.03579.1	961	21969	0	853	866	98 -	1	860	10637	11502
UN27739	Rsa1.0.02494.1	1158	132923	0	1156	1158	99 +	1	1158	117127	118283
UN27740	Rsa1.0.02085.1	1039	35198	0	981	1031	95 -	2	1028	18304	19311
UN27741	Rsa1.0.00053.1	1042	263459	0	948	974	97 +	71	1041	156957	157924
UN27742	Rsa1.0.00803.1	1560	144228	0	548	549	99 +	1013	1560	38543	39091
UN27743	Rsa1.0.01887.1	948	37564	0	377	381	98 +	3	383	23869	24249
UN27744	Rsa1.0.00614.1	895	72276	0	868	892	97 -	4	895	9075	9965
UN27745	Rsa1.0.01064.1	1029	55295	0	1010	1042	96 -	1	1028	49400	50432
UN27746	Rsa1.0.08217.1	1266	7707	0	425	432	98 +	836	1266	177	608
UN27747	Rsa1.0.05262.1	1178	14334	0	459	495	92 -	1	485	12878	13357
UN27748	Rsa1.0.03143.1	1516	25024	0	1035	1038	99 +	479	1516	12212	13249
UN27749	Rsa1.0.00133.1	1553	123768	0	1108	1247	88 +	155	1395	79865	81105
UN27750	Rsa1.0.00706.1	1588	291570	0	455	456	99 +	441	896	31804	32259
UN27751	Rsa1.0.00344.1	860	191774	1.00E-122	243	250	97 -	79	328	182012	182261
UN27752	Rsa1.0.00595.1	1323	341648	0	1077	1107	97 +	2	1108	25488	26591
UN27753	Rsa1.0.05923.1	1139	12230	0	628	646	97 +	1	644	1946	2590
UN27754	Rsa1.0.02394.1	1234	31789	3.00E-39	96	100	96 +	249	348	5746	5845
UN27755	Rsa1.0.00015.1	1547	561803	0	1247	1259	99 -	289	1547	16882	18140
UN27756	Rsa1.0.03188.1	1150	24722	0	762	781	97 +	370	1150	6193	6973
UN27757	Rsa1.0.01273.1	739	49464	0	329	330	99 +	1	330	40095	40424
UN27758	Rsa1.0.02076.1	926	153121	0	378	387	97 +	85	470	32925	33311
UN27759	Rsa1.0.00190.1	368	318240	1.00E-120	339	379	89 -	1	368	13256	13626
UN27760	Rsa1.0.02812.1	813	27660	1.00E-115	455	532	85 +	3	494	3631	4155
UN27761	Rsa1.0.10431.1	1386	5853	0	918	924	99 +	196	1119	4930	5853
UN27762	Rsa1.0.07379.1	1254	9492	0	1239	1251	99 -	3	1253	5757	7007
UN27763	Rsa1.0.13531.1	949	4748	0	555	563	98 -	385	947	180	742
UN27764	Rsa1.0.00980.1	916	57729	0	883	915	96 +	2	916	7895	8800
UN27765	Rsa1.0.00211.1	1112	228189	0	1007	1053	95 +	61	1112	215327	216355
UN27766	Rsa1.0.00836.1	1304	185968	0	1120	1134	98 -	174	1302	180242	181375

UN27767	Rsa1.0.01910.1	884	37405	0	529	530	99 -	1	530	14209	14738
UN27768	Rsa1.0.09195.1	978	6565	3.00E-44	95	96	98 +	3	98	6181	6276
UN27769	Rsa1.0.00816.1	663	403350	0	534	557	95 +	9	565	360164	360712
UN27770	Rsa1.0.00294.1	1523	144860	0	1344	1370	98 +	2	1362	117900	119269
UN27771	Rsa1.0.00465.1	1488	82138	0	609	612	99 -	1	612	75654	76264
UN27772	Rsa1.0.19760.1	1292	1387	0	550	561	98 -	1	561	1	560
UN27773	Rsa1.0.13974.1	1326	3969	0	658	661	99 +	542	1202	2458	3118
UN27774	Rsa1.0.27853.1	1276	837	0	349	351	99 +	1	351	174	524
UN27775	Rsa1.0.00341.1	1511	249309	0	941	983	95 -	510	1480	209481	210459
UN27776	Rsa1.0.00722.1	820	66840	0	418	444	94 +	34	468	20493	20936
UN27777	Rsa1.0.01038.1	1137	55956	0	738	749	98 -	2	749	34768	35515
UN27778	Rsa1.0.08526.1	1029	7236	0	965	1004	96 -	23	1024	4562	5557
UN27779	Rsa1.0.05599.1	1167	143653	0	394	402	98 +	734	1135	142334	142735
UN27780	Rsa1.0.00055.1	1591	520193	0	417	427	97 -	821	1247	61321	61747
UN27781	Rsa1.0.09265.1	1280	6519	0	458	464	98 -	816	1279	5339	5801
UN27782	Rsa1.0.02606.1	1280	29635	1.00E-176	313	313	100 +	967	1279	13308	13620
UN27783	Rsa1.0.10563.1	690	5800	0	569	625	91 -	68	689	4609	5220
UN27784	Rsa1.0.01771.1	937	172709	1.00E-167	381	408	93 -	8	405	12559	12963
UN27785	Rsa1.0.17073.1	1115	1934	0	749	750	99 -	366	1115	1185	1934
UN27786	Rsa1.0.04383.1	835	17631	1.00E-124	229	230	99 -	527	756	11091	11320
UN27787	Rsa1.0.01237.1	1192	50124	0	875	877	99 +	317	1192	44401	45276
UN27788	Rsa1.0.00335.1	1054	94371	0	895	914	97 +	3	915	10721	11633
UN27789	Rsa1.0.09513.1	1092	6322	0	1086	1094	99 +	1	1092	4280	5373
UN27790	Rsa1.0.01153.1	752	52264	0	402	411	97 +	38	448	34936	35346
UN27791	Rsa1.0.03225.1	857	24500	0	804	859	93 +	1	857	18747	19582
UN27792	Rsa1.0.00878.1	694	330303	0	465	481	96 -	213	692	131845	132319
UN27793	Rsa1.0.01166.1	1220	51877	0	474	491	96 +	730	1219	8577	9067
UN27794	Rsa1.0.01515.1	836	170864	0	478	479	99 +	359	836	157969	158447
UN27795	Rsa1.0.00131.1	839	432233	0	835	837	99 -	1	837	406702	407538
UN27796	Rsa1.0.03596.1	965	21862	1.00E-144	308	322	95 +	151	471	18115	18433
UN27797	Rsa1.0.03955.1	682	19884	0	627	660	95 -	29	679	18864	19522
UN27798	Rsa1.0.02385.1	728	31907	0	342	348	98 +	148	495	11441	11788
UN27799	Rsa1.0.04202.1	853	18479	0	572	595	96 +	262	853	3006	3600
UN27800	Rsa1.0.00070.1	724	150321	0	474	476	99 -	249	724	84813	85288
UN27801	Rsa1.0.00428.1	864	85599	0	814	841	96 +	4	842	6738	7572
UN27802	Rsa1.0.00388.1	934	88890	0	426	428	99 +	1	428	33295	33722
UN27803	Rsa1.0.00059.1	917	159650	0	639	671	95 +	3	672	70728	71391
UN27804	Rsa1.0.02059.1	667	35532	1.00E-115	210	210	100 +	223	432	31337	31546
UN27805	Rsa1.0.02062.1	644	35485	2.00E-84	245	269	91 -	13	274	16493	16752

UN27806	Rsa1.0.00460.1	590	206387	2.00E-53	110	111	99 -	3	113	50444	50554
UN27807	Rsa1.0.00293.1	808	339294	0	499	500	99 +	309	808	89958	90457
UN27808	Rsa1.0.00762.1	1898	165246	0	1711	1718	99 -	1	1718	32878	34588
UN27809	Rsa1.0.47563.1	1099	475	1.00E-120	261	277	94 +	413	677	199	475
UN27810	Rsa1.0.07970.1	708	8156	1.00E-152	318	333	95 +	3	335	6094	6421
UN27811	Rsa1.0.00093.1	1039	214962	0	476	482	98 +	560	1039	13902	14383
UN27812	Rsa1.0.02007.1	778	36130	3.00E-25	90	99	90 +	240	336	14832	14930
UN27813	Rsa1.0.00343.1	1238	93570	0	1230	1243	98 -	1	1238	62808	64047
UN27814	Rsa1.0.25265.1	771	944	1.00E-178	319	320	99 +	32	351	315	634
UN27815	Rsa1.0.04200.1	788	18490	0	770	789	97 -	1	786	9692	10479
UN27816	Rsa1.0.00168.1	1522	115870	0	518	518	100 +	1001	1518	76605	77122
UN27817	Rsa1.0.03885.1	852	20256	0	818	849	96 -	3	850	18106	18948
UN27818	Rsa1.0.05462.1	1096	13671	0	1073	1100	97 -	1	1096	4862	5961
UN27819	Rsa1.0.00542.1	1190	76831	0	434	440	98 +	751	1190	10245	10682
UN27820	Rsa1.0.00179.1	1033	393324	0	591	600	98 +	37	636	230392	230991
UN27821	Rsa1.0.01848.1	473	38312	1.00E-178	432	472	91 -	2	473	2	449
UN27822	Rsa1.0.00282.1	963	177799	0	913	917	99 +	1	916	91387	92303
UN27823	Rsa1.0.01292.1	745	175783	1.00E-80	191	202	94 +	543	743	2295	2492
UN27824	Rsa1.0.00433.1	1239	85381	0	590	604	97 +	383	986	58786	59389
UN27825	Rsa1.0.10566.1	915	5799	0	876	887	98 +	1	886	3552	4438
UN27826	Rsa1.0.12582.1	1183	5184	0	426	427	99 +	327	753	4758	5184
UN27827	Rsa1.0.00388.1	1246	88890	1.00E-176	326	330	98 +	357	686	31435	31764
UN27828	Rsa1.0.08114.1	1389	7883	0	795	818	97 +	306	1120	6168	6984
UN27829	Rsa1.0.00464.1	747	82253	0	398	399	99 +	1	399	32302	32700
UN27830	Rsa1.0.04666.1	723	16466	0	721	721	100 -	2	722	5638	6358
UN27831	Rsa1.0.23234.1	1130	1063	0	391	396	98 -	5	400	169	562
UN27832	Rsa1.0.04925.1	991	15424	0	773	800	96 -	200	990	1048	1845
UN27833	Rsa1.0.10327.1	541	5887	0	532	539	98 +	3	541	5161	5699
UN27834	Rsa1.0.00060.1	763	502678	1.00E-153	280	282	99 +	335	616	57446	57727
UN27835	#	#	#	#	#	#	#	#	#	#	#
UN27836	Rsa1.0.00781.1	817	64480	1.00E-144	267	268	99 -	198	465	31184	31450
UN27837	Rsa1.0.00019.1	522	301669	0	515	522	98 -	2	522	288293	288813
UN27838	Rsa1.0.00522.1	998	78103	2.33E-156	275	279	98 -	5	283	25952	26230
UN27839	Rsa1.0.01042.1	830	293264	1.00E-155	307	316	97 +	1	313	163097	163412
UN27840	Rsa1.0.03025.1	1008	25910	0	825	831	99 +	143	968	17782	18612
UN27841	Rsa1.0.00123.1	356	325650	0	351	352	99 +	4	355	22870	23221
UN27842	Rsa1.0.00903.1	623	60228	0	606	639	94 -	1	622	6265	6903
UN27843	Rsa1.0.00269.1	809	341668	1.00E-160	359	381	94 +	437	809	306853	307232
UN27844	Rsa1.0.01744.1	899	39910	0	862	907	95 -	1	893	35427	36321

UN27845	Rsa1.0_06924.1	1172	10158	0	354	357	99 -	246	602	6353	6709
UN27846	Rsa1.0_29322.1	633	786	0	610	626	97 +	11	633	1	624
UN27847	Rsa1.0_04668.1	1352	16456	6.00E-68	135	136	99 -	921	1056	14242	14377
UN27848	Rsa1.0_00168.1	797	115870	0	409	426	96 -	295	720	28692	29117
UN27849	Rsa1.0_00017.1	877	752458	0	622	685	90 -	137	795	367673	368357
UN27850	Rsa1.0_02020.1	1138	173211	0	1114	1142	97 -	1	1138	156518	157648
UN27851	Rsa1.0_00411.1	796	86944	0	739	758	97 +	6	761	64506	65261
UN27852	Rsa1.0_02781.1	795	27964	0	780	790	98 -	6	794	1249	2036
UN27853	Rsa1.0_07849.1	701	8425	0	361	361	100 +	341	701	2074	2434
UN27854	Rsa1.0_00028.1	982	293984	1.00E-169	320	324	98 -	653	973	41557	41880
UN27855	Rsa1.0_04282.1	1105	18100	0	994	1032	96 +	75	1105	13726	14754
UN27856	Rsa1.0_00274.1	336	210119	2.33E-156	318	333	95 +	2	334	189600	189927
UN27857	Rsa1.0_08666.1	1437	7063	1.00E-145	262	262	100 -	496	757	5190	5451
UN27858	Rsa1.0_00304.1	1091	97429	0	860	957	89 -	161	1091	66916	67851
UN27859	Rsa1.0_00387.1	1104	495407	0	1066	1111	95 -	1	1104	376840	377948
UN27860	Rsa1.0_00769.1	1003	64911	0	396	397	99 +	1	397	31508	31903
UN27861	Rsa1.0_00341.1	719	249309	0	673	718	93 -	3	711	82409	83121
UN27862	Rsa1.0_05923.1	1020	12230	0	387	404	95 -	632	1020	4127	4530
UN27863	Rsa1.0_00426.1	1054	85668	0	422	435	97 -	211	645	31242	31676
UN27864	Rsa1.0_12540.1	1136	5198	0	1069	1107	96 -	31	1136	3408	4510
UN27865	Rsa1.0_01732.1	1002	40194	0	769	770	99 -	233	1002	39425	40194
UN27866	Rsa1.0_03785.1	765	20883	0	346	347	99 +	1	347	12650	12996
UN27867	Rsa1.0_00272.1	986	447836	0	404	417	96 -	572	986	339471	339886
UN27868	Rsa1.0_13492.1	1223	4775	1.00E-144	353	384	91 +	741	1119	1575	1958
UN27869	Rsa1.0_00510.1	1277	78718	0	739	742	99 -	2	743	25008	25749
UN27870	Rsa1.0_00541.1	1240	76863	0	1005	1044	96 -	194	1229	11080	12123
UN27871	Rsa1.0_13830.1	1135	4249	0	508	514	98 +	4	517	2529	3041
UN27872	Rsa1.0_00491.1	1158	80219	0	1117	1169	95 +	13	1158	64155	65317
UN27873	Rsa1.0_00025.1	911	277312	0	856	910	94 +	3	911	86171	87059
UN27874	Rsa1.0_03036.1	1404	25826	0	1114	1120	99 +	210	1329	11773	12892
UN27875	Rsa1.0_00002.1	1001	601661	0	812	834	97 +	170	1001	220618	221451
UN27876	Rsa1.0_05310.1	711	14192	1.00E-116	224	227	98 +	242	466	3135	3361
UN27877	Rsa1.0_01011.1	1420	56883	0	1413	1419	99 +	2	1418	44193	45611
UN27878	Rsa1.0_34475.1	1066	656	0	433	441	98 +	624	1064	173	613
UN27879	Rsa1.0_00050.1	908	237174	7.00E-36	103	110	93 +	545	654	186052	186160
UN27880	Rsa1.0_00301.1	606	365315	0	426	436	97 -	171	606	223249	223684
UN27881	Rsa1.0_13592.1	1190	4685	0	598	605	98 +	466	1069	1155	1758
UN27882	Rsa1.0_02684.1	721	28676	0	673	674	99 +	48	721	22387	23060
UN27883	Rsa1.0_29900.1	1232	768	0	763	770	99 +	13	781	1	768

UN27884	Rsa1.0_00128.1	714	228675	5.00E-24	188	228	82 -	422	649	222121	222343
UN27885	Rsa1.0_03634.1	577	145192	0	553	571	96 -	1	564	128113	128681
UN27886	Rsa1.0_03062.1	1257	25678	0	550	563	97 -	8	566	8124	8686
UN27887	Rsa1.0_00160.1	887	346678	0	846	857	98 +	5	861	28080	28936
UN27888	Rsa1.0_00004.1	1304	253996	0	469	492	95 +	802	1289	233983	234471
UN27889	Rsa1.0_01361.1	826	47226	0	775	809	95 +	18	825	15458	16266
UN27890	Rsa1.0_01616.1	819	42137	0	542	551	98 +	3	553	23433	23983
UN27891	Rsa1.0_36427.1	1128	619	0	444	445	99 +	1	445	175	619
UN27892	Rsa1.0_00040.1	1539	324196	0	1024	1027	99 +	1	1027	71004	72030
UN27893	Rsa1.0_00163.1	702	116847	0	664	713	93 +	1	700	85483	86192
UN27894	Rsa1.0_00577.1	671	174827	0	665	672	98 +	1	671	143082	143752
UN27895	Rsa1.0_00684.1	859	141701	0	502	502	100 -	1	502	66961	67462
UN27896	Rsa1.0_00060.1	1153	502678	0	939	948	99 -	208	1153	395216	396162
UN27897	Rsa1.0_38998.1	1063	577	0	402	407	98 -	391	797	1	407
UN27898	Rsa1.0_01176.1	998	51638	0	994	997	99 -	2	998	3827	4823
UN27899	Rsa1.0_00447.1	1063	84051	0	654	671	97 -	1	671	28097	28767
UN27900	Rsa1.0_00025.1	819	277312	0	789	801	98 -	1	800	86206	87004
UN27901	Rsa1.0_00100.1	795	249232	0	334	334	100 -	462	795	186167	186500
UN27902	Rsa1.0_10113.1	1172	5992	0	961	977	98 -	71	1047	1930	2903
UN27903	Rsa1.0_01579.1	1001	42860	0	470	499	94 +	505	1001	23243	23723
UN27904	Rsa1.0_00651.1	861	247766	0	856	863	99 +	1	861	233625	234486
UN27905	Rsa1.0_30196.1	1418	760	1.00E-147	414	456	90 +	1	453	102	548
UN27906	Rsa1.0_02444.1	1461	31350	0	1381	1433	96 +	33	1460	24542	25974
UN27907	Rsa1.0_01857.1	667	38103	0	645	672	95 +	1	665	29108	29776
UN27908	Rsa1.0_01004.1	858	56975	0	383	404	94 +	469	858	29824	30227
UN27909	Rsa1.0_03413.1	615	23137	0	598	620	96 +	2	615	18233	18852
UN27910	Rsa1.0_16699.1	641	2062	0	493	512	96 +	130	641	501	1012
UN27911	Rsa1.0_03032.1	678	25836	1.00E-126	243	247	98 -	435	678	11001	11247
UN27912	Rsa1.0_04250.1	977	18264	0	948	983	96 -	1	977	514	1490
UN27913	Rsa1.0_04919.1	1239	15440	0	1100	1132	97 -	1	1132	9644	10765
UN27914	Rsa1.0_02599.1	1399	29660	0	436	447	97 +	953	1399	2198	2641
UN27915	Rsa1.0_14545.1	661	3284	1.00E-117	263	278	94 -	384	661	1674	1950
UN27916	Rsa1.0_00541.1	1037	76863	0	498	502	99 -	537	1037	75501	76002
UN27917	Rsa1.0_00713.1	982	158017	0	504	507	99 +	476	982	12893	13398
UN27918	Rsa1.0_00816.1	1338	403350	0	659	698	94 -	1	682	120486	121173
UN27919	Rsa1.0_00009.1	852	232558	0	572	588	97 +	226	806	59834	60421
UN27920	Rsa1.0_01954.1	662	145554	1.00E-135	277	285	97 +	375	658	9206	9489
UN27921	Rsa1.0_00806.1	897	63674	1.00E-154	276	276	100 +	1	276	25508	25783
UN27922	Rsa1.0_00362.1	1052	299497	0	393	407	96 -	651	1052	222670	223076

UN27923	Rsa1.0.02827.1	862	27544	0	834	862	96 -	2	862	17223	18075
UN27924	Rsa1.0.09146.1	1267	6610	0	669	671	99 +	597	1267	5609	6279
UN27925	Rsa1.0.03998.1	1063	19651	1.00E-142	256	256	100 -	268	523	11534	11789
UN27926	Rsa1.0.01232.1	1135	155185	0	748	761	98 +	373	1133	114298	115057
UN27927	Rsa1.0.02322.1	1081	32555	1.00E-104	226	236	95 +	442	677	10955	11189
UN27928	Rsa1.0.00725.1	1288	66757	0	727	769	94 +	537	1288	26554	27307
UN27929	Rsa1.0.00124.1	642	262503	0	562	567	99 +	72	638	194245	194811
UN27930	Rsa1.0.02791.1	711	27832	0	685	706	97 -	8	710	20453	21158
UN27931	Rsa1.0.04212.1	496	18439	1.00E-159	308	315	97 +	182	494	5356	5670
UN27932	Rsa1.0.00018.1	719	410899	1.00E-143	286	294	97 +	2	294	122581	122874
UN27933	Rsa1.0.00761.1	448	65133	0	427	452	94 +	2	443	38413	38857
UN27934	Rsa1.0.05306.1	700	14205	0	444	448	99 -	2	449	5341	5788
UN27935	Rsa1.0.03684.1	1272	21392	0	1264	1270	99 -	1	1270	2020	3289
UN27936	Rsa1.0.04395.1	401	17570	0	399	400	99 -	1	399	4123	4522
UN27937	Rsa1.0.00556.1	1797	207212	0	811	817	99 -	166	982	28258	29074
UN27938	Rsa1.0.00127.1	1313	127446	0	526	537	97 +	236	772	119057	119593
UN27939	Rsa1.0.00205.1	833	193401	0	526	526	100 +	1	526	143238	143763
UN27940	Rsa1.0.00547.1	1300	76521	1.00E-148	316	327	96 -	1	325	60981	61301
UN27941	Rsa1.0.00299.1	868	97770	0	501	502	99 -	367	868	18020	18521
UN27942	Rsa1.0.05366.1	1378	14036	0	355	362	98 -	702	1063	8072	8433
UN27943	Rsa1.0.00911.1	632	59943	1.00E-174	315	317	99 +	316	632	34004	34320
UN27944	Rsa1.0.03376.1	1083	23326	8.00E-64	128	129	99 -	177	305	22715	22843
UN27945	Rsa1.0.01285.1	604	172709	2.00E-69	167	178	93 +	271	443	34017	34194
UN27946	Rsa1.0.00476.1	1152	280966	1.00E-119	224	226	99 +	575	800	24617	24842
UN27947	Rsa1.0.05173.1	1168	14606	0	436	457	95 +	716	1166	3434	3889
UN27948	Rsa1.0.02727.1	593	28404	0	354	360	98 +	85	444	3533	3892
UN27949	Rsa1.0.00657.1	1156	69858	0	1150	1155	99 -	2	1156	1827	2980
UN27950	Rsa1.0.00915.1	1003	194446	0	679	690	98 +	283	972	53333	54022
UN27951	Rsa1.0.02365.1	517	32118	0	482	518	93 -	6	517	6213	6718
UN27952	Rsa1.0.04713.1	816	16270	0	649	715	90 +	101	815	10149	10858
UN27953	Rsa1.0.05554.1	877	13343	0	421	424	99 -	454	877	1456	1878
UN27954	Rsa1.0.01242.1	642	50066	1.00E-130	248	252	98 -	342	593	6254	6505
UN27955	Rsa1.0.02520.1	1066	30568	0	782	810	96 -	1	806	922	1724
UN27956	Rsa1.0.00205.1	1066	193401	1.00E-175	358	375	95 +	153	527	180497	180862
UN27957	Rsa1.0.08388.1	1185	7436	0	1114	1116	99 +	1	1116	4633	5748
UN27958	Rsa1.0.00003.1	771	340054	0	563	565	99 -	2	566	168580	169144
UN27959	Rsa1.0.20750.1	1236	1273	0	1103	1121	98 +	117	1236	1	1115
UN27960	Rsa1.0.00108.1	1031	478491	0	773	803	96 +	1	791	10966	11767
UN27961	Rsa1.0.00322.1	978	212233	1.00E-124	245	250	98 +	730	978	57054	57303

UN27962	Rsa1.0.00190.1	1245	318240	0	568	581	97 +	666	1243	190102	190682
UN27963	Rsa1.0.00049.1	1284	167018	0	379	391	96 +	2	392	80769	81159
UN27964	Rsa1.0.17671.1	1321	1768	0	1002	1043	96 +	11	1049	728	1768
UN27965	Rsa1.0.02663.1	2014	169243	0	1997	2015	99 +	1	2014	22763	24777
UN27966	Rsa1.0.00571.1	1167	329018	0	689	689	100 -	1	689	197339	198027
UN27967	Rsa1.0.03365.1	1125	23410	0	526	537	97 +	594	1125	12365	12901
UN27968	Rsa1.0.01970.1	834	36648	0	834	835	99 +	1	834	10208	11042
UN27969	Rsa1.0.00237.1	627	235974	1.00E-170	342	354	96 -	2	348	23737	24090
UN27970	Rsa1.0.00323.1	670	159650	0	663	665	99 +	4	668	76796	77460
UN27971	Rsa1.0.09173.1	958	6582	0	850	859	98 +	1	854	4779	5634
UN27972	Rsa1.0.00388.1	852	88890	0	464	466	99 -	388	852	40742	41207
UN27973	Rsa1.0.00099.1	1111	159619	0	711	753	94 -	203	948	45688	46427
UN27974	Rsa1.0.00090.1	1318	273859	0	511	513	99 +	1	513	197164	197676
UN27975	Rsa1.0.00514.1	1221	78421	0	659	666	98 -	436	1098	7716	8381
UN27976	Rsa1.0.01241.1	563	50067	0	549	557	98 -	7	563	6074	6630
UN27977	Rsa1.0.01416.1	932	46262	0	885	913	96 -	3	912	26463	27373
UN27978	Rsa1.0.04486.1	832	17161	0	559	605	92 -	1	602	9197	9780
UN27979	Rsa1.0.00571.1	580	329018	0	475	491	96 -	51	537	194319	194808
UN27980	Rsa1.0.01482.1	1079	44855	0	765	766	99 +	314	1079	6949	7714
UN27981	Rsa1.0.00008.1	1250	358124	0	592	598	98 -	652	1249	70099	70696
UN27982	Rsa1.0.00319.1	793	167331	0	410	420	97 +	2	420	152743	153160
UN27983	Rsa1.0.00146.1	1679	149343	1.00E-144	304	321	94 +	1	309	43375	43695
UN27984	Rsa1.0.00014.1	1052	348985	0	698	700	99 -	351	1050	168358	169057
UN27985	Rsa1.0.01140.1	846	52586	0	390	402	97 -	18	419	38736	39131
UN27986	Rsa1.0.02304.1	814	32793	0	812	814	99 -	1	814	28819	29632
UN27987	Rsa1.0.00421.1	771	86365	0	407	409	99 +	363	771	80783	81191
UN27988	Rsa1.0.02812.1	917	27660	1.00E-99	185	185	100 -	454	638	5948	6132
UN27989	Rsa1.0.00942.1	1170	58873	1.00E-168	354	372	95 -	627	998	150	521
UN27990	Rsa1.0.01258.1	789	49755	1.00E-147	354	387	91 +	414	786	20950	21326
UN27991	Rsa1.0.00028.1	869	293984	0	414	417	99 +	1	417	142749	143164
UN27992	Rsa1.0.01775.1	929	39519	0	921	927	99 -	3	929	3245	4171
UN27993	Rsa1.0.17497.1	1265	1816	0	345	351	98 -	40	390	704	1054
UN27994	Rsa1.0.04013.1	891	19573	0	890	893	99 -	1	891	16972	17863
UN27995	Rsa1.0.00032.1	1084	306326	1.00E-126	230	230	100 -	674	903	290010	290239
UN27996	Rsa1.0.01492.1	786	44704	1.00E-134	351	385	91 -	44	426	2784	3152
UN27997	Rsa1.0.00190.1	1188	318240	0	697	699	99 +	3	701	145274	145972
UN27998	Rsa1.0.05380.1	450	13968	1.00E-142	291	301	96 -	152	450	4480	4778
UN27999	Rsa1.0.02876.1	577	27062	0	574	575	99 +	3	577	597	1171
UN28000	Rsa1.0.00401.1	846	244410	6.00E-98	615	746	82 +	107	844	168795	169538

UN28001	Rsa1.0.01659.1	1147	164577	0	350	352	99 -	1	352	147655	148006
UN28002	Rsa1.0.01036.1	873	55978	1.00E-140	280	289	96 -	1	289	13176	13464
UN28003	Rsa1.0.00090.1	1867	273859	0	1032	1057	97 -	810	1866	233934	234990
UN28004	Rsa1.0.07775.1	823	8594	0	777	802	96 -	2	801	1443	2244
UN28005	Rsa1.0.13382.1	1067	4874	2.00E-89	303	352	86 +	239	573	406	757
UN28006	Rsa1.0.00643.1	1103	70658	0	1096	1100	99 -	3	1102	57680	58779
UN28007	Rsa1.0.00327.1	1057	94892	0	507	523	96 +	10	526	24926	25448
UN28008	Rsa1.0.04955.1	750	15337	4.00E-49	247	293	84 -	53	334	420	692
UN28009	Rsa1.0.03075.1	1163	25560	0	573	576	99 -	588	1163	19939	20513
UN28010	Rsa1.0.01430.1	676	46034	0	660	671	98 -	8	676	20107	20777
UN28011	Rsa1.0.00110.1	868	132719	0	541	576	93 +	1	575	115115	115678
UN28012	Rsa1.0.00250.1	903	273771	0	427	437	97 -	217	653	255526	255962
UN28013	Rsa1.0.02126.1	756	34765	0	458	506	90 +	222	715	1828	2318
UN28014	Rsa1.0.00031.1	693	179862	0	679	701	96 +	3	692	100487	101186
UN28015	Rsa1.0.01574.1	1169	42930	0	1161	1165	99 +	1	1165	7820	8984
UN28016	Rsa1.0.11943.1	708	5365	1.00E-109	309	341	90 +	355	683	570	905
UN28017	Rsa1.0.03859.1	473	20413	1.00E-139	286	296	96 -	3	298	5428	5718
UN28018	Rsa1.0.00771.1	1096	64870	0	713	750	95 +	123	870	20399	21136
UN28019	Rsa1.0.01768.1	1064	138463	0	991	1054	94 +	2	1055	113475	114512
UN28020	Rsa1.0.02750.1	724	28239	0	398	408	97 -	151	558	20939	21346
UN28021	Rsa1.0.00469.1	667	82084	0	449	460	97 -	3	459	26058	26517
UN28022	Rsa1.0.11107.1	854	5613	1.00E-86	225	249	90 +	469	702	3863	4111
UN28023	Rsa1.0.00599.1	1327	73418	0	1312	1329	98 +	1	1327	54267	55594
UN28024	Rsa1.0.00589.1	978	209965	1.00E-135	255	257	99 +	722	977	62060	62316
UN28025	Rsa1.0.03609.1	1345	21798	1.00E-170	383	408	93 -	1	406	2491	2890
UN28026	Rsa1.0.00125.1	915	253043	0	681	707	96 +	212	913	141375	142080
UN28027	Rsa1.0.00131.1	850	432233	0	451	472	95 -	380	849	165195	165666
UN28028	Rsa1.0.01662.1	1157	41382	1.00E-175	448	499	89 -	251	740	26599	27070
UN28029	Rsa1.0.00479.1	1381	81377	0	1030	1077	95 -	1	1070	80251	81317
UN28030	Rsa1.0.02197.1	964	33996	4.00E-93	193	199	96 -	3	201	2582	2776
UN28031	Rsa1.0.00178.1	1639	114861	0	663	677	97 -	2	678	37753	38429
UN28032	Rsa1.0.00191.1	1157	316976	0	435	448	97 +	40	487	159446	159893
UN28033	Rsa1.0.00525.1	604	78030	1.00E-140	252	252	100 -	3	254	23389	23640
UN28034	Rsa1.0.00066.1	608	152418	0	395	412	95 +	197	607	14309	14717
UN28035	Rsa1.0.53462.1	1033	426	0	336	339	99 +	695	1033	48	386
UN28036	Rsa1.0.00549.1	1254	76473	0	495	496	99 -	425	920	10847	11342
UN28037	Rsa1.0.01310.1	947	164719	1.00E-147	274	277	98 -	671	947	18505	18781
UN28038	Rsa1.0.00366.1	622	90880	0	352	359	98 +	2	359	37383	37741
UN28039	Rsa1.0.00093.1	1667	214962	0	350	351	99 -	3	353	191597	191947

UN28040	Rsa1.0_00903.1	867	60228	1.00E-119	233	238	97 +	120	357	49224	49461
UN28041	Rsa1.0_00992.1	693	57419	0	669	686	97 +	3	685	7283	7963
UN28042	Rsa1.0_00099.1	1166	159619	1.00E-147	313	326	96 -	2	326	7284	7604
UN28043	Rsa1.0_00013.1	760	292129	0	737	762	96 -	1	760	95996	96753
UN28044	Rsa1.0_01778.1	1766	39509	0	1382	1399	98 +	368	1765	13875	15273
UN28045	Rsa1.0_60389.1	988	379	1.00E-123	227	228	99 -	761	988	152	379
UN28046	Rsa1.0_01933.1	1277	37172	1.00E-155	317	332	95 +	958	1277	13625	13956
UN28047	Rsa1.0_01090.1	510	54385	1.00E-157	296	301	98 +	1	301	5787	6087
UN28048	Rsa1.0_00332.1	1060	94575	0	861	876	98 -	137	1010	38925	39800
UN28049	Rsa1.0_01766.1	621	39617	1.00E-102	189	189	100 +	3	191	30018	30206
UN28050	Rsa1.0_00210.1	772	108424	1.00E-157	305	313	97 -	156	468	26777	27089
UN28051	Rsa1.0_01077.1	1171	54772	0	737	757	97 -	418	1169	37843	38596
UN28052	Rsa1.0_00294.1	904	144860	0	901	903	99 +	1	903	115508	116410
UN28053	Rsa1.0_11453.1	1377	5503	0	540	580	93 -	779	1344	5	575
UN28054	Rsa1.0_02504.1	778	30706	4.00E-68	275	319	86 -	422	740	14596	14910
UN28055	Rsa1.0_00104.1	864	368722	0	337	338	99 +	527	864	244360	244696
UN28056	#	#	#	#	#	#	#	#	#	#	#
UN28057	Rsa1.0_04167.1	1041	18757	0	336	337	99 -	705	1041	7554	7890
UN28058	Rsa1.0_00864.1	1049	61702	0	356	359	99 +	691	1049	35651	36009
UN28059	Rsa1.0_04438.1	1182	17361	0	393	399	98 -	461	859	16659	17057
UN28060	Rsa1.0_00858.1	883	61892	0	402	405	99 +	479	883	19996	20400
UN28061	Rsa1.0_01402.1	1261	46509	1.00E-134	246	247	99 +	1015	1261	4582	4828
UN28062	Rsa1.0_00128.1	1296	228675	0	833	842	98 -	458	1296	44631	45472
UN28063	Rsa1.0_00425.1	1034	147080	0	379	379	100 -	656	1034	127644	128022
UN28064	Rsa1.0_00740.1	1487	215972	0	1471	1513	97 +	1	1487	212836	214348
UN28065	Rsa1.0_00092.1	938	659932	0	509	529	96 +	413	938	346569	347096
UN28066	Rsa1.0_00962.1	1056	184909	0	400	401	99 +	656	1056	25179	25579
UN28067	Rsa1.0_03614.1	842	21773	0	415	430	96 +	414	842	20041	20470
UN28068	Rsa1.0_02827.1	1217	27544	0	515	515	100 +	7	521	6298	6812
UN28069	Rsa1.0_00457.1	685	337301	1.00E-123	423	498	84 -	24	496	304216	304677
UN28070	Rsa1.0_00178.1	933	114861	1.00E-173	349	361	96 -	576	932	88073	88432
UN28071	Rsa1.0_00131.1	1141	432233	0	396	408	97 -	3	407	197395	197802
UN28072	Rsa1.0_00653.1	903	70029	0	769	798	96 -	107	902	35916	36703
UN28073	Rsa1.0_00277.1	1398	100132	9.00E-58	184	204	90 -	80	277	10097	10300
UN28074	Rsa1.0_00093.1	1071	214962	0	380	382	99 +	690	1071	117743	118124
UN28075	Rsa1.0_03499.1	534	22462	8.00E-87	166	167	99 -	233	399	18554	18720
UN28076	Rsa1.0_04778.1	631	16010	0	612	648	94 +	1	631	8863	9510
UN28077	Rsa1.0_04331.1	1212	140984	1.00E-174	354	368	96 -	164	531	9636	10000
UN28078	Rsa1.0_00205.1	1389	193401	0	494	495	99 -	213	707	59001	59495

UN28079	Rsa1.0_01829.1		929	166063	0	567	573	98 +		1	573	134054	134623
UN28080	#	#	#	#	#	#	#	#	#	#	#	#	#
UN28081	Rsa1.0_08833.1		1041	6882	0	632	633	99 +		409	1041	5193	5825
UN28082	Rsa1.0_02340.1		757	32388	0	359	360	99 +		2	361	12237	12596
UN28083	Rsa1.0_00753.1		677	65705	0	671	673	99 +		3	675	8049	8721
UN28084	Rsa1.0_00006.1		743	396176	1.00E-163	298	300	99 -		444	743	176373	176672
UN28085	Rsa1.0_00569.1		848	75060	0	824	848	97 -		1	848	42954	43798
UN28086	Rsa1.0_27044.1		1045	868	0	425	442	96 +		605	1045	279	714
UN28087	Rsa1.0_02020.1		744	173211	0	396	397	99 -		346	742	143722	144118
UN28088	Rsa1.0_00035.1		1006	176449	0	914	923	99 +		1	923	110784	111706
UN28089	Rsa1.0_00213.1		972	108167	0	745	746	99 +		96	840	997	1742
UN28090	Rsa1.0_00816.1		962	403350	0	555	576	96 -		386	961	113312	113887
UN28091	Rsa1.0_04166.1		946	18757	0	488	503	97 +		444	946	4520	5022
UN28092	Rsa1.0_59638.1		1590	384	0	382	384	99 +		1014	1397	1	384
UN28093	Rsa1.0_00127.1		1389	127446	0	391	408	95 -		2	408	83975	84382
UN28094	Rsa1.0_01223.1		829	50392	0	431	439	98 -		3	441	46191	46629
UN28095	Rsa1.0_02028.1		910	35857	0	887	947	93 -		1	910	17587	18530
UN28096	Rsa1.0_00201.1		870	232851	0	842	871	96 +		3	870	35720	36590
UN28097	Rsa1.0_00813.1		1190	63202	0	1165	1189	97 -		3	1190	38613	39801
UN28098	Rsa1.0_00191.1		1012	316976	0	738	757	97 +		268	1012	34469	35225
UN28099	Rsa1.0_00044.1		1465	271658	1.00E-173	329	336	97 +		646	981	264749	265084
UN28100	Rsa1.0_02609.1		879	29600	0	475	517	91 +		241	756	3130	3642
UN28101	Rsa1.0_00211.1		1224	228189	0	1171	1186	98 -		11	1196	695	1878
UN28102	Rsa1.0_00039.1		1118	296927	0	868	870	99 +		1	870	60277	61146
UN28103	Rsa1.0_00077.1		1115	145005	0	463	464	99 -		3	466	108217	108680
UN28104	Rsa1.0_00336.1		1784	445051	0	1017	1024	99 +		760	1783	30256	31279
UN28105	Rsa1.0_06388.1		868	11110	2.00E-85	161	161	100 -		46	206	2288	2448
UN28106	Rsa1.0_01943.1		872	37042	1.00E-137	299	316	94 +		567	872	4006	4321
UN28107	Rsa1.0_01702.1		688	40722	0	389	389	100 +		300	688	22395	22783
UN28108	Rsa1.0_01135.1		1034	52799	0	350	354	98 +		3	356	37847	38200
UN28109	Rsa1.0_00171.1		868	115622	1.00E-83	161	162	99 -		4	165	93549	93710
UN28110	Rsa1.0_00421.1		1164	86365	1.00E-114	259	272	95 +		50	316	80413	80684
UN28111	Rsa1.0_02651.1		1006	29046	0	563	599	93 +		1	599	354	946
UN28112	Rsa1.0_04691.1		769	16362	0	545	550	99 +		220	769	9409	9958
UN28113	Rsa1.0_00240.1		837	104175	3.00E-87	176	180	97 -		141	320	86112	86291
UN28114	Rsa1.0_01136.1		963	52724	1.00E-123	227	228	99 +		3	230	32169	32396
UN28115	Rsa1.0_03019.1		940	25987	0	467	469	99 +		1	469	754	1222
UN28116	Rsa1.0_00490.1		1223	186713	0	605	621	97 +		3	622	180069	180685
UN28117	Rsa1.0_00269.1		1070	341668	0	818	835	97 +		1	835	286083	286917

UN28118	Rsa1.0.00016.1	1004	831256	0	1004	1005	99 -	1	1004	773872	774876
UN28119	Rsa1.0.02478.1	968	150183	0	543	553	98 +	416	968	3931	4483
UN28120	Rsa1.0.01362.1	961	47217	2.00E-95	242	260	93 -	705	960	3043	3301
UN28121	Rsa1.0.46909.1	651	482	0	387	387	100 +	1	387	86	472
UN28122	Rsa1.0.18971.1	1078	1502	0	862	863	99 +	1	862	640	1502
UN28123	Rsa1.0.00384.1	907	89278	1.00E-162	307	313	98 +	3	315	32428	32740
UN28124	Rsa1.0.00926.1	914	195072	0	556	556	100 -	359	914	170743	171298
UN28125	Rsa1.0.01880.1	1149	37745	0	1116	1147	97 -	1	1145	36148	37293
UN28126	Rsa1.0.00100.1	690	249232	0	658	679	96 -	12	690	165827	166501
UN28127	Rsa1.0.00055.1	696	520193	0	659	698	94 -	3	696	407893	408588
UN28128	Rsa1.0.02069.1	829	35425	1.00E-116	212	212	100 -	438	649	1784	1995
UN28129	Rsa1.0.00159.1	1183	431686	0	999	1005	99 +	7	1011	385112	386113
UN28130	Rsa1.0.00707.1	785	190112	0	753	781	96 -	3	782	13928	14699
UN28131	Rsa1.0.00128.1	1149	228675	0	526	527	99 +	374	900	65988	66514
UN28132	Rsa1.0.02358.1	1380	32213	0	698	717	97 -	666	1380	22292	23008
UN28133	Rsa1.0.01254.1	1388	49801	0	1388	1388	100 +	1	1388	40882	42269
UN28134	Rsa1.0.10620.1	1132	5781	1.00E-108	209	212	98 +	870	1081	5333	5544
UN28135	Rsa1.0.73030.1	745	314	1.00E-157	306	314	97 +	222	535	1	314
UN28136	Rsa1.0.00386.1	568	89134	1.00E-119	218	218	100 +	1	218	81920	82137
UN28137	Rsa1.0.00218.1	880	201480	1.00E-110	205	206	99 +	675	880	197280	197485
UN28138	Rsa1.0.03161.1	679	24905	1.00E-114	240	248	96 +	2	246	15645	15892
UN28139	Rsa1.0.00100.1	1356	249232	0	1233	1265	97 +	93	1356	128847	130097
UN28140	Rsa1.0.00123.1	1667	325650	0	913	930	98 -	141	1070	293671	294600
UN28141	Rsa1.0.00013.1	782	292129	0	546	546	100 +	88	633	94362	94907
UN28142	Rsa1.0.00675.1	1522	145590	1.00E-171	315	318	99 +	1	318	39830	40147
UN28143	Rsa1.0.00152.1	1229	257730	1.00E-137	251	252	99 -	977	1228	246424	246675
UN28144	Rsa1.0.03122.1	872	25207	0	361	362	99 -	3	363	11811	12172
UN28145	Rsa1.0.00066.1	1028	152418	0	486	529	91 -	165	693	146606	147134
UN28146	Rsa1.0.03155.1	735	24958	0	710	737	96 +	3	729	16221	16957
UN28147	Rsa1.0.15165.1	895	2785	0	528	546	96 +	350	895	642	1187
UN28148	Rsa1.0.01140.1	903	52586	0	452	470	96 +	432	898	31973	32437
UN28149	Rsa1.0.00964.1	1564	316648	1.00E-140	260	261	99 -	1304	1564	160130	160389
UN28150	Rsa1.0.01060.1	1140	55368	0	325	326	99 -	617	942	21378	21703
UN28151	Rsa1.0.00135.1	704	178077	0	687	706	97 -	1	704	104958	105662
UN28152	Rsa1.0.00108.1	1167	478491	0	809	811	99 -	1	811	389023	389833
UN28153	Rsa1.0.03731.1	1100	21136	0	449	458	98 +	340	797	892	1349
UN28154	Rsa1.0.04023.1	666	19522	1.00E-123	356	397	89 -	3	398	5840	6235
UN28155	Rsa1.0.01507.1	765	44361	9.00E-66	143	148	96 -	512	659	24867	25014
UN28156	Rsa1.0.01537.1	872	187285	0	861	871	98 -	2	872	167919	168789

UN28157	Rsa1.0.61046.1	905	375	0	375	375	100 +	314	688	1	375
UN28158	Rsa1.0.11562.1	1021	5471	3.00E-54	122	125	97 -	892	1015	1	125
UN28159	Rsa1.0.00244.1	1251	103590	1.00E-142	256	256	100 +	9	264	48938	49193
UN28160	Rsa1.0.07377.1	1125	9494	0	429	431	99 +	144	573	1	431
UN28161	Rsa1.0.02840.1	948	27386	0	733	764	95 +	23	785	23814	24575
UN28162	Rsa1.0.04969.1	513	15283	0	430	435	98 +	79	512	11384	11817
UN28163	Rsa1.0.00576.1	830	178949	0	823	830	99 +	1	830	140751	141580
UN28164	Rsa1.0.00743.1	1385	177459	0	1360	1381	98 +	2	1382	29657	31032
UN28165	Rsa1.0.00373.1	669	90296	1.00E-141	301	314	95 -	356	666	49115	49428
UN28166	Rsa1.0.01144.1	1026	52431	1.00E-157	289	290	99 +	738	1026	17706	17995
UN28167	Rsa1.0.01430.1	635	46034	0	611	628	97 -	1	628	39427	40054
UN28168	Rsa1.0.01179.1	720	51549	0	394	397	99 +	165	561	44812	45208
UN28169	Rsa1.0.00125.1	681	253043	0	478	503	95 -	152	637	185036	185537
UN28170	Rsa1.0.09124.1	1326	6625	0	619	622	99 -	2	623	2944	3565
UN28171	Rsa1.0.00138.1	667	247040	0	408	424	96 -	1	418	230305	230727
UN28172	Rsa1.0.07637.1	1340	8969	0	759	759	100 +	2	760	694	1452
UN28173	Rsa1.0.04383.1	736	17631	1.00E-117	226	230	98 -	311	540	11091	11320
UN28174	Rsa1.0.16521.1	736	2125	0	563	563	100 -	4	566	1174	1736
UN28175	Rsa1.0.01039.1	704	55946	1.00E-103	200	203	98 -	2	204	30594	30796
UN28176	Rsa1.0.00226.1	637	105884	0	591	599	98 -	3	601	8946	9544
UN28177	Rsa1.0.01421.1	740	46197	0	384	384	100 +	357	740	28143	28526
UN28178	Rsa1.0.12017.1	1155	5340	1.00E-118	225	228	98 +	524	751	4139	4366
UN28179	Rsa1.0.00765.1	1394	65029	0	332	335	99 +	1060	1394	17494	17828
UN28180	Rsa1.0.06690.1	772	10533	5.00E-12	83	98	84 -	529	626	3380	3477
UN28181	Rsa1.0.02004.1	840	169138	0	838	840	99 -	1	840	148471	149310
UN28182	Rsa1.0.00179.1	935	393324	1.00E-157	632	749	84 -	185	933	5218	5966
UN28183	Rsa1.0.06373.1	797	11138	0	757	797	94 -	1	797	3553	4326
UN28184	Rsa1.0.20934.1	1029	1252	1.00E-153	308	318	96 +	1	317	941	1252
UN28185	Rsa1.0.01524.1	693	43949	1.00E-160	287	287	100 -	407	693	9153	9439
UN28186	Rsa1.0.00224.1	935	327530	1.00E-128	356	395	90 +	553	926	220354	220746
UN28187	Rsa1.0.17543.1	982	1802	0	516	517	99 -	3	518	767	1283
UN28188	Rsa1.0.03005.1	2031	26082	0	554	589	94 -	1440	2028	3513	4084
UN28189	Rsa1.0.17118.1	1021	1918	1.00E-160	290	291	99 -	2	292	379	669
UN28190	Rsa1.0.04203.1	737	18479	0	733	735	99 +	3	737	2042	2776
UN28191	Rsa1.0.02903.1	1972	26901	0	1075	1099	97 -	162	1260	7641	8739
UN28192	Rsa1.0.05889.1	910	12319	0	540	544	99 +	3	543	11776	12319
UN28193	Rsa1.0.05770.1	856	12678	0	356	365	97 +	484	848	2553	2917
UN28194	Rsa1.0.00628.1	796	214360	0	792	797	99 -	1	796	22916	23712
UN28195	Rsa1.0.00126.1	1033	127534	0	576	629	91 -	420	1033	114885	115492

UN28196	Rsa1.0.02071.1	926	35409	0	919	925	99 +	1	925	27558	28479
UN28197	Rsa1.0.00273.1	1306	326186	0	385	386	99 -	919	1304	38765	39150
UN28198	Rsa1.0.00020.1	881	283099	0	880	881	99 -	1	881	20938	21818
UN28199	Rsa1.0.01118.1	870	53460	0	534	534	100 +	52	585	983	1516
UN28200	Rsa1.0.00002.1	1233	601661	1.00E-105	225	235	95 -	249	483	14232	14466
UN28201	Rsa1.0.00602.1	756	73302	1.00E-174	372	392	94 -	2	393	1954	2342
UN28202	Rsa1.0.00362.1	1381	299497	0	1042	1048	99 -	334	1381	255546	256593
UN28203	Rsa1.0.00876.1	919	61328	0	806	806	100 -	114	919	8527	9332
UN28204	Rsa1.0.01702.1	736	40722	0	423	429	98 +	312	736	13207	13635
UN28205	Rsa1.0.00065.1	854	454616	1.00E-165	322	330	97 +	240	568	242654	242983
UN28206	Rsa1.0.01085.1	436	54539	0	435	436	99 +	1	436	8233	8668
UN28207	Rsa1.0.00031.1	831	179862	1.00E-117	215	215	100 -	176	390	163319	163533
UN28208	Rsa1.0.03348.1	1375	23559	0	732	733	99 -	2	734	18648	19380
UN28209	Rsa1.0.07886.1	623	8358	0	617	622	99 +	3	623	6644	7265
UN28210	Rsa1.0.00190.1	1518	318240	0	1474	1498	98 -	1	1496	199822	201314
UN28211	Rsa1.0.00310.1	845	96852	0	407	413	98 +	414	826	19570	19982
UN28212	Rsa1.0.06430.1	1028	11034	0	567	567	100 -	189	755	1517	2083
UN28213	Rsa1.0.00438.1	729	84861	0	491	527	93 -	50	570	62583	63109
UN28214	Rsa1.0.00038.1	595	314568	0	338	342	98 -	2	343	158442	158783
UN28215	Rsa1.0.13686.1	1286	4480	1.00E-113	214	216	99 -	352	567	3563	3778
UN28216	Rsa1.0.00802.1	1254	63846	0	366	371	98 +	3	373	10188	10558
UN28217	Rsa1.0.00100.1	1253	249232	0	429	429	100 +	313	741	191118	191546
UN28218	Rsa1.0.07391.1	256	9477	1.00E-138	256	257	99 +	1	256	8081	8337
UN28219	Rsa1.0.00023.1	1291	194764	0	909	929	97 -	362	1290	836	1764
UN28220	Rsa1.0.04112.1	949	18989	0	818	827	98 +	123	949	2554	3380
UN28221	Rsa1.0.00755.1	1030	192559	0	1026	1031	99 -	1	1030	180739	181769
UN28222	Rsa1.0.00823.1	865	62889	0	502	512	98 +	8	512	8039	8550
UN28223	Rsa1.0.00153.1	888	192931	1.00E-111	239	250	95 -	1	244	111691	111937
UN28224	Rsa1.0.00800.1	1335	63868	0	1275	1352	94 +	1	1327	6611	7939
UN28225	Rsa1.0.02791.1	1174	27832	0	1168	1171	99 +	4	1174	15150	16320
UN28226	Rsa1.0.00606.1	908	73150	0	494	494	100 +	209	702	30353	30846
UN28227	Rsa1.0.04538.1	1001	16940	0	447	482	92 -	537	1001	13590	14069
UN28228	Rsa1.0.01679.1	820	146876	5.00E-86	165	166	99 +	3	168	140871	141036
UN28229	Rsa1.0.35002.1	758	646	3.00E-90	172	173	99 -	318	490	28	200
UN28230	Rsa1.0.00277.1	1661	100132	0	794	794	100 -	343	1136	72171	72964
UN28231	Rsa1.0.03714.1	840	21217	0	447	472	94 -	1	452	15909	16380
UN28232	Rsa1.0.17851.1	852	1726	1.00E-104	298	333	89 +	537	852	10	339
UN28233	Rsa1.0.00454.1	1043	216970	1.00E-164	487	551	88 +	3	547	181678	182196
UN28234	Rsa1.0.01632.1	775	181224	0	491	523	93 -	257	775	789	1304

UN28235	Rsa1.0.01963.1	868	36719	0	588	588	100 +	1	588	34661	35248
UN28236	Rsa1.0.03742.1	853	21062	0	506	506	100 -	169	674	16771	17276
UN28237	Rsa1.0.01574.1	1289	42930	0	786	789	99 -	501	1289	17736	18524
UN28238	Rsa1.0.00024.1	717	188018	1.00E-100	231	243	95 -	471	708	59162	59403
UN28239	Rsa1.0.00662.1	1023	192183	0	513	513	100 +	511	1023	59159	59671
UN28240	Rsa1.0.00203.1	957	109129	0	662	750	88 -	234	956	47049	47792
UN28241	Rsa1.0.00711.1	851	67223	0	755	756	99 +	1	755	43824	44579
UN28242	Rsa1.0.13994.1	1328	3941	1.00E-176	388	410	94 -	923	1325	2761	3166
UN28243	Rsa1.0.06814.1	1180	10309	0	621	655	94 -	538	1180	6152	6806
UN28244	Rsa1.0.05629.1	1313	13129	0	621	622	99 +	692	1313	8805	9426
UN28245	Rsa1.0.00831.1	777	62673	0	503	508	99 +	3	510	37890	38396
UN28246	Rsa1.0.39059.1	1106	576	1.00E-111	256	278	92 +	827	1104	61	319
UN28247	Rsa1.0.03019.1	781	25987	1.00E-151	293	296	98 -	6	298	825	1120
UN28248	Rsa1.0.00391.1	638	183853	0	358	359	99 -	280	638	61540	61898
UN28249	Rsa1.0.05441.1	1434	13742	1.00E-149	268	268	100 +	91	358	8798	9065
UN28250	Rsa1.0.00819.1	797	62918	0	771	799	96 -	1	792	22341	23139
UN28251	Rsa1.0.00122.1	1004	265937	4.00E-87	209	220	95 +	786	1002	7192	7411
UN28252	Rsa1.0.00320.1	904	95784	0	894	894	100 +	11	904	25076	25969
UN28253	Rsa1.0.00182.1	950	142305	0	910	952	95 +	1	949	123254	124204
UN28254	Rsa1.0.00823.1	878	62889	1.00E-125	233	235	99 +	571	805	4859	5093
UN28255	Rsa1.0.00023.1	988	194764	0	394	410	96 -	551	960	35015	35423
UN28256	Rsa1.0.00920.1	870	601703	7.00E-73	181	194	93 -	611	801	443641	443834
UN28257	Rsa1.0.03847.1	833	20479	0	355	363	97 +	464	826	3842	4204
UN28258	Rsa1.0.00939.1	1462	185227	0	579	586	98 +	877	1462	159151	159735
UN28259	Rsa1.0.02846.1	656	27338	0	642	652	98 +	8	655	11358	12008
UN28260	Rsa1.0.10442.1	830	5849	0	427	446	95 +	1	427	1214	1659
UN28261	Rsa1.0.01642.1	809	41772	0	431	436	98 +	25	459	12167	12602
UN28262	Rsa1.0.00051.1	402	258225	1.00E-170	380	402	94 -	1	402	15938	16330
UN28263	Rsa1.0.07356.1	1153	9517	2.00E-89	260	289	89 +	2	286	8292	8574
UN28264	Rsa1.0.04169.1	1267	18712	0	1267	1267	100 -	1	1267	15800	17066
UN28265	Rsa1.0.01696.1	1033	301850	0	580	608	95 +	1	605	160682	161284
UN28266	Rsa1.0.00050.1	966	237174	1.00E-180	320	320	100 -	1	320	191559	191878
UN28267	Rsa1.0.02114.1	1039	34873	0	875	921	95 +	110	1027	14418	15337
UN28268	Rsa1.0.03562.1	723	22084	0	713	723	98 -	1	723	8204	8925
UN28269	Rsa1.0.02804.1	1213	27712	1.00E-75	154	157	98 +	555	711	8963	9119
UN28270	Rsa1.0.03310.1	1099	23851	0	1060	1098	96 +	3	1098	20998	22095
UN28271	Rsa1.0.15268.1	749	2720	0	465	468	99 +	282	749	1328	1795
UN28272	Rsa1.0.03341.1	1230	23604	1.00E-122	229	231	99 -	994	1224	16644	16874
UN28273	Rsa1.0.03080.1	716	25540	0	547	563	97 +	1	563	10875	11435

UN28274	Rsa1.0_02582.1		1107	29889	1.00E-138	279	287	97 +		826	1107	3887	4173
UN28275	#	#	#	#	#	#	#	#	#	#	#	#	#
UN28276	Rsa1.0_00390.1		801	88681	0	797	809	98 +		3	800	50381	51189
UN28277	Rsa1.0_00213.1		866	108167	0	831	856	97 -		15	866	35049	35904
UN28278	Rsa1.0_02358.1		998	32213	0	973	998	97 -		1	997	5288	6285
UN28279	Rsa1.0_02185.1		892	34150	0	550	559	98 +		269	827	15560	16117
UN28280	Rsa1.0_05596.1		943	137912	0	912	952	95 -		1	943	7235	8184
UN28281	Rsa1.0_01565.1		845	155447	1.00E-156	311	319	97 -		529	845	10765	11083
UN28282	Rsa1.0_00846.1		1009	62342	0	960	1009	95 -		1	1009	31274	32269
UN28283	Rsa1.0_17780.1		752	1742	1.00E-148	294	302	97 -		453	752	1082	1383
UN28284	Rsa1.0_00686.1		659	68511	1.00E-131	337	363	92 -		299	656	53123	53481
UN28285	Rsa1.0_01458.1		799	175719	0	745	781	95 +		6	784	27865	28645
UN28286	Rsa1.0_00129.1		999	126831	0	702	710	98 +		252	961	125970	126679
UN28287	Rsa1.0_06482.1		1233	10937	0	494	498	99 -		738	1233	10406	10902
UN28288	Rsa1.0_00650.1		1354	70235	0	480	484	99 +		3	486	65694	66177
UN28289	Rsa1.0_00133.1		365	123768	1.00E-166	342	356	96 +		10	364	110606	110961
UN28290	Rsa1.0_00300.1		1095	97747	0	1073	1092	98 -		5	1095	69156	70247
UN28291	Rsa1.0_04126.1		1142	18939	0	1035	1072	96 -		1	1071	10379	11449
UN28292	Rsa1.0_00933.1		1033	59164	0	535	538	99 +		3	540	35600	36137
UN28293	Rsa1.0_00281.1		838	99908	0	593	594	99 -		245	838	65770	66363
UN28294	Rsa1.0_01967.1		795	36672	1.00E-170	394	422	93 -		382	795	18339	18760
UN28295	#	#	#	#	#	#	#	#	#	#	#	#	#
UN28296	Rsa1.0_02040.1		995	35684	0	982	987	99 -		1	987	20993	21978
UN28297	Rsa1.0_01899.1		1288	37474	0	709	717	98 +		573	1288	1200	1916
UN28298	Rsa1.0_09753.1		1223	6166	0	454	463	98 -		761	1223	4749	5208
UN28299	Rsa1.0_04348.1		1095	17795	7.00E-15	64	71	90 +		101	171	9928	9998
UN28300	Rsa1.0_02952.1		1075	26492	0	408	418	97 -		218	635	1633	2050
UN28301	Rsa1.0_00016.1		705	831256	1.00E-33	250	306	81 -		31	335	685053	685357
UN28302	Rsa1.0_11247.1		771	5569	0	674	683	98 +		88	770	4305	4987
UN28303	Rsa1.0_30641.1		295	749	1.00E-166	295	295	100 -		1	295	316	610
UN28304	Rsa1.0_00113.1		1174	131574	0	643	685	93 -		3	675	4639	5323
UN28305	Rsa1.0_01923.1		1255	37233	0	1114	1174	94 -		3	1157	31391	32561
UN28306	Rsa1.0_07973.1		1191	8149	0	534	535	99 +		657	1191	7285	7818
UN28307	Rsa1.0_00042.1		496	171507	8.00E-16	65	72	90 +		276	347	23832	23903
UN28308	Rsa1.0_01271.1		508	49569	0	323	323	100 +		186	508	26026	26348
UN28309	Rsa1.0_28508.1		670	813	0	483	519	93 +		174	668	1	519
UN28310	Rsa1.0_06355.1		840	11180	0	824	849	97 -		1	838	265	1113
UN28311	Rsa1.0_02422.1		897	161122	0	443	459	96 -		440	897	157948	158402
UN28312	Rsa1.0_00803.1		157	144228	3.00E-83	156	156	100 -		2	157	58938	59093

UN28313	Rsa1.0.03572.1	1109	146346	0	853	892	95 -	3	888	141058	141943
UN28314	Rsa1.0.00547.1	489	76521	0	435	465	93 -	1	456	60835	61288
UN28315	Rsa1.0.00095.1	848	283384	0	395	399	98 -	15	413	39786	40184
UN28316	Rsa1.0.00093.1	1242	214962	0	547	550	99 -	694	1242	95779	96328
UN28317	Rsa1.0.01752.1	730	39805	0	401	402	99 -	329	730	14297	14698
UN28318	Rsa1.0.00428.1	737	85599	0	615	631	97 -	108	737	31768	32395
UN28319	Rsa1.0.00047.1	865	168582	0	543	547	99 -	320	865	56079	56622
UN28320	Rsa1.0.00008.1	1380	358124	0	731	737	99 +	33	765	284759	285494
UN28321	Rsa1.0.15860.1	875	2385	0	598	604	99 -	232	835	1148	1751
UN28322	Rsa1.0.00173.1	769	288743	0	767	768	99 +	1	768	229636	230403
UN28323	Rsa1.0.00617.1	840	72199	0	817	854	95 +	2	828	19324	20174
UN28324	Rsa1.0.03260.1	883	24284	3.00E-38	193	230	83 +	226	455	7758	7987
UN28325	Rsa1.0.32573.1	445	699	0	398	400	99 -	45	444	131	529
UN28326	Rsa1.0.02947.1	887	26531	0	856	888	96 +	4	885	5532	6417
UN28327	Rsa1.0.00342.1	1480	93695	0	1381	1390	99 +	1	1386	37590	38979
UN28328	Rsa1.0.00648.1	1064	70351	0	1037	1069	97 -	1	1062	37937	39000
UN28329	Rsa1.0.00678.1	744	193163	0	365	367	99 -	3	369	188844	189210
UN28330	Rsa1.0.01295.1	874	49040	3.00E-50	108	110	98 +	690	799	9896	10005
UN28331	Rsa1.0.02124.1	1035	34780	0	483	495	97 +	1	493	7432	7926
UN28332	Rsa1.0.03452.1	1641	22817	0	900	903	99 +	3	905	17926	18828
UN28333	Rsa1.0.00001.1	661	363028	0	636	654	97 -	7	657	91750	92400
UN28334	Rsa1.0.04588.1	1740	16739	0	615	640	96 -	837	1471	9688	10327
UN28335	Rsa1.0.00040.1	735	324196	4.00E-89	167	167	100 -	2	168	91484	91650
UN28336	Rsa1.0.02593.1	1186	29744	0	875	877	99 -	1	877	14793	15669
UN28337	Rsa1.0.09595.1	1775	6263	0	469	471	99 +	79	549	1070	1540
UN28338	Rsa1.0.02043.1	766	163754	0	502	505	99 -	262	766	143818	144322
UN28339	Rsa1.0.02068.1	1123	35432	0	593	604	98 +	151	754	10996	11599
UN28340	Rsa1.0.10789.1	979	5720	3.00E-32	227	276	82 -	323	596	767	1037
UN28341	Rsa1.0.19252.1	1441	1456	0	1434	1437	99 -	4	1440	9	1445
UN28342	Rsa1.0.01401.1	852	142441	0	480	488	98 +	1	487	127012	127493
UN28343	Rsa1.0.01003.1	874	56976	1.00E-120	447	520	85 -	233	751	53646	54164
UN28344	Rsa1.0.06465.1	1151	10962	1.00E-151	325	340	95 -	812	1150	6741	7074
UN28345	Rsa1.0.00215.1	777	201775	7.00E-88	248	271	91 +	516	771	172377	172646
UN28346	Rsa1.0.18913.1	1669	1512	0	904	937	96 +	731	1667	78	1013
UN28347	Rsa1.0.00285.1	893	149638	0	430	432	99 +	84	515	95085	95516
UN28348	Rsa1.0.01218.1	824	50536	1.00E-108	253	267	94 -	565	824	14192	14457
UN28349	Rsa1.0.02582.1	912	29889	0	448	451	99 +	462	912	23047	23497
UN28350	Rsa1.0.00438.1	951	84861	1.00E-133	242	242	100 +	144	385	71374	71615
UN28351	Rsa1.0.00022.1	592	200461	0	580	603	96 +	2	592	104807	105409

UN28352	Rsa1.0.01474.1	1482	45070	0	908	910	99 +	1	910	39210	40119
UN28353	Rsa1.0.00994.1	1382	165189	0	607	608	99 -	1	608	2133	2740
UN28354	Rsa1.0.08516.1	868	7245	0	340	341	99 +	202	542	891	1231
UN28355	Rsa1.0.00608.1	846	172672	0	482	485	99 -	361	845	165639	166123
UN28356	Rsa1.0.06197.1	776	11510	0	772	777	99 +	1	776	1401	2177
UN28357	Rsa1.0.01076.1	1356	54835	0	587	587	100 +	1	587	40418	41004
UN28358	Rsa1.0.07473.1	770	9296	0	374	378	98 +	393	770	2370	2747
UN28359	Rsa1.0.02621.1	825	156120	0	825	825	100 -	1	825	18888	19712
UN28360	Rsa1.0.01303.1	859	48853	0	427	434	98 +	9	441	18944	19374
UN28361	Rsa1.0.00788.1	992	64237	0	775	808	95 -	173	961	58538	59345
UN28362	Rsa1.0.00723.1	1110	66806	0	417	419	99 +	690	1108	56385	56803
UN28363	Rsa1.0.00426.1	717	85668	0	415	427	97 +	297	717	73386	73812
UN28364	Rsa1.0.00004.1	939	253996	0	505	518	97 +	6	523	24609	25125
UN28365	Rsa1.0.03388.1	1412	23277	1.00E-170	325	332	97 +	474	805	1301	1632
UN28366	Rsa1.0.00387.1	987	495407	0	604	607	99 +	381	987	358755	359361
UN28367	Rsa1.0.01112.1	775	310601	1.00E-121	246	253	97 -	117	368	176919	177171
UN28368	Rsa1.0.01721.1	744	40345	0	456	475	96 +	190	664	5208	5682
UN28369	Rsa1.0.05652.1	1519	13043	0	590	590	100 -	1	590	527	1116
UN28370	Rsa1.0.01100.1	796	54113	1.00E-164	416	455	91 -	342	796	37999	38449
UN28371	Rsa1.0.00351.1	803	413096	0	744	755	98 -	3	753	404985	405739
UN28372	Rsa1.0.01455.1	1059	45440	0	1035	1041	99 +	1	1041	29875	30915
UN28373	Rsa1.0.00635.1	264	175826	1.00E-107	239	251	95 -	12	261	19402	19650
UN28374	Rsa1.0.01081.1	935	499226	0	588	588	100 +	1	588	453753	454340
UN28375	Rsa1.0.00882.1	1457	61249	0	480	480	100 -	604	1083	14747	15226
UN28376	Rsa1.0.00023.1	1006	194764	0	975	1005	97 +	1	1005	37303	38307
UN28377	Rsa1.0.01561.1	749	43227	1.00E-140	258	260	99 -	250	509	32406	32665
UN28378	Rsa1.0.15710.1	1152	2468	0	608	658	92 -	510	1151	84	725
UN28379	Rsa1.0.02969.1	677	26390	0	405	408	99 -	270	677	6741	7148
UN28380	Rsa1.0.00836.1	756	185968	1.00E-106	256	275	93 -	1	265	161658	161931
UN28381	Rsa1.0.01591.1	744	42718	0	721	745	96 +	3	744	4523	5263
UN28382	Rsa1.0.02748.1	754	28242	0	436	440	99 -	2	441	11199	11638
UN28383	Rsa1.0.00318.1	886	96094	0	884	886	99 -	1	886	61099	61984
UN28384	Rsa1.0.00038.1	647	314568	0	600	625	96 -	4	627	61652	62275
UN28385	Rsa1.0.05506.1	845	13495	7.00E-36	116	126	92 -	101	225	11527	11651
UN28386	Rsa1.0.04288.1	593	18077	6.00E-88	171	173	98 -	421	593	3091	3263
UN28387	Rsa1.0.01329.1	1129	47982	9.00E-70	135	135	100 +	473	607	1138	1272
UN28388	Rsa1.0.04574.1	968	16786	1.00E-155	331	348	95 -	532	871	9534	9881
UN28389	Rsa1.0.04819.1	1101	140505	0	807	836	96 +	219	1050	1503	2338
UN28390	Rsa1.0.00039.1	1018	296927	9.00E-85	252	281	89 -	746	1015	9896	10172

UN28391	Rsa1.0.00006.1	1377	396176	0	1049	1051	99 +	1	1050	243591	244641
UN28392	Rsa1.0.06173.1	918	11574	0	617	629	98 -	3	630	5761	6389
UN28393	Rsa1.0.00553.1	1734	75983	1.00E-147	268	269	99 -	970	1238	18637	18905
UN28394	Rsa1.0.01717.1	1340	143162	0	1092	1097	99 +	1	1097	124306	125402
UN28395	Rsa1.0.01108.1	657	53865	0	601	604	99 +	53	656	44126	44729
UN28396	Rsa1.0.00702.1	1252	67600	0	1219	1253	97 -	2	1252	9020	10272
UN28397	Rsa1.0.08840.1	957	6871	0	419	448	93 +	2	435	4213	4658
UN28398	Rsa1.0.01242.1	754	50066	1.00E-165	294	294	100 +	1	294	2139	2432
UN28399	Rsa1.0.59402.1	791	385	1.00E-180	323	324	99 +	428	751	1	324
UN28400	Rsa1.0.05026.1	1097	15095	1.00E-141	360	389	92 -	1	376	10051	10436
UN28401	Rsa1.0.00068.1	754	151813	0	473	474	99 -	282	754	126126	126599
UN28402	Rsa1.0.01749.1	888	39822	1.00E-141	370	409	90 +	487	888	1554	1942
UN28403	Rsa1.0.00056.1	738	332604	1.00E-153	277	278	99 +	3	280	103788	104065
UN28404	Rsa1.0.00890.1	1536	323870	0	782	822	95 +	1	821	309684	310505
UN28405	Rsa1.0.48656.1	1222	465	1.00E-115	212	212	100 -	627	838	152	363
UN28406	Rsa1.0.02003.1	894	36171	0	851	871	97 +	1	871	30435	31305
UN28407	Rsa1.0.00019.1	564	301669	0	431	456	94 -	113	564	295498	295953
UN28408	Rsa1.0.00064.1	1348	240927	0	824	824	100 +	1	824	32618	33441
UN28409	Rsa1.0.00451.1	438	322533	0	402	419	95 -	21	436	247484	247901
UN28410	Rsa1.0.01728.1	560	40239	0	538	560	96 +	1	558	21633	22192
UN28411	Rsa1.0.00002.1	887	601661	0	796	846	94 -	51	887	403102	403935
UN28412	Rsa1.0.44387.1	1327	507	0	506	507	99 -	485	991	1	507
UN28413	Rsa1.0.08838.1	1017	6873	0	439	460	95 -	95	554	2943	3401
UN28414	Rsa1.0.00204.1	856	109056	1.00E-122	240	246	97 +	1	246	56779	57024
UN28415	Rsa1.0.02500.1	795	30768	1.00E-131	247	250	98 -	466	715	2391	2640
UN28416	Rsa1.0.06821.1	838	10301	1.00E-134	307	331	92 -	3	319	5081	5403
UN28417	Rsa1.0.05303.1	687	14211	0	412	414	99 +	9	422	4794	5206
UN28418	Rsa1.0.00679.1	821	68971	1.00E-123	259	267	97 +	387	652	22859	23121
UN28419	Rsa1.0.00590.1	837	73835	5.00E-83	157	157	100 -	1	157	27491	27647
UN28420	Rsa1.0.00100.1	940	249232	0	938	940	99 +	1	940	211951	212890
UN28421	Rsa1.0.04331.1	1142	140984	0	1005	1012	99 -	132	1142	16780	17789
UN28422	Rsa1.0.25556.1	977	931	0	846	850	99 -	71	920	1	850
UN28423	Rsa1.0.00119.1	1029	467509	1.00E-112	236	246	95 +	132	377	63813	64058
UN28424	Rsa1.0.04789.1	639	15981	1.00E-114	218	221	98 +	3	223	3270	3490
UN28425	Rsa1.0.00821.1	1602	62891	0	1067	1085	98 +	518	1602	60021	61104
UN28426	Rsa1.0.01215.1	527	166813	1.00E-149	274	275	99 +	252	525	48386	48660
UN28427	Rsa1.0.00087.1	1200	761073	0	357	362	98 +	161	522	315299	315660
UN28428	Rsa1.0.00687.1	869	68494	0	839	851	98 +	18	868	49632	50482
UN28429	Rsa1.0.00089.1	1277	406142	0	1172	1225	95 -	53	1277	208448	209668

UN28430	Rsa1.0_06912.1	940	10177	1.00E-171	327	333	98 -	1	332	3310	3642
UN28431	Rsa1.0_00067.1	1099	415055	0	888	968	91 +	40	981	151702	152644
UN28432	Rsa1.0_19466.1	1334	1427	0	1126	1153	97 -	185	1334	284	1427
UN28433	Rsa1.0_00033.1	817	515811	0	814	816	99 -	3	817	44113	44928
UN28434	Rsa1.0_05413.1	1292	13834	0	479	483	99 -	810	1292	2470	2952
UN28435	Rsa1.0_00067.1	1199	415055	0	797	810	98 +	392	1199	30786	31594
UN28436	Rsa1.0_01448.1	778	45645	0	765	780	98 +	1	778	30249	31027
UN28437	Rsa1.0_00028.1	892	293984	0	871	894	97 -	1	892	230741	231634
UN28438	Rsa1.0_00782.1	1115	64468	0	954	959	99 +	85	1043	51840	52798
UN28439	Rsa1.0_00076.1	1157	146021	0	439	458	95 -	1	457	78464	78914
UN28440	Rsa1.0_00867.1	1097	61635	0	714	730	97 +	368	1097	60103	60832
UN28441	Rsa1.0_00022.1	730	200461	0	458	459	99 +	271	729	44985	45443
UN28442	Rsa1.0_00961.1	853	58185	0	501	503	99 -	1	503	15097	15599
UN28443	Rsa1.0_02969.1	541	26390	5.00E-91	173	174	99 -	64	237	10693	10866
UN28444	Rsa1.0_00707.1	1078	190112	0	364	366	99 +	711	1076	55985	56350
UN28445	Rsa1.0_30857.1	1427	743	0	741	743	99 +	577	1319	1	743
UN28446	Rsa1.0_00375.1	1091	90207	0	529	531	99 -	3	533	66274	66803
UN28447	Rsa1.0_00278.1	1077	231896	0	789	804	98 +	1	801	25521	26321
UN28448	Rsa1.0_00325.1	304	95371	1.00E-145	286	295	96 -	2	296	60028	60316
UN28449	Rsa1.0_00964.1	976	316648	1.00E-115	223	227	98 -	750	976	9711	9937
UN28450	Rsa1.0_06424.1	1007	11045	0	732	755	96 +	256	1003	2413	3167
UN28451	Rsa1.0_00037.1	815	307838	3.00E-72	172	183	93 -	633	815	66554	66736
UN28452	Rsa1.0_01008.1	991	56924	0	706	714	98 +	2	715	45917	46630
UN28453	Rsa1.0_00190.1	580	318240	0	570	580	98 +	1	580	93239	93818
UN28454	Rsa1.0_02893.1	1063	26999	1.00E-180	335	340	98 +	724	1063	23925	24264
UN28455	Rsa1.0_00019.1	945	301669	0	943	943	100 +	3	945	250774	251716
UN28456	Rsa1.0_00253.1	601	231292	0	424	443	95 -	114	551	161243	161685
UN28457	Rsa1.0_06209.1	1119	11484	0	614	616	99 +	504	1119	8940	9555
UN28458	Rsa1.0_00125.1	1098	253043	1.00E-164	305	309	98 -	580	888	20060	20368
UN28459	Rsa1.0_00123.1	688	325650	0	530	531	99 +	3	533	27526	28056
UN28460	Rsa1.0_02792.1	865	27829	0	340	340	100 +	68	407	17605	17944
UN28461	Rsa1.0_14287.1	1626	3573	0	603	604	99 -	3	605	1585	2188
UN28462	Rsa1.0_00244.1	1207	103590	0	812	820	99 +	388	1207	9308	10126
UN28463	Rsa1.0_00457.1	863	337301	0	501	504	99 +	102	605	328872	329375
UN28464	Rsa1.0_00170.1	870	179538	0	717	718	99 -	1	718	83462	84179
UN28465	Rsa1.0_00789.1	813	64233	0	510	535	95 +	3	522	16293	16824
UN28466	Rsa1.0_00362.1	509	299497	0	497	510	97 -	3	509	9581	10090
UN28467	Rsa1.0_00159.1	1096	431686	0	1041	1093	95 +	3	1095	232096	233178
UN28468	Rsa1.0_01070.1	523	55099	0	514	514	100 +	1	514	2882	3395

UN28469	Rsa1.0.00460.1	1061	206387	0	359	360	99 -	1	360	38036	38395
UN28470	Rsa1.0.02205.1	914	33923	0	404	404	100 +	1	404	683	1086
UN28471	Rsa1.0.10971.1	741	5659	0	445	445	100 +	297	741	1	445
UN28472	Rsa1.0.00865.1	1102	61686	0	938	996	94 +	129	1101	3897	4887
UN28473	Rsa1.0.00866.1	1876	61676	0	846	863	98 +	356	1207	4227	5089
UN28474	Rsa1.0.04027.1	533	19501	0	505	530	95 -	8	531	8212	8735
UN28475	Rsa1.0.01536.1	1150	43747	1.00E-118	220	221	99 +	3	223	10820	11040
UN28476	Rsa1.0.15164.1	678	2786	1.00E-130	256	262	97 +	4	265	1972	2230
UN28477	Rsa1.0.00031.1	1127	179862	0	957	989	96 -	136	1121	92353	93340
UN28478	Rsa1.0.10836.1	1101	5707	0	859	878	97 -	1	878	4133	5010
UN28479	Rsa1.0.01361.1	1054	47226	0	904	972	93 +	3	967	16724	17690
UN28480	Rsa1.0.02003.1	951	36171	0	587	594	98 -	3	594	20798	21391
UN28481	Rsa1.0.00407.1	1034	191544	0	637	638	99 -	1	638	42060	42697
UN28482	Rsa1.0.00200.1	955	162016	0	393	395	99 -	430	824	150563	150956
UN28483	Rsa1.0.09625.1	481	6245	1.00E-130	271	280	96 +	1	279	1083	1361
UN28484	Rsa1.0.00915.1	701	194446	0	690	697	98 -	6	701	39732	40428
UN28485	Rsa1.0.03313.1	830	23834	0	821	831	98 +	1	830	15907	16734
UN28486	Rsa1.0.08344.1	918	7500	0	696	726	95 +	22	746	4537	5248
UN28487	Rsa1.0.00284.1	785	323267	0	773	777	99 -	8	782	257972	258748
UN28488	Rsa1.0.00394.1	1338	148426	0	524	552	94 +	797	1338	138926	139476
UN28489	Rsa1.0.00101.1	895	267193	0	591	646	91 +	277	895	210864	211506
UN28490	Rsa1.0.04877.1	690	15631	0	688	689	99 -	3	690	2959	3647
UN28491	Rsa1.0.16269.1	980	2219	1.00E-145	285	293	97 +	688	980	176	468
UN28492	Rsa1.0.05045.1	967	15035	0	865	868	99 -	100	967	6320	7187
UN28493	Rsa1.0.00816.1	1674	403350	0	1079	1079	100 +	596	1674	248225	249303
UN28494	Rsa1.0.16391.1	711	2168	0	372	378	98 +	5	382	1791	2168
UN28495	Rsa1.0.00075.1	885	146680	0	426	426	100 +	1	426	125314	125739
UN28496	Rsa1.0.02587.1	846	156090	0	501	513	97 +	169	681	15125	15637
UN28497	Rsa1.0.05611.1	794	13193	0	608	611	99 -	184	794	156	766
UN28498	Rsa1.0.00163.1	1444	116847	0	680	683	99 +	54	736	1510	2192
UN28499	Rsa1.0.04639.1	860	16550	1.00E-156	287	288	99 -	1	288	15588	15874
UN28500	Rsa1.0.05943.1	919	12158	0	341	341	100 -	2	342	5572	5912
UN28501	Rsa1.0.00446.1	712	167829	4.00E-46	167	191	87 -	434	624	156632	156822
UN28502	Rsa1.0.00555.1	1141	75920	1.00E-100	335	383	87 +	38	420	36612	36984
UN28503	#	#	#	#	#	#	#	#	#	#	#
UN28504	Rsa1.0.00253.1	1398	231292	0	629	629	100 -	1	629	88689	89317
UN28505	Rsa1.0.00030.1	790	250988	0	393	394	99 +	1	394	195788	196181
UN28506	Rsa1.0.00727.1	914	66724	0	884	890	99 -	22	910	13475	14361
UN28507	Rsa1.0.04253.1	1236	18259	0	755	769	98 -	1	765	12306	13074

UN28508	Rsa1.0.00865.1	636	61686	1.00E-124	312	341	91 -	1	335	9542	9882
UN28509	Rsa1.0.00928.1	1300	59293	0	577	603	95 -	699	1300	13350	13948
UN28510	Rsa1.0.02284.1	782	33011	0	636	641	99 -	142	782	8273	8913
UN28511	Rsa1.0.00218.1	1162	201480	2.00E-92	205	215	95 +	276	487	143419	143633
UN28512	Rsa1.0.00451.1	1068	322533	1.00E-154	457	513	89 -	576	1067	156207	156713
UN28513	Rsa1.0.01662.1	650	41382	0	622	648	95 +	3	650	19809	20452
UN28514	#	#	#	#	#	#	#	#	#	#	#
UN28515	Rsa1.0.01380.1	707	155003	0	478	495	96 +	196	688	46038	46527
UN28516	Rsa1.0.01733.1	457	40186	9.00E-77	149	150	99 -	308	457	17721	17870
UN28517	Rsa1.0.00953.1	554	145012	0	341	343	99 +	3	345	42166	42508
UN28518	Rsa1.0.00061.1	508	218685	9.00E-31	93	101	92 +	11	111	82468	82568
UN28519	Rsa1.0.00329.1	958	222544	0	927	957	96 -	2	958	60713	61669
UN28520	Rsa1.0.00281.1	562	99908	0	511	526	97 -	1	525	47519	48042
UN28521	Rsa1.0.37127.1	786	607	1.00E-169	313	317	98 -	288	604	1	317
UN28522	Rsa1.0.00290.1	1216	225096	1.00E-124	247	253	97 +	1	253	9496	9746
UN28523	Rsa1.0.01809.1	543	39004	2.00E-44	117	125	93 +	5	129	22760	22880
UN28524	#	#	#	#	#	#	#	#	#	#	#
UN28525	Rsa1.0.17654.1	818	1772	1.00E-151	286	291	98 -	285	575	1305	1595
UN28526	Rsa1.0.01868.1	727	150904	1.00E-174	313	314	99 -	1	314	4359	4672
UN28527	Rsa1.0.05027.1	895	15094	0	406	413	98 -	1	413	7611	8023
UN28528	Rsa1.0.04696.1	894	16339	8.00E-79	184	194	94 -	674	867	11599	11791
UN28529	Rsa1.0.03280.1	1153	145083	0	1141	1164	98 +	1	1152	50	1213
UN28530	Rsa1.0.00185.1	785	248445	0	454	459	98 -	3	459	197822	198280
UN28531	Rsa1.0.00241.1	1254	104000	1.00E-175	320	323	99 -	932	1254	91364	91686
UN28532	Rsa1.0.00931.1	864	59210	0	453	484	93 -	87	561	19424	19895
UN28533	Rsa1.0.02498.1	1431	30784	0	601	626	96 +	383	997	10905	11530
UN28534	Rsa1.0.00100.1	1048	249232	0	616	623	98 +	143	765	228080	228702
UN28535	Rsa1.0.00163.1	877	116847	1.00E-168	425	466	91 +	32	493	49868	50309
UN28536	Rsa1.0.00009.1	1235	232558	1.00E-142	287	297	96 -	27	323	55858	56154
UN28537	Rsa1.0.00425.1	1057	147080	2.33E-156	263	263	100 +	292	554	124445	124707
UN28538	Rsa1.0.02013.1	670	36041	0	413	418	98 +	248	663	24924	25341
UN28539	Rsa1.0.00059.1	1180	159650	0	1149	1184	97 +	3	1180	104430	105613
UN28540	Rsa1.0.01986.1	1426	36489	1.00E-111	257	276	93 +	976	1251	12346	12612
UN28541	Rsa1.0.00983.1	847	57586	1.00E-49	107	109	98 +	588	696	13125	13233
UN28542	Rsa1.0.02707.1	1126	28520	0	531	549	96 -	239	786	15178	15726
UN28543	Rsa1.0.07361.1	862	9514	1.00E-133	279	291	95 -	280	570	8046	8333
UN28544	Rsa1.0.00366.1	562	90880	0	548	557	98 -	2	558	51667	52223
UN28545	Rsa1.0.00507.1	745	79074	0	688	750	91 +	1	728	7914	8642
UN28546	Rsa1.0.13829.1	808	4252	0	415	425	97 +	258	681	1	425

UN28547	Rsa1.0.01637.1	943	41862	0	559	588	95 -	361	943	32296	32880
UN28548	Rsa1.0.00064.1	958	240927	1.00E-179	344	352	97 +	607	958	217978	218326
UN28549	Rsa1.0.01754.1	624	39792	0	570	614	92 +	16	622	14957	15551
UN28550	Rsa1.0.01883.1	704	37661	0	496	507	97 -	194	699	23519	24024
UN28551	Rsa1.0.01614.1	628	42238	0	504	543	92 +	86	628	9039	9563
UN28552	Rsa1.0.00694.1	1190	68074	0	1157	1199	96 -	1	1190	60935	62130
UN28553	Rsa1.0.04789.1	1052	15981	0	924	968	95 +	83	1049	14388	15353
UN28554	Rsa1.0.05085.1	958	14889	3.00E-29	108	119	90 -	753	871	13877	13993
UN28555	Rsa1.0.09236.1	1126	6540	0	866	947	91 -	66	1012	1	937
UN28556	Rsa1.0.00002.1	740	601661	0	346	347	99 +	394	740	270307	270653
UN28557	Rsa1.0.00197.1	951	109714	0	882	924	95 -	32	949	82663	83582
UN28558	Rsa1.0.00683.1	1425	68638	0	1391	1423	97 -	2	1424	63535	64957
UN28559	Rsa1.0.04249.1	903	18269	1.00E-174	361	376	96 -	531	903	4453	4827
UN28560	Rsa1.0.02152.1	568	34558	1.00E-121	227	229	99 -	161	389	16195	16423
UN28561	Rsa1.0.04997.1	1084	15182	0	865	932	92 -	155	1078	3482	4413
UN28562	Rsa1.0.06619.1	384	10650	1.00E-100	262	285	91 +	1	273	4511	4790
UN28563	Rsa1.0.00112.1	530	132199	0	373	373	100 +	158	530	41177	41549
UN28564	Rsa1.0.00156.1	1251	118383	0	737	746	98 -	2	747	63387	64132
UN28565	Rsa1.0.04935.1	874	15403	1.00E-105	261	283	92 +	590	872	13660	13937
UN28566	Rsa1.0.00119.1	1143	467509	0	780	808	96 -	298	1103	118477	119283
UN28567	Rsa1.0.02295.1	717	149884	0	667	728	91 -	4	714	4048	4766
UN28568	Rsa1.0.01591.1	1016	42718	0	987	1014	97 +	1	1014	5276	6276
UN28569	Rsa1.0.10500.1	909	5824	0	490	497	98 -	411	907	1959	2455
UN28570	#	#	#	#	#	#	#	#	#	#	#
UN28571	Rsa1.0.10655.1	1232	5768	0	484	484	100 -	2	485	1968	2451
UN28572	Rsa1.0.00520.1	893	78226	0	481	490	98 +	405	893	31872	32361
UN28573	Rsa1.0.02521.1	858	30562	1.00E-104	230	242	95 -	591	825	6552	6792
UN28574	Rsa1.0.00010.1	983	294827	1.00E-130	258	265	97 -	7	271	260456	260720
UN28575	Rsa1.0.00868.1	782	61630	0	775	776	99 +	3	778	5841	6616
UN28576	Rsa1.0.00001.1	1601	363028	1.00E-166	369	389	94 +	4	385	41174	41561
UN28577	Rsa1.0.00475.1	905	81678	0	369	382	96 +	523	904	9354	9731
UN28578	Rsa1.0.09359.1	1340	6427	0	369	377	97 -	967	1340	6047	6423
UN28579	Rsa1.0.18046.1	516	1682	1.00E-91	184	187	98 -	3	188	1142	1328
UN28580	Rsa1.0.03320.1	730	23765	0	507	519	97 -	212	730	17695	18213
UN28581	Rsa1.0.04915.1	796	15461	0	426	448	95 +	1	446	8183	8630
UN28582	Rsa1.0.00191.1	1114	316976	0	1105	1109	99 +	1	1108	213200	214308
UN28583	Rsa1.0.75469.1	557	304	1.00E-161	300	304	98 -	124	427	1	304
UN28584	Rsa1.0.01614.1	803	42238	0	413	417	99 +	386	802	11122	11537
UN28585	Rsa1.0.04820.1	956	15857	0	765	810	94 -	158	956	14838	15627

UN28586	Rsa1.0.00361.1	1155	91181	0	367	367	100 -	789	1155	42424	42790
UN28587	Rsa1.0.04525.1	793	16965	0	793	793	100 -	1	793	9915	10707
UN28588	Rsa1.0.01388.1	1167	46741	0	399	413	96 +	755	1167	9318	9729
UN28589	Rsa1.0.00522.1	1075	78103	1.00E-151	290	296	97 +	2	297	67063	67358
UN28590	Rsa1.0.01311.1	959	48456	0	564	606	93 -	343	934	27554	28152
UN28591	Rsa1.0.02219.1	1204	33798	1.00E-157	305	313	97 -	543	855	13598	13910
UN28592	Rsa1.0.38485.1	519	585	1.00E-149	304	314	96 +	1	311	272	585
UN28593	#	#	#	#	#	#	#	#	#	#	#
UN28594	Rsa1.0.03650.1	706	21583	0	531	551	96 -	12	556	1368	1918
UN28595	Rsa1.0.00583.1	673	74309	1.00E-163	362	381	95 -	9	385	60044	60421
UN28596	Rsa1.0.00053.1	1296	263459	1.00E-147	312	325	96 +	969	1293	48209	48526
UN28597	Rsa1.0.01190.1	939	194501	0	842	873	96 -	82	939	37239	38111
UN28598	Rsa1.0.02695.1	802	28605	1.00E-174	322	326	98 -	9	334	9038	9363
UN28599	Rsa1.0.09853.1	929	6118	0	528	533	99 -	397	928	5108	5639
UN28600	Rsa1.0.00157.1	1076	245832	0	838	841	99 -	3	843	197369	198209
UN28601	Rsa1.0.04231.1	833	18380	0	479	519	92 +	325	833	15585	16092
UN28602	Rsa1.0.10275.1	931	5907	0	591	621	95 +	305	919	4812	5429
UN28603	Rsa1.0.00425.1	757	147080	1.00E-141	296	308	96 +	454	757	93236	93542
UN28604	Rsa1.0.04107.1	1262	19007	0	821	834	98 +	1	834	4371	5204
UN28605	Rsa1.0.35228.1	694	642	3.00E-56	142	152	93 +	539	690	4	155
UN28606	Rsa1.0.00190.1	610	318240	1.00E-98	199	203	98 +	405	606	52960	53162
UN28607	Rsa1.0.00161.1	773	116891	1.00E-154	280	281	99 -	2	282	116333	116613
UN28608	Rsa1.0.02405.1	748	31692	1.00E-178	320	321	99 +	4	324	17061	17381
UN28609	Rsa1.0.00072.1	1108	148743	0	903	933	96 +	3	935	143984	144916
UN28610	Rsa1.0.16561.1	1102	2111	1.00E-135	268	275	97 -	268	539	1336	1610
UN28611	Rsa1.0.10110.1	1497	5994	0	1394	1462	95 +	1	1454	3621	5061
UN28612	Rsa1.0.00371.1	1369	90463	0	1338	1385	96 -	1	1368	7484	8865
UN28613	Rsa1.0.00593.1	1168	143463	0	1103	1169	94 -	3	1168	14282	15423
UN28614	Rsa1.0.00836.1	913	185968	2.33E-156	287	295	97 +	596	890	148856	149150
UN28615	Rsa1.0.00381.1	683	89718	0	578	595	97 -	94	683	75904	76497
UN28616	Rsa1.0.00361.1	742	91181	1.00E-165	313	319	98 -	2	320	19216	19534
UN28617	Rsa1.0.00801.1	1346	63861	0	810	813	99 +	1	813	10940	11752
UN28618	Rsa1.0.00748.1	733	65983	4.00E-52	136	145	93 +	212	353	14433	14574
UN28619	Rsa1.0.13128.1	658	4999	0	516	520	99 -	138	657	2738	3257
UN28620	Rsa1.0.01077.1	506	54772	3.00E-83	241	264	91 +	1	257	15188	15448
UN28621	Rsa1.0.29599.1	953	778	0	500	506	98 -	448	953	43	548
UN28622	Rsa1.0.00151.1	594	119541	5.00E-11	42	44	95 +	69	112	118896	118939
UN28623	Rsa1.0.01016.1	754	181422	0	601	636	94 -	119	754	38082	38714
UN28624	Rsa1.0.00055.1	1050	520193	1.00E-87	192	201	95 -	815	1015	354451	354651

UN28625	Rsa1.0.00899.1	1187	60404	5.00E-22	93	104	89 +	1071	1170	7929	8031
UN28626	Rsa1.0.01439.1	797	45841	0	402	406	99 -	387	792	197	602
UN28627	Rsa1.0_11445.1	721	5505	0	495	514	96 +	51	564	4993	5505
UN28628	Rsa1.0.00833.1	952	62621	0	407	427	95 -	88	514	39627	40053
UN28629	Rsa1.0_03142.1	1160	25043	0	1149	1171	98 +	1	1160	3170	4340
UN28630	Rsa1.0_04854.1	914	131560	0	438	440	99 +	2	440	172	611
UN28631	Rsa1.0.00409.1	1286	146788	1.00E-160	335	349	95 -	14	362	96200	96544
UN28632	Rsa1.0.00269.1	1163	341668	0	1074	1135	94 -	4	1135	1108	2242
UN28633	Rsa1.0.06561.1	944	10772	0	569	588	96 +	361	943	1974	2560
UN28634	Rsa1.0.03271.1	665	24187	6.00E-48	123	130	94 -	255	384	3003	3131
UN28635	Rsa1.0.00582.1	635	74333	0	609	644	94 +	3	635	33321	33950
UN28636	Rsa1.0.06286.1	1539	11307	0	1023	1035	98 +	1	1035	8588	9622
UN28637	Rsa1.0.00027.1	857	283362	0	443	457	96 -	392	846	53560	54016
UN28638	Rsa1.0.03141.1	1451	25061	1.00E-180	365	375	97 -	862	1234	16526	16897
UN28639	Rsa1.0.01060.1	1328	55368	0	626	688	90 -	667	1328	42913	43588
UN28640	Rsa1.0.02414.1	1016	31625	0	555	556	99 -	460	1015	12647	13202
UN28641	Rsa1.0.01033.1	577	56173	0	574	577	99 -	1	577	12064	12640
UN28642	Rsa1.0.00448.1	475	84048	1.00E-168	424	467	90 +	21	474	3261	3720
UN28643	Rsa1.0.03235.1	685	24442	0	525	529	99 +	2	530	10497	11025
UN28644	Rsa1.0.01232.1	868	155185	0	369	385	95 +	497	868	150401	150785
UN28645	Rsa1.0.46956.1	870	481	2.00E-70	142	144	98 -	393	536	191	334
UN28646	Rsa1.0.01826.1	876	38700	0	465	477	97 +	398	874	14064	14539
UN28647	Rsa1.0.00888.1	736	60978	0	693	731	94 +	17	731	53612	54339
UN28648	Rsa1.0_16460.1	849	2148	0	767	798	96 -	56	848	983	1775
UN28649	Rsa1.0.00061.1	1058	218685	0	530	538	98 +	1	538	201151	201688
UN28650	Rsa1.0.00473.1	746	212204	5.00E-92	175	176	99 +	543	718	81505	81680
UN28651	Rsa1.0.05911.1	530	12261	1.00E-100	272	305	89 -	2	278	5182	5486
UN28652	Rsa1.0.02005.1	576	36137	1.00E-145	261	261	100 -	1	261	5599	5859
UN28653	Rsa1.0.00453.1	839	83031	0	814	850	95 +	1	837	54768	55613
UN28654	Rsa1.0.00725.1	814	66757	5.00E-58	139	147	94 +	149	295	44372	44518
UN28655	Rsa1.0.02060.1	721	35528	0	356	357	99 -	1	357	20929	21285
UN28656	Rsa1.0.04783.1	1027	15995	0	485	496	97 +	3	496	3295	3790
UN28657	Rsa1.0.00203.1	568	109129	1.00E-123	260	271	95 -	289	557	79773	80043
UN28658	Rsa1.0.01693.1	1639	40876	0	786	804	97 -	834	1637	32001	32804
UN28659	Rsa1.0.03291.1	881	24000	1.00E-141	254	254	100 -	1	254	12342	12595
UN28660	Rsa1.0.00867.1	736	61635	2.00E-97	289	318	90 +	3	319	24762	25071
UN28661	Rsa1.0.00725.1	1228	66757	0	909	918	99 +	311	1228	24143	25060
UN28662	Rsa1.0.06206.1	873	11494	2.00E-91	180	183	98 +	473	655	11223	11405
UN28663	Rsa1.0_01341.1	860	47764	0	854	859	99 +	1	855	26981	27839

UN28664	Rsa1.0.02762.1	764	28146	1.00E-177	333	338	98 -	1	338	11710	12046
UN28665	Rsa1.0.03447.1	980	22857	0	465	475	97 -	506	980	7037	7511
UN28666	Rsa1.0.02601.1	776	29654	0	346	347	99 +	430	776	4759	5105
UN28667	Rsa1.0.25846.1	790	917	0	401	401	100 -	4	404	177	577
UN28668	Rsa1.0.00100.1	1226	249232	0	1219	1225	99 +	2	1226	139353	140577
UN28669	Rsa1.0.03203.1	424	24624	0	418	424	98 +	1	424	1842	2265
UN28670	Rsa1.0.00476.1	894	280966	0	451	456	98 +	142	597	199384	199839
UN28671	Rsa1.0.00122.1	826	265937	0	529	546	96 -	273	818	33254	33798
UN28672	Rsa1.0.00002.1	1309	601661	0	430	430	100 -	624	1053	151661	152090
UN28673	Rsa1.0.00812.1	973	63233	0	427	445	95 +	3	445	11997	12441
UN28674	Rsa1.0.00149.1	1442	305196	1.00E-155	314	326	96 +	726	1051	4712	5037
UN28675	Rsa1.0.01099.1	1674	158481	1.00E-162	306	311	98 -	235	545	44494	44804
UN28676	Rsa1.0.07600.1	799	9052	0	716	762	93 -	3	744	4780	5539
UN28677	Rsa1.0.02202.1	759	33961	0	754	757	99 -	3	759	12610	13366
UN28678	Rsa1.0.04109.1	824	19000	0	822	825	99 -	1	824	8332	9156
UN28679	Rsa1.0.01390.1	1072	46695	0	868	871	99 +	1	871	14606	15476
UN28680	Rsa1.0.00040.1	515	324196	1.00E-112	234	241	97 +	276	515	265642	265881
UN28681	Rsa1.0.00351.1	1806	413096	0	1256	1305	96 +	491	1795	123677	124979
UN28682	Rsa1.0.00307.1	1004	199003	0	560	577	97 -	429	1004	9389	9963
UN28683	Rsa1.0.03640.1	1199	21624	0	1037	1040	99 +	160	1199	77	1116
UN28684	Rsa1.0.00038.1	742	314568	1.00E-153	320	335	95 -	1	326	248043	248377
UN28685	Rsa1.0.01543.1	1111	43645	1.00E-159	291	293	99 +	817	1109	15361	15653
UN28686	Rsa1.0.00237.1	638	235974	1.00E-128	248	252	98 +	11	262	25555	25804
UN28687	Rsa1.0.00708.1	1342	67366	0	672	701	95 +	645	1342	38708	39408
UN28688	Rsa1.0.02413.1	799	31628	0	584	589	99 +	214	799	6416	7004
UN28689	Rsa1.0.00306.1	899	146760	0	553	594	93 -	3	585	88781	89368
UN28690	Rsa1.0.00849.1	852	62212	2.00E-73	181	193	93 -	84	275	8999	9191
UN28691	Rsa1.0.01603.1	1408	42468	0	734	754	97 -	615	1368	13627	14380
UN28692	Rsa1.0.04961.1	1164	15316	0	734	757	96 +	3	759	1411	2163
UN28693	Rsa1.0.02948.1	893	26526	0	346	349	99 -	545	893	3854	4202
UN28694	Rsa1.0.00040.1	538	324196	2.00E-93	248	269	92 +	280	538	265642	265906
UN28695	Rsa1.0.02942.1	770	26577	1.00E-143	326	347	93 -	432	770	5979	6323
UN28696	Rsa1.0.00358.1	862	91293	0	773	776	99 +	87	862	52827	53602
UN28697	Rsa1.0.11075.1	835	5625	0	444	447	99 +	389	835	4243	4689
UN28698	Rsa1.0.00985.1	1233	161950	0	553	570	97 +	652	1221	36103	36671
UN28699	Rsa1.0.00080.1	1362	190437	0	389	405	96 +	145	549	81692	82096
UN28700	Rsa1.0.02259.1	832	33299	0	645	660	97 -	173	832	30841	31499
UN28701	Rsa1.0.20735.1	881	1275	0	339	340	99 +	542	881	481	820
UN28702	Rsa1.0.05687.1	791	12932	1.00E-101	242	258	93 +	144	398	4298	4554

UN28703	Rsa1.0_00708.1	761	67366	1.00E-159	320	332	96 +	56	387	60747	61078
UN28704	Rsa1.0_00376.1	1356	90101	0	539	577	93 +	801	1356	64580	65152
UN28705	Rsa1.0_00304.1	1407	97429	0	512	537	95 +	872	1407	13853	14383
UN28706	Rsa1.0_04243.1	912	18321	1.00E-151	277	279	99 -	3	281	17384	17662
UN28707	Rsa1.0_05061.1	1113	14960	0	440	447	98 +	666	1112	14130	14576
UN28708	Rsa1.0_01678.1	1368	162174	0	365	365	100 +	54	418	128112	128476
UN28709	Rsa1.0_02183.1	737	34170	0	539	541	99 +	3	543	1761	2301
UN28710	Rsa1.0_00580.1	623	74515	0	466	469	99 +	153	621	5565	6032
UN28711	Rsa1.0_04591.1	928	16717	7.00E-30	113	128	88 +	451	578	7075	7202
UN28712	Rsa1.0_00380.1	675	89748	0	653	673	97 -	1	673	47879	48550
UN28713	Rsa1.0_01837.1	864	38502	1.00E-178	352	364	96 -	501	864	17703	18066
UN28714	Rsa1.0_00589.1	499	209965	1.00E-161	409	452	90 -	52	480	181443	181894
UN28715	Rsa1.0_00323.1	1299	159650	0	500	504	99 +	798	1297	115387	115890
UN28716	Rsa1.0_06471.1	1331	10954	0	959	960	99 -	372	1331	668	1627
UN28717	Rsa1.0_01459.1	1055	45277	0	1005	1058	94 -	2	1052	35841	36886
UN28718	Rsa1.0_00329.1	1229	222544	1.00E-130	274	284	96 -	791	1073	32396	32678
UN28719	Rsa1.0_00002.1	1210	601661	1.00E-105	232	242	95 -	969	1210	380973	381211
UN28720	Rsa1.0_00480.1	995	81325	0	902	950	94 -	3	949	62837	63778
UN28721	Rsa1.0_00837.1	1190	62568	0	410	412	99 -	2	413	58055	58466
UN28722	Rsa1.0_06825.1	1073	10297	0	443	469	94 +	617	1073	7176	7643
UN28723	Rsa1.0_03847.1	1086	20479	0	1020	1070	95 +	1	1057	4692	5761
UN28724	Rsa1.0_03010.1	870	26054	0	380	385	98 +	471	855	9487	9871
UN28725	Rsa1.0_00225.1	605	105892	1.00E-152	288	292	98 -	287	578	70135	70425
UN28726	Rsa1.0_00002.1	778	601661	0	591	593	99 -	186	778	407188	407779
UN28727	Rsa1.0_00796.1	1145	63997	5.00E-99	205	212	96 -	184	395	3604	3815
UN28728	Rsa1.0_01228.1	1056	50238	1.00E-142	286	296	96 +	761	1056	5354	5649
UN28729	Rsa1.0_00050.1	1230	237174	0	777	778	99 -	1	778	108214	108991
UN28730	Rsa1.0_05339.1	1175	14114	0	1127	1193	94 -	1	1175	7035	8225
UN28731	Rsa1.0_00362.1	1346	299497	1.00E-164	393	420	93 -	158	573	18129	18545
UN28732	Rsa1.0_02735.1	1532	28344	0	687	706	97 -	831	1532	12893	13598
UN28733	Rsa1.0_00676.1	778	69166	0	431	432	99 +	3	434	64528	64959
UN28734	Rsa1.0_01829.1	668	166063	1.00E-101	216	226	95 -	422	641	157799	158024
UN28735	Rsa1.0_00930.1	625	59224	7.00E-69	207	227	91 -	6	231	51680	51901
UN28736	Rsa1.0_00123.1	1514	325650	0	1508	1512	99 +	1	1512	175353	176864
UN28737	Rsa1.0_07595.1	616	9057	2.00E-84	180	187	96 -	276	462	8438	8624
UN28738	Rsa1.0_00404.1	603	87635	1.00E-160	361	382	94 +	221	599	48085	48466
UN28739	Rsa1.0_00055.1	1120	520193	1.00E-123	255	265	96 +	163	427	99465	99729
UN28740	Rsa1.0_02922.1	745	26753	7.00E-91	186	190	97 -	1	189	4408	4597
UN28741	Rsa1.0_02468.1	332	31122	1.00E-131	313	336	93 +	1	331	26204	26536

UN28742	Rsa1.0_12526.1	1018	5204	0	795	815	97 -	13	827	1	815
UN28743	Rsa1.0_00336.1	979	445051	0	827	851	97 -	127	977	143272	144120
UN28744	Rsa1.0_03953.1	672	19889	0	641	675	94 +	9	671	2396	3068
UN28745	Rsa1.0_44332.1	902	508	1.00E-158	286	287	99 +	176	462	1	287
UN28746	Rsa1.0_00053.1	658	263459	1.00E-166	297	297	100 +	272	568	233258	233554
UN28747	Rsa1.0_00273.1	884	326186	0	539	598	90 -	289	883	273545	274141
UN28748	Rsa1.0_00214.1	521	107508	1.00E-175	323	327	98 +	1	327	67496	67822
UN28749	Rsa1.0_03517.1	846	22337	1.00E-180	320	320	100 +	3	322	11057	11376
UN28750	Rsa1.0_06747.1	1182	10426	1.00E-161	307	313	98 +	354	666	9303	9615
UN28751	Rsa1.0_02157.1	573	149652	0	483	485	99 +	88	572	10026	10509
UN28752	Rsa1.0_15719.1	841	2463	1.00E-40	135	150	90 -	34	182	1348	1497
UN28753	Rsa1.0_00923.1	607	153678	1.00E-135	356	398	89 +	1	379	55813	56200
UN28754	Rsa1.0_00437.1	1193	84879	1.00E-135	365	403	90 -	743	1142	58998	59389
UN28755	Rsa1.0_10570.1	908	5798	0	624	633	98 +	275	907	187	819
UN28756	Rsa1.0_00270.1	815	101236	0	434	438	99 +	380	815	18668	19105
UN28757	Rsa1.0_00154.1	955	189461	0	396	400	99 -	1	399	88516	88915
UN28758	Rsa1.0_06561.1	1048	10772	1.00E-164	296	297	99 +	4	300	2627	2923
UN28759	Rsa1.0_01495.1	850	44613	1.00E-147	308	319	96 -	532	846	18059	18376
UN28760	Rsa1.0_00225.1	1276	105892	0	535	540	99 +	3	542	97617	98155
UN28761	Rsa1.0_01893.1	940	37520	0	600	615	97 +	3	615	5103	5713
UN28762	Rsa1.0_00005.1	1080	353093	3.00E-60	252	295	85 -	680	974	251438	251731
UN28763	Rsa1.0_01578.1	874	42880	0	721	734	98 -	140	873	6743	7474
UN28764	Rsa1.0_32606.1	1003	698	0	536	543	98 +	1	543	134	676
UN28765	Rsa1.0_01835.1	669	38542	1.00E-137	333	361	92 -	4	361	23455	23815
UN28766	Rsa1.0_01061.1	822	55349	1.00E-132	250	252	99 -	120	371	26774	27024
UN28767	Rsa1.0_03365.1	717	23410	4.00E-89	197	208	94 +	60	259	4234	4441
UN28768	Rsa1.0_02663.1	1066	169243	4.00E-16	60	65	92 +	395	459	160089	160153
UN28769	Rsa1.0_00324.1	1226	218805	1.00E-138	253	254	99 +	543	796	168459	168712
UN28770	Rsa1.0_01059.1	1087	55410	0	905	933	96 -	140	1070	39308	40240
UN28771	Rsa1.0_02992.1	977	26176	0	892	993	89 -	7	977	550	1507
UN28772	Rsa1.0_00288.1	927	98659	1.00E-179	369	383	96 +	1	378	52863	53243
UN28773	Rsa1.0_04584.1	907	16756	0	589	597	98 -	2	593	8166	8762
UN28774	Rsa1.0_02211.1	623	33857	8.00E-78	349	412	84 +	208	612	2959	3369
UN28775	Rsa1.0_03426.1	887	23010	0	860	902	95 +	2	886	4958	5855
UN28776	Rsa1.0_00041.1	865	186197	0	372	385	96 +	481	865	53418	53799
UN28777	Rsa1.0_00616.1	1160	195713	1.00E-173	342	353	96 +	374	726	158875	159227
UN28778	Rsa1.0_00045.1	809	328694	1.00E-160	337	351	96 +	1	349	184182	184532
UN28779	Rsa1.0_00361.1	1141	91181	0	429	448	95 +	6	445	42343	42790
UN28780	Rsa1.0_16820.1	635	2023	1.00E-134	290	309	93 -	4	294	1560	1867

UN28781	Rsa1.0.00352.1	1748	92266	0	937	1011	92 +	1	974	24307	25312
UN28782	Rsa1.0.20183.1	1168	1330	0	472	487	96 -	165	642	1	484
UN28783	Rsa1.0.00020.1	1089	283099	6.00E-74	148	150	98 +	807	956	11180	11329
UN28784	Rsa1.0.00190.1	866	318240	1.00E-119	217	217	100 -	649	865	280481	280697
UN28785	Rsa1.0.08740.1	742	6980	1.00E-162	299	302	99 +	359	660	1988	2289
UN28786	Rsa1.0.00737.1	676	66432	0	674	676	99 -	1	676	2370	3045
UN28787	Rsa1.0.01905.1	632	37450	1.00E-158	475	530	89 -	111	632	7380	7894
UN28788	Rsa1.0.24061.1	1478	1009	0	499	508	98 +	971	1478	404	910
UN28789	Rsa1.0.03280.1	681	145083	0	637	654	97 -	6	659	127452	128105
UN28790	Rsa1.0.06392.1	1264	11104	0	397	405	98 +	563	967	6263	6667
UN28791	Rsa1.0.07573.1	793	9101	0	790	791	99 +	1	791	7897	8687
UN28792	Rsa1.0.01341.1	1139	47764	0	751	800	93 +	2	801	40432	41228
UN28793	Rsa1.0.00419.1	888	86562	0	375	376	99 -	513	888	73040	73414
UN28794	Rsa1.0.00005.1	1396	353093	0	1279	1396	91 +	2	1396	64756	66092
UN28795	Rsa1.0.06288.1	685	11302	0	462	464	99 -	3	466	10748	11209
UN28796	Rsa1.0.01396.1	409	151624	1.00E-102	241	256	94 -	1	248	5051	5306
UN28797	Rsa1.0.00260.1	1254	102021	0	389	394	98 -	861	1254	56309	56700
UN28798	Rsa1.0.00966.1	1191	58136	2.00E-49	228	265	86 -	1	265	1732	1992
UN28799	Rsa1.0.01005.1	936	56967	1.00E-172	325	330	98 +	298	627	8496	8824
UN28800	Rsa1.0.00302.1	996	97521	0	625	630	99 +	368	995	40480	41108
UN28801	Rsa1.0.07527.1	737	9197	0	412	419	98 -	321	737	3343	3761
UN28802	Rsa1.0.00163.1	747	116847	0	740	744	99 +	3	746	75923	76666
UN28803	Rsa1.0.16744.1	629	2049	1.00E-107	198	198	100 +	3	200	1503	1700
UN28804	Rsa1.0.01884.1	644	37659	4.00E-89	217	233	93 +	4	233	32443	32675
UN28805	Rsa1.0.62225.1	870	369	1.00E-176	340	346	98 -	526	869	24	369
UN28806	Rsa1.0.01512.1	1193	44234	0	1099	1113	98 -	1	1109	36469	37581
UN28807	Rsa1.0.01077.1	650	54772	1.00E-98	208	216	96 +	378	593	20022	20233
UN28808	Rsa1.0.19366.1	941	1442	0	591	592	99 -	189	780	851	1442
UN28809	Rsa1.0.00713.1	1005	158017	0	506	514	98 -	132	645	147241	147754
UN28810	Rsa1.0.00291.1	1141	172129	1.00E-108	221	228	96 -	230	457	96215	96442
UN28811	Rsa1.0.00069.1	852	403561	0	393	398	98 +	405	802	224899	225295
UN28812	Rsa1.0.00224.1	1393	327530	4.00E-94	176	176	100 +	204	379	152858	153033
UN28813	Rsa1.0.03789.1	712	20847	0	671	706	95 -	1	706	15924	16625
UN28814	Rsa1.0.00056.1	1001	332604	1.00E-96	232	250	92 -	749	989	292579	292825
UN28815	Rsa1.0.00915.1	239	194446	3.00E-75	219	238	92 +	1	234	39754	39984
UN28816	Rsa1.0.00111.1	851	390088	0	451	485	92 -	3	479	24413	24896
UN28817	Rsa1.0.04426.1	729	17399	0	487	492	98 -	2	493	5299	5790
UN28818	Rsa1.0.00016.1	612	831256	9.00E-90	264	289	91 -	334	612	293073	293357
UN28819	Rsa1.0.00018.1	1052	410899	0	402	402	100 +	1	402	93226	93627

UN28820	Rsa1.0.00147.1	1445	249503	0	1159	1180	98 -	1	1180	234285	235452
UN28821	Rsa1.0.00224.1	697	327530	8.00E-69	142	145	97 -	553	697	228675	228819
UN28822	Rsa1.0.00084.1	875	142338	1.00E-172	417	454	91 +	2	441	135368	135820
UN28823	Rsa1.0.32596.1	792	698	3.00E-93	174	174	100 +	91	264	1	174
UN28824	Rsa1.0.04881.1	916	15608	0	363	367	98 -	2	368	7580	7946
UN28825	Rsa1.0.00111.1	959	390088	0	498	514	96 -	279	792	338919	339426
UN28826	Rsa1.0.04810.1	1368	15887	0	1327	1364	97 +	3	1366	1695	3057
UN28827	Rsa1.0.02219.1	1017	33798	0	471	500	94 -	379	868	14328	14818
UN28828	Rsa1.0.00016.1	680	831256	0	652	681	95 -	1	680	651430	652110
UN28829	Rsa1.0.01945.1	806	36989	0	781	807	96 +	3	806	31357	32149
UN28830	Rsa1.0.00753.1	1175	65705	0	813	826	98 -	1	826	31719	32544
UN28831	Rsa1.0.00598.1	735	73425	0	551	559	98 -	1	557	18251	18808
UN28832	Rsa1.0.01864.1	1338	37998	0	456	488	93 +	391	878	13619	14082
UN28833	Rsa1.0.01217.1	1065	50554	0	956	971	98 +	10	976	49503	50473
UN28834	Rsa1.0.01493.1	574	44670	1.00E-109	246	260	94 -	315	574	22099	22356
UN28835	Rsa1.0.01220.1	783	161775	0	783	784	99 -	1	783	7533	8316
UN28836	Rsa1.0.00866.1	815	61676	6.00E-30	101	112	90 -	520	631	57218	57329
UN28837	Rsa1.0.07939.1	737	8219	0	407	410	99 -	1	409	4863	5272
UN28838	Rsa1.0.00243.1	1050	103651	1.00E-156	296	299	98 -	308	604	36596	36893
UN28839	Rsa1.0.02207.1	1006	33914	0	493	501	98 +	507	1006	32827	33324
UN28840	Rsa1.0.00576.1	798	178949	0	381	387	98 +	406	786	25705	26091
UN28841	Rsa1.0.01584.1	850	42811	1.00E-103	235	249	94 +	519	764	22813	23061
UN28842	Rsa1.0.00743.1	909	177459	0	869	933	93 -	1	909	6051	6965
UN28843	Rsa1.0.00786.1	1273	64285	0	741	776	95 -	514	1273	43644	44410
UN28844	Rsa1.0.01910.1	1261	37405	3.00E-82	228	254	89 -	1019	1259	26983	27233
UN28845	Rsa1.0.02805.1	1312	27698	0	374	381	98 +	931	1310	15989	16369
UN28846	Rsa1.0.04395.1	1302	17570	0	525	539	97 -	609	1145	5807	6345
UN28847	Rsa1.0.14185.1	1028	3690	0	407	417	97 +	1	417	169	585
UN28848	Rsa1.0.00910.1	970	59975	0	910	947	96 +	15	957	28717	29661
UN28849	Rsa1.0.00347.1	1315	93048	0	421	437	96 +	33	469	58888	59320
UN28850	Rsa1.0.13865.1	1138	4184	0	418	424	98 -	120	543	1644	2067
UN28851	Rsa1.0.00890.1	1160	323870	1.00E-162	302	306	98 +	2	307	296640	296945
UN28852	Rsa1.0.02139.1	227	34686	1.00E-46	125	135	92 +	1	135	19488	19622
UN28853	Rsa1.0.00008.1	1403	358124	0	1388	1405	98 -	1	1403	63650	65054
UN28854	Rsa1.0.00081.1	1507	143261	0	616	630	97 -	701	1330	114494	115123
UN28855	Rsa1.0.00336.1	901	445051	0	778	798	97 +	1	798	23513	24310
UN28856	Rsa1.0.03118.1	662	25288	1.00E-171	423	461	91 -	174	624	2931	3381
UN28857	Rsa1.0.02686.1	1183	28666	0	358	361	99 -	515	875	5916	6276
UN28858	Rsa1.0.00128.1	888	228675	0	485	517	93 -	2	507	198952	199462

UN28859	Rsa1.0.06781.1	700	10362	0	438	458	95 +	241	696	2647	3089
UN28860	Rsa1.0.00713.1	1201	158017	1.00E-163	311	316	98 -	817	1132	34445	34759
UN28861	Rsa1.0.01628.1	653	41932	1.00E-170	303	303	100 -	77	379	6543	6845
UN28862	Rsa1.0.00331.1	754	176754	0	709	751	94 -	9	754	37621	38353
UN28863	Rsa1.0.27404.1	1204	854	0	459	473	97 +	356	826	3	475
UN28864	Rsa1.0.01391.1	770	46694	8.00E-26	153	181	84 -	275	453	17576	17756
UN28865	Rsa1.0.03277.1	1025	24138	0	430	443	97 -	579	1015	15485	15925
UN28866	Rsa1.0.01260.1	1005	49750	0	622	672	92 +	2	652	10257	10907
UN28867	Rsa1.0.00086.1	987	439854	1.00E-114	218	221	98 +	159	379	336764	336984
UN28868	Rsa1.0.01511.1	882	44235	0	455	457	99 +	426	882	37203	37659
UN28869	Rsa1.0.00123.1	995	325650	1.00E-124	247	254	97 -	540	793	222197	222450
UN28870	Rsa1.0.25174.1	453	948	1.00E-128	242	245	98 -	2	246	1	245
UN28871	Rsa1.0.02504.1	1510	30706	0	642	660	97 +	2	661	5064	5723
UN28872	Rsa1.0.01965.1	1144	36698	0	1094	1162	94 +	2	1143	4699	5854
UN28873	Rsa1.0.00283.1	965	183797	0	938	960	97 -	6	965	38136	39095
UN28874	Rsa1.0.09594.1	937	6263	1.00E-175	323	327	98 -	119	445	872	1198
UN28875	Rsa1.0.04394.1	1068	17571	0	1064	1067	99 +	1	1066	14686	15752
UN28876	Rsa1.0.00328.1	778	224661	0	758	765	99 +	1	765	207824	208588
UN28877	Rsa1.0.02881.1	1309	27041	0	667	677	98 +	632	1307	21097	21770
UN28878	Rsa1.0.02055.1	867	35546	1.00E-172	310	311	99 -	557	867	22727	23037
UN28879	Rsa1.0.00570.1	1308	75002	0	961	1012	94 +	300	1308	72668	73670
UN28880	Rsa1.0.19554.1	886	1416	0	384	402	95 +	486	886	666	1063
UN28881	Rsa1.0.05677.1	1500	12968	0	590	590	100 +	1	590	7861	8450
UN28882	Rsa1.0.59214.1	1541	386	0	386	386	100 -	437	822	1	386
UN28883	Rsa1.0.00480.1	790	81325	0	423	424	99 +	3	426	35699	36122
UN28884	Rsa1.0.00895.1	1040	60615	1.00E-173	361	378	95 +	186	556	59263	59639
UN28885	Rsa1.0.36484.1	1042	618	0	415	420	98 +	623	1042	1	420
UN28886	Rsa1.0.00222.1	735	172263	0	708	734	96 +	1	731	73321	74053
UN28887	Rsa1.0.03944.1	1321	19926	1.00E-154	304	312	97 -	1010	1320	10302	10613
UN28888	Rsa1.0.01083.1	749	54617	1.00E-164	323	333	96 +	69	401	14524	14856
UN28889	Rsa1.0.02719.1	1672	28428	6.00E-78	155	157	98 +	2	158	1400	1556
UN28890	Rsa1.0.08802.1	695	6911	0	684	694	98 +	2	695	844	1537
UN28891	Rsa1.0.05281.1	779	14271	0	557	558	99 +	220	777	1	558
UN28892	Rsa1.0.02496.1	702	30814	0	643	665	96 +	38	701	13850	14510
UN28893	Rsa1.0.00650.1	1171	70235	1.00E-152	313	326	96 +	752	1077	2442	2767
UN28894	Rsa1.0.00166.1	1136	240912	0	1128	1134	99 +	3	1136	150914	152047
UN28895	Rsa1.0.02402.1	1132	31710	1.00E-139	321	345	93 +	750	1094	23584	23915
UN28896	Rsa1.0.00651.1	773	247766	0	361	362	99 -	2	363	106008	106369
UN28897	Rsa1.0.01639.1	1730	41850	0	903	908	99 -	817	1721	13839	14746

UN28898	Rsa1.0.00490.1	1589	186713	0	1501	1591	94 -	3	1588	180224	181792
UN28899	Rsa1.0.01343.1	1392	47735	0	1353	1390	97 +	1	1390	9645	11028
UN28900	Rsa1.0.29623.1	997	777	1.00E-101	214	223	95 +	1	223	555	777
UN28901	Rsa1.0.00751.1	1042	65759	0	990	1057	93 -	4	1038	57320	58362
UN28902	Rsa1.0.00411.1	1217	86944	0	857	861	99 +	357	1217	61976	62836
UN28903	Rsa1.0.01347.1	517	47606	0	512	513	99 +	2	514	3592	4104
UN28904	Rsa1.0.21935.1	1404	1162	0	463	475	97 -	5	472	656	1130
UN28905	Rsa1.0.15299.1	868	2704	0	826	866	95 -	2	867	1732	2587
UN28906	Rsa1.0.00173.1	615	288743	0	423	427	99 +	187	613	197613	198038
UN28907	Rsa1.0.02729.1	717	28394	0	480	481	99 +	236	716	21933	22413
UN28908	Rsa1.0.07815.1	867	8487	0	759	802	94 -	39	840	1245	2029
UN28909	Rsa1.0.02532.1	643	30403	0	633	641	98 -	4	643	13283	13923
UN28910	Rsa1.0.07661.1	1023	8891	0	479	498	96 -	379	867	7859	8353
UN28911	Rsa1.0.00191.1	800	316976	0	788	798	98 -	2	799	15346	16143
UN28912	Rsa1.0.09594.1	209	6263	5.00E-58	183	203	90 +	12	208	5543	5745
UN28913	Rsa1.0.16978.1	1242	1964	1.00E-130	239	240	99 -	1003	1242	1702	1941
UN28914	Rsa1.0.00104.1	749	368722	1.00E-123	225	225	100 +	523	747	330532	330756
UN28915	Rsa1.0.00483.1	751	81102	1.00E-117	356	401	88 -	12	404	63959	64353
UN28916	Rsa1.0.02282.1	968	163951	0	713	734	97 +	241	968	143688	144419
UN28917	Rsa1.0.01935.1	1197	37152	0	512	522	98 +	412	933	5196	5716
UN28918	Rsa1.0.00330.1	843	94666	0	840	843	99 +	2	843	58289	59131
UN28919	Rsa1.0.03853.1	825	20447	4.00E-37	166	192	86 +	349	538	12392	12583
UN28920	Rsa1.0.03853.1	1273	20447	0	1236	1273	97 -	3	1273	11467	12739
UN28921	Rsa1.0.00778.1	970	196751	0	969	970	99 +	1	970	179001	179969
UN28922	Rsa1.0.01396.1	840	151624	3.00E-90	176	177	99 +	184	360	129209	129384
UN28923	Rsa1.0.23333.1	636	1056	1.00E-159	308	316	97 -	14	329	598	913
UN28924	Rsa1.0.01183.1	1128	51465	0	418	422	99 +	707	1128	20241	20661
UN28925	Rsa1.0.01171.1	1085	51752	0	1060	1100	96 +	1	1083	33654	34748
UN28926	Rsa1.0.00643.1	1632	70658	0	1344	1355	99 +	2	1354	24924	26276
UN28927	Rsa1.0.03263.1	530	24268	0	436	437	99 -	94	530	14975	15411
UN28928	Rsa1.0.12103.1	968	5314	0	404	406	99 +	1	405	9	414
UN28929	Rsa1.0.06653.1	806	10596	0	784	804	97 -	7	806	2225	3027
UN28930	Rsa1.0.08356.1	725	7485	0	435	437	99 +	290	725	6679	7115
UN28931	Rsa1.0.00008.1	738	358124	0	717	737	97 +	3	734	61748	62482
UN28932	Rsa1.0.02400.1	753	31750	0	750	753	99 -	1	753	14990	15742
UN28933	Rsa1.0.02573.1	1220	29955	0	1199	1220	98 +	1	1220	10754	11961
UN28934	Rsa1.0.03087.1	1178	25478	0	606	642	94 -	536	1175	14276	14903
UN28935	Rsa1.0.01553.1	1015	43379	1.00E-113	207	207	100 +	713	919	39674	39880
UN28936	Rsa1.0.02030.1	712	179909	0	430	430	100 -	1	430	11688	12117

UN28937	Rsa1.0.03845.1	1108	20486	1.00E-100	204	210	97 -	740	949	10622	10831
UN28938	Rsa1.0.00196.1	1126	109960	0	394	408	96 -	78	484	39892	40299
UN28939	Rsa1.0.00543.1	1094	76788	0	404	404	100 -	9	412	31685	32088
UN28940	Rsa1.0.00779.1	1211	64568	0	636	653	97 +	434	1080	53171	53823
UN28941	Rsa1.0.00711.1	1187	67223	0	427	427	100 +	761	1187	22148	22574
UN28942	Rsa1.0.02237.1	797	33544	0	583	588	99 -	188	775	7887	8474
UN28943	Rsa1.0.01887.1	763	37564	1.00E-104	213	220	96 +	7	226	27503	27722
UN28944	Rsa1.0.00784.1	1653	64359	0	727	729	99 +	1	728	25498	26226
UN28945	Rsa1.0.02004.1	876	169138	0	777	820	94 +	57	874	148454	149259
UN28946	Rsa1.0.00241.1	378	104000	1.00E-127	300	318	94 +	67	378	27774	28088
UN28947	Rsa1.0.00048.1	1031	167185	0	622	643	96 -	388	1030	36504	37146
UN28948	Rsa1.0.00790.1	789	148693	0	784	787	99 +	3	789	14655	15441
UN28949	Rsa1.0.00081.1	1080	143261	1.00E-74	146	147	99 -	715	861	10213	10359
UN28950	Rsa1.0.00111.1	777	390088	0	697	704	99 +	2	705	89833	90535
UN28951	#	#	#	#	#	#	#	#	#	#	#
UN28952	Rsa1.0.00401.1	1062	244410	0	445	454	98 -	8	461	172543	172996
UN28953	Rsa1.0.18947.1	1126	1506	1.00E-78	150	150	100 -	903	1052	188	337
UN28954	Rsa1.0.03263.1	936	24268	0	890	925	96 -	13	934	21909	22829
UN28955	Rsa1.0.01299.1	941	162028	1.00E-132	295	313	94 +	6	318	160816	161125
UN28956	Rsa1.0.02943.1	1166	153598	0	380	382	99 -	785	1166	132491	132872
UN28957	Rsa1.0.31798.1	667	718	0	372	374	99 +	3	376	55	428
UN28958	Rsa1.0.02108.1	1053	163029	0	1031	1052	98 +	2	1053	33618	34660
UN28959	Rsa1.0.16541.1	1193	2119	1.00E-164	402	440	91 +	780	1193	92	531
UN28960	Rsa1.0.00070.1	1245	150321	0	904	974	92 -	271	1226	88385	89346
UN28961	Rsa1.0.00131.1	1233	432233	0	636	670	94 +	1	650	153862	154531
UN28962	Rsa1.0.05575.1	1020	13288	0	404	416	97 -	367	779	8378	8793
UN28963	Rsa1.0.26735.1	938	880	0	356	357	99 +	581	937	1	357
UN28964	Rsa1.0.01339.1	1001	47813	0	674	696	96 -	202	894	44381	45076
UN28965	Rsa1.0.00195.1	769	251884	0	655	669	97 +	34	701	75521	76189
UN28966	Rsa1.0.00972.1	926	57937	5.00E-71	357	424	84 -	469	888	49948	50369
UN28967	Rsa1.0.04901.1	989	15526	0	327	328	99 +	110	437	10138	10465
UN28968	Rsa1.0.00205.1	1423	193401	1.00E-167	321	326	98 +	1099	1423	33441	33765
UN28969	Rsa1.0.14514.1	1074	3315	0	341	344	99 -	54	397	1993	2336
UN28970	Rsa1.0.06248.1	1295	11394	0	370	378	97 -	918	1294	4499	4876
UN28971	Rsa1.0.01167.1	1088	51859	0	900	901	99 -	1	901	3743	4643
UN28972	Rsa1.0.00017.1	441	752458	0	434	436	99 +	6	441	248042	248477
UN28973	Rsa1.0.01134.1	1140	52829	0	374	378	98 -	248	625	19094	19471
UN28974	Rsa1.0.17021.1	976	1951	0	910	977	93 -	2	973	696	1641
UN28975	Rsa1.0.07997.1	640	8106	0	358	358	100 -	281	638	4071	4428

UN28976	Rsa1.0.03548.1	859	22164	3.00E-38	113	122	92 -	63	184	2045	2165
UN28977	Rsa1.0.02762.1	1323	28146	0	377	383	98 -	940	1322	23401	23783
UN28978	Rsa1.0.00905.1	570	60110	0	334	336	99 +	234	568	19489	19824
UN28979	Rsa1.0.63300.1	842	362	0	332	332	100 -	1	332	1	332
UN28980	Rsa1.0.02301.1	1539	32835	0	541	551	98 +	3	550	6250	6800
UN28981	Rsa1.0.00072.1	737	148743	0	376	383	98 +	112	493	10439	10821
UN28982	Rsa1.0.00408.1	1216	176752	0	782	784	99 +	1	784	105810	106593
UN28983	Rsa1.0.00567.1	984	75260	0	866	902	96 -	6	904	69413	70311
UN28984	Rsa1.0.00092.1	1121	659932	0	489	499	97 -	1	499	315785	316283
UN28985	Rsa1.0.05683.1	1387	12944	0	437	440	99 +	3	442	3548	3987
UN28986	Rsa1.0.00275.1	922	210104	1.00E-145	274	278	98 -	643	920	10630	10907
UN28987	Rsa1.0.00110.1	971	132719	0	969	971	99 -	1	971	8592	9562
UN28988	Rsa1.0.01902.1	873	37455	0	569	572	99 -	301	872	2772	3342
UN28989	Rsa1.0.16067.1	1047	2300	1.00E-166	325	333	97 +	3	330	309	640
UN28990	Rsa1.0.08356.1	672	7485	1.00E-161	320	330	96 +	292	621	6679	7005
UN28991	Rsa1.0.00611.1	616	72410	0	428	438	97 +	1	438	40511	40948
UN28992	Rsa1.0.00130.1	1431	125737	0	766	793	96 +	646	1429	88366	89154
UN28993	Rsa1.0.01211.1	975	50646	0	684	724	94 -	7	723	19015	19733
UN28994	Rsa1.0.01150.1	723	52331	0	356	362	98 -	332	693	28938	29299
UN28995	Rsa1.0.10012.1	685	6039	1.00E-89	240	264	90 +	105	362	3632	3891
UN28996	Rsa1.0.00374.1	998	165738	0	753	755	99 +	1	755	146157	146911
UN28997	Rsa1.0.04660.1	214	16478	3.00E-90	203	212	95 +	1	212	4383	4592
UN28998	Rsa1.0.00067.1	470	415055	0	465	467	99 -	1	467	201846	202312
UN28999	Rsa1.0.01196.1	786	51097	4.00E-77	157	159	98 +	3	161	38384	38541
UN29000	Rsa1.0.15176.1	1338	2779	0	651	677	96 +	662	1338	357	1014
UN29001	Rsa1.0.00168.1	1099	115870	0	595	622	95 +	1	618	41775	42385
UN29002	Rsa1.0.02406.1	702	145276	0	552	564	97 +	1	561	29696	30259
UN29003	Rsa1.0.08401.1	1107	7418	0	371	376	98 -	733	1107	1686	2061
UN29004	Rsa1.0.00602.1	741	73302	1.00E-123	262	274	95 -	23	293	720	993
UN29005	Rsa1.0.00383.1	951	398431	0	933	951	98 +	1	951	145470	146420
UN29006	Rsa1.0.00051.1	840	258225	0	612	628	97 +	210	835	129741	130368
UN29007	Rsa1.0.00548.1	1440	76518	3.00E-27	151	177	85 +	324	497	3374	3547
UN29008	Rsa1.0.01424.1	427	46139	0	414	427	96 +	4	427	23807	24233
UN29009	Rsa1.0.08031.1	757	8048	0	356	363	98 +	1	361	6889	7251
UN29010	Rsa1.0.00329.1	272	222544	1.00E-144	265	267	99 +	2	268	56276	56542
UN29011	Rsa1.0.29602.1	1128	778	0	523	538	97 -	1	535	1	533
UN29012	Rsa1.0.01538.1	966	43733	0	533	565	94 +	35	599	4160	4715
UN29013	Rsa1.0.00238.1	945	193193	0	641	646	99 +	300	945	45025	45670
UN29014	Rsa1.0.00090.1	658	273859	0	589	625	94 +	1	625	88378	88993

UN29015	Rsa1.0.00198.1	657	222963	1.00E-161	302	306	98 -	353	655	23674	23979
UN29016	Rsa1.0.02191.1	990	34078	0	665	702	94 +	290	988	14506	15206
UN29017	Rsa1.0.00287.1	763	98687	0	747	768	97 -	3	763	85258	86025
UN29018	Rsa1.0.00867.1	747	61635	0	385	389	98 +	360	747	30726	31114
UN29019	Rsa1.0.02029.1	752	35857	0	377	384	98 +	1	384	25823	26206
UN29020	Rsa1.0.00258.1	993	102381	0	425	434	97 +	351	784	64017	64450
UN29021	Rsa1.0.00280.1	924	99966	0	345	348	99 +	10	357	63491	63838
UN29022	Rsa1.0.05573.1	1022	13290	1.00E-104	204	208	98 +	596	803	11128	11335
UN29023	Rsa1.0.01037.1	759	55969	0	443	445	99 -	315	759	35971	36415
UN29024	Rsa1.0.02136.1	915	34707	1.00E-101	190	191	99 +	725	915	3079	3269
UN29025	Rsa1.0.00948.1	291	58620	8.00E-67	132	133	99 -	134	266	43219	43351
UN29026	Rsa1.0.13478.1	1743	4790	0	1570	1667	94 -	99	1742	2031	3662
UN29027	Rsa1.0.00111.1	1127	390088	0	604	631	95 +	292	913	260656	261283
UN29028	Rsa1.0.00160.1	841	346678	1.00E-141	270	274	98 -	57	329	193005	193278
UN29029	Rsa1.0.00165.1	1195	116466	1.00E-121	239	245	97 +	951	1195	60604	60848
UN29030	Rsa1.0.17914.1	965	1711	0	338	340	99 -	624	963	532	871
UN29031	Rsa1.0.00006.1	780	396176	0	552	566	97 +	90	654	346200	346762
UN29032	Rsa1.0.03001.1	638	26108	1.00E-179	343	350	98 -	289	638	11695	12043
UN29033	Rsa1.0.02555.1	1016	30146	1.00E-172	381	403	94 -	1	401	22965	23367
UN29034	Rsa1.0.00628.1	1559	214360	0	719	719	100 -	840	1558	66865	67583
UN29035	Rsa1.0.00107.1	1165	431659	0	1063	1067	99 -	1	1067	334017	335082
UN29036	Rsa1.0.14197.1	1013	3674	0	554	577	96 +	1	568	865	1441
UN29037	Rsa1.0.00487.1	971	80674	0	568	569	99 +	403	971	24669	25237
UN29038	Rsa1.0.00049.1	977	167018	1.00E-129	252	258	97 +	62	319	131986	132243
UN29039	Rsa1.0.00209.1	792	108531	0	433	444	97 +	348	791	4489	4932
UN29040	Rsa1.0.09014.1	718	6709	1.00E-159	285	285	100 -	6	290	4408	4692
UN29041	Rsa1.0.05409.1	1185	13844	0	561	571	98 +	614	1184	11143	11711
UN29042	Rsa1.0.02987.1	1080	26196	1.00E-121	237	242	97 +	379	620	4636	4877
UN29043	Rsa1.0.00073.1	816	240924	3.00E-96	237	256	92 +	81	328	205535	205784
UN29044	Rsa1.0.00484.1	603	203294	1.00E-150	294	302	97 -	192	493	175407	175708
UN29045	Rsa1.0.07806.1	826	8506	1.00E-149	302	312	96 +	2	312	6184	6495
UN29046	Rsa1.0.02008.1	593	36109	0	590	592	99 -	2	593	15190	15781
UN29047	Rsa1.0.02856.1	652	27270	0	485	494	98 -	159	650	17675	18168
UN29048	Rsa1.0.00950.1	1204	58547	1.00E-166	300	301	99 +	904	1204	45825	46125
UN29049	Rsa1.0.03852.1	972	20451	0	622	625	99 +	1	625	10248	10872
UN29050	Rsa1.0.00964.1	499	316648	2.33E-156	328	348	94 -	155	495	143585	143930
UN29051	Rsa1.0.00028.1	1206	293984	1.00E-161	336	351	95 -	713	1060	33968	34318
UN29052	Rsa1.0.00385.1	851	89160	1.00E-176	325	329	98 -	523	851	52732	53060
UN29053	Rsa1.0.00060.1	1367	502678	0	841	874	96 -	502	1367	28769	29642

UN29054	Rsa1.0.02314.1	825	32642	0	553	582	95 -	254	820	29546	30126
UN29055	Rsa1.0.00155.1	1517	118465	0	575	575	100 -	1	575	75583	76157
UN29056	Rsa1.0.04249.1	1372	18269	1.00E-179	433	468	92 -	430	881	4360	4827
UN29057	Rsa1.0.03292.1	300	23977	1.00E-106	230	239	96 +	62	298	8486	8724
UN29058	Rsa1.0.00284.1	709	323267	0	392	396	98 +	35	430	255723	256117
UN29059	Rsa1.0.02148.1	1083	34610	0	1072	1074	99 -	10	1083	23889	24962
UN29060	Rsa1.0.00041.1	786	186197	3.00E-87	179	184	97 -	100	283	175346	175529
UN29061	Rsa1.0.00585.1	1396	74164	0	326	326	100 -	354	679	49228	49553
UN29062	Rsa1.0.06010.1	1405	11944	0	649	727	89 +	586	1312	4866	5592
UN29063	Rsa1.0.05269.1	1394	14311	0	1182	1212	97 +	1	1212	6347	7556
UN29064	#	#	#	#	#	#	#	#	#	#	#
UN29065	Rsa1.0.01071.1	811	166914	0	808	811	99 -	1	811	13081	13891
UN29066	Rsa1.0.02123.1	889	149053	0	700	702	99 +	188	889	30492	31193
UN29067	Rsa1.0.04816.1	1003	15872	1.00E-139	278	287	96 -	106	392	7702	7988
UN29068	Rsa1.0.00156.1	1307	118383	0	1205	1216	99 +	1	1215	89947	91162
UN29069	Rsa1.0.00036.1	506	176186	0	502	502	100 -	3	504	159074	159575
UN29070	Rsa1.0.02300.1	958	32847	0	379	383	98 +	1	382	4524	4905
UN29071	Rsa1.0.00651.1	862	247766	0	474	485	97 -	39	523	80397	80880
UN29072	Rsa1.0.00898.1	594	202772	4.00E-30	263	328	80 -	40	367	16201	16528
UN29073	Rsa1.0.02957.1	426	26479	1.00E-140	256	257	99 +	169	425	4855	5111
UN29074	Rsa1.0.00984.1	987	57580	0	362	362	100 -	626	987	3943	4304
UN29075	Rsa1.0.00110.1	1359	132719	0	458	468	97 +	892	1359	102697	103162
UN29076	Rsa1.0.02570.1	845	30000	1.00E-128	320	349	91 -	8	338	4772	5113
UN29077	Rsa1.0.00846.1	847	62342	0	808	848	95 -	1	847	40583	41430
UN29078	Rsa1.0.00300.1	841	97747	0	456	456	100 -	1	456	2695	3150
UN29079	Rsa1.0.02220.1	1502	176031	0	854	861	99 +	646	1502	155570	156430
UN29080	Rsa1.0.00277.1	777	100132	0	486	490	99 +	137	626	14587	15076
UN29081	Rsa1.0.00579.1	674	148308	0	385	385	100 +	3	387	35562	35946
UN29082	Rsa1.0.01450.1	604	144251	0	533	580	91 -	45	604	42214	42793
UN29083	Rsa1.0.00727.1	779	66724	5.00E-95	206	215	95 -	527	741	49448	49659
UN29084	Rsa1.0.01164.1	1298	51934	0	1242	1274	97 +	1	1272	36789	38061
UN29085	Rsa1.0.13828.1	1161	4254	0	795	819	97 +	1	809	2049	2866
UN29086	Rsa1.0.00490.1	903	186713	1.00E-165	324	334	97 -	569	902	164814	165147
UN29087	Rsa1.0.01199.1	714	163576	0	707	712	99 +	4	712	120059	120770
UN29088	Rsa1.0.02876.1	889	27062	0	861	873	98 +	3	874	8924	9796
UN29089	Rsa1.0.00363.1	678	90968	9.00E-81	159	161	98 +	218	378	30156	30316
UN29090	Rsa1.0.01021.1	586	56610	0	393	394	99 -	190	583	36470	36863
UN29091	Rsa1.0.01344.1	1044	142535	0	430	452	95 -	605	1044	109896	110344
UN29092	Rsa1.0.03305.1	1060	147552	0	1012	1019	99 +	39	1057	142405	143423

UN29093	Rsa1.0.00715.1	1054	67116	0	551	552	99 -	354	905	60349	60900
UN29094	Rsa1.0.07408.1	739	9445	0	333	337	98 -	3	339	4561	4897
UN29095	Rsa1.0.01087.1	482	54508	1.00E-144	300	316	94 +	167	482	16972	17275
UN29096	Rsa1.0.08069.1	1132	7960	0	969	1010	95 +	1	1006	6660	7669
UN29097	Rsa1.0.00201.1	515	232851	1.00E-100	215	225	95 -	207	431	109331	109555
UN29098	Rsa1.0.00070.1	790	150321	0	530	551	96 -	1	551	35895	36443
UN29099	Rsa1.0.01046.1	866	152989	0	830	873	95 -	3	863	140048	140911
UN29100	Rsa1.0.08020.1	909	8075	0	593	614	96 +	302	909	670	1283
UN29101	Rsa1.0.04321.1	980	17930	0	974	975	99 +	6	980	2998	3971
UN29102	Rsa1.0.00163.1	544	116847	0	512	553	92 +	2	544	85643	86195
UN29103	Rsa1.0.07999.1	1071	8102	0	1005	1015	99 -	2	1014	80	1093
UN29104	Rsa1.0.00589.1	1110	209965	3.00E-35	145	165	87 +	607	770	152513	152676
UN29105	Rsa1.0.05841.1	803	12465	0	798	801	99 +	3	803	5737	6535
UN29106	Rsa1.0.00031.1	929	179862	0	362	362	100 -	568	929	116659	117020
UN29107	Rsa1.0.01353.1	1193	47351	0	1155	1197	96 -	1	1191	16428	17619
UN29108	Rsa1.0.03104.1	657	25374	0	421	435	96 +	222	656	5215	5649
UN29109	Rsa1.0.00013.1	1064	292129	1.00E-167	343	357	96 -	2	358	16535	16888
UN29110	Rsa1.0.01306.1	1003	48720	0	1000	1002	99 +	1	1002	38402	39403
UN29111	Rsa1.0.00009.1	820	232558	2.00E-85	164	165	99 +	249	413	148706	148870
UN29112	Rsa1.0.05081.1	724	136103	3.00E-93	180	182	98 -	106	287	10877	11058
UN29113	Rsa1.0.00077.1	1119	145005	0	680	713	95 +	16	727	17852	18552
UN29114	Rsa1.0.00069.1	457	403561	1.00E-151	274	275	99 +	183	457	236224	236498
UN29115	Rsa1.0.21919.1	937	1163	1.00E-114	233	241	96 +	2	242	923	1163
UN29116	Rsa1.0.00539.1	649	76926	0	407	411	99 -	237	647	52123	52533
UN29117	Rsa1.0.00121.1	871	278029	1.00E-118	231	236	97 -	19	254	60944	61179
UN29118	Rsa1.0.01687.1	983	40979	0	430	445	96 +	1	440	10521	10961
UN29119	Rsa1.0.30697.1	988	747	0	560	564	99 -	1	564	1	564
UN29120	Rsa1.0.11715.1	434	5432	0	433	434	99 -	1	434	226	659
UN29121	Rsa1.0.08297.1	872	7587	0	843	883	95 +	2	871	5331	6213
UN29122	Rsa1.0.00365.1	988	90902	0	681	690	98 +	1	689	63390	64077
UN29123	Rsa1.0.00037.1	592	307838	1.00E-134	255	259	98 +	331	589	249770	250028
UN29124	Rsa1.0.02605.1	664	29637	0	622	667	93 -	2	662	14048	14689
UN29125	Rsa1.0.15050.1	562	2868	0	380	383	99 +	2	382	429	811
UN29126	Rsa1.0.06941.1	1066	10137	3.00E-17	98	115	85 +	757	871	9727	9841
UN29127	Rsa1.0.01797.1	846	39140	7.00E-39	287	352	81 -	48	393	1037	1388
UN29128	Rsa1.0.00088.1	411	141341	0	405	406	99 -	6	411	21428	21833
UN29129	Rsa1.0.00981.1	730	57700	0	398	405	98 -	2	405	42146	42550
UN29130	Rsa1.0.12672.1	934	5157	1.00E-164	665	775	85 +	29	792	2731	3493
UN29131	Rsa1.0.00472.1	648	398134	1.00E-128	251	257	97 +	338	594	174721	174977

UN29132	Rsa1.0.03133.1	1041	25135	0	624	631	98 +	411	1041	18206	18836
UN29133	Rsa1.0.01098.1	870	54215	1.00E-165	303	306	99 -	1	306	52184	52489
UN29134	#	#	#	#	#	#	#	#	#	#	#
UN29135	Rsa1.0.01249.1	957	188432	0	399	407	98 +	551	957	160759	161165
UN29136	Rsa1.0.01134.1	1004	52829	0	378	378	100 +	415	792	19094	19471
UN29137	Rsa1.0.00959.1	1148	58202	0	1125	1153	97 -	1	1145	33605	34757
UN29138	Rsa1.0.00595.1	378	341648	1.00E-176	368	386	95 +	1	378	49424	49809
UN29139	Rsa1.0.00191.1	828	316976	1.00E-168	380	401	94 +	436	828	144943	145343
UN29140	Rsa1.0.03977.1	777	19758	0	529	583	90 +	1	570	18346	18917
UN29141	Rsa1.0.00001.1	840	363028	0	787	836	94 -	7	836	44182	45012
UN29142	Rsa1.0.02379.1	626	150705	0	433	435	99 +	190	624	138122	138556
UN29143	Rsa1.0.00510.1	961	78718	0	465	468	99 +	494	961	57203	57670
UN29144	Rsa1.0.04028.1	812	19493	0	546	547	99 +	266	812	1399	1945
UN29145	Rsa1.0.14863.1	795	3006	0	443	449	98 -	250	697	602	1050
UN29146	Rsa1.0.00038.1	794	314568	3.00E-50	112	114	98 +	675	787	313091	313204
UN29147	Rsa1.0.01822.1	818	38784	0	408	408	100 +	3	410	28866	29273
UN29148	Rsa1.0.07290.1	879	9608	0	744	782	95 -	3	781	4419	5197
UN29149	Rsa1.0.00451.1	581	322533	1.00E-158	288	290	99 -	4	293	28562	28851
UN29150	Rsa1.0.03984.1	873	19709	0	696	739	94 +	141	873	18714	19437
UN29151	Rsa1.0.00605.1	1043	73199	0	828	856	96 +	193	1042	26414	27269
UN29152	Rsa1.0.01963.1	893	36719	0	845	891	94 +	2	891	279	1149
UN29153	Rsa1.0.00269.1	823	341668	0	811	832	97 -	3	821	23661	24492
UN29154	Rsa1.0.00309.1	878	96883	0	381	384	99 -	475	858	89335	89718
UN29155	Rsa1.0.08675.1	429	7054	0	408	415	98 -	13	427	5749	6163
UN29156	Rsa1.0.02215.1	1371	33822	1.00E-115	239	247	96 -	1	247	24317	24562
UN29157	Rsa1.0.02723.1	423	28408	0	407	413	98 +	4	414	10659	11071
UN29158	Rsa1.0.00059.1	674	159650	1.00E-119	220	221	99 -	454	674	154839	155059
UN29159	Rsa1.0.00368.1	747	90669	9.00E-66	167	180	92 +	318	497	13900	14079
UN29160	Rsa1.0.01475.1	593	45044	0	567	595	95 -	5	587	7576	8168
UN29161	Rsa1.0.00040.1	897	324196	0	424	444	95 -	235	677	234158	234591
UN29162	Rsa1.0.00198.1	525	222963	1.00E-131	237	237	100 +	289	525	31462	31698
UN29163	Rsa1.0.01308.1	1107	48596	0	681	684	99 +	3	686	21378	22061
UN29164	Rsa1.0.08048.1	676	137630	0	555	556	99 +	121	676	130328	130883
UN29165	Rsa1.0.00265.1	507	220635	1.00E-143	322	343	93 -	40	372	188305	188644
UN29166	Rsa1.0.07990.1	1126	8119	0	1120	1125	99 +	1	1125	6724	7848
UN29167	Rsa1.0.00205.1	1202	193401	0	1101	1126	97 -	83	1202	40233	41354
UN29168	Rsa1.0.00054.1	787	162053	0	425	444	95 +	347	787	105351	105792
UN29169	Rsa1.0.05876.1	317	12348	1.00E-179	317	317	100 +	1	317	7792	8108
UN29170	Rsa1.0.09439.1	941	6370	0	529	530	99 -	230	759	4128	4657

UN29171	Rsa1.0.01118.1	1165	53460	0	534	552	96 +	109	660	2040	2591
UN29172	Rsa1.0.04130.1	1116	18924	4.00E-13	100	117	85 +	388	500	9439	9553
UN29173	Rsa1.0.01850.1	909	162224	0	469	472	99 +	438	909	18339	18810
UN29174	Rsa1.0.00218.1	722	201480	0	720	720	100 +	2	721	138060	138779
UN29175	Rsa1.0.02063.1	1387	35484	0	1362	1386	98 +	2	1387	9698	11081
UN29176	Rsa1.0.00679.1	1013	68971	0	901	943	95 -	53	981	64493	65435
UN29177	Rsa1.0.03353.1	461	23496	0	444	481	92 +	1	461	15337	15811
UN29178	Rsa1.0.14793.1	573	3063	0	521	571	91 +	6	572	1270	1832
UN29179	Rsa1.0.01799.1	803	39127	0	462	466	99 +	1	466	18305	18769
UN29180	Rsa1.0.01321.1	808	48248	0	372	376	98 -	431	806	34827	35202
UN29181	Rsa1.0.00217.1	626	107079	1.00E-105	216	222	97 +	405	626	81630	81850
UN29182	Rsa1.0.15756.1	657	2442	1.00E-163	319	327	97 -	116	440	1884	2210
UN29183	Rsa1.0.01864.1	1155	37998	1.00E-132	240	240	100 -	790	1029	36820	37059
UN29184	Rsa1.0.01740.1	830	39986	0	652	653	99 -	179	830	4782	5434
UN29185	Rsa1.0.01058.1	634	55430	0	543	544	99 -	91	634	35421	35964
UN29186	Rsa1.0.00806.1	1076	63674	0	589	607	97 -	1	602	4643	5246
UN29187	#	#	#	#	#	#	#	#	#	#	#
UN29188	Rsa1.0.00308.1	796	96915	0	428	430	99 -	367	796	90109	90538
UN29189	Rsa1.0.00116.1	1151	365886	0	710	741	95 +	1	740	13730	14460
UN29190	Rsa1.0.03357.1	690	23478	1.00E-130	242	244	99 +	251	494	14715	14958
UN29191	Rsa1.0.00015.1	695	561803	0	348	349	99 +	1	349	430757	431105
UN29192	Rsa1.0.02705.1	848	28535	0	610	631	96 +	75	705	940	1570
UN29193	Rsa1.0.00166.1	765	240912	0	482	485	99 +	3	487	207420	207903
UN29194	Rsa1.0.35503.1	547	637	1.00E-150	282	286	98 +	3	288	325	610
UN29195	Rsa1.0.00051.1	713	258225	0	541	574	94 +	7	572	118684	119250
UN29196	Rsa1.0.01514.1	646	44222	0	623	639	97 +	5	643	4069	4695
UN29197	Rsa1.0.00364.1	727	90951	0	712	727	97 +	1	727	49166	49892
UN29198	Rsa1.0.00639.1	736	165873	0	556	586	94 +	1	578	107987	108560
UN29199	Rsa1.0.00324.1	1100	218805	0	338	340	99 -	761	1100	28270	28609
UN29200	Rsa1.0.01789.1	870	39250	0	690	726	95 +	152	869	13468	14191
UN29201	Rsa1.0.00027.1	501	283362	0	363	369	98 +	1	369	110283	110651
UN29202	Rsa1.0.01327.1	729	48033	0	708	733	96 +	3	729	4703	5434
UN29203	Rsa1.0.01866.1	823	37961	0	769	826	93 -	8	822	13716	14510
UN29204	Rsa1.0.01556.1	719	163858	0	686	735	93 -	3	719	160588	161314
UN29205	Rsa1.0.02381.1	1030	31972	0	564	565	99 +	1	564	29619	30183
UN29206	Rsa1.0.01007.1	660	56933	0	477	483	98 +	5	486	4093	4575
UN29207	Rsa1.0.07095.1	909	9901	1.00E-155	290	294	98 +	612	905	5131	5424
UN29208	Rsa1.0.00362.1	671	299497	0	469	473	99 -	2	473	255628	256100
UN29209	Rsa1.0.01608.1	275	170540	1.00E-101	260	282	92 -	1	275	34324	34600

UN29210	Rsa1.0.00099.1	960	159619	0	911	954	95 -	7	960	156749	157693
UN29211	Rsa1.0.16480.1	1052	2141	0	721	722	99 +	331	1052	335	1056
UN29212	Rsa1.0.08477.1	832	7295	1.00E-132	239	239	100 -	565	803	5421	5659
UN29213	Rsa1.0.02516.1	674	30608	1.00E-123	227	228	99 +	445	672	21007	21234
UN29214	Rsa1.0.00104.1	820	368722	0	776	818	94 -	5	810	68772	69589
UN29215	Rsa1.0.26434.1	641	892	0	331	334	99 -	1	334	546	879
UN29216	Rsa1.0.03668.1	390	21483	1.00E-136	352	387	90 +	27	389	3820	4206
UN29217	Rsa1.0.00181.1	757	114269	0	716	737	97 -	24	757	2985	3721
UN29218	Rsa1.0.14468.1	476	3362	0	433	439	98 +	38	476	581	1019
UN29219	Rsa1.0.03051.1	666	25758	0	661	663	99 -	3	665	5049	5711
UN29220	Rsa1.0.02115.1	778	34858	0	405	411	98 -	367	777	20510	20920
UN29221	Rsa1.0.00101.1	958	267193	0	432	436	99 +	524	958	94814	95249
UN29222	Rsa1.0.04596.1	582	16709	1.00E-152	327	350	93 -	1	330	6	355
UN29223	Rsa1.0.00747.1	535	66030	0	525	534	98 -	3	535	49916	50447
UN29224	Rsa1.0.01500.1	311	141844	8.00E-58	114	114	100 -	116	229	112837	112950
UN29225	Rsa1.0.01712.1	195	154210	4.00E-74	181	194	93 +	1	190	28318	28511
UN29226	Rsa1.0.01035.1	692	56019	4.00E-80	199	211	94 -	301	507	51587	51797
UN29227	Rsa1.0.04665.1	753	16469	4.00E-34	99	107	92 +	394	500	15700	15806
UN29228	Rsa1.0.04489.1	970	17145	0	931	967	96 -	4	964	4020	4985
UN29229	Rsa1.0.08186.1	699	7770	0	377	378	99 +	322	699	6608	6985
UN29230	Rsa1.0.02870.1	1097	27102	1.00E-161	363	387	93 +	3	380	26058	26441
UN29231	Rsa1.0.01521.1	301	142147	1.00E-133	283	299	94 +	3	301	137580	137867
UN29232	Rsa1.0.71037.1	851	323	1.00E-166	303	305	99 +	1	305	15	319
UN29233	Rsa1.0.04779.1	1097	16008	0	441	458	96 -	255	712	1604	2061
UN29234	#	#	#	#	#	#	#	#	#	#	#
UN29235	Rsa1.0.07629.1	1331	8997	0	547	565	96 +	349	913	1	565
UN29236	Rsa1.0.03229.1	749	24470	1.00E-103	191	191	100 +	76	266	10028	10218
UN29237	Rsa1.0.00210.1	765	108424	0	614	625	98 -	142	765	86580	87204
UN29238	Rsa1.0.11773.1	456	5413	6.00E-35	130	148	87 -	306	453	5217	5364
UN29239	Rsa1.0.06396.1	687	11094	1.00E-116	234	241	97 -	447	687	10462	10702
UN29240	Rsa1.0.04209.1	847	18442	1.00E-169	316	321	98 -	137	457	14161	14481
UN29241	Rsa1.0.04854.1	967	131560	1.00E-153	277	278	99 -	1	278	10471	10748
UN29242	Rsa1.0.00177.1	357	143394	2.00E-58	133	139	95 -	2	140	41885	42023
UN29243	Rsa1.0.03471.1	968	22678	9.00E-14	41	41	100 -	927	967	5306	5346
UN29244	Rsa1.0.09458.1	1249	6353	0	1223	1286	95 -	3	1247	1465	2748
UN29245	Rsa1.0.02552.1	1004	30191	0	1002	1003	99 -	2	1004	17708	18710
UN29246	Rsa1.0.00107.1	1018	431659	0	733	741	98 +	4	744	280743	281483
UN29247	Rsa1.0.00015.1	1186	561803	0	685	742	92 +	2	729	553175	553905
UN29248	Rsa1.0.01727.1	747	40243	1.00E-138	287	300	95 +	3	293	25886	26182

UN29249	Rsa1.0.00420.1	627	86496	0	484	497	97 -	131	627	46886	47382
UN29250	Rsa1.0.74512.1	448	308	1.00E-165	307	310	99 +	109	418	1	308
UN29251	Rsa1.0.01628.1	1154	41932	0	1024	1062	96 -	96	1154	5791	6845
UN29252	Rsa1.0.08631.1	1147	7103	1.00E-157	359	387	92 +	23	397	2865	3251
UN29253	Rsa1.0.07344.1	588	9528	1.00E-180	332	336	98 +	3	338	7505	7840
UN29254	Rsa1.0.00055.1	1187	520193	0	1103	1167	94 -	1	1144	307818	308979
UN29255	Rsa1.0.03240.1	1255	24429	0	439	443	99 +	2	443	18456	18898
UN29256	Rsa1.0.00627.1	796	71566	1.00E-153	302	310	97 -	79	387	41766	42075
UN29257	Rsa1.0.04236.1	595	18370	0	437	447	97 -	151	595	15671	16117
UN29258	Rsa1.0.00412.1	1210	86935	1.00E-133	323	346	93 -	561	900	38190	38528
UN29259	Rsa1.0.00304.1	576	97429	0	372	376	98 -	200	575	74070	74445
UN29260	Rsa1.0.00166.1	778	240912	0	733	777	94 -	2	778	208968	209721
UN29261	Rsa1.0.00079.1	748	606987	0	722	767	94 +	1	747	584698	585457
UN29262	Rsa1.0.03624.1	954	21706	1.00E-179	412	443	93 -	8	439	5298	5732
UN29263	Rsa1.0.00001.1	772	363028	1.00E-172	347	360	96 +	1	360	223862	224217
UN29264	Rsa1.0.00891.1	723	60724	0	429	439	97 +	287	723	22254	22689
UN29265	Rsa1.0.03800.1	529	20768	0	348	348	100 +	1	348	6063	6410
UN29266	Rsa1.0.00479.1	1391	81377	6.00E-90	181	185	97 +	235	419	23926	24110
UN29267	Rsa1.0.00157.1	729	245832	1.00E-128	316	346	91 -	118	452	76910	77244
UN29268	Rsa1.0.01489.1	654	44764	0	365	367	99 -	2	368	37595	37961
UN29269	Rsa1.0.02279.1	555	33069	0	548	552	99 -	5	554	20073	20624
UN29270	Rsa1.0.00375.1	228	90207	1.00E-125	227	227	100 +	1	227	41453	41679
UN29271	Rsa1.0.02840.1	719	27386	0	714	717	99 +	3	719	7287	8003
UN29272	Rsa1.0.01973.1	601	36598	0	601	601	100 +	1	601	29386	29986
UN29273	Rsa1.0.14063.1	747	3852	0	333	335	99 +	413	747	2582	2916
UN29274	Rsa1.0.14293.1	804	3569	0	802	805	99 -	2	804	1237	2041
UN29275	Rsa1.0.00685.1	1087	68515	0	807	810	99 -	3	812	27254	28063
UN29276	Rsa1.0.01081.1	864	499226	1.00E-86	190	199	95 +	374	572	6130	6328
UN29277	Rsa1.0.01011.1	664	56883	0	643	659	97 -	6	664	28147	28805
UN29278	Rsa1.0.00879.1	938	61297	0	826	854	96 -	87	934	47081	47922
UN29279	Rsa1.0.03767.1	936	20969	1.00E-114	281	300	93 -	2	293	6426	6722
UN29280	Rsa1.0.00080.1	583	190437	5.00E-76	293	340	86 +	1	319	99547	99884
UN29281	Rsa1.0.03446.1	591	22876	1.00E-24	74	79	93 -	278	356	21454	21532
UN29282	Rsa1.0.16793.1	805	2033	0	777	809	96 +	2	804	1021	1825
UN29283	Rsa1.0.00931.1	771	59210	0	466	481	96 -	111	591	19424	19895
UN29284	Rsa1.0.02608.1	649	29613	1.00E-158	396	433	91 +	178	608	21255	21677
UN29285	Rsa1.0.04063.1	1049	19300	0	937	970	96 +	93	1045	8188	9157
UN29286	Rsa1.0.00197.1	1043	109714	0	1038	1041	99 +	3	1043	82655	83695
UN29287	Rsa1.0.00991.1	756	143101	1.00E-131	311	331	93 +	421	746	45342	45665

UN29288	Rsa1.0.00132.1	667	124299	0	551	573	96 +	1	559	101782	102354
UN29289	Rsa1.0.00269.1	639	341668	1.00E-140	253	253	100 +	387	639	16422	16674
UN29290	Rsa1.0.02333.1	1232	32431	0	611	646	94 -	601	1231	7847	8492
UN29291	Rsa1.0.02683.1	795	28679	1.00E-151	384	421	91 +	3	415	12315	12734
UN29292	Rsa1.0.00102.1	661	135497	0	560	584	95 -	3	582	55347	55929
UN29293	Rsa1.0.01584.1	752	42811	3.00E-93	373	438	85 -	295	710	16582	17005
UN29294	Rsa1.0.00471.1	962	81897	0	625	627	99 +	198	824	76439	77065
UN29295	Rsa1.0.00053.1	1169	263459	1.00E-157	311	317	98 +	855	1169	6932	7246
UN29296	Rsa1.0.02114.1	891	34873	0	424	446	95 +	450	891	2538	2977
UN29297	Rsa1.0.03646.1	771	21598	1.00E-131	318	345	92 -	1	335	9980	10324
UN29298	#	#	#	#	#	#	#	#	#	#	#
UN29299	Rsa1.0.01006.1	1250	163670	0	637	643	99 -	1	643	22996	23638
UN29300	Rsa1.0.01651.1	771	41586	0	539	560	96 +	213	768	19156	19713
UN29301	Rsa1.0.00611.1	1093	72410	0	575	608	94 +	497	1092	55879	56486
UN29302	Rsa1.0.00829.1	744	158305	1.00E-104	258	276	93 +	469	742	109209	109482
UN29303	Rsa1.0.00251.1	1317	303968	1.00E-136	255	258	98 +	19	276	111520	111777
UN29304	Rsa1.0.00116.1	437	365886	0	384	387	99 +	3	388	137227	137613
UN29305	Rsa1.0.00132.1	543	124299	0	404	407	99 +	137	543	107831	108237
UN29306	Rsa1.0.00288.1	668	98659	0	429	440	97 -	1	439	55610	56046
UN29307	Rsa1.0.00090.1	994	273859	0	992	993	99 +	2	994	252718	253710
UN29308	Rsa1.0.00222.1	1165	172263	0	848	871	97 +	1	867	2949	3817
UN29309	Rsa1.0.00529.1	933	77487	2.00E-92	179	181	98 -	295	475	19401	19581
UN29310	Rsa1.0.00178.1	681	114861	1.00E-178	342	350	97 -	332	681	42610	42956
UN29311	Rsa1.0.00785.1	946	64356	0	932	945	98 +	2	946	20456	21400
UN29312	Rsa1.0.00099.1	871	159619	0	391	391	100 +	2	392	155517	155907
UN29313	Rsa1.0.00613.1	567	209993	0	549	553	99 -	3	555	197531	198082
UN29314	Rsa1.0.00153.1	695	192931	1.00E-112	220	225	97 +	471	695	77436	77660
UN29315	Rsa1.0.02632.1	795	29316	0	778	799	97 -	3	795	11304	12101
UN29316	Rsa1.0.01999.1	1344	36237	0	517	548	94 +	303	849	28001	28540
UN29317	Rsa1.0.00211.1	875	228189	0	380	386	98 +	441	826	183423	183808
UN29318	Rsa1.0.00322.1	1208	212233	0	688	703	97 -	32	733	53448	54150
UN29319	Rsa1.0.04223.1	617	18407	0	603	627	96 +	2	617	2981	3607
UN29320	Rsa1.0.00964.1	600	316648	1.00E-153	357	385	92 -	8	392	26183	26561
UN29321	Rsa1.0.01844.1	773	38421	3.00E-90	196	205	95 -	94	298	11674	11878
UN29322	Rsa1.0.00093.1	806	214962	0	743	791	93 +	8	795	4628	5415
UN29323	Rsa1.0.00161.1	1168	116891	1.00E-158	290	291	99 +	878	1168	5864	6153
UN29324	Rsa1.0.42609.1	782	527	0	508	513	99 -	144	656	15	527
UN29325	Rsa1.0.01964.1	905	36702	0	454	456	99 -	448	903	9322	9776
UN29326	Rsa1.0.00513.1	934	78579	1.00E-130	246	249	98 -	298	546	73789	74037

UN29327	Rsa1.0.02911.1	1098	142461	0	683	703	97 -	395	1097	141759	142461
UN29328	Rsa1.0.25656.1	705	927	7.00E-94	184	187	98 +	3	189	528	714
UN29329	Rsa1.0.00364.1	1070	90951	0	418	445	93 -	646	1068	20050	20494
UN29330	Rsa1.0.02505.1	822	30703	0	510	514	99 +	1	514	17594	18107
UN29331	Rsa1.0.02169.1	777	34367	0	767	768	99 -	8	775	6583	7350
UN29332	Rsa1.0.00087.1	705	761073	6.00E-73	152	156	97 -	406	561	76412	76567
UN29333	Rsa1.0.04518.1	684	17005	0	391	407	96 +	287	684	9229	9634
UN29334	Rsa1.0.00129.1	557	126831	0	553	558	99 +	1	556	29824	30381
UN29335	Rsa1.0.02371.1	524	32069	0	408	421	96 -	1	420	31512	31931
UN29336	Rsa1.0.01090.1	548	54385	2.00E-84	192	201	95 +	12	212	5797	5993
UN29337	Rsa1.0.00652.1	1168	70089	0	539	568	94 +	2	568	59758	60321
UN29338	Rsa1.0.00024.1	301	188018	1.00E-158	294	298	98 -	3	300	72714	73011
UN29339	Rsa1.0.04379.1	193	17646	6.00E-79	179	189	94 +	5	193	16819	17007
UN29340	Rsa1.0.00055.1	587	520193	0	552	580	95 +	6	585	340906	341483
UN29341	Rsa1.0.02257.1	629	33318	1.00E-82	220	240	91 -	13	251	26748	26987
UN29342	Rsa1.0.01327.1	1240	48033	0	1237	1239	99 +	2	1240	25521	26759
UN29343	Rsa1.0.01929.1	882	37191	0	509	539	94 +	349	882	21083	21607
UN29344	Rsa1.0.01466.1	899	45161	0	477	497	95 -	95	590	16726	17222
UN29345	Rsa1.0.07736.1	774	8687	0	591	598	98 -	176	773	5715	6311
UN29346	Rsa1.0.00363.1	996	90968	0	565	591	95 +	418	996	63275	63862
UN29347	Rsa1.0.00347.1	927	93048	0	925	928	99 +	2	927	64592	65519
UN29348	Rsa1.0.07494.1	795	9258	0	756	786	96 -	12	795	6336	7116
UN29349	Rsa1.0.03249.1	757	146254	1.00E-154	319	334	95 +	354	674	140603	140936
UN29350	Rsa1.0.07374.1	947	9503	0	534	540	98 +	409	946	4829	5368
UN29351	Rsa1.0.00344.1	655	191774	0	623	665	93 +	1	655	126323	126985
UN29352	Rsa1.0.03286.1	1133	24046	0	363	369	98 +	694	1061	1511	1879
UN29353	Rsa1.0.04522.1	1145	16988	0	1103	1144	96 -	1	1144	14107	15239
UN29354	Rsa1.0.01642.1	1309	41772	0	1306	1307	99 -	1	1307	8791	10097
UN29355	Rsa1.0.04525.1	830	16965	0	801	837	95 +	8	825	9139	9975
UN29356	Rsa1.0.00149.1	438	305196	1.00E-75	147	148	99 +	115	262	8266	8413
UN29357	Rsa1.0.00110.1	759	132719	0	756	758	99 -	1	757	34455	35212
UN29358	Rsa1.0.00842.1	546	62493	0	491	541	90 -	7	544	44600	45117
UN29359	Rsa1.0.37979.1	818	593	0	359	359	100 -	423	781	1	359
UN29360	Rsa1.0.00143.1	1136	121313	0	1015	1041	97 -	1	1039	64361	65399
UN29361	Rsa1.0.00275.1	1014	210104	1.00E-179	356	368	96 -	651	1014	131472	131839
UN29362	Rsa1.0.02179.1	1107	34188	3.00E-54	130	137	94 +	69	205	21462	21598
UN29363	Rsa1.0.00123.1	930	325650	0	582	585	99 -	1	585	81624	82208
UN29364	Rsa1.0.71302.1	708	321	0	321	321	100 -	330	650	1	321
UN29365	Rsa1.0.00213.1	890	108167	0	815	852	95 -	39	888	18057	18906

UN29366	Rsa1.0.03237.1	890	24434	0	575	613	93 -	1	612	10294	10904
UN29367	Rsa1.0.03743.1	1249	21062	0	486	503	96 +	746	1248	18008	18510
UN29368	Rsa1.0.04863.1	1151	15687	1.00E-169	311	314	99 +	1	314	6578	6891
UN29369	Rsa1.0.10394.1	1103	5861	1.00E-133	275	285	96 +	628	912	1486	1769
UN29370	Rsa1.0.01026.1	696	171624	0	370	371	99 -	1	371	12032	12401
UN29371	Rsa1.0.00141.1	797	121494	1.00E-100	195	198	98 +	303	500	98339	98536
UN29372	Rsa1.0.00501.1	1334	79545	0	676	677	99 +	1	676	35262	35938
UN29373	Rsa1.0.02532.1	437	30403	6.00E-87	182	187	97 +	2	188	27455	27640
UN29374	Rsa1.0.00458.1	667	82717	3.00E-99	187	188	99 -	1	188	75960	76147
UN29375	Rsa1.0.17140.1	464	1910	0	398	400	99 +	7	406	1327	1726
UN29376	Rsa1.0.01717.1	957	143162	0	527	528	99 -	1	528	27355	27882
UN29377	Rsa1.0.00222.1	812	172263	0	584	605	96 +	211	810	95612	96214
UN29378	Rsa1.0.12537.1	995	5199	0	958	1006	95 -	1	993	900	1897
UN29379	Rsa1.0.03035.1	746	25827	0	720	748	96 -	1	745	1700	2441
UN29380	Rsa1.0.05068.1	576	14940	0	360	362	99 +	1	362	10202	10563
UN29381	Rsa1.0.00269.1	1006	341668	1.00E-176	390	417	93 +	9	419	302639	303046
UN29382	Rsa1.0.15175.1	687	2779	1.00E-156	285	287	99 +	1	287	1086	1372
UN29383	Rsa1.0.00524.1	619	169613	1.00E-111	278	304	91 +	306	600	161157	161460
UN29384	Rsa1.0.00366.1	687	90880	1.00E-160	317	327	96 -	3	329	33806	34132
UN29385	Rsa1.0.02715.1	1066	28466	0	700	715	97 -	4	717	7285	7998
UN29386	Rsa1.0.01470.1	859	45108	0	829	855	96 +	2	856	43864	44717
UN29387	Rsa1.0.16231.1	678	131890	0	556	597	93 +	90	674	167	760
UN29388	Rsa1.0.00427.1	644	189678	0	454	456	99 -	188	643	44400	44855
UN29389	Rsa1.0.00017.1	787	752458	0	401	411	97 +	377	787	426994	427403
UN29390	Rsa1.0.01847.1	739	38346	0	542	545	99 -	1	545	3801	4345
UN29391	Rsa1.0.01122.1	730	53369	1.00E-147	280	284	98 +	449	730	4370	4653
UN29392	Rsa1.0.07319.1	1180	9561	0	383	389	98 -	1	389	8937	9325
UN29393	Rsa1.0.00278.1	1081	231896	0	616	644	95 +	456	1081	65539	66179
UN29394	Rsa1.0.02504.1	485	30706	0	381	385	98 -	102	485	16747	17131
UN29395	Rsa1.0.03594.1	1011	21868	0	418	420	99 -	2	421	8931	9350
UN29396	Rsa1.0.00038.1	1152	314568	0	1141	1156	98 -	1	1152	28871	30026
UN29397	Rsa1.0.00055.1	1252	520193	1.00E-99	241	259	93 +	798	1053	176460	176718
UN29398	Rsa1.0.10711.1	763	5749	1.00E-150	269	269	100 -	8	276	5152	5420
UN29399	Rsa1.0.03800.1	630	20768	1.00E-177	315	315	100 -	3	317	8309	8623
UN29400	Rsa1.0.00114.1	815	131330	0	397	408	97 +	409	815	16763	17168
UN29401	Rsa1.0.02406.1	502	145276	0	411	417	98 -	3	419	23686	24102
UN29402	Rsa1.0.00828.1	652	62744	0	637	646	98 -	7	652	898	1543
UN29403	Rsa1.0.00041.1	810	186197	1.00E-144	293	301	97 -	513	809	132774	133073
UN29404	Rsa1.0.00501.1	527	79545	1.00E-143	477	537	88 -	2	523	41893	42413

UN29444	Rsa1.0_00715.1	610	67116	1.00E-122	267	279	95 -	3	279	46727	47000
UN29445	Rsa1.0_10663.1	346	5765	1.00E-124	232	234	99 +	1	234	4804	5037
UN29446	Rsa1.0_00366.1	580	90880	1.00E-168	356	370	96 -	177	541	37372	37741
UN29447	Rsa1.0_02693.1	558	28617	0	366	370	98 -	189	558	22359	22728
UN29448	Rsa1.0_00664.1	791	69573	1.00E-137	287	296	96 +	499	791	37111	37406
UN29449	Rsa1.0_05847.1	664	12433	0	653	663	98 +	2	664	618	1279
UN29450	Rsa1.0_00195.1	804	251884	1.00E-134	635	762	83 -	49	804	79659	80408
UN29451	Rsa1.0_00197.1	683	109714	1.00E-165	348	367	94 +	3	361	7668	8034
UN29452	Rsa1.0_00392.1	762	88523	0	561	561	100 +	124	684	63998	64558
UN29453	Rsa1.0_14898.1	976	2982	0	388	400	97 -	1	400	1340	1739
UN29454	Rsa1.0_00010.1	835	294827	0	358	362	98 -	11	371	224149	224509
UN29455	Rsa1.0_00300.1	990	97747	0	947	991	95 -	3	983	24253	25239
UN29456	Rsa1.0_00621.1	943	71840	0	337	338	99 +	1	338	15955	16292
UN29457	Rsa1.0_00049.1	710	167018	0	436	446	97 +	1	446	82030	82475
UN29458	Rsa1.0_00047.1	829	168582	0	566	569	99 -	255	823	140718	141286
UN29459	Rsa1.0_02756.1	791	28202	0	576	579	99 -	213	791	23924	24502
UN29460	Rsa1.0_08387.1	617	7436	0	605	619	97 +	1	617	4848	5465
UN29461	Rsa1.0_01458.1	683	175719	0	426	436	97 +	3	438	26191	26626
UN29462	Rsa1.0_04535.1	703	136600	5.00E-33	115	129	89 +	428	556	15294	15422
UN29463	Rsa1.0_00743.1	759	177459	0	697	758	91 -	7	758	1834	2573
UN29464	Rsa1.0_03870.1	791	20362	0	415	432	96 -	13	443	11010	11435
UN29465	Rsa1.0_00408.1	657	176752	0	609	639	95 +	2	625	100541	101173
UN29466	Rsa1.0_05890.1	676	12317	1.00E-114	233	241	96 -	88	328	2574	2814
UN29467	Rsa1.0_01474.1	846	45070	0	533	567	94 -	1	563	16827	17375
UN29468	Rsa1.0_00420.1	308	86496	1.00E-110	266	285	93 +	22	300	78709	78991
UN29469	Rsa1.0_00291.1	902	172129	0	325	325	100 +	484	808	42687	43011
UN29470	Rsa1.0_06150.1	676	11614	0	588	619	94 +	1	619	10846	11464
UN29471	Rsa1.0_07996.1	624	135291	1.00E-173	366	384	95 -	3	386	132672	133049
UN29472	Rsa1.0_00353.1	1327	92242	0	964	967	99 -	2	967	71817	72783
UN29473	Rsa1.0_02867.1	997	27121	0	593	667	88 -	361	997	22104	22768
UN29474	Rsa1.0_16361.1	861	2179	1.00E-159	288	289	99 -	573	861	943	1231
UN29475	Rsa1.0_00761.1	938	65133	0	883	947	93 -	3	938	53756	54681
UN29476	Rsa1.0_04486.1	649	17161	0	646	649	99 -	1	649	8413	9061
UN29477	Rsa1.0_02945.1	533	26548	0	361	361	100 +	3	363	16914	17274
UN29478	Rsa1.0_00200.1	1030	162016	0	385	392	98 +	2	393	70155	70546
UN29479	Rsa1.0_01805.1	726	39024	1.00E-131	240	241	99 +	396	636	21077	21317
UN29480	Rsa1.0_00101.1	695	267193	0	691	692	99 +	2	693	98645	99336
UN29481	Rsa1.0_00595.1	680	341648	0	653	686	95 +	1	680	193457	194137
UN29482	Rsa1.0_00978.1	721	57739	0	498	506	98 +	216	721	39104	39608

UN29483	Rsa1.0.01644.1	1114	41754	1.00E-145	339	369	91 -	759	1107	39769	40135
UN29484	Rsa1.0.00990.1	934	57445	1.00E-105	209	214	97 -	66	279	11042	11255
UN29485	Rsa1.0.01841.1	393	38430	1.00E-130	274	287	95 +	5	291	833	1119
UN29486	Rsa1.0.01981.1	1188	36537	0	436	467	93 +	718	1184	25068	25518
UN29487	Rsa1.0.00122.1	729	265937	2.00E-75	153	156	98 +	160	315	228630	228785
UN29488	Rsa1.0.05399.1	751	13879	1.00E-111	211	213	99 +	539	751	7602	7814
UN29489	Rsa1.0.07823.1	1217	8468	0	995	1064	93 +	173	1217	4559	5617
UN29490	Rsa1.0.01622.1	538	42071	1.00E-167	298	298	100 -	241	538	30162	30459
UN29491	Rsa1.0.02707.1	660	28520	1.00E-136	270	278	97 -	140	417	2862	3139
UN29492	Rsa1.0.02562.1	564	30061	1.00E-145	264	265	99 -	300	564	16582	16846
UN29493	Rsa1.0.00942.1	544	58873	1.00E-103	227	238	95 -	1	238	41205	41440
UN29494	Rsa1.0.00292.1	1290	98141	0	676	683	98 -	606	1288	390	1072
UN29495	Rsa1.0.00554.1	1116	150953	7.00E-15	67	75	89 -	879	953	46830	46904
UN29496	Rsa1.0.04254.1	1359	18258	0	1264	1281	98 +	1	1275	15140	16420
UN29497	Rsa1.0.00560.1	503	75685	1.00E-171	305	305	100 -	199	503	8355	8659
UN29498	Rsa1.0.14684.1	835	3159	0	827	832	99 +	4	835	2006	2837
UN29499	Rsa1.0.00017.1	679	752458	0	662	666	99 +	15	679	481430	482095
UN29500	Rsa1.0.08935.1	1123	6771	1.00E-119	260	273	95 -	850	1121	2053	2319
UN29501	Rsa1.0.00564.1	1095	75428	0	948	991	95 -	70	1050	71103	72088
UN29502	Rsa1.0.02784.1	1327	27881	0	782	803	97 -	526	1327	27079	27881
UN29503	Rsa1.0.03316.1	1022	23785	0	613	625	98 +	2	626	17106	17730
UN29504	Rsa1.0.00386.1	448	89134	0	442	446	99 -	1	446	78925	79370
UN29505	Rsa1.0.01239.1	669	50107	0	641	642	99 +	3	644	32926	33567
UN29506	Rsa1.0.00195.1	584	251884	0	578	581	99 +	2	582	41309	41887
UN29507	Rsa1.0.02750.1	374	28239	1.00E-137	250	251	99 -	2	252	5084	5334
UN29508	Rsa1.0.02586.1	1122	29856	0	329	330	99 +	791	1120	28446	28775
UN29509	Rsa1.0.06561.1	1001	10772	0	973	1005	96 -	3	1000	1594	2597
UN29510	Rsa1.0.02871.1	532	27085	0	395	407	97 +	2	406	1608	2014
UN29511	Rsa1.0.00996.1	1034	57222	0	332	333	99 +	700	1032	53540	53872
UN29512	#	#	#	#	#	#	#	#	#	#	#
UN29513	Rsa1.0.04565.1	1325	16837	0	476	486	97 +	840	1325	4248	4731
UN29514	Rsa1.0.07786.1	799	8569	5.00E-86	203	212	95 +	1	209	6397	6605
UN29515	Rsa1.0.00240.1	1179	104175	0	638	660	96 -	521	1179	26512	27171
UN29516	Rsa1.0.00398.1	764	88007	1.00E-147	265	265	100 -	2	266	60944	61208
UN29517	Rsa1.0.01048.1	1005	55684	0	366	367	99 -	637	1003	39092	39458
UN29518	Rsa1.0.05279.1	980	14277	1.00E-130	271	282	96 -	2	283	3897	4175
UN29519	Rsa1.0.01731.1	1159	40208	1.00E-130	247	249	99 +	513	760	29671	29919
UN29520	Rsa1.0.03023.1	793	25967	6.00E-27	162	195	83 +	121	315	18954	19148
UN29521	Rsa1.0.03326.1	778	23710	0	384	387	99 +	393	778	8578	8964

UN29522	Rsa1.0.01424.1	752	46139	1.00E-137	264	268	98 -	483	750	8974	9240
UN29523	Rsa1.0.00073.1	1063	240924	0	658	704	93 +	366	1060	53960	54663
UN29524	Rsa1.0.00394.1	769	148426	0	442	452	97 -	1	451	142837	143288
UN29525	Rsa1.0.00107.1	740	431659	0	451	454	99 -	288	740	326188	326641
UN29526	Rsa1.0.00255.1	491	204967	1.00E-159	353	374	94 -	119	491	166745	167104
UN29527	Rsa1.0.29685.1	630	775	1.00E-121	284	304	93 +	2	304	472	775
UN29528	Rsa1.0.00710.1	981	67325	0	387	399	96 +	451	849	34879	35277
UN29529	Rsa1.0.07885.1	874	8359	1.00E-178	522	591	88 -	141	731	6739	7323
UN29530	Rsa1.0.04353.1	721	138437	0	712	722	98 -	2	721	135303	136024
UN29531	Rsa1.0.00146.1	956	149343	0	949	957	99 +	1	956	99540	100496
UN29532	Rsa1.0.01078.1	809	316910	0	803	809	99 -	1	809	132830	133638
UN29533	Rsa1.0.00013.1	941	292129	0	831	855	97 +	91	937	105190	106043
UN29534	Rsa1.0.00394.1	550	148426	0	420	432	97 +	119	550	134470	134901
UN29535	Rsa1.0.04635.1	1007	16569	0	404	407	99 +	601	1007	7388	7794
UN29536	Rsa1.0.00001.1	645	363028	0	561	595	94 +	50	643	53869	54461
UN29537	Rsa1.0.00837.1	776	62568	1.00E-179	397	422	94 +	1	409	54438	54856
UN29538	Rsa1.0.13819.1	1090	4264	0	470	495	94 +	552	1045	1651	2143
UN29539	Rsa1.0.04203.1	815	18479	0	784	811	96 -	3	813	3524	4311
UN29540	Rsa1.0.00991.1	330	143101	1.00E-136	267	272	98 +	60	328	45335	45606
UN29541	Rsa1.0.01164.1	858	51934	0	456	482	94 +	12	493	14475	14954
UN29542	Rsa1.0.00028.1	724	293984	0	707	721	98 -	1	714	206605	207324
UN29543	Rsa1.0.01803.1	719	173846	0	715	717	99 +	2	718	170396	171112
UN29544	Rsa1.0.02948.1	575	26526	0	567	572	99 -	2	573	25254	25825
UN29545	Rsa1.0.01331.1	831	47944	0	456	463	98 +	1	463	13768	14230
UN29546	Rsa1.0.00381.1	680	89718	8.00E-66	140	144	97 -	17	160	17865	18008
UN29547	Rsa1.0.00999.1	929	57162	0	893	930	96 +	5	926	38603	39528
UN29548	Rsa1.0.00634.1	703	71222	0	528	559	94 +	140	697	37783	38334
UN29549	Rsa1.0.15552.1	553	2546	1.00E-125	230	231	99 +	323	553	1046	1276
UN29550	Rsa1.0.00491.1	769	80219	1.00E-110	215	219	98 -	3	221	18265	18483
UN29551	Rsa1.0.00094.1	707	139042	0	672	716	93 -	3	707	93955	94660
UN29552	Rsa1.0.00252.1	650	102760	1.00E-89	183	188	97 -	226	413	65962	66149
UN29553	Rsa1.0.00017.1	183	752458	1.00E-58	145	154	94 -	26	179	606859	607010
UN29554	Rsa1.0.00151.1	733	119541	0	655	693	94 +	42	733	8077	8766
UN29555	Rsa1.0.00218.1	789	201480	0	387	391	98 +	398	788	13863	14252
UN29556	Rsa1.0.04344.1	1304	17822	6.00E-34	132	151	87 +	981	1131	8614	8764
UN29557	Rsa1.0.09923.1	588	6089	1.00E-115	241	251	96 -	2	252	5419	5665
UN29558	Rsa1.0.01491.1	331	44718	0	330	330	100 +	2	331	21024	21353
UN29559	Rsa1.0.30323.1	699	757	1.00E-107	258	269	95 -	1	266	1	264
UN29560	Rsa1.0.43057.1	839	522	8.00E-91	236	258	91 +	2	259	119	376

UN29561	Rsa1.0.00193.1	1149	194198	0	470	474	99 -	1	474	94582	95055
UN29562	Rsa1.0.00016.1	1173	831256	0	385	392	98 +	778	1169	517640	518027
UN29563	Rsa1.0.01861.1	1069	38031	0	394	404	97 -	665	1068	29537	29937
UN29564	Rsa1.0.02905.1	1195	26873	0	849	910	93 +	142	1026	23965	24874
UN29565	Rsa1.0.01182.1	1041	167304	0	982	1034	94 -	16	1038	164053	165075
UN29566	Rsa1.0.01860.1	1042	38057	0	611	618	98 -	426	1042	17580	18197
UN29567	Rsa1.0.08564.1	882	7193	0	338	339	99 +	544	882	3323	3661
UN29568	Rsa1.0.00621.1	1333	71840	8.00E-83	172	177	97 +	419	595	39515	39691
UN29569	Rsa1.0.00314.1	642	96472	1.00E-164	350	367	95 -	1	358	32755	33121
UN29570	Rsa1.0.04935.1	836	15403	1.00E-120	241	246	97 -	1	242	6666	6911
UN29571	Rsa1.0.15288.1	1081	2708	0	505	508	99 +	574	1081	1980	2487
UN29572	Rsa1.0.03876.1	741	20334	1.00E-134	270	279	96 -	84	362	19574	19852
UN29573	Rsa1.0.03178.1	940	24798	0	713	734	97 -	22	755	8432	9162
UN29574	Rsa1.0.28658.1	521	807	0	514	518	99 +	2	519	267	784
UN29575	Rsa1.0.05950.1	832	12130	1.00E-100	250	270	92 +	58	321	1035	1304
UN29576	Rsa1.0.00032.1	678	306326	0	637	679	93 -	1	678	159331	160009
UN29577	Rsa1.0.00294.1	957	144860	1.00E-167	312	315	99 -	1	315	16912	17225
UN29578	Rsa1.0.52034.1	727	437	0	433	433	100 -	1	433	1	433
UN29579	Rsa1.0.00781.1	703	64480	0	699	702	99 +	3	703	14785	15486
UN29580	Rsa1.0.03912.1	726	135266	0	503	532	94 -	207	726	5406	5934
UN29581	Rsa1.0.01158.1	956	52121	0	365	366	99 -	1	366	50110	50475
UN29582	Rsa1.0.03642.1	1379	21609	6.00E-59	489	605	80 -	705	1292	8811	9401
UN29583	Rsa1.0.00005.1	613	353093	1.00E-118	299	327	91 +	287	613	121587	121913
UN29584	Rsa1.0.00547.1	612	76521	1.00E-127	323	354	91 -	272	608	17007	17357
UN29585	Rsa1.0.03941.1	1142	19960	0	446	481	92 +	147	627	12315	12791
UN29586	Rsa1.0.01031.1	918	56236	5.00E-83	224	245	91 +	671	914	13161	13390
UN29587	Rsa1.0.02200.1	1000	33981	0	437	441	99 +	558	998	2787	3225
UN29588	Rsa1.0.00707.1	1044	190112	0	1040	1043	99 +	1	1043	139866	140908
UN29589	Rsa1.0.00218.1	779	201480	0	757	780	97 +	1	779	181012	181791
UN29590	Rsa1.0.00197.1	727	109714	1.00E-178	317	317	100 -	1	317	10486	10802
UN29591	Rsa1.0.00688.1	1153	68396	3.00E-66	265	307	86 -	224	528	2621	2919
UN29592	Rsa1.0.01021.1	702	56610	0	697	702	99 +	1	702	38711	39412
UN29593	Rsa1.0.03787.1	526	20876	0	524	525	99 +	2	526	6282	6806
UN29594	Rsa1.0.00074.1	928	147591	0	768	771	99 +	158	928	134257	135027
UN29595	Rsa1.0.01460.1	445	45255	1.00E-141	273	279	97 -	1	275	21440	21718
UN29596	Rsa1.0.00485.1	397	80937	1.00E-157	284	285	99 +	1	285	57188	57472
UN29597	Rsa1.0.05405.1	1136	13869	1.00E-126	239	241	99 -	896	1136	11614	11853
UN29598	Rsa1.0.06764.1	716	10398	0	655	664	98 -	1	664	5367	6030
UN29599	Rsa1.0.00050.1	1230	237174	0	1138	1178	96 -	56	1230	196091	197268

UN29600	Rsa1.0_02906.1	1054	26866	1.00E-107	209	212	98 +	225	434	21763	21974
UN29601	Rsa1.0_00264.1	342	101674	0	339	340	99 +	1	340	100656	100995
UN29602	Rsa1.0_01182.1	996	167304	0	991	995	99 -	1	995	164010	165004
UN29603	Rsa1.0_00063.1	1278	156150	0	728	735	99 -	1	735	144679	145412
UN29604	Rsa1.0_00476.1	1119	280966	1.00E-130	288	300	96 -	824	1119	242930	243228
UN29605	Rsa1.0_02403.1	1043	31706	0	669	672	99 -	2	673	29764	30434
UN29606	Rsa1.0_00018.1	701	410899	1.00E-166	348	363	95 +	3	365	122515	122874
UN29607	Rsa1.0_00170.1	627	179538	0	605	626	96 +	2	627	89093	89715
UN29608	Rsa1.0_02011.1	773	36088	0	419	420	99 +	1	420	33232	33651
UN29609	Rsa1.0_00058.1	712	159921	3.00E-84	208	222	93 +	1	222	64419	64637
UN29610	Rsa1.0_00534.1	867	77361	0	469	470	99 +	397	866	40851	41320
UN29611	Rsa1.0_00627.1	876	71566	1.00E-142	363	397	91 -	485	876	25910	26301
UN29612	Rsa1.0_00551.1	927	76227	0	796	822	96 -	112	922	21638	22458
UN29613	Rsa1.0_01519.1	596	44144	0	594	595	99 +	2	596	14905	15499
UN29614	Rsa1.0_03282.1	438	24107	3.00E-92	248	268	92 +	179	437	7170	7437
UN29615	Rsa1.0_02273.1	578	140964	2.00E-26	130	151	86 -	11	160	23318	23464
UN29616	Rsa1.0_03390.1	1179	23270	0	826	839	98 -	3	833	20670	21508
UN29617	Rsa1.0_16561.1	1526	2111	1.00E-158	345	363	95 -	1151	1510	465	823
UN29618	Rsa1.0_02360.1	541	32203	1.00E-176	316	317	99 +	223	539	22909	23225
UN29619	Rsa1.0_09781.1	659	6153	0	529	533	99 +	2	534	310	842
UN29620	Rsa1.0_00113.1	685	131574	0	338	338	100 +	3	340	91515	91852
UN29621	Rsa1.0_14293.1	1231	3569	0	926	975	94 +	270	1231	1	950
UN29622	Rsa1.0_04617.1	588	16625	0	511	512	99 +	2	513	16023	16534
UN29623	Rsa1.0_02130.1	1009	34755	0	600	607	98 +	404	1009	21296	21902
UN29624	Rsa1.0_00135.1	1053	178077	0	400	401	99 +	651	1051	65603	66003
UN29625	Rsa1.0_05975.1	531	12062	0	324	325	99 -	207	531	3805	4129
UN29626	Rsa1.0_02196.1	695	34005	3.00E-28	133	153	86 -	7	158	5458	5609
UN29627	Rsa1.0_00713.1	810	158017	0	345	346	99 +	3	348	5913	6258
UN29628	Rsa1.0_01496.1	583	44595	1.00E-119	241	249	96 +	1	249	41596	41844
UN29629	Rsa1.0_00073.1	932	240924	0	454	484	93 +	449	931	94015	94477
UN29630	Rsa1.0_11943.1	683	5365	1.00E-124	309	331	93 +	358	683	570	897
UN29631	Rsa1.0_00159.1	589	431686	0	585	588	99 -	2	589	253446	254033
UN29632	Rsa1.0_01474.1	822	45070	0	707	709	99 -	1	709	16827	17535
UN29633	Rsa1.0_01701.1	783	162121	0	739	785	94 +	1	783	38150	38906
UN29634	Rsa1.0_00208.1	836	108565	1.00E-114	232	237	97 -	390	625	51171	51406
UN29635	Rsa1.0_00672.1	561	69358	1.00E-171	311	313	99 -	249	561	96	408
UN29636	Rsa1.0_00977.1	644	198001	0	595	621	95 +	27	644	188615	189230
UN29637	Rsa1.0_01682.1	616	41090	1.00E-144	404	449	89 +	1	426	29219	29660
UN29638	Rsa1.0_01022.1	1061	56606	0	675	710	95 +	2	711	22436	23145

UN29639	Rsa1.0.00175.1	763	166121	1.00E-180	359	370	97 +	7	376	109590	109956
UN29640	Rsa1.0.00407.1	964	191544	0	589	598	98 -	1	598	46770	47367
UN29641	Rsa1.0.00356.1	1039	91521	1.00E-84	199	212	93 +	173	384	65493	65704
UN29642	Rsa1.0.03355.1	693	23489	1.00E-160	305	311	98 +	138	448	1082	1392
UN29643	Rsa1.0.00325.1	1256	95371	0	809	849	95 -	421	1256	87642	88488
UN29644	Rsa1.0.00630.1	1063	71281	1.00E-150	366	397	92 -	674	1063	68938	69324
UN29645	Rsa1.0.01183.1	528	51465	0	388	393	98 +	135	525	20910	21302
UN29646	Rsa1.0.00030.1	740	250988	1.00E-144	374	410	91 -	331	740	203426	203826
UN29647	Rsa1.0.00259.1	919	163204	0	404	420	96 +	501	919	148202	148621
UN29648	Rsa1.0.02070.1	502	158516	1.00E-48	105	107	98 +	396	502	136984	137090
UN29649	Rsa1.0.02202.1	920	33961	0	324	324	100 +	276	599	19550	19873
UN29650	Rsa1.0.03851.1	638	20451	0	613	643	95 -	3	631	7938	8572
UN29651	Rsa1.0.02586.1	1010	29856	0	745	769	96 -	108	867	2095	2863
UN29652	Rsa1.0.06272.1	1144	11351	1.00E-116	231	236	97 +	909	1142	3083	3318
UN29653	Rsa1.0.23526.1	730	1042	0	724	730	99 -	2	728	256	985
UN29654	Rsa1.0.00293.1	855	339294	0	840	853	98 +	3	855	200004	200856
UN29655	Rsa1.0.01317.1	659	48287	1.00E-165	309	313	98 +	340	652	41470	41780
UN29656	Rsa1.0.00778.1	901	196751	0	508	535	94 -	367	901	185490	186010
UN29657	Rsa1.0.01208.1	884	50718	0	430	440	97 -	317	754	5762	6201
UN29658	Rsa1.0.00180.1	628	114581	0	579	608	95 -	1	593	11082	11685
UN29659	Rsa1.0.29206.1	753	789	1.00E-147	286	292	97 +	461	752	205	494
UN29660	Rsa1.0.04398.1	875	17550	0	362	363	99 +	448	810	4320	4682
UN29661	Rsa1.0.00846.1	760	62342	1.00E-158	286	287	99 -	132	418	16009	16295
UN29662	Rsa1.0.04691.1	722	16362	0	492	530	92 +	211	722	9409	9928
UN29663	Rsa1.0.03057.1	222	25724	9.00E-60	159	168	94 +	1	167	11252	11415
UN29664	Rsa1.0.00720.1	1374	66931	0	408	423	96 +	2	424	20879	21301
UN29665	Rsa1.0.00096.1	709	198773	1.00E-170	309	311	99 +	399	709	176663	176973
UN29666	Rsa1.0.07540.1	796	9170	0	452	466	96 -	331	796	4407	4872
UN29667	Rsa1.0.00592.1	1081	73788	1.00E-105	234	246	95 +	837	1081	72	317
UN29668	Rsa1.0.00040.1	521	324196	0	487	514	94 -	3	511	63762	64267
UN29669	Rsa1.0.03506.1	788	22416	0	432	456	94 +	345	788	10789	11244
UN29670	Rsa1.0.17439.1	547	1829	0	543	545	99 -	1	545	84	628
UN29671	Rsa1.0.12004.1	1187	5344	0	831	933	89 -	2	930	146	1072
UN29672	Rsa1.0.07494.1	1006	9258	0	978	1001	97 +	7	1006	6101	7100
UN29673	Rsa1.0.01492.1	998	44704	1.00E-145	265	266	99 +	724	989	2784	3049
UN29674	Rsa1.0.15068.1	591	2854	0	573	597	95 -	2	590	974	1570
UN29675	Rsa1.0.02105.1	827	156953	0	807	824	97 -	3	824	18742	19564
UN29676	Rsa1.0.00177.1	613	143394	0	598	608	98 +	3	608	93809	94415
UN29677	Rsa1.0.06312.1	990	11253	0	529	543	97 -	448	990	6881	7415

UN29678	Rsa1.0_10606.1	1233	5787	1.00E-141	278	285	97 -	2	284	3538	3822
UN29679	Rsa1.0_00674.1	574	193753	1.00E-144	330	351	94 -	214	563	129012	129356
UN29680	Rsa1.0_00045.1	436	328694	1.00E-168	300	300	100 +	137	436	286644	286943
UN29681	Rsa1.0_46419.1	981	486	7.00E-24	88	98	89 -	220	317	160	257
UN29682	Rsa1.0_07309.1	816	9572	0	774	805	96 -	2	806	4781	5580
UN29683	#	#	#	#	#	#	#	#	#	#	#
UN29684	Rsa1.0_00078.1	1284	175053	0	1205	1315	91 +	2	1280	28053	29359
UN29685	Rsa1.0_10953.1	935	5666	0	465	485	95 +	2	483	3646	4122
UN29686	Rsa1.0_01470.1	592	45108	1.00E-115	213	214	99 +	142	355	32729	32942
UN29687	Rsa1.0_00177.1	798	143394	0	738	797	92 -	3	798	103366	104137
UN29688	Rsa1.0_00005.1	696	353093	4.00E-92	187	192	97 +	2	193	274700	274891
UN29689	Rsa1.0_04535.1	1259	136600	0	709	720	98 +	538	1257	126575	127294
UN29690	Rsa1.0_01661.1	737	41400	1.00E-136	249	250	99 +	488	737	40406	40655
UN29691	Rsa1.0_00015.1	641	561803	5.00E-36	121	134	90 +	71	203	390332	390465
UN29692	Rsa1.0_00134.1	849	390219	1.00E-160	329	342	96 +	511	849	13216	13554
UN29693	Rsa1.0_00081.1	637	143261	1.00E-156	307	314	97 +	281	592	48160	48472
UN29694	Rsa1.0_01387.1	1286	46745	1.00E-117	420	485	86 -	1	481	8907	9391
UN29695	Rsa1.0_00398.1	463	88007	0	457	462	98 +	2	463	82246	82707
UN29696	Rsa1.0_00006.1	581	396176	0	364	372	97 -	211	581	279312	279682
UN29697	Rsa1.0_00028.1	867	293984	0	558	578	96 +	6	583	220592	221162
UN29698	Rsa1.0_47413.1	497	477	1.00E-115	225	230	97 +	1	230	160	389
UN29699	Rsa1.0_00149.1	1387	305196	0	837	886	94 +	513	1385	103637	104515
UN29700	Rsa1.0_03066.1	1039	25653	1.00E-170	413	444	93 -	1	436	6790	7233
UN29701	Rsa1.0_04067.1	726	19256	1.00E-169	301	301	100 -	426	726	7064	7364
UN29702	Rsa1.0_00818.1	737	62939	0	687	738	93 +	1	737	7563	8285
UN29703	Rsa1.0_00210.1	690	108424	0	677	688	98 -	5	690	55703	56390
UN29704	Rsa1.0_03502.1	754	22446	1.00E-152	283	285	99 +	470	754	9334	9617
UN29705	Rsa1.0_00435.1	876	317579	0	626	633	98 +	245	873	72296	72926
UN29706	Rsa1.0_00807.1	859	63607	1.00E-149	268	268	100 +	592	859	53754	54021
UN29707	Rsa1.0_00341.1	757	249309	2.00E-54	119	121	98 +	12	132	248195	248314
UN29708	Rsa1.0_00653.1	658	70029	0	651	657	99 +	2	658	17230	17886
UN29709	Rsa1.0_02969.1	1435	26390	1.00E-157	306	313	97 +	1125	1435	13425	13737
UN29710	Rsa1.0_04847.1	1044	15731	4.00E-59	123	125	98 -	780	904	277	401
UN29711	Rsa1.0_03132.1	745	25142	0	702	726	96 -	20	745	16361	17085
UN29712	Rsa1.0_00069.1	964	403561	0	636	660	96 -	3	653	142701	143358
UN29713	Rsa1.0_05951.1	805	12128	0	517	529	97 +	3	531	9968	10493
UN29714	Rsa1.0_00006.1	1164	396176	0	735	785	93 -	260	1041	186848	187611
UN29715	Rsa1.0_02185.1	621	34150	0	582	609	95 +	1	609	2805	3409
UN29716	Rsa1.0_01314.1	738	48365	0	632	646	97 -	95	738	44307	44946

UN29717	Rsa1.0_13946.1	1374	4033	1.00E-158	299	304	98 -	7	310	859	1162
UN29718	Rsa1.0_01484.1	876	44806	0	418	431	96 -	446	876	22447	22877
UN29719	Rsa1.0_01149.1	634	160459	1.00E-52	171	188	90 -	430	617	149775	149956
UN29720	Rsa1.0_14062.1	404	3854	1.00E-149	274	276	99 -	129	404	2313	2588
UN29721	Rsa1.0_00092.1	978	659932	1.00E-179	343	350	98 -	3	351	633967	634316
UN29722	Rsa1.0_00481.1	865	81316	0	597	611	97 -	257	865	44233	44839
UN29723	Rsa1.0_08907.1	822	6803	0	471	489	96 -	68	556	3712	4200
UN29724	Rsa1.0_00053.1	880	263459	1.00E-135	265	272	97 +	243	514	63729	64000
UN29725	Rsa1.0_00655.1	804	195840	0	504	513	98 +	31	542	192449	192961
UN29726	Rsa1.0_00267.1	698	101509	1.00E-177	393	419	93 +	293	696	11960	12378
UN29727	Rsa1.0_00708.1	365	67366	1.00E-160	338	352	96 -	12	362	25828	26176
UN29728	Rsa1.0_05569.1	1050	13311	0	357	358	99 -	3	360	11540	11897
UN29729	Rsa1.0_01144.1	1095	52431	3.00E-17	65	71	91 +	693	763	40196	40266
UN29730	Rsa1.0_01501.1	677	44532	0	648	675	96 +	3	677	23339	24013
UN29731	Rsa1.0_00093.1	696	214962	1.00E-116	315	347	90 +	365	696	13257	13600
UN29732	Rsa1.0_00080.1	833	190437	0	661	666	99 +	168	833	112565	113230
UN29733	#	#	#	#	#	#	#	#	#	#	#
UN29734	Rsa1.0_01070.1	281	55099	7.00E-24	66	69	95 +	13	81	37775	37843
UN29735	Rsa1.0_04256.1	1229	18257	0	567	621	91 -	351	957	13944	14542
UN29736	Rsa1.0_02553.1	788	30190	1.00E-40	209	247	84 -	22	268	23590	23830
UN29737	Rsa1.0_00048.1	196	167185	2.00E-91	182	186	97 +	11	196	74904	75089
UN29738	Rsa1.0_00096.1	759	198773	0	739	771	95 -	1	759	168466	169234
UN29739	Rsa1.0_02276.1	780	33098	0	682	695	98 -	82	775	23749	24440
UN29740	Rsa1.0_00589.1	692	209965	0	394	411	95 +	2	411	53528	53938
UN29741	Rsa1.0_00031.1	729	179862	0	699	747	93 -	2	729	105898	106631
UN29742	Rsa1.0_03411.1	1247	23143	0	673	708	95 -	433	1140	8889	9582
UN29743	#	#	#	#	#	#	#	#	#	#	#
UN29744	Rsa1.0_01214.1	803	50599	0	497	523	95 +	287	802	1680	2200
UN29745	Rsa1.0_04195.1	552	18528	1.00E-126	250	257	97 -	203	459	5698	5954
UN29746	Rsa1.0_00597.1	591	73445	0	585	608	96 -	1	591	44613	45220
UN29747	Rsa1.0_01609.1	974	42280	0	941	970	97 +	2	971	32103	33072
UN29748	Rsa1.0_01232.1	847	155185	0	842	845	99 +	3	847	114213	115057
UN29749	Rsa1.0_03491.1	599	22541	0	385	396	97 +	204	599	1751	2146
UN29750	Rsa1.0_02679.1	326	28730	2.00E-36	187	220	85 +	112	326	12440	12659
UN29751	Rsa1.0_00045.1	1030	328694	0	998	1049	95 -	5	1030	253505	254549
UN29752	Rsa1.0_01343.1	736	47735	0	550	592	92 +	12	599	4128	4698
UN29753	Rsa1.0_00477.1	998	81556	1.00E-113	207	207	100 -	191	397	58568	58774
UN29754	Rsa1.0_00087.1	497	761073	0	454	493	92 +	3	484	41217	41697
UN29755	Rsa1.0_54617.1	768	418	0	413	418	98 +	52	469	1	418

UN29756	Rsa1.0.00644.1	404	136881	4.00E-17	88	100	88 -	115	211	64064	64162
UN29757	Rsa1.0.00191.1	833	316976	0	822	832	98 -	3	833	297898	298726
UN29758	Rsa1.0.00324.1	550	218805	1.00E-157	334	349	95 +	203	550	143427	143774
UN29759	Rsa1.0.14192.1	578	3681	2.00E-53	164	183	89 -	2	184	2598	2780
UN29760	Rsa1.0.02703.1	656	28544	1.00E-92	234	255	91 +	203	454	9476	9721
UN29761	Rsa1.0.00104.1	681	368722	0	529	545	97 +	136	680	29781	30323
UN29762	Rsa1.0.01318.1	929	48275	0	386	388	99 +	1	388	11684	12071
UN29763	Rsa1.0.00001.1	901	363028	0	875	911	96 +	1	901	39152	40055
UN29764	Rsa1.0.00268.1	607	101470	1.00E-123	252	260	96 -	279	538	51642	51900
UN29765	Rsa1.0.00065.1	799	454616	1.00E-80	153	153	100 -	50	202	158659	158811
UN29766	Rsa1.0.07559.1	690	9131	0	389	397	97 -	3	399	3084	3474
UN29767	Rsa1.0.02228.1	1153	33688	0	449	475	94 -	676	1145	18504	18978
UN29768	Rsa1.0.07607.1	758	9034	1.00E-173	341	352	96 -	280	631	5344	5695
UN29769	Rsa1.0.00639.1	1014	165873	0	461	479	96 +	3	478	106126	106600
UN29770	Rsa1.0.02295.1	1012	149884	0	656	689	95 -	333	1011	125047	125734
UN29771	Rsa1.0.04325.1	739	17885	0	599	637	94 -	105	739	12630	13266
UN29772	Rsa1.0.00939.1	1020	185227	0	496	505	98 +	516	1020	177702	178206
UN29773	Rsa1.0.05611.1	953	13193	0	529	548	96 +	197	740	219	766
UN29774	Rsa1.0.15288.1	1029	2708	0	486	509	95 +	516	1024	1989	2497
UN29775	Rsa1.0.03322.1	655	23751	1.00E-150	282	286	98 -	151	436	23032	23317
UN29776	Rsa1.0.00219.1	727	106983	0	393	399	98 -	3	401	31635	32032
UN29777	Rsa1.0.00408.1	697	176752	0	688	696	98 -	3	696	167891	168585
UN29778	Rsa1.0.07819.1	1104	8476	0	608	633	96 -	416	1048	7467	8099
UN29779	Rsa1.0.08091.1	1208	7922	0	406	408	99 -	1	408	3588	3995
UN29780	Rsa1.0.00173.1	1067	288743	6.00E-43	123	134	91 -	254	387	267962	268095
UN29781	Rsa1.0.01705.1	902	40710	2.00E-94	294	333	88 +	15	347	22593	22916
UN29782	Rsa1.0.02186.1	955	34150	0	635	688	92 +	3	684	26354	27013
UN29783	Rsa1.0.20237.1	1142	1325	0	475	483	98 +	2	484	843	1325
UN29784	Rsa1.0.01193.1	741	51147	0	372	376	98 +	366	741	26420	26795
UN29785	Rsa1.0.00041.1	588	186197	1.00E-76	163	168	97 -	399	563	168292	168459
UN29786	Rsa1.0.03125.1	693	147978	0	345	348	99 +	346	693	130250	130597
UN29787	Rsa1.0.00273.1	477	326186	1.00E-164	313	320	97 +	2	321	130655	130974
UN29788	Rsa1.0.01976.1	790	36570	0	342	346	98 -	5	350	3898	4243
UN29789	Rsa1.0.01591.1	1404	42718	0	839	875	95 +	542	1403	18098	18972
UN29790	Rsa1.0.01097.1	1796	173349	0	1066	1100	96 -	699	1795	28880	29976
UN29791	Rsa1.0.04383.1	1005	17631	1.00E-117	226	230	98 -	466	695	11091	11320
UN29792	Rsa1.0.01684.1	611	41044	0	504	521	96 -	96	610	5049	5569
UN29793	Rsa1.0.03774.1	1238	20932	0	485	505	96 +	4	507	6317	6821
UN29794	Rsa1.0.00510.1	746	78718	1.00E-74	143	143	100 -	517	659	60175	60317

UN29795	Rsa1.0.02466.1	1009	31142	1.00E-173	322	325	99 +	684	1007	27807	28131
UN29796	Rsa1.0.01823.1	744	38765	1.00E-61	169	185	91 +	553	737	35793	35977
UN29797	Rsa1.0.00017.1	1381	752458	2.00E-34	134	152	88 +	937	1087	647845	647996
UN29798	Rsa1.0.00467.1	826	156542	0	767	811	94 +	24	822	85260	86064
UN29799	Rsa1.0.00040.1	762	324196	0	459	472	97 -	5	476	323206	323674
UN29800	Rsa1.0.02117.1	1158	34843	0	1145	1159	98 +	3	1158	1419	2576
UN29801	Rsa1.0.04025.1	596	19511	0	498	515	96 -	41	555	8419	8932
UN29802	Rsa1.0.00582.1	1373	74333	0	625	628	99 +	4	631	20679	21306
UN29803	Rsa1.0.00123.1	885	325650	0	510	524	97 -	362	885	23098	23621
UN29804	Rsa1.0.00888.1	860	60978	0	668	680	98 +	1	680	49310	49989
UN29805	Rsa1.0.01196.1	830	51097	0	828	832	99 -	1	830	5981	6812
UN29806	Rsa1.0.01768.1	814	138463	0	468	468	100 +	347	814	125672	126139
UN29807	Rsa1.0.00961.1	814	58185	0	417	420	99 -	2	421	20645	21064
UN29808	Rsa1.0.00003.1	1055	340054	0	1023	1061	96 +	8	1055	661	1708
UN29809	Rsa1.0.01091.1	1593	54383	0	342	342	100 -	9	350	28855	29196
UN29810	Rsa1.0.00045.1	1159	328694	1.00E-169	330	339	97 -	821	1159	61371	61705
UN29811	Rsa1.0.02032.1	1004	35830	0	860	860	100 -	1	860	6276	7135
UN29812	Rsa1.0.06048.1	838	11854	1.00E-100	185	185	100 -	172	356	6457	6641
UN29813	Rsa1.0.00341.1	637	249309	0	633	641	98 +	1	637	134426	135066
UN29814	Rsa1.0.00305.1	567	97308	0	564	564	100 -	4	567	53534	54097
UN29815	Rsa1.0.00251.1	869	303968	1.00E-169	302	302	100 -	3	304	66488	66789
UN29816	Rsa1.0.00630.1	832	71281	0	487	487	100 -	346	832	42130	42616
UN29817	Rsa1.0.00153.1	847	192931	0	418	422	99 -	426	847	120468	120889
UN29818	Rsa1.0.07910.1	846	8314	0	540	540	100 +	250	789	975	1514
UN29819	Rsa1.0.00397.1	1146	88189	1.00E-164	297	298	99 +	577	874	52748	53045
UN29820	Rsa1.0.02975.1	568	26322	1.00E-165	295	295	100 -	37	331	25714	26008
UN29821	Rsa1.0.05696.1	677	12896	1.00E-164	293	293	100 -	383	675	11870	12162
UN29822	Rsa1.0.03768.1	1089	20961	0	801	898	89 -	1	896	7634	8531
UN29823	Rsa1.0.00902.1	1028	60241	0	581	584	99 +	3	586	35086	35667
UN29824	Rsa1.0.00512.1	1070	200277	0	390	394	98 +	1	392	20224	20616
UN29825	Rsa1.0.11113.1	892	5612	0	423	425	99 +	3	427	5022	5446
UN29826	Rsa1.0.01060.1	1387	55368	0	820	835	98 +	2	836	17226	18056
UN29827	Rsa1.0.01466.1	754	45161	1.00E-143	267	269	99 +	482	748	23254	23522
UN29828	Rsa1.0.02361.1	974	32190	0	605	629	96 +	346	974	30524	31152
UN29829	Rsa1.0.01666.1	774	173972	0	543	601	90 -	194	769	13200	13782
UN29830	Rsa1.0.00017.1	1132	752458	1.00E-141	350	380	92 +	470	848	51737	52112
UN29831	Rsa1.0.00009.1	799	232558	0	630	651	96 +	5	655	121453	122097
UN29832	Rsa1.0.00353.1	1369	92242	0	1016	1090	93 +	282	1368	71817	72888
UN29833	Rsa1.0.00485.1	546	80937	0	503	524	95 -	1	524	32474	32997

UN29873	Rsa1.0_49831.1	733	455	0	451	455	99 -	33	487	1	455
UN29874	Rsa1.0_01581.1	435	42833	0	431	433	99 -	3	435	27842	28274
UN29875	Rsa1.0_06892.1	912	10197	0	399	408	97 -	1	408	9775	10181
UN29876	#	#	#	#	#	#	#	#	#	#	#
UN29877	Rsa1.0_10192.1	526	5950	1.00E-30	146	171	85 -	85	255	1258	1425
UN29878	Rsa1.0_00288.1	642	98659	1.00E-180	377	396	95 +	3	398	13393	13788
UN29879	Rsa1.0_00526.1	743	169279	0	644	698	92 -	16	692	165051	165745
UN29880	Rsa1.0_00205.1	380	193401	2.00E-74	206	224	91 -	142	357	13793	14014
UN29881	Rsa1.0_03511.1	830	22373	0	470	495	94 +	334	828	17057	17551
UN29882	Rsa1.0_07508.1	681	9231	1.00E-175	346	356	97 -	13	367	4270	4625
UN29883	Rsa1.0_01687.1	508	40979	1.00E-118	221	223	99 +	1	223	8807	9029
UN29884	Rsa1.0_02105.1	475	156953	1.00E-107	269	289	93 -	169	452	3269	3554
UN29885	Rsa1.0_00016.1	823	831256	9.00E-23	194	232	83 +	148	372	683753	683980
UN29886	Rsa1.0_04911.1	1288	15483	0	539	565	95 +	733	1286	6226	6790
UN29887	Rsa1.0_00222.1	1426	172263	0	1263	1318	95 -	61	1377	85303	86609
UN29888	Rsa1.0_66570.1	369	344	1.00E-41	123	135	91 +	235	369	10	144
UN29889	Rsa1.0_03362.1	936	23453	0	906	935	96 +	2	936	18234	19166
UN29890	Rsa1.0_05967.1	358	12079	1.00E-165	345	359	96 +	3	358	11560	11915
UN29891	Rsa1.0_02026.1	920	35896	0	479	487	98 +	438	920	29849	30335
UN29892	Rsa1.0_00155.1	528	118465	6.00E-72	286	332	86 -	218	527	105963	106286
UN29893	Rsa1.0_01960.1	909	36766	1.00E-116	234	241	97 +	90	330	7984	8224
UN29894	Rsa1.0_00019.1	746	301669	4.00E-12	148	182	81 +	123	302	188882	189063
UN29895	Rsa1.0_00493.1	297	80007	1.00E-143	290	299	96 -	3	297	38082	38380
UN29896	Rsa1.0_01717.1	1039	143162	0	443	444	99 +	596	1039	138940	139383
UN29897	Rsa1.0_00017.1	844	752458	1.00E-142	288	298	96 -	3	293	264368	264664
UN29898	Rsa1.0_02931.1	664	26654	0	341	344	99 -	321	664	24827	25170
UN29899	Rsa1.0_03260.1	810	24284	0	796	810	98 -	3	808	2531	3336
UN29900	Rsa1.0_01104.1	1180	285480	5.00E-28	104	117	88 -	176	292	280774	280890
UN29901	Rsa1.0_00039.1	968	296927	0	822	917	89 -	2	918	219251	220164
UN29902	Rsa1.0_01217.1	786	50554	0	477	491	97 -	293	782	22516	23006
UN29903	Rsa1.0_03521.1	805	396204	1.00E-178	376	389	96 -	374	757	15236	15624
UN29904	Rsa1.0_00161.1	729	116891	0	660	688	95 +	46	729	24230	24916
UN29905	Rsa1.0_00006.1	902	396176	1.00E-179	406	438	92 -	487	901	261412	261849
UN29906	Rsa1.0_02514.1	1007	30642	2.00E-51	254	307	82 -	242	527	16669	16972
UN29907	Rsa1.0_05719.1	943	12836	1.00E-178	335	341	98 +	603	943	9506	9846
UN29908	Rsa1.0_00037.1	832	307838	1.00E-129	326	356	91 -	21	373	237974	238319
UN29909	Rsa1.0_04712.1	451	135669	1.00E-103	193	194	99 +	258	451	16051	16244
UN29910	Rsa1.0_00009.1	752	232558	0	438	443	98 +	5	444	6421	6863
UN29911	Rsa1.0_00203.1	748	109129	0	600	635	94 +	113	746	78988	79621

UN29912	Rsa1.0.02167.1	817	34401	0	758	760	99 -	3	762	1086	1845
UN29913	Rsa1.0.03624.1	1156	21706	8.00E-58	190	215	88 -	75	289	20565	20779
UN29914	Rsa1.0.08109.1	906	7892	0	482	492	97 +	416	905	191	682
UN29915	Rsa1.0.00131.1	750	432233	2.00E-76	169	174	97 -	555	726	247570	247743
UN29916	Rsa1.0.00111.1	691	390088	0	600	678	88 -	20	691	352603	353255
UN29917	Rsa1.0.00030.1	1172	250988	0	602	662	90 +	376	1008	30250	30905
UN29918	Rsa1.0.00341.1	930	249309	0	362	368	98 -	270	635	204187	204554
UN29919	Rsa1.0.00237.1	1311	235974	0	1289	1311	98 -	3	1308	20637	21947
UN29920	Rsa1.0.04388.1	955	17614	1.00E-138	252	253	99 +	292	544	11399	11651
UN29921	Rsa1.0.00600.1	858	73395	1.00E-178	317	317	100 -	3	319	30432	30748
UN29922	Rsa1.0.11424.1	480	5513	0	466	480	97 -	2	479	2919	3398
UN29923	Rsa1.0.42833.1	915	524	1.00E-118	232	236	98 +	680	914	180	415
UN29924	Rsa1.0.00013.1	1186	292129	0	573	575	99 -	2	576	227464	228038
UN29925	Rsa1.0.00157.1	985	245832	0	664	683	97 -	141	820	25708	26389
UN29926	Rsa1.0.00636.1	1265	71113	0	1261	1265	99 -	1	1265	66378	67642
UN29927	Rsa1.0.00944.1	728	58733	0	366	366	100 +	361	726	54332	54697
UN29928	Rsa1.0.03623.1	1265	21714	0	598	616	97 -	660	1265	19171	19784
UN29929	Rsa1.0.31061.1	716	737	0	431	456	94 +	261	715	139	586
UN29930	Rsa1.0.00098.1	590	349239	0	513	545	94 -	56	590	234712	235244
UN29931	Rsa1.0.01876.1	518	37800	1.00E-130	262	271	96 -	3	273	32500	32770
UN29932	Rsa1.0.00160.1	758	346678	0	736	759	96 +	3	758	174975	175732
UN29933	Rsa1.0.00002.1	1388	601661	0	1163	1191	97 +	196	1386	256860	258050
UN29934	Rsa1.0.00022.1	689	200461	0	574	583	98 +	113	689	58087	58669
UN29935	Rsa1.0.00239.1	1043	104332	0	365	374	97 -	2	371	98285	98657
UN29936	Rsa1.0.15040.1	1058	2876	0	878	901	97 -	158	1058	1479	2379
UN29937	Rsa1.0.00321.1	810	95671	0	624	640	97 -	2	641	77384	78022
UN29938	Rsa1.0.01482.1	881	44855	0	657	690	95 -	8	697	10657	11334
UN29939	Rsa1.0.02849.1	681	27327	1.00E-137	505	586	86 -	97	681	22051	22627
UN29940	Rsa1.0.00071.1	1279	345714	1.00E-154	296	301	98 -	6	305	82181	82481
UN29941	Rsa1.0.00068.1	969	151813	0	658	684	96 -	3	686	105614	106294
UN29942	Rsa1.0.00382.1	514	251946	0	504	510	98 +	2	511	241886	242395
UN29943	Rsa1.0.03294.1	653	23971	6.00E-79	211	222	95 +	430	646	21081	21300
UN29944	Rsa1.0.47147.1	727	479	1.00E-170	318	323	98 -	3	325	36	358
UN29945	Rsa1.0.00714.1	436	67187	1.00E-162	363	385	94 +	27	405	7022	7399
UN29946	Rsa1.0.28735.1	1232	804	0	525	526	99 -	707	1232	240	765
UN29947	Rsa1.0.04265.1	1088	18199	1.00E-178	322	324	99 -	765	1088	4789	5112
UN29948	Rsa1.0.06026.1	558	11898	0	555	558	99 -	3	558	845	1402
UN29949	Rsa1.0.03736.1	768	21081	0	458	491	93 +	291	768	7755	8245
UN29950	Rsa1.0.08677.1	866	7048	0	735	756	97 -	113	866	4656	5410

UN29951	Rsa1.0_01301.1	222	169072	6.00E-67	202	223	90 -	1	222	12063	12281
UN29952	Rsa1.0_00625.1	828	71672	7.00E-73	170	180	94 +	100	278	53567	53737
UN29953	Rsa1.0_00533.1	773	77375	0	749	775	96 +	3	773	681	1454
UN29954	Rsa1.0_01338.1	888	155644	1.00E-166	311	316	98 +	227	542	12333	12648
UN29955	Rsa1.0_00621.1	1058	71840	1.00E-145	296	306	96 -	389	694	63900	64204
UN29956	Rsa1.0_02174.1	1078	34316	0	1033	1078	95 -	1	1077	4435	5508
UN29957	Rsa1.0_00176.1	522	240984	1.00E-104	274	302	90 +	226	522	223410	223698
UN29958	Rsa1.0_05740.1	1222	12775	0	1217	1221	99 -	3	1222	10830	12050
UN29959	Rsa1.0_00016.1	881	831256	9.00E-20	190	231	82 +	116	340	683753	683980
UN29960	Rsa1.0_00024.1	1022	188018	0	675	717	94 -	131	844	123951	124665
UN29961	Rsa1.0_03171.1	1028	24817	0	933	984	94 +	5	986	18660	19640
UN29962	Rsa1.0_01638.1	770	41857	0	387	400	96 -	375	770	438	836
UN29963	Rsa1.0_00454.1	1122	216970	0	1086	1104	98 +	21	1122	18813	19916
UN29964	Rsa1.0_00346.1	750	93130	1.00E-172	354	369	95 -	2	367	86176	86544
UN29965	Rsa1.0_02967.1	635	26395	0	615	634	97 -	2	635	11198	11829
UN29966	Rsa1.0_00447.1	877	84051	8.00E-79	245	274	89 +	222	493	73422	73690
UN29967	Rsa1.0_00452.1	852	83201	0	340	342	99 +	235	576	73659	74000
UN29968	Rsa1.0_01281.1	978	49313	0	617	685	90 +	303	978	6610	7268
UN29969	Rsa1.0_00066.1	1067	152418	0	1013	1064	95 +	5	1066	2415	3475
UN29970	#	#	#	#	#	#	#	#	#	#	#
UN29971	Rsa1.0_01586.1	1364	42804	0	635	658	96 +	139	796	20465	21122
UN29972	Rsa1.0_00779.1	873	64568	2.00E-61	299	355	84 -	44	397	4050	4400
UN29973	Rsa1.0_00094.1	1328	139042	0	800	863	92 +	471	1328	75280	76119
UN29974	Rsa1.0_03366.1	618	23401	1.00E-143	310	329	94 -	1	329	12024	12343
UN29975	Rsa1.0_02550.1	923	291051	0	859	887	96 +	2	886	2712	3596
UN29976	Rsa1.0_01036.1	1171	55978	0	371	374	99 -	371	744	15901	16274
UN29977	Rsa1.0_00040.1	402	324196	1.00E-153	368	401	91 +	9	402	15635	16017
UN29978	Rsa1.0_01035.1	705	56019	1.00E-55	124	127	97 -	359	485	51672	51797
UN29979	Rsa1.0_00102.1	1149	135497	0	629	644	97 -	3	644	60465	61108
UN29980	Rsa1.0_02648.1	1095	29073	0	666	706	94 +	415	1092	11052	11757
UN29981	Rsa1.0_00072.1	741	148743	3.00E-53	587	739	79 +	2	731	66982	67713
UN29982	Rsa1.0_00019.1	988	301669	0	982	1009	97 -	2	988	129768	130776
UN29983	Rsa1.0_00911.1	1035	59943	1.00E-124	282	300	94 +	732	1031	11222	11518
UN29984	Rsa1.0_00198.1	1395	222963	2.00E-74	171	179	95 +	185	362	142263	142441
UN29985	Rsa1.0_02356.1	808	141500	1.00E-106	202	204	99 -	506	709	123611	123814
UN29986	Rsa1.0_00120.1	779	277288	0	600	625	96 +	3	627	45238	45860
UN29987	Rsa1.0_02619.1	643	29444	0	514	531	96 -	2	529	209	737
UN29988	Rsa1.0_02981.1	671	26285	0	548	554	98 -	5	558	7208	7761
UN29989	Rsa1.0_00923.1	761	153678	0	532	585	90 -	166	737	56675	57250

UN29990	Rsa1.0.03342.1	1043	23600	0	568	589	96 +	2	590	16264	16852
UN29991	Rsa1.0.46380.1	747	487	0	485	487	99 +	189	675	1	487
UN29992	Rsa1.0.00041.1	779	186197	1.00E-111	254	267	95 +	517	779	33784	34049
UN29993	Rsa1.0.00698.1	724	67816	1.00E-171	308	309	99 +	2	310	10893	11201
UN29994	Rsa1.0.01659.1	907	164577	0	861	904	95 +	2	905	15038	15941
UN29995	Rsa1.0.00563.1	1107	75491	1.00E-139	270	276	97 +	236	511	7217	7492
UN29996	Rsa1.0.01659.1	669	164577	7.00E-94	205	211	97 +	4	214	16853	17060
UN29997	Rsa1.0.03178.1	588	24798	0	439	456	96 +	133	588	8721	9173
UN29998	Rsa1.0.03949.1	1245	19899	6.00E-68	252	290	86 -	485	764	18509	18794
UN29999	Rsa1.0.00441.1	1075	84607	0	1040	1072	97 -	3	1073	7069	8140
UN30000	Rsa1.0.02758.1	547	28186	0	406	420	96 +	114	533	20143	20560
UN30001	Rsa1.0.03833.1	749	20575	0	552	559	98 -	3	560	19050	19608
UN30002	Rsa1.0.01052.1	759	55548	0	758	759	99 +	2	759	32275	33033
UN30003	Rsa1.0.21583.1	750	1190	1.00E-156	374	405	92 -	350	750	408	793
UN30004	Rsa1.0.23235.1	870	1063	0	357	358	99 -	4	361	535	892
UN30005	Rsa1.0.01580.1	799	42852	0	773	798	96 +	2	798	24193	24985
UN30006	Rsa1.0.00019.1	1510	301669	0	573	574	99 +	2	574	244029	244602
UN30007	Rsa1.0.00104.1	749	368722	7.00E-11	51	56	91 +	397	452	351969	352024
UN30008	Rsa1.0.00455.1	1098	224823	0	510	521	97 -	578	1097	166415	166934
UN30009	Rsa1.0.02323.1	949	32534	0	902	949	95 -	1	949	17139	18080
UN30010	Rsa1.0.03906.1	490	20161	1.00E-101	187	187	100 -	304	490	15920	16106
UN30011	Rsa1.0.07598.1	1117	9054	1.00E-177	350	361	96 +	259	619	1188	1540
UN30012	Rsa1.0.01138.1	774	190615	0	391	392	99 -	1	392	17260	17651
UN30013	Rsa1.0.00031.1	722	179862	1.00E-176	316	317	99 -	1	317	51072	51388
UN30014	Rsa1.0.07895.1	746	8344	0	694	742	93 -	5	746	6780	7513
UN30015	Rsa1.0.02225.1	1213	33738	1.00E-147	277	281	98 +	1	281	9365	9645
UN30016	Rsa1.0.00131.1	1791	432233	0	931	1011	92 +	457	1439	164657	165666
UN30017	Rsa1.0.00673.1	838	69325	0	412	441	93 +	1	441	18859	19291
UN30018	Rsa1.0.00287.1	849	98687	0	821	850	96 +	3	849	29686	30533
UN30019	Rsa1.0.00162.1	667	239935	1.00E-117	273	290	94 -	165	454	62258	62545
UN30020	Rsa1.0.00100.1	1002	249232	0	407	412	98 +	367	778	188897	189308
UN30021	Rsa1.0.06168.1	1032	11580	1.00E-135	286	299	95 -	711	1006	9698	9996
UN30022	Rsa1.0.04243.1	836	18321	0	807	860	93 +	1	834	7244	8100
UN30023	Rsa1.0.00553.1	717	75983	0	438	441	99 -	1	441	25379	25819
UN30024	Rsa1.0.00809.1	726	177832	1.00E-131	244	246	99 -	1	246	7117	7362
UN30025	Rsa1.0.05464.1	537	13660	0	529	530	99 -	1	530	1027	1556
UN30026	Rsa1.0.02030.1	811	179909	1.00E-120	228	231	98 +	160	390	30369	30599
UN30027	Rsa1.0.14393.1	481	3440	1.00E-137	318	338	94 +	88	422	81	417
UN30028	Rsa1.0.00865.1	787	61686	0	774	786	98 +	2	787	35050	35835

UN30029	Rsa1.0.02050.1	1202	35570	0	544	559	97 -	1	557	5038	5596
UN30030	Rsa1.0.00187.1	782	393093	0	387	399	96 -	369	767	221747	222145
UN30031	Rsa1.0.00782.1	585	64468	0	526	547	96 +	42	585	47518	48064
UN30032	Rsa1.0.00682.1	755	68680	7.00E-91	257	285	90 +	4	286	14082	14351
UN30033	Rsa1.0.06968.1	799	10090	1.00E-141	315	338	93 -	1	320	7329	7665
UN30034	Rsa1.0.00775.1	473	64793	0	467	470	99 -	4	473	59188	59656
UN30035	Rsa1.0.02467.1	937	31141	2.00E-88	213	226	94 -	714	937	19729	19954
UN30036	Rsa1.0.00466.1	774	82132	1.00E-157	349	368	94 -	374	737	59577	59943
UN30037	Rsa1.0.00108.1	943	478491	1.00E-126	289	307	94 +	638	941	45777	46082
UN30038	Rsa1.0.07606.1	860	9035	2.00E-60	225	261	86 +	5	257	3071	3327
UN30039	Rsa1.0.00736.1	1081	66455	0	1074	1079	99 -	3	1081	42189	43267
UN30040	Rsa1.0.05702.1	843	12884	1.00E-160	307	311	98 +	176	485	10373	10682
UN30041	Rsa1.0.10731.1	972	5743	0	955	965	98 -	6	970	4782	5743
UN30042	Rsa1.0.03142.1	743	25043	2.33E-156	284	290	97 +	2	290	23079	23368
UN30043	Rsa1.0.04317.1	675	17967	1.00E-125	240	244	98 +	174	417	16547	16790
UN30044	Rsa1.0.02968.1	626	26392	4.00E-61	123	124	99 -	503	626	14765	14888
UN30045	Rsa1.0.01887.1	963	37564	1.00E-83	251	280	89 -	113	384	18883	19161
UN30046	Rsa1.0.00525.1	159	78030	5.00E-82	157	158	99 +	2	159	40396	40553
UN30047	Rsa1.0.02299.1	896	32857	8.00E-82	184	193	95 -	453	642	7149	7341
UN30048	Rsa1.0.00924.1	689	59524	0	680	690	98 +	2	689	31133	31821
UN30049	Rsa1.0.00322.1	1360	212233	0	500	518	96 -	1	513	56950	57467
UN30050	Rsa1.0.02169.1	899	34367	1.00E-168	372	392	94 +	509	899	31821	32210
UN30051	Rsa1.0.02030.1	787	179909	1.00E-145	303	316	95 -	207	522	31734	32046
UN30052	Rsa1.0.00082.1	805	237584	0	439	459	95 -	348	803	19604	20059
UN30053	Rsa1.0.03001.1	685	26108	1.00E-177	569	642	88 -	16	649	7362	7981
UN30054	Rsa1.0.00180.1	1034	114581	0	1024	1033	99 +	2	1034	85811	86843
UN30055	Rsa1.0.00180.1	737	114581	1.00E-160	432	478	90 +	265	723	10601	11075
UN30056	Rsa1.0.03238.1	589	24432	0	563	590	95 -	2	589	4643	5228
UN30057	Rsa1.0.00080.1	1089	190437	0	431	441	97 +	86	520	66742	67182
UN30058	Rsa1.0.01649.1	680	41624	1.00E-64	144	150	96 -	5	154	20431	20580
UN30059	Rsa1.0.00159.1	571	431686	2.00E-60	166	184	90 -	2	173	254060	254243
UN30060	Rsa1.0.00459.1	487	82580	0	481	484	99 -	4	487	55654	56137
UN30061	Rsa1.0.05717.1	510	12849	0	460	472	97 -	2	469	2099	2570
UN30062	Rsa1.0.00820.1	834	62911	1.00E-154	282	284	99 +	551	834	52717	53000
UN30063	Rsa1.0.08160.1	828	7817	0	803	824	97 -	1	824	6590	7412
UN30064	Rsa1.0.05947.1	435	12142	1.00E-131	293	311	94 +	122	432	7245	7542
UN30065	Rsa1.0.66303.1	866	346	9.00E-60	210	238	88 -	583	818	98	335
UN30066	Rsa1.0.00968.1	706	58020	1.00E-117	233	239	97 -	36	274	37326	37564
UN30067	Rsa1.0.02784.1	831	27881	1.00E-110	304	333	91 +	37	358	22192	22519

UN30068	Rsa1.0.02236.1	1206	33558	0	664	680	97 -	112	791	4494	5173
UN30069	Rsa1.0.00022.1	1104	200461	0	740	766	96 +	154	919	162335	163100
UN30070	Rsa1.0.00414.1	1129	202190	0	480	502	95 +	630	1129	11608	12097
UN30071	Rsa1.0.02070.1	427	158516	1.00E-112	218	222	98 -	3	224	7937	8158
UN30072	Rsa1.0.01997.1	1216	158416	1.00E-111	217	221	98 +	96	316	13760	13980
UN30073	Rsa1.0.00360.1	580	91190	1.00E-114	256	269	95 -	312	580	33144	33410
UN30074	Rsa1.0.01699.1	787	40816	3.00E-59	236	273	86 -	3	274	31294	31560
UN30075	Rsa1.0.03579.1	1146	21969	0	393	407	96 -	740	1145	627	1028
UN30076	Rsa1.0.01827.1	548	143321	1.00E-128	259	268	96 -	280	547	139923	140190
UN30077	Rsa1.0.02105.1	667	156953	0	562	621	90 -	3	601	3269	3879
UN30078	Rsa1.0.08679.1	617	7047	2.00E-84	212	228	92 -	395	617	4286	4513
UN30079	Rsa1.0.00403.1	370	87701	3.00E-64	221	255	86 +	137	370	25249	25503
UN30080	Rsa1.0.13814.1	1000	4278	1.00E-120	223	224	99 +	777	1000	3784	4007
UN30081	Rsa1.0.00258.1	564	102381	0	527	558	94 -	4	561	43092	43632
UN30082	Rsa1.0.00549.1	748	76473	3.00E-93	183	186	98 -	3	188	4437	4622
UN30083	Rsa1.0.01549.1	972	43543	0	433	444	97 +	3	446	20207	20650
UN30084	Rsa1.0.00143.1	1180	121313	0	1005	1032	97 -	154	1180	3784	4815
UN30085	Rsa1.0.51330.1	1131	443	1.00E-74	177	188	94 -	948	1131	155	342
UN30086	Rsa1.0.02252.1	1168	33375	0	1106	1136	97 +	30	1165	8642	9773
UN30087	#	#	#	#	#	#	#	#	#	#	#
UN30088	Rsa1.0.00107.1	411	431659	1.00E-165	385	412	93 +	1	407	321539	321945
UN30089	Rsa1.0.00123.1	974	325650	1.00E-132	273	282	96 +	12	290	127168	127448
UN30090	Rsa1.0.00609.1	936	72785	0	342	349	97 -	51	399	58426	58774
UN30091	Rsa1.0.00276.1	850	100160	0	678	687	98 +	164	850	47168	47854
UN30092	Rsa1.0.01712.1	692	154210	0	621	678	91 -	3	676	36921	37576
UN30093	Rsa1.0.00473.1	925	212204	1.00E-156	325	339	95 +	3	339	80359	80697
UN30094	Rsa1.0.00047.1	1156	168582	0	1123	1154	97 -	5	1147	154406	155556
UN30095	Rsa1.0.03884.1	905	20274	0	860	876	98 +	2	877	13433	14308
UN30096	Rsa1.0.00009.1	350	232558	5.00E-87	187	195	95 -	8	202	53747	53941
UN30097	Rsa1.0.00123.1	701	325650	7.00E-88	180	185	97 -	2	186	124643	124827
UN30098	Rsa1.0.00055.1	489	520193	3.00E-15	83	95	87 +	365	458	180223	180317
UN30099	Rsa1.0.07836.1	1219	8451	8.00E-21	119	141	84 -	655	795	1074	1214
UN30100	Rsa1.0.00071.1	790	345714	1.00E-123	275	288	95 -	2	288	53091	53375
UN30101	Rsa1.0.00426.1	1224	85668	1.00E-138	280	290	96 +	761	1050	31387	31676
UN30102	Rsa1.0.00055.1	491	520193	2.00E-25	112	128	87 -	50	176	180191	180318
UN30103	Rsa1.0.00069.1	712	403561	0	456	462	98 +	2	463	361007	361468
UN30104	Rsa1.0.00709.1	659	67329	0	399	417	95 -	3	419	25330	25746
UN30105	Rsa1.0.00623.1	910	207630	1.00E-170	383	406	94 +	495	899	168770	169172
UN30106	Rsa1.0.00015.1	1248	561803	1.00E-151	304	315	96 -	939	1248	548925	549239

UN30107	Rsa1.0.02268.1	620	33172	1.00E-140	284	293	96 -	313	604	30936	31228
UN30108	Rsa1.0.00094.1	1084	139042	0	1050	1104	95 -	2	1084	47000	48094
UN30109	Rsa1.0.01408.1	1187	46383	0	836	881	94 +	1	877	35834	36714
UN30110	Rsa1.0.00065.1	865	454616	0	346	348	99 +	16	362	429560	429907
UN30111	Rsa1.0.07217.1	755	9703	0	567	603	94 -	146	744	5577	6166
UN30112	Rsa1.0.00932.1	877	59185	1.00E-106	227	236	96 +	639	873	34923	35158
UN30113	Rsa1.0.00142.1	780	121474	0	465	476	97 +	2	477	116150	116625
UN30114	Rsa1.0.01016.1	667	181422	1.00E-177	398	421	94 +	248	667	177066	177481
UN30115	Rsa1.0.00040.1	1252	324196	0	1209	1257	96 +	4	1252	229873	231129
UN30116	Rsa1.0.00330.1	573	94666	1.00E-164	336	347	96 -	229	572	45452	45797
UN30117	Rsa1.0.04846.1	575	15739	1.00E-122	256	265	96 -	3	267	7111	7372
UN30118	Rsa1.0.05127.1	609	147533	1.00E-101	230	249	92 +	379	608	6710	6958
UN30119	Rsa1.0.00469.1	896	82084	0	872	898	97 -	3	896	15857	16753
UN30120	Rsa1.0.07168.1	675	9790	3.00E-99	222	237	93 -	3	239	3361	3585
UN30121	Rsa1.0.00584.1	1237	74295	1.00E-127	317	344	92 +	904	1237	2066	2409
UN30122	Rsa1.0.06013.1	849	11931	0	849	849	100 +	1	849	2242	3090
UN30123	Rsa1.0.00306.1	707	146760	1.00E-120	226	227	99 +	1	226	89337	89563
UN30124	Rsa1.0.04716.1	770	16262	0	716	731	97 -	4	733	5986	6713
UN30125	Rsa1.0.00096.1	1103	198773	0	1100	1100	100 +	4	1103	177665	178764
UN30126	Rsa1.0.00051.1	825	258225	1.00E-175	311	311	100 -	1	311	4854	5164
UN30127	Rsa1.0.00007.1	830	239325	1.00E-145	265	266	99 +	240	505	39409	39674
UN30128	Rsa1.0.02783.1	940	27927	0	805	818	98 -	123	940	8059	8873
UN30129	Rsa1.0.00407.1	724	191544	1.00E-160	287	287	100 -	14	300	162783	163069
UN30130	Rsa1.0.03774.1	840	20932	0	530	543	97 +	6	548	16194	16736
UN30131	Rsa1.0.00176.1	768	240984	0	412	412	100 +	357	768	187775	188186
UN30132	Rsa1.0.00250.1	834	273771	0	832	832	100 +	3	834	251633	252464
UN30133	Rsa1.0.00753.1	993	65705	0	993	993	100 -	1	993	15434	16426
UN30134	Rsa1.0.00722.1	970	66840	0	329	329	100 +	1	329	2430	2758
UN30135	Rsa1.0.01220.1	488	161775	1.00E-153	283	286	98 -	162	447	13146	13431
UN30136	Rsa1.0.00122.1	869	265937	0	540	540	100 +	330	869	45090	45629
UN30137	Rsa1.0.04660.1	885	16478	0	363	364	99 -	8	370	4148	4511
UN30138	Rsa1.0.00085.1	928	142226	0	928	929	99 -	1	928	122264	123192
UN30139	Rsa1.0.02057.1	864	35540	0	555	557	99 -	308	864	27390	27945
UN30140	Rsa1.0.03014.1	1188	26018	1.00E-138	276	282	97 +	1	281	5295	5575
UN30141	Rsa1.0.02161.1	998	34459	0	493	498	98 -	1	498	11324	11821
UN30142	Rsa1.0.00078.1	864	175053	0	620	620	100 +	245	864	18817	19436
UN30143	Rsa1.0.00163.1	855	116847	0	497	508	97 +	339	846	37083	37587
UN30144	Rsa1.0.00818.1	888	62939	1.00E-104	199	200	99 +	1	199	60442	60641
UN30145	Rsa1.0.00252.1	559	102760	0	548	560	97 -	1	559	23499	24058

UN30224	#	#	#	#	#	#	#	#	#	#	#	#
UN30225	Rsa1.0.06111.1	563	11723	0	555	564	98 +	1	561	5155	5718	
UN30226	Rsa1.0.01196.1	448	51097	0	429	437	98 +	2	436	24241	24676	
UN30227	Rsa1.0.00357.1	993	173671	0	671	671	100 -	322	992	169807	170477	
UN30228	Rsa1.0.26922.1	890	873	7.00E-67	130	130	100 +	254	383	178	307	
UN30229	Rsa1.0.13674.1	1478	4509	0	1340	1479	90 -	1	1478	1762	3230	
UN30230	Rsa1.0.00138.1	907	247040	0	867	902	96 +	5	903	245439	246328	
UN30231	Rsa1.0.00842.1	1273	62493	0	395	410	96 -	253	662	3019	3428	
UN30232	Rsa1.0.00758.1	1072	65477	0	554	569	97 -	30	595	10622	11190	
UN30233	Rsa1.0.00394.1	480	148426	1.00E-153	284	286	99 -	1	285	91116	91401	
UN30234	Rsa1.0.00301.1	1313	365315	0	1309	1312	99 +	2	1313	334566	335877	
UN30235	Rsa1.0.00034.1	1507	260119	0	1494	1494	100 -	7	1500	98658	100151	
UN30236	Rsa1.0.00160.1	1241	346678	0	522	555	94 -	16	555	195210	195761	
UN30237	Rsa1.0.00426.1	659	85668	1.00E-140	288	300	96 +	91	390	23741	24040	
UN30238	Rsa1.0.00816.1	1520	403350	0	462	480	96 -	1046	1520	114406	114882	
UN30239	Rsa1.0.00964.1	839	316648	0	446	446	100 +	394	839	144104	144549	
UN30240	Rsa1.0.00112.1	785	132199	0	783	785	99 -	1	785	14916	15699	
UN30241	Rsa1.0.00354.1	725	232005	0	725	725	100 +	1	725	158241	158965	
UN30242	Rsa1.0.00770.1	871	64900	0	871	871	100 +	1	871	14871	15741	
UN30243	Rsa1.0.00092.1	690	659932	0	690	690	100 +	1	690	143956	144645	
UN30244	Rsa1.0.00008.1	1012	358124	0	726	744	97 -	229	972	47604	48344	
UN30245	Rsa1.0.00792.1	838	64163	0	834	835	99 +	5	838	7634	8468	
UN30246	Rsa1.0.01452.1	783	45459	0	578	580	99 +	204	783	42427	43006	
UN30247	Rsa1.0.01436.1	912	45894	0	551	551	100 -	3	553	37055	37605	
UN30248	Rsa1.0.00689.1	1303	68305	0	1303	1303	100 +	1	1303	27093	28395	
UN30249	Rsa1.0.02930.1	801	26668	0	570	577	98 +	225	801	25477	26053	
UN30250	Rsa1.0.00655.1	874	195840	0	874	874	100 +	1	874	18824	19697	
UN30251	Rsa1.0.35576.1	1035	636	1.00E-154	313	326	96 +	1	326	75	393	
UN30252	Rsa1.0.00857.1	1048	61904	0	658	668	98 -	382	1048	27200	27867	
UN30253	Rsa1.0.02513.1	856	30643	0	488	504	96 +	353	856	10514	11017	
UN30254	Rsa1.0.00324.1	649	218805	0	589	590	99 +	1	589	11418	12007	
UN30255	Rsa1.0.00584.1	1365	74295	0	1318	1355	97 -	7	1360	9341	10690	
UN30256	Rsa1.0.01180.1	547	51517	0	336	337	99 -	211	547	38943	39279	
UN30257	Rsa1.0.01136.1	653	52724	0	642	646	99 -	3	648	36583	37228	
UN30258	Rsa1.0.01707.1	648	40686	0	612	621	98 -	5	624	24712	25332	
UN30259	Rsa1.0.00128.1	900	228675	0	899	900	99 -	1	900	193349	194247	
UN30260	Rsa1.0.00454.1	525	216970	1.00E-147	265	265	100 +	260	524	142992	143256	
UN30261	Rsa1.0.06288.1	623	11302	0	609	635	95 -	1	623	648	1276	
UN30262	Rsa1.0.03843.1	881	20496	0	348	352	98 +	410	761	16636	16987	

UN30263	Rsa1.0_58060.1	1321	394	1.00E-124	236	239	98 -	913	1151	83	321
UN30264	Rsa1.0_13478.1	1114	4790	0	735	751	97 +	364	1114	2277	3018
UN30265	Rsa1.0_00453.1	919	83031	0	874	874	100 +	46	919	64710	65583
UN30266	Rsa1.0_01131.1	1436	52928	0	796	796	100 -	641	1436	4101	4896
UN30267	Rsa1.0_00153.1	1027	192931	0	889	913	97 -	1	913	37616	38526
UN30268	Rsa1.0_00004.1	580	253996	0	573	579	98 +	2	578	54983	55561
UN30269	Rsa1.0_00501.1	853	79545	0	846	846	100 +	8	853	40398	41243
UN30270	Rsa1.0_00429.1	1512	85559	9.00E-49	319	392	81 +	985	1376	23801	24192
UN30271	Rsa1.0_00617.1	1252	72199	0	855	866	98 -	32	897	34159	35024
UN30272	Rsa1.0_06761.1	864	10401	1.00E-134	242	242	100 +	3	244	5509	5750
UN30273	Rsa1.0_06708.1	885	10502	0	832	885	94 +	4	885	5587	6471
UN30274	Rsa1.0_03429.1	1611	22984	0	1591	1604	99 -	9	1608	6808	8411
UN30275	Rsa1.0_25408.1	363	937	1.00E-176	318	320	99 -	44	363	618	937
UN30276	Rsa1.0_01632.1	1417	181224	0	477	477	100 -	941	1417	828	1304
UN30277	Rsa1.0_00061.1	955	218685	0	942	953	98 -	3	951	190147	191099
UN30278	Rsa1.0_04536.1	874	16947	1.00E-108	199	199	100 -	676	874	13432	13630
UN30279	Rsa1.0_00260.1	975	102021	0	950	975	97 -	14	975	11764	12735
UN30280	Rsa1.0_00209.1	813	108531	0	451	452	99 +	245	696	65750	66201
UN30281	Rsa1.0_00384.1	909	89278	0	888	910	97 -	1	905	28399	29307
UN30282	Rsa1.0_00404.1	843	87635	0	833	833	100 -	11	843	5533	6365
UN30283	Rsa1.0_02649.1	819	29072	0	819	819	100 -	1	819	27469	28287
UN30284	Rsa1.0_01585.1	1141	42806	0	518	518	100 +	7	524	14641	15158
UN30285	Rsa1.0_07490.1	923	9261	0	321	321	100 +	603	923	4752	5072
UN30286	Rsa1.0_02176.1	851	34291	0	448	448	100 -	404	851	3326	3773
UN30287	Rsa1.0_02481.1	1019	31035	1.00E-40	144	160	90 -	278	433	11416	11574
UN30288	Rsa1.0_00247.1	845	103408	1.00E-130	236	236	100 +	356	591	42740	42975
UN30289	Rsa1.0_00278.1	827	231896	0	754	810	93 +	23	827	184932	185735
UN30290	Rsa1.0_00179.1	873	393324	0	581	583	99 +	1	581	323446	324028
UN30291	Rsa1.0_00226.1	1621	105884	1.00E-176	321	322	99 +	1301	1621	75673	75994
UN30292	Rsa1.0_02503.1	894	30709	0	885	894	98 -	1	894	23667	24560
UN30293	Rsa1.0_00002.1	660	601661	0	624	651	95 -	11	660	86247	86893
UN30294	Rsa1.0_00255.1	867	204967	0	836	860	97 -	8	867	157568	158425
UN30295	Rsa1.0_05634.1	836	13114	0	466	473	98 +	1	473	12562	13034
UN30296	#	#	#	#	#	#	#	#	#	#	#
UN30297	Rsa1.0_01493.1	994	44670	0	450	467	96 -	414	880	20749	21215
UN30298	Rsa1.0_00227.1	1519	105849	0	1332	1349	98 +	173	1519	44790	46138
UN30299	Rsa1.0_01800.1	1260	39109	0	559	564	99 +	702	1260	25537	26100
UN30300	Rsa1.0_00651.1	1003	247766	0	767	767	100 +	1	767	242255	243021
UN30301	Rsa1.0_04816.1	934	15872	0	896	896	100 +	1	896	14977	15872

UN30302	Rsa1.0.00890.1	836	323870	0	621	647	95 -	193	836	200362	201008
UN30303	Rsa1.0.00713.1	945	158017	0	370	370	100 -	5	374	52803	53172
UN30304	Rsa1.0.01090.1	541	54385	1.00E-154	276	276	100 +	266	541	6183	6458
UN30305	Rsa1.0.00110.1	922	132719	0	507	507	100 -	416	922	126633	127139
UN30306	Rsa1.0.01557.1	1149	43291	0	537	537	100 -	1	537	23170	23706
UN30307	Rsa1.0.56316.1	848	406	0	331	331	100 -	391	721	76	406
UN30308	Rsa1.0.02462.1	924	31158	0	715	744	96 +	91	834	5633	6376
UN30309	Rsa1.0.02165.1	842	34423	0	656	658	99 +	1	658	24956	25611
UN30310	Rsa1.0.00657.1	874	69858	0	636	636	100 -	6	641	43257	43892
UN30311	Rsa1.0.00390.1	912	88681	0	471	472	99 +	441	912	32984	33455
UN30312	Rsa1.0.14179.1	855	3698	0	546	546	100 +	310	855	1933	2478
UN30313	Rsa1.0.03466.1	865	22698	0	859	867	99 +	1	865	18643	19509
UN30314	Rsa1.0.01569.1	886	43029	0	885	887	99 -	1	886	33349	34235
UN30315	Rsa1.0.00179.1	863	393324	0	609	610	99 +	254	863	187042	187651
UN30316	Rsa1.0.04036.1	127	19473	1.00E-26	77	81	95 -	4	83	15012	15092
UN30317	Rsa1.0.26398.1	144	893	4.00E-76	144	144	100 +	1	144	214	357
UN30318	Rsa1.0.00480.1	891	81325	0	805	829	97 -	63	891	63072	63899
UN30319	Rsa1.0.00006.1	864	396176	1.00E-125	234	236	99 -	326	561	364865	365100
UN30320	Rsa1.0.14681.1	871	3161	0	482	482	100 -	7	488	2304	2785
UN30321	Rsa1.0.00351.1	872	413096	0	682	682	100 -	1	682	194200	194881
UN30322	Rsa1.0.00135.1	1186	178077	1.00E-139	287	299	95 +	526	824	148552	148850
UN30323	Rsa1.0.00119.1	1270	467509	0	702	725	96 +	549	1270	125058	125776
UN30324	Rsa1.0.00277.1	1371	100132	0	394	394	100 +	1	394	74332	74725
UN30325	#	#	#	#	#	#	#	#	#	#	#
UN30326	Rsa1.0.01589.1	872	42721	1.00E-112	224	230	97 +	12	241	33101	33330
UN30327	Rsa1.0.01101.1	899	54031	0	469	470	99 +	430	899	51274	51743
UN30328	Rsa1.0.01359.1	868	47271	1.00E-111	211	213	99 +	3	215	28770	28982
UN30329	#	#	#	#	#	#	#	#	#	#	#
UN30330	Rsa1.0.02858.1	1324	27246	0	1193	1196	99 +	130	1324	22920	24115
UN30331	Rsa1.0.00604.1	808	146282	3.00E-78	167	173	96 +	478	650	78519	78691
UN30332	#	#	#	#	#	#	#	#	#	#	#
UN30333	Rsa1.0.02328.1	995	32494	0	596	622	95 -	374	995	3717	4328
UN30334	Rsa1.0.12798.1	936	5122	1.00E-65	257	300	85 -	447	746	82	381
UN30335	Rsa1.0.07430.1	900	9409	0	872	901	96 -	6	900	776	1672
UN30336	Rsa1.0.00119.1	1343	467509	0	1157	1186	97 +	158	1332	295654	296831
UN30337	Rsa1.0.02200.1	878	33981	0	876	879	99 +	1	878	6394	7271
UN30338	Rsa1.0.00300.1	1384	97747	0	466	504	92 +	3	484	85279	85779
UN30339	Rsa1.0.01377.1	891	46967	0	651	653	99 -	239	891	11053	11705
UN30340	Rsa1.0.00085.1	855	142226	0	721	721	100 +	89	809	120559	121279

UN30341	Rsa1.0_00006.1	902	396176	1.00E-170	307	308	99 +	1	308	311033	311340
UN30342	Rsa1.0_03297.1	896	23969	0	392	392	100 +	194	585	21000	21391
UN30343	Rsa1.0_00672.1	855	69358	1.00E-178	317	317	100 -	307	623	40408	40724
UN30344	Rsa1.0_02860.1	1347	27207	0	519	519	100 -	433	951	1369	1887
UN30345	Rsa1.0_04994.1	1526	15199	0	1498	1526	98 -	2	1526	7236	8761
UN30346	Rsa1.0_02449.1	965	31292	0	962	965	99 -	1	964	18538	19502
UN30347	Rsa1.0_00108.1	881	478491	8.00E-82	170	174	97 +	64	235	36884	37057
UN30348	Rsa1.0_00123.1	1491	325650	0	1442	1489	96 +	3	1491	111835	113319
UN30349	Rsa1.0_04999.1	1522	15179	0	958	966	99 +	1	965	1942	2907
UN30350	Rsa1.0_04012.1	1289	19574	0	447	470	95 +	350	818	9075	9544
UN30351	Rsa1.0_02069.1	730	35425	0	561	561	100 -	170	730	8838	9398
UN30352	Rsa1.0_00487.1	931	80674	0	591	591	100 -	341	931	77246	77836
UN30353	Rsa1.0_02149.1	883	148330	0	417	417	100 +	467	883	11448	11864
UN30354	Rsa1.0_02192.1	1595	171291	0	968	973	99 -	4	976	152494	153461
UN30355	Rsa1.0_01231.1	909	50208	0	909	909	100 -	1	909	21050	21958
UN30356	Rsa1.0_02888.1	738	27020	0	521	532	97 -	32	563	11482	12010
UN30357	Rsa1.0_00271.1	1256	101125	0	902	902	100 +	168	1069	11831	12732
UN30358	Rsa1.0_02063.1	906	35484	0	490	491	99 -	1	491	21280	21770
UN30359	Rsa1.0_11719.1	701	5430	1.00E-112	211	213	99 -	489	701	3733	3945
UN30360	Rsa1.0_00166.1	742	240912	1.00E-128	236	237	99 +	173	409	684	920
UN30361	Rsa1.0_00025.1	796	277312	0	506	506	100 -	291	796	15124	15629
UN30362	#	#	#	#	#	#	#	#	#	#	#
UN30363	Rsa1.0_01526.1	766	43919	1.00E-180	322	323	99 +	55	377	24897	25219
UN30364	Rsa1.0_00876.1	837	61328	0	500	531	94 -	2	525	43573	44090
UN30365	Rsa1.0_04662.1	946	16477	0	921	950	96 -	1	946	145	1089
UN30366	Rsa1.0_00108.1	1048	478491	0	580	583	99 -	1	582	77201	77783
UN30367	Rsa1.0_00001.1	893	363028	0	397	397	100 -	497	893	158336	158732
UN30368	Rsa1.0_00040.1	905	324196	0	707	708	99 -	183	890	167566	168273
UN30369	Rsa1.0_02542.1	832	30326	0	832	832	100 -	1	832	14168	14999
UN30370	Rsa1.0_03503.1	880	22445	1.00E-174	310	310	100 -	1	310	21299	21608
UN30371	Rsa1.0_05358.1	984	14060	0	978	984	99 -	1	984	8262	9244
UN30372	Rsa1.0_00190.1	909	318240	1.00E-65	128	128	100 +	1	128	36680	36807
UN30373	Rsa1.0_02804.1	728	27712	1.00E-161	288	288	100 +	11	298	11688	11975
UN30374	Rsa1.0_07826.1	888	8466	0	879	889	98 +	1	888	6026	6913
UN30375	Rsa1.0_00082.1	1024	237584	0	458	458	100 -	131	588	26776	27233
UN30376	Rsa1.0_00074.1	882	147591	0	881	882	99 +	1	882	79381	80261
UN30377	Rsa1.0_00806.1	847	63674	0	847	848	99 +	1	847	34857	35704
UN30378	Rsa1.0_00010.1	855	294827	0	597	602	99 +	1	602	82880	83481
UN30379	Rsa1.0_01352.1	1189	47443	0	469	474	98 -	716	1189	16929	17402

UN30380	Rsa1.0_00253.1	1167	231292	0	977	1010	96 -	143	1146	199609	200615
UN30381	Rsa1.0_40732.1	1266	551	0	484	486	99 -	3	488	42	527
UN30382	Rsa1.0_02030.1	880	179909	0	867	877	98 -	4	880	28200	29076
UN30383	Rsa1.0_02872.1	1318	27080	0	662	664	99 -	653	1316	22161	22824
UN30384	Rsa1.0_00661.1	1344	213041	1.00E-170	304	304	100 -	1037	1340	200207	200510
UN30385	Rsa1.0_00950.1	912	58547	0	909	912	99 +	1	912	36944	37853
UN30386	#	#	#	#	#	#	#	#	#	#	#
UN30387	Rsa1.0_08065.1	849	7968	0	476	478	99 -	1	476	105	582
UN30388	Rsa1.0_01515.1	733	170864	0	709	732	96 -	2	733	151802	152533
UN30389	Rsa1.0_01223.1	874	50392	0	542	560	96 +	318	874	5078	5636
UN30390	Rsa1.0_01580.1	950	42852	0	948	951	99 +	1	950	17494	18444
UN30391	Rsa1.0_03955.1	860	19884	0	860	862	99 +	1	860	4637	5498
UN30392	Rsa1.0_00250.1	825	273771	0	352	353	99 -	1	352	257782	258134
UN30393	Rsa1.0_00476.1	858	280966	0	724	724	100 +	1	724	147099	147822
UN30394	Rsa1.0_03046.1	754	25784	1.00E-145	264	265	99 +	458	722	13643	13907
UN30395	Rsa1.0_00021.1	384	263655	0	384	384	100 +	1	384	148390	148773
UN30396	Rsa1.0_02766.1	1166	28128	0	381	399	95 -	768	1166	928	1326
UN30397	Rsa1.0_00009.1	786	232558	1.00E-132	324	355	91 +	31	385	58939	59269
UN30398	Rsa1.0_15471.1	1028	2586	0	458	458	100 +	450	907	926	1383
UN30399	Rsa1.0_01649.1	975	41624	1.00E-172	324	330	98 -	3	326	856	1185
UN30400	Rsa1.0_00042.1	1065	171507	0	553	567	97 +	497	1063	1718	2279
UN30401	Rsa1.0_03698.1	254	21302	1.00E-134	248	250	99 -	5	254	6108	6357
UN30402	Rsa1.0_56486.1	645	405	1.00E-107	197	197	100 +	31	227	65	261
UN30403	Rsa1.0_00369.1	868	266462	0	349	349	100 +	1	349	150785	151133
UN30404	Rsa1.0_00015.1	953	561803	0	919	941	97 -	13	953	212319	213259
UN30405	Rsa1.0_00352.1	904	92266	6.00E-18	90	104	86 -	391	494	41130	41233
UN30406	Rsa1.0_03678.1	595	21425	1.00E-173	308	308	100 +	288	595	3994	4301
UN30407	Rsa1.0_01355.1	782	47303	0	739	771	95 -	1	755	36826	37593
UN30408	Rsa1.0_00832.1	1048	62622	0	756	757	99 +	292	1048	21143	21899
UN30409	Rsa1.0_03174.1	888	24809	1.00E-178	320	321	99 -	568	888	2581	2901
UN30410	Rsa1.0_00002.1	844	601661	0	466	467	99 +	378	844	239105	239571
UN30411	Rsa1.0_02651.1	842	29046	1.00E-128	281	297	94 +	435	731	26898	27194
UN30412	Rsa1.0_10402.1	997	5859	0	996	998	99 +	1	997	4286	5282
UN30413	Rsa1.0_00409.1	729	146788	0	355	362	98 +	370	728	110864	111223
UN30414	Rsa1.0_06939.1	791	10137	0	787	792	99 +	1	791	5804	6595
UN30415	Rsa1.0_01803.1	1303	173846	0	649	672	96 -	1	663	147463	148130
UN30416	Rsa1.0_00414.1	1264	202190	0	916	962	95 +	312	1264	45829	46785
UN30417	#	#	#	#	#	#	#	#	#	#	#
UN30418	Rsa1.0_00179.1	905	393324	0	497	499	99 -	1	499	325106	325604

UN30419	Rsa1.0.00496.1	818	79834	8.00E-94	182	183	99 +	596	778	33766	33947
UN30420	Rsa1.0.00524.1	1233	169613	0	539	539	100 -	695	1233	159922	160460
UN30421	Rsa1.0.00259.1	819	163204	1.00E-21	85	94	90 +	206	298	149095	149188
UN30422	Rsa1.0.02331.1	836	32449	2.00E-67	131	131	100 +	91	221	8659	8789
UN30423	Rsa1.0.06619.1	1172	10650	0	348	354	98 -	543	896	9420	9773
UN30424	Rsa1.0.01674.1	782	168300	0	666	685	97 -	1	684	8103	8786
UN30425	Rsa1.0.00903.1	771	60228	1.00E-131	280	293	95 -	1	286	52193	52485
UN30426	Rsa1.0.25026.1	1596	955	0	646	664	97 +	95	758	1	656
UN30427	Rsa1.0.00693.1	834	161311	0	790	828	95 -	20	834	3033	3859
UN30428	Rsa1.0.01613.1	1316	182542	0	785	793	98 +	304	1092	11423	12215
UN30429	Rsa1.0.00675.1	1160	145590	1.00E-147	264	264	100 -	29	292	49098	49361
UN30430	Rsa1.0.46224.1	866	488	1.00E-131	241	242	99 +	625	866	1	242
UN30431	Rsa1.0.00290.1	881	225096	0	600	601	99 +	4	604	1614	2214
UN30432	Rsa1.0.00739.1	903	66155	0	347	348	99 +	56	403	16570	16917
UN30433	Rsa1.0.00486.1	933	80875	0	928	931	99 +	3	933	23493	24423
UN30434	Rsa1.0.00383.1	735	398431	0	725	728	99 +	8	735	253290	254017
UN30435	Rsa1.0.00408.1	876	176752	0	599	614	97 +	2	614	100632	101240
UN30436	Rsa1.0.05805.1	676	12585	0	673	674	99 -	3	676	1777	2450
UN30437	Rsa1.0.02345.1	616	32337	0	615	616	99 -	1	616	7041	7656
UN30438	Rsa1.0.40655.1	904	552	0	493	493	100 -	1	493	1	493
UN30439	Rsa1.0.00364.1	849	90951	0	701	716	97 +	1	714	23848	24560
UN30440	Rsa1.0.01070.1	740	55099	0	735	737	99 +	4	740	54332	55068
UN30441	Rsa1.0.65512.1	649	350	1.00E-153	278	279	99 +	1	279	72	350
UN30442	Rsa1.0.00806.1	1143	63674	0	392	392	100 +	27	418	1912	2303
UN30443	Rsa1.0.00115.1	523	131321	0	424	428	99 -	3	430	96309	96736
UN30444	Rsa1.0.01156.1	1270	52147	0	422	431	97 -	325	755	22205	22635
UN30445	Rsa1.0.02171.1	847	167557	0	526	534	98 -	314	847	11583	12116
UN30446	Rsa1.0.03593.1	1292	21869	0	1292	1292	100 +	1	1292	6343	7634
UN30447	Rsa1.0.01352.1	1457	47443	0	1407	1471	95 +	3	1457	44521	45991
UN30448	Rsa1.0.02269.1	798	33168	1.00E-174	310	310	100 +	3	312	151	460
UN30449	Rsa1.0.13542.1	1235	4742	5.00E-84	162	163	99 -	293	455	1	163
UN30450	Rsa1.0.01386.1	898	46765	1.00E-176	314	314	100 +	10	323	28436	28749
UN30451	Rsa1.0.03087.1	878	25478	0	710	724	98 -	155	878	18643	19366
UN30452	Rsa1.0.00252.1	847	102760	0	481	481	100 -	1	481	5402	5882
UN30453	Rsa1.0.30513.1	892	752	0	514	526	97 -	198	723	1	521
UN30454	Rsa1.0.01641.1	287	188213	1.00E-77	147	147	100 -	141	287	163548	163694
UN30455	Rsa1.0.01877.1	899	37789	0	863	899	95 -	1	899	32597	33495
UN30456	Rsa1.0.01687.1	829	40979	1.00E-134	243	243	100 -	295	537	35531	35773
UN30457	Rsa1.0.02209.1	1628	33873	0	613	618	99 +	1011	1628	17041	17658

UN30458	Rsa1.0_14242.1	1446	3627	0	1398	1429	97 -	1	1416	802	2229
UN30459	Rsa1.0_00002.1	892	601661	0	480	490	97 +	403	892	598922	599411
UN30460	Rsa1.0_00079.1	623	606987	0	592	592	100 +	1	592	188525	189116
UN30461	Rsa1.0_01890.1	603	37542	0	603	603	100 -	1	603	36008	36610
UN30462	Rsa1.0_00441.1	732	84607	0	715	727	98 -	9	732	18787	19513
UN30463	Rsa1.0_00827.1	1023	62790	0	670	676	99 +	1	676	37343	38018
UN30464	Rsa1.0_00489.1	897	80434	0	610	610	100 +	1	610	34882	35491
UN30465	Rsa1.0_00160.1	734	346678	0	430	430	100 +	1	430	316926	317355
UN30466	Rsa1.0_24577.1	876	979	2.00E-14	42	42	100 -	485	526	397	438
UN30467	Rsa1.0_07909.1	529	8315	0	504	507	99 -	1	506	1	507
UN30468	Rsa1.0_08460.1	811	7315	0	342	342	100 -	300	641	4502	4843
UN30469	Rsa1.0_04396.1	936	17561	0	513	528	97 -	409	936	4233	4759
UN30470	#	#	#	#	#	#	#	#	#	#	#
UN30471	Rsa1.0_00236.1	901	104771	0	767	780	98 +	122	901	7614	8393
UN30472	Rsa1.0_02528.1	880	30452	1.00E-166	336	349	96 -	225	573	29188	29536
UN30473	Rsa1.0_06503.1	870	10881	0	591	591	100 +	1	591	583	1173
UN30474	Rsa1.0_00495.1	275	79934	1.00E-148	268	269	99 -	1	269	74113	74381
UN30475	Rsa1.0_00354.1	826	232005	0	822	827	99 +	1	826	12055	12881
UN30476	Rsa1.0_02282.1	883	163951	0	836	839	99 -	45	883	136617	137455
UN30477	Rsa1.0_04540.1	819	16934	0	495	532	93 +	278	808	16097	16628
UN30478	Rsa1.0_69356.1	544	330	1.00E-168	325	331	98 -	211	540	1	330
UN30479	Rsa1.0_01270.1	822	49574	0	812	813	99 +	10	822	37784	38595
UN30480	Rsa1.0_00183.1	889	113277	0	888	889	99 -	1	889	108749	109637
UN30481	Rsa1.0_00215.1	209	201775	1.00E-114	209	209	100 +	1	209	149883	150091
UN30482	Rsa1.0_00315.1	959	96426	0	932	970	96 -	1	959	4898	5867
UN30483	Rsa1.0_00008.1	896	358124	0	525	534	98 -	1	532	331942	332470
UN30484	Rsa1.0_00002.1	1310	601661	0	711	766	92 -	551	1310	182893	183643
UN30485	Rsa1.0_00247.1	837	103408	0	834	836	99 -	2	837	77898	78733
UN30486	Rsa1.0_24638.1	989	975	0	712	733	97 -	1	733	1	733
UN30487	Rsa1.0_00234.1	889	197060	0	885	885	100 -	5	889	65501	66385
UN30488	#	#	#	#	#	#	#	#	#	#	#
UN30489	Rsa1.0_00200.1	1082	162016	0	720	722	99 -	1	722	55564	56285
UN30490	Rsa1.0_00664.1	863	69573	0	429	436	98 +	1	436	48225	48660
UN30491	Rsa1.0_13660.1	499	4542	1.00E-175	311	311	100 -	1	311	3461	3771
UN30492	Rsa1.0_00620.1	441	71985	0	441	441	100 -	1	441	10322	10762
UN30493	Rsa1.0_01865.1	303	37992	1.00E-170	303	303	100 +	1	303	13771	14073
UN30494	Rsa1.0_13861.1	830	4189	1.00E-145	261	261	100 -	290	550	502	762
UN30495	Rsa1.0_00387.1	525	495407	0	489	489	100 +	1	489	338987	339475
UN30496	Rsa1.0_00011.1	905	225044	0	858	907	94 +	1	905	48233	49123

UN30497	Rsa1.0.07592.1	1175	9059	2.00E-98	201	207	97 +	901	1107	124	330
UN30498	Rsa1.0.01857.1	829	38103	0	701	707	99 +	3	709	28952	29658
UN30499	Rsa1.0.00076.1	680	146021	0	649	670	96 -	12	680	87512	88172
UN30500	Rsa1.0.62395.1	593	368	1.00E-166	300	301	99 -	293	593	66	366
UN30501	Rsa1.0.00161.1	722	116891	1.00E-107	197	197	100 +	411	607	74443	74639
UN30502	Rsa1.0.00218.1	945	201480	0	785	822	95 +	117	935	21366	22175
UN30503	Rsa1.0.00051.1	838	258225	0	625	646	96 -	196	838	121031	121675
UN30504	Rsa1.0.02797.1	508	27800	0	503	504	99 +	3	505	8297	8800
UN30505	Rsa1.0.00351.1	1031	413096	0	1030	1031	99 -	1	1031	247169	248198
UN30506	Rsa1.0.01409.1	834	151595	0	359	359	100 +	189	547	116100	116458
UN30507	Rsa1.0.00051.1	863	258225	8.00E-82	300	343	87 +	275	599	60850	61181
UN30508	Rsa1.0.00694.1	882	68074	0	384	387	99 +	496	882	29005	29390
UN30509	Rsa1.0.12468.1	1297	5217	1.00E-173	337	345	97 +	828	1172	1	344
UN30510	Rsa1.0.62546.1	874	367	1.00E-102	195	197	98 -	678	874	168	364
UN30511	Rsa1.0.00435.1	865	317579	0	381	387	98 -	1	383	66819	67205
UN30512	Rsa1.0.01138.1	541	190615	2.00E-96	285	318	89 +	4	318	30297	30594
UN30513	Rsa1.0.00006.1	144	396176	4.00E-76	144	144	100 +	1	144	277316	277459
UN30514	Rsa1.0.02143.1	847	34632	1.00E-148	266	266	100 +	426	691	1679	1944
UN30515	Rsa1.0.01508.1	632	44334	0	401	414	96 -	35	448	37681	38092
UN30516	Rsa1.0.00522.1	1026	78103	1.00E-157	300	306	98 -	700	1005	67053	67358
UN30517	Rsa1.0.06392.1	653	11104	0	424	425	99 -	1	425	131	555
UN30518	Rsa1.0.00060.1	879	502678	0	830	901	92 -	1	879	43613	44500
UN30519	Rsa1.0.00013.1	652	292129	0	639	652	98 -	1	651	120158	120809
UN30520	Rsa1.0.00564.1	844	75428	0	472	487	96 -	358	844	11004	11490
UN30521	Rsa1.0.01472.1	835	45099	0	835	835	100 -	1	835	11631	12465
UN30522	Rsa1.0.01121.1	153	53407	2.00E-78	148	148	100 -	6	153	27350	27497
UN30523	Rsa1.0.01236.1	863	50156	0	770	782	98 +	71	849	15624	16402
UN30524	Rsa1.0.05813.1	815	12569	0	763	765	99 +	53	815	3375	4139
UN30525	Rsa1.0.01266.1	835	49680	0	835	835	100 +	1	835	5615	6449
UN30526	Rsa1.0.01026.1	864	171624	0	486	495	98 +	373	864	477	971
UN30527	Rsa1.0.01029.1	1219	256254	0	438	458	95 +	4	461	237966	238414
UN30528	Rsa1.0.03011.1	877	26048	0	877	878	99 -	1	877	12710	13587
UN30529	Rsa1.0.38718.1	727	581	0	580	581	99 -	143	723	1	581
UN30530	Rsa1.0.00673.1	992	69325	1.00E-116	381	438	86 +	1	411	56936	57372
UN30531	Rsa1.0.18170.1	768	1653	0	432	434	99 +	3	436	1220	1653
UN30532	Rsa1.0.01609.1	487	42280	0	487	488	99 +	1	487	7513	8000
UN30533	Rsa1.0.00520.1	701	78226	1.00E-119	236	242	97 +	107	348	36848	37089
UN30534	Rsa1.0.00344.1	378	191774	0	378	378	100 -	1	378	163791	164168
UN30535	Rsa1.0.15497.1	918	2573	1.00E-171	308	309	99 +	610	918	1529	1837

UN30536	Rsa1.0_01209.1	826	50668	1.00E-102	199	202	98 -	433	634	42458	42659
UN30537	Rsa1.0_00092.1	645	659932	1.00E-106	196	196	100 +	450	645	183545	183740
UN30538	Rsa1.0_00594.1	901	73729	0	724	724	100 -	178	901	45498	46221
UN30539	Rsa1.0_30628.1	880	749	0	741	749	98 +	117	865	1	749
UN30540	#	#	#	#	#	#	#	#	#	#	#
UN30541	Rsa1.0_02839.1	794	27391	0	791	794	99 -	1	794	16357	17150
UN30542	Rsa1.0_00329.1	841	222544	0	343	343	100 +	220	562	25847	26189
UN30543	Rsa1.0_02046.1	842	162733	0	825	843	97 -	13	842	159042	159884
UN30544	Rsa1.0_00363.1	894	90968	1.00E-113	207	207	100 +	1	207	39753	39959
UN30545	Rsa1.0_07073.1	1512	9944	0	537	555	96 +	841	1395	41	595
UN30546	Rsa1.0_06596.1	152	10699	2.00E-75	143	143	100 -	10	152	8739	8881
UN30547	Rsa1.0_33623.1	670	674	1.00E-159	291	293	99 +	378	670	24	316
UN30548	Rsa1.0_01888.1	1263	37563	0	343	344	99 +	2	345	32793	33136
UN30549	Rsa1.0_04221.1	688	18414	0	688	688	100 -	1	688	17382	18069
UN30550	Rsa1.0_00116.1	862	365886	0	590	590	100 +	273	862	206775	207364
UN30551	Rsa1.0_00212.1	457	108350	0	455	476	95 -	3	457	32836	33311
UN30552	Rsa1.0_00124.1	971	262503	6.00E-83	170	173	98 +	16	187	93872	94044
UN30553	Rsa1.0_02575.1	903	29944	0	462	477	96 +	433	903	2668	3144
UN30554	Rsa1.0_02644.1	820	29176	0	819	820	99 +	1	820	7937	8756
UN30555	Rsa1.0_40889.1	426	549	0	414	416	99 -	1	416	53	468
UN30556	Rsa1.0_00947.1	561	58664	0	561	561	100 -	1	561	21256	21816
UN30557	Rsa1.0_00476.1	1595	280966	0	560	560	100 -	1036	1595	1456	2015
UN30558	Rsa1.0_00039.1	678	296927	0	519	529	98 +	4	532	75473	75994
UN30559	Rsa1.0_07973.1	848	8149	0	448	476	94 +	377	848	7132	7598
UN30560	Rsa1.0_01059.1	1196	55410	0	1160	1196	96 +	1	1196	28276	29458
UN30561	Rsa1.0_00273.1	1288	326186	0	783	796	98 -	497	1288	6245	7040
UN30562	Rsa1.0_03242.1	727	24415	1.00E-168	306	308	99 -	420	727	15758	16065
UN30563	Rsa1.0_01526.1	1003	43919	0	635	637	99 +	6	642	20161	20797
UN30564	Rsa1.0_08664.1	922	7064	0	543	551	98 -	1	551	1	551
UN30565	Rsa1.0_00960.1	1180	58199	0	413	413	100 +	3	415	30631	31043
UN30566	Rsa1.0_00690.1	922	140527	0	906	928	97 +	3	922	20266	21192
UN30567	Rsa1.0_03751.1	276	21025	1.00E-62	131	134	97 +	109	242	13490	13623
UN30568	Rsa1.0_04285.1	883	18085	0	468	470	99 +	414	883	4173	4642
UN30569	Rsa1.0_34769.1	866	651	1.00E-137	260	264	98 +	169	432	149	412
UN30570	Rsa1.0_02494.1	681	132923	0	331	332	99 -	3	334	112658	112989
UN30571	Rsa1.0_00962.1	873	184909	1.00E-138	249	249	100 +	625	873	24282	24530
UN30572	Rsa1.0_31998.1	711	713	0	413	414	99 +	298	711	1	414
UN30573	Rsa1.0_01289.1	1100	49181	0	848	894	94 -	208	1100	19501	20392
UN30574	Rsa1.0_01276.1	883	49384	0	811	812	99 +	72	883	8269	9080

UN30575	Rsa1.0_18395.1	880	1607	0	518	524	98 +	1	523	1087	1607
UN30576	Rsa1.0_00160.1	834	346678	0	833	834	99 -	1	834	18873	19706
UN30577	Rsa1.0_00734.1	976	66508	0	874	879	99 -	1	878	2991	3869
UN30578	Rsa1.0_00201.1	743	232851	0	412	428	96 +	315	742	86851	87278
UN30579	Rsa1.0_02173.1	475	34318	0	420	420	100 -	56	475	23959	24378
UN30580	Rsa1.0_02100.1	1412	35024	0	1279	1279	100 +	132	1410	29818	31096
UN30581	Rsa1.0_01182.1	617	167304	0	335	336	99 +	283	617	135429	135764
UN30582	#	#	#	#	#	#	#	#	#	#	#
UN30583	Rsa1.0_05393.1	885	13919	0	394	406	97 +	480	885	5123	5528
UN30584	Rsa1.0_00033.1	126	515811	2.00E-59	119	120	99 -	1	120	40363	40482
UN30585	Rsa1.0_01292.1	884	175783	0	548	561	97 -	8	568	150921	151481
UN30586	Rsa1.0_04288.1	460	18077	0	460	460	100 -	1	460	16319	16778
UN30587	Rsa1.0_00595.1	1463	341648	0	691	724	95 -	744	1461	193477	194186
UN30588	Rsa1.0_00304.1	741	97429	0	722	733	98 +	11	741	64477	65209
UN30589	Rsa1.0_00008.1	750	358124	0	661	662	99 +	3	664	65933	66594
UN30590	Rsa1.0_02120.1	903	34819	0	566	574	98 -	322	895	30796	31369
UN30591	Rsa1.0_00706.1	834	291570	0	813	840	96 -	1	834	7624	8460
UN30592	Rsa1.0_02505.1	669	30703	0	539	570	94 -	114	669	6232	6799
UN30593	Rsa1.0_04616.1	1096	16627	1.00E-162	317	326	97 +	637	962	4890	5215
UN30594	Rsa1.0_02024.1	977	149168	0	487	488	99 -	38	525	129205	129692
UN30595	Rsa1.0_71815.1	963	319	1.00E-172	316	319	99 -	548	866	1	319
UN30596	Rsa1.0_07536.1	505	9178	0	499	502	99 +	3	504	4550	5049
UN30597	Rsa1.0_01195.1	1482	147988	0	1303	1323	98 +	134	1454	19918	21236
UN30598	Rsa1.0_01362.1	861	47217	0	747	748	99 +	114	861	36648	37395
UN30599	Rsa1.0_00360.1	918	91190	0	828	841	98 +	2	842	67993	68830
UN30600	Rsa1.0_00135.1	939	178077	0	343	343	100 +	597	939	73536	73878
UN30601	Rsa1.0_01420.1	392	46210	2.00E-59	165	177	93 +	218	392	39918	40093
UN30602	Rsa1.0_00188.1	666	112020	0	666	666	100 -	1	666	102203	102868
UN30603	Rsa1.0_01622.1	803	42071	0	802	803	99 -	1	803	3833	4635
UN30604	Rsa1.0_00007.1	733	239325	0	729	732	99 +	2	733	111530	112261
UN30605	Rsa1.0_03996.1	845	19654	0	536	536	100 -	1	536	3155	3690
UN30606	Rsa1.0_09174.1	502	6580	4.00E-33	103	112	91 +	91	200	3612	3723
UN30607	Rsa1.0_17216.1	1050	1890	0	603	610	98 -	1	609	1	610
UN30608	Rsa1.0_01917.1	976	37303	0	975	976	99 -	1	976	33126	34101
UN30609	Rsa1.0_09394.1	666	6399	0	665	665	100 +	2	666	5091	5755
UN30610	Rsa1.0_01821.1	890	38798	0	730	761	95 -	3	762	37439	38199
UN30611	Rsa1.0_00797.1	877	63959	0	876	877	99 +	1	877	24027	24903
UN30612	Rsa1.0_01515.1	1082	170864	0	1077	1081	99 -	2	1082	126781	127861
UN30613	Rsa1.0_00160.1	927	346678	0	925	925	100 +	3	927	20653	21577

UN30614	#	#	#	#	#	#	#	#	#	#	#	#
UN30615	Rsa1.0_01725.1	877	40290	0	624	626	99 +	252	877	1219	1844	
UN30616	Rsa1.0_04989.1	1100	15217	0	644	645	99 +	456	1100	8440	9084	
UN30617	Rsa1.0_04924.1	879	15426	1.00E-172	316	319	99 +	1	319	14119	14437	
UN30618	Rsa1.0_01032.1	901	56189	0	567	568	99 +	4	570	22650	23217	
UN30619	Rsa1.0_07809.1	669	8503	0	660	662	99 +	3	664	1003	1664	
UN30620	Rsa1.0_13438.1	595	4828	0	591	595	99 -	1	595	3304	3897	
UN30621	Rsa1.0_12875.1	962	5091	0	465	465	100 +	311	775	4627	5091	
UN30622	Rsa1.0_00655.1	645	195840	0	382	402	95 -	264	645	131199	131600	
UN30623	Rsa1.0_07588.1	800	9070	0	799	800	99 -	1	800	5085	5884	
UN30624	Rsa1.0_00840.1	1041	62514	0	639	651	98 +	389	1039	10347	10996	
UN30625	Rsa1.0_03541.1	1135	22194	3.00E-20	134	157	85 +	954	1107	6210	6362	
UN30626	Rsa1.0_00662.1	1246	192183	0	518	531	97 +	509	1039	180815	181345	
UN30627	Rsa1.0_00487.1	598	80674	0	597	598	99 +	1	598	25430	26026	
UN30628	Rsa1.0_05233.1	783	14422	0	780	782	99 +	3	783	6314	7095	
UN30629	Rsa1.0_01626.1	915	41989	0	749	751	99 -	165	915	28230	28979	
UN30630	Rsa1.0_00089.1	904	406142	1.00E-160	287	287	100 -	1	287	360701	360987	
UN30631	Rsa1.0_02449.1	835	31292	0	357	358	99 -	1	358	23393	23750	
UN30632	Rsa1.0_01257.1	273	49766	1.00E-150	272	273	99 +	1	273	27143	27415	
UN30633	Rsa1.0_00419.1	1260	86562	0	648	648	100 +	219	866	77469	78116	
UN30634	Rsa1.0_00356.1	854	91521	0	854	854	100 -	1	854	90661	91514	
UN30635	Rsa1.0_00167.1	811	116000	0	810	811	99 +	1	811	28307	29116	
UN30636	Rsa1.0_00431.1	906	85391	0	892	909	98 +	3	906	53199	54104	
UN30637	Rsa1.0_00970.1	1372	57994	0	709	711	99 +	269	979	52516	53226	
UN30638	Rsa1.0_04525.1	893	16965	0	597	597	100 +	1	597	6446	7042	
UN30639	Rsa1.0_01290.1	1465	49179	1.00E-137	249	249	100 -	598	846	7547	7795	
UN30640	Rsa1.0_05204.1	1192	14516	0	1154	1206	95 -	1	1191	12735	13937	
UN30641	Rsa1.0_00098.1	723	349239	0	361	361	100 +	353	713	250875	251235	
UN30642	Rsa1.0_04854.1	783	131560	0	367	367	100 +	417	783	15144	15510	
UN30643	Rsa1.0_11952.1	694	5362	1.00E-166	306	308	99 +	1	308	206	512	
UN30644	Rsa1.0_02334.1	872	32428	0	692	692	100 -	1	692	1822	2513	
UN30645	Rsa1.0_00142.1	784	121474	1.00E-180	344	352	97 -	2	353	90981	91332	
UN30646	Rsa1.0_08259.1	845	7641	0	501	516	97 +	334	841	78	593	
UN30647	Rsa1.0_01766.1	827	39617	1.00E-157	357	386	92 +	415	780	26519	26902	
UN30648	Rsa1.0_13484.1	874	4782	1.00E-86	163	163	100 -	209	371	1	163	
UN30649	Rsa1.0_00586.1	536	163802	0	465	490	94 +	40	527	119194	119683	
UN30650	Rsa1.0_00214.1	1227	107508	2.33E-156	288	296	97 -	189	484	41899	42194	
UN30651	Rsa1.0_00821.1	838	62891	0	838	838	100 +	1	838	40015	40852	
UN30652	Rsa1.0_00804.1	1259	63726	0	414	414	100 +	846	1259	43890	44303	

UN30653	Rsa1.0_01854.1	885	38237	0	689	727	94 -	4	718	8879	9600
UN30654	Rsa1.0_00135.1	856	178077	0	455	456	99 -	7	462	68959	69414
UN30655	Rsa1.0_01717.1	777	143162	0	551	558	98 -	1	555	29473	30030
UN30656	Rsa1.0_01707.1	293	40686	1.00E-161	288	288	100 -	6	293	457	744
UN30657	Rsa1.0_00938.1	527	193891	1.00E-48	186	215	86 +	129	343	180106	180320
UN30658	Rsa1.0_01261.1	517	49744	0	324	324	100 +	194	517	46414	46737
UN30659	Rsa1.0_00892.1	1514	60703	0	608	630	96 -	813	1441	19902	20526
UN30660	Rsa1.0_00556.1	874	207212	0	448	462	96 +	6	466	10344	10803
UN30661	Rsa1.0_00450.1	880	139397	0	660	680	97 -	1	677	124390	125060
UN30662	Rsa1.0_00678.1	871	193163	0	836	877	95 +	1	871	5061	5931
UN30663	Rsa1.0_00086.1	868	439854	0	867	868	99 -	1	868	310525	311392
UN30664	Rsa1.0_00710.1	1215	67325	0	1006	1015	99 -	1	1015	43441	44455
UN30665	Rsa1.0_00699.1	916	184398	0	916	916	100 -	1	916	173594	174509
UN30666	Rsa1.0_00369.1	891	266462	1.00E-106	238	252	94 +	194	445	203365	203616
UN30667	Rsa1.0_02533.1	896	30399	0	420	421	99 -	2	422	14100	14520
UN30668	Rsa1.0_00089.1	1332	406142	0	515	516	99 +	424	939	353333	353848
UN30669	Rsa1.0_00159.1	798	431686	0	796	796	100 -	3	798	31420	32215
UN30670	Rsa1.0_02321.1	828	32572	0	828	829	99 +	1	828	17398	18226
UN30671	Rsa1.0_00387.1	965	495407	0	852	863	98 +	1	861	89588	90450
UN30672	Rsa1.0_01909.1	874	37417	0	870	872	99 +	3	874	26312	27183
UN30673	#	#	#	#	#	#	#	#	#	#	#
UN30674	Rsa1.0_00829.1	939	158305	0	357	357	100 -	578	934	108304	108660
UN30675	Rsa1.0_00224.1	870	327530	1.00E-104	192	192	100 +	597	788	60214	60405
UN30676	Rsa1.0_35572.1	567	636	1.00E-172	306	306	100 +	262	567	242	547
UN30677	Rsa1.0_03029.1	951	25858	2.00E-67	146	151	96 +	204	354	12670	12820
UN30678	Rsa1.0_00017.1	1163	752458	0	542	590	91 +	601	1163	63213	63797
UN30679	Rsa1.0_00124.1	1342	262503	0	414	414	100 +	929	1342	19648	20061
UN30680	Rsa1.0_01316.1	786	48325	0	426	426	100 +	361	786	42403	42828
UN30681	Rsa1.0_01836.1	1059	38503	0	1057	1058	99 +	1	1057	28612	29669
UN30682	#	#	#	#	#	#	#	#	#	#	#
UN30683	Rsa1.0_00293.1	881	339294	0	394	395	99 +	167	561	311218	311612
UN30684	Rsa1.0_00253.1	716	231292	0	713	716	99 +	1	714	37287	38002
UN30685	Rsa1.0_00460.1	873	206387	0	822	845	97 -	29	873	56734	57578
UN30686	Rsa1.0_01865.1	777	37992	1.00E-172	307	307	100 +	5	311	7096	7402
UN30687	Rsa1.0_00177.1	820	143394	1.00E-173	314	316	99 +	1	316	41301	41616
UN30688	Rsa1.0_00863.1	725	254535	1.00E-119	269	283	95 -	212	488	246432	246714
UN30689	Rsa1.0_00422.1	1011	86144	0	971	1024	94 +	1	1011	19168	20182
UN30690	Rsa1.0_00011.1	847	225044	0	756	756	100 +	92	847	168895	169650
UN30691	Rsa1.0_00136.1	887	122464	0	557	557	100 -	331	887	65352	65908

UN30692	Rsa1.0_04970.1	522	15277	0	513	514	99 +		1	514	10603	11116
UN30693	#	#	#	#	#	#	#	#	#	#	#	#
UN30694	Rsa1.0_04344.1	888	17822	0	408	408	100 -		4	411	16034	16441
UN30695	Rsa1.0_03127.1	908	25191	0	900	908	99 +		1	908	21617	22524
UN30696	Rsa1.0_00414.1	753	202190	0	582	609	95 +		145	753	181977	182585
UN30697	Rsa1.0_00124.1	1276	262503	0	1129	1155	97 +		6	1153	72735	73888
UN30698	Rsa1.0_00123.1	882	325650	0	510	511	99 +		5	515	208290	208800
UN30699	#	#	#	#	#	#	#	#	#	#	#	#
UN30700	Rsa1.0_03594.1	893	21868	0	572	582	98 -		1	582	18686	19266
UN30701	Rsa1.0_30409.1	1357	754	0	410	410	100 -		948	1357	345	754
UN30702	Rsa1.0_00527.1	1079	77733	0	745	818	91 +		139	943	62479	63293
UN30703	Rsa1.0_07874.1	1125	8375	0	362	365	99 -		759	1123	6129	6493
UN30704	Rsa1.0_00347.1	496	93048	1.00E-168	337	348	96 -		155	496	14611	14958
UN30705	Rsa1.0_03019.1	804	25987	9.00E-63	126	127	99 -		205	331	6631	6757
UN30706	Rsa1.0_20352.1	593	1314	4.00E-58	128	131	97 -		441	570	1184	1314
UN30707	Rsa1.0_00962.1	968	184909	0	962	968	99 +		1	968	41037	42004
UN30708	Rsa1.0_03834.1	1353	20572	0	876	893	98 +		449	1341	12302	13191
UN30709	Rsa1.0_00566.1	834	75325	1.00E-103	212	219	96 -		2	220	5832	6050
UN30710	Rsa1.0_08933.1	490	6772	0	452	490	92 +		2	482	4722	5205
UN30711	Rsa1.0_01045.1	1072	55853	0	609	611	99 -		1	611	54343	54953
UN30712	Rsa1.0_00576.1	647	178949	0	638	648	98 -		2	647	157357	158004
UN30713	Rsa1.0_00092.1	801	659932	1.00E-145	268	270	99 +		488	757	33604	33873
UN30714	Rsa1.0_00803.1	796	144228	0	755	792	95 -		1	792	58938	59723
UN30715	Rsa1.0_00752.1	924	65756	1.00E-180	377	396	95 -		3	398	42490	42885
UN30716	Rsa1.0_03898.1	974	20183	0	491	508	96 -		466	973	9932	10436
UN30717	Rsa1.0_05226.1	510	14438	0	506	522	96 +		1	510	10730	11251
UN30718	Rsa1.0_05903.1	1027	12280	0	598	600	99 -		428	1027	790	1389
UN30719	Rsa1.0_02544.1	704	30290	0	356	363	98 +		3	365	21679	22041
UN30720	Rsa1.0_00270.1	454	101236	0	451	453	99 +		3	454	67169	67621
UN30721	Rsa1.0_02246.1	422	33435	0	418	421	99 +		1	420	24844	25264
UN30722	Rsa1.0_09023.1	600	6703	0	581	581	100 -		3	583	5864	6444
UN30723	Rsa1.0_00451.1	1057	322533	0	753	755	99 -		3	757	141917	142671
UN30724	Rsa1.0_00775.1	845	64793	0	456	456	100 +		3	458	54993	55448
UN30725	Rsa1.0_10012.1	718	6039	0	677	711	95 -		21	718	5250	5959
UN30726	Rsa1.0_02249.1	841	33412	0	834	839	99 +		3	841	11992	12826
UN30727	Rsa1.0_00680.1	525	68969	0	521	521	100 -		3	523	36984	37504
UN30728	Rsa1.0_01980.1	1131	36544	0	1119	1130	99 +		2	1131	22091	23220
UN30729	Rsa1.0_02784.1	1159	27881	0	350	352	99 -		807	1158	22168	22519
UN30730	Rsa1.0_00079.1	663	606987	0	613	682	89 +		3	663	100569	101228

UN30731	Rsa1.0_00221.1	1116	106972	0	1106	1114	99 +	2	1115	44915	46028
UN30732	Rsa1.0_10449.1	274	5847	1.00E-134	268	274	97 +	1	274	4064	4335
UN30733	Rsa1.0_00150.1	758	154416	0	745	767	97 -	3	758	63421	64187
UN30734	Rsa1.0_00884.1	1023	61150	5.00E-99	228	244	93 +	65	308	13042	13276
UN30735	Rsa1.0_01263.1	517	49703	0	514	515	99 -	3	517	16986	17500
UN30736	Rsa1.0_00197.1	1107	109714	1.00E-172	336	346	97 +	519	864	32757	33102
UN30737	Rsa1.0_01119.1	944	53459	0	482	495	97 +	452	944	52162	52655
UN30738	Rsa1.0_00906.1	631	178966	0	364	365	99 -	1	365	137934	138298
UN30739	Rsa1.0_01561.1	931	43227	0	462	484	95 -	2	478	34878	35358
UN30740	Rsa1.0_00350.1	641	92346	0	570	572	99 -	70	641	60541	61112
UN30741	Rsa1.0_01191.1	1193	51235	0	486	486	100 -	299	784	8101	8586
UN30742	Rsa1.0_01714.1	805	40490	0	380	384	98 +	3	386	13787	14168
UN30743	Rsa1.0_00397.1	405	88189	1.00E-117	226	230	98 -	129	358	80282	80511
UN30744	Rsa1.0_02730.1	1128	28385	0	500	501	99 +	239	739	391	891
UN30745	Rsa1.0_01530.1	1109	43820	1.00E-163	389	416	93 +	54	467	17742	18151
UN30746	Rsa1.0_01524.1	749	43949	1.00E-132	243	244	99 -	344	587	43705	43948
UN30747	Rsa1.0_02180.1	682	34176	0	554	567	97 -	116	682	9391	9957
UN30748	Rsa1.0_00257.1	1109	102407	0	533	537	99 -	344	879	87541	88077
UN30749	Rsa1.0_00377.1	729	90038	0	592	606	97 -	1	600	69275	69880
UN30750	Rsa1.0_04794.1	530	15960	0	524	528	99 -	3	530	9913	10439
UN30751	Rsa1.0_14621.1	763	3222	0	717	737	97 +	14	750	241	977
UN30752	Rsa1.0_00236.1	800	104771	0	473	494	95 -	3	495	73950	74434
UN30753	Rsa1.0_62057.1	885	369	0	365	369	98 +	283	651	1	369
UN30754	Rsa1.0_05867.1	1038	12375	0	1007	1056	95 -	2	1036	10456	11510
UN30755	Rsa1.0_07999.1	788	8102	0	430	442	97 +	179	620	3639	4080
UN30756	Rsa1.0_00129.1	1061	126831	0	421	429	98 +	634	1061	49407	49834
UN30757	Rsa1.0_00336.1	409	445051	1.00E-154	389	419	92 +	3	409	277280	277694
UN30758	Rsa1.0_05861.1	973	12391	0	563	628	89 +	355	971	10410	11029
UN30759	Rsa1.0_00198.1	874	222963	0	686	692	99 +	1	692	8669	9360
UN30760	Rsa1.0_00303.1	1159	97468	0	671	691	97 -	2	692	6848	7538
UN30761	Rsa1.0_05480.1	585	13603	0	505	525	96 +	57	579	10430	10954
UN30762	Rsa1.0_04561.1	1003	16849	0	508	536	94 -	466	1001	1721	2253
UN30763	Rsa1.0_00239.1	1076	104332	0	585	600	97 -	1	600	4264	4863
UN30764	Rsa1.0_00111.1	1123	390088	0	839	843	99 +	279	1121	363797	364639
UN30765	Rsa1.0_00007.1	804	239325	1.00E-147	352	376	93 -	422	794	16310	16684
UN30766	Rsa1.0_01110.1	632	195852	0	384	400	96 +	235	632	16834	17233
UN30767	Rsa1.0_00919.1	464	59675	3.00E-98	215	226	95 -	238	463	33437	33662
UN30768	Rsa1.0_02269.1	783	33168	8.00E-60	124	126	98 -	370	495	15955	16080
UN30769	Rsa1.0_35888.1	667	630	1.00E-122	225	226	99 -	383	608	206	431

UN30770	Rsa1.0.00165.1	756	116466	0	386	397	97 +	362	756	41098	41494
UN30771	Rsa1.0.00219.1	667	106983	0	657	668	98 +	1	662	50211	50878
UN30772	Rsa1.0.00589.1	818	209965	0	674	678	99 -	78	752	181217	181894
UN30773	Rsa1.0.01170.1	1277	161131	0	1242	1263	98 +	3	1265	115816	117075
UN30774	Rsa1.0.02281.1	783	292576	0	778	785	99 -	2	783	155702	156485
UN30775	Rsa1.0.02222.1	987	152798	1.00E-144	260	260	100 +	727	986	148326	148585
UN30776	Rsa1.0.06965.1	1107	10099	0	427	435	98 -	564	998	4252	4685
UN30777	Rsa1.0.01196.1	933	51097	0	475	480	98 +	456	932	14696	15175
UN30778	Rsa1.0.03453.1	808	22810	0	503	503	100 -	304	806	6776	7278
UN30779	Rsa1.0.05412.1	642	13836	0	362	365	99 +	3	367	7403	7767
UN30780	Rsa1.0.00513.1	1216	78579	0	479	489	97 -	731	1216	73230	73717
UN30781	Rsa1.0.02750.1	655	28239	0	391	400	97 -	157	556	20935	21334
UN30782	Rsa1.0.04686.1	746	16396	0	742	744	99 +	3	744	7276	8019
UN30783	Rsa1.0.00873.1	672	61459	1.00E-117	248	258	96 -	30	287	40819	41075
UN30784	Rsa1.0.02854.1	690	27274	8.00E-26	79	85	92 -	202	286	5567	5651
UN30785	Rsa1.0.16924.1	454	1989	2.00E-78	149	149	100 +	306	454	1067	1215
UN30786	Rsa1.0.00071.1	966	345714	0	422	432	97 +	536	966	31690	32119
UN30787	Rsa1.0.08429.1	763	7370	1.00E-123	230	232	99 +	92	323	2892	3123
UN30788	Rsa1.0.00167.1	829	116000	0	675	711	94 -	119	829	95026	95734
UN30789	Rsa1.0.00938.1	548	193891	1.00E-177	317	318	99 +	208	525	46381	46698
UN30790	Rsa1.0.59294.1	1233	386	1.00E-133	245	246	99 +	297	542	141	386
UN30791	Rsa1.0.03434.1	535	22960	0	358	365	98 -	171	535	10064	10427
UN30792	Rsa1.0.07981.1	648	8132	1.00E-113	223	228	97 -	3	230	3939	4166
UN30793	Rsa1.0.00191.1	323	316976	3.00E-94	215	229	93 +	94	322	33938	34159
UN30794	Rsa1.0.14690.1	1191	3155	0	1186	1191	99 +	1	1191	543	1733
UN30795	Rsa1.0.00148.1	1049	120234	0	1045	1048	99 -	1	1048	117532	118579
UN30796	Rsa1.0.00387.1	761	495407	1.00E-147	357	389	91 +	46	425	358361	358749
UN30797	Rsa1.0.01088.1	1199	54416	0	483	485	99 +	2	486	6911	7395
UN30798	Rsa1.0.00804.1	685	63726	0	412	420	98 -	1	420	46215	46634
UN30799	Rsa1.0.35238.1	631	642	1.00E-103	252	273	92 -	341	611	80	342
UN30800	Rsa1.0.02521.1	810	30562	1.00E-103	201	203	99 -	608	810	6591	6792
UN30801	Rsa1.0.08111.1	964	7888	1.00E-62	123	123	100 -	639	761	245	367
UN30802	Rsa1.0.00067.1	401	415055	0	390	405	96 -	2	400	58946	59350
UN30803	Rsa1.0.00160.1	690	346678	1.00E-119	218	218	100 -	3	220	189148	189365
UN30804	Rsa1.0.01110.1	1060	195852	0	1053	1057	99 -	2	1058	29158	30214
UN30805	Rsa1.0.03439.1	1119	22930	1.00E-169	330	339	97 +	3	333	16684	17021
UN30806	Rsa1.0.04607.1	1199	16662	0	980	1001	97 -	3	1002	6513	7507
UN30807	Rsa1.0.01005.1	1305	56967	0	520	520	100 -	387	906	23530	24049
UN30808	Rsa1.0.20488.1	875	1300	8.00E-85	169	172	98 -	235	406	1003	1174

UN30809	Rsa1.0.05282.1	1010	14270	0	1005	1008	99 +	3	1010	10479	11486
UN30810	Rsa1.0.00537.1	1041	186980	0	493	495	99 +	2	496	130478	130972
UN30811	Rsa1.0.00863.1	630	254535	0	516	558	92 +	88	630	109792	110345
UN30812	Rsa1.0.00268.1	987	101470	0	439	441	99 -	549	987	1064	1504
UN30813	Rsa1.0.00022.1	711	200461	0	707	708	99 -	2	709	83463	84170
UN30814	Rsa1.0.16805.1	1198	2030	2.00E-46	132	144	91 -	426	569	285	428
UN30815	Rsa1.0.01013.1	812	56822	0	382	387	98 -	3	389	29533	29919
UN30816	Rsa1.0.01718.1	751	40389	2.00E-73	141	141	100 -	129	269	39691	39831
UN30817	Rsa1.0.00332.1	867	94575	1.00E-123	283	305	92 -	575	867	77832	78136
UN30818	Rsa1.0.03337.1	598	23632	0	352	360	97 -	239	598	22232	22587
UN30819	Rsa1.0.00760.1	395	65267	1.00E-174	361	377	95 +	15	389	9806	10182
UN30820	Rsa1.0.05058.1	747	14977	0	448	453	98 +	291	743	4436	4888
UN30821	Rsa1.0.00136.1	730	122464	0	385	398	96 +	7	404	83056	83453
UN30822	Rsa1.0.03727.1	986	21158	0	525	530	99 -	3	532	11602	12131
UN30823	Rsa1.0.02559.1	738	30096	0	702	741	94 +	2	738	10833	11573
UN30824	Rsa1.0.00964.1	876	316648	1.00E-111	237	248	95 +	1	248	163982	164229
UN30825	Rsa1.0.05817.1	901	12552	2.00E-88	172	174	98 -	481	654	2902	3075
UN30826	Rsa1.0.05426.1	682	13793	2.00E-17	62	67	92 -	296	362	7273	7339
UN30827	Rsa1.0.00061.1	1323	218685	0	1298	1322	98 +	3	1321	74298	75619
UN30828	Rsa1.0.04925.1	875	15424	6.00E-27	73	75	97 +	4	78	13326	13399
UN30829	Rsa1.0.01301.1	728	169072	2.33E-156	274	278	98 -	448	725	46691	46968
UN30830	Rsa1.0.04219.1	1253	18421	0	1240	1249	99 +	5	1253	7842	9088
UN30831	Rsa1.0.01299.1	758	162028	1.00E-129	247	251	98 +	435	685	2606	2856
UN30832	Rsa1.0.03661.1	1180	21513	0	1169	1180	99 -	1	1180	10459	11638
UN30833	Rsa1.0.01659.1	530	164577	1.00E-137	253	255	99 -	275	529	145492	145746
UN30834	Rsa1.0.00728.1	660	66704	1.00E-119	221	222	99 +	1	222	46812	47033
UN30835	Rsa1.0.00915.1	635	194446	1.00E-149	344	367	93 +	279	634	171278	171643
UN30836	Rsa1.0.03686.1	675	21387	4.00E-92	172	172	100 -	2	173	8466	8637
UN30837	Rsa1.0.02426.1	748	31564	1.00E-143	277	281	98 +	470	748	12921	13201
UN30838	Rsa1.0.00081.1	1373	143261	0	848	859	98 +	3	853	132878	133736
UN30839	Rsa1.0.41193.1	919	545	0	542	545	99 -	372	916	1	545
UN30840	Rsa1.0.00884.1	1027	61150	0	593	606	97 -	422	1027	58296	58899
UN30841	Rsa1.0.03846.1	704	20481	1.00E-116	223	225	99 +	5	228	9067	9291
UN30842	Rsa1.0.05893.1	1101	12306	0	499	506	98 +	5	510	5586	6091
UN30843	Rsa1.0.00573.1	936	74821	0	825	874	94 -	80	936	35859	36722
UN30844	Rsa1.0.02664.1	1246	28917	1.00E-166	321	329	97 +	530	858	12787	13115
UN30845	#	#	#	#	#	#	#	#	#	#	#
UN30846	Rsa1.0.02434.1	1017	31464	0	559	616	90 -	353	968	24022	24632
UN30847	Rsa1.0.00408.1	946	176752	0	771	801	96 -	3	792	141637	142437

UN30848	Rsa1.0.00053.1	864	263459	0	801	845	94 +	2	846	72517	73360
UN30849	Rsa1.0.00301.1	750	365315	0	714	735	97 -	5	738	325708	326442
UN30850	Rsa1.0.00006.1	828	396176	0	559	571	97 -	55	624	271218	271788
UN30851	Rsa1.0.00596.1	1167	73578	1.00E-151	301	311	96 -	340	650	37725	38035
UN30852	Rsa1.0.00651.1	541	247766	1.00E-174	327	333	98 +	207	539	246547	246879
UN30853	Rsa1.0.01013.1	656	56822	0	641	655	97 +	2	656	7308	7962
UN30854	Rsa1.0.00239.1	1033	104332	0	635	681	93 -	4	681	13031	13694
UN30855	Rsa1.0.66472.1	797	345	1.00E-165	298	299	99 +	177	475	1	299
UN30856	Rsa1.0.00823.1	617	62889	1.00E-144	315	332	94 -	25	354	51344	51672
UN30857	Rsa1.0.01571.1	937	43000	1.00E-135	268	276	97 -	660	935	7205	7474
UN30858	Rsa1.0.00301.1	592	365315	0	575	593	96 +	2	592	362067	362654
UN30859	Rsa1.0.02280.1	1058	33063	0	538	561	95 +	3	547	7956	8516
UN30860	Rsa1.0.03997.1	920	19652	0	465	492	94 +	423	912	5103	5585
UN30861	Rsa1.0.00829.1	1154	158305	0	396	414	95 +	577	987	21334	21742
UN30862	Rsa1.0.00295.1	921	152597	0	341	343	99 +	577	919	23572	23914
UN30863	Rsa1.0.02223.1	961	152421	0	931	971	95 -	1	961	15585	16547
UN30864	Rsa1.0.00240.1	516	104175	0	408	431	94 -	3	430	23486	23916
UN30865	Rsa1.0.04124.1	1036	18945	1.00E-68	142	145	97 +	394	538	2446	2590
UN30866	Rsa1.0.11103.1	1002	5614	0	455	491	92 -	72	550	20	510
UN30867	Rsa1.0.02326.1	601	32503	0	478	495	96 -	107	599	24471	24960
UN30868	Rsa1.0.03069.1	787	25615	2.00E-85	167	169	98 -	151	319	16220	16388
UN30869	Rsa1.0.00211.1	955	228189	0	398	412	96 +	544	955	195298	195708
UN30870	Rsa1.0.00491.1	1019	80219	1.00E-176	371	390	95 +	574	963	36491	36880
UN30871	Rsa1.0.05015.1	1034	15125	1.00E-148	305	318	95 +	390	707	12406	12723
UN30872	Rsa1.0.00919.1	533	59675	0	508	536	94 +	3	533	33405	33931
UN30873	Rsa1.0.15364.1	726	2655	0	694	711	97 +	3	710	1360	2069
UN30874	Rsa1.0.00518.1	821	78360	0	490	524	93 +	314	821	76366	76882
UN30875	Rsa1.0.00777.1	793	191865	0	368	380	96 -	372	744	131820	132199
UN30876	Rsa1.0.01261.1	919	49744	0	878	938	93 +	4	919	7528	8465
UN30877	Rsa1.0.00359.1	335	91256	1.00E-113	279	303	92 +	1	303	22446	22733
UN30878	Rsa1.0.68490.1	495	335	1.00E-147	279	283	98 -	172	454	1	281
UN30879	Rsa1.0.01424.1	786	46139	1.00E-153	313	325	96 -	445	767	16210	16534
UN30880	Rsa1.0.33613.1	1009	674	0	647	680	95 +	295	969	1	674
UN30881	Rsa1.0.04522.1	639	16988	1.00E-42	100	103	97 -	206	305	6149	6251
UN30882	Rsa1.0.55710.1	857	410	0	407	410	99 -	314	723	1	410
UN30883	Rsa1.0.04268.1	559	18189	0	550	559	98 +	2	559	5951	6509
UN30884	Rsa1.0.08559.1	885	7197	0	393	402	97 +	484	885	1292	1685
UN30885	Rsa1.0.00949.1	613	58549	0	608	615	98 -	1	613	12778	13390
UN30886	Rsa1.0.02488.1	671	30913	0	621	622	99 -	42	663	1422	2043

UN30887	Rsa1.0_04670.1	1116	16453	0	586	633	92 -	497	1116	15277	15898
UN30888	Rsa1.0_00017.1	637	752458	1.00E-139	257	259	99 -	379	637	391671	391929
UN30889	Rsa1.0_00476.1	471	280966	0	430	458	93 -	2	459	19255	19697
UN30890	Rsa1.0_40227.1	801	558	1.00E-95	202	210	96 +	378	587	321	530
UN30891	Rsa1.0_01524.1	672	43949	1.00E-111	226	232	97 -	1	232	10439	10669
UN30892	Rsa1.0_01652.1	840	41579	0	838	840	99 -	1	840	35040	35879
UN30893	Rsa1.0_00091.1	785	139699	1.00E-137	308	328	93 +	274	601	84565	84892
UN30894	Rsa1.0_00083.1	1097	442773	1.00E-176	383	410	93 -	685	1094	391297	391689
UN30895	Rsa1.0_05276.1	759	14287	1.00E-178	316	316	100 +	235	550	9155	9470
UN30896	Rsa1.0_00775.1	630	64793	0	577	625	92 -	1	618	55011	55622
UN30897	Rsa1.0_05105.1	600	14833	1.00E-163	331	342	96 -	12	351	6175	6510
UN30898	Rsa1.0_04430.1	872	17392	1.00E-52	176	199	88 +	24	222	13241	13435
UN30899	Rsa1.0_49682.1	683	457	1.00E-139	270	275	98 +	407	681	1	274
UN30900	Rsa1.0_03292.1	728	23977	0	428	440	97 +	291	728	10302	10741
UN30901	Rsa1.0_00003.1	765	340054	0	762	765	99 +	1	765	269859	270623
UN30902	Rsa1.0_00089.1	1155	406142	0	892	921	96 -	238	1155	356303	357223
UN30903	Rsa1.0_00053.1	1215	263459	0	521	571	91 +	1	570	192722	193292
UN30904	Rsa1.0_04097.1	263	19090	1.00E-31	76	78	97 -	10	87	14551	14628
UN30905	Rsa1.0_01905.1	637	37450	3.00E-59	201	230	87 +	114	343	21327	21543
UN30906	Rsa1.0_02235.1	635	33615	0	602	632	95 +	2	632	8709	9334
UN30907	Rsa1.0_00009.1	703	232558	0	547	562	97 +	1	560	97021	97580
UN30908	Rsa1.0_09522.1	701	6316	2.00E-51	188	216	87 -	486	701	5073	5288
UN30909	Rsa1.0_00008.1	1089	358124	0	765	779	98 -	185	963	281924	282702
UN30910	Rsa1.0_00827.1	829	62790	1.00E-168	350	366	95 +	102	464	52062	52427
UN30911	Rsa1.0_00215.1	658	201775	0	477	504	94 +	137	639	80357	80839
UN30912	Rsa1.0_03133.1	937	25135	1.00E-143	354	382	92 -	53	427	2494	2869
UN30913	Rsa1.0_00097.1	726	138858	0	511	541	94 +	1	541	92757	93297
UN30914	Rsa1.0_49110.1	1162	462	0	369	375	98 -	4	378	58	432
UN30915	Rsa1.0_00526.1	675	169279	6.00E-88	371	429	86 +	249	666	166675	167081
UN30916	Rsa1.0_00060.1	1090	502678	0	604	654	92 -	412	1062	371451	372079
UN30917	Rsa1.0_00706.1	676	291570	1.00E-168	314	319	98 -	12	330	254181	254499
UN30918	Rsa1.0_04255.1	702	18257	0	345	346	99 +	3	348	12092	12437
UN30919	Rsa1.0_00159.1	651	431686	4.00E-18	51	52	98 +	588	639	375176	375227
UN30920	Rsa1.0_00056.1	803	332604	0	434	471	92 -	345	803	59986	60456
UN30921	Rsa1.0_01048.1	478	55684	1.00E-165	359	377	95 +	103	478	33708	34081
UN30922	Rsa1.0_02165.1	673	34423	0	442	454	97 +	34	485	4890	5342
UN30923	Rsa1.0_05117.1	1195	14801	0	1148	1192	96 -	11	1195	4113	5298
UN30924	Rsa1.0_00108.1	654	478491	0	444	455	97 -	200	653	57346	57800
UN30925	Rsa1.0_06119.1	736	11693	0	603	603	100 -	134	736	822	1424

UN30926	Rsa1.0_10207.1	806	5943	0	755	795	94 +	2	795	4695	5488
UN30927	Rsa1.0_14305.1	765	3554	0	523	558	93 +	193	743	1354	1910
UN30928	Rsa1.0_07931.1	1139	8236	0	603	631	95 -	1	625	4611	5240
UN30929	Rsa1.0_04440.1	716	17347	0	673	733	91 -	5	713	14094	14807
UN30930	Rsa1.0_00037.1	827	307838	0	551	577	95 -	233	809	41494	42067
UN30931	Rsa1.0_02480.1	448	31036	1.00E-117	223	226	98 +	223	448	12697	12922
UN30932	Rsa1.0_01728.1	1076	40239	0	1072	1076	99 -	2	1076	1417	2492
UN30933	Rsa1.0_00196.1	345	109960	1.00E-129	321	344	93 +	3	345	96724	97061
UN30934	Rsa1.0_08211.1	867	7714	0	840	866	96 -	2	867	3348	4212
UN30935	Rsa1.0_00269.1	495	341668	0	373	376	99 -	120	495	308058	308433
UN30936	Rsa1.0_05942.1	1215	12158	0	1180	1220	96 -	2	1215	6841	8058
UN30937	Rsa1.0_05146.1	1263	14678	0	713	725	98 -	4	728	6424	7148
UN30938	Rsa1.0_00632.1	724	183777	1.00E-180	383	406	94 +	1	396	150808	151203
UN30939	Rsa1.0_02034.1	376	35823	1.00E-142	303	318	95 -	1	317	32444	32755
UN30940	Rsa1.0_00257.1	779	102407	0	731	776	94 +	7	779	86014	86774
UN30941	Rsa1.0_02445.1	683	31345	0	484	511	94 +	171	680	24849	25359
UN30942	Rsa1.0_00829.1	1158	158305	0	483	535	90 -	1	519	110820	111335
UN30943	Rsa1.0_00028.1	606	293984	1.00E-175	317	319	99 -	271	589	5039	5357
UN30944	Rsa1.0_00307.1	468	199003	0	457	460	99 +	5	463	9300	9759
UN30945	Rsa1.0_01334.1	744	47904	1.00E-180	325	327	99 +	1	327	2245	2571
UN30946	Rsa1.0_00055.1	407	520193	0	406	408	99 +	1	406	328781	329188
UN30947	Rsa1.0_11762.1	1333	5416	0	1000	1011	98 +	2	1012	2550	3557
UN30948	Rsa1.0_02575.1	1327	29944	0	1301	1335	97 +	2	1327	16365	17698
UN30949	Rsa1.0_00049.1	813	167018	0	476	480	99 -	334	813	135336	135815
UN30950	Rsa1.0_01354.1	964	47342	0	939	961	97 -	2	962	38882	39842
UN30951	Rsa1.0_02939.1	887	26595	0	346	353	98 +	155	507	10680	11032
UN30952	Rsa1.0_01099.1	912	158481	1.00E-152	285	289	98 +	307	595	13222	13510
UN30953	Rsa1.0_11038.1	1040	5639	0	708	723	97 +	325	1040	4516	5237
UN30954	Rsa1.0_02043.1	918	163754	0	584	585	99 -	334	918	149658	150242
UN30955	Rsa1.0_06732.1	636	10449	0	516	544	94 +	96	636	8112	8652
UN30956	Rsa1.0_00193.1	1134	194198	0	1074	1140	94 +	2	1134	111959	113083
UN30957	Rsa1.0_02715.1	1002	28466	1.00E-120	222	223	99 -	4	226	24208	24430
UN30958	Rsa1.0_00751.1	825	65759	0	756	759	99 -	68	825	26330	27087
UN30959	Rsa1.0_01552.1	531	43396	0	477	484	98 +	47	530	39872	40355
UN30960	Rsa1.0_03764.1	665	20971	0	557	561	99 -	105	665	9790	10350
UN30961	Rsa1.0_01163.1	787	51946	1.00E-178	424	458	92 -	10	462	6090	6547
UN30962	Rsa1.0_21518.1	823	1196	0	536	537	99 -	1	537	1	537
UN30963	Rsa1.0_00193.1	848	194198	0	691	693	99 +	1	693	140759	141451
UN30964	Rsa1.0_05412.1	841	13836	0	817	853	95 +	1	841	1630	2479

UN30965	#	#	#	#	#	#	#	#	#	#	#	#
UN30966	Rsa1.0_09288.1	810	6494	0	680	695	97 +	115	807	1	693	
UN30967	Rsa1.0_00071.1	859	345714	0	376	385	97 +	475	859	20482	20864	
UN30968	Rsa1.0_01387.1	623	46745	0	414	415	99 -	1	415	34576	34990	
UN30969	Rsa1.0_00505.1	901	79323	0	489	522	93 +	389	901	2831	3350	
UN30970	Rsa1.0_00148.1	781	120234	0	763	780	97 +	3	781	55372	56145	
UN30971	Rsa1.0_00627.1	742	71566	6.00E-79	285	330	86 -	368	684	25354	25671	
UN30972	Rsa1.0_18364.1	461	1614	5.00E-97	202	209	96 -	257	461	687	895	
UN30973	Rsa1.0_01528.1	1062	43882	0	466	488	95 +	3	488	19179	19663	
UN30974	Rsa1.0_04519.1	1126	17004	1.00E-159	452	508	88 +	2	503	5986	6493	
UN30975	Rsa1.0_00004.1	1055	253996	0	399	399	100 +	657	1055	168690	169088	
UN30976	Rsa1.0_00399.1	812	242951	1.00E-166	323	332	97 -	13	344	53810	54135	
UN30977	Rsa1.0_01006.1	782	163670	0	480	495	96 -	289	782	31332	31816	
UN30978	Rsa1.0_00377.1	803	90038	6.00E-70	159	163	97 -	577	736	2740	2902	
UN30979	Rsa1.0_00426.1	725	85668	1.00E-128	239	240	99 -	487	725	35357	35596	
UN30980	Rsa1.0_00816.1	419	403350	1.00E-132	242	243	99 -	175	417	374931	375173	
UN30981	Rsa1.0_00019.1	529	301669	0	351	354	99 -	1	354	38258	38609	
UN30982	Rsa1.0_01364.1	742	47172	6.00E-79	165	170	97 +	305	474	18800	18969	
UN30983	Rsa1.0_14340.1	1059	3501	0	453	482	93 -	578	1059	294	770	
UN30984	Rsa1.0_00538.1	941	77149	0	937	939	99 -	2	940	35869	36807	
UN30985	Rsa1.0_00010.1	733	294827	0	365	366	99 +	41	406	119769	120134	
UN30986	Rsa1.0_09206.1	770	6558	0	592	611	96 +	152	760	1	610	
UN30987	Rsa1.0_01112.1	555	310601	1.00E-106	272	294	92 -	1	291	48635	48926	
UN30988	Rsa1.0_07757.1	1028	8633	0	1015	1029	98 -	3	1028	4080	5107	
UN30989	Rsa1.0_00566.1	582	75325	0	509	539	94 +	1	535	3121	3659	
UN30990	Rsa1.0_00056.1	634	332604	0	489	489	100 +	2	490	114302	114790	
UN30991	Rsa1.0_00037.1	748	307838	1.00E-166	303	305	99 -	376	680	288128	288432	
UN30992	Rsa1.0_00205.1	845	193401	1.00E-147	317	330	96 +	1	328	40402	40726	
UN30993	Rsa1.0_02297.1	1081	160804	1.00E-50	125	131	95 -	944	1073	5011	5141	
UN30994	Rsa1.0_00911.1	721	59943	1.00E-159	285	285	100 -	1	285	38655	38939	
UN30995	Rsa1.0_00502.1	725	204180	0	566	567	99 -	1	567	74440	75006	
UN30996	Rsa1.0_00114.1	703	131330	3.00E-93	287	318	90 -	3	309	10782	11095	
UN30997	Rsa1.0_01095.1	1381	54276	0	634	646	98 +	121	766	43621	44266	
UN30998	Rsa1.0_02043.1	904	163754	0	901	903	99 -	2	904	2526	3428	
UN30999	Rsa1.0_00348.1	796	92818	0	761	790	96 +	3	784	16001	16789	
UN31000	Rsa1.0_02374.1	579	32043	1.00E-148	266	266	100 -	314	579	17410	17675	
UN31001	Rsa1.0_00731.1	922	66638	0	830	853	97 +	80	922	38528	39376	
UN31002	Rsa1.0_00088.1	862	141341	4.00E-96	179	179	100 -	232	410	12667	12845	
UN31003	Rsa1.0_06610.1	795	10669	5.00E-86	165	166	99 +	3	168	10504	10669	

UN31004	Rsa1.0.03487.1	705	22564	0	398	398	100 -	2	399	1708	2105
UN31005	Rsa1.0.00107.1	1250	431659	1.00E-151	271	271	100 +	455	725	7683	7953
UN31006	Rsa1.0.01182.1	670	167304	2.00E-72	203	222	91 +	3	217	155001	155221
UN31007	Rsa1.0.01331.1	979	47944	1.00E-159	318	330	96 +	3	332	44225	44546
UN31008	Rsa1.0_10012.1	783	6039	1.00E-129	246	250	98 +	459	708	4200	4449
UN31009	Rsa1.0_02117.1	876	34843	0	734	738	99 +	19	756	22956	23693
UN31010	Rsa1.0.00925.1	715	59481	0	656	683	96 +	39	715	23753	24435
UN31011	Rsa1.0.03140.1	550	25081	0	534	553	96 -	2	550	19479	20027
UN31012	Rsa1.0.00364.1	764	90951	0	717	736	97 -	3	732	49913	50648
UN31013	Rsa1.0.03632.1	1250	21645	0	906	970	93 -	2	956	11309	12275
UN31014	Rsa1.0.00053.1	713	263459	1.00E-125	276	291	94 +	397	687	95872	96156
UN31015	Rsa1.0.02001.1	1064	36198	1.00E-121	415	479	86 -	44	517	20235	20694
UN31016	Rsa1.0.03754.1	774	21005	1.00E-119	323	355	90 +	1	349	6401	6745
UN31017	Rsa1.0_12113.1	1230	5312	0	499	531	93 +	572	1089	1	531
UN31018	Rsa1.0.07943.1	759	8207	0	478	481	99 -	279	759	1226	1706
UN31019	Rsa1.0.00093.1	772	214962	0	724	771	93 +	2	772	183972	184733
UN31020	Rsa1.0.01878.1	653	37768	1.00E-18	80	89	89 -	463	551	21506	21593
UN31021	Rsa1.0.24802.1	951	967	0	524	531	98 +	1	531	341	871
UN31022	Rsa1.0.00101.1	739	267193	3.00E-93	384	441	87 -	287	709	110609	111046
UN31023	Rsa1.0.00655.1	890	195840	0	423	447	94 -	452	890	131154	131600
UN31024	Rsa1.0.01624.1	681	42064	1.00E-168	312	316	98 +	366	681	3604	3919
UN31025	Rsa1.0_11321.1	946	5543	0	599	611	98 -	335	944	536	1146
UN31026	Rsa1.0_02036.1	678	35731	0	660	703	93 -	2	677	11903	12605
UN31027	Rsa1.0_31951.1	878	714	0	703	713	98 -	109	821	2	714
UN31028	Rsa1.0.00122.1	539	265937	0	526	536	98 -	5	539	6817	7350
UN31029	Rsa1.0.31155.1	1149	735	0	385	385	100 -	765	1149	96	480
UN31030	Rsa1.0.00250.1	685	273771	0	451	461	97 +	225	685	212475	212932
UN31031	Rsa1.0.00131.1	672	432233	0	598	627	95 -	26	648	177622	178245
UN31032	Rsa1.0.01628.1	873	41932	1.00E-18	86	97	88 -	228	323	26358	26454
UN31033	Rsa1.0.00626.1	591	71582	1.00E-105	194	194	100 -	1	194	49728	49921
UN31034	Rsa1.0.01803.1	761	173846	1.00E-134	274	281	97 -	3	283	147871	148146
UN31035	Rsa1.0.00284.1	1033	323267	2.33E-156	281	287	97 +	527	813	243413	243699
UN31036	Rsa1.0.00107.1	1073	431659	0	1068	1070	99 -	2	1071	135941	137010
UN31037	Rsa1.0.05282.1	737	14270	1.00E-156	504	570	88 +	177	736	12646	13206
UN31038	Rsa1.0.00521.1	784	78191	1.00E-143	407	456	89 +	330	783	76300	76755
UN31039	Rsa1.0.01891.1	771	37530	0	400	400	100 +	371	770	11913	12312
UN31040	Rsa1.0.00549.1	920	76473	0	885	941	94 +	2	920	33492	34429
UN31041	Rsa1.0.02341.1	549	32387	0	534	545	97 -	3	547	10814	11349
UN31042	Rsa1.0_00484.1	1005	203294	3.00E-97	219	231	94 +	755	985	123429	123656

UN31043	Rsa1.0.00685.1	1014	68515	0	367	375	97 +	640	1014	2413	2787
UN31044	Rsa1.0.00524.1	997	169613	0	587	599	97 +	290	888	98830	99428
UN31045	Rsa1.0.03953.1	572	19889	2.00E-72	172	183	93 -	193	375	1426	1608
UN31046	Rsa1.0.01092.1	1147	54348	0	1128	1143	98 +	2	1144	24234	25376
UN31047	Rsa1.0.02712.1	934	28474	0	774	795	97 -	144	934	15883	16677
UN31048	Rsa1.0.06056.1	621	137271	0	582	610	95 +	15	620	129312	129914
UN31049	Rsa1.0.00433.1	607	85381	0	366	367	99 -	240	606	67046	67412
UN31050	Rsa1.0.00494.1	590	79967	0	573	589	97 +	2	590	23574	24162
UN31051	Rsa1.0.00044.1	498	271658	1.00E-147	300	314	95 -	194	496	234018	234331
UN31052	Rsa1.0.00130.1	673	125737	4.00E-77	147	147	100 +	1	147	15079	15225
UN31053	#	#	#	#	#	#	#	#	#	#	#
UN31054	Rsa1.0.01760.1	1240	39730	0	1182	1260	93 +	1	1240	5693	6930
UN31055	Rsa1.0.00087.1	1170	761073	1.00E-147	273	276	98 +	126	401	74696	74971
UN31056	Rsa1.0.00421.1	975	86365	1.00E-175	320	323	99 -	653	975	50442	50764
UN31057	Rsa1.0.00651.1	1223	247766	0	352	352	100 +	2	353	216833	217184
UN31058	Rsa1.0.16905.1	880	1994	9.00E-97	212	221	95 -	665	880	1021	1241
UN31059	Rsa1.0.01173.1	540	51727	1.00E-155	277	277	100 -	264	540	10384	10660
UN31060	Rsa1.0.00898.1	914	202772	0	532	544	97 -	220	763	36724	37267
UN31061	Rsa1.0.00243.1	659	103651	1.00E-129	322	348	92 -	258	604	92376	92718
UN31062	Rsa1.0.00278.1	727	231896	1.00E-143	293	304	96 -	427	727	84959	85262
UN31063	Rsa1.0.01638.1	759	41857	1.00E-157	329	342	96 +	419	758	7697	8038
UN31064	Rsa1.0.08652.1	671	7081	0	349	351	99 +	320	670	6527	6877
UN31065	Rsa1.0.13008.1	1290	5047	0	870	874	99 -	3	876	1455	2328
UN31066	Rsa1.0.01701.1	1029	162121	1.00E-127	278	291	95 -	3	291	22280	22569
UN31067	Rsa1.0.01108.1	780	53865	0	438	448	97 +	333	780	25560	26007
UN31068	Rsa1.0.02241.1	706	33520	0	695	708	98 +	1	706	21482	22186
UN31069	Rsa1.0.02430.1	1123	31506	0	674	694	97 +	430	1123	25830	26522
UN31070	Rsa1.0.04727.1	1029	16216	0	411	417	98 -	3	419	448	864
UN31071	Rsa1.0.00516.1	637	78417	1.00E-174	315	317	99 -	315	631	32829	33145
UN31072	Rsa1.0.01200.1	868	50895	1.00E-153	347	371	93 -	485	854	1165	1526
UN31073	Rsa1.0.08720.1	995	7001	0	762	764	99 +	232	995	1	763
UN31074	Rsa1.0.06208.1	1168	11492	0	991	1006	98 +	163	1166	9308	10313
UN31075	Rsa1.0.00714.1	683	67187	0	443	454	97 +	3	456	1266	1716
UN31076	Rsa1.0.01036.1	782	55978	1.00E-151	293	299	97 -	3	300	13317	13615
UN31077	Rsa1.0.00680.1	718	68969	0	663	726	91 -	2	718	43899	44624
UN31078	Rsa1.0.03249.1	865	146254	0	861	864	99 -	2	865	9635	10498
UN31079	Rsa1.0.00127.1	682	127446	1.00E-113	207	207	100 +	93	299	82222	82428
UN31080	Rsa1.0.00089.1	1306	406142	0	657	658	99 -	6	663	276706	277363
UN31081	Rsa1.0.09176.1	1047	6579	1.00E-22	137	164	83 +	3	166	5797	5960

UN31082	Rsa1.0_04630.1	727	16595	0	473	476	99 +	241	716	12551	13026
UN31083	Rsa1.0_13988.1	1157	3954	1.00E-157	285	286	99 +	421	706	1369	1654
UN31084	Rsa1.0_00573.1	1377	74821	0	1355	1374	98 +	2	1375	42090	43463
UN31085	Rsa1.0_00251.1	811	303968	0	809	810	99 -	2	811	157852	158661
UN31086	Rsa1.0_01497.1	1161	44559	0	929	930	99 +	232	1161	6535	7464
UN31087	Rsa1.0_06124.1	1000	11681	0	608	613	99 -	388	1000	10574	11186
UN31088	Rsa1.0_02761.1	936	28151	0	930	936	99 -	2	936	12049	12984
UN31089	Rsa1.0_02116.1	678	34853	0	655	682	96 -	1	678	15450	16131
UN31090	Rsa1.0_00725.1	744	66757	0	399	406	98 +	209	614	19779	20184
UN31091	Rsa1.0_14943.1	1164	2944	0	427	438	97 +	1	438	1837	2272
UN31092	Rsa1.0_01007.1	722	56933	0	716	720	99 +	2	721	34897	35615
UN31093	Rsa1.0_00531.1	623	77387	1.00E-92	196	203	96 -	232	431	26303	26505
UN31094	Rsa1.0_00197.1	713	109714	1.00E-30	143	169	84 -	327	481	10242	10410
UN31095	Rsa1.0_00205.1	805	193401	0	709	737	96 +	4	730	57606	58339
UN31096	Rsa1.0_00876.1	567	61328	0	521	541	96 -	1	539	35058	35598
UN31097	Rsa1.0_02159.1	1237	34471	0	1221	1240	98 +	1	1236	27371	28605
UN31098	Rsa1.0_00632.1	590	183777	0	390	394	98 +	1	394	150810	151203
UN31099	Rsa1.0_00087.1	713	761073	0	556	571	97 -	146	713	561153	561722
UN31100	Rsa1.0_01792.1	599	39227	0	386	404	95 -	200	599	16595	16997
UN31101	Rsa1.0_02349.1	911	32312	0	556	557	99 +	3	559	14954	15510
UN31102	Rsa1.0_00741.1	472	66117	2.00E-93	208	216	96 -	5	219	20620	20831
UN31103	Rsa1.0_04516.1	1071	17018	0	452	455	99 -	2	454	2760	3214
UN31104	Rsa1.0_02228.1	697	33688	0	422	441	95 +	239	678	9745	10185
UN31105	Rsa1.0_00193.1	643	194198	0	435	436	99 -	208	643	129201	129636
UN31106	Rsa1.0_04854.1	901	131560	7.00E-70	144	147	97 +	624	770	10474	10620
UN31107	Rsa1.0_01982.1	483	36530	0	468	483	96 -	3	483	30261	30743
UN31108	Rsa1.0_00420.1	797	86496	0	510	534	95 -	157	672	41205	41738
UN31109	Rsa1.0_38397.1	505	586	1.00E-151	278	279	99 +	225	503	9	286
UN31110	Rsa1.0_00654.1	1169	70012	0	1164	1168	99 -	3	1168	38173	39340
UN31111	Rsa1.0_03394.1	1360	23247	0	409	416	98 -	945	1360	617	1032
UN31112	Rsa1.0_02107.1	807	34940	0	772	816	94 +	3	807	28059	28874
UN31113	Rsa1.0_02252.1	766	33375	0	665	700	95 -	69	766	11092	11785
UN31114	Rsa1.0_01505.1	876	44382	0	872	874	99 +	3	876	42125	42998
UN31115	Rsa1.0_00224.1	651	327530	0	619	643	96 +	4	644	211270	211911
UN31116	Rsa1.0_08323.1	1000	7540	0	994	999	99 -	1	998	1380	2377
UN31117	Rsa1.0_00170.1	662	179538	0	661	665	99 -	1	662	143505	144168
UN31118	Rsa1.0_00571.1	1133	329018	0	1108	1137	97 -	2	1133	31145	32280
UN31119	Rsa1.0_00310.1	251	96852	1.00E-128	231	231	100 -	21	251	82487	82717
UN31120	Rsa1.0_01600.1	774	42537	1.00E-101	226	236	95 -	544	774	37535	37769

UN31121	Rsa1.0_01322.1	867	48166	0	639	639	100 +	229	867	20315	20953
UN31122	Rsa1.0_09054.1	576	6680	2.00E-47	318	387	82 -	187	573	5198	5578
UN31123	Rsa1.0_15547.1	772	2549	0	339	345	98 -	4	348	1	345
UN31124	Rsa1.0_11694.1	1150	131228	0	881	884	99 -	267	1150	127811	128694
UN31125	Rsa1.0_00008.1	753	358124	0	743	751	98 +	3	753	295975	296725
UN31126	Rsa1.0_00302.1	767	97521	0	372	373	99 +	394	766	71445	71817
UN31127	Rsa1.0_00404.1	903	87635	1.00E-162	289	289	100 +	613	901	8664	8952
UN31128	Rsa1.0_01293.1	747	49139	5.00E-92	184	188	97 -	313	500	33345	33532
UN31129	Rsa1.0_01254.1	644	49801	0	628	650	96 +	3	644	11747	12396
UN31130	Rsa1.0_00092.1	957	659932	0	863	873	98 +	1	873	654894	655765
UN31131	Rsa1.0_07831.1	688	8461	0	475	486	97 +	203	688	3963	4446
UN31132	Rsa1.0_00156.1	1031	118383	0	371	384	96 -	3	386	38466	38849
UN31133	Rsa1.0_03741.1	679	143933	0	391	403	97 -	277	679	11172	11574
UN31134	Rsa1.0_00036.1	774	176186	0	519	524	99 +	3	526	171539	172062
UN31135	Rsa1.0_00069.1	801	403561	1.00E-141	261	263	99 +	210	472	145729	145991
UN31136	#	#	#	#	#	#	#	#	#	#	#
UN31137	#	#	#	#	#	#	#	#	#	#	#
UN31138	Rsa1.0_04831.1	566	15799	1.00E-140	266	270	98 -	301	566	670	939
UN31139	Rsa1.0_02124.1	792	34780	0	492	496	99 -	297	792	7431	7926
UN31140	Rsa1.0_00576.1	969	178949	1.00E-157	291	294	98 +	3	296	36371	36664
UN31141	Rsa1.0_00153.1	653	192931	2.00E-94	197	204	96 +	134	337	76726	76929
UN31142	Rsa1.0_04196.1	1276	18515	3.00E-39	212	251	84 -	152	395	4502	4740
UN31143	Rsa1.0_00904.1	1223	180594	0	1036	1051	98 +	172	1222	7046	8096
UN31144	Rsa1.0_01514.1	995	44222	0	988	993	99 -	3	995	8065	9057
UN31145	Rsa1.0_00190.1	1214	318240	0	528	550	96 +	3	550	42025	42574
UN31146	Rsa1.0_00213.1	1254	108167	0	1230	1251	98 -	4	1252	34721	35959
UN31147	Rsa1.0_03225.1	721	24500	0	713	714	99 -	7	720	10591	11304
UN31148	Rsa1.0_00507.1	641	79074	0	507	538	94 +	104	641	50148	50684
UN31149	Rsa1.0_06168.1	1030	11580	1.00E-147	264	264	100 +	767	1030	10865	11128
UN31150	Rsa1.0_51981.1	232	437	1.00E-12	47	50	94 -	131	180	45	94
UN31151	Rsa1.0_00763.1	1060	65121	0	1021	1038	98 -	22	1059	53638	54675
UN31152	Rsa1.0_54570.1	820	418	8.00E-57	113	113	100 +	3	115	292	404
UN31153	Rsa1.0_00564.1	777	75428	3.00E-50	108	110	98 +	386	495	64144	64253
UN31154	Rsa1.0_07706.1	828	8752	0	539	568	94 +	271	828	3315	3876
UN31155	Rsa1.0_01285.1	508	172709	0	446	464	96 +	1	463	35379	35838
UN31156	Rsa1.0_00805.1	674	63724	0	344	345	99 +	329	673	12227	12570
UN31157	Rsa1.0_04155.1	641	134772	1.00E-144	334	358	93 +	1	352	130515	130871
UN31158	Rsa1.0_00798.1	520	63945	1.00E-153	275	275	100 -	2	276	62189	62463
UN31159	Rsa1.0_00843.1	679	62411	1.00E-140	282	291	96 +	1	291	52662	52949

UN31160	Rsa1.0_00765.1	963	65029	6.00E-86	174	178	97 -	468	645	33947	34124
UN31161	Rsa1.0_00305.1	771	97308	0	636	641	99 +	131	771	13826	14466
UN31162	Rsa1.0_00223.1	597	106231	0	587	601	97 -	1	596	102653	103252
UN31163	Rsa1.0_13662.1	986	4542	0	566	624	90 -	269	892	3531	4154
UN31164	Rsa1.0_00078.1	863	175053	0	844	862	97 +	4	863	53609	54464
UN31165	Rsa1.0_01990.1	831	36431	1.00E-117	340	380	89 -	3	357	34873	35248
UN31166	Rsa1.0_02460.1	882	31169	0	562	579	97 -	3	572	6428	7006
UN31167	Rsa1.0_04734.1	791	16184	1.00E-103	242	257	94 -	484	740	14821	15073
UN31168	Rsa1.0_02987.1	841	26196	0	410	428	95 +	198	625	22775	23202
UN31169	Rsa1.0_30575.1	416	750	0	408	415	98 +	2	416	174	588
UN31170	Rsa1.0_00070.1	1079	150321	1.00E-150	275	277	99 -	137	413	5395	5671
UN31171	Rsa1.0_00519.1	799	197864	1.00E-154	327	341	95 -	5	343	19688	20023
UN31172	Rsa1.0_00504.1	743	79334	7.00E-85	229	253	90 -	3	255	29524	29763
UN31173	Rsa1.0_76051.1	1293	302	1.00E-19	72	79	91 +	5	83	30	108
UN31174	Rsa1.0_00729.1	1002	66690	0	951	1009	94 +	3	1000	64383	65385
UN31175	Rsa1.0_00113.1	537	131574	0	363	366	99 +	172	537	35466	35831
UN31176	Rsa1.0_00198.1	507	222963	1.00E-168	309	312	99 +	196	507	69717	70028
UN31177	Rsa1.0_02906.1	976	26866	0	489	490	99 -	487	976	7277	7766
UN31178	Rsa1.0_09279.1	963	6501	0	339	340	99 -	340	679	3001	3340
UN31179	Rsa1.0_00041.1	1394	186197	0	679	718	94 +	2	719	38062	38779
UN31180	Rsa1.0_00601.1	1163	177045	0	478	479	99 -	2	480	21593	22071
UN31181	Rsa1.0_00481.1	918	81316	0	686	708	96 +	2	705	68069	68773
UN31182	Rsa1.0_35401.1	725	639	0	387	389	99 -	25	413	251	639
UN31183	Rsa1.0_01243.1	1373	50061	0	507	507	100 +	867	1373	47547	48053
UN31184	Rsa1.0_01164.1	398	51934	1.00E-136	360	398	90 +	2	398	49982	50360
UN31185	Rsa1.0_01962.1	829	153412	0	346	351	98 +	477	827	15561	15911
UN31186	Rsa1.0_00002.1	363	601661	1.00E-141	254	254	100 +	110	363	172221	172474
UN31187	Rsa1.0_00342.1	491	93695	1.00E-159	285	285	100 +	207	491	46790	47074
UN31188	Rsa1.0_23319.1	1012	1057	0	948	1011	93 +	5	1012	15	1017
UN31189	Rsa1.0_03248.1	395	24368	0	392	392	100 +	2	393	1019	1410
UN31190	Rsa1.0_00128.1	335	228675	1.00E-123	256	266	96 -	63	327	180396	180654
UN31191	Rsa1.0_00298.1	688	349131	0	684	688	99 -	2	688	168616	169303
UN31192	Rsa1.0_00666.1	623	69505	0	621	622	99 -	3	623	31270	31891
UN31193	Rsa1.0_00596.1	662	73578	1.00E-153	312	326	95 +	337	662	66874	67189
UN31194	Rsa1.0_01141.1	1282	52530	0	1281	1285	99 -	1	1282	29862	31146
UN31195	Rsa1.0_04210.1	1132	18442	0	510	559	91 +	8	564	16015	16556
UN31196	Rsa1.0_00473.1	805	212204	1.00E-122	253	262	96 +	3	264	80442	80697
UN31197	Rsa1.0_00450.1	591	139397	1.00E-166	316	323	97 +	276	591	122996	123318
UN31198	Rsa1.0_03898.1	457	20183	1.00E-136	396	444	89 +	1	441	6080	6497

UN31199	Rsa1.0_00045.1	798	328694	0	493	498	98 +	300	797	314632	315129
UN31200	Rsa1.0_00566.1	654	75325	0	585	605	96 +	1	600	64556	65159
UN31201	Rsa1.0_01163.1	806	51946	2.00E-66	155	165	93 +	2	157	3394	3558
UN31202	Rsa1.0_00243.1	511	103651	1.00E-155	287	290	98 -	219	508	56212	56501
UN31203	Rsa1.0_05890.1	694	12317	0	414	420	98 -	275	694	2070	2489
UN31204	Rsa1.0_00483.1	745	81102	7.00E-82	288	331	87 -	25	345	63959	64288
UN31205	Rsa1.0_00722.1	1151	66840	2.00E-21	96	110	87 -	213	322	4312	4421
UN31206	Rsa1.0_00472.1	476	398134	0	476	477	99 +	1	476	11751	12227
UN31207	Rsa1.0_00351.1	1030	413096	0	535	537	99 -	494	1030	139805	140341
UN31208	Rsa1.0_01704.1	1207	40711	0	369	378	97 -	5	382	15880	16257
UN31209	Rsa1.0_02470.1	964	31108	0	494	504	98 +	463	964	7071	7567
UN31210	#	#	#	#	#	#	#	#	#	#	#
UN31211	Rsa1.0_11075.1	837	5625	0	487	495	98 +	343	837	4243	4737
UN31212	Rsa1.0_07437.1	519	9394	0	484	506	95 -	4	508	6952	7446
UN31213	Rsa1.0_01072.1	776	55068	5.00E-92	195	200	97 -	558	755	43313	43512
UN31214	Rsa1.0_02392.1	710	152517	0	696	711	97 -	1	710	4037	4743
UN31215	Rsa1.0_06115.1	848	11714	0	678	733	92 -	2	729	10767	11495
UN31216	Rsa1.0_00136.1	725	122464	1.00E-124	349	387	90 -	54	426	67294	67678
UN31217	Rsa1.0_00009.1	781	232558	0	748	777	96 -	7	781	88456	89227
UN31218	Rsa1.0_19447.1	602	1430	1.00E-112	243	255	95 +	166	420	159	410
UN31219	Rsa1.0_03454.1	927	149870	1.00E-114	226	231	97 -	177	403	139613	139843
UN31220	Rsa1.0_02312.1	1160	32675	1.00E-123	257	264	97 -	869	1131	17792	18052
UN31221	Rsa1.0_00454.1	772	216970	1.00E-122	270	284	95 -	1	283	186626	186905
UN31222	Rsa1.0_01070.1	917	55099	0	724	755	95 -	2	756	1391	2142
UN31223	Rsa1.0_01705.1	625	40710	0	585	624	93 +	2	625	17610	18233
UN31224	Rsa1.0_00463.1	765	189177	0	365	379	96 +	1	379	174729	175107
UN31225	Rsa1.0_08675.1	473	7054	0	435	467	93 +	3	469	5745	6202
UN31226	Rsa1.0_04146.1	1096	18833	0	426	458	93 +	18	471	17759	18202
UN31227	Rsa1.0_01752.1	988	39805	0	504	522	96 +	467	988	29661	30182
UN31228	Rsa1.0_27781.1	731	840	0	342	344	99 +	388	731	373	716
UN31229	Rsa1.0_00407.1	1066	191544	0	584	625	93 -	1	610	52956	53580
UN31230	Rsa1.0_02716.1	638	28465	1.00E-67	149	155	96 +	304	458	1935	2089
UN31231	Rsa1.0_07673.1	984	8850	0	599	630	95 -	358	984	1467	2092
UN31232	Rsa1.0_08412.1	765	7404	0	500	524	95 -	237	759	6270	6790
UN31233	Rsa1.0_07701.1	801	8758	0	515	529	97 +	3	529	4615	5142
UN31234	Rsa1.0_00278.1	702	231896	1.00E-126	249	254	98 -	450	702	152617	152870
UN31235	Rsa1.0_00220.1	837	192936	0	797	831	95 +	4	834	11841	12666
UN31236	Rsa1.0_07560.1	725	9129	0	620	630	98 +	96	725	7115	7744
UN31237	Rsa1.0_00985.1	520	161950	1.00E-139	298	314	94 +	2	315	36157	36470

UN31238	Rsa1.0.00387.1	796	495407	1.00E-144	316	331	95 +	1	325	389802	390130
UN31239	Rsa1.0.00543.1	746	76788	1.00E-148	334	349	95 -	61	405	52007	52352
UN31240	Rsa1.0.01000.1	1052	57140	1.00E-111	217	221	98 -	6	226	31822	32042
UN31241	Rsa1.0.09173.1	817	6582	1.00E-124	258	266	96 -	2	266	3328	3592
UN31242	Rsa1.0.00030.1	428	250988	2.00E-50	108	110	98 -	83	192	243053	243162
UN31243	Rsa1.0.01358.1	780	47278	0	534	541	98 -	212	747	1905	2445
UN31244	Rsa1.0.00611.1	1197	72410	0	1155	1192	96 -	6	1197	9434	10612
UN31245	Rsa1.0.05802.1	517	12591	0	404	427	94 +	101	517	12139	12564
UN31246	Rsa1.0.04083.1	784	19174	1.00E-30	172	205	83 -	100	303	7095	7299
UN31247	Rsa1.0.03738.1	403	21071	4.00E-63	188	204	92 +	201	403	7493	7689
UN31248	Rsa1.0.00180.1	1016	114581	0	947	1046	90 -	3	1014	100318	101339
UN31249	Rsa1.0.00023.1	791	194764	1.00E-177	314	314	100 -	1	314	3993	4306
UN31250	Rsa1.0.00557.1	1092	75865	0	368	377	97 +	716	1092	46582	46957
UN31251	Rsa1.0.01717.1	765	143162	0	744	769	96 +	2	765	126973	127741
UN31252	Rsa1.0.02777.1	1053	27986	1.00E-87	186	193	96 -	439	631	26183	26375
UN31253	Rsa1.0.02252.1	559	33375	0	537	565	95 -	2	559	9800	10362
UN31254	Rsa1.0.04543.1	784	16929	1.00E-162	307	312	98 +	129	440	9499	9808
UN31255	Rsa1.0.01543.1	791	43645	1.00E-142	278	284	97 -	505	787	7903	8186
UN31256	Rsa1.0.00931.1	1199	59210	1.00E-177	365	380	96 -	827	1199	37389	37765
UN31257	Rsa1.0.00964.1	1204	316648	0	1135	1226	92 +	7	1204	272421	273634
UN31258	Rsa1.0.02300.1	926	32847	1.00E-154	391	420	93 +	517	926	25098	25514
UN31259	Rsa1.0.03329.1	1114	23676	7.00E-49	161	180	89 -	607	785	3653	3832
UN31260	Rsa1.0.00480.1	1105	81325	0	1101	1123	98 +	2	1105	18294	19416
UN31261	Rsa1.0.00097.1	752	138858	0	707	755	93 +	4	751	103546	104300
UN31262	Rsa1.0.04116.1	725	18971	0	385	395	97 -	333	725	11626	12019
UN31263	Rsa1.0.09178.1	601	6578	2.00E-57	126	130	96 +	117	246	5863	5992
UN31264	Rsa1.0.00627.1	180	71566	5.00E-64	143	148	96 +	31	178	60022	60168
UN31265	Rsa1.0.25067.1	1214	953	0	853	885	96 -	334	1214	75	953
UN31266	Rsa1.0.02478.1	812	150183	0	689	711	96 -	103	812	4191	4901
UN31267	Rsa1.0.01945.1	810	36989	1.00E-150	314	325	96 -	487	810	16152	16474
UN31268	Rsa1.0.04271.1	698	18148	1.00E-163	306	311	98 +	388	698	9133	9443
UN31269	Rsa1.0.00108.1	812	478491	0	506	531	95 +	280	808	108599	109117
UN31270	Rsa1.0.01851.1	746	38275	0	484	490	98 +	257	746	16273	16762
UN31271	Rsa1.0.01317.1	944	48287	1.00E-144	335	360	93 +	536	885	41470	41829
UN31272	Rsa1.0.00748.1	543	65983	7.00E-75	195	209	93 +	336	543	65464	65668
UN31273	Rsa1.0.00076.1	1369	146021	1.00E-157	302	309	97 +	1061	1369	40702	41010
UN31274	Rsa1.0.00182.1	1074	142305	0	1043	1080	96 +	2	1074	123126	124204
UN31275	Rsa1.0.00642.1	1258	201230	0	900	957	94 +	180	1114	2588	3542
UN31276	Rsa1.0.16435.1	958	2156	0	424	447	94 -	513	958	1526	1963

UN31277	Rsa1.0.00167.1	337	116000	1.00E-141	311	325	95 -	2	326	76353	76667
UN31278	Rsa1.0.00645.1	333	189716	1.00E-175	326	331	98 -	3	333	182727	183057
UN31279	Rsa1.0.14352.1	661	3488	7.00E-60	170	186	91 -	476	661	478	662
UN31280	Rsa1.0.00045.1	751	328694	2.00E-79	154	155	99 -	3	157	7047	7201
UN31281	Rsa1.0.00799.1	1034	63918	0	1025	1033	99 -	2	1034	58472	59503
UN31282	Rsa1.0.05841.1	1105	12465	0	913	968	94 -	4	956	5426	6380
UN31283	Rsa1.0.05884.1	660	12337	0	630	661	95 -	2	656	11639	12299
UN31284	Rsa1.0.04497.1	1399	17103	0	630	651	96 -	754	1399	10944	11594
UN31285	Rsa1.0.00512.1	752	200277	1.00E-141	273	279	97 +	159	437	22009	22287
UN31286	#	#	#	#	#	#	#	#	#	#	#
UN31287	Rsa1.0.03600.1	699	21857	2.00E-88	231	251	92 -	448	698	16027	16272
UN31288	Rsa1.0.04819.1	984	140505	1.00E-154	321	335	95 -	180	511	2927	3261
UN31289	Rsa1.0.04435.1	1310	17369	0	378	390	96 -	924	1310	5940	6329
UN31290	Rsa1.0.00972.1	634	57937	2.00E-63	133	136	97 -	376	511	47314	47449
UN31291	Rsa1.0.00111.1	859	390088	1.00E-160	309	315	98 -	544	858	23759	24067
UN31292	Rsa1.0.00130.1	546	125737	6.00E-29	81	86	94 +	321	406	50283	50368
UN31293	Rsa1.0.01489.1	938	44764	0	365	374	97 -	565	938	14632	15005
UN31294	Rsa1.0.00628.1	1049	214360	0	481	489	98 -	4	492	28914	29402
UN31295	Rsa1.0.00288.1	1262	98659	1.00E-162	340	355	95 -	907	1259	52892	53243
UN31296	Rsa1.0.07840.1	800	8442	8.00E-54	145	156	92 -	263	417	1454	1609
UN31297	Rsa1.0.00892.1	1107	60703	0	684	733	93 +	105	833	57293	58014
UN31298	#	#	#	#	#	#	#	#	#	#	#
UN31299	Rsa1.0.00336.1	984	445051	1.00E-131	244	246	99 -	689	934	441311	441556
UN31300	Rsa1.0.02856.1	591	27270	0	579	594	97 +	3	591	17681	18274
UN31301	Rsa1.0.01344.1	1039	142535	0	987	1037	95 -	3	1039	7440	8465
UN31302	Rsa1.0.00463.1	726	189177	0	396	406	97 -	152	554	136347	136752
UN31303	Rsa1.0.01984.1	892	36491	0	454	464	97 -	54	517	33332	33792
UN31304	Rsa1.0.03655.1	868	21557	5.00E-12	74	86	86 +	171	256	15643	15728
UN31305	Rsa1.0.00069.1	792	403561	0	750	803	93 +	3	792	56271	57063
UN31306	Rsa1.0.01046.1	767	152989	0	505	534	94 +	234	767	150335	150857
UN31307	Rsa1.0.00317.1	599	218290	0	567	598	94 -	1	592	37267	37863
UN31308	Rsa1.0.01957.1	1029	36844	0	982	1036	94 -	2	1029	35332	36348
UN31309	Rsa1.0.03782.1	760	20891	0	713	719	99 -	44	760	3680	4398
UN31310	Rsa1.0.04915.1	974	15461	3.00E-38	178	206	86 +	749	953	2360	2563
UN31311	Rsa1.0.00726.1	896	66734	1.00E-143	264	266	99 +	228	493	44023	44288
UN31312	Rsa1.0.00133.1	1035	123768	7.00E-98	405	479	84 +	253	724	114004	114465
UN31313	Rsa1.0.02473.1	981	31083	5.00E-77	189	200	94 -	786	981	20469	20666
UN31314	Rsa1.0.03333.1	537	23662	0	486	496	97 -	3	498	776	1271
UN31315	Rsa1.0.01018.1	545	56685	0	522	568	91 +	1	545	25204	25771

UN31316	Rsa1.0_01377.1	642	46967	0	458	490	93 -	106	583	13882	14371
UN31317	Rsa1.0_03399.1	1076	23204	0	380	386	98 +	303	688	20073	20458
UN31318	Rsa1.0_01247.1	1222	49934	0	1022	1077	94 +	157	1222	25761	26827
UN31319	Rsa1.0_00026.1	1258	327835	0	511	529	96 -	2	527	286841	287369
UN31320	Rsa1.0_03225.1	461	24500	0	447	463	96 +	2	461	14607	15068
UN31321	Rsa1.0_07263.1	743	9644	0	501	548	91 +	89	636	4446	4993
UN31322	Rsa1.0_02886.1	935	27026	0	697	727	95 -	224	935	4912	5636
UN31323	Rsa1.0_02170.1	990	34352	0	816	899	90 +	1	899	583	1481
UN31324	Rsa1.0_08729.1	1067	6994	0	532	539	98 -	3	541	4896	5434
UN31325	Rsa1.0_05380.1	1113	13968	1.00E-173	446	492	90 +	570	1033	9798	10287
UN31326	Rsa1.0_00162.1	1221	239935	3.00E-20	82	92	89 -	78	169	36859	36950
UN31327	Rsa1.0_01037.1	1354	55969	0	348	354	98 +	479	831	35713	36066
UN31328	Rsa1.0_03195.1	1135	24673	0	1091	1138	95 -	3	1135	12173	13293
UN31329	Rsa1.0_53634.1	724	425	2.00E-69	164	174	94 -	3	176	76	249
UN31330	Rsa1.0_03643.1	776	21607	0	501	503	99 -	2	504	388	890
UN31331	Rsa1.0_05701.1	1271	12884	0	557	581	95 -	464	1041	10156	10736
UN31332	Rsa1.0_15662.1	876	2495	0	522	543	96 +	3	531	1917	2459
UN31333	Rsa1.0_00991.1	878	143101	0	518	521	99 +	358	878	11971	12491
UN31334	Rsa1.0_00435.1	469	317579	1.00E-142	346	378	91 +	94	468	72603	72963
UN31335	Rsa1.0_00100.1	752	249232	0	402	412	97 -	239	650	188897	189308
UN31336	Rsa1.0_05897.1	523	12302	0	508	521	97 +	3	519	1044	1563
UN31337	Rsa1.0_01865.1	1021	37992	0	390	394	98 -	4	397	9241	9634
UN31338	Rsa1.0_01593.1	1096	150996	1.00E-164	302	305	99 -	420	724	118805	119109
UN31339	Rsa1.0_00920.1	705	601703	6.00E-85	202	216	93 +	484	699	447403	447618
UN31340	Rsa1.0_01628.1	1301	41932	0	1136	1196	94 -	3	1195	433	1627
UN31341	Rsa1.0_03362.1	1235	23453	0	502	512	98 +	724	1235	11585	12096
UN31342	Rsa1.0_16802.1	593	2030	2.00E-44	142	156	91 +	137	290	1116	1271
UN31343	Rsa1.0_00016.1	571	831256	4.00E-95	267	290	92 -	292	571	293073	293358
UN31344	Rsa1.0_00089.1	512	406142	0	415	427	97 -	88	512	279709	280135
UN31345	Rsa1.0_00204.1	694	109056	0	586	633	92 -	89	694	34434	35066
UN31346	Rsa1.0_00083.1	969	442773	0	657	728	90 -	106	830	432562	433286
UN31347	Rsa1.0_01963.1	1147	36719	1.00E-130	266	276	96 -	871	1146	22261	22536
UN31348	#	#	#	#	#	#	#	#	#	#	#
UN31349	Rsa1.0_01130.1	1058	52929	0	1046	1067	98 +	3	1058	30614	31680
UN31350	Rsa1.0_00226.1	745	105884	0	526	559	94 +	85	632	96851	97406
UN31351	Rsa1.0_00348.1	996	92818	0	829	882	93 +	2	882	16631	17509
UN31352	Rsa1.0_01855.1	1421	38204	0	575	604	95 -	824	1420	30531	31132
UN31353	Rsa1.0_00580.1	1067	74515	3.00E-94	362	422	85 +	38	453	58396	58814
UN31354	Rsa1.0_00034.1	785	260119	8.00E-88	165	165	100 -	3	167	95930	96094

UN31355	Rsa1.0_11860.1	1074	5389	0	424	425	99 +	74	498	1	425
UN31356	Rsa1.0_00413.1	853	86921	1.00E-136	314	333	94 -	518	849	37458	37782
UN31357	Rsa1.0_00104.1	782	368722	1.00E-158	370	391	94 -	403	782	60375	60760
UN31358	#	#	#	#	#	#	#	#	#	#	#
UN31359	Rsa1.0_01148.1	970	52375	0	937	968	96 +	3	970	10006	10966
UN31360	Rsa1.0_00380.1	1633	89748	0	1536	1583	97 -	76	1633	56561	58139
UN31361	Rsa1.0_00270.1	779	101236	0	742	784	94 -	2	779	27554	28337
UN31362	Rsa1.0_00178.1	481	114861	1.00E-113	250	264	94 -	226	481	105971	106232
UN31363	Rsa1.0_00005.1	1081	353093	4.00E-87	174	176	98 +	3	177	186707	186882
UN31364	Rsa1.0_01002.1	822	57063	0	802	822	97 +	3	822	2737	3558
UN31365	Rsa1.0_04456.1	1262	17260	0	593	626	94 -	166	791	2992	3616
UN31366	Rsa1.0_00464.1	1170	82253	1.00E-105	239	253	94 -	288	540	55490	55739
UN31367	Rsa1.0_00121.1	568	278029	0	534	557	95 +	13	568	34359	34912
UN31368	Rsa1.0_02931.1	812	26654	0	546	569	95 +	97	662	22889	23457
UN31369	Rsa1.0_00519.1	733	197864	0	429	431	99 -	298	728	170470	170900
UN31370	Rsa1.0_01023.1	1277	56571	0	483	518	93 +	300	802	45113	45630
UN31371	Rsa1.0_01121.1	1383	53407	0	433	434	99 +	1	434	29085	29518
UN31372	Rsa1.0_03858.1	325	20423	6.00E-37	137	154	88 -	10	163	3868	4018
UN31373	Rsa1.0_00701.1	917	67691	6.00E-61	120	120	100 -	1	120	24584	24703
UN31374	Rsa1.0_00728.1	720	66704	0	409	422	96 +	6	425	59939	60359
UN31375	Rsa1.0_18397.1	703	1606	1.00E-112	241	249	96 -	1	247	160	406
UN31376	Rsa1.0_06173.1	812	11574	0	795	812	97 +	1	812	4085	4892
UN31377	Rsa1.0_00034.1	362	260119	1.00E-144	280	287	97 +	1	287	21517	21803
UN31378	Rsa1.0_00872.1	657	61495	0	631	666	94 -	1	657	29338	30003
UN31379	Rsa1.0_00119.1	623	467509	0	602	645	93 -	1	623	296257	296895
UN31380	Rsa1.0_02964.1	772	26407	1.00E-71	141	142	99 -	70	211	24031	24172
UN31381	Rsa1.0_07157.1	765	9805	1.00E-171	310	312	99 -	126	437	4991	5302
UN31382	Rsa1.0_01993.1	1223	36384	0	1169	1224	95 -	5	1223	33868	35088
UN31383	Rsa1.0_00106.1	802	133916	1.00E-142	328	349	93 -	3	339	62520	62868
UN31384	Rsa1.0_20680.1	789	1280	3.00E-59	305	360	84 +	397	755	316	669
UN31385	Rsa1.0_00581.1	738	163575	0	716	739	96 +	2	738	64748	65486
UN31386	Rsa1.0_76465.1	688	300	3.00E-59	220	253	86 -	294	545	39	291
UN31387	Rsa1.0_00108.1	836	478491	1.00E-113	273	293	93 -	552	835	264650	264941
UN31388	Rsa1.0_00098.1	959	349239	0	928	934	99 +	26	959	141572	142505
UN31389	Rsa1.0_01076.1	1177	54835	0	1027	1079	95 -	2	1077	4130	5208
UN31390	Rsa1.0_14128.1	579	3772	0	466	484	96 +	99	578	2790	3272
UN31391	Rsa1.0_00371.1	506	90463	0	446	459	97 -	53	506	49896	50354
UN31392	Rsa1.0_00069.1	796	403561	1.00E-174	414	448	92 +	352	785	162099	162542
UN31393	Rsa1.0_08327.1	1320	7534	1.00E-103	197	199	98 +	376	574	975	1173

UN31394	Rsa1.0.00055.1	1028	520193	0	834	919	90 +	1	898	198287	199178
UN31395	Rsa1.0.00708.1	587	67366	1.00E-158	304	311	97 -	3	313	64990	65300
UN31396	Rsa1.0.00770.1	1201	64900	0	1162	1210	96 -	2	1201	38707	39915
UN31397	Rsa1.0.00179.1	322	393324	1.00E-116	224	227	98 +	98	322	2943	3169
UN31398	Rsa1.0.00196.1	344	109960	1.00E-151	304	314	96 +	32	343	17790	18103
UN31399	Rsa1.0.00323.1	863	159650	1.00E-166	354	367	96 +	500	863	41034	41396
UN31400	Rsa1.0.01829.1	731	166063	0	717	733	97 -	2	731	155596	156328
UN31401	Rsa1.0.02255.1	1192	148935	1.00E-163	295	296	99 -	553	848	30776	31071
UN31402	Rsa1.0.23640.1	989	1035	3.00E-26	164	194	84 +	529	719	600	793
UN31403	Rsa1.0.00202.1	1059	185895	0	510	554	92 -	378	925	109444	109981
UN31404	Rsa1.0.00959.1	725	58202	0	686	728	94 +	2	725	21529	22239
UN31405	Rsa1.0.01092.1	724	54348	1.00E-179	331	334	99 +	386	718	28430	28763
UN31406	Rsa1.0.00311.1	1224	96847	0	1196	1224	97 +	2	1224	67828	69048
UN31407	Rsa1.0.00329.1	510	222544	1.00E-127	276	289	95 +	145	431	212066	212352
UN31408	Rsa1.0.03113.1	891	25318	0	412	416	99 +	117	531	5606	6021
UN31409	Rsa1.0.01243.1	1050	50061	0	516	531	97 +	400	930	33338	33867
UN31410	Rsa1.0.05325.1	758	14141	0	504	539	93 -	227	757	5181	5711
UN31411	Rsa1.0.02117.1	358	34843	0	352	355	99 +	2	356	10466	10820
UN31412	Rsa1.0.00891.1	687	60724	3.00E-74	154	158	97 +	348	505	30048	30205
UN31413	Rsa1.0.00496.1	561	79834	1.00E-158	283	283	100 -	46	328	27282	27564
UN31414	Rsa1.0.20321.1	902	1318	1.00E-136	294	310	94 +	233	542	880	1189
UN31415	Rsa1.0.00033.1	863	515811	0	736	809	90 -	2	795	36190	36972
UN31416	Rsa1.0.01404.1	665	46452	0	653	658	99 +	3	660	2955	3612
UN31417	Rsa1.0.00490.1	747	186713	0	703	746	94 -	2	745	951	1687
UN31418	Rsa1.0.01300.1	633	48942	0	403	427	94 +	209	632	4954	5376
UN31419	Rsa1.0.02860.1	982	27207	2.00E-55	261	311	83 -	188	498	1577	1887
UN31420	Rsa1.0.01294.1	884	49090	0	754	787	95 +	3	789	6067	6853
UN31421	Rsa1.0.01138.1	698	190615	0	489	506	96 -	2	506	41918	42419
UN31422	Rsa1.0.07621.1	863	9014	1.00E-155	311	322	96 -	132	453	5924	6245
UN31423	Rsa1.0.04594.1	762	16713	0	441	456	96 -	252	707	4849	5301
UN31424	Rsa1.0.00629.1	405	71381	2.00E-34	99	107	92 +	56	162	39296	39402
UN31425	Rsa1.0.03391.1	692	23251	1.00E-170	306	307	99 +	386	692	7167	7473
UN31426	Rsa1.0.01602.1	358	42503	1.00E-102	194	196	98 -	2	197	5974	6169
UN31427	Rsa1.0.02306.1	847	32776	0	564	571	98 -	2	571	10860	11430
UN31428	Rsa1.0.00092.1	799	659932	1.00E-111	211	213	99 -	176	388	159316	159528
UN31429	Rsa1.0.07427.1	1066	9413	0	482	486	99 -	582	1066	4782	5267
UN31430	Rsa1.0.01371.1	1017	47079	5.00E-28	186	224	83 -	751	963	9230	9451
UN31431	Rsa1.0.00055.1	604	520193	0	437	446	97 +	4	449	219322	219764
UN31432	Rsa1.0.00727.1	664	66724	0	527	540	97 -	125	664	56228	56764

UN31433	Rsa1.0.05217.1	952	142938	0	911	962	94 +	2	952	132581	133539
UN31434	Rsa1.0.00123.1	884	325650	0	540	569	94 -	328	884	27493	28056
UN31435	Rsa1.0.00074.1	489	147591	0	483	487	99 -	4	489	31816	32302
UN31436	Rsa1.0.00467.1	762	156542	0	660	680	97 -	38	715	98978	99657
UN31437	Rsa1.0.01945.1	353	36989	1.00E-135	328	356	92 -	3	352	34239	34580
UN31438	#	#	#	#	#	#	#	#	#	#	#
UN31439	Rsa1.0.01130.1	1325	52929	8.00E-83	176	181	97 -	575	754	36009	36189
UN31440	Rsa1.0.00768.1	790	64969	1.00E-77	169	176	96 -	113	288	52475	52650
UN31441	Rsa1.0.00001.1	857	363028	0	554	560	98 +	2	559	1252	1810
UN31442	Rsa1.0.00171.1	378	115622	1.00E-106	260	278	93 +	1	276	90863	91138
UN31443	Rsa1.0.00476.1	880	280966	0	402	426	94 +	17	430	220853	221278
UN31444	Rsa1.0.00497.1	702	79830	0	679	690	98 +	12	700	13715	14404
UN31445	Rsa1.0.00374.1	1233	165738	0	1188	1233	96 -	1	1231	163202	164428
UN31446	Rsa1.0.00727.1	889	66724	0	748	783	95 -	3	779	34131	34901
UN31447	Rsa1.0.00891.1	758	60724	1.00E-125	275	289	95 -	1	285	32482	32770
UN31448	Rsa1.0.00190.1	741	318240	1.00E-107	302	332	90 -	1	329	178690	179014
UN31449	Rsa1.0.01149.1	633	160459	0	471	518	90 -	114	623	4185	4696
UN31450	Rsa1.0.00016.1	755	831256	0	427	427	100 -	324	750	509138	509564
UN31451	Rsa1.0.00256.1	928	102426	2.00E-36	124	138	89 +	726	863	86470	86605
UN31452	Rsa1.0.01797.1	730	39140	1.00E-148	326	344	94 -	388	730	36740	37080
UN31453	Rsa1.0.00228.1	696	105511	1.00E-160	305	311	98 -	386	696	47469	47779
UN31454	Rsa1.0.00706.1	760	291570	2.33E-156	265	266	99 +	183	448	252223	252488
UN31455	Rsa1.0.02796.1	1113	27805	1.00E-139	257	259	99 +	654	912	14770	15028
UN31456	Rsa1.0.00164.1	991	116642	0	462	485	95 +	1	470	652	1136
UN31457	Rsa1.0.03719.1	764	21194	0	713	729	97 +	5	732	19969	20697
UN31458	Rsa1.0.02179.1	1033	34188	0	512	546	93 +	485	1029	14825	15367
UN31459	Rsa1.0.03044.1	767	25791	4.00E-83	166	169	98 -	60	228	8928	9096
UN31460	Rsa1.0.04801.1	1200	15918	1.00E-132	252	256	98 +	122	377	6981	7236
UN31461	Rsa1.0.00319.1	1013	167331	1.00E-145	304	318	95 -	5	322	139312	139629
UN31462	Rsa1.0.00734.1	784	66508	0	504	546	92 -	240	784	8109	8634
UN31463	Rsa1.0.05947.1	496	12142	1.00E-134	255	259	98 +	238	496	656	914
UN31464	Rsa1.0.00710.1	541	67325	0	459	473	97 +	66	537	34879	35351
UN31465	Rsa1.0.07892.1	577	8350	1.00E-175	360	376	95 -	2	377	1253	1628
UN31466	Rsa1.0.14084.1	323	3822	5.00E-99	225	237	94 -	91	323	2559	2795
UN31467	Rsa1.0.01070.1	1124	55099	2.00E-92	230	248	92 -	224	465	7057	7303
UN31468	Rsa1.0.00835.1	1013	278058	2.00E-82	171	176	97 -	117	292	131761	131936
UN31469	Rsa1.0.02602.1	1286	29653	0	496	511	97 +	776	1286	13714	14222
UN31470	Rsa1.0.46067.1	855	490	0	389	390	99 +	466	855	1	390
UN31471	Rsa1.0.13909.1	798	4110	0	403	417	96 +	385	796	3100	3516

UN31472	Rsa1.0.00552.1	722	206757	0	383	394	97 -	3	396	75228	75621
UN31473	Rsa1.0.01959.1	718	36798	1.00E-133	377	417	90 +	305	718	10612	11017
UN31474	Rsa1.0.11808.1	688	5402	0	682	686	99 -	3	686	4290	4975
UN31475	Rsa1.0.01320.1	1306	48271	0	643	675	95 +	632	1306	10140	10788
UN31476	Rsa1.0.05707.1	1262	12872	0	775	802	96 +	2	800	12074	12872
UN31477	Rsa1.0.02183.1	1245	34170	0	1211	1244	97 +	3	1245	23329	24572
UN31478	Rsa1.0.03379.1	1450	23321	0	571	589	96 -	863	1450	13619	14204
UN31479	Rsa1.0.00170.1	956	179538	0	667	679	98 -	2	673	42788	43466
UN31480	Rsa1.0.00734.1	482	66508	0	453	484	93 +	2	481	9701	10177
UN31481	Rsa1.0.04557.1	1319	145048	4.00E-38	180	210	85 -	125	327	138733	138942
UN31482	Rsa1.0.05321.1	750	14154	0	652	659	98 +	1	659	12706	13364
UN31483	Rsa1.0.04590.1	775	16731	1.00E-89	168	168	100 +	3	170	16344	16511
UN31484	Rsa1.0.00085.1	908	142226	1.00E-180	356	368	96 -	239	606	50813	51180
UN31485	Rsa1.0.10165.1	1289	5966	0	596	599	99 -	322	919	4642	5240
UN31486	Rsa1.0.22463.1	717	1119	0	506	513	98 +	172	683	437	949
UN31487	Rsa1.0.00047.1	558	168582	1.00E-169	485	548	88 -	1	536	5383	5907
UN31488	Rsa1.0.06010.1	784	11944	1.00E-125	261	272	95 +	253	524	2070	2341
UN31489	Rsa1.0.00001.1	706	363028	0	347	347	100 -	360	706	3961	4307
UN31490	Rsa1.0.03992.1	268	19675	3.00E-97	244	263	92 -	7	268	16243	16493
UN31491	Rsa1.0.32277.1	1241	705	0	339	340	99 -	293	632	195	534
UN31492	Rsa1.0.01012.1	527	56836	1.00E-112	266	281	94 -	5	283	26363	26640
UN31493	Rsa1.0.00273.1	924	326186	0	578	602	96 +	330	924	135885	136485
UN31494	Rsa1.0.00073.1	631	240924	0	424	428	99 +	202	629	62674	63101
UN31495	Rsa1.0.03851.1	1291	20451	0	831	845	98 +	447	1291	2612	3455
UN31496	Rsa1.0.04519.1	881	17004	1.00E-137	347	380	91 +	319	698	15237	15616
UN31497	Rsa1.0.17091.1	569	1925	1.00E-111	227	235	96 -	52	286	1697	1925
UN31498	Rsa1.0.00040.1	586	324196	1.00E-116	256	268	95 +	260	527	265642	265906
UN31499	Rsa1.0.00401.1	584	244410	1.00E-95	200	206	97 +	345	550	198211	198415
UN31500	Rsa1.0.01703.1	1057	40713	0	594	604	98 +	453	1055	30831	31428
UN31501	Rsa1.0.00617.1	761	72199	0	714	763	93 +	7	761	65794	66537
UN31502	Rsa1.0.04123.1	822	18947	0	781	820	95 -	1	811	7664	8473
UN31503	Rsa1.0.01532.1	1128	43767	0	544	554	98 -	576	1128	18099	18652
UN31504	Rsa1.0.02686.1	1059	28666	2.00E-27	104	116	89 -	26	140	24441	24556
UN31505	Rsa1.0.00324.1	994	218805	1.00E-141	255	255	100 +	3	257	134230	134484
UN31506	Rsa1.0.00493.1	432	80007	1.00E-151	273	274	99 -	153	426	33555	33828
UN31507	Rsa1.0.00062.1	1448	299291	0	325	325	100 -	285	609	25254	25578
UN31508	Rsa1.0.00056.1	701	332604	7.00E-88	168	169	99 +	3	171	58302	58470
UN31509	Rsa1.0.06502.1	565	10884	0	560	562	99 -	4	565	9223	9782
UN31510	Rsa1.0.08079.1	838	7942	5.00E-86	351	405	86 -	263	652	3934	4320

UN31511	Rsa1.0.02294.1	1178	32940	1.00E-112	228	235	97 -	374	608	14742	14976
UN31512	Rsa1.0.03669.1	396	147114	1.00E-134	251	254	98 +	3	256	18910	19163
UN31513	Rsa1.0.00607.1	727	73146	8.00E-26	116	133	87 +	142	273	55128	55260
UN31514	Rsa1.0.01110.1	1257	195852	0	1025	1053	97 -	179	1229	41135	42178
UN31515	Rsa1.0.07311.1	1258	9567	0	803	821	97 +	435	1253	5239	6053
UN31516	Rsa1.0.16561.1	643	2111	0	350	351	99 -	293	643	473	823
UN31517	Rsa1.0.02685.1	1174	28669	0	1131	1167	96 -	1	1166	6980	8142
UN31518	Rsa1.0.00033.1	708	515811	0	432	448	96 -	261	707	13347	13790
UN31519	Rsa1.0.00469.1	1134	82084	0	453	490	92 -	4	493	29744	30210
UN31520	Rsa1.0.00304.1	879	97429	0	737	776	94 +	100	868	15440	16205
UN31521	Rsa1.0.00999.1	1023	57162	0	623	710	87 +	313	1019	24328	25037
UN31522	Rsa1.0.05122.1	1057	14791	3.00E-14	57	62	91 -	883	944	7784	7845
UN31523	Rsa1.0.00108.1	590	478491	0	572	587	97 -	2	588	139032	139616
UN31524	Rsa1.0.00005.1	755	353093	9.00E-66	143	148	96 -	422	569	123878	124025
UN31525	Rsa1.0.00092.1	1115	659932	0	573	604	94 +	523	1113	115128	115731
UN31526	#	#	#	#	#	#	#	#	#	#	#
UN31527	Rsa1.0.01990.1	656	36431	0	573	610	93 -	55	656	25295	25894
UN31528	Rsa1.0.00072.1	904	148743	1.00E-74	380	457	83 -	297	752	138451	138904
UN31529	Rsa1.0.01228.1	823	50238	1.00E-169	387	411	94 -	416	822	36590	36993
UN31530	Rsa1.0.00965.1	919	58139	5.00E-77	171	179	95 +	544	717	5450	5628
UN31531	Rsa1.0.02095.1	1307	35071	0	394	406	97 -	3	406	27513	27918
UN31532	Rsa1.0.00365.1	646	90902	1.00E-106	196	196	100 -	13	208	76076	76271
UN31533	Rsa1.0.01172.1	860	51734	1.00E-157	423	471	89 +	29	475	43170	43637
UN31534	Rsa1.0.00028.1	1163	293984	0	1002	1062	94 +	121	1162	171366	172422
UN31535	Rsa1.0.02386.1	1095	31895	0	974	1019	95 -	60	1075	16107	17116
UN31536	Rsa1.0.08690.1	1041	7035	0	1014	1042	97 -	2	1041	1360	2401
UN31537	Rsa1.0.04790.1	1008	15979	1.00E-123	281	301	93 -	464	764	7655	7947
UN31538	Rsa1.0.00028.1	778	293984	0	393	406	96 +	77	474	35793	36198
UN31539	Rsa1.0.03074.1	716	25568	8.00E-60	124	126	98 -	61	186	18286	18411
UN31540	Rsa1.0.45805.1	646	492	0	462	499	92 +	130	613	1	492
UN31541	Rsa1.0.04428.1	810	17399	0	585	618	94 +	202	810	12946	13562
UN31542	Rsa1.0.02951.1	1187	26505	3.00E-66	180	197	91 +	155	342	12687	12882
UN31543	Rsa1.0.08015.1	878	8078	0	453	455	99 +	2	456	799	1253
UN31544	Rsa1.0.01453.1	776	45449	0	630	645	97 +	105	745	39836	40480
UN31545	Rsa1.0.03420.1	764	23090	7.00E-88	168	169	99 -	3	171	10212	10380
UN31546	Rsa1.0.01412.1	1036	46311	1.00E-130	240	241	99 +	382	622	44279	44519
UN31547	Rsa1.0.00099.1	1143	159619	0	455	484	94 +	670	1141	86577	87057
UN31548	Rsa1.0.02863.1	381	27160	1.00E-130	280	291	96 +	3	291	14533	14822
UN31549	Rsa1.0.00023.1	724	194764	1.00E-132	284	301	94 +	159	447	97015	97315

UN31550	#	#	#	#	#	#	#	#	#	#	#	#
UN31551	Rsa1.0_00790.1	1327	148693	1.00E-167	340	353	96 -	531	883	57271	57620	
UN31552	Rsa1.0_00202.1	1178	185895	1.00E-177	351	363	96 +	343	705	132956	133318	
UN31553	Rsa1.0_01801.1	813	39094	1.00E-177	402	426	94 +	390	813	29263	29681	
UN31554	Rsa1.0_06250.1	747	11392	1.00E-159	407	448	90 -	264	711	10695	11142	
UN31555	Rsa1.0_00016.1	704	831256	5.00E-21	162	197	82 -	192	387	685056	685252	
UN31556	Rsa1.0_00615.1	808	72235	0	470	472	99 +	337	808	42388	42859	
UN31557	Rsa1.0_04831.1	719	15799	1.00E-150	362	389	93 -	339	719	551	939	
UN31558	Rsa1.0_14127.1	861	3776	0	812	861	94 -	1	861	54	913	
UN31559	Rsa1.0_07185.1	487	9772	0	361	367	98 +	118	484	8608	8974	
UN31560	Rsa1.0_00034.1	869	260119	1.00E-112	249	261	95 -	4	262	95930	96189	
UN31561	Rsa1.0_01564.1	1068	43169	0	366	379	96 +	375	750	39700	40078	
UN31562	Rsa1.0_02739.1	435	28304	1.00E-115	249	259	96 +	176	434	9186	9442	
UN31563	Rsa1.0_03191.1	1275	145762	1.00E-130	299	317	94 -	957	1271	22161	22472	
UN31564	Rsa1.0_28940.1	663	798	0	365	375	97 +	97	471	160	534	
UN31565	Rsa1.0_00218.1	1368	201480	0	737	777	94 +	1	775	106463	107239	
UN31566	Rsa1.0_01236.1	722	50156	0	371	382	97 -	342	722	18770	19151	
UN31567	Rsa1.0_00002.1	1049	601661	0	453	467	97 +	171	634	49764	50230	
UN31568	Rsa1.0_00098.1	924	349239	0	429	458	93 -	356	807	288875	289329	
UN31569	Rsa1.0_60576.1	787	378	3.00E-93	196	201	97 -	232	429	1	201	
UN31570	Rsa1.0_04835.1	1096	15766	0	655	669	97 +	244	909	2483	3151	
UN31571	Rsa1.0_00119.1	1259	467509	1.00E-126	356	400	89 +	689	1068	283987	284385	
UN31572	Rsa1.0_31264.1	772	731	0	356	366	97 -	34	399	105	470	
UN31573	Rsa1.0_04372.1	658	17692	0	552	602	91 +	1	599	9891	10481	
UN31574	Rsa1.0_06075.1	522	11805	0	409	412	99 -	111	522	6346	6757	
UN31575	Rsa1.0_02960.1	1005	26440	0	971	1004	96 -	2	999	7526	8528	
UN31576	Rsa1.0_00341.1	715	249309	1.00E-116	292	314	92 +	42	354	221644	221946	
UN31577	Rsa1.0_00131.1	136	432233	4.00E-45	122	132	92 +	1	132	414468	414599	
UN31578	Rsa1.0_01893.1	808	37520	0	655	725	90 +	1	697	5003	5713	
UN31579	Rsa1.0_01824.1	543	38733	0	472	497	94 -	48	543	26486	26981	
UN31580	Rsa1.0_00912.1	538	59923	0	523	548	95 -	2	538	47588	48133	
UN31581	Rsa1.0_00266.1	730	163932	0	588	615	95 -	1	615	155113	155719	
UN31582	Rsa1.0_00037.1	732	307838	1.00E-149	299	309	96 +	60	365	260310	260618	
UN31583	Rsa1.0_12425.1	805	5229	0	403	421	95 -	1	416	4583	5003	
UN31584	Rsa1.0_00680.1	768	68969	1.00E-147	357	388	92 +	350	737	38212	38599	
UN31585	Rsa1.0_02500.1	1305	30768	0	869	912	95 +	412	1305	10187	11097	
UN31586	Rsa1.0_01796.1	715	39154	2.33E-156	287	295	97 +	396	690	18541	18835	
UN31587	Rsa1.0_00463.1	612	189177	1.00E-161	323	335	96 +	238	572	135462	135796	
UN31588	Rsa1.0_01474.1	1147	45070	0	463	480	96 -	1	477	40421	40897	

UN31589	Rsa1.0.02769.1	656	28107	0	453	467	97 +	1	466	10779	11239
UN31590	Rsa1.0.03393.1	735	23247	5.00E-95	201	209	96 +	2	210	18252	18460
UN31591	Rsa1.0.00826.1	821	166736	1.00E-122	268	282	95 +	1	281	152511	152792
UN31592	#	#	#	#	#	#	#	#	#	#	#
UN31593	Rsa1.0.00713.1	915	158017	0	437	446	97 -	395	838	44813	45258
UN31594	Rsa1.0.00660.1	874	69688	0	814	878	92 +	2	868	14759	15633
UN31595	Rsa1.0.00507.1	951	79074	1.00E-155	314	326	96 -	51	376	10817	11142
UN31596	Rsa1.0.22545.1	917	1111	0	677	690	98 +	228	917	186	875
UN31597	Rsa1.0.01034.1	1041	56046	1.00E-122	312	343	90 -	723	1041	39790	40132
UN31598	Rsa1.0.01877.1	601	37789	1.00E-150	417	468	89 +	135	601	28390	28823
UN31599	Rsa1.0.04153.1	529	18807	1.00E-114	430	499	86 +	4	474	17746	18231
UN31600	Rsa1.0.00582.1	925	74333	0	766	797	96 +	129	925	68711	69506
UN31601	Rsa1.0.00509.1	886	78829	0	855	903	94 +	1	886	54960	55855
UN31602	Rsa1.0.00083.1	825	442773	0	814	824	98 -	2	825	336419	337241
UN31603	Rsa1.0.00147.1	265	249503	5.00E-68	196	213	92 +	58	265	155738	155949
UN31604	Rsa1.0.01307.1	682	48685	0	630	653	96 -	30	682	47461	48108
UN31605	Rsa1.0.00964.1	503	316648	1.00E-171	459	509	90 +	4	503	264774	265260
UN31606	Rsa1.0.00434.1	601	85171	1.00E-110	220	226	97 -	258	483	23065	23290
UN31607	Rsa1.0.13478.1	874	4790	9.00E-17	79	90	87 -	107	196	2784	2873
UN31608	Rsa1.0.03298.1	635	23956	0	405	418	96 -	5	422	21716	22133
UN31609	Rsa1.0.00045.1	460	328694	6.00E-75	161	166	96 +	1	164	2831	2996
UN31610	Rsa1.0.13350.1	1104	4897	0	587	618	94 +	261	872	3063	3680
UN31611	Rsa1.0.00153.1	1052	192931	0	633	681	92 -	377	1052	13944	14613
UN31612	Rsa1.0.08221.1	1238	7700	0	1018	1037	98 +	2	1038	5425	6460
UN31613	Rsa1.0.00372.1	1115	90418	1.00E-118	259	273	94 -	844	1111	81695	81967
UN31614	Rsa1.0.02116.1	1127	34853	0	1052	1082	97 +	2	1079	2335	3405
UN31615	Rsa1.0.00243.1	554	103651	8.00E-84	188	198	94 +	84	281	24031	24228
UN31616	Rsa1.0.03892.1	738	20221	0	364	370	98 +	369	738	5809	6178
UN31617	Rsa1.0.03808.1	843	20732	8.00E-54	184	208	88 +	536	742	5623	5830
UN31618	Rsa1.0.00549.1	1168	76473	0	432	462	93 +	108	569	20132	20572
UN31619	Rsa1.0.02187.1	1152	34113	0	511	540	94 +	613	1151	22094	22633
UN31620	Rsa1.0.00105.1	696	134138	0	649	687	94 -	10	696	99013	99696
UN31621	Rsa1.0.01916.1	576	37305	0	414	421	98 -	4	423	35097	35516
UN31622	Rsa1.0.00306.1	1017	146760	0	529	568	93 -	12	567	88781	89346
UN31623	Rsa1.0.02196.1	699	34005	1.00E-156	311	320	97 +	353	672	13487	13805
UN31624	Rsa1.0.00097.1	800	138858	0	526	556	94 -	5	559	104581	105118
UN31625	Rsa1.0.03826.1	683	20614	0	545	590	92 +	5	590	15449	16023
UN31626	Rsa1.0.00120.1	858	277288	0	841	852	98 +	5	856	10514	11365
UN31627	Rsa1.0.00877.1	754	61305	0	395	415	95 -	4	415	809	1223

UN31628	Rsa1.0.00160.1	802	346678	2.00E-91	192	199	96 -	604	802	188085	188283
UN31629	Rsa1.0.00124.1	717	262503	0	660	716	92 -	2	717	41036	41736
UN31630	Rsa1.0.08034.1	825	8041	1.00E-123	372	417	89 +	1	415	4267	4682
UN31631	Rsa1.0.00078.1	590	175053	0	555	584	95 +	15	589	47944	48524
UN31632	Rsa1.0.11948.1	565	5363	1.00E-110	233	243	95 -	1	243	3716	3958
UN31633	Rsa1.0.10681.1	697	5757	0	634	679	93 -	1	678	39	703
UN31634	Rsa1.0.02597.1	567	29694	1.00E-100	195	198	98 -	82	279	3796	3993
UN31635	Rsa1.0.03550.1	1239	22154	1.00E-135	293	306	95 -	8	307	4755	5060
UN31636	Rsa1.0.01410.1	832	46345	1.00E-128	293	311	94 +	2	302	25238	25545
UN31637	Rsa1.0.00278.1	573	231896	0	502	546	91 -	1	527	164062	164597
UN31638	Rsa1.0.00734.1	807	66508	1.00E-157	320	330	96 -	11	340	6515	6842
UN31639	Rsa1.0.05117.1	592	14801	0	573	596	96 +	1	591	4101	4696
UN31640	Rsa1.0.00137.1	465	122457	0	440	465	94 -	1	462	60912	61375
UN31641	Rsa1.0.00189.1	983	111830	7.00E-24	156	186	83 -	299	483	35350	35534
UN31642	Rsa1.0.02165.1	1072	34423	1.00E-132	275	288	95 -	1	279	11169	11456
UN31643	Rsa1.0.00812.1	1064	63233	1.00E-160	344	361	95 -	323	682	13929	14286
UN31644	Rsa1.0.00951.1	524	164588	2.00E-59	129	133	96 +	391	523	42769	42901
UN31645	Rsa1.0.00104.1	561	368722	1.00E-171	405	433	93 -	3	427	32684	33111
UN31646	Rsa1.0.01280.1	789	49321	1.00E-64	132	134	98 +	342	475	38226	38359
UN31647	Rsa1.0.00026.1	1120	327835	0	1063	1114	95 +	5	1118	287929	289041
UN31648	Rsa1.0.00008.1	982	358124	1.00E-178	467	514	90 +	81	581	3365	3876
UN31649	Rsa1.0.02196.1	909	34005	0	348	348	100 -	3	350	9104	9451
UN31650	Rsa1.0.00682.1	1113	68680	1.00E-124	288	308	93 +	505	812	55293	55596
UN31651	#	#	#	#	#	#	#	#	#	#	#
UN31652	#	#	#	#	#	#	#	#	#	#	#
UN31653	Rsa1.0.00851.1	732	62181	0	696	739	94 +	1	731	20352	21071
UN31654	Rsa1.0.00338.1	1062	94109	0	541	579	93 -	4	567	67182	67749
UN31655	Rsa1.0.00537.1	513	186980	1.00E-109	350	402	87 -	45	443	17447	17810
UN31656	Rsa1.0.02632.1	1349	29316	1.00E-174	338	347	97 +	973	1319	6014	6360
UN31657	Rsa1.0.00330.1	824	94666	0	778	817	95 +	1	817	34794	35610
UN31658	Rsa1.0.03114.1	912	25318	0	643	674	95 -	252	912	24567	25240
UN31659	Rsa1.0.00092.1	977	659932	3.00E-81	180	189	95 +	787	975	134776	134958
UN31660	Rsa1.0.00203.1	536	109129	1.00E-106	243	258	94 +	3	257	79791	80043
UN31661	Rsa1.0.04739.1	601	16167	1.00E-58	280	336	83 +	147	445	10684	11017
UN31662	Rsa1.0.00266.1	815	163932	0	397	399	99 -	1	399	87765	88162
UN31663	Rsa1.0.03397.1	1423	23210	0	809	815	99 -	81	895	17115	17928
UN31664	Rsa1.0.00010.1	1036	294827	0	963	1003	96 -	1	1000	112702	113704
UN31665	Rsa1.0.01053.1	719	55483	1.00E-176	343	353	97 +	18	370	38475	38827
UN31666	Rsa1.0.04611.1	1118	16647	1.00E-177	331	336	98 -	1	332	14537	14872

UN31667	Rsa1.0.06156.1	838	11606	0	363	367	98 -	1	367	5698	6064
UN31668	Rsa1.0.08837.1	675	6874	2.00E-91	183	187	97 +	148	334	784	970
UN31669	Rsa1.0.00168.1	779	115870	2.00E-69	147	150	98 +	5	153	82135	82284
UN31670	Rsa1.0.01280.1	252	49321	1.00E-117	237	245	96 +	5	249	2815	3059
UN31671	Rsa1.0.00307.1	956	199003	1.00E-74	221	246	89 -	136	380	86697	86936
UN31672	Rsa1.0.01292.1	861	175783	0	570	599	95 -	258	848	158406	159003
UN31673	Rsa1.0.00041.1	806	186197	1.00E-172	412	447	92 -	43	489	108853	109299
UN31674	Rsa1.0.02228.1	1010	33688	1.00E-116	245	255	96 +	22	276	7874	8125
UN31675	Rsa1.0.03165.1	1119	24866	0	357	358	99 +	241	598	17754	18111
UN31676	Rsa1.0.00252.1	789	102760	5.00E-92	172	172	100 +	237	408	97383	97554
UN31677	Rsa1.0.00201.1	790	232851	0	732	760	96 +	31	789	102218	102975
UN31678	Rsa1.0.54746.1	762	417	0	369	369	100 -	79	447	13	381
UN31679	Rsa1.0.00638.1	772	71037	0	528	545	96 +	225	769	35562	36106
UN31680	Rsa1.0.02810.1	753	27671	0	749	753	99 +	2	752	20754	21506
UN31681	Rsa1.0.00398.1	289	88007	1.00E-133	276	288	95 -	1	288	70447	70734
UN31682	Rsa1.0.02903.1	440	26901	4.00E-82	273	308	88 -	16	319	6362	6656
UN31683	Rsa1.0.00066.1	674	152418	0	451	481	93 +	3	468	37144	37622
UN31684	Rsa1.0.00085.1	1083	142226	0	1014	1111	91 -	2	1082	83359	84445
UN31685	Rsa1.0.01452.1	781	45459	0	409	417	98 -	2	418	24572	24987
UN31686	Rsa1.0.33623.1	853	674	3.00E-93	250	274	91 -	1	273	24	282
UN31687	Rsa1.0.03569.1	832	22041	0	793	834	95 -	1	832	7659	8486
UN31688	Rsa1.0.02794.1	1055	27820	0	535	550	97 +	252	801	618	1167
UN31689	Rsa1.0.01191.1	772	51235	1.00E-107	256	274	93 -	18	290	11275	11543
UN31690	Rsa1.0.00938.1	1255	193891	0	690	745	92 +	516	1254	184299	185021
UN31691	Rsa1.0.02804.1	759	27712	1.00E-158	348	366	95 -	13	378	14662	15023
UN31692	Rsa1.0.01425.1	644	46136	1.00E-123	278	295	94 +	350	644	37603	37895
UN31693	Rsa1.0.06455.1	785	10983	0	431	446	96 -	2	447	3383	3826
UN31694	Rsa1.0.00090.1	748	273859	0	429	440	97 -	245	684	78888	79327
UN31695	Rsa1.0.07604.1	524	9041	3.00E-43	202	234	86 -	19	251	7520	7750
UN31696	Rsa1.0.01017.1	998	56714	1.00E-130	283	296	95 +	616	909	12736	13030
UN31697	Rsa1.0.07692.1	723	132338	0	647	717	90 +	1	714	4271	4982
UN31698	Rsa1.0.03646.1	841	21598	0	813	845	96 +	1	841	18024	18857
UN31699	Rsa1.0.04594.1	1085	16713	1.00E-110	211	214	98 -	837	1050	10437	10650
UN31700	Rsa1.0.04602.1	418	16684	1.00E-102	284	313	90 +	1	309	6712	7022
UN31701	Rsa1.0.00069.1	1106	403561	0	1079	1106	97 -	1	1103	61558	62663
UN31702	Rsa1.0.07834.1	521	8453	0	492	537	91 +	3	520	4876	5403
UN31703	Rsa1.0.01753.1	1201	39794	0	772	802	96 -	1	793	10586	11386
UN31704	Rsa1.0.01513.1	1002	44234	1.00E-126	276	291	94 -	50	337	20353	20643
UN31705	Rsa1.0.00604.1	1212	146282	1.00E-161	621	728	85 -	479	1173	36489	37205

UN31706	Rsa1.0_00341.1	939	249309	1.00E-119	242	250	96 +	1	250	142116	142365
UN31707	Rsa1.0_05541.1	1172	139959	0	984	1032	95 +	1	1024	622	1649
UN31708	Rsa1.0_00092.1	605	659932	1.00E-147	494	572	86 +	11	555	145939	146488
UN31709	Rsa1.0_03848.1	886	20472	0	861	886	97 -	1	886	17556	18441
UN31710	Rsa1.0_01930.1	740	37189	2.00E-32	84	88	95 +	630	717	36867	36954
UN31711	Rsa1.0_00092.1	751	659932	1.00E-152	318	333	95 -	237	569	191762	192094
UN31712	Rsa1.0_04118.1	1105	18968	4.00E-87	192	200	96 +	497	696	5386	5584
UN31713	Rsa1.0_00270.1	462	101236	1.00E-133	277	289	95 -	171	459	67160	67448
UN31714	Rsa1.0_02187.1	540	34113	1.00E-139	283	291	97 -	1	291	26398	26686
UN31715	Rsa1.0_02005.1	575	36137	2.00E-81	237	267	88 -	1	265	5599	5845
UN31716	Rsa1.0_06349.1	383	11199	1.00E-113	317	354	89 +	13	342	7030	7381
UN31717	Rsa1.0_00115.1	686	131321	2.00E-51	131	140	93 +	468	607	97626	97765
UN31718	Rsa1.0_00698.1	893	67816	5.00E-12	65	74	87 -	377	450	46381	46454
UN31719	Rsa1.0_00837.1	610	62568	0	408	425	96 +	42	464	47643	48067
UN31720	Rsa1.0_00991.1	621	143101	0	564	588	95 -	6	582	29619	30205
UN31721	Rsa1.0_01677.1	776	41140	0	747	777	96 -	1	775	25643	26418
UN31722	Rsa1.0_00018.1	670	410899	1.00E-135	384	428	89 -	162	577	260194	260611
UN31723	Rsa1.0_00205.1	777	193401	0	741	783	94 +	1	777	183995	184772
UN31724	Rsa1.0_00045.1	890	328694	0	731	747	97 +	143	888	267123	267868
UN31725	Rsa1.0_02774.1	780	28038	0	381	384	99 -	382	765	3942	4325
UN31726	Rsa1.0_00720.1	980	66931	7.00E-33	116	129	89 -	608	735	32088	32216
UN31727	Rsa1.0_04762.1	687	16101	0	515	540	95 -	2	539	12732	13270
UN31728	Rsa1.0_00479.1	807	81377	0	403	405	99 -	2	406	32372	32776
UN31729	Rsa1.0_04773.1	938	16037	0	520	535	97 +	1	535	15086	15620
UN31730	Rsa1.0_01297.1	609	49029	1.00E-129	278	290	95 +	1	288	48114	48402
UN31731	Rsa1.0_15346.1	635	2667	0	629	635	99 -	1	634	1787	2421
UN31732	Rsa1.0_00226.1	645	105884	0	616	660	93 +	2	643	8894	9544
UN31733	Rsa1.0_03670.1	1050	21461	1.00E-105	357	410	87 +	642	1048	5584	5985
UN31734	Rsa1.0_00487.1	741	80674	1.00E-162	351	373	94 +	369	741	5689	6052
UN31735	Rsa1.0_00644.1	569	136881	0	552	567	97 +	4	568	68709	69273
UN31736	Rsa1.0_00239.1	643	104332	1.00E-165	373	394	94 -	242	633	52400	52791
UN31737	Rsa1.0_00683.1	1225	68638	0	874	900	97 +	325	1224	39444	40343
UN31738	Rsa1.0_05140.1	841	14710	1.00E-122	274	290	94 -	2	280	5331	5619
UN31739	Rsa1.0_00816.1	970	403350	0	583	622	93 -	344	951	380010	380630
UN31740	Rsa1.0_03032.1	1188	25836	1.00E-176	353	365	96 +	334	698	11564	11927
UN31741	Rsa1.0_00119.1	613	467509	0	391	411	95 -	126	534	299443	299850
UN31742	Rsa1.0_00234.1	1092	197060	0	829	876	94 -	23	890	146490	147359
UN31743	Rsa1.0_01315.1	874	48361	0	414	436	94 +	9	439	45695	46129
UN31744	Rsa1.0_02415.1	1183	31609	0	780	821	95 +	1	813	17718	18534

UN31745	Rsa1.0.00301.1	689	365315	0	666	689	96 -	1	689	84861	85537
UN31746	Rsa1.0.00687.1	238	68494	1.00E-101	228	240	95 +	1	238	1924	2160
UN31747	Rsa1.0.04444.1	763	17320	1.00E-140	258	260	99 +	2	261	8629	8888
UN31748	Rsa1.0.00373.1	656	90296	1.00E-116	275	292	94 +	86	374	72536	72827
UN31749	Rsa1.0.00302.1	772	97521	0	525	551	95 -	42	589	40480	41026
UN31750	Rsa1.0.11704.1	730	5437	1.00E-140	338	361	93 +	20	375	4913	5270
UN31751	Rsa1.0.00770.1	1075	64900	0	400	410	97 +	530	939	55415	55824
UN31752	Rsa1.0.00502.1	215	204180	3.00E-84	202	214	94 +	1	214	55521	55727
UN31753	Rsa1.0.00999.1	1062	57162	0	620	659	94 -	398	1056	22435	23087
UN31754	Rsa1.0.00748.1	795	65983	0	415	447	92 +	346	792	11037	11464
UN31755	Rsa1.0.00009.1	1186	232558	1.00E-151	298	306	97 -	170	472	231520	231825
UN31756	Rsa1.0.00302.1	562	97521	0	474	510	92 -	57	561	684	1192
UN31757	Rsa1.0.02682.1	1059	28711	0	608	641	94 +	219	858	18742	19380
UN31758	Rsa1.0.00586.1	1188	163802	0	1137	1171	97 -	27	1188	3987	5155
UN31759	Rsa1.0.00463.1	922	189177	1.00E-165	321	330	97 -	1	325	107992	108321
UN31760	Rsa1.0.00015.1	514	561803	1.00E-156	398	438	90 +	2	415	16508	16943
UN31761	Rsa1.0.06189.1	923	11525	0	476	486	97 +	1	486	8115	8599
UN31762	Rsa1.0.02190.1	608	34084	0	484	504	96 +	24	514	6059	6562
UN31763	Rsa1.0.09125.1	609	6625	0	578	610	94 -	1	609	1382	1990
UN31764	Rsa1.0.08840.1	1285	6871	1.00E-84	452	547	82 -	628	1172	6144	6689
UN31765	Rsa1.0.01140.1	264	52586	3.00E-44	150	167	89 -	94	260	24961	25125
UN31766	Rsa1.0.00188.1	862	112020	0	642	685	93 +	157	832	99632	100308
UN31767	Rsa1.0.02043.1	1163	163754	0	936	960	97 +	1	960	16874	17832
UN31768	#	#	#	#	#	#	#	#	#	#	#
UN31769	Rsa1.0.00412.1	1375	86935	0	924	981	94 -	14	983	18909	19871
UN31770	Rsa1.0.00538.1	1174	77149	0	917	1013	90 +	105	1108	64133	65118
UN31771	Rsa1.0.01626.1	1134	41989	0	495	506	97 +	309	814	23348	23850
UN31772	Rsa1.0.00021.1	777	263655	3.00E-50	372	462	80 +	258	719	143335	143796
UN31773	Rsa1.0.02930.1	1014	26668	0	988	1014	97 -	8	1014	8975	9985
UN31774	Rsa1.0.00019.1	1021	301669	0	454	482	94 +	379	860	279443	279908
UN31775	Rsa1.0.00274.1	914	210119	1.00E-156	279	279	100 +	1	279	207286	207564
UN31776	Rsa1.0.00197.1	696	109714	1.00E-114	239	249	95 -	435	683	95708	95956
UN31777	Rsa1.0.01081.1	315	499226	1.00E-129	297	315	94 +	1	314	38484	38788
UN31778	Rsa1.0.00168.1	763	115870	1.00E-180	401	427	93 +	51	477	28692	29117
UN31779	Rsa1.0.08405.1	554	7413	0	391	411	95 -	142	552	6213	6623
UN31780	Rsa1.0.00020.1	307	283099	1.00E-126	235	236	99 +	1	236	54951	55185
UN31781	Rsa1.0.00333.1	488	94500	0	476	486	97 +	1	486	16680	17165
UN31782	Rsa1.0.00793.1	755	64103	0	382	383	99 +	9	391	38942	39324
UN31783	Rsa1.0.00341.1	556	249309	1.00E-135	285	295	96 -	264	555	246402	246695

UN31784	Rsa1.0.08959.1	621	6751	0	381	386	98 -	236	619	2469	2853
UN31785	Rsa1.0.02228.1	561	33688	0	390	412	94 -	1	412	9744	10155
UN31786	Rsa1.0.02357.1	681	32220	1.00E-117	317	345	91 +	340	681	13699	14040
UN31787	Rsa1.0.00540.1	848	76895	1.00E-177	330	335	98 +	513	847	65522	65856
UN31788	Rsa1.0.00141.1	405	121494	2.00E-65	216	244	88 -	4	246	33901	34130
UN31789	Rsa1.0.00748.1	264	65983	1.00E-119	255	265	96 +	1	263	62331	62595
UN31790	Rsa1.0.00122.1	1166	265937	1.00E-177	354	367	96 +	592	958	19734	20100
UN31791	Rsa1.0.03366.1	553	23401	1.00E-152	317	331	95 -	222	552	10383	10710
UN31792	Rsa1.0.04428.1	799	17399	0	590	631	93 -	5	615	12948	13576
UN31793	Rsa1.0.10543.1	967	5808	0	486	503	96 -	3	505	4301	4795
UN31794	Rsa1.0.03430.1	1069	22977	2.00E-64	163	174	93 -	120	293	16984	17156
UN31795	Rsa1.0.00928.1	510	59293	1.00E-112	209	210	99 +	1	210	13734	13943
UN31796	Rsa1.0.00825.1	1167	62855	7.00E-89	247	270	91 -	7	272	16125	16389
UN31797	Rsa1.0.00169.1	854	274298	0	479	487	98 +	15	501	270701	271187
UN31798	Rsa1.0.02064.1	912	35476	1.00E-117	229	234	97 -	677	910	22819	23052
UN31799	Rsa1.0.03421.1	1017	23081	1.00E-147	301	313	96 -	486	790	17954	18265
UN31800	Rsa1.0.04557.1	1055	145048	3.00E-38	180	210	85 +	729	931	138733	138942
UN31801	Rsa1.0.00247.1	953	103408	0	913	960	95 +	1	950	15354	16304
UN31802	Rsa1.0.00065.1	382	454616	1.00E-109	222	228	97 -	1	228	426469	426694
UN31803	Rsa1.0.01256.1	667	49770	1.00E-166	311	315	98 +	1	315	2043	2354
UN31804	Rsa1.0.01006.1	1128	163670	1.00E-115	241	251	96 +	1	251	2035	2285
UN31805	Rsa1.0.01432.1	861	45977	0	409	426	96 +	273	698	32247	32671
UN31806	Rsa1.0.00119.1	734	467509	1.00E-131	315	338	93 -	407	733	233294	233630
UN31807	Rsa1.0.07861.1	522	8406	0	509	527	96 +	1	520	3307	3833
UN31808	Rsa1.0.01970.1	1076	36648	0	383	383	100 -	349	731	24051	24433
UN31809	Rsa1.0.01226.1	888	50316	0	403	411	98 +	470	880	25452	25862
UN31810	Rsa1.0.01209.1	721	50668	0	718	720	99 -	1	720	24826	25545
UN31811	Rsa1.0.02625.1	640	139104	0	545	557	97 +	79	635	1	557
UN31812	Rsa1.0.08083.1	1100	7936	1.00E-174	310	310	100 +	544	853	6983	7292
UN31813	Rsa1.0.01355.1	426	47303	0	421	424	99 +	1	424	42465	42888
UN31814	Rsa1.0.04968.1	1111	15286	6.00E-74	145	146	99 +	524	669	14458	14603
UN31815	Rsa1.0.00160.1	556	346678	1.00E-109	221	228	96 +	150	377	156196	156423
UN31816	Rsa1.0.00016.1	874	831256	0	370	379	97 +	496	874	795321	795699
UN31817	Rsa1.0.59988.1	854	382	7.00E-76	178	188	94 -	19	204	46	233
UN31818	Rsa1.0.31916.1	680	715	0	519	539	96 -	1	539	163	701
UN31819	Rsa1.0.01196.1	927	51097	1.00E-178	341	347	98 +	1	344	41380	41725
UN31820	Rsa1.0.09601.1	681	6259	0	508	539	94 -	3	530	3835	4372
UN31821	Rsa1.0.00626.1	961	71582	0	664	714	92 -	249	960	45647	46338
UN31822	Rsa1.0.03319.1	555	23767	1.00E-91	180	183	98 +	293	475	11651	11833

UN31823	Rsa1.0.00469.1	1011	82084	0	573	588	97 -	3	589	72175	72749
UN31824	Rsa1.0.02893.1	753	26999	2.00E-97	206	214	96 -	353	566	23620	23829
UN31825	Rsa1.0.03960.1	501	19864	1.00E-101	304	341	89 +	2	320	10798	11136
UN31826	Rsa1.0.00816.1	832	403350	0	732	774	94 +	1	768	242	1012
UN31827	Rsa1.0.01041.1	904	55910	0	882	901	97 -	3	902	14569	15469
UN31828	Rsa1.0.46029.1	741	490	1.00E-178	335	341	98 +	312	652	115	455
UN31829	Rsa1.0.11537.1	868	5476	0	372	383	97 +	1	378	464	846
UN31830	Rsa1.0.00719.1	662	66952	1.00E-154	279	280	99 +	51	330	62081	62360
UN31831	Rsa1.0.00742.1	778	66106	0	398	400	99 +	1	400	25565	25964
UN31832	Rsa1.0.12748.1	860	5138	0	387	391	98 +	474	860	1	391
UN31833	Rsa1.0.00055.1	1348	520193	0	558	578	96 +	550	1124	395526	396103
UN31834	Rsa1.0.00026.1	1058	327835	0	1007	1076	93 +	8	1058	6731	7801
UN31835	Rsa1.0.00008.1	907	358124	0	543	556	97 -	21	574	60758	61313
UN31836	Rsa1.0.00977.1	772	198001	1.00E-106	223	232	96 -	335	566	33211	33442
UN31837	Rsa1.0.03971.1	647	19788	6.00E-88	165	165	100 -	483	647	12758	12922
UN31838	Rsa1.0.20803.1	954	1268	7.00E-64	215	241	89 -	715	954	595	833
UN31839	Rsa1.0.05653.1	908	13043	0	696	732	95 -	6	725	5272	5995
UN31840	Rsa1.0.02630.1	780	29349	1.00E-173	364	382	95 -	3	371	23497	23878
UN31841	Rsa1.0.02921.1	1027	26779	8.00E-76	151	153	98 +	48	200	18524	18676
UN31842	Rsa1.0.00246.1	771	103541	0	453	468	96 +	3	467	87118	87582
UN31843	Rsa1.0.08740.1	883	6980	0	604	629	96 +	30	655	6358	6980
UN31844	Rsa1.0.01122.1	1067	53369	1.00E-133	325	353	92 +	7	359	52562	52914
UN31845	#	#	#	#	#	#	#	#	#	#	#
UN31846	Rsa1.0.02683.1	1000	28679	0	431	453	95 +	119	566	25478	25925
UN31847	Rsa1.0.00323.1	815	159650	1.00E-139	273	279	97 +	3	281	139595	139872
UN31848	Rsa1.0.00383.1	538	398431	0	398	404	98 +	2	405	21385	21787
UN31849	Rsa1.0.69496.1	750	330	0	330	330	100 -	396	725	1	330
UN31850	Rsa1.0.00008.1	805	358124	1.00E-101	227	237	95 +	263	495	217181	217415
UN31851	Rsa1.0.01666.1	385	173972	2.00E-56	213	244	87 +	3	246	13245	13466
UN31852	Rsa1.0.04448.1	794	17309	0	523	560	93 -	1	560	10600	11158
UN31853	Rsa1.0.00484.1	994	203294	1.00E-124	282	295	95 -	3	293	149877	150167
UN31854	Rsa1.0.00040.1	676	324196	0	619	698	88 -	16	675	170655	171352
UN31855	Rsa1.0.01156.1	424	52147	0	423	427	99 -	1	424	38376	38802
UN31856	Rsa1.0.15997.1	918	2328	0	386	400	96 -	518	916	1936	2328
UN31857	Rsa1.0.03546.1	751	22172	1.00E-109	261	278	93 +	1	274	12735	13006
UN31858	Rsa1.0.02463.1	755	31157	0	338	340	99 +	3	342	12309	12648
UN31859	Rsa1.0.03517.1	739	22337	0	493	537	91 -	208	735	3685	4212
UN31860	Rsa1.0.00128.1	475	228675	1.00E-51	159	176	90 +	5	180	86708	86882
UN31861	Rsa1.0.01446.1	787	45666	7.00E-42	88	88	100 -	3	90	12354	12441

UN31862	Rsa1.0.02985.1	499	26256	0	491	496	98 +	1	496	18562	19057
UN31863	Rsa1.0.06764.1	320	10398	1.00E-128	297	318	93 -	2	316	4762	5074
UN31864	Rsa1.0.00152.1	828	257730	0	524	553	94 -	276	828	208885	209428
UN31865	Rsa1.0.02977.1	1032	26313	0	366	380	96 +	652	1031	14066	14445
UN31866	Rsa1.0.01433.1	654	45976	0	638	648	98 -	2	648	29722	30369
UN31867	#	#	#	#	#	#	#	#	#	#	#
UN31868	Rsa1.0.01377.1	738	46967	0	475	497	95 -	244	730	11206	11702
UN31869	Rsa1.0.01753.1	764	39794	0	541	563	96 -	3	565	37226	37770
UN31870	Rsa1.0.01976.1	910	36570	1.00E-160	382	412	92 +	165	576	2779	3186
UN31871	Rsa1.0.07000.1	333	10049	3.00E-76	292	340	85 +	1	329	2001	2319
UN31872	Rsa1.0.01544.1	561	185602	0	543	561	96 -	4	560	180559	181119
UN31873	Rsa1.0.00010.1	1093	294827	1.00E-123	264	275	96 +	819	1093	221654	221924
UN31874	Rsa1.0.00016.1	1010	831256	1.00E-138	280	290	96 +	348	637	395096	395385
UN31875	Rsa1.0.00013.1	993	292129	0	916	970	94 -	1	968	198704	199672
UN31876	Rsa1.0.09499.1	911	6331	0	414	428	96 +	473	896	2153	2579
UN31877	Rsa1.0.02685.1	729	28669	0	477	491	97 +	1	491	7143	7633
UN31878	Rsa1.0.00773.1	782	64839	6.00E-30	93	99	93 +	531	626	28020	28118
UN31879	Rsa1.0.00679.1	1164	68971	1.00E-162	332	346	95 -	817	1162	5072	5417
UN31880	Rsa1.0.00100.1	816	249232	1.00E-175	343	351	97 +	1	349	186150	186500
UN31881	Rsa1.0.00808.1	1082	63351	0	1044	1082	96 +	1	1082	29240	30313
UN31882	Rsa1.0.04245.1	1190	18299	0	1025	1057	96 +	1	1057	8064	9116
UN31883	Rsa1.0.00926.1	751	195072	0	408	422	96 +	330	751	48695	49116
UN31884	Rsa1.0.00644.1	265	136881	1.00E-123	253	263	96 -	2	264	60605	60867
UN31885	Rsa1.0.11093.1	1119	5619	0	977	989	98 +	1	988	1049	2035
UN31886	Rsa1.0.04372.1	659	17692	0	629	673	93 -	2	653	2583	3252
UN31887	Rsa1.0.00290.1	541	225096	0	535	548	97 +	3	540	202715	203262
UN31888	Rsa1.0.05050.1	980	15022	0	971	978	99 -	1	978	486	1462
UN31889	Rsa1.0.01726.1	759	40263	0	717	764	93 +	1	758	6816	7567
UN31890	Rsa1.0.04250.1	768	18264	0	381	381	100 +	388	768	1110	1490
UN31891	Rsa1.0.05380.1	609	13968	0	579	606	95 +	1	595	8526	9130
UN31892	Rsa1.0.00407.1	507	191544	0	482	506	95 -	2	506	46937	47440
UN31893	Rsa1.0.05997.1	969	11994	0	930	962	96 -	8	969	8374	9333
UN31894	Rsa1.0.00040.1	1165	324196	0	1118	1173	95 -	1	1164	230070	231227
UN31895	Rsa1.0.00120.1	707	277288	0	496	508	97 +	195	702	13087	13594
UN31896	Rsa1.0.01110.1	1121	195852	0	965	1011	95 +	1	1006	178292	179301
UN31897	Rsa1.0.00457.1	920	337301	0	916	920	99 -	1	919	13558	14477
UN31898	Rsa1.0.03917.1	876	20114	0	869	874	99 -	1	874	14613	15486
UN31899	Rsa1.0.00990.1	699	57445	0	407	418	97 +	66	483	6915	7330
UN31900	Rsa1.0.01719.1	907	40388	0	409	423	96 -	106	528	21193	21615

UN31901	Rsa1.0.03176.1	1044	24801	0	518	534	97 -	512	1043	9901	10422
UN31902	Rsa1.0.08589.1	979	7154	3.00E-66	190	209	90 +	462	670	6490	6697
UN31903	Rsa1.0.17847.1	543	1727	1.00E-117	325	367	88 -	1	358	739	1084
UN31904	Rsa1.0.00124.1	847	262503	0	841	846	99 +	2	847	40026	40869
UN31905	Rsa1.0.01580.1	587	42852	1.00E-172	400	429	93 -	1	416	40018	40445
UN31906	Rsa1.0.03244.1	928	24413	0	410	439	93 -	491	917	10841	11276
UN31907	Rsa1.0.08359.1	570	7483	1.00E-141	296	310	95 -	1	310	3446	3749
UN31908	Rsa1.0.00134.1	925	390219	0	894	920	97 -	1	920	168519	169437
UN31909	Rsa1.0.01351.1	736	47498	0	407	408	99 +	328	735	34054	34461
UN31910	Rsa1.0.04384.1	584	17629	0	339	340	99 +	243	582	7756	8095
UN31911	Rsa1.0.00571.1	549	329018	0	546	548	99 -	1	548	194273	194820
UN31912	Rsa1.0.05360.1	1220	14053	0	411	421	97 -	1	419	12218	12638
UN31913	Rsa1.0.00067.1	1203	415055	0	685	702	97 +	164	864	34645	35345
UN31914	Rsa1.0.05969.1	467	12072	0	445	472	94 -	1	466	3559	4028
UN31915	Rsa1.0.00529.1	831	77487	1.00E-100	227	238	95 -	1	237	3610	3846
UN31916	Rsa1.0.01333.1	1302	47929	0	588	648	90 -	669	1298	23396	24034
UN31917	Rsa1.0.00224.1	906	327530	0	621	641	96 -	47	685	168875	169512
UN31918	Rsa1.0.00203.1	402	109129	1.00E-166	317	324	97 +	34	357	80704	81027
UN31919	Rsa1.0.00778.1	716	196751	1.00E-170	358	373	95 +	4	372	179027	179398
UN31920	Rsa1.0.01841.1	475	38430	0	467	472	98 +	2	473	16703	17172
UN31921	Rsa1.0.00528.1	936	164755	1.00E-22	249	312	79 -	610	920	152012	152323
UN31922	Rsa1.0.02390.1	773	31851	3.00E-38	100	106	94 +	663	768	20538	20643
UN31923	Rsa1.0.02374.1	1133	32043	0	950	953	99 -	2	953	17286	18238
UN31924	Rsa1.0.04664.1	661	16471	1.00E-141	344	375	91 +	38	395	4057	4430
UN31925	Rsa1.0.01987.1	666	36446	0	392	399	98 -	1	395	5416	5814
UN31926	Rsa1.0.01531.1	904	43778	0	363	375	96 +	528	902	18942	19307
UN31927	Rsa1.0.06362.1	1052	11154	1.00E-144	294	304	96 +	1	303	1335	1634
UN31928	Rsa1.0.02185.1	851	34150	0	793	811	97 +	42	850	13560	14369
UN31929	Rsa1.0.07725.1	1038	8707	0	1012	1039	97 +	1	1037	3292	4330
UN31930	Rsa1.0.01914.1	1148	37354	1.00E-174	367	386	95 -	28	404	34579	34963
UN31931	Rsa1.0.00123.1	864	325650	7.00E-73	247	278	88 +	367	628	28327	28604
UN31932	Rsa1.0.00040.1	1158	324196	0	404	420	96 +	393	812	294237	294656
UN31933	Rsa1.0.00310.1	848	96852	1.00E-98	189	191	98 -	500	690	81313	81503
UN31934	Rsa1.0.00079.1	398	606987	1.00E-141	331	355	93 -	46	398	18914	19260
UN31935	Rsa1.0.03192.1	1261	24695	0	555	556	99 -	3	558	11611	12166
UN31936	Rsa1.0.01085.1	607	54539	0	595	605	98 -	2	606	42992	43594
UN31937	Rsa1.0.01514.1	897	44222	0	787	815	96 -	74	888	2906	3716
UN31938	Rsa1.0.01138.1	681	190615	1.00E-130	261	268	97 -	38	304	17260	17527
UN31939	Rsa1.0.00509.1	1286	78829	0	604	650	92 +	16	660	40241	40880

UN31940	Rsa1.0_02157.1	651	149652	1.00E-24	92	103	89 +	426	528	140472	140574
UN31941	Rsa1.0_00621.1	990	71840	9.00E-82	311	359	86 -	624	981	34748	35104
UN31942	Rsa1.0_01206.1	958	50772	1.00E-166	307	309	99 +	423	731	14457	14764
UN31943	Rsa1.0_02232.1	1080	33659	1.00E-175	381	404	94 -	209	608	25751	26154
UN31944	Rsa1.0_00399.1	1198	242951	1.00E-114	243	254	95 -	939	1192	48530	48783
UN31945	Rsa1.0_01104.1	626	285480	0	620	624	99 -	1	622	17620	18243
UN31946	Rsa1.0_00059.1	814	159650	0	507	549	92 +	258	806	134007	134537
UN31947	Rsa1.0_00266.1	1043	163932	1.00E-56	216	248	87 -	807	1042	100064	100310
UN31948	Rsa1.0_11825.1	939	5396	0	674	732	92 -	10	738	1510	2232
UN31949	Rsa1.0_01476.1	998	172928	1.00E-116	219	220	99 -	82	301	148223	148441
UN31950	Rsa1.0_04898.1	266	15545	1.00E-124	257	266	96 -	1	265	2846	3111
UN31951	Rsa1.0_00840.1	992	62514	0	590	609	96 +	383	990	10347	10955
UN31952	Rsa1.0_02662.1	1378	28956	0	497	536	92 +	1	525	263	790
UN31953	Rsa1.0_01803.1	931	173846	0	366	380	96 -	551	930	146930	147309
UN31954	Rsa1.0_03765.1	696	20971	8.00E-69	151	157	96 -	539	695	8153	8309
UN31955	Rsa1.0_01865.1	1171	37992	0	681	683	99 -	489	1171	29436	30118
UN31956	Rsa1.0_00409.1	577	146788	0	561	574	97 +	2	575	122864	123437
UN31957	Rsa1.0_04931.1	505	15412	7.00E-78	175	184	95 +	93	276	14761	14944
UN31958	Rsa1.0_00733.1	1404	66583	0	758	762	99 +	643	1404	47304	48065
UN31959	Rsa1.0_02893.1	528	26999	2.00E-69	146	150	97 -	101	250	23925	24074
UN31960	Rsa1.0_02384.1	958	31917	1.00E-120	307	335	91 -	2	335	6907	7221
UN31961	Rsa1.0_28466.1	856	814	0	515	526	97 -	330	855	196	718
UN31962	Rsa1.0_00645.1	1280	189716	9.00E-98	204	210	97 +	45	253	5824	6033
UN31963	Rsa1.0_00784.1	713	64359	1.00E-163	298	300	99 +	6	305	53583	53882
UN31964	Rsa1.0_01092.1	1202	54348	1.00E-175	386	412	93 +	6	416	22694	23087
UN31965	Rsa1.0_00869.1	1017	61627	1.00E-96	223	235	94 -	6	239	59791	60023
UN31966	Rsa1.0_05541.1	711	139959	2.00E-66	270	318	84 +	115	426	653	958
UN31967	Rsa1.0_02927.1	304	26698	1.00E-117	277	293	94 +	1	286	8593	8883
UN31968	Rsa1.0_03130.1	1164	25145	0	526	532	98 -	1	532	24187	24718
UN31969	Rsa1.0_00652.1	519	70089	5.00E-82	229	257	89 -	4	260	64567	64808
UN31970	Rsa1.0_00094.1	800	139042	0	770	805	95 -	3	800	93900	94700
UN31971	Rsa1.0_03321.1	843	23755	0	454	471	96 +	226	690	20182	20652
UN31972	Rsa1.0_00784.1	744	64359	0	479	499	95 -	15	509	30357	30848
UN31973	Rsa1.0_00505.1	725	79323	0	501	528	94 -	177	703	77587	78111
UN31974	Rsa1.0_00009.1	677	232558	1.00E-155	277	277	100 -	3	279	55858	56134
UN31975	Rsa1.0_01024.1	815	56569	0	413	416	99 -	66	481	35338	35753
UN31976	Rsa1.0_05841.1	967	12465	0	934	963	96 +	7	965	5404	6353
UN31977	Rsa1.0_00006.1	1361	396176	0	1006	1025	98 -	340	1360	35613	36633
UN31978	Rsa1.0_00139.1	760	357786	0	383	394	97 +	2	393	236294	236685

UN31979	Rsa1.0.02203.1	391	164532	0	377	390	96 +	3	390	149793	150182
UN31980	Rsa1.0.00709.1	732	67329	0	367	375	97 -	162	536	9314	9686
UN31981	Rsa1.0.00905.1	731	60110	1.00E-121	279	297	93 -	409	702	41989	42282
UN31982	Rsa1.0.02937.1	1150	26605	0	487	492	98 -	658	1149	11388	11876
UN31983	Rsa1.0_00079.1	475	606987	0	420	441	95 +	1	438	466228	466657
UN31984	Rsa1.0_00278.1	744	231896	1.00E-148	323	338	95 -	405	741	64782	65111
UN31985	Rsa1.0.02110.1	758	34919	0	732	765	95 +	3	758	31500	32262
UN31986	Rsa1.0.03357.1	1197	23478	0	361	370	97 -	740	1107	761	1130
UN31987	Rsa1.0.02348.1	636	32316	0	468	471	99 -	4	473	17380	17848
UN31988	Rsa1.0.01659.1	714	164577	0	380	382	99 +	1	382	126094	126475
UN31989	Rsa1.0.03775.1	691	20927	1.00E-157	287	289	99 +	162	450	629	917
UN31990	Rsa1.0.01103.1	723	53974	3.00E-93	180	182	98 +	368	549	37427	37608
UN31991	Rsa1.0.00087.1	781	761073	1.00E-112	218	222	98 -	559	780	558944	559165
UN31992	Rsa1.0.03899.1	458	20178	5.00E-66	173	188	92 +	19	206	2713	2900
UN31993	Rsa1.0.00019.1	958	301669	0	846	856	98 -	1	855	15415	16269
UN31994	Rsa1.0.01123.1	586	53359	2.00E-69	153	158	96 +	102	258	31859	32016
UN31995	Rsa1.0.03422.1	875	23076	0	835	877	95 +	2	873	12503	13370
UN31996	Rsa1.0_19692.1	820	1396	0	510	511	99 +	2	512	170	680
UN31997	Rsa1.0.03756.1	869	143061	0	547	582	93 -	2	567	140468	141047
UN31998	Rsa1.0.00329.1	1011	222544	1.00E-107	203	205	99 +	358	562	204139	204343
UN31999	Rsa1.0.00472.1	564	398134	0	468	470	99 -	93	562	129688	130156
UN32000	Rsa1.0.00056.1	860	332604	0	493	498	98 -	1	495	141016	141513
UN32001	Rsa1.0.05847.1	1034	12433	9.00E-76	275	319	86 -	3	305	5629	5932
UN32002	Rsa1.0.00111.1	607	390088	0	487	488	99 +	120	607	27468	27955
UN32003	Rsa1.0.01319.1	667	48273	0	644	661	97 -	16	667	16311	16971
UN32004	Rsa1.0.00009.1	806	232558	1.00E-104	252	269	93 -	1	269	57589	57850
UN32005	Rsa1.0.02619.1	991	29444	0	458	467	98 +	431	896	13263	13728
UN32006	Rsa1.0.01376.1	427	47004	1.00E-155	359	381	94 -	5	383	1643	2020
UN32007	Rsa1.0.00848.1	1062	152362	0	515	539	95 +	525	1062	31460	31995
UN32008	Rsa1.0.00242.1	775	103956	0	527	560	94 -	63	622	68055	68611
UN32009	Rsa1.0.00367.1	383	90750	1.00E-157	357	375	95 +	8	378	29364	29735
UN32010	Rsa1.0.00017.1	757	752458	0	741	757	97 -	1	756	477983	478739
UN32011	Rsa1.0.01071.1	595	166914	0	368	380	96 +	2	376	25423	25802
UN32012	Rsa1.0.00747.1	960	66030	0	337	338	99 -	2	339	21241	21578
UN32013	Rsa1.0.00016.1	383	831256	0	382	382	100 +	1	382	238753	239134
UN32014	Rsa1.0.55099.1	1168	414	0	412	414	99 -	347	760	1	414
UN32015	Rsa1.0.01234.1	978	50183	0	920	978	94 -	3	978	15773	16729
UN32016	Rsa1.0.02945.1	1147	26548	0	609	627	97 +	526	1146	22857	23483
UN32017	Rsa1.0.05269.1	1042	14311	0	1020	1046	97 -	1	1042	9346	10389

UN32018	Rsa1.0.00340.1	317	305782	1.00E-152	310	323	95 +	1	317	6053	6375
UN32019	Rsa1.0.02456.1	873	31222	2.00E-23	112	128	87 -	682	808	29875	30000
UN32020	Rsa1.0.02847.1	658	27333	0	639	658	97 -	1	658	8081	8737
UN32021	Rsa1.0.00475.1	1024	81678	0	715	730	97 -	1	730	2218	2945
UN32022	Rsa1.0_10490.1	349	5830	3.00E-57	231	267	86 +	82	347	5510	5772
UN32023	Rsa1.0_01214.1	619	50599	0	461	489	94 +	130	618	23665	24150
UN32024	Rsa1.0.00026.1	549	327835	0	481	529	90 -	1	524	103795	104307
UN32025	Rsa1.0.00454.1	577	216970	1.00E-128	300	319	94 -	2	317	142994	143311
UN32026	Rsa1.0.01076.1	841	54835	0	793	835	94 +	20	841	19153	19987
UN32027	Rsa1.0.00141.1	1156	121494	0	1124	1164	96 +	1	1154	94703	95865
UN32028	Rsa1.0.06120.1	1124	11691	0	586	608	96 -	456	1063	3678	4282
UN32029	Rsa1.0.02488.1	575	30913	1.00E-98	266	287	92 -	298	573	29003	29285
UN32030	Rsa1.0.40739.1	1286	551	0	459	473	97 -	550	1022	82	551
UN32031	Rsa1.0.00009.1	767	232558	0	759	762	99 +	5	765	88471	89232
UN32032	Rsa1.0.03520.1	1368	22327	0	1086	1105	98 +	1	1104	5949	7049
UN32033	Rsa1.0.00594.1	499	73729	1.00E-150	273	274	99 -	1	274	53984	54257
UN32034	Rsa1.0.00386.1	1013	89134	1.00E-148	312	326	95 -	300	624	40382	40707
UN32035	Rsa1.0.02766.1	741	28128	8.00E-97	219	231	94 +	27	255	15132	15362
UN32036	Rsa1.0.06222.1	662	11452	3.00E-99	187	188	99 +	471	658	3811	3998
UN32037	Rsa1.0_18947.1	973	1506	0	498	530	93 +	1	504	414	943
UN32038	Rsa1.0.00030.1	763	250988	1.00E-166	329	339	97 -	4	342	152714	153049
UN32039	Rsa1.0.09522.1	1216	6316	0	642	670	95 -	8	673	2	670
UN32040	Rsa1.0_04703.1	784	16302	1.00E-127	240	243	98 +	540	782	9749	9991
UN32041	Rsa1.0_01029.1	702	256254	1.00E-122	289	307	94 -	12	313	144670	144974
UN32042	Rsa1.0_01285.1	744	172709	6.00E-70	138	139	99 +	306	444	157994	158132
UN32043	Rsa1.0.00025.1	260	277312	1.00E-99	226	237	95 +	19	253	158880	159112
UN32044	Rsa1.0.00066.1	871	152418	0	429	455	94 -	258	709	61805	62256
UN32045	Rsa1.0.02820.1	535	27629	1.00E-131	244	246	99 -	288	533	1595	1840
UN32046	Rsa1.0.00098.1	289	349239	6.00E-86	220	236	93 +	53	287	237790	238017
UN32047	Rsa1.0_01989.1	1050	36439	0	1045	1049	99 -	1	1048	12139	13186
UN32048	Rsa1.0.00006.1	875	396176	0	495	509	97 -	1	508	360905	361413
UN32049	Rsa1.0_11229.1	685	5576	1.00E-149	291	299	97 -	231	529	4418	4716
UN32050	Rsa1.0.00019.1	646	301669	0	622	648	95 +	1	643	32938	33572
UN32051	Rsa1.0.02321.1	876	32572	0	622	681	91 -	199	874	17351	18019
UN32052	Rsa1.0.03742.1	916	21062	3.00E-38	121	134	90 +	414	547	3944	4077
UN32053	Rsa1.0.00179.1	1094	393324	1.00E-142	528	615	85 -	21	631	19783	20392
UN32054	Rsa1.0.00007.1	260	239325	1.00E-102	241	259	93 -	4	255	44260	44518
UN32055	Rsa1.0_04424.1	1105	17415	8.00E-30	152	180	84 -	886	1065	13386	13565
UN32056	Rsa1.0_00547.1	171	76521	6.00E-91	169	169	100 +	1	169	17995	18163

UN32057	Rsa1.0.00173.1	642	288743	0	564	595	94 +	45	635	32334	32919
UN32058	Rsa1.0.00054.1	1059	162053	1.00E-130	409	466	87 -	583	1045	101932	102397
UN32059	Rsa1.0.00059.1	658	159650	4.00E-61	170	184	92 +	21	203	96471	96653
UN32060	Rsa1.0.20774.1	921	1271	0	454	463	98 +	1	463	811	1271
UN32061	Rsa1.0.07425.1	689	9414	0	413	441	93 +	222	662	1	432
UN32062	Rsa1.0.00035.1	1003	176449	0	962	995	96 -	15	1002	83769	84759
UN32063	Rsa1.0.01726.1	812	40263	1.00E-43	112	119	94 +	487	605	2683	2801
UN32064	Rsa1.0.14951.1	1025	2939	2.00E-55	213	245	86 +	76	316	531	775
UN32065	Rsa1.0.00369.1	874	266462	0	824	874	94 -	1	873	198489	199350
UN32066	Rsa1.0.02416.1	932	31607	0	553	591	93 +	5	578	20739	21328
UN32067	Rsa1.0.00323.1	715	159650	0	687	715	96 +	1	714	56563	57272
UN32068	Rsa1.0.21164.1	666	1229	1.00E-110	242	253	95 -	5	257	836	1084
UN32069	Rsa1.0.00694.1	332	68074	1.00E-117	309	334	92 +	5	332	60921	61245
UN32070	Rsa1.0.00071.1	568	345714	1.00E-169	334	345	96 -	223	567	58420	58764
UN32071	Rsa1.0.00019.1	669	301669	0	414	423	97 +	1	423	32891	33312
UN32072	Rsa1.0.13707.1	1079	4448	1.00E-157	445	504	88 +	312	815	65	544
UN32073	Rsa1.0.00905.1	569	60110	1.00E-137	251	252	99 -	316	567	38456	38707
UN32074	Rsa1.0.00208.1	1033	108565	0	564	587	96 +	1	587	12211	12785
UN32075	Rsa1.0.02157.1	816	149652	1.00E-24	92	103	89 +	399	501	140472	140574
UN32076	Rsa1.0.00195.1	717	251884	0	696	719	96 -	1	716	233854	234572
UN32077	Rsa1.0.01701.1	901	162121	2.00E-95	238	257	92 -	76	327	18849	19103
UN32078	Rsa1.0.00066.1	943	152418	1.00E-142	272	277	98 -	457	733	138796	139072
UN32079	Rsa1.0.02260.1	1065	33260	0	920	926	99 -	1	924	25797	26722
UN32080	Rsa1.0.00593.1	1006	143463	1.00E-135	315	335	94 +	1	331	135834	136167
UN32081	Rsa1.0.06412.1	771	11060	1.00E-109	219	225	97 +	345	569	8074	8298
UN32082	Rsa1.0.15341.1	850	2672	0	328	328	100 +	1	328	288	615
UN32083	Rsa1.0.00348.1	701	92818	0	554	570	97 -	132	701	16943	17509
UN32084	Rsa1.0.64191.1	525	357	1.00E-153	292	296	98 +	1	292	62	357
UN32085	Rsa1.0.00062.1	768	299291	0	594	604	98 +	1	604	72612	73215
UN32086	Rsa1.0.00457.1	1136	337301	0	396	403	98 -	734	1136	289889	290291
UN32087	Rsa1.0.00380.1	397	89748	3.00E-76	223	245	91 -	58	299	21870	22114
UN32088	Rsa1.0.00997.1	946	57190	1.00E-122	254	262	96 -	474	733	23309	23570
UN32089	Rsa1.0.00371.1	690	90463	0	686	689	99 -	1	689	2142	2828
UN32090	Rsa1.0.06602.1	1175	10683	0	945	997	94 +	148	1132	2533	3529
UN32091	Rsa1.0.07596.1	1043	9056	0	545	547	99 -	1	547	4498	5044
UN32092	Rsa1.0.00540.1	738	76895	0	721	733	98 +	8	736	57346	58078
UN32093	Rsa1.0.01659.1	867	164577	0	841	880	95 +	2	867	154582	155458
UN32094	Rsa1.0.35727.1	1224	633	0	431	437	98 +	284	720	197	633
UN32095	Rsa1.0.00360.1	868	91190	0	736	740	99 -	124	863	10864	11602

UN32096	Rsa1.0.00084.1	763	142338	0	401	402	99 -	358	759	120157	120558
UN32097	Rsa1.0.01786.1	1155	133324	0	730	730	100 -	1	730	104472	105201
UN32098	Rsa1.0.00561.1	1145	75653	1.00E-152	316	329	96 -	262	590	53598	53925
UN32099	Rsa1.0.01971.1	931	36641	0	890	936	95 -	3	930	19941	20873
UN32100	Rsa1.0.00927.1	718	59312	9.00E-38	102	109	93 +	251	359	37354	37462
UN32101	Rsa1.0.08526.1	815	7236	0	639	656	97 -	9	660	5666	6321
UN32102	Rsa1.0.00203.1	620	109129	1.00E-135	362	395	91 -	2	388	45361	45751
UN32103	Rsa1.0.01036.1	622	55978	4.00E-92	178	180	98 +	223	402	12737	12916
UN32104	Rsa1.0.00114.1	461	131330	0	456	460	99 -	1	459	2767	3225
UN32105	#	#	#	#	#	#	#	#	#	#	#
UN32106	Rsa1.0.00473.1	557	212204	0	446	475	93 +	85	555	78970	79440
UN32107	Rsa1.0.00215.1	262	201775	1.00E-110	252	268	94 -	1	261	53455	53722
UN32108	Rsa1.0.03853.1	775	20447	1.00E-119	457	545	83 +	267	775	5057	5577
UN32109	Rsa1.0.00511.1	870	78616	1.00E-130	341	380	89 -	1	374	77067	77425
UN32110	Rsa1.0.01397.1	1047	183276	0	976	1032	94 -	16	1047	40543	41574
UN32111	Rsa1.0.01097.1	558	173349	0	544	566	96 +	2	557	22352	22917
UN32112	Rsa1.0.05839.1	1176	12479	5.00E-28	114	129	88 -	964	1092	3001	3128
UN32113	Rsa1.0.00296.1	924	97854	0	673	700	96 -	1	691	20174	20872
UN32114	Rsa1.0.16435.1	970	2156	0	497	520	95 +	42	552	1449	1963
UN32115	Rsa1.0.01970.1	1112	36648	0	749	751	99 -	1	749	19302	20052
UN32116	Rsa1.0.21884.1	1049	1166	0	640	643	99 -	407	1047	524	1166
UN32117	Rsa1.0.00222.1	352	172263	2.00E-71	175	185	94 -	1	183	138665	138844
UN32118	Rsa1.0.05612.1	925	13193	1.00E-160	287	287	100 +	14	300	9339	9625
UN32119	Rsa1.0.00006.1	721	396176	1.00E-121	332	373	89 -	3	375	182642	182987
UN32120	Rsa1.0.02028.1	451	35857	1.00E-118	293	317	92 +	2	318	12275	12586
UN32121	Rsa1.0.00371.1	1007	90463	0	947	1013	93 -	3	1003	7942	8934
UN32122	Rsa1.0.00356.1	980	91521	4.00E-90	193	201	96 -	778	978	29572	29772
UN32123	Rsa1.0.02361.1	782	32190	1.00E-166	313	317	98 -	2	317	11102	11418
UN32124	Rsa1.0.01016.1	1096	181422	3.00E-14	60	66	90 +	866	931	161901	161966
UN32125	Rsa1.0.04022.1	621	19534	1.00E-128	317	344	92 +	21	357	15671	16014
UN32126	Rsa1.0.05274.1	1158	14293	0	1142	1159	98 -	1	1158	1649	2800
UN32127	Rsa1.0.16822.1	853	2022	0	419	441	95 -	229	667	1589	2022
UN32128	Rsa1.0.00949.1	627	58549	1.00E-166	306	309	99 -	1	309	57864	58172
UN32129	Rsa1.0.08339.1	616	7509	1.00E-100	217	229	94 -	388	616	1563	1782
UN32130	Rsa1.0.20900.1	872	1257	2.00E-73	216	241	89 +	362	602	382	622
UN32131	Rsa1.0.02900.1	1436	26928	0	667	690	96 +	1	690	299	988
UN32132	Rsa1.0.01553.1	479	43379	0	453	478	94 +	2	478	26934	27401
UN32133	Rsa1.0.04760.1	1190	16105	0	1122	1169	95 +	1	1168	7867	9029
UN32134	Rsa1.0.01285.1	789	172709	1.00E-92	278	309	89 +	10	316	157426	157713

UN32135	Rsa1.0.01164.1	751	51934	1.00E-150	291	297	97 -	2	298	43900	44195
UN32136	Rsa1.0.03554.1	741	22137	0	688	737	93 +	3	739	8631	9343
UN32137	Rsa1.0.00094.1	577	139042	0	531	567	93 +	16	577	83541	84106
UN32138	Rsa1.0.00107.1	772	431659	6.00E-70	144	147	97 +	256	402	8283	8429
UN32139	Rsa1.0.14741.1	628	3112	0	376	382	98 -	3	384	1429	1810
UN32140	Rsa1.0.06885.1	1044	10208	0	496	528	93 -	21	534	3708	4233
UN32141	Rsa1.0.01924.1	937	37226	1.00E-151	278	279	99 +	1	278	2279	2557
UN32142	Rsa1.0.04819.1	694	140505	1.00E-160	331	346	95 +	1	346	5621	5966
UN32143	Rsa1.0.01953.1	834	36881	0	336	337	99 -	496	832	4889	5225
UN32144	Rsa1.0.04299.1	715	18027	1.00E-166	367	389	94 +	36	423	11285	11663
UN32145	Rsa1.0.00477.1	445	81556	0	434	443	97 -	1	443	80475	80917
UN32146	Rsa1.0.02297.1	802	160804	0	778	801	97 +	2	801	150708	151506
UN32147	Rsa1.0.01531.1	932	43778	1.00E-165	295	295	100 -	398	692	39867	40161
UN32148	Rsa1.0.01696.1	551	301850	0	519	550	94 -	1	550	4377	4908
UN32149	Rsa1.0.00053.1	636	263459	0	599	634	94 -	3	635	78660	79289
UN32150	Rsa1.0.00017.1	861	752458	1.00E-165	333	346	96 +	221	566	37967	38312
UN32151	Rsa1.0.00832.1	648	62622	1.00E-112	239	249	95 +	1	245	11842	12088
UN32152	Rsa1.0.02874.1	787	27070	1.00E-104	214	221	96 -	195	415	24497	24717
UN32153	Rsa1.0.01392.1	676	46665	9.00E-78	527	643	81 -	16	648	38083	38711
UN32154	Rsa1.0.05140.1	818	14710	1.00E-71	141	142	99 +	566	707	5327	5468
UN32155	Rsa1.0.03193.1	754	24690	0	441	476	92 +	266	726	21099	21567
UN32156	Rsa1.0.00008.1	878	358124	0	837	885	94 +	4	878	23860	24743
UN32157	Rsa1.0.01039.1	910	55946	0	366	377	97 -	1	377	49675	50050
UN32158	Rsa1.0.22046.1	859	1153	1.00E-145	282	289	97 -	569	857	40	328
UN32159	Rsa1.0.02329.1	1140	32474	1.00E-53	344	417	82 -	274	662	5399	5805
UN32160	Rsa1.0.00059.1	1020	159650	1.00E-172	374	402	93 +	618	1019	26889	27269
UN32161	Rsa1.0.04394.1	848	17571	0	436	450	96 +	1	449	7111	7560
UN32162	Rsa1.0.12087.1	133	5317	2.00E-41	105	110	95 -	1	110	4205	4313
UN32163	Rsa1.0.01668.1	741	41299	1.00E-134	275	286	96 -	236	521	35533	35818
UN32164	Rsa1.0.00433.1	607	85381	0	588	607	96 +	1	607	18411	19016
UN32165	Rsa1.0.00321.1	791	95671	5.00E-89	202	210	96 +	7	216	38189	38394
UN32166	Rsa1.0.37796.1	778	596	0	445	446	99 -	1	446	1	445
UN32167	Rsa1.0.00462.1	1074	82288	0	570	586	97 +	219	802	69558	70142
UN32168	Rsa1.0.02948.1	1170	26526	0	548	549	99 +	586	1134	4703	5251
UN32169	Rsa1.0.10719.1	1284	5747	0	669	682	98 +	20	700	4147	4828
UN32170	Rsa1.0.36359.1	654	620	1.00E-101	197	200	98 +	455	654	1	200
UN32171	Rsa1.0.03053.1	1040	25745	3.00E-60	137	143	95 -	64	206	13555	13697
UN32172	Rsa1.0.01263.1	394	49703	6.00E-50	150	165	90 -	161	322	25426	25587
UN32173	Rsa1.0.00878.1	490	330303	0	473	495	95 +	1	488	29283	29777

UN32174	Rsa1.0_01732.1	634	40194	0	579	629	92 -	14	634	35597	36213
UN32175	Rsa1.0_10077.1	441	6007	0	439	440	99 +	1	440	15	454
UN32176	Rsa1.0_00269.1	518	341668	6.00E-66	216	244	88 +	223	466	43578	43810
UN32177	Rsa1.0_06460.1	666	10974	0	649	662	98 -	6	666	4747	5407
UN32178	Rsa1.0_00302.1	798	97521	0	777	804	96 +	1	797	1421	2222
UN32179	Rsa1.0_00254.1	739	102600	2.33E-156	291	300	97 -	440	739	73227	73523
UN32180	Rsa1.0_00019.1	883	301669	1.00E-159	348	369	94 +	359	727	279554	279908
UN32181	Rsa1.0_00054.1	823	162053	0	790	835	94 +	7	812	25549	26383
UN32182	Rsa1.0_07694.1	872	8776	1.00E-141	279	285	97 -	1	284	8243	8524
UN32183	Rsa1.0_01569.1	638	43029	1.00E-139	272	279	97 -	359	637	8561	8839
UN32184	Rsa1.0_00388.1	1183	88890	0	667	681	97 +	376	1054	5811	6491
UN32185	Rsa1.0_00058.1	878	159921	0	677	698	96 +	58	755	1745	2439
UN32186	Rsa1.0_00194.1	1373	110851	0	1328	1376	96 +	1	1373	13748	15119
UN32187	Rsa1.0_06602.1	859	10683	0	648	682	95 +	1	682	2530	3211
UN32188	Rsa1.0_00537.1	537	186980	0	510	537	94 +	1	536	156106	156633
UN32189	Rsa1.0_04525.1	988	16965	0	920	967	95 +	28	986	2350	3308
UN32190	Rsa1.0_00226.1	528	105884	1.00E-111	225	232	96 -	168	399	26007	26238
UN32191	Rsa1.0_02874.1	817	27070	0	412	418	98 +	1	418	22108	22524
UN32192	Rsa1.0_01006.1	1091	163670	0	638	686	93 +	9	676	1600	2285
UN32193	Rsa1.0_02835.1	538	27491	0	447	473	94 +	67	536	15915	16378
UN32194	#	#	#	#	#	#	#	#	#	#	#
UN32195	Rsa1.0_00079.1	576	606987	0	459	491	93 +	1	476	100134	100623
UN32196	Rsa1.0_00088.1	576	141341	1.00E-172	347	359	96 +	2	360	32955	33312
UN32197	Rsa1.0_00484.1	934	203294	1.00E-151	336	356	94 -	432	784	60382	60734
UN32198	Rsa1.0_00215.1	474	201775	4.00E-85	196	204	96 -	71	273	80326	80527
UN32199	Rsa1.0_00269.1	932	341668	0	702	753	93 +	5	744	290355	291096
UN32200	Rsa1.0_06465.1	1086	10962	1.00E-134	270	278	97 +	1	278	6799	7074
UN32201	Rsa1.0_00156.1	982	118383	1.00E-142	344	377	91 +	626	981	38466	38842
UN32202	Rsa1.0_00890.1	841	323870	0	464	506	91 +	104	609	205294	205799
UN32203	Rsa1.0_03481.1	683	22627	0	357	364	98 -	318	681	9517	9879
UN32204	Rsa1.0_00965.1	837	58139	1.00E-135	289	306	94 -	237	542	2060	2353
UN32205	Rsa1.0_00831.1	876	62673	0	390	398	97 +	3	400	22716	23110
UN32206	Rsa1.0_02693.1	902	28617	0	878	914	96 +	3	901	21008	21920
UN32207	Rsa1.0_04083.1	866	19174	1.00E-171	369	387	95 -	1	385	16799	17183
UN32208	Rsa1.0_03242.1	701	24415	0	669	705	94 +	1	700	15200	15904
UN32209	Rsa1.0_00049.1	800	167018	0	774	819	94 -	1	799	86241	87058
UN32210	Rsa1.0_59882.1	730	382	0	372	379	98 +	15	393	4	382
UN32211	Rsa1.0_00475.1	794	81678	2.00E-33	151	171	88 +	166	331	659	826
UN32212	Rsa1.0_07620.1	581	9015	0	440	460	95 -	1	458	3130	3581

UN32213	Rsa1.0.02608.1	1054	29613	4.00E-96	251	273	91 +	44	310	9897	10166
UN32214	Rsa1.0.08518.1	833	7244	1.00E-158	368	393	93 -	116	506	5274	5658
UN32215	Rsa1.0.04166.1	1422	18757	0	360	366	98 +	48	411	8430	8795
UN32216	Rsa1.0.00068.1	910	151813	0	863	911	94 +	4	910	57501	58389
UN32217	Rsa1.0.02684.1	284	28676	1.00E-115	271	286	94 +	1	284	1796	2079
UN32218	Rsa1.0.06392.1	844	11104	1.00E-163	328	339	96 +	85	423	5253	5590
UN32219	Rsa1.0.02098.1	666	35032	1.00E-174	408	442	92 +	129	555	912	1344
UN32220	Rsa1.0.00332.1	217	94575	3.00E-96	205	214	95 -	2	215	49431	49644
UN32221	Rsa1.0.04219.1	565	18421	0	534	576	92 +	2	563	437	1006
UN32222	Rsa1.0.02785.1	643	27881	0	575	598	96 +	46	641	10157	10747
UN32223	Rsa1.0.00002.1	514	601661	0	432	457	94 +	63	513	182925	183381
UN32224	Rsa1.0.02061.1	898	35487	1.00E-105	285	318	89 +	1	316	23364	23655
UN32225	Rsa1.0.02997.1	732	26150	1.00E-89	183	188	97 -	205	392	2693	2880
UN32226	Rsa1.0.55541.1	642	411	0	407	411	99 -	107	517	1	411
UN32227	Rsa1.0.15757.1	626	2442	1.00E-177	323	326	99 -	1	326	482	807
UN32228	Rsa1.0.04540.1	284	16934	1.00E-145	273	276	98 -	8	283	3700	3974
UN32229	Rsa1.0.01200.1	790	50895	0	522	565	92 +	1	553	17023	17572
UN32230	Rsa1.0.01632.1	670	181224	3.00E-62	287	340	84 -	5	333	10480	10811
UN32231	Rsa1.0.03249.1	728	146254	1.00E-129	249	254	98 -	473	726	140075	140328
UN32232	Rsa1.0.03030.1	370	25850	0	358	367	97 +	4	370	11722	12086
UN32233	Rsa1.0.00882.1	716	61249	0	634	654	96 -	36	688	52901	53554
UN32234	Rsa1.0.00216.1	547	197563	0	543	548	99 +	1	545	186631	187178
UN32235	Rsa1.0.03974.1	797	19770	0	469	478	98 +	320	796	7105	7581
UN32236	Rsa1.0.02849.1	967	27327	0	441	458	96 +	7	462	3417	3874
UN32237	Rsa1.0.04652.1	835	16515	1.00E-164	350	369	94 -	466	834	6785	7153
UN32238	Rsa1.0.00033.1	883	515811	0	734	753	97 -	1	750	508236	508988
UN32239	Rsa1.0.13502.1	1144	4762	1.00E-90	173	174	99 -	563	736	4589	4762
UN32240	Rsa1.0.00116.1	805	365886	1.00E-127	300	319	94 -	3	320	223098	223404
UN32241	Rsa1.0.03479.1	640	22631	0	598	650	92 -	2	640	11181	11802
UN32242	Rsa1.0.48942.1	813	463	1.00E-161	288	288	100 -	1	288	1	288
UN32243	Rsa1.0.00026.1	412	327835	4.00E-91	220	237	92 +	118	348	215085	215321
UN32244	Rsa1.0.00936.1	529	59078	0	518	521	99 -	1	521	309	829
UN32245	Rsa1.0.02314.1	866	32642	0	341	341	100 +	1	341	29786	30126
UN32246	Rsa1.0.01434.1	246	45951	4.00E-25	100	113	88 +	126	238	1443	1552
UN32247	Rsa1.0.01780.1	519	39411	0	467	479	97 +	2	478	2685	3163
UN32248	Rsa1.0.01365.1	1026	47142	1.00E-135	272	280	97 +	4	282	41684	41963
UN32249	Rsa1.0.00645.1	709	189716	1.00E-43	282	338	83 -	13	340	162110	162440
UN32250	Rsa1.0.04862.1	728	15688	0	698	725	96 -	2	714	5082	5804
UN32251	Rsa1.0.00128.1	1158	228675	0	777	778	99 -	1	778	17565	18342

UN32252	Rsa1.0.00472.1	483	398134	0	458	492	93 -	1	481	297598	298071
UN32253	Rsa1.0.08677.1	852	7048	0	728	751	96 +	1	747	4662	5410
UN32254	Rsa1.0.00017.1	796	752458	0	510	569	89 +	1	542	375110	375669
UN32255	Rsa1.0.02273.1	928	140964	0	570	571	99 +	336	906	28308	28878
UN32256	Rsa1.0.01500.1	636	141844	3.00E-99	184	184	100 +	13	196	1	184
UN32257	Rsa1.0.01474.1	949	45070	0	387	397	97 +	3	397	40875	41269
UN32258	Rsa1.0.29970.1	634	767	0	543	591	91 +	4	586	177	767
UN32259	Rsa1.0.00021.1	1269	263655	0	911	921	98 -	193	1112	147682	148602
UN32260	Rsa1.0.00715.1	1317	67116	0	1275	1325	96 -	2	1316	39054	40378
UN32261	Rsa1.0.03238.1	581	24432	2.00E-96	182	183	99 -	213	395	11687	11869
UN32262	Rsa1.0.00223.1	906	106231	0	868	901	96 -	5	905	35756	36641
UN32263	Rsa1.0.09451.1	834	6359	1.00E-149	274	276	99 +	250	525	6063	6338
UN32264	Rsa1.0.05649.1	833	13046	0	599	600	99 +	1	600	1055	1654
UN32265	Rsa1.0.00529.1	718	77487	1.00E-112	260	277	93 +	450	718	54597	54869
UN32266	Rsa1.0.01553.1	835	43379	0	721	774	93 -	77	834	13460	14228
UN32267	Rsa1.0.11554.1	391	5472	8.00E-77	149	150	99 +	2	151	4850	4999
UN32268	Rsa1.0.01596.1	441	42595	0	437	438	99 -	3	440	25379	25816
UN32269	Rsa1.0.00405.1	1189	202864	0	768	827	92 +	1	824	178350	179165
UN32270	Rsa1.0.00551.1	1291	76227	0	876	903	97 +	8	909	29976	30866
UN32271	Rsa1.0.00093.1	764	214962	0	741	768	96 +	1	762	24542	25309
UN32272	Rsa1.0.01909.1	933	37417	1.00E-89	436	516	84 -	66	571	29574	30087
UN32273	Rsa1.0.02556.1	703	30133	0	675	703	96 +	1	702	6668	7370
UN32274	Rsa1.0.00332.1	410	94575	1.00E-126	306	330	92 +	14	334	39472	39800
UN32275	Rsa1.0.12059.1	1144	5329	0	345	348	99 -	473	819	244	591
UN32276	Rsa1.0.04196.1	728	18515	0	443	475	93 +	227	698	6845	7298
UN32277	Rsa1.0.05018.1	668	15118	0	641	666	96 -	1	666	7745	8387
UN32278	Rsa1.0.04846.1	633	15739	4.00E-95	200	205	97 +	1	203	5615	5819
UN32279	Rsa1.0.00427.1	873	189678	0	513	528	97 +	344	871	57292	57819
UN32280	Rsa1.0.20556.1	967	1293	0	831	853	97 +	115	967	126	967
UN32281	Rsa1.0.00044.1	852	271658	1.00E-175	336	344	97 +	1	344	46747	47090
UN32282	Rsa1.0.00028.1	898	293984	0	742	799	92 -	123	897	206521	207317
UN32283	Rsa1.0.07722.1	706	8711	0	674	704	95 -	3	705	3734	4436
UN32284	Rsa1.0.54934.1	714	416	0	414	416	99 +	20	435	1	416
UN32285	Rsa1.0.04427.1	1034	17399	1.00E-166	319	325	98 -	113	436	9848	10172
UN32286	Rsa1.0.00030.1	960	250988	0	840	896	93 -	1	896	64566	65461
UN32287	Rsa1.0.00247.1	968	103408	0	803	815	98 +	1	815	92569	93383
UN32288	Rsa1.0.00184.1	769	218748	0	744	767	97 +	1	767	100477	101242
UN32289	Rsa1.0.26541.1	955	887	3.00E-23	93	104	89 -	449	550	457	560
UN32290	Rsa1.0.00093.1	529	214962	1.00E-156	333	351	94 -	24	368	76430	76780

UN32291	Rsa1.0.00034.1	932	260119	1.00E-166	372	396	93 +	538	932	48060	48455
UN32292	Rsa1.0.00224.1	727	327530	1.00E-135	260	265	98 -	318	582	146839	147103
UN32293	Rsa1.0.01165.1	1179	51898	0	334	337	99 +	359	694	12956	13292
UN32294	Rsa1.0.00706.1	662	291570	1.00E-165	324	333	97 -	329	658	289554	289886
UN32295	Rsa1.0.01419.1	249	167402	1.00E-80	217	233	93 +	18	248	133992	134218
UN32296	Rsa1.0.00701.1	751	67691	0	744	747	99 +	3	749	42096	42842
UN32297	Rsa1.0.00682.1	769	68680	0	353	362	97 -	406	767	11148	11508
UN32298	Rsa1.0.04378.1	863	17651	0	856	865	98 +	1	863	11230	12093
UN32299	Rsa1.0.00252.1	705	102760	0	388	391	99 +	314	704	65962	66352
UN32300	Rsa1.0.00101.1	1067	267193	1.00E-121	269	285	94 +	87	371	107511	107795
UN32301	Rsa1.0.00043.1	890	264937	0	870	888	97 -	1	888	233015	233902
UN32302	Rsa1.0.01053.1	1260	55483	0	1253	1260	99 +	1	1259	3379	4638
UN32303	Rsa1.0.00460.1	1284	206387	0	962	965	99 +	1	965	30406	31370
UN32304	Rsa1.0.01249.1	653	188432	0	577	584	98 +	69	651	48917	49500
UN32305	Rsa1.0.00237.1	908	235974	0	800	917	87 +	8	908	26536	27425
UN32306	Rsa1.0.04297.1	878	18030	0	690	756	91 +	1	727	16508	17257
UN32307	Rsa1.0.00878.1	894	330303	0	372	382	97 +	514	894	132355	132736
UN32308	Rsa1.0.02251.1	1021	33404	1.00E-170	395	424	93 +	34	443	30177	30598
UN32309	Rsa1.0.00243.1	1161	103651	0	952	970	98 +	1	968	12751	13717
UN32310	Rsa1.0.04535.1	785	136600	0	399	411	97 -	374	784	4590	5000
UN32311	Rsa1.0.00661.1	743	213041	0	632	644	98 -	78	718	44882	45525
UN32312	Rsa1.0.15315.1	1024	2690	3.00E-75	309	360	85 +	510	858	1814	2171
UN32313	Rsa1.0.08731.1	1151	6991	8.00E-98	258	285	90 -	882	1146	5654	5938
UN32314	Rsa1.0.00525.1	886	78030	3.00E-41	102	107	95 +	97	203	19462	19568
UN32315	Rsa1.0.00553.1	362	75983	2.00E-58	118	119	99 +	242	360	7539	7657
UN32316	Rsa1.0.05842.1	647	12461	0	596	617	96 +	30	646	11638	12254
UN32317	Rsa1.0.00909.1	1275	59976	1.00E-136	274	283	96 -	1	283	28769	29051
UN32318	Rsa1.0.45645.1	727	494	0	412	420	98 +	22	441	1	419
UN32319	Rsa1.0.08572.1	501	7184	8.00E-93	182	185	98 -	187	371	6112	6296
UN32320	Rsa1.0.00028.1	889	293984	0	491	491	100 -	397	887	172618	173108
UN32321	Rsa1.0.04416.1	845	17458	0	842	844	99 -	1	844	14354	15197
UN32322	Rsa1.0.03297.1	705	23969	0	471	492	95 -	214	703	8203	8680
UN32323	Rsa1.0.00179.1	704	393324	0	701	703	99 -	1	703	194784	195486
UN32324	Rsa1.0.01072.1	647	55068	1.00E-103	229	240	95 -	146	377	1137	1375
UN32325	Rsa1.0.00023.1	898	194764	0	863	897	96 +	1	896	40449	41334
UN32326	Rsa1.0.00727.1	736	66724	1.00E-103	286	322	88 +	12	308	49346	49659
UN32327	Rsa1.0.08755.1	870	6955	0	815	849	95 -	1	846	3541	4380
UN32328	Rsa1.0.25979.1	1187	911	0	887	911	97 +	255	1156	1	911
UN32329	Rsa1.0.01000.1	554	57140	1.00E-127	300	326	92 +	3	326	5116	5420

UN32330	Rsa1.0_19157.1	1108	1472	0	578	588	98 +	519	1106	1	588
UN32331	Rsa1.0_04576.1	315	16783	1.00E-103	262	282	92 +	23	300	15663	15940
UN32332	Rsa1.0_00657.1	390	69858	0	385	389	98 +	1	388	9752	10140
UN32333	Rsa1.0_04794.1	544	15960	0	417	417	100 -	126	542	8928	9344
UN32334	Rsa1.0_04223.1	985	18407	0	383	388	98 -	1	388	14083	14470
UN32335	Rsa1.0_05221.1	445	14452	3.00E-89	170	171	99 -	5	175	13499	13669
UN32336	Rsa1.0_03624.1	333	21706	1.00E-75	235	262	89 +	2	258	15700	15956
UN32337	Rsa1.0_00011.1	888	225044	0	881	887	99 +	1	886	96801	97686
UN32338	Rsa1.0_00063.1	794	156150	0	744	761	97 -	1	761	135610	136370
UN32339	Rsa1.0_15268.1	793	2720	0	618	621	99 -	3	623	1067	1687
UN32340	Rsa1.0_05346.1	600	14101	0	560	590	94 +	5	594	11634	12216
UN32341	Rsa1.0_01780.1	621	39411	4.00E-27	72	75	96 -	526	600	5662	5736
UN32342	Rsa1.0_01836.1	883	38503	0	857	881	97 -	1	880	24702	25577
UN32343	Rsa1.0_02473.1	801	31083	0	750	797	94 +	3	793	23534	24325
UN32344	Rsa1.0_00480.1	842	81325	1.00E-121	236	241	97 -	254	494	75741	75981
UN32345	Rsa1.0_01081.1	1156	499226	0	1118	1172	95 +	1	1154	163216	164378
UN32346	Rsa1.0_08260.1	986	7640	1.00E-157	298	304	98 -	247	544	6418	6721
UN32347	Rsa1.0_02997.1	617	26150	0	604	615	98 -	2	616	14416	15029
UN32348	Rsa1.0_27681.1	984	843	1.00E-176	319	321	99 +	16	336	1	321
UN32349	Rsa1.0_00383.1	1070	398431	0	390	390	100 -	2	391	5585	5974
UN32350	Rsa1.0_01822.1	968	38784	2.00E-85	346	403	85 -	136	538	22037	22433
UN32351	Rsa1.0_00296.1	695	97854	0	453	487	93 -	36	519	20174	20656
UN32352	Rsa1.0_00347.1	477	93048	0	476	477	99 +	1	476	26819	27295
UN32353	Rsa1.0_02017.1	481	35999	0	468	487	96 -	6	480	32831	33315
UN32354	Rsa1.0_01040.1	1087	55926	0	655	657	99 +	430	1085	22822	23478
UN32355	Rsa1.0_06345.1	1168	11205	0	1146	1191	96 +	1	1168	930	2119
UN32356	Rsa1.0_01202.1	672	158825	1.00E-36	109	119	91 -	552	670	158111	158229
UN32357	Rsa1.0_04486.1	815	17161	0	773	811	95 +	5	813	8529	9339
UN32358	Rsa1.0_00038.1	735	314568	0	402	409	98 -	325	733	21148	21556
UN32359	Rsa1.0_05770.1	861	12678	0	497	497	100 +	1	497	1372	1868
UN32360	Rsa1.0_55032.1	1031	415	1.00E-170	327	335	97 +	1	335	68	402
UN32361	Rsa1.0_00194.1	1143	110851	0	650	668	97 +	417	1084	62757	63424
UN32362	Rsa1.0_00195.1	950	251884	1.00E-103	200	203	98 -	395	597	43020	43222
UN32363	#	#	#	#	#	#	#	#	#	#	#
UN32364	Rsa1.0_17019.1	214	1951	1.00E-55	129	134	96 -	71	203	1731	1864
UN32365	Rsa1.0_07441.1	1273	9388	1.00E-136	249	250	99 +	758	1007	8156	8405
UN32366	Rsa1.0_05282.1	1273	14270	0	436	457	95 -	1	456	9974	10430
UN32367	Rsa1.0_00324.1	869	218805	0	497	498	99 -	370	867	911	1408
UN32368	Rsa1.0_00587.1	1147	73982	2.00E-46	139	152	91 -	763	913	28932	29083

UN32369	Rsa1.0.01419.1	632	167402	1.00E-67	287	340	84 -	15	334	31073	31409
UN32370	Rsa1.0.00002.1	1221	601661	3.00E-60	152	163	93 -	845	1007	181132	181294
UN32371	Rsa1.0.03638.1	772	21634	1.00E-163	331	340	97 -	1	338	11607	11945
UN32372	Rsa1.0.00218.1	1220	201480	1.00E-113	317	349	90 +	377	718	141424	141762
UN32373	Rsa1.0.00576.1	914	178949	0	484	487	99 +	5	491	39372	39856
UN32374	Rsa1.0.03618.1	730	21744	0	347	348	99 -	1	348	9250	9597
UN32375	Rsa1.0.00098.1	564	349239	1.00E-135	248	249	99 +	314	562	219191	219439
UN32376	Rsa1.0.01585.1	725	42806	0	365	370	98 +	158	527	7857	8226
UN32377	Rsa1.0.00275.1	734	210104	3.00E-96	515	616	83 +	119	725	189952	190559
UN32378	Rsa1.0.01898.1	1118	37491	0	681	687	99 +	1	686	18809	19494
UN32379	Rsa1.0.27336.1	757	857	1.00E-137	266	272	97 +	322	593	7	278
UN32380	Rsa1.0.01941.1	839	37069	1.00E-123	240	245	97 +	338	582	35043	35287
UN32381	Rsa1.0.00427.1	591	189678	0	347	348	99 -	242	589	5053	5400
UN32382	Rsa1.0.00422.1	801	86144	0	460	498	92 -	313	801	35298	35777
UN32383	Rsa1.0.00423.1	917	86138	0	475	475	100 -	1	475	22823	23297
UN32384	Rsa1.0.01978.1	909	36546	0	791	806	98 +	104	909	498	1303
UN32385	Rsa1.0.00113.1	1243	131574	0	419	435	96 -	325	759	62642	63076
UN32386	Rsa1.0.03702.1	698	21292	0	680	705	96 +	1	697	13348	14049
UN32387	Rsa1.0.03644.1	697	21603	7.00E-14	59	65	90 +	627	691	3529	3593
UN32388	Rsa1.0.07843.1	820	8440	9.00E-63	135	139	97 -	470	608	2201	2339
UN32389	Rsa1.0.00145.1	798	261008	0	746	797	93 -	13	796	55669	56450
UN32390	Rsa1.0.01569.1	672	43029	0	437	473	92 +	3	471	19160	19624
UN32391	Rsa1.0.04510.1	980	17033	0	972	978	99 +	1	978	15242	16219
UN32392	Rsa1.0.04920.1	666	15434	0	389	397	97 +	3	399	12780	13173
UN32393	Rsa1.0.00851.1	1180	62181	0	1167	1180	98 +	2	1180	20312	21490
UN32394	Rsa1.0.01411.1	958	46326	1.00E-176	321	322	99 +	636	956	7472	7793
UN32395	Rsa1.0.00131.1	398	432233	7.00E-99	183	183	100 +	216	398	115842	116024
UN32396	Rsa1.0.02107.1	740	34940	1.00E-123	252	261	96 +	477	737	5811	6071
UN32397	Rsa1.0.00304.1	1331	97429	2.00E-89	174	176	98 +	586	761	5680	5855
UN32398	Rsa1.0.01749.1	685	39822	2.00E-84	197	209	94 -	7	214	12245	12446
UN32399	Rsa1.0.02878.1	1018	27048	1.00E-161	309	316	97 -	125	440	19740	20055
UN32400	Rsa1.0.00172.1	652	115476	0	627	646	97 +	4	646	7777	8422
UN32401	Rsa1.0.00751.1	830	65759	6.00E-61	123	124	99 +	120	243	38055	38178
UN32402	Rsa1.0.00131.1	442	432233	0	368	369	99 -	74	442	285262	285630
UN32403	Rsa1.0.00964.1	867	316648	0	759	806	94 -	79	860	5408	6208
UN32404	Rsa1.0.08750.1	1159	6961	0	1080	1140	94 +	1	1117	833	1961
UN32405	Rsa1.0.00403.1	609	87701	1.00E-147	274	277	98 -	2	278	77599	77875
UN32406	Rsa1.0.00136.1	746	122464	2.00E-38	91	94	96 +	652	745	92052	92145
UN32407	Rsa1.0.00008.1	723	358124	0	688	715	96 -	12	721	177243	177956

UN32408	Rsa1.0_00109.1	1160	132735	0	504	505	99 -	656	1160	40842	41346
UN32409	Rsa1.0_03067.1	894	25651	0	605	614	98 +	2	615	7908	8521
UN32410	Rsa1.0_02086.1	787	35198	0	451	452	99 +	211	662	6825	7276
UN32411	Rsa1.0_00362.1	959	299497	0	426	437	97 +	1	432	33936	34372
UN32412	Rsa1.0_04275.1	638	18136	2.00E-91	192	199	96 -	17	215	571	769
UN32413	Rsa1.0_00099.1	1160	159619	0	779	809	96 -	352	1160	3179	3981
UN32414	Rsa1.0_01860.1	856	38057	0	803	835	96 +	1	817	25497	26331
UN32415	Rsa1.0_00420.1	614	86496	0	540	595	90 +	23	606	55660	56246
UN32416	Rsa1.0_29827.1	889	771	0	560	575	97 -	1	566	1	575
UN32417	Rsa1.0_00006.1	711	396176	0	573	588	97 -	128	709	296014	296601
UN32418	Rsa1.0_00552.1	1175	206757	1.00E-144	308	321	95 +	837	1151	189655	189975
UN32419	Rsa1.0_00637.1	972	71038	0	491	494	99 -	477	970	64286	64778
UN32420	Rsa1.0_06297.1	399	11280	1.00E-173	374	394	94 -	4	393	9135	9524
UN32421	Rsa1.0_00536.1	989	77199	0	637	671	94 +	318	987	24158	24828
UN32422	Rsa1.0_01444.1	928	169539	0	923	926	99 +	1	926	4694	5619
UN32423	Rsa1.0_03398.1	568	23207	1.00E-137	266	270	98 -	1	268	20819	21086
UN32424	Rsa1.0_00159.1	522	431686	0	513	521	98 -	1	521	162547	163066
UN32425	Rsa1.0_03689.1	1212	21354	3.00E-20	80	88	90 +	72	159	14905	14991
UN32426	Rsa1.0_00648.1	592	70351	0	579	592	97 +	1	592	54875	55465
UN32427	Rsa1.0_00033.1	623	515811	0	575	593	96 +	30	621	352669	353259
UN32428	Rsa1.0_00087.1	863	761073	0	478	512	93 +	1	500	748906	749417
UN32429	Rsa1.0_01311.1	1008	48456	0	590	613	96 +	82	686	27587	28193
UN32430	Rsa1.0_01391.1	655	46694	0	651	655	99 +	1	655	11792	12445
UN32431	Rsa1.0_00272.1	353	447836	5.00E-87	169	171	98 +	1	171	439712	439882
UN32432	Rsa1.0_00362.1	1420	299497	0	779	798	97 -	482	1279	220963	221755
UN32433	Rsa1.0_22179.1	205	1144	7.00E-82	154	154	100 -	1	154	1	154
UN32434	Rsa1.0_65211.1	691	352	0	352	352	100 +	157	508	1	352
UN32435	Rsa1.0_03801.1	827	20762	0	648	655	98 -	9	663	8054	8708
UN32436	Rsa1.0_02800.1	764	27760	1.00E-12	54	59	91 -	322	380	8932	8990
UN32437	Rsa1.0_00025.1	1035	277312	0	505	516	97 +	435	950	240771	241286
UN32438	Rsa1.0_00929.1	1041	137796	5.00E-37	146	164	89 +	488	650	82684	82845
UN32439	Rsa1.0_10168.1	776	5964	0	774	775	99 -	1	775	1257	2031
UN32440	Rsa1.0_02589.1	947	300828	0	490	502	97 -	1	494	25402	25903
UN32441	Rsa1.0_00053.1	948	263459	0	785	898	87 -	51	948	35297	36190
UN32442	Rsa1.0_00484.1	741	203294	4.00E-71	165	173	95 -	8	180	123427	123598
UN32443	Rsa1.0_55236.1	756	414	0	413	414	99 +	61	473	1	414
UN32444	Rsa1.0_00028.1	964	293984	0	951	963	98 -	1	961	220626	221587
UN32445	Rsa1.0_00222.1	830	172263	1.00E-138	315	332	94 +	164	486	26129	26459
UN32446	Rsa1.0_15499.1	810	2570	1.00E-134	260	266	97 +	350	615	1132	1397

UN32447	Rsa1.0.03446.1	837	22876	0	583	595	97 +	1	595	11901	12492
UN32448	Rsa1.0.00433.1	602	85381	0	596	599	99 +	3	601	4824	5422
UN32449	Rsa1.0_10543.1	822	5808	0	457	473	96 -	2	474	4301	4765
UN32450	Rsa1.0.03797.1	595	20806	0	397	413	96 +	188	595	796	1208
UN32451	Rsa1.0_23727.1	554	1029	2.00E-50	177	202	87 +	2	188	442	643
UN32452	Rsa1.0_01222.1	661	50398	0	390	400	97 +	1	400	9528	9927
UN32453	Rsa1.0.00092.1	807	659932	0	450	450	100 -	2	451	28859	29308
UN32454	Rsa1.0.01839.1	274	38482	1.00E-135	259	263	98 +	12	274	13356	13616
UN32455	Rsa1.0.00101.1	445	267193	1.00E-167	333	342	97 +	3	342	90696	91037
UN32456	Rsa1.0.00001.1	874	363028	0	850	872	97 -	3	872	73736	74606
UN32457	Rsa1.0.00003.1	460	340054	0	435	460	94 +	1	460	208132	208588
UN32458	Rsa1.0.00019.1	1427	301669	0	629	638	98 -	536	1173	132036	132672
UN32459	Rsa1.0.00626.1	918	71582	1.00E-137	341	372	91 -	270	641	67979	68350
UN32460	Rsa1.0.00025.1	826	277312	0	372	383	97 +	1	382	275593	275974
UN32461	Rsa1.0.00279.1	850	100039	1.00E-121	291	317	91 +	550	848	37942	38258
UN32462	#	#	#	#	#	#	#	#	#	#	#
UN32463	Rsa1.0.01923.1	1228	37233	1.00E-143	314	329	95 +	1	326	20532	20858
UN32464	Rsa1.0.00577.1	601	174827	0	581	600	96 +	1	599	2549	3148
UN32465	Rsa1.0.02955.1	488	26484	1.00E-137	305	323	94 -	49	371	3983	4299
UN32466	Rsa1.0_14201.1	758	3670	0	712	727	97 +	19	745	1154	1880
UN32467	Rsa1.0_40489.1	269	554	4.00E-53	132	141	93 -	129	269	420	554
UN32468	Rsa1.0.04229.1	810	18389	2.00E-33	87	90	96 +	696	784	6335	6424
UN32469	Rsa1.0_26598.1	1063	884	0	668	695	96 -	374	1061	73	767
UN32470	Rsa1.0.02017.1	635	35999	0	474	483	98 -	151	633	21258	21738
UN32471	Rsa1.0.00284.1	1003	323267	3.00E-94	248	274	90 +	570	832	279443	279716
UN32472	Rsa1.0.00098.1	527	349239	0	439	454	96 -	12	464	253864	254316
UN32473	Rsa1.0.04399.1	843	17543	1.00E-113	216	219	98 +	370	588	5662	5880
UN32474	Rsa1.0.01769.1	1222	39568	0	473	513	92 +	375	871	35298	35808
UN32475	Rsa1.0.01416.1	540	46262	1.00E-158	378	407	92 +	55	451	24715	25119
UN32476	Rsa1.0.00107.1	809	431659	0	671	704	95 -	10	710	85557	86249
UN32477	Rsa1.0.00055.1	621	520193	1.00E-178	327	329	99 -	294	621	71781	72109
UN32478	Rsa1.0.37082.1	716	608	0	585	588	99 +	3	590	4	591
UN32479	Rsa1.0.01626.1	909	41989	0	353	353	100 -	555	907	26647	26999
UN32480	Rsa1.0.01799.1	668	39127	1.00E-108	279	307	90 -	22	309	4074	4380
UN32481	Rsa1.0.04541.1	716	16931	0	516	557	92 +	2	558	12996	13543
UN32482	Rsa1.0.07168.1	601	9790	4.00E-98	220	235	93 +	365	599	3361	3583
UN32483	Rsa1.0.00438.1	664	84861	0	346	351	98 +	1	350	46961	47311
UN32484	Rsa1.0.01288.1	877	49188	1.00E-134	289	302	95 +	199	499	29523	29822
UN32485	Rsa1.0_00108.1	833	478491	1.00E-158	383	411	93 -	2	407	40645	41051

UN32486	Rsa1.0_17792.1	228	1740	1.00E-120	222	223	99 -	5	227	1164	1386
UN32487	Rsa1.0_00694.1	574	68074	2.00E-90	169	169	100 -	1	169	4300	4468
UN32488	Rsa1.0_02975.1	453	26322	0	333	333	100 +	2	334	25676	26008
UN32489	Rsa1.0_03511.1	501	22373	1.00E-137	316	339	93 -	145	483	7768	8106
UN32490	Rsa1.0_03075.1	684	25560	0	463	479	96 +	18	493	20037	20513
UN32491	Rsa1.0_02619.1	983	29444	0	496	528	93 +	456	982	695	1222
UN32492	Rsa1.0_13690.1	586	4476	1.00E-158	286	287	99 +	298	584	3409	3695
UN32493	Rsa1.0_00023.1	1334	194764	6.00E-96	345	399	86 -	946	1325	16086	16482
UN32494	Rsa1.0_05110.1	987	14814	0	961	983	97 -	3	985	9340	10319
UN32495	Rsa1.0_02185.1	626	34150	0	618	624	99 -	1	624	2781	3403
UN32496	Rsa1.0_00361.1	768	91181	0	719	737	97 -	2	738	10531	11264
UN32497	Rsa1.0_00243.1	994	103651	3.00E-72	169	179	94 -	684	862	25798	25976
UN32498	Rsa1.0_00225.1	750	105892	1.00E-180	404	435	92 +	3	420	47591	48023
UN32499	Rsa1.0_15443.1	838	2603	2.00E-97	269	295	91 +	487	774	1196	1487
UN32500	Rsa1.0_00051.1	1150	258225	0	1145	1149	99 -	1	1149	134799	135947
UN32501	Rsa1.0_00868.1	1402	61630	0	470	473	99 -	713	1183	34923	35395
UN32502	Rsa1.0_00192.1	826	278200	1.00E-166	419	455	92 +	9	456	80048	80499
UN32503	Rsa1.0_00737.1	1171	66432	0	398	405	98 -	1	405	11456	11858
UN32504	Rsa1.0_02955.1	372	26484	0	361	371	97 +	1	371	6235	6605
UN32505	Rsa1.0_03503.1	911	22445	0	358	359	99 +	128	486	16954	17312
UN32506	Rsa1.0_19398.1	623	1438	3.00E-31	138	158	87 +	15	172	528	683
UN32507	Rsa1.0_02062.1	605	35485	0	593	615	96 +	1	605	7588	8202
UN32508	Rsa1.0_02661.1	961	28964	0	894	902	99 -	2	899	5551	6452
UN32509	Rsa1.0_01484.1	1004	44806	0	964	1012	95 -	13	1004	13284	14294
UN32510	Rsa1.0_01955.1	936	36850	0	378	385	98 -	2	385	11415	11799
UN32511	Rsa1.0_05471.1	754	13641	2.00E-39	155	176	88 -	356	529	145	320
UN32512	Rsa1.0_00064.1	748	240927	1.00E-128	240	241	99 -	1	240	132976	133216
UN32513	Rsa1.0_01711.1	767	40578	1.00E-154	403	441	91 -	283	716	26451	26891
UN32514	Rsa1.0_02263.1	955	33238	1.00E-100	214	222	96 -	102	323	27313	27533
UN32515	Rsa1.0_02095.1	606	35071	1.00E-142	268	272	98 -	46	317	7779	8050
UN32516	Rsa1.0_01338.1	771	155644	0	497	516	96 -	2	513	115946	116460
UN32517	Rsa1.0_07786.1	1026	8569	1.00E-112	221	226	97 -	585	810	6737	6962
UN32518	Rsa1.0_01177.1	994	51572	1.00E-140	398	446	89 -	1	428	46559	46993
UN32519	Rsa1.0_08181.1	718	7777	1.00E-157	281	281	100 +	1	281	3085	3365
UN32520	Rsa1.0_03855.1	544	20429	2.00E-16	48	49	97 +	496	544	11552	11600
UN32521	Rsa1.0_00487.1	1100	80674	2.00E-64	171	186	91 +	73	258	13053	13238
UN32522	Rsa1.0_00006.1	1284	396176	0	376	388	96 +	29	411	14353	14736
UN32523	Rsa1.0_02900.1	973	26928	0	949	971	97 +	8	971	2531	3497
UN32524	Rsa1.0_17488.1	1074	1816	1.00E-171	311	313	99 -	351	663	810	1122

UN32525	Rsa1.0_13934.1	778	4061	1.00E-106	198	199	99 -	479	677	1493	1691
UN32526	Rsa1.0_01893.1	1120	37520	1.00E-133	248	250	99 +	546	795	607	856
UN32527	Rsa1.0_00244.1	879	103590	0	871	879	99 +	2	877	81259	82136
UN32528	Rsa1.0_03231.1	997	24456	0	603	626	96 -	3	626	21022	21646
UN32529	Rsa1.0_00806.1	457	63674	0	441	467	94 +	1	456	42040	42506
UN32530	Rsa1.0_00115.1	837	131321	0	406	412	98 +	278	686	73634	74044
UN32531	Rsa1.0_03402.1	837	23188	2.00E-30	365	451	80 -	214	656	14577	15018
UN32532	Rsa1.0_00507.1	1160	79074	0	647	658	98 -	2	659	77475	78132
UN32533	Rsa1.0_01570.1	926	43015	0	920	921	99 +	3	923	7260	8180
UN32534	Rsa1.0_10779.1	607	5722	0	595	611	97 +	1	607	5071	5678
UN32535	Rsa1.0_02527.1	1237	177225	1.00E-158	284	284	100 +	232	515	20066	20349
UN32536	Rsa1.0_01572.1	599	42995	9.00E-90	290	328	88 -	252	577	20582	20909
UN32537	Rsa1.0_00088.1	981	141341	0	361	367	98 +	616	979	121427	121793
UN32538	Rsa1.0_00038.1	470	314568	0	465	466	99 +	3	468	250610	251075
UN32539	Rsa1.0_00265.1	1160	220635	2.00E-76	149	150	99 +	592	741	211002	211151
UN32540	Rsa1.0_02020.1	566	173211	0	347	353	98 +	1	351	2846	3194
UN32541	Rsa1.0_00600.1	827	73395	0	456	479	95 -	2	470	34742	35220
UN32542	Rsa1.0_00114.1	956	131330	0	638	664	96 -	7	669	56824	57485
UN32543	Rsa1.0_00019.1	1083	301669	0	1056	1079	97 +	6	1082	282415	283492
UN32544	Rsa1.0_00577.1	648	174827	0	516	519	99 +	1	519	25262	25780
UN32545	Rsa1.0_00098.1	847	349239	0	673	708	95 +	146	841	255663	256370
UN32546	Rsa1.0_00184.1	818	218748	0	773	795	97 +	23	817	106039	106832
UN32547	Rsa1.0_01572.1	768	42995	1.00E-150	276	277	99 -	491	766	20615	20891
UN32548	Rsa1.0_00098.1	852	349239	0	603	637	94 -	4	632	294855	295484
UN32549	Rsa1.0_05573.1	986	13290	1.00E-100	195	198	98 -	256	453	11138	11335
UN32550	Rsa1.0_01524.1	1036	43949	4.00E-96	179	179	100 -	31	209	42714	42892
UN32551	Rsa1.0_00734.1	1507	66508	0	385	393	97 -	613	1004	22616	23008
UN32552	Rsa1.0_00625.1	557	71672	0	541	556	97 +	1	556	7400	7955
UN32553	Rsa1.0_01820.1	815	38804	3.00E-90	181	185	97 -	1	185	36137	36321
UN32554	Rsa1.0_30821.1	440	744	0	424	432	98 +	3	434	315	744
UN32555	Rsa1.0_00151.1	788	119541	1.00E-136	311	332	93 +	351	682	47742	48070
UN32556	Rsa1.0_01321.1	1163	48248	0	438	442	99 +	1	442	34763	35202
UN32557	Rsa1.0_00002.1	807	601661	0	677	679	99 +	130	807	538860	539538
UN32558	Rsa1.0_04591.1	485	16717	7.00E-87	212	227	93 -	192	418	2892	3117
UN32559	Rsa1.0_00053.1	521	263459	8.00E-13	54	59	91 +	461	519	130126	130184
UN32560	Rsa1.0_16128.1	555	2271	2.00E-25	106	120	88 -	175	294	300	418
UN32561	Rsa1.0_00029.1	1339	272992	0	477	504	94 -	792	1292	260779	261279
UN32562	Rsa1.0_00119.1	309	467509	1.00E-166	305	308	99 +	1	308	346536	346843
UN32563	Rsa1.0_32074.1	1125	711	4.00E-81	277	318	87 +	661	978	378	695

UN32564	Rsa1.0_01987.1	916	36446	0	891	928	96 -	1	914	14512	15425
UN32565	Rsa1.0_01208.1	300	50718	1.00E-121	229	232	98 -	66	297	27893	28124
UN32566	Rsa1.0_00020.1	794	283099	0	765	795	96 +	1	794	97032	97818
UN32567	Rsa1.0_04249.1	1178	18269	1.00E-93	210	221	95 -	123	343	4144	4361
UN32568	Rsa1.0_00583.1	840	74309	1.00E-162	289	289	100 -	1	289	2938	3226
UN32569	Rsa1.0_02528.1	690	30452	0	476	495	96 -	6	497	5295	5789
UN32570	Rsa1.0_02276.1	788	33098	0	769	789	97 -	2	787	5995	6783
UN32571	Rsa1.0_05687.1	687	12932	1.00E-123	249	257	96 +	35	291	4298	4554
UN32572	Rsa1.0_00005.1	1239	353093	0	433	435	99 -	804	1238	274110	274544
UN32573	Rsa1.0_03366.1	414	23401	4.00E-82	155	155	100 -	3	157	21486	21640
UN32574	Rsa1.0_04594.1	1202	16713	0	966	1000	96 -	164	1163	12884	13880
UN32575	Rsa1.0_06170.1	787	11575	1.00E-132	243	244	99 -	501	744	2603	2846
UN32576	Rsa1.0_00372.1	799	90418	0	786	797	98 +	8	799	3773	4569
UN32577	Rsa1.0_00276.1	1013	100160	0	527	534	98 -	465	998	83905	84435
UN32578	Rsa1.0_00213.1	889	108167	0	349	352	99 +	536	887	13130	13480
UN32579	Rsa1.0_00645.1	1002	189716	0	515	535	96 -	12	546	3390	3923
UN32580	Rsa1.0_02776.1	861	27997	1.00E-138	255	257	99 -	2	258	18412	18668
UN32581	Rsa1.0_02433.1	940	158318	0	446	449	99 +	1	449	3156	3604
UN32582	Rsa1.0_07447.1	924	9380	0	471	481	97 +	3	483	7442	7922
UN32583	Rsa1.0_11517.1	1254	5481	0	509	511	99 -	743	1253	4756	5266
UN32584	Rsa1.0_00862.1	1092	61715	0	639	640	99 -	300	939	30911	31550
UN32585	Rsa1.0_03138.1	494	25092	0	462	470	98 -	26	493	24348	24816
UN32586	#	#	#	#	#	#	#	#	#	#	#
UN32587	Rsa1.0_07052.1	1128	9979	1.00E-106	202	204	99 +	430	633	7460	7663
UN32588	Rsa1.0_04776.1	1200	16017	0	544	580	93 +	370	935	2540	3119
UN32589	Rsa1.0_00116.1	738	365886	0	362	375	96 +	343	717	206778	207152
UN32590	Rsa1.0_03401.1	972	23191	0	970	971	99 -	1	971	14876	15845
UN32591	Rsa1.0_00301.1	992	365315	0	829	842	98 -	1	837	231350	232191
UN32592	Rsa1.0_00044.1	1255	271658	0	1217	1244	97 -	1	1241	67504	68747
UN32593	Rsa1.0_02820.1	766	27629	0	483	483	100 -	1	483	1548	2030
UN32594	Rsa1.0_00019.1	751	301669	0	748	756	98 -	1	751	63150	63905
UN32595	Rsa1.0_00773.1	1177	64839	0	434	461	94 -	2	457	16595	17047
UN32596	Rsa1.0_00265.1	420	220635	1.00E-122	252	262	96 +	3	264	130236	130497
UN32597	Rsa1.0_00438.1	744	84861	0	370	382	96 +	1	381	397	777
UN32598	#	#	#	#	#	#	#	#	#	#	#
UN32599	Rsa1.0_01921.1	573	168088	0	506	556	91 +	41	571	155474	156027
UN32600	Rsa1.0_24240.1	676	998	0	334	335	99 -	1	335	144	478
UN32601	Rsa1.0_20172.1	809	1331	0	804	807	99 +	3	809	496	1302
UN32602	Rsa1.0_05211.1	717	14493	0	420	421	99 +	1	421	6045	6465

UN32603	Rsa1.0.00083.1	1087	442773	0	785	791	99 -	1	791	400121	400911
UN32604	Rsa1.0.22308.1	227	1132	1.00E-116	223	226	98 -	1	224	716	941
UN32605	Rsa1.0.03309.1	518	23852	0	505	520	97 +	1	517	11625	12143
UN32606	Rsa1.0.02356.1	622	141500	0	406	419	96 +	201	619	136513	136930
UN32607	Rsa1.0.02651.1	1386	29046	0	1334	1389	96 +	1	1385	11762	13150
UN32608	Rsa1.0.07473.1	997	9296	0	374	376	99 -	1	376	2370	2745
UN32609	Rsa1.0.38666.1	882	582	0	578	582	99 +	159	740	1	582
UN32610	Rsa1.0.02295.1	797	149884	1.00E-163	294	295	99 -	179	473	146899	147193
UN32611	Rsa1.0.00125.1	1208	253043	0	1179	1216	96 +	2	1208	226076	227290
UN32612	Rsa1.0.00915.1	826	194446	1.00E-77	168	174	96 -	654	824	32800	32973
UN32613	Rsa1.0.01624.1	978	42064	0	951	981	96 -	1	978	39891	40870
UN32614	Rsa1.0.00506.1	682	79106	1.00E-157	305	313	97 +	370	682	21609	21921
UN32615	Rsa1.0.00003.1	994	340054	0	937	1008	92 -	4	993	132564	133543
UN32616	Rsa1.0.38118.1	158	591	5.00E-39	112	122	91 +	37	158	349	470
UN32617	Rsa1.0.00123.1	807	325650	0	518	522	99 +	1	522	218198	218719
UN32618	Rsa1.0.00507.1	798	79074	0	745	804	92 -	1	798	8980	9758
UN32619	Rsa1.0.00419.1	777	86562	0	382	384	99 -	4	387	84790	85173
UN32620	Rsa1.0.00276.1	874	100160	0	688	698	98 -	3	699	62615	63312
UN32621	Rsa1.0.00985.1	254	161950	1.00E-139	253	254	99 +	1	254	44703	44956
UN32622	Rsa1.0.00223.1	829	106231	0	784	840	93 +	1	827	11528	12349
UN32623	Rsa1.0.01264.1	748	49697	0	741	748	99 +	2	748	18995	19741
UN32624	Rsa1.0.00363.1	846	90968	0	779	836	93 -	1	827	25096	25926
UN32625	Rsa1.0.00459.1	767	82580	0	736	750	98 -	19	767	11911	12659
UN32626	Rsa1.0.02681.1	1066	28711	0	502	544	92 -	535	1066	14747	15280
UN32627	Rsa1.0.00055.1	713	520193	0	708	709	99 +	3	710	344808	345516
UN32628	Rsa1.0.01123.1	776	53359	1.00E-100	240	254	94 +	12	260	31765	32016
UN32629	Rsa1.0.01838.1	889	38500	0	855	889	96 -	1	887	12952	13822
UN32630	Rsa1.0.15622.1	628	2515	1.00E-158	301	306	98 -	6	311	1	305
UN32631	Rsa1.0.12720.1	404	5145	1.00E-177	363	379	95 -	26	404	457	835
UN32632	Rsa1.0.01185.1	819	149842	2.00E-66	132	133	99 +	595	727	127774	127906
UN32633	Rsa1.0.08598.1	742	7143	0	572	595	96 -	1	593	1	595
UN32634	Rsa1.0.00101.1	878	267193	0	842	878	95 +	2	878	228065	228926
UN32635	Rsa1.0.00211.1	817	228189	0	362	363	99 -	2	364	221931	222293
UN32636	Rsa1.0.09681.1	730	6214	0	355	355	100 +	5	359	1663	2017
UN32637	Rsa1.0.00626.1	782	71582	0	381	399	95 -	207	604	52343	52738
UN32638	Rsa1.0.00315.1	804	96426	0	781	803	97 -	1	803	60572	61368
UN32639	Rsa1.0.08837.1	538	6874	1.00E-147	270	272	99 +	194	465	699	970
UN32640	Rsa1.0.02472.1	1207	31085	0	542	558	97 -	6	557	3354	3911
UN32641	Rsa1.0.08286.1	763	7605	0	721	770	93 -	3	760	4485	5238

UN32642	Rsa1.0.00199.1	1030	249604	0	999	1035	96 -	1	1028	184007	185039
UN32643	Rsa1.0.03997.1	843	19652	1.00E-113	295	322	91 -	520	838	4507	4822
UN32644	Rsa1.0.04695.1	895	16343	0	564	567	99 -	327	893	4389	4955
UN32645	Rsa1.0.00652.1	763	70089	0	758	763	99 -	1	763	35528	36290
UN32646	Rsa1.0.00055.1	725	520193	7.00E-91	239	262	91 +	286	547	5872	6133
UN32647	Rsa1.0.00898.1	1148	202772	0	494	517	95 -	2	513	21463	21974
UN32648	Rsa1.0.02692.1	836	28626	0	589	611	96 -	1	611	15216	15826
UN32649	Rsa1.0.00211.1	806	228189	7.00E-79	162	166	97 +	604	769	16287	16452
UN32650	Rsa1.0.00275.1	847	210104	2.00E-88	169	170	99 +	1	170	10275	10444
UN32651	Rsa1.0.05095.1	730	14869	0	470	470	100 +	1	470	1402	1871
UN32652	Rsa1.0.66822.1	810	343	1.00E-177	317	318	99 -	328	645	26	343
UN32653	Rsa1.0.05947.1	497	12142	1.00E-45	169	193	87 -	16	208	7343	7523
UN32654	Rsa1.0.00092.1	1168	659932	0	565	569	99 +	544	1112	460761	461329
UN32655	Rsa1.0.07356.1	901	9517	0	889	908	97 -	1	899	4779	5682
UN32656	Rsa1.0.01794.1	857	39215	1.00E-137	276	284	97 +	1	283	27714	27997
UN32657	Rsa1.0.05013.1	709	15131	0	350	351	99 +	336	686	10111	10461
UN32658	Rsa1.0.02882.1	911	27039	0	535	562	95 +	2	554	1481	2042
UN32659	Rsa1.0.00549.1	687	76473	0	429	459	93 +	128	586	20132	20572
UN32660	Rsa1.0.17484.1	1098	1817	0	900	940	95 -	1	937	1	939
UN32661	Rsa1.0.00051.1	800	258225	0	800	801	99 +	1	800	151307	152107
UN32662	Rsa1.0.01876.1	1297	37800	0	397	397	100 -	874	1270	17273	17669
UN32663	Rsa1.0.00736.1	537	66455	0	380	380	100 +	1	380	36003	36382
UN32664	Rsa1.0.01274.1	789	49419	0	416	434	95 -	13	445	24409	24841
UN32665	Rsa1.0.00585.1	495	74164	0	484	486	99 +	9	494	687	1172
UN32666	Rsa1.0.00853.1	792	62101	0	408	415	98 -	1	415	19051	19462
UN32667	Rsa1.0.06398.1	776	11085	0	448	448	100 +	329	776	1	448
UN32668	Rsa1.0.08939.1	1177	6769	1.00E-151	274	275	99 -	463	737	4748	5022
UN32669	Rsa1.0.00250.1	1017	273771	0	417	442	94 +	2	434	223541	223982
UN32670	Rsa1.0.05892.1	485	12309	0	434	434	100 +	50	483	10344	10777
UN32671	Rsa1.0.00145.1	1058	261008	1.00E-130	306	323	94 +	1	322	19961	20277
UN32672	Rsa1.0.00655.1	586	195840	1.00E-152	357	384	92 +	195	577	148934	149311
UN32673	Rsa1.0.00419.1	664	86562	0	530	540	98 +	11	550	83778	84317
UN32674	Rsa1.0.16013.1	1049	2323	0	485	497	97 -	12	508	1	497
UN32675	Rsa1.0.02867.1	1041	27121	0	662	665	99 +	1	665	22104	22768
UN32676	Rsa1.0.01537.1	523	187285	0	470	475	98 -	3	477	171847	172321
UN32677	Rsa1.0.00538.1	973	77149	1.00E-175	312	312	100 -	1	312	58625	58936
UN32678	Rsa1.0.01575.1	392	42924	1.00E-157	280	280	100 +	2	281	37040	37319
UN32679	Rsa1.0.02083.1	1296	35216	1.00E-47	197	225	87 -	702	925	2091	2311
UN32680	Rsa1.0.00159.1	1043	431686	1.00E-144	291	300	97 -	1	299	418639	418938

UN32681	Rsa1.0_00040.1	548	324196	0	538	555	96 -	3	548	48137	48690
UN32682	Rsa1.0_01265.1	1139	49686	0	1029	1040	98 -	73	1112	30168	31207
UN32683	Rsa1.0_00668.1	1197	69421	0	1175	1201	97 +	1	1196	30374	31568
UN32684	Rsa1.0_03092.1	656	25448	0	651	654	99 +	1	654	8751	9404
UN32685	Rsa1.0_00035.1	1389	176449	0	1330	1386	95 +	20	1389	76687	78072
UN32686	Rsa1.0_00699.1	1262	184398	0	394	394	100 +	1	394	52782	53175
UN32687	Rsa1.0_00111.1	1042	390088	2.00E-89	229	248	92 +	3	240	369976	370222
UN32688	Rsa1.0_00019.1	798	301669	0	505	509	99 -	3	511	75859	76367
UN32689	Rsa1.0_30628.1	758	749	0	667	673	99 -	2	673	1	673
UN32690	Rsa1.0_00967.1	717	58049	0	398	402	99 -	317	717	24015	24416
UN32691	Rsa1.0_00829.1	882	158305	0	695	723	96 -	1	723	146767	147483
UN32692	Rsa1.0_02393.1	752	31795	0	473	484	97 -	3	485	16251	16734
UN32693	Rsa1.0_00676.1	482	69166	0	478	479	99 +	4	482	23247	23725
UN32694	Rsa1.0_00618.1	949	72195	0	331	332	99 +	248	579	61024	61355
UN32695	Rsa1.0_00060.1	1359	502678	0	478	478	100 +	1	478	371602	372079
UN32696	Rsa1.0_05545.1	1022	13379	0	1011	1019	99 -	3	1021	4360	5374
UN32697	Rsa1.0_00679.1	660	68971	1.00E-102	250	267	93 +	108	374	55145	55406
UN32698	Rsa1.0_00911.1	922	59943	0	625	629	99 -	1	626	42158	42785
UN32699	Rsa1.0_00225.1	859	105892	0	548	575	95 +	3	572	73270	73835
UN32700	Rsa1.0_00970.1	872	57994	0	587	588	99 -	1	588	10935	11522
UN32701	Rsa1.0_01021.1	1004	56610	0	616	622	99 -	1	621	24486	25107
UN32702	Rsa1.0_00107.1	320	431659	1.00E-178	318	319	99 -	1	319	1520	1838
UN32703	Rsa1.0_07639.1	827	8966	0	421	431	97 -	1	429	4982	5412
UN32704	Rsa1.0_01748.1	924	39855	0	469	478	98 +	1	478	27756	28233
UN32705	Rsa1.0_00527.1	988	77733	1.00E-161	412	452	91 -	465	915	59854	60305
UN32706	Rsa1.0_00882.1	624	61249	0	431	439	98 -	187	624	56815	57253
UN32707	Rsa1.0_59294.1	643	386	1.00E-131	245	246	99 -	152	396	141	386
UN32708	Rsa1.0_07783.1	784	8578	0	779	783	99 +	2	782	4492	5274
UN32709	Rsa1.0_01326.1	587	48072	0	504	514	98 +	1	511	3811	4321
UN32710	Rsa1.0_00031.1	489	179862	0	475	486	97 +	2	486	90863	91344
UN32711	Rsa1.0_01836.1	1329	38503	0	666	701	95 -	28	719	28854	29551
UN32712	Rsa1.0_14050.1	979	3867	0	604	610	99 -	30	639	3166	3775
UN32713	Rsa1.0_00301.1	751	365315	1.00E-116	237	245	96 -	167	411	363526	363770
UN32714	Rsa1.0_00535.1	1089	77239	0	800	843	94 -	254	1089	46692	47527
UN32715	Rsa1.0_01634.1	1152	41865	0	505	523	96 +	1	522	3613	4128
UN32716	Rsa1.0_00575.1	250	74791	1.00E-136	249	250	99 +	1	250	54366	54615
UN32717	Rsa1.0_08147.1	671	7835	0	555	579	95 -	80	654	6840	7405
UN32718	Rsa1.0_09002.1	1143	137863	0	710	720	98 -	2	721	135555	136273
UN32719	Rsa1.0_03751.1	988	21025	0	348	357	97 +	629	985	3635	3991

UN32720	Rsa1.0.42944.1	1310	523	0	521	522	99 +	389	910	2	523
UN32721	Rsa1.0.02515.1	658	30616	0	619	653	94 +	1	652	12614	13262
UN32722	Rsa1.0.02661.1	879	28964	1.00E-178	317	317	100 +	1	317	14012	14328
UN32723	Rsa1.0.00064.1	644	240927	1.00E-115	213	214	99 +	400	613	46845	47058
UN32724	Rsa1.0.00848.1	1270	152362	0	581	588	98 +	4	591	888	1475
UN32725	Rsa1.0.00905.1	1227	60110	0	1204	1222	98 -	2	1223	36257	37478
UN32726	Rsa1.0.42250.1	1088	531	0	349	350	99 -	2	351	1	350
UN32727	Rsa1.0.04969.1	392	15283	0	361	371	97 -	1	364	11384	11754
UN32728	Rsa1.0.21016.1	776	1245	0	528	560	94 -	9	550	408	965
UN32729	Rsa1.0.00068.1	1007	151813	1.00E-131	322	346	93 -	1	343	71033	71373
UN32730	Rsa1.0.45006.1	1070	501	0	497	506	98 +	177	682	1	501
UN32731	Rsa1.0.00863.1	450	254535	0	339	341	99 -	7	347	1252	1591
UN32732	Rsa1.0.01992.1	1049	36424	0	771	830	92 +	222	1045	22584	23408
UN32733	Rsa1.0.00156.1	526	118383	1.00E-124	257	264	97 -	262	524	38966	39226
UN32734	Rsa1.0.01424.1	1057	46139	0	574	575	99 +	415	989	38132	38706
UN32735	Rsa1.0.05358.1	589	14060	0	586	591	99 -	1	589	3003	3593
UN32736	Rsa1.0.08015.1	1055	8078	1.00E-168	303	304	99 +	389	692	6790	7093
UN32737	Rsa1.0.02290.1	862	32971	3.00E-13	179	224	79 -	260	483	1143	1365
UN32738	Rsa1.0.01846.1	1105	38367	0	857	858	99 -	1	858	26031	26888
UN32739	Rsa1.0.03434.1	345	22960	1.00E-169	304	305	99 -	2	306	13754	14058
UN32740	Rsa1.0.00908.1	888	59987	0	882	886	99 +	1	886	29694	30578
UN32741	Rsa1.0.00194.1	813	110851	1.00E-110	214	218	98 +	341	558	69886	70103
UN32742	Rsa1.0.06049.1	508	11851	1.00E-113	229	235	97 +	272	504	10624	10858
UN32743	Rsa1.0.06330.1	324	11222	2.00E-98	182	182	100 +	141	322	2815	2996
UN32744	Rsa1.0.00332.1	791	94575	0	491	512	95 -	279	789	47156	47661
UN32745	Rsa1.0.00336.1	1261	445051	0	738	754	97 -	2	755	144643	145396
UN32746	Rsa1.0.07636.1	740	8971	0	736	737	99 +	3	739	4772	5508
UN32747	Rsa1.0.06247.1	753	11395	1.00E-148	464	531	87 -	83	576	9150	9678
UN32748	Rsa1.0.02600.1	885	29657	0	820	867	94 +	21	885	91	934
UN32749	Rsa1.0.00068.1	482	151813	0	480	480	100 +	1	480	6636	7115
UN32750	Rsa1.0.00385.1	519	89160	1.00E-144	443	503	88 +	5	471	82480	82981
UN32751	Rsa1.0.07213.1	1030	9711	0	874	896	97 +	1	896	4279	5173
UN32752	Rsa1.0.01553.1	998	43379	0	459	460	99 -	1	460	37657	38116
UN32753	Rsa1.0.00394.1	639	148426	0	450	461	97 -	6	466	134461	134921
UN32754	Rsa1.0.00265.1	1012	220635	0	640	641	99 +	1	641	12058	12698
UN32755	Rsa1.0.07437.1	433	9394	0	429	431	99 -	1	431	4835	5265
UN32756	Rsa1.0.01508.1	937	44334	0	928	934	99 +	1	934	26538	27471
UN32757	Rsa1.0.00015.1	385	561803	1.00E-135	250	252	99 -	134	385	202055	202306
UN32758	Rsa1.0.00701.1	219	67691	8.00E-51	111	114	97 -	106	219	39717	39830

UN32759	Rsa1.0.00107.1	823	431659	1.00E-151	292	299	97 -	453	751	85557	85855
UN32760	Rsa1.0.04405.1	545	17508	1.00E-129	251	256	98 -	1	253	8725	8980
UN32761	Rsa1.0.10233.1	239	5928	1.00E-126	237	239	99 -	1	237	274	512
UN32762	Rsa1.0.01170.1	592	161131	1.00E-130	258	265	97 +	1	265	114521	114782
UN32763	Rsa1.0.02257.1	924	33318	1.00E-125	249	255	97 -	1	253	8219	8473
UN32764	Rsa1.0.15414.1	451	2620	1.00E-129	286	302	94 +	3	304	368	668
UN32765	Rsa1.0.38120.1	1317	591	1.00E-163	295	296	99 -	169	464	167	462
UN32766	Rsa1.0.07450.1	959	9373	0	429	432	99 -	1	432	2430	2860
UN32767	Rsa1.0.01508.1	1129	44334	0	739	746	99 +	1	746	18034	18776
UN32768	Rsa1.0.01903.1	897	37451	0	340	341	99 +	1	341	23404	23744
UN32769	Rsa1.0.06287.1	1055	11303	0	643	737	87 -	322	1054	2244	2944
UN32770	Rsa1.0.01321.1	560	48248	0	555	560	99 -	1	558	10870	11429
UN32771	Rsa1.0.04446.1	698	17317	0	605	616	98 +	83	698	1	616
UN32772	Rsa1.0.01944.1	445	37037	1.00E-113	207	207	100 +	238	444	26401	26607
UN32773	Rsa1.0.03947.1	453	19904	0	448	451	99 -	1	450	17917	18367
UN32774	Rsa1.0.08790.1	1048	6918	1.00E-123	320	348	91 -	380	719	4980	5327
UN32775	Rsa1.0.25230.1	740	946	5.00E-52	148	160	92 +	236	394	767	924
UN32776	Rsa1.0.02004.1	710	169138	0	481	484	99 -	2	484	160941	161424
UN32777	Rsa1.0.01920.1	354	158533	0	347	351	98 +	3	353	19065	19415
UN32778	Rsa1.0.19324.1	765	1447	1.00E-142	271	276	98 -	425	700	1029	1304
UN32779	Rsa1.0.01819.1	750	38834	0	377	380	99 +	8	387	4206	4585
UN32780	Rsa1.0.00017.1	958	752458	1.00E-165	431	473	91 +	2	469	375100	375552
UN32781	Rsa1.0.01782.1	909	39384	1.00E-86	226	247	91 -	663	909	9564	9810
UN32782	Rsa1.0.00024.1	826	188018	0	799	823	97 -	1	823	148464	149286
UN32783	Rsa1.0.01081.1	770	499226	0	708	720	98 +	52	770	21410	22129
UN32784	Rsa1.0.04027.1	325	19501	1.00E-169	321	327	98 +	1	325	12121	12447
UN32785	Rsa1.0.01363.1	274	47195	1.00E-107	206	208	99 -	66	272	28829	29036
UN32786	Rsa1.0.11808.1	481	5402	2.33E-156	274	277	98 +	3	277	4290	4566
UN32787	Rsa1.0.00754.1	979	65689	1.00E-147	281	285	98 -	318	602	6934	7217
UN32788	Rsa1.0.00079.1	401	606987	1.00E-148	375	404	92 -	2	401	18914	19308
UN32789	Rsa1.0.00058.1	682	159921	0	649	673	96 +	15	681	1745	2416
UN32790	Rsa1.0.03658.1	1069	21549	1.00E-155	279	279	100 -	1	279	4404	4682
UN32791	Rsa1.0.00762.1	738	165246	1.00E-167	338	350	96 +	390	738	21989	22338
UN32792	Rsa1.0.46885.1	626	482	1.00E-122	267	280	95 -	347	626	52	327
UN32793	Rsa1.0.32744.1	644	695	0	377	381	98 +	2	382	171	551
UN32794	Rsa1.0.00817.1	405	62961	0	391	400	97 -	5	404	58247	58644
UN32795	Rsa1.0.03333.1	811	23662	0	799	810	98 +	3	809	14222	15031
UN32796	Rsa1.0.07021.1	856	10016	0	463	479	96 -	378	856	8692	9170
UN32797	Rsa1.0.00657.1	614	69858	1.00E-160	324	334	97 -	12	343	16050	16383

UN32798	Rsa1.0.01569.1	1456	43029	0	564	579	97 -	354	932	8261	8839
UN32799	Rsa1.0.01017.1	868	56714	0	404	409	98 +	459	867	35358	35766
UN32800	Rsa1.0.00686.1	843	68511	2.33E-156	276	279	98 +	1	278	53164	53442
UN32801	Rsa1.0.02297.1	863	160804	2.33E-156	407	455	89 -	408	862	7649	8103
UN32802	Rsa1.0.02024.1	706	149168	0	678	703	96 +	3	705	116365	117060
UN32803	Rsa1.0.00617.1	725	72199	0	573	585	97 -	1	585	56419	57002
UN32804	Rsa1.0.02478.1	1183	150183	6.00E-40	169	197	85 -	359	555	147737	147933
UN32805	Rsa1.0.04706.1	824	16293	0	739	776	95 -	1	775	13280	14055
UN32806	Rsa1.0.03082.1	832	25520	0	800	830	96 +	2	831	19911	20739
UN32807	Rsa1.0.09261.1	1356	6521	0	444	462	96 -	775	1235	1337	1798
UN32808	Rsa1.0.00990.1	631	57445	1.00E-165	342	355	96 +	2	350	44972	45326
UN32809	Rsa1.0.00070.1	688	150321	5.00E-58	203	225	90 +	467	686	49497	49718
UN32810	Rsa1.0.00114.1	1096	131330	0	570	624	91 -	4	602	34658	35281
UN32811	Rsa1.0.00376.1	568	90101	0	549	568	96 -	3	567	5710	6274
UN32812	Rsa1.0.00082.1	586	237584	0	550	596	92 +	1	586	29837	30414
UN32813	Rsa1.0.01366.1	1190	47139	0	1082	1100	98 -	1	1098	39164	40261
UN32814	Rsa1.0.00031.1	968	179862	0	916	929	98 -	40	967	120861	121788
UN32815	Rsa1.0.05853.1	1377	12417	1.00E-112	213	215	99 -	568	782	1137	1351
UN32816	Rsa1.0.07296.1	604	9599	1.00E-163	330	344	95 -	257	600	1490	1825
UN32817	Rsa1.0.00376.1	933	90101	0	579	590	98 -	343	932	39142	39731
UN32818	Rsa1.0.02983.1	1054	26268	1.00E-101	381	439	86 +	1	427	5215	5639
UN32819	Rsa1.0.03676.1	1048	21437	0	974	981	99 +	1	981	17257	18236
UN32820	Rsa1.0.07667.1	919	8863	5.00E-77	336	399	84 -	2	400	6240	6638
UN32821	Rsa1.0.09070.1	737	6671	8.00E-97	328	372	88 +	365	736	4453	4820
UN32822	Rsa1.0.03601.1	310	21850	5.00E-93	284	322	88 -	1	310	13705	14025
UN32823	Rsa1.0.02155.1	748	34522	8.00E-23	116	139	83 -	169	307	34372	34496
UN32824	Rsa1.0.00676.1	1026	69166	1.00E-132	239	239	100 +	25	263	52224	52462
UN32825	Rsa1.0.02188.1	754	34104	5.00E-24	73	78	93 +	4	81	6362	6439
UN32826	Rsa1.0.01264.1	742	49697	0	717	759	94 +	2	742	16655	17413
UN32827	Rsa1.0.00098.1	768	349239	0	417	417	100 +	1	417	224047	224463
UN32828	Rsa1.0.00251.1	451	303968	8.00E-65	168	182	92 -	258	439	113349	113530
UN32829	Rsa1.0.00413.1	813	86921	1.00E-111	401	459	87 +	60	507	64271	64718
UN32830	Rsa1.0.19551.1	1264	1416	0	701	729	96 +	330	1057	142	867
UN32831	Rsa1.0.00503.1	1148	79468	0	1140	1148	99 -	1	1147	37138	38284
UN32832	Rsa1.0.02212.1	1030	33840	0	532	551	96 +	6	554	20807	21357
UN32833	Rsa1.0.02360.1	629	32203	1.00E-151	312	325	96 +	296	620	22909	23230
UN32834	Rsa1.0.00367.1	538	90750	1.00E-109	322	362	88 +	63	423	72661	73000
UN32835	Rsa1.0.00306.1	505	146760	1.00E-178	331	336	98 -	167	502	76112	76447
UN32836	Rsa1.0.00651.1	792	247766	0	393	394	99 +	395	787	79083	79476

UN32837	Rsa1.0.01860.1	638	38057	0	626	640	97 -	1	638	10542	11180
UN32838	Rsa1.0.03155.1	759	24958	0	416	435	95 +	3	434	4651	5078
UN32839	Rsa1.0.02018.1	825	35994	0	814	820	99 +	3	820	29150	29969
UN32840	Rsa1.0.00241.1	1104	104000	0	422	436	96 +	196	630	11606	12041
UN32841	Rsa1.0.00064.1	591	240927	1.00E-143	296	309	95 -	277	585	180978	181275
UN32842	Rsa1.0.00211.1	853	228189	0	707	712	99 -	141	852	142265	142976
UN32843	Rsa1.0.00042.1	1276	171507	1.00E-123	252	260	96 -	1	260	157980	158238
UN32844	Rsa1.0.00029.1	707	272992	1.00E-70	160	168	95 +	287	454	175537	175704
UN32845	Rsa1.0.00246.1	696	103541	1.00E-115	352	401	87 -	1	381	88841	89230
UN32846	Rsa1.0.00119.1	864	467509	1.00E-151	364	391	93 -	271	661	170959	171336
UN32847	Rsa1.0.01666.1	574	173972	0	528	582	90 +	1	572	145664	146237
UN32848	Rsa1.0.00230.1	652	105389	1.00E-154	323	338	95 +	2	336	850	1187
UN32849	Rsa1.0.02510.1	925	30662	0	820	858	95 +	1	850	23170	24024
UN32850	Rsa1.0.03061.1	446	25697	0	440	444	99 -	1	444	22400	22841
UN32851	Rsa1.0.00280.1	964	99966	0	951	963	98 +	1	962	67463	68425
UN32852	Rsa1.0.00013.1	1009	292129	1.00E-163	361	383	94 -	627	1009	23022	23403
UN32853	Rsa1.0.00167.1	844	116000	0	689	719	95 +	2	711	87208	87926
UN32854	Rsa1.0.00604.1	206	146282	3.00E-44	172	195	88 -	12	196	96141	96332
UN32855	Rsa1.0.07168.1	588	9790	1.00E-111	274	296	92 +	1	296	2153	2437
UN32856	Rsa1.0.00160.1	752	346678	0	370	384	96 +	17	400	186431	186814
UN32857	Rsa1.0.00880.1	569	61271	0	553	570	97 +	1	567	53467	54036
UN32858	Rsa1.0.00512.1	858	200277	0	830	868	95 +	1	857	28830	29685
UN32859	Rsa1.0.01219.1	1089	50527	2.00E-64	171	186	91 +	179	364	4981	5166
UN32860	Rsa1.0.02873.1	637	27077	0	499	530	94 -	10	535	1333	1849
UN32861	Rsa1.0.00918.1	679	59720	0	521	533	97 +	2	534	39592	40124
UN32862	Rsa1.0.00457.1	1008	337301	0	988	1021	96 -	2	1004	184440	185459
UN32863	Rsa1.0.00456.1	987	82826	0	980	986	99 -	1	984	58286	59271
UN32864	Rsa1.0.00087.1	571	761073	0	557	571	97 +	1	571	548327	548896
UN32865	Rsa1.0.00019.1	597	301669	1.00E-166	318	324	98 +	2	324	264340	264663
UN32866	Rsa1.0.01102.1	740	53987	0	483	489	98 +	252	739	5603	6090
UN32867	Rsa1.0.05995.1	830	11997	0	458	470	97 -	3	467	4717	5186
UN32868	Rsa1.0.00744.1	642	66084	0	460	465	98 +	177	641	30070	30534
UN32869	Rsa1.0.02113.1	403	34890	1.00E-121	246	254	96 +	1	254	9534	9784
UN32870	Rsa1.0.01242.1	543	50066	1.00E-157	343	366	93 +	2	352	2369	2732
UN32871	Rsa1.0.00964.1	1020	316648	0	547	586	93 +	1	583	12382	12945
UN32872	Rsa1.0.04709.1	972	16285	0	888	923	96 -	54	972	1613	2519
UN32873	Rsa1.0.00345.1	798	93226	1.00E-107	296	326	90 +	351	662	65738	66060
UN32874	Rsa1.0.00001.1	707	363028	0	670	694	96 +	16	704	91723	92407
UN32875	Rsa1.0.14342.1	1062	3499	1.00E-155	318	331	96 +	1	331	796	1126

UN32876	Rsa1.0.01172.1	612	51734	0	596	612	97 +	1	612	28442	29049
UN32877	Rsa1.0.06757.1	818	10411	0	764	794	96 +	33	817	3139	3931
UN32878	Rsa1.0.16753.1	590	2046	2.33E-156	280	286	97 +	305	590	1	286
UN32879	Rsa1.0.02197.1	1130	33996	1.00E-104	214	221	96 -	400	620	1833	2053
UN32880	Rsa1.0.07593.1	999	9059	0	872	878	99 -	122	997	1573	2450
UN32881	Rsa1.0.03351.1	754	23514	1.00E-155	362	386	93 -	218	603	14289	14666
UN32882	Rsa1.0.03743.1	706	21062	0	397	416	95 +	1	413	20521	20936
UN32883	Rsa1.0.00675.1	1216	145590	2.00E-49	208	246	84 +	955	1188	140335	140580
UN32884	Rsa1.0.00429.1	834	85559	0	572	585	97 +	1	585	53605	54189
UN32885	Rsa1.0.03755.1	545	21000	0	525	543	96 +	3	545	9803	10345
UN32886	Rsa1.0.00405.1	621	202864	0	618	619	99 -	1	619	62751	63369
UN32887	Rsa1.0.00053.1	865	263459	1.00E-130	263	272	96 -	401	672	63729	64000
UN32888	Rsa1.0.08412.1	1123	7404	0	810	845	95 -	282	1123	6459	7295
UN32889	Rsa1.0.01624.1	688	42064	0	505	511	98 +	1	511	8476	8986
UN32890	Rsa1.0.00500.1	951	272308	6.00E-89	185	191	96 -	760	950	2043	2233
UN32891	Rsa1.0.00581.1	1039	163575	0	661	683	96 -	2	684	157546	158213
UN32892	Rsa1.0.07240.1	645	9676	2.33E-156	303	315	96 +	3	316	2160	2470
UN32893	Rsa1.0.02528.1	772	30452	2.00E-48	102	103	99 +	331	433	10564	10666
UN32894	Rsa1.0.01338.1	793	155644	0	377	382	98 -	411	792	12363	12744
UN32895	Rsa1.0.00774.1	602	64831	0	597	598	99 +	2	599	9259	9856
UN32896	Rsa1.0.00024.1	514	188018	0	452	493	91 +	1	485	120960	121452
UN32897	Rsa1.0.05876.1	828	12348	1.00E-123	287	308	93 +	28	333	8770	9069
UN32898	Rsa1.0.05884.1	699	12337	0	648	688	94 +	5	684	11634	12316
UN32899	Rsa1.0.00136.1	1103	122464	1.00E-166	354	372	95 +	92	461	10839	11210
UN32900	Rsa1.0.00338.1	375	94109	3.00E-39	179	207	86 +	162	367	85645	85849
UN32901	Rsa1.0.00181.1	811	114269	0	793	812	97 +	1	810	79067	79878
UN32902	Rsa1.0.00457.1	1251	337301	0	596	616	96 -	37	651	320171	320778
UN32903	Rsa1.0.03954.1	1319	19886	5.00E-44	170	196	86 -	172	367	7535	7730
UN32904	Rsa1.0.00838.1	702	153820	0	646	664	97 -	1	664	7812	8475
UN32905	Rsa1.0.00642.1	755	201230	1.00E-159	396	427	92 +	7	430	163593	164015
UN32906	Rsa1.0.00371.1	771	90463	0	410	431	95 -	261	679	7772	8202
UN32907	Rsa1.0.06128.1	624	11671	0	606	623	97 +	1	623	6644	7263
UN32908	Rsa1.0.00724.1	489	66789	3.00E-55	144	155	92 -	41	195	52348	52498
UN32909	Rsa1.0.15030.1	668	2881	1.00E-160	289	290	99 +	5	294	1500	1789
UN32910	#	#	#	#	#	#	#	#	#	#	#
UN32911	Rsa1.0.00524.1	753	169613	0	688	748	91 +	6	753	163931	164656
UN32912	Rsa1.0.00563.1	639	75491	0	607	634	95 +	3	636	22754	23383
UN32913	Rsa1.0.08628.1	842	7109	0	579	611	94 -	3	612	2751	3361
UN32914	Rsa1.0.00748.1	715	65983	1.00E-177	374	393	95 +	324	713	11037	11429

UN32915	Rsa1.0.03257.1	800	24305	0	784	795	98 +	9	800	6313	7106
UN32916	Rsa1.0.05415.1	1028	13830	0	816	843	96 +	184	1026	10745	11587
UN32917	Rsa1.0.05189.1	213	14545	2.00E-51	167	193	86 +	44	212	3167	3359
UN32918	Rsa1.0.00030.1	915	250988	1.00E-115	246	257	95 -	207	463	152706	152959
UN32919	Rsa1.0.00838.1	472	153820	1.00E-168	309	312	99 -	1	312	49408	49719
UN32920	Rsa1.0.01397.1	1300	183276	0	1080	1143	94 -	157	1299	40368	41506
UN32921	Rsa1.0.01456.1	696	45372	0	364	376	96 -	323	695	1357	1732
UN32922	Rsa1.0.01592.1	675	42685	0	615	617	99 +	57	673	16638	17254
UN32923	Rsa1.0.02957.1	851	26479	0	804	826	97 +	3	819	13699	14522
UN32924	Rsa1.0.00085.1	426	142226	1.00E-91	224	239	93 +	1	239	28413	28644
UN32925	Rsa1.0.01004.1	893	56975	0	572	592	96 +	89	680	56386	56975
UN32926	Rsa1.0.00116.1	506	365886	0	491	506	97 -	1	506	4774	5279
UN32927	Rsa1.0.29827.1	773	771	0	442	452	97 -	4	452	1	452
UN32928	Rsa1.0.00225.1	779	105892	1.00E-172	316	319	99 +	222	540	98398	98716
UN32929	Rsa1.0.23333.1	509	1056	1.00E-85	164	165	99 +	246	410	598	762
UN32930	Rsa1.0.00356.1	878	91521	1.00E-99	224	236	94 -	640	875	29542	29775
UN32931	Rsa1.0.01518.1	933	141402	6.00E-92	239	258	92 +	1	253	119817	120074
UN32932	Rsa1.0.10011.1	828	6040	0	804	842	95 +	1	828	4303	5144
UN32933	Rsa1.0.00275.1	1319	210104	0	677	678	99 -	402	1079	157269	157946
UN32934	Rsa1.0.00769.1	740	64911	0	555	558	99 +	3	560	5179	5736
UN32935	Rsa1.0.04288.1	967	18077	0	519	563	92 +	21	580	6581	7114
UN32936	Rsa1.0.00031.1	954	179862	0	554	571	97 -	61	631	86108	86676
UN32937	Rsa1.0.00825.1	943	62855	0	594	635	93 -	1	611	35580	36210
UN32938	Rsa1.0.00154.1	699	189461	0	600	672	89 +	42	692	10465	11127
UN32939	Rsa1.0.00472.1	868	398134	1.00E-138	292	307	95 +	1	295	306551	306856
UN32940	Rsa1.0.02791.1	855	27832	1.00E-126	254	262	96 -	593	854	16071	16332
UN32941	Rsa1.0.05488.1	1124	13567	1.00E-128	251	257	97 +	275	531	8828	9084
UN32942	#	#	#	#	#	#	#	#	#	#	#
UN32943	Rsa1.0.04816.1	943	15872	0	913	943	96 -	1	943	11787	12729
UN32944	Rsa1.0.00050.1	752	237174	7.00E-14	57	61	93 +	692	752	186052	186111
UN32945	Rsa1.0.00757.1	1222	65559	1.00E-160	308	315	97 -	727	1041	62121	62435
UN32946	Rsa1.0.07913.1	754	8303	1.00E-158	346	359	96 -	7	359	7185	7543
UN32947	Rsa1.0.00065.1	358	454616	1.00E-161	339	356	95 -	1	356	42318	42669
UN32948	Rsa1.0.15795.1	763	2418	1.00E-120	254	262	96 +	1	260	2160	2418
UN32949	Rsa1.0.00226.1	817	105884	1.00E-147	265	265	100 -	1	265	48704	48968
UN32950	Rsa1.0.00804.1	997	63726	0	609	612	99 +	319	930	56954	57565
UN32951	Rsa1.0.00538.1	579	77149	0	576	581	99 -	1	579	13631	14211
UN32952	Rsa1.0.05719.1	1033	12836	1.00E-173	355	367	96 -	16	380	5953	6316
UN32953	Rsa1.0.19336.1	1107	1446	0	744	785	94 +	327	1106	1	763

UN32954	Rsa1.0.02785.1	750	27881	0	612	640	95 +	1	640	559	1186
UN32955	Rsa1.0.02215.1	928	33822	1.00E-170	306	307	99 +	621	927	17091	17397
UN32956	Rsa1.0.02532.1	1047	30403	1.00E-144	283	289	97 -	1	285	17632	17920
UN32957	Rsa1.0.00522.1	993	78103	0	663	713	92 -	64	774	21976	22683
UN32958	Rsa1.0.01023.1	920	56571	1.00E-137	368	401	91 -	1	383	20370	20764
UN32959	Rsa1.0.02725.1	817	28404	9.00E-29	137	158	86 -	418	574	7160	7316
UN32960	Rsa1.0.05883.1	1005	12337	0	931	950	98 -	4	953	8926	9875
UN32961	Rsa1.0.03050.1	358	25764	1.00E-160	304	309	98 +	1	308	24164	24472
UN32962	Rsa1.0.00280.1	739	99966	3.00E-96	418	488	85 +	258	734	84	541
UN32963	#	#	#	#	#	#	#	#	#	#	#
UN32964	Rsa1.0.01614.1	159	42238	7.00E-75	151	154	98 -	1	154	11340	11493
UN32965	Rsa1.0.10165.1	682	5966	0	423	424	99 -	1	424	363	786
UN32966	Rsa1.0.00056.1	602	332604	1.00E-177	390	414	94 -	1	408	24818	25230
UN32967	Rsa1.0.06841.1	1153	10286	0	990	1025	96 +	1	1023	5650	6670
UN32968	Rsa1.0.00070.1	1213	150321	1.00E-140	380	421	90 -	85	492	69183	69585
UN32969	Rsa1.0.04110.1	874	18998	4.00E-93	270	299	90 +	3	299	9396	9690
UN32970	Rsa1.0.22307.1	805	1132	2.33E-156	335	357	93 +	452	805	26	376
UN32971	Rsa1.0.00077.1	529	145005	1.00E-153	303	309	98 -	1	307	74268	74574
UN32972	Rsa1.0.03883.1	320	20282	3.00E-85	204	218	93 -	3	212	9232	9449
UN32973	Rsa1.0.27336.1	965	857	1.00E-129	264	274	96 +	150	423	5	278
UN32974	Rsa1.0.00442.1	577	84596	0	542	577	93 +	4	575	74679	75252
UN32975	Rsa1.0.59466.1	930	385	0	347	349	99 +	8	356	1	349
UN32976	Rsa1.0.05398.1	335	13885	1.00E-166	326	335	97 +	1	334	11900	12229
UN32977	Rsa1.0.00131.1	670	432233	0	348	351	99 +	6	356	273386	273735
UN32978	Rsa1.0.00859.1	690	61795	0	537	556	96 -	40	595	48538	49093
UN32979	Rsa1.0.08771.1	736	6938	1.00E-132	373	412	90 -	4	413	605	995
UN32980	Rsa1.0.00841.1	188	183065	8.00E-66	142	147	96 -	40	186	3134	3275
UN32981	Rsa1.0.09565.1	772	6285	1.00E-157	375	405	92 +	202	590	5859	6262
UN32982	Rsa1.0.05293.1	1315	14237	1.00E-158	290	292	99 +	287	578	837	1128
UN32983	Rsa1.0.00788.1	783	64237	0	476	500	95 -	1	490	34653	35152
UN32984	Rsa1.0.05738.1	593	12778	3.00E-40	192	225	85 -	143	366	9719	9942
UN32985	Rsa1.0.00179.1	619	393324	1.00E-132	293	307	95 +	6	311	359992	360295
UN32986	Rsa1.0.01156.1	846	52147	0	765	786	97 +	1	778	43454	44236
UN32987	Rsa1.0.00065.1	835	454616	0	811	837	96 +	1	834	132946	133782
UN32988	Rsa1.0.00042.1	1348	171507	0	1348	1348	100 -	1	1348	102629	103976
UN32989	Rsa1.0.00301.1	621	365315	1.00E-140	302	317	95 -	1	317	189263	189578
UN32990	Rsa1.0.25955.1	725	912	1.00E-61	184	204	90 +	1	204	633	824
UN32991	Rsa1.0.14858.1	1478	3008	0	791	811	97 -	1	793	203	1013
UN32992	Rsa1.0.01289.1	1028	49181	1.00E-168	300	300	100 +	484	783	46288	46587

UN32993	Rsa1.0.01469.1	541	45139	0	536	541	99 +	1	541	30996	31536
UN32994	Rsa1.0.06656.1	1141	10589	0	611	614	99 -	6	619	6002	6615
UN32995	Rsa1.0.00277.1	1030	100132	1.00E-133	245	246	99 -	1	246	82415	82660
UN32996	Rsa1.0.00099.1	781	159619	0	762	790	96 -	1	780	127406	128194
UN32997	Rsa1.0.03624.1	1053	21706	0	838	864	96 -	2	865	14843	15703
UN32998	Rsa1.0.00877.1	485	61305	0	376	377	99 +	1	377	18130	18506
UN32999	Rsa1.0.02360.1	583	32203	1.00E-144	280	287	97 +	296	582	22909	23195
UN33000	Rsa1.0.06165.1	930	11584	0	490	493	99 +	432	924	4711	5201
UN33001	Rsa1.0.00611.1	482	72410	1.00E-123	243	249	97 +	2	250	2534	2778
UN33002	Rsa1.0.00022.1	603	200461	0	510	554	92 -	60	603	141937	142479
UN33003	Rsa1.0.00713.1	991	158017	0	678	711	95 -	1	698	144676	145384
UN33004	Rsa1.0.03521.1	774	396204	0	524	527	99 -	4	530	133159	133685
UN33005	Rsa1.0.00989.1	925	57494	0	484	494	97 +	5	497	4242	4735
UN33006	Rsa1.0.00636.1	593	71113	0	570	598	95 +	1	592	66378	66972
UN33007	Rsa1.0.00121.1	645	278029	1.00E-155	343	361	95 -	292	644	89923	90283
UN33008	Rsa1.0.02449.1	1107	31292	0	700	725	96 +	1	718	8333	9049
UN33009	Rsa1.0.00123.1	435	325650	1.00E-137	259	263	98 -	1	263	113078	113340
UN33010	Rsa1.0.01989.1	1324	36439	0	352	352	100 +	971	1322	6260	6611
UN33011	Rsa1.0.00032.1	886	306326	2.00E-97	342	395	86 +	231	598	245014	245407
UN33012	Rsa1.0.00282.1	459	177799	7.00E-90	168	168	100 -	1	168	19965	20132
UN33013	Rsa1.0.00177.1	226	143394	1.00E-107	212	217	97 +	3	219	133945	134161
UN33014	Rsa1.0.17363.1	757	1849	0	643	653	98 +	1	648	224	875
UN33015	Rsa1.0.00802.1	1345	63846	0	1339	1343	99 +	1	1343	39268	40610
UN33016	Rsa1.0.04513.1	835	17029	0	825	834	98 -	1	834	11459	12292
UN33017	Rsa1.0.01361.1	929	47226	0	888	929	95 -	6	927	16677	17604
UN33018	Rsa1.0.02017.1	609	35999	0	477	484	98 -	126	607	21255	21738
UN33019	Rsa1.0.05762.1	1063	12715	0	1017	1065	95 -	1	1063	4280	5329
UN33020	Rsa1.0.07441.1	481	9388	1.00E-109	223	228	97 -	1	227	6706	6932
UN33021	Rsa1.0.06630.1	589	10633	1.00E-161	288	288	100 -	1	288	476	763
UN33022	Rsa1.0.00145.1	1186	261008	0	1131	1213	93 -	1	1184	104305	105505
UN33023	Rsa1.0.06035.1	232	11874	2.00E-17	82	93	88 -	137	229	8609	8699
UN33024	Rsa1.0.03178.1	700	24798	7.00E-97	480	585	82 +	44	601	15172	15738
UN33025	Rsa1.0.04527.1	518	16958	0	514	519	99 -	1	516	14521	15039
UN33026	Rsa1.0.00139.1	661	357786	0	642	650	98 -	10	659	131951	132600
UN33027	Rsa1.0.02695.1	972	28605	0	951	971	97 +	2	969	14848	15812
UN33028	Rsa1.0.00208.1	667	108565	1.00E-134	252	255	98 +	4	258	100663	100917
UN33029	Rsa1.0.00613.1	719	209993	0	692	723	95 -	1	717	190954	191673
UN33030	Rsa1.0.03323.1	968	23751	1.00E-122	256	267	95 -	3	269	12306	12572
UN33031	Rsa1.0.01585.1	813	42806	0	806	812	99 +	1	812	39028	39839

UN33032	Rsa1.0_00040.1	880	324196	1.00E-113	211	212	99 +	1	212	88703	88914
UN33033	Rsa1.0_00113.1	851	131574	0	495	525	94 -	9	527	4687	5211
UN33034	Rsa1.0_00681.1	513	68779	2.00E-75	147	148	99 +	155	302	54522	54669
UN33035	Rsa1.0_00059.1	527	159650	0	510	528	96 -	1	527	150446	150966
UN33036	Rsa1.0_00351.1	787	413096	0	593	610	97 +	95	703	197578	198187
UN33037	Rsa1.0_00457.1	734	337301	0	402	406	99 +	332	734	323664	324068
UN33038	Rsa1.0_00081.1	792	143261	0	488	489	99 -	3	491	115639	116127
UN33039	Rsa1.0_00275.1	736	210104	2.00E-85	431	518	83 -	160	665	194797	195310
UN33040	Rsa1.0_00031.1	649	179862	0	529	533	99 +	2	534	37291	37823
UN33041	#	#	#	#	#	#	#	#	#	#	#
UN33042	Rsa1.0_00088.1	717	141341	0	453	461	98 -	258	717	119390	119847
UN33043	Rsa1.0_02062.1	746	35485	1.00E-162	289	289	100 -	357	645	8670	8958
UN33044	Rsa1.0_01484.1	1005	44806	0	790	830	95 +	200	1005	12676	13505
UN33045	Rsa1.0_04109.1	795	19000	0	791	799	98 +	2	795	7194	7992
UN33046	Rsa1.0_01384.1	700	46803	0	367	367	100 -	1	367	32107	32473
UN33047	Rsa1.0_02253.1	836	33356	0	571	574	99 -	262	835	324	897
UN33048	Rsa1.0_08178.1	794	7785	0	736	765	96 -	30	793	7030	7785
UN33049	Rsa1.0_02680.1	836	28721	0	470	482	97 +	24	504	3120	3601
UN33050	Rsa1.0_00686.1	861	68511	0	859	860	99 -	1	860	22653	23512
UN33051	Rsa1.0_02312.1	970	32675	0	516	536	96 -	258	790	11147	11682
UN33052	Rsa1.0_03912.1	864	135266	0	819	868	94 -	2	863	12000	12862
UN33053	Rsa1.0_00241.1	770	104000	8.00E-97	215	224	95 -	237	458	42746	42969
UN33054	Rsa1.0_01165.1	767	51898	0	691	772	89 +	2	747	8608	9373
UN33055	Rsa1.0_00216.1	1090	197563	0	360	360	100 -	1	360	56354	56713
UN33056	Rsa1.0_00615.1	1042	72235	1.00E-156	297	303	98 -	359	661	59863	60165
UN33057	Rsa1.0_00465.1	678	82138	1.00E-171	351	364	96 +	314	676	26673	27035
UN33058	Rsa1.0_00084.1	769	142338	1.00E-175	346	357	96 -	1	348	30993	31349
UN33059	Rsa1.0_04046.1	1121	19399	0	824	986	83 +	121	1105	15995	16978
UN33060	Rsa1.0_00538.1	1083	77149	0	1079	1084	99 +	1	1082	68599	69682
UN33061	Rsa1.0_01226.1	853	50316	1.00E-111	212	213	99 +	361	572	43986	44198
UN33062	Rsa1.0_01588.1	1173	42724	1.00E-148	282	287	98 -	84	370	5074	5360
UN33063	Rsa1.0_04376.1	849	17659	0	840	876	95 -	2	849	14176	15050
UN33064	Rsa1.0_00973.1	899	57913	0	414	423	97 +	430	852	23573	23995
UN33065	Rsa1.0_04923.1	899	15426	1.00E-122	229	231	99 +	639	869	7393	7623
UN33066	Rsa1.0_19047.1	726	1488	1.00E-103	196	198	98 -	468	665	1291	1488
UN33067	Rsa1.0_01510.1	653	44237	0	384	390	98 -	3	392	21586	21974
UN33068	Rsa1.0_01658.1	705	41414	1.00E-132	261	268	97 +	441	704	4899	5166
UN33069	Rsa1.0_01113.1	606	53616	5.00E-79	150	150	100 -	456	605	15910	16059
UN33070	Rsa1.0_05130.1	1198	14758	0	730	779	93 -	308	1083	13983	14758

UN33071	Rsa1.0_16060.1	796	2302	0	787	793	99 -	6	796	582	1374
UN33072	Rsa1.0_29811.1	850	771	0	410	417	98 +	2	418	6	422
UN33073	Rsa1.0_05511.1	730	13469	0	365	365	100 -	365	729	584	948
UN33074	Rsa1.0_00283.1	828	183797	0	775	829	93 +	3	828	178030	178843
UN33075	Rsa1.0_02657.1	1018	29000	0	977	994	98 -	1	994	24373	25366
UN33076	Rsa1.0_00190.1	1178	318240	1.00E-108	208	211	98 +	393	603	70170	70380
UN33077	Rsa1.0_00948.1	604	58620	1.00E-155	308	318	96 -	287	604	47697	48014
UN33078	Rsa1.0_00541.1	602	76863	0	592	608	97 +	1	602	4320	4926
UN33079	Rsa1.0_01394.1	770	46641	2.00E-91	171	171	100 -	2	172	6951	7121
UN33080	Rsa1.0_00079.1	802	606987	1.00E-144	312	329	94 +	298	626	84426	84751
UN33081	Rsa1.0_03448.1	841	22844	0	803	866	92 -	1	841	11208	12073
UN33082	Rsa1.0_00288.1	802	98659	0	771	813	94 -	7	802	40283	41094
UN33083	Rsa1.0_00167.1	984	116000	0	510	524	97 -	465	984	89949	90472
UN33084	Rsa1.0_00105.1	640	134138	0	637	639	99 +	1	639	7868	8506
UN33085	Rsa1.0_01510.1	531	44237	1.00E-148	293	302	97 +	138	439	19983	20284
UN33086	Rsa1.0_00157.1	782	245832	0	450	465	96 -	321	782	61254	61718
UN33087	Rsa1.0_00517.1	816	142790	1.00E-151	334	353	94 -	1	340	126290	126640
UN33088	Rsa1.0_00448.1	1246	84048	0	608	612	99 +	4	615	222	832
UN33089	Rsa1.0_00631.1	568	71277	1.00E-113	313	347	90 +	232	567	42671	43016
UN33090	Rsa1.0_00213.1	628	108167	0	374	377	99 -	49	425	73280	73656
UN33091	Rsa1.0_02794.1	1074	27820	0	601	605	99 +	1	605	5709	6313
UN33092	Rsa1.0_00089.1	724	406142	0	629	638	98 -	90	724	14208	14844
UN33093	Rsa1.0_00487.1	1125	80674	0	544	548	99 +	469	1014	30004	30551
UN33094	Rsa1.0_00183.1	1435	113277	0	501	520	96 -	2	518	96137	96648
UN33095	Rsa1.0_00384.1	551	89278	5.00E-42	275	336	81 +	29	359	87270	87584
UN33096	Rsa1.0_00413.1	844	86921	1.00E-153	284	287	98 -	1	287	67538	67824
UN33097	Rsa1.0_01318.1	609	48275	0	591	604	97 -	1	604	21157	21758
UN33098	Rsa1.0_00211.1	821	228189	3.00E-13	71	79	89 -	3	81	3807	3882
UN33099	Rsa1.0_02196.1	1052	34005	0	539	541	99 +	512	1052	2720	3259
UN33100	Rsa1.0_05942.1	607	12158	0	523	543	96 +	1	531	8954	9496
UN33101	Rsa1.0_00017.1	916	752458	0	892	916	97 +	1	915	530590	531497
UN33102	Rsa1.0_01903.1	1199	37451	0	728	733	99 +	42	774	9665	10397
UN33103	#	#	#	#	#	#	#	#	#	#	#
UN33104	Rsa1.0_05047.1	1051	15032	1.00E-163	363	386	94 +	676	1049	11264	11649
UN33105	Rsa1.0_02165.1	1136	34423	0	339	340	99 -	1	340	11169	11508
UN33106	Rsa1.0_07522.1	643	9204	0	639	643	99 +	1	642	4672	5313
UN33107	Rsa1.0_01644.1	950	41754	1.00E-123	238	241	98 +	678	917	40959	41199
UN33108	Rsa1.0_00088.1	710	141341	1.00E-107	208	210	99 -	1	210	9534	9742
UN33109	Rsa1.0_02865.1	856	27133	0	592	625	94 -	247	854	3951	4573

UN33110	Rsa1.0.02348.1	1013	32316	0	1003	1013	99 -	1	1012	23406	24418
UN33111	Rsa1.0.00150.1	1102	154416	0	578	604	95 +	463	1064	120240	120839
UN33112	Rsa1.0.00819.1	715	62918	0	634	661	95 -	60	714	23913	24572
UN33113	Rsa1.0.00279.1	854	100039	0	801	807	99 +	2	806	96617	97422
UN33114	Rsa1.0.00040.1	484	324196	1.00E-177	333	338	98 +	51	387	2037	2374
UN33115	Rsa1.0.00111.1	583	390088	0	343	348	98 -	1	347	156476	156823
UN33116	Rsa1.0.00134.1	460	390219	0	384	399	96 +	61	459	846	1233
UN33117	Rsa1.0.01292.1	976	175783	0	785	815	96 +	162	974	150428	151230
UN33118	Rsa1.0.01719.1	950	40388	2.00E-76	170	178	95 +	505	682	7137	7314
UN33119	Rsa1.0.03842.1	523	20503	0	491	529	92 -	1	522	12258	12778
UN33120	Rsa1.0.16897.1	515	1998	1.00E-137	261	265	98 -	4	268	600	860
UN33121	Rsa1.0.64972.1	790	353	1.00E-147	306	316	96 +	274	587	40	353
UN33122	Rsa1.0.01585.1	966	42806	0	789	797	98 -	1	797	9223	10019
UN33123	Rsa1.0.00451.1	1008	322533	0	607	618	98 +	273	886	263444	264061
UN33124	Rsa1.0.29512.1	912	780	1.00E-133	244	245	99 -	1	245	35	279
UN33125	Rsa1.0.00069.1	712	403561	0	709	711	99 +	1	711	96942	97651
UN33126	Rsa1.0.03026.1	707	25888	0	640	656	97 +	51	706	23447	24101
UN33127	Rsa1.0.05073.1	969	14925	0	466	473	98 +	385	857	9788	10259
UN33128	Rsa1.0.00744.1	611	66084	1.00E-113	240	249	96 +	359	605	36767	37013
UN33129	Rsa1.0.01331.1	904	47944	6.00E-98	182	182	100 -	205	386	8405	8586
UN33130	Rsa1.0.00404.1	1104	87635	0	440	471	93 +	360	816	485	951
UN33131	Rsa1.0.00334.1	501	94445	1.00E-113	229	235	97 +	1	234	57360	57594
UN33132	Rsa1.0.05114.1	731	14804	0	553	565	97 -	1	562	9010	9574
UN33133	Rsa1.0.00254.1	759	102600	0	427	427	100 -	1	427	73611	74037
UN33134	Rsa1.0.00622.1	411	71822	2.00E-80	155	156	99 -	254	409	60237	60392
UN33135	Rsa1.0.03451.1	1036	22828	0	595	607	98 -	430	1034	7637	8240
UN33136	Rsa1.0.03761.1	1201	20982	0	549	559	98 +	642	1200	10838	11396
UN33137	Rsa1.0.00451.1	834	322533	0	710	755	94 -	12	763	50954	51691
UN33138	Rsa1.0.00469.1	968	82084	1.00E-173	354	368	96 +	464	829	29744	30111
UN33139	Rsa1.0.04154.1	1097	18802	0	1082	1097	98 -	1	1097	13734	14830
UN33140	Rsa1.0.06294.1	812	11291	0	431	433	99 -	1	433	1145	1577
UN33141	Rsa1.0.00182.1	989	142305	0	345	347	99 +	526	872	95706	96052
UN33142	Rsa1.0.01178.1	819	51571	1.00E-172	361	380	95 -	354	721	25586	25965
UN33143	Rsa1.0.65111.1	337	352	1.00E-56	112	112	100 +	195	306	63	174
UN33144	Rsa1.0.07537.1	816	9176	0	449	470	95 +	348	816	3697	4164
UN33145	Rsa1.0.00246.1	873	103541	0	522	533	97 -	1	530	19677	20205
UN33146	Rsa1.0.02965.1	775	26402	0	644	658	97 -	115	772	10534	11188
UN33147	Rsa1.0.00413.1	1077	86921	0	820	821	99 -	1	821	19179	19999
UN33148	Rsa1.0.00896.1	709	60509	0	421	429	98 -	6	430	44045	44473

UN33149	Rsa1.0.07616.1	909	9016	0	387	391	98 -	519	909	1726	2116
UN33150	Rsa1.0.00198.1	1174	222963	0	626	641	97 +	2	642	91856	92493
UN33151	Rsa1.0.06813.1	821	10312	0	766	821	93 -	1	820	3309	4129
UN33152	Rsa1.0.01178.1	792	51571	0	449	472	95 +	69	539	48629	49095
UN33153	Rsa1.0.00144.1	903	120708	0	830	858	96 +	45	902	86936	87791
UN33154	Rsa1.0.03265.1	1137	24258	0	480	485	98 +	19	503	8009	8493
UN33155	Rsa1.0.00473.1	1391	212204	0	452	467	96 +	3	463	77595	78061
UN33156	Rsa1.0.64256.1	698	357	1.00E-143	275	281	97 -	416	696	68	348
UN33157	Rsa1.0.03366.1	741	23401	0	365	367	99 +	202	568	18160	18526
UN33158	Rsa1.0.33678.1	543	673	1.00E-97	187	189	98 +	1	189	29	217
UN33159	Rsa1.0.00187.1	825	393093	0	722	757	95 -	47	790	8494	9247
UN33160	Rsa1.0.00372.1	545	90418	0	412	416	99 -	3	418	79910	80323
UN33161	Rsa1.0.02196.1	942	34005	0	566	568	99 +	1	568	12826	13393
UN33162	Rsa1.0.00951.1	702	164588	0	355	362	98 +	1	362	156749	157108
UN33163	Rsa1.0.01286.1	710	49209	0	690	691	99 +	1	691	12402	13092
UN33164	Rsa1.0.05179.1	878	14576	0	837	881	95 -	1	876	2997	3864
UN33165	Rsa1.0.11380.1	459	5526	1.00E-105	234	246	95 -	1	246	129	373
UN33166	Rsa1.0.00236.1	874	104771	0	430	437	98 -	1	435	5845	6281
UN33167	Rsa1.0.01545.1	654	43599	1.00E-114	288	313	92 -	4	315	40157	40454
UN33168	Rsa1.0.05488.1	1042	13567	1.00E-130	251	256	98 +	268	523	8829	9084
UN33169	Rsa1.0.00631.1	782	71277	0	748	775	96 +	6	780	54511	55282
UN33170	Rsa1.0.04990.1	858	15216	0	846	858	98 +	1	856	9990	10847
UN33171	Rsa1.0.02007.1	728	36130	0	448	448	100 +	9	456	12341	12788
UN33172	Rsa1.0.00454.1	980	216970	0	931	1001	93 +	3	979	148709	149705
UN33173	Rsa1.0.00113.1	585	131574	0	582	584	99 +	3	585	100815	101398
UN33174	Rsa1.0.08961.1	1196	6750	0	823	887	92 -	1	887	1	878
UN33175	Rsa1.0.06416.1	788	11058	0	771	788	97 -	1	787	536	1314
UN33176	Rsa1.0.00179.1	714	393324	0	709	712	99 +	1	712	220699	221410
UN33177	Rsa1.0.00326.1	774	171955	0	387	390	99 -	374	763	51629	52017
UN33178	Rsa1.0.04235.1	1288	18373	0	1261	1293	97 +	1	1288	11442	12733
UN33179	Rsa1.0.00788.1	705	64237	1.00E-154	305	314	97 -	392	705	20902	21211
UN33180	Rsa1.0.00653.1	661	70029	1.00E-156	302	308	98 +	5	311	16118	16425
UN33181	Rsa1.0.00847.1	1078	62270	0	839	851	98 -	227	1077	43076	43926
UN33182	Rsa1.0.05111.1	458	14814	1.00E-145	281	287	97 -	172	456	1200	1486
UN33183	#	#	#	#	#	#	#	#	#	#	#
UN33184	Rsa1.0.00143.1	935	121313	0	321	321	100 +	1	321	12626	12946
UN33185	Rsa1.0.13743.1	572	4394	1.00E-94	197	204	96 -	213	416	1151	1354
UN33186	Rsa1.0.00589.1	1020	209965	0	522	527	99 +	1	523	39214	39740
UN33187	Rsa1.0.01639.1	1129	41850	0	374	376	99 +	1	376	20244	20619

UN33188	Rsa1.0.02672.1	961	28884	0	736	757	97 -	205	961	11869	12623
UN33189	Rsa1.0.00050.1	1056	237174	2.33E-156	357	386	92 -	2	375	85312	85696
UN33190	Rsa1.0.00537.1	1223	186980	0	1151	1227	93 -	6	1223	17753	18977
UN33191	Rsa1.0.00018.1	1140	410899	1.00E-174	342	352	97 -	1	352	10550	10898
UN33192	Rsa1.0.09275.1	1323	6506	0	648	660	98 -	451	1110	2442	3098
UN33193	Rsa1.0.08333.1	488	7528	1.00E-132	390	439	88 +	49	487	1435	1872
UN33194	Rsa1.0.02791.1	1227	27832	0	707	736	96 +	488	1220	20423	21158
UN33195	Rsa1.0.03593.1	1243	21869	0	837	837	100 -	1	837	82	918
UN33196	Rsa1.0.04514.1	438	17022	6.00E-47	144	160	90 +	151	310	2124	2283
UN33197	Rsa1.0.06476.1	1095	10946	0	565	578	97 -	516	1093	2752	3329
UN33198	Rsa1.0.00166.1	446	240912	1.00E-131	250	254	98 -	193	446	235720	235973
UN33199	Rsa1.0.03069.1	731	25615	0	439	476	92 +	160	635	8523	8973
UN33200	Rsa1.0.19954.1	1280	1360	1.00E-179	350	357	98 +	926	1280	541	894
UN33201	Rsa1.0.00878.1	1306	330303	0	1128	1177	95 +	2	1178	25409	26584
UN33202	Rsa1.0.03032.1	487	25836	0	479	482	99 -	6	487	7906	8387
UN33203	Rsa1.0.06390.1	513	11106	1.00E-121	277	296	93 +	29	324	8286	8581
UN33204	Rsa1.0.14747.1	1355	3107	0	933	948	98 -	58	1004	1270	2217
UN33205	Rsa1.0.07390.1	1152	9477	0	1072	1143	93 +	3	1124	3736	4855
UN33206	Rsa1.0.02544.1	566	30290	1.00E-155	302	309	97 -	4	312	6396	6703
UN33207	Rsa1.0.01192.1	646	51150	1.00E-159	321	330	97 +	295	621	35537	35863
UN33208	Rsa1.0.00195.1	591	251884	0	362	373	97 +	1	373	214105	214477
UN33209	Rsa1.0.00195.1	484	251884	0	467	482	96 -	5	483	221313	221792
UN33210	Rsa1.0.02070.1	1077	158516	4.00E-44	174	200	87 -	527	725	2423	2622
UN33211	Rsa1.0.05730.1	753	12798	2.00E-32	152	178	85 -	102	279	12287	12461
UN33212	Rsa1.0.07795.1	1010	8543	0	535	548	97 +	29	576	3276	3823
UN33213	Rsa1.0.02273.1	633	140964	0	624	634	98 +	2	633	8400	9033
UN33214	Rsa1.0.08349.1	782	7494	1.00E-107	200	201	99 -	3	203	6841	7041
UN33215	Rsa1.0.00151.1	453	119541	4.00E-42	155	177	87 -	242	410	54485	54660
UN33216	Rsa1.0.06933.1	486	10145	2.00E-78	212	229	92 +	1	222	4193	4420
UN33217	Rsa1.0.24446.1	1301	987	0	347	354	98 +	646	999	47	400
UN33218	Rsa1.0.00690.1	1564	140527	0	901	952	94 -	628	1562	8492	9432
UN33219	Rsa1.0.02488.1	720	30913	0	611	639	95 +	1	636	9437	10070
UN33220	Rsa1.0.02328.1	711	32494	1.00E-157	309	318	97 +	241	554	27445	27762
UN33221	Rsa1.0.00504.1	475	79334	1.00E-125	268	278	96 +	200	474	22252	22527
UN33222	Rsa1.0.01504.1	463	189978	1.00E-149	273	275	99 +	2	276	1775	2049
UN33223	Rsa1.0.00036.1	1053	176186	0	485	528	91 -	23	550	51189	51716
UN33224	Rsa1.0.04612.1	701	16647	1.00E-76	170	178	95 +	368	545	15528	15705
UN33225	Rsa1.0.01561.1	779	43227	4.00E-77	164	167	98 -	614	778	37856	38022
UN33226	Rsa1.0.32050.1	738	711	1.00E-138	262	266	98 +	137	402	1	266

UN33227	Rsa1.0.01271.1	634	49569	1.00E-156	301	308	97 +	313	620	28235	28542
UN33228	Rsa1.0.00550.1	809	210790	1.00E-156	297	302	98 +	95	393	175213	175514
UN33229	Rsa1.0.00040.1	795	324196	1.00E-128	299	315	94 -	475	785	40942	41253
UN33230	Rsa1.0.00131.1	320	432233	3.00E-60	130	134	97 -	3	136	282496	282629
UN33231	Rsa1.0.07205.1	768	9726	3.00E-93	279	310	90 -	392	693	7031	7335
UN33232	Rsa1.0.05211.1	876	14493	0	471	490	96 -	387	876	9835	10321
UN33233	Rsa1.0.00251.1	601	303968	0	556	605	91 -	3	601	299123	299709
UN33234	Rsa1.0.00122.1	1106	265937	0	373	389	95 +	367	746	241883	242271
UN33235	Rsa1.0.00407.1	806	191544	0	413	419	98 +	116	534	21027	21445
UN33236	Rsa1.0.02560.1	530	30091	1.00E-118	263	277	94 -	3	275	5624	5894
UN33237	Rsa1.0.01935.1	908	37152	0	485	506	95 -	384	886	4792	5290
UN33238	Rsa1.0.04165.1	950	18757	1.00E-172	323	327	98 -	624	950	18311	18636
UN33239	Rsa1.0.00550.1	1152	210790	0	565	625	90 +	2	614	36975	37596
UN33240	Rsa1.0.00159.1	957	431686	1.00E-130	352	390	90 +	246	631	333967	334356
UN33241	Rsa1.0.01410.1	651	46345	0	609	653	93 -	3	647	610	1255
UN33242	Rsa1.0.01221.1	754	50421	0	725	758	95 +	2	754	18398	19154
UN33243	Rsa1.0.00325.1	1108	95371	1.00E-166	338	349	96 -	760	1108	70069	70410
UN33244	Rsa1.0.17671.1	1070	1768	0	943	990	95 -	99	1070	784	1768
UN33245	Rsa1.0.03175.1	1078	24802	0	1027	1087	94 +	1	1078	15191	16267
UN33246	Rsa1.0.03876.1	496	20334	0	478	498	95 +	5	496	16788	17284
UN33247	#	#	#	#	#	#	#	#	#	#	#
UN33248	Rsa1.0.00457.1	661	337301	1.00E-106	275	304	90 +	379	660	179228	179530
UN33249	Rsa1.0.01124.1	1068	53295	0	1023	1080	94 -	2	1068	30846	31918
UN33250	Rsa1.0.00359.1	564	91256	1.00E-122	237	241	98 +	327	564	39993	40233
UN33251	Rsa1.0.01415.1	982	46263	0	472	477	98 -	506	982	25830	26305
UN33252	Rsa1.0.01835.1	718	38542	0	387	391	98 +	328	718	23455	23845
UN33253	Rsa1.0.01209.1	445	50668	1.00E-157	287	289	99 -	157	445	5671	5959
UN33254	Rsa1.0.00748.1	806	65983	0	407	409	99 -	399	806	10539	10947
UN33255	Rsa1.0.00008.1	1210	358124	0	1146	1208	94 +	2	1209	61755	62951
UN33256	Rsa1.0.01153.1	837	52264	0	807	842	95 -	1	837	10992	11833
UN33257	Rsa1.0.03743.1	769	21062	1.00E-132	261	268	97 -	345	612	20661	20928
UN33258	Rsa1.0.04691.1	743	16362	0	495	536	92 +	225	743	9409	9935
UN33259	Rsa1.0.25765.1	698	921	0	561	567	98 -	3	566	3	569
UN33260	Rsa1.0.64191.1	557	357	1.00E-170	320	325	98 -	234	555	33	357
UN33261	Rsa1.0.01960.1	1399	36766	1.00E-100	234	248	94 -	3	246	34918	35165
UN33262	Rsa1.0.03087.1	1399	25478	0	1114	1168	95 +	169	1335	4709	5876
UN33263	Rsa1.0.02943.1	1160	153598	0	1091	1170	93 +	2	1159	127694	128841
UN33264	Rsa1.0.00042.1	1277	171507	0	514	547	93 -	2	546	144822	145368
UN33265	Rsa1.0.05162.1	528	14631	1.00E-109	254	271	93 -	153	411	9830	10099

UN33266	Rsa1.0.03025.1	1185	25910	0	1173	1176	99 -	11	1185	17713	18888
UN33267	Rsa1.0.00251.1	908	303968	0	566	585	96 -	169	752	182820	183403
UN33268	Rsa1.0.21003.1	1235	1246	0	411	432	95 +	116	546	1	431
UN33269	Rsa1.0.00108.1	812	478491	0	788	818	96 -	4	812	302427	303233
UN33270	Rsa1.0.00876.1	768	61328	0	494	509	97 +	260	768	46381	46889
UN33271	Rsa1.0.02387.1	535	31890	9.00E-93	179	181	98 +	355	535	27000	27180
UN33272	Rsa1.0.00344.1	1120	191774	0	535	540	99 +	471	1010	111096	111635
UN33273	Rsa1.0.01210.1	964	50663	5.00E-68	187	209	89 +	6	212	5082	5271
UN33274	Rsa1.0.03102.1	1193	25395	0	356	356	100 +	838	1193	8033	8388
UN33275	Rsa1.0.01211.1	909	50646	0	520	539	96 +	330	865	49626	50163
UN33276	Rsa1.0.00085.1	934	142226	0	912	947	96 -	3	932	52807	53744
UN33277	Rsa1.0.00695.1	1099	68019	1.00E-133	278	289	96 -	2	288	54564	54852
UN33278	Rsa1.0.00454.1	1065	216970	1.00E-117	273	291	93 +	133	419	159894	160183
UN33279	Rsa1.0.06523.1	1042	10855	0	651	668	97 -	3	669	1479	2143
UN33280	Rsa1.0.03766.1	785	20970	0	693	738	93 -	45	781	18612	19332
UN33281	Rsa1.0.00238.1	905	193193	0	355	358	99 +	310	667	45025	45382
UN33282	Rsa1.0.00300.1	1069	97747	1.00E-158	491	561	87 +	87	627	51259	51807
UN33283	Rsa1.0.33400.1	632	679	1.00E-122	324	359	90 +	2	334	18	373
UN33284	Rsa1.0.01777.1	519	39511	2.00E-78	245	274	89 +	260	519	20986	21257
UN33285	Rsa1.0.00605.1	743	73199	7.00E-82	182	191	95 -	125	315	70449	70639
UN33286	Rsa1.0.00229.1	1170	105471	1.00E-114	275	294	93 -	882	1168	6379	6672
UN33287	Rsa1.0.01947.1	945	36977	0	649	672	96 -	276	944	21538	22204
UN33288	Rsa1.0.01113.1	1133	53616	0	1111	1133	98 +	1	1132	22402	23533
UN33289	Rsa1.0.06254.1	1276	11384	0	805	875	92 -	420	1275	1370	2230
UN33290	Rsa1.0.00241.1	1175	104000	0	424	444	95 +	727	1164	60543	60986
UN33291	#	#	#	#	#	#	#	#	#	#	#
UN33292	Rsa1.0.00363.1	1163	90968	0	588	608	96 -	1	608	63275	63876
UN33293	Rsa1.0.01510.1	1344	44237	0	1337	1343	99 +	1	1343	34196	35538
UN33294	Rsa1.0.03145.1	1247	25020	1.00E-107	341	386	88 +	864	1247	14786	15166
UN33295	Rsa1.0.05450.1	1117	13704	1.00E-118	219	220	99 +	263	482	8079	8298
UN33296	Rsa1.0.03883.1	765	20282	1.00E-161	415	456	91 -	317	765	8593	9029
UN33297	Rsa1.0.54139.1	1050	421	1.00E-145	275	278	98 +	264	541	1	277
UN33298	Rsa1.0.00010.1	1044	294827	1.00E-113	219	223	98 +	816	1038	221675	221897
UN33299	Rsa1.0.01199.1	1056	163576	0	461	473	97 +	584	1056	1540	2010
UN33300	Rsa1.0.00269.1	1249	341668	0	844	891	94 -	289	1167	282461	283338
UN33301	Rsa1.0.01687.1	927	40979	0	511	550	92 +	4	544	38020	38568
UN33302	Rsa1.0.02122.1	1223	34797	0	674	687	98 +	1	686	22566	23250
UN33303	Rsa1.0.00055.1	907	520193	0	424	433	97 -	304	736	393004	393436
UN33304	Rsa1.0.00141.1	1280	121494	1.00E-124	230	231	99 +	4	234	29593	29823

UN33344	Rsa1.0.00017.1	915	752458	0	876	915	95 +	1	914	80345	81258
UN33345	Rsa1.0.17937.1	473	1706	0	426	440	96 +	1	439	1266	1703
UN33346	Rsa1.0.09409.1	757	6390	1.00E-124	258	268	96 -	491	755	1174	1441
UN33347	Rsa1.0.01744.1	948	39910	0	880	937	93 +	1	917	35432	36353
UN33348	Rsa1.0.05947.1	1513	12142	0	1460	1518	96 +	2	1513	3768	5285
UN33349	Rsa1.0.00138.1	741	247040	2.00E-76	278	322	86 -	144	465	106229	106550
UN33350	Rsa1.0.14420.1	1394	3413	0	1347	1396	96 -	1	1393	597	1992
UN33351	Rsa1.0.01015.1	788	56752	0	656	686	95 -	34	719	4422	5107
UN33352	Rsa1.0.00816.1	707	403350	0	694	705	98 -	3	707	106848	107551
UN33353	Rsa1.0.00632.1	1552	183777	0	991	1066	92 +	1	1032	5407	6462
UN33354	Rsa1.0.07958.1	903	8174	0	705	797	88 +	1	793	2416	3211
UN33355	Rsa1.0.01007.1	1130	56933	1.00E-172	388	417	93 -	648	1048	30857	31269
UN33356	Rsa1.0.01559.1	1280	43262	0	795	844	94 -	239	1067	1328	2169
UN33357	Rsa1.0.00962.1	926	184909	0	546	587	93 -	364	922	49859	50445
UN33358	Rsa1.0.00279.1	803	100039	1.00E-109	222	229	96 +	320	548	37625	37853
UN33359	Rsa1.0.03011.1	979	26048	0	865	913	94 -	1	904	1543	2452
UN33360	Rsa1.0.00455.1	1458	224823	0	636	664	95 +	799	1456	147564	148218
UN33361	Rsa1.0.05146.1	1040	14678	0	969	1043	92 +	1	1035	3607	4646
UN33362	Rsa1.0.00341.1	1194	249309	0	955	1033	92 +	3	1017	3427	4450
UN33363	Rsa1.0.02867.1	1174	27121	0	463	491	94 -	679	1164	13901	14391
UN33364	Rsa1.0.05553.1	1213	13344	0	1166	1208	96 +	3	1209	905	2111
UN33365	#	#	#	#	#	#	#	#	#	#	#
UN33366	Rsa1.0.11632.1	1071	5454	1.00E-156	295	300	98 +	253	552	3107	3406
UN33367	Rsa1.0.17748.1	934	1750	0	867	913	94 +	23	933	107	1018
UN33368	Rsa1.0.16960.1	647	1973	1.00E-103	216	223	96 +	1	222	215	437
UN33369	Rsa1.0.02593.1	1502	29744	1.00E-160	328	342	95 +	328	669	4754	5095
UN33370	Rsa1.0.00178.1	557	114861	1.00E-133	270	278	97 -	1	276	7879	8154
UN33371	Rsa1.0.00566.1	1068	75325	0	642	677	94 +	1	674	73744	74415
UN33372	Rsa1.0.03921.1	1039	20080	6.00E-83	191	200	95 -	1	197	6528	6727
UN33373	Rsa1.0.00069.1	1201	403561	0	843	899	93 -	5	899	382221	383098
UN33374	Rsa1.0.01043.1	779	55893	0	760	779	97 +	1	778	22242	23019
UN33375	Rsa1.0.07398.1	907	9464	0	756	771	98 -	138	907	5238	6007
UN33376	Rsa1.0.00847.1	700	62270	3.00E-13	40	40	100 -	55	94	18867	18906
UN33377	Rsa1.0.01303.1	1339	48853	0	819	842	97 -	500	1338	35286	36127
UN33378	Rsa1.0.05890.1	1502	12317	1.00E-174	356	371	95 -	265	635	23	393
UN33379	Rsa1.0.03778.1	1345	20908	0	586	612	95 -	735	1343	18599	19210
UN33380	Rsa1.0.02662.1	208	28956	3.00E-90	200	209	95 +	1	204	295	503
UN33381	Rsa1.0.06010.1	876	11944	0	656	732	89 -	126	857	4864	5595
UN33382	Rsa1.0.11663.1	1084	5446	0	891	928	96 +	1	927	4519	5446

UN33383	Rsa1.0_11439.1	871	5507	2.00E-36	79	79	100 -	510	588	93	171
UN33384	Rsa1.0_00245.1	677	103569	0	433	435	99 +	238	672	59745	60178
UN33385	Rsa1.0_00646.1	727	70473	0	682	715	95 -	2	715	17994	18704
UN33386	#	#	#	#	#	#	#	#	#	#	#
UN33387	Rsa1.0_00216.1	1186	197563	0	857	857	100 +	330	1186	92515	93371
UN33388	Rsa1.0_00046.1	871	320315	0	793	821	96 +	2	822	146862	147672
UN33389	Rsa1.0_02489.1	1396	30897	0	1363	1398	97 -	2	1396	17234	18631
UN33390	Rsa1.0_02712.1	157	28474	5.00E-76	153	156	98 -	2	157	15589	15744
UN33391	Rsa1.0_07418.1	844	9425	0	513	529	96 -	102	630	6891	7416
UN33392	Rsa1.0_02406.1	784	145276	0	760	788	96 -	1	784	29689	30470
UN33393	Rsa1.0_01147.1	551	52391	0	523	572	91 -	2	551	8124	8695
UN33394	Rsa1.0_00863.1	632	254535	0	523	569	91 +	89	632	109797	110362
UN33395	Rsa1.0_00353.1	532	92242	0	506	520	97 -	11	530	78061	78580
UN33396	Rsa1.0_04637.1	1044	16551	0	354	357	99 -	688	1044	9524	9880
UN33397	Rsa1.0_00565.1	904	75420	1.00E-153	299	306	97 +	598	903	10918	11222
UN33398	Rsa1.0_01757.1	854	39771	0	638	668	95 -	108	770	28330	28991
UN33399	Rsa1.0_00188.1	504	112020	1.00E-115	217	219	99 +	285	503	72648	72866
UN33400	Rsa1.0_00404.1	1362	87635	0	660	665	99 +	94	758	26371	27035
UN33401	Rsa1.0_00224.1	398	327530	0	388	396	97 -	2	396	6202	6595
UN33402	Rsa1.0_03177.1	905	24799	0	531	545	97 -	2	541	17786	18330
UN33403	Rsa1.0_04574.1	876	16786	1.00E-137	326	350	93 -	440	777	9534	9881
UN33404	Rsa1.0_05105.1	592	14833	2.00E-87	304	351	86 +	266	591	6175	6519
UN33405	Rsa1.0_02052.1	1309	35555	0	481	512	93 -	815	1309	32924	33435
UN33406	Rsa1.0_00235.1	1413	154696	0	352	354	99 +	510	863	142486	142839
UN33407	Rsa1.0_01451.1	791	45459	0	478	497	96 +	298	791	40577	41071
UN33408	Rsa1.0_00278.1	749	231896	1.00E-175	347	357	97 -	397	749	69610	69966
UN33409	Rsa1.0_00096.1	1580	198773	1.00E-127	247	251	98 +	658	907	175673	175923
UN33410	Rsa1.0_02912.1	709	26834	0	675	695	97 -	15	709	9932	10625
UN33411	Rsa1.0_07790.1	967	8563	1.00E-141	285	294	96 +	674	967	1	293
UN33412	Rsa1.0_00153.1	1004	192931	1.00E-115	238	247	96 -	745	991	6527	6773
UN33413	Rsa1.0_01645.1	870	41748	0	608	646	94 +	234	868	37094	37730
UN33414	Rsa1.0_03040.1	804	25812	4.00E-99	184	184	100 -	251	434	18425	18608
UN33415	Rsa1.0_00019.1	605	301669	0	546	566	96 -	40	601	295490	296055
UN33416	Rsa1.0_02880.1	724	27045	0	479	480	99 -	238	717	7078	7557
UN33417	Rsa1.0_00108.1	1048	478491	1.00E-109	496	586	84 -	498	1048	442703	443258
UN33418	Rsa1.0_11498.1	642	5485	0	397	403	98 -	241	642	5084	5485
UN33419	Rsa1.0_00460.1	633	206387	7.00E-97	216	226	95 -	386	607	65467	65692
UN33420	Rsa1.0_00029.1	914	272992	1.00E-131	260	265	98 +	651	912	201760	202024
UN33421	Rsa1.0_03592.1	515	21878	4.00E-39	103	109	94 +	260	368	13788	13893

UN33422	Rsa1.0_70008.1	532	327	3.00E-80	170	176	96 -	143	318	152	327
UN33423	Rsa1.0_19863.1	759	1373	0	639	663	96 +	99	759	356	1018
UN33424	Rsa1.0_00086.1	809	439854	0	783	794	98 +	5	795	434246	435039
UN33425	Rsa1.0_03310.1	1135	23851	0	1072	1128	95 +	10	1135	21002	22128
UN33426	Rsa1.0_07363.1	981	9512	0	893	971	91 -	2	972	5108	6078
UN33427	Rsa1.0_00661.1	789	213041	1.00E-117	253	266	95 -	348	607	200599	200864
UN33428	Rsa1.0_01104.1	596	285480	1.00E-135	273	281	97 +	272	552	126367	126646
UN33429	Rsa1.0_10319.1	1139	5888	1.00E-142	289	299	96 -	811	1109	1983	2278
UN33430	Rsa1.0_07165.1	1317	9792	0	892	944	94 -	371	1314	3769	4712
UN33431	Rsa1.0_01325.1	816	48131	0	378	387	97 +	1	386	21395	21781
UN33432	Rsa1.0_01781.1	727	39410	1.00E-129	300	320	93 +	422	727	30909	31228
UN33433	Rsa1.0_00846.1	495	62342	0	433	435	99 -	61	495	45893	46327
UN33434	Rsa1.0_00375.1	1279	90207	0	803	813	98 -	305	1117	12556	13368
UN33435	Rsa1.0_00042.1	1031	171507	0	330	331	99 -	698	1028	153750	154079
UN33436	Rsa1.0_00035.1	861	176449	1.00E-101	218	228	95 -	98	325	59050	59277
UN33437	Rsa1.0_00422.1	349	86144	7.00E-74	252	285	88 +	73	341	34006	34288
UN33438	Rsa1.0_02340.1	678	32388	0	560	600	93 +	82	678	6041	6637
UN33439	Rsa1.0_02198.1	1462	33989	2.33E-156	291	299	97 +	1068	1366	33022	33319
UN33440	Rsa1.0_01064.1	1307	55295	0	1254	1309	95 -	1	1307	33928	35235
UN33441	#	#	#	#	#	#	#	#	#	#	#
UN33442	Rsa1.0_00688.1	715	68396	1.00E-141	399	439	90 -	280	715	15238	15664
UN33443	Rsa1.0_00312.1	822	96765	0	373	375	99 +	448	822	96362	96736
UN33444	Rsa1.0_00520.1	627	78226	1.00E-119	233	238	97 +	92	329	36848	37085
UN33445	Rsa1.0_01980.1	1277	36544	0	1233	1276	96 +	2	1275	21951	23224
UN33446	Rsa1.0_00846.1	781	62342	0	746	777	96 -	2	778	33361	34137
UN33447	Rsa1.0_00907.1	1116	60062	0	913	936	97 +	24	958	32667	33599
UN33448	Rsa1.0_00067.1	1276	415055	0	647	678	95 -	3	674	72663	73337
UN33449	Rsa1.0_24128.1	1349	1005	0	988	1005	98 +	240	1241	1	1005
UN33450	Rsa1.0_00088.1	987	141341	1.00E-125	251	256	98 -	185	439	63693	63947
UN33451	Rsa1.0_01011.1	518	56883	0	517	519	99 -	1	518	4821	5339
UN33452	Rsa1.0_00299.1	1120	97770	1.00E-148	307	319	96 -	455	772	15175	15493
UN33453	Rsa1.0_00212.1	675	108350	1.00E-149	276	279	98 +	397	675	73325	73603
UN33454	Rsa1.0_01899.1	803	37474	0	390	400	97 +	405	803	3382	3781
UN33455	Rsa1.0_00110.1	864	132719	1.00E-117	227	231	98 +	166	396	26188	26418
UN33456	Rsa1.0_01121.1	473	53407	1.00E-131	264	273	96 -	201	473	51242	51514
UN33457	Rsa1.0_01591.1	1125	42718	0	1102	1124	98 -	2	1125	26878	27998
UN33458	Rsa1.0_00086.1	794	439854	0	793	795	99 +	1	794	366534	367328
UN33459	Rsa1.0_71661.1	837	320	1.00E-173	317	320	99 +	212	531	1	320
UN33460	Rsa1.0_32504.1	1176	700	0	672	692	97 -	306	996	9	700

UN33461	Rsa1.0.04352.1	813	17779	0	798	811	98 +	3	813	4565	5375
UN33462	Rsa1.0.00394.1	1234	148426	0	758	806	94 -	2	789	116352	117154
UN33463	Rsa1.0.08198.1	534	7748	6.00E-69	142	145	97 -	14	158	3436	3580
UN33464	Rsa1.0.03177.1	943	24799	0	420	425	98 +	349	773	23844	24267
UN33465	Rsa1.0.00671.1	370	397884	1.00E-126	246	252	97 +	119	370	192204	192455
UN33466	Rsa1.0.00131.1	1437	432233	0	491	540	90 -	458	981	395234	395752
UN33467	Rsa1.0.00727.1	853	66724	0	823	874	94 -	1	837	43258	44130
UN33468	Rsa1.0.44490.1	1152	506	1.00E-176	396	422	93 -	41	461	1	422
UN33469	Rsa1.0.06136.1	446	11659	0	424	458	92 -	2	444	3173	3620
UN33470	Rsa1.0.00301.1	890	365315	1.00E-138	285	295	96 -	582	871	63715	64009
UN33471	Rsa1.0.00299.1	766	97770	0	730	766	95 -	3	760	43218	43979
UN33472	Rsa1.0.02859.1	754	162118	1.00E-125	242	247	97 -	11	257	15898	16144
UN33473	Rsa1.0.03235.1	700	24442	0	471	480	98 +	222	700	6018	6497
UN33474	Rsa1.0.00336.1	975	445051	6.00E-89	187	194	96 +	788	975	297905	298098
UN33475	Rsa1.0.01203.1	1187	50848	0	500	515	97 -	168	679	27749	28260
UN33476	Rsa1.0.00263.1	1035	224968	0	719	780	92 +	270	1035	177214	177974
UN33477	Rsa1.0.20377.1	864	1312	1.00E-113	253	266	95 +	3	268	90	352
UN33478	Rsa1.0.01975.1	622	36578	1.00E-152	348	368	94 -	262	622	34997	35361
UN33479	Rsa1.0.00383.1	1059	398431	1.00E-160	322	334	96 -	303	636	270655	270988
UN33480	Rsa1.0.02203.1	602	164532	0	584	592	98 -	2	593	163398	163989
UN33481	Rsa1.0.04124.1	1196	18945	1.00E-163	311	316	98 +	429	743	2275	2590
UN33482	Rsa1.0.20700.1	912	1278	0	384	391	98 -	281	671	1	391
UN33483	Rsa1.0.01260.1	1185	49750	0	751	785	95 +	412	1183	10822	11599
UN33484	Rsa1.0.01213.1	971	50616	0	928	972	95 -	4	971	30883	31853
UN33485	Rsa1.0.04068.1	810	19253	0	804	808	99 -	3	810	10527	11333
UN33486	Rsa1.0.00955.1	839	58358	1.00E-127	278	291	95 -	3	292	35870	36159
UN33487	Rsa1.0.01679.1	808	146876	0	416	424	98 -	2	424	123411	123832
UN33488	Rsa1.0.02315.1	1090	32618	8.00E-98	197	201	98 +	888	1088	17383	17581
UN33489	Rsa1.0.00214.1	571	107508	1.00E-168	422	454	92 -	121	567	75547	75993
UN33490	Rsa1.0.02854.1	275	27274	1.00E-142	269	273	98 -	2	274	22271	22539
UN33491	Rsa1.0.01957.1	564	36844	1.00E-112	268	285	94 +	2	285	28192	28473
UN33492	Rsa1.0.00062.1	990	299291	0	567	604	93 +	390	990	190736	191328
UN33493	Rsa1.0.01019.1	824	56636	0	796	828	96 -	2	824	23267	24091
UN33494	Rsa1.0.03073.1	824	25574	1.00E-89	207	216	95 -	3	216	12140	12354
UN33495	Rsa1.0.00552.1	732	206757	0	402	403	99 -	1	403	75228	75630
UN33496	Rsa1.0.04760.1	383	16105	1.00E-114	260	275	94 +	1	275	8768	9038
UN33497	Rsa1.0.00556.1	529	207212	1.00E-133	244	245	99 +	285	529	160591	160835
UN33498	Rsa1.0.00816.1	865	403350	0	488	522	93 +	3	512	361693	362210
UN33499	Rsa1.0.00996.1	1085	57222	0	622	634	98 +	452	1085	12865	13498

UN33500	Rsa1.0_00392.1	919	88523	0	408	430	94 -	2	428	17035	17463
UN33501	Rsa1.0_04639.1	846	16550	1.00E-101	516	614	84 +	238	844	4973	5582
UN33502	Rsa1.0_00217.1	1374	107079	0	426	437	97 +	939	1374	29409	29845
UN33503	Rsa1.0_03627.1	1079	21658	0	543	545	99 +	2	546	8753	9296
UN33504	Rsa1.0_01771.1	969	172709	1.00E-131	280	294	95 -	484	777	8310	8603
UN33505	Rsa1.0_00087.1	939	761073	0	742	758	97 +	181	937	597009	597763
UN33506	Rsa1.0_00333.1	383	94500	2.00E-31	96	104	92 -	3	106	78738	78838
UN33507	Rsa1.0_01159.1	1502	52115	0	1098	1152	95 -	315	1456	34628	35776
UN33508	Rsa1.0_05780.1	1175	12654	6.00E-40	140	162	86 -	272	417	9887	10048
UN33509	Rsa1.0_00577.1	730	174827	0	608	636	95 -	1	636	109705	110340
UN33510	Rsa1.0_00049.1	1096	167018	0	514	570	90 +	85	640	94356	94916
UN33511	Rsa1.0_08424.1	779	7375	0	477	499	95 -	278	776	2571	3063
UN33512	Rsa1.0_05937.1	836	12175	0	644	704	91 +	2	704	10071	10767
UN33513	Rsa1.0_03327.1	1230	23707	0	501	510	98 +	722	1230	8091	8600
UN33514	Rsa1.0_00814.1	713	63073	0	515	543	94 -	2	543	5864	6405
UN33515	Rsa1.0_00007.1	1196	239325	0	986	1014	97 +	196	1196	52943	53954
UN33516	Rsa1.0_06349.1	775	11199	1.00E-150	339	360	94 +	279	636	3723	4081
UN33517	Rsa1.0_00016.1	1221	831256	0	457	474	96 +	746	1216	202082	202554
UN33518	Rsa1.0_02248.1	653	33414	0	600	667	89 +	14	652	9472	10127
UN33519	Rsa1.0_31520.1	720	725	0	553	577	95 +	1	574	150	725
UN33520	Rsa1.0_02242.1	723	33512	0	691	724	95 +	2	722	4494	5199
UN33521	Rsa1.0_00804.1	1070	63726	0	368	372	98 +	334	704	42459	42830
UN33522	Rsa1.0_00110.1	919	132719	1.00E-136	268	275	97 -	645	919	132	406
UN33523	Rsa1.0_00566.1	900	75325	0	687	713	96 -	189	900	27236	27947
UN33524	Rsa1.0_07990.1	632	8119	1.00E-125	239	243	98 -	390	632	5780	6022
UN33525	Rsa1.0_02228.1	1183	33688	1.00E-140	286	297	96 -	261	557	29148	29444
UN33526	Rsa1.0_00252.1	1209	102760	0	1142	1188	96 -	17	1197	37956	39124
UN33527	Rsa1.0_02930.1	1620	26668	0	425	446	95 +	1178	1619	23089	23534
UN33528	Rsa1.0_00325.1	641	95371	0	635	642	98 +	3	640	63854	64495
UN33529	Rsa1.0_03093.1	1101	25445	0	1058	1101	96 +	1	1099	9863	10960
UN33530	Rsa1.0_04127.1	974	18932	0	970	973	99 -	2	974	12535	13507
UN33531	Rsa1.0_02811.1	966	27669	1.00E-126	281	297	94 -	671	966	16560	16856
UN33532	Rsa1.0_00819.1	601	62918	1.00E-100	343	391	87 -	1	384	34356	34726
UN33533	Rsa1.0_00029.1	1423	272992	0	1179	1235	95 -	197	1422	257525	258746
UN33534	Rsa1.0_00205.1	1185	193401	0	648	671	96 -	2	671	184532	185202
UN33535	Rsa1.0_04819.1	907	140505	1.00E-168	333	344	96 -	97	440	2924	3267
UN33536	Rsa1.0_06388.1	996	11110	1.00E-120	281	295	95 +	407	698	1305	1597
UN33537	Rsa1.0_03134.1	832	145023	0	368	379	97 +	432	808	4339	4716
UN33538	Rsa1.0_00172.1	771	115476	2.33E-156	341	367	92 -	302	668	89539	89905

UN33539	Rsa1.0.00643.1	926	70658	0	559	563	99 -	364	926	34797	35359
UN33540	Rsa1.0.02165.1	1237	34423	0	448	467	95 +	1	456	79	542
UN33541	Rsa1.0.01536.1	150	43747	2.00E-65	146	150	97 -	1	149	41347	41495
UN33542	Rsa1.0.09164.1	859	6595	0	788	806	97 +	52	857	1	804
UN33543	Rsa1.0.00796.1	1322	63997	0	1317	1321	99 -	3	1322	21080	22400
UN33544	Rsa1.0.00079.1	866	606987	0	485	493	98 -	374	866	599735	600227
UN33545	Rsa1.0.00816.1	928	403350	1.00E-104	217	224	96 -	2	224	399563	399786
UN33546	Rsa1.0.05793.1	1484	12611	1.00E-135	263	269	97 -	738	1006	11517	11785
UN33547	#	#	#	#	#	#	#	#	#	#	#
UN33548	Rsa1.0.03165.1	1101	24866	0	1068	1101	97 +	1	1101	22558	23654
UN33549	Rsa1.0.01372.1	363	47068	1.00E-155	341	361	94 +	1	361	22607	22961
UN33550	Rsa1.0.00703.1	864	67597	0	684	700	97 -	3	702	42103	42802
UN33551	Rsa1.0.00933.1	872	59164	1.00E-163	460	510	90 +	3	482	36153	36661
UN33552	Rsa1.0.00435.1	654	317579	1.00E-178	325	328	99 +	327	654	66876	67203
UN33553	Rsa1.0.00006.1	1153	396176	0	446	483	92 +	672	1153	312060	312525
UN33554	Rsa1.0.01551.1	746	43411	2.00E-32	148	172	86 +	372	543	5151	5321
UN33555	Rsa1.0.02229.1	928	33672	1.00E-104	211	217	97 +	352	568	8678	8894
UN33556	Rsa1.0.01155.1	571	52182	0	556	571	97 -	1	571	16129	16698
UN33557	Rsa1.0.00323.1	901	159650	0	856	904	94 -	3	900	56562	57456
UN33558	Rsa1.0.02625.1	1161	139104	1.00E-124	235	238	98 +	7	244	7321	7558
UN33559	Rsa1.0.02945.1	1272	26548	0	783	805	97 +	2	803	13162	13966
UN33560	Rsa1.0.17917.1	808	1710	0	577	584	98 +	229	808	814	1396
UN33561	Rsa1.0.27802.1	1339	839	1.00E-152	298	304	98 +	1038	1339	47	348
UN33562	Rsa1.0.00212.1	1224	108350	0	1198	1222	98 -	1	1222	100626	101843
UN33563	Rsa1.0.00081.1	891	143261	1.00E-122	235	239	98 -	649	887	956	1194
UN33564	Rsa1.0.02401.1	682	138425	0	560	617	90 +	5	611	7165	7777
UN33565	Rsa1.0.02148.1	872	34610	0	865	870	99 -	3	872	27703	28569
UN33566	Rsa1.0.04231.1	700	18380	0	398	406	98 +	294	698	15585	15990
UN33567	Rsa1.0.03820.1	857	20664	0	832	852	97 +	6	857	3416	4266
UN33568	Rsa1.0.08585.1	936	7157	4.00E-28	86	93	92 -	742	834	5434	5526
UN33569	Rsa1.0.00314.1	817	96472	0	469	499	93 -	319	817	14599	15092
UN33570	Rsa1.0.00025.1	624	277312	1.00E-176	388	408	95 +	210	609	14014	14419
UN33571	Rsa1.0.18125.1	590	1661	0	585	589	99 +	3	590	898	1486
UN33572	Rsa1.0.00935.1	988	59079	0	425	431	98 -	3	433	25066	25496
UN33573	Rsa1.0.01549.1	1203	43543	0	1129	1173	96 -	31	1203	35274	36439
UN33574	Rsa1.0.01149.1	1183	160459	0	1113	1182	94 -	3	1183	4222	5403
UN33575	Rsa1.0.00071.1	1287	345714	0	1262	1292	97 +	3	1286	123630	124920
UN33576	Rsa1.0.03140.1	1413	25081	0	674	693	97 -	723	1413	19479	20167
UN33577	Rsa1.0.02373.1	654	32048	0	363	363	100 +	292	654	7685	8047

UN33578	Rsa1.0.00008.1	811	358124	0	639	663	96 -	2	661	301010	301669
UN33579	Rsa1.0.03188.1	1081	24722	0	514	547	93 -	538	1081	11911	12446
UN33580	Rsa1.0.01504.1	436	189978	1.00E-110	268	289	92 +	7	286	149391	149676
UN33581	Rsa1.0.02020.1	748	173211	0	526	549	95 -	2	550	137400	137948
UN33582	Rsa1.0.02680.1	763	28721	0	757	767	98 -	2	763	24845	25610
UN33583	Rsa1.0.00015.1	725	561803	0	559	586	95 -	2	587	418408	418993
UN33584	Rsa1.0.12279.1	1123	5266	0	546	578	94 +	132	709	4710	5266
UN33585	Rsa1.0.05719.1	822	12836	1.00E-156	333	350	95 +	436	785	9506	9852
UN33586	Rsa1.0.16880.1	695	2004	0	510	544	93 +	3	543	459	987
UN33587	Rsa1.0.02648.1	380	29073	6.00E-87	229	245	93 +	141	380	20802	21044
UN33588	Rsa1.0.00618.1	779	72195	0	496	499	99 +	25	523	25939	26437
UN33589	Rsa1.0.00069.1	941	403561	0	601	640	93 +	141	768	46995	47634
UN33590	Rsa1.0.00391.1	1028	183853	0	976	1015	96 -	5	1019	488	1498
UN33591	Rsa1.0.03700.1	712	21299	0	702	709	99 -	2	710	1810	2517
UN33592	Rsa1.0.00374.1	851	165738	0	456	475	96 -	382	851	131818	132291
UN33593	Rsa1.0.01744.1	799	39910	0	520	546	95 -	210	738	35427	35972
UN33594	Rsa1.0.23549.1	688	1041	1.00E-116	237	245	96 -	1	245	332	576
UN33595	Rsa1.0.03359.1	437	23466	1.00E-109	209	212	98 -	132	343	4834	5045
UN33596	Rsa1.0.01776.1	736	39511	0	696	719	96 +	2	717	7636	8351
UN33597	Rsa1.0.02291.1	957	32959	0	701	723	96 -	247	957	12752	13474
UN33598	Rsa1.0.03627.1	1206	21658	0	579	597	96 +	3	593	8700	9296
UN33599	Rsa1.0.00175.1	952	166121	0	635	647	98 +	307	952	110050	110693
UN33600	Rsa1.0.00839.1	659	62533	0	367	375	97 -	286	659	21229	21602
UN33601	Rsa1.0.00149.1	1371	305196	1.00E-161	337	351	96 +	3	353	134565	134911
UN33602	Rsa1.0.01655.1	726	41508	1.00E-100	214	221	96 +	3	222	40509	40728
UN33603	Rsa1.0.00087.1	1026	761073	0	649	678	95 -	335	1000	321381	322058
UN33604	Rsa1.0.00031.1	617	179862	1.00E-98	183	183	100 +	1	183	83715	83897
UN33605	Rsa1.0.00573.1	1194	74821	0	494	504	98 +	1	501	31675	32177
UN33606	Rsa1.0.01171.1	1158	51752	0	1061	1081	98 -	77	1157	32448	33526
UN33607	Rsa1.0.01771.1	740	172709	1.00E-131	272	283	96 +	455	737	5834	6113
UN33608	Rsa1.0.01781.1	744	39410	1.00E-116	296	321	92 -	1	313	30909	31226
UN33609	Rsa1.0.19447.1	612	1430	1.00E-104	238	252	94 -	190	438	159	407
UN33610	Rsa1.0.01286.1	970	49209	1.00E-180	387	405	95 -	1	400	39922	40319
UN33611	Rsa1.0.01796.1	573	39154	0	559	573	97 -	1	573	13850	14420
UN33612	Rsa1.0.02141.1	1386	34677	0	538	558	96 -	827	1384	8942	9499
UN33613	Rsa1.0.00116.1	1210	365886	0	798	846	94 +	303	1148	207068	207912
UN33614	Rsa1.0.00737.1	674	66432	1.00E-165	294	294	100 +	2	295	51335	51628
UN33615	Rsa1.0.00172.1	1261	115476	0	1200	1232	97 -	29	1260	34420	35649
UN33616	Rsa1.0.02581.1	610	29896	0	561	605	92 -	5	609	28650	29247

UN33617	Rsa1.0_00522.1	611	78103	1.00E-124	273	287	95 -	1	286	25952	26234
UN33618	#	#	#	#	#	#	#	#	#	#	#
UN33619	Rsa1.0_17048.1	583	1941	0	568	583	97 -	1	583	216	797
UN33620	Rsa1.0_05975.1	573	12062	1.00E-132	261	267	97 +	64	328	3798	4064
UN33621	Rsa1.0_00435.1	1024	317579	1.00E-147	277	281	98 -	1	281	66819	67099
UN33622	Rsa1.0_00053.1	1273	263459	0	437	455	96 -	1	455	160252	160703
UN33623	Rsa1.0_00098.1	1421	349239	0	544	576	94 -	509	1081	232786	233360
UN33624	Rsa1.0_01668.1	1423	41299	0	745	780	95 +	649	1420	21281	22058
UN33625	Rsa1.0_06873.1	1286	10230	0	1285	1286	99 +	1	1286	8678	9963
UN33626	Rsa1.0_00088.1	880	141341	0	840	854	98 -	25	878	134849	135702
UN33627	Rsa1.0_00019.1	562	301669	0	405	424	95 -	152	562	29478	29901
UN33628	Rsa1.0_00725.1	1253	66757	1.00E-142	313	333	93 -	653	976	14849	15181
UN33629	Rsa1.0_00394.1	892	148426	0	722	725	99 -	3	725	147377	148101
UN33630	Rsa1.0_01078.1	1117	316910	0	648	688	94 +	432	1116	123844	124528
UN33631	Rsa1.0_04028.1	1314	19493	0	636	659	96 -	1	655	12346	13004
UN33632	Rsa1.0_01451.1	790	45459	0	787	790	99 +	1	790	29000	29789
UN33633	Rsa1.0_00825.1	1217	62855	1.00E-153	291	295	98 -	1	295	16123	16416
UN33634	Rsa1.0_02616.1	733	29542	1.00E-153	324	339	95 +	313	650	18330	18668
UN33635	Rsa1.0_00211.1	311	228189	1.00E-110	232	244	95 -	76	308	188950	189193
UN33636	Rsa1.0_01666.1	1286	173972	0	1282	1286	99 -	1	1285	8116	9401
UN33637	Rsa1.0_00482.1	1253	81162	0	893	918	97 +	3	914	70819	71736
UN33638	Rsa1.0_00028.1	814	293984	0	783	816	95 -	1	813	290227	291033
UN33639	Rsa1.0_00243.1	757	103651	1.00E-122	289	312	92 +	4	300	56192	56501
UN33640	Rsa1.0_03349.1	284	23534	1.00E-129	266	276	96 -	8	283	21578	21851
UN33641	Rsa1.0_04236.1	1392	18370	0	672	702	95 -	691	1392	14255	14950
UN33642	Rsa1.0_02642.1	1110	29181	0	652	685	95 -	424	1108	24637	25319
UN33643	Rsa1.0_03521.1	963	396204	0	556	566	98 -	1	566	133159	133719
UN33644	Rsa1.0_02588.1	1028	29840	0	894	930	96 +	6	927	19022	19950
UN33645	Rsa1.0_00131.1	1439	432233	0	1432	1435	99 -	4	1438	283142	284576
UN33646	Rsa1.0_01191.1	1104	51235	2.00E-55	170	187	90 +	795	980	8904	9089
UN33647	Rsa1.0_00016.1	145	831256	1.00E-42	122	133	91 -	6	134	58051	58183
UN33648	Rsa1.0_01094.1	1234	167285	0	629	696	90 -	384	1070	31403	32074
UN33649	Rsa1.0_00981.1	1009	57700	0	945	1011	93 +	15	1008	4840	5845
UN33650	Rsa1.0_00139.1	1338	357786	0	417	425	98 +	3	427	24407	24826
UN33651	Rsa1.0_04440.1	582	17347	0	572	582	98 +	1	580	14896	15476
UN33652	Rsa1.0_25346.1	885	940	0	335	338	99 +	1	338	604	940
UN33653	Rsa1.0_00213.1	269	108167	8.00E-76	246	275	89 -	2	269	46568	46834
UN33654	Rsa1.0_01651.1	787	41586	0	627	656	95 -	33	684	19156	19808
UN33655	Rsa1.0_02917.1	705	159058	0	333	337	98 -	8	344	158258	158594

UN33656	Rsa1.0_00523.1	697	178770	1.00E-154	318	328	96 +	221	542	43184	43509
UN33657	Rsa1.0_00417.1	547	395068	1.00E-177	503	554	90 -	9	547	15538	16076
UN33658	Rsa1.0_00064.1	1265	240927	0	532	544	97 -	599	1137	25675	26218
UN33659	Rsa1.0_07316.1	1195	9562	2.00E-86	163	163	100 +	228	390	1	163
UN33660	Rsa1.0_00936.1	667	59078	1.00E-161	329	340	96 +	2	340	58541	58874
UN33661	Rsa1.0_00668.1	903	69421	0	677	712	95 -	191	890	33883	34580
UN33662	Rsa1.0_00122.1	652	265937	1.00E-166	420	454	92 +	210	651	257160	257611
UN33663	Rsa1.0_01611.1	958	42269	0	456	473	96 -	2	474	24381	24851
UN33664	Rsa1.0_00107.1	664	431659	1.00E-141	298	308	96 -	18	320	85958	86264
UN33665	Rsa1.0_01701.1	929	162121	0	428	445	96 -	231	672	143136	143577
UN33666	Rsa1.0_00491.1	1064	80219	1.00E-135	261	265	98 -	1	265	33681	33944
UN33667	Rsa1.0_02340.1	744	32388	0	623	665	93 -	85	742	6039	6701
UN33668	Rsa1.0_00726.1	783	66734	0	535	555	96 +	73	626	14039	14586
UN33669	Rsa1.0_02756.1	1236	28202	6.00E-28	134	156	85 -	1001	1154	3494	3644
UN33670	Rsa1.0_02035.1	1312	35776	0	759	766	99 -	1	764	19826	20590
UN33671	Rsa1.0_01260.1	796	49750	0	778	817	95 -	1	794	10792	11601
UN33672	Rsa1.0_04545.1	374	146799	1.00E-130	263	271	97 +	3	273	15262	15531
UN33673	Rsa1.0_02983.1	737	26268	2.00E-72	245	274	89 +	1	268	5371	5639
UN33674	Rsa1.0_09074.1	1112	6670	1.00E-152	389	420	92 +	41	455	826	1243
UN33675	Rsa1.0_00435.1	1120	317579	0	377	378	99 -	743	1120	195723	196100
UN33676	Rsa1.0_03483.1	653	22621	3.00E-74	145	146	99 -	444	589	15195	15340
UN33677	Rsa1.0_00022.1	498	200461	1.00E-126	242	245	98 -	1	245	47676	47919
UN33678	Rsa1.0_09537.1	1086	6302	0	806	824	97 +	1	822	1178	2001
UN33679	Rsa1.0_00082.1	698	237584	0	670	692	96 -	1	692	40687	41378
UN33680	Rsa1.0_02783.1	911	27927	0	878	909	96 -	5	910	2823	3722
UN33681	Rsa1.0_00272.1	766	447836	0	381	398	95 +	366	763	47998	48395
UN33682	Rsa1.0_01313.1	578	48387	0	428	440	97 -	86	525	7828	8258
UN33683	Rsa1.0_00060.1	796	502678	0	717	736	97 +	62	796	476605	477337
UN33684	Rsa1.0_01380.1	873	155003	1.00E-151	313	326	96 -	421	743	25333	25658
UN33685	Rsa1.0_00785.1	836	64356	0	673	721	93 +	41	754	26043	26746
UN33686	Rsa1.0_03033.1	756	25835	0	592	611	96 -	8	615	10245	10854
UN33687	Rsa1.0_00604.1	902	146282	0	877	899	97 -	2	900	119513	120410
UN33688	Rsa1.0_00131.1	821	432233	1.00E-125	410	462	88 +	336	790	90285	90725
UN33689	Rsa1.0_00001.1	876	363028	0	383	394	97 +	1	391	333959	334351
UN33690	Rsa1.0_00835.1	573	278058	1.00E-152	279	281	99 +	49	329	181462	181742
UN33691	Rsa1.0_02549.1	632	30220	7.00E-60	139	146	95 +	249	394	4944	5089
UN33692	Rsa1.0_00601.1	808	177045	0	786	801	98 +	1	800	106186	106982
UN33693	Rsa1.0_00059.1	540	159650	1.00E-156	320	330	96 -	1	329	67310	67636
UN33694	Rsa1.0_00044.1	923	271658	0	410	431	95 -	1	431	120064	120482

UN33695	Rsa1.0_04250.1	1116	18264	0	979	988	99 -	131	1116	15916	16903
UN33696	Rsa1.0_00781.1	1014	64480	1.00E-170	306	307	99 +	71	377	9547	9853
UN33697	Rsa1.0_05585.1	850	13266	1.00E-157	285	286	99 +	1	286	12364	12649
UN33698	Rsa1.0_02840.1	1054	27386	0	748	748	100 +	1	748	23828	24575
UN33699	Rsa1.0_03284.1	231	24069	7.00E-79	215	236	91 +	1	230	9022	9251
UN33700	Rsa1.0_00168.1	775	115870	1.00E-164	361	377	95 +	13	386	57813	58187
UN33701	Rsa1.0_00391.1	1159	183853	1.00E-149	322	340	94 +	384	723	51482	51821
UN33702	Rsa1.0_05487.1	511	13576	0	353	356	99 -	1	356	7293	7648
UN33703	Rsa1.0_01512.1	670	44234	0	655	670	97 +	1	669	14976	15644
UN33704	Rsa1.0_02070.1	454	158516	1.00E-119	232	234	99 +	1	234	7503	7734
UN33705	Rsa1.0_05924.1	894	12226	0	504	514	98 -	2	515	7912	8425
UN33706	Rsa1.0_02449.1	955	31292	0	452	483	93 -	241	723	21823	22298
UN33707	Rsa1.0_00120.1	694	277288	1.00E-135	361	401	90 -	1	398	75267	75656
UN33708	Rsa1.0_01087.1	1061	54508	0	707	717	98 +	2	711	23102	23818
UN33709	Rsa1.0_01959.1	732	36798	1.00E-162	305	309	98 -	1	309	36223	36530
UN33710	Rsa1.0_01027.1	831	56402	1.00E-135	267	274	97 +	289	562	21262	21532
UN33711	Rsa1.0_00816.1	830	403350	1.00E-139	278	286	97 +	2	287	154555	154838
UN33712	Rsa1.0_09791.1	1343	6147	0	1255	1300	96 +	37	1336	2817	4116
UN33713	Rsa1.0_00250.1	1053	273771	2.00E-21	118	140	84 -	465	597	229453	229592
UN33714	Rsa1.0_04533.1	773	16953	0	755	774	97 +	1	772	13423	14195
UN33715	Rsa1.0_01362.1	1180	47217	0	1132	1172	96 -	10	1180	38030	39185
UN33716	Rsa1.0_00018.1	540	410899	2.00E-32	109	121	90 -	171	287	365540	365660
UN33717	Rsa1.0_00703.1	581	67597	1.00E-159	345	362	95 +	2	361	22299	22657
UN33718	Rsa1.0_00303.1	1205	97468	0	647	698	92 -	466	1163	58805	59499
UN33719	Rsa1.0_51330.1	1047	443	2.00E-83	179	186	96 +	3	188	157	342
UN33720	Rsa1.0_04989.1	888	15217	0	565	581	97 -	44	624	8523	9100
UN33721	Rsa1.0_05200.1	920	14522	0	915	921	99 -	1	920	5497	6416
UN33722	Rsa1.0_00218.1	1050	201480	1.00E-161	301	305	98 +	1	305	126709	127013
UN33723	Rsa1.0_08048.1	893	137630	0	745	765	97 +	125	889	130361	131123
UN33724	Rsa1.0_16680.1	835	2067	0	460	488	94 +	1	487	1498	1985
UN33725	Rsa1.0_00030.1	922	250988	0	336	339	99 +	325	663	187351	187689
UN33726	Rsa1.0_00002.1	773	601661	0	752	769	97 +	3	771	86219	86986
UN33727	Rsa1.0_04602.1	772	16684	1.00E-161	321	332	96 -	105	436	12763	13094
UN33728	Rsa1.0_72939.1	953	314	1.00E-176	314	314	100 +	210	523	1	314
UN33729	Rsa1.0_47592.1	1435	475	0	473	475	99 -	536	1010	1	475
UN33730	Rsa1.0_02451.1	748	31283	1.00E-175	326	331	98 +	329	659	29307	29637
UN33731	Rsa1.0_00201.1	1490	232851	0	1422	1506	94 +	5	1489	141711	143207
UN33732	Rsa1.0_08634.1	668	7101	0	657	667	98 +	1	667	4905	5571
UN33733	Rsa1.0_05565.1	1123	13319	0	606	607	99 -	513	1118	4429	5035

UN33734	Rsa1.0.01121.1	899	53407	1.00E-164	352	369	95 -	530	898	22939	23305
UN33735	Rsa1.0.00027.1	960	283362	0	800	844	94 +	5	842	272321	273146
UN33736	Rsa1.0.03169.1	686	24826	1.00E-153	325	340	95 +	1	340	19605	19940
UN33737	Rsa1.0.01014.1	1326	56762	0	618	653	94 +	11	658	32364	33010
UN33738	Rsa1.0.02295.1	597	149884	0	438	442	99 -	1	442	143860	144301
UN33739	Rsa1.0.16376.1	457	2172	1.00E-137	257	260	98 -	52	311	1105	1364
UN33740	Rsa1.0.00020.1	859	283099	1.00E-170	355	369	96 +	4	368	102922	103289
UN33741	Rsa1.0.00692.1	760	68151	0	454	458	99 +	303	760	63312	63767
UN33742	Rsa1.0.27828.1	1197	838	1.00E-144	262	263	99 +	1	263	429	691
UN33743	Rsa1.0.00080.1	1095	190437	1.00E-142	259	260	99 +	23	282	52121	52380
UN33744	Rsa1.0.21386.1	639	1209	0	632	635	99 +	3	637	138	772
UN33745	Rsa1.0.08253.1	677	7653	0	609	630	96 -	57	677	394	1021
UN33746	Rsa1.0.00115.1	828	131321	1.00E-161	294	296	99 +	533	828	123432	123727
UN33747	Rsa1.0.00221.1	802	106972	0	422	457	92 -	346	802	30583	31014
UN33748	Rsa1.0.00020.1	1281	283099	0	704	725	97 -	92	812	129849	130573
UN33749	Rsa1.0.00033.1	1452	515811	1.00E-122	263	274	95 -	2	275	25930	26200
UN33750	Rsa1.0.00448.1	1102	84048	0	1087	1101	98 -	1	1101	23710	24810
UN33751	Rsa1.0.00746.1	792	66044	1.00E-163	323	332	97 +	3	334	22738	23068
UN33752	Rsa1.0.00635.1	505	175826	1.00E-161	336	353	95 -	1	352	162423	162763
UN33753	Rsa1.0.00538.1	560	77149	4.00E-55	116	118	98 +	443	560	4624	4741
UN33754	#	#	#	#	#	#	#	#	#	#	#
UN33755	Rsa1.0.04039.1	1385	19467	0	883	901	98 +	483	1383	1443	2343
UN33756	Rsa1.0.01220.1	496	161775	0	482	499	96 +	1	496	157817	158315
UN33757	Rsa1.0.00104.1	386	368722	1.00E-105	294	320	91 +	3	314	60310	60625
UN33758	Rsa1.0.00722.1	1171	66840	0	604	635	95 +	346	977	42766	43396
UN33759	Rsa1.0.01684.1	733	41044	0	709	734	96 -	1	733	380	1112
UN33760	Rsa1.0.00290.1	798	225096	1.00E-68	412	505	81 +	131	635	173482	173986
UN33761	Rsa1.0.20261.1	791	1323	0	660	705	93 +	100	790	81	785
UN33762	Rsa1.0.00179.1	233	393324	1.00E-100	219	229	95 +	2	229	68073	68301
UN33763	Rsa1.0.04535.1	543	136600	1.00E-122	252	262	96 -	148	409	1447	1708
UN33764	Rsa1.0.03778.1	631	20908	1.00E-156	539	621	86 +	32	629	14917	15534
UN33765	Rsa1.0.12966.1	1018	5062	2.00E-82	168	172	97 -	163	334	287	458
UN33766	Rsa1.0.00964.1	678	316648	1.00E-153	299	307	97 -	374	676	155426	155732
UN33767	Rsa1.0.00112.1	723	132199	0	698	714	97 +	12	721	57114	57826
UN33768	Rsa1.0.03103.1	1302	25387	0	803	818	98 +	1	816	12759	13576
UN33769	Rsa1.0.00020.1	891	283099	1.00E-116	234	241	97 +	110	350	103083	103323
UN33770	Rsa1.0.03034.1	1123	157864	1.00E-158	394	428	92 +	145	567	136546	136967
UN33771	Rsa1.0.02426.1	1133	31564	0	1094	1155	94 -	3	1131	14040	15193
UN33772	Rsa1.0.00207.1	1203	248736	0	1010	1056	95 -	148	1196	12424	13475

UN33773	Rsa1.0_01803.1	1350	173846	0	1301	1353	96 -	1	1350	148169	149521
UN33774	Rsa1.0_00325.1	596	95371	0	580	597	97 +	1	595	49114	49700
UN33775	Rsa1.0_01196.1	1112	51097	1.00E-124	235	238	98 +	3	240	7528	7765
UN33776	Rsa1.0_00531.1	885	77387	1.00E-165	297	298	99 +	1	298	57887	58184
UN33777	Rsa1.0_01228.1	1124	50238	0	1039	1080	96 +	55	1124	5671	6750
UN33778	Rsa1.0_00120.1	1229	277288	1.00E-90	176	178	98 +	615	792	102321	102498
UN33779	Rsa1.0_00212.1	584	108350	0	569	584	97 -	1	584	12575	13157
UN33780	Rsa1.0_01428.1	1028	46071	0	876	910	96 -	1	904	42274	43174
UN33781	Rsa1.0_06924.1	1097	10158	1.00E-167	346	360	96 +	497	855	6353	6709
UN33782	Rsa1.0_00222.1	876	172263	0	678	689	98 -	186	874	148632	149318
UN33783	Rsa1.0_00308.1	1028	96915	0	1003	1036	96 +	2	1028	31940	32973
UN33784	Rsa1.0_02860.1	1214	27207	5.00E-59	267	317	84 -	50	366	1572	1888
UN33785	Rsa1.0_04831.1	549	15799	1.00E-125	234	236	99 -	1	236	7982	8217
UN33786	Rsa1.0_00032.1	1146	306326	0	1122	1159	96 +	1	1145	287070	288216
UN33787	Rsa1.0_35400.1	619	639	0	567	575	98 +	43	617	1	575
UN33788	Rsa1.0_00300.1	633	97747	0	613	631	97 +	1	631	74666	75291
UN33789	Rsa1.0_01297.1	1314	49029	0	1297	1315	98 -	1	1313	3708	5020
UN33790	Rsa1.0_00381.1	1239	89718	0	965	1025	94 -	246	1239	35659	36681
UN33791	Rsa1.0_00354.1	576	232005	1.00E-95	187	190	98 -	149	338	191948	192137
UN33792	Rsa1.0_03483.1	557	22621	1.00E-136	256	258	99 +	1	257	15718	15975
UN33793	Rsa1.0_00577.1	1393	174827	0	681	765	89 -	544	1281	134088	134828
UN33794	Rsa1.0_01408.1	1160	46383	0	680	692	98 -	468	1159	13253	13944
UN33795	Rsa1.0_00417.1	641	395068	1.00E-120	238	243	97 -	397	639	278498	278739
UN33796	Rsa1.0_00112.1	622	132199	0	609	622	97 +	3	620	9153	9774
UN33797	Rsa1.0_14046.1	926	3872	0	583	589	98 -	330	915	803	1391
UN33798	Rsa1.0_01336.1	1556	47853	0	807	848	95 +	1	830	40100	40947
UN33799	Rsa1.0_36377.1	1205	620	0	432	439	98 -	753	1191	1	439
UN33800	Rsa1.0_02821.1	971	27602	1.00E-71	173	182	95 +	3	183	11630	11810
UN33801	Rsa1.0_02661.1	584	28964	0	355	358	99 -	225	582	19958	20315
UN33802	Rsa1.0_00517.1	852	142790	0	383	389	98 +	1	389	76164	76548
UN33803	Rsa1.0_05050.1	832	15022	0	800	814	98 -	1	814	12534	13347
UN33804	Rsa1.0_01515.1	433	170864	1.00E-119	280	297	94 +	5	299	133681	133976
UN33805	Rsa1.0_00053.1	738	263459	0	720	738	97 -	1	736	69039	69776
UN33806	Rsa1.0_00088.1	621	141341	0	404	407	99 +	3	409	32908	33314
UN33807	Rsa1.0_00151.1	752	119541	0	677	719	94 -	1	706	107676	108389
UN33808	Rsa1.0_00618.1	1043	72195	1.00E-149	296	303	97 -	1	303	16030	16329
UN33809	Rsa1.0_00125.1	869	253043	0	477	503	94 +	24	508	185036	185537
UN33810	Rsa1.0_00067.1	922	415055	2.00E-33	130	148	87 -	290	437	318752	318896
UN33811	Rsa1.0_01196.1	1138	51097	1.00E-126	236	238	99 +	3	240	7528	7765

UN33812	Rsa1.0.00027.1	534	283362	0	329	331	99 -	1	331	176313	176643
UN33813	Rsa1.0.03898.1	887	20183	0	537	569	94 +	1	567	9880	10436
UN33814	Rsa1.0.03873.1	1055	20360	0	348	349	99 +	698	1046	4285	4633
UN33815	Rsa1.0.00625.1	1378	71672	0	416	429	96 -	948	1376	69835	70260
UN33816	Rsa1.0.01538.1	705	43733	0	353	362	97 +	343	704	2759	3120
UN33817	Rsa1.0.00123.1	861	325650	0	441	443	99 -	2	444	182368	182810
UN33818	Rsa1.0.00064.1	850	240927	0	535	544	98 -	79	619	25675	26218
UN33819	Rsa1.0.05130.1	818	14758	1.00E-123	353	397	88 -	7	403	2034	2421
UN33820	Rsa1.0.03188.1	934	24722	0	881	943	93 -	4	927	3734	4660
UN33821	Rsa1.0.01715.1	621	40489	0	605	623	97 +	1	618	28702	29324
UN33822	Rsa1.0.08048.1	762	137630	0	581	609	95 +	153	761	130380	130986
UN33823	Rsa1.0.07931.1	1408	8236	0	872	909	95 -	232	1140	7184	8086
UN33824	Rsa1.0.00165.1	1319	116466	1.00E-121	246	253	97 -	1	253	60604	60855
UN33825	Rsa1.0.04846.1	616	15739	1.00E-113	226	231	97 +	2	231	5590	5820
UN33826	Rsa1.0.00504.1	892	79334	1.00E-153	304	314	96 -	578	891	23676	23989
UN33827	Rsa1.0.02803.1	783	27715	0	700	763	91 +	10	757	17278	18040
UN33828	Rsa1.0.01488.1	823	44766	0	786	802	98 +	1	800	34268	35064
UN33829	Rsa1.0.04867.1	728	15670	0	548	564	97 +	164	724	6708	7264
UN33830	Rsa1.0.02836.1	524	27481	1.00E-147	298	308	96 -	7	314	11729	12035
UN33831	Rsa1.0.01184.1	544	51452	0	349	349	100 +	195	543	16797	17145
UN33832	Rsa1.0.00496.1	338	79834	1.00E-106	205	208	98 +	1	208	64129	64336
UN33833	Rsa1.0.09601.1	706	6259	7.00E-51	103	103	100 -	30	132	1	103
UN33834	Rsa1.0.05383.1	403	13962	1.00E-69	191	207	92 +	14	215	1494	1699
UN33835	Rsa1.0.00192.1	770	278200	1.00E-112	247	258	95 -	200	455	72268	72525
UN33836	Rsa1.0.00217.1	720	107079	1.00E-126	282	298	94 +	423	714	66923	67220
UN33837	Rsa1.0.04444.1	525	17320	4.00E-79	160	162	98 +	269	429	8969	9130
UN33838	Rsa1.0.02969.1	1332	26390	1.00E-101	212	220	96 -	54	273	13425	13644
UN33839	Rsa1.0.00204.1	808	109056	0	786	813	96 -	1	807	81887	82699
UN33840	Rsa1.0.00094.1	721	139042	0	659	688	95 +	38	717	94046	94732
UN33841	Rsa1.0.04859.1	611	15699	2.00E-56	149	160	93 +	248	407	5689	5847
UN33842	Rsa1.0.01270.1	836	49574	0	797	833	95 +	9	834	31791	32620
UN33843	Rsa1.0.03949.1	690	19899	0	653	671	97 +	22	690	5319	5987
UN33844	Rsa1.0.00944.1	1499	58733	1.00E-139	258	260	99 +	471	730	13012	13271
UN33845	Rsa1.0.03781.1	788	20891	7.00E-11	51	56	91 +	219	274	19877	19932
UN33846	Rsa1.0.01719.1	669	40388	0	530	557	95 -	1	550	21193	21749
UN33847	Rsa1.0.01371.1	651	47079	2.00E-94	176	176	100 -	1	176	16924	17099
UN33848	Rsa1.0.00269.1	1158	341668	0	780	835	93 +	1	808	270663	271494
UN33849	Rsa1.0.01591.1	647	42718	0	626	646	96 -	1	646	18344	18986
UN33850	Rsa1.0.25479.1	1155	934	0	359	367	97 -	676	1042	150	516

UN33851	Rsa1.0.03423.1	792	23064	5.00E-18	137	164	83 -	409	572	8934	9095
UN33852	Rsa1.0.00552.1	697	206757	0	335	339	98 -	93	431	28632	28970
UN33853	Rsa1.0.00214.1	934	107508	1.00E-154	306	316	96 +	1	316	28932	29247
UN33854	Rsa1.0.08923.1	895	6788	1.00E-103	253	271	93 +	73	343	5615	5883
UN33855	Rsa1.0.00438.1	1403	84861	1.00E-130	260	267	97 +	418	682	1058	1324
UN33856	Rsa1.0.02382.1	976	31969	0	939	988	95 +	1	975	21176	22159
UN33857	Rsa1.0.01543.1	920	43645	1.00E-108	240	249	96 -	3	246	15361	15608
UN33858	Rsa1.0.04753.1	1460	16124	0	711	750	94 -	4	739	11084	11831
UN33859	Rsa1.0.03362.1	1169	23453	0	687	707	97 -	3	707	11545	12245
UN33860	Rsa1.0.00342.1	451	93695	7.00E-96	247	265	93 -	2	264	46790	47051
UN33861	Rsa1.0.00107.1	714	431659	1.00E-141	273	279	97 +	280	558	149216	149494
UN33862	Rsa1.0.63464.1	1349	361	1.00E-163	295	296	99 -	533	828	1	296
UN33863	Rsa1.0.01229.1	1098	50235	0	582	618	94 -	486	1098	6570	7174
UN33864	Rsa1.0.00938.1	778	193891	0	549	594	92 +	174	761	173070	173655
UN33865	Rsa1.0.02840.1	1357	27386	0	937	964	97 -	393	1356	15354	16317
UN33866	Rsa1.0.00481.1	585	81316	0	574	578	99 +	1	578	14652	15229
UN33867	Rsa1.0.02956.1	1057	26483	0	568	604	94 +	134	737	7224	7816
UN33868	Rsa1.0.00321.1	657	95671	0	516	560	92 -	6	560	76401	76943
UN33869	Rsa1.0.00095.1	446	283384	2.33E-156	293	302	97 +	27	328	39230	39529
UN33870	Rsa1.0.11943.1	630	5365	8.00E-75	146	147	99 -	158	304	570	716
UN33871	Rsa1.0.00263.1	573	224968	1.00E-113	297	321	92 -	1	315	140880	141199
UN33872	Rsa1.0.32974.1	955	689	0	558	576	96 -	360	932	114	689
UN33873	Rsa1.0.04028.1	705	19493	2.00E-94	200	208	96 -	79	286	12064	12271
UN33874	Rsa1.0.00826.1	1018	166736	1.00E-137	340	368	92 -	1	356	156527	156889
UN33875	Rsa1.0.00764.1	819	65056	0	533	541	98 -	9	549	41245	41785
UN33876	Rsa1.0.01331.1	1307	47944	0	688	708	97 -	605	1307	13239	13946
UN33877	Rsa1.0.13865.1	1137	4184	0	412	419	98 -	103	521	1644	2061
UN33878	Rsa1.0.02471.1	607	31104	1.00E-108	249	262	95 -	52	312	3907	4165
UN33879	Rsa1.0.00005.1	745	353093	0	719	751	95 +	1	745	300330	301078
UN33880	Rsa1.0.27934.1	804	833	0	554	601	92 +	215	803	213	810
UN33881	Rsa1.0.00529.1	888	77487	0	492	517	95 +	376	888	52563	53079
UN33882	Rsa1.0.23319.1	753	1057	0	622	658	94 -	1	657	370	1017
UN33883	Rsa1.0.00681.1	1219	68779	0	414	428	96 -	1	428	37951	38374
UN33884	Rsa1.0.00451.1	935	322533	0	534	543	98 +	337	879	28561	29099
UN33885	Rsa1.0.00122.1	1215	265937	0	660	719	91 +	48	760	107077	107781
UN33886	Rsa1.0.04199.1	869	18501	0	750	790	94 -	61	847	4288	5076
UN33887	Rsa1.0.13860.1	600	4190	0	587	600	97 +	1	598	3026	3625
UN33888	Rsa1.0.00198.1	872	222963	0	583	621	93 +	14	630	91879	92493
UN33889	Rsa1.0.03125.1	656	147978	0	347	351	98 -	1	351	130250	130599

UN33890	Rsa1.0_00618.1	632	72195	1.00E-173	332	340	97 -	130	469	26098	26437
UN33891	Rsa1.0_01215.1	488	166813	1.00E-150	312	325	96 +	1	325	41947	42270
UN33892	Rsa1.0_01929.1	777	37191	1.00E-140	520	605	85 -	1	553	22135	22723
UN33893	Rsa1.0_02348.1	928	32316	0	593	611	97 +	1	610	4302	4910
UN33894	Rsa1.0_03636.1	867	21638	1.00E-155	296	302	98 -	1	302	17912	18213
UN33895	Rsa1.0_00976.1	1520	57809	0	652	679	96 +	330	1007	15917	16595
UN33896	#	#	#	#	#	#	#	#	#	#	#
UN33897	Rsa1.0_00409.1	1133	146788	0	530	565	93 -	8	563	106560	107119
UN33898	Rsa1.0_10022.1	995	6036	1.00E-105	205	207	99 +	790	995	580	786
UN33899	Rsa1.0_01590.1	483	42719	1.00E-137	310	329	94 -	33	358	37627	37948
UN33900	Rsa1.0_02398.1	1087	31766	0	1050	1088	96 -	4	1086	10283	11354
UN33901	Rsa1.0_01648.1	1373	41635	1.00E-142	271	276	98 +	355	630	31686	31961
UN33902	Rsa1.0_00002.1	1101	601661	0	849	883	96 -	1	882	145814	146693
UN33903	Rsa1.0_04399.1	249	17543	5.00E-34	151	174	86 +	5	177	7591	7763
UN33904	Rsa1.0_01846.1	1178	38367	1.00E-162	312	317	98 +	1	314	21254	21570
UN33905	Rsa1.0_00964.1	577	316648	0	546	578	94 +	3	576	167647	168213
UN33906	Rsa1.0_06948.1	1192	10125	0	672	729	92 -	1	722	1	723
UN33907	Rsa1.0_01089.1	1098	142191	1.00E-138	276	285	96 +	41	325	98672	98956
UN33908	Rsa1.0_00792.1	1226	64163	0	612	641	95 +	7	643	7636	8263
UN33909	Rsa1.0_01923.1	1529	37233	0	429	456	94 -	1	441	15156	15611
UN33910	Rsa1.0_00181.1	908	114269	0	663	721	91 -	189	906	46557	47268
UN33911	Rsa1.0_00616.1	921	195713	8.00E-76	218	241	90 -	683	917	153937	154177
UN33912	Rsa1.0_02248.1	489	33414	0	420	434	96 -	56	487	2243	2676
UN33913	Rsa1.0_05293.1	1415	14237	1.00E-168	376	397	94 +	1	389	335	727
UN33914	Rsa1.0_00137.1	1003	122457	1.00E-106	208	212	98 -	1	212	32961	33172
UN33915	Rsa1.0_01638.1	785	41857	0	759	792	95 -	1	783	2787	3576
UN33916	Rsa1.0_07612.1	560	9025	0	555	558	99 +	1	558	1418	1975
UN33917	Rsa1.0_00290.1	649	225096	0	634	647	97 +	1	647	202749	203395
UN33918	Rsa1.0_00172.1	589	115476	0	581	588	98 +	1	588	96985	97571
UN33919	Rsa1.0_00232.1	870	104936	1.00E-113	216	219	98 -	1	219	43947	44165
UN33920	Rsa1.0_03399.1	1171	23204	0	1146	1170	97 -	1	1170	19406	20559
UN33921	Rsa1.0_03041.1	780	25804	0	411	418	98 +	362	779	20160	20577
UN33922	Rsa1.0_00154.1	482	189461	0	450	469	95 -	2	468	122832	123294
UN33923	Rsa1.0_00045.1	845	328694	0	472	491	96 +	1	488	252584	253070
UN33924	Rsa1.0_01004.1	1136	56975	0	752	808	93 -	1	793	39470	40266
UN33925	Rsa1.0_00013.1	1323	292129	0	657	699	93 -	1	686	127784	128482
UN33926	Rsa1.0_00383.1	1103	398431	0	1052	1119	94 +	1	1101	176245	177363
UN33927	Rsa1.0_01226.1	802	50316	1.00E-92	176	177	99 +	166	342	43568	43744
UN33928	Rsa1.0_02213.1	1206	33824	0	485	525	92 -	6	516	12822	13341

UN33929	Rsa1.0_16658.1	748	2073	0	394	412	95 -	1	401	895	1304
UN33930	Rsa1.0_29339.1	506	785	0	495	515	96 -	1	504	178	692
UN33931	Rsa1.0_04734.1	1111	16184	0	1056	1111	95 +	1	1111	4053	5148
UN33932	Rsa1.0_00694.1	636	68074	0	595	639	93 +	2	636	60915	61544
UN33933	Rsa1.0_00706.1	605	291570	1.00E-124	258	268	96 +	332	599	57604	57868
UN33934	Rsa1.0_02244.1	847	33494	1.00E-148	291	299	97 +	553	847	15282	15580
UN33935	Rsa1.0_01445.1	472	45671	1.00E-139	259	262	98 -	3	264	27136	27397
UN33936	Rsa1.0_00112.1	994	132199	1.00E-179	343	351	97 -	643	993	114297	114647
UN33937	Rsa1.0_03068.1	821	25620	0	448	483	92 +	119	584	9344	9821
UN33938	Rsa1.0_04329.1	814	17870	1.00E-175	330	336	98 +	5	340	6618	6953
UN33939	Rsa1.0_02500.1	1497	30768	0	437	463	94 -	1	463	4226	4684
UN33940	Rsa1.0_00450.1	1237	139397	0	683	714	95 +	518	1231	124390	125085
UN33941	Rsa1.0_00726.1	966	66734	0	374	385	97 +	1	384	8094	8476
UN33942	Rsa1.0_04538.1	806	16940	1.00E-134	243	243	100 -	1	243	7173	7415
UN33943	Rsa1.0_03875.1	1159	20355	0	445	459	96 -	661	1117	14144	14602
UN33944	Rsa1.0_00214.1	1354	107508	0	674	711	94 +	642	1351	100665	101373
UN33945	Rsa1.0_00100.1	940	249232	0	884	920	96 -	28	938	25839	26752
UN33946	Rsa1.0_01344.1	650	142535	0	605	644	93 -	6	648	100722	101365
UN33947	Rsa1.0_05202.1	690	14518	0	366	370	98 +	3	371	188	557
UN33948	Rsa1.0_00237.1	925	235974	0	619	708	87 +	218	924	72539	73245
UN33949	Rsa1.0_01728.1	950	40239	0	911	941	96 -	1	941	3012	3950
UN33950	Rsa1.0_10582.1	607	5794	0	351	352	99 -	215	566	3974	4325
UN33951	Rsa1.0_00511.1	671	78616	0	500	510	98 -	1	510	62901	63408
UN33952	Rsa1.0_00364.1	472	90951	1.00E-154	312	321	97 -	155	470	6404	6723
UN33953	Rsa1.0_05939.1	1521	12170	0	1481	1492	99 +	31	1521	2893	4384
UN33954	Rsa1.0_09783.1	870	6152	0	867	869	99 -	1	868	701	1569
UN33955	Rsa1.0_00964.1	933	316648	1.00E-157	368	397	92 +	203	599	265154	265550
UN33956	Rsa1.0_00089.1	688	406142	0	431	449	95 -	3	450	132536	132979
UN33957	Rsa1.0_02382.1	1319	31969	0	1273	1317	96 +	1	1315	18178	19490
UN33958	Rsa1.0_30561.1	763	750	1.00E-143	269	272	98 +	1	270	479	750
UN33959	Rsa1.0_01482.1	1438	44855	9.00E-18	66	72	91 +	16	87	13688	13759
UN33960	Rsa1.0_04405.1	772	17508	0	348	350	99 +	6	355	16196	16544
UN33961	Rsa1.0_03900.1	1173	133221	0	403	404	99 -	1	404	12842	13245
UN33962	#	#	#	#	#	#	#	#	#	#	#
UN33963	Rsa1.0_00070.1	464	150321	0	447	462	96 -	3	455	111561	112022
UN33964	Rsa1.0_00019.1	690	301669	0	495	531	93 +	4	531	102187	102716
UN33965	Rsa1.0_00622.1	720	71822	0	699	726	96 -	1	720	24241	24963
UN33966	Rsa1.0_01090.1	871	54385	0	675	692	97 -	3	686	924	1615
UN33967	Rsa1.0_00600.1	1441	73395	0	762	773	98 +	40	812	8296	9068

UN33968	Rsa1.0_20083.1	1204	1343	0	402	409	98 +	599	1007	935	1343
UN33969	Rsa1.0_00358.1	1296	91293	0	589	607	97 -	689	1295	48058	48664
UN33970	Rsa1.0_15378.1	439	2647	1.00E-103	246	260	94 -	184	439	1573	1829
UN33971	Rsa1.0_02161.1	964	34459	0	712	796	89 +	175	962	25393	26162
UN33972	Rsa1.0_00010.1	927	294827	0	769	875	87 -	2	870	76502	77370
UN33973	Rsa1.0_04819.1	1306	140505	1.00E-129	248	251	98 -	1	250	139907	140157
UN33974	Rsa1.0_00485.1	540	80937	1.00E-121	259	271	95 -	165	435	27885	28152
UN33975	Rsa1.0_03885.1	1135	20256	0	989	1031	95 +	1	1022	17835	18861
UN33976	Rsa1.0_00608.1	859	172672	0	602	626	96 +	234	858	119644	120265
UN33977	Rsa1.0_02869.1	564	27109	0	512	560	91 -	3	562	15549	16084
UN33978	Rsa1.0_08078.1	760	7944	1.00E-122	274	289	94 -	1	285	2693	2981
UN33979	Rsa1.0_02950.1	732	26506	0	552	614	89 +	10	587	2569	3181
UN33980	Rsa1.0_14096.1	889	3814	1.00E-168	343	355	96 +	530	883	185	538
UN33981	Rsa1.0_00515.1	383	78417	1.00E-124	293	312	93 +	6	314	72164	72473
UN33982	Rsa1.0_00243.1	803	103651	1.00E-141	332	360	92 +	1	350	56148	56501
UN33983	Rsa1.0_00872.1	1184	61495	1.00E-134	261	267	97 -	747	1013	15630	15896
UN33984	Rsa1.0_00463.1	659	189177	1.00E-126	276	290	95 -	7	296	112650	112938
UN33985	Rsa1.0_01430.1	1021	46034	0	955	1020	93 +	3	995	20094	21101
UN33986	Rsa1.0_07882.1	725	8363	1.00E-165	348	366	95 +	356	721	7829	8189
UN33987	Rsa1.0_02244.1	731	33494	0	345	349	98 +	383	731	4766	5114
UN33988	Rsa1.0_01451.1	585	45459	0	390	395	98 -	2	396	42646	43040
UN33989	Rsa1.0_00066.1	1015	152418	0	877	907	96 +	109	1014	112997	113903
UN33990	Rsa1.0_12937.1	918	5070	0	888	933	95 +	1	918	1720	2649
UN33991	Rsa1.0_00921.1	707	59599	1.00E-156	337	355	94 -	6	360	9703	10046
UN33992	Rsa1.0_14663.1	823	3175	1.00E-55	259	306	84 -	24	327	1978	2282
UN33993	Rsa1.0_00312.1	961	96765	0	450	460	97 -	1	454	68009	68467
UN33994	Rsa1.0_02187.1	779	34113	0	534	555	96 -	1	555	26125	26679
UN33995	Rsa1.0_01032.1	1260	56189	1.00E-106	235	246	95 +	1	246	13888	14129
UN33996	Rsa1.0_16859.1	820	2010	1.00E-95	205	214	95 +	505	718	1	214
UN33997	Rsa1.0_00351.1	815	413096	1.00E-80	197	209	94 -	609	815	142575	142783
UN33998	Rsa1.0_36111.1	627	625	0	567	599	94 -	34	625	29	625
UN33999	Rsa1.0_49322.1	753	459	1.00E-159	364	382	95 +	8	383	81	459
UN34000	Rsa1.0_01068.1	1112	55208	1.00E-31	101	111	90 -	552	662	22088	22198
UN34001	Rsa1.0_08741.1	744	6977	2.00E-85	167	169	98 -	573	741	5716	5884
UN34002	Rsa1.0_00368.1	710	90669	4.00E-80	189	198	95 -	1	197	8923	9116
UN34003	Rsa1.0_00129.1	911	126831	0	731	767	95 +	3	746	29019	29785
UN34004	Rsa1.0_00002.1	1521	601661	0	1401	1495	93 -	23	1493	577406	578893
UN34005	Rsa1.0_01439.1	1377	45841	0	586	595	98 -	719	1312	10403	10995
UN34006	Rsa1.0_01731.1	1286	40208	1.00E-106	205	208	98 -	620	827	26410	26617

UN34007	Rsa1.0.00846.1	1084	62342	0	901	910	99 -	1	909	40524	41433
UN34008	Rsa1.0.32270.1	948	705	1.00E-101	220	230	95 -	710	939	9	236
UN34009	Rsa1.0.00048.1	916	167185	0	443	447	99 -	330	775	11201	11647
UN34010	Rsa1.0.01141.1	1206	52530	1.00E-178	355	367	96 -	776	1139	3589	3955
UN34011	Rsa1.0.00493.1	741	80007	0	529	538	98 -	3	538	62734	63269
UN34012	Rsa1.0.00280.1	842	99966	0	787	834	94 +	10	839	30053	30879
UN34013	Rsa1.0.07447.1	1042	9380	0	533	537	99 -	506	1042	7386	7922
UN34014	Rsa1.0.00202.1	513	185895	0	492	517	95 -	1	512	110699	111211
UN34015	Rsa1.0.00439.1	676	142776	0	593	606	97 -	69	674	46284	46881
UN34016	Rsa1.0.05687.1	153	12932	3.00E-52	135	144	93 -	9	152	3703	3845
UN34017	Rsa1.0.00028.1	777	293984	1.00E-153	411	454	90 +	1	448	137144	137576
UN34018	Rsa1.0.14314.1	1226	3539	0	741	742	99 +	1	742	1302	2042
UN34019	Rsa1.0.00156.1	775	118383	1.00E-119	271	289	93 +	23	311	42910	43188
UN34020	Rsa1.0.63300.1	1049	362	0	327	327	100 +	721	1047	1	327
UN34021	Rsa1.0.04493.1	652	17137	7.00E-60	127	130	97 +	330	459	11728	11857
UN34022	Rsa1.0.00376.1	712	90101	1.00E-147	289	296	97 +	1	295	1372	1667
UN34023	Rsa1.0.00010.1	747	294827	0	714	747	95 +	1	747	171351	172093
UN34024	Rsa1.0.00651.1	710	247766	0	533	540	98 -	1	540	244774	245312
UN34025	Rsa1.0.00341.1	367	249309	1.00E-121	273	287	95 +	1	279	76593	76878
UN34026	Rsa1.0.00175.1	956	166121	0	930	956	97 +	3	955	42046	42999
UN34027	Rsa1.0.00123.1	640	325650	1.00E-117	266	281	94 +	11	289	241787	242061
UN34028	Rsa1.0.05590.1	1062	13242	0	1061	1062	99 -	1	1062	3700	4761
UN34029	Rsa1.0.00152.1	688	257730	0	616	641	96 -	49	687	113266	113906
UN34030	Rsa1.0.00387.1	841	495407	1.00E-141	277	283	97 -	236	518	352997	353278
UN34031	Rsa1.0.00991.1	806	143101	3.00E-50	124	130	95 +	101	230	127415	127543
UN34032	Rsa1.0.01350.1	419	47503	1.00E-23	78	85	91 -	225	309	21622	21706
UN34033	Rsa1.0.01193.1	596	51147	0	590	593	99 +	1	593	36101	36691
UN34034	Rsa1.0.03486.1	753	22573	0	542	551	98 -	1	551	20721	21269
UN34035	Rsa1.0.00303.1	753	97468	0	599	626	95 -	1	626	9636	10260
UN34036	Rsa1.0.00008.1	670	358124	1.00E-86	172	175	98 +	496	670	226500	226674
UN34037	Rsa1.0.00215.1	597	201775	0	347	348	99 -	250	597	192292	192638
UN34038	Rsa1.0.01586.1	691	42804	0	359	370	97 -	1	370	4803	5172
UN34039	Rsa1.0.04591.1	739	16717	3.00E-96	231	247	93 +	73	319	2892	3137
UN34040	Rsa1.0.00373.1	704	90296	0	385	401	96 +	106	500	68688	69088
UN34041	Rsa1.0.01439.1	885	45841	1.00E-170	393	422	93 -	27	441	45266	45681
UN34042	Rsa1.0.00688.1	759	68396	3.00E-87	176	180	97 +	2	181	35058	35237
UN34043	Rsa1.0.00352.1	849	92266	0	836	850	98 +	3	845	22087	22936
UN34044	Rsa1.0.00487.1	535	80674	0	375	375	100 +	3	377	50080	50454
UN34045	Rsa1.0.00552.1	829	206757	0	475	477	99 -	353	829	180124	180600

UN34046	Rsa1.0.02574.1	838	29954	1.00E-55	486	611	79 +	137	747	1434	2044
UN34047	Rsa1.0.02252.1	183	33375	4.00E-58	162	178	91 -	1	178	8125	8302
UN34048	Rsa1.0.13618.1	785	4630	3.00E-99	349	404	86 -	377	780	1053	1456
UN34049	Rsa1.0.00653.1	1242	70029	1.00E-145	308	322	95 +	1	319	39751	40069
UN34050	Rsa1.0.01083.1	727	54617	0	466	472	98 +	130	601	8720	9188
UN34051	Rsa1.0.06732.1	748	10449	0	583	622	93 +	66	678	8112	8727
UN34052	Rsa1.0.00734.1	787	66508	0	706	742	95 +	2	727	1367	2104
UN34053	Rsa1.0.00388.1	584	88890	0	452	488	92 +	46	529	33256	33722
UN34054	Rsa1.0.05040.1	562	15055	0	517	559	92 +	4	561	3178	3729
UN34055	Rsa1.0.00083.1	834	442773	1.00E-106	219	224	97 -	6	227	392900	393123
UN34056	Rsa1.0.00336.1	1490	445051	9.00E-83	181	189	95 +	563	751	167523	167711
UN34057	Rsa1.0.03653.1	617	21564	0	615	623	98 +	2	617	11176	11798
UN34058	Rsa1.0.02054.1	744	35548	1.00E-138	340	366	92 +	1	358	34786	35146
UN34059	Rsa1.0.03037.1	977	25825	0	668	670	99 -	1	669	14421	15090
UN34060	Rsa1.0.16227.1	658	2237	0	552	559	98 -	3	560	1	557
UN34061	Rsa1.0.00644.1	857	136881	0	507	518	97 -	285	799	28046	28562
UN34062	Rsa1.0.00729.1	677	66690	0	656	674	97 -	3	676	19968	20639
UN34063	Rsa1.0.05519.1	687	13455	0	411	430	95 +	258	687	189	618
UN34064	Rsa1.0.00828.1	1165	62744	0	718	719	99 +	447	1165	51783	52501
UN34065	Rsa1.0.02678.1	787	135053	0	785	786	99 +	1	786	122280	123065
UN34066	Rsa1.0.00523.1	838	178770	0	429	437	98 -	3	438	161188	161623
UN34067	Rsa1.0.02054.1	908	35548	0	691	736	93 -	23	752	23273	24005
UN34068	Rsa1.0.00070.1	1285	150321	1.00E-133	270	278	97 +	711	988	5395	5671
UN34069	Rsa1.0.01935.1	1013	37152	0	516	521	99 +	310	830	5196	5715
UN34070	Rsa1.0.02402.1	946	31710	0	389	392	99 -	1	392	9117	9508
UN34071	Rsa1.0.00253.1	1057	231292	0	989	1051	94 +	1	1046	100825	101862
UN34072	Rsa1.0.00461.1	631	82509	0	376	376	100 -	1	376	71471	71846
UN34073	Rsa1.0.06348.1	1367	11199	0	1218	1248	97 -	119	1366	4424	5670
UN34074	Rsa1.0.00016.1	559	831256	1.00E-124	233	234	99 +	3	236	293125	293357
UN34075	Rsa1.0.00751.1	287	65759	2.00E-80	152	152	100 +	1	152	23329	23480
UN34076	Rsa1.0.02377.1	740	31994	0	479	496	96 +	5	500	14222	14715
UN34077	Rsa1.0.00938.1	812	193891	0	797	821	97 -	2	810	172988	173805
UN34078	Rsa1.0.00195.1	1229	251884	0	1150	1244	92 -	1	1226	42520	43734
UN34079	Rsa1.0.07810.1	1059	8503	1.00E-120	243	251	96 +	1	251	5278	5528
UN34080	Rsa1.0.06384.1	621	11116	0	350	352	99 +	5	356	10	361
UN34081	Rsa1.0.18513.1	746	1585	1.00E-163	391	429	91 +	5	433	786	1190
UN34082	Rsa1.0.00303.1	848	97468	1.00E-104	310	342	90 +	3	341	7956	8281
UN34083	Rsa1.0.03842.1	1381	20503	0	725	736	98 -	1	732	8299	9034
UN34084	Rsa1.0.00387.1	728	495407	1.00E-106	199	200	99 +	193	392	386830	387029

UN34085	Rsa1.0.03440.1	963	22928	0	913	963	94 -	1	963	16782	17738
UN34086	Rsa1.0.01083.1	608	54617	0	340	342	99 -	1	340	10462	10803
UN34087	Rsa1.0.00538.1	699	77149	1.00E-138	253	254	99 +	445	698	72086	72339
UN34088	Rsa1.0.00862.1	710	61715	0	697	700	99 -	11	710	28564	29263
UN34089	Rsa1.0.05911.1	488	12261	2.33E-156	290	299	96 -	37	335	7645	7943
UN34090	Rsa1.0.00729.1	172	66690	4.00E-55	156	168	92 -	1	166	16122	16287
UN34091	Rsa1.0.00020.1	665	283099	0	643	661	97 -	5	664	148852	149511
UN34092	Rsa1.0.00235.1	827	154696	0	567	572	99 -	224	795	66872	67443
UN34093	Rsa1.0.00414.1	1219	202190	0	1165	1226	95 +	8	1218	171233	172451
UN34094	Rsa1.0.01831.1	830	38628	0	736	758	97 -	1	739	23085	23842
UN34095	Rsa1.0.00157.1	666	245832	1.00E-172	390	414	94 -	1	412	54796	55197
UN34096	Rsa1.0.00236.1	625	104771	1.00E-168	334	344	97 -	245	587	55237	55580
UN34097	Rsa1.0.05205.1	814	14513	0	791	804	98 -	1	802	13151	13953
UN34098	Rsa1.0.00021.1	604	263655	2.00E-32	211	254	83 -	329	572	56845	57098
UN34099	Rsa1.0.03037.1	682	25825	0	677	680	99 -	1	680	17770	18449
UN34100	Rsa1.0.00208.1	945	108565	1.00E-122	264	278	94 +	381	658	34850	35127
UN34101	Rsa1.0.00340.1	1182	305782	0	542	543	99 -	2	544	287657	288199
UN34102	#	#	#	#	#	#	#	#	#	#	#
UN34103	Rsa1.0.00190.1	603	318240	0	453	453	100 +	1	453	199854	200306
UN34104	Rsa1.0.00023.1	1099	194764	0	471	493	95 -	606	1098	34505	34994
UN34105	Rsa1.0.00784.1	654	64359	2.00E-69	274	311	88 +	9	311	53590	53882
UN34106	Rsa1.0.00190.1	1056	318240	0	355	358	99 -	1	356	51256	51613
UN34107	Rsa1.0.00173.1	676	288743	1.00E-144	385	422	91 -	75	495	197613	198030
UN34108	Rsa1.0.06240.1	780	11407	1.00E-178	366	379	96 +	268	644	9755	10130
UN34109	Rsa1.0.00930.1	727	59224	1.00E-141	372	407	91 +	1	394	45060	45457
UN34110	Rsa1.0.00269.1	1205	341668	0	753	760	99 +	443	1202	308760	309518
UN34111	Rsa1.0.01232.1	702	155185	1.00E-144	294	305	96 -	401	702	137582	137886
UN34112	Rsa1.0.00087.1	685	761073	0	560	572	97 +	1	571	275830	276401
UN34113	Rsa1.0.03527.1	977	22278	0	942	983	95 +	1	975	18931	19910
UN34114	Rsa1.0.00085.1	482	142226	1.00E-127	423	484	87 +	1	481	8191	8637
UN34115	Rsa1.0.13406.1	1251	4858	1.00E-141	273	278	98 -	956	1231	4581	4858
UN34116	Rsa1.0.00276.1	1180	100160	0	484	494	97 +	686	1179	6980	7472
UN34117	Rsa1.0.01007.1	1204	56933	0	493	496	99 -	1	496	39533	40028
UN34118	Rsa1.0.02811.1	847	27669	0	338	340	99 +	1	340	3449	3788
UN34119	Rsa1.0.01795.1	478	39171	7.00E-90	214	228	93 -	246	472	26572	26799
UN34120	Rsa1.0.02194.1	537	34029	0	332	334	99 +	1	334	12448	12781
UN34121	Rsa1.0.00162.1	645	239935	0	420	446	94 -	29	474	106933	107374
UN34122	Rsa1.0.00149.1	836	305196	1.00E-157	362	383	94 +	1	378	106872	107252
UN34123	Rsa1.0.00154.1	574	189461	0	488	495	98 -	78	572	154536	155030

UN34124	Rsa1.0_08014.1	740	8078	0	603	605	99 +	12	616	1041	1644
UN34125	Rsa1.0_01118.1	842	53460	0	460	475	96 -	170	642	42921	43392
UN34126	Rsa1.0_01112.1	536	310601	6.00E-66	131	132	99 +	398	529	16441	16572
UN34127	Rsa1.0_01735.1	1108	40128	1.00E-173	735	868	84 +	73	930	29574	30428
UN34128	Rsa1.0_00867.1	443	61635	2.00E-77	228	250	91 +	25	266	27754	28001
UN34129	Rsa1.0_01432.1	917	45977	0	904	924	97 -	1	914	34709	35632
UN34130	Rsa1.0_13471.1	627	4802	0	402	419	95 -	1	418	414	829
UN34131	Rsa1.0_00566.1	1065	75325	0	681	712	95 +	282	990	30486	31197
UN34132	Rsa1.0_01169.1	389	51829	0	385	394	97 -	1	388	26702	27095
UN34133	Rsa1.0_00145.1	933	261008	0	928	934	99 -	1	932	237163	238096
UN34134	Rsa1.0_03960.1	788	19864	0	582	598	97 -	193	787	522	1118
UN34135	Rsa1.0_02683.1	731	28679	1.00E-127	358	397	90 -	337	731	14077	14450
UN34136	Rsa1.0_00052.1	575	162771	0	572	574	99 +	1	574	97043	97616
UN34137	Rsa1.0_20310.1	731	1318	1.00E-153	290	295	98 -	1	295	217	511
UN34138	Rsa1.0_00648.1	813	70351	0	791	804	98 -	8	810	415	1217
UN34139	Rsa1.0_00153.1	934	192931	1.00E-135	299	315	94 +	1	315	6463	6773
UN34140	Rsa1.0_00772.1	917	64856	0	590	595	99 -	323	916	41464	42058
UN34141	Rsa1.0_01156.1	696	52147	1.00E-157	327	341	95 -	296	629	34400	34740
UN34142	Rsa1.0_01960.1	683	36766	2.00E-88	253	283	89 -	3	285	776	1040
UN34143	Rsa1.0_00277.1	588	100132	0	567	602	94 +	2	586	12935	13533
UN34144	Rsa1.0_06683.1	662	10549	1.00E-177	353	363	97 +	2	362	98	460
UN34145	Rsa1.0_34719.1	852	652	1.00E-123	236	240	98 -	613	852	392	631
UN34146	Rsa1.0_00631.1	836	71277	0	570	575	99 +	260	834	18179	18753
UN34147	Rsa1.0_00090.1	860	273859	0	528	529	99 -	1	529	6701	7229
UN34148	Rsa1.0_00118.1	555	130637	1.00E-121	220	220	100 -	334	553	65270	65489
UN34149	Rsa1.0_00487.1	868	80674	0	359	360	99 +	3	362	59335	59694
UN34150	Rsa1.0_02712.1	1021	28474	0	962	995	96 +	28	1019	26276	27269
UN34151	Rsa1.0_00581.1	651	163575	0	586	658	89 -	5	649	48836	49493
UN34152	Rsa1.0_00556.1	894	207212	0	598	600	99 -	293	892	169205	169804
UN34153	Rsa1.0_00578.1	638	74581	0	630	637	98 -	2	638	37251	37887
UN34154	Rsa1.0_02328.1	855	32494	1.00E-165	312	317	98 +	258	572	27445	27761
UN34155	Rsa1.0_01506.1	716	44370	2.00E-97	323	368	87 +	2	359	31393	31747
UN34156	Rsa1.0_00033.1	617	515811	0	348	348	100 +	3	350	13443	13790
UN34157	Rsa1.0_04444.1	449	17320	1.00E-113	248	260	95 +	4	258	8629	8888
UN34158	Rsa1.0_01035.1	663	56019	1.00E-168	315	320	98 +	309	628	48721	49040
UN34159	Rsa1.0_00681.1	638	68779	0	619	644	96 -	1	637	14915	15556
UN34160	Rsa1.0_00221.1	959	106972	0	945	953	99 +	12	959	13564	14516
UN34161	Rsa1.0_01684.1	1191	41044	0	752	782	96 -	412	1190	343	1124
UN34162	Rsa1.0_01741.1	771	39976	0	704	765	92 +	3	767	35994	36756

UN34163	Rsa1.0.01519.1	547	44144	0	545	546	99 +	2	547	29979	30524
UN34164	Rsa1.0.36263.1	854	622	0	524	548	95 +	191	730	79	622
UN34165	Rsa1.0.05429.1	852	13781	0	832	850	97 +	1	850	3984	4833
UN34166	Rsa1.0.12465.1	859	5217	0	662	671	98 +	189	859	4539	5207
UN34167	Rsa1.0.00089.1	503	406142	0	480	504	95 +	1	502	352875	353377
UN34168	Rsa1.0.15126.1	712	2810	0	337	339	99 +	73	410	364	702
UN34169	Rsa1.0.00865.1	935	61686	0	831	868	95 -	1	861	3988	4851
UN34170	Rsa1.0.04344.1	945	17822	0	942	943	99 -	1	943	16753	17695
UN34171	Rsa1.0.02131.1	1183	34754	0	537	541	99 -	441	981	26651	27190
UN34172	Rsa1.0.03154.1	512	24968	0	509	512	99 -	1	510	22582	23093
UN34173	Rsa1.0.08457.1	882	7325	0	548	563	97 +	1	563	5498	6058
UN34174	Rsa1.0.04097.1	779	19090	0	385	387	99 -	1	387	14551	14937
UN34175	Rsa1.0.37856.1	955	595	1.00E-142	270	273	98 +	682	953	119	391
UN34176	Rsa1.0.01795.1	763	39171	1.00E-116	265	282	93 -	481	762	32325	32603
UN34177	Rsa1.0.00476.1	716	280966	1.00E-77	205	224	91 +	200	423	266192	266415
UN34178	Rsa1.0.10112.1	467	5992	0	460	464	99 +	1	463	5529	5992
UN34179	Rsa1.0.00222.1	905	172263	0	370	375	98 +	8	382	53034	53408
UN34180	Rsa1.0.11358.1	1067	5533	0	544	556	97 +	511	1066	3701	4253
UN34181	Rsa1.0.20910.1	802	1256	0	691	694	99 +	18	709	563	1256
UN34182	Rsa1.0.05449.1	850	13711	0	524	537	97 -	7	543	8399	8931
UN34183	Rsa1.0.00860.1	591	61789	1.00E-143	305	321	95 +	27	347	59709	60029
UN34184	Rsa1.0.03109.1	714	25336	3.00E-65	148	155	95 +	1	155	8100	8254
UN34185	Rsa1.0.03770.1	525	20952	1.00E-142	420	468	89 -	60	525	1474	1938
UN34186	Rsa1.0.01026.1	1062	171624	0	783	795	98 -	4	797	8775	9569
UN34187	Rsa1.0.01039.1	1130	55946	1.00E-137	274	283	96 +	603	879	1313	1595
UN34188	Rsa1.0.06021.1	898	11911	1.00E-159	287	288	99 +	3	290	6682	6969
UN34189	Rsa1.0.00243.1	740	103651	1.00E-120	219	219	100 -	491	709	68584	68802
UN34190	Rsa1.0.01004.1	416	56975	1.00E-148	284	290	97 +	3	292	32087	32376
UN34191	Rsa1.0.01654.1	527	41532	0	363	364	99 -	2	365	30737	31100
UN34192	Rsa1.0.06585.1	349	10715	1.00E-160	328	342	95 +	3	344	9258	9599
UN34193	#	#	#	#	#	#	#	#	#	#	#
UN34194	Rsa1.0.00084.1	710	142338	0	367	368	99 -	304	671	113436	113803
UN34195	Rsa1.0.01514.1	947	44222	0	887	944	93 +	1	943	8065	8998
UN34196	Rsa1.0.03410.1	861	23147	1.00E-173	345	353	97 -	1	353	7883	8232
UN34197	Rsa1.0.00560.1	699	75685	1.00E-137	250	251	99 -	155	405	70888	71138
UN34198	Rsa1.0.70920.1	557	323	1.00E-150	272	273	99 +	1	273	46	318
UN34199	Rsa1.0.10380.1	507	5866	0	476	477	99 +	29	505	4449	4925
UN34200	Rsa1.0.53419.1	777	427	0	400	402	99 +	1	402	26	427
UN34201	Rsa1.0.10113.1	1289	5992	0	1091	1151	94 +	137	1284	371	1521

UN34202	Rsa1.0.00139.1	571	357786	0	347	351	98 -	220	570	16417	16767
UN34203	Rsa1.0.01632.1	932	181224	0	411	428	96 -	214	637	172064	172487
UN34204	Rsa1.0.00134.1	817	390219	0	414	415	99 -	401	815	224120	224534
UN34205	Rsa1.0.05110.1	965	14814	0	525	533	98 -	428	960	9335	9867
UN34206	Rsa1.0.03166.1	1008	24863	0	969	1012	95 +	7	1008	2895	3901
UN34207	Rsa1.0.00994.1	1200	165189	0	429	430	99 -	770	1199	8798	9227
UN34208	Rsa1.0.00083.1	1088	442773	0	513	533	96 +	1	531	324045	324570
UN34209	Rsa1.0.16067.1	1427	2300	0	840	868	96 -	564	1425	309	1164
UN34210	Rsa1.0.01353.1	1101	47351	0	705	718	98 +	12	727	5396	6113
UN34211	Rsa1.0.00887.1	671	61048	0	579	630	91 -	53	660	44873	45502
UN34212	Rsa1.0.01704.1	1027	40711	0	340	341	99 -	2	342	18105	18445
UN34213	Rsa1.0.02279.1	1083	33069	0	780	801	97 +	251	1051	1	800
UN34214	Rsa1.0.00059.1	778	159650	0	428	441	97 +	11	451	113805	114239
UN34215	Rsa1.0.01996.1	1336	36327	0	1140	1149	99 +	189	1335	34554	35701
UN34216	Rsa1.0.00686.1	1192	68511	0	653	655	99 -	537	1191	45800	46454
UN34217	Rsa1.0.06188.1	1056	11531	0	575	580	99 +	357	935	197	776
UN34218	Rsa1.0.00284.1	501	323267	0	498	501	99 +	1	501	261544	262044
UN34219	Rsa1.0.07334.1	830	9547	0	702	705	99 -	124	828	8843	9547
UN34220	Rsa1.0.00978.1	478	57739	1.00E-158	310	317	97 -	1	313	25668	25984
UN34221	Rsa1.0.00180.1	608	114581	0	601	606	99 +	2	606	100317	100920
UN34222	Rsa1.0.00224.1	602	327530	1.00E-175	373	391	95 -	215	602	171352	171733
UN34223	Rsa1.0.00479.1	985	81377	0	945	969	97 +	19	983	64480	65447
UN34224	Rsa1.0.00016.1	1110	831256	0	886	894	99 -	1	894	46183	47074
UN34225	Rsa1.0.00594.1	665	73729	0	400	401	99 -	2	402	36889	37289
UN34226	Rsa1.0.11802.1	611	5404	0	605	610	99 -	2	611	2164	2773
UN34227	Rsa1.0.00036.1	879	176186	0	560	585	95 +	295	879	98981	99565
UN34228	Rsa1.0.01263.1	759	49703	1.00E-143	290	301	96 +	456	756	1553	1853
UN34229	Rsa1.0.01838.1	1089	38500	1.00E-144	280	287	97 -	22	308	25420	25706
UN34230	Rsa1.0.00447.1	881	84051	0	505	525	96 -	2	526	18892	19416
UN34231	Rsa1.0.02471.1	1415	31104	1.00E-140	291	303	96 -	6	300	19475	19777
UN34232	Rsa1.0.01428.1	1107	46071	1.00E-167	320	326	98 +	780	1105	26366	26689
UN34233	Rsa1.0.00382.1	377	251946	1.00E-134	277	289	95 -	1	283	60949	61237
UN34234	Rsa1.0.03544.1	636	22182	0	630	635	99 +	1	635	1585	2217
UN34235	Rsa1.0.03074.1	293	25568	4.00E-44	91	91	100 +	163	253	17791	17881
UN34236	Rsa1.0.01104.1	818	285480	1.00E-144	260	260	100 +	162	421	107190	107449
UN34237	Rsa1.0.01707.1	849	40686	0	846	848	99 -	3	848	13213	14060
UN34238	Rsa1.0.00056.1	848	332604	0	843	844	99 -	3	846	226578	227421
UN34239	Rsa1.0.03627.1	905	21658	0	895	904	99 -	1	904	13900	14800
UN34240	Rsa1.0.00198.1	961	222963	0	395	407	97 +	1	407	171220	171626

UN34241	Rsa1.0.00268.1	1353	101470	0	1165	1173	99 +	1	1173	6484	7656
UN34242	Rsa1.0.01017.1	985	56714	0	668	679	98 +	307	985	13718	14396
UN34243	Rsa1.0.01363.1	832	47195	1.00E-140	378	412	91 -	3	406	37133	37540
UN34244	Rsa1.0.00119.1	1352	467509	0	666	668	99 +	1	668	354197	354864
UN34245	Rsa1.0.00031.1	399	179862	1.00E-131	243	245	99 -	1	245	64897	65141
UN34246	Rsa1.0.01628.1	362	41932	1.00E-169	343	357	96 -	5	361	23191	23547
UN34247	Rsa1.0.00555.1	809	75920	1.00E-132	272	283	96 -	1	283	5540	5822
UN34248	Rsa1.0.12420.1	657	5230	1.00E-163	294	295	99 -	1	295	1647	1941
UN34249	Rsa1.0.07217.1	749	9703	0	746	749	99 -	1	748	52	800
UN34250	Rsa1.0.14323.1	572	3520	3.00E-34	90	95	94 +	1	95	3141	3235
UN34251	Rsa1.0.01110.1	304	195852	1.00E-142	292	302	96 +	2	303	41169	41466
UN34252	Rsa1.0.13663.1	834	4540	1.00E-117	281	302	93 -	36	337	2409	2699
UN34253	Rsa1.0.02340.1	692	32388	0	373	375	99 +	1	375	12222	12596
UN34254	Rsa1.0.05894.1	675	12306	0	657	673	97 +	1	671	1274	1945
UN34255	Rsa1.0.00127.1	1608	127446	0	1453	1541	94 +	3	1519	3528	5047
UN34256	Rsa1.0.02429.1	607	31527	1.00E-125	227	227	100 -	1	227	17242	17468
UN34257	Rsa1.0.01722.1	789	40320	1.00E-131	238	238	100 +	1	238	32951	33188
UN34258	Rsa1.0.01866.1	1032	37961	0	1027	1031	99 +	1	1030	973	2003
UN34259	Rsa1.0.05882.1	629	12340	5.00E-67	139	142	97 +	270	411	4896	5037
UN34260	Rsa1.0.03977.1	913	19758	0	349	350	99 -	3	352	3897	4246
UN34261	Rsa1.0.00541.1	771	76863	1.00E-148	269	270	99 +	465	734	74721	74990
UN34262	Rsa1.0.00149.1	1282	305196	0	505	542	93 +	353	883	45746	46280
UN34263	#	#	#	#	#	#	#	#	#	#	#
UN34264	Rsa1.0.36359.1	693	620	1.00E-100	204	209	97 +	485	691	1	209
UN34265	Rsa1.0.00853.1	442	62101	0	423	441	95 -	1	441	51174	51614
UN34266	Rsa1.0.00014.1	694	348985	0	679	694	97 +	1	694	194757	195448
UN34267	Rsa1.0.01856.1	1021	38181	0	1004	1034	97 -	1	1019	8026	9058
UN34268	Rsa1.0.04022.1	404	19534	1.00E-163	305	309	98 -	4	309	18148	18456
UN34269	Rsa1.0.00101.1	1347	267193	1.00E-93	175	175	100 -	1	175	71383	71557
UN34270	Rsa1.0.01586.1	833	42804	1.00E-121	317	349	90 -	166	514	21211	21559
UN34271	Rsa1.0.07210.1	837	9716	0	425	428	99 +	1	428	4958	5384
UN34272	Rsa1.0.02288.1	912	32984	0	362	364	99 -	1	364	21003	21366
UN34273	Rsa1.0.01753.1	1033	39794	1.00E-141	255	255	100 -	1	255	21205	21459
UN34274	Rsa1.0.00816.1	1066	403350	0	715	749	95 +	307	1055	1	744
UN34275	Rsa1.0.00099.1	842	159619	0	341	342	99 -	265	606	30593	30934
UN34276	Rsa1.0.04756.1	1148	16114	0	1142	1146	99 -	1	1146	2499	3644
UN34277	Rsa1.0.00100.1	1031	249232	0	370	380	97 +	651	1030	153466	153845
UN34278	Rsa1.0.01507.1	684	44361	0	403	421	95 +	1	421	17619	18034
UN34279	Rsa1.0.00070.1	1405	150321	0	602	632	95 +	1	629	122196	122818

UN34280	Rsa1.0.01549.1	677	43543	0	527	543	97 +	1	540	6249	6787
UN34281	Rsa1.0.00886.1	901	167350	0	598	609	98 +	1	600	155721	156329
UN34282	Rsa1.0.00017.1	688	752458	0	520	522	99 -	165	686	47031	47552
UN34283	Rsa1.0.00044.1	1249	271658	0	424	426	99 +	1	425	40447	40872
UN34284	Rsa1.0.00123.1	892	325650	1.00E-141	295	310	95 -	1	310	128148	128448
UN34285	Rsa1.0.01016.1	1481	181422	0	355	355	100 -	2	356	52330	52684
UN34286	Rsa1.0.01324.1	965	48131	0	953	964	98 -	2	965	26684	27646
UN34287	Rsa1.0.10319.1	1025	5888	1.00E-175	312	312	100 +	1	312	1967	2278
UN34288	Rsa1.0.13419.1	593	4847	0	458	478	95 +	1	462	184	661
UN34289	Rsa1.0.18517.1	506	1584	1.00E-121	230	232	99 -	3	234	744	974
UN34290	Rsa1.0.04446.1	1082	17317	0	391	398	98 +	83	480	1	398
UN34291	Rsa1.0.01452.1	986	45459	0	425	425	100 +	2	426	20487	20911
UN34292	Rsa1.0.24774.1	437	968	0	432	448	96 +	3	435	444	891
UN34293	Rsa1.0.22398.1	879	1124	0	873	878	99 -	2	879	100	973
UN34294	Rsa1.0.00512.1	682	200277	1.00E-116	260	276	94 +	407	682	24322	24597
UN34295	Rsa1.0.01215.1	572	166813	1.00E-156	302	308	98 +	140	446	160029	160336
UN34296	Rsa1.0.00078.1	1555	175053	0	1188	1189	99 -	229	1417	27466	28654
UN34297	Rsa1.0.00038.1	825	314568	0	784	785	99 -	1	785	57155	57939
UN34298	Rsa1.0.02453.1	575	31271	0	455	477	95 -	1	474	16094	16564
UN34299	Rsa1.0.01452.1	822	45459	0	408	422	96 -	399	820	17362	17782
UN34300	Rsa1.0.00151.1	877	119541	1.00E-156	282	283	99 +	2	284	109653	109935
UN34301	Rsa1.0.03733.1	552	21108	1.00E-141	273	279	97 +	273	551	3885	4163
UN34302	Rsa1.0.13716.1	1019	4433	0	1015	1017	99 -	2	1018	1242	2258
UN34303	Rsa1.0.32646.1	1167	697	0	592	638	92 -	532	1166	65	697
UN34304	Rsa1.0.00546.1	1048	76523	6.00E-52	270	325	83 -	589	904	42186	42504
UN34305	Rsa1.0.00623.1	949	207630	0	346	349	99 +	1	349	150114	150462
UN34306	Rsa1.0.40203.1	600	559	0	353	356	99 +	38	393	1	356
UN34307	Rsa1.0.00163.1	348	116847	6.00E-68	161	171	94 +	177	347	76514	76684
UN34308	Rsa1.0.00965.1	1173	58139	1.00E-111	238	249	95 -	392	640	22517	22765
UN34309	Rsa1.0.01722.1	1281	40320	0	1271	1279	99 -	3	1280	32575	33853
UN34310	Rsa1.0.01825.1	772	38725	1.00E-114	219	222	98 +	1	222	14028	14249
UN34311	Rsa1.0.00139.1	448	357786	1.00E-142	395	438	90 +	1	434	309404	309836
UN34312	Rsa1.0.00627.1	609	71566	0	582	615	94 -	2	608	58378	58987
UN34313	Rsa1.0.02986.1	1276	26212	0	473	474	99 -	801	1274	16837	17310
UN34314	Rsa1.0.01518.1	1232	141402	0	1164	1165	99 -	1	1165	131381	132545
UN34315	Rsa1.0.00223.1	806	106231	0	437	471	92 +	2	469	70567	71011
UN34316	Rsa1.0.12537.1	1005	5199	1.00E-163	301	304	99 +	3	306	4473	4776
UN34317	Rsa1.0.00050.1	762	237174	0	433	433	100 +	1	433	95725	96157
UN34318	Rsa1.0.04564.1	1167	16837	0	1138	1164	97 -	1	1163	8550	9712

UN34319	Rsa1.0.02010.1	899	36096	0	483	489	98 -	3	490	18230	18718
UN34320	Rsa1.0.04281.1	690	18107	0	528	555	95 +	1	552	5176	5714
UN34321	Rsa1.0.00202.1	262	185895	1.00E-139	260	262	99 -	1	261	11223	11484
UN34322	Rsa1.0.03862.1	1262	20400	0	359	361	99 -	3	363	6855	7215
UN34323	Rsa1.0.02453.1	844	31271	0	433	444	97 -	401	842	15436	15877
UN34324	Rsa1.0.03100.1	585	25411	1.00E-156	280	280	100 +	2	281	2314	2593
UN34325	Rsa1.0.00387.1	314	495407	1.00E-157	306	314	97 +	1	311	324536	324849
UN34326	Rsa1.0.00363.1	1285	90968	0	1219	1277	95 +	13	1285	32266	33532
UN34327	Rsa1.0.04955.1	1235	15337	0	410	415	98 +	2	416	2905	3319
UN34328	Rsa1.0.00286.1	636	98709	0	611	632	96 -	2	633	7814	8440
UN34329	Rsa1.0.00143.1	1151	121313	0	856	867	98 +	284	1149	13098	13964
UN34330	Rsa1.0.01465.1	781	45175	0	724	775	93 -	1	768	30022	30787
UN34331	Rsa1.0.02945.1	900	26548	0	407	417	97 -	3	419	3184	3600
UN34332	Rsa1.0.06705.1	1307	10507	5.00E-81	154	154	100 -	2	155	9329	9482
UN34333	Rsa1.0.00096.1	887	198773	1.00E-172	419	454	92 +	5	439	126328	126772
UN34334	Rsa1.0.01038.1	391	55956	1.00E-180	346	352	98 -	1	351	35176	35526
UN34335	Rsa1.0.07263.1	548	9644	1.00E-167	399	433	92 -	3	435	4485	4917
UN34336	Rsa1.0.01193.1	806	51147	0	777	815	95 +	1	806	27509	28311
UN34337	Rsa1.0.00005.1	435	353093	1.00E-168	302	303	99 -	104	406	228073	228375
UN34338	Rsa1.0.00205.1	857	193401	0	654	703	93 -	157	857	115681	116362
UN34339	Rsa1.0.00576.1	804	178949	0	797	806	98 -	1	804	61892	62697
UN34340	Rsa1.0.01960.1	981	36766	0	909	950	95 -	3	936	13754	14703
UN34341	Rsa1.0.00176.1	395	240984	1.00E-179	378	393	96 -	1	388	200348	200736
UN34342	Rsa1.0.00092.1	602	659932	0	574	627	91 -	1	601	172857	173472
UN34343	Rsa1.0.00301.1	636	365315	0	627	636	98 +	1	636	7866	8501
UN34344	Rsa1.0.00641.1	1168	208241	0	540	547	98 -	321	867	167083	167628
UN34345	Rsa1.0.01565.1	439	155447	1.00E-115	244	254	96 +	1	254	33792	34044
UN34346	Rsa1.0.00392.1	667	88523	0	563	620	90 -	5	597	65484	66094
UN34347	Rsa1.0.01471.1	1089	45101	0	1051	1065	98 -	24	1088	11987	13037
UN34348	Rsa1.0.00859.1	1048	61795	0	534	558	95 -	105	662	48538	49093
UN34349	Rsa1.0.00369.1	527	266462	8.00E-19	67	73	91 +	253	325	123887	123959
UN34350	Rsa1.0.00139.1	642	357786	1.00E-139	342	370	92 -	1	352	259343	259712
UN34351	Rsa1.0.00620.1	992	71985	5.00E-28	101	113	89 -	617	729	8295	8407
UN34352	Rsa1.0.71993.1	717	318	7.00E-14	113	136	83 +	181	314	146	281
UN34353	Rsa1.0.00058.1	905	159921	0	637	639	99 -	2	640	129853	130490
UN34354	Rsa1.0.01104.1	761	285480	1.00E-156	282	283	99 -	3	285	145189	145471
UN34355	Rsa1.0.03566.1	846	22050	8.00E-17	68	74	91 -	5	78	3708	3780
UN34356	Rsa1.0.01517.1	1265	44170	1.00E-174	337	344	97 +	1	340	25184	25527
UN34357	Rsa1.0.02784.1	668	27881	0	415	433	95 +	106	531	7504	7935

UN34358	Rsa1.0.05345.1	812	14103	0	386	387	99 +	1	387	10771	11157
UN34359	Rsa1.0.00684.1	803	141701	0	780	801	97 -	1	795	54254	55051
UN34360	Rsa1.0_11119.1	706	5610	0	607	623	97 +	87	706	4490	5107
UN34361	Rsa1.0_00222.1	700	172263	0	691	705	98 +	1	700	2872	3575
UN34362	Rsa1.0_00107.1	191	431659	3.00E-96	187	190	98 +	2	191	321787	321976
UN34363	Rsa1.0_00449.1	876	83863	1.00E-134	261	266	98 -	2	265	28292	28557
UN34364	Rsa1.0_00161.1	757	116891	0	753	757	99 +	1	757	41617	42373
UN34365	Rsa1.0_19199.1	589	1466	1.00E-98	226	238	94 +	353	589	1	236
UN34366	Rsa1.0_10452.1	1092	5846	0	482	485	99 +	1	483	428	912
UN34367	Rsa1.0_00207.1	682	248736	1.00E-158	289	291	99 -	8	298	200415	200705
UN34368	Rsa1.0_00862.1	787	61715	0	472	475	99 -	312	786	28528	29002
UN34369	Rsa1.0_05110.1	586	14814	0	442	449	98 +	1	449	10364	10811
UN34370	Rsa1.0_00833.1	990	62621	0	961	992	96 +	3	989	47305	48290
UN34371	Rsa1.0_00916.1	805	59789	0	797	804	99 +	1	804	55545	56348
UN34372	Rsa1.0_00977.1	653	198001	1.00E-170	321	327	98 +	1	327	32056	32382
UN34373	Rsa1.0_02016.1	817	36003	0	485	494	98 -	15	508	5549	6041
UN34374	Rsa1.0_00490.1	656	186713	1.00E-142	313	332	94 -	325	654	23006	23329
UN34375	Rsa1.0_03031.1	856	25839	1.00E-152	297	304	97 -	3	306	21511	21812
UN34376	Rsa1.0_00191.1	1228	316976	0	1046	1048	99 -	182	1227	157379	158426
UN34377	Rsa1.0_00107.1	588	431659	0	583	585	99 -	1	585	421769	422353
UN34378	Rsa1.0_00288.1	294	98659	1.00E-120	225	227	99 +	3	229	82020	82246
UN34379	Rsa1.0_01560.1	1040	43256	1.00E-163	393	426	92 +	4	423	7501	7920
UN34380	Rsa1.0_00231.1	793	105381	0	543	544	99 +	3	546	14690	15233
UN34381	Rsa1.0_04344.1	808	17822	0	768	793	96 -	14	806	4493	5281
UN34382	Rsa1.0_02409.1	659	31663	0	613	659	93 -	1	654	30766	31410
UN34383	Rsa1.0_04164.1	248	18767	9.00E-88	229	250	91 +	2	248	13273	13522
UN34384	Rsa1.0_00055.1	823	520193	4.00E-25	112	128	87 -	51	177	180191	180318
UN34385	Rsa1.0_04018.1	674	19551	0	672	672	100 -	1	672	10180	10851
UN34386	Rsa1.0_01553.1	1331	43379	1.00E-178	385	407	94 -	97	500	34677	35083
UN34387	Rsa1.0_00040.1	955	324196	1.00E-172	313	315	99 +	1	315	309664	309978
UN34388	Rsa1.0_08097.1	545	7914	2.00E-19	92	106	86 +	249	354	2513	2618
UN34389	Rsa1.0_05774.1	698	12667	1.00E-144	314	332	94 -	47	369	6037	6367
UN34390	Rsa1.0_07717.1	713	8720	0	499	532	93 +	72	603	1	520
UN34391	Rsa1.0_09031.1	673	6699	0	670	672	99 -	1	672	2191	2862
UN34392	Rsa1.0_01269.1	451	49622	0	442	450	98 -	1	450	12330	12779
UN34393	Rsa1.0_02061.1	987	35487	1.00E-113	301	332	90 +	2	331	23335	23648
UN34394	#	#	#	#	#	#	#	#	#	#	#
UN34395	Rsa1.0_00243.1	1121	103651	1.00E-176	314	314	100 +	354	667	36344	36657
UN34396	Rsa1.0_00877.1	672	61305	0	358	363	98 -	310	670	41127	41487

UN34397	Rsa1.0_04297.1	522	18030	1.00E-70	136	136	100 +	236	371	17122	17257
UN34398	Rsa1.0_15313.1	835	2691	1.00E-123	410	469	87 -	9	476	1551	2018
UN34399	Rsa1.0_01723.1	905	40318	0	895	904	99 +	1	904	13305	14205
UN34400	Rsa1.0_02955.1	738	26484	1.00E-131	363	399	90 +	33	423	4343	4731
UN34401	Rsa1.0_02792.1	627	27829	0	592	629	94 -	3	625	21283	21905
UN34402	Rsa1.0_01326.1	1260	48072	0	557	600	92 +	1	580	19069	19668
UN34403	Rsa1.0_02181.1	1054	34172	0	696	720	96 +	1	720	28486	29204
UN34404	Rsa1.0_02301.1	1262	32835	0	595	618	96 +	1	618	28178	28794
UN34405	Rsa1.0_02903.1	1458	26901	0	1213	1281	94 -	3	1269	23202	24470
UN34406	Rsa1.0_02590.1	496	29752	0	473	496	95 +	1	496	18844	19337
UN34407	Rsa1.0_01000.1	1606	57140	0	391	408	95 +	19	422	2343	2750
UN34408	Rsa1.0_00940.1	1136	179946	1.00E-145	304	316	96 +	827	1134	165558	165873
UN34409	Rsa1.0_05510.1	735	13470	0	440	448	98 +	175	622	12423	12870
UN34410	Rsa1.0_02668.1	762	28895	0	448	460	97 +	2	461	6168	6622
UN34411	Rsa1.0_00309.1	739	96883	0	721	738	97 -	2	739	53111	53844
UN34412	Rsa1.0_07704.1	1298	8754	0	984	985	99 +	1	985	1363	2347
UN34413	Rsa1.0_00837.1	1109	62568	1.00E-127	287	305	94 -	803	1107	33188	33489
UN34414	Rsa1.0_02767.1	772	28111	1.00E-178	378	398	94 -	58	455	8164	8553
UN34415	Rsa1.0_37894.1	730	595	1.00E-163	422	456	92 +	278	728	114	563
UN34416	Rsa1.0_00474.1	1062	81731	0	990	1017	97 +	45	1061	16754	17770
UN34417	Rsa1.0_02712.1	981	28474	0	389	398	97 +	582	979	17364	17761
UN34418	Rsa1.0_02444.1	1443	31350	0	1144	1172	97 -	1	1172	3614	4785
UN34419	Rsa1.0_07636.1	1080	8971	0	606	652	92 +	161	807	4906	5547
UN34420	Rsa1.0_00752.1	1109	65756	1.00E-174	360	372	96 +	1	368	58758	59127
UN34421	Rsa1.0_00086.1	682	439854	0	663	681	97 -	1	680	322924	323603
UN34422	Rsa1.0_03883.1	844	20282	1.00E-176	472	527	89 -	344	844	8523	9029
UN34423	Rsa1.0_00583.1	636	74309	0	519	543	95 -	5	542	64130	64663
UN34424	Rsa1.0_00025.1	849	277312	0	576	652	88 -	1	625	44955	45583
UN34425	Rsa1.0_00159.1	810	431686	1.00E-113	241	250	96 -	2	247	349831	350080
UN34426	Rsa1.0_04790.1	766	15979	1.00E-122	258	270	95 +	436	705	10040	10309
UN34427	Rsa1.0_01709.1	822	40587	1.00E-154	503	572	87 -	12	581	12046	12614
UN34428	Rsa1.0_00070.1	1246	150321	1.00E-147	274	277	98 +	641	917	5395	5671
UN34429	Rsa1.0_33965.1	1035	667	1.00E-117	220	222	99 +	693	914	408	629
UN34430	Rsa1.0_00005.1	775	353093	0	721	769	93 -	3	771	117973	118706
UN34431	Rsa1.0_04626.1	1528	16611	0	793	798	99 -	448	1245	371	1168
UN34432	Rsa1.0_00037.1	827	307838	0	666	679	98 +	147	825	224610	225288
UN34433	Rsa1.0_01839.1	848	38482	0	384	393	97 -	454	846	37413	37804
UN34434	Rsa1.0_00110.1	1014	132719	0	675	760	88 +	22	767	49801	50556
UN34435	Rsa1.0_00175.1	810	166121	0	758	798	94 +	2	799	5183	5980

UN34436	Rsa1.0_04897.1	857	15545	0	419	440	95 +	1	432	771	1209
UN34437	Rsa1.0_00676.1	1206	69166	0	336	341	98 -	338	678	12822	13162
UN34438	Rsa1.0_04104.1	833	19043	3.00E-38	112	122	91 -	712	833	8998	9119
UN34439	Rsa1.0_17114.1	1131	1919	0	644	669	96 -	465	1131	1029	1696
UN34440	Rsa1.0_00389.1	1114	88795	0	507	521	97 +	2	522	53279	53799
UN34441	Rsa1.0_05496.1	803	13533	0	629	680	92 -	8	680	9015	9681
UN34442	Rsa1.0_00145.1	888	261008	7.00E-73	195	216	90 +	42	244	22266	22481
UN34443	Rsa1.0_00428.1	861	85599	0	828	868	95 -	2	859	62593	63456
UN34444	Rsa1.0_01173.1	597	51727	0	430	436	98 +	2	435	10400	10835
UN34445	Rsa1.0_01755.1	599	155581	4.00E-86	230	250	92 -	321	569	35090	35338
UN34446	Rsa1.0_13971.1	641	3972	0	568	587	96 -	59	640	3030	3616
UN34447	Rsa1.0_03314.1	1331	23804	1.00E-162	297	298	99 -	2	299	14527	14823
UN34448	Rsa1.0_01625.1	700	42019	0	420	424	99 +	2	425	29615	30035
UN34449	Rsa1.0_00450.1	1261	139397	0	941	957	98 +	303	1259	124116	125063
UN34450	Rsa1.0_03884.1	966	20274	0	570	598	95 -	370	966	17874	18458
UN34451	Rsa1.0_42214.1	994	532	0	399	404	98 +	1	400	129	532
UN34452	Rsa1.0_01172.1	1125	51734	0	776	783	99 +	1	783	21619	22400
UN34453	Rsa1.0_00402.1	1065	385315	0	495	511	96 -	289	799	130906	131413
UN34454	Rsa1.0_00318.1	960	96094	1.00E-159	287	288	99 -	1	288	70330	70617
UN34455	Rsa1.0_02116.1	581	34853	0	392	406	96 -	1	403	13765	14169
UN34456	Rsa1.0_00474.1	241	81731	1.00E-109	235	245	95 -	1	240	34006	34250
UN34457	Rsa1.0_00360.1	687	91190	1.00E-157	300	305	98 -	1	305	71408	71711
UN34458	Rsa1.0_47885.1	1144	473	5.00E-93	203	212	95 +	294	505	126	334
UN34459	Rsa1.0_08675.1	543	7054	1.00E-153	346	366	94 -	173	536	1694	2058
UN34460	Rsa1.0_20661.1	1446	1282	0	1026	1104	92 +	364	1444	1	1077
UN34461	Rsa1.0_00053.1	1412	263459	0	587	593	98 -	3	594	24335	24927
UN34462	Rsa1.0_01073.1	704	55030	7.00E-23	168	199	84 +	497	693	51414	51608
UN34463	Rsa1.0_02254.1	838	33344	1.00E-137	267	272	98 +	566	836	12021	12292
UN34464	Rsa1.0_00247.1	719	103408	1.00E-144	287	295	97 -	7	297	30209	30500
UN34465	#	#	#	#	#	#	#	#	#	#	#
UN34466	Rsa1.0_00565.1	913	75420	4.00E-34	162	191	84 -	337	527	53256	53446
UN34467	Rsa1.0_02884.1	894	27034	0	412	421	97 +	2	420	18732	19152
UN34468	Rsa1.0_49322.1	410	459	0	374	388	96 +	2	386	79	459
UN34469	Rsa1.0_33424.1	662	679	1.00E-171	408	436	93 -	1	431	1	431
UN34470	Rsa1.0_00571.1	1399	329018	1.00E-118	223	225	99 -	509	733	39633	39857
UN34471	Rsa1.0_00030.1	867	250988	0	396	401	98 +	197	597	122740	123140
UN34472	Rsa1.0_02894.1	574	26997	0	523	553	94 +	4	543	16215	16765
UN34473	Rsa1.0_02981.1	607	26285	1.00E-95	240	255	94 -	1	249	19173	19425
UN34474	Rsa1.0_02796.1	1445	27805	0	725	728	99 +	717	1444	7627	8354

UN34475	Rsa1.0.00216.1	760	197563	0	488	508	96 -	1	507	48673	49167
UN34476	Rsa1.0.01492.1	764	44704	0	514	518	99 -	246	763	32727	33244
UN34477	Rsa1.0.00183.1	849	113277	8.00E-91	206	218	94 +	166	383	111320	111537
UN34478	Rsa1.0.00339.1	1310	222974	0	746	765	97 +	47	807	91240	92003
UN34479	Rsa1.0_10080.1	941	6006	0	363	369	98 -	1	369	1	369
UN34480	Rsa1.0_00640.1	1088	70979	0	1007	1114	90 +	1	1086	57815	58900
UN34481	Rsa1.0.08959.1	936	6751	0	901	936	96 -	3	935	2439	3359
UN34482	Rsa1.0.04401.1	1330	17517	6.00E-28	86	91	94 +	1240	1328	2005	2093
UN34483	Rsa1.0.49499.1	973	458	0	452	458	98 +	35	491	1	458
UN34484	Rsa1.0.01865.1	870	37992	1.00E-152	276	277	99 -	160	436	16517	16793
UN34485	Rsa1.0.03319.1	1091	23767	1.00E-90	179	182	98 +	725	906	12202	12383
UN34486	Rsa1.0.00136.1	1189	122464	0	519	529	98 +	1	527	36266	36793
UN34487	Rsa1.0.06033.1	589	11879	0	558	597	93 +	2	587	6847	7429
UN34488	Rsa1.0.02294.1	469	32940	0	463	464	99 -	2	465	12751	13214
UN34489	Rsa1.0.02057.1	733	35540	0	718	730	98 -	3	731	5194	5922
UN34490	Rsa1.0.04719.1	832	16239	0	381	396	96 -	1	396	202	594
UN34491	Rsa1.0.02432.1	1032	31499	0	531	531	100 +	501	1031	15382	15912
UN34492	Rsa1.0.62593.1	462	366	6.00E-81	313	362	86 -	100	456	12	366
UN34493	Rsa1.0.12036.1	681	5335	1.00E-101	188	188	100 -	338	525	5002	5189
UN34494	Rsa1.0.01236.1	793	50156	0	771	799	96 -	1	792	47681	48472
UN34495	Rsa1.0.01646.1	950	41735	1.00E-105	260	278	93 +	167	444	10736	11010
UN34496	Rsa1.0.06311.1	829	11254	1.00E-147	301	312	96 +	1	312	4307	4611
UN34497	Rsa1.0_34008.1	887	666	1.00E-150	273	274	99 +	1	274	212	485
UN34498	Rsa1.0_13694.1	709	4469	0	691	708	97 +	3	707	3150	3857
UN34499	Rsa1.0.02039.1	351	35699	0	345	351	98 +	1	350	26990	27340
UN34500	Rsa1.0.01707.1	601	40686	1.00E-174	320	322	99 +	188	508	4395	4716
UN34501	Rsa1.0.00179.1	1058	393324	0	558	559	99 +	501	1058	21458	22016
UN34502	Rsa1.0.03112.1	606	25323	0	604	607	99 +	1	606	20140	20746
UN34503	Rsa1.0.00481.1	636	81316	0	619	637	97 +	1	636	19664	20296
UN34504	Rsa1.0.02093.1	657	35125	1.00E-135	287	299	95 +	1	295	25142	25440
UN34505	Rsa1.0.02165.1	794	34423	0	761	793	95 -	3	794	15155	15944
UN34506	Rsa1.0.02712.1	804	28474	0	755	806	93 -	3	800	26352	27156
UN34507	Rsa1.0_21096.1	1066	1235	0	430	441	97 -	522	961	1	441
UN34508	Rsa1.0.00703.1	760	67597	4.00E-71	149	153	97 +	108	260	22495	22647
UN34509	Rsa1.0.01126.1	1186	53127	0	1017	1063	95 +	135	1183	35534	36590
UN34510	Rsa1.0.00774.1	773	64831	0	463	466	99 +	3	465	59840	60305
UN34511	Rsa1.0.00361.1	658	91181	0	654	657	99 +	3	658	5318	5974
UN34512	Rsa1.0.00004.1	1214	253996	0	1181	1230	96 -	5	1213	9513	10734
UN34513	Rsa1.0_00068.1	257	151813	9.00E-88	235	257	91 -	1	256	118689	118931

UN34514	Rsa1.0_00706.1	1265	291570	0	1233	1273	96 +	5	1264	7197	8466
UN34515	Rsa1.0_00039.1	711	296927	1.00E-101	228	240	95 -	2	241	280028	280262
UN34516	Rsa1.0_00758.1	518	65477	0	498	512	97 +	2	513	63005	63515
UN34517	Rsa1.0_02228.1	825	33688	0	387	388	99 +	3	390	28329	28716
UN34518	Rsa1.0_03631.1	903	21647	0	395	416	94 +	74	477	3273	3686
UN34519	Rsa1.0_00785.1	893	64356	0	677	716	94 +	55	766	26048	26746
UN34520	Rsa1.0_00214.1	736	107508	0	418	422	99 +	315	736	18934	19355
UN34521	Rsa1.0_00671.1	803	397884	0	494	513	96 +	2	511	133545	134051
UN34522	Rsa1.0_13357.1	1442	4889	0	726	781	92 -	13	782	1	779
UN34523	Rsa1.0_02079.1	268	35306	1.00E-65	151	159	94 +	110	268	10004	10162
UN34524	Rsa1.0_00251.1	478	303968	0	457	479	95 -	1	478	9312	9789
UN34525	Rsa1.0_01762.1	1133	39682	0	1127	1133	99 +	1	1133	24874	26006
UN34526	Rsa1.0_00873.1	688	61459	0	645	680	94 +	2	681	39570	40248
UN34527	Rsa1.0_00351.1	1345	413096	4.00E-72	191	207	92 +	356	561	184389	184595
UN34528	Rsa1.0_18977.1	925	1501	0	373	389	95 +	541	925	1081	1469
UN34529	Rsa1.0_00621.1	995	71840	1.00E-158	292	295	98 -	698	992	15998	16292
UN34530	Rsa1.0_05699.1	920	12889	0	464	480	96 -	213	692	12410	12889
UN34531	Rsa1.0_00244.1	1050	103590	1.00E-173	474	527	89 -	3	528	75066	75589
UN34532	Rsa1.0_00873.1	1151	61459	0	767	806	95 +	320	1125	39305	40108
UN34533	Rsa1.0_02896.1	1479	26970	0	369	376	98 +	1110	1478	15279	15654
UN34534	Rsa1.0_00233.1	634	104918	0	554	578	95 -	3	580	79070	79641
UN34535	Rsa1.0_00206.1	1356	109040	1.00E-169	311	314	99 +	2	315	33978	34291
UN34536	Rsa1.0_16454.1	681	2149	0	395	407	97 -	274	680	230	636
UN34537	Rsa1.0_00033.1	769	515811	0	597	609	98 +	2	609	359975	360583
UN34538	#	#	#	#	#	#	#	#	#	#	#
UN34539	Rsa1.0_00038.1	433	314568	1.00E-148	341	363	93 +	78	433	167369	167728
UN34540	Rsa1.0_00641.1	779	208241	0	460	467	98 +	299	765	207696	208162
UN34541	Rsa1.0_00922.1	647	59588	6.00E-45	118	125	94 +	273	397	21294	21417
UN34542	Rsa1.0_00175.1	803	166121	0	562	585	96 -	220	803	6605	7189
UN34543	Rsa1.0_00300.1	853	97747	0	759	782	97 +	73	853	1555	2335
UN34544	Rsa1.0_72353.1	1090	317	1.00E-62	267	309	86 -	409	716	13	315
UN34545	#	#	#	#	#	#	#	#	#	#	#
UN34546	Rsa1.0_00140.1	515	121541	1.00E-141	303	317	95 -	3	313	71178	71491
UN34547	Rsa1.0_00429.1	227	85559	8.00E-85	177	182	97 +	48	227	24224	24405
UN34548	Rsa1.0_04614.1	776	16641	0	391	395	98 -	2	396	8319	8713
UN34549	Rsa1.0_03780.1	764	20899	1.00E-110	269	293	91 -	363	640	1842	2134
UN34550	Rsa1.0_00629.1	783	71381	0	407	421	96 +	3	421	44567	44985
UN34551	Rsa1.0_02808.1	808	27677	1.00E-77	163	168	97 -	487	654	17869	18036
UN34552	Rsa1.0_00182.1	417	142305	1.00E-84	178	183	97 +	1	182	66816	66998

UN34553	Rsa1.0.00079.1	559	606987	0	508	557	91 -	4	556	59622	60169
UN34554	Rsa1.0.05595.1	1158	13228	1.00E-172	338	347	97 +	1	346	3219	3561
UN34555	Rsa1.0.02645.1	1176	29158	0	339	339	100 -	3	341	3773	4111
UN34556	Rsa1.0.62698.1	881	366	0	359	361	99 +	304	664	6	366
UN34557	Rsa1.0.02991.1	992	26178	1.00E-80	267	303	88 -	473	769	871	1160
UN34558	Rsa1.0.00177.1	492	143394	0	430	446	96 +	27	468	104418	104862
UN34559	Rsa1.0.15522.1	1262	2559	0	415	429	96 -	664	1089	1	428
UN34560	Rsa1.0.00149.1	940	305196	3.00E-69	140	142	98 +	792	933	46726	46867
UN34561	Rsa1.0.00088.1	1256	141341	0	572	587	97 +	2	587	100653	101230
UN34562	Rsa1.0.05923.1	893	12230	1.00E-168	317	323	98 +	2	324	4209	4531
UN34563	Rsa1.0.00526.1	540	169279	8.00E-84	322	368	87 -	2	364	124599	124962
UN34564	Rsa1.0.34133.1	613	663	0	338	342	98 +	1	342	184	524
UN34565	Rsa1.0.00233.1	775	104918	0	460	498	92 +	165	659	11787	12274
UN34566	Rsa1.0.71832.1	388	319	3.00E-24	61	62	98 +	217	278	258	319
UN34567	Rsa1.0.02694.1	1018	28610	0	436	452	96 -	453	901	4461	4909
UN34568	Rsa1.0.01929.1	714	37191	0	690	714	96 -	1	713	23566	24279
UN34569	Rsa1.0.04773.1	617	16037	1.00E-170	398	428	92 +	185	605	3168	3592
UN34570	Rsa1.0.01006.1	1088	163670	0	633	708	89 +	1	652	1578	2285
UN34571	Rsa1.0.02129.1	614	34757	0	472	512	92 +	1	505	16628	17123
UN34572	Rsa1.0.01177.1	994	51572	0	751	769	97 -	220	985	5425	6192
UN34573	Rsa1.0.02186.1	857	34150	1.00E-162	318	325	97 +	2	325	13881	14203
UN34574	Rsa1.0.00674.1	655	193753	3.00E-56	142	152	93 +	89	240	124454	124605
UN34575	Rsa1.0.03633.1	1118	21644	0	574	579	99 -	1	579	8230	8807
UN34576	Rsa1.0.01285.1	1000	172709	0	576	595	96 -	12	603	25318	25912
UN34577	Rsa1.0.00069.1	853	403561	0	544	563	96 -	2	562	168707	169268
UN34578	Rsa1.0.00818.1	695	62939	0	436	450	96 -	6	446	23331	23780
UN34579	Rsa1.0.03061.1	444	25697	0	359	364	98 +	79	442	81	444
UN34580	Rsa1.0.00120.1	1227	277288	0	1007	1179	85 -	6	1166	90848	92017
UN34581	Rsa1.0.40422.1	1116	555	0	500	519	96 -	516	1033	1	518
UN34582	Rsa1.0.02699.1	776	28586	1.00E-157	282	282	100 +	6	287	5397	5678
UN34583	Rsa1.0.07085.1	883	9915	0	869	881	98 -	1	881	5520	6400
UN34584	Rsa1.0.05789.1	1120	12620	1.00E-170	331	339	97 +	1	338	15	353
UN34585	Rsa1.0.00273.1	1005	326186	0	507	566	89 +	451	1004	117911	118476
UN34586	Rsa1.0.00700.1	647	67699	1.00E-158	289	291	99 -	355	645	3616	3906
UN34587	Rsa1.0.01344.1	711	142535	0	711	712	99 -	1	711	19407	20118
UN34588	Rsa1.0.02619.1	814	29444	0	802	812	98 +	3	814	5295	6105
UN34589	Rsa1.0.02894.1	630	26997	3.00E-34	191	226	84 +	284	499	25195	25416
UN34590	Rsa1.0.01184.1	739	51452	0	720	737	97 +	1	737	37529	38265
UN34591	Rsa1.0.00178.1	836	114861	0	594	622	95 +	29	647	93407	94025

UN34592	Rsa1.0.00914.1	1041	59880	0	1010	1042	96 -	1	1041	13035	14076
UN34593	Rsa1.0.01143.1	250	52456	5.00E-12	40	41	97 -	142	182	41396	41436
UN34594	Rsa1.0.01115.1	1214	183545	0	690	749	92 +	472	1212	136991	137714
UN34595	Rsa1.0.03201.1	743	157656	0	500	505	99 -	4	508	1010	1514
UN34596	Rsa1.0.05694.1	1191	12903	1.00E-113	274	296	92 +	866	1161	8387	8682
UN34597	Rsa1.0.00026.1	917	327835	0	586	605	96 +	174	778	55916	56517
UN34598	Rsa1.0.08666.1	386	7063	1.00E-164	353	369	95 +	1	367	2591	2958
UN34599	Rsa1.0.14752.1	538	3100	0	477	503	94 -	36	537	2182	2675
UN34600	Rsa1.0.01336.1	651	47853	0	640	650	98 -	1	650	5086	5735
UN34601	Rsa1.0.15192.1	759	2768	1.00E-139	325	346	93 +	390	734	862	1204
UN34602	Rsa1.0.01403.1	1375	46453	0	1350	1387	97 +	1	1373	40781	42162
UN34603	Rsa1.0.00153.1	1028	192931	0	403	420	95 -	608	1027	113513	113926
UN34604	Rsa1.0.01945.1	997	36989	1.00E-148	326	349	93 -	543	891	7204	7537
UN34605	Rsa1.0.01513.1	1088	44234	0	692	713	97 +	1	707	36930	37641
UN34606	Rsa1.0.05133.1	853	14751	0	838	861	97 +	1	851	1760	2620
UN34607	Rsa1.0.01595.1	891	175383	0	387	395	97 -	241	634	156122	156512
UN34608	Rsa1.0.00917.1	973	182012	1.00E-71	166	174	95 +	1	174	181243	181415
UN34609	Rsa1.0.03207.1	589	24604	0	584	588	99 -	1	586	5529	6116
UN34610	Rsa1.0.08080.1	991	137363	0	944	996	94 +	2	990	6663	7644
UN34611	Rsa1.0.06185.1	760	11540	0	756	759	99 +	1	758	5391	6149
UN34612	Rsa1.0.00193.1	454	194198	0	450	472	95 +	3	453	111188	111659
UN34613	Rsa1.0.00946.1	1173	58666	0	1158	1181	98 -	3	1171	17984	19164
UN34614	Rsa1.0.40237.1	1114	558	1.00E-156	310	320	96 +	311	630	7	326
UN34615	Rsa1.0.00213.1	244	108167	5.00E-49	150	165	90 -	15	178	9890	10051
UN34616	Rsa1.0.01032.1	1069	56189	0	334	334	100 -	306	639	24607	24940
UN34617	Rsa1.0.08716.1	628	7009	1.00E-156	285	287	99 -	3	289	6477	6763
UN34618	Rsa1.0.00524.1	1192	169613	0	1171	1193	98 +	6	1191	10352	11542
UN34619	Rsa1.0.00028.1	677	293984	2.00E-84	256	287	89 +	65	350	137207	137478
UN34620	Rsa1.0.17757.1	781	1748	0	778	781	99 +	1	780	147	927
UN34621	Rsa1.0.00182.1	908	142305	1.00E-160	318	325	97 -	1	325	66480	66799
UN34622	Rsa1.0.04274.1	988	18140	1.00E-125	242	246	98 +	638	880	1	246
UN34623	Rsa1.0.00394.1	895	148426	1.00E-168	317	322	98 +	10	329	68761	69082
UN34624	Rsa1.0.00012.1	408	222148	1.00E-153	378	408	92 +	1	405	103325	103719
UN34625	Rsa1.0.00261.1	1325	151157	1.00E-140	333	361	92 +	208	565	98875	99223
UN34626	Rsa1.0.00448.1	1176	84048	0	518	536	96 +	539	1073	78140	78675
UN34627	Rsa1.0.00059.1	887	159650	1.00E-128	431	495	87 +	1	477	105848	106336
UN34628	Rsa1.0.02908.1	527	26859	0	353	363	97 -	1	363	5105	5467
UN34629	Rsa1.0.03733.1	786	21108	0	687	794	86 +	1	785	2341	3127
UN34630	Rsa1.0.03795.1	1439	20818	1.00E-108	218	224	97 +	1118	1341	8274	8497

UN34631	Rsa1.0.01651.1	793	41586	0	669	706	94 -	2	700	19156	19847
UN34632	Rsa1.0.06168.1	854	11580	1.00E-134	266	274	97 -	1	269	10865	11138
UN34633	Rsa1.0.00036.1	1020	176186	0	381	384	99 -	1	384	143783	144166
UN34634	Rsa1.0.00863.1	705	254535	0	699	702	99 +	1	702	194691	195390
UN34635	Rsa1.0.15615.1	765	2518	1.00E-126	233	234	99 +	532	765	1669	1902
UN34636	Rsa1.0.04936.1	1149	15403	0	814	814	100 -	2	815	4402	5215
UN34637	Rsa1.0.02150.1	1107	34580	0	669	689	97 -	1	689	27648	28332
UN34638	Rsa1.0.00352.1	329	92266	3.00E-85	175	180	97 -	13	192	15442	15621
UN34639	Rsa1.0.05938.1	761	12173	1.00E-170	345	359	96 +	1	359	8316	8674
UN34640	Rsa1.0.00978.1	562	57739	0	539	574	93 +	1	561	46587	47157
UN34641	Rsa1.0.03120.1	1348	25269	0	413	418	98 +	3	420	22398	22815
UN34642	Rsa1.0.01958.1	460	261128	1.00E-149	300	311	96 -	5	315	127382	127687
UN34643	Rsa1.0.01235.1	769	50180	0	468	469	99 -	301	769	15039	15507
UN34644	Rsa1.0.03502.1	791	22446	0	469	502	93 -	292	790	15610	16111
UN34645	Rsa1.0.00651.1	711	247766	2.00E-44	110	116	94 -	15	130	82729	82844
UN34646	Rsa1.0.07381.1	615	9488	0	604	620	97 -	1	613	5403	6022
UN34647	Rsa1.0.02488.1	894	30913	0	565	569	99 +	38	606	1475	2043
UN34648	Rsa1.0.02004.1	1579	169138	0	740	787	94 -	1	787	156516	157283
UN34649	Rsa1.0.00668.1	706	69421	0	512	532	96 +	1	526	4542	5073
UN34650	Rsa1.0.00561.1	767	75653	0	439	447	98 -	319	765	36033	36473
UN34651	Rsa1.0.00556.1	1288	207212	1.00E-175	325	328	99 +	1	327	179319	179646
UN34652	Rsa1.0.04512.1	231	17031	1.00E-128	231	231	100 +	1	231	3622	3852
UN34653	Rsa1.0.00143.1	1456	121313	0	680	702	96 -	1	702	51340	52039
UN34654	Rsa1.0.00438.1	357	84861	1.00E-150	346	372	93 +	2	355	18284	18652
UN34655	Rsa1.0.07345.1	837	9526	0	418	419	99 -	1	418	6808	7226
UN34656	Rsa1.0.04741.1	1423	16164	0	341	345	98 -	1	343	4356	4700
UN34657	Rsa1.0.00502.1	947	204180	0	419	422	99 -	527	947	73724	74145
UN34658	Rsa1.0.00519.1	583	197864	1.00E-134	366	406	90 +	36	440	43331	43720
UN34659	Rsa1.0.03376.1	340	23326	1.00E-155	307	316	97 -	25	340	9015	9328
UN34660	Rsa1.0.00122.1	935	265937	0	518	536	96 +	362	897	92603	93138
UN34661	Rsa1.0.01120.1	353	53438	0	349	351	99 +	2	352	33127	33477
UN34662	Rsa1.0.01632.1	432	181224	1.00E-174	358	371	96 +	1	370	36835	37201
UN34663	Rsa1.0.04789.1	860	15981	0	852	861	98 -	1	858	9700	10559
UN34664	Rsa1.0.00846.1	604	62342	0	376	386	97 -	1	386	1	386
UN34665	Rsa1.0.52355.1	1053	435	1.00E-121	227	229	99 +	412	640	1	229
UN34666	Rsa1.0.02690.1	888	28629	0	814	851	95 -	48	888	11192	12039
UN34667	Rsa1.0.04427.1	1059	17399	1.00E-142	391	437	89 -	99	519	16301	16725
UN34668	Rsa1.0.01318.1	796	48275	0	741	807	91 -	4	787	46307	47110
UN34669	Rsa1.0.00107.1	826	431659	1.00E-179	325	327	99 -	1	327	334765	335091

UN34670	Rsa1.0.00071.1	832	345714	3.00E-90	316	365	86 +	324	688	76287	76651
UN34671	Rsa1.0.04538.1	708	16940	4.00E-86	189	194	97 -	10	202	13829	14020
UN34672	Rsa1.0.00089.1	791	406142	1.00E-154	277	277	100 -	235	511	224228	224504
UN34673	Rsa1.0.00254.1	1679	102600	0	1448	1507	96 +	1	1482	87148	88644
UN34674	Rsa1.0.11249.1	717	5569	1.00E-159	292	293	99 +	1	293	627	918
UN34675	Rsa1.0.00036.1	928	176186	0	832	863	96 -	1	844	62977	63837
UN34676	Rsa1.0.00507.1	1606	79074	1.00E-155	333	350	95 +	587	935	61694	62043
UN34677	Rsa1.0.00079.1	811	606987	1.00E-114	209	209	100 -	601	809	55024	55232
UN34678	Rsa1.0.03591.1	1549	21888	0	1495	1571	95 +	1	1548	3359	4916
UN34679	Rsa1.0.03767.1	998	20969	0	950	992	95 +	1	991	5658	6621
UN34680	Rsa1.0.07402.1	999	9459	0	922	929	99 -	1	928	2762	3689
UN34681	Rsa1.0.40630.1	1202	552	1.00E-133	244	245	99 -	667	911	185	429
UN34682	Rsa1.0.06035.1	307	11874	2.00E-18	99	115	86 +	26	140	8587	8699
UN34683	Rsa1.0.03517.1	1068	22337	0	358	366	97 +	699	1064	11767	12132
UN34684	Rsa1.0.07501.1	468	9241	0	468	468	100 -	1	468	6482	6949
UN34685	Rsa1.0.07706.1	910	8752	0	876	908	96 +	1	908	1139	2043
UN34686	Rsa1.0.00789.1	910	64233	0	492	504	97 -	370	869	26895	27395
UN34687	Rsa1.0.00577.1	412	174827	0	405	410	98 -	1	407	111654	112063
UN34688	Rsa1.0.03820.1	1171	20664	0	717	773	92 -	415	1169	9193	9961
UN34689	Rsa1.0.00116.1	1050	365886	1.00E-104	202	205	98 -	364	568	11968	12172
UN34690	Rsa1.0.00080.1	1445	190437	3.00E-98	204	211	96 -	521	731	65230	65440
UN34691	Rsa1.0.01664.1	608	41364	0	570	607	93 +	3	608	30791	31397
UN34692	Rsa1.0.00379.1	659	89865	0	636	658	96 -	1	658	84581	85238
UN34693	#	#	#	#	#	#	#	#	#	#	#
UN34694	Rsa1.0.00589.1	708	209965	0	696	708	98 -	1	706	170446	171152
UN34695	Rsa1.0.01052.1	598	55548	0	594	596	99 +	2	597	39072	39667
UN34696	Rsa1.0.00125.1	828	253043	0	531	568	93 -	1	568	201538	202099
UN34697	Rsa1.0.00740.1	637	215972	0	438	438	100 -	2	439	177650	178087
UN34698	Rsa1.0.00838.1	705	153820	0	698	704	99 -	1	704	11150	11853
UN34699	Rsa1.0.00638.1	1047	71037	0	703	722	97 +	176	896	44460	45181
UN34700	Rsa1.0.03912.1	817	135266	0	611	651	93 -	2	646	12140	12786
UN34701	Rsa1.0.00017.1	919	752458	0	392	412	95 -	5	416	531225	531628
UN34702	Rsa1.0.02952.1	514	26492	0	512	514	99 +	1	514	1038	1551
UN34703	Rsa1.0.00204.1	646	109056	1.00E-92	296	335	88 -	1	316	46701	47035
UN34704	Rsa1.0.04833.1	937	148235	1.00E-110	216	219	98 -	2	220	5120	5337
UN34705	Rsa1.0.05428.1	1101	13789	0	693	711	97 +	391	1101	3217	3927
UN34706	Rsa1.0.05575.1	910	13288	0	417	431	96 +	71	501	8363	8793
UN34707	Rsa1.0.00520.1	884	78226	0	360	364	98 -	1	362	37747	38110
UN34708	Rsa1.0.00196.1	718	109960	0	495	549	90 +	1	533	51548	52079

UN34709	Rsa1.0.00190.1	1412	318240	0	1347	1412	95 -	1	1411	288624	290029
UN34710	Rsa1.0.04497.1	1065	17103	0	446	453	98 +	592	1044	11142	11594
UN34711	Rsa1.0.00040.1	968	324196	1.00E-167	392	419	93 +	438	849	310697	311109
UN34712	Rsa1.0.01348.1	260	47569	1.00E-145	260	260	100 +	1	260	21956	22215
UN34713	Rsa1.0.04906.1	971	15503	0	803	813	98 +	1	812	9570	10382
UN34714	Rsa1.0.01521.1	482	142147	2.00E-50	203	233	87 -	246	475	16877	17108
UN34715	Rsa1.0.00069.1	686	403561	0	666	682	97 +	1	681	83304	83985
UN34716	Rsa1.0.00064.1	986	240927	0	966	986	97 +	1	984	75448	76432
UN34717	Rsa1.0.00422.1	1112	86144	0	1100	1126	97 -	1	1111	69648	70770
UN34718	Rsa1.0.00923.1	1071	153678	0	453	492	92 -	573	1064	36820	37284
UN34719	Rsa1.0.16633.1	858	2084	0	396	411	96 -	439	849	1485	1895
UN34720	Rsa1.0.00964.1	771	316648	0	742	797	93 -	5	771	292628	293414
UN34721	Rsa1.0.01566.1	813	43134	1.00E-128	254	260	97 +	1	258	15258	15517
UN34722	Rsa1.0.03018.1	662	25991	1.00E-155	299	305	98 +	355	658	16340	16644
UN34723	Rsa1.0.38397.1	1659	586	0	577	578	99 +	313	890	9	586
UN34724	#	#	#	#	#	#	#	#	#	#	#
UN34725	Rsa1.0.00842.1	621	62493	0	604	621	97 +	1	620	23767	24383
UN34726	Rsa1.0.02500.1	602	30768	0	550	592	92 +	21	602	12770	13360
UN34727	Rsa1.0.00017.1	292	752458	1.00E-147	273	276	98 +	17	292	751560	751835
UN34728	Rsa1.0.00002.1	797	601661	0	600	637	94 -	170	797	105492	106125
UN34729	Rsa1.0.00109.1	825	132735	0	361	364	99 +	460	823	68798	69161
UN34730	Rsa1.0.03229.1	1001	24470	0	358	369	97 -	1	369	15434	15801
UN34731	Rsa1.0.03636.1	1437	21638	0	392	405	96 +	993	1397	13532	13930
UN34732	Rsa1.0.01355.1	440	47303	0	421	446	94 +	1	438	42465	42907
UN34733	Rsa1.0.02461.1	640	31166	1.00E-137	258	260	99 +	379	638	6012	6270
UN34734	Rsa1.0.00002.1	1217	601661	0	350	351	99 -	339	689	181698	182048
UN34735	Rsa1.0.03494.1	826	22509	0	806	826	97 -	1	826	17464	18289
UN34736	Rsa1.0.06041.1	1051	11861	0	1010	1085	93 -	1	1050	3136	4217
UN34737	Rsa1.0.01945.1	958	36989	0	931	957	97 -	2	958	15103	16057
UN34738	Rsa1.0.08272.1	784	7617	0	405	422	95 -	235	656	4645	5066
UN34739	Rsa1.0.00523.1	1028	178770	0	496	505	98 +	5	505	29052	29554
UN34740	Rsa1.0.01608.1	1325	170540	0	1158	1162	99 -	1	1162	168885	170046
UN34741	Rsa1.0.00034.1	888	260119	0	447	483	92 +	1	482	33600	34066
UN34742	Rsa1.0.04281.1	1504	18107	0	1039	1071	97 +	435	1504	5962	7019
UN34743	Rsa1.0.00016.1	1170	831256	1.00E-170	381	404	94 -	336	727	57544	57943
UN34744	Rsa1.0.22040.1	821	1153	0	784	821	95 +	1	821	331	1146
UN34745	Rsa1.0.01013.1	765	56822	0	738	738	100 -	28	765	41570	42307
UN34746	Rsa1.0.01194.1	253	51113	3.00E-63	188	208	90 -	49	253	44786	44986
UN34747	Rsa1.0.00474.1	828	81731	0	810	829	97 +	1	828	3391	4217

UN34748	Rsa1.0.03714.1	804	21217	0	405	407	99 -	2	408	15909	16315
UN34749	Rsa1.0.02871.1	1276	27085	0	848	879	96 -	2	879	20167	21045
UN34750	Rsa1.0.61124.1	1372	375	4.00E-63	275	326	84 +	260	576	58	375
UN34751	Rsa1.0.00293.1	642	339294	1.00E-67	150	155	96 +	323	476	303518	303672
UN34752	Rsa1.0.00005.1	915	353093	1.00E-159	316	325	97 +	391	709	263134	263458
UN34753	Rsa1.0.07683.1	823	8804	0	764	807	94 -	8	814	2905	3710
UN34754	Rsa1.0.25169.1	836	948	1.00E-125	272	286	95 +	6	291	305	588
UN34755	Rsa1.0.15024.1	348	2885	4.00E-66	190	216	87 +	58	252	2018	2233
UN34756	Rsa1.0.00034.1	678	260119	0	603	633	95 +	2	634	107469	108091
UN34757	Rsa1.0.05151.1	737	14667	0	356	365	97 +	373	737	10826	11188
UN34758	Rsa1.0.05918.1	600	12244	1.00E-98	226	241	93 -	372	600	3509	3749
UN34759	Rsa1.0.01263.1	834	49703	1.00E-160	376	401	93 +	441	834	23720	24111
UN34760	Rsa1.0.04369.1	301	17703	1.00E-106	234	247	94 +	55	301	17185	17431
UN34761	Rsa1.0.15731.1	1251	2458	1.00E-127	238	240	99 -	3	242	1859	2098
UN34762	Rsa1.0.04504.1	563	17069	1.00E-175	333	340	97 -	4	343	7940	8279
UN34763	Rsa1.0.01014.1	437	56762	1.00E-139	260	263	98 -	2	264	26951	27213
UN34764	Rsa1.0.00521.1	909	78191	0	539	549	98 -	7	555	74362	74910
UN34765	Rsa1.0.00475.1	535	81678	0	407	410	99 -	128	535	625	1034
UN34766	Rsa1.0.00367.1	853	90750	0	347	348	99 -	289	636	63977	64324
UN34767	Rsa1.0.62159.1	725	369	0	345	348	99 -	281	628	24	369
UN34768	Rsa1.0.06166.1	756	11583	0	749	752	99 +	5	756	2728	3479
UN34769	Rsa1.0.00064.1	714	240927	0	696	713	97 +	13	714	116651	117363
UN34770	Rsa1.0.00686.1	759	68511	0	750	752	99 -	8	759	61788	62538
UN34771	Rsa1.0.06675.1	760	10561	1.00E-171	313	316	99 -	445	760	10246	10561
UN34772	Rsa1.0.04622.1	673	16618	0	619	674	91 -	6	673	6691	7362
UN34773	Rsa1.0.23015.1	831	1077	0	380	386	98 +	265	650	692	1077
UN34774	Rsa1.0.03324.1	1165	23732	0	352	353	99 +	601	953	17032	17384
UN34775	Rsa1.0.66280.1	465	346	1.00E-158	305	311	98 +	153	463	1	310
UN34776	Rsa1.0.03722.1	958	21184	6.00E-95	414	488	84 -	12	485	9328	9799
UN34777	Rsa1.0.00059.1	665	159650	1.00E-163	392	427	91 +	6	415	113815	114239
UN34778	Rsa1.0.00087.1	872	761073	0	446	473	94 +	1	456	362053	362524
UN34779	Rsa1.0.00321.1	1045	95671	0	999	1054	94 +	1	1036	59679	60718
UN34780	Rsa1.0.08550.1	470	7211	0	448	487	91 -	1	469	2086	2560
UN34781	Rsa1.0.00094.1	556	139042	4.00E-21	109	128	85 -	211	332	42053	42180
UN34782	Rsa1.0.11054.1	1255	5632	1.00E-138	375	415	90 +	806	1208	477	888
UN34783	Rsa1.0.21486.1	502	1199	1.00E-48	102	103	99 -	398	500	1097	1199
UN34784	Rsa1.0.00030.1	598	250988	1.00E-147	273	276	98 -	1	276	32456	32731
UN34785	Rsa1.0.00576.1	621	178949	1.00E-152	328	345	95 +	2	346	63844	64187
UN34786	Rsa1.0.00734.1	593	66508	0	558	590	94 -	2	591	9646	10212

UN34787	Rsa1.0.00509.1	1279	78829	0	485	486	99 +	448	933	27941	28426
UN34788	Rsa1.0.00017.1	710	752458	1.00E-150	294	302	97 -	409	710	326098	326399
UN34789	Rsa1.0.00306.1	537	146760	1.00E-126	319	347	91 +	4	349	76109	76447
UN34790	Rsa1.0.00639.1	1390	165873	0	724	751	96 +	1	741	152746	153495
UN34791	Rsa1.0.00383.1	994	398431	0	943	1008	93 +	2	992	253284	254284
UN34792	Rsa1.0.01531.1	875	43778	0	367	378	97 +	496	873	18942	19310
UN34793	Rsa1.0.00964.1	1245	316648	1.00E-164	318	326	97 +	375	700	27484	27809
UN34794	Rsa1.0.00306.1	651	146760	1.00E-95	229	246	93 -	154	399	87792	88037
UN34795	Rsa1.0.00842.1	558	62493	0	495	555	89 -	3	554	44587	45120
UN34796	Rsa1.0.02543.1	1262	30302	0	364	368	98 +	3	370	13886	14253
UN34797	Rsa1.0.00962.1	788	184909	1.00E-177	320	322	99 -	1	322	184057	184378
UN34798	Rsa1.0.03969.1	785	19797	0	782	784	99 +	1	783	16812	17595
UN34799	Rsa1.0.01892.1	1378	37526	0	522	543	96 -	16	554	26443	26985
UN34800	Rsa1.0.08225.1	1361	7695	0	687	712	96 +	3	714	4198	4907
UN34801	Rsa1.0.00595.1	1027	341648	4.00E-81	160	162	98 +	586	747	183872	184033
UN34802	Rsa1.0.00338.1	855	94109	2.00E-79	195	206	94 -	1	202	84867	85072
UN34803	Rsa1.0.00002.1	735	601661	8.00E-29	87	94	92 -	578	671	86289	86382
UN34804	Rsa1.0.14408.1	600	3423	1.00E-127	231	231	100 +	3	233	1424	1654
UN34805	Rsa1.0.03397.1	1249	23210	0	649	649	100 +	1	649	15901	16549
UN34806	Rsa1.0.00273.1	813	326186	4.00E-74	193	206	93 -	58	262	317824	318027
UN34807	Rsa1.0.04102.1	787	19048	1.00E-177	359	372	96 -	421	787	10842	11213
UN34808	Rsa1.0.00090.1	635	273859	1.00E-105	197	198	99 +	63	260	6183	6380
UN34809	Rsa1.0.02959.1	970	26441	2.00E-92	257	283	90 +	678	958	19731	20011
UN34810	Rsa1.0.00245.1	535	103569	0	343	349	98 -	1	348	58805	59153
UN34811	Rsa1.0.00335.1	756	94371	0	481	496	96 +	43	538	18628	19123
UN34812	Rsa1.0.00078.1	353	175053	1.00E-69	190	208	91 +	145	349	143317	143524
UN34813	Rsa1.0.00064.1	1106	240927	0	949	1011	93 -	103	1104	148644	149638
UN34814	Rsa1.0.02480.1	822	31036	2.00E-30	69	69	100 +	138	206	10054	10122
UN34815	Rsa1.0.05367.1	1008	14010	0	631	655	96 -	3	651	11771	12424
UN34816	Rsa1.0.14214.1	477	3656	3.00E-67	142	146	97 +	2	147	18	163
UN34817	Rsa1.0.64289.1	1022	357	0	348	357	97 +	372	728	1	357
UN34818	Rsa1.0.03133.1	1029	25135	1.00E-111	293	327	89 -	709	1016	21260	21586
UN34819	Rsa1.0.00807.1	160	63607	3.00E-62	150	156	96 +	4	159	16968	17119
UN34820	Rsa1.0.02692.1	345	28626	4.00E-97	310	347	89 +	12	345	20634	20972
UN34821	Rsa1.0.06607.1	773	10674	1.00E-125	243	248	97 -	295	542	6739	6986
UN34822	Rsa1.0.04800.1	1207	15926	0	546	550	99 +	658	1207	14477	15026
UN34823	Rsa1.0.01749.1	1067	39822	0	1009	1062	95 +	3	1063	25508	26560
UN34824	Rsa1.0.00270.1	899	101236	1.00E-155	311	322	96 +	3	324	17931	18252
UN34825	Rsa1.0.14063.1	773	3852	1.00E-134	268	275	97 +	499	773	2623	2896

UN34826	Rsa1.0.07397.1	1199	9464	0	513	564	90 +	242	802	1540	2076
UN34827	Rsa1.0.00446.1	811	167829	0	713	776	91 +	2	757	134768	135541
UN34828	Rsa1.0.03015.1	790	26006	0	786	791	99 +	1	790	4934	5724
UN34829	Rsa1.0.02169.1	718	34367	0	379	393	96 -	15	407	31821	32213
UN34830	Rsa1.0.02387.1	785	31890	5.00E-52	108	109	99 -	558	666	25883	25991
UN34831	Rsa1.0.01487.1	844	44784	0	441	463	95 -	1	460	2584	3042
UN34832	Rsa1.0.06262.1	884	11362	1.00E-129	276	289	95 -	604	884	2661	2949
UN34833	Rsa1.0.16646.1	695	2080	1.00E-161	291	292	99 +	110	401	58	349
UN34834	Rsa1.0.00300.1	1147	97747	1.00E-101	191	192	99 -	1	192	55614	55805
UN34835	Rsa1.0.00919.1	604	59675	2.00E-32	156	184	84 +	73	256	33460	33643
UN34836	Rsa1.0.00136.1	1178	122464	1.00E-115	220	223	98 +	3	225	78848	79070
UN34837	Rsa1.0.00295.1	1207	152597	0	1154	1208	95 -	2	1207	149955	151162
UN34838	Rsa1.0.01133.1	264	52916	1.00E-124	250	258	96 -	3	260	6201	6458
UN34839	Rsa1.0.00195.1	713	251884	6.00E-79	209	227	92 +	299	520	44579	44805
UN34840	Rsa1.0.00818.1	779	62939	8.00E-94	243	266	91 -	234	493	53239	53504
UN34841	Rsa1.0.01774.1	920	39528	0	432	449	96 +	473	920	20267	20715
UN34842	Rsa1.0.06138.1	755	11651	1.00E-170	306	307	99 +	1	307	8612	8918
UN34843	Rsa1.0.00043.1	974	264937	0	542	549	98 -	108	655	229692	230240
UN34844	Rsa1.0.00150.1	806	154416	1.00E-127	243	247	98 -	263	509	153180	153426
UN34845	Rsa1.0.00182.1	920	142305	0	375	381	98 -	74	454	120382	120762
UN34846	Rsa1.0.01306.1	922	48720	0	661	679	97 +	4	682	3062	3740
UN34847	Rsa1.0.00116.1	330	365886	1.00E-110	211	214	98 -	115	328	189122	189335
UN34848	Rsa1.0.01624.1	539	42064	1.00E-125	307	335	91 -	60	384	5012	5346
UN34849	Rsa1.0.01098.1	760	54215	0	644	676	95 +	78	752	32171	32831
UN34850	Rsa1.0.27763.1	655	840	0	637	672	94 -	3	654	137	806
UN34851	Rsa1.0.04034.1	1085	19481	0	698	724	96 -	4	727	8963	9680
UN34852	Rsa1.0.52498.1	811	434	0	352	356	98 +	456	811	1	356
UN34853	Rsa1.0.01803.1	1251	173846	1.00E-144	275	280	98 -	637	916	21881	22160
UN34854	Rsa1.0.02030.1	1204	179909	1.00E-115	226	231	97 -	803	1033	30369	30599
UN34855	Rsa1.0.04817.1	578	15869	0	347	348	99 -	229	576	10175	10522
UN34856	Rsa1.0.00576.1	642	178949	1.00E-110	234	242	96 +	403	642	160143	160383
UN34857	Rsa1.0.64134.1	723	357	1.00E-134	254	258	98 -	246	503	1	258
UN34858	Rsa1.0.00016.1	1045	831256	1.00E-110	295	322	91 +	417	724	57626	57943
UN34859	Rsa1.0.00455.1	725	224823	0	394	406	97 +	3	408	218614	219019
UN34860	Rsa1.0.34373.1	936	658	1.00E-151	286	291	98 -	646	936	106	396
UN34861	Rsa1.0.05036.1	859	15058	0	350	354	98 +	350	702	10089	10442
UN34862	Rsa1.0.04913.1	1008	15464	1.00E-129	670	815	82 +	2	816	14376	15190
UN34863	Rsa1.0.01296.1	675	49035	0	671	677	99 +	2	675	32398	33074
UN34864	Rsa1.0.09910.1	1114	6093	0	417	422	98 +	693	1114	3130	3551

UN34865	Rsa1.0_02693.1	525	28617	4.00E-64	156	165	94 -	354	518	1832	1995
UN34866	Rsa1.0_15458.1	889	2591	0	660	692	95 -	33	719	1828	2518
UN34867	Rsa1.0_02840.1	759	27386	4.00E-68	248	286	86 -	377	662	7406	7688
UN34868	Rsa1.0_00002.1	1371	601661	0	429	451	95 +	8	454	124242	124691
UN34869	Rsa1.0_00223.1	837	106231	0	415	429	96 +	1	421	65942	66368
UN34870	Rsa1.0_00030.1	977	250988	1.00E-129	261	268	97 +	711	977	140611	140875
UN34871	Rsa1.0_00730.1	704	66673	1.00E-143	260	261	99 -	167	427	23940	24200
UN34872	Rsa1.0_00087.1	964	761073	0	949	963	98 +	2	964	553977	554939
UN34873	Rsa1.0_08327.1	1202	7534	1.00E-126	229	229	100 +	974	1202	2397	2625
UN34874	Rsa1.0_01351.1	1011	47498	2.00E-70	305	357	85 -	627	966	23456	23807
UN34875	Rsa1.0_03588.1	749	21908	2.33E-156	275	279	98 -	1	279	1951	2229
UN34876	Rsa1.0_03238.1	1564	24432	0	667	742	89 +	231	933	3749	4484
UN34877	Rsa1.0_00525.1	898	78030	1.00E-122	300	320	93 -	41	358	33334	33647
UN34878	Rsa1.0_05130.1	1120	14758	0	690	709	97 -	309	1017	14050	14758
UN34879	Rsa1.0_01851.1	1008	38275	1.00E-168	390	416	93 -	593	1007	32711	33124
UN34880	Rsa1.0_01059.1	1148	55410	1.00E-158	342	361	94 -	89	449	14838	15195
UN34881	Rsa1.0_00705.1	786	67505	1.00E-140	306	319	95 -	470	786	17711	18025
UN34882	Rsa1.0_15268.1	918	2720	0	911	912	99 +	3	914	814	1725
UN34883	Rsa1.0_00510.1	213	78718	5.00E-98	200	205	97 +	1	204	37807	38011
UN34884	Rsa1.0_05787.1	1244	12625	1.00E-151	302	310	97 -	900	1209	975	1281
UN34885	Rsa1.0_00777.1	933	191865	0	559	571	97 +	363	933	142685	143254
UN34886	Rsa1.0_03264.1	276	145959	1.00E-117	266	283	93 -	1	276	137248	137528
UN34887	Rsa1.0_10447.1	663	5848	4.00E-86	201	213	94 -	1	206	4589	4801
UN34888	Rsa1.0_02478.1	1077	150183	0	1011	1080	93 +	2	1077	24947	26016
UN34889	Rsa1.0_00192.1	845	278200	0	770	809	95 -	37	845	249670	250474
UN34890	Rsa1.0_03249.1	801	146254	1.00E-170	431	468	92 +	1	461	141663	142124
UN34891	Rsa1.0_00217.1	682	107079	0	518	526	98 +	1	523	85935	86460
UN34892	Rsa1.0_00414.1	774	202190	0	496	537	92 +	255	773	187714	188241
UN34893	Rsa1.0_00720.1	1006	66931	0	473	502	94 +	363	863	47729	48224
UN34894	Rsa1.0_01247.1	349	49934	7.00E-74	204	222	91 -	6	218	4471	4690
UN34895	Rsa1.0_00178.1	886	114861	1.00E-126	272	285	95 -	2	286	89738	90021
UN34896	Rsa1.0_00352.1	742	92266	0	653	677	96 -	19	690	23135	23810
UN34897	Rsa1.0_01340.1	1127	47805	0	629	663	94 +	151	809	40453	41112
UN34898	Rsa1.0_06019.1	468	11916	0	461	466	98 +	1	466	10141	10606
UN34899	Rsa1.0_00684.1	905	141701	0	644	672	95 +	1	669	41587	42258
UN34900	Rsa1.0_00082.1	936	237584	0	702	729	96 -	208	936	518	1246
UN34901	Rsa1.0_00056.1	1102	332604	1.00E-164	315	322	97 -	772	1093	214231	214552
UN34902	Rsa1.0_02648.1	939	29073	1.00E-177	402	429	93 +	412	837	11052	11474
UN34903	Rsa1.0_10967.1	766	5661	1.00E-105	272	292	93 +	475	764	696	982

UN34904	Rsa1.0.00093.1	927	214962	0	434	454	95 +	473	926	208468	208912
UN34905	Rsa1.0.03997.1	731	19652	1.00E-131	311	333	93 +	3	332	4494	4822
UN34906	Rsa1.0.02948.1	1120	26526	1.00E-116	249	259	96 +	1	259	6942	7196
UN34907	Rsa1.0.00111.1	515	390088	1.00E-131	259	266	97 +	249	514	137314	137579
UN34908	Rsa1.0.02932.1	475	26647	0	415	428	96 +	35	460	17720	18144
UN34909	Rsa1.0.01033.1	813	56173	0	781	812	96 -	1	808	6295	7106
UN34910	Rsa1.0.00229.1	705	105471	0	664	701	94 +	13	703	51514	52212
UN34911	Rsa1.0.00451.1	962	322533	2.00E-33	110	122	90 +	839	960	309419	309540
UN34912	Rsa1.0.07259.1	484	9650	1.00E-178	347	356	97 +	10	364	1477	1832
UN34913	Rsa1.0.04250.1	982	18264	0	769	842	91 -	6	844	715	1534
UN34914	Rsa1.0.00055.1	517	520193	2.00E-25	104	118	88 -	39	153	94677	94794
UN34915	Rsa1.0.01591.1	780	42718	0	734	779	94 +	2	780	25286	26061
UN34916	Rsa1.0.04288.1	637	18077	0	519	539	96 -	97	632	6587	7114
UN34917	Rsa1.0.00240.1	664	104175	1.00E-36	99	105	94 +	160	264	82763	82864
UN34918	Rsa1.0.02222.1	831	152798	0	470	494	95 +	337	829	130048	130536
UN34919	Rsa1.0.00211.1	614	228189	0	349	356	98 -	190	545	132176	132531
UN34920	Rsa1.0.00126.1	883	127534	1.00E-135	302	322	93 +	527	840	405	726
UN34921	Rsa1.0.31794.1	574	718	3.00E-80	158	160	98 +	110	269	430	589
UN34922	Rsa1.0.00238.1	745	193193	0	362	363	99 +	324	686	45025	45387
UN34923	Rsa1.0.00025.1	625	277312	0	380	389	97 -	238	625	60257	60645
UN34924	Rsa1.0.09643.1	941	6237	2.00E-55	192	215	89 +	35	246	2628	2842
UN34925	Rsa1.0.02777.1	1026	27986	3.00E-91	180	183	98 +	367	549	26183	26365
UN34926	Rsa1.0.03310.1	850	23851	1.00E-138	264	269	98 +	2	270	8060	8328
UN34927	Rsa1.0.00207.1	487	248736	1.00E-167	373	396	94 +	31	426	196532	196923
UN34928	Rsa1.0.00269.1	599	341668	0	416	420	99 +	178	597	179253	179672
UN34929	Rsa1.0.01796.1	533	39154	0	369	373	98 -	3	375	1	373
UN34930	Rsa1.0.00019.1	480	301669	1.00E-155	370	395	93 +	91	480	295024	295415
UN34931	Rsa1.0.02125.1	804	34775	0	388	394	98 +	2	395	14876	15269
UN34932	Rsa1.0.00286.1	558	98709	0	481	512	93 +	3	512	7816	8323
UN34933	Rsa1.0.00757.1	580	65559	0	505	525	96 +	1	518	9563	10087
UN34934	Rsa1.0.02129.1	1200	34757	1.00E-174	346	358	96 -	843	1200	32524	32881
UN34935	Rsa1.0.02274.1	826	33109	1.00E-107	232	241	96 -	586	824	23755	23994
UN34936	Rsa1.0.03885.1	906	20256	0	756	786	96 -	2	786	18063	18845
UN34937	Rsa1.0.22945.1	536	1082	2.00E-99	237	252	94 +	286	536	813	1063
UN34938	Rsa1.0.00457.1	1128	337301	0	492	532	92 +	174	702	306499	307027
UN34939	Rsa1.0.05140.1	995	14710	0	483	523	92 +	478	995	5142	5641
UN34940	Rsa1.0.02788.1	1101	27852	1.00E-151	350	374	93 +	2	373	18296	18668
UN34941	Rsa1.0.00030.1	492	250988	1.00E-42	104	109	95 -	137	245	243054	243162
UN34942	Rsa1.0.00556.1	790	207212	0	556	579	96 +	3	581	149331	149907

UN34943	Rsa1.0_00229.1	662	105471	0	632	655	96 +	3	657	71237	71884
UN34944	Rsa1.0_04681.1	256	16428	3.00E-81	217	237	91 -	2	238	12304	12539
UN34945	#	#	#	#	#	#	#	#	#	#	#
UN34946	Rsa1.0_00003.1	970	340054	0	491	497	98 -	2	498	272616	273112
UN34947	Rsa1.0_00203.1	537	109129	1.00E-120	246	255	96 -	283	537	79789	80043
UN34948	Rsa1.0_00546.1	821	76523	2.00E-69	161	169	95 -	655	821	5412	5580
UN34949	Rsa1.0_00727.1	1327	66724	1.00E-130	273	285	95 +	3	287	16646	16925
UN34950	Rsa1.0_01451.1	759	45459	1.00E-101	257	276	93 +	485	754	40809	41083
UN34951	Rsa1.0_10475.1	750	5834	1.00E-118	246	256	96 +	453	708	113	368
UN34952	Rsa1.0_00008.1	1051	358124	0	754	774	97 -	281	1051	47574	48344
UN34953	Rsa1.0_01390.1	396	46695	2.00E-93	266	292	91 -	1	285	39386	39673
UN34954	Rsa1.0_00958.1	1050	58243	0	780	804	97 -	1	804	15390	16193
UN34955	Rsa1.0_01172.1	688	51734	0	662	692	95 -	2	681	44705	45392
UN34956	Rsa1.0_12849.1	533	5099	0	500	531	94 -	3	533	4323	4852
UN34957	Rsa1.0_01962.1	447	153412	1.00E-109	201	201	100 +	244	444	141553	141753
UN34958	Rsa1.0_00089.1	610	406142	0	535	569	94 -	18	583	155534	156098
UN34959	Rsa1.0_00653.1	720	70029	7.00E-91	176	178	98 +	543	720	58546	58723
UN34960	Rsa1.0_04088.1	779	19150	1.00E-108	200	200	100 +	416	615	16409	16608
UN34961	Rsa1.0_00340.1	672	305782	1.00E-102	216	225	96 -	438	662	283997	284221
UN34962	Rsa1.0_00019.1	1243	301669	0	643	670	95 +	100	766	276892	277557
UN34963	Rsa1.0_01010.1	1079	56906	0	501	501	100 +	1	501	12357	12857
UN34964	Rsa1.0_31903.1	652	715	3.00E-31	106	118	89 +	46	163	63	180
UN34965	Rsa1.0_09664.1	759	6225	0	517	531	97 -	214	742	2289	2817
UN34966	Rsa1.0_04456.1	878	17260	1.00E-68	358	437	81 +	298	708	8880	9305
UN34967	Rsa1.0_00451.1	637	322533	0	607	634	95 -	6	637	153102	153732
UN34968	Rsa1.0_02331.1	1100	32449	4.00E-75	197	213	92 +	773	985	10694	10901
UN34969	Rsa1.0_00730.1	786	66673	0	419	427	98 +	360	786	50886	51312
UN34970	Rsa1.0_00353.1	703	92242	1.00E-154	306	316	96 -	221	536	6529	6844
UN34971	Rsa1.0_00919.1	384	59675	1.00E-153	274	274	100 +	3	276	50357	50630
UN34972	Rsa1.0_03229.1	968	24470	1.00E-130	261	268	97 +	640	906	15434	15701
UN34973	Rsa1.0_01889.1	995	37562	0	990	994	99 +	3	995	5832	6825
UN34974	Rsa1.0_00119.1	988	467509	0	615	652	94 +	51	697	3266	3915
UN34975	Rsa1.0_00108.1	1088	478491	0	551	576	95 -	13	582	77201	77775
UN34976	Rsa1.0_01286.1	792	49209	0	408	416	98 -	377	792	8856	9271
UN34977	Rsa1.0_19625.1	573	1406	0	477	500	95 -	2	495	1	490
UN34978	Rsa1.0_00089.1	1031	406142	0	640	672	95 -	165	835	133317	133983
UN34979	Rsa1.0_00301.1	632	365315	0	608	633	96 -	2	632	85694	86323
UN34980	Rsa1.0_06859.1	894	10248	0	706	711	99 -	184	894	2949	3659
UN34981	Rsa1.0_02996.1	1065	26152	0	452	470	96 -	2	465	21663	22132

UN34982	Rsa1.0.28730.1	847	805	1.00E-150	291	298	97 +	251	548	395	692
UN34983	Rsa1.0.03471.1	1279	22678	0	879	917	95 -	3	916	498	1414
UN34984	Rsa1.0.08237.1	846	7677	0	462	480	96 +	2	478	4196	4672
UN34985	Rsa1.0.22363.1	722	1127	2.00E-88	180	184	97 +	418	598	747	930
UN34986	Rsa1.0_01913.1	566	37363	0	364	378	96 +	149	526	4208	4585
UN34987	Rsa1.0_00563.1	862	75491	2.00E-73	180	191	94 -	637	823	71008	71198
UN34988	Rsa1.0.00225.1	959	105892	6.00E-18	79	88	89 -	44	130	82637	82724
UN34989	Rsa1.0.00399.1	683	242951	0	431	444	97 -	241	683	215486	215929
UN34990	Rsa1.0.01112.1	1315	310601	0	1275	1309	97 -	10	1315	163854	165162
UN34991	Rsa1.0.03477.1	272	22635	2.00E-95	256	284	90 -	3	271	8472	8755
UN34992	Rsa1.0.00722.1	784	66840	0	672	705	95 -	3	697	14010	14708
UN34993	Rsa1.0.03634.1	863	145192	2.00E-45	133	146	91 +	43	188	18295	18440
UN34994	Rsa1.0.04071.1	701	19243	1.00E-177	337	343	98 +	10	351	1244	1586
UN34995	Rsa1.0.00154.1	491	189461	0	469	490	95 +	5	491	122819	123295
UN34996	Rsa1.0.00237.1	720	235974	0	524	550	95 -	173	717	531	1071
UN34997	Rsa1.0.03209.1	1155	24592	0	423	451	93 +	78	523	5261	5708
UN34998	Rsa1.0.01771.1	746	172709	1.00E-177	445	485	91 -	267	746	29068	29532
UN34999	Rsa1.0.00123.1	871	325650	1.00E-154	357	382	93 -	2	382	213753	214131
UN35000	Rsa1.0.00040.1	527	324196	1.00E-141	391	427	91 +	97	515	184448	184866
UN35001	Rsa1.0.00096.1	1141	198773	0	1107	1141	97 +	1	1141	97483	98617
UN35002	Rsa1.0.00055.1	999	520193	1.00E-125	313	339	92 +	669	997	54618	54953
UN35003	Rsa1.0.02349.1	407	32312	1.00E-117	344	382	90 +	29	407	15606	15971
UN35004	Rsa1.0.01729.1	737	304246	0	688	751	91 -	1	737	273700	274427
UN35005	Rsa1.0.05762.1	728	12715	1.00E-30	105	117	89 +	550	666	9942	10058
UN35006	Rsa1.0.00016.1	1005	831256	1.00E-129	287	303	94 +	661	962	224992	225294
UN35007	Rsa1.0.03623.1	1216	21714	0	435	446	97 +	771	1216	11223	11667
UN35008	Rsa1.0.00223.1	1001	106231	0	954	1000	95 -	3	1001	67262	68261
UN35009	Rsa1.0.00628.1	837	214360	1.00E-137	257	260	98 +	5	264	17127	17386
UN35010	Rsa1.0.02236.1	719	33558	1.00E-134	275	286	96 +	139	424	11986	12271
UN35011	Rsa1.0.01216.1	526	50580	0	446	457	97 +	6	460	15449	15904
UN35012	Rsa1.0.02366.1	688	32110	1.00E-112	208	209	99 +	3	211	15557	15765
UN35013	Rsa1.0.00027.1	810	283362	1.00E-160	326	339	96 +	1	339	151081	151419
UN35014	Rsa1.0.02079.1	574	35306	7.00E-69	302	362	83 -	43	378	8553	8914
UN35015	Rsa1.0.00161.1	925	116891	1.00E-143	323	348	92 +	3	348	114174	114503
UN35016	Rsa1.0.00124.1	1117	262503	0	573	574	99 +	2	575	208616	209189
UN35017	Rsa1.0.00013.1	758	292129	0	735	763	96 +	2	757	177501	178263
UN35018	Rsa1.0.00015.1	938	561803	0	898	940	95 +	1	936	443550	444487
UN35019	Rsa1.0.05920.1	800	12239	1.00E-74	192	209	91 +	169	374	4367	4566
UN35020	Rsa1.0.00641.1	733	208241	7.00E-48	172	194	88 -	435	627	205289	205481

UN35021	Rsa1.0.01222.1	758	50398	0	407	427	95 -	4	430	35308	35732
UN35022	Rsa1.0.02554.1	982	30187	0	610	622	98 +	363	982	14168	14787
UN35023	Rsa1.0.01249.1	1385	188432	0	1326	1381	96 +	5	1385	34958	36335
UN35024	Rsa1.0.02374.1	679	32043	0	590	614	96 +	37	648	24262	24875
UN35025	Rsa1.0.00575.1	843	74791	1.00E-18	100	115	86 +	3	116	7322	7433
UN35026	Rsa1.0.01277.1	963	49375	0	381	386	98 -	3	388	15881	16266
UN35027	Rsa1.0.07997.1	534	8106	0	427	429	99 +	104	532	3263	3691
UN35028	Rsa1.0.06656.1	1018	10589	0	667	671	99 +	349	1018	6002	6671
UN35029	Rsa1.0.01237.1	802	50124	0	630	708	88 -	107	796	25834	26536
UN35030	Rsa1.0.00859.1	813	61795	0	576	578	99 +	236	813	39088	39665
UN35031	Rsa1.0.19481.1	758	1426	0	382	395	96 -	9	403	943	1337
UN35032	Rsa1.0.04507.1	872	17045	0	330	330	100 -	1	330	10820	11149
UN35033	Rsa1.0.01199.1	701	163576	0	453	481	94 -	1	476	128641	129121
UN35034	Rsa1.0.00079.1	592	606987	1.00E-160	304	309	98 -	282	590	574434	574740
UN35035	Rsa1.0.00556.1	740	207212	0	528	570	92 -	178	738	38005	38572
UN35036	Rsa1.0.08729.1	1053	6994	0	510	532	95 -	2	533	4896	5427
UN35037	Rsa1.0.06323.1	593	11236	0	434	441	98 +	2	442	9613	10053
UN35038	Rsa1.0.00309.1	710	96883	0	699	713	98 -	1	710	55572	56278
UN35039	Rsa1.0.11285.1	461	5556	0	437	465	93 +	3	461	2528	2992
UN35040	Rsa1.0.03237.1	875	24434	0	705	751	93 +	126	875	1749	2491
UN35041	Rsa1.0.05310.1	1210	14192	0	560	586	95 +	5	590	1896	2472
UN35042	Rsa1.0.00049.1	834	167018	0	416	420	99 +	415	834	45113	45532
UN35043	Rsa1.0.01632.1	967	181224	0	420	445	94 +	199	634	178773	179217
UN35044	Rsa1.0.04402.1	724	17511	0	517	530	97 +	1	530	16262	16788
UN35045	Rsa1.0.01904.1	664	37450	0	504	536	94 +	1	528	3170	3702
UN35046	Rsa1.0.00512.1	876	200277	0	422	424	99 +	302	725	35086	35509
UN35047	Rsa1.0.00067.1	799	415055	1.00E-153	289	294	98 +	264	557	391818	392111
UN35048	Rsa1.0.02024.1	697	149168	1.00E-169	301	301	100 -	1	301	138065	138365
UN35049	Rsa1.0.00131.1	645	432233	1.00E-118	224	227	98 -	61	287	197558	197784
UN35050	Rsa1.0.01563.1	706	170823	0	686	713	96 -	1	705	41501	42212
UN35051	Rsa1.0.01175.1	693	51674	3.00E-90	178	181	98 -	176	356	37972	38152
UN35052	Rsa1.0.02253.1	807	33356	1.00E-148	278	282	98 -	526	807	31137	31418
UN35053	Rsa1.0.01029.1	678	256254	1.00E-115	265	281	94 +	401	678	144670	144950
UN35054	Rsa1.0.05041.1	941	15053	0	559	565	98 -	105	669	13738	14302
UN35055	Rsa1.0.00699.1	909	184398	0	620	665	93 -	263	909	31007	31666
UN35056	Rsa1.0.00718.1	1109	279335	2.33E-156	277	281	98 +	829	1109	13813	14090
UN35057	Rsa1.0.01309.1	1052	48556	0	639	677	94 -	300	975	45719	46386
UN35058	Rsa1.0.03011.1	721	26048	0	401	417	96 -	310	720	8634	9048
UN35059	Rsa1.0.00125.1	744	253043	8.00E-57	252	297	84 +	79	364	6897	7193

UN35060	Rsa1.0.01103.1	961	53974	0	379	387	97 -	565	951	44918	45304
UN35061	Rsa1.0.02084.1	595	35205	1.00E-101	471	562	83 -	5	566	34049	34606
UN35062	Rsa1.0.00104.1	733	368722	1.00E-156	341	357	95 +	3	353	242489	242844
UN35063	Rsa1.0.00162.1	826	239935	0	566	592	95 -	236	821	84185	84775
UN35064	Rsa1.0.00180.1	573	114581	0	541	583	92 +	2	572	100342	100919
UN35065	Rsa1.0.07569.1	632	9106	1.00E-174	367	386	95 -	177	559	4562	4941
UN35066	Rsa1.0.00645.1	1028	189716	0	510	522	97 -	507	1028	174252	174773
UN35067	Rsa1.0.01100.1	804	54113	0	724	789	91 +	9	797	37227	38003
UN35068	Rsa1.0.05024.1	870	15105	0	509	523	97 -	1	523	12481	13003
UN35069	Rsa1.0.03312.1	911	23841	0	411	411	100 -	445	855	3882	4292
UN35070	Rsa1.0.00129.1	1100	126831	0	334	337	99 +	763	1099	88631	88967
UN35071	Rsa1.0.00347.1	975	93048	0	921	948	97 -	34	975	58881	59823
UN35072	Rsa1.0.00012.1	600	222148	0	435	448	97 +	152	598	175262	175709
UN35073	Rsa1.0.00583.1	1143	74309	0	571	597	95 -	1	588	2938	3532
UN35074	Rsa1.0.02379.1	617	150705	0	416	430	96 +	186	615	138122	138551
UN35075	Rsa1.0.00476.1	734	280966	0	657	666	98 +	1	666	215728	216390
UN35076	Rsa1.0.04881.1	809	15608	0	711	767	92 -	3	756	6872	7637
UN35077	Rsa1.0.01461.1	500	45240	0	482	515	93 +	1	500	2655	3165
UN35078	Rsa1.0.02004.1	952	169138	1.00E-62	216	246	87 -	41	285	26174	26408
UN35079	Rsa1.0.00265.1	746	220635	0	497	499	99 -	248	746	181744	182242
UN35080	Rsa1.0.03946.1	714	19912	0	549	592	92 +	135	713	16589	17173
UN35081	Rsa1.0.00042.1	513	171507	0	342	347	98 +	1	347	79538	79884
UN35082	Rsa1.0.02411.1	635	31655	1.00E-45	128	138	92 +	498	635	8406	8542
UN35083	Rsa1.0.00626.1	748	71582	1.00E-144	355	387	91 +	58	444	67981	68367
UN35084	Rsa1.0.00237.1	657	235974	0	619	650	95 -	3	651	170815	171455
UN35085	Rsa1.0.00703.1	357	67597	1.00E-109	242	256	94 -	83	338	27511	27766
UN35086	#	#	#	#	#	#	#	#	#	#	#
UN35087	Rsa1.0.73658.1	514	311	1.00E-100	226	237	95 +	60	295	76	311
UN35088	Rsa1.0.22382.1	876	1126	0	499	501	99 +	345	845	626	1126
UN35089	Rsa1.0.00469.1	595	82084	1.00E-165	294	294	100 +	3	296	62303	62596
UN35090	Rsa1.0.00302.1	712	97521	0	674	722	93 +	4	705	76400	77110
UN35091	Rsa1.0.07317.1	725	9562	0	513	513	100 -	108	620	4497	5009
UN35092	Rsa1.0.25140.1	507	950	5.00E-88	177	181	97 -	3	183	230	410
UN35093	Rsa1.0.00092.1	761	659932	0	492	518	94 +	245	761	238328	238832
UN35094	Rsa1.0.00910.1	1223	59975	0	1073	1100	97 -	130	1223	36141	37238
UN35095	Rsa1.0.00751.1	569	65759	0	361	364	99 -	206	569	33521	33884
UN35096	Rsa1.0.00047.1	1111	168582	0	1008	1035	97 -	1	1028	154406	155440
UN35097	Rsa1.0.01225.1	882	50381	0	867	881	98 +	2	882	18180	19059
UN35098	Rsa1.0.00062.1	1075	299291	1.00E-125	254	262	96 -	13	271	261493	261754

UN35099	Rsa1.0.02220.1	662	176031	0	652	662	98 +	1	662	161625	162286
UN35100	Rsa1.0.02977.1	647	26313	0	625	651	96 +	3	647	12009	12659
UN35101	Rsa1.0.01667.1	743	41315	1.00E-110	202	202	100 -	446	647	36356	36557
UN35102	Rsa1.0.00636.1	196	71113	1.00E-92	191	196	97 +	1	196	34052	34246
UN35103	Rsa1.0.01695.1	713	40848	0	687	709	96 +	3	710	13144	13844
UN35104	Rsa1.0.18389.1	1346	1608	0	1086	1121	96 -	3	1120	1	1120
UN35105	Rsa1.0.00218.1	989	201480	1.00E-157	288	290	99 +	700	989	9090	9379
UN35106	Rsa1.0.07281.1	504	9624	0	472	503	93 -	2	504	8315	8813
UN35107	Rsa1.0.00378.1	967	89892	0	666	692	96 +	4	693	75742	76433
UN35108	Rsa1.0.01435.1	813	45942	4.00E-74	203	222	91 -	180	401	44559	44779
UN35109	Rsa1.0.00247.1	1056	103408	0	584	623	93 -	438	1039	49595	50217
UN35110	Rsa1.0.00250.1	780	273771	0	749	795	94 +	2	780	249776	250564
UN35111	Rsa1.0.00492.1	691	80178	1.00E-89	225	239	94 +	450	687	15219	15453
UN35112	Rsa1.0.03391.1	513	23251	0	470	494	95 -	2	492	5433	5920
UN35113	Rsa1.0.00777.1	564	191865	0	558	563	99 +	2	564	20756	21317
UN35114	Rsa1.0.00556.1	889	207212	0	338	338	100 +	552	889	144846	145183
UN35115	Rsa1.0.00034.1	827	260119	0	745	764	97 +	65	827	76197	76960
UN35116	Rsa1.0.01214.1	858	50599	1.00E-177	441	483	91 -	264	746	9509	9991
UN35117	Rsa1.0.03208.1	708	24599	0	389	407	95 +	302	708	20964	21360
UN35118	Rsa1.0.00067.1	1391	415055	0	342	346	98 -	1045	1388	138327	138672
UN35119	Rsa1.0.19811.1	642	1380	0	623	643	96 -	2	640	483	1124
UN35120	Rsa1.0.00380.1	883	89748	0	517	548	94 -	322	866	22265	22793
UN35121	Rsa1.0.00165.1	852	116466	4.00E-62	137	142	96 +	2	143	58274	58415
UN35122	Rsa1.0.00617.1	838	72199	0	759	795	95 +	44	838	56213	56985
UN35123	Rsa1.0.00743.1	803	177459	0	491	549	89 +	5	544	173909	174433
UN35124	Rsa1.0.00342.1	1022	93695	1.00E-173	312	313	99 -	660	972	4030	4342
UN35125	Rsa1.0.06064.1	1032	11832	0	614	643	95 -	411	1032	8039	8680
UN35126	Rsa1.0.00642.1	875	201230	0	755	810	93 +	5	812	2278	3070
UN35127	Rsa1.0.00472.1	1093	398134	0	1034	1056	97 +	2	1053	330551	331605
UN35128	Rsa1.0.08380.1	914	7446	1.00E-103	203	207	98 -	278	484	1425	1631
UN35129	Rsa1.0.01760.1	999	39730	0	813	866	93 -	136	999	21514	22353
UN35130	Rsa1.0.01188.1	502	51362	5.00E-57	113	113	100 -	327	439	37068	37180
UN35131	Rsa1.0.00215.1	533	201775	1.00E-117	270	294	91 +	240	533	80326	80598
UN35132	Rsa1.0.01624.1	701	42064	1.00E-162	310	317	97 +	385	701	3604	3920
UN35133	Rsa1.0.06092.1	888	11756	0	586	592	98 +	1	592	49	640
UN35134	Rsa1.0.00744.1	830	66084	0	733	766	95 -	1	764	59940	60704
UN35135	Rsa1.0.02895.1	622	26979	0	331	334	99 +	289	622	25683	26016
UN35136	Rsa1.0.00383.1	1049	398431	0	712	779	91 -	6	746	4319	5090
UN35137	Rsa1.0.00930.1	691	59224	1.00E-129	371	412	90 -	304	691	45048	45457

UN35138	Rsa1.0.02199.1	933	33982	0	427	447	95 -	493	932	29542	29984
UN35139	Rsa1.0.00193.1	974	194198	0	414	418	99 -	2	419	107804	108221
UN35140	Rsa1.0.02593.1	367	29744	1.00E-108	247	261	94 -	114	367	4397	4656
UN35141	Rsa1.0.01671.1	1137	41243	0	1024	1128	90 +	2	1125	19606	20732
UN35142	Rsa1.0.00176.1	420	240984	0	419	419	100 -	2	420	134493	134911
UN35143	Rsa1.0.01249.1	595	188432	1.00E-176	342	349	97 +	249	595	38609	38957
UN35144	Rsa1.0.00803.1	795	144228	0	733	784	93 +	2	776	30922	31693
UN35145	Rsa1.0.00173.1	1098	288743	1.00E-114	470	553	84 -	2	534	44125	44664
UN35146	Rsa1.0.01008.1	870	56924	2.00E-17	87	99	87 +	292	389	45932	46030
UN35147	Rsa1.0.05217.1	764	142938	0	508	537	94 +	230	764	138531	139061
UN35148	Rsa1.0.01047.1	911	55705	0	580	605	95 -	3	606	14824	15426
UN35149	Rsa1.0.00971.1	625	57973	0	396	410	96 -	220	625	21952	22361
UN35150	Rsa1.0.01594.1	957	42612	0	927	968	95 +	3	956	2602	3559
UN35151	#	#	#	#	#	#	#	#	#	#	#
UN35152	Rsa1.0.02141.1	785	34677	0	772	787	98 -	3	785	24911	25697
UN35153	Rsa1.0.01172.1	1074	51734	0	787	818	96 -	263	1074	21596	22400
UN35154	Rsa1.0.00104.1	724	368722	1.00E-159	320	332	96 -	1	332	239982	240313
UN35155	Rsa1.0.01681.1	1264	41092	0	415	416	99 -	410	825	19352	19767
UN35156	Rsa1.0.00026.1	589	327835	1.00E-160	319	329	96 -	3	329	253028	253356
UN35157	Rsa1.0.05083.1	768	14893	0	762	764	99 -	3	766	9130	9893
UN35158	Rsa1.0.00473.1	923	212204	1.00E-158	325	339	95 +	4	342	80359	80697
UN35159	Rsa1.0.00166.1	497	240912	0	466	509	91 +	2	497	219855	220352
UN35160	Rsa1.0.01931.1	891	37187	1.00E-131	272	282	96 -	398	679	3374	3650
UN35161	Rsa1.0.00046.1	752	320315	1.00E-172	335	342	97 -	413	751	93947	94288
UN35162	Rsa1.0.01466.1	429	45161	0	426	428	99 +	1	428	42346	42773
UN35163	Rsa1.0.00182.1	987	142305	0	974	984	98 +	2	985	123219	124202
UN35164	Rsa1.0.00069.1	860	403561	0	567	603	94 +	30	609	14364	14966
UN35165	Rsa1.0.26100.1	702	906	0	445	464	95 -	235	698	184	647
UN35166	Rsa1.0.00389.1	842	88795	0	816	859	94 -	2	836	43809	44666
UN35167	Rsa1.0.30269.1	875	759	0	496	496	100 -	380	875	251	746
UN35168	Rsa1.0.00839.1	1223	62533	0	989	1059	93 +	33	1090	23250	24292
UN35169	Rsa1.0.02302.1	915	32823	6.00E-98	215	226	95 +	690	915	12865	13090
UN35170	Rsa1.0.00556.1	278	207212	1.00E-145	273	277	98 -	2	278	133204	133480
UN35171	Rsa1.0.02835.1	563	27491	0	556	565	98 -	3	563	23771	24335
UN35172	Rsa1.0.00880.1	733	61271	0	600	658	91 -	2	640	26231	26888
UN35173	Rsa1.0.03594.1	910	21868	1.00E-126	256	265	96 -	57	321	21398	21662
UN35174	Rsa1.0.13636.1	934	4601	0	389	404	96 +	58	461	815	1218
UN35175	Rsa1.0.02914.1	778	26815	0	524	543	96 +	2	544	20864	21406
UN35176	Rsa1.0.46257.1	1019	488	1.00E-119	239	245	97 -	195	437	1	245

UN35177	Rsa1.0.00043.1	858	264937	0	829	864	95 -	1	849	7342	8202
UN35178	Rsa1.0.00730.1	1193	66673	0	612	631	96 -	392	1022	30376	31003
UN35179	Rsa1.0.15249.1	783	2728	0	755	776	97 +	8	783	1235	2010
UN35180	Rsa1.0.01513.1	857	44234	1.00E-116	347	388	89 +	465	846	20353	20727
UN35181	Rsa1.0.01518.1	856	141402	0	774	822	94 +	1	803	131703	132514
UN35182	Rsa1.0.00113.1	696	131574	1.00E-154	289	293	98 +	257	549	36936	37228
UN35183	Rsa1.0.10500.1	815	5824	2.00E-69	197	217	90 -	7	221	4946	5162
UN35184	Rsa1.0.00013.1	945	292129	0	617	624	98 +	319	942	172984	173607
UN35185	Rsa1.0.00898.1	351	202772	1.00E-107	207	209	99 -	144	351	191384	191592
UN35186	Rsa1.0.00377.1	710	90038	1.00E-149	348	375	92 -	2	370	36352	36726
UN35187	Rsa1.0.08405.1	225	7413	3.00E-50	101	101	100 +	125	225	6684	6784
UN35188	Rsa1.0.16013.1	1049	2323	0	504	508	99 +	542	1049	1	508
UN35189	Rsa1.0.00011.1	1094	225044	0	1085	1093	99 +	2	1094	53454	54546
UN35190	Rsa1.0.01383.1	977	46848	0	904	926	97 +	1	922	32008	32931
UN35191	Rsa1.0.02089.1	822	35163	0	584	591	98 -	3	593	5755	6345
UN35192	Rsa1.0.00016.1	783	831256	4.00E-71	137	137	100 -	641	777	434574	434710
UN35193	Rsa1.0.00693.1	924	161311	2.00E-73	172	182	94 -	746	924	50614	50789
UN35194	Rsa1.0.00333.1	1186	94500	0	551	565	97 +	626	1186	21988	22552
UN35195	Rsa1.0.00043.1	973	264937	0	912	947	96 -	1	945	88329	89269
UN35196	Rsa1.0.00119.1	695	467509	0	616	644	95 +	3	641	310996	311638
UN35197	Rsa1.0.02386.1	963	31895	0	436	461	94 -	380	840	9020	9479
UN35198	Rsa1.0.01295.1	1113	49040	0	535	562	95 -	35	587	8398	8956
UN35199	Rsa1.0.00383.1	547	398431	1.00E-138	280	289	96 +	260	547	3111	3399
UN35200	Rsa1.0.00099.1	559	159619	0	542	559	96 +	1	559	117370	117928
UN35201	Rsa1.0.00293.1	1151	339294	0	376	377	99 -	3	379	15896	16272
UN35202	Rsa1.0.03084.1	320	25506	3.00E-39	147	167	88 -	132	297	9915	10071
UN35203	Rsa1.0.03883.1	872	20282	0	494	548	90 +	7	530	8502	9029
UN35204	Rsa1.0.66572.1	1036	344	4.00E-16	45	45	100 +	2	46	300	344
UN35205	Rsa1.0.03846.1	648	20481	0	617	656	94 +	3	640	19667	20320
UN35206	Rsa1.0.02984.1	1138	26263	0	653	681	95 -	1	681	22601	23272
UN35207	Rsa1.0.10503.1	717	5824	0	540	555	97 -	3	557	995	1542
UN35208	Rsa1.0.00219.1	356	106983	0	348	352	98 -	3	354	31588	31937
UN35209	Rsa1.0.00744.1	790	66084	0	422	445	94 +	352	790	54853	55297
UN35210	Rsa1.0.07865.1	434	8400	7.00E-19	115	137	83 -	205	341	3952	4088
UN35211	Rsa1.0.00040.1	1144	324196	1.00E-132	282	295	95 +	848	1142	214894	215187
UN35212	Rsa1.0.00949.1	721	58549	0	706	718	98 +	4	721	53197	53914
UN35213	Rsa1.0.00798.1	896	63945	0	783	788	99 -	16	803	21539	22324
UN35214	Rsa1.0.13817.1	445	4268	1.00E-75	183	195	93 +	3	195	4074	4268
UN35215	Rsa1.0.03069.1	1067	25615	2.00E-27	177	212	83 +	41	251	12054	12264

UN35255	Rsa1.0.03685.1	858	21391	0	849	854	99 +	3	856	10456	11309
UN35256	Rsa1.0.01995.1	782	36347	0	600	605	99 -	42	646	27958	28562
UN35257	Rsa1.0.09186.1	720	6572	0	718	722	99 +	1	719	4945	5666
UN35258	Rsa1.0.02856.1	966	27270	0	910	967	94 -	2	966	2490	3427
UN35259	Rsa1.0.08001.1	870	8095	0	643	656	98 -	218	869	7440	8095
UN35260	Rsa1.0.02473.1	588	31083	1.00E-118	282	301	93 +	1	298	13354	13647
UN35261	Rsa1.0.02320.1	947	32575	0	464	475	97 -	472	946	17148	17622
UN35262	Rsa1.0.00548.1	834	76518	5.00E-12	65	73	89 -	761	833	3477	3547
UN35263	Rsa1.0.00137.1	1303	122457	0	1199	1303	92 +	3	1303	74847	76136
UN35264	Rsa1.0.03828.1	470	20588	1.00E-176	385	404	95 -	57	458	5980	6381
UN35265	Rsa1.0.03149.1	850	24983	0	499	524	95 +	327	850	13791	14314
UN35266	Rsa1.0.01088.1	775	54416	1.00E-169	314	318	98 -	245	562	16486	16803
UN35267	Rsa1.0.03093.1	727	25445	0	711	720	98 -	8	727	14620	15339
UN35268	Rsa1.0.02400.1	434	31750	0	403	426	94 -	9	433	16256	16681
UN35269	Rsa1.0.06060.1	211	11839	1.00E-89	197	207	95 +	5	211	667	873
UN35270	Rsa1.0.03400.1	813	23203	0	451	460	98 -	344	801	22744	23203
UN35271	Rsa1.0.00344.1	683	191774	0	553	578	95 -	6	577	8918	9495
UN35272	Rsa1.0.01739.1	595	40068	4.00E-89	170	171	99 -	303	473	37784	37954
UN35273	Rsa1.0.01352.1	934	47443	1.00E-114	218	221	98 -	420	640	12792	13012
UN35274	Rsa1.0.00040.1	505	324196	1.00E-109	244	257	94 +	249	505	265642	265897
UN35275	Rsa1.0.00001.1	537	363028	1.00E-153	309	318	97 +	1	316	250037	250354
UN35276	Rsa1.0.00061.1	855	218685	1.00E-131	294	312	94 +	4	303	63176	63487
UN35277	Rsa1.0.03956.1	856	19872	0	437	442	98 +	3	442	5687	6128
UN35278	Rsa1.0.03401.1	1023	23191	1.00E-137	255	256	99 +	676	930	20565	20820
UN35279	Rsa1.0.01263.1	1057	49703	0	468	470	99 +	181	650	13944	14413
UN35280	Rsa1.0.01145.1	819	149247	1.00E-31	74	75	98 -	3	77	102895	102969
UN35281	Rsa1.0.05971.1	1183	12068	1.00E-135	278	287	96 -	892	1175	2135	2421
UN35282	Rsa1.0.01117.1	721	53465	0	335	335	100 -	25	359	14231	14565
UN35283	Rsa1.0.00092.1	726	659932	2.00E-35	120	132	90 -	130	261	9583	9711
UN35284	Rsa1.0.00055.1	528	520193	1.00E-161	371	396	93 +	7	399	170609	171000
UN35285	Rsa1.0.00049.1	1276	167018	1.00E-178	370	387	95 -	404	790	35247	35630
UN35286	Rsa1.0.01612.1	1037	42255	0	582	608	95 -	2	609	26024	26610
UN35287	Rsa1.0.00116.1	1104	365886	0	479	496	96 +	616	1104	144907	145400
UN35288	Rsa1.0.10780.1	914	5722	1.00E-119	386	442	87 +	4	445	4830	5271
UN35289	Rsa1.0.05906.1	802	12270	0	718	751	95 -	52	802	5628	6373
UN35290	Rsa1.0.02224.1	988	33758	1.00E-43	427	526	81 +	452	973	26033	26551
UN35291	Rsa1.0.00335.1	863	94371	3.00E-75	174	184	94 +	155	338	32897	33080
UN35292	Rsa1.0.01333.1	651	47929	0	577	608	94 -	1	598	22270	22876
UN35293	Rsa1.0.00419.1	809	86562	0	334	337	99 +	473	809	81603	81937

UN35294	Rsa1.0.03185.1	696	24739	1.00E-143	283	290	97 +	3	292	23269	23557
UN35295	Rsa1.0.15315.1	741	2690	1.00E-126	239	242	98 -	187	428	1968	2209
UN35296	Rsa1.0.01234.1	860	50183	0	846	853	99 +	9	860	38700	39552
UN35297	Rsa1.0.01267.1	584	49670	1.00E-174	361	375	96 -	207	578	9570	9942
UN35298	Rsa1.0.04002.1	748	19608	4.00E-43	127	138	92 +	253	389	3367	3504
UN35299	Rsa1.0.00689.1	770	68305	0	718	750	95 -	3	752	34502	35247
UN35300	Rsa1.0.03325.1	1271	23720	0	1199	1282	93 +	2	1271	12227	13484
UN35301	Rsa1.0.00243.1	970	103651	1.00E-179	334	338	98 -	633	970	35464	35799
UN35302	Rsa1.0.00626.1	1188	71582	0	432	435	99 +	280	714	26950	27384
UN35303	Rsa1.0.01881.1	690	37721	1.00E-180	326	328	99 +	363	690	29443	29770
UN35304	Rsa1.0.00190.1	690	318240	2.00E-82	254	285	89 +	390	673	52960	53220
UN35305	Rsa1.0.00069.1	1284	403561	0	1199	1230	97 +	63	1282	17840	19069
UN35306	Rsa1.0.02749.1	249	28241	1.00E-131	246	249	98 +	1	249	743	991
UN35307	Rsa1.0.00985.1	904	161950	1.00E-114	222	226	98 +	11	236	33701	33926
UN35308	Rsa1.0.00018.1	1310	410899	0	1175	1196	98 +	115	1308	77582	78769
UN35309	Rsa1.0.01209.1	778	50668	0	770	781	98 +	2	778	24015	24795
UN35310	Rsa1.0.13704.1	662	4453	1.00E-152	359	386	93 +	282	662	2579	2954
UN35311	Rsa1.0.07685.1	489	8797	1.00E-158	311	318	97 -	173	489	8088	8404
UN35312	Rsa1.0.02504.1	857	30706	4.00E-68	275	319	86 +	119	437	14596	14910
UN35313	Rsa1.0.00675.1	872	145590	1.00E-150	292	299	97 -	1	295	63875	64173
UN35314	Rsa1.0.00201.1	961	232851	9.00E-88	291	333	87 -	359	681	82027	82359
UN35315	Rsa1.0.00122.1	803	265937	0	799	801	99 +	1	801	16809	17609
UN35316	Rsa1.0.01444.1	1281	169539	1.00E-154	320	332	96 +	2	330	148985	149316
UN35317	Rsa1.0.01362.1	900	47217	1.00E-133	251	254	98 +	1	254	3048	3301
UN35318	Rsa1.0.00918.1	901	59720	0	456	475	96 +	1	475	6864	7338
UN35319	Rsa1.0.00552.1	936	206757	0	669	720	92 -	41	735	62719	63433
UN35320	Rsa1.0.00295.1	745	152597	0	340	343	99 +	402	743	23572	23914
UN35321	Rsa1.0.01156.1	662	52147	0	532	553	96 +	128	662	34400	34952
UN35322	Rsa1.0.00113.1	701	131574	0	686	704	97 -	1	701	37763	38463
UN35323	Rsa1.0.00625.1	795	71672	1.00E-156	314	322	97 +	1	321	30706	31024
UN35324	Rsa1.0.00347.1	682	93048	0	649	683	95 +	1	682	69357	70037
UN35325	Rsa1.0.00195.1	713	251884	0	413	414	99 -	3	416	214546	214959
UN35326	Rsa1.0.05604.1	989	13204	0	422	434	97 +	2	435	11770	12203
UN35327	Rsa1.0.02523.1	907	30527	1.00E-166	366	391	93 -	529	907	902	1289
UN35328	Rsa1.0.01579.1	1140	42860	0	560	565	99 +	3	566	10924	11486
UN35329	Rsa1.0.03189.1	1114	24710	0	1107	1112	99 +	3	1114	12286	13397
UN35330	Rsa1.0.00212.1	581	108350	0	559	578	96 +	3	579	36364	36941
UN35331	Rsa1.0.00574.1	1211	74797	0	471	485	97 -	2	486	65563	66045
UN35332	Rsa1.0.08688.1	787	7037	0	454	471	96 +	324	787	6223	6693

UN35333	Rsa1.0.00182.1	828	142305	0	438	438	100 -	324	761	105345	105782
UN35334	Rsa1.0.03082.1	515	25520	0	409	430	95 -	85	514	16218	16644
UN35335	Rsa1.0.06619.1	773	10650	0	445	457	97 +	313	767	8286	8738
UN35336	Rsa1.0.00123.1	1196	325650	0	873	931	93 -	3	921	166959	167880
UN35337	Rsa1.0.01307.1	573	48685	0	571	571	100 +	1	571	47563	48133
UN35338	Rsa1.0.00009.1	889	232558	1.00E-110	247	262	94 -	626	887	144909	145170
UN35339	Rsa1.0.05832.1	407	12491	1.00E-100	225	238	94 +	64	301	2996	3233
UN35340	Rsa1.0.00018.1	786	410899	1.00E-167	374	392	95 +	398	786	403692	404078
UN35341	Rsa1.0.08472.1	497	7300	0	483	501	96 -	2	497	6366	6865
UN35342	Rsa1.0.00880.1	745	61271	0	701	720	97 -	12	729	24218	24935
UN35343	Rsa1.0.00616.1	1167	195713	0	469	480	97 -	694	1167	183052	183530
UN35344	Rsa1.0.12579.1	1125	5185	0	459	467	98 -	574	1040	1	467
UN35345	Rsa1.0.00015.1	800	561803	0	770	803	95 +	3	800	250146	250948
UN35346	Rsa1.0.03225.1	1108	24500	0	767	814	94 +	296	1108	18747	19541
UN35347	Rsa1.0.04536.1	751	16947	1.00E-36	106	114	92 -	2	115	11689	11800
UN35348	Rsa1.0.00679.1	974	68971	1.00E-105	220	227	96 +	703	928	6467	6693
UN35349	Rsa1.0.00340.1	596	305782	1.00E-88	196	206	95 -	4	209	284820	285025
UN35350	Rsa1.0.00146.1	886	149343	1.00E-133	247	249	99 -	215	463	81705	81953
UN35351	Rsa1.0.01747.1	665	39881	0	619	659	93 +	12	663	38916	39571
UN35352	Rsa1.0.00018.1	1009	410899	0	794	831	95 +	179	1009	358769	359599
UN35353	Rsa1.0.17286.1	1068	1871	1.00E-116	294	318	92 -	733	1045	396	708
UN35354	Rsa1.0.00494.1	635	79967	0	623	636	97 -	1	635	48051	48686
UN35355	Rsa1.0.00571.1	647	329018	0	614	646	95 +	2	646	32930	33572
UN35356	Rsa1.0.70401.1	254	325	7.00E-67	141	145	97 -	80	224	1	145
UN35357	Rsa1.0.00651.1	506	247766	1.00E-130	300	318	94 +	190	506	246547	246860
UN35358	Rsa1.0.41779.1	1007	537	1.00E-138	255	257	99 -	520	776	281	537
UN35359	Rsa1.0.01215.1	683	166813	0	470	472	99 +	212	683	5751	6222
UN35360	Rsa1.0.03236.1	400	24441	1.00E-179	386	407	94 -	3	400	21530	21935
UN35361	Rsa1.0.00651.1	996	247766	1.00E-108	229	239	95 -	112	350	228108	228346
UN35362	Rsa1.0.00323.1	606	159650	1.00E-151	277	279	99 +	328	606	121300	121578
UN35363	Rsa1.0.02263.1	678	33238	1.00E-156	298	304	98 +	374	677	26026	26329
UN35364	Rsa1.0.01303.1	1107	48853	1.00E-137	248	248	100 +	300	547	25443	25690
UN35365	Rsa1.0.00230.1	661	105389	0	473	520	90 +	135	653	33958	34446
UN35366	Rsa1.0.01195.1	782	147988	0	777	781	99 +	2	782	20601	21381
UN35367	Rsa1.0.08518.1	782	7244	1.00E-101	199	203	98 +	322	524	6688	6890
UN35368	Rsa1.0.00295.1	846	152597	0	647	677	95 -	170	846	21585	22260
UN35369	Rsa1.0.02185.1	766	34150	0	608	628	96 +	112	738	15560	16186
UN35370	Rsa1.0.05117.1	1231	14801	0	719	752	95 -	480	1230	4114	4859
UN35371	Rsa1.0.00006.1	608	396176	1.00E-174	351	365	96 -	1	365	362073	362437

UN35372	Rsa1.0.00284.1	766	323267	1.00E-141	327	348	93 -	422	764	2224	2571
UN35373	Rsa1.0.00992.1	1078	57419	0	467	478	97 -	601	1078	44401	44878
UN35374	Rsa1.0.07959.1	441	8173	1.00E-137	316	337	93 +	56	390	1540	1874
UN35375	Rsa1.0.00152.1	1023	257730	1.00E-124	252	258	97 -	767	1023	246420	246675
UN35376	Rsa1.0.07447.1	962	9380	0	503	515	97 -	447	961	7408	7922
UN35377	Rsa1.0.00899.1	634	60404	3.00E-22	93	104	89 +	484	583	7929	8031
UN35378	Rsa1.0.00054.1	1244	162053	0	522	548	95 -	2	543	136337	136883
UN35379	Rsa1.0.00749.1	768	65933	1.00E-140	291	302	96 -	471	768	45770	46071
UN35380	Rsa1.0.04005.1	1207	19586	0	392	399	98 +	805	1201	301	699
UN35381	Rsa1.0.01334.1	1054	47904	1.00E-113	256	271	94 -	781	1051	36220	36489
UN35382	Rsa1.0.01175.1	688	51674	2.00E-85	176	181	97 -	156	336	37972	38152
UN35383	Rsa1.0.00216.1	680	197563	1.00E-116	227	232	97 +	124	355	88910	89141
UN35384	Rsa1.0.00253.1	870	231292	0	451	472	95 -	100	571	210833	211304
UN35385	Rsa1.0.04186.1	660	18589	1.00E-150	272	273	99 -	370	642	9190	9462
UN35386	Rsa1.0.02188.1	941	34104	0	917	941	97 +	1	941	6332	7265
UN35387	Rsa1.0.02590.1	1057	29752	1.00E-156	439	497	88 -	585	1057	12938	13434
UN35388	Rsa1.0.05175.1	930	14603	1.00E-101	466	559	83 +	179	719	13492	14047
UN35389	Rsa1.0.00011.1	1240	225044	0	653	670	97 -	6	675	26245	26914
UN35390	Rsa1.0.00556.1	949	207212	0	838	928	90 -	39	947	176432	177342
UN35391	Rsa1.0.10589.1	445	5793	1.00E-170	410	439	93 +	18	443	4896	5328
UN35392	Rsa1.0.01826.1	758	38700	0	480	502	95 +	241	735	14064	14564
UN35393	Rsa1.0.00002.1	842	601661	0	804	845	95 +	11	842	411315	412145
UN35394	Rsa1.0.02228.1	332	33688	2.00E-55	146	158	92 -	23	180	30146	30303
UN35395	Rsa1.0.13606.1	625	4648	1.00E-14	51	54	94 -	56	109	2630	2683
UN35396	Rsa1.0.00008.1	809	358124	0	581	621	93 -	205	806	76863	77482
UN35397	Rsa1.0.01288.1	595	49188	1.00E-136	259	262	98 +	35	295	42253	42514
UN35398	Rsa1.0.02063.1	1137	35484	1.00E-122	257	265	96 -	877	1137	10469	10732
UN35399	Rsa1.0.15576.1	1025	2536	2.00E-18	101	117	86 +	143	256	402	515
UN35400	Rsa1.0.00011.1	1003	225044	2.00E-55	117	119	98 -	156	274	49292	49410
UN35401	Rsa1.0.04504.1	806	17069	0	780	812	96 -	2	806	5239	6049
UN35402	Rsa1.0.00755.1	644	192559	2.00E-87	201	212	94 +	70	281	10572	10777
UN35403	#	#	#	#	#	#	#	#	#	#	#
UN35404	Rsa1.0.00332.1	512	94575	2.33E-156	377	407	92 -	113	512	73555	73958
UN35405	Rsa1.0.02164.1	540	34426	2.00E-93	312	356	87 +	25	376	33123	33478
UN35406	Rsa1.0.05876.1	1369	12348	0	474	488	97 -	412	896	9490	9974
UN35407	Rsa1.0.01919.1	1230	37272	1.00E-142	372	408	91 -	7	402	8703	9100
UN35408	Rsa1.0.00055.1	1244	520193	0	1158	1223	94 -	5	1223	385995	387201
UN35409	Rsa1.0.10486.1	957	5830	0	454	477	95 -	482	957	2479	2954
UN35410	Rsa1.0.01672.1	1275	41229	1.00E-134	344	375	91 -	598	962	20041	20413

UN35411	Rsa1.0.01947.1	272	36977	1.00E-114	253	264	95 +	10	272	22203	22464
UN35412	Rsa1.0.00280.1	690	99966	1.00E-154	314	325	96 -	367	690	6006	6330
UN35413	Rsa1.0.02589.1	602	300828	1.00E-150	309	322	95 +	12	333	154386	154707
UN35414	#	#	#	#	#	#	#	#	#	#	#
UN35415	Rsa1.0.04384.1	1033	17629	0	485	529	91 -	529	1031	4643	5167
UN35416	Rsa1.0.00041.1	1048	186197	0	751	774	97 +	263	1036	93412	94183
UN35417	Rsa1.0.00302.1	879	97521	0	538	557	96 -	173	728	1481	2035
UN35418	Rsa1.0.01325.1	1115	48131	0	479	499	95 +	39	537	21285	21781
UN35419	Rsa1.0.00512.1	792	200277	0	447	481	92 -	1	464	71437	71916
UN35420	Rsa1.0.00610.1	798	72740	0	713	730	97 +	1	730	68427	69153
UN35421	Rsa1.0.00015.1	637	561803	3.00E-22	95	107	88 +	72	177	390332	390438
UN35422	Rsa1.0.00489.1	608	80434	0	373	378	98 +	231	608	45530	45906
UN35423	Rsa1.0.73912.1	753	310	1.00E-58	134	140	95 -	479	618	171	310
UN35424	Rsa1.0.02693.1	699	28617	0	682	701	97 +	1	699	24192	24891
UN35425	Rsa1.0.03746.1	1114	21050	0	607	609	99 +	2	610	4340	4948
UN35426	Rsa1.0.01274.1	1340	49419	0	493	531	92 -	470	1000	27081	27592
UN35427	Rsa1.0.02197.1	748	33996	0	449	461	97 +	77	535	3405	3865
UN35428	Rsa1.0.01466.1	829	45161	0	476	497	95 -	41	537	16726	17222
UN35429	Rsa1.0.09273.1	635	6511	1.00E-117	236	242	97 -	395	635	2647	2888
UN35430	Rsa1.0.00583.1	1225	74309	1.00E-118	240	248	96 -	860	1107	50222	50469
UN35431	Rsa1.0.04124.1	489	18945	1.00E-133	253	257	98 -	233	489	4680	4936
UN35432	Rsa1.0.15449.1	719	2599	0	692	715	96 +	12	719	81	791
UN35433	Rsa1.0.42519.1	569	528	6.00E-66	227	260	87 +	172	431	113	372
UN35434	Rsa1.0.00563.1	663	75491	0	659	662	99 -	2	663	27404	28065
UN35435	Rsa1.0.01918.1	1026	37278	0	619	668	92 -	359	1026	12808	13473
UN35436	Rsa1.0.02796.1	940	27805	0	927	946	97 -	2	940	13785	14729
UN35437	Rsa1.0.03147.1	385	25001	1.00E-163	300	303	99 +	83	385	3713	4015
UN35438	Rsa1.0.00032.1	953	306326	0	818	840	97 +	124	953	190180	191019
UN35439	Rsa1.0.00146.1	903	149343	0	642	658	97 +	2	657	46141	46796
UN35440	Rsa1.0.01829.1	677	166063	0	670	674	99 +	4	677	127598	128271
UN35441	Rsa1.0.09141.1	671	6612	5.00E-98	247	270	91 -	3	258	4437	4706
UN35442	Rsa1.0.01716.1	713	40483	0	696	713	97 -	2	713	6612	7324
UN35443	Rsa1.0.18162.1	558	1654	1.00E-153	325	339	95 -	221	557	442	780
UN35444	Rsa1.0.04444.1	573	17320	0	531	575	92 +	2	571	14131	14705
UN35445	Rsa1.0.01352.1	1142	47443	0	505	528	95 +	33	551	4605	5131
UN35446	Rsa1.0.00134.1	1384	390219	1.00E-112	210	211	99 -	489	699	191649	191859
UN35447	Rsa1.0.09684.1	706	6213	0	380	393	96 +	98	490	85	477
UN35448	Rsa1.0.01746.1	844	39887	0	803	864	92 -	1	842	32023	32883
UN35449	Rsa1.0.10778.1	721	5722	0	361	364	99 +	347	710	4479	4842

UN35450	Rsa1.0_04065.1	1031	19275	0	368	371	99 +	663	1031	18356	18726
UN35451	Rsa1.0_02191.1	471	34078	0	395	413	95 -	68	467	4457	4869
UN35452	Rsa1.0_00055.1	683	520193	1.00E-12	114	139	82 -	173	311	75582	75720
UN35453	Rsa1.0_03434.1	1107	22960	0	462	501	92 -	2	502	17074	17574
UN35454	Rsa1.0_00053.1	1056	263459	0	591	613	96 -	9	615	233623	234235
UN35455	Rsa1.0_45734.1	747	493	1.00E-64	129	130	99 -	146	275	163	292
UN35456	Rsa1.0_02945.1	363	26548	1.00E-117	253	266	95 +	2	267	3436	3701
UN35457	Rsa1.0_00894.1	1121	269700	0	395	400	98 +	1	400	249737	250136
UN35458	Rsa1.0_01543.1	820	43645	1.00E-100	254	274	92 +	253	525	14108	14375
UN35459	Rsa1.0_00813.1	716	63202	3.00E-47	109	113	96 +	330	442	47296	47408
UN35460	Rsa1.0_00108.1	268	478491	2.00E-51	122	127	96 +	5	131	8655	8780
UN35461	Rsa1.0_00653.1	732	70029	0	725	734	98 -	1	732	58917	59650
UN35462	Rsa1.0_06447.1	535	10999	1.00E-158	303	307	98 -	231	535	9093	9399
UN35463	Rsa1.0_52080.1	767	437	1.00E-130	248	252	98 -	2	253	121	372
UN35464	Rsa1.0_02169.1	711	34367	1.00E-127	317	345	91 -	28	360	3851	4189
UN35465	Rsa1.0_04243.1	983	18321	0	778	822	94 -	174	983	7356	8172
UN35466	Rsa1.0_05925.1	1039	12221	1.00E-121	237	242	97 +	343	584	4399	4640
UN35467	Rsa1.0_00107.1	1065	431659	1.00E-176	327	330	99 +	736	1065	85958	86286
UN35468	Rsa1.0_03940.1	1082	19962	0	431	447	96 +	637	1077	15946	16392
UN35469	Rsa1.0_01799.1	658	39127	0	573	602	95 -	61	658	2443	3040
UN35470	Rsa1.0_00681.1	886	68779	0	460	468	98 +	419	886	37951	38415
UN35471	Rsa1.0_04635.1	1397	16569	0	933	991	94 -	3	986	376	1347
UN35472	Rsa1.0_16231.1	684	131890	0	539	609	88 +	95	684	167	767
UN35473	Rsa1.0_04525.1	607	16965	0	500	548	91 -	82	607	2324	2859
UN35474	Rsa1.0_00006.1	574	396176	1.00E-174	387	409	94 +	6	412	18580	18981
UN35475	Rsa1.0_00087.1	629	761073	0	497	507	98 -	126	629	275827	276330
UN35476	Rsa1.0_00518.1	637	78360	0	604	635	95 +	6	637	76257	76882
UN35477	Rsa1.0_00252.1	819	102760	8.00E-94	240	259	92 -	1	257	98134	98387
UN35478	Rsa1.0_00116.1	793	365886	8.00E-91	218	233	93 -	85	316	14234	14460
UN35479	Rsa1.0_07947.1	517	8204	0	503	516	97 -	1	516	6618	7131
UN35480	Rsa1.0_00030.1	728	250988	0	383	396	96 -	163	558	122745	123140
UN35481	Rsa1.0_01677.1	1037	41140	0	668	706	94 -	4	702	20597	21292
UN35482	Rsa1.0_00440.1	512	84723	0	463	490	94 +	19	507	74638	75124
UN35483	Rsa1.0_24553.1	875	981	2.00E-61	361	438	82 +	293	700	46	477
UN35484	Rsa1.0_01498.1	565	44558	0	537	547	98 +	20	565	1	544
UN35485	Rsa1.0_00737.1	1057	66432	1.00E-132	264	271	97 +	785	1055	25538	25806
UN35486	Rsa1.0_01419.1	499	167402	0	484	503	96 +	1	499	131956	132453
UN35487	Rsa1.0_00247.1	835	103408	0	810	839	96 +	2	832	77885	78722
UN35488	Rsa1.0_01433.1	929	45976	0	617	657	93 +	253	907	8182	8818

UN35489	Rsa1.0.00081.1	1054	143261	1.00E-162	332	346	95 +	289	634	85804	86149
UN35490	Rsa1.0.03877.1	694	20318	0	518	545	95 -	2	543	37	581
UN35491	Rsa1.0.00837.1	588	62568	1.00E-171	344	357	96 -	176	532	47711	48067
UN35492	Rsa1.0.00690.1	821	140527	0	764	801	95 +	21	808	11481	12281
UN35493	Rsa1.0.00576.1	820	178949	0	545	578	94 +	246	820	62120	62682
UN35494	Rsa1.0.04428.1	1063	17399	0	1008	1065	94 +	1	1062	8536	9566
UN35495	Rsa1.0.05904.1	665	12279	0	610	625	97 -	3	627	8550	9174
UN35496	Rsa1.0.01482.1	1122	44855	1.00E-143	274	278	98 +	844	1121	30404	30680
UN35497	Rsa1.0.00025.1	1278	277312	0	364	369	98 +	914	1278	44610	44978
UN35498	Rsa1.0.02792.1	991	27829	0	364	365	99 -	3	367	312	676
UN35499	Rsa1.0.12341.1	726	5250	0	468	484	96 -	245	721	2132	2615
UN35500	Rsa1.0.00286.1	768	98709	8.00E-97	192	196	97 +	286	481	19488	19683
UN35501	Rsa1.0.00227.1	575	105849	0	487	501	97 +	75	573	73790	74290
UN35502	Rsa1.0.01710.1	798	40586	0	773	795	97 -	3	796	3519	4313
UN35503	Rsa1.0.00821.1	1177	62891	0	746	756	98 -	423	1174	54267	55021
UN35504	Rsa1.0.01232.1	606	155185	1.00E-148	298	308	96 -	302	606	137579	137886
UN35505	Rsa1.0.01118.1	755	53460	0	732	757	96 -	3	755	47273	48029
UN35506	Rsa1.0.03520.1	1024	22327	2.00E-88	176	178	98 -	799	975	3815	3992
UN35507	Rsa1.0.03407.1	675	23154	1.00E-100	192	194	98 -	1	194	5522	5715
UN35508	Rsa1.0.65913.1	1321	348	1.00E-173	315	317	99 +	449	765	32	348
UN35509	Rsa1.0.02043.1	634	163754	0	634	634	100 +	1	634	13627	14260
UN35510	Rsa1.0.09229.1	736	6542	0	417	419	99 +	199	617	578	996
UN35511	Rsa1.0.00092.1	865	659932	0	342	342	100 +	522	863	147665	148006
UN35512	Rsa1.0.01315.1	1037	48361	0	642	646	99 +	2	647	45696	46341
UN35513	Rsa1.0.00140.1	866	121541	0	456	462	98 +	1	459	3943	4403
UN35514	Rsa1.0.00143.1	535	121313	0	515	524	98 +	10	533	24752	25275
UN35515	Rsa1.0.58001.1	626	394	0	392	394	99 -	119	512	1	394
UN35516	Rsa1.0.05175.1	1124	14603	0	1118	1123	99 +	1	1123	1747	2869
UN35517	Rsa1.0.01674.1	620	168300	1.00E-92	179	181	98 +	440	620	2867	3047
UN35518	Rsa1.0.05701.1	831	12884	0	435	435	100 -	314	748	11282	11716
UN35519	Rsa1.0.01535.1	1453	43750	0	908	912	99 -	539	1446	22048	22959
UN35520	Rsa1.0.00529.1	740	77487	0	661	703	94 -	1	698	52471	53173
UN35521	Rsa1.0.03777.1	667	20922	1.00E-131	287	303	94 -	137	439	7434	7733
UN35522	Rsa1.0.00173.1	632	288743	1.00E-172	325	329	98 +	306	631	32434	32762
UN35523	Rsa1.0.08611.1	918	7130	1.00E-147	280	285	98 -	287	571	2209	2493
UN35524	Rsa1.0.00081.1	518	143261	1.00E-170	339	350	96 -	1	349	46342	46691
UN35525	Rsa1.0.00476.1	1001	280966	0	406	425	95 +	576	1000	271894	272317
UN35526	Rsa1.0.01667.1	767	41315	0	748	769	97 -	1	767	30236	31003
UN35527	Rsa1.0.45629.1	536	494	1.00E-155	283	285	99 +	56	340	1	285

UN35528	Rsa1.0.00006.1	661	396176	0	559	574	97 +	59	629	215506	216077
UN35529	Rsa1.0.00279.1	416	100039	1.00E-102	214	221	96 +	2	219	48429	48646
UN35530	Rsa1.0.01343.1	699	47735	0	363	363	100 +	337	699	9134	9496
UN35531	Rsa1.0.11719.1	748	5430	1.00E-105	215	222	96 -	471	692	3724	3945
UN35532	Rsa1.0.00519.1	460	197864	0	443	450	98 -	12	460	65705	66153
UN35533	Rsa1.0.10441.1	653	5850	1.00E-171	338	348	97 +	307	653	1315	1662
UN35534	Rsa1.0.00069.1	824	403561	1.00E-131	273	284	96 -	12	295	192368	192648
UN35535	Rsa1.0.02958.1	821	26443	0	486	493	98 +	61	553	7659	8151
UN35536	Rsa1.0.08679.1	656	7047	1.00E-150	272	273	99 -	384	656	4241	4513
UN35537	Rsa1.0.16859.1	1263	2010	1.00E-129	281	295	95 -	3	294	1224	1515
UN35538	Rsa1.0.00382.1	760	251946	1.00E-70	195	214	91 -	471	684	168419	168629
UN35539	Rsa1.0.08363.1	1038	7474	0	632	645	97 +	2	646	3277	3921
UN35540	Rsa1.0.00810.1	694	63289	0	681	691	98 -	1	690	61408	62098
UN35541	Rsa1.0.00306.1	1129	146760	0	977	1004	97 -	1	1002	55152	56154
UN35542	Rsa1.0.00440.1	703	84723	0	699	702	99 -	2	703	45292	45993
UN35543	Rsa1.0.05229.1	841	14437	0	837	839	99 +	1	839	8165	9003
UN35544	Rsa1.0.32218.1	687	707	0	451	456	98 -	10	465	252	707
UN35545	Rsa1.0.01540.1	1109	151890	0	719	746	96 -	3	739	125351	126096
UN35546	Rsa1.0.02393.1	915	31795	0	825	852	96 +	2	852	20696	21547
UN35547	Rsa1.0.13885.1	750	4149	1.00E-169	304	305	99 +	444	748	1681	1985
UN35548	Rsa1.0.66377.1	833	345	0	343	345	99 -	91	434	1	345
UN35549	Rsa1.0.00081.1	873	143261	0	857	881	97 -	1	873	108090	108969
UN35550	Rsa1.0.01489.1	788	44764	0	668	671	99 -	1	671	8042	8712
UN35551	Rsa1.0.00069.1	713	403561	0	460	496	92 +	2	485	190541	191025
UN35552	Rsa1.0.00131.1	436	432233	1.00E-169	340	351	96 +	4	351	285281	285630
UN35553	Rsa1.0.01018.1	1052	56685	0	477	478	99 -	523	999	11	488
UN35554	Rsa1.0.20750.1	608	1273	1.00E-150	307	320	95 -	7	326	806	1119
UN35555	Rsa1.0.00359.1	944	91256	0	429	442	97 -	4	444	86965	87406
UN35556	Rsa1.0.17692.1	687	1764	0	352	363	96 -	3	354	1241	1603
UN35557	Rsa1.0.16067.1	1159	2300	1.00E-178	349	360	96 -	803	1157	344	703
UN35558	Rsa1.0.00344.1	684	191774	0	651	680	95 +	5	684	163777	164453
UN35559	Rsa1.0.00002.1	899	601661	0	372	385	96 +	512	894	421340	421720
UN35560	Rsa1.0.00030.1	1064	250988	0	954	1083	88 -	5	1045	233634	234708
UN35561	Rsa1.0.73452.1	776	312	1.00E-171	310	312	99 +	226	537	1	312
UN35562	Rsa1.0.03545.1	1152	147543	0	445	445	100 -	3	447	8353	8797
UN35563	Rsa1.0.00031.1	683	179862	1.00E-106	265	288	92 -	328	612	3165	3446
UN35564	Rsa1.0.00789.1	953	64233	1.00E-142	271	276	98 +	1	276	49234	49509
UN35565	Rsa1.0.00164.1	850	116642	0	539	585	92 -	1	551	97910	98494
UN35566	Rsa1.0.00897.1	1306	60498	0	968	1034	93 -	272	1305	20446	21461

UN35567	Rsa1.0.00019.1	873	301669	0	867	874	99 -	1	873	142167	143040
UN35568	Rsa1.0.00237.1	664	235974	1.00E-155	315	330	95 -	333	662	23148	23465
UN35569	Rsa1.0.03150.1	829	24980	2.00E-54	152	165	92 -	1	164	7120	7284
UN35570	Rsa1.0.01225.1	1356	50381	1.00E-148	272	274	99 -	3	276	34965	35238
UN35571	Rsa1.0_00002.1	1144	601661	0	643	670	95 -	121	780	244418	245084
UN35572	Rsa1.0_00058.1	686	159921	1.00E-151	274	275	99 +	172	446	4238	4512
UN35573	Rsa1.0_00099.1	917	159619	0	831	890	93 -	43	915	28014	28898
UN35574	Rsa1.0.00248.1	625	163568	0	620	623	99 +	1	623	61349	61971
UN35575	#	#	#	#	#	#	#	#	#	#	#
UN35576	Rsa1.0.02562.1	617	30061	6.00E-51	124	131	94 +	255	385	17184	17314
UN35577	Rsa1.0.00573.1	1004	74821	0	972	1016	95 -	3	1004	40771	41786
UN35578	Rsa1.0.00614.1	1074	72276	1.00E-145	276	281	98 +	792	1072	60464	60744
UN35579	Rsa1.0.00934.1	533	193516	0	521	534	97 -	2	532	146295	146825
UN35580	Rsa1.0.00044.1	1261	271658	0	433	452	95 +	421	872	270014	270465
UN35581	Rsa1.0.01055.1	827	55466	1.00E-145	358	389	92 -	5	384	12613	12998
UN35582	Rsa1.0.07152.1	1014	9815	0	939	941	99 -	3	943	8037	8977
UN35583	Rsa1.0.00427.1	799	189678	0	465	466	99 -	1	466	61524	61989
UN35584	Rsa1.0_14314.1	1000	3539	0	379	383	98 +	1	383	1347	1729
UN35585	Rsa1.0.21047.1	1138	1242	1.00E-172	310	311	99 +	522	832	27	337
UN35586	Rsa1.0.00108.1	592	478491	0	450	460	97 -	131	590	247689	248141
UN35587	Rsa1.0.00374.1	807	165738	0	478	497	96 +	6	498	131794	132288
UN35588	Rsa1.0.01155.1	1172	52182	1.00E-161	292	293	99 +	230	522	24306	24598
UN35589	Rsa1.0.00417.1	644	395068	0	633	642	98 +	5	644	237450	238091
UN35590	Rsa1.0.00115.1	996	131321	0	970	991	97 -	5	995	124139	125128
UN35591	Rsa1.0.03963.1	649	19855	0	537	563	95 -	1	553	127	682
UN35592	Rsa1.0.00059.1	362	159650	1.00E-154	308	316	97 +	1	314	77335	77645
UN35593	Rsa1.0.00149.1	409	305196	1.00E-176	351	360	97 +	1	358	26585	26943
UN35594	Rsa1.0.00800.1	932	63868	0	449	449	100 -	1	449	44481	44929
UN35595	Rsa1.0.02508.1	865	30675	1.00E-159	310	316	98 -	301	614	29574	29889
UN35596	Rsa1.0.00414.1	785	202190	0	641	670	95 +	52	708	73060	73726
UN35597	Rsa1.0.20922.1	1049	1254	0	391	394	99 -	1	394	159	552
UN35598	Rsa1.0.09595.1	1219	6263	0	1209	1216	99 -	3	1218	4062	5277
UN35599	Rsa1.0.02744.1	1043	28268	0	1039	1041	99 -	1	1041	15313	16353
UN35600	Rsa1.0.03798.1	837	20800	0	357	367	97 -	139	505	6041	6407
UN35601	Rsa1.0.01286.1	920	49209	0	429	452	94 -	467	918	27545	27992
UN35602	Rsa1.0.03836.1	838	20564	0	834	836	99 +	1	835	15946	16781
UN35603	Rsa1.0.16771.1	1107	2040	0	671	681	98 +	1	681	201	880
UN35604	Rsa1.0.00903.1	719	60228	1.00E-164	357	374	95 +	1	367	52756	53129
UN35605	Rsa1.0.00478.1	596	81419	0	338	339	99 +	3	341	40211	40549

UN35606	Rsa1.0.03175.1	761	24802	2.33E-156	367	406	90 -	1	405	22371	22754
UN35607	Rsa1.0.02477.1	1306	31058	0	552	567	97 -	705	1270	11427	11992
UN35608	Rsa1.0.00894.1	808	269700	1.00E-147	274	277	98 +	3	279	24219	24495
UN35609	Rsa1.0.03209.1	1199	24592	0	603	627	96 +	9	635	13273	13899
UN35610	Rsa1.0.07024.1	893	10013	1.00E-134	288	303	95 +	386	688	4023	4325
UN35611	Rsa1.0.00701.1	763	67691	1.00E-119	217	217	100 +	2	218	25618	25834
UN35612	Rsa1.0.00016.1	766	831256	1.00E-131	267	276	96 -	490	765	740518	740790
UN35613	Rsa1.0.01146.1	818	163455	0	769	824	93 -	8	818	22529	23350
UN35614	Rsa1.0.02671.1	749	28887	0	515	530	97 -	2	529	8479	9008
UN35615	Rsa1.0.01361.1	652	47226	0	644	654	98 +	1	652	22762	23415
UN35616	Rsa1.0.00066.1	930	152418	0	525	561	93 -	338	889	61709	62260
UN35617	Rsa1.0.00006.1	1160	396176	0	440	456	96 -	706	1159	208588	209043
UN35618	Rsa1.0.67436.1	761	340	2.00E-94	185	187	98 +	292	478	156	340
UN35619	Rsa1.0.00551.1	771	76227	0	419	441	95 -	101	536	29432	29872
UN35620	Rsa1.0.02477.1	1321	31058	1.00E-116	320	355	90 +	968	1319	10884	11238
UN35621	Rsa1.0.01932.1	1228	37177	0	538	541	99 +	479	1019	11719	12258
UN35622	Rsa1.0.06271.1	1094	11351	1.00E-120	249	256	97 -	153	407	3374	3628
UN35623	Rsa1.0.00016.1	811	831256	0	471	471	100 -	341	811	680720	681190
UN35624	Rsa1.0.04966.1	634	15307	1.00E-165	294	294	100 +	1	294	1470	1763
UN35625	Rsa1.0.06383.1	743	11119	0	343	343	100 +	401	743	3536	3878
UN35626	Rsa1.0.00221.1	896	106972	2.00E-11	46	49	93 -	316	364	7063	7111
UN35627	Rsa1.0.00031.1	734	179862	0	470	474	99 +	262	734	128053	128526
UN35628	Rsa1.0.03422.1	827	23076	3.00E-72	261	301	86 -	10	285	6979	7276
UN35629	Rsa1.0.17309.1	749	1864	0	481	481	100 -	1	481	1	481
UN35630	Rsa1.0.03034.1	688	157864	0	433	453	95 -	2	450	134541	134991
UN35631	Rsa1.0.01632.1	1012	181224	0	389	407	95 -	405	803	9173	9579
UN35632	Rsa1.0.70008.1	1119	327	1.00E-153	281	283	99 +	2	284	45	327
UN35633	Rsa1.0.01654.1	1209	41532	0	355	364	97 -	2	364	30737	31100
UN35634	Rsa1.0.03238.1	1312	24432	1.00E-161	306	312	98 -	785	1096	10632	10943
UN35635	Rsa1.0.00397.1	767	88189	1.00E-156	300	307	97 +	459	765	4823	5129
UN35636	Rsa1.0.02093.1	754	35125	0	699	750	93 -	1	750	26709	27452
UN35637	Rsa1.0.22801.1	937	1093	1.00E-151	275	276	99 -	457	732	351	626
UN35638	Rsa1.0.03244.1	1115	24413	0	1091	1134	96 -	2	1114	5541	6668
UN35639	Rsa1.0.01803.1	933	173846	0	871	906	96 -	1	906	161296	162198
UN35640	Rsa1.0.00178.1	1389	114861	0	485	487	99 +	1	487	8221	8707
UN35641	Rsa1.0.01046.1	804	152989	0	512	565	90 -	15	567	136697	137240
UN35642	Rsa1.0.11107.1	1012	5613	0	385	400	96 -	1	398	3883	4282
UN35643	Rsa1.0.00045.1	1169	328694	0	623	639	97 +	528	1166	176091	176729
UN35644	Rsa1.0.04405.1	1074	17508	0	996	1032	96 -	1	1025	2068	3099

UN35645	Rsa1.0.02189.1	706	34098	1.00E-164	300	301	99 -	15	314	30540	30840
UN35646	Rsa1.0.01646.1	452	41735	0	442	451	98 -	2	452	38155	38605
UN35647	Rsa1.0.01727.1	645	40243	0	640	644	99 -	2	645	8807	9450
UN35648	Rsa1.0.02911.1	690	142461	1.00E-116	219	221	99 +	417	637	7223	7443
UN35649	Rsa1.0.05323.1	979	14149	1.00E-168	363	384	94 +	449	832	11206	11589
UN35650	Rsa1.0.03415.1	682	23117	1.00E-110	212	215	98 +	1	215	9011	9225
UN35651	#	#	#	#	#	#	#	#	#	#	#
UN35652	Rsa1.0.00441.1	716	84607	2.00E-69	280	327	85 +	303	623	75165	75487
UN35653	Rsa1.0.00014.1	1107	348985	0	1062	1101	96 +	7	1106	204533	205632
UN35654	Rsa1.0.00017.1	1054	752458	0	401	424	94 -	2	418	127505	127921
UN35655	Rsa1.0.01659.1	742	164577	0	394	394	100 +	349	742	17516	17909
UN35656	Rsa1.0.00014.1	1196	348985	1.00E-153	281	283	99 +	887	1169	341327	341609
UN35657	Rsa1.0.00307.1	1245	199003	0	1201	1201	100 +	1	1201	155550	156750
UN35658	Rsa1.0.00877.1	597	61305	2.33E-156	274	278	98 -	319	596	17349	17626
UN35659	Rsa1.0.02686.1	821	28666	0	471	472	99 +	2	473	23408	23879
UN35660	Rsa1.0.03334.1	779	23659	1.00E-159	440	490	89 +	52	536	14017	14506
UN35661	Rsa1.0.02545.1	603	30286	1.00E-135	257	260	98 +	1	259	9385	9644
UN35662	Rsa1.0.03877.1	1210	20318	0	667	707	94 +	75	778	123	829
UN35663	Rsa1.0.01336.1	538	47853	1.00E-110	243	257	94 +	2	258	43753	44003
UN35664	Rsa1.0.01700.1	931	40745	0	614	633	96 -	1	633	29549	30181
UN35665	Rsa1.0.00041.1	739	186197	0	331	334	99 +	406	739	73947	74280
UN35666	Rsa1.0.00619.1	340	71985	1.00E-100	194	197	98 +	132	328	63748	63944
UN35667	Rsa1.0.08845.1	774	6867	0	442	442	100 +	1	442	2862	3303
UN35668	Rsa1.0.01633.1	595	41868	0	581	598	97 -	1	595	40396	40989
UN35669	Rsa1.0.04081.1	968	19193	0	546	549	99 +	1	548	18564	19112
UN35670	Rsa1.0.10348.1	904	5880	0	507	516	98 -	3	515	4436	4951
UN35671	Rsa1.0.01294.1	441	49090	0	438	439	99 +	3	441	6019	6457
UN35672	Rsa1.0.00835.1	751	278058	1.00E-128	239	241	99 -	427	667	140263	140503
UN35673	Rsa1.0.00301.1	657	365315	0	578	598	96 -	56	650	183530	184123
UN35674	Rsa1.0.01169.1	673	51829	0	659	668	98 -	7	673	26443	27110
UN35675	Rsa1.0.01468.1	647	45146	1.00E-152	317	333	95 +	1	325	30515	30847
UN35676	Rsa1.0.00495.1	675	79934	0	615	617	99 -	1	617	14814	15430
UN35677	Rsa1.0.02682.1	751	28711	0	425	431	98 +	7	437	20762	21192
UN35678	Rsa1.0.02197.1	908	33996	4.00E-56	281	332	84 +	530	859	25926	26255
UN35679	Rsa1.0.01720.1	791	40358	0	783	788	99 +	3	790	28041	28828
UN35680	Rsa1.0.05828.1	1094	12499	0	587	591	99 +	503	1093	8752	9342
UN35681	Rsa1.0.05909.1	1353	12265	0	399	412	96 -	2	403	9036	9446
UN35682	Rsa1.0.00059.1	630	159650	0	619	625	99 +	7	628	91599	92223
UN35683	Rsa1.0.01006.1	1121	163670	0	599	669	89 -	13	650	124188	124854

UN35684	Rsa1.0_14554.1	793	3274	0	744	779	95 -	1	778	1880	2655
UN35685	Rsa1.0_00388.1	855	88890	1.00E-121	221	221	100 -	632	852	34325	34545
UN35686	Rsa1.0_00440.1	1129	84723	0	846	860	98 -	3	862	34259	35118
UN35687	Rsa1.0_00991.1	947	143101	0	931	959	97 +	5	946	47499	48456
UN35688	Rsa1.0_00238.1	804	193193	2.00E-69	210	232	90 -	123	352	89248	89476
UN35689	Rsa1.0_02928.1	502	26680	1.00E-176	353	364	96 +	18	381	17090	17451
UN35690	Rsa1.0_01405.1	195	46445	2.00E-66	184	200	92 +	1	193	37017	37216
UN35691	Rsa1.0_00534.1	701	77361	1.00E-110	210	211	99 -	3	213	30678	30887
UN35692	Rsa1.0_02210.1	562	33857	0	532	564	94 -	2	560	29061	29616
UN35693	Rsa1.0_06083.1	1191	11780	1.00E-106	256	276	92 +	120	395	7909	8179
UN35694	Rsa1.0_00863.1	1215	254535	0	536	536	100 -	680	1215	131400	131935
UN35695	Rsa1.0_01196.1	1189	51097	1.00E-120	233	237	98 +	954	1187	9284	9520
UN35696	Rsa1.0_02950.1	1080	26506	7.00E-89	191	199	95 +	337	535	20132	20330
UN35697	Rsa1.0_03985.1	899	19704	0	869	901	96 -	1	899	3677	4577
UN35698	Rsa1.0_04411.1	918	142979	0	657	670	98 +	3	672	137783	138452
UN35699	Rsa1.0_05079.1	659	14905	7.00E-26	73	77	94 -	65	141	10964	11040
UN35700	Rsa1.0_13686.1	1258	4480	1.00E-133	242	242	100 +	1017	1258	4048	4289
UN35701	Rsa1.0_01788.1	952	39296	0	493	493	100 -	458	950	11957	12449
UN35702	Rsa1.0_03423.1	802	23064	0	613	690	88 -	1	688	14278	14966
UN35703	Rsa1.0_00006.1	531	396176	2.00E-93	199	206	96 +	27	232	361430	361634
UN35704	Rsa1.0_06001.1	667	11979	0	665	665	100 -	3	667	522	1186
UN35705	Rsa1.0_00693.1	917	161311	0	440	447	98 -	459	905	47484	47930
UN35706	Rsa1.0_00218.1	985	201480	0	832	860	96 +	5	858	157731	158585
UN35707	Rsa1.0_03985.1	673	19704	0	638	671	95 +	3	673	2990	3660
UN35708	Rsa1.0_00096.1	797	198773	1.00E-156	290	292	99 -	496	786	151261	151552
UN35709	Rsa1.0_00128.1	398	228675	0	394	396	99 -	3	398	62675	63070
UN35710	Rsa1.0_00407.1	793	191544	1.00E-104	224	229	97 +	541	765	41018	41246
UN35711	Rsa1.0_00108.1	720	478491	1.00E-157	352	372	94 -	349	720	15076	15443
UN35712	Rsa1.0_00095.1	316	283384	1.00E-166	313	318	98 +	1	315	113285	113602
UN35713	Rsa1.0_06421.1	616	11053	0	611	614	99 +	1	614	2968	3579
UN35714	Rsa1.0_01493.1	572	44670	1.00E-138	256	258	99 +	1	258	22099	22356
UN35715	Rsa1.0_00218.1	787	201480	0	696	700	99 -	86	785	181818	182517
UN35716	Rsa1.0_00071.1	786	345714	1.00E-163	291	291	100 -	267	557	196509	196799
UN35717	Rsa1.0_10110.1	794	5994	0	775	795	97 -	1	793	3444	4237
UN35718	Rsa1.0_00107.1	752	431659	0	382	383	99 -	337	718	70829	71211
UN35719	Rsa1.0_01475.1	779	45044	0	625	683	91 -	2	671	39975	40640
UN35720	Rsa1.0_15845.1	669	2392	2.33E-156	268	270	99 +	6	275	1213	1482
UN35721	Rsa1.0_00765.1	1186	65029	1.00E-149	295	303	97 +	3	303	39074	39376
UN35722	Rsa1.0_00201.1	784	232851	1.00E-170	306	307	99 +	478	784	101096	101402

UN35723	Rsa1.0.00554.1	1048	150953	1.00E-179	345	351	98 +	699	1048	11993	12342
UN35724	Rsa1.0.01435.1	1349	45942	0	963	1009	95 -	3	987	12695	13701
UN35725	Rsa1.0.00020.1	477	283099	6.00E-41	95	98	96 -	373	470	96154	96251
UN35726	Rsa1.0.01311.1	916	48456	0	912	916	99 +	1	916	27618	28533
UN35727	Rsa1.0.09923.1	921	6089	1.00E-159	296	300	98 -	299	598	465	764
UN35728	Rsa1.0.00029.1	458	272992	2.00E-22	94	107	87 -	1	107	171190	171296
UN35729	Rsa1.0.01046.1	677	152989	1.00E-179	351	362	96 +	100	461	124876	125237
UN35730	Rsa1.0.01766.1	878	39617	0	439	440	99 -	1	440	26519	26958
UN35731	Rsa1.0.00134.1	936	390219	0	400	425	94 -	479	894	12462	12886
UN35732	Rsa1.0.00099.1	1089	159619	0	905	909	99 -	1	909	68689	69597
UN35733	Rsa1.0.00397.1	625	88189	0	480	521	92 -	100	613	25492	26011
UN35734	Rsa1.0.00979.1	512	57733	1.00E-173	310	311	99 +	200	510	19565	19875
UN35735	Rsa1.0.02924.1	738	26736	0	458	459	99 -	1	459	17552	18010
UN35736	Rsa1.0.00316.1	471	96264	0	378	385	98 -	1	382	23991	24375
UN35737	Rsa1.0.00490.1	742	186713	1.00E-159	361	380	95 -	1	378	23331	23702
UN35738	Rsa1.0.00295.1	810	152597	1.00E-150	273	274	99 -	117	390	19568	19841
UN35739	Rsa1.0.17645.1	1010	1775	0	478	488	97 -	206	693	8	495
UN35740	Rsa1.0.11413.1	1052	5515	0	873	919	94 +	149	1052	1	918
UN35741	Rsa1.0.01707.1	573	40686	3.00E-77	169	175	96 -	137	310	17545	17719
UN35742	Rsa1.0.00157.1	1018	245832	0	727	730	99 -	4	733	56488	57217
UN35743	Rsa1.0.00692.1	388	68151	1.00E-127	233	234	99 +	154	387	59145	59378
UN35744	Rsa1.0.36752.1	1321	613	0	563	566	99 +	1	566	48	613
UN35745	Rsa1.0.00454.1	616	216970	0	419	424	98 -	1	424	177589	178012
UN35746	Rsa1.0.00980.1	1226	57729	0	823	887	92 +	17	847	51461	52347
UN35747	Rsa1.0.11111.1	765	5612	1.00E-178	322	324	99 +	1	324	5289	5612
UN35748	Rsa1.0.00363.1	725	90968	2.00E-76	175	184	95 -	495	678	29698	29878
UN35749	Rsa1.0.00098.1	736	349239	3.00E-28	159	189	84 +	543	730	144002	144190
UN35750	Rsa1.0.09141.1	823	6612	0	554	557	99 -	4	560	2899	3454
UN35751	Rsa1.0.00310.1	1073	96852	0	1067	1074	99 +	1	1072	63138	64211
UN35752	Rsa1.0.01476.1	888	172928	0	380	386	98 -	1	385	160622	161006
UN35753	Rsa1.0.02299.1	740	32857	1.00E-125	251	259	96 -	173	431	20632	20890
UN35754	Rsa1.0.00270.1	698	101236	0	390	392	99 +	4	395	64727	65118
UN35755	Rsa1.0.00346.1	671	93130	1.00E-159	354	374	94 -	1	370	41611	41983
UN35756	Rsa1.0.71302.1	517	321	6.00E-69	178	193	92 +	30	217	106	298
UN35757	Rsa1.0.02605.1	687	29637	0	377	377	100 -	306	682	14684	15060
UN35758	Rsa1.0.00191.1	919	316976	0	910	918	99 +	2	919	131684	132601
UN35759	Rsa1.0.01510.1	765	44237	1.00E-155	296	302	98 +	135	436	19983	20284
UN35760	Rsa1.0.00316.1	795	96264	0	359	364	98 -	296	659	4079	4442
UN35761	Rsa1.0.01720.1	652	40358	1.00E-108	214	219	97 -	10	228	35263	35481

UN35762	Rsa1.0.00436.1	908	85008	1.00E-131	247	250	98 -	280	529	84011	84260
UN35763	Rsa1.0.00093.1	588	214962	1.00E-110	202	202	100 -	387	588	40811	41012
UN35764	Rsa1.0.00181.1	715	114269	0	704	714	98 +	2	715	2288	3001
UN35765	Rsa1.0.01162.1	1185	169104	0	528	541	97 -	645	1183	133960	134497
UN35766	Rsa1.0.00046.1	721	320315	0	579	619	93 -	3	611	47138	47746
UN35767	Rsa1.0.09164.1	831	6595	0	407	410	99 +	3	412	6186	6595
UN35768	Rsa1.0.00456.1	549	82826	1.00E-152	342	361	94 +	1	360	21374	21727
UN35769	Rsa1.0.00439.1	406	142776	0	394	411	95 -	1	405	6027	6437
UN35770	Rsa1.0.00138.1	553	247040	1.00E-158	320	330	96 -	1	328	230305	230633
UN35771	Rsa1.0.02392.1	1128	152517	0	1106	1132	97 +	1	1128	30697	31825
UN35772	Rsa1.0.02197.1	1124	33996	1.00E-150	317	330	96 -	1	330	2586	2913
UN35773	Rsa1.0.00798.1	1042	63945	0	351	352	99 -	1	352	14939	15290
UN35774	Rsa1.0.00692.1	771	68151	1.00E-70	183	197	92 -	51	242	21973	22169
UN35775	Rsa1.0.04189.1	710	18584	0	442	446	99 -	1	446	11571	12016
UN35776	Rsa1.0.05396.1	674	13893	0	339	344	98 +	278	621	5445	5788
UN35777	Rsa1.0.02298.1	832	32872	1.00E-162	302	306	98 +	183	488	1913	2218
UN35778	Rsa1.0.51929.1	1066	438	0	406	424	95 +	399	822	15	438
UN35779	Rsa1.0.05864.1	382	12387	1.00E-108	284	309	91 +	21	328	4321	4625
UN35780	Rsa1.0.05541.1	1049	139959	0	409	431	94 +	549	975	134704	135134
UN35781	Rsa1.0.01180.1	746	51517	1.00E-153	286	290	98 -	7	296	21836	22125
UN35782	Rsa1.0.00522.1	977	78103	1.00E-121	280	299	93 -	680	975	67060	67358
UN35783	Rsa1.0.05648.1	327	13049	6.00E-65	135	138	97 +	189	326	11501	11638
UN35784	Rsa1.0.02551.1	1048	30196	0	594	605	98 -	1	603	15919	16521
UN35785	Rsa1.0.06062.1	755	11836	1.00E-135	248	249	99 +	1	249	5286	5534
UN35786	Rsa1.0.00489.1	541	80434	1.00E-144	295	304	97 -	1	303	45533	45835
UN35787	Rsa1.0.00360.1	996	91190	1.00E-137	248	248	100 -	2	249	67266	67513
UN35788	Rsa1.0.01083.1	920	54617	0	902	922	97 -	1	919	19810	20726
UN35789	Rsa1.0.00415.1	1196	86795	1.00E-118	223	225	99 -	186	410	49663	49887
UN35790	Rsa1.0.01999.1	822	36237	0	432	454	95 -	1	454	15342	15788
UN35791	Rsa1.0.02317.1	903	32600	0	856	905	94 +	1	903	9038	9933
UN35792	Rsa1.0.00540.1	432	76895	1.00E-155	317	325	97 -	6	327	69487	69810
UN35793	Rsa1.0.00017.1	1261	752458	0	717	728	98 -	542	1260	425226	425953
UN35794	Rsa1.0.00008.1	961	358124	0	606	606	100 -	353	958	19990	20595
UN35795	Rsa1.0.00006.1	767	396176	0	704	706	99 -	11	716	359677	360381
UN35796	Rsa1.0.00745.1	1148	66067	0	1028	1076	95 -	78	1147	3389	4464
UN35797	Rsa1.0.48236.1	631	469	0	450	457	98 +	176	630	1	456
UN35798	Rsa1.0.03370.1	972	23379	0	416	416	100 +	555	970	10129	10544
UN35799	Rsa1.0.00016.1	644	831256	1.00E-107	226	236	95 -	1	230	690203	690438
UN35800	Rsa1.0.11719.1	516	5430	2.00E-50	161	177	90 +	23	197	2085	2259

UN35801	Rsa1.0.00070.1	1296	150321	0	1199	1294	92 -	8	1294	67133	68415
UN35802	Rsa1.0.00341.1	903	249309	0	391	396	98 -	507	902	17600	17995
UN35803	Rsa1.0.00104.1	593	368722	2.00E-84	162	163	99 -	322	484	73427	73589
UN35804	Rsa1.0.01317.1	319	48287	1.00E-179	318	318	100 -	1	318	11995	12312
UN35805	Rsa1.0_00336.1	752	445051	0	502	513	97 +	1	513	183752	184264
UN35806	#	#	#	#	#	#	#	#	#	#	#
UN35807	Rsa1.0.01950.1	526	36950	1.00E-111	207	208	99 +	319	526	20401	20608
UN35808	Rsa1.0.00166.1	1041	240912	0	1030	1040	99 -	1	1039	147610	148649
UN35809	Rsa1.0.00332.1	869	94575	0	445	449	99 -	420	868	52719	53167
UN35810	Rsa1.0.01214.1	730	50599	1.00E-153	280	282	99 -	7	288	42112	42393
UN35811	Rsa1.0.03898.1	790	20183	0	624	665	93 +	1	642	3022	3682
UN35812	Rsa1.0.00650.1	482	70235	0	478	481	99 -	1	481	44437	44917
UN35813	Rsa1.0.49212.1	723	461	1.00E-117	226	230	98 +	322	551	95	324
UN35814	Rsa1.0.00273.1	903	326186	0	465	487	95 +	9	490	110728	111209
UN35815	Rsa1.0.00548.1	769	76518	0	596	604	98 -	2	605	4570	5173
UN35816	Rsa1.0.00580.1	888	74515	0	773	790	97 -	3	792	21261	22050
UN35817	Rsa1.0.00277.1	1111	100132	3.00E-91	303	344	88 -	563	901	91746	92088
UN35818	Rsa1.0.00655.1	665	195840	2.00E-84	182	189	96 +	424	612	27135	27320
UN35819	Rsa1.0_13225.1	1065	4965	1.00E-109	744	925	80 +	103	1027	3968	4892
UN35820	Rsa1.0.01651.1	774	41586	0	574	594	96 -	12	598	19156	19747
UN35821	Rsa1.0.00096.1	671	198773	0	655	672	97 -	1	670	97966	98637
UN35822	Rsa1.0.01933.1	1240	37172	0	588	618	95 +	1	613	5056	5673
UN35823	Rsa1.0_00867.1	730	61635	1.00E-169	326	333	97 -	173	504	41702	42034
UN35824	Rsa1.0.00914.1	952	59880	0	405	406	99 -	1	406	13706	14111
UN35825	Rsa1.0.00594.1	913	73729	0	453	456	99 +	6	460	19027	19482
UN35826	Rsa1.0.08336.1	1277	7518	0	762	767	99 -	513	1276	6243	7009
UN35827	Rsa1.0.09003.1	539	6717	1.00E-153	277	278	99 +	1	278	1097	1374
UN35828	Rsa1.0.00452.1	1279	83201	0	1252	1280	97 -	2	1279	65901	67172
UN35829	Rsa1.0.01226.1	775	50316	0	766	776	98 +	1	775	34927	35695
UN35830	Rsa1.0.00576.1	823	178949	0	783	823	95 +	1	821	29822	30641
UN35831	Rsa1.0_15901.1	463	2368	1.00E-180	402	428	93 -	6	425	844	1268
UN35832	Rsa1.0.04854.1	788	131560	1.00E-71	193	213	90 -	581	781	9360	9569
UN35833	Rsa1.0.00776.1	719	64637	2.00E-88	177	180	98 -	482	661	10547	10723
UN35834	Rsa1.0.00069.1	1050	403561	0	359	359	100 -	2	360	84307	84665
UN35835	#	#	#	#	#	#	#	#	#	#	#
UN35836	Rsa1.0.02194.1	831	34029	1.00E-166	339	352	96 +	479	828	28372	28723
UN35837	Rsa1.0.04556.1	1017	16864	0	600	602	99 -	416	1016	16263	16864
UN35838	Rsa1.0.00048.1	1303	167185	1.00E-149	342	370	92 +	1	350	129431	129800
UN35839	Rsa1.0_00225.1	943	105892	1.00E-144	303	314	96 +	403	714	82251	82562

UN35840	Rsa1.0_10946.1	682	5668	0	675	680	99 +	1	680	3420	4099
UN35841	Rsa1.0_02629.1	454	29350	1.00E-170	319	323	98 -	1	322	12412	12734
UN35842	Rsa1.0_05661.1	1191	13011	0	549	550	99 -	491	1040	823	1372
UN35843	Rsa1.0_00781.1	508	64480	0	421	430	97 -	78	507	15003	15425
UN35844	Rsa1.0_02767.1	1189	28111	0	334	335	99 +	1	335	15426	15760
UN35845	Rsa1.0_26622.1	1166	884	0	417	445	93 -	500	930	273	717
UN35846	Rsa1.0_05062.1	833	14960	0	602	614	98 -	3	615	9399	10012
UN35847	Rsa1.0_01844.1	819	38421	0	751	760	98 +	39	798	32027	32786
UN35848	#	#	#	#	#	#	#	#	#	#	#
UN35849	Rsa1.0_00992.1	745	57419	0	619	632	97 -	1	632	23490	24121
UN35850	Rsa1.0_00300.1	684	97747	0	432	432	100 +	1	432	22868	23299
UN35851	Rsa1.0_05162.1	392	14631	3.00E-98	247	266	92 +	10	264	9833	10097
UN35852	Rsa1.0_01052.1	677	55548	1.00E-18	65	69	94 +	486	553	21050	21118
UN35853	Rsa1.0_00002.1	739	601661	0	574	607	94 +	132	738	594424	595027
UN35854	Rsa1.0_00383.1	846	398431	1.00E-117	290	311	93 +	510	819	152676	152984
UN35855	Rsa1.0_00646.1	459	70473	5.00E-66	291	342	85 +	61	391	2865	3202
UN35856	Rsa1.0_01526.1	802	43919	1.00E-89	215	227	94 -	17	240	27335	27560
UN35857	Rsa1.0_00427.1	760	189678	1.00E-144	283	292	96 +	476	759	24464	24755
UN35858	Rsa1.0_18057.1	766	1681	0	602	615	97 +	152	765	1	615
UN35859	Rsa1.0_01820.1	681	38804	0	387	390	99 +	290	679	18826	19215
UN35860	Rsa1.0_35058.1	717	645	1.00E-143	258	258	100 +	1	258	388	645
UN35861	Rsa1.0_00657.1	658	69858	1.00E-117	220	222	99 +	5	226	21953	22174
UN35862	Rsa1.0_00672.1	1033	69358	0	998	1030	96 -	3	1031	22334	23358
UN35863	Rsa1.0_00274.1	660	210119	0	479	479	100 -	1	479	67083	67561
UN35864	Rsa1.0_00224.1	561	327530	0	424	425	99 +	3	427	212009	212432
UN35865	Rsa1.0_04592.1	583	16716	0	577	582	99 +	1	582	15435	16016
UN35866	Rsa1.0_01564.1	956	43169	1.00E-176	363	379	95 -	225	600	39700	40078
UN35867	Rsa1.0_00722.1	466	66840	8.00E-96	247	267	92 +	1	264	13961	14219
UN35868	Rsa1.0_00516.1	1352	78417	0	1265	1303	97 -	6	1300	73599	74901
UN35869	Rsa1.0_02262.1	257	33239	5.00E-77	185	197	93 +	4	198	7558	7754
UN35870	Rsa1.0_00160.1	1091	346678	7.00E-52	314	386	81 -	74	447	171541	171926
UN35871	Rsa1.0_02562.1	783	30061	0	723	737	98 -	2	737	80	816
UN35872	Rsa1.0_14067.1	864	3845	0	862	872	98 +	2	864	2853	3724
UN35873	Rsa1.0_00818.1	646	62939	1.00E-169	383	406	94 -	81	480	53239	53643
UN35874	Rsa1.0_01110.1	1323	195852	0	561	584	96 -	3	583	33573	34146
UN35875	Rsa1.0_00273.1	937	326186	0	598	609	98 -	329	937	147850	148456
UN35876	Rsa1.0_07745.1	521	8662	3.00E-92	369	430	85 +	9	435	2368	2789
UN35877	Rsa1.0_00467.1	657	156542	0	467	483	96 -	176	655	125582	126061
UN35878	Rsa1.0_00796.1	761	63997	1.00E-98	235	249	94 -	428	674	58142	58387

UN35879	Rsa1.0_00638.1	748	71037	2.00E-54	369	451	81 -	170	602	21621	22053
UN35880	Rsa1.0_00081.1	671	143261	0	508	511	99 +	3	513	97398	97908
UN35881	Rsa1.0_01549.1	1170	43543	0	1150	1163	98 +	2	1164	23533	24691
UN35882	Rsa1.0_18368.1	166	1614	4.00E-86	164	165	99 -	2	166	736	900
UN35883	Rsa1.0_03586.1	374	21913	0	368	375	98 +	3	374	10388	10762
UN35884	Rsa1.0_10589.1	965	5793	0	606	637	95 +	337	964	4693	5324
UN35885	Rsa1.0_00100.1	717	249232	0	698	702	99 -	16	717	165820	166521
UN35886	Rsa1.0_01077.1	670	54772	7.00E-26	70	73	95 -	66	138	46678	46750
UN35887	Rsa1.0_03011.1	866	26048	1.00E-158	320	331	96 +	2	331	17514	17844
UN35888	Rsa1.0_00293.1	691	339294	1.00E-61	146	153	95 -	161	312	303520	303672
UN35889	Rsa1.0_06388.1	366	11110	0	356	363	98 -	4	365	10661	11023
UN35890	Rsa1.0_00002.1	1044	601661	0	512	522	98 +	151	672	149091	149612
UN35891	Rsa1.0_00251.1	892	303968	0	546	581	93 -	2	573	281097	281665
UN35892	Rsa1.0_02431.1	1106	31504	1.00E-176	365	381	95 -	674	1053	3649	4029
UN35893	Rsa1.0_01100.1	901	54113	1.00E-109	226	233	96 -	1	233	15065	15296
UN35894	Rsa1.0_00771.1	875	64870	0	863	875	98 -	2	875	8443	9316
UN35895	Rsa1.0_55414.1	526	412	5.00E-85	213	228	93 -	25	252	187	412
UN35896	Rsa1.0_00576.1	901	178949	0	461	463	99 +	439	901	151241	151703
UN35897	Rsa1.0_08209.1	775	7718	0	549	558	98 -	11	568	5210	5766
UN35898	Rsa1.0_01290.1	841	49179	0	570	604	94 -	1	602	18710	19313
UN35899	Rsa1.0_01435.1	987	45942	0	979	986	99 +	3	987	32314	33298
UN35900	Rsa1.0_00491.1	652	80219	1.00E-86	178	183	97 -	356	538	17117	17299
UN35901	Rsa1.0_01274.1	650	49419	0	378	388	97 +	263	650	24409	24796
UN35902	Rsa1.0_24177.1	165	1002	8.00E-81	161	164	98 +	2	165	575	738
UN35903	Rsa1.0_00868.1	901	61630	0	886	900	98 -	3	901	58159	59058
UN35904	Rsa1.0_00023.1	764	194764	0	488	499	97 -	264	762	140141	140636
UN35905	Rsa1.0_03566.1	737	22050	0	474	477	99 +	261	737	7482	7958
UN35906	Rsa1.0_00175.1	520	166121	1.00E-115	229	235	97 -	3	237	34190	34424
UN35907	Rsa1.0_06631.1	407	10632	6.00E-81	215	241	89 +	167	407	3907	4126
UN35908	Rsa1.0_08008.1	712	8086	5.00E-95	202	209	96 -	501	709	2499	2706
UN35909	Rsa1.0_00039.1	803	296927	0	387	388	99 -	416	803	228952	229339
UN35910	Rsa1.0_00046.1	521	320315	0	456	469	97 +	53	521	63595	64061
UN35911	Rsa1.0_02212.1	343	33840	1.00E-81	227	254	89 +	76	328	20539	20770
UN35912	Rsa1.0_01904.1	904	37450	0	683	726	94 -	158	880	3975	4691
UN35913	Rsa1.0_01843.1	611	265131	0	568	614	92 -	1	611	19938	20536
UN35914	Rsa1.0_03388.1	707	23277	0	378	385	98 -	323	707	507	890
UN35915	Rsa1.0_00019.1	997	301669	0	599	619	96 +	378	996	209811	210429
UN35916	Rsa1.0_00121.1	1135	278029	0	643	658	97 -	1	652	253531	254185
UN35917	Rsa1.0_17692.1	951	1764	0	359	363	98 +	588	949	1241	1603

UN35918	Rsa1.0.01884.1	1031	37659	0	370	384	96 -	3	386	8705	9088
UN35919	Rsa1.0.06508.1	753	10874	1.00E-135	251	253	99 +	3	255	342	594
UN35920	Rsa1.0.00098.1	811	349239	0	474	474	100 -	336	809	313628	314101
UN35921	Rsa1.0.03843.1	1077	20496	1.00E-106	296	335	88 +	127	449	8116	8435
UN35922	Rsa1.0.02808.1	693	27677	0	656	673	97 -	4	676	26674	27345
UN35923	Rsa1.0.00264.1	914	101674	0	560	562	99 -	1	562	26830	27391
UN35924	Rsa1.0.02860.1	787	27207	0	383	406	94 -	66	471	17298	17688
UN35925	Rsa1.0.00234.1	899	197060	0	371	378	98 -	3	378	149581	149958
UN35926	Rsa1.0.01182.1	1127	167304	0	396	408	97 -	730	1127	19181	19588
UN35927	Rsa1.0.00419.1	704	86562	0	682	714	95 +	2	704	80552	81260
UN35928	Rsa1.0.00032.1	492	306326	0	393	411	95 -	82	490	142024	142429
UN35929	Rsa1.0.00645.1	1048	189716	0	630	652	96 -	403	1048	158308	158959
UN35930	#	#	#	#	#	#	#	#	#	#	#
UN35931	Rsa1.0.01072.1	701	55068	0	646	655	98 +	1	655	3298	3952
UN35932	Rsa1.0.00096.1	311	198773	1.00E-136	294	307	95 -	2	305	14798	15101
UN35933	Rsa1.0.00556.1	624	207212	0	584	596	97 -	25	620	158522	159116
UN35934	Rsa1.0.03081.1	737	25523	0	648	691	93 +	49	737	480	1154
UN35935	Rsa1.0.02982.1	426	26270	0	420	423	99 -	3	425	24730	25152
UN35936	Rsa1.0.03956.1	895	19872	0	845	875	96 -	1	874	9577	10450
UN35937	Rsa1.0.39645.1	759	567	0	530	544	97 +	217	759	1	544
UN35938	Rsa1.0.00002.1	683	601661	0	586	627	93 +	66	683	107870	108490
UN35939	Rsa1.0.00087.1	1180	761073	1.00E-130	236	236	100 -	942	1177	239560	239795
UN35940	Rsa1.0.01941.1	638	37069	1.00E-139	269	275	97 -	51	325	33882	34156
UN35941	Rsa1.0.00677.1	828	69159	1.00E-171	389	415	93 -	416	827	54685	55098
UN35942	Rsa1.0.00961.1	845	58185	1.00E-137	316	335	94 -	511	845	18033	18364
UN35943	Rsa1.0.01140.1	242	52586	8.00E-82	154	154	100 +	88	241	46520	46673
UN35944	Rsa1.0.00020.1	926	283099	1.00E-123	268	280	95 +	648	925	185305	185584
UN35945	Rsa1.0.02213.1	1090	33824	0	454	482	94 +	592	1064	12826	13307
UN35946	Rsa1.0.02141.1	827	34677	0	585	611	95 +	2	610	27045	27650
UN35947	Rsa1.0.00157.1	774	245832	1.00E-157	373	406	91 -	124	518	76910	77304
UN35948	Rsa1.0.00132.1	730	124299	1.00E-95	187	190	98 -	321	510	114672	114861
UN35949	Rsa1.0.04860.1	783	15696	0	744	760	97 -	3	761	1884	2641
UN35950	Rsa1.0.01725.1	631	40290	1.00E-141	307	321	95 -	4	324	16287	16602
UN35951	Rsa1.0.01561.1	792	43227	1.00E-110	224	231	96 -	1	231	38800	39030
UN35952	Rsa1.0.04103.1	503	19048	0	485	493	98 +	11	503	15494	15985
UN35953	Rsa1.0.15795.1	664	2418	1.00E-118	248	256	96 -	410	664	2164	2418
UN35954	Rsa1.0.17553.1	884	1798	0	857	889	96 +	9	884	572	1460
UN35955	Rsa1.0.02928.1	674	26680	0	647	673	96 -	2	674	10523	11195
UN35956	Rsa1.0.00426.1	917	85668	0	900	915	98 +	3	917	57112	58024

UN35957	Rsa1.0.00512.1	736	200277	1.00E-101	190	191	99 -	163	353	36889	37079
UN35958	Rsa1.0.00765.1	756	65029	2.00E-91	295	331	89 +	440	756	40889	41219
UN35959	Rsa1.0.00991.1	870	143101	1.00E-166	310	313	99 -	125	437	30720	31031
UN35960	Rsa1.0.01382.1	705	46877	0	675	702	96 -	3	703	22286	22986
UN35961	Rsa1.0.00158.1	703	117999	0	671	710	94 +	3	703	77463	78171
UN35962	Rsa1.0.16735.1	595	2050	1.00E-149	378	413	91 +	183	594	1088	1497
UN35963	Rsa1.0.01529.1	628	43871	2.00E-88	240	259	92 -	371	627	26085	26337
UN35964	Rsa1.0.00423.1	1012	86138	0	954	1020	93 -	2	1012	17584	18603
UN35965	Rsa1.0.49520.1	897	458	1.00E-162	309	314	98 +	8	320	1	314
UN35966	Rsa1.0.00425.1	1194	147080	0	1080	1109	97 -	56	1161	115552	116658
UN35967	Rsa1.0.03072.1	550	25577	3.00E-89	216	230	93 +	321	548	14936	15164
UN35968	Rsa1.0.00179.1	1329	393324	0	1293	1337	96 -	2	1328	342272	343605
UN35969	Rsa1.0.01287.1	746	49195	0	735	754	97 +	3	746	46615	47368
UN35970	Rsa1.0.02835.1	892	27491	0	327	327	100 -	1	327	15923	16249
UN35971	Rsa1.0.03638.1	833	21634	1.00E-151	294	300	98 -	521	819	575	874
UN35972	Rsa1.0.00079.1	792	606987	0	777	797	97 +	4	792	120614	121406
UN35973	Rsa1.0.00472.1	778	398134	0	761	778	97 +	1	778	260609	261386
UN35974	Rsa1.0.00373.1	614	90296	8.00E-78	178	188	94 -	244	431	19601	19788
UN35975	Rsa1.0.00012.1	724	222148	2.33E-156	281	287	97 +	67	353	67976	68262
UN35976	Rsa1.0.00275.1	729	210104	1.00E-158	304	311	97 -	415	725	172122	172432
UN35977	Rsa1.0.00016.1	853	831256	1.00E-128	247	251	98 -	601	851	645565	645813
UN35978	Rsa1.0.00385.1	853	89160	0	371	377	98 -	480	852	88394	88770
UN35979	Rsa1.0.00077.1	879	145005	0	471	495	95 -	2	496	109765	110259
UN35980	Rsa1.0.01286.1	739	49209	0	330	333	99 -	407	739	8851	9183
UN35981	Rsa1.0.04594.1	1098	16713	1.00E-105	201	203	99 +	589	791	11582	11784
UN35982	Rsa1.0.03027.1	700	25883	0	525	538	97 -	168	700	9356	9891
UN35983	#	#	#	#	#	#	#	#	#	#	#
UN35984	Rsa1.0.13350.1	1180	4897	0	929	960	96 +	2	958	2724	3680
UN35985	Rsa1.0.00920.1	272	601703	1.00E-123	244	251	97 -	22	272	439768	440018
UN35986	Rsa1.0.00596.1	673	73578	0	417	443	94 -	231	673	43500	43936
UN35987	Rsa1.0.00525.1	823	78030	0	400	407	98 -	417	823	33964	34370
UN35988	Rsa1.0.01137.1	360	52655	0	355	359	98 +	2	360	50115	50472
UN35989	Rsa1.0.00365.1	1200	90902	0	689	722	95 -	2	712	3989	4710
UN35990	Rsa1.0.05768.1	771	141760	0	344	346	99 -	2	347	1	346
UN35991	Rsa1.0.00737.1	783	66432	1.00E-143	270	274	98 +	509	782	25538	25811
UN35992	Rsa1.0.00502.1	1017	204180	0	462	482	95 +	453	933	76262	76743
UN35993	Rsa1.0.03178.1	691	24798	1.00E-107	278	304	91 +	401	691	7587	7886
UN35994	Rsa1.0.02717.1	447	28458	1.00E-101	225	235	95 -	217	447	24977	25208
UN35995	Rsa1.0.11663.1	1099	5446	0	888	925	96 -	179	1099	4522	5446

UN35996	Rsa1.0.00022.1	1160	200461	0	778	843	92 +	332	1160	147780	148619
UN35997	Rsa1.0.00109.1	535	132735	3.00E-89	298	339	87 +	30	367	38694	39031
UN35998	Rsa1.0.00301.1	707	365315	0	399	417	95 +	1	411	185299	185715
UN35999	Rsa1.0.08334.1	1227	7525	0	1127	1177	95 +	63	1225	1522	2691
UN36000	Rsa1.0.00401.1	722	244410	0	576	595	96 -	132	722	166020	166614
UN36001	Rsa1.0.00860.1	691	61789	0	467	505	92 -	2	501	18582	19084
UN36002	Rsa1.0.22724.1	992	1100	0	885	914	96 +	87	990	1	901
UN36003	Rsa1.0.00275.1	708	210104	1.00E-137	433	492	88 -	206	697	190479	190968
UN36004	Rsa1.0.00963.1	968	58176	0	779	830	93 +	145	966	25292	26116
UN36005	Rsa1.0.03389.1	670	23273	1.00E-153	421	469	89 +	170	621	14232	14699
UN36006	Rsa1.0.04773.1	645	16037	0	605	673	89 +	3	645	9922	10583
UN36007	Rsa1.0.07568.1	1120	9108	1.00E-108	296	327	90 -	281	607	4538	4863
UN36008	Rsa1.0.00287.1	894	98687	5.00E-52	138	149	92 -	332	480	30464	30612
UN36009	Rsa1.0.01350.1	1240	47503	0	415	416	99 +	3	418	28072	28487
UN36010	Rsa1.0.00048.1	661	167185	1.00E-104	213	217	98 +	325	540	2647	2862
UN36011	Rsa1.0.00397.1	770	88189	1.00E-161	420	459	91 +	5	453	25632	26090
UN36012	Rsa1.0.02202.1	707	33961	0	436	439	99 +	258	696	30970	31408
UN36013	Rsa1.0.28998.1	793	796	1.00E-151	300	309	97 +	2	306	2	310
UN36014	Rsa1.0.00419.1	1083	86562	1.00E-174	340	350	97 -	441	790	73557	73906
UN36015	Rsa1.0.01081.1	512	499226	0	424	448	94 -	1	446	332336	332783
UN36016	Rsa1.0.02299.1	1199	32857	1.00E-123	234	237	98 -	714	950	18267	18503
UN36017	Rsa1.0.00407.1	415	191544	0	402	416	96 +	2	415	42285	42697
UN36018	Rsa1.0.00534.1	856	77361	0	585	620	94 +	245	856	39466	40075
UN36019	Rsa1.0.04762.1	607	16101	0	408	426	95 -	183	605	9033	9450
UN36020	Rsa1.0.00383.1	1061	398431	0	685	689	99 +	1	689	9845	10533
UN36021	Rsa1.0.05905.1	675	12277	0	656	670	97 +	1	668	3	670
UN36022	Rsa1.0.12420.1	385	5230	0	376	384	97 +	2	385	2380	2763
UN36023	Rsa1.0.00897.1	437	60498	2.00E-81	248	278	89 +	2	278	37627	37904
UN36024	Rsa1.0.00008.1	1167	358124	0	515	563	91 -	3	554	294531	295064
UN36025	Rsa1.0.01193.1	758	51147	0	368	377	97 +	382	758	26420	26796
UN36026	Rsa1.0.00175.1	705	166121	0	433	443	97 +	263	704	154618	155059
UN36027	Rsa1.0.14634.1	908	3205	1.00E-179	325	327	99 +	3	329	641	967
UN36028	Rsa1.0.00425.1	1040	147080	1.00E-145	285	292	97 +	3	292	123918	124209
UN36029	Rsa1.0.00186.1	709	112669	4.00E-92	214	227	94 +	446	670	10420	10646
UN36030	Rsa1.0.04200.1	917	18490	8.00E-76	163	169	96 -	435	603	10181	10349
UN36031	Rsa1.0.12555.1	871	5193	0	632	663	95 -	1	662	177	838
UN36032	Rsa1.0.07990.1	371	8119	1.00E-157	313	321	97 +	51	371	125	443
UN36033	Rsa1.0.01224.1	638	50388	5.00E-39	178	206	86 -	103	307	39669	39871
UN36034	Rsa1.0.02098.1	452	35032	1.00E-177	428	459	93 -	9	452	725	1183

UN36035	Rsa1.0.00448.1	426	84048	0	403	424	95 +	3	426	3251	3660
UN36036	Rsa1.0.00997.1	1221	57190	0	397	417	95 +	806	1219	24145	24554
UN36037	Rsa1.0.01058.1	789	55430	0	773	793	97 +	2	789	6159	6949
UN36038	Rsa1.0.00065.1	836	454616	0	444	462	96 +	280	741	43207	43661
UN36039	Rsa1.0.15486.1	418	2580	0	408	411	99 +	2	412	190	600
UN36040	Rsa1.0.00825.1	824	62855	0	799	833	95 -	1	824	19013	19834
UN36041	Rsa1.0.07600.1	701	9052	0	564	588	95 -	11	591	4780	5367
UN36042	Rsa1.0.00150.1	1163	154416	1.00E-105	227	237	95 -	214	447	119855	120091
UN36043	Rsa1.0.03436.1	462	22958	1.00E-108	241	259	93 -	149	391	474	732
UN36044	Rsa1.0.00022.1	692	200461	0	671	695	96 +	2	688	159519	160213
UN36045	Rsa1.0.00033.1	558	515811	0	547	556	98 -	3	558	361303	361858
UN36046	Rsa1.0.08021.1	752	8074	0	737	750	98 +	2	746	3011	3755
UN36047	Rsa1.0.00980.1	714	57729	1.00E-112	296	330	89 +	382	711	49031	49333
UN36048	Rsa1.0.02858.1	453	27246	0	381	392	97 +	68	452	23723	24114
UN36049	Rsa1.0.02548.1	736	30228	0	379	389	97 +	325	713	1406	1792
UN36050	Rsa1.0.01206.1	818	50772	0	514	522	98 -	89	607	27499	28020
UN36051	Rsa1.0.10367.1	860	5872	0	612	656	93 +	12	658	1066	1716
UN36052	Rsa1.0.00361.1	713	91181	1.00E-109	220	227	96 -	493	713	42383	42609
UN36053	Rsa1.0.00055.1	761	520193	0	428	447	95 -	2	448	278540	278971
UN36054	Rsa1.0.03570.1	1043	22040	0	932	957	97 +	88	1043	2120	3074
UN36055	Rsa1.0.00217.1	939	107079	0	905	947	95 +	2	939	99278	100215
UN36056	Rsa1.0.04987.1	876	15224	0	620	622	99 -	2	623	8899	9520
UN36057	Rsa1.0.00985.1	1313	161950	0	340	345	98 -	1	345	50364	50708
UN36058	Rsa1.0.00638.1	509	71037	0	355	356	99 +	1	356	40863	41218
UN36059	Rsa1.0.00018.1	694	410899	1.00E-147	271	272	99 +	2	272	366523	366794
UN36060	Rsa1.0.02336.1	788	32397	0	396	396	100 +	391	786	3835	4230
UN36061	Rsa1.0.02286.1	1195	32993	3.00E-29	127	147	86 +	408	554	6616	6762
UN36062	Rsa1.0.08992.1	661	6727	0	370	372	99 -	1	372	1	372
UN36063	Rsa1.0.05164.1	1086	14628	0	1063	1086	97 +	1	1086	3628	4713
UN36064	Rsa1.0.17525.1	850	1808	0	811	817	99 -	3	819	1	817
UN36065	Rsa1.0.02505.1	1184	30703	1.00E-151	298	307	97 +	1	301	7637	7943
UN36066	Rsa1.0.02467.1	516	31141	0	513	514	99 -	1	514	12477	12990
UN36067	Rsa1.0.00530.1	1261	77389	0	1239	1267	97 -	1	1261	13592	14850
UN36068	Rsa1.0.03633.1	699	21644	7.00E-91	176	178	98 -	522	699	3094	3271
UN36069	Rsa1.0.00018.1	685	410899	0	656	670	97 +	14	682	252378	253046
UN36070	Rsa1.0.00010.1	757	294827	0	745	754	98 -	7	755	168118	168871
UN36071	Rsa1.0.00094.1	969	139042	1.00E-116	241	250	96 -	493	742	38214	38460
UN36072	Rsa1.0.01239.1	600	50107	0	341	345	98 -	255	599	2698	3042
UN36073	Rsa1.0.00233.1	663	104918	0	587	588	99 +	73	660	97152	97739

UN36074	Rsa1.0_45560.1	688	495	1.00E-128	250	256	97 -	1	256	85	340
UN36075	Rsa1.0_02345.1	1342	32337	0	415	426	97 -	918	1340	18766	19191
UN36076	Rsa1.0_02786.1	232	27880	1.00E-106	195	195	100 -	36	230	27532	27726
UN36077	Rsa1.0_04910.1	870	15484	0	373	374	99 -	146	519	14541	14914
UN36078	Rsa1.0_11495.1	597	5485	0	592	595	99 +	3	597	4784	5377
UN36079	Rsa1.0_00013.1	735	292129	1.00E-100	420	491	85 +	18	496	92446	92929
UN36080	Rsa1.0_03305.1	275	147552	1.00E-145	273	277	98 -	1	273	7809	8085
UN36081	Rsa1.0_00064.1	571	240927	0	565	570	99 -	1	570	176180	176747
UN36082	Rsa1.0_01154.1	954	52249	0	651	691	94 -	1	685	15254	15938
UN36083	Rsa1.0_00410.1	1286	86957	0	1210	1241	97 -	10	1250	23529	24768
UN36084	Rsa1.0_01510.1	828	44237	0	425	442	96 -	18	459	16866	17306
UN36085	Rsa1.0_01650.1	898	41589	0	887	898	98 -	1	897	27913	28809
UN36086	Rsa1.0_00298.1	959	349131	0	470	477	98 -	1	477	322441	322917
UN36087	Rsa1.0_00758.1	874	65477	0	645	648	99 -	2	649	10622	11269
UN36088	Rsa1.0_00105.1	416	134138	7.00E-56	174	194	89 +	2	188	2411	2604
UN36089	Rsa1.0_09178.1	574	6578	0	340	342	99 -	231	572	1647	1987
UN36090	Rsa1.0_01769.1	830	39568	1.00E-171	401	434	92 -	405	825	32138	32571
UN36091	Rsa1.0_00008.1	703	358124	1.00E-21	81	89	91 +	608	696	3366	3452
UN36092	Rsa1.0_00107.1	694	431659	1.00E-170	316	319	99 -	2	319	85958	86276
UN36093	Rsa1.0_00017.1	1207	752458	1.00E-157	287	289	99 -	482	770	366273	366561
UN36094	Rsa1.0_00517.1	923	142790	0	917	928	98 -	2	923	138850	139777
UN36095	Rsa1.0_00037.1	1251	307838	0	1241	1254	98 +	1	1251	81418	82671
UN36096	Rsa1.0_00832.1	1308	62622	0	783	834	93 +	2	818	385	1203
UN36097	Rsa1.0_01605.1	683	42442	0	505	541	93 -	154	683	23549	24083
UN36098	Rsa1.0_00035.1	683	176449	0	410	420	97 -	260	679	158970	159389
UN36099	Rsa1.0_00549.1	820	76473	0	616	653	94 +	1	650	23809	24461
UN36100	Rsa1.0_01151.1	685	52268	1.00E-177	328	331	99 +	356	685	43301	43631
UN36101	Rsa1.0_00429.1	1059	85559	0	890	911	97 +	149	1059	73457	74360
UN36102	Rsa1.0_01488.1	850	44766	0	436	450	96 -	401	850	29321	29769
UN36103	Rsa1.0_00623.1	745	207630	0	728	745	97 -	2	745	160756	161500
UN36104	Rsa1.0_01683.1	887	41059	0	835	917	91 +	1	887	23958	24844
UN36105	Rsa1.0_14525.1	828	3302	0	826	827	99 -	2	828	728	1553
UN36106	Rsa1.0_11602.1	974	5461	1.00E-100	213	221	96 -	756	974	455	675
UN36107	Rsa1.0_00006.1	554	396176	0	400	408	98 -	147	554	313840	314247
UN36108	Rsa1.0_02388.1	449	31881	1.00E-137	379	417	90 +	2	417	15615	16025
UN36109	Rsa1.0_03594.1	773	21868	0	496	504	98 -	3	506	18813	19316
UN36110	Rsa1.0_03223.1	1210	24512	0	1108	1177	94 +	2	1159	12235	13411
UN36111	Rsa1.0_00160.1	437	346678	2.00E-19	97	110	88 -	327	435	251936	252044
UN36112	Rsa1.0_00128.1	752	228675	1.00E-180	400	424	94 -	293	710	67988	68411

UN36113	Rsa1.0.00897.1	747	60498	2.00E-72	160	167	95 +	456	622	52777	52943
UN36114	Rsa1.0.00770.1	555	64900	1.00E-163	303	307	98 +	249	555	55995	56301
UN36115	Rsa1.0.12167.1	938	5296	0	595	596	99 -	1	596	4230	4825
UN36116	Rsa1.0.05122.1	465	14791	0	457	464	98 -	1	464	8584	9047
UN36117	Rsa1.0.19354.1	995	1444	0	563	578	97 +	1	566	463	1040
UN36118	Rsa1.0.00293.1	407	339294	0	405	409	99 +	1	407	86024	86432
UN36119	Rsa1.0.02341.1	1005	32387	1.00E-134	650	787	82 +	256	1005	16274	17018
UN36120	Rsa1.0.02935.1	556	26621	3.00E-40	88	89	98 -	1	89	3940	4028
UN36121	Rsa1.0.06532.1	1036	10834	3.00E-60	119	119	100 -	159	277	25	143
UN36122	#	#	#	#	#	#	#	#	#	#	#
UN36123	Rsa1.0.08742.1	800	6974	0	757	794	95 +	6	799	3648	4440
UN36124	Rsa1.0.01685.1	1032	175033	0	450	460	97 -	7	465	15769	16224
UN36125	Rsa1.0.09399.1	611	6394	0	610	610	100 -	1	610	828	1437
UN36126	Rsa1.0.59589.1	950	384	1.00E-156	288	291	98 +	652	942	67	357
UN36127	Rsa1.0.11288.1	779	5556	0	504	525	96 +	258	774	2474	2997
UN36128	Rsa1.0.02079.1	708	35306	1.00E-177	378	395	95 -	1	392	29707	30101
UN36129	Rsa1.0.41181.1	1293	545	0	490	491	99 -	770	1260	1	491
UN36130	Rsa1.0.00645.1	964	189716	1.00E-102	237	251	94 +	2	250	20335	20582
UN36131	Rsa1.0.01900.1	934	37473	0	888	933	95 -	1	930	35180	36110
UN36132	Rsa1.0.09272.1	982	6512	0	530	552	96 -	430	981	5551	6102
UN36133	Rsa1.0.02515.1	341	30616	7.00E-80	154	155	99 -	2	156	3249	3403
UN36134	Rsa1.0.02790.1	581	27844	3.00E-83	337	397	84 -	170	566	11594	11990
UN36135	Rsa1.0.02114.1	976	34873	0	648	708	91 -	280	976	13142	13829
UN36136	Rsa1.0.02839.1	698	27391	0	458	472	97 -	227	696	15213	15678
UN36137	Rsa1.0.02865.1	765	27133	1.00E-12	78	91	85 +	235	325	12115	12205
UN36138	Rsa1.0.00878.1	516	330303	3.00E-40	122	133	91 +	356	488	118181	118312
UN36139	Rsa1.0.01522.1	781	157436	0	769	770	99 -	11	780	145266	146035
UN36140	Rsa1.0.00945.1	780	58714	0	435	459	94 +	1	457	30456	30912
UN36141	Rsa1.0.00010.1	889	294827	0	861	889	96 -	1	889	172574	173459
UN36142	Rsa1.0.05488.1	1087	13567	1.00E-139	258	260	99 +	535	794	9167	9426
UN36143	Rsa1.0.00014.1	289	348985	1.00E-128	232	232	100 -	1	232	298558	298789
UN36144	#	#	#	#	#	#	#	#	#	#	#
UN36145	Rsa1.0.01165.1	1099	51898	0	1058	1101	96 +	1	1097	37929	39021
UN36146	Rsa1.0.02371.1	434	32069	1.00E-143	268	270	99 -	3	271	31652	31921
UN36147	Rsa1.0.00037.1	900	307838	0	891	899	99 -	1	899	274111	275008
UN36148	Rsa1.0.26100.1	1000	906	0	618	651	94 +	110	756	1	647
UN36149	Rsa1.0.00002.1	603	601661	0	353	362	97 -	237	598	252449	252810
UN36150	Rsa1.0.00958.1	1428	58243	0	1423	1428	99 -	1	1428	47284	48711
UN36151	Rsa1.0.01420.1	228	46210	1.00E-126	228	228	100 +	1	228	23490	23717

UN36152	Rsa1.0.00560.1	791	75685	0	409	429	95 -	338	764	50954	51382
UN36153	Rsa1.0.03521.1	277	396204	1.00E-151	277	278	99 +	1	277	11948	12225
UN36154	Rsa1.0.00192.1	645	278200	1.00E-107	206	209	98 -	408	616	72268	72476
UN36155	Rsa1.0.00502.1	896	204180	0	872	888	98 +	6	893	34425	35302
UN36156	Rsa1.0.00632.1	955	183777	1.00E-108	206	208	99 +	748	955	5048	5255
UN36157	Rsa1.0.02309.1	855	32744	1.00E-173	391	416	93 +	437	852	20040	20442
UN36158	Rsa1.0.03449.1	1075	22839	1.00E-128	295	317	93 -	3	303	8635	8948
UN36159	Rsa1.0.00533.1	914	77375	0	910	914	99 -	1	914	65948	66860
UN36160	Rsa1.0.00637.1	1332	71038	1.00E-149	281	285	98 +	431	715	23549	23833
UN36161	Rsa1.0.04299.1	804	18027	0	355	357	99 -	1	357	1466	1822
UN36162	Rsa1.0.00116.1	600	365886	0	597	598	99 +	1	598	160095	160692
UN36163	Rsa1.0.00054.1	909	162053	1.00E-139	264	268	98 +	1	268	37293	37560
UN36164	Rsa1.0.01988.1	1155	36444	0	1084	1086	99 +	3	1088	12554	13639
UN36165	Rsa1.0.31019.1	1136	738	1.00E-162	357	378	94 +	751	1128	42	418
UN36166	Rsa1.0.17631.1	1046	1780	0	663	666	99 +	194	859	1	666
UN36167	Rsa1.0.01614.1	1092	42238	3.00E-51	422	528	79 -	559	1086	24142	24669
UN36168	Rsa1.0.03297.1	794	23969	0	452	485	93 -	316	792	8203	8680
UN36169	Rsa1.0.01318.1	647	48275	0	460	482	95 -	1	480	1614	2095
UN36170	Rsa1.0.04248.1	698	18287	1.00E-154	341	368	92 -	3	370	13803	14149
UN36171	Rsa1.0.00837.1	952	62568	1.00E-108	212	215	98 -	3	215	53363	53577
UN36172	Rsa1.0.07305.1	806	9578	1.00E-116	218	220	99 +	2	221	6330	6549
UN36173	Rsa1.0.00064.1	798	240927	0	474	488	97 +	313	790	111343	111829
UN36174	Rsa1.0.02125.1	1103	34775	1.00E-168	371	394	94 +	2	392	21024	21417
UN36175	Rsa1.0.10406.1	1039	5858	0	672	680	98 -	360	1039	4874	5553
UN36176	Rsa1.0.01103.1	1036	53974	0	425	442	96 -	2	437	46067	46507
UN36177	Rsa1.0.02526.1	731	30479	0	728	730	99 -	1	730	12321	13050
UN36178	Rsa1.0.03594.1	770	21868	0	736	769	95 +	2	770	17363	18126
UN36179	Rsa1.0.00101.1	755	267193	0	721	751	96 -	3	753	98588	99335
UN36180	Rsa1.0.00803.1	1035	144228	0	555	600	92 -	394	993	40053	40625
UN36181	Rsa1.0.02820.1	978	27629	0	758	773	98 -	1	770	1256	2027
UN36182	Rsa1.0.04472.1	1284	17198	0	1001	1057	94 +	6	1060	5160	6205
UN36183	Rsa1.0.01009.1	474	56922	1.00E-140	252	252	100 +	221	472	32379	32630
UN36184	Rsa1.0.09023.1	635	6703	0	467	468	99 -	166	633	5072	5539
UN36185	Rsa1.0.01367.1	719	47135	0	651	659	98 +	65	719	28873	29531
UN36186	Rsa1.0.05892.1	782	12309	1.00E-150	279	282	98 -	3	284	5436	5717
UN36187	Rsa1.0.00428.1	778	85599	0	551	553	99 +	226	778	31030	31582
UN36188	Rsa1.0.02575.1	694	29944	0	668	691	96 +	6	693	15173	15856
UN36189	Rsa1.0.00087.1	927	761073	0	470	493	95 -	15	507	613175	613667
UN36190	Rsa1.0.00711.1	1155	67223	0	375	387	96 +	10	396	23907	24293

UN36191	Rsa1.0_01967.1	894	36672	0	365	368	99 -	527	894	18393	18760
UN36192	Rsa1.0_26249.1	689	899	1.00E-112	217	221	98 -	2	222	319	539
UN36193	Rsa1.0_00051.1	913	258225	0	905	912	99 +	2	913	140054	140965
UN36194	Rsa1.0_01761.1	811	39717	0	357	368	97 -	2	369	15228	15595
UN36195	Rsa1.0_01413.1	955	46275	1.00E-133	376	422	89 -	60	472	36813	37219
UN36196	Rsa1.0_00128.1	791	228675	0	413	423	97 -	370	791	183544	183963
UN36197	Rsa1.0_00600.1	1325	73395	0	526	532	98 +	184	715	71877	72408
UN36198	Rsa1.0_06887.1	1073	10208	1.00E-156	299	304	98 +	554	856	3763	4066
UN36199	Rsa1.0_00373.1	1051	90296	0	972	1063	91 +	1	1051	4203	5217
UN36200	Rsa1.0_08264.1	628	7636	1.00E-15	71	80	88 -	538	617	3512	3591
UN36201	Rsa1.0_03145.1	1182	25020	0	1137	1178	96 +	2	1179	17016	18193
UN36202	Rsa1.0_01729.1	955	304246	1.00E-174	325	329	98 -	629	955	11	339
UN36203	Rsa1.0_04835.1	1388	15766	0	1352	1385	97 -	2	1386	10791	12175
UN36204	Rsa1.0_01004.1	1134	56975	0	695	714	97 -	2	709	14834	15547
UN36205	Rsa1.0_09309.1	787	6466	0	533	558	95 -	231	787	678	1220
UN36206	Rsa1.0_00207.1	989	248736	0	389	392	99 +	3	393	221866	222256
UN36207	Rsa1.0_01500.1	1004	141844	0	996	1001	99 +	3	1002	139693	140693
UN36208	Rsa1.0_08288.1	1067	7604	0	887	921	96 +	147	1066	3655	4571
UN36209	Rsa1.0_05074.1	815	14925	1.00E-137	288	299	96 +	3	300	830	1127
UN36210	Rsa1.0_08181.1	1495	7777	1.00E-134	275	283	97 -	1214	1495	3085	3365
UN36211	Rsa1.0_00682.1	708	68680	0	680	705	96 +	3	707	13345	14046
UN36212	Rsa1.0_00658.1	797	69740	0	463	502	92 -	302	797	11796	12286
UN36213	Rsa1.0_00013.1	764	292129	0	560	573	97 +	2	571	153336	153908
UN36214	Rsa1.0_04282.1	605	18100	1.00E-166	315	321	98 +	285	605	14419	14739
UN36215	Rsa1.0_00012.1	934	222148	0	907	933	97 -	1	933	74731	75658
UN36216	Rsa1.0_02993.1	773	26170	0	464	467	99 +	2	468	10770	11236
UN36217	Rsa1.0_01144.1	1186	52431	0	495	509	97 -	596	1103	29153	29657
UN36218	Rsa1.0_04924.1	1125	15426	0	371	374	99 -	751	1124	14064	14437
UN36219	Rsa1.0_14791.1	786	3064	0	771	782	98 +	2	782	197	978
UN36220	Rsa1.0_00221.1	1079	106972	1.00E-167	304	306	99 -	485	790	49720	50025
UN36221	Rsa1.0_00874.1	797	179723	0	502	538	93 -	258	795	15265	15802
UN36222	Rsa1.0_00370.1	961	90472	0	514	519	99 +	1	519	62678	63196
UN36223	Rsa1.0_00425.1	680	147080	1.00E-149	289	296	97 +	1	291	135466	135761
UN36224	Rsa1.0_06975.1	747	10074	0	733	752	97 -	5	745	1352	2102
UN36225	Rsa1.0_01257.1	1022	49766	0	1002	1030	97 -	1	1021	25501	26528
UN36226	Rsa1.0_02299.1	692	32857	0	401	401	100 +	292	692	27626	28026
UN36227	Rsa1.0_01445.1	846	45671	2.00E-60	125	127	98 -	459	585	41989	42115
UN36228	Rsa1.0_00397.1	693	88189	1.00E-73	173	180	96 -	1	177	61837	62015
UN36229	Rsa1.0_02208.1	991	33875	0	605	697	86 +	317	987	29191	29855

UN36230	Rsa1.0.00085.1	803	142226	1.00E-77	195	204	95 +	594	792	97330	97533
UN36231	Rsa1.0.03126.1	774	25192	0	540	570	94 +	205	771	21736	22305
UN36232	Rsa1.0.03055.1	789	25730	0	494	500	98 +	280	776	8870	9368
UN36233	Rsa1.0.00060.1	1134	502678	0	754	784	96 +	342	1122	62957	63739
UN36234	Rsa1.0.00223.1	922	106231	0	919	921	99 +	1	921	54656	55576
UN36235	Rsa1.0.00008.1	835	358124	1.00E-98	192	195	98 -	55	249	317065	317259
UN36236	Rsa1.0.00032.1	474	306326	1.00E-108	212	215	98 -	260	474	215912	216125
UN36237	Rsa1.0.03378.1	674	23322	0	356	365	97 -	3	367	18997	19361
UN36238	Rsa1.0.00774.1	1047	64831	0	1039	1046	99 +	1	1046	53437	54482
UN36239	Rsa1.0.11253.1	654	5567	1.00E-120	292	312	93 -	6	315	325	631
UN36240	Rsa1.0.00354.1	575	232005	1.00E-142	326	348	93 +	229	575	191678	192025
UN36241	Rsa1.0.07341.1	643	9530	0	431	438	98 -	205	640	982	1417
UN36242	Rsa1.0.00016.1	770	831256	0	673	679	99 +	94	769	680063	680741
UN36243	Rsa1.0.00127.1	434	127446	0	432	432	100 -	3	434	23428	23859
UN36244	Rsa1.0.01831.1	1324	38628	0	582	593	98 -	737	1322	15773	16365
UN36245	Rsa1.0.00675.1	636	145590	0	377	377	100 +	2	378	5671	6047
UN36246	Rsa1.0.00551.1	780	76227	1.00E-168	330	340	97 +	441	780	28618	28957
UN36247	Rsa1.0.08412.1	1222	7404	0	1125	1169	96 -	7	1172	5233	6398
UN36248	Rsa1.0.00472.1	358	398134	0	355	356	99 -	3	358	322016	322371
UN36249	Rsa1.0.00442.1	615	84596	1.00E-121	229	232	98 +	346	577	6360	6591
UN36250	Rsa1.0.05146.1	998	14678	0	968	988	97 +	3	990	3663	4649
UN36251	Rsa1.0.04455.1	800	17266	0	795	798	99 +	1	798	15356	16153
UN36252	Rsa1.0.03229.1	607	24470	1.00E-85	164	165	99 +	266	430	10322	10486
UN36253	Rsa1.0.05612.1	1079	13193	1.00E-129	266	276	96 -	3	275	12186	12461
UN36254	Rsa1.0.02612.1	752	29559	0	654	673	97 +	3	673	28627	29298
UN36255	Rsa1.0.03524.1	691	22297	1.00E-108	286	316	90 -	13	315	6358	6668
UN36256	Rsa1.0.01200.1	852	50895	0	513	521	98 +	333	852	49808	50328
UN36257	Rsa1.0.22194.1	682	1143	0	339	340	99 +	151	490	804	1143
UN36258	Rsa1.0.00387.1	386	495407	0	366	376	97 -	15	386	156985	157360
UN36259	Rsa1.0.00015.1	752	561803	0	731	746	97 +	2	744	250249	250994
UN36260	Rsa1.0.02573.1	1108	29955	0	608	618	98 +	3	619	10806	11423
UN36261	Rsa1.0.00270.1	771	101236	0	433	433	100 -	4	436	52435	52867
UN36262	Rsa1.0.13694.1	742	4469	1.00E-140	420	473	88 -	277	738	3055	3526
UN36263	Rsa1.0.00045.1	963	328694	0	434	453	95 -	115	567	255915	256367
UN36264	Rsa1.0.00964.1	999	316648	0	750	772	97 -	228	999	277564	278335
UN36265	Rsa1.0.10588.1	751	5794	0	669	694	96 +	2	692	1802	2495
UN36266	Rsa1.0.02079.1	763	35306	1.00E-132	309	331	93 -	73	397	18188	18517
UN36267	Rsa1.0.00526.1	871	169279	0	709	780	90 -	3	749	119293	120062
UN36268	Rsa1.0.04554.1	890	16876	0	503	527	95 -	4	527	3773	4293

UN36269	Rsa1.0.00092.1	682	659932	0	665	674	98 +	8	681	124744	125417
UN36270	Rsa1.0.01878.1	690	37768	0	494	507	97 -	183	689	28105	28607
UN36271	Rsa1.0.00277.1	562	100132	1.00E-128	315	339	92 -	224	561	76618	76948
UN36272	Rsa1.0.02922.1	961	26753	2.00E-39	102	108	94 +	403	510	10877	10984
UN36273	Rsa1.0.00376.1	1017	90101	1.00E-144	296	308	96 +	236	543	39667	39974
UN36274	Rsa1.0.00236.1	1226	104771	0	419	432	96 +	1	432	46581	47005
UN36275	Rsa1.0.04365.1	262	17732	2.00E-51	175	199	87 -	63	261	6045	6243
UN36276	Rsa1.0.03319.1	478	23767	1.00E-122	317	346	91 -	2	346	16935	17279
UN36277	Rsa1.0.02304.1	645	32793	6.00E-11	42	44	95 -	29	72	20184	20227
UN36278	Rsa1.0.05766.1	813	12708	0	538	552	97 +	1	549	5046	5594
UN36279	Rsa1.0.02429.1	847	31527	2.00E-20	74	80	92 -	515	593	31017	31096
UN36280	Rsa1.0.00495.1	1178	79934	2.00E-98	317	361	87 +	740	1100	14917	15274
UN36281	Rsa1.0.19723.1	858	1392	0	647	649	99 -	210	858	744	1392
UN36282	Rsa1.0.00239.1	946	104332	1.00E-148	300	310	96 +	637	946	21175	21482
UN36283	Rsa1.0.00084.1	570	142338	0	544	572	95 -	2	570	5427	5997
UN36284	Rsa1.0.00065.1	238	454616	2.00E-88	226	244	92 -	1	236	223130	223373
UN36285	Rsa1.0.08079.1	1100	7942	0	387	403	96 +	699	1098	5750	6150
UN36286	Rsa1.0.07600.1	1041	9052	0	449	463	96 -	579	1039	5512	5974
UN36287	Rsa1.0.01326.1	971	48072	1.00E-138	315	335	94 -	586	918	33022	33353
UN36288	Rsa1.0.00098.1	1107	349239	1.00E-136	253	255	99 -	853	1107	275569	275823
UN36289	Rsa1.0.10297.1	634	5900	0	596	633	94 +	2	634	1453	2085
UN36290	Rsa1.0.00050.1	896	237174	0	358	366	97 +	527	889	15272	15637
UN36291	Rsa1.0.00463.1	461	189177	1.00E-108	259	278	93 -	184	461	157322	157592
UN36292	Rsa1.0.00077.1	699	145005	0	420	433	96 +	219	650	32645	33072
UN36293	Rsa1.0.00571.1	803	329018	0	768	816	94 +	2	803	28322	29128
UN36294	Rsa1.0.14736.1	908	3116	1.00E-158	310	319	97 +	589	907	1970	2288
UN36295	Rsa1.0.14252.1	1012	3615	1.00E-114	237	246	96 +	400	645	248	493
UN36296	Rsa1.0.03031.1	1123	25839	1.00E-149	286	291	98 -	835	1123	705	995
UN36297	Rsa1.0.00782.1	860	64468	0	760	845	89 -	2	842	15637	16437
UN36298	Rsa1.0.00055.1	790	520193	1.00E-108	242	254	95 -	483	733	211437	211690
UN36299	Rsa1.0.00533.1	756	77375	1.00E-162	325	336	96 -	2	337	27870	28202
UN36300	Rsa1.0.01717.1	847	143162	1.00E-155	609	720	84 -	133	847	6573	7265
UN36301	Rsa1.0.04900.1	860	15528	0	832	851	97 +	1	848	7880	8730
UN36302	Rsa1.0.04305.1	922	18003	2.00E-51	143	156	91 +	605	760	15168	15323
UN36303	Rsa1.0.05105.1	654	14833	1.00E-111	204	204	100 -	1	204	9381	9584
UN36304	Rsa1.0.01355.1	476	47303	0	456	474	96 +	5	473	10272	10745
UN36305	Rsa1.0.00019.1	1288	301669	0	896	924	96 -	134	1057	110059	110967
UN36306	Rsa1.0.00728.1	890	66704	0	841	925	90 -	3	890	18435	19349
UN36307	Rsa1.0.00255.1	845	204967	5.00E-15	94	111	84 -	323	433	155970	156080

UN36308	Rsa1.0_04586.1	839	16748	0	334	336	99 -	504	839	10093	10428
UN36309	Rsa1.0_00760.1	1217	65267	0	404	411	98 -	380	790	61968	62378
UN36310	Rsa1.0_03093.1	720	25445	1.00E-24	134	159	84 -	77	235	351	509
UN36311	Rsa1.0_01434.1	1107	45951	1.00E-166	365	386	94 +	340	720	25280	25665
UN36312	Rsa1.0_00222.1	719	172263	1.00E-135	257	261	98 -	458	718	129873	130133
UN36313	Rsa1.0_03099.1	1150	139424	0	487	534	91 +	617	1149	9747	10269
UN36314	Rsa1.0_00507.1	934	79074	0	718	762	94 +	180	934	5584	6331
UN36315	Rsa1.0_00048.1	1068	167185	0	375	376	99 +	693	1068	18931	19306
UN36316	Rsa1.0_00339.1	473	222974	0	460	472	97 +	3	471	193759	194229
UN36317	Rsa1.0_01229.1	553	50235	0	538	555	96 +	3	553	18953	19507
UN36318	Rsa1.0_00523.1	733	178770	1.00E-176	325	329	98 -	250	578	18172	18500
UN36319	Rsa1.0_03440.1	877	22928	0	657	688	95 +	187	874	1	678
UN36320	Rsa1.0_00683.1	546	68638	1.00E-153	460	518	88 +	3	516	3529	4031
UN36321	Rsa1.0_00567.1	933	75260	0	595	629	94 +	273	889	66219	66842
UN36322	Rsa1.0_00034.1	1087	260119	0	545	558	97 -	201	758	21894	22451
UN36323	Rsa1.0_00861.1	776	61759	0	458	470	97 -	3	472	31356	31822
UN36324	Rsa1.0_00612.1	728	72376	0	707	711	99 -	18	728	5401	6110
UN36325	Rsa1.0_01302.1	864	48907	0	502	529	94 +	241	769	44053	44575
UN36326	Rsa1.0_01569.1	1066	43029	1.00E-120	234	239	97 +	1	239	30203	30441
UN36327	Rsa1.0_00408.1	1176	176752	0	434	459	94 +	723	1174	105237	105692
UN36328	Rsa1.0_07058.1	1156	9964	0	422	442	95 +	476	913	3048	3489
UN36329	Rsa1.0_00043.1	837	264937	0	810	837	96 -	3	837	88478	89313
UN36330	Rsa1.0_00053.1	866	263459	0	790	832	94 -	2	819	236121	236947
UN36331	Rsa1.0_11943.1	654	5365	8.00E-75	146	147	99 +	348	494	570	716
UN36332	Rsa1.0_00308.1	747	96915	2.00E-69	182	198	91 -	343	540	14021	14218
UN36333	Rsa1.0_03674.1	854	21442	3.00E-87	167	168	99 +	3	170	2078	2245
UN36334	Rsa1.0_05322.1	939	14154	0	902	941	95 +	4	939	11327	12261
UN36335	Rsa1.0_08062.1	1335	7978	0	858	884	97 -	465	1335	1022	1899
UN36336	Rsa1.0_00388.1	1267	88890	1.00E-164	322	330	97 -	564	892	31435	31764
UN36337	Rsa1.0_00099.1	860	159619	0	655	736	88 -	167	859	33545	34260
UN36338	Rsa1.0_00376.1	1008	90101	1.00E-111	274	293	93 +	701	989	15971	16260
UN36339	Rsa1.0_00168.1	549	115870	0	543	548	99 +	1	548	78928	79475
UN36340	Rsa1.0_00030.1	701	250988	0	579	612	94 +	94	699	167985	168596
UN36341	Rsa1.0_05264.1	765	14327	1.00E-160	587	685	85 +	77	761	3482	4157
UN36342	Rsa1.0_37757.1	748	597	1.00E-100	238	251	94 -	503	748	26	275
UN36343	#	#	#	#	#	#	#	#	#	#	#
UN36344	Rsa1.0_01343.1	768	47735	0	573	627	91 +	4	612	4087	4690
UN36345	Rsa1.0_00028.1	921	293984	2.00E-60	205	233	87 -	360	589	34101	34333
UN36346	Rsa1.0_29312.1	338	786	1.00E-142	324	345	93 +	2	338	391	733

UN36347	Rsa1.0_02004.1	1272	169138	1.00E-154	277	277	100 -	4	280	1269	1545
UN36348	Rsa1.0_00990.1	661	57445	0	425	430	98 -	232	660	14980	15409
UN36349	Rsa1.0_00005.1	1008	353093	0	831	899	92 -	67	937	143387	144275
UN36350	Rsa1.0_17405.1	896	1838	0	839	901	93 +	1	895	119	1004
UN36351	Rsa1.0_00166.1	338	240912	0	335	338	99 -	2	338	153135	153472
UN36352	Rsa1.0_00448.1	704	84048	0	665	708	93 -	1	704	52839	53543
UN36353	Rsa1.0_00058.1	364	159921	1.00E-179	351	362	96 -	3	364	153383	153744
UN36354	Rsa1.0_02124.1	1222	34780	0	1181	1223	96 +	2	1222	29113	30324
UN36355	Rsa1.0_00146.1	803	149343	0	538	552	97 -	3	554	101985	102536
UN36356	Rsa1.0_03013.1	846	26026	0	703	709	99 -	139	846	16168	16876
UN36357	Rsa1.0_02599.1	773	29660	0	446	464	96 +	312	773	2198	2656
UN36358	Rsa1.0_17407.1	632	1838	0	584	630	92 +	3	612	32	660
UN36359	Rsa1.0_01733.1	879	40186	1.00E-43	140	155	90 -	725	879	20531	20684
UN36360	Rsa1.0_01469.1	796	45139	3.00E-47	139	151	92 -	284	433	37206	37353
UN36361	Rsa1.0_00280.1	598	99966	1.00E-167	325	333	97 -	2	332	75915	76247
UN36362	Rsa1.0_00425.1	682	147080	1.00E-165	400	426	93 +	35	459	141871	142289
UN36363	Rsa1.0_00828.1	797	62744	0	327	328	99 -	139	466	20572	20899
UN36364	Rsa1.0_00204.1	736	109056	1.00E-123	325	362	89 +	386	735	46701	47043
UN36365	Rsa1.0_02748.1	865	28242	0	816	844	96 -	15	854	18292	19135
UN36366	Rsa1.0_02014.1	743	36031	0	714	744	95 +	1	743	34807	35549
UN36367	Rsa1.0_00108.1	1276	478491	1.00E-157	386	418	92 -	189	594	40645	41062
UN36368	Rsa1.0_02148.1	1272	34610	0	1061	1107	95 -	164	1270	23583	24686
UN36369	Rsa1.0_00552.1	729	206757	0	423	446	94 +	1	442	180163	180600
UN36370	Rsa1.0_00001.1	358	363028	1.00E-149	338	359	94 -	1	358	336274	336630
UN36371	Rsa1.0_01722.1	851	40320	7.00E-79	168	174	96 -	61	234	34628	34801
UN36372	Rsa1.0_00303.1	1126	97468	0	595	624	95 +	2	613	26808	27431
UN36373	Rsa1.0_04272.1	653	18144	1.00E-107	306	337	90 +	2	334	4277	4598
UN36374	Rsa1.0_00324.1	1015	218805	0	486	492	98 -	2	493	30676	31167
UN36375	Rsa1.0_11948.1	841	5363	1.00E-110	247	261	94 -	581	841	3920	4178
UN36376	Rsa1.0_00936.1	1218	59078	0	386	396	97 -	824	1218	13436	13830
UN36377	Rsa1.0_10836.1	1152	5707	0	908	934	97 -	3	936	4133	5060
UN36378	Rsa1.0_00129.1	1656	126831	0	999	1030	96 -	641	1656	97286	98315
UN36379	Rsa1.0_01549.1	665	43543	0	625	665	93 +	2	665	25006	25670
UN36380	Rsa1.0_02845.1	478	27340	1.00E-121	227	229	99 +	3	231	2728	2956
UN36381	Rsa1.0_05740.1	510	12775	0	424	438	96 +	7	442	11749	12186
UN36382	Rsa1.0_00296.1	943	97854	0	924	950	97 +	1	943	49433	50380
UN36383	Rsa1.0_00277.1	516	100132	1.00E-130	342	372	91 -	150	516	10578	10946
UN36384	Rsa1.0_07250.1	780	9663	9.00E-66	197	224	87 +	329	530	524	747
UN36385	Rsa1.0_01929.1	878	37191	1.00E-92	182	185	98 +	2	186	8154	8338

UN36386	Rsa1.0.00121.1	1393	278029	0	848	874	97 -	2	875	81609	82482
UN36387	Rsa1.0.02791.1	739	27832	1.00E-148	285	291	97 +	286	576	19579	19869
UN36388	Rsa1.0.00080.1	673	190437	2.00E-84	184	191	96 +	3	192	92809	92999
UN36389	Rsa1.0.02787.1	990	27872	0	480	517	92 -	7	522	12233	12748
UN36390	Rsa1.0.00452.1	568	83201	6.00E-91	176	178	98 -	230	407	1053	1230
UN36391	Rsa1.0.00451.1	841	322533	0	816	855	95 +	3	841	274657	275510
UN36392	Rsa1.0.00234.1	661	197060	0	349	352	99 +	309	660	9964	10315
UN36393	Rsa1.0.01938.1	749	264018	1.00E-135	263	269	97 +	141	409	130889	131157
UN36394	Rsa1.0.10576.1	170	5797	1.00E-70	164	173	94 +	1	170	3356	3528
UN36395	Rsa1.0.00404.1	806	87635	1.00E-156	319	331	96 -	476	806	44385	44714
UN36396	Rsa1.0.04367.1	1003	17728	0	866	892	97 +	4	884	13760	14644
UN36397	Rsa1.0.01906.1	1122	37448	0	1107	1123	98 -	9	1122	3049	4170
UN36398	Rsa1.0.00139.1	934	357786	0	416	421	98 -	514	934	31738	32158
UN36399	Rsa1.0.00104.1	1003	368722	1.00E-163	422	457	92 -	555	1003	60311	60760
UN36400	Rsa1.0.02655.1	632	29027	1.00E-131	323	345	93 -	3	340	15215	15555
UN36401	Rsa1.0.08078.1	790	7944	1.00E-168	326	334	97 +	455	788	2693	3023
UN36402	Rsa1.0.03134.1	1068	145023	1.00E-122	290	310	93 -	766	1068	4859	5167
UN36403	Rsa1.0.00543.1	925	76788	0	889	932	95 +	2	925	75602	76531
UN36404	Rsa1.0.00195.1	716	251884	0	688	718	95 +	3	716	233974	234685
UN36405	Rsa1.0.00241.1	931	104000	1.00E-166	315	321	98 -	242	562	59904	60224
UN36406	#	#	#	#	#	#	#	#	#	#	#
UN36407	Rsa1.0.01285.1	1187	172709	0	667	699	95 +	490	1187	123481	124174
UN36408	Rsa1.0.00198.1	439	222963	1.00E-149	409	452	90 -	2	439	23537	23974
UN36409	Rsa1.0.00381.1	1044	89718	0	483	511	94 -	4	513	55578	56085
UN36410	Rsa1.0.00062.1	689	299291	1.00E-171	325	332	97 -	351	682	261773	262104
UN36411	Rsa1.0.33883.1	226	668	1.00E-80	211	227	92 +	5	223	16	241
UN36412	Rsa1.0.00301.1	1270	365315	1.00E-150	270	270	100 +	999	1268	361634	361903
UN36413	Rsa1.0.03733.1	496	21108	0	463	477	97 -	3	477	1402	1875
UN36414	Rsa1.0.03748.1	948	21035	0	933	948	98 -	2	948	18903	19850
UN36415	Rsa1.0.03664.1	407	21487	1.00E-169	332	341	97 -	67	407	6094	6433
UN36416	Rsa1.0.00445.1	521	84317	2.00E-81	175	182	96 -	124	305	12745	12926
UN36417	Rsa1.0.04294.1	1275	18043	0	1265	1276	99 -	2	1274	13699	14974
UN36418	#	#	#	#	#	#	#	#	#	#	#
UN36419	Rsa1.0.03694.1	824	21336	0	500	514	97 -	28	541	6237	6749
UN36420	Rsa1.0.03169.1	870	24826	1.00E-153	321	336	95 +	5	340	19609	19940
UN36421	Rsa1.0.00318.1	476	96094	1.00E-115	363	408	88 +	65	470	81695	82096
UN36422	Rsa1.0.00008.1	801	358124	3.00E-44	98	100	98 +	282	381	226127	226226
UN36423	Rsa1.0.01123.1	1182	53359	0	1161	1181	98 +	3	1180	8616	9796
UN36424	Rsa1.0.00188.1	561	112020	1.00E-135	263	269	97 +	292	560	72648	72916

UN36425	Rsa1.0.05367.1	788	14010	2.00E-70	148	152	97 +	29	180	1071	1222
UN36426	Rsa1.0.05099.1	677	14855	1.00E-151	289	295	97 -	383	677	14359	14653
UN36427	Rsa1.0.02112.1	896	34904	0	884	893	98 -	2	894	13041	13933
UN36428	Rsa1.0.04847.1	986	15731	0	733	778	94 +	2	774	827	1602
UN36429	Rsa1.0.00039.1	895	296927	0	857	893	95 +	3	893	295894	296782
UN36430	Rsa1.0.03643.1	540	21607	0	495	496	99 +	45	540	9457	9952
UN36431	Rsa1.0.00016.1	830	831256	1.00E-113	222	227	97 -	220	446	503755	503981
UN36432	Rsa1.0.01917.1	672	37303	2.00E-63	142	148	95 -	335	482	18581	18728
UN36433	Rsa1.0.03506.1	652	22416	0	620	630	98 -	2	631	18405	19030
UN36434	Rsa1.0.03957.1	1124	19868	3.00E-23	99	113	87 -	542	654	19023	19135
UN36435	Rsa1.0.00132.1	469	124299	0	463	469	98 -	2	469	95979	96447
UN36436	Rsa1.0.00410.1	759	86957	0	743	746	99 +	3	748	34662	35407
UN36437	#	#	#	#	#	#	#	#	#	#	#
UN36438	Rsa1.0.00386.1	1036	89134	0	612	645	94 +	1	634	55938	56579
UN36439	Rsa1.0.00373.1	683	90296	1.00E-118	437	509	85 +	88	582	4568	5075
UN36440	Rsa1.0.00180.1	832	114581	3.00E-75	156	160	97 -	170	329	16125	16284
UN36441	Rsa1.0.10555.1	835	5802	1.00E-154	353	377	93 -	448	823	3790	4166
UN36442	Rsa1.0.03769.1	683	20955	0	664	682	97 -	2	682	16934	17612
UN36443	Rsa1.0.00304.1	894	97429	1.00E-177	324	326	99 -	304	627	32257	32582
UN36444	Rsa1.0.02001.1	1074	36198	1.00E-159	285	285	100 +	775	1059	27894	28178
UN36445	Rsa1.0.00919.1	602	59675	3.00E-34	113	123	91 +	394	514	33718	33840
UN36446	Rsa1.0.00414.1	1124	202190	1.00E-163	391	419	93 +	710	1124	34844	35257
UN36447	Rsa1.0.00223.1	532	106231	1.00E-134	285	296	96 -	241	531	64429	64724
UN36448	Rsa1.0.06257.1	1214	11374	0	603	621	97 +	2	620	9632	10248
UN36449	Rsa1.0.09261.1	976	6521	0	401	415	96 +	177	591	1337	1751
UN36450	Rsa1.0.00087.1	804	761073	0	574	575	99 -	3	577	529589	530163
UN36451	Rsa1.0.01620.1	620	42091	4.00E-92	262	292	89 +	204	495	13430	13721
UN36452	Rsa1.0.01140.1	660	52586	0	454	472	96 +	191	660	31973	32436
UN36453	Rsa1.0.01024.1	754	56569	2.00E-48	112	115	97 +	3	117	6289	6402
UN36454	Rsa1.0.06113.1	826	11721	1.00E-125	239	242	98 -	585	826	5967	6206
UN36455	Rsa1.0.03892.1	839	20221	0	652	675	96 +	3	658	1215	1889
UN36456	Rsa1.0.00083.1	750	442773	1.00E-113	219	222	98 -	529	748	310473	310694
UN36457	Rsa1.0.25676.1	769	925	0	511	514	99 -	2	515	1	514
UN36458	Rsa1.0.00013.1	890	292129	4.00E-96	257	279	92 -	7	281	76552	76826
UN36459	Rsa1.0.01266.1	736	49680	0	472	485	97 +	1	484	24128	24611
UN36460	Rsa1.0.02222.1	619	152798	1.00E-177	385	409	94 +	1	398	10147	10555
UN36461	Rsa1.0.01130.1	802	52929	1.00E-123	246	252	97 +	1	252	35093	35343
UN36462	Rsa1.0.00816.1	714	403350	0	468	498	93 +	2	487	114390	114882
UN36463	Rsa1.0.00058.1	674	159921	0	652	674	96 +	1	674	51997	52666

UN36464	Rsa1.0.09446.1	732	6362	0	713	729	97 +	2	729	198	921
UN36465	Rsa1.0.01514.1	654	44222	0	418	426	98 -	26	451	41781	42200
UN36466	Rsa1.0.01072.1	1051	55068	0	561	571	98 +	469	1039	5418	5988
UN36467	Rsa1.0.05306.1	640	14205	0	377	394	95 +	247	640	5410	5788
UN36468	Rsa1.0_00079.1	1112	606987	0	1055	1098	96 -	1	1097	9031	10127
UN36469	Rsa1.0_00221.1	842	106972	0	608	638	95 +	187	816	82038	82667
UN36470	Rsa1.0.00626.1	857	71582	0	366	372	98 -	486	857	28086	28457
UN36471	Rsa1.0.00001.1	744	363028	0	417	441	94 +	25	456	303173	303611
UN36472	Rsa1.0.08436.1	1042	7357	0	420	440	95 -	610	1042	1607	2046
UN36473	Rsa1.0.01097.1	607	173349	0	607	607	100 -	1	607	1749	2355
UN36474	Rsa1.0.00065.1	820	454616	0	411	421	97 +	1	421	402673	403093
UN36475	Rsa1.0.08907.1	986	6803	0	596	619	96 +	3	620	5491	6102
UN36476	Rsa1.0.00856.1	1273	62037	0	669	682	98 +	1	682	42925	43606
UN36477	Rsa1.0.02412.1	515	31643	0	507	512	99 +	2	513	6316	6827
UN36478	Rsa1.0.00173.1	772	288743	0	746	777	96 -	3	772	40130	40905
UN36479	Rsa1.0.03312.1	1116	23841	1.00E-111	315	345	91 +	705	1044	13129	13463
UN36480	Rsa1.0.00089.1	1101	406142	0	487	508	95 -	3	500	398394	398901
UN36481	Rsa1.0.01558.1	589	43287	2.00E-56	168	188	89 -	411	589	32790	32977
UN36482	Rsa1.0.01827.1	695	143321	1.00E-149	333	354	94 +	341	694	135719	136069
UN36483	Rsa1.0.02109.1	1174	34925	0	531	538	98 -	145	678	17011	17547
UN36484	Rsa1.0.00093.1	910	214962	2.00E-88	212	225	94 +	362	585	13257	13479
UN36485	Rsa1.0.00062.1	795	299291	0	378	381	99 +	415	795	191037	191417
UN36486	Rsa1.0.02273.1	1171	140964	0	787	828	95 -	2	823	28308	29130
UN36487	Rsa1.0.01519.1	581	44144	0	566	590	95 -	2	581	24156	24745
UN36488	Rsa1.0.00394.1	865	148426	3.00E-81	169	174	97 +	492	665	119847	120020
UN36489	Rsa1.0.02456.1	344	31222	1.00E-177	337	343	98 +	1	342	16286	16628
UN36490	#	#	#	#	#	#	#	#	#	#	#
UN36491	Rsa1.0.00191.1	618	316976	1.00E-180	366	380	96 +	100	476	49344	49720
UN36492	Rsa1.0.00454.1	503	216970	0	391	410	95 +	96	503	157076	157478
UN36493	Rsa1.0.01716.1	825	40483	0	412	420	98 +	3	417	9618	10037
UN36494	Rsa1.0.00409.1	769	146788	0	711	762	93 +	1	751	123774	124531
UN36495	Rsa1.0.02202.1	486	33961	0	402	406	99 -	82	486	17115	17520
UN36496	Rsa1.0.00016.1	1092	831256	1.00E-132	287	303	94 +	752	1054	224992	225294
UN36497	Rsa1.0.10576.1	369	5797	0	362	368	98 -	3	368	3753	4117
UN36498	Rsa1.0.01061.1	1026	55349	1.00E-154	289	292	98 +	138	428	52049	52340
UN36499	Rsa1.0.29142.1	351	791	1.00E-129	322	348	92 +	2	347	1	340
UN36500	Rsa1.0.02751.1	1088	28238	0	795	869	91 -	226	1084	15959	16823
UN36501	Rsa1.0.01450.1	440	144251	1.00E-148	399	443	90 +	1	432	10496	10926
UN36502	Rsa1.0.00450.1	638	139397	0	628	633	99 +	1	633	134092	134723

UN36503	Rsa1.0.29059.1	1122	794	0	439	444	98 +	679	1122	166	608
UN36504	Rsa1.0.01029.1	863	256254	1.00E-160	317	327	96 +	14	340	117438	117764
UN36505	Rsa1.0.00211.1	1079	228189	0	1026	1029	99 +	50	1078	215327	216355
UN36506	Rsa1.0.00329.1	996	222544	0	534	540	98 +	413	952	222005	222544
UN36507	Rsa1.0.00552.1	757	206757	0	479	492	97 +	266	757	28632	29123
UN36508	Rsa1.0.00001.1	1030	363028	0	481	512	93 -	521	1027	44188	44695
UN36509	Rsa1.0.00376.1	878	90101	0	350	354	98 -	524	877	1314	1667
UN36510	Rsa1.0.01737.1	929	40101	0	468	484	96 +	172	643	2492	2975
UN36511	Rsa1.0.00418.1	583	215377	0	576	581	99 +	3	583	60984	61564
UN36512	Rsa1.0.02204.1	1076	33930	0	1020	1079	94 +	3	1074	14229	15297
UN36513	Rsa1.0.03394.1	723	23247	1.00E-112	259	273	94 +	452	723	5938	6202
UN36514	Rsa1.0.00311.1	754	96847	1.00E-105	215	222	96 -	259	480	26540	26761
UN36515	Rsa1.0.00836.1	941	185968	0	904	965	93 +	2	940	22698	23662
UN36516	Rsa1.0.02358.1	722	32213	0	445	462	96 -	263	722	8394	8855
UN36517	Rsa1.0.04260.1	977	18238	1.00E-176	321	322	99 +	651	971	3017	3338
UN36518	Rsa1.0.00895.1	935	60615	1.00E-166	308	312	98 +	402	713	59918	60229
UN36519	Rsa1.0.46238.1	681	488	2.00E-29	76	79	96 +	387	465	1	79
UN36520	Rsa1.0.04594.1	1213	16713	0	1017	1050	96 +	10	1056	12831	13876
UN36521	Rsa1.0.14435.1	891	3393	0	712	730	97 -	2	724	1	729
UN36522	Rsa1.0.01249.1	982	188432	0	762	780	97 +	10	789	35475	36254
UN36523	Rsa1.0.05696.1	936	12896	1.00E-130	267	277	96 +	3	279	11886	12162
UN36524	Rsa1.0.00392.1	723	88523	0	711	722	98 -	2	723	8160	8881
UN36525	Rsa1.0.01199.1	623	163576	0	582	619	94 +	2	613	127207	127824
UN36526	Rsa1.0.06111.1	1211	11723	0	1198	1211	98 +	1	1210	3926	5135
UN36527	Rsa1.0.25317.1	881	941	0	509	529	96 -	355	881	341	867
UN36528	Rsa1.0.14639.1	584	3198	1.00E-143	279	286	97 +	238	523	2913	3198
UN36529	Rsa1.0.00344.1	985	191774	1.00E-172	322	327	98 +	362	688	112539	112865
UN36530	Rsa1.0.06619.1	827	10650	1.00E-113	322	357	90 +	162	510	6822	7176
UN36531	#	#	#	#	#	#	#	#	#	#	#
UN36532	Rsa1.0.01181.1	1209	51496	0	428	435	98 +	3	434	32429	32863
UN36533	Rsa1.0.00150.1	1171	154416	0	695	714	97 -	453	1166	51694	52407
UN36534	Rsa1.0.00009.1	743	232558	0	740	745	99 -	2	743	158507	159251
UN36535	#	#	#	#	#	#	#	#	#	#	#
UN36536	Rsa1.0.08216.1	1253	7709	0	1171	1248	93 +	2	1249	463	1708
UN36537	Rsa1.0.00188.1	483	112020	0	438	461	95 -	3	458	102454	102912
UN36538	Rsa1.0.28217.1	896	823	0	491	514	95 -	2	515	67	580
UN36539	Rsa1.0.01796.1	745	39154	0	443	479	92 +	53	515	18408	18886
UN36540	Rsa1.0.01957.1	839	36844	0	443	478	92 +	4	460	27216	27692
UN36541	Rsa1.0.08634.1	847	7101	0	566	589	96 +	261	847	115	701

UN36542	Rsa1.0.00990.1	977	57445	0	956	975	98 +	3	977	24354	25328
UN36543	Rsa1.0.02208.1	653	33875	2.00E-78	155	157	98 -	299	455	30142	30298
UN36544	Rsa1.0.00093.1	1201	214962	0	370	383	96 +	819	1201	180059	180440
UN36545	Rsa1.0.21046.1	986	1242	2.00E-79	208	226	92 +	13	238	507	730
UN36546	Rsa1.0.01798.1	1217	173909	1.00E-174	316	318	99 +	95	412	169028	169345
UN36547	Rsa1.0.00226.1	1070	105884	0	597	637	93 +	449	1070	96851	97478
UN36548	Rsa1.0.00097.1	1014	138858	0	491	519	94 -	202	720	4891	5409
UN36549	Rsa1.0.05189.1	381	14545	1.00E-142	372	416	89 -	1	381	4581	4995
UN36550	Rsa1.0.10663.1	659	5765	0	647	655	98 -	5	659	4797	5451
UN36551	Rsa1.0.01222.1	887	50398	0	424	434	97 +	313	746	34155	34585
UN36552	Rsa1.0.03711.1	1276	21237	1.00E-120	229	232	98 +	389	620	12134	12365
UN36553	Rsa1.0.01925.1	185	37220	4.00E-89	183	186	98 +	2	185	28619	28804
UN36554	Rsa1.0.00386.1	441	89134	1.00E-109	359	413	86 +	45	441	62867	63266
UN36555	Rsa1.0.00695.1	982	68019	0	387	393	98 -	579	971	416	808
UN36556	Rsa1.0.10606.1	750	5787	0	719	755	95 -	1	749	1250	2003
UN36557	Rsa1.0.00300.1	885	97747	8.00E-14	79	89	88 +	772	860	1134	1220
UN36558	Rsa1.0.02988.1	1254	26190	0	1209	1235	97 +	2	1231	22353	23580
UN36559	Rsa1.0.02932.1	628	26647	0	388	396	97 -	230	625	13804	14196
UN36560	Rsa1.0.02163.1	678	34427	1.00E-116	230	236	97 +	137	372	10177	10412
UN36561	Rsa1.0.05110.1	921	14814	1.00E-167	350	363	96 +	2	364	4687	5046
UN36562	Rsa1.0.00272.1	931	447836	0	447	460	97 -	475	931	431000	431459
UN36563	Rsa1.0.01583.1	719	156297	1.00E-131	249	253	98 +	320	572	114094	114346
UN36564	Rsa1.0.00067.1	1161	415055	0	944	980	96 -	171	1138	151670	152644
UN36565	Rsa1.0.07152.1	790	9815	0	436	443	98 -	349	790	530	971
UN36566	Rsa1.0.00211.1	718	228189	0	712	717	99 -	4	718	224343	225058
UN36567	Rsa1.0.04048.1	661	19394	0	494	517	95 -	98	612	1	509
UN36568	Rsa1.0.10517.1	887	5818	0	760	802	94 +	92	887	4690	5477
UN36569	Rsa1.0.00184.1	809	218748	0	779	814	95 -	1	809	100329	101140
UN36570	Rsa1.0.00212.1	412	108350	1.00E-141	349	383	91 -	42	412	36467	36849
UN36571	Rsa1.0.01191.1	834	51235	0	441	446	98 -	388	832	42669	43114
UN36572	Rsa1.0.00357.1	850	173671	5.00E-86	221	234	94 -	582	810	8557	8790
UN36573	Rsa1.0.00433.1	604	85381	0	599	603	99 -	2	604	83081	83683
UN36574	Rsa1.0.01104.1	827	285480	1.00E-135	257	261	98 -	409	669	107189	107449
UN36575	Rsa1.0.00070.1	823	150321	1.00E-148	409	455	89 +	208	662	94190	94638
UN36576	Rsa1.0.00940.1	694	179946	1.00E-156	326	339	96 +	2	338	4229	4567
UN36577	Rsa1.0.00634.1	628	71222	2.00E-51	127	134	94 +	494	624	44913	45046
UN36578	Rsa1.0.00792.1	1195	64163	0	587	594	98 -	602	1195	37843	38436
UN36579	Rsa1.0.01850.1	753	162224	1.00E-131	237	237	100 -	3	239	35350	35586
UN36580	Rsa1.0.06010.1	722	11944	1.00E-179	474	526	90 -	197	722	5045	5570

UN36581	Rsa1.0.00034.1	810	260119	0	725	801	90 -	23	810	86440	87226
UN36582	Rsa1.0.03801.1	700	20762	0	667	699	95 +	2	700	8028	8725
UN36583	Rsa1.0.00307.1	659	199003	0	652	657	99 -	2	657	60574	61230
UN36584	Rsa1.0.01590.1	712	42719	1.00E-135	309	329	93 +	372	697	37627	37948
UN36585	Rsa1.0.02667.1	561	28910	3.00E-31	178	216	82 +	365	559	22757	22972
UN36586	Rsa1.0.00423.1	652	86138	1.00E-175	454	497	91 -	172	652	76290	76780
UN36587	Rsa1.0.27719.1	670	842	0	584	594	98 +	3	595	249	842
UN36588	Rsa1.0.06320.1	802	11242	1.00E-120	243	251	96 +	552	802	9815	10065
UN36589	Rsa1.0.01843.1	809	265131	0	746	821	90 -	3	807	19729	20522
UN36590	Rsa1.0.04195.1	1045	18528	0	542	568	95 +	479	1045	1806	2372
UN36591	#	#	#	#	#	#	#	#	#	#	#
UN36592	Rsa1.0.00013.1	764	292129	1.00E-112	224	230	97 -	327	556	78092	78321
UN36593	Rsa1.0.00128.1	670	228675	1.00E-122	266	282	94 +	175	443	131985	132265
UN36594	Rsa1.0.01517.1	1075	44170	1.00E-90	176	178	98 -	545	722	25817	25994
UN36595	Rsa1.0.00626.1	733	71582	0	706	731	96 +	7	733	8376	9105
UN36596	Rsa1.0.00321.1	611	95671	1.00E-70	193	212	91 +	2	212	55609	55811
UN36597	Rsa1.0.01258.1	754	49755	1.00E-177	317	318	99 -	3	320	20950	21267
UN36598	Rsa1.0.05541.1	1171	139959	1.00E-110	233	243	95 -	548	790	134310	134552
UN36599	Rsa1.0.00906.1	860	178966	5.00E-40	128	141	90 -	718	858	497	636
UN36600	Rsa1.0.00115.1	1024	131321	0	952	958	99 +	68	1024	24263	25220
UN36601	Rsa1.0.00279.1	1036	100039	2.00E-42	135	148	91 +	830	974	7038	7180
UN36602	Rsa1.0.00348.1	1023	92818	0	962	1037	92 +	2	1023	60204	61219
UN36603	Rsa1.0.00931.1	553	59210	0	489	511	95 -	6	516	27527	28037
UN36604	Rsa1.0.03596.1	715	21862	0	709	713	99 -	2	714	16449	17160
UN36605	Rsa1.0.00108.1	1120	478491	0	897	934	96 -	105	1034	240364	241297
UN36606	Rsa1.0.01833.1	1053	38555	1.00E-152	297	305	97 -	422	726	2409	2713
UN36607	Rsa1.0.00913.1	865	59914	1.00E-89	174	176	98 +	425	600	14377	14552
UN36608	Rsa1.0.00484.1	980	203294	0	360	370	97 +	610	979	61023	61391
UN36609	Rsa1.0.00086.1	327	439854	1.00E-134	251	254	98 +	74	327	130139	130392
UN36610	Rsa1.0.00671.1	576	397884	1.00E-131	241	242	99 +	335	576	176136	176377
UN36611	Rsa1.0.00404.1	1059	87635	0	538	559	96 +	216	774	76392	76950
UN36612	Rsa1.0.00156.1	1062	118383	1.00E-145	275	278	98 -	785	1062	12757	13033
UN36613	Rsa1.0.00788.1	949	64237	0	541	545	99 +	407	949	31106	31650
UN36614	Rsa1.0.01351.1	742	47498	3.00E-99	261	286	91 -	465	740	9843	10125
UN36615	Rsa1.0.01937.1	1017	37147	0	477	504	94 -	3	494	17520	18023
UN36616	Rsa1.0.11811.1	826	5401	0	799	825	96 -	2	825	3754	4574
UN36617	Rsa1.0.25201.1	1022	947	2.00E-39	145	164	88 -	609	771	723	886
UN36618	Rsa1.0.00903.1	164	60228	2.00E-38	104	109	95 -	3	111	58466	58572
UN36619	Rsa1.0.00211.1	982	228189	1.00E-107	246	258	95 -	21	277	203850	204105

UN36620	Rsa1.0.00050.1	396	237174	1.00E-108	204	206	99 -	183	388	185707	185912
UN36621	Rsa1.0.00011.1	1110	225044	4.00E-90	314	359	87 -	746	1100	47905	48252
UN36622	Rsa1.0.00245.1	946	103569	1.00E-149	284	288	98 -	3	289	57606	57893
UN36623	Rsa1.0.01452.1	676	45459	0	650	675	96 -	1	675	11947	12616
UN36624	Rsa1.0.00493.1	761	80007	0	398	410	97 -	353	761	77926	78332
UN36625	Rsa1.0.02059.1	1188	35532	1.00E-155	281	282	99 -	297	578	20829	21110
UN36626	Rsa1.0.01327.1	833	48033	0	813	844	96 +	3	833	4631	5472
UN36627	Rsa1.0.00032.1	880	306326	0	855	880	97 +	1	880	262958	263833
UN36628	Rsa1.0.02388.1	929	31881	0	370	384	96 +	4	387	4809	5192
UN36629	Rsa1.0.02655.1	759	29027	0	743	766	96 -	3	759	26689	27452
UN36630	Rsa1.0.00221.1	607	106972	0	577	594	97 +	3	595	86635	87221
UN36631	Rsa1.0.00106.1	777	133916	2.00E-42	161	184	87 -	194	375	104429	104612
UN36632	Rsa1.0.02515.1	604	30616	0	554	588	94 -	18	602	19935	20519
UN36633	Rsa1.0.13592.1	293	4685	2.00E-89	219	237	92 +	69	293	2791	3027
UN36634	Rsa1.0.07817.1	861	8483	0	825	868	95 +	2	861	787	1641
UN36635	Rsa1.0.01390.1	634	46695	1.00E-178	357	368	97 +	2	368	15063	15429
UN36636	Rsa1.0.05317.1	811	14160	0	763	773	98 -	41	811	7809	8581
UN36637	Rsa1.0.00081.1	850	143261	1.00E-119	232	237	97 -	610	846	956	1192
UN36638	Rsa1.0.03135.1	480	25114	0	474	478	99 -	3	480	920	1397
UN36639	Rsa1.0.03834.1	590	20572	1.00E-103	200	203	98 +	55	257	14833	15035
UN36640	Rsa1.0.00093.1	826	214962	0	795	827	96 +	3	826	103706	104528
UN36641	Rsa1.0.01211.1	936	50646	0	530	556	95 +	2	557	38133	38665
UN36642	Rsa1.0.00169.1	683	274298	1.00E-155	318	330	96 -	355	683	229374	229703
UN36643	Rsa1.0.00017.1	889	752458	1.00E-143	374	411	90 +	6	416	417312	417717
UN36644	Rsa1.0.07782.1	913	8579	1.00E-149	572	671	85 -	214	873	1222	1890
UN36645	Rsa1.0.00005.1	626	353093	0	339	340	99 +	286	625	137522	137860
UN36646	Rsa1.0.01425.1	491	46136	1.00E-164	311	317	98 +	4	320	45674	45990
UN36647	Rsa1.0.00133.1	561	123768	8.00E-81	156	157	99 -	166	322	52521	52677
UN36648	Rsa1.0.01590.1	639	42719	0	607	634	95 +	11	639	40845	41477
UN36649	Rsa1.0.03872.1	594	20361	0	586	613	95 -	1	594	15775	16385
UN36650	Rsa1.0.00123.1	704	325650	0	700	703	99 -	1	703	90127	90829
UN36651	Rsa1.0.03093.1	270	25445	2.00E-88	237	264	89 +	2	265	15076	15320
UN36652	Rsa1.0.01411.1	636	46326	1.00E-132	242	243	99 +	120	362	44658	44900
UN36653	Rsa1.0.00251.1	435	303968	1.00E-175	311	311	100 +	2	312	104135	104445
UN36654	Rsa1.0.00740.1	902	215972	0	365	375	97 -	8	382	201837	202211
UN36655	Rsa1.0.00367.1	1234	90750	0	616	630	97 -	2	630	28492	29121
UN36656	Rsa1.0.00816.1	492	403350	8.00E-59	119	120	99 -	73	192	150295	150414
UN36657	Rsa1.0.01742.1	1000	39962	0	611	662	92 -	335	978	27038	27693
UN36658	Rsa1.0.00383.1	817	398431	0	778	816	95 +	5	817	174179	174981

UN36659	Rsa1.0.01905.1	555	37450	0	432	448	96 -	111	555	7447	7894
UN36660	Rsa1.0.00070.1	781	150321	1.00E-67	134	135	99 -	208	342	39770	39904
UN36661	Rsa1.0.01543.1	534	43645	0	513	533	96 -	2	534	563	1082
UN36662	Rsa1.0.00237.1	1046	235974	0	794	809	98 -	2	810	20856	21658
UN36663	Rsa1.0.05127.1	478	147533	0	371	375	98 -	104	478	136402	136776
UN36664	Rsa1.0.04675.1	785	16447	0	729	765	95 -	22	785	13397	14160
UN36665	Rsa1.0.02185.1	613	34150	0	579	622	93 +	6	613	2788	3405
UN36666	Rsa1.0.01215.1	837	166813	0	789	831	94 +	14	835	1730	2556
UN36667	Rsa1.0.01533.1	877	43765	0	498	535	93 +	350	874	9229	9744
UN36668	Rsa1.0.00382.1	1256	251946	0	750	772	97 +	486	1256	38232	39003
UN36669	Rsa1.0.01405.1	676	46445	0	378	381	99 +	296	676	36446	36826
UN36670	Rsa1.0.02729.1	1048	28394	0	951	1045	91 +	2	1046	4752	5796
UN36671	Rsa1.0.01334.1	900	47904	0	489	490	99 -	3	491	26746	27235
UN36672	Rsa1.0.01921.1	1083	168088	0	527	580	90 -	15	592	155878	156435
UN36673	Rsa1.0.00284.1	459	323267	0	415	423	98 +	5	427	252004	252422
UN36674	Rsa1.0.01041.1	869	55910	0	806	872	92 -	4	869	14569	15437
UN36675	Rsa1.0.01549.1	972	43543	0	765	772	99 +	3	774	40959	41730
UN36676	Rsa1.0.14408.1	596	3423	1.00E-61	131	133	98 -	465	596	2543	2675
UN36677	Rsa1.0.00353.1	935	92242	1.00E-175	326	331	98 +	604	934	40425	40755
UN36678	Rsa1.0.00065.1	1135	454616	0	925	941	98 -	6	943	51349	52289
UN36679	Rsa1.0.16865.1	679	2009	1.00E-155	277	277	100 -	403	679	1733	2009
UN36680	Rsa1.0.03134.1	762	145023	1.00E-168	344	359	95 +	301	659	2329	2687
UN36681	Rsa1.0.00992.1	531	57419	0	515	535	96 -	1	531	7280	7812
UN36682	Rsa1.0.00003.1	1105	340054	0	496	504	98 +	602	1105	320918	321421
UN36683	Rsa1.0.01177.1	859	51572	0	840	856	98 +	3	858	5466	6317
UN36684	Rsa1.0.00145.1	1099	261008	1.00E-172	309	310	99 -	235	544	21092	21401
UN36685	Rsa1.0.00006.1	652	396176	2.00E-87	179	184	97 +	149	332	61690	61873
UN36686	Rsa1.0.01315.1	870	48361	0	744	753	98 -	119	870	3171	3923
UN36687	Rsa1.0.01151.1	787	52268	0	773	787	98 -	3	786	3799	4585
UN36688	Rsa1.0.03137.1	343	25105	0	337	339	99 +	3	341	14324	14662
UN36689	Rsa1.0.00318.1	919	96094	2.00E-91	260	289	89 -	635	908	13339	13624
UN36690	Rsa1.0.01998.1	729	36276	0	587	634	92 -	3	630	2842	3472
UN36691	Rsa1.0.03703.1	1027	21282	0	966	984	98 -	2	985	5327	6310
UN36692	Rsa1.0.02559.1	782	30096	0	743	776	95 +	3	778	10565	11340
UN36693	Rsa1.0.00837.1	607	62568	1.00E-177	327	330	99 +	3	331	59504	59833
UN36694	Rsa1.0.03511.1	681	22373	9.00E-81	159	161	98 +	276	436	806	966
UN36695	Rsa1.0.04083.1	680	19174	0	532	535	99 -	144	678	8390	8924
UN36696	Rsa1.0.00087.1	735	761073	0	629	668	94 +	2	663	180748	181405
UN36697	Rsa1.0.02701.1	1006	28582	1.00E-170	306	307	99 -	700	1006	9342	9648

UN36698	Rsa1.0.01081.1	840	499226	2.00E-76	179	190	94 +	220	409	31704	31893
UN36699	Rsa1.0.02475.1	797	31073	0	777	784	99 +	2	785	12907	13690
UN36700	Rsa1.0.00861.1	707	61759	0	458	461	99 -	2	461	30922	31382
UN36701	Rsa1.0.01882.1	583	37697	1.00E-134	288	299	96 +	290	583	20903	21199
UN36702	Rsa1.0.02619.1	736	29444	0	412	431	95 -	306	734	211	636
UN36703	Rsa1.0.11877.1	977	5383	0	372	375	99 +	285	659	1	375
UN36704	Rsa1.0.02162.1	598	34431	0	486	498	97 -	1	498	18930	19427
UN36705	Rsa1.0.15002.1	597	2899	0	584	597	97 +	1	596	2215	2803
UN36706	Rsa1.0.04386.1	968	17627	1.00E-107	212	217	97 +	324	540	9691	9907
UN36707	Rsa1.0.01217.1	1193	50554	1.00E-177	324	327	99 -	851	1177	21132	21458
UN36708	Rsa1.0.03252.1	1045	24338	0	498	551	90 +	45	594	16316	16860
UN36709	Rsa1.0.02619.1	570	29444	0	557	569	97 -	3	570	11123	11689
UN36710	Rsa1.0.17309.1	790	1864	1.00E-166	308	312	98 -	3	314	623	934
UN36711	Rsa1.0.15449.1	530	2599	1.00E-174	344	352	97 +	178	529	501	847
UN36712	#	#	#	#	#	#	#	#	#	#	#
UN36713	Rsa1.0.03664.1	331	21487	1.00E-103	295	323	91 -	3	317	6087	6408
UN36714	Rsa1.0.06803.1	844	10330	1.00E-130	313	334	93 -	411	738	9751	10084
UN36715	Rsa1.0.00520.1	736	78226	1.00E-180	357	369	96 +	368	736	37747	38112
UN36716	Rsa1.0.01041.1	889	55910	0	462	464	99 -	426	889	567	1030
UN36717	Rsa1.0.01081.1	679	499226	1.00E-105	246	261	94 -	425	678	5735	5994
UN36718	Rsa1.0.00033.1	756	515811	0	712	758	93 +	8	754	349813	350563
UN36719	Rsa1.0.03952.1	785	19891	0	407	420	96 +	253	672	19139	19558
UN36720	Rsa1.0.03953.1	1042	19889	0	984	990	99 -	53	1042	13341	14330
UN36721	Rsa1.0.08538.1	1094	7220	0	613	624	98 +	469	1092	1430	2050
UN36722	Rsa1.0.00087.1	739	761073	0	607	623	97 +	120	739	543349	543970
UN36723	Rsa1.0.00281.1	653	99908	0	648	651	99 -	3	653	28354	29004
UN36724	Rsa1.0.00940.1	282	179946	5.00E-71	173	184	94 -	61	240	176839	177020
UN36725	Rsa1.0.01400.1	957	46560	1.00E-179	348	357	97 +	329	685	30179	30533
UN36726	Rsa1.0.00101.1	775	267193	0	613	640	95 -	147	766	228859	229498
UN36727	Rsa1.0.00366.1	701	90880	1.00E-12	78	91	85 +	157	247	174	264
UN36728	Rsa1.0.00032.1	934	306326	0	464	469	98 +	2	470	206807	207275
UN36729	Rsa1.0.00556.1	952	207212	0	920	957	96 -	3	952	8381	9331
UN36730	Rsa1.0.04034.1	862	19481	0	842	869	96 -	1	862	6087	6953
UN36731	Rsa1.0.00291.1	1179	172129	1.00E-142	262	264	99 -	3	266	97014	97277
UN36732	Rsa1.0.04265.1	505	18199	0	482	503	95 -	2	503	6203	6705
UN36733	Rsa1.0.00066.1	651	152418	0	431	456	94 +	200	648	14309	14764
UN36734	Rsa1.0.00549.1	632	76473	3.00E-25	118	136	86 -	133	267	26814	26949
UN36735	Rsa1.0.00211.1	706	228189	0	540	560	96 +	156	706	220317	220869
UN36736	Rsa1.0.00026.1	1012	327835	0	955	1018	93 -	3	1011	287929	288940

UN36737	Rsa1.0_01249.1	715	188432	1.00E-151	335	356	94 +	140	495	157688	158043
UN36738	Rsa1.0_00016.1	816	831256	3.00E-47	119	125	95 -	393	517	788447	788570
UN36739	Rsa1.0_15083.1	458	2844	0	346	347	99 -	112	458	2498	2844
UN36740	Rsa1.0_00964.1	576	316648	0	544	567	95 -	2	565	167657	168213
UN36741	Rsa1.0_02043.1	727	163754	0	437	447	97 -	282	727	143879	144322
UN36742	Rsa1.0_00040.1	578	324196	0	493	496	99 -	83	578	154590	155085
UN36743	Rsa1.0_01362.1	811	47217	2.00E-97	218	229	95 -	575	802	3073	3301
UN36744	Rsa1.0_03481.1	665	22627	0	350	357	98 +	35	391	9524	9879
UN36745	Rsa1.0_01669.1	1235	41286	0	441	442	99 -	357	798	9651	10092
UN36746	Rsa1.0_00829.1	529	158305	0	445	465	95 +	3	465	144399	144862
UN36747	Rsa1.0_00193.1	648	194198	0	423	436	97 -	214	648	129201	129636
UN36748	Rsa1.0_00017.1	1094	752458	0	646	666	96 -	1	663	592738	593403
UN36749	Rsa1.0_00474.1	1065	81731	1.00E-111	213	216	98 -	180	395	45726	45941
UN36750	Rsa1.0_00008.1	410	358124	0	404	415	97 +	3	410	286627	287041
UN36751	Rsa1.0_00176.1	1037	240984	1.00E-117	250	259	96 +	783	1037	223410	223665
UN36752	Rsa1.0_07004.1	807	10045	0	798	805	99 +	3	807	8880	9684
UN36753	Rsa1.0_02680.1	979	28721	1.00E-130	278	292	95 -	350	641	14053	14344
UN36754	Rsa1.0_01117.1	711	53465	1.00E-107	206	209	98 +	503	711	44303	44511
UN36755	Rsa1.0_01449.1	534	45570	1.00E-73	150	153	98 -	255	407	21860	22012
UN36756	Rsa1.0_01373.1	656	47052	0	634	657	96 -	1	656	8900	9553
UN36757	Rsa1.0_00427.1	713	189678	1.00E-179	377	396	95 -	309	704	22895	23287
UN36758	Rsa1.0_00301.1	774	365315	0	770	773	99 -	3	774	81652	82424
UN36759	Rsa1.0_00786.1	925	64285	1.00E-157	425	467	91 -	3	455	47790	48253
UN36760	Rsa1.0_05931.1	865	12210	0	466	501	93 -	371	865	7423	7912
UN36761	Rsa1.0_00051.1	920	258225	0	638	673	94 +	171	843	153307	153971
UN36762	Rsa1.0_02561.1	1176	30080	0	703	723	97 +	454	1175	19152	19871
UN36763	Rsa1.0_24867.1	723	963	0	435	451	96 +	123	566	327	777
UN36764	Rsa1.0_01613.1	1108	182542	0	550	571	96 +	3	568	167220	167790
UN36765	Rsa1.0_05485.1	653	13584	0	338	341	99 +	242	581	211	550
UN36766	Rsa1.0_03972.1	991	19787	0	560	573	97 +	421	991	208	776
UN36767	Rsa1.0_04499.1	957	17084	0	683	688	99 -	3	687	3248	3935
UN36768	Rsa1.0_12923.1	589	5075	1.00E-129	246	250	98 +	138	387	1	250
UN36769	Rsa1.0_03073.1	504	25574	1.00E-149	273	275	99 +	2	276	19541	19815
UN36770	Rsa1.0_02727.1	652	28404	0	592	600	98 +	53	652	3533	4131
UN36771	Rsa1.0_00405.1	1168	202864	0	451	475	94 -	690	1155	43484	43955
UN36772	Rsa1.0_00494.1	875	79967	0	435	438	99 -	439	875	73781	74217
UN36773	Rsa1.0_00028.1	853	293984	0	662	698	94 -	3	700	66786	67483
UN36774	Rsa1.0_00121.1	942	278029	0	374	377	99 -	566	942	100447	100823
UN36775	Rsa1.0_54017.1	1252	422	0	421	422	99 +	407	828	1	422

UN36776	Rsa1.0.01381.1	598	46908	1.00E-116	234	241	97 +	278	518	34959	35199
UN36777	Rsa1.0.00272.1	1038	447836	0	463	493	93 -	558	1035	430970	431459
UN36778	Rsa1.0.01751.1	1096	39806	0	525	546	96 -	431	976	34920	35464
UN36779	Rsa1.0.00116.1	889	365886	1.00E-128	294	314	93 +	562	865	313534	313844
UN36780	Rsa1.0.00744.1	840	66084	0	829	839	98 -	2	840	55611	56449
UN36781	Rsa1.0.00962.1	861	184909	0	390	392	99 +	470	861	183987	184378
UN36782	Rsa1.0.01424.1	769	46139	1.00E-163	378	409	92 +	373	767	13761	14162
UN36783	Rsa1.0.00451.1	1081	322533	0	425	433	98 -	649	1081	148069	148500
UN36784	Rsa1.0.00797.1	759	63959	0	565	586	96 +	173	757	17835	18420
UN36785	Rsa1.0.01575.1	1109	42924	0	814	854	95 -	189	1037	32030	32880
UN36786	Rsa1.0.00014.1	479	348985	0	476	477	99 +	2	478	214349	214825
UN36787	Rsa1.0.02713.1	461	28470	8.00E-96	238	256	92 -	2	255	27265	27513
UN36788	Rsa1.0.00089.1	910	406142	1.00E-153	414	461	89 -	118	578	209174	209628
UN36789	Rsa1.0.05823.1	546	12521	1.00E-132	289	303	95 -	240	541	7083	7384
UN36790	Rsa1.0.00635.1	960	175826	0	670	716	93 +	2	712	116392	117081
UN36791	Rsa1.0.00728.1	643	66704	1.00E-140	253	253	100 +	390	642	1	253
UN36792	Rsa1.0.01429.1	634	46061	0	434	442	98 -	193	634	5735	6176
UN36793	Rsa1.0.00099.1	689	159619	0	379	391	96 -	298	688	137915	138305
UN36794	Rsa1.0.05831.1	537	12493	0	450	479	93 -	59	537	7268	7742
UN36795	Rsa1.0.00059.1	1073	159650	2.00E-42	110	117	94 -	179	295	80603	80719
UN36796	Rsa1.0.00121.1	964	278029	1.00E-159	294	297	98 -	668	964	247132	247428
UN36797	Rsa1.0.25509.1	994	933	0	401	408	98 +	585	992	498	905
UN36798	Rsa1.0.00213.1	671	108167	1.00E-168	333	342	97 -	321	662	85150	85488
UN36799	Rsa1.0.02587.1	572	156090	0	563	572	98 +	1	571	155520	156090
UN36800	Rsa1.0.00087.1	591	761073	1.00E-170	345	359	96 -	230	588	56199	56557
UN36801	Rsa1.0.00228.1	878	105511	0	734	765	95 -	124	878	48906	49664
UN36802	Rsa1.0.00063.1	1068	156150	3.00E-20	103	120	85 +	66	185	55228	55347
UN36803	Rsa1.0.01154.1	845	52249	0	348	353	98 +	493	845	2609	2961
UN36804	Rsa1.0.06573.1	984	10742	0	785	800	98 -	2	801	6236	7035
UN36805	Rsa1.0.08675.1	287	7054	2.00E-33	79	81	97 -	2	82	2416	2496
UN36806	Rsa1.0.00284.1	924	323267	0	898	927	96 +	2	924	276758	277684
UN36807	#	#	#	#	#	#	#	#	#	#	#
UN36808	Rsa1.0.00278.1	1089	231896	0	1022	1080	94 -	13	1089	86298	87368
UN36809	Rsa1.0.00071.1	761	345714	1.00E-156	309	318	97 -	450	759	221163	221480
UN36810	Rsa1.0.01553.1	1113	43379	0	899	936	96 -	165	1100	27016	27945
UN36811	Rsa1.0.04375.1	774	141717	0	417	419	99 -	356	774	3230	3648
UN36812	Rsa1.0.03632.1	647	21645	0	328	329	99 -	2	330	18752	19080
UN36813	Rsa1.0.00324.1	839	218805	0	831	837	99 +	2	838	160756	161592
UN36814	Rsa1.0.05109.1	569	14818	0	557	581	95 -	3	569	12175	12754

UN36815	Rsa1.0_00097.1	704	138858	0	677	706	95 +	3	704	60207	60912
UN36816	Rsa1.0_00001.1	958	363028	0	938	959	97 +	1	954	282662	283613
UN36817	Rsa1.0_00049.1	1270	167018	0	375	382	98 -	317	696	150748	151129
UN36818	Rsa1.0_00404.1	780	87635	0	523	531	98 +	251	778	73258	73788
UN36819	Rsa1.0_04541.1	997	16931	0	600	611	98 +	381	991	13614	14220
UN36820	Rsa1.0_00014.1	303	348985	1.00E-170	302	302	100 +	2	303	294379	294680
UN36821	Rsa1.0_00874.1	710	179723	0	699	714	97 +	2	710	718	1429
UN36822	Rsa1.0_01263.1	969	49703	2.00E-42	119	127	93 +	26	149	25929	26054
UN36823	Rsa1.0_02034.1	833	35823	4.00E-77	213	235	90 +	24	258	12611	12845
UN36824	Rsa1.0_02471.1	505	31104	6.00E-63	145	150	96 +	290	436	3907	4056
UN36825	Rsa1.0_00634.1	1086	71222	0	598	630	94 +	239	864	7341	7961
UN36826	Rsa1.0_04139.1	843	18883	0	516	571	90 -	280	843	13124	13682
UN36827	Rsa1.0_01949.1	400	36960	1.00E-163	348	368	94 -	1	368	32085	32444
UN36828	Rsa1.0_00373.1	688	90296	0	375	385	97 +	19	403	27979	28361
UN36829	Rsa1.0_00385.1	335	89160	1.00E-133	258	264	97 +	77	335	29260	29523
UN36830	Rsa1.0_00089.1	875	406142	0	438	461	95 -	419	875	397363	397822
UN36831	Rsa1.0_04956.1	428	15331	1.00E-177	372	389	95 +	1	385	8546	8934
UN36832	Rsa1.0_02102.1	359	35009	9.00E-98	187	189	98 +	2	190	12562	12750
UN36833	Rsa1.0_01799.1	937	39127	0	903	932	96 +	7	937	1527	2458
UN36834	Rsa1.0_00059.1	697	159650	0	642	705	91 -	4	696	72491	73187
UN36835	Rsa1.0_00331.1	614	176754	0	585	609	96 -	3	611	37745	38345
UN36836	Rsa1.0_00045.1	656	328694	1.00E-112	232	241	96 +	188	428	225052	225292
UN36837	Rsa1.0_07345.1	532	9526	1.00E-137	284	296	95 -	110	405	7428	7719
UN36838	Rsa1.0_05505.1	1173	13500	2.00E-86	245	272	90 -	595	857	4441	4712
UN36839	Rsa1.0_00954.1	597	189536	0	585	599	97 +	2	597	186910	187507
UN36840	Rsa1.0_00372.1	695	90418	0	676	695	97 +	1	695	79632	80326
UN36841	Rsa1.0_05456.1	1239	13688	0	465	479	97 -	531	1001	1966	2444
UN36842	Rsa1.0_00771.1	909	64870	0	661	696	94 +	216	909	9605	10300
UN36843	Rsa1.0_04925.1	942	15424	0	716	778	92 -	2	775	456	1215
UN36844	Rsa1.0_00490.1	670	186713	1.00E-105	215	222	96 +	308	529	39915	40136
UN36845	Rsa1.0_02648.1	551	29073	5.00E-48	107	110	97 +	279	388	19853	19962
UN36846	Rsa1.0_28876.1	1568	800	0	761	761	100 -	48	808	40	800
UN36847	Rsa1.0_00402.1	690	385315	0	398	408	97 -	3	406	253633	254040
UN36848	Rsa1.0_08631.1	976	7103	1.00E-114	289	315	91 -	665	976	1945	2253
UN36849	Rsa1.0_02532.1	1129	30403	1.00E-139	270	274	98 +	860	1129	17632	17905
UN36850	Rsa1.0_02972.1	796	165812	3.00E-16	87	101	86 -	2	102	1597	1697
UN36851	Rsa1.0_00609.1	625	72785	1.00E-177	367	381	96 -	246	624	4919	5297
UN36852	Rsa1.0_01645.1	898	41748	0	448	463	96 +	434	896	37085	37541
UN36853	Rsa1.0_00616.1	219	195713	3.00E-53	185	215	86 +	1	215	194634	194822

UN36854	Rsa1.0.00305.1	787	97308	0	630	652	96 +	137	785	13826	14477
UN36855	Rsa1.0.02386.1	752	31895	1.00E-107	220	226	97 -	8	233	9957	10181
UN36856	Rsa1.0.02881.1	1122	27041	0	1073	1118	95 +	2	1112	20580	21697
UN36857	Rsa1.0.00278.1	1043	231896	0	516	531	97 -	509	1037	150877	151407
UN36858	Rsa1.0.01786.1	956	133324	0	784	888	88 -	2	860	128845	129699
UN36859	Rsa1.0.01174.1	873	51696	0	812	837	97 -	1	829	31589	32423
UN36860	Rsa1.0.02074.1	636	35370	0	588	614	95 +	2	614	29473	30083
UN36861	Rsa1.0.00040.1	228	324196	3.00E-78	214	230	93 -	2	224	167244	167473
UN36862	Rsa1.0.02794.1	714	27820	0	536	587	91 -	131	714	2403	2986
UN36863	Rsa1.0.00602.1	696	73302	0	409	425	96 -	266	690	4986	5409
UN36864	Rsa1.0.00119.1	728	467509	1.00E-122	244	251	97 +	85	335	63813	64063
UN36865	Rsa1.0.00314.1	683	96472	0	433	441	98 +	243	683	37587	38027
UN36866	Rsa1.0.00677.1	914	69159	1.00E-147	339	361	93 +	555	914	20016	20370
UN36867	Rsa1.0.01067.1	1127	55230	1.00E-130	239	240	99 +	888	1127	28453	28692
UN36868	#	#	#	#	#	#	#	#	#	#	#
UN36869	Rsa1.0.00543.1	1089	76788	0	816	838	97 +	8	845	14744	15572
UN36870	Rsa1.0.04483.1	965	17174	0	449	486	92 -	79	561	10674	11138
UN36871	Rsa1.0.01524.1	414	43949	0	383	399	95 -	17	414	10846	11242
UN36872	Rsa1.0.10416.1	898	5856	1.00E-165	351	366	95 -	522	886	4712	5069
UN36873	Rsa1.0.01696.1	602	301850	1.00E-169	375	404	92 -	32	417	26660	27063
UN36874	Rsa1.0.05596.1	544	137912	1.00E-110	239	249	95 +	297	543	136411	136658
UN36875	Rsa1.0.05692.1	707	12914	0	505	518	97 -	1	518	2147	2664
UN36876	Rsa1.0.00347.1	457	93048	0	402	419	95 -	4	421	69385	69803
UN36877	Rsa1.0.01779.1	913	39448	0	752	756	99 -	6	761	8801	9556
UN36878	Rsa1.0.00697.1	464	67913	2.00E-65	139	143	97 -	129	271	43648	43790
UN36879	Rsa1.0.02015.1	707	36008	0	677	691	97 -	2	692	7828	8518
UN36880	Rsa1.0.00387.1	740	495407	0	388	402	96 +	344	740	387101	387501
UN36881	Rsa1.0.00001.1	922	363028	1.00E-174	435	474	91 -	65	529	37504	37974
UN36882	Rsa1.0.00016.1	722	831256	2.00E-41	96	99	96 -	4	102	435660	435758
UN36883	Rsa1.0.00154.1	1058	189461	0	1028	1054	97 -	5	1056	181970	183021
UN36884	Rsa1.0.00425.1	1349	147080	0	1333	1363	97 -	3	1349	10090	11448
UN36885	Rsa1.0.00027.1	1065	283362	0	491	504	97 +	100	603	115850	116350
UN36886	Rsa1.0.00326.1	912	171955	1.00E-151	325	342	95 -	548	886	66206	66547
UN36887	Rsa1.0.03143.1	528	25024	0	513	527	97 -	2	528	17318	17844
UN36888	Rsa1.0.61386.1	699	373	1.00E-114	253	265	95 -	400	661	113	373
UN36889	Rsa1.0.02595.1	783	29715	0	739	759	97 +	36	783	16253	17011
UN36890	Rsa1.0.00933.1	1005	59164	0	973	1004	96 -	3	1005	31183	32186
UN36891	Rsa1.0.05122.1	691	14791	0	393	414	94 +	281	691	417	827
UN36892	Rsa1.0.02079.1	402	35306	7.00E-62	213	238	89 +	149	383	33684	33916

UN36893	Rsa1.0.00189.1	1084	111830	0	362	372	97 +	3	372	42070	42441
UN36894	Rsa1.0.00921.1	880	59599	0	496	509	97 +	374	880	31394	31902
UN36895	Rsa1.0.02237.1	989	33544	0	681	704	96 +	1	701	2722	3416
UN36896	Rsa1.0.01133.1	562	52916	1.00E-85	170	173	98 +	54	226	40202	40374
UN36897	Rsa1.0.09304.1	1132	6469	1.00E-161	405	443	91 -	3	444	4620	5041
UN36898	Rsa1.0.00307.1	533	199003	8.00E-53	174	198	87 -	47	235	84992	85189
UN36899	Rsa1.0.00472.1	1003	398134	1.00E-154	375	405	92 +	618	1002	175418	175821
UN36900	Rsa1.0.02651.1	1304	29046	0	495	505	98 +	4	508	20947	21451
UN36901	Rsa1.0.00094.1	783	139042	0	754	787	95 -	3	783	93952	94735
UN36902	Rsa1.0.00759.1	770	65465	0	391	400	97 -	366	762	25327	25726
UN36903	Rsa1.0.01377.1	1125	46967	0	553	582	95 -	534	1113	13119	13695
UN36904	Rsa1.0.03615.1	511	21766	0	499	522	95 -	2	511	9381	9900
UN36905	Rsa1.0.15644.1	1230	2505	0	587	619	94 -	6	612	577	1195
UN36906	Rsa1.0.01359.1	1267	47271	0	1195	1273	93 -	2	1259	1267	2509
UN36907	Rsa1.0.04991.1	939	15215	0	579	582	99 -	348	929	1	582
UN36908	Rsa1.0.09517.1	1028	6319	0	692	708	97 -	134	841	2293	3000
UN36909	Rsa1.0.00026.1	1280	327835	0	1214	1250	97 -	31	1280	8175	9422
UN36910	Rsa1.0.00040.1	710	324196	0	624	658	94 +	46	699	33258	33908
UN36911	Rsa1.0.11942.1	1036	5365	1.00E-133	461	534	86 -	179	712	70	603
UN36912	Rsa1.0.01907.1	983	37431	0	531	547	97 +	437	983	29529	30072
UN36913	Rsa1.0.00145.1	835	261008	8.00E-54	158	174	90 +	196	369	235535	235705
UN36914	Rsa1.0.04343.1	662	17827	0	650	665	97 -	3	662	6530	7194
UN36915	Rsa1.0.00020.1	625	283099	0	614	625	98 +	1	625	172840	173464
UN36916	Rsa1.0.00229.1	643	105471	0	547	560	97 +	7	566	71241	71800
UN36917	Rsa1.0.01629.1	887	41917	1.00E-151	292	299	97 -	3	301	16329	16627
UN36918	Rsa1.0.02525.1	769	30489	0	613	629	97 +	140	768	9441	10069
UN36919	Rsa1.0.00119.1	1041	467509	1.00E-130	368	405	90 +	612	1002	64536	64935
UN36920	Rsa1.0.00066.1	194	152418	5.00E-61	169	182	92 +	1	182	139482	139654
UN36921	Rsa1.0.02514.1	717	30642	1.00E-173	335	344	97 -	273	616	4603	4946
UN36922	Rsa1.0.00151.1	683	119541	0	652	699	93 +	3	683	53450	54135
UN36923	Rsa1.0.01466.1	1026	45161	0	491	522	94 +	320	833	20766	21283
UN36924	Rsa1.0.00176.1	829	240984	0	397	412	96 +	9	413	134541	134947
UN36925	Rsa1.0.00556.1	562	207212	1.00E-167	330	337	97 -	10	344	150913	151248
UN36926	Rsa1.0.02142.1	733	34633	1.00E-122	226	227	99 +	1	227	26452	26678
UN36927	Rsa1.0.06443.1	743	11008	0	675	730	92 +	27	742	9941	10645
UN36928	Rsa1.0.01363.1	489	47195	0	442	468	94 +	32	489	37133	37596
UN36929	Rsa1.0.00704.1	1146	67567	4.00E-84	162	163	99 +	927	1089	10562	10724
UN36930	Rsa1.0.09693.1	803	6208	1.00E-113	232	239	97 +	391	629	4921	5158
UN36931	Rsa1.0.14861.1	552	3007	0	418	425	98 -	128	550	1985	2408

UN36932	Rsa1.0_04155.1	686	134772	1.00E-137	247	247	100 -	164	410	126247	126493
UN36933	Rsa1.0_02876.1	546	27062	1.00E-127	325	355	91 +	90	441	615	966
UN36934	Rsa1.0_00896.1	703	60509	3.00E-50	102	102	100 -	40	141	23349	23450
UN36935	Rsa1.0_00163.1	843	116847	1.00E-119	264	277	95 -	476	749	79786	80062
UN36936	Rsa1.0_01710.1	675	40586	4.00E-12	77	90	85 -	586	675	14688	14777
UN36937	Rsa1.0_00419.1	1068	86562	0	508	522	97 +	3	524	55548	56068
UN36938	Rsa1.0_00113.1	1071	131574	1.00E-147	286	292	97 +	218	508	36936	37227
UN36939	Rsa1.0_08427.1	784	7371	0	397	402	98 -	2	403	1430	1831
UN36940	Rsa1.0_00336.1	1116	445051	0	933	972	95 -	16	973	14122	15091
UN36941	Rsa1.0_01327.1	730	48033	0	418	426	98 -	168	593	4602	5027
UN36942	Rsa1.0_00899.1	974	60404	0	793	803	98 -	172	972	20671	21473
UN36943	Rsa1.0_00671.1	357	397884	1.00E-134	316	338	93 +	2	333	192152	192483
UN36944	Rsa1.0_01530.1	713	43820	1.00E-109	221	227	97 -	489	713	35886	36112
UN36945	Rsa1.0_37754.1	535	597	1.00E-130	248	252	98 -	284	535	212	463
UN36946	Rsa1.0_18080.1	850	1673	0	528	532	99 -	318	849	1142	1673
UN36947	Rsa1.0_06185.1	697	11540	0	689	715	96 -	3	697	5432	6146
UN36948	Rsa1.0_02015.1	903	36008	0	869	901	96 -	3	903	32114	33014
UN36949	Rsa1.0_00087.1	536	761073	0	420	436	96 -	101	535	623064	623499
UN36950	Rsa1.0_00028.1	860	293984	0	590	606	97 +	251	853	31489	32094
UN36951	Rsa1.0_00123.1	816	325650	1.00E-144	331	354	93 -	305	652	251365	251717
UN36952	Rsa1.0_00707.1	541	190112	0	521	536	97 +	2	537	12981	13515
UN36953	Rsa1.0_11893.1	1125	5379	0	662	709	93 -	426	1122	4668	5360
UN36954	Rsa1.0_01105.1	1175	53958	0	375	378	99 +	799	1175	39099	39476
UN36955	Rsa1.0_00833.1	693	62621	0	590	609	96 -	76	684	38912	39520
UN36956	Rsa1.0_00190.1	743	318240	0	397	414	95 -	330	743	154659	155071
UN36957	Rsa1.0_00129.1	1151	126831	0	442	444	99 -	708	1151	36083	36526
UN36958	Rsa1.0_04817.1	973	15869	0	469	502	93 -	5	501	10622	11114
UN36959	Rsa1.0_00941.1	982	58891	1.00E-126	263	274	95 -	304	577	58119	58392
UN36960	Rsa1.0_00319.1	544	167331	0	508	538	94 -	12	544	133050	133584
UN36961	Rsa1.0_01452.1	843	45459	1.00E-169	507	576	88 -	277	843	10165	10717
UN36962	Rsa1.0_01733.1	504	40186	3.00E-95	193	197	97 -	308	504	17675	17870
UN36963	Rsa1.0_00564.1	731	75428	1.00E-114	228	233	97 +	499	731	67712	67943
UN36964	Rsa1.0_16971.1	1264	1969	0	1117	1226	91 -	2	1225	550	1769
UN36965	Rsa1.0_00179.1	340	393324	1.00E-115	246	255	96 +	88	336	2943	3197
UN36966	Rsa1.0_00028.1	774	293984	1.00E-89	183	188	97 -	2	189	297	484
UN36967	Rsa1.0_00154.1	535	189461	1.00E-97	308	344	89 +	103	432	153864	154205
UN36968	Rsa1.0_00218.1	931	201480	1.00E-150	364	393	92 +	542	929	13863	14253
UN36969	Rsa1.0_02016.1	679	36003	1.00E-163	315	323	97 -	50	372	6525	6847
UN36970	Rsa1.0_01556.1	625	163858	0	610	638	95 +	3	625	145283	145920

UN36971	Rsa1.0.02342.1	912	32374	1.00E-135	288	301	95 -	613	912	23554	23854
UN36972	Rsa1.0.01211.1	778	50646	0	735	786	93 +	2	772	19064	19839
UN36973	Rsa1.0.00092.1	1371	659932	1.00E-140	291	303	96 +	828	1127	298360	298662
UN36974	Rsa1.0.02295.1	730	149884	0	673	741	90 -	3	727	4057	4770
UN36975	Rsa1.0.07859.1	799	8409	1.00E-122	309	338	91 +	303	640	3563	3900
UN36976	Rsa1.0.00065.1	923	454616	0	422	435	97 -	489	923	248974	249408
UN36977	Rsa1.0.02748.1	666	28242	1.00E-36	85	87	97 -	18	104	24848	24934
UN36978	Rsa1.0.00178.1	690	114861	0	683	694	98 +	1	690	19537	20230
UN36979	Rsa1.0.00977.1	1131	198001	1.00E-129	308	332	92 -	751	1075	32057	32382
UN36980	Rsa1.0.00128.1	881	228675	0	420	444	94 -	299	737	193191	193634
UN36981	Rsa1.0.00434.1	583	85171	0	484	523	92 -	2	516	66220	66733
UN36982	Rsa1.0.00738.1	561	66322	1.00E-172	354	366	96 +	190	552	3355	3719
UN36983	Rsa1.0.02054.1	563	35548	1.00E-113	319	355	89 -	9	356	5734	6088
UN36984	Rsa1.0.00208.1	1054	108565	1.00E-93	350	407	85 -	207	612	21769	22175
UN36985	Rsa1.0.00232.1	605	104936	0	576	605	95 +	10	605	17107	17711
UN36986	Rsa1.0.01531.1	1160	43778	1.00E-151	281	284	98 +	501	784	16827	17110
UN36987	Rsa1.0.20735.1	431	1275	1.00E-145	349	372	93 +	61	429	481	840
UN36988	Rsa1.0.05097.1	617	14864	6.00E-14	71	81	87 -	268	348	1630	1710
UN36989	Rsa1.0.01442.1	997	45776	0	948	997	95 -	2	997	16655	17651
UN36990	Rsa1.0.00920.1	747	601703	1.00E-140	259	261	99 -	2	262	18548	18808
UN36991	Rsa1.0.00068.1	517	151813	1.00E-131	266	275	96 -	245	516	91233	91507
UN36992	Rsa1.0.00017.1	1004	752458	0	883	943	93 +	1	929	96901	97838
UN36993	Rsa1.0.13973.1	632	3969	2.00E-87	280	320	87 +	30	340	1437	1756
UN36994	Rsa1.0.00273.1	375	326186	1.00E-179	348	358	97 -	18	375	255019	255376
UN36995	Rsa1.0.03090.1	769	25464	1.00E-160	290	291	99 -	4	294	23198	23488
UN36996	Rsa1.0.03645.1	557	21599	1.00E-172	390	413	94 -	153	556	14526	14932
UN36997	Rsa1.0.00095.1	713	283384	1.00E-120	269	286	94 -	435	713	21290	21575
UN36998	Rsa1.0.01976.1	824	36570	0	723	723	100 -	102	824	33618	34340
UN36999	Rsa1.0.00099.1	444	159619	1.00E-94	198	204	97 +	242	444	146584	146787
UN37000	Rsa1.0.00085.1	802	142226	0	400	405	98 +	1	404	70114	70518
UN37001	Rsa1.0.00718.1	604	279335	0	597	602	99 -	3	604	227697	228298
UN37002	Rsa1.0.01536.1	941	43747	0	823	860	95 -	83	939	41443	42290
UN37003	Rsa1.0.00541.1	801	76863	0	791	799	98 -	3	801	30726	31524
UN37004	Rsa1.0.04527.1	1218	16958	0	718	722	99 -	3	723	6206	6927
UN37005	Rsa1.0.01921.1	1278	168088	0	559	568	98 -	2	566	156225	156792
UN37006	Rsa1.0.05269.1	1005	14311	0	998	1007	99 -	2	1005	6298	7304
UN37007	Rsa1.0.00638.1	855	71037	0	402	417	96 -	442	855	28229	28644
UN37008	Rsa1.0.03176.1	1224	24801	0	657	688	95 -	1	688	23514	24189
UN37009	Rsa1.0.00238.1	1137	193193	0	569	574	99 -	207	777	99555	100128

UN37010	Rsa1.0.02071.1	900	35409	0	874	895	97 +	2	896	19688	20582
UN37011	Rsa1.0.07881.1	1151	8369	0	1149	1150	99 +	2	1151	524	1673
UN37012	Rsa1.0.02745.1	679	28263	0	676	679	99 -	1	679	18306	18983
UN37013	Rsa1.0.00907.1	861	60062	0	846	859	98 -	4	861	1083	1936
UN37014	Rsa1.0.00464.1	871	82253	0	569	579	98 +	295	869	75570	76148
UN37015	Rsa1.0.04196.1	571	18515	0	538	557	96 -	7	562	16770	17325
UN37016	Rsa1.0.04156.1	1076	18799	0	787	819	96 -	244	1060	11663	12476
UN37017	Rsa1.0.01162.1	810	169104	0	453	458	98 -	355	810	144434	144890
UN37018	Rsa1.0.04776.1	1158	16017	0	1155	1158	99 +	2	1158	10755	11912
UN37019	Rsa1.0.04099.1	839	19060	2.00E-51	139	148	93 -	387	533	7785	7931
UN37020	Rsa1.0.01835.1	603	38542	6.00E-97	243	262	92 +	344	601	23455	23716
UN37021	Rsa1.0.02515.1	655	30616	0	650	652	99 -	3	654	12615	13266
UN37022	Rsa1.0.01806.1	749	39021	0	361	361	100 -	126	486	35302	35662
UN37023	Rsa1.0.04084.1	1497	19174	0	373	374	99 -	220	593	6378	6751
UN37024	Rsa1.0.02485.1	809	30968	1.00E-137	271	279	97 -	276	554	23284	23562
UN37025	Rsa1.0.00073.1	414	240924	0	396	415	95 -	1	414	82613	83026
UN37026	Rsa1.0.00095.1	868	283384	1.00E-107	235	246	95 -	624	868	122422	122667
UN37027	Rsa1.0.03367.1	632	23387	1.00E-173	322	326	98 -	309	631	1159	1484
UN37028	Rsa1.0.00947.1	470	58664	2.00E-93	193	199	96 +	5	199	37448	37646
UN37029	Rsa1.0.10173.1	865	5961	0	777	867	89 +	4	855	4486	5350
UN37030	Rsa1.0.00543.1	813	76788	1.00E-154	292	297	98 -	253	549	53002	53298
UN37031	Rsa1.0.02711.1	696	28475	0	683	696	98 -	1	695	21631	22321
UN37032	Rsa1.0.00087.1	889	761073	0	886	887	99 +	3	889	368771	369656
UN37033	Rsa1.0.06772.1	813	10387	0	775	811	95 +	3	809	5567	6377
UN37034	Rsa1.0.01983.1	616	36509	1.00E-103	221	231	95 -	358	588	28504	28734
UN37035	Rsa1.0.00292.1	432	98141	0	429	432	99 +	1	432	26736	27167
UN37036	Rsa1.0.00131.1	890	432233	0	872	890	97 +	1	890	264245	265134
UN37037	Rsa1.0.00346.1	1005	93130	0	996	1005	99 +	2	1003	22070	23074
UN37038	Rsa1.0.03942.1	667	19948	1.00E-100	236	250	94 -	417	666	9932	10179
UN37039	Rsa1.0.00151.1	1457	119541	0	512	519	98 +	940	1455	57861	58377
UN37040	Rsa1.0.00003.1	699	340054	1.00E-126	309	338	91 +	250	584	328737	329059
UN37041	Rsa1.0.01821.1	714	38798	0	584	586	99 -	1	586	25258	25842
UN37042	Rsa1.0.00224.1	465	327530	0	451	465	96 -	2	465	6200	6663
UN37043	Rsa1.0.00173.1	868	288743	2.33E-156	263	263	100 -	1	263	25595	25857
UN37044	Rsa1.0.00532.1	805	77384	1.00E-147	268	269	99 +	1	269	12835	13103
UN37045	Rsa1.0.02030.1	741	179909	0	739	741	99 +	1	741	163083	163822
UN37046	Rsa1.0.00028.1	728	293984	1.00E-130	239	240	99 +	487	726	54913	55152
UN37047	Rsa1.0.01120.1	1141	53438	5.00E-22	58	59	98 -	635	693	48790	48848
UN37048	Rsa1.0.00816.1	756	403350	0	391	394	99 -	363	756	263485	263878

UN37049	Rsa1.0_04236.1	1339	18370	0	362	362	100 -	59	420	10966	11327
UN37050	Rsa1.0_02428.1	1296	31542	1.00E-114	222	226	98 -	340	565	20260	20485
UN37051	Rsa1.0_01772.1	1121	39557	1.00E-105	201	203	99 -	164	366	13945	14147
UN37052	Rsa1.0_00054.1	874	162053	0	845	875	96 +	3	874	83001	83870
UN37053	Rsa1.0_00254.1	825	102600	0	552	554	99 -	2	555	89673	90226
UN37054	Rsa1.0_02319.1	947	32580	0	946	947	99 -	1	947	7903	8849
UN37055	Rsa1.0_69440.1	815	330	1.00E-168	314	319	98 -	1	319	1	319
UN37056	Rsa1.0_03233.1	772	24446	0	655	670	97 -	104	772	21675	22342
UN37057	Rsa1.0_01882.1	569	37697	1.00E-113	246	257	95 +	312	563	20903	21159
UN37058	Rsa1.0_01179.1	968	51549	0	712	726	98 +	243	968	47086	47804
UN37059	Rsa1.0_00065.1	931	454616	1.00E-138	278	286	97 -	473	757	249123	249408
UN37060	Rsa1.0_05821.1	1050	12531	1.00E-151	284	288	98 -	605	892	8283	8570
UN37061	Rsa1.0_00159.1	640	431686	1.00E-166	316	320	98 +	319	638	385541	385858
UN37062	Rsa1.0_17102.1	486	1924	0	461	488	94 -	1	485	1161	1648
UN37063	Rsa1.0_00802.1	649	63846	7.00E-23	101	116	87 +	139	254	47994	48109
UN37064	Rsa1.0_00965.1	1160	58139	1.00E-121	242	249	97 +	436	684	22517	22765
UN37065	Rsa1.0_00799.1	907	63918	1.00E-135	248	249	99 -	1	249	16363	16611
UN37066	Rsa1.0_00157.1	430	245832	0	425	426	99 +	4	429	191979	192404
UN37067	Rsa1.0_00026.1	732	327835	1.00E-152	299	305	98 +	1	305	46282	46584
UN37068	Rsa1.0_20843.1	838	1263	1.00E-162	352	372	94 +	261	629	892	1263
UN37069	Rsa1.0_00770.1	751	64900	0	499	503	99 -	1	503	5041	5543
UN37070	Rsa1.0_10708.1	1070	5750	1.00E-138	250	250	100 -	2	251	1895	2144
UN37071	Rsa1.0_01989.1	913	36439	1.00E-108	209	212	98 +	90	301	8874	9085
UN37072	Rsa1.0_00476.1	670	280966	0	338	340	99 -	190	529	204583	204922
UN37073	Rsa1.0_00108.1	746	478491	0	483	488	98 +	1	486	304736	305223
UN37074	Rsa1.0_00685.1	801	68515	0	797	800	99 +	3	801	23725	24524
UN37075	Rsa1.0_00836.1	716	185968	0	470	497	94 +	222	715	155703	156192
UN37076	Rsa1.0_01331.1	553	47944	1.00E-115	214	215	99 -	130	344	44993	45207
UN37077	Rsa1.0_03104.1	891	25374	1.00E-153	383	417	91 +	455	858	5215	5630
UN37078	Rsa1.0_00381.1	586	89718	0	496	507	97 -	81	586	75993	76498
UN37079	Rsa1.0_00198.1	1125	222963	0	1063	1136	93 -	2	1125	13520	14634
UN37080	Rsa1.0_05638.1	859	13098	0	537	547	98 -	2	548	328	874
UN37081	Rsa1.0_00069.1	551	403561	1.00E-151	334	354	94 +	1	347	9295	9648
UN37082	Rsa1.0_00014.1	773	348985	0	652	673	96 -	109	773	35237	35908
UN37083	Rsa1.0_01300.1	740	48942	1.00E-154	326	341	95 +	306	646	26044	26378
UN37084	Rsa1.0_00233.1	1024	104918	0	599	607	98 +	10	613	45564	46170
UN37085	Rsa1.0_00420.1	995	86496	0	829	878	94 +	136	995	77395	78262
UN37086	Rsa1.0_01006.1	922	163670	0	352	357	98 +	568	922	47827	48183
UN37087	Rsa1.0_01120.1	799	53438	0	564	565	99 -	3	567	33277	33840

UN37088	Rsa1.0.00131.1	583	432233	0	559	583	95 +	2	581	154490	155071
UN37089	Rsa1.0.00085.1	907	142226	0	366	368	99 -	252	619	50813	51180
UN37090	Rsa1.0.19447.1	651	1430	1.00E-79	172	179	96 +	473	651	638	816
UN37091	Rsa1.0.01674.1	757	168300	0	720	757	95 +	6	757	167149	167895
UN37092	Rsa1.0.02686.1	665	28666	9.00E-47	161	184	87 -	8	177	24039	24222
UN37093	Rsa1.0.01823.1	629	38765	7.00E-69	172	185	92 +	358	542	35793	35977
UN37094	Rsa1.0.14369.1	600	3472	1.00E-164	312	319	97 +	288	599	2627	2945
UN37095	Rsa1.0.02975.1	339	26322	3.00E-70	165	175	94 +	165	339	23003	23177
UN37096	Rsa1.0.00257.1	1098	102407	0	1090	1099	99 +	2	1098	48227	49325
UN37097	Rsa1.0.29195.1	1129	789	1.00E-147	308	324	95 -	3	324	1	312
UN37098	Rsa1.0.00858.1	467	61892	1.00E-102	191	192	99 +	45	236	14340	14531
UN37099	Rsa1.0.00781.1	757	64480	1.00E-103	190	190	100 +	3	192	30018	30207
UN37100	Rsa1.0.02023.1	886	35922	0	374	376	99 -	3	378	15899	16274
UN37101	Rsa1.0.02840.1	948	27386	0	731	766	95 -	198	948	23810	24575
UN37102	Rsa1.0.01377.1	980	46967	0	958	997	96 -	3	979	44607	45600
UN37103	Rsa1.0.08008.1	365	8086	4.00E-97	192	196	97 -	170	365	2509	2704
UN37104	Rsa1.0.00427.1	1032	189678	0	399	409	97 -	1	406	24692	25100
UN37105	Rsa1.0.00990.1	724	57445	0	490	518	94 -	208	722	6815	7330
UN37106	Rsa1.0.00959.1	1065	58202	0	1060	1064	99 +	2	1065	21240	22303
UN37107	Rsa1.0.03442.1	1016	22927	0	1011	1018	99 +	3	1015	21658	22675
UN37108	Rsa1.0.00340.1	809	305782	0	781	820	95 -	3	808	109391	110191
UN37109	Rsa1.0.03550.1	507	22154	1.00E-127	263	274	95 -	1	274	5354	5627
UN37110	Rsa1.0.04161.1	687	18788	0	517	546	94 +	1	540	8919	9457
UN37111	Rsa1.0.00745.1	803	66067	0	666	719	92 -	2	718	2590	3290
UN37112	Rsa1.0.03784.1	1097	20887	0	1019	1032	98 +	3	1028	12822	13852
UN37113	Rsa1.0.00179.1	807	393324	0	719	758	94 -	8	761	251646	252391
UN37114	Rsa1.0.00522.1	896	78103	1.00E-141	308	323	95 +	216	532	43474	43796
UN37115	Rsa1.0.00886.1	503	167350	0	475	494	96 +	7	497	48152	48645
UN37116	Rsa1.0.00810.1	937	63289	1.00E-138	264	269	98 -	489	757	7679	7947
UN37117	Rsa1.0.02699.1	907	28586	0	896	910	98 -	3	907	5209	6118
UN37118	Rsa1.0.02356.1	726	141500	0	661	708	93 -	6	710	4994	5689
UN37119	Rsa1.0.01105.1	858	53958	0	753	771	97 -	86	855	40702	41472
UN37120	Rsa1.0.01046.1	595	152989	1.00E-171	325	332	97 -	268	594	124797	125128
UN37121	Rsa1.0.02224.1	808	33758	0	649	655	99 -	155	808	31664	32318
UN37122	Rsa1.0.04372.1	637	17692	0	522	574	90 +	2	571	9918	10481
UN37123	Rsa1.0.00177.1	368	143394	1.00E-167	347	362	95 +	2	363	28937	29297
UN37124	Rsa1.0.00836.1	970	185968	1.00E-169	328	334	98 -	638	970	17829	18161
UN37125	Rsa1.0.00120.1	541	277288	0	339	340	99 -	201	540	54678	55017
UN37126	Rsa1.0.00487.1	656	80674	0	404	405	99 -	39	443	17754	18158

UN37127	Rsa1.0.06165.1	1135	11584	0	1084	1144	94 -	3	1135	4084	5212
UN37128	Rsa1.0.00838.1	849	153820	1.00E-151	292	298	97 +	11	305	130782	131079
UN37129	Rsa1.0.00794.1	1024	64063	0	486	496	97 -	531	1022	22158	22653
UN37130	Rsa1.0.00010.1	734	294827	0	367	368	99 +	368	734	175510	175877
UN37131	Rsa1.0.03029.1	811	25858	1.00E-102	204	209	97 +	1	209	16773	16981
UN37132	Rsa1.0.00662.1	1165	192183	1.00E-140	279	287	97 -	882	1165	4963	5249
UN37133	Rsa1.0.00727.1	458	66724	0	444	457	97 -	2	458	46870	47326
UN37134	Rsa1.0.04862.1	408	15688	4.00E-97	180	180	100 +	3	182	5061	5240
UN37135	Rsa1.0.04396.1	951	17561	0	369	379	97 -	1	376	3842	4220
UN37136	Rsa1.0.10927.1	496	5675	2.00E-47	112	117	95 +	2	118	17	133
UN37137	Rsa1.0.01525.1	602	43925	0	583	590	98 -	12	601	39840	40429
UN37138	Rsa1.0.00788.1	321	64237	2.00E-71	149	153	97 +	34	186	34653	34805
UN37139	Rsa1.0.00724.1	634	66789	0	531	567	93 +	67	633	44901	45466
UN37140	Rsa1.0.00806.1	375	63674	1.00E-166	349	368	94 +	8	375	58502	58861
UN37141	Rsa1.0.00759.1	888	65465	1.00E-122	244	251	97 +	212	462	42825	43075
UN37142	Rsa1.0.06433.1	713	11031	1.00E-129	253	259	97 +	175	433	6119	6377
UN37143	Rsa1.0.03236.1	828	24441	1.00E-159	303	308	98 -	522	828	15303	15610
UN37144	Rsa1.0.00341.1	928	249309	0	374	376	99 -	2	376	142437	142812
UN37145	Rsa1.0.03044.1	902	25791	0	546	573	95 +	336	902	22864	23436
UN37146	Rsa1.0.01903.1	682	37451	1.00E-165	309	314	98 -	252	565	23839	24152
UN37147	Rsa1.0.00881.1	782	61260	0	495	498	99 +	286	782	47365	47862
UN37148	Rsa1.0.00861.1	1099	61759	0	1096	1097	99 +	1	1097	22619	23715
UN37149	Rsa1.0.02029.1	797	35857	4.00E-80	548	680	80 +	5	684	4553	5232
UN37150	Rsa1.0.23752.1	1083	1027	1.00E-112	226	232	97 -	852	1083	80	308
UN37151	Rsa1.0.05871.1	613	12356	0	491	508	96 +	3	510	4421	4913
UN37152	Rsa1.0.00004.1	1192	253996	1.00E-164	330	342	96 +	3	344	19970	20307
UN37153	Rsa1.0.03912.1	1452	135266	0	380	383	99 -	3	385	15904	16286
UN37154	Rsa1.0.13743.1	585	4394	1.00E-102	201	204	98 +	159	360	1151	1354
UN37155	Rsa1.0.00840.1	579	62514	0	538	576	93 +	2	577	28526	29088
UN37156	Rsa1.0.01752.1	794	39805	0	775	794	97 +	2	794	31694	32487
UN37157	Rsa1.0.00096.1	1190	198773	1.00E-101	257	280	91 +	3	282	174078	174348
UN37158	Rsa1.0.00143.1	855	121313	0	399	418	95 -	440	855	98871	99287
UN37159	Rsa1.0.04324.1	763	17903	1.00E-80	368	435	84 +	51	480	12610	13043
UN37160	Rsa1.0.05415.1	925	13830	0	741	744	99 -	2	742	10745	11488
UN37161	Rsa1.0.00016.1	624	831256	1.00E-122	293	313	93 +	313	624	578847	579155
UN37162	Rsa1.0.07611.1	756	9025	0	756	756	100 +	1	756	3715	4470
UN37163	Rsa1.0.00032.1	962	306326	1.00E-110	217	222	97 +	739	960	204411	204632
UN37164	Rsa1.0.04331.1	936	140984	1.00E-169	374	395	94 -	542	935	16781	17170
UN37165	Rsa1.0.00040.1	1208	324196	0	1202	1206	99 -	3	1208	322448	323653

UN37166	Rsa1.0.00067.1	624	415055	0	618	618	100 -	2	619	347690	348307
UN37167	Rsa1.0.05762.1	851	12715	0	561	609	92 +	242	838	7475	8080
UN37168	Rsa1.0.05112.1	814	14814	1.00E-127	288	308	93 -	451	750	11207	11514
UN37169	Rsa1.0.01178.1	660	51571	0	510	522	97 -	137	658	48628	49146
UN37170	Rsa1.0.00713.1	840	158017	1.00E-111	281	304	92 -	540	840	31139	31442
UN37171	Rsa1.0.01455.1	655	45440	0	638	652	97 -	2	651	42217	42868
UN37172	Rsa1.0.03689.1	1024	21354	4.00E-87	321	372	86 -	1	371	15469	15840
UN37173	Rsa1.0.00215.1	890	201775	1.00E-104	204	208	98 +	628	835	80326	80533
UN37174	Rsa1.0.00740.1	852	215972	0	825	851	96 -	2	852	9256	10103
UN37175	Rsa1.0.33678.1	1024	673	0	640	651	98 -	240	886	24	673
UN37176	Rsa1.0.03032.1	703	25836	0	627	657	95 -	3	657	7741	8391
UN37177	Rsa1.0.00013.1	832	292129	0	382	391	97 +	290	680	143915	144305
UN37178	Rsa1.0.00878.1	832	330303	1.00E-150	303	313	96 -	1	311	113554	113866
UN37179	Rsa1.0.00876.1	779	61328	9.00E-69	193	213	90 +	1	213	42181	42393
UN37180	Rsa1.0.01095.1	1066	54276	0	734	794	92 -	303	1066	26334	27124
UN37181	Rsa1.0.02382.1	506	31969	0	379	380	99 -	127	506	28188	28567
UN37182	Rsa1.0.00087.1	1248	761073	1.00E-157	423	470	90 +	501	961	101080	101549
UN37183	Rsa1.0.00866.1	870	61676	1.00E-148	266	266	100 +	604	869	28145	28410
UN37184	Rsa1.0.00258.1	663	102381	1.00E-100	218	231	94 -	23	242	9067	9297
UN37185	Rsa1.0.00552.1	643	206757	2.33E-156	277	281	98 -	362	640	51512	51792
UN37186	Rsa1.0.00751.1	1030	65759	0	331	332	99 +	698	1029	14946	15277
UN37187	Rsa1.0.00890.1	879	323870	0	571	574	99 -	305	877	205226	205799
UN37188	Rsa1.0.07542.1	803	9160	0	334	334	100 -	469	802	7474	7807
UN37189	Rsa1.0.26579.1	816	885	0	411	424	96 -	272	695	462	883
UN37190	Rsa1.0.00169.1	650	274298	0	508	521	97 +	76	596	60050	60570
UN37191	Rsa1.0.00201.1	830	232851	0	801	847	94 +	3	826	138744	139587
UN37192	Rsa1.0.03117.1	822	25295	0	813	815	99 +	4	818	16896	17710
UN37193	Rsa1.0.00451.1	629	322533	0	560	583	96 -	51	629	248630	249205
UN37194	Rsa1.0.00376.1	774	90101	0	418	419	99 +	2	420	32436	32854
UN37195	Rsa1.0.00175.1	1027	166121	0	1020	1026	99 -	2	1027	42044	43068
UN37196	Rsa1.0.05909.1	554	12265	0	545	552	98 -	3	554	9630	10179
UN37197	Rsa1.0.00112.1	614	132199	0	418	418	100 -	195	612	13739	14156
UN37198	Rsa1.0.00380.1	797	89748	1.00E-141	254	254	100 +	544	797	47239	47492
UN37199	Rsa1.0.00101.1	1145	267193	0	1140	1144	99 -	2	1145	228038	229181
UN37200	Rsa1.0.01507.1	933	44361	0	497	506	98 -	428	933	17537	18041
UN37201	Rsa1.0.00071.1	701	345714	0	445	468	95 +	3	470	58298	58764
UN37202	Rsa1.0.02680.1	631	28721	1.00E-135	248	249	99 -	383	631	8539	8787
UN37203	Rsa1.0.04545.1	369	146799	1.00E-100	228	241	94 -	102	341	15291	15531
UN37204	Rsa1.0.00132.1	1026	124299	0	529	540	97 -	483	1022	88217	88755

UN37205	Rsa1.0.03193.1	1239	24690	0	798	805	99 -	273	1077	3258	4062
UN37206	Rsa1.0.01782.1	1286	39384	0	960	1004	95 +	282	1285	20788	21776
UN37207	Rsa1.0.05842.1	958	12461	0	446	456	97 -	267	722	5021	5473
UN37208	Rsa1.0.02158.1	1117	154841	0	1094	1101	99 -	18	1117	121551	122651
UN37209	Rsa1.0.06108.1	672	11730	0	511	518	98 +	155	672	1130	1644
UN37210	Rsa1.0.03058.1	1366	25715	0	365	372	98 +	716	1087	7715	8086
UN37211	Rsa1.0.10379.1	597	5866	1.00E-162	296	297	99 -	3	299	5435	5730
UN37212	Rsa1.0.01595.1	1568	175383	0	544	547	99 +	2	548	167493	168039
UN37213	Rsa1.0.01024.1	753	56569	3.00E-16	123	145	84 +	141	284	41445	41587
UN37214	Rsa1.0.00257.1	740	102407	1.00E-170	315	319	98 -	415	733	14675	14993
UN37215	Rsa1.0.03822.1	795	20640	1.00E-153	277	278	99 -	518	795	11977	12254
UN37216	Rsa1.0.02925.1	1147	26720	0	1063	1146	92 -	2	1147	9234	10373
UN37217	Rsa1.0.21197.1	698	1226	5.00E-98	200	206	97 -	255	460	1021	1226
UN37218	Rsa1.0.00528.1	794	164755	0	782	796	98 -	3	794	103335	104130
UN37219	Rsa1.0.01673.1	719	41197	0	455	486	93 +	140	621	15354	15832
UN37220	Rsa1.0.04041.1	1240	19430	0	1201	1249	96 +	4	1240	2004	3245
UN37221	Rsa1.0.00368.1	869	90669	0	624	671	92 -	81	747	11925	12569
UN37222	Rsa1.0.35727.1	859	633	1.00E-156	288	291	98 -	275	565	197	487
UN37223	Rsa1.0.03809.1	803	20731	0	772	799	96 -	8	803	4585	5383
UN37224	Rsa1.0.04483.1	852	17174	0	787	791	99 -	62	852	1002	1792
UN37225	Rsa1.0.00079.1	659	606987	0	591	592	99 -	68	659	100045	100636
UN37226	Rsa1.0.03362.1	1306	23453	0	1203	1208	99 +	99	1306	17895	19102
UN37227	Rsa1.0.50113.1	645	453	1.00E-118	227	231	98 -	415	645	75	305
UN37228	Rsa1.0.56882.1	888	402	2.00E-57	120	122	98 -	399	520	1	122
UN37229	Rsa1.0.00182.1	1121	142305	1.00E-147	403	447	90 -	665	1099	94978	95422
UN37230	Rsa1.0.03352.1	914	23506	0	337	337	100 +	578	914	9339	9675
UN37231	Rsa1.0.00003.1	682	340054	1.00E-162	386	419	92 -	3	421	329831	330236
UN37232	Rsa1.0.00332.1	1011	94575	0	960	1016	94 +	2	1009	21241	22240
UN37233	Rsa1.0.10922.1	668	5677	0	588	589	99 -	3	591	541	1129
UN37234	Rsa1.0.06197.1	551	11510	0	430	436	98 -	1	436	4120	4555
UN37235	Rsa1.0.00112.1	970	132199	0	422	435	97 -	6	440	120069	120503
UN37236	Rsa1.0.00305.1	1003	97308	1.00E-90	170	170	100 -	279	448	4967	5136
UN37237	Rsa1.0.01719.1	931	40388	0	406	423	95 +	383	805	21193	21615
UN37238	Rsa1.0.07837.1	510	8449	1.00E-150	307	318	96 -	191	508	6534	6850
UN37239	Rsa1.0.00117.1	1000	213118	4.00E-16	82	93	88 +	44	136	115907	115998
UN37240	Rsa1.0.02727.1	598	28404	1.00E-180	350	360	97 +	85	444	3533	3892
UN37241	Rsa1.0.00639.1	764	165873	1.00E-117	235	242	97 -	121	362	143616	143857
UN37242	Rsa1.0.01565.1	815	155447	0	640	644	99 -	172	815	23101	23740
UN37243	Rsa1.0.00027.1	642	283362	0	629	640	98 -	3	642	67016	67655

UN37244	Rsa1.0.00848.1	660	152362	1.00E-119	309	333	92 +	331	660	6512	6836
UN37245	Rsa1.0.06615.1	675	10659	0	330	331	99 -	343	673	5565	5894
UN37246	Rsa1.0.00085.1	263	142226	1.00E-139	259	262	98 +	2	263	57024	57285
UN37247	Rsa1.0.00376.1	750	90101	1.00E-123	240	245	97 +	137	381	62541	62785
UN37248	Rsa1.0.00047.1	816	168582	0	530	544	97 -	118	661	96256	96799
UN37249	Rsa1.0.16390.1	982	2169	0	950	977	97 -	3	977	383	1353
UN37250	Rsa1.0.00128.1	1257	228675	0	1209	1213	99 +	46	1256	31107	32319
UN37251	Rsa1.0.00261.1	745	151157	0	718	752	95 +	3	744	6874	7621
UN37252	Rsa1.0.03392.1	1015	23248	0	914	927	98 +	85	1011	16399	17325
UN37253	Rsa1.0.00435.1	582	317579	1.00E-168	306	307	99 +	277	582	72603	72909
UN37254	Rsa1.0.03283.1	870	24089	0	328	329	99 +	3	331	2702	3030
UN37255	Rsa1.0.03843.1	767	20496	1.00E-100	274	303	90 +	232	534	4496	4790
UN37256	Rsa1.0.00417.1	1104	395068	1.00E-141	317	338	93 +	554	891	4931	5268
UN37257	Rsa1.0.00701.1	786	67691	1.00E-165	536	601	89 -	191	781	64977	65568
UN37258	Rsa1.0.01148.1	1086	52375	1.00E-156	280	280	100 +	334	613	27134	27413
UN37259	Rsa1.0.01899.1	812	37474	0	468	470	99 -	146	615	36248	36717
UN37260	Rsa1.0.04811.1	876	15885	0	625	628	99 -	249	876	10941	11568
UN37261	Rsa1.0.08935.1	907	6771	1.00E-125	282	300	94 +	17	313	2026	2319
UN37262	Rsa1.0.01201.1	943	50856	1.00E-152	285	289	98 -	1	289	1	289
UN37263	Rsa1.0.38291.1	1210	588	1.00E-161	325	337	96 +	131	467	1	337
UN37264	Rsa1.0.00093.1	884	214962	1.00E-160	296	298	99 -	3	298	71629	71926
UN37265	Rsa1.0.00034.1	643	260119	1.00E-145	301	313	96 -	12	323	21894	22206
UN37266	Rsa1.0.01202.1	1176	158825	0	708	720	98 +	2	721	158106	158825
UN37267	Rsa1.0.00383.1	705	398431	0	704	704	100 +	2	705	197666	198369
UN37268	Rsa1.0.18123.1	793	1662	2.00E-79	151	151	100 -	179	329	128	278
UN37269	Rsa1.0.03098.1	742	25431	0	398	400	99 -	2	401	5908	6307
UN37270	Rsa1.0.00015.1	720	561803	1.00E-113	322	360	89 -	371	711	22137	22495
UN37271	Rsa1.0.01921.1	683	168088	2.33E-156	294	304	96 -	285	585	144486	144789
UN37272	Rsa1.0.02009.1	994	36100	0	865	867	99 +	3	869	33095	33961
UN37273	Rsa1.0.07100.1	1234	9896	0	1186	1240	95 -	1	1234	4240	5466
UN37274	Rsa1.0.01099.1	1184	158481	1.00E-175	394	422	93 -	75	496	15569	15984
UN37275	Rsa1.0.00260.1	929	102021	0	412	421	97 -	1	418	73978	74396
UN37276	Rsa1.0.01880.1	624	37745	0	573	590	97 +	35	624	16488	17064
UN37277	Rsa1.0.02219.1	626	33798	1.00E-158	285	286	99 -	341	626	6870	7155
UN37278	Rsa1.0.01308.1	1026	48596	4.00E-50	134	142	94 +	516	656	4835	4975
UN37279	Rsa1.0.01223.1	930	50392	1.00E-175	326	331	98 +	3	333	32496	32826
UN37280	Rsa1.0.21164.1	684	1229	1.00E-138	294	305	96 +	344	647	836	1137
UN37281	Rsa1.0.19730.1	875	1391	1.00E-135	248	249	99 -	627	875	1143	1391
UN37282	Rsa1.0.03073.1	717	25574	1.00E-112	206	206	100 -	4	209	12140	12345

UN37283	Rsa1.0.00668.1	824	69421	0	697	730	95 +	1	718	29271	29998
UN37284	Rsa1.0.00543.1	428	76788	0	340	343	99 +	86	428	51011	51353
UN37285	Rsa1.0.02653.1	898	29030	5.00E-37	104	112	92 -	102	213	232	343
UN37286	Rsa1.0.00449.1	1197	83863	0	595	610	97 +	1	609	32956	33563
UN37287	Rsa1.0.00338.1	636	94109	0	631	638	98 -	3	636	69391	70028
UN37288	Rsa1.0.07943.1	686	8207	0	673	678	99 +	1	678	4395	5072
UN37289	Rsa1.0.01865.1	537	37992	0	532	538	98 +	2	537	30607	31144
UN37290	Rsa1.0.00365.1	1227	90902	0	415	417	99 +	811	1227	14660	15076
UN37291	Rsa1.0.00089.1	818	406142	0	756	777	97 -	3	775	404284	405058
UN37292	Rsa1.0.00067.1	384	415055	1.00E-126	294	315	93 +	2	315	220073	220376
UN37293	Rsa1.0.03454.1	1396	149870	0	1387	1396	99 +	1	1396	136367	137762
UN37294	Rsa1.0.00006.1	593	396176	1.00E-58	168	184	91 -	42	224	182656	182839
UN37295	Rsa1.0.00032.1	1131	306326	1.00E-132	272	285	95 +	847	1131	293778	294051
UN37296	Rsa1.0.00858.1	541	61892	0	528	544	97 -	1	541	36381	36924
UN37297	Rsa1.0.03798.1	691	20800	0	407	410	99 +	3	412	3932	4341
UN37298	Rsa1.0.05140.1	607	14710	0	598	605	98 +	3	605	2889	3493
UN37299	Rsa1.0.00221.1	1004	106972	0	971	976	99 +	29	1004	82038	83013
UN37300	Rsa1.0.10033.1	866	6031	0	382	382	100 +	450	831	1095	1476
UN37301	Rsa1.0.00127.1	476	127446	5.00E-60	165	180	91 +	104	280	25003	25182
UN37302	Rsa1.0.04464.1	718	17241	0	680	703	96 -	15	713	665	1367
UN37303	Rsa1.0.03264.1	951	145959	1.00E-158	294	297	98 -	1	297	127971	128264
UN37304	Rsa1.0.27606.1	684	846	1.00E-167	355	370	95 -	317	684	478	846
UN37305	Rsa1.0.02142.1	1277	34633	1.00E-157	322	335	96 -	2	336	27761	28092
UN37306	Rsa1.0.01240.1	1232	50075	0	431	435	99 +	798	1232	11712	12146
UN37307	Rsa1.0.08098.1	389	7914	1.00E-121	223	224	99 +	165	388	5202	5425
UN37308	Rsa1.0.01081.1	791	499226	0	473	477	99 +	311	786	154135	154611
UN37309	Rsa1.0.05913.1	439	12254	1.00E-121	232	236	98 -	204	439	3920	4155
UN37310	Rsa1.0.00018.1	1205	410899	0	935	941	99 -	84	1024	358769	359709
UN37311	Rsa1.0.05266.1	841	14320	0	823	826	99 +	3	828	5788	6613
UN37312	Rsa1.0.00648.1	899	70351	0	805	883	91 +	14	878	64432	65304
UN37313	Rsa1.0.01247.1	1143	49934	0	686	688	99 -	455	1142	32120	32807
UN37314	Rsa1.0.02826.1	660	27560	2.00E-85	203	217	93 -	250	466	21708	21924
UN37315	Rsa1.0.04758.1	575	16112	0	572	575	99 -	3	575	10404	10978
UN37316	Rsa1.0.02098.1	1176	35032	1.00E-122	247	255	96 -	785	1039	19495	19749
UN37317	Rsa1.0.04190.1	1000	18581	1.00E-144	269	271	99 +	731	1000	5603	5873
UN37318	Rsa1.0.03934.1	940	19984	0	633	669	94 -	2	666	3504	4162
UN37319	Rsa1.0.01460.1	947	45255	1.00E-171	320	325	98 -	622	946	27244	27568
UN37320	Rsa1.0.03923.1	492	20057	0	487	491	99 +	1	491	7714	8203
UN37321	Rsa1.0.01434.1	1069	45951	0	514	558	92 -	535	1069	27584	28132

UN37322	Rsa1.0.00193.1	552	194198	1.00E-164	306	309	99 -	243	551	102935	103242
UN37323	Rsa1.0.00220.1	1238	192936	1.00E-162	337	350	96 +	885	1233	180567	180915
UN37324	Rsa1.0.00032.1	654	306326	0	650	651	99 +	3	653	205715	206365
UN37325	Rsa1.0.00236.1	763	104771	2.00E-60	119	119	100 -	2	120	24378	24496
UN37326	Rsa1.0.02169.1	285	34367	1.00E-128	251	256	98 -	30	285	3935	4189
UN37327	Rsa1.0.01191.1	1079	51235	1.00E-121	231	234	98 -	99	332	8901	9134
UN37328	Rsa1.0.00344.1	1221	191774	1.00E-166	299	300	99 +	922	1221	5045	5344
UN37329	Rsa1.0.00878.1	872	330303	0	590	602	98 -	272	872	302837	303436
UN37330	Rsa1.0.00539.1	836	76926	1.00E-167	310	314	98 -	154	467	34341	34654
UN37331	Rsa1.0.01152.1	403	52264	1.00E-112	304	337	90 -	67	403	8211	8547
UN37332	Rsa1.0.00837.1	682	62568	0	678	680	99 +	3	682	8735	9414
UN37333	Rsa1.0.01514.1	876	44222	0	872	874	99 +	3	876	2885	3758
UN37334	Rsa1.0.06014.1	770	11930	0	765	768	99 +	1	765	10246	11013
UN37335	Rsa1.0.01718.1	859	40389	2.00E-73	141	141	100 -	136	276	39691	39831
UN37336	Rsa1.0.01365.1	540	47142	0	533	537	99 +	4	540	4613	5149
UN37337	Rsa1.0.03208.1	519	24599	5.00E-11	66	76	86 -	444	519	19171	19246
UN37338	Rsa1.0.00603.1	931	73299	3.00E-78	158	161	98 +	48	208	17269	17429
UN37339	Rsa1.0.00538.1	1283	77149	0	1058	1176	89 -	140	1283	63983	65124
UN37340	Rsa1.0.00108.1	692	478491	1.00E-83	379	447	84 +	247	671	436861	437301
UN37341	Rsa1.0.02032.1	1073	35830	0	923	925	99 -	149	1073	23332	24256
UN37342	Rsa1.0.00681.1	1003	68779	0	508	527	96 +	6	532	37343	37869
UN37343	Rsa1.0.00016.1	520	831256	0	494	519	95 +	3	520	673765	674274
UN37344	Rsa1.0.00064.1	1190	240927	0	609	657	92 -	533	1186	48595	49240
UN37345	Rsa1.0.04325.1	1045	17885	0	1040	1044	99 -	1	1044	12306	13348
UN37346	Rsa1.0.01806.1	1173	39021	0	1035	1126	91 +	67	1173	36391	37478
UN37347	Rsa1.0.01517.1	742	44170	0	562	572	98 +	3	574	19921	20492
UN37348	Rsa1.0.02836.1	740	27481	0	736	738	99 +	3	740	11299	12036
UN37349	Rsa1.0.00024.1	918	188018	0	649	665	97 -	3	667	19066	19730
UN37350	Rsa1.0.08095.1	632	7916	0	408	414	98 -	224	632	4566	4979
UN37351	Rsa1.0.00951.1	1157	164588	0	1150	1155	99 -	1	1155	40771	41923
UN37352	Rsa1.0.01364.1	739	47172	0	734	738	99 -	3	739	45233	45970
UN37353	Rsa1.0.00233.1	988	104918	0	577	583	98 +	407	986	95556	96138
UN37354	Rsa1.0.02965.1	1138	26402	1.00E-135	486	557	87 +	575	1126	1446	2000
UN37355	Rsa1.0.03922.1	618	20060	1.00E-154	324	340	95 +	279	618	2801	3140
UN37356	Rsa1.0.00007.1	372	239325	0	365	369	98 -	3	371	127459	127827
UN37357	Rsa1.0.00301.1	836	365315	0	485	491	98 +	349	835	182014	182504
UN37358	Rsa1.0.00948.1	1141	58620	0	987	991	99 +	2	992	47024	48014
UN37359	Rsa1.0.01514.1	796	44222	5.00E-92	271	300	90 +	279	571	4353	4651
UN37360	Rsa1.0.12301.1	998	5261	0	691	712	97 +	287	998	1	712

UN37361	Rsa1.0.01312.1	995	48401	0	646	688	93 +	307	994	45223	45893
UN37362	Rsa1.0.28982.1	909	797	0	762	797	95 +	94	889	1	797
UN37363	Rsa1.0.01493.1	835	44670	1.00E-160	377	400	94 -	315	708	21960	22356
UN37364	Rsa1.0.14996.1	942	2904	0	849	894	94 -	52	940	2023	2904
UN37365	Rsa1.0.00940.1	763	179946	0	669	719	93 +	52	762	10505	11220
UN37366	Rsa1.0.16755.1	831	2045	0	769	812	94 +	1	810	433	1243
UN37367	Rsa1.0.00189.1	1055	111830	1.00E-124	236	239	98 -	1	239	78943	79181
UN37368	Rsa1.0.00016.1	440	831256	1.00E-120	243	251	96 +	44	294	647365	647615
UN37369	Rsa1.0.29977.1	1175	766	0	581	600	96 -	583	1175	168	766
UN37370	Rsa1.0.00736.1	862	66455	1.00E-115	383	437	87 +	9	440	7219	7650
UN37371	Rsa1.0.01059.1	1027	55410	0	347	355	97 -	3	357	14840	15194
UN37372	Rsa1.0.02142.1	590	34633	0	587	596	98 +	2	590	12206	12801
UN37373	Rsa1.0.00570.1	827	75002	0	554	607	91 +	41	633	34601	35189
UN37374	Rsa1.0.01023.1	957	56571	0	361	362	99 +	595	956	11208	11569
UN37375	Rsa1.0.10601.1	840	5789	0	405	425	95 -	1	420	4886	5308
UN37376	Rsa1.0.02911.1	474	142461	1.00E-174	411	445	92 +	8	452	9283	9712
UN37377	Rsa1.0.00111.1	754	390088	0	547	569	96 -	2	563	260659	261227
UN37378	Rsa1.0.00983.1	481	57586	1.00E-103	289	321	90 +	26	344	53275	53589
UN37379	Rsa1.0.00630.1	515	71281	0	478	514	92 -	6	515	67837	68350
UN37380	Rsa1.0.00019.1	943	301669	1.00E-86	206	221	93 -	259	479	111255	111463
UN37381	Rsa1.0.01303.1	501	48853	0	493	495	99 +	1	495	48196	48690
UN37382	Rsa1.0.01422.1	753	46172	1.00E-129	247	251	98 +	501	751	13	263
UN37383	Rsa1.0.46461.1	962	486	0	467	489	95 -	406	891	1	486
UN37384	Rsa1.0.02578.1	531	29934	0	478	482	99 +	2	483	25705	26186
UN37385	Rsa1.0.02179.1	389	34188	5.00E-47	99	100	99 +	39	138	22942	23041
UN37386	Rsa1.0.28906.1	1415	799	0	776	799	97 +	121	919	1	799
UN37387	Rsa1.0.00161.1	407	116891	1.00E-131	250	253	98 +	104	355	56777	57029
UN37388	Rsa1.0.01008.1	754	56924	0	665	686	96 +	2	685	29630	30315
UN37389	Rsa1.0.02178.1	759	156197	0	393	395	99 -	365	759	153911	154305
UN37390	Rsa1.0.00030.1	873	250988	0	838	884	94 +	2	873	180759	181628
UN37391	Rsa1.0.02428.1	1231	31542	1.00E-147	311	327	95 -	908	1231	18892	19209
UN37392	Rsa1.0.05282.1	449	14270	5.00E-26	88	97	90 +	17	113	10764	10860
UN37393	Rsa1.0.02379.1	578	150705	1.00E-158	339	356	95 -	231	578	130304	130658
UN37394	Rsa1.0.00205.1	340	193401	1.00E-69	143	146	97 -	137	282	44024	44169
UN37395	Rsa1.0.05889.1	970	12319	0	722	751	96 -	1	750	7024	7772
UN37396	Rsa1.0.00476.1	359	280966	1.00E-135	335	360	93 +	3	358	31260	31614
UN37397	Rsa1.0.00796.1	834	63997	1.00E-137	250	251	99 -	3	253	50890	51140
UN37398	Rsa1.0.01541.1	792	43682	0	395	409	96 +	345	752	42206	42609
UN37399	Rsa1.0.01327.1	760	48033	0	480	495	96 +	3	489	4631	5125

UN37400	Rsa1.0.00660.1	790	69688	0	759	809	93 +	2	788	14833	15641
UN37401	Rsa1.0.00172.1	781	115476	0	746	783	95 +	3	781	7808	8588
UN37402	Rsa1.0.00058.1	802	159921	0	532	562	94 -	3	557	53312	53868
UN37403	Rsa1.0.00770.1	579	64900	0	549	587	93 -	2	579	32376	32947
UN37404	Rsa1.0.00094.1	623	139042	0	402	420	95 -	2	421	84710	85129
UN37405	Rsa1.0.06185.1	593	11540	0	383	387	98 -	207	593	5461	5847
UN37406	Rsa1.0.01646.1	888	41735	1.00E-46	303	368	82 +	362	726	12322	12689
UN37407	Rsa1.0.00262.1	507	101906	3.00E-80	207	225	92 +	294	507	46229	46450
UN37408	Rsa1.0.00507.1	733	79074	0	700	735	95 +	2	733	5597	6327
UN37409	Rsa1.0.00881.1	966	61260	0	960	964	99 +	3	966	46899	47862
UN37410	Rsa1.0.05081.1	959	136103	0	937	945	99 -	2	946	134114	135058
UN37411	Rsa1.0.00284.1	758	323267	0	727	750	96 +	12	758	261580	262329
UN37412	Rsa1.0.01238.1	1458	50120	0	1067	1069	99 +	1	1069	22140	23207
UN37413	Rsa1.0.01181.1	679	51496	1.00E-110	258	275	93 +	405	679	32779	33052
UN37414	Rsa1.0.00005.1	814	353093	1.00E-165	324	334	97 -	113	446	118786	119119
UN37415	Rsa1.0.65394.1	372	351	1.00E-162	289	289	100 +	2	290	63	351
UN37416	Rsa1.0.04065.1	969	19275	0	378	386	97 +	583	968	18356	18740
UN37417	Rsa1.0.02352.1	941	32301	0	445	453	98 +	489	941	30582	31031
UN37418	Rsa1.0.10640.1	766	5772	0	359	370	97 -	402	764	1946	2314
UN37419	Rsa1.0.06330.1	663	11222	0	647	661	97 -	3	663	2290	2948
UN37420	Rsa1.0.00193.1	1238	194198	0	560	602	93 -	272	870	130080	130663
UN37421	Rsa1.0.03195.1	600	24673	1.00E-173	317	320	99 -	5	324	11638	11957
UN37422	Rsa1.0.00208.1	716	108565	0	702	715	98 -	2	716	53136	53850
UN37423	Rsa1.0.01017.1	1073	56714	0	1041	1066	97 +	2	1065	16477	17537
UN37424	Rsa1.0.00006.1	502	396176	0	492	501	98 +	2	502	198736	199236
UN37425	Rsa1.0.00366.1	599	90880	0	595	598	99 -	2	599	88011	88608
UN37426	Rsa1.0.00195.1	778	251884	1.00E-126	233	234	99 +	141	374	44267	44500
UN37427	Rsa1.0.01924.1	850	37226	1.00E-160	300	303	99 +	549	850	22415	22717
UN37428	Rsa1.0.05599.1	872	143653	0	360	363	99 +	2	364	141205	141567
UN37429	Rsa1.0.01264.1	847	49697	0	496	509	97 -	2	510	26693	27198
UN37430	Rsa1.0.10295.1	1056	5901	1.00E-151	331	347	95 +	1	341	226	570
UN37431	Rsa1.0.00658.1	741	69740	1.00E-153	318	329	96 +	1	329	15710	16029
UN37432	Rsa1.0.00065.1	764	454616	2.00E-76	217	237	91 -	1	229	162365	162600
UN37433	Rsa1.0.00082.1	587	237584	0	565	586	96 -	2	587	120548	121133
UN37434	Rsa1.0.01315.1	819	48361	0	620	647	95 +	1	643	45697	46341
UN37435	#	#	#	#	#	#	#	#	#	#	#
UN37436	Rsa1.0.00362.1	248	299497	1.00E-125	226	226	100 +	21	246	16040	16265
UN37437	Rsa1.0.02195.1	995	34024	1.00E-101	313	355	88 +	273	627	26221	26575
UN37438	Rsa1.0.00101.1	762	267193	0	636	711	89 -	5	713	177259	177966

UN37439	Rsa1.0_00283.1	703	183797	8.00E-26	61	61	100 +	643	703	52537	52597
UN37440	Rsa1.0_02630.1	903	29349	0	589	630	93 +	2	626	22593	23215
UN37441	Rsa1.0_00119.1	707	467509	0	401	418	95 -	290	707	224551	224959
UN37442	Rsa1.0_03399.1	596	23204	0	582	595	97 -	2	596	4609	5202
UN37443	Rsa1.0_02038.1	749	35715	0	600	622	96 +	131	745	7868	8489
UN37444	Rsa1.0_00856.1	806	62037	0	491	497	98 +	1	494	6394	6889
UN37445	Rsa1.0_00399.1	872	242951	0	417	435	95 +	104	538	73197	73631
UN37446	Rsa1.0_52120.1	670	436	1.00E-130	242	244	99 -	427	670	93	336
UN37447	Rsa1.0_00509.1	809	78829	0	444	458	96 +	353	808	55583	56037
UN37448	Rsa1.0_00273.1	857	326186	0	635	650	97 -	208	857	267517	268166
UN37449	Rsa1.0_03341.1	642	23604	0	496	503	98 -	2	501	4894	5396
UN37450	Rsa1.0_17744.1	586	1752	0	554	583	95 +	4	586	627	1209
UN37451	Rsa1.0_76156.1	1201	301	1.00E-100	186	186	100 -	379	564	116	301
UN37452	Rsa1.0_01587.1	490	42789	0	484	491	98 +	3	490	14816	15306
UN37453	Rsa1.0_15164.1	636	2786	6.00E-82	207	223	92 -	414	634	2017	2230
UN37454	Rsa1.0_00007.1	690	239325	0	491	517	94 +	175	690	62827	63328
UN37455	Rsa1.0_01475.1	768	45044	0	396	410	96 -	358	767	25130	25538
UN37456	Rsa1.0_00041.1	282	186197	4.00E-47	141	151	93 -	32	179	174533	174681
UN37457	Rsa1.0_03843.1	865	20496	2.00E-36	155	178	87 +	505	680	6367	6543
UN37458	Rsa1.0_00460.1	886	206387	0	522	574	90 -	327	886	65133	65692
UN37459	#	#	#	#	#	#	#	#	#	#	#
UN37460	Rsa1.0_00336.1	746	445051	2.00E-11	82	97	84 -	357	453	170950	171046
UN37461	Rsa1.0_01016.1	1182	181422	1.00E-155	358	386	92 +	116	492	162631	163016
UN37462	Rsa1.0_00718.1	334	279335	1.00E-116	314	350	89 -	1	334	276524	276873
UN37463	Rsa1.0_00327.1	1052	94892	1.00E-108	284	305	93 +	762	1052	18711	19011
UN37464	Rsa1.0_00407.1	1057	191544	0	458	473	96 -	2	474	63665	64135
UN37465	Rsa1.0_03541.1	1041	22194	0	1021	1044	97 -	1	1041	1833	2876
UN37466	Rsa1.0_00036.1	901	176186	0	872	888	98 -	16	901	81012	81897
UN37467	Rsa1.0_00138.1	699	247040	0	679	691	98 +	3	693	45965	46655
UN37468	Rsa1.0_06349.1	614	11199	1.00E-169	350	365	95 +	251	614	10478	10837
UN37469	Rsa1.0_00111.1	901	390088	0	342	345	99 -	556	900	23762	24105
UN37470	Rsa1.0_01939.1	1177	37124	0	1098	1155	95 +	10	1162	840	1993
UN37471	Rsa1.0_00131.1	658	432233	9.00E-84	158	158	100 +	11	168	119025	119182
UN37472	Rsa1.0_02173.1	1079	34318	0	637	664	95 +	415	1077	20994	21656
UN37473	Rsa1.0_00602.1	726	73302	0	412	427	96 -	287	712	1434	1855
UN37474	Rsa1.0_02662.1	920	28956	0	474	484	97 -	439	920	307	790
UN37475	Rsa1.0_08334.1	1263	7525	0	709	714	99 +	271	984	6803	7516
UN37476	Rsa1.0_01983.1	721	36509	0	435	449	96 -	2	448	8189	8637
UN37477	Rsa1.0_01629.1	852	41917	1.00E-168	299	299	100 -	3	301	16329	16627

UN37478	Rsa1.0.00429.1	849	85559	1.00E-95	213	223	95 -	623	843	45859	46078
UN37479	Rsa1.0.01053.1	631	55483	1.00E-157	284	285	99 -	346	630	54108	54392
UN37480	Rsa1.0.00228.1	836	105511	0	483	500	96 +	336	835	56954	57445
UN37481	Rsa1.0.00144.1	825	120708	0	666	707	94 -	142	825	25748	26451
UN37482	Rsa1.0.01266.1	781	49680	1.00E-169	344	358	96 -	197	554	25726	26083
UN37483	Rsa1.0.08560.1	493	7195	1.00E-88	178	182	97 +	12	193	5768	5949
UN37484	Rsa1.0.02353.1	364	32300	1.00E-162	313	321	97 -	1	321	30151	30466
UN37485	Rsa1.0.04022.1	801	19534	1.00E-168	333	344	96 -	91	434	9521	9864
UN37486	Rsa1.0.01397.1	822	183276	1.00E-155	299	306	97 -	2	307	18781	19086
UN37487	Rsa1.0.00713.1	1002	158017	0	956	992	96 -	9	1000	44759	45734
UN37488	Rsa1.0.00199.1	586	249604	1.00E-168	412	448	91 -	138	584	27248	27690
UN37489	Rsa1.0.09063.1	1012	6675	0	574	595	96 +	421	1012	442	1032
UN37490	Rsa1.0.12767.1	1448	5133	1.00E-179	346	355	97 -	199	553	1	355
UN37491	Rsa1.0.00096.1	1043	198773	0	323	323	100 -	720	1042	32943	33265
UN37492	Rsa1.0.00402.1	635	385315	0	324	324	100 +	3	326	218542	218865
UN37493	Rsa1.0.01673.1	1080	41197	0	694	730	95 +	353	1080	15223	15949
UN37494	Rsa1.0.01170.1	566	161131	4.00E-95	203	211	96 -	356	566	114578	114785
UN37495	Rsa1.0.01969.1	465	153351	1.00E-124	255	265	96 +	189	453	130	394
UN37496	Rsa1.0.04658.1	1021	16487	0	883	894	98 +	133	1021	15554	16446
UN37497	Rsa1.0.01147.1	738	52391	0	708	743	95 -	1	738	41462	42199
UN37498	Rsa1.0.00171.1	558	115622	1.00E-125	267	277	96 -	235	508	94951	95225
UN37499	Rsa1.0.00327.1	730	94892	0	462	469	98 -	261	728	76673	77141
UN37500	Rsa1.0.04007.1	784	19585	2.00E-35	90	93	96 +	691	782	5570	5662
UN37501	Rsa1.0.01814.1	799	38917	1.00E-126	247	253	97 -	3	255	20940	21192
UN37502	Rsa1.0.01751.1	792	39806	1.00E-150	278	281	98 +	13	293	29061	29341
UN37503	Rsa1.0.07437.1	361	9394	1.00E-173	340	351	96 +	3	353	4835	5185
UN37504	Rsa1.0.00816.1	772	403350	1.00E-77	199	208	95 -	571	772	115334	115541
UN37505	Rsa1.0.00383.1	602	398431	0	588	604	97 -	2	601	176059	176662
UN37506	Rsa1.0.00285.1	1068	149638	1.00E-136	506	594	85 +	165	740	131502	132088
UN37507	#	#	#	#	#	#	#	#	#	#	#
UN37508	Rsa1.0.01813.1	800	38924	1.00E-178	343	350	98 +	3	348	30064	30413
UN37509	Rsa1.0.21963.1	923	1160	0	799	838	95 -	69	894	334	1160
UN37510	Rsa1.0.06254.1	835	11384	0	807	834	96 +	2	835	10403	11229
UN37511	Rsa1.0.04134.1	1043	149811	0	597	608	98 -	435	1042	9247	9854
UN37512	Rsa1.0.01443.1	957	45705	1.00E-176	557	627	88 +	2	621	30347	30969
UN37513	Rsa1.0.01239.1	740	50107	0	482	486	99 +	1	486	2810	3295
UN37514	Rsa1.0.08668.1	849	7059	0	558	567	98 -	11	577	1	566
UN37515	Rsa1.0.00333.1	642	94500	0	520	552	94 -	1	549	76672	77218
UN37516	Rsa1.0.00294.1	998	144860	0	950	997	95 +	7	998	81440	82431

UN37517	Rsa1.0_00915.1	1034	194446	7.00E-18	87	100	87 +	517	616	173425	173524
UN37518	Rsa1.0_00123.1	570	325650	0	331	333	99 +	1	333	197772	198103
UN37519	#	#	#	#	#	#	#	#	#	#	#
UN37520	Rsa1.0_01865.1	1098	37992	1.00E-133	259	265	97 +	494	758	27970	28234
UN37521	Rsa1.0_00324.1	883	218805	0	856	883	96 +	1	882	864	1738
UN37522	Rsa1.0_01008.1	587	56924	0	586	586	100 +	2	587	791	1376
UN37523	Rsa1.0_00352.1	1176	92266	0	1065	1088	97 -	89	1176	33930	35011
UN37524	Rsa1.0_00060.1	756	502678	1.00E-114	290	320	90 -	353	672	253618	253922
UN37525	#	#	#	#	#	#	#	#	#	#	#
UN37526	Rsa1.0_01310.1	647	164719	1.00E-106	204	207	98 +	437	643	141272	141478
UN37527	Rsa1.0_00085.1	914	142226	1.00E-171	350	364	96 -	259	620	50813	51176
UN37528	Rsa1.0_31717.1	847	720	6.00E-67	136	138	98 -	710	847	492	629
UN37529	Rsa1.0_00001.1	909	363028	0	491	509	96 +	398	904	333079	333584
UN37530	Rsa1.0_01514.1	832	44222	0	378	379	99 +	451	828	40737	41115
UN37531	Rsa1.0_18046.1	849	1682	1.00E-110	255	272	93 -	1	269	1135	1406
UN37532	Rsa1.0_00879.1	977	61297	2.00E-24	89	99	89 -	466	564	34636	34734
UN37533	Rsa1.0_05073.1	653	14925	1.00E-105	236	250	94 +	351	600	5489	5738
UN37534	Rsa1.0_01434.1	1102	45951	0	484	524	92 -	71	577	10212	10730
UN37535	Rsa1.0_00556.1	1133	207212	0	1095	1133	96 -	2	1133	35672	36796
UN37536	Rsa1.0_20631.1	853	1286	3.00E-32	292	359	81 -	462	819	829	1172
UN37537	Rsa1.0_00168.1	475	115870	1.00E-164	345	360	95 -	115	473	90861	91213
UN37538	Rsa1.0_00020.1	437	283099	1.00E-88	220	232	94 +	208	437	59685	59911
UN37539	Rsa1.0_00053.1	915	263459	1.00E-128	262	272	96 +	239	510	63729	64000
UN37540	Rsa1.0_00087.1	710	761073	0	531	543	97 -	168	710	561195	561735
UN37541	Rsa1.0_00370.1	1125	90472	1.00E-144	289	299	96 -	670	968	55110	55408
UN37542	Rsa1.0_05247.1	721	14385	3.00E-87	185	192	96 -	5	196	10636	10827
UN37543	Rsa1.0_00044.1	714	271658	0	466	471	98 +	245	714	123738	124208
UN37544	Rsa1.0_02666.1	1111	28915	0	637	643	99 +	44	686	5834	6476
UN37545	Rsa1.0_00253.1	832	231292	0	793	816	97 +	2	815	109501	110316
UN37546	Rsa1.0_00411.1	1037	86944	1.00E-118	258	272	94 -	2	273	66940	67211
UN37547	Rsa1.0_00387.1	759	495407	0	436	448	97 -	3	450	402479	402926
UN37548	Rsa1.0_52967.1	698	430	0	413	430	96 +	153	582	1	430
UN37549	Rsa1.0_02296.1	551	32920	0	515	552	93 +	3	551	13332	13866
UN37550	Rsa1.0_00011.1	868	225044	1.00E-175	327	332	98 -	8	339	183543	183874
UN37551	Rsa1.0_00570.1	815	75002	0	492	502	98 +	3	502	52822	53323
UN37552	Rsa1.0_00002.1	530	601661	1.00E-115	253	266	95 -	189	454	380947	381211
UN37553	Rsa1.0_01043.1	707	55893	0	405	423	95 +	290	706	48633	49047
UN37554	Rsa1.0_03460.1	749	22747	0	550	586	93 +	167	749	5521	6083
UN37555	Rsa1.0_00033.1	631	515811	0	598	638	93 -	2	631	391940	392576

UN37556	Rsa1.0.01477.1	1141	45008	0	575	587	97 -	218	804	39084	39670
UN37557	Rsa1.0.00038.1	797	314568	0	568	594	95 +	210	797	307386	307968
UN37558	Rsa1.0.01256.1	756	49770	1.00E-109	203	204	99 -	171	374	9043	9246
UN37559	Rsa1.0.00512.1	631	200277	0	449	471	95 +	163	631	76351	76821
UN37560	Rsa1.0.00146.1	755	149343	7.00E-14	81	93	87 -	507	593	119960	120052
UN37561	Rsa1.0.18022.1	529	1687	1.00E-126	232	233	99 -	297	529	456	688
UN37562	Rsa1.0.04589.1	1094	16739	0	1059	1094	96 -	1	1094	11888	12981
UN37563	Rsa1.0.00001.1	794	363028	0	793	795	99 -	1	794	252326	253120
UN37564	Rsa1.0.00399.1	1034	242951	0	619	657	94 +	375	1030	189886	190530
UN37565	Rsa1.0.23300.1	720	1058	0	655	686	95 -	2	674	1	686
UN37566	Rsa1.0.00081.1	690	143261	0	676	680	99 +	3	681	100505	101184
UN37567	Rsa1.0.02991.1	668	26178	0	646	692	93 +	1	666	8895	9586
UN37568	Rsa1.0.00749.1	1261	65933	0	780	792	98 -	236	1027	35985	36773
UN37569	Rsa1.0.00107.1	717	431659	1.00E-180	399	428	93 +	301	717	81609	82024
UN37570	Rsa1.0.00311.1	596	96847	0	581	596	97 -	1	596	20067	20661
UN37571	Rsa1.0.00084.1	667	142338	0	446	452	98 -	215	666	135369	135820
UN37572	Rsa1.0.00301.1	898	365315	0	840	897	93 +	2	898	334254	335150
UN37573	Rsa1.0.00481.1	887	81316	3.00E-75	150	152	98 -	3	154	24855	25006
UN37574	Rsa1.0.00293.1	782	339294	0	465	467	99 +	2	468	227141	227607
UN37575	Rsa1.0.02307.1	733	32775	0	724	732	98 +	2	733	11085	11816
UN37576	Rsa1.0.06243.1	753	11401	0	593	599	98 -	3	600	737	1334
UN37577	Rsa1.0.03502.1	1108	22446	0	624	625	99 +	483	1107	13365	13989
UN37578	Rsa1.0.02783.1	846	27927	0	828	849	97 -	1	844	610	1458
UN37579	Rsa1.0.04602.1	824	16684	0	429	443	96 +	1	442	3185	3627
UN37580	Rsa1.0.13458.1	1281	4814	0	904	941	96 +	349	1279	1	935
UN37581	Rsa1.0.00931.1	735	59210	0	730	734	99 +	2	735	36576	37309
UN37582	Rsa1.0.00593.1	1088	143463	0	403	417	96 -	673	1088	135751	136167
UN37583	Rsa1.0.00069.1	812	403561	0	638	641	99 +	126	766	46995	47635
UN37584	Rsa1.0.02161.1	685	34459	0	571	579	98 +	100	677	1529	2106
UN37585	Rsa1.0.01043.1	676	55893	1.00E-168	332	343	96 -	3	345	49809	50151
UN37586	Rsa1.0.01264.1	799	49697	0	360	371	97 +	288	658	25052	25422
UN37587	Rsa1.0.00204.1	996	109056	1.00E-145	291	299	97 -	436	733	20436	20731
UN37588	Rsa1.0.01430.1	1198	46034	0	1191	1195	99 +	3	1197	17867	19061
UN37589	Rsa1.0.51424.1	770	442	1.00E-132	251	255	98 -	253	507	10	264
UN37590	Rsa1.0.00199.1	466	249604	0	465	465	100 -	2	466	27487	27951
UN37591	Rsa1.0.00026.1	748	327835	0	521	540	96 +	212	748	106555	107093
UN37592	Rsa1.0.29724.1	681	774	0	373	377	98 +	196	572	312	688
UN37593	Rsa1.0.10589.1	578	5793	0	472	485	97 +	95	578	4693	5176
UN37594	Rsa1.0.13686.1	1375	4480	1.00E-170	317	321	98 +	1	321	2243	2560

UN37595	Rsa1.0.01869.1	731	37928	0	717	731	98 +	1	731	6694	7424
UN37596	Rsa1.0.08190.1	830	7764	1.00E-145	269	270	99 -	9	278	4646	4914
UN37597	Rsa1.0.35705.1	590	633	1.00E-135	248	249	99 +	40	288	1	249
UN37598	Rsa1.0.01352.1	520	47443	2.00E-69	137	138	99 -	312	449	13238	13375
UN37599	Rsa1.0.02777.1	1301	27986	0	543	566	95 -	1	564	15700	16257
UN37600	Rsa1.0.01060.1	745	55368	0	715	746	95 -	2	740	42891	43628
UN37601	Rsa1.0.00672.1	808	69358	0	623	686	90 +	9	673	38664	39339
UN37602	Rsa1.0.05995.1	676	11997	0	566	611	92 -	1	590	4575	5181
UN37603	Rsa1.0.01565.1	1118	155447	0	779	796	97 +	3	792	33765	34558
UN37604	Rsa1.0.00336.1	995	445051	1.00E-172	354	370	95 -	626	995	4163	4532
UN37605	Rsa1.0.03594.1	855	21868	0	597	623	95 -	2	624	17348	17967
UN37606	Rsa1.0.02174.1	781	34316	0	716	757	94 -	3	746	5478	6231
UN37607	Rsa1.0.00476.1	684	280966	0	481	486	98 -	1	486	148789	149273
UN37608	Rsa1.0.00010.1	699	294827	1.00E-175	345	356	96 -	269	624	129411	129766
UN37609	Rsa1.0.02444.1	641	31350	1.00E-138	284	294	96 +	352	640	18485	18777
UN37610	Rsa1.0.01451.1	731	45459	1.00E-168	307	308	99 +	425	731	14788	15095
UN37611	Rsa1.0.02871.1	550	27085	0	539	549	98 -	2	550	24865	25413
UN37612	Rsa1.0.12047.1	707	5331	1.00E-98	202	207	97 -	428	633	76	282
UN37613	Rsa1.0.00457.1	833	337301	1.00E-64	126	126	100 +	2	127	1134	1259
UN37614	Rsa1.0.01344.1	921	142535	0	754	763	98 -	1	763	138814	139576
UN37615	Rsa1.0.00282.1	825	177799	0	595	646	92 +	83	693	38607	39252
UN37616	Rsa1.0.15642.1	1052	2506	1.00E-121	257	268	95 +	765	1032	2008	2273
UN37617	#	#	#	#	#	#	#	#	#	#	#
UN37618	Rsa1.0.00544.1	1063	76787	0	1057	1063	99 -	1	1063	26374	27436
UN37619	Rsa1.0.04831.1	936	15799	0	781	796	98 -	141	936	9638	10430
UN37620	Rsa1.0.08359.1	907	7483	1.00E-140	253	253	100 +	410	662	3236	3488
UN37621	Rsa1.0.00509.1	1195	78829	0	630	657	95 -	540	1195	40225	40880
UN37622	Rsa1.0.00211.1	733	228189	0	712	731	97 +	3	733	188488	189218
UN37623	Rsa1.0.06682.1	835	10551	0	782	836	93 +	3	835	741	1559
UN37624	Rsa1.0.00467.1	543	156542	1.00E-140	482	559	86 +	15	536	86366	86920
UN37625	Rsa1.0.04514.1	476	17022	3.00E-27	140	168	83 +	203	358	2124	2291
UN37626	Rsa1.0.03912.1	645	135266	0	378	381	99 -	1	380	9970	10350
UN37627	Rsa1.0.25616.1	752	928	1.00E-150	279	282	98 +	1	282	132	413
UN37628	Rsa1.0.01360.1	843	47246	0	805	844	95 +	1	835	12033	12873
UN37629	Rsa1.0.00047.1	569	168582	1.00E-123	266	278	95 +	9	286	157699	157972
UN37630	Rsa1.0.03342.1	387	23600	0	386	386	100 -	1	386	17361	17746
UN37631	Rsa1.0.02174.1	660	34316	0	634	659	96 +	4	660	4383	5041
UN37632	Rsa1.0.03848.1	1219	20472	0	477	485	98 +	84	568	4563	5047
UN37633	Rsa1.0.03175.1	1170	24802	1.00E-164	451	511	88 +	2	491	21194	21683

UN37634	Rsa1.0.03614.1	948	21773	0	681	703	96 +	248	946	19788	20489
UN37635	Rsa1.0.01832.1	1336	38581	0	994	997	99 +	2	998	16699	17694
UN37636	Rsa1.0.00059.1	994	159650	0	650	726	89 -	72	789	134007	134687
UN37637	Rsa1.0.00169.1	685	274298	0	675	691	97 -	2	684	95904	96594
UN37638	Rsa1.0.00547.1	1393	76521	1.00E-117	215	215	100 +	1002	1216	21264	21478
UN37639	Rsa1.0.00949.1	788	58549	0	786	788	99 +	2	788	57364	58151
UN37640	Rsa1.0.05622.1	1104	13145	0	997	1067	93 +	39	1104	7469	8514
UN37641	Rsa1.0.01680.1	679	41122	0	406	406	100 +	273	678	19654	20059
UN37642	Rsa1.0.03670.1	1292	21461	0	932	938	99 -	2	938	1	938
UN37643	Rsa1.0.20619.1	990	1286	1.00E-156	291	294	98 -	700	990	433	726
UN37644	Rsa1.0.01707.1	667	40686	0	639	673	94 +	4	662	24675	25347
UN37645	Rsa1.0.30748.1	575	745	1.00E-168	305	307	99 -	269	575	3	309
UN37646	Rsa1.0.00372.1	1095	90418	1.00E-120	279	295	94 -	80	367	83939	84231
UN37647	Rsa1.0.00031.1	516	179862	1.00E-128	235	236	99 -	281	516	58813	59048
UN37648	Rsa1.0.00139.1	564	357786	1.00E-149	283	287	98 -	280	564	136994	137280
UN37649	Rsa1.0.00090.1	793	273859	1.00E-144	320	340	94 +	60	399	78983	79322
UN37650	Rsa1.0.04527.1	1024	16958	0	427	430	99 -	3	432	6527	6954
UN37651	Rsa1.0.00465.1	1108	82138	0	1086	1108	98 -	2	1108	1672	2775
UN37652	Rsa1.0.00092.1	1099	659932	0	571	649	87 -	2	650	447748	448396
UN37653	Rsa1.0.02477.1	714	31058	0	561	562	99 -	152	713	29799	30360
UN37654	Rsa1.0.00025.1	886	277312	0	881	884	99 +	3	886	28605	29488
UN37655	Rsa1.0.01988.1	939	36444	0	927	941	98 +	1	939	14083	15020
UN37656	Rsa1.0.00050.1	1202	237174	0	1199	1202	99 +	2	1202	209762	210963
UN37657	Rsa1.0.33526.1	865	676	0	675	676	99 +	161	836	1	676
UN37658	Rsa1.0.00201.1	709	232851	0	676	706	95 -	4	709	31737	32439
UN37659	Rsa1.0.07481.1	346	9280	1.00E-158	305	310	98 -	38	346	828	1136
UN37660	Rsa1.0.02748.1	838	28242	0	349	356	98 -	400	755	12855	13210
UN37661	Rsa1.0.00082.1	660	237584	1.00E-132	251	255	98 +	401	655	120016	120270
UN37662	Rsa1.0.02241.1	674	33520	1.00E-161	300	304	98 +	371	674	20022	20325
UN37663	Rsa1.0.27127.1	377	865	1.00E-47	177	203	87 -	126	315	661	863
UN37664	Rsa1.0.00002.1	667	601661	1.00E-103	215	223	96 -	102	324	118126	118348
UN37665	Rsa1.0.04233.1	1205	18379	0	1090	1152	94 -	6	1140	13121	14259
UN37666	Rsa1.0.01761.1	1051	39717	3.00E-35	158	185	85 -	759	943	1436	1620
UN37667	Rsa1.0.05606.1	553	13202	0	351	351	100 -	203	553	3034	3384
UN37668	Rsa1.0.01294.1	952	49090	0	498	499	99 +	403	901	15115	15613
UN37669	Rsa1.0.00044.1	541	271658	0	511	534	95 +	4	537	166008	166527
UN37670	Rsa1.0.22750.1	837	1098	1.00E-131	266	274	97 +	3	276	441	713
UN37671	Rsa1.0.00509.1	778	78829	1.00E-155	313	323	96 +	5	322	48909	49231
UN37672	Rsa1.0.00018.1	725	410899	1.00E-120	235	240	97 -	238	477	58607	58846

UN37673	Rsa1.0.02142.1	685	34633	0	591	593	99 -	3	595	13010	13602
UN37674	Rsa1.0.01637.1	1238	41862	0	547	572	95 -	381	943	1	572
UN37675	Rsa1.0.14978.1	1145	2918	0	1143	1144	99 -	2	1145	1496	2639
UN37676	Rsa1.0.07780.1	744	8589	0	500	501	99 -	244	744	5705	6205
UN37677	Rsa1.0.01808.1	1143	39007	0	985	988	99 -	1	988	14631	15617
UN37678	Rsa1.0.02377.1	1247	31994	1.00E-143	366	402	91 +	866	1247	18791	19186
UN37679	Rsa1.0.00123.1	855	325650	0	429	430	99 +	426	855	67672	68101
UN37680	Rsa1.0.00688.1	536	68396	1.00E-131	332	365	90 +	171	535	37797	38147
UN37681	Rsa1.0.00916.1	1207	59789	0	774	774	100 -	2	775	31531	32304
UN37682	Rsa1.0.00001.1	633	363028	0	417	421	99 +	215	633	139439	139859
UN37683	Rsa1.0.01234.1	960	50183	1.00E-154	283	285	99 +	501	785	37502	37786
UN37684	Rsa1.0.00926.1	878	195072	0	709	716	99 -	161	876	43596	44309
UN37685	Rsa1.0.10066.1	1327	6016	0	897	916	97 -	413	1327	1607	2521
UN37686	Rsa1.0.00006.1	1042	396176	0	1032	1037	99 -	4	1040	353624	354659
UN37687	Rsa1.0.00632.1	925	183777	0	470	474	99 +	417	890	172896	173369
UN37688	Rsa1.0.00058.1	634	159921	0	612	629	97 +	6	634	110006	110634
UN37689	Rsa1.0.13119.1	451	5003	0	449	449	100 +	3	451	2591	3039
UN37690	Rsa1.0.02322.1	602	32555	1.00E-128	238	240	99 +	363	602	26961	27200
UN37691	Rsa1.0.00325.1	312	95371	8.00E-92	234	249	93 -	65	310	37143	37387
UN37692	Rsa1.0.00029.1	1316	272992	1.00E-154	322	334	96 -	974	1303	175109	175440
UN37693	Rsa1.0.03257.1	558	24305	0	543	557	97 -	2	558	6493	7049
UN37694	Rsa1.0.01904.1	912	37450	1.00E-114	376	432	87 +	494	911	9148	9561
UN37695	Rsa1.0.03843.1	1056	20496	0	922	953	96 +	106	1056	18048	18995
UN37696	Rsa1.0.00016.1	1030	831256	0	1016	1029	98 +	3	1030	311537	312565
UN37697	Rsa1.0.03974.1	869	19770	1.00E-132	300	320	93 -	148	467	13052	13371
UN37698	Rsa1.0.02524.1	810	30496	2.00E-45	249	295	84 -	517	810	15647	15929
UN37699	Rsa1.0.01588.1	1197	42724	0	882	886	99 -	312	1197	34970	35855
UN37700	Rsa1.0.02943.1	1084	153598	0	494	513	96 -	456	968	136586	137097
UN37701	Rsa1.0.01565.1	1180	155447	0	1129	1179	95 -	2	1180	20360	21523
UN37702	Rsa1.0.00792.1	464	64163	1.00E-26	65	66	98 +	3	68	45848	45913
UN37703	Rsa1.0.01887.1	164	37564	8.00E-78	162	166	97 +	1	164	23504	23669
UN37704	Rsa1.0.00105.1	785	134138	0	436	438	99 +	346	783	97288	97725
UN37705	Rsa1.0.00247.1	675	103408	0	630	661	95 -	2	653	15364	16020
UN37706	Rsa1.0.00632.1	756	183777	0	755	756	99 +	1	756	56668	57423
UN37707	Rsa1.0.00001.1	756	363028	0	753	755	99 +	2	756	235563	236317
UN37708	Rsa1.0.66891.1	555	343	1.00E-98	215	223	96 +	147	368	1	222
UN37709	Rsa1.0.00128.1	918	228675	1.00E-117	217	218	99 -	442	659	118115	118332
UN37710	Rsa1.0.00251.1	596	303968	0	518	537	96 -	6	538	139714	140250
UN37711	Rsa1.0.00081.1	635	143261	0	537	560	95 +	86	633	136889	137448

UN37712	Rsa1.0.00767.1	817	64980	1.00E-162	310	315	98 -	3	312	2364	2678
UN37713	Rsa1.0.00389.1	932	88795	0	868	901	96 +	1	897	16737	17636
UN37714	Rsa1.0.00222.1	399	172263	1.00E-75	233	258	90 -	139	396	41907	42153
UN37715	Rsa1.0.00004.1	781	253996	4.00E-34	111	123	90 -	470	592	209494	209616
UN37716	Rsa1.0.13471.1	564	4802	0	544	575	94 +	3	564	1018	1581
UN37717	Rsa1.0.06868.1	644	10234	1.00E-157	349	368	94 -	2	355	8369	8736
UN37718	Rsa1.0.00413.1	728	86921	1.00E-138	300	313	95 -	418	728	37477	37782
UN37719	Rsa1.0.00349.1	714	92621	0	499	499	100 -	216	714	7669	8167
UN37720	Rsa1.0.06019.1	841	11916	1.00E-130	297	319	93 +	3	312	11038	11350
UN37721	Rsa1.0.00089.1	1053	406142	0	429	433	99 +	620	1052	132536	132968
UN37722	Rsa1.0.01160.1	768	52068	0	767	767	100 +	2	768	7412	8178
UN37723	Rsa1.0.00253.1	829	231292	0	527	536	98 +	298	829	145110	145645
UN37724	Rsa1.0.00930.1	543	59224	9.00E-93	225	237	94 +	309	543	51680	51914
UN37725	Rsa1.0.14421.1	1092	3413	0	380	391	97 +	702	1092	1	391
UN37726	#	#	#	#	#	#	#	#	#	#	#
UN37727	Rsa1.0.00043.1	1344	264937	0	878	915	95 -	441	1342	254392	255306
UN37728	Rsa1.0.00556.1	662	207212	1.00E-153	303	311	97 +	353	662	150913	151223
UN37729	Rsa1.0.02595.1	800	29715	1.00E-171	332	340	97 +	463	800	939	1278
UN37730	Rsa1.0.00673.1	787	69325	0	774	779	99 -	2	780	9649	10427
UN37731	Rsa1.0.04591.1	944	16717	0	412	412	100 -	2	413	9932	10343
UN37732	Rsa1.0.02412.1	930	31643	6.00E-24	88	98	89 +	784	881	2260	2357
UN37733	Rsa1.0.00493.1	607	80007	1.00E-178	371	386	96 +	219	600	12009	12392
UN37734	Rsa1.0.00029.1	1255	272992	2.00E-55	163	177	92 +	955	1127	228818	228993
UN37735	Rsa1.0.01979.1	677	36545	0	406	410	99 +	268	677	36007	36416
UN37736	Rsa1.0.00486.1	979	80875	0	552	556	99 +	3	556	26235	26789
UN37737	Rsa1.0.15356.1	1130	2661	0	806	877	91 +	250	1117	1807	2661
UN37738	Rsa1.0.02251.1	655	33404	0	552	553	99 -	2	554	19894	20446
UN37739	Rsa1.0.01724.1	793	40292	0	766	795	96 -	1	792	25299	26092
UN37740	Rsa1.0.07335.1	978	9545	0	969	978	99 -	1	978	8254	9227
UN37741	Rsa1.0.10802.1	454	5716	0	452	454	99 -	1	454	33	486
UN37742	Rsa1.0.01175.1	772	51674	1.00E-145	275	278	98 +	495	772	27729	28005
UN37743	Rsa1.0.00541.1	840	76863	0	441	466	94 +	379	836	39056	39517
UN37744	Rsa1.0.00912.1	1341	59923	0	761	805	94 -	1	803	47347	48142
UN37745	Rsa1.0.14764.1	1283	3084	0	668	697	95 -	591	1281	188	882
UN37746	Rsa1.0.00806.1	935	63674	0	931	939	99 +	3	935	42057	42995
UN37747	Rsa1.0.00457.1	1430	337301	0	1417	1423	99 +	8	1429	191250	192672
UN37748	Rsa1.0.00445.1	674	84317	0	666	668	99 +	5	672	55460	56127
UN37749	Rsa1.0.02402.1	811	31710	0	738	758	97 -	55	811	23950	24706
UN37750	Rsa1.0.00516.1	1019	78417	1.00E-114	244	255	95 -	2	253	7335	7589

UN37751	Rsa1.0.04519.1	1023	17004	0	743	758	98 +	3	759	4259	5016
UN37752	Rsa1.0.04112.1	1424	18989	1.00E-163	353	370	95 +	2	362	4032	4400
UN37753	Rsa1.0.00421.1	1035	86365	1.00E-122	223	223	100 +	1	223	55670	55892
UN37754	Rsa1.0.02121.1	1847	34813	0	412	416	99 +	694	1109	14172	14587
UN37755	Rsa1.0.00975.1	1057	57865	0	504	512	98 +	546	1057	6741	7249
UN37756	Rsa1.0.06323.1	1389	11236	0	645	668	96 -	727	1389	7472	8138
UN37757	Rsa1.0.00080.1	845	190437	1.00E-153	275	275	100 +	1	275	35366	35640
UN37758	Rsa1.0.00078.1	1289	175053	0	374	389	96 +	907	1289	56039	56427
UN37759	Rsa1.0.00162.1	1247	239935	0	695	741	93 -	525	1247	38547	39286
UN37760	Rsa1.0.02428.1	837	31542	0	539	556	96 -	2	557	12309	12864
UN37761	Rsa1.0.00211.1	1149	228189	0	410	416	98 -	738	1149	146419	146834
UN37762	Rsa1.0.01717.1	996	143162	0	958	996	96 +	2	996	127961	128951
UN37763	Rsa1.0.07823.1	1001	8468	0	839	843	99 +	161	1001	4771	5613
UN37764	Rsa1.0.00560.1	983	75685	1.00E-147	304	313	97 -	4	314	44093	44404
UN37765	Rsa1.0.00720.1	949	66931	1.00E-132	251	254	98 +	695	948	37937	38188
UN37766	Rsa1.0.00218.1	990	201480	0	504	546	92 -	2	544	111393	111916
UN37767	Rsa1.0.00441.1	826	84607	0	538	569	94 +	258	826	29577	30145
UN37768	Rsa1.0.03513.1	930	22349	1.00E-138	376	418	89 -	511	928	12707	13124
UN37769	Rsa1.0.00003.1	815	340054	0	393	413	95 +	403	815	87090	87486
UN37770	Rsa1.0.01773.1	1084	39546	0	1018	1083	93 -	1	1083	17706	18763
UN37771	Rsa1.0.00050.1	889	237174	0	419	421	99 +	468	888	33432	33852
UN37772	Rsa1.0.00442.1	1155	84596	1.00E-105	225	235	95 -	1	235	62079	62308
UN37773	Rsa1.0.05192.1	1356	136195	0	486	498	97 -	1	498	124985	125482
UN37774	Rsa1.0.17558.1	1275	1798	0	658	727	90 -	552	1275	1071	1797
UN37775	Rsa1.0.00630.1	1157	71281	0	939	952	98 +	209	1157	23790	24739
UN37776	Rsa1.0.04156.1	1288	18799	1.00E-117	232	238	97 +	17	254	15261	15498
UN37777	Rsa1.0.03826.1	1103	20614	0	668	689	96 +	415	1103	16092	16780
UN37778	Rsa1.0.02026.1	1199	35896	0	595	641	92 +	567	1199	22658	23288
UN37779	Rsa1.0.00243.1	768	103651	0	724	761	95 +	8	763	87347	88105
UN37780	Rsa1.0.00015.1	933	561803	0	799	827	96 +	113	933	282849	283673
UN37781	Rsa1.0.00387.1	1286	495407	1.00E-96	189	192	98 +	1	192	159264	159455
UN37782	Rsa1.0.00110.1	1122	132719	0	373	373	100 -	748	1120	93140	93512
UN37783	Rsa1.0.00108.1	1040	478491	3.00E-97	208	217	95 -	822	1038	418791	419007
UN37784	Rsa1.0.00131.1	1052	432233	1.00E-145	319	337	94 +	1	336	151927	152252
UN37785	Rsa1.0.00829.1	1195	158305	0	1142	1194	95 +	16	1180	146351	147544
UN37786	Rsa1.0.01855.1	1083	38204	0	904	947	95 +	141	1083	6485	7426
UN37787	Rsa1.0.16203.1	990	2246	0	924	945	97 -	40	984	995	1939
UN37788	Rsa1.0.04340.1	990	17831	1.00E-149	313	326	96 -	540	861	12935	13260
UN37789	Rsa1.0.00127.1	1023	127446	1.00E-151	301	310	97 +	2	309	79218	79527

UN37790	Rsa1.0.00678.1	1131	193163	0	1099	1125	97 +	5	1129	155011	156130
UN37791	Rsa1.0.01081.1	794	499226	2.00E-94	176	176	100 +	3	178	321156	321331
UN37792	Rsa1.0.00825.1	987	62855	0	382	398	95 +	68	465	49249	49643
UN37793	Rsa1.0.01601.1	781	42519	0	427	441	96 -	342	781	11148	11588
UN37794	Rsa1.0.00019.1	1618	301669	0	1560	1618	96 +	1	1618	229417	231007
UN37795	Rsa1.0.06127.1	605	11675	0	369	370	99 -	3	372	3128	3497
UN37796	Rsa1.0.00552.1	1171	206757	3.00E-94	204	212	96 +	763	973	187055	187266
UN37797	Rsa1.0.04249.1	859	18269	1.00E-178	369	385	95 +	1	382	4445	4827
UN37798	Rsa1.0.00562.1	1252	75565	0	708	735	96 -	2	736	8259	8992
UN37799	Rsa1.0.02212.1	1288	33840	1.00E-109	223	230	96 -	694	923	18942	19171
UN37800	Rsa1.0.02365.1	754	32118	0	529	593	89 +	18	582	29274	29863
UN37801	Rsa1.0.01217.1	831	50554	0	358	367	97 +	1	367	21092	21458
UN37802	Rsa1.0.00197.1	873	109714	0	456	458	99 -	414	871	66072	66529
UN37803	Rsa1.0.00305.1	1032	97308	0	955	1017	93 -	19	1022	37454	38443
UN37804	Rsa1.0.15644.1	1254	2505	0	617	646	95 +	607	1252	577	1213
UN37805	Rsa1.0.03997.1	1075	19652	1.00E-136	282	294	95 +	22	315	2575	2868
UN37806	Rsa1.0.07157.1	842	9805	1.00E-157	305	313	97 -	117	429	4990	5302
UN37807	Rsa1.0.08223.1	1457	7700	6.00E-90	181	185	97 +	557	741	3991	4175
UN37808	Rsa1.0.00805.1	1208	63724	1.00E-170	303	303	100 -	906	1208	43808	44110
UN37809	Rsa1.0.02015.1	1039	36008	1.00E-127	238	240	99 -	536	775	2837	3076
UN37810	Rsa1.0.00028.1	1079	293984	0	624	645	96 -	435	1079	282595	283237
UN37811	Rsa1.0.00021.1	1165	263655	0	538	562	95 +	105	654	186306	186867
UN37812	Rsa1.0.14201.1	905	3670	0	483	484	99 -	422	905	594	1077
UN37813	Rsa1.0.00028.1	1066	293984	4.00E-81	163	166	98 +	255	420	43878	44043
UN37814	Rsa1.0.02859.1	1324	162118	0	531	547	97 +	3	544	24303	24844
UN37815	Rsa1.0.03072.1	1347	25577	0	780	780	100 -	366	1145	19503	20282
UN37816	Rsa1.0.00778.1	675	196751	1.00E-145	308	325	94 +	351	675	165400	165715
UN37817	Rsa1.0.00457.1	927	337301	1.00E-114	222	226	98 +	590	815	2588	2813
UN37818	Rsa1.0.08001.1	746	8095	1.00E-123	248	256	96 +	39	294	2878	3133
UN37819	Rsa1.0.00399.1	1144	242951	0	415	428	96 +	243	664	79753	80180
UN37820	Rsa1.0.03639.1	798	21629	1.00E-144	300	312	96 -	3	314	4990	5300
UN37821	Rsa1.0.00303.1	1491	97468	0	517	535	96 +	958	1491	30230	30761
UN37822	Rsa1.0.00090.1	936	273859	1.00E-156	313	324	96 +	614	936	2718	3033
UN37823	Rsa1.0.00344.1	857	191774	1.00E-147	331	355	93 +	517	857	104082	104435
UN37824	Rsa1.0.01884.1	1710	37659	0	528	551	95 -	1160	1710	14438	14986
UN37825	Rsa1.0.00955.1	1026	58358	1.00E-104	202	205	98 -	302	506	35143	35347
UN37826	Rsa1.0.00082.1	1553	237584	0	528	528	100 +	2	529	19585	20112
UN37827	Rsa1.0.01526.1	615	43919	0	433	448	96 +	158	605	2497	2944
UN37828	Rsa1.0.11411.1	1050	5515	0	876	926	94 -	124	1049	4596	5515

UN37829	Rsa1.0.00476.1	699	280966	1.00E-113	293	319	91 +	376	687	166138	166455
UN37830	Rsa1.0.02276.1	1272	33098	0	1113	1169	95 -	1	1163	12207	13370
UN37831	Rsa1.0.00526.1	1008	169279	0	947	1024	92 -	1	1008	165055	166071
UN37832	Rsa1.0.00874.1	971	179723	0	938	978	95 -	3	970	23730	24707
UN37833	Rsa1.0.37975.1	1150	593	0	574	584	98 -	198	781	1	582
UN37834	Rsa1.0.00457.1	925	337301	1.00E-140	265	269	98 -	657	925	289889	290157
UN37835	Rsa1.0.03249.1	519	146254	0	442	450	98 -	67	514	141647	142094
UN37836	Rsa1.0.00210.1	1768	108424	1.00E-164	363	386	94 +	334	719	13479	13864
UN37837	Rsa1.0.00740.1	1015	215972	3.00E-97	190	192	98 +	198	387	31259	31450
UN37838	Rsa1.0.00305.1	1296	97308	9.00E-95	233	250	93 +	3	250	94455	94696
UN37839	Rsa1.0.03524.1	1380	22297	0	629	647	97 +	734	1380	14064	14710
UN37840	Rsa1.0.03319.1	1246	23767	1.00E-178	388	412	94 +	173	584	16981	17392
UN37841	Rsa1.0.00069.1	787	403561	1.00E-132	263	271	97 -	1	271	192368	192638
UN37842	Rsa1.0.00512.1	908	200277	1.00E-175	311	311	100 +	595	905	27880	28190
UN37843	Rsa1.0.11393.1	910	5521	1.00E-149	271	272	99 +	3	274	1097	1368
UN37844	Rsa1.0.04140.1	1255	18879	1.00E-108	212	216	98 +	258	473	7286	7501
UN37845	Rsa1.0.00191.1	1705	316976	0	623	653	95 -	923	1570	49335	49971
UN37846	Rsa1.0.00992.1	539	57419	0	537	539	99 -	1	539	7274	7812
UN37847	Rsa1.0.04262.1	961	18220	0	490	493	99 -	1	493	3395	3887
UN37848	Rsa1.0.00131.1	844	432233	1.00E-147	380	416	91 -	1	416	8503	8905
UN37849	Rsa1.0.01403.1	950	46453	1.00E-150	272	273	99 -	2	274	20145	20417
UN37850	Rsa1.0.03327.1	881	23707	0	699	723	96 +	6	723	17677	18399
UN37851	Rsa1.0.00101.1	822	267193	0	330	331	99 -	221	551	140948	141278
UN37852	Rsa1.0.00348.1	1283	92818	0	1241	1281	96 +	4	1281	32483	33758
UN37853	Rsa1.0.01338.1	920	155644	0	556	591	94 -	1	576	128152	128742
UN37854	Rsa1.0.13944.1	782	4039	4.00E-34	321	396	81 -	213	602	504	896
UN37855	Rsa1.0.00490.1	788	186713	0	744	747	99 -	3	748	181001	181747
UN37856	Rsa1.0.01565.1	1250	155447	0	870	872	99 -	2	873	34665	35536
UN37857	Rsa1.0.28433.1	1052	815	0	561	569	98 +	487	1052	1	569
UN37858	Rsa1.0.10110.1	1056	5994	0	902	951	94 -	118	1056	3444	4392
UN37859	Rsa1.0.02625.1	797	139104	1.00E-115	211	211	100 +	4	214	7333	7543
UN37860	Rsa1.0.09409.1	822	6390	1.00E-134	258	263	98 +	560	822	2135	2397
UN37861	Rsa1.0.01090.1	1448	54385	0	694	720	96 -	1	714	28191	28906
UN37862	Rsa1.0.30745.1	1379	746	1.00E-130	520	610	85 -	187	778	144	730
UN37863	Rsa1.0.00707.1	981	190112	1.00E-151	345	369	93 -	3	365	55985	56345
UN37864	Rsa1.0.01254.1	1016	49801	1.00E-151	447	496	90 -	524	1010	13794	14282
UN37865	Rsa1.0.00793.1	676	64103	4.00E-86	217	233	93 -	10	231	15598	15828
UN37866	Rsa1.0.00006.1	672	396176	0	464	475	97 -	1	467	210887	211360
UN37867	Rsa1.0.01316.1	1040	48325	1.00E-101	205	210	97 -	750	959	1183	1389

UN37868	Rsa1.0.03375.1	1523	23332	0	587	614	95 -	917	1521	16084	16693
UN37869	Rsa1.0.01506.1	1396	44370	1.00E-102	198	201	98 +	1086	1286	30359	30559
UN37870	Rsa1.0.01567.1	1014	43090	0	515	517	99 -	496	1012	19887	20402
UN37871	Rsa1.0.01861.1	1194	38031	0	743	754	98 -	443	1193	14090	14843
UN37872	Rsa1.0.03483.1	1004	22621	0	373	379	98 -	626	1004	18280	18658
UN37873	Rsa1.0.52224.1	1092	436	1.00E-107	221	229	96 -	442	670	1	229
UN37874	Rsa1.0.18823.1	640	1527	1.00E-92	250	276	90 -	208	480	14	276
UN37875	Rsa1.0.00565.1	878	75420	0	342	346	98 +	1	345	34392	34737
UN37876	Rsa1.0.01641.1	1485	188213	0	945	952	99 -	3	954	15891	16842
UN37877	Rsa1.0.02386.1	1165	31895	1.00E-169	312	314	99 +	3	316	10424	10736
UN37878	Rsa1.0.00925.1	786	59481	1.00E-150	308	317	97 -	2	318	38881	39194
UN37879	Rsa1.0.00002.1	1014	601661	0	943	943	100 +	72	1014	145814	146756
UN37880	Rsa1.0.00025.1	1041	277312	0	775	809	95 -	1	803	226330	227138
UN37881	Rsa1.0.00050.1	1061	237174	0	633	664	95 +	404	1061	4619	5276
UN37882	Rsa1.0.00387.1	1296	495407	1.00E-179	367	381	96 +	2	379	398905	399285
UN37883	Rsa1.0.01756.1	1271	39779	0	382	382	100 -	1	382	10169	10550
UN37884	Rsa1.0.00635.1	1030	175826	0	650	677	96 +	352	1028	106336	107011
UN37885	Rsa1.0.00386.1	1471	89134	1.00E-137	248	248	100 -	328	575	67310	67557
UN37886	Rsa1.0.03367.1	937	23387	1.00E-89	199	208	95 -	485	692	1583	1789
UN37887	Rsa1.0.02236.1	369	33558	1.00E-158	297	302	98 -	1	302	19567	19868
UN37888	Rsa1.0.00378.1	821	89892	1.00E-168	348	362	96 -	248	606	64565	64920
UN37889	Rsa1.0.02418.1	837	31590	0	800	823	97 -	5	823	9671	10485
UN37890	Rsa1.0.02038.1	606	35715	1.00E-169	347	362	95 -	5	358	9722	10082
UN37891	Rsa1.0.00058.1	906	159921	1.00E-178	354	365	96 +	9	373	65126	65489
UN37892	Rsa1.0.00075.1	1135	146680	0	436	465	93 +	672	1133	17393	17839
UN37893	Rsa1.0.01104.1	830	285480	1.00E-111	249	262	95 -	402	663	107192	107449
UN37894	Rsa1.0.00108.1	1264	478491	0	387	394	98 +	704	1097	66756	67149
UN37895	Rsa1.0.00082.1	979	237584	0	684	722	94 -	203	913	106443	107155
UN37896	Rsa1.0.00452.1	1109	83201	0	585	595	98 -	1	592	77985	78579
UN37897	Rsa1.0.00092.1	1026	659932	1.00E-80	185	196	94 -	3	198	134776	134965
UN37898	Rsa1.0.05753.1	1054	12732	0	562	565	99 +	490	1054	11407	11971
UN37899	Rsa1.0.03448.1	761	22844	0	671	676	99 -	2	677	3267	3942
UN37900	Rsa1.0.22870.1	935	1087	1.00E-154	344	369	93 -	582	935	474	839
UN37901	Rsa1.0.00451.1	1043	322533	0	435	444	97 +	598	1041	298552	298995
UN37902	Rsa1.0.03798.1	1328	20800	0	1256	1264	99 +	1	1264	331	1594
UN37903	Rsa1.0.01724.1	1369	40292	1.00E-123	239	244	97 +	1124	1367	2086	2329
UN37904	Rsa1.0.52224.1	675	436	1.00E-107	224	229	97 -	447	672	1	229
UN37905	Rsa1.0.04670.1	1235	16453	0	398	408	97 -	829	1235	6521	6927
UN37906	Rsa1.0.00017.1	2094	752458	0	1392	1462	95 -	643	2090	317321	318774

UN37907	Rsa1.0.00098.1	571	349239	0	475	505	94 +	1	500	234730	235222
UN37908	Rsa1.0.00218.1	729	201480	0	704	732	96 -	1	729	36905	37629
UN37909	Rsa1.0.00921.1	935	59599	1.00E-136	293	307	95 +	631	935	26225	26528
UN37910	Rsa1.0.03193.1	2559	24690	0	531	537	98 +	942	1478	19257	19793
UN37911	Rsa1.0.01556.1	933	163858	0	453	490	92 +	246	726	24979	25456
UN37912	Rsa1.0.00389.1	1438	88795	0	1195	1246	95 +	199	1438	61128	62372
UN37913	Rsa1.0.01105.1	1079	53958	0	610	623	97 +	2	624	19726	20345
UN37914	Rsa1.0.00322.1	1015	212233	0	1002	1012	99 -	2	1013	63679	64689
UN37915	Rsa1.0.01311.1	904	48456	0	358	360	99 +	545	904	16788	17147
UN37916	Rsa1.0.00673.1	1057	69325	1.00E-149	289	296	97 +	249	544	47441	47736
UN37917	Rsa1.0.00154.1	311	189461	1.00E-114	286	308	92 -	3	308	181971	182272
UN37918	Rsa1.0.36989.1	694	610	1.00E-102	297	330	90 -	1	320	1	324
UN37919	Rsa1.0.00001.1	1403	363028	0	996	1057	94 -	366	1401	234955	236008
UN37920	Rsa1.0.64191.1	530	357	1.00E-158	301	307	98 +	1	302	31	337
UN37921	Rsa1.0.13438.1	1224	4828	3.00E-97	184	185	99 +	538	722	1816	2000
UN37922	Rsa1.0.02183.1	681	34170	0	380	382	99 -	3	384	13946	14327
UN37923	Rsa1.0.00152.1	1311	257730	0	572	585	97 -	2	586	230931	231515
UN37924	Rsa1.0.01010.1	1230	56906	1.00E-119	221	222	99 +	449	670	29281	29502
UN37925	Rsa1.0.03834.1	890	20572	0	782	789	99 -	102	890	18748	19536
UN37926	Rsa1.0.01652.1	781	41579	0	428	438	97 -	336	770	1055	1489
UN37927	Rsa1.0.00029.1	872	272992	0	618	649	95 -	1	647	3110	3752
UN37928	Rsa1.0.00350.1	755	92346	1.00E-116	228	233	97 +	138	370	49125	49357
UN37929	Rsa1.0.00108.1	971	478491	1.00E-110	286	311	91 -	2	306	45777	46086
UN37930	Rsa1.0.00162.1	1507	239935	0	493	511	96 +	808	1315	19100	19610
UN37931	Rsa1.0.00041.1	1455	186197	1.00E-158	283	283	100 -	1172	1454	51647	51929
UN37932	Rsa1.0.00002.1	741	601661	0	706	733	96 +	1	733	145942	146674
UN37933	Rsa1.0.02756.1	931	28202	1.00E-141	360	398	90 -	547	925	19092	19474
UN37934	Rsa1.0.01724.1	949	40292	1.00E-93	257	282	91 +	11	281	6763	7042
UN37935	Rsa1.0.24446.1	786	987	0	533	547	97 -	141	687	184	730
UN37936	Rsa1.0.00148.1	1131	120234	0	476	487	97 +	630	1115	78	564
UN37937	Rsa1.0.23756.1	1116	1027	0	980	1025	95 +	48	1071	1	1025
UN37938	Rsa1.0.00441.1	1537	84607	0	521	554	94 +	989	1537	29577	30126
UN37939	Rsa1.0.48078.1	733	471	1.00E-144	259	259	100 +	6	264	213	471
UN37940	Rsa1.0.00698.1	944	67816	0	552	562	98 +	1	562	43151	43709
UN37941	Rsa1.0.28998.1	1278	796	0	346	346	100 -	617	962	435	780
UN37942	Rsa1.0.01261.1	804	49744	0	450	469	95 +	3	471	35452	35917
UN37943	Rsa1.0.01487.1	884	44784	0	442	447	98 -	3	449	28502	28948
UN37944	Rsa1.0.01679.1	1363	146876	1.00E-172	323	327	98 +	524	850	133767	134092
UN37945	Rsa1.0.03639.1	1128	21629	0	401	414	96 +	715	1128	3159	3572

UN37946	Rsa1.0_04578.1	775	16774	0	401	415	96 -	1	415	16195	16605
UN37947	Rsa1.0_00116.1	915	365886	0	525	527	99 +	3	529	54884	55410
UN37948	Rsa1.0_00016.1	722	831256	0	488	504	96 +	219	722	509739	510242
UN37949	Rsa1.0_01126.1	854	53127	0	825	853	96 -	4	854	36446	37294
UN37950	Rsa1.0_01220.1	1195	161775	0	554	566	97 +	629	1193	27217	27782
UN37951	Rsa1.0_00644.1	1014	136881	1.00E-145	283	290	97 +	57	346	26141	26430
UN37952	Rsa1.0_00067.1	1037	415055	1.00E-180	356	367	97 +	614	978	160465	160831
UN37953	Rsa1.0_00251.1	959	303968	0	953	959	99 -	1	959	11057	12015
UN37954	Rsa1.0_25317.1	723	941	0	623	646	96 +	1	644	298	941
UN37955	Rsa1.0_00111.1	898	390088	0	433	459	94 +	448	898	71526	71980
UN37956	Rsa1.0_03647.1	1215	21597	0	497	541	91 -	328	859	2779	3304
UN37957	Rsa1.0_01237.1	1070	50124	0	724	739	97 +	333	1068	44585	45319
UN37958	Rsa1.0_01967.1	1745	36672	0	1657	1698	97 -	18	1711	23205	24902
UN37959	Rsa1.0_00816.1	275	403350	1.00E-110	244	258	94 -	1	258	271515	271772
UN37960	Rsa1.0_00170.1	1423	179538	1.00E-133	297	314	94 -	1056	1368	24440	24753
UN37961	Rsa1.0_66654.1	1153	344	0	342	344	99 +	37	380	1	344
UN37962	Rsa1.0_00724.1	955	66789	0	766	780	98 +	179	954	58679	59458
UN37963	Rsa1.0_00192.1	875	278200	0	797	828	96 +	44	871	251255	252081
UN37964	Rsa1.0_02053.1	1668	35554	0	727	734	99 +	4	736	8292	9025
UN37965	Rsa1.0_04090.1	865	19145	0	860	863	99 -	3	865	5949	6811
UN37966	Rsa1.0_07811.1	898	8496	0	522	573	91 +	338	898	1308	1862
UN37967	Rsa1.0_00256.1	980	102426	0	367	371	98 -	610	980	23430	23800
UN37968	Rsa1.0_04142.1	892	18861	0	483	502	96 +	391	892	1699	2200
UN37969	Rsa1.0_00108.1	1358	478491	0	419	422	99 +	574	995	11346	11767
UN37970	Rsa1.0_10764.1	1133	5726	1.00E-106	315	359	87 -	651	1009	2505	2845
UN37971	Rsa1.0_00399.1	726	242951	1.00E-117	242	251	96 -	475	725	60860	61110
UN37972	Rsa1.0_13999.1	828	3934	1.00E-166	345	361	95 -	468	828	1801	2157
UN37973	Rsa1.0_03727.1	1021	21158	0	613	646	94 -	1	626	11110	11755
UN37974	Rsa1.0_10868.1	896	5695	1.00E-160	323	332	97 +	1	332	1686	2011
UN37975	Rsa1.0_08755.1	875	6955	0	744	766	97 +	112	875	3627	4388
UN37976	Rsa1.0_03191.1	990	145762	0	615	630	97 +	2	631	20823	21452
UN37977	Rsa1.0_00305.1	777	97308	0	477	484	98 -	3	486	39688	40171
UN37978	Rsa1.0_00526.1	895	169279	0	522	561	93 +	49	588	165051	165611
UN37979	Rsa1.0_00916.1	418	59789	0	407	421	96 +	1	418	15525	15939
UN37980	Rsa1.0_00497.1	794	79830	0	546	550	99 -	244	793	28673	29222
UN37981	Rsa1.0_00297.1	799	97836	1.00E-122	283	301	94 +	2	296	54721	55019
UN37982	Rsa1.0_00130.1	1078	125737	0	378	381	99 +	698	1077	88567	88947
UN37983	Rsa1.0_00416.1	923	86772	5.00E-74	151	154	98 -	142	295	49230	49383
UN37984	Rsa1.0_00187.1	1013	393093	0	476	492	96 -	221	712	234611	235102

UN37985	Rsa1.0_01949.1	1099	36960	1.00E-173	376	394	95 -	709	1098	20440	20826
UN37986	Rsa1.0_01540.1	1354	151890	0	334	335	99 -	1020	1354	113768	114102
UN37987	Rsa1.0_03093.1	703	25445	0	660	704	93 +	2	703	14667	15351
UN37988	Rsa1.0_01388.1	1172	46741	0	490	492	99 +	682	1172	29300	29791
UN37989	Rsa1.0_14203.1	1121	3670	0	435	441	98 +	330	769	1903	2342
UN37990	Rsa1.0_03134.1	1060	145023	0	471	472	99 -	1	472	132294	132765
UN37991	Rsa1.0_03506.1	740	22416	3.00E-99	199	204	97 -	537	740	8998	9201
UN37992	Rsa1.0_04482.1	1155	17175	1.00E-142	288	296	97 +	1	294	8833	9128
UN37993	Rsa1.0_00131.1	1296	432233	0	512	512	100 +	783	1294	289720	290231
UN37994	Rsa1.0_00104.1	787	368722	1.00E-123	304	325	93 -	3	323	219468	219792
UN37995	Rsa1.0_00011.1	801	225044	2.00E-91	177	179	98 +	623	801	200725	200903
UN37996	Rsa1.0_00159.1	1274	431686	1.00E-122	238	243	97 -	221	463	349496	349738
UN37997	Rsa1.0_00088.1	1189	141341	0	449	462	97 +	105	566	94765	95226
UN37998	Rsa1.0_16891.1	823	1999	1.00E-31	111	123	90 +	213	334	1429	1551
UN37999	Rsa1.0_00179.1	1139	393324	0	843	875	96 +	266	1137	319884	320757
UN38000	Rsa1.0_03940.1	412	19962	0	383	395	96 +	5	399	8030	8423
UN38001	Rsa1.0_05984.1	758	12031	0	343	349	98 -	410	758	8465	8813
UN38002	Rsa1.0_00001.1	795	363028	0	730	759	96 +	9	767	235653	236411
UN38003	Rsa1.0_00596.1	654	73578	1.00E-169	314	317	99 -	222	538	45423	45738
UN38004	Rsa1.0_01625.1	903	42019	0	856	886	96 -	18	903	29675	30556
UN38005	Rsa1.0_00105.1	912	134138	0	728	745	97 +	1	740	62078	62819
UN38006	Rsa1.0_00344.1	869	191774	0	827	857	96 -	3	859	129868	130711
UN38007	Rsa1.0_00251.1	1200	303968	1.00E-173	377	395	95 +	807	1198	61888	62280
UN38008	Rsa1.0_00632.1	1306	183777	0	564	570	98 -	2	571	160327	160896
UN38009	Rsa1.0_00212.1	895	108350	0	352	352	100 +	544	895	101939	102290
UN38010	Rsa1.0_01527.1	650	43905	0	644	651	98 -	2	650	20314	20964
UN38011	Rsa1.0_03701.1	634	21296	0	449	470	95 -	2	467	10638	11107
UN38012	Rsa1.0_00250.1	833	273771	0	541	557	97 -	275	831	249892	250448
UN38013	Rsa1.0_00064.1	1032	240927	0	503	506	99 +	2	507	78992	79496
UN38014	Rsa1.0_02073.1	808	35386	0	795	807	98 +	1	807	20700	21505
UN38015	Rsa1.0_03513.1	891	22349	0	393	402	97 +	2	403	12723	13124
UN38016	Rsa1.0_00585.1	797	74164	0	702	710	98 -	88	797	60681	61387
UN38017	Rsa1.0_02119.1	1004	34833	0	885	913	96 -	1	913	7087	7999
UN38018	Rsa1.0_07630.1	1099	8988	0	396	414	95 +	686	1095	4068	4479
UN38019	Rsa1.0_03133.1	1507	25135	0	926	948	97 +	208	1155	11284	12231
UN38020	Rsa1.0_03353.1	888	23496	0	588	597	98 -	293	888	18965	19561
UN38021	Rsa1.0_00127.1	973	127446	2.00E-98	224	235	95 -	13	246	73899	74132
UN38022	Rsa1.0_00001.1	762	363028	1.00E-156	316	328	96 +	98	425	143880	144207
UN38023	Rsa1.0_00224.1	821	327530	0	405	427	94 +	154	575	146839	147263

UN38024	Rsa1.0.00329.1	2081	222544	0	987	989	99 -	1	988	161754	162742
UN38025	Rsa1.0.00020.1	1182	283099	0	452	461	98 +	1	460	128236	128696
UN38026	Rsa1.0.01295.1	1040	49040	0	948	964	98 -	77	1040	46900	47863
UN38027	Rsa1.0.01220.1	843	161775	1.00E-178	381	397	95 +	3	395	126070	126462
UN38028	Rsa1.0.00028.1	803	293984	0	782	802	97 +	2	803	71335	72134
UN38029	Rsa1.0.01434.1	1002	45951	1.00E-175	353	367	96 +	633	999	5302	5668
UN38030	Rsa1.0.04383.1	886	17631	0	604	604	100 -	4	607	11934	12537
UN38031	Rsa1.0.11462.1	837	5500	0	647	648	99 +	3	650	2183	2830
UN38032	Rsa1.0.01416.1	467	46262	0	385	386	99 +	1	386	24734	25119
UN38033	Rsa1.0.02987.1	776	26196	0	489	536	91 +	34	539	24943	25473
UN38034	Rsa1.0.07243.1	839	9673	1.00E-120	271	285	95 +	559	839	3533	3815
UN38035	Rsa1.0.01013.1	1126	56822	0	523	524	99 +	1	523	45682	46205
UN38036	Rsa1.0.09359.1	1431	6427	0	749	776	96 +	3	778	298	1073
UN38037	Rsa1.0.01436.1	831	45894	1.00E-123	303	325	93 +	510	829	16901	17218
UN38038	Rsa1.0.00706.1	679	291570	0	408	427	95 +	253	679	181304	181729
UN38039	Rsa1.0.15913.1	1167	2362	0	550	589	93 -	575	1162	785	1363
UN38040	Rsa1.0.01589.1	941	42721	1.00E-176	352	364	96 +	1	361	28608	28971
UN38041	Rsa1.0.00016.1	924	831256	1.00E-170	407	443	91 -	351	793	356997	357430
UN38042	Rsa1.0.06955.1	859	10111	0	394	395	99 -	168	562	7836	8230
UN38043	Rsa1.0.04954.1	900	15347	1.00E-136	247	247	100 -	651	897	10404	10650
UN38044	Rsa1.0.05442.1	777	13741	1.00E-122	226	227	99 +	343	569	934	1160
UN38045	Rsa1.0.00964.1	757	316648	1.00E-135	245	245	100 +	512	756	165354	165598
UN38046	Rsa1.0.01273.1	814	49464	1.00E-168	300	300	100 +	1	300	40125	40424
UN38047	Rsa1.0.00990.1	803	57445	0	419	420	99 -	1	420	21325	21744
UN38048	Rsa1.0.00201.1	819	232851	1.00E-104	289	321	90 +	331	651	42192	42512
UN38049	Rsa1.0.01060.1	743	55368	0	326	326	100 +	314	639	21378	21703
UN38050	Rsa1.0.00468.1	1335	82095	0	437	448	97 +	887	1334	12803	13250
UN38051	Rsa1.0.01682.1	1308	41090	1.00E-167	375	395	94 -	919	1307	8566	8957
UN38052	Rsa1.0.00124.1	1057	262503	0	843	881	95 +	187	1057	169209	170084
UN38053	Rsa1.0.02604.1	583	29638	1.00E-82	156	156	100 +	3	158	23442	23597
UN38054	Rsa1.0.00050.1	758	237174	0	419	449	93 +	4	448	31090	31520
UN38055	Rsa1.0.02412.1	911	31643	0	664	681	97 -	1	681	14291	14971
UN38056	Rsa1.0.02544.1	888	30290	0	334	338	98 -	3	340	8180	8517
UN38057	Rsa1.0.01589.1	852	42721	0	339	344	98 +	342	685	29038	29381
UN38058	Rsa1.0.00467.1	632	156542	0	419	419	100 +	1	419	134066	134484
UN38059	Rsa1.0.00114.1	974	131330	0	432	433	99 +	1	433	84224	84656
UN38060	Rsa1.0.00246.1	877	103541	0	830	830	100 -	48	877	43095	43924
UN38061	Rsa1.0.02682.1	641	28711	0	518	542	95 +	100	641	16960	17501
UN38062	Rsa1.0.01887.1	945	37564	1.00E-135	319	344	92 -	602	945	23906	24249

UN38063	Rsa1.0.00002.1	849	601661	1.00E-173	308	308	100 -	542	849	92326	92633
UN38064	Rsa1.0.00860.1	983	61789	0	932	968	96 -	3	968	44982	45946
UN38065	Rsa1.0.14538.1	916	3287	0	901	918	98 -	3	916	585	1502
UN38066	Rsa1.0.02906.1	771	26866	0	445	455	97 -	1	454	5317	5764
UN38067	Rsa1.0.00645.1	814	189716	1.00E-140	304	319	95 +	54	369	149516	149833
UN38068	Rsa1.0.00522.1	739	78103	0	385	391	98 -	1	391	45218	45608
UN38069	Rsa1.0.00211.1	1305	228189	0	1243	1305	95 -	1	1302	140050	141352
UN38070	Rsa1.0.01093.1	916	54312	1.00E-122	395	452	87 +	339	790	26474	26922
UN38071	Rsa1.0.00228.1	933	105511	0	497	505	98 +	429	933	82494	82998
UN38072	Rsa1.0.04977.1	1358	15260	1.00E-132	246	248	99 +	964	1211	6953	7200
UN38073	Rsa1.0.00028.1	727	293984	0	553	567	97 -	161	727	137233	137788
UN38074	Rsa1.0.00414.1	525	202190	1.00E-136	306	325	94 -	200	521	172431	172746
UN38075	Rsa1.0.00153.1	845	192931	0	799	846	94 +	1	841	13970	14809
UN38076	Rsa1.0.00638.1	1058	71037	0	883	891	99 -	168	1058	22302	23191
UN38077	Rsa1.0.10941.1	764	5670	0	709	721	98 -	26	742	4854	5574
UN38078	Rsa1.0.04525.1	1052	16965	0	999	1060	94 -	3	1051	2249	3302
UN38079	Rsa1.0.10922.1	1049	5677	1.00E-68	269	312	86 +	129	435	1579	1887
UN38080	Rsa1.0.00336.1	807	445051	1.00E-153	347	371	93 +	8	361	166516	166884
UN38081	Rsa1.0.00340.1	1204	305782	0	712	712	100 -	145	856	101672	102383
UN38082	Rsa1.0.00182.1	871	142305	1.00E-175	370	389	95 -	484	871	119855	120230
UN38083	Rsa1.0.07851.1	919	8423	1.00E-178	332	337	98 -	236	572	5251	5587
UN38084	Rsa1.0.02116.1	829	34853	0	495	507	97 +	315	821	14502	15008
UN38085	Rsa1.0.31019.1	1228	738	1.00E-179	400	425	94 -	3	427	42	463
UN38086	Rsa1.0.06968.1	788	10090	0	569	626	90 -	3	613	8768	9375
UN38087	Rsa1.0.04165.1	707	18757	1.00E-165	306	310	98 -	2	311	613	922
UN38088	Rsa1.0.01328.1	752	48021	4.00E-68	135	136	99 +	617	752	23159	23294
UN38089	Rsa1.0.02996.1	549	26152	0	530	547	96 -	3	549	15192	15735
UN38090	Rsa1.0.00301.1	769	365315	1.00E-170	491	544	90 +	216	738	182014	182552
UN38091	Rsa1.0.02041.1	772	163634	1.00E-142	312	329	94 +	5	328	31593	31921
UN38092	Rsa1.0.06389.1	795	11107	0	507	515	98 -	1	515	942	1453
UN38093	Rsa1.0.02769.1	736	28107	1.00E-177	388	409	94 -	5	399	13370	13778
UN38094	Rsa1.0.00377.1	1109	90038	1.00E-109	226	233	96 -	562	793	28480	28712
UN38095	Rsa1.0.01171.1	1056	51752	0	438	450	97 -	2	451	28832	29281
UN38096	Rsa1.0.01485.1	798	44797	0	381	392	97 +	407	798	11613	12003
UN38097	Rsa1.0.00821.1	357	62891	1.00E-165	346	361	95 +	2	356	55348	55706
UN38098	Rsa1.0.16203.1	780	2246	0	568	632	89 -	63	691	1196	1827
UN38099	Rsa1.0.02019.1	832	35983	0	785	811	96 -	1	801	18331	19141
UN38100	Rsa1.0.00011.1	762	225044	0	452	452	100 -	311	762	219176	219627
UN38101	Rsa1.0.02289.1	1255	32981	0	939	991	94 +	285	1255	10760	11749

UN38102	Rsa1.0.00017.1	1119	752458	0	487	516	94 -	132	625	297949	298464
UN38103	Rsa1.0.00065.1	874	454616	0	842	885	95 -	2	874	58594	59477
UN38104	Rsa1.0.02041.1	893	163634	0	527	561	93 -	333	893	30343	30889
UN38105	Rsa1.0.00543.1	858	76788	2.00E-88	181	186	97 +	322	507	41633	41818
UN38106	Rsa1.0.06887.1	1148	10208	0	1122	1153	97 +	1	1143	8138	9290
UN38107	Rsa1.0.00191.1	256	316976	1.00E-142	256	256	100 +	1	256	204533	204788
UN38108	Rsa1.0.00244.1	834	103590	1.00E-111	205	205	100 +	630	834	52291	52495
UN38109	Rsa1.0.00464.1	795	82253	0	402	413	97 -	1	410	27170	27580
UN38110	Rsa1.0.08606.1	908	7133	0	415	422	98 -	3	424	6441	6862
UN38111	Rsa1.0.00806.1	1105	63674	0	1064	1104	96 +	2	1105	47280	48379
UN38112	Rsa1.0.01739.1	488	40068	0	483	487	99 +	2	488	8910	9396
UN38113	Rsa1.0.02414.1	495	31625	1.00E-152	284	288	98 +	208	495	19263	19550
UN38114	Rsa1.0.01082.1	799	54640	0	438	439	99 +	1	439	14558	14996
UN38115	Rsa1.0.04852.1	683	15712	0	669	682	98 +	2	683	10	691
UN38116	Rsa1.0.00630.1	995	71281	0	466	487	95 +	4	490	20897	21383
UN38117	Rsa1.0.00476.1	829	280966	0	444	449	98 +	42	490	231601	232049
UN38118	Rsa1.0.01421.1	790	46197	1.00E-141	255	255	100 -	167	421	30027	30281
UN38119	Rsa1.0.00157.1	1057	245832	1.00E-176	377	393	95 -	664	1053	147056	147446
UN38120	Rsa1.0.01438.1	961	45882	0	491	517	94 +	452	961	15044	15558
UN38121	Rsa1.0.08217.1	1129	7707	0	391	395	98 +	684	1077	177	571
UN38122	Rsa1.0.17063.1	566	1937	0	522	546	95 +	9	552	180	725
UN38123	Rsa1.0.00197.1	752	109714	0	496	505	98 +	171	675	47701	48205
UN38124	Rsa1.0.06619.1	968	10650	0	482	508	94 +	461	968	959	1451
UN38125	Rsa1.0.04578.1	1318	16774	1.00E-149	269	269	100 +	81	349	8527	8795
UN38126	Rsa1.0.00649.1	879	70263	1.00E-120	249	259	96 +	236	494	24617	24875
UN38127	Rsa1.0.00466.1	852	82132	0	830	860	96 +	1	852	55355	56214
UN38128	Rsa1.0.00351.1	867	413096	0	813	830	97 +	1	830	404872	405699
UN38129	Rsa1.0.00002.1	797	601661	0	770	792	97 +	5	796	436645	437433
UN38130	Rsa1.0.01284.1	1381	49231	0	394	394	100 +	515	908	20033	20426
UN38131	Rsa1.0.03387.1	1171	23278	0	1052	1090	96 -	21	1110	7459	8547
UN38132	Rsa1.0.03244.1	909	24413	0	844	904	93 -	5	908	20042	20924
UN38133	Rsa1.0.02503.1	764	30709	4.00E-74	154	158	97 -	82	239	29418	29575
UN38134	Rsa1.0.02663.1	1152	169243	0	1146	1152	99 -	1	1152	142463	143613
UN38135	Rsa1.0.00272.1	896	447836	0	856	900	95 +	6	896	425161	426060
UN38136	Rsa1.0.03402.1	1009	23188	1.00E-116	275	299	91 +	1	299	11331	11614
UN38137	Rsa1.0.01902.1	838	37455	0	523	538	97 +	2	539	2809	3342
UN38138	Rsa1.0.00817.1	639	62961	0	622	639	97 -	2	639	44955	45590
UN38139	Rsa1.0.00524.1	662	169613	1.00E-159	373	404	92 -	10	410	152018	152404
UN38140	Rsa1.0.12096.1	1029	5315	0	397	415	95 -	1	413	2161	2569

UN38141	Rsa1.0.01560.1	921	43256	0	874	911	95 -	2	909	19521	20428
UN38142	Rsa1.0.01959.1	1330	36798	0	764	815	93 +	4	818	15251	16060
UN38143	Rsa1.0.01004.1	1112	56975	0	403	409	98 -	704	1109	48516	48924
UN38144	Rsa1.0.01470.1	847	45108	1.00E-145	264	265	99 -	110	374	36430	36694
UN38145	Rsa1.0.04438.1	306	17361	5.00E-56	114	115	99 +	135	249	15099	15213
UN38146	Rsa1.0.02039.1	1371	35699	0	646	692	93 +	1	686	2757	3430
UN38147	Rsa1.0.01762.1	984	39682	1.00E-165	330	339	97 +	4	341	15237	15574
UN38148	Rsa1.0.09155.1	803	6605	0	599	625	95 -	179	803	22	646
UN38149	Rsa1.0.00131.1	764	432233	1.00E-174	336	345	97 +	191	535	428390	428734
UN38150	Rsa1.0.05549.1	1091	13366	0	380	394	96 -	700	1091	12973	13366
UN38151	Rsa1.0.00128.1	886	228675	1.00E-131	244	246	99 +	1	246	56946	57191
UN38152	Rsa1.0.00977.1	817	198001	0	322	322	100 -	323	644	157438	157759
UN38153	Rsa1.0.02266.1	922	33195	0	412	424	97 -	1	422	4483	4906
UN38154	Rsa1.0.02294.1	1284	32940	1.00E-105	225	235	95 +	634	868	14742	14976
UN38155	Rsa1.0.00695.1	656	68019	0	443	461	96 -	5	464	50092	50549
UN38156	Rsa1.0.00556.1	1216	207212	0	506	522	96 -	693	1214	193417	193935
UN38157	Rsa1.0.00008.1	1141	358124	0	431	432	99 +	708	1139	294531	294962
UN38158	Rsa1.0.05355.1	588	14069	1.00E-180	336	340	98 +	248	587	285	623
UN38159	Rsa1.0.00827.1	931	62790	1.00E-119	234	238	98 +	1	237	41776	42013
UN38160	Rsa1.0.00387.1	1281	495407	1.00E-166	497	554	89 -	733	1278	384371	384917
UN38161	Rsa1.0.00816.1	1000	403350	0	944	994	94 +	1	981	394006	394984
UN38162	Rsa1.0.02586.1	585	29856	0	494	496	99 -	1	496	19482	19977
UN38163	Rsa1.0.00237.1	696	235974	1.00E-115	241	250	96 +	94	342	184709	184958
UN38164	Rsa1.0.08557.1	884	7199	2.00E-76	152	154	98 -	396	549	5654	5807
UN38165	Rsa1.0.04282.1	1084	18100	0	984	1008	97 -	1	1008	13726	14733
UN38166	Rsa1.0.00049.1	881	167018	0	373	374	99 +	31	404	127004	127377
UN38167	Rsa1.0.02413.1	1181	31628	1.00E-164	459	522	87 -	593	1105	6634	7125
UN38168	Rsa1.0.00026.1	789	327835	2.00E-85	167	169	98 -	189	357	171501	171669
UN38169	Rsa1.0.01416.1	497	46262	1.00E-173	383	407	94 +	12	407	24713	25119
UN38170	Rsa1.0.00737.1	1215	66432	1.00E-164	318	325	97 -	2	326	30743	31065
UN38171	Rsa1.0.00849.1	823	62212	1.00E-165	341	357	95 +	31	387	9755	10099
UN38172	Rsa1.0.00645.1	651	189716	0	406	407	99 +	119	525	151484	151890
UN38173	Rsa1.0.01316.1	1137	48325	1.00E-110	303	335	90 -	721	1036	1061	1389
UN38174	Rsa1.0.02085.1	744	35198	7.00E-51	125	131	95 -	78	208	32382	32511
UN38175	Rsa1.0.03751.1	794	21025	0	447	462	96 -	2	455	15342	15801
UN38176	Rsa1.0.02053.1	1024	35554	0	343	348	98 -	675	1022	8292	8639
UN38177	Rsa1.0.00915.1	267	194446	2.00E-70	245	271	90 +	1	266	39750	40012
UN38178	Rsa1.0.02586.1	1271	29856	0	441	474	93 +	138	611	6810	7280
UN38179	Rsa1.0.13819.1	698	4264	0	497	512	97 -	1	511	1651	2159

UN38180	Rsa1.0.01156.1	637	52147	1.00E-143	326	345	94 -	1	338	38844	39186
UN38181	Rsa1.0.01301.1	1176	169072	0	510	511	99 +	1	511	47364	47874
UN38182	Rsa1.0.00020.1	776	283099	0	766	773	99 -	3	775	59129	59900
UN38183	Rsa1.0.00343.1	1157	93570	0	433	449	96 -	693	1138	4591	5039
UN38184	Rsa1.0.01668.1	669	41299	0	645	670	96 +	2	669	13930	14590
UN38185	Rsa1.0.00031.1	984	179862	0	473	473	100 +	510	982	55124	55596
UN38186	Rsa1.0.03184.1	1235	24750	1.00E-152	306	315	97 -	2	316	17085	17395
UN38187	Rsa1.0.03616.1	937	21756	0	407	411	99 -	294	704	9082	9492
UN38188	Rsa1.0.03521.1	1129	396204	0	479	488	98 +	473	960	15137	15624
UN38189	Rsa1.0.00101.1	1106	267193	0	703	703	100 +	9	711	194394	195096
UN38190	Rsa1.0.00017.1	1073	752458	1.00E-114	401	460	87 -	461	894	717709	718168
UN38191	Rsa1.0.02210.1	952	33857	0	571	573	99 -	377	949	2695	3267
UN38192	Rsa1.0.00079.1	967	606987	1.00E-159	310	316	98 +	616	930	190876	191190
UN38193	Rsa1.0.00041.1	866	186197	1.00E-134	310	331	93 -	536	866	168140	168459
UN38194	Rsa1.0.02246.1	971	33435	1.00E-179	358	371	96 +	2	372	4757	5127
UN38195	Rsa1.0.01727.1	1221	40243	0	372	375	99 -	847	1221	11142	11516
UN38196	Rsa1.0.02043.1	780	163754	0	501	510	98 -	271	780	143816	144322
UN38197	Rsa1.0.06482.1	976	10937	1.00E-107	214	218	98 +	520	736	5002	5219
UN38198	Rsa1.0.00123.1	741	325650	1.00E-107	303	342	88 +	410	741	128148	128468
UN38199	Rsa1.0.11532.1	1014	5477	7.00E-95	180	181	99 +	309	489	4712	4892
UN38200	Rsa1.0.02756.1	744	28202	1.00E-161	309	316	97 -	294	609	22631	22946
UN38201	Rsa1.0.01783.1	428	39383	1.00E-177	344	354	97 +	1	354	33833	34186
UN38202	Rsa1.0.00867.1	653	61635	1.00E-147	341	361	94 +	289	647	19660	20014
UN38203	Rsa1.0.00436.1	866	85008	1.00E-119	241	249	96 +	1	249	32925	33173
UN38204	Rsa1.0.00055.1	771	520193	1.00E-138	292	304	96 +	139	438	5829	6132
UN38205	Rsa1.0.01855.1	757	38204	1.00E-147	464	522	88 -	93	589	12699	13211
UN38206	Rsa1.0.04156.1	1027	18799	1.00E-123	265	275	96 +	2	275	15227	15498
UN38207	Rsa1.0.00058.1	670	159921	0	441	446	98 +	225	668	135516	135961
UN38208	Rsa1.0.00295.1	694	152597	1.00E-150	309	321	96 +	377	694	49059	49376
UN38209	Rsa1.0.00188.1	1069	112020	0	460	460	100 +	444	903	74179	74638
UN38210	Rsa1.0.00069.1	816	403561	0	444	464	95 -	2	465	162099	162559
UN38211	Rsa1.0.00055.1	697	520193	2.00E-91	187	191	97 +	387	576	211948	212138
UN38212	Rsa1.0.01251.1	1112	49873	0	676	706	95 +	3	708	1007	1712
UN38213	Rsa1.0.01400.1	888	46560	0	347	355	97 -	182	536	822	1176
UN38214	Rsa1.0.00260.1	760	102021	0	409	419	97 +	236	653	72077	72495
UN38215	Rsa1.0.00937.1	354	59061	1.00E-127	250	254	98 -	1	251	14115	14368
UN38216	Rsa1.0.01026.1	311	171624	1.00E-75	196	215	91 +	88	302	33486	33685
UN38217	Rsa1.0.04806.1	1137	15898	1.00E-143	307	320	95 +	651	966	1095	1413
UN38218	Rsa1.0.00128.1	835	228675	1.00E-160	316	325	97 +	122	446	116359	116680

UN38219	Rsa1.0.00075.1	1030	146680	1.00E-123	254	263	96 +	758	1020	69234	69494
UN38220	Rsa1.0.03546.1	756	22172	0	388	394	98 -	1	394	14336	14728
UN38221	Rsa1.0.01298.1	1130	48999	7.00E-58	259	303	85 -	818	1115	42758	43052
UN38222	Rsa1.0.02036.1	751	35731	1.00E-101	187	187	100 +	145	331	6103	6289
UN38223	Rsa1.0.01935.1	1166	37152	0	505	520	97 +	646	1165	21610	22128
UN38224	Rsa1.0.00294.1	927	144860	1.00E-157	281	281	100 +	271	551	38794	39074
UN38225	Rsa1.0.04578.1	931	16774	9.00E-91	176	178	98 +	675	852	14218	14395
UN38226	Rsa1.0.00251.1	852	303968	0	843	850	99 -	1	850	139247	140096
UN38227	Rsa1.0.00619.1	737	71985	0	711	740	96 -	1	735	67205	67944
UN38228	Rsa1.0.03759.1	1222	20987	0	719	763	94 -	1	741	5009	5764
UN38229	Rsa1.0.00399.1	538	242951	1.00E-178	326	329	99 +	209	537	79753	80081
UN38230	Rsa1.0.06206.1	716	11494	2.33E-156	349	381	91 +	43	404	9201	9581
UN38231	Rsa1.0.04630.1	758	16595	0	516	528	97 -	231	758	13496	14023
UN38232	Rsa1.0.00600.1	1107	73395	0	420	437	96 -	531	967	29420	29856
UN38233	Rsa1.0.00360.1	1106	91190	1.00E-164	297	298	99 +	624	921	2261	2558
UN38234	Rsa1.0.01946.1	1131	36982	0	651	676	96 -	454	1116	35216	35891
UN38235	Rsa1.0.08395.1	1505	7428	0	722	746	96 -	449	1194	1407	2152
UN38236	Rsa1.0.01251.1	1043	49873	3.00E-88	200	210	95 -	486	694	48822	49031
UN38237	Rsa1.0.03560.1	660	22092	1.00E-134	288	303	95 -	209	511	6156	6458
UN38238	Rsa1.0.06148.1	1178	11616	0	1121	1181	94 -	11	1178	3932	5108
UN38239	Rsa1.0.01146.1	1131	163455	0	460	476	96 +	1	476	159533	160008
UN38240	Rsa1.0.00042.1	1144	171507	0	1067	1091	97 +	1	1083	50395	51485
UN38241	Rsa1.0.03964.1	915	19835	1.00E-154	345	368	93 -	68	435	5629	5996
UN38242	Rsa1.0.00058.1	697	159921	0	396	413	95 +	244	656	135526	135938
UN38243	Rsa1.0.00134.1	1022	390219	0	398	415	95 -	1	414	5772	6178
UN38244	Rsa1.0.00439.1	1682	142776	0	1202	1259	95 -	1	1250	122840	124082
UN38245	Rsa1.0.04823.1	944	15840	1.00E-135	282	294	95 -	644	934	11446	11739
UN38246	Rsa1.0.00251.1	1241	303968	1.00E-142	358	390	91 +	1	387	55603	55975
UN38247	Rsa1.0.06148.1	950	11616	0	842	912	92 -	50	948	3798	4696
UN38248	Rsa1.0.00577.1	1204	174827	9.00E-70	138	139	99 -	133	271	173422	173560
UN38249	Rsa1.0.07604.1	579	9041	0	514	529	97 +	18	545	3121	3647
UN38250	Rsa1.0.01857.1	1269	38103	0	829	850	97 +	1	850	25078	25927
UN38251	Rsa1.0.00044.1	1023	271658	0	716	770	92 +	197	944	164316	165083
UN38252	Rsa1.0.02412.1	1186	31643	1.00E-172	359	374	95 -	814	1184	12900	13273
UN38253	Rsa1.0.00058.1	1289	159921	1.00E-124	302	327	92 -	522	848	120961	121287
UN38254	Rsa1.0.00092.1	1200	659932	1.00E-22	80	88	90 -	827	914	439324	439411
UN38255	Rsa1.0.02883.1	669	27035	1.00E-168	312	316	98 +	2	317	7186	7501
UN38256	Rsa1.0.02222.1	848	152798	0	425	437	97 -	332	767	10966	11402
UN38257	Rsa1.0.07795.1	1138	8543	0	919	945	97 +	30	973	3276	4220

UN38258	Rsa1.0.03569.1	847	22041	1.00E-166	433	468	92 -	386	846	12462	12922
UN38259	Rsa1.0.07829.1	1252	8462	1.00E-130	319	350	91 +	836	1180	4627	4961
UN38260	Rsa1.0.01513.1	1018	44234	1.00E-113	344	386	89 +	624	1003	20355	20727
UN38261	Rsa1.0.00167.1	1165	116000	0	465	470	98 +	697	1164	17177	17646
UN38262	Rsa1.0.00134.1	842	390219	1.00E-159	308	315	97 -	81	392	178041	178355
UN38263	Rsa1.0.04429.1	976	17393	1.00E-125	259	269	96 +	337	605	11732	11997
UN38264	Rsa1.0.00583.1	939	74309	0	560	569	98 -	371	939	59417	59985
UN38265	Rsa1.0.00865.1	766	61686	1.00E-135	313	336	93 +	436	765	9542	9877
UN38266	Rsa1.0.01957.1	869	36844	0	499	515	96 +	26	535	24120	24629
UN38267	Rsa1.0.01167.1	784	51859	0	525	531	98 -	1	529	3492	4022
UN38268	Rsa1.0.00473.1	975	212204	1.00E-114	237	245	96 -	70	313	44099	44343
UN38269	Rsa1.0.00146.1	986	149343	1.00E-111	300	329	91 +	1	316	69140	69464
UN38270	Rsa1.0.00335.1	1262	94371	0	936	970	96 +	1	970	10669	11633
UN38271	Rsa1.0.01166.1	1123	51877	0	602	607	99 +	3	608	24337	24943
UN38272	Rsa1.0.05725.1	1401	12809	0	447	466	95 +	370	828	216	680
UN38273	Rsa1.0.08332.1	782	7528	0	574	590	97 +	2	589	4139	4728
UN38274	Rsa1.0.00124.1	989	262503	0	745	769	96 +	221	989	194245	195007
UN38275	Rsa1.0.00348.1	1255	92818	0	1208	1255	96 -	4	1254	32512	33765
UN38276	Rsa1.0.00422.1	253	86144	1.00E-96	206	213	96 +	1	213	82939	83147
UN38277	Rsa1.0.02309.1	768	32744	1.00E-135	280	290	96 +	1	286	19065	19353
UN38278	Rsa1.0.04538.1	682	16940	6.00E-85	190	196	96 -	3	196	13826	14020
UN38279	Rsa1.0.02975.1	713	26322	0	681	712	95 +	3	711	23704	24410
UN38280	Rsa1.0.01484.1	517	44806	1.00E-129	246	250	98 -	1	250	28137	28386
UN38281	Rsa1.0.01390.1	474	46695	1.00E-133	343	374	91 -	1	372	36004	36358
UN38282	Rsa1.0.00329.1	1298	222544	0	338	343	98 -	3	345	129584	129926
UN38283	Rsa1.0.00017.1	816	752458	1.00E-98	201	207	97 +	502	708	644525	644731
UN38284	Rsa1.0.00556.1	1304	207212	0	495	524	94 -	786	1302	193417	193935
UN38285	#	#	#	#	#	#	#	#	#	#	#
UN38286	Rsa1.0.00288.1	965	98659	1.00E-156	366	393	93 +	194	574	82915	83305
UN38287	Rsa1.0.05981.1	756	12043	1.00E-162	317	326	97 -	428	753	7311	7636
UN38288	Rsa1.0.17780.1	1261	1742	1.00E-127	282	294	95 +	2	293	1093	1383
UN38289	Rsa1.0.00060.1	795	502678	0	464	483	96 +	2	484	371602	372079
UN38290	Rsa1.0.05707.1	911	12872	0	499	513	97 -	399	911	12360	12872
UN38291	Rsa1.0.01256.1	967	49770	1.00E-15	63	68	92 -	565	632	29391	29457
UN38292	Rsa1.0.00037.1	890	307838	0	392	404	97 +	488	890	252726	253128
UN38293	Rsa1.0.04282.1	1149	18100	0	845	905	93 -	247	1145	14107	15006
UN38294	Rsa1.0.02808.1	1110	27677	1.00E-101	306	345	88 +	31	372	17280	17614
UN38295	Rsa1.0.00832.1	1014	62622	1.00E-132	285	295	96 -	2	293	15429	15722
UN38296	Rsa1.0.06072.1	870	11811	0	496	533	93 +	3	532	11168	11690

UN38297	Rsa1.0_04910.1	1014	15484	1.00E-176	332	337	98 -	676	1012	9169	9504
UN38298	Rsa1.0_04022.1	593	19534	0	447	450	99 +	143	592	6621	7070
UN38299	Rsa1.0_00040.1	656	324196	1.00E-152	313	327	95 -	77	396	163649	163975
UN38300	Rsa1.0_00136.1	887	122464	0	739	742	99 -	1	740	8480	9221
UN38301	Rsa1.0_00126.1	1128	127534	0	494	496	99 -	64	559	41116	41611
UN38302	Rsa1.0_00006.1	578	396176	0	556	580	95 -	5	578	18572	19151
UN38303	Rsa1.0_02927.1	826	26698	0	511	512	99 +	1	512	8625	9136
UN38304	Rsa1.0_00622.1	903	71822	0	600	625	96 -	1	619	60810	61433
UN38305	Rsa1.0_00463.1	937	189177	0	548	556	98 -	366	921	115738	116293
UN38306	Rsa1.0_00034.1	806	260119	4.00E-74	145	146	99 -	1	146	6565	6710
UN38307	Rsa1.0_03263.1	933	24268	0	905	926	97 +	1	925	21907	22829
UN38308	Rsa1.0_00023.1	798	194764	0	752	780	96 -	19	798	52380	53142
UN38309	Rsa1.0_00065.1	1017	454616	0	473	473	100 -	415	887	207651	208123
UN38310	Rsa1.0_03414.1	846	23125	0	604	623	96 +	2	624	13638	14258
UN38311	Rsa1.0_00976.1	728	57809	0	422	433	97 +	295	727	15917	16349
UN38312	Rsa1.0_02871.1	578	27085	1.00E-148	344	365	94 +	2	364	564	925
UN38313	Rsa1.0_04881.1	814	15608	1.00E-164	367	389	94 -	1	389	7577	7963
UN38314	Rsa1.0_02937.1	745	26605	1.00E-138	358	391	91 -	363	744	25436	25825
UN38315	Rsa1.0_00170.1	934	179538	1.00E-171	332	342	97 -	593	934	57828	58161
UN38316	Rsa1.0_05963.1	596	12090	1.00E-133	248	249	99 -	2	250	3256	3503
UN38317	Rsa1.0_00366.1	828	90880	0	421	435	96 +	393	827	37810	38244
UN38318	Rsa1.0_03323.1	850	23751	1.00E-117	227	231	98 +	2	232	10670	10900
UN38319	Rsa1.0_01561.1	822	43227	1.00E-137	370	409	90 +	1	393	37830	38234
UN38320	Rsa1.0_03307.1	1301	23872	0	381	393	96 -	4	395	17877	18266
UN38321	Rsa1.0_03425.1	756	23043	0	659	667	98 -	88	754	21431	22097
UN38322	Rsa1.0_04630.1	785	16595	0	413	428	96 -	358	784	13466	13893
UN38323	Rsa1.0_27336.1	1125	857	1.00E-129	267	277	96 +	383	659	5	278
UN38324	Rsa1.0_18790.1	1064	1533	0	914	957	95 -	1	937	528	1478
UN38325	Rsa1.0_00912.1	1328	59923	0	752	794	94 -	2	792	47347	48128
UN38326	Rsa1.0_04422.1	1331	17423	0	595	596	99 +	1	596	4756	5351
UN38327	Rsa1.0_01244.1	1030	50061	0	416	448	92 -	3	429	27345	27789
UN38328	Rsa1.0_01090.1	1421	54385	0	700	734	95 -	1	728	28191	28922
UN38329	Rsa1.0_02431.1	746	31504	1.00E-157	397	424	93 -	8	427	2926	3343
UN38330	Rsa1.0_01913.1	544	37363	0	494	543	90 +	2	544	24171	24678
UN38331	Rsa1.0_01179.1	519	51549	0	486	516	94 -	16	519	17592	18106
UN38332	Rsa1.0_00421.1	1465	86365	2.00E-86	178	183	97 +	795	977	37110	37292
UN38333	Rsa1.0_02750.1	814	28239	1.00E-124	242	246	98 -	425	669	16978	17223
UN38334	Rsa1.0_00479.1	781	81377	0	765	778	98 +	3	780	62298	63072
UN38335	Rsa1.0_00347.1	737	93048	0	672	689	97 -	49	736	80611	81296

UN38336	Rsa1.0.00736.1	519	66455	0	469	487	96 -	34	516	57629	58114
UN38337	Rsa1.0.09897.1	1291	6100	0	1142	1185	96 -	22	1191	4006	5184
UN38338	Rsa1.0.01430.1	612	46034	0	381	389	97 +	222	610	20236	20624
UN38339	Rsa1.0.04483.1	362	17174	6.00E-99	195	199	97 +	6	204	9891	10089
UN38340	Rsa1.0.00524.1	654	169613	0	413	423	97 -	1	423	141781	142202
UN38341	Rsa1.0.00472.1	821	398134	1.00E-122	243	250	97 +	424	673	271666	271915
UN38342	Rsa1.0.01388.1	1160	46741	0	489	525	93 -	5	524	29300	29814
UN38343	Rsa1.0.00083.1	716	442773	7.00E-94	208	215	96 +	3	215	407633	407846
UN38344	Rsa1.0.00996.1	1108	57222	0	356	363	98 +	744	1106	53540	53902
UN38345	Rsa1.0.00686.1	912	68511	0	908	912	99 +	1	912	60294	61204
UN38346	Rsa1.0.00275.1	958	210104	1.00E-156	345	363	95 +	66	427	149312	149671
UN38347	Rsa1.0.00826.1	995	166736	1.00E-135	277	286	96 -	349	631	156199	156483
UN38348	Rsa1.0.00486.1	660	80875	1.00E-149	280	284	98 +	363	646	62345	62628
UN38349	Rsa1.0.03483.1	868	22621	1.00E-109	210	213	98 +	2	214	18446	18658
UN38350	Rsa1.0.13789.1	823	4332	0	570	577	98 +	247	822	3288	3864
UN38351	#	#	#	#	#	#	#	#	#	#	#
UN38352	Rsa1.0.00005.1	840	353093	0	799	843	94 +	1	838	300310	301143
UN38353	Rsa1.0.04808.1	519	15893	1.00E-122	229	231	99 -	287	517	4948	5178
UN38354	Rsa1.0.01004.1	824	56975	0	486	489	99 +	339	824	3551	4039
UN38355	Rsa1.0.24446.1	789	987	1.00E-121	325	367	88 -	355	699	49	400
UN38356	Rsa1.0.00464.1	801	82253	1.00E-126	308	338	91 -	1	338	61933	62254
UN38357	Rsa1.0.00124.1	875	262503	0	745	778	95 -	55	831	86565	87340
UN38358	Rsa1.0.00341.1	882	249309	2.33E-156	325	345	94 -	80	424	208697	209038
UN38359	Rsa1.0.07824.1	1103	8467	0	659	689	95 +	3	690	291	979
UN38360	Rsa1.0.08259.1	485	7641	2.00E-84	194	205	94 +	51	255	6833	7034
UN38361	Rsa1.0.01616.1	720	42137	0	538	557	96 -	1	557	478	1027
UN38362	Rsa1.0.10640.1	835	5772	1.00E-166	392	422	92 -	425	835	1910	2328
UN38363	Rsa1.0.00058.1	773	159921	1.00E-152	312	325	96 +	392	716	120963	121287
UN38364	Rsa1.0.02254.1	774	33344	0	336	337	99 +	1	337	73	409
UN38365	Rsa1.0.02507.1	845	30696	1.00E-104	230	239	96 -	607	844	15178	15413
UN38366	Rsa1.0.00611.1	941	72410	0	480	491	97 +	450	940	6791	7281
UN38367	Rsa1.0.00545.1	656	189649	0	487	504	96 -	155	656	44746	45243
UN38368	Rsa1.0.00018.1	843	410899	0	478	499	95 +	341	836	51112	51608
UN38369	Rsa1.0.15860.1	696	2385	1.00E-116	234	241	97 -	452	692	1161	1401
UN38370	Rsa1.0.00031.1	730	179862	0	361	363	99 +	1	363	117362	117724
UN38371	Rsa1.0.00869.1	773	61627	1.00E-131	285	301	94 +	479	773	42825	43125
UN38372	Rsa1.0.00165.1	800	116466	1.00E-122	244	251	97 -	94	344	95256	95506
UN38373	Rsa1.0.00278.1	666	231896	0	442	472	93 -	1	471	23956	24403
UN38374	Rsa1.0.00836.1	752	185968	1.00E-145	261	261	100 -	326	586	142041	142301

UN38375	Rsa1.0.00604.1	726	146282	7.00E-91	179	182	98 -	1	182	82213	82394
UN38376	Rsa1.0.00390.1	633	88681	1.00E-124	228	229	99 -	311	539	35102	35330
UN38377	Rsa1.0.01035.1	981	56019	0	886	979	90 -	1	973	43920	44888
UN38378	Rsa1.0.00236.1	998	104771	0	501	518	96 +	228	744	49907	50424
UN38379	Rsa1.0.08840.1	912	6871	0	637	656	97 -	259	910	4213	4864
UN38380	Rsa1.0.02080.1	261	35297	1.00E-117	250	261	95 +	2	261	20180	20440
UN38381	Rsa1.0.00423.1	623	86138	0	406	424	95 -	205	623	38227	38646
UN38382	Rsa1.0.00304.1	1120	97429	1.00E-102	225	237	94 -	387	623	25354	25590
UN38383	Rsa1.0.04629.1	739	16595	4.00E-77	167	171	97 +	537	705	8842	9012
UN38384	Rsa1.0.00154.1	1157	189461	0	507	558	90 +	628	1157	21595	22148
UN38385	Rsa1.0.00020.1	789	283099	0	762	810	94 +	2	789	74741	75548
UN38386	Rsa1.0.00633.1	824	71250	0	395	403	98 -	416	818	4702	5104
UN38387	Rsa1.0.28235.1	795	823	0	469	480	97 +	313	791	1	475
UN38388	Rsa1.0.03107.1	979	25349	1.00E-101	307	340	90 -	637	970	14762	15097
UN38389	Rsa1.0.00409.1	531	146788	1.00E-131	252	257	98 -	173	429	90528	90784
UN38390	Rsa1.0.00045.1	702	328694	1.00E-180	353	364	96 +	3	366	15047	15410
UN38391	Rsa1.0.06619.1	493	10650	1.00E-100	259	283	91 -	221	493	4511	4790
UN38392	Rsa1.0.00593.1	617	143463	1.00E-159	326	336	97 -	217	550	2923	3257
UN38393	Rsa1.0.01506.1	621	44370	1.00E-166	309	313	98 -	307	619	3084	3396
UN38394	Rsa1.0.00386.1	1017	89134	6.00E-89	185	191	96 +	707	897	29431	29621
UN38395	Rsa1.0.03593.1	740	21869	1.00E-163	385	416	92 -	320	735	2186	2601
UN38396	Rsa1.0.00744.1	673	66084	8.00E-72	150	154	97 -	168	321	48388	48541
UN38397	Rsa1.0.01180.1	921	51517	0	655	663	98 -	4	661	45916	46578
UN38398	Rsa1.0.00622.1	1097	71822	0	790	790	100 -	1	790	60856	61645
UN38399	Rsa1.0.00243.1	1094	103651	1.00E-74	170	178	95 -	2	179	26911	27086
UN38400	Rsa1.0.00286.1	1025	98709	1.00E-114	212	213	99 -	462	674	60573	60785
UN38401	Rsa1.0.06056.1	815	137271	0	394	414	95 -	285	695	128425	128838
UN38402	Rsa1.0.01726.1	1016	40263	0	388	398	97 -	1	398	28264	28660
UN38403	Rsa1.0.00199.1	797	249604	0	377	384	98 +	1	383	12895	13278
UN38404	Rsa1.0.03081.1	821	25523	1.00E-128	251	257	97 -	450	706	20848	21104
UN38405	Rsa1.0.00111.1	697	390088	1.00E-144	263	264	99 -	7	270	373311	373574
UN38406	Rsa1.0.01576.1	1220	42923	1.00E-127	249	254	98 -	563	816	24402	24653
UN38407	#	#	#	#	#	#	#	#	#	#	#
UN38408	Rsa1.0.00017.1	822	752458	1.00E-127	237	239	99 +	418	656	351264	351502
UN38409	Rsa1.0.00999.1	1115	57162	0	598	618	96 +	1	618	24782	25399
UN38410	Rsa1.0.00127.1	1232	127446	0	467	475	98 -	759	1232	79053	79527
UN38411	Rsa1.0.01414.1	700	149508	1.00E-126	238	241	98 +	441	681	17288	17528
UN38412	Rsa1.0.01588.1	1117	42724	0	409	415	98 +	42	454	10075	10489
UN38413	Rsa1.0.00336.1	631	445051	0	622	631	98 -	1	631	41231	41861

UN38414	Rsa1.0_00863.1	748	254535	0	561	600	93 +	159	743	109790	110385
UN38415	Rsa1.0_02026.1	727	35896	0	376	387	97 +	193	579	22147	22533
UN38416	Rsa1.0_15087.1	768	2842	3.00E-93	201	210	95 +	2	211	2492	2701
UN38417	Rsa1.0_07474.1	717	9294	0	677	706	95 -	2	705	5431	6135
UN38418	Rsa1.0_02299.1	1220	32857	0	354	356	99 +	1	356	1543	1898
UN38419	Rsa1.0_00387.1	744	495407	1.00E-173	437	474	92 +	29	498	354531	354981
UN38420	Rsa1.0_00224.1	809	327530	1.00E-129	240	242	99 -	419	660	44232	44473
UN38421	Rsa1.0_01081.1	685	499226	0	491	499	98 -	1	499	322635	323133
UN38422	Rsa1.0_00044.1	812	271658	0	447	473	94 +	2	468	157790	158261
UN38423	Rsa1.0_00085.1	758	142226	0	377	377	100 -	1	377	23242	23618
UN38424	Rsa1.0_02906.1	683	26866	0	388	389	99 -	1	389	23940	24328
UN38425	Rsa1.0_02008.1	821	36109	0	611	612	99 -	1	612	19767	20378
UN38426	Rsa1.0_03020.1	1165	25984	0	1042	1044	99 -	123	1165	1462	2505
UN38427	Rsa1.0_01112.1	888	310601	7.00E-70	197	214	92 +	3	207	290260	290473
UN38428	Rsa1.0_02396.1	1123	31783	0	423	438	96 +	585	1022	16638	17072
UN38429	Rsa1.0_00878.1	1014	330303	1.00E-59	145	153	94 -	241	393	113643	113793
UN38430	Rsa1.0_00418.1	803	215377	1.00E-15	60	64	93 +	736	798	200009	200072
UN38431	Rsa1.0_05725.1	738	12809	9.00E-75	149	151	98 -	422	572	772	922
UN38432	Rsa1.0_01196.1	1012	51097	1.00E-177	336	343	97 -	670	1012	2568	2910
UN38433	Rsa1.0_00312.1	470	96765	0	336	340	98 +	1	340	13970	14309
UN38434	Rsa1.0_04823.1	1275	15840	0	597	615	97 -	656	1267	11427	12039
UN38435	Rsa1.0_00061.1	808	218685	0	559	569	98 +	125	693	99301	99865
UN38436	Rsa1.0_00326.1	870	171955	0	653	655	99 +	211	864	45447	46101
UN38437	Rsa1.0_02735.1	1021	28344	0	839	867	96 +	114	974	12732	13598
UN38438	Rsa1.0_00025.1	708	277312	1.00E-151	280	283	98 +	290	572	60785	61067
UN38439	Rsa1.0_00478.1	981	81419	0	936	983	95 +	2	981	68704	69676
UN38440	Rsa1.0_00201.1	1311	232851	0	1276	1323	96 -	3	1308	87175	88497
UN38441	Rsa1.0_00098.1	719	349239	1.00E-105	212	218	97 -	310	527	315176	315393
UN38442	Rsa1.0_00017.1	712	752458	1.00E-160	319	332	96 +	13	332	204584	204915
UN38443	Rsa1.0_00123.1	948	325650	0	839	887	94 -	12	894	230064	230947
UN38444	Rsa1.0_03252.1	834	24338	0	484	490	98 +	2	491	344	833
UN38445	Rsa1.0_05241.1	1070	14405	0	381	395	96 -	676	1070	3031	3421
UN38446	Rsa1.0_02695.1	1154	28605	0	617	636	97 -	520	1154	8142	8777
UN38447	Rsa1.0_01356.1	896	47287	0	772	808	95 -	91	896	8248	9053
UN38448	Rsa1.0_00019.1	1085	301669	1.00E-105	197	198	99 -	834	1031	181302	181499
UN38449	Rsa1.0_00008.1	1047	358124	0	517	518	99 -	530	1047	232018	232535
UN38450	Rsa1.0_01041.1	742	55910	0	424	425	99 -	6	430	9579	10003
UN38451	Rsa1.0_03688.1	1433	143676	1.00E-114	236	245	96 -	1178	1422	3875	4119
UN38452	Rsa1.0_09625.1	559	6245	1.00E-122	295	314	93 -	248	558	1050	1361

UN38453	Rsa1.0_00027.1	1240	283362	0	507	519	97 -	332	850	51034	51552
UN38454	Rsa1.0_00179.1	1539	393324	0	499	512	97 +	818	1329	211561	212072
UN38455	Rsa1.0_00100.1	1082	249232	0	556	579	96 -	379	957	183048	183626
UN38456	Rsa1.0_00813.1	1193	63202	0	1145	1192	96 -	3	1191	38614	39801
UN38457	Rsa1.0_01963.1	763	36719	1.00E-143	291	301	96 -	464	762	22237	22537
UN38458	Rsa1.0_00402.1	1285	385315	1.00E-168	372	393	94 +	845	1231	267425	267812
UN38459	Rsa1.0_01669.1	1176	41286	0	549	552	99 -	625	1176	11499	12050
UN38460	Rsa1.0_04991.1	1024	15215	1.00E-123	287	308	93 -	713	1017	99	398
UN38461	Rsa1.0_01613.1	1061	182542	1.00E-108	211	215	98 +	39	253	27799	28013
UN38462	Rsa1.0_00183.1	703	113277	1.00E-174	316	318	99 -	384	701	69845	70162
UN38463	Rsa1.0_00321.1	1068	95671	1.00E-141	286	296	96 +	270	561	59741	60036
UN38464	Rsa1.0_02074.1	1246	35370	1.00E-114	219	222	98 +	241	462	9790	10011
UN38465	Rsa1.0_01164.1	812	51934	8.00E-88	214	229	93 +	23	245	41766	41994
UN38466	Rsa1.0_00738.1	953	66322	1.00E-127	395	444	88 +	511	953	17969	18395
UN38467	Rsa1.0_01530.1	954	43820	6.00E-58	142	151	94 -	279	429	20950	21100
UN38468	Rsa1.0_01907.1	1212	37431	0	516	528	97 +	687	1212	17829	18356
UN38469	Rsa1.0_02729.1	972	28394	0	572	601	95 +	382	970	17109	17709
UN38470	Rsa1.0_00273.1	816	326186	1.00E-95	216	229	94 -	239	467	10008	10230
UN38471	Rsa1.0_00065.1	886	454616	1.00E-171	378	398	94 -	496	886	249011	249408
UN38472	Rsa1.0_00270.1	963	101236	1.00E-138	345	373	92 -	10	379	65636	66007
UN38473	Rsa1.0_00930.1	772	59224	7.00E-79	209	230	90 -	509	738	52077	52297
UN38474	Rsa1.0_00021.1	1176	263655	1.00E-121	234	238	98 -	343	580	18708	18945
UN38475	Rsa1.0_00581.1	680	163575	0	621	652	95 +	3	654	5298	5949
UN38476	Rsa1.0_01537.1	678	187285	0	404	417	96 -	197	613	165561	165977
UN38477	Rsa1.0_00053.1	891	263459	0	389	406	95 +	488	891	160252	160656
UN38478	Rsa1.0_00006.1	865	396176	0	445	462	96 +	406	865	210887	211347
UN38479	Rsa1.0_00555.1	1084	75920	0	506	537	94 -	257	790	2504	3040
UN38480	Rsa1.0_00195.1	987	251884	0	838	867	96 +	118	979	233846	234710
UN38481	Rsa1.0_00498.1	711	79746	0	697	711	98 -	3	706	50238	50947
UN38482	Rsa1.0_00123.1	1026	325650	1.00E-100	204	210	97 -	1	210	4469	4678
UN38483	Rsa1.0_03828.1	945	20588	0	679	699	97 +	227	925	14875	15572
UN38484	Rsa1.0_01602.1	1440	42503	0	424	443	95 -	249	691	10730	11172
UN38485	Rsa1.0_01579.1	795	42860	0	469	487	96 +	307	793	23243	23721
UN38486	Rsa1.0_00116.1	1042	365886	1.00E-111	222	228	97 -	280	507	168038	168265
UN38487	Rsa1.0_00028.1	1370	293984	0	1323	1367	96 -	3	1369	230301	231665
UN38488	Rsa1.0_00829.1	926	158305	0	537	552	97 +	3	546	39868	40419
UN38489	Rsa1.0_00132.1	715	124299	1.00E-174	339	348	97 -	176	523	91186	91530
UN38490	Rsa1.0_31905.1	714	715	0	333	333	100 +	1	333	383	715
UN38491	Rsa1.0_13693.1	773	4469	0	706	759	93 -	23	773	3246	3997

UN38492	Rsa1.0.00029.1	1141	272992	0	616	641	96 +	503	1141	3110	3744
UN38493	Rsa1.0.01286.1	915	49209	0	446	461	96 -	15	474	25577	26036
UN38494	Rsa1.0.00575.1	1089	74791	0	404	413	97 +	666	1076	21031	21443
UN38495	Rsa1.0.02634.1	769	29299	0	437	442	98 +	328	769	16745	17186
UN38496	Rsa1.0.00293.1	1085	339294	0	498	519	95 +	1	519	313981	314499
UN38497	Rsa1.0.00739.1	1005	66155	1.00E-172	307	307	100 -	698	1004	41995	42301
UN38498	Rsa1.0.02668.1	561	28895	1.00E-101	187	187	100 +	347	533	11051	11237
UN38499	Rsa1.0.04948.1	868	15356	0	695	698	99 -	3	700	12946	13643
UN38500	Rsa1.0.00369.1	898	266462	0	486	490	99 +	407	896	180846	181333
UN38501	Rsa1.0.02074.1	695	35370	0	651	688	94 +	1	688	29419	30103
UN38502	Rsa1.0.00516.1	1237	78417	1.00E-164	299	301	99 -	935	1235	45629	45929
UN38503	Rsa1.0.00224.1	1076	327530	0	1066	1092	97 +	2	1075	227300	228391
UN38504	Rsa1.0.00125.1	1350	253043	1.00E-161	304	309	98 -	647	955	20060	20368
UN38505	Rsa1.0.00984.1	1298	57580	0	886	889	99 -	2	889	4416	5304
UN38506	Rsa1.0.00931.1	831	59210	0	719	739	97 -	93	831	19167	19895
UN38507	Rsa1.0.00681.1	774	68779	0	419	421	99 -	354	774	26846	27266
UN38508	Rsa1.0.00706.1	813	291570	1.00E-158	329	345	95 -	476	813	51663	52007
UN38509	Rsa1.0.00100.1	848	249232	0	363	369	98 -	479	847	186132	186500
UN38510	Rsa1.0.08841.1	632	6870	0	509	514	99 +	118	631	1013	1526
UN38511	Rsa1.0.00451.1	703	322533	0	439	447	98 +	2	447	247455	247901
UN38512	Rsa1.0.00321.1	817	95671	1.00E-175	329	334	98 +	3	333	63115	63448
UN38513	Rsa1.0.00021.1	889	263655	1.00E-123	234	237	98 +	531	767	18708	18944
UN38514	Rsa1.0.02992.1	743	26176	1.00E-159	288	289	99 +	310	598	20329	20617
UN38515	Rsa1.0.01958.1	1439	261128	2.00E-80	182	191	95 -	1247	1437	253786	253973
UN38516	Rsa1.0.00310.1	819	96852	0	781	812	96 -	3	814	12952	13763
UN38517	Rsa1.0.00058.1	893	159921	1.00E-144	308	325	94 -	525	836	120963	121287
UN38518	Rsa1.0.00128.1	743	228675	0	403	423	95 -	321	743	80521	80931
UN38519	Rsa1.0.00344.1	891	191774	1.00E-124	244	250	97 +	469	718	182012	182261
UN38520	Rsa1.0.00176.1	625	240984	0	421	442	95 -	187	625	1820	2261
UN38521	#	#	#	#	#	#	#	#	#	#	#
UN38522	Rsa1.0.00329.1	605	222544	1.00E-137	340	363	93 +	8	367	64082	64440
UN38523	Rsa1.0.02769.1	477	28107	1.00E-150	275	277	99 +	1	277	20965	21241
UN38524	Rsa1.0.00727.1	664	66724	0	457	478	95 +	195	664	6587	7064
UN38525	Rsa1.0.00190.1	604	318240	0	573	598	95 +	9	604	93218	93811
UN38526	Rsa1.0.03832.1	1080	20577	0	456	477	95 +	100	576	8373	8849
UN38527	Rsa1.0.00035.1	766	176449	0	630	638	98 -	1	638	90394	91031
UN38528	Rsa1.0.05654.1	940	13042	0	495	503	98 -	321	823	8195	8697
UN38529	Rsa1.0.03407.1	985	23154	1.00E-138	250	250	100 +	3	252	3668	3917
UN38530	Rsa1.0.01381.1	559	46908	2.33E-156	309	323	95 +	3	325	34568	34889

UN38531	Rsa1.0.00427.1	1167	189678	0	926	965	95 -	205	1167	32841	33793
UN38532	Rsa1.0.06403.1	882	11078	1.00E-164	375	403	93 -	44	434	298	700
UN38533	Rsa1.0.00750.1	322	190548	1.00E-179	318	318	100 -	5	322	144360	144677
UN38534	Rsa1.0.03192.1	862	24695	0	858	861	99 +	2	862	11316	12176
UN38535	Rsa1.0.04179.1	367	18633	0	358	367	97 -	1	367	16947	17313
UN38536	Rsa1.0.00916.1	849	59789	0	518	529	97 -	2	527	15473	16000
UN38537	Rsa1.0.01960.1	745	36766	1.00E-134	252	254	99 -	492	745	32753	33005
UN38538	Rsa1.0.00653.1	754	70029	0	744	751	99 -	5	754	41934	42684
UN38539	Rsa1.0.00740.1	534	215972	1.00E-164	305	308	99 +	2	309	31867	32173
UN38540	Rsa1.0.00273.1	942	326186	0	591	596	99 -	347	942	235640	236235
UN38541	Rsa1.0.01771.1	836	172709	1.00E-98	204	211	96 -	450	660	8310	8520
UN38542	Rsa1.0.01273.1	956	49464	1.00E-127	237	239	99 -	33	271	24253	24491
UN38543	Rsa1.0.00803.1	784	144228	0	759	789	96 -	1	783	58938	59723
UN38544	#	#	#	#	#	#	#	#	#	#	#
UN38545	Rsa1.0.00935.1	709	59079	0	459	479	95 -	108	583	55903	56377
UN38546	Rsa1.0.00720.1	1051	66931	1.00E-90	224	242	92 +	714	945	62325	62566
UN38547	Rsa1.0.02966.1	762	135126	1.00E-160	321	331	96 +	1	330	132552	132882
UN38548	Rsa1.0.01588.1	1147	42724	0	545	568	95 +	296	848	10356	10923
UN38549	Rsa1.0.00016.1	635	831256	6.00E-82	176	182	96 -	175	354	293810	293991
UN38550	Rsa1.0.02825.1	718	27568	1.00E-143	310	325	95 -	3	326	1476	1799
UN38551	Rsa1.0.00339.1	526	222974	1.00E-111	227	232	97 -	297	526	37882	38113
UN38552	Rsa1.0.00321.1	930	95671	0	921	931	98 +	1	930	25888	26817
UN38553	Rsa1.0.04399.1	1028	17543	0	1020	1033	98 -	3	1027	13381	14413
UN38554	Rsa1.0.01146.1	820	163455	0	435	450	96 +	372	816	160805	161254
UN38555	Rsa1.0.00100.1	694	249232	1.00E-175	332	336	98 -	360	693	179430	179765
UN38556	Rsa1.0.02931.1	1172	26654	1.00E-117	267	284	94 +	53	333	2638	2921
UN38557	Rsa1.0.23894.1	986	1018	0	416	426	97 +	272	688	555	980
UN38558	Rsa1.0.01285.1	1402	172709	0	1016	1050	96 +	246	1289	139725	140771
UN38559	Rsa1.0.00251.1	586	303968	6.00E-88	261	285	91 -	2	282	127337	127614
UN38560	Rsa1.0.08183.1	631	7775	0	406	416	97 -	205	617	4893	5306
UN38561	Rsa1.0.02386.1	970	31895	0	633	634	99 -	336	969	16054	16687
UN38562	Rsa1.0.06048.1	635	11854	0	379	381	99 -	1	381	3649	4029
UN38563	Rsa1.0.18402.1	1049	1605	1.00E-138	273	281	97 -	774	1048	246	526
UN38564	Rsa1.0.08922.1	1220	6788	0	419	431	97 +	790	1220	2449	2879
UN38565	Rsa1.0.00622.1	984	71822	0	944	960	98 -	24	981	21474	22432
UN38566	Rsa1.0.00015.1	547	561803	1.00E-172	336	346	97 -	202	547	200459	200804
UN38567	Rsa1.0.19487.1	1298	1425	0	450	468	96 +	2	469	465	929
UN38568	Rsa1.0.03467.1	980	22687	0	660	660	100 -	1	660	10718	11377
UN38569	Rsa1.0.00484.1	283	203294	1.00E-110	262	280	93 +	4	283	49807	50082

UN38570	Rsa1.0.00182.1	938	142305	0	920	946	97 -	1	938	35849	36793
UN38571	Rsa1.0.09320.1	1133	6457	0	426	439	97 -	167	602	1368	1806
UN38572	Rsa1.0.06683.1	1439	10549	0	450	458	98 +	203	660	7735	8192
UN38573	Rsa1.0.00577.1	984	174827	0	624	634	98 +	346	978	131000	131633
UN38574	Rsa1.0.00111.1	901	390088	0	850	898	94 +	15	901	189323	190220
UN38575	Rsa1.0.00413.1	958	86921	0	724	758	95 +	185	940	15935	16690
UN38576	Rsa1.0.01474.1	1084	45070	1.00E-151	299	307	97 -	3	308	1666	1972
UN38577	Rsa1.0.00750.1	1238	190548	1.00E-176	320	322	99 +	98	419	144548	144869
UN38578	Rsa1.0.04801.1	764	15918	1.00E-158	361	387	93 +	5	390	6869	7236
UN38579	Rsa1.0.01016.1	921	181422	0	380	387	98 +	98	484	162631	163016
UN38580	Rsa1.0.08220.1	657	7701	0	516	531	97 +	2	530	5779	6306
UN38581	Rsa1.0.00245.1	1232	103569	0	511	526	97 -	705	1230	100095	100620
UN38582	Rsa1.0.01151.1	746	52268	1.00E-103	246	262	93 -	450	708	40359	40620
UN38583	Rsa1.0.01424.1	1243	46139	0	613	622	98 +	217	838	43607	44228
UN38584	Rsa1.0.10601.1	1067	5789	1.00E-127	288	304	94 +	1	298	5313	5615
UN38585	Rsa1.0.02168.1	836	34367	0	443	443	100 +	2	444	4776	5218
UN38586	Rsa1.0.00243.1	1060	103651	0	817	856	95 -	207	1060	87288	88142
UN38587	Rsa1.0.03249.1	1266	146254	0	428	438	97 +	829	1266	142766	143203
UN38588	Rsa1.0.03319.1	881	23767	0	450	473	95 +	48	514	16921	17392
UN38589	Rsa1.0.01235.1	761	50180	0	743	764	97 -	1	761	20988	21751
UN38590	Rsa1.0.00016.1	963	831256	0	452	468	96 +	89	553	426938	427401
UN38591	Rsa1.0.00570.1	732	75002	0	496	515	96 -	218	732	14860	15374
UN38592	Rsa1.0.02351.1	930	32305	0	801	820	97 -	111	930	4948	5767
UN38593	Rsa1.0.01601.1	1223	42519	0	472	487	96 +	1	485	11105	11588
UN38594	Rsa1.0.02588.1	914	29840	0	432	432	100 +	1	432	28179	28610
UN38595	Rsa1.0.06715.1	876	10485	1.00E-95	193	198	97 -	404	601	3912	4109
UN38596	Rsa1.0.03971.1	413	19788	1.00E-88	175	178	98 -	5	182	19509	19686
UN38597	Rsa1.0.06323.1	1115	11236	0	425	429	99 -	241	669	8502	8930
UN38598	Rsa1.0.00382.1	1085	251946	1.00E-164	333	346	96 +	218	563	33538	33883
UN38599	Rsa1.0.00341.1	1189	249309	0	886	939	94 +	8	933	113279	114217
UN38600	Rsa1.0.00427.1	1220	189678	1.00E-155	370	403	91 -	840	1220	38492	38894
UN38601	Rsa1.0.05660.1	1078	13012	0	534	556	96 +	180	735	4118	4673
UN38602	Rsa1.0.00803.1	1287	144228	0	377	389	96 -	602	990	52682	53070
UN38603	Rsa1.0.00527.1	1058	77733	1.00E-138	296	308	96 -	752	1058	57526	57830
UN38604	Rsa1.0.06918.1	959	10166	0	383	385	99 +	575	959	1350	1734
UN38605	Rsa1.0.01881.1	470	37721	0	454	475	95 +	1	470	32969	33443
UN38606	Rsa1.0.01034.1	1166	56046	0	398	401	99 +	253	653	14083	14483
UN38607	Rsa1.0.02528.1	1113	30452	0	562	564	99 +	110	673	17022	17585
UN38608	Rsa1.0.01717.1	833	143162	0	805	836	96 -	1	833	128007	128841

UN38609	Rsa1.0.06865.1	851	10240	0	846	856	98 +	1	851	8565	9420
UN38610	Rsa1.0.00305.1	1026	97308	0	954	1022	93 -	1	1013	37471	38456
UN38611	Rsa1.0.01182.1	804	167304	1.00E-157	306	312	98 +	2	310	165233	165544
UN38612	Rsa1.0.02158.1	1450	154841	0	537	546	98 +	2	547	153296	153841
UN38613	Rsa1.0.00937.1	810	59061	0	794	797	99 +	1	796	15725	16521
UN38614	Rsa1.0.12214.1	1226	5287	1.00E-165	319	327	97 +	142	468	2639	2965
UN38615	Rsa1.0.05070.1	909	14933	1.00E-147	321	336	95 +	1	335	2639	2972
UN38616	Rsa1.0.07823.1	1119	8468	0	1053	1057	99 -	3	1059	4559	5615
UN38617	Rsa1.0.04272.1	651	18144	1.00E-138	268	274	97 -	378	651	9533	9806
UN38618	Rsa1.0.03483.1	1203	22621	1.00E-164	293	293	100 -	909	1201	16856	17148
UN38619	Rsa1.0.00628.1	1098	214360	0	1091	1097	99 -	2	1098	8364	9460
UN38620	Rsa1.0.00218.1	913	201480	1.00E-151	427	478	89 -	1	476	111393	111844
UN38621	Rsa1.0.00183.1	1233	113277	0	638	676	94 +	568	1229	24804	25479
UN38622	Rsa1.0.00350.1	834	92346	1.00E-107	279	306	91 +	535	832	10176	10480
UN38623	Rsa1.0.03362.1	1171	23453	0	794	811	97 +	359	1169	11300	12104
UN38624	Rsa1.0.00038.1	1016	314568	1.00E-124	251	259	96 +	722	980	166217	166475
UN38625	Rsa1.0.04626.1	775	16611	0	632	632	100 -	1	632	14781	15412
UN38626	Rsa1.0.00837.1	1369	62568	0	1265	1326	95 -	2	1321	23081	24402
UN38627	Rsa1.0.01527.1	480	43905	3.00E-89	250	275	90 -	19	285	7299	7569
UN38628	Rsa1.0.00067.1	1220	415055	0	497	507	98 +	1	507	251819	252321
UN38629	Rsa1.0.00151.1	874	119541	1.00E-117	217	218	99 +	1	218	109716	109933
UN38630	Rsa1.0.01504.1	1077	189978	0	413	427	96 -	653	1077	168530	168956
UN38631	Rsa1.0.00028.1	810	293984	1.00E-145	409	456	89 +	27	475	137142	137576
UN38632	Rsa1.0.01390.1	1234	46695	0	724	725	99 -	87	811	37886	38610
UN38633	Rsa1.0.01343.1	676	47735	0	548	564	97 +	1	564	5062	5623
UN38634	Rsa1.0.19310.1	911	1449	2.00E-73	156	161	96 -	391	551	100	260
UN38635	Rsa1.0.01269.1	873	49622	1.00E-135	271	279	97 -	593	871	14028	14304
UN38636	Rsa1.0.00163.1	1258	116847	0	1194	1257	94 -	3	1257	48261	49509
UN38637	Rsa1.0.13816.1	852	4270	1.00E-150	272	273	99 -	1	273	2558	2830
UN38638	Rsa1.0.00250.1	591	273771	1.00E-150	305	317	96 +	28	344	243035	243351
UN38639	Rsa1.0.00121.1	1316	278029	0	395	396	99 +	921	1316	31815	32210
UN38640	Rsa1.0.00122.1	695	265937	1.00E-132	283	295	95 -	2	295	41283	41576
UN38641	Rsa1.0.00899.1	1437	60404	0	405	409	99 +	1029	1437	51380	51785
UN38642	Rsa1.0.03302.1	983	23898	1.00E-116	230	236	97 -	357	592	18166	18401
UN38643	Rsa1.0.00811.1	561	63242	1.00E-101	212	219	96 -	85	302	32156	32374
UN38644	Rsa1.0.00515.1	1024	78417	1.00E-80	196	211	92 -	1	211	59161	59359
UN38645	Rsa1.0.00551.1	931	76227	1.00E-119	250	261	95 +	671	931	19877	20137
UN38646	Rsa1.0.04037.1	1312	19471	1.00E-122	226	227	99 -	1086	1312	9759	9985
UN38647	Rsa1.0.02229.1	906	33672	1.00E-141	338	361	93 +	541	899	14457	14813

UN38648	Rsa1.0.00378.1	576	89892	1.00E-130	297	314	94 -	264	576	80350	80659
UN38649	Rsa1.0.02735.1	1432	28344	1.00E-128	270	280	96 +	3	279	25378	25657
UN38650	Rsa1.0.00075.1	662	146680	0	451	483	93 +	175	656	17393	17856
UN38651	Rsa1.0.06171.1	647	11575	0	455	495	91 +	3	496	1240	1714
UN38652	Rsa1.0.17558.1	706	1798	0	626	702	89 -	2	697	996	1697
UN38653	Rsa1.0.00214.1	689	107508	2.00E-97	196	201	97 +	488	688	41592	41792
UN38654	Rsa1.0.01377.1	1058	46967	1.00E-123	256	266	96 +	704	969	1262	1524
UN38655	Rsa1.0.00013.1	798	292129	1.00E-141	329	350	94 +	4	346	120907	121255
UN38656	Rsa1.0.00507.1	815	79074	1.00E-170	315	319	98 -	496	814	59451	59769
UN38657	Rsa1.0.00911.1	1153	59943	0	599	624	95 -	4	620	42158	42781
UN38658	Rsa1.0.09320.1	1070	6457	0	431	442	97 -	99	540	1368	1806
UN38659	Rsa1.0.02748.1	828	28242	0	527	537	98 +	3	539	17531	18067
UN38660	Rsa1.0.06292.1	1059	11293	0	681	695	97 +	1	695	4229	4919
UN38661	Rsa1.0.00010.1	527	294827	1.00E-121	261	274	95 +	58	328	217079	217352
UN38662	Rsa1.0.00504.1	1078	79334	0	397	412	96 +	337	747	12539	12950
UN38663	Rsa1.0.08707.1	961	7018	0	691	709	97 +	254	959	1	709
UN38664	Rsa1.0.00017.1	1073	752458	0	435	449	96 -	181	629	494221	494662
UN38665	Rsa1.0.00307.1	666	199003	1.00E-143	297	305	97 -	3	303	50440	50743
UN38666	Rsa1.0.00592.1	923	73788	0	706	728	96 +	195	922	62231	62958
UN38667	Rsa1.0.02229.1	1021	33672	0	459	469	97 -	1	468	22889	23357
UN38668	Rsa1.0.00087.1	1100	761073	1.00E-155	304	311	97 +	47	357	344812	345121
UN38669	Rsa1.0.00178.1	858	114861	0	845	860	98 -	1	858	13499	14358
UN38670	Rsa1.0.01717.1	847	143162	0	751	756	99 -	92	847	128088	128843
UN38671	Rsa1.0.00092.1	1072	659932	1.00E-100	186	186	100 +	885	1070	134776	134961
UN38672	Rsa1.0.00440.1	1152	84723	1.00E-150	311	326	95 -	155	480	24477	24793
UN38673	Rsa1.0.00027.1	968	283362	0	487	501	97 -	371	871	115850	116350
UN38674	Rsa1.0.00136.1	766	122464	1.00E-126	263	272	96 +	2	272	66936	67204
UN38675	Rsa1.0.08309.1	1277	7565	0	587	622	94 -	652	1273	5432	6039
UN38676	Rsa1.0.00651.1	310	247766	1.00E-126	284	308	92 +	3	310	92737	93022
UN38677	Rsa1.0.01728.1	741	40239	0	682	719	94 -	16	734	3241	3959
UN38678	Rsa1.0.01316.1	960	48325	6.00E-95	205	213	96 -	712	924	1183	1389
UN38679	Rsa1.0.01786.1	743	133324	2.00E-79	154	155	99 +	122	276	123813	123967
UN38680	Rsa1.0.00793.1	383	64103	2.00E-86	217	233	93 +	158	379	15598	15828
UN38681	Rsa1.0.00382.1	1086	251946	1.00E-179	370	385	96 -	1	382	34180	34564
UN38682	Rsa1.0.03921.1	938	20080	3.00E-60	134	139	96 +	5	143	4916	5054
UN38683	Rsa1.0.00080.1	1283	190437	0	433	437	99 +	6	442	84177	84613
UN38684	Rsa1.0.01352.1	627	47443	0	598	620	96 +	9	626	7744	8361
UN38685	Rsa1.0.01168.1	955	153765	0	908	982	92 -	1	954	21050	22031
UN38686	Rsa1.0.00131.1	941	432233	0	704	730	96 -	52	781	205231	205959

UN38687	Rsa1.0.08869.1	1136	6840	0	910	942	96 +	194	1134	2930	3870
UN38688	Rsa1.0.00161.1	1181	116891	1.00E-110	342	392	87 -	765	1153	30472	30835
UN38689	Rsa1.0.13438.1	998	4828	0	922	930	99 -	75	998	3873	4802
UN38690	Rsa1.0.01573.1	1262	42964	0	709	743	95 -	97	838	13460	14198
UN38691	Rsa1.0.02625.1	784	139104	1.00E-127	240	243	98 +	542	784	8676	8918
UN38692	Rsa1.0.01153.1	934	52264	1.00E-136	281	290	96 -	647	934	42605	42893
UN38693	Rsa1.0.02582.1	1291	29889	1.00E-151	301	311	96 -	981	1291	7487	7797
UN38694	Rsa1.0.00178.1	1103	114861	0	1047	1105	94 -	1	1098	82124	83218
UN38695	Rsa1.0.10275.1	934	5907	2.00E-64	162	174	93 +	545	718	887	1060
UN38696	Rsa1.0.07345.1	957	9526	0	915	958	95 +	3	957	6222	7162
UN38697	Rsa1.0.00773.1	1063	64839	0	1034	1058	97 +	5	1062	8132	9189
UN38698	Rsa1.0.01750.1	932	39816	8.00E-42	107	112	95 +	449	559	18559	18670
UN38699	Rsa1.0.08143.1	1454	7836	1.00E-106	253	269	94 -	6	274	4649	4911
UN38700	Rsa1.0.03072.1	1410	25577	0	760	781	97 +	240	1020	19503	20282
UN38701	Rsa1.0.06004.1	955	11961	1.00E-165	324	333	97 +	5	337	7372	7701
UN38702	Rsa1.0.05136.1	1038	14729	1.00E-170	367	385	95 +	17	396	1914	2297
UN38703	Rsa1.0.02381.1	1095	31972	1.00E-173	308	308	100 -	2	309	25756	26063
UN38704	Rsa1.0.00429.1	1149	85559	1.00E-125	259	267	97 +	11	276	13146	13410
UN38705	Rsa1.0.03167.1	841	24858	0	608	610	99 +	224	832	24249	24858
UN38706	Rsa1.0.05504.1	1096	13508	0	380	395	96 +	702	1096	5846	6240
UN38707	Rsa1.0.02486.1	913	30965	0	390	394	98 -	518	911	4262	4655
UN38708	Rsa1.0.04333.1	1153	17865	0	451	454	99 +	3	456	6695	7147
UN38709	Rsa1.0.01641.1	925	188213	1.00E-165	328	338	97 +	587	923	179558	179895
UN38710	Rsa1.0.00762.1	1121	165246	1.00E-136	291	304	95 +	580	883	29770	30068
UN38711	Rsa1.0.14674.1	960	3167	1.00E-160	380	408	93 -	6	407	374	776
UN38712	Rsa1.0.00101.1	769	267193	1.00E-166	325	332	97 -	173	503	140948	141278
UN38713	Rsa1.0.03608.1	1039	21804	1.00E-131	276	288	95 -	750	1037	13259	13543
UN38714	Rsa1.0.01031.1	837	56236	0	391	406	96 -	3	407	47429	47834
UN38715	Rsa1.0.00178.1	896	114861	0	554	574	96 -	325	895	42544	43105
UN38716	Rsa1.0.00304.1	722	97429	0	707	719	98 -	3	720	19154	19870
UN38717	Rsa1.0.03375.1	1024	23332	0	587	601	97 -	417	1015	17109	17709
UN38718	Rsa1.0.02651.1	917	29046	1.00E-141	335	357	93 -	35	386	6906	7256
UN38719	Rsa1.0.05665.1	846	13003	3.00E-93	174	174	100 -	315	488	11754	11927
UN38720	Rsa1.0.01747.1	909	39881	0	530	540	98 +	1	540	15990	16528
UN38721	Rsa1.0.01053.1	885	55483	1.00E-140	299	310	96 +	3	308	40468	40774
UN38722	Rsa1.0.00154.1	1411	189461	1.00E-155	288	291	98 -	254	544	174178	174468
UN38723	Rsa1.0.08259.1	1343	7641	0	505	509	99 -	1	509	6833	7341
UN38724	Rsa1.0.02105.1	1199	156953	0	407	426	95 -	2	424	28045	28461
UN38725	Rsa1.0.00562.1	1456	75565	0	664	685	96 +	500	1184	8259	8943

UN38726	Rsa1.0.00275.1	788	210104	1.00E-130	306	328	93 -	246	573	152106	152432
UN38727	Rsa1.0.00778.1	457	196751	1.00E-107	291	322	90 +	140	451	165400	165712
UN38728	Rsa1.0.00549.1	852	76473	0	518	534	97 -	319	852	33965	34495
UN38729	Rsa1.0.00816.1	1023	403350	0	966	1025	94 -	1	1022	393967	394976
UN38730	Rsa1.0.00088.1	1050	141341	0	665	689	96 +	1	688	45832	46517
UN38731	Rsa1.0.00693.1	622	161311	0	460	478	96 +	145	622	41435	41906
UN38732	Rsa1.0.00121.1	856	278029	0	850	858	99 +	3	856	34356	35213
UN38733	Rsa1.0.02203.1	1017	164532	1.00E-176	319	321	99 -	697	1017	163315	163635
UN38734	Rsa1.0.02256.1	1037	33329	1.00E-179	395	418	94 +	622	1037	15140	15547
UN38735	Rsa1.0.00959.1	913	58202	1.00E-150	291	298	97 -	4	297	11986	12283
UN38736	Rsa1.0.01294.1	1181	49090	1.00E-135	284	296	95 +	11	306	42176	42470
UN38737	Rsa1.0.04801.1	1102	15918	0	371	379	97 -	1	379	8483	8858
UN38738	Rsa1.0.00060.1	856	502678	1.00E-147	310	325	95 -	2	326	387112	387436
UN38739	Rsa1.0.00964.1	895	316648	1.00E-164	296	297	99 +	3	299	163907	164203
UN38740	Rsa1.0.00563.1	1230	75491	0	1157	1198	96 -	31	1228	25519	26705
UN38741	Rsa1.0.01761.1	1210	39717	0	895	920	97 -	33	952	25093	26009
UN38742	Rsa1.0.01223.1	1094	50392	0	370	385	96 -	1	385	30265	30644
UN38743	Rsa1.0.03821.1	660	20643	1.00E-76	161	166	96 -	495	660	5334	5499
UN38744	Rsa1.0.00437.1	765	84879	1.00E-148	266	266	100 -	1	266	31311	31576
UN38745	Rsa1.0.01134.1	1040	52829	0	1035	1040	99 +	1	1039	25942	26981
UN38746	Rsa1.0.00104.1	1123	368722	2.00E-86	234	252	92 +	17	258	334691	334939
UN38747	Rsa1.0.00046.1	844	320315	0	476	498	95 +	348	843	80028	80520
UN38748	Rsa1.0.00955.1	847	58358	2.00E-97	199	205	97 -	125	329	35143	35347
UN38749	Rsa1.0.03953.1	1085	19889	1.00E-115	247	261	94 +	1	261	220	469
UN38750	Rsa1.0.02706.1	1096	28522	0	460	473	97 +	626	1095	14012	14484
UN38751	Rsa1.0.02496.1	731	30814	1.00E-109	226	233	96 +	35	266	8802	9034
UN38752	Rsa1.0.02961.1	988	26435	0	442	461	95 +	533	988	15780	16237
UN38753	Rsa1.0.00921.1	714	59599	1.00E-128	269	277	97 +	2	277	25551	25825
UN38754	Rsa1.0.08402.1	1041	7417	0	361	366	98 +	219	583	4202	4567
UN38755	Rsa1.0.00377.1	992	90038	1.00E-175	333	339	98 +	655	992	18271	18609
UN38756	Rsa1.0.14201.1	797	3670	0	475	509	93 -	297	796	569	1077
UN38757	Rsa1.0.00136.1	787	122464	1.00E-107	272	299	90 -	2	283	68244	68542
UN38758	Rsa1.0.01729.1	700	304246	1.00E-135	312	330	94 -	376	699	145998	146322
UN38759	Rsa1.0.00305.1	706	97308	1.00E-112	271	293	92 +	10	290	94407	94696
UN38760	Rsa1.0.08225.1	757	7695	0	727	752	96 -	4	755	4158	4907
UN38761	Rsa1.0.04140.1	1286	18879	1.00E-103	210	216	97 +	294	509	7286	7501
UN38762	Rsa1.0.00160.1	928	346678	0	854	888	96 -	48	915	144927	145814
UN38763	Rsa1.0.13841.1	1024	4232	0	978	1032	94 +	2	1023	88	1117
UN38764	Rsa1.0.00097.1	907	138858	1.00E-113	207	207	100 -	1	207	102934	103140

UN38765	Rsa1.0.01753.1	949	39794	2.00E-95	264	289	91 -	2	283	21205	21481
UN38766	Rsa1.0.02648.1	1159	29073	1.00E-130	315	335	94 +	829	1159	20666	20997
UN38767	Rsa1.0.02085.1	649	35198	0	622	659	94 -	2	649	18242	18897
UN38768	Rsa1.0.01471.1	1173	45101	0	623	650	95 -	203	852	23441	24090
UN38769	Rsa1.0.01338.1	411	155644	0	408	411	99 +	2	411	128378	128786
UN38770	Rsa1.0.02276.1	705	33098	0	581	606	95 +	1	603	12564	13169
UN38771	Rsa1.0.00526.1	1000	169279	0	945	1021	92 -	3	1000	165046	166059
UN38772	Rsa1.0.04511.1	861	17032	0	861	861	100 -	1	861	6205	7065
UN38773	Rsa1.0.02265.1	1399	33233	0	446	447	99 -	28	474	5156	5602
UN38774	Rsa1.0.00725.1	1266	66757	1.00E-114	215	217	99 -	231	447	29406	29622
UN38775	Rsa1.0.00490.1	906	186713	0	673	674	99 +	2	675	180015	180688
UN38776	Rsa1.0.00762.1	851	165246	0	731	759	96 -	104	851	1387	2145
UN38777	Rsa1.0.01321.1	840	48248	0	839	840	99 -	1	840	19333	20172
UN38778	Rsa1.0.01453.1	965	45449	0	955	971	98 +	1	965	17030	18000
UN38779	Rsa1.0.00049.1	1103	167018	1.00E-178	339	345	98 +	756	1100	95494	95837
UN38780	Rsa1.0.00955.1	996	58358	3.00E-97	199	205	97 -	221	425	35143	35347
UN38781	Rsa1.0.00067.1	1327	415055	0	513	534	96 -	216	746	252597	253130
UN38782	Rsa1.0.00336.1	1044	445051	1.00E-108	243	256	94 -	767	1019	553	805
UN38783	Rsa1.0.00131.1	885	432233	1.00E-123	276	290	95 +	487	773	152975	153261
UN38784	Rsa1.0.00073.1	1060	240924	0	604	666	90 +	421	1059	96788	97447
UN38785	Rsa1.0.01390.1	1152	46695	1.00E-174	331	338	97 -	329	666	37463	37800
UN38786	Rsa1.0.03433.1	718	22966	0	530	533	99 -	185	717	12029	12561
UN38787	Rsa1.0.02159.1	624	34471	2.00E-23	148	176	84 +	99	274	11938	12110
UN38788	Rsa1.0.01352.1	1132	47443	0	734	779	94 +	11	774	7703	8479
UN38789	Rsa1.0.00066.1	869	152418	1.00E-175	406	439	92 +	345	771	11265	11700
UN38790	Rsa1.0.01709.1	1264	40587	0	1264	1264	100 +	1	1264	11343	12606
UN38791	Rsa1.0.05139.1	817	14718	2.00E-76	187	200	93 +	36	235	4552	4748
UN38792	Rsa1.0.05081.1	962	136103	4.00E-99	198	202	98 -	759	960	2153	2351
UN38793	Rsa1.0.15679.1	843	2485	1.00E-118	246	256	96 -	589	839	1512	1767
UN38794	Rsa1.0.00520.1	1594	78226	0	1493	1544	96 +	54	1591	1854	3397
UN38795	Rsa1.0.00284.1	1300	323267	0	621	644	96 +	174	817	273139	273781
UN38796	Rsa1.0.00017.1	1284	752458	0	423	427	99 -	2	426	744921	745347
UN38797	Rsa1.0.05599.1	1345	143653	0	443	445	99 -	1	445	4266	4710
UN38798	Rsa1.0.08922.1	847	6788	1.00E-130	251	256	98 +	1	256	279	534
UN38799	Rsa1.0.00413.1	1048	86921	0	807	839	96 -	5	842	15935	16765
UN38800	Rsa1.0.01424.1	1075	46139	0	594	624	95 +	325	948	43605	44228
UN38801	Rsa1.0.00243.1	1102	103651	0	818	850	96 +	14	861	87294	88142
UN38802	Rsa1.0.05753.1	1026	12732	1.00E-137	266	272	97 +	2	273	12101	12372
UN38803	Rsa1.0.02575.1	647	29944	1.00E-128	272	284	95 +	366	647	24000	24279

UN38804	Rsa1.0.01530.1	829	43820	1.00E-120	232	235	98 -	1	234	5090	5324
UN38805	Rsa1.0.01504.1	830	189978	1.00E-147	364	395	92 -	447	830	168565	168956
UN38806	Rsa1.0.00706.1	549	291570	1.00E-122	252	262	96 -	99	360	1	262
UN38807	Rsa1.0.00811.1	902	63242	0	586	587	99 -	8	593	36652	37238
UN38808	Rsa1.0.00068.1	771	151813	0	768	771	99 -	1	771	104285	105055
UN38809	Rsa1.0.03821.1	1181	20643	7.00E-80	170	176	96 -	718	893	4155	4330
UN38810	Rsa1.0.04262.1	923	18220	0	400	421	95 -	3	409	3395	3815
UN38811	Rsa1.0.00251.1	1062	303968	1.00E-179	331	335	98 -	224	558	141398	141732
UN38812	Rsa1.0.09409.1	793	6390	1.00E-154	280	281	99 -	511	791	1161	1441
UN38813	Rsa1.0.01526.1	1395	43919	0	495	518	95 +	390	907	1209	1726
UN38814	Rsa1.0.00193.1	952	194198	0	947	952	99 -	2	952	188415	189366
UN38815	Rsa1.0.04864.1	1371	15684	0	1047	1222	85 +	39	1236	1741	2956
UN38816	Rsa1.0.00214.1	1228	107508	1.00E-132	281	295	95 +	725	1019	41899	42193
UN38817	Rsa1.0.11411.1	1022	5515	0	862	910	94 +	4	913	4612	5515
UN38818	Rsa1.0.02478.1	955	150183	0	473	516	91 +	54	569	130877	131368
UN38819	Rsa1.0.00201.1	1241	232851	0	690	714	96 +	416	1129	211	921
UN38820	Rsa1.0.00729.1	1171	66690	0	615	616	99 +	1	616	57669	58284
UN38821	Rsa1.0.00712.1	861	67217	0	451	465	96 -	2	465	18091	18553
UN38822	Rsa1.0.02735.1	1238	28344	1.00E-87	186	192	96 +	1033	1224	28008	28197
UN38823	Rsa1.0.13762.1	1445	4370	0	613	630	97 -	816	1445	3741	4370
UN38824	Rsa1.0.00108.1	1532	478491	0	682	702	97 -	831	1532	65417	66118
UN38825	Rsa1.0.00250.1	716	273771	0	422	443	95 -	2	444	243035	243471
UN38826	Rsa1.0.00122.1	703	265937	1.00E-122	302	327	92 +	377	702	223063	223389
UN38827	Rsa1.0.03319.1	1143	23767	1.00E-177	401	427	93 +	159	584	16967	17392
UN38828	Rsa1.0.00090.1	885	273859	1.00E-179	319	319	100 -	1	319	2718	3036
UN38829	Rsa1.0.00018.1	1472	410899	0	705	705	100 +	559	1263	249118	249822
UN38830	Rsa1.0.00825.1	855	62855	0	479	480	99 -	376	855	49164	49643
UN38831	Rsa1.0.02550.1	1185	291051	1.00E-109	254	270	94 -	3	272	21418	21681
UN38832	Rsa1.0.00030.1	868	250988	1.00E-101	254	275	92 -	600	868	104239	104512
UN38833	Rsa1.0.00110.1	1086	132719	1.00E-144	299	311	96 +	777	1086	94584	94894
UN38834	Rsa1.0.00627.1	475	71566	1.00E-157	343	361	95 +	116	475	63670	64029
UN38835	Rsa1.0.01689.1	1024	40944	1.00E-142	365	404	90 +	22	425	52	432
UN38836	Rsa1.0.06683.1	823	10549	0	441	454	97 +	203	656	7735	8188
UN38837	Rsa1.0.07440.1	630	9389	0	551	605	91 +	1	597	4734	5335
UN38838	Rsa1.0.07569.1	1373	9106	0	378	380	99 -	175	554	4562	4941
UN38839	Rsa1.0.42756.1	632	525	1.00E-134	265	271	97 -	361	630	235	505
UN38840	Rsa1.0.01682.1	1361	41090	0	383	393	97 -	2	393	10171	10559
UN38841	Rsa1.0.02662.1	665	28956	0	584	607	96 +	2	608	8644	9250
UN38842	Rsa1.0.00213.1	777	108167	1.00E-166	429	467	91 +	1	456	36360	36811

UN38843	Rsa1.0_17558.1	912	1798	0	908	910	99 +	2	911	824	1733
UN38844	Rsa1.0_01236.1	819	50156	4.00E-71	170	181	93 +	13	193	42366	42546
UN38845	Rsa1.0_09507.1	912	6326	0	699	736	94 +	92	824	2564	3294
UN38846	Rsa1.0_00523.1	1556	178770	0	406	412	98 +	1145	1556	161189	161599
UN38847	Rsa1.0_00064.1	1310	240927	0	836	905	92 -	18	918	232169	233033
UN38848	Rsa1.0_00111.1	929	390088	0	919	920	99 +	11	929	270695	271614
UN38849	Rsa1.0_28855.1	1196	801	1.00E-150	276	278	99 +	384	661	468	745
UN38850	Rsa1.0_02367.1	1124	32106	0	586	617	94 -	5	619	25289	25880
UN38851	Rsa1.0_07073.1	1246	9944	1.00E-147	289	295	97 +	954	1246	5673	5965
UN38852	Rsa1.0_02913.1	1166	26816	0	1076	1077	99 -	90	1166	24559	25635
UN38853	Rsa1.0_04519.1	909	17004	0	621	636	97 +	2	636	4381	5016
UN38854	Rsa1.0_04876.1	1342	15631	1.00E-129	246	249	98 +	913	1161	3072	3317
UN38855	Rsa1.0_20282.1	1281	1321	1.00E-124	226	226	100 -	1	226	226	451
UN38856	Rsa1.0_00017.1	977	752458	1.00E-153	292	298	97 -	20	317	744921	745218
UN38857	Rsa1.0_03826.1	1224	20614	0	772	803	96 -	4	806	16092	16892
UN38858	Rsa1.0_00686.1	620	68511	1.00E-118	256	269	95 +	114	381	57560	57821
UN38859	Rsa1.0_00332.1	772	94575	5.00E-86	181	186	97 -	59	243	41933	42118
UN38860	Rsa1.0_01376.1	588	47004	2.33E-156	352	378	93 -	1	370	320	696
UN38861	Rsa1.0_01016.1	1369	181422	1.00E-166	334	344	97 -	1	344	164149	164490
UN38862	Rsa1.0_00059.1	864	159650	0	785	829	94 -	48	864	63389	64217
UN38863	Rsa1.0_00265.1	991	220635	1.00E-154	288	291	98 +	1	289	142234	142524
UN38864	Rsa1.0_06715.1	992	10485	0	374	384	97 +	16	399	3439	3822
UN38865	Rsa1.0_02228.1	1311	33688	0	530	555	95 -	646	1199	13284	13838
UN38866	Rsa1.0_12005.1	881	5344	0	818	878	93 -	6	881	4270	5147
UN38867	Rsa1.0_00712.1	875	67217	0	474	487	97 -	395	875	41156	41642
UN38868	Rsa1.0_01352.1	781	47443	0	752	788	95 +	2	779	6950	7736
UN38869	Rsa1.0_00038.1	2561	314568	0	2369	2395	98 +	166	2559	144545	146939
UN38870	Rsa1.0_03366.1	943	23401	0	799	821	97 -	125	943	4526	5341
UN38871	Rsa1.0_00332.1	1293	94575	0	547	586	93 +	718	1293	59905	60478
UN38872	Rsa1.0_00035.1	1438	176449	0	911	940	96 -	66	991	43572	44507
UN38873	Rsa1.0_01364.1	984	47172	0	478	483	98 -	500	982	43461	43943
UN38874	Rsa1.0_01768.1	708	138463	1.00E-100	252	272	92 +	65	334	120036	120300
UN38875	Rsa1.0_64336.1	779	356	1.00E-126	235	237	99 -	356	592	21	257
UN38876	Rsa1.0_07074.1	780	9944	0	759	782	97 -	1	778	3096	3875
UN38877	Rsa1.0_00877.1	1566	61305	0	1320	1321	99 -	244	1564	490	1810
UN38878	Rsa1.0_04518.1	706	17005	0	433	436	99 -	2	437	7319	7754
UN38879	Rsa1.0_00064.1	1211	240927	0	855	886	96 -	1	884	232169	233054
UN38880	Rsa1.0_01421.1	1443	46197	0	387	388	99 +	1	388	41787	42174
UN38881	Rsa1.0_01421.1	779	46197	1.00E-155	287	290	98 -	340	629	41885	42174

UN38882	Rsa1.0.05122.1	2057	14791	0	1102	1118	98 +	943	2057	4596	5713
UN38883	Rsa1.0.00235.1	906	154696	0	425	431	98 -	6	435	153574	154004
UN38884	Rsa1.0.00112.1	849	132199	0	843	849	99 +	1	849	31667	32515
UN38885	Rsa1.0.01436.1	964	45894	0	362	370	97 +	277	646	9970	10339
UN38886	Rsa1.0.00765.1	1346	65029	0	378	382	98 +	965	1346	40123	40504
UN38887	Rsa1.0.01638.1	911	41857	0	845	916	92 +	17	911	2114	3028
UN38888	Rsa1.0.02810.1	885	27671	1.00E-157	285	286	99 -	600	885	23887	24172
UN38889	Rsa1.0.00083.1	858	442773	0	323	323	100 -	1	323	312965	313287
UN38890	Rsa1.0.00661.1	562	213041	0	560	561	99 +	1	561	199182	199742
UN38891	Rsa1.0.00083.1	812	442773	0	738	742	99 -	71	812	141413	142154
UN38892	Rsa1.0.07624.1	696	9009	1.00E-174	330	337	97 +	4	340	5298	5634
UN38893	Rsa1.0.06732.1	832	10449	0	775	777	99 +	46	822	8073	8849
UN38894	Rsa1.0.00718.1	919	279335	0	520	521	99 +	352	872	222655	223175
UN38895	Rsa1.0.07185.1	861	9772	0	398	403	98 -	3	405	8608	9009
UN38896	Rsa1.0.36111.1	537	625	0	525	533	98 -	3	535	14	546
UN38897	Rsa1.0.00037.1	1350	307838	1.00E-154	277	277	100 -	1	277	195549	195825
UN38898	Rsa1.0.00651.1	1572	247766	0	1188	1217	97 -	36	1252	220982	222196
UN38899	Rsa1.0.00211.1	928	228189	0	611	638	95 +	1	638	189277	189900
UN38900	Rsa1.0.01641.1	1645	188213	0	453	458	98 +	1137	1594	28173	28630
UN38901	Rsa1.0.00409.1	864	146788	0	864	864	100 +	1	864	118472	119335
UN38902	Rsa1.0.00409.1	907	146788	1.00E-157	353	374	94 -	530	901	109686	110049
UN38903	Rsa1.0.05305.1	687	14207	0	572	602	95 -	1	584	1015	1615
UN38904	Rsa1.0.00506.1	888	79106	0	509	522	97 +	367	887	21609	22130
UN38905	Rsa1.0.00100.1	932	249232	0	913	943	96 -	1	932	193287	194225
UN38906	Rsa1.0.00243.1	816	103651	1.00E-132	240	240	100 -	3	242	51674	51913
UN38907	Rsa1.0.02961.1	1871	26435	0	1563	1571	99 +	1	1568	13980	15550
UN38908	#	#	#	#	#	#	#	#	#	#	#
UN38909	Rsa1.0.01286.1	1123	49209	1.00E-141	255	255	100 -	1	255	3049	3303
UN38910	Rsa1.0.00939.1	886	185227	0	587	591	99 -	1	591	159083	159673
UN38911	Rsa1.0.02943.1	1778	153598	0	639	664	96 -	29	692	134827	135484
UN38912	Rsa1.0.00022.1	1155	200461	0	1126	1157	97 -	1	1155	167526	168682
UN38913	Rsa1.0.23656.1	857	1033	0	614	616	99 -	242	857	304	919
UN38914	Rsa1.0.11940.1	848	5365	0	841	848	99 -	1	848	4443	5290
UN38915	Rsa1.0.01933.1	1541	37172	0	838	841	99 -	6	846	17173	18013
UN38916	Rsa1.0.03148.1	847	24989	0	396	397	99 -	64	460	21012	21408
UN38917	Rsa1.0.00938.1	747	193891	0	741	747	99 -	3	747	172931	173676
UN38918	Rsa1.0.21935.1	1475	1162	0	473	489	96 -	1	479	656	1144
UN38919	Rsa1.0.00300.1	997	97747	0	877	884	99 -	1	877	44278	45161
UN38920	Rsa1.0.02097.1	1065	35036	0	371	371	100 -	9	379	11365	11735

UN38921	#	#	#	#	#	#	#	#	#	#	#	#
UN38922	Rsa1.0.00876.1	632	61328	0	521	535	97 +	98	632	35058	35591	
UN38923	Rsa1.0.30148.1	654	761	0	429	429	100 +	226	654	1	429	
UN38924	Rsa1.0.01869.1	704	37928	0	697	702	99 -	3	704	7563	8264	
UN38925	Rsa1.0.01460.1	461	45255	1.00E-163	339	355	95 -	103	457	32288	32642	
UN38926	Rsa1.0.02656.1	849	29018	0	572	576	99 -	4	579	23781	24356	
UN38927	Rsa1.0.02663.1	523	169243	1.00E-153	289	293	98 +	10	300	148943	149235	
UN38928	Rsa1.0.07744.1	1317	8667	0	1317	1318	99 +	1	1317	2799	4116	
UN38929	Rsa1.0.00387.1	800	495407	0	498	498	100 +	4	501	243888	244385	
UN38930	Rsa1.0.01662.1	1344	41382	0	1340	1348	99 +	1	1344	19320	20667	
UN38931	Rsa1.0.01982.1	819	36530	0	819	820	99 -	1	819	30196	31015	
UN38932	Rsa1.0.01249.1	905	188432	0	512	513	99 -	394	905	147394	147906	
UN38933	Rsa1.0.05739.1	450	12778	0	445	448	99 -	3	450	3462	3909	
UN38934	Rsa1.0.08518.1	822	7244	1.00E-101	199	203	98 -	294	496	6688	6890	
UN38935	Rsa1.0.00711.1	1306	67223	0	532	533	99 -	1	532	25142	25674	
UN38936	Rsa1.0.01504.1	909	189978	0	545	553	98 +	357	909	1239	1791	
UN38937	Rsa1.0.00154.1	1186	189461	1.00E-157	288	290	99 -	447	736	173695	173984	
UN38938	Rsa1.0.02806.1	1122	27696	0	856	876	97 +	246	1121	18043	18918	
UN38939	Rsa1.0.00263.1	1150	224968	0	490	491	99 -	660	1150	6701	7191	
UN38940	Rsa1.0.03624.1	420	21706	1.00E-173	386	408	94 +	2	403	15738	16143	
UN38941	Rsa1.0.02622.1	1420	142402	0	647	655	98 -	22	676	13374	14025	
UN38942	Rsa1.0.01037.1	918	55969	0	739	750	98 -	168	915	53891	54636	
UN38943	Rsa1.0.04618.1	864	16623	0	825	825	100 +	2	826	961	1785	
UN38944	Rsa1.0.00084.1	679	142338	1.00E-147	270	272	99 -	408	679	127580	127851	
UN38945	Rsa1.0.00734.1	1282	66508	0	524	535	97 +	733	1265	50269	50801	
UN38946	Rsa1.0.00342.1	818	93695	0	647	649	99 -	169	817	2919	3567	
UN38947	Rsa1.0.00327.1	891	94892	1.00E-135	278	289	96 -	603	891	22681	22969	
UN38948	Rsa1.0.00024.1	1468	188018	0	1455	1456	99 +	7	1461	180664	182119	
UN38949	Rsa1.0.01690.1	844	40939	1.00E-129	234	234	100 -	137	370	8862	9095	
UN38950	Rsa1.0.00384.1	827	89278	0	446	482	92 +	279	738	82326	82807	
UN38951	Rsa1.0.00226.1	971	105884	0	584	647	90 +	3	615	18261	18891	
UN38952	Rsa1.0.01425.1	764	46136	0	372	386	96 -	4	389	37603	37988	
UN38953	Rsa1.0.00005.1	832	353093	0	804	833	96 -	3	831	300316	301143	
UN38954	Rsa1.0.00331.1	642	176754	4.00E-24	76	82	92 -	475	556	114412	114493	
UN38955	Rsa1.0.05160.1	1415	14637	0	581	612	94 -	174	776	13452	14051	
UN38956	Rsa1.0.00373.1	1346	90296	0	518	523	99 -	824	1346	65443	65965	
UN38957	Rsa1.0.01668.1	896	41299	0	896	897	99 +	1	896	5086	5982	
UN38958	Rsa1.0.00462.1	847	82288	1.00E-135	253	256	98 +	1	256	65636	65891	
UN38959	Rsa1.0.02937.1	1058	26605	0	700	702	99 -	357	1058	22531	23232	

UN38960	Rsa1.0.65490.1	702	350	8.00E-66	128	128	100 -	223	350	7	134
UN38961	Rsa1.0.00234.1	891	197060	0	435	461	94 -	1	456	22781	23234
UN38962	Rsa1.0.01870.1	620	37919	0	572	587	97 +	3	588	17818	18404
UN38963	Rsa1.0.13264.1	1093	4951	0	912	931	97 +	166	1092	1863	2793
UN38964	Rsa1.0.00157.1	965	245832	0	362	362	100 +	3	364	38122	38483
UN38965	Rsa1.0.01864.1	1341	37998	0	445	445	100 -	895	1339	28770	29214
UN38966	Rsa1.0.00017.1	871	752458	1.00E-148	318	331	96 -	21	350	503128	503456
UN38967	Rsa1.0.00348.1	1418	92818	0	1343	1439	93 -	1	1417	59803	61219
UN38968	Rsa1.0.00002.1	1259	601661	0	789	789	100 -	1	789	105480	106268
UN38969	Rsa1.0.71037.1	914	323	1.00E-166	296	296	100 +	1	296	27	322
UN38970	Rsa1.0.00325.1	903	95371	0	899	903	99 +	1	903	37095	37997
UN38971	Rsa1.0.01500.1	1401	141844	0	582	584	99 +	3	586	8444	9027
UN38972	Rsa1.0.02260.1	663	33260	0	372	380	97 -	2	381	26343	26722
UN38973	Rsa1.0.00045.1	951	328694	0	518	543	95 +	1	539	175473	176015
UN38974	#	#	#	#	#	#	#	#	#	#	#
UN38975	Rsa1.0.06747.1	1095	10426	1.00E-156	283	284	99 -	812	1095	8799	9082
UN38976	Rsa1.0.00007.1	570	239325	0	392	398	98 +	172	568	92559	92953
UN38977	Rsa1.0.05564.1	1103	13319	0	440	448	98 -	1	446	4682	5129
UN38978	Rsa1.0.00413.1	1221	86921	1.00E-163	338	348	97 +	1	346	33489	33834
UN38979	Rsa1.0.00054.1	861	162053	5.00E-80	158	160	98 +	576	735	152750	152909
UN38980	Rsa1.0.01905.1	698	37450	0	501	501	100 +	12	512	7394	7894
UN38981	Rsa1.0.00118.1	1497	130637	0	1492	1495	99 -	3	1497	115870	117363
UN38982	Rsa1.0.10267.1	1245	5910	0	349	355	98 +	257	611	4255	4609
UN38983	Rsa1.0.09517.1	813	6319	1.00E-165	334	347	96 +	307	653	2293	2639
UN38984	Rsa1.0.28594.1	953	809	1.00E-123	242	247	97 +	703	946	563	809
UN38985	Rsa1.0.03616.1	841	21756	0	736	739	99 -	4	741	9085	9823
UN38986	Rsa1.0.00224.1	1208	327530	0	438	439	99 -	1	439	237641	238078
UN38987	Rsa1.0.00136.1	817	122464	0	495	500	99 -	1	499	84856	85355
UN38988	Rsa1.0.00979.1	1310	57733	0	973	976	99 +	335	1309	16133	17107
UN38989	Rsa1.0.00074.1	862	147591	2.00E-17	53	55	96 -	305	359	92022	92076
UN38990	Rsa1.0.00743.1	800	177459	1.00E-160	302	307	98 -	26	332	176880	177186
UN38991	Rsa1.0.01475.1	792	45044	0	453	466	97 -	329	792	25074	25538
UN38992	Rsa1.0.00613.1	801	209993	0	381	383	99 +	419	801	193144	193526
UN38993	Rsa1.0.00960.1	1389	58199	0	422	452	93 -	927	1376	30600	31043
UN38994	Rsa1.0.06968.1	1559	10090	0	749	780	96 -	784	1559	7647	8421
UN38995	Rsa1.0.00123.1	1324	325650	0	1288	1322	97 -	4	1324	112084	113403
UN38996	Rsa1.0.01005.1	1292	56967	0	333	333	100 +	324	656	8492	8824
UN38997	Rsa1.0.00576.1	496	178949	0	495	495	100 +	1	495	26597	27091
UN38998	Rsa1.0.05727.1	914	12808	0	327	327	100 +	414	740	5006	5332

UN38999	Rsa1.0.02527.1	1176	177225	1.00E-127	232	232	100 +	1	232	19740	19971
UN39000	Rsa1.0.00082.1	513	237584	5.00E-57	122	125	97 +	233	357	42042	42166
UN39001	Rsa1.0.00373.1	728	90296	0	352	355	99 +	1	355	72474	72827
UN39002	Rsa1.0.01004.1	850	56975	0	580	598	96 +	9	602	50176	50773
UN39003	Rsa1.0.01866.1	772	37961	4.00E-43	144	162	88 +	501	662	14976	15137
UN39004	Rsa1.0.00351.1	720	413096	0	492	543	90 -	131	654	235339	235872
UN39005	Rsa1.0.00019.1	716	301669	0	533	541	98 -	51	590	295543	296083
UN39006	Rsa1.0.14868.1	938	3001	0	383	383	100 +	556	938	1	383
UN39007	Rsa1.0.00902.1	848	60241	0	713	720	99 -	2	721	6572	7290
UN39008	Rsa1.0.07098.1	945	9896	0	344	350	98 +	1	346	484	833
UN39009	Rsa1.0.00972.1	1053	57937	3.00E-88	250	274	91 +	7	276	9922	10191
UN39010	Rsa1.0.01848.1	569	38312	1.00E-167	306	309	99 -	7	315	148	456
UN39011	Rsa1.0.00196.1	844	109960	1.00E-127	286	301	95 -	69	367	87618	87915
UN39012	Rsa1.0.09625.1	582	6245	0	329	331	99 -	252	582	1031	1361
UN39013	Rsa1.0.00516.1	1201	78417	0	371	374	99 +	830	1200	20048	20421
UN39014	Rsa1.0.00241.1	766	104000	1.00E-30	175	209	83 +	356	564	68864	69071
UN39015	Rsa1.0.00157.1	919	245832	1.00E-148	284	290	97 +	1	290	234817	235106
UN39016	Rsa1.0.00848.1	1290	152362	0	459	461	99 +	830	1290	141300	141760
UN39017	Rsa1.0.03982.1	1280	19723	1.00E-143	259	259	100 +	1	259	3516	3774
UN39018	Rsa1.0.00529.1	889	77487	4.00E-93	210	221	95 +	1	221	1853	2071
UN39019	Rsa1.0.01740.1	781	39986	0	644	644	100 +	2	645	2393	3036
UN39020	Rsa1.0.00306.1	762	146760	0	509	554	91 -	195	744	135607	136147
UN39021	Rsa1.0.01271.1	911	49569	1.00E-151	277	279	99 +	315	593	21832	22110
UN39022	Rsa1.0.00018.1	1627	410899	0	385	399	96 +	635	1033	367394	367789
UN39023	Rsa1.0.01658.1	1510	41414	4.00E-63	124	124	100 +	478	601	37617	37740
UN39024	Rsa1.0.00147.1	1093	249503	0	551	553	99 -	5	557	163895	164446
UN39025	Rsa1.0.06571.1	491	10750	6.00E-72	204	225	90 -	1	225	6156	6373
UN39026	Rsa1.0.01949.1	1221	36960	0	406	408	99 -	1	408	11484	11891
UN39027	Rsa1.0.01274.1	955	49419	1.00E-171	311	313	99 +	641	953	37166	37478
UN39028	Rsa1.0.02094.1	946	35116	0	602	604	99 -	12	614	29811	30414
UN39029	Rsa1.0.00118.1	617	130637	0	614	617	99 +	2	617	57333	57949
UN39030	Rsa1.0.00053.1	855	263459	0	528	541	97 +	164	703	24335	24875
UN39031	Rsa1.0.06286.1	945	11307	0	602	603	99 -	2	604	9695	10297
UN39032	Rsa1.0.01442.1	839	45776	0	822	837	98 +	1	834	3577	4413
UN39033	Rsa1.0.01405.1	798	46445	0	395	406	97 +	260	664	27825	28230
UN39034	Rsa1.0.00414.1	853	202190	0	772	779	99 -	75	853	72948	73726
UN39035	Rsa1.0.00805.1	816	63724	0	654	659	99 +	1	659	13354	14012
UN39036	Rsa1.0.00796.1	673	63997	0	478	479	99 +	7	485	41	519
UN39037	Rsa1.0.00179.1	717	393324	3.00E-90	169	169	100 -	163	331	65790	65958

UN39038	Rsa1.0.00065.1	586	454616	0	432	438	98 -	81	516	125205	125642
UN39039	Rsa1.0.01039.1	870	55946	0	626	632	99 -	239	870	33342	33972
UN39040	Rsa1.0.01491.1	823	44718	0	581	594	97 -	233	820	4162	4750
UN39041	Rsa1.0.03624.1	1226	21706	1.00E-50	187	215	86 +	940	1154	20565	20779
UN39042	Rsa1.0.01182.1	726	167304	0	361	371	97 +	354	724	135429	135796
UN39043	Rsa1.0.03662.1	445	21492	1.00E-133	240	240	100 -	206	445	10685	10924
UN39044	Rsa1.0.00019.1	959	301669	1.00E-153	290	294	98 +	188	481	177005	177297
UN39045	Rsa1.0.00382.1	985	251946	1.00E-127	275	286	96 +	1	285	242963	243245
UN39046	Rsa1.0.00330.1	810	94666	1.00E-169	307	309	99 +	221	529	27466	27774
UN39047	Rsa1.0.02766.1	711	28128	0	538	557	96 -	154	709	13392	13947
UN39048	Rsa1.0.00135.1	597	178077	1.00E-158	341	362	94 -	242	597	2955	3307
UN39049	Rsa1.0.06839.1	1107	10286	3.00E-97	289	324	89 -	798	1105	6323	6640
UN39050	Rsa1.0.24055.1	830	1009	1.00E-142	266	269	98 -	2	270	527	795
UN39051	Rsa1.0.01635.1	654	41865	0	492	518	94 +	3	514	7293	7801
UN39052	Rsa1.0.50581.1	923	449	1.00E-175	350	363	96 -	81	443	87	449
UN39053	Rsa1.0.01248.1	769	154103	1.00E-110	264	282	93 +	468	749	11758	12032
UN39054	Rsa1.0.00121.1	688	278029	1.00E-112	208	209	99 +	316	524	123394	123602
UN39055	Rsa1.0.03031.1	166	25839	9.00E-50	127	135	94 -	1	133	24689	24823
UN39056	Rsa1.0.00503.1	1050	79468	1.00E-175	411	437	94 -	17	449	69177	69604
UN39057	Rsa1.0.03258.1	836	24302	1.00E-113	229	235	97 -	603	836	11076	11310
UN39058	Rsa1.0.00262.1	802	101906	0	350	351	99 +	453	802	33151	33501
UN39059	Rsa1.0.00041.1	1223	186197	0	871	897	97 -	1	886	157067	157962
UN39060	Rsa1.0.00341.1	699	249309	1.00E-114	209	209	100 -	207	415	128945	129153
UN39061	Rsa1.0.00707.1	956	190112	1.00E-123	259	269	96 +	2	270	181048	181315
UN39062	Rsa1.0.08419.1	919	7381	0	407	421	96 -	312	732	6961	7381
UN39063	Rsa1.0.02994.1	647	26168	0	600	631	95 -	14	644	2159	2780
UN39064	Rsa1.0.00343.1	729	93570	0	465	490	94 +	239	727	2493	2973
UN39065	Rsa1.0.19592.1	1268	1410	1.00E-132	300	320	93 -	730	1049	169	488
UN39066	Rsa1.0.00602.1	1228	73302	0	646	665	97 +	564	1228	29563	30226
UN39067	Rsa1.0.00697.1	1402	67913	1.00E-120	240	247	97 -	876	1122	57659	57905
UN39068	Rsa1.0.00265.1	1118	220635	0	947	994	95 -	119	1112	207981	208965
UN39069	Rsa1.0.00438.1	707	84861	1.00E-144	280	287	97 +	336	622	2602	2888
UN39070	Rsa1.0.00014.1	698	348985	1.00E-106	210	215	97 +	482	696	220714	220928
UN39071	Rsa1.0.00522.1	628	78103	1.00E-70	176	186	94 -	1	182	36235	36419
UN39072	Rsa1.0.00451.1	544	322533	1.00E-136	273	282	96 -	134	415	996	1277
UN39073	Rsa1.0.00055.1	693	520193	1.00E-125	328	356	92 -	343	693	153886	154237
UN39074	Rsa1.0.01595.1	585	175383	1.00E-163	318	329	96 -	257	585	41014	41331
UN39075	Rsa1.0.00920.1	813	601703	1.00E-139	295	309	95 +	1	309	447492	447797
UN39076	Rsa1.0.12394.1	422	5237	1.00E-101	187	187	100 +	47	233	108	294

UN39077	Rsa1.0_02086.1	970	35198	0	822	834	98 +	2	834	19790	20622
UN39078	Rsa1.0_05653.1	669	13043	0	633	669	94 +	3	666	10801	11467
UN39079	Rsa1.0_02045.1	652	35650	0	404	414	97 -	245	652	23432	23845
UN39080	Rsa1.0_00611.1	1261	72410	0	1196	1265	94 +	1	1261	14613	15846
UN39081	Rsa1.0_00570.1	1338	75002	0	1324	1325	99 +	11	1335	20370	21694
UN39082	Rsa1.0_02450.1	965	31288	0	761	800	95 +	167	965	16924	17696
UN39083	Rsa1.0_04342.1	1677	17828	0	420	444	94 -	1234	1668	7660	8103
UN39084	Rsa1.0_08609.1	789	7132	0	390	393	99 +	1	393	6741	7132
UN39085	Rsa1.0_02072.1	1008	35401	1.00E-165	295	295	100 -	714	1008	5405	5699
UN39086	Rsa1.0_00017.1	681	752458	1.00E-116	225	228	98 +	455	681	661547	661774
UN39087	Rsa1.0_05789.1	835	12620	0	792	828	95 +	1	827	7833	8660
UN39088	Rsa1.0_00244.1	851	103590	0	339	339	100 +	1	339	71185	71523
UN39089	Rsa1.0_00224.1	561	327530	1.00E-149	368	401	91 +	154	552	221387	221766
UN39090	Rsa1.0_00454.1	834	216970	0	799	832	96 +	3	834	158096	158925
UN39091	Rsa1.0_00132.1	1495	124299	0	495	514	96 +	286	785	99696	100209
UN39092	Rsa1.0_00664.1	665	69573	1.00E-141	255	255	100 -	405	659	25549	25803
UN39093	Rsa1.0_00647.1	600	70440	0	332	332	100 -	269	600	67327	67658
UN39094	Rsa1.0_00059.1	945	159650	0	431	431	100 -	3	433	2240	2670
UN39095	Rsa1.0_01519.1	508	44144	0	487	506	96 +	2	507	11680	12185
UN39096	Rsa1.0_00015.1	1146	561803	0	351	351	100 -	796	1146	190528	190878
UN39097	Rsa1.0_00066.1	949	152418	0	438	456	96 -	3	450	12155	12610
UN39098	Rsa1.0_00482.1	747	81162	0	742	745	99 +	3	747	50137	50881
UN39099	Rsa1.0_00341.1	1238	249309	1.00E-176	390	413	94 -	832	1238	125738	126149
UN39100	Rsa1.0_01778.1	1094	39509	6.00E-77	147	147	100 -	246	392	17248	17394
UN39101	Rsa1.0_01234.1	719	50183	1.00E-131	237	237	100 -	15	251	11958	12194
UN39102	Rsa1.0_02425.1	1097	31567	1.00E-164	300	302	99 -	796	1097	13612	13913
UN39103	Rsa1.0_00204.1	1341	109056	0	844	868	97 +	467	1334	105257	106124
UN39104	Rsa1.0_01034.1	1104	56046	0	735	757	97 -	236	992	19416	20172
UN39105	Rsa1.0_00833.1	898	62621	5.00E-49	100	100	100 +	643	742	112	211
UN39106	Rsa1.0_00802.1	1305	63846	0	376	382	98 -	66	444	26567	26948
UN39107	Rsa1.0_32838.1	1123	693	0	609	619	98 -	505	1123	76	693
UN39108	Rsa1.0_03434.1	628	22960	1.00E-144	327	347	94 -	288	628	12132	12476
UN39109	Rsa1.0_00012.1	852	222148	1.00E-126	295	316	93 +	535	849	69957	70261
UN39110	Rsa1.0_03037.1	1340	25825	0	1339	1341	99 +	1	1339	15334	16674
UN39111	Rsa1.0_00016.1	785	831256	0	446	456	97 -	264	719	786136	786591
UN39112	Rsa1.0_01080.1	681	54752	0	677	677	100 -	5	681	26129	26805
UN39113	Rsa1.0_00056.1	934	332604	0	931	932	99 +	1	932	240674	241605
UN39114	Rsa1.0_01004.1	700	56975	1.00E-138	282	292	96 -	3	291	17608	17899
UN39115	Rsa1.0_07389.1	858	9479	0	527	529	99 -	328	856	517	1045

UN39116	Rsa1.0.02923.1	795	26736	0	791	792	99 +	1	792	14866	15657
UN39117	Rsa1.0.00184.1	867	218748	1.00E-83	186	190	97 -	634	819	211267	211456
UN39118	Rsa1.0.07385.1	1071	9485	1.00E-144	321	338	94 -	4	338	5009	5345
UN39119	Rsa1.0.00456.1	507	82826	0	481	502	95 +	6	504	24584	25082
UN39120	Rsa1.0_13633.1	606	4605	9.00E-90	241	265	90 -	340	604	1103	1358
UN39121	Rsa1.0_00234.1	1174	197060	0	402	415	96 +	329	743	144150	144564
UN39122	Rsa1.0.00786.1	818	64285	1.00E-100	197	201	98 +	360	560	41596	41796
UN39123	Rsa1.0.00521.1	820	78191	0	473	496	95 +	14	491	3389	3884
UN39124	Rsa1.0.01331.1	1050	47944	0	824	828	99 -	223	1050	45524	46351
UN39125	Rsa1.0.01701.1	656	162121	1.00E-133	304	324	93 -	24	333	13837	14157
UN39126	Rsa1.0.32803.1	1471	693	0	677	705	96 -	213	911	1	693
UN39127	Rsa1.0.00782.1	1338	64468	0	517	545	94 -	6	550	28205	28736
UN39128	Rsa1.0_10960.1	967	5664	2.33E-156	282	286	98 -	1	285	5138	5421
UN39129	Rsa1.0.03410.1	803	23147	0	612	662	92 -	1	640	10247	10905
UN39130	Rsa1.0.00401.1	991	244410	0	391	399	97 -	591	989	178047	178445
UN39131	Rsa1.0.37242.1	953	605	0	337	338	99 +	11	348	1	337
UN39132	Rsa1.0.20065.1	929	1346	0	863	893	96 -	3	895	347	1236
UN39133	Rsa1.0.02858.1	944	27246	1.00E-119	327	357	91 -	6	348	1699	2049
UN39134	Rsa1.0.03137.1	870	25105	1.00E-161	297	300	99 +	571	870	16833	17132
UN39135	Rsa1.0.04223.1	817	18407	1.00E-160	287	287	100 +	2	288	5513	5799
UN39136	Rsa1.0.14624.1	924	3217	1.00E-130	281	297	94 +	627	922	1350	1634
UN39137	Rsa1.0.01296.1	1143	49035	0	709	709	100 -	3	711	19219	19927
UN39138	Rsa1.0.03079.1	1302	25545	0	687	688	99 -	1	688	10325	11012
UN39139	Rsa1.0.05030.1	734	15088	0	680	728	93 -	5	731	10907	11611
UN39140	Rsa1.0.07689.1	682	8790	0	564	567	99 -	8	574	3290	3856
UN39141	Rsa1.0.00522.1	1161	78103	1.00E-136	280	289	96 +	877	1161	49920	50208
UN39142	Rsa1.0.20924.1	952	1254	0	475	479	99 +	476	952	332	810
UN39143	Rsa1.0.05070.1	696	14933	0	385	385	100 -	306	690	5316	5700
UN39144	Rsa1.0.00118.1	828	130637	0	458	468	97 -	60	524	90339	90806
UN39145	Rsa1.0.04806.1	608	15898	1.00E-24	95	107	88 +	288	394	7365	7471
UN39146	Rsa1.0.02340.1	597	32388	0	592	605	97 -	5	597	4997	5601
UN39147	Rsa1.0.00017.1	830	752458	0	397	403	98 +	358	755	187371	187773
UN39148	Rsa1.0.02901.1	710	26909	1.00E-128	329	357	92 +	358	708	21294	21643
UN39149	Rsa1.0.01121.1	901	53407	0	746	778	95 -	4	781	19076	19852
UN39150	Rsa1.0.00421.1	1226	86365	0	350	350	100 +	1	350	75825	76174
UN39151	Rsa1.0.02487.1	779	30928	0	773	777	99 +	3	779	20443	21218
UN39152	Rsa1.0.02041.1	1006	163634	1.00E-126	296	314	94 +	1	312	18720	19032
UN39153	Rsa1.0.00073.1	1556	240924	0	694	745	93 +	1	742	118405	119124
UN39154	Rsa1.0.00928.1	1076	59293	3.00E-69	158	165	95 -	787	949	30855	31019

UN39155	Rsa1.0_00224.1	470	327530	1.00E-107	290	319	90 +	118	435	221387	221687
UN39156	Rsa1.0_00978.1	949	57739	0	621	640	97 -	308	947	41966	42599
UN39157	Rsa1.0_11152.1	594	5602	1.00E-159	344	360	95 -	2	358	5016	5374
UN39158	Rsa1.0_00073.1	1176	240924	0	623	631	98 +	1	631	81065	81695
UN39159	Rsa1.0_00609.1	1281	72785	0	1240	1270	97 +	21	1281	220	1488
UN39160	Rsa1.0_02312.1	1392	32675	0	398	400	99 +	993	1392	14711	15110
UN39161	Rsa1.0_01876.1	997	37800	1.00E-144	281	287	97 +	3	288	6989	7275
UN39162	Rsa1.0_00271.1	747	101125	1.00E-158	310	319	97 +	227	545	60726	61044
UN39163	Rsa1.0_01786.1	1139	133324	0	798	837	95 -	307	1139	95991	96827
UN39164	Rsa1.0_00828.1	857	62744	1.00E-158	283	283	100 +	1	283	8742	9024
UN39165	Rsa1.0_00801.1	1188	63861	0	337	337	100 -	1	337	24598	24934
UN39166	Rsa1.0_00075.1	1791	146680	0	1195	1365	87 -	312	1667	127796	129145
UN39167	Rsa1.0_00022.1	870	200461	0	460	485	94 +	2	481	86020	86504
UN39168	Rsa1.0_00397.1	730	88189	1.00E-152	273	273	100 +	451	723	54834	55106
UN39169	Rsa1.0_01491.1	609	44718	0	486	502	96 +	106	607	33428	33928
UN39170	Rsa1.0_00087.1	883	761073	1.00E-156	280	280	100 +	603	882	225356	225635
UN39171	Rsa1.0_04727.1	914	16216	0	907	918	98 -	6	914	13721	14637
UN39172	Rsa1.0_01867.1	963	37960	1.00E-164	335	349	95 -	424	772	17218	17566
UN39173	Rsa1.0_26775.1	522	878	1.00E-162	293	294	99 -	227	520	585	878
UN39174	Rsa1.0_00749.1	878	65933	0	815	889	91 +	1	876	27964	28845
UN39175	Rsa1.0_00179.1	832	393324	0	481	507	94 +	1	500	45033	45538
UN39176	Rsa1.0_01837.1	724	38502	0	622	628	99 -	97	724	3769	4396
UN39177	Rsa1.0_00159.1	958	431686	1.00E-130	252	257	98 -	19	275	427719	427975
UN39178	Rsa1.0_01112.1	682	310601	1.00E-118	247	255	96 -	126	380	176919	177171
UN39179	Rsa1.0_05871.1	1478	12356	1.00E-180	393	419	93 +	36	451	4513	4913
UN39180	Rsa1.0_00937.1	1555	59061	0	481	481	100 +	1075	1555	28096	28576
UN39181	Rsa1.0_08421.1	1024	7380	0	348	350	99 -	12	361	4123	4472
UN39182	Rsa1.0_02165.1	885	34423	0	383	401	95 -	494	883	75	474
UN39183	Rsa1.0_00201.1	468	232851	2.00E-68	205	225	91 +	32	249	203744	203968
UN39184	Rsa1.0_00784.1	1090	64359	0	447	450	99 -	641	1090	7561	8009
UN39185	Rsa1.0_00055.1	635	520193	0	460	462	99 -	174	635	383492	383953
UN39186	Rsa1.0_00409.1	1064	146788	0	998	1046	95 -	32	1064	145670	146712
UN39187	Rsa1.0_02201.1	1202	33981	1.00E-108	230	240	95 -	730	969	30288	30527
UN39188	Rsa1.0_00921.1	726	59599	1.00E-134	312	333	93 -	394	723	2029	2355
UN39189	Rsa1.0_01452.1	1261	45459	1.00E-139	258	260	99 -	1	260	39627	39886
UN39190	Rsa1.0_02166.1	1207	34414	0	344	344	100 +	458	801	14012	14355
UN39191	Rsa1.0_00067.1	845	415055	1.00E-131	270	281	96 +	260	540	226623	226903
UN39192	Rsa1.0_01829.1	893	166063	0	862	898	95 +	1	893	160881	161778
UN39193	Rsa1.0_04512.1	625	17031	1.00E-150	333	356	93 -	261	606	12588	12943

UN39194	Rsa1.0.00017.1	638	752458	0	634	637	99 -	1	636	536286	536922
UN39195	Rsa1.0.00033.1	737	515811	1.00E-160	314	323	97 -	320	642	366513	366835
UN39196	Rsa1.0.00494.1	683	79967	0	650	683	95 +	2	681	3770	4449
UN39197	Rsa1.0.01172.1	1189	51734	0	411	423	97 -	1	418	9538	9959
UN39198	Rsa1.0.00351.1	791	413096	1.00E-131	312	337	92 +	466	791	242921	243252
UN39199	Rsa1.0.00773.1	1097	64839	1.00E-93	213	225	94 +	469	693	58210	58431
UN39200	Rsa1.0.00026.1	1578	327835	0	1074	1099	97 -	478	1576	45488	46584
UN39201	Rsa1.0.02501.1	798	30764	0	500	536	93 -	280	798	10542	11072
UN39202	Rsa1.0.00838.1	508	153820	0	367	375	97 -	134	508	146489	146863
UN39203	Rsa1.0.16338.1	641	2190	1.00E-156	316	326	96 +	2	326	414	737
UN39204	Rsa1.0.01339.1	845	47813	1.00E-71	151	154	98 +	226	379	28483	28635
UN39205	Rsa1.0.00697.1	1006	67913	0	777	819	94 +	19	837	42303	43121
UN39206	Rsa1.0.00816.1	1285	403350	0	702	728	96 -	554	1277	139078	139801
UN39207	Rsa1.0.01786.1	1224	133324	0	1208	1218	99 +	1	1218	116665	117881
UN39208	Rsa1.0.01835.1	772	38542	2.33E-156	345	369	93 -	410	772	21290	21654
UN39209	Rsa1.0.03860.1	621	20407	4.00E-98	238	256	92 -	355	610	14095	14347
UN39210	Rsa1.0.01534.1	792	43764	0	604	626	96 -	140	760	10839	11464
UN39211	Rsa1.0.16137.1	1061	2269	1.00E-167	353	368	95 -	703	1061	1904	2269
UN39212	Rsa1.0.03471.1	575	22678	1.00E-106	225	234	96 +	178	408	14969	15202
UN39213	Rsa1.0.08558.1	1049	7198	1.00E-141	418	463	90 -	593	1049	2270	2721
UN39214	Rsa1.0.03191.1	1418	145762	0	459	461	99 -	959	1418	22012	22472
UN39215	Rsa1.0.00714.1	1474	67187	0	1246	1255	99 -	220	1474	18956	20210
UN39216	Rsa1.0.00296.1	1150	97854	0	371	377	98 +	11	386	42853	43229
UN39217	Rsa1.0.00833.1	1197	62621	1.00E-122	236	239	98 -	960	1197	5183	5421
UN39218	Rsa1.0.01958.1	821	261128	0	467	477	97 -	3	474	131033	131509
UN39219	Rsa1.0.01252.1	1109	49847	0	404	410	98 +	2	411	35393	35799
UN39220	Rsa1.0.00169.1	1147	274298	1.00E-175	319	320	99 -	829	1147	267872	268191
UN39221	Rsa1.0.00405.1	1230	202864	0	1167	1183	98 +	3	1174	154089	155271
UN39222	Rsa1.0.02757.1	839	28187	0	821	839	97 +	1	839	15833	16661
UN39223	Rsa1.0.01938.1	889	264018	0	602	626	96 +	33	658	156750	157365
UN39224	Rsa1.0.00303.1	1037	97468	3.00E-72	160	167	95 -	821	987	38565	38731
UN39225	Rsa1.0.01540.1	897	151890	0	471	480	98 -	243	722	144792	145271
UN39226	Rsa1.0.02855.1	743	27271	0	595	596	99 -	7	602	17755	18350
UN39227	Rsa1.0.00018.1	2325	410899	0	1422	1444	98 +	801	2244	71395	72838
UN39228	Rsa1.0.08194.1	1089	7757	1.00E-145	297	309	96 -	774	1077	5035	5343
UN39229	Rsa1.0.02930.1	634	26668	0	592	632	93 +	1	632	1717	2331
UN39230	Rsa1.0.00019.1	1381	301669	0	604	621	97 -	695	1314	100107	100727
UN39231	Rsa1.0.00722.1	779	66840	1.00E-175	374	394	94 -	381	772	49756	50149
UN39232	Rsa1.0.08192.1	893	7762	0	473	506	93 +	1	482	2194	2698

UN39233	Rsa1.0_13824.1	1026	4259	0	429	456	94 -	571	1026	2080	2534
UN39234	Rsa1.0_02694.1	1157	28610	0	1142	1155	98 -	3	1157	9128	10282
UN39235	Rsa1.0_00140.1	703	121541	1.00E-133	299	315	94 -	390	701	21983	22295
UN39236	Rsa1.0_03981.1	488	19724	1.00E-173	363	376	96 +	117	488	17481	17852
UN39237	Rsa1.0_00053.1	1212	263459	1.00E-160	325	338	96 +	3	340	32114	32451
UN39238	Rsa1.0_00497.1	851	79830	0	498	503	99 +	290	791	62413	62915
UN39239	Rsa1.0_03600.1	689	21857	5.00E-67	220	246	89 -	99	342	2129	2373
UN39240	Rsa1.0_01958.1	890	261128	0	356	365	97 +	6	370	129324	129688
UN39241	Rsa1.0_00316.1	1058	96264	0	436	469	92 +	7	466	30643	31108
UN39242	Rsa1.0_01550.1	1997	43443	0	435	437	99 -	1557	1993	14594	15030
UN39243	Rsa1.0_06160.1	744	11596	1.00E-167	385	414	92 -	66	479	10937	11350
UN39244	Rsa1.0_13514.1	912	4757	0	634	634	100 +	279	912	836	1469
UN39245	Rsa1.0_02640.1	619	29220	1.00E-157	294	297	98 -	323	619	21772	22067
UN39246	Rsa1.0_01389.1	991	46716	0	365	372	98 +	10	381	9794	10165
UN39247	Rsa1.0_00978.1	814	57739	1.00E-166	517	590	87 +	59	639	42010	42599
UN39248	Rsa1.0_01519.1	988	44144	0	586	589	99 +	400	988	39374	39962
UN39249	Rsa1.0_03294.1	947	23971	0	453	477	94 -	477	945	5085	5558
UN39250	Rsa1.0_02333.1	649	32431	1.00E-114	328	359	91 -	79	429	29979	30331
UN39251	Rsa1.0_00524.1	808	169613	1.00E-160	369	394	93 -	393	785	161710	162096
UN39252	Rsa1.0_00030.1	490	250988	1.00E-125	293	314	93 +	53	354	149332	149644
UN39253	Rsa1.0_00343.1	762	93570	0	523	533	98 -	1	533	2493	3025
UN39254	Rsa1.0_00557.1	627	75865	0	398	407	97 +	203	609	69508	69912
UN39255	Rsa1.0_04378.1	784	17651	1.00E-178	343	352	97 +	288	639	4630	4981
UN39256	Rsa1.0_00092.1	487	659932	0	330	330	100 -	158	487	190009	190338
UN39257	Rsa1.0_03149.1	648	24983	2.33E-156	284	292	97 -	3	287	19482	19773
UN39258	Rsa1.0_00219.1	1275	106983	0	338	338	100 -	1	338	45690	46027
UN39259	Rsa1.0_00632.1	621	183777	1.00E-150	321	337	95 -	285	621	149103	149438
UN39260	Rsa1.0_03346.1	235	23589	1.00E-89	215	229	93 -	9	235	10868	11094
UN39261	Rsa1.0_00868.1	1194	61630	0	496	497	99 -	1	497	32742	33238
UN39262	Rsa1.0_00893.1	735	60626	1.00E-120	241	248	97 +	2	249	46660	46907
UN39263	Rsa1.0_00092.1	756	659932	1.00E-141	269	274	98 -	97	370	14484	14757
UN39264	Rsa1.0_01010.1	757	56906	1.00E-164	374	394	94 -	372	756	15518	15911
UN39265	Rsa1.0_03781.1	811	20891	0	724	766	94 -	4	752	11400	12165
UN39266	Rsa1.0_00018.1	1255	410899	0	501	535	93 +	725	1255	115333	115861
UN39267	Rsa1.0_03476.1	1313	22646	0	726	749	96 +	566	1313	13257	14005
UN39268	Rsa1.0_00039.1	1079	296927	0	657	657	100 +	1	657	254868	255524
UN39269	Rsa1.0_00003.1	706	340054	0	660	707	93 -	3	706	136744	137446
UN39270	Rsa1.0_00009.1	1151	232558	0	640	640	100 -	512	1151	117251	117890
UN39271	Rsa1.0_15363.1	613	2655	0	598	617	96 +	4	613	1688	2304

UN39272	Rsa1.0.00136.1	723	122464	1.00E-109	351	403	87 -	332	721	81369	81754
UN39273	Rsa1.0.00773.1	1004	64839	0	337	341	98 -	660	1000	10102	10440
UN39274	Rsa1.0.00269.1	822	341668	0	450	469	95 +	354	822	275838	276299
UN39275	Rsa1.0.00294.1	925	144860	0	491	499	98 +	3	500	59118	59616
UN39276	Rsa1.0.06521.1	807	10856	0	495	497	99 -	1	497	6144	6640
UN39277	Rsa1.0.05354.1	840	14073	0	658	693	94 -	151	840	4668	5350
UN39278	Rsa1.0.40827.1	754	550	1.00E-119	257	270	95 -	365	634	110	379
UN39279	Rsa1.0.00191.1	606	316976	1.00E-161	317	327	96 +	141	467	140127	140453
UN39280	Rsa1.0.00032.1	1558	306326	0	988	1070	92 -	322	1391	192601	193670
UN39281	Rsa1.0.00510.1	682	78718	0	359	367	97 -	75	441	53847	54213
UN39282	Rsa1.0.02053.1	712	35554	0	361	370	97 +	24	392	31852	32221
UN39283	Rsa1.0.01104.1	1253	285480	0	500	500	100 +	750	1249	274158	274657
UN39284	Rsa1.0.00107.1	709	431659	0	702	707	99 -	1	707	86591	87297
UN39285	Rsa1.0.00269.1	915	341668	1.00E-101	219	227	96 +	638	862	323318	323544
UN39286	Rsa1.0.05282.1	677	14270	1.00E-180	426	463	92 +	224	676	10479	10941
UN39287	Rsa1.0.00006.1	689	396176	0	431	460	93 -	228	685	307659	308106
UN39288	Rsa1.0.00963.1	827	58176	3.00E-38	88	90	97 +	200	289	26927	27016
UN39289	Rsa1.0.07630.1	1177	8988	0	428	436	98 +	742	1177	4068	4499
UN39290	Rsa1.0.54025.1	982	422	0	403	425	94 -	339	751	1	422
UN39291	Rsa1.0.11525.1	855	5479	1.00E-120	579	699	82 -	146	844	4544	5242
UN39292	Rsa1.0.02688.1	844	28644	1.00E-137	292	307	95 +	290	596	26861	27167
UN39293	Rsa1.0.00715.1	491	67116	2.00E-96	267	291	91 -	207	488	40291	40581
UN39294	Rsa1.0.00472.1	872	398134	1.00E-134	308	325	94 -	1	323	168065	168385
UN39295	Rsa1.0.01843.1	743	265131	1.00E-157	299	305	98 +	131	435	9831	10135
UN39296	Rsa1.0.01536.1	592	43747	0	348	349	99 -	83	431	39543	39891
UN39297	Rsa1.0.00033.1	760	515811	1.00E-160	314	323	97 +	114	436	366513	366835
UN39298	Rsa1.0.01073.1	953	55030	2.00E-88	266	293	90 -	669	953	12762	13046
UN39299	Rsa1.0.01134.1	1164	52829	0	368	378	97 +	785	1162	43276	43652
UN39300	Rsa1.0.03338.1	701	136346	0	482	483	99 -	1	483	1672	2154
UN39301	Rsa1.0.01934.1	453	37162	1.00E-160	361	382	94 +	6	385	3564	3939
UN39302	Rsa1.0.01230.1	1344	50221	1.00E-124	251	259	96 -	572	830	23481	23739
UN39303	Rsa1.0.01021.1	1098	56610	7.00E-52	249	291	85 +	115	401	24758	25045
UN39304	Rsa1.0.01196.1	856	51097	1.00E-143	328	352	93 -	505	856	32491	32835
UN39305	Rsa1.0.03738.1	2294	21071	0	1004	1004	100 -	13	1016	10785	11788
UN39306	Rsa1.0.01318.1	708	48275	1.00E-112	237	245	96 +	458	701	4086	4329
UN39307	Rsa1.0.04254.1	512	18258	1.00E-110	203	203	100 +	188	390	5539	5741
UN39308	Rsa1.0.00421.1	693	86365	1.00E-73	169	177	95 -	3	178	84375	84551
UN39309	Rsa1.0.00380.1	701	89748	1.00E-131	334	364	91 -	4	364	88068	88415
UN39310	Rsa1.0.30563.1	604	750	0	598	600	99 +	3	602	35	634

UN39311	Rsa1.0.02829.1	848	27541	0	358	368	97 -	440	807	3414	3781
UN39312	Rsa1.0.02658.1	1033	28978	0	404	408	99 +	1	408	21926	22330
UN39313	Rsa1.0.18032.1	728	1686	1.00E-108	205	207	99 +	139	345	1291	1497
UN39314	Rsa1.0.00427.1	564	189678	0	408	418	97 +	147	563	153301	153718
UN39315	Rsa1.0.03668.1	585	21483	0	422	436	96 -	1	435	11438	11872
UN39316	Rsa1.0.02064.1	878	35476	1.00E-138	249	249	100 -	1	249	9518	9766
UN39317	Rsa1.0.01649.1	1366	41624	2.00E-99	191	193	98 +	1	193	39526	39718
UN39318	Rsa1.0.07200.1	703	9734	0	663	689	96 -	9	697	6120	6808
UN39319	Rsa1.0.00623.1	1117	207630	0	492	510	96 -	1	503	164904	165413
UN39320	Rsa1.0.02648.1	626	29073	3.00E-80	216	237	91 +	312	546	12514	12733
UN39321	Rsa1.0.00833.1	949	62621	3.00E-72	139	139	100 +	809	947	7554	7692
UN39322	Rsa1.0.00900.1	1021	60367	1.00E-175	318	320	99 -	2	321	29910	30229
UN39323	Rsa1.0.00915.1	1437	194446	0	930	930	100 -	1	930	159810	160739
UN39324	Rsa1.0.00073.1	1174	240924	0	625	631	99 -	543	1173	81065	81695
UN39325	Rsa1.0.05653.1	491	13043	0	427	428	99 +	64	491	10008	10435
UN39326	Rsa1.0.00812.1	537	63233	1.00E-114	230	237	97 +	56	292	17213	17449
UN39327	Rsa1.0.00032.1	1262	306326	1.00E-115	259	272	95 -	993	1262	177607	177874
UN39328	Rsa1.0.00039.1	784	296927	1.00E-173	308	308	100 -	284	591	256501	256808
UN39329	Rsa1.0.35376.1	1175	640	1.00E-163	316	324	97 -	442	765	164	487
UN39330	Rsa1.0.05095.1	925	14869	1.00E-129	279	293	95 -	2	292	773	1065
UN39331	Rsa1.0.00006.1	675	396176	0	442	444	99 -	233	675	307663	308106
UN39332	Rsa1.0.02975.1	1379	26322	1.00E-120	353	390	90 +	539	920	22100	22484
UN39333	Rsa1.0.27528.1	921	849	1.00E-107	203	205	99 +	118	322	3	207
UN39334	Rsa1.0.00644.1	1073	136881	1.00E-155	306	314	97 +	760	1073	52173	52485
UN39335	Rsa1.0.00694.1	660	68074	0	604	629	96 -	4	631	57553	58181
UN39336	Rsa1.0.01835.1	663	38542	1.00E-161	372	394	94 +	20	407	24246	24638
UN39337	Rsa1.0.02395.1	758	31785	1.00E-156	358	383	93 -	17	382	8334	8716
UN39338	Rsa1.0.02901.1	1309	26909	1.00E-142	344	369	93 +	938	1302	21290	21654
UN39339	Rsa1.0.04223.1	894	18407	0	410	433	94 -	1	429	6198	6629
UN39340	Rsa1.0.00340.1	1057	305782	1.00E-179	346	356	97 +	2	357	194306	194653
UN39341	Rsa1.0.00067.1	1254	415055	0	496	509	97 +	15	523	375821	376327
UN39342	Rsa1.0.02503.1	567	30709	1.00E-156	288	291	98 +	275	565	26808	27098
UN39343	Rsa1.0.02648.1	750	29073	1.00E-98	229	246	93 +	368	613	12514	12744
UN39344	Rsa1.0.02901.1	725	26909	1.00E-112	212	214	99 -	291	504	20016	20229
UN39345	Rsa1.0.00545.1	296	189649	3.00E-51	112	115	97 +	126	240	35589	35703
UN39346	Rsa1.0.00972.1	1122	57937	0	466	492	94 +	631	1119	53820	54311
UN39347	Rsa1.0.02425.1	1078	31567	2.00E-98	214	222	96 +	55	275	13694	13913
UN39348	Rsa1.0.00727.1	627	66724	1.00E-116	266	279	95 +	1	273	14962	15240
UN39349	Rsa1.0.00549.1	1147	76473	1.00E-179	341	347	98 -	7	352	303	649

UN39350	Rsa1.0_00833.1	786	62621	1.00E-168	302	303	99 -	484	786	8603	8905
UN39351	Rsa1.0_03878.1	788	20305	0	439	442	99 -	2	443	12290	12730
UN39352	Rsa1.0_00079.1	931	606987	1.00E-110	257	274	93 -	8	275	41618	41891
UN39353	Rsa1.0_00281.1	1123	99908	0	391	394	99 +	730	1123	91900	92293
UN39354	Rsa1.0_00549.1	664	76473	1.00E-143	279	286	97 +	263	548	26664	26949
UN39355	Rsa1.0_00092.1	1074	659932	0	385	399	96 +	461	859	30460	30858
UN39356	Rsa1.0_06258.1	543	11371	0	481	503	95 +	3	502	3899	4401
UN39357	Rsa1.0_00101.1	241	267193	1.00E-102	227	237	95 -	1	236	211686	211921
UN39358	Rsa1.0_01295.1	1068	49040	0	456	483	94 -	2	477	29327	29807
UN39359	Rsa1.0_00130.1	851	125737	1.00E-102	226	237	95 +	146	381	38366	38602
UN39360	Rsa1.0_00026.1	579	327835	1.00E-119	287	306	93 -	22	324	174424	174725
UN39361	Rsa1.0_00480.1	1460	81325	0	1458	1459	99 -	2	1460	7009	8467
UN39362	Rsa1.0_11741.1	1486	5423	1.00E-161	448	500	89 -	416	914	4597	5096
UN39363	Rsa1.0_00813.1	735	63202	2.00E-72	224	249	89 +	408	642	49627	49874
UN39364	Rsa1.0_00457.1	1451	337301	0	367	371	98 -	1	371	142321	142690
UN39365	Rsa1.0_13708.1	990	4447	1.00E-116	266	279	95 +	3	281	3624	3897
UN39366	Rsa1.0_02141.1	1114	34677	0	1021	1110	91 +	10	1113	25979	27077
UN39367	Rsa1.0_00497.1	1114	79830	1.00E-132	298	316	94 +	13	328	50771	51081
UN39368	Rsa1.0_00381.1	933	89718	1.00E-107	243	256	94 +	681	933	62649	62904
UN39369	Rsa1.0_05482.1	788	13595	1.00E-117	223	226	98 -	40	265	5246	5471
UN39370	Rsa1.0_00190.1	636	318240	1.00E-160	294	295	99 +	343	636	103223	103517
UN39371	Rsa1.0_04652.1	752	16515	0	449	467	96 -	9	475	10530	10996
UN39372	Rsa1.0_05482.1	742	13595	1.00E-129	257	262	98 +	1	262	4294	4552
UN39373	Rsa1.0_08102.1	1260	7901	1.00E-81	206	219	94 -	1042	1260	766	981
UN39374	Rsa1.0_00593.1	1173	143463	0	1123	1170	95 -	2	1170	64260	65419
UN39375	Rsa1.0_01857.1	789	38103	1.00E-150	278	281	98 -	366	646	22513	22793
UN39376	Rsa1.0_00670.1	571	69371	1.00E-111	207	208	99 +	363	570	39606	39813
UN39377	Rsa1.0_02648.1	650	29073	1.00E-89	171	172	99 +	30	201	11938	12109
UN39378	Rsa1.0_03169.1	837	24826	1.00E-116	228	233	97 -	397	629	17574	17806
UN39379	Rsa1.0_01650.1	599	41589	0	409	415	98 +	3	417	27292	27705
UN39380	Rsa1.0_00800.1	955	63868	1.00E-169	367	386	95 -	3	388	21908	22281
UN39381	Rsa1.0_00813.1	930	63202	0	526	558	94 +	378	929	51191	51738
UN39382	Rsa1.0_00142.1	788	121474	0	363	372	97 -	409	780	62549	62920
UN39383	Rsa1.0_01660.1	641	41400	2.00E-81	166	170	97 -	108	277	32286	32455
UN39384	Rsa1.0_00019.1	758	301669	0	458	458	100 -	301	758	293041	293498
UN39385	Rsa1.0_00679.1	1231	68971	1.00E-103	197	199	98 +	358	556	33672	33870
UN39386	Rsa1.0_08553.1	926	7210	1.00E-118	222	224	99 +	571	794	588	811
UN39387	Rsa1.0_00447.1	836	84051	1.00E-100	213	222	95 -	7	228	26801	27022
UN39388	Rsa1.0_02848.1	1579	27329	0	606	615	98 +	577	1191	23818	24432

UN39389	Rsa1.0.00258.1	740	102381	1.00E-92	195	201	97 +	1	200	45443	45643
UN39390	Rsa1.0.00202.1	605	185895	1.00E-119	221	222	99 -	1	222	12228	12449
UN39391	Rsa1.0.02404.1	880	31702	0	504	518	97 -	301	817	809	1324
UN39392	Rsa1.0.00420.1	944	86496	0	810	811	99 +	134	944	54425	55235
UN39393	Rsa1.0.01376.1	923	47004	1.00E-101	228	238	95 +	76	312	22550	22778
UN39394	Rsa1.0.00017.1	967	752458	1.00E-12	39	39	100 +	105	143	32269	32307
UN39395	Rsa1.0.02259.1	220	33299	1.00E-100	209	217	96 -	4	220	16692	16908
UN39396	Rsa1.0.00092.1	689	659932	1.00E-133	271	282	96 +	346	627	14484	14757
UN39397	Rsa1.0.00280.1	1444	99966	0	1349	1350	99 +	95	1444	37385	38733
UN39398	Rsa1.0.03491.1	687	22541	5.00E-95	393	465	84 +	146	610	9071	9535
UN39399	Rsa1.0.00179.1	794	393324	1.00E-159	322	335	96 +	468	792	250660	250993
UN39400	Rsa1.0.00180.1	835	114581	0	341	341	100 +	495	835	63449	63789
UN39401	Rsa1.0.02689.1	938	28638	1.00E-138	298	314	94 +	580	893	4141	4454
UN39402	Rsa1.0.00716.1	681	67078	1.00E-159	360	385	93 +	263	647	36370	36754
UN39403	Rsa1.0.02900.1	729	26928	1.00E-122	301	321	93 -	1	319	16858	17174
UN39404	Rsa1.0.04218.1	725	18423	2.33E-156	327	343	95 -	28	367	8963	9304
UN39405	Rsa1.0.02053.1	775	35554	0	384	398	96 -	377	771	31825	32221
UN39406	Rsa1.0.01116.1	758	142088	0	677	708	95 -	55	758	129749	130455
UN39407	Rsa1.0.00467.1	833	156542	0	794	823	96 +	3	819	92930	93745
UN39408	Rsa1.0.00197.1	632	109714	1.00E-129	253	259	97 +	1	259	78040	78298
UN39409	Rsa1.0.03740.1	550	21065	0	521	540	96 -	13	542	14484	15023
UN39410	Rsa1.0.00356.1	702	91521	0	486	511	95 +	192	698	34979	35485
UN39411	Rsa1.0.21756.1	822	1175	1.00E-102	204	209	97 +	528	736	453	661
UN39412	Rsa1.0.00251.1	756	303968	1.00E-139	324	348	93 +	421	754	147121	147468
UN39413	Rsa1.0.03607.1	819	21817	5.00E-52	108	109	99 +	149	257	1914	2022
UN39414	Rsa1.0.08259.1	1074	7641	1.00E-153	337	356	94 +	722	1068	3089	3443
UN39415	Rsa1.0.04319.1	725	17944	0	525	535	98 -	3	537	16581	17115
UN39416	Rsa1.0.00595.1	1484	341648	0	578	588	98 -	895	1482	2386	2973
UN39417	Rsa1.0.05815.1	791	12563	8.00E-91	194	202	96 -	306	507	8883	9084
UN39418	Rsa1.0.37242.1	927	605	1.00E-161	329	339	97 -	573	909	1	337
UN39419	Rsa1.0.00374.1	665	165738	0	382	382	100 +	3	384	158296	158677
UN39420	Rsa1.0.00002.1	635	601661	0	604	629	96 +	11	633	273872	274500
UN39421	Rsa1.0.02197.1	1153	33996	1.00E-126	439	514	85 -	627	1119	30444	30957
UN39422	Rsa1.0.08946.1	1876	6763	0	542	543	99 +	382	924	4367	4909
UN39423	Rsa1.0.00341.1	699	249309	1.00E-140	252	252	100 +	1	252	128445	128696
UN39424	Rsa1.0.01010.1	735	56906	1.00E-166	348	365	95 -	374	734	15547	15911
UN39425	Rsa1.0.12394.1	447	5237	1.00E-101	187	187	100 +	57	243	108	294
UN39426	Rsa1.0.00901.1	1243	60363	0	419	419	100 -	437	855	15639	16057
UN39427	Rsa1.0.14327.1	653	3518	0	398	415	95 +	237	651	233	642

UN39428	Rsa1.0_10978.1	1101	5657	0	640	645	99 +	2	646	430	1074
UN39429	Rsa1.0_01292.1	715	175783	0	561	578	97 +	1	575	144783	145360
UN39430	Rsa1.0_03579.1	1102	21969	1.00E-156	377	403	93 -	1	398	18958	19359
UN39431	Rsa1.0_01482.1	289	44855	1.00E-108	266	286	93 +	4	289	11984	12266
UN39432	Rsa1.0_00269.1	919	341668	1.00E-121	284	300	94 -	1	297	45769	46066
UN39433	Rsa1.0_00380.1	700	89748	1.00E-127	336	369	91 +	334	700	88066	88417
UN39434	Rsa1.0_03424.1	674	23064	0	660	661	99 -	12	672	8653	9313
UN39435	Rsa1.0_00645.1	1615	189716	4.00E-94	176	176	100 +	406	581	146824	146999
UN39436	Rsa1.0_00059.1	643	159650	1.00E-149	304	311	97 +	4	310	123648	123957
UN39437	Rsa1.0_02379.1	798	150705	0	373	383	97 -	81	463	140540	140922
UN39438	Rsa1.0_01668.1	804	41299	1.00E-139	281	291	96 -	90	380	40399	40689
UN39439	Rsa1.0_02105.1	808	156953	1.00E-172	346	359	96 -	230	588	149700	150058
UN39440	Rsa1.0_00869.1	673	61627	1.00E-125	336	366	91 -	316	672	53858	54221
UN39441	Rsa1.0_00079.1	599	606987	1.00E-145	309	323	95 +	279	599	536507	536827
UN39442	Rsa1.0_00244.1	1036	103590	0	444	476	93 -	562	1034	29933	30395
UN39443	Rsa1.0_01843.1	751	265131	1.00E-164	302	305	99 -	360	664	9831	10135
UN39444	Rsa1.0_00026.1	939	327835	0	930	937	99 -	3	939	25718	26654
UN39445	Rsa1.0_00502.1	741	204180	0	527	578	91 -	68	633	63796	64361
UN39446	Rsa1.0_04890.1	1243	15591	1.00E-118	259	273	94 +	971	1238	11260	11532
UN39447	Rsa1.0_03503.1	717	22445	1.00E-175	312	312	100 +	406	717	10636	10947
UN39448	Rsa1.0_00058.1	1427	159921	1.00E-117	230	235	97 +	697	931	92939	93173
UN39449	Rsa1.0_00241.1	996	104000	1.00E-145	321	339	94 -	660	996	65480	65816
UN39450	Rsa1.0_01716.1	878	40483	1.00E-154	326	340	95 -	3	334	33499	33838
UN39451	Rsa1.0_02345.1	725	32337	4.00E-89	252	279	90 -	5	270	15392	15667
UN39452	Rsa1.0_00248.1	884	163568	0	665	697	95 -	193	884	40144	40834
UN39453	Rsa1.0_00017.1	692	752458	4.00E-92	188	192	97 +	471	662	661547	661737
UN39454	Rsa1.0_00698.1	1063	67816	1.00E-102	202	206	98 +	619	824	21216	21421
UN39455	Rsa1.0_00651.1	1022	247766	6.00E-83	282	317	88 -	702	1013	90223	90524
UN39456	Rsa1.0_00055.1	552	520193	1.00E-149	282	287	98 -	229	515	353	639
UN39457	Rsa1.0_02367.1	379	32106	9.00E-89	203	214	94 -	1	214	27423	27635
UN39458	Rsa1.0_01009.1	623	56922	1.00E-142	274	280	97 -	4	283	3613	3892
UN39459	Rsa1.0_00069.1	797	403561	1.00E-110	256	270	94 +	1	266	169766	170031
UN39460	Rsa1.0_01116.1	874	142088	0	665	703	94 -	176	871	129756	130455
UN39461	Rsa1.0_00071.1	722	345714	1.00E-122	258	267	96 -	463	722	324470	324736
UN39462	Rsa1.0_03491.1	692	22541	7.00E-94	397	471	84 -	93	563	9065	9535
UN39463	Rsa1.0_00116.1	526	365886	1.00E-104	232	244	95 +	283	526	33998	34240
UN39464	Rsa1.0_00332.1	1249	94575	0	526	527	99 -	1	527	73460	73985
UN39465	Rsa1.0_04121.1	605	18951	0	462	481	96 -	5	485	13882	14362
UN39466	Rsa1.0_00869.1	684	61627	1.00E-128	345	373	92 -	322	680	53852	54222

UN39467	Rsa1.0.02922.1	870	26753	1.00E-120	277	294	94 -	547	839	12399	12689
UN39468	Rsa1.0.05653.1	604	13043	0	576	603	95 +	3	603	10801	11402
UN39469	Rsa1.0.00088.1	972	141341	0	324	324	100 +	1	324	5585	5908
UN39470	Rsa1.0.42411.1	687	529	1.00E-112	216	218	99 -	1	218	2	218
UN39471	Rsa1.0.02923.1	745	26736	1.00E-124	328	356	92 -	392	745	15751	16101
UN39472	Rsa1.0.00528.1	716	164755	1.00E-177	315	315	100 -	402	716	154920	155234
UN39473	Rsa1.0.02252.1	1103	33375	0	583	583	100 -	521	1103	27417	27999
UN39474	Rsa1.0.02226.1	903	33726	1.00E-102	277	306	90 -	605	901	10100	10395
UN39475	Rsa1.0.07936.1	657	8228	6.00E-85	169	171	98 +	489	657	4275	4445
UN39476	Rsa1.0.00015.1	751	561803	1.00E-149	416	468	88 +	115	569	483122	483579
UN39477	Rsa1.0.01246.1	863	49968	0	488	503	97 +	54	556	26897	27399
UN39478	Rsa1.0.00602.1	825	73302	0	567	568	99 +	3	570	28643	29210
UN39479	Rsa1.0.01526.1	1460	43919	0	1413	1466	96 +	3	1459	29403	30860
UN39480	Rsa1.0.00978.1	467	57739	1.00E-35	112	121	92 -	4	123	4434	4553
UN39481	Rsa1.0.04153.1	706	18807	0	703	704	99 -	3	706	15748	16451
UN39482	Rsa1.0.00281.1	846	99908	0	419	439	95 -	414	846	24104	24539
UN39483	Rsa1.0.00251.1	1504	303968	0	564	564	100 -	387	950	142909	143472
UN39484	Rsa1.0.00663.1	489	164969	0	336	337	99 +	3	339	120782	121117
UN39485	Rsa1.0.03605.1	768	21827	1.00E-122	343	376	91 -	371	733	14390	14765
UN39486	Rsa1.0.00742.1	808	66106	1.00E-128	265	275	96 -	536	808	16575	16849
UN39487	Rsa1.0.00727.1	974	66724	0	349	354	98 +	3	355	30084	30437
UN39488	Rsa1.0.00253.1	904	231292	9.00E-57	119	121	98 -	204	324	86232	86352
UN39489	Rsa1.0.00679.1	989	68971	0	987	987	100 -	1	987	64437	65423
UN39490	Rsa1.0.00005.1	514	353093	1.00E-144	260	260	100 -	3	262	143016	143275
UN39491	Rsa1.0.03381.1	755	23306	0	465	465	100 -	291	755	11568	12032
UN39492	Rsa1.0.00171.1	818	115622	1.00E-130	242	244	99 -	575	818	1283	1526
UN39493	Rsa1.0.00061.1	685	218685	0	454	455	99 -	1	455	186019	186473
UN39494	Rsa1.0.00089.1	958	406142	0	622	622	100 -	337	958	232197	232818
UN39495	Rsa1.0.04110.1	728	18998	1.00E-119	254	265	95 -	462	726	4839	5102
UN39496	Rsa1.0.00630.1	1068	71281	1.00E-171	347	359	96 +	2	356	59325	59683
UN39497	Rsa1.0.19770.1	1068	1385	1.00E-169	350	368	95 +	3	370	452	808
UN39498	Rsa1.0.00194.1	1289	110851	1.00E-136	247	247	100 -	2	248	102093	102339
UN39499	Rsa1.0.02573.1	522	29955	0	381	381	100 +	1	381	9289	9669
UN39500	Rsa1.0.01880.1	1028	37745	0	1024	1026	99 +	3	1028	18262	19287
UN39501	Rsa1.0.00347.1	1690	93048	0	435	435	100 +	1256	1690	12000	12434
UN39502	Rsa1.0.04378.1	807	17651	0	344	351	98 -	136	486	4630	4980
UN39503	Rsa1.0.01020.1	1584	56619	0	354	354	100 +	1230	1583	34373	34726
UN39504	Rsa1.0.00772.1	928	64856	7.00E-64	140	145	96 +	167	311	6216	6360
UN39505	Rsa1.0.03264.1	713	145959	1.00E-156	282	283	99 +	415	697	134142	134424

UN39506	Rsa1.0.02320.1	765	32575	0	378	380	99 -	3	382	16369	16748
UN39507	Rsa1.0.02280.1	876	33063	0	790	816	96 -	1	812	310	1124
UN39508	Rsa1.0.03583.1	643	21946	0	347	351	98 +	281	631	21107	21457
UN39509	Rsa1.0.10378.1	1128	5866	1.00E-123	296	318	93 +	811	1126	5556	5861
UN39510	Rsa1.0.05789.1	840	12620	0	795	829	95 -	11	839	7833	8660
UN39511	Rsa1.0.00010.1	519	294827	3.00E-89	200	211	94 +	186	396	247813	248023
UN39512	Rsa1.0.00651.1	881	247766	2.00E-94	176	176	100 -	4	179	91917	92092
UN39513	Rsa1.0.18611.1	885	1565	0	429	450	95 -	1	450	957	1402
UN39514	Rsa1.0.00179.1	715	393324	1.00E-154	277	277	100 +	439	715	250660	250936
UN39515	Rsa1.0.00381.1	723	89718	1.00E-168	338	351	96 +	371	721	75167	75517
UN39516	Rsa1.0.00693.1	983	161311	0	383	392	97 +	592	981	61031	61422
UN39517	Rsa1.0.01611.1	972	42269	0	384	388	98 -	585	972	24971	25358
UN39518	Rsa1.0.02834.1	700	27493	1.00E-176	369	384	96 +	315	696	24286	24667
UN39519	Rsa1.0.00213.1	704	108167	1.00E-110	287	311	92 -	399	704	14646	14954
UN39520	Rsa1.0.01880.1	1031	37745	0	953	999	95 +	36	1031	18288	19286
UN39521	Rsa1.0.00001.1	849	363028	1.00E-164	349	364	95 +	4	367	314900	315259
UN39522	Rsa1.0.00793.1	1047	64103	4.00E-93	201	209	96 +	99	305	36923	37131
UN39523	Rsa1.0.13891.1	428	4144	0	414	431	96 +	3	428	754	1181
UN39524	Rsa1.0.01078.1	513	316910	1.00E-144	266	267	99 -	11	276	290400	290666
UN39525	Rsa1.0.07051.1	715	9980	1.00E-118	216	216	100 -	22	237	9243	9458
UN39526	Rsa1.0.05815.1	1166	12563	1.00E-148	267	267	100 +	302	568	8883	9149
UN39527	Rsa1.0.01031.1	941	56236	1.00E-117	254	267	95 -	139	405	18106	18372
UN39528	Rsa1.0.02173.1	1126	34318	8.00E-98	267	297	89 +	828	1124	17284	17560
UN39529	Rsa1.0.18647.1	847	1560	1.00E-156	345	365	94 -	468	827	568	932
UN39530	Rsa1.0.00038.1	839	314568	1.00E-171	308	309	99 +	529	837	16997	17305
UN39531	Rsa1.0.05739.1	1010	12778	0	379	382	99 -	534	915	2243	2624
UN39532	Rsa1.0.02404.1	548	31702	0	348	356	97 +	140	495	907	1262
UN39533	Rsa1.0.00981.1	1554	57700	1.00E-140	278	284	97 -	1165	1446	13044	13326
UN39534	Rsa1.0.01896.1	763	37512	0	544	550	98 -	9	557	19518	20066
UN39535	Rsa1.0.00278.1	1359	231896	1.00E-161	291	292	99 +	772	1063	16257	16548
UN39536	Rsa1.0.00135.1	1292	178077	1.00E-159	288	289	99 +	343	631	165548	165836
UN39537	Rsa1.0.01214.1	1189	50599	0	418	423	98 +	770	1189	46274	46695
UN39538	Rsa1.0.00417.1	1216	395068	0	661	692	95 -	537	1214	258489	259179
UN39539	Rsa1.0.00027.1	1018	283362	0	332	332	100 -	313	644	99118	99449
UN39540	Rsa1.0.00243.1	695	103651	1.00E-112	262	280	93 +	416	694	23261	23534
UN39541	Rsa1.0.01376.1	525	47004	1.00E-156	356	378	94 +	148	524	46244	46613
UN39542	Rsa1.0.19895.1	1122	1369	1.00E-126	244	249	97 -	874	1122	1099	1342
UN39543	Rsa1.0.00200.1	834	162016	1.00E-144	301	311	96 +	525	834	104953	105261
UN39544	Rsa1.0.11720.1	1647	5430	0	338	339	99 -	1309	1647	2358	2696

UN39545	Rsa1.0.00079.1	824	606987	1.00E-120	278	295	94 -	3	291	41618	41911
UN39546	Rsa1.0.00088.1	807	141341	1.00E-161	288	288	100 +	105	392	19012	19299
UN39547	Rsa1.0.01549.1	1222	43543	0	692	702	98 +	10	711	341	1042
UN39548	Rsa1.0.16704.1	888	2060	1.00E-165	356	376	94 -	513	888	121	493
UN39549	Rsa1.0.02053.1	808	35554	0	377	392	96 -	7	397	32532	32920
UN39550	Rsa1.0.00385.1	954	89160	1.00E-140	325	352	92 +	603	954	51732	52069
UN39551	Rsa1.0.18413.1	714	1603	1.00E-165	349	367	95 +	240	606	1151	1517
UN39552	Rsa1.0.00341.1	640	249309	1.00E-118	257	267	96 -	376	640	123974	124239
UN39553	Rsa1.0.00583.1	813	74309	1.00E-124	276	290	95 -	525	813	68474	68762
UN39554	Rsa1.0.03191.1	988	145762	1.00E-124	340	369	92 +	620	986	16325	16682
UN39555	Rsa1.0.00652.1	894	70089	1.00E-160	335	349	95 +	527	871	47920	48268
UN39556	Rsa1.0.00375.1	889	90207	0	421	438	96 +	453	889	2405	2837
UN39557	Rsa1.0.02226.1	858	33726	4.00E-71	242	281	86 +	1	260	10126	10395
UN39558	Rsa1.0.02282.1	926	163951	1.00E-171	311	313	99 +	614	926	150366	150678
UN39559	Rsa1.0.14083.1	599	3824	0	441	455	96 -	147	599	1214	1667
UN39560	Rsa1.0.10067.1	597	6015	1.00E-144	260	260	100 +	337	596	24	283
UN39561	Rsa1.0.00594.1	760	73729	1.00E-118	222	224	99 +	3	226	29264	29487
UN39562	Rsa1.0.00706.1	815	291570	0	369	371	99 +	3	373	20669	21038
UN39563	Rsa1.0.01668.1	824	41299	0	414	431	96 -	397	824	33667	34096
UN39564	Rsa1.0.00060.1	821	502678	0	783	819	95 +	3	821	64706	65518
UN39565	Rsa1.0.02690.1	957	28629	1.00E-102	235	252	93 -	2	238	17941	18191
UN39566	Rsa1.0.03890.1	1138	20223	0	690	718	96 +	3	720	10379	11090
UN39567	Rsa1.0.00707.1	825	190112	1.00E-126	271	282	96 -	544	825	181036	181315
UN39568	Rsa1.0.00822.1	802	62891	1.00E-74	178	189	94 +	18	203	29940	30128
UN39569	Rsa1.0.00061.1	616	218685	0	598	619	96 +	2	615	185820	186436
UN39570	Rsa1.0.04450.1	788	17297	8.00E-94	175	175	100 +	25	199	7472	7646
UN39571	Rsa1.0.00011.1	680	225044	0	518	539	96 -	145	680	213313	213851
UN39572	Rsa1.0.08459.1	1341	7315	0	325	325	100 -	1	325	4884	5208
UN39573	Rsa1.0.01412.1	284	46311	1.00E-130	270	281	96 -	1	281	2358	2635
UN39574	Rsa1.0.00011.1	790	225044	0	549	583	94 -	200	779	213269	213851
UN39575	Rsa1.0.02253.1	608	33356	1.00E-100	198	202	98 -	331	532	25141	25342
UN39576	Rsa1.0.09527.1	1073	6311	1.00E-143	297	310	95 -	512	821	5870	6179
UN39577	Rsa1.0.00158.1	750	117999	1.00E-83	177	182	97 -	74	255	100334	100514
UN39578	Rsa1.0.00317.1	740	218290	6.00E-70	147	151	97 -	80	230	73990	74140
UN39579	Rsa1.0.00480.1	1253	81325	1.00E-167	313	318	98 +	74	391	52512	52829
UN39580	Rsa1.0.03640.1	861	21624	1.00E-145	406	457	88 -	430	861	15552	16000
UN39581	Rsa1.0.01389.1	1008	46716	0	378	391	96 +	4	392	9775	10165
UN39582	Rsa1.0.02173.1	1158	34318	1.00E-110	215	218	98 +	3	220	15521	15737
UN39583	Rsa1.0.00078.1	1064	175053	0	494	509	97 -	51	559	41372	41880

UN39584	Rsa1.0.00275.1	755	210104	0	370	378	97 +	2	376	164418	164795
UN39585	Rsa1.0.00111.1	1508	390088	1.00E-112	225	231	97 -	614	844	382034	382264
UN39586	Rsa1.0.00197.1	634	109714	1.00E-127	252	259	97 -	376	634	78040	78298
UN39587	Rsa1.0.03306.1	658	23873	0	404	429	94 +	221	649	12625	13045
UN39588	Rsa1.0.00459.1	789	82580	0	424	443	95 -	7	439	41955	42397
UN39589	Rsa1.0.00552.1	640	206757	1.00E-124	308	332	92 -	313	640	70044	70374
UN39590	Rsa1.0.00644.1	1031	136881	2.00E-95	196	202	97 -	430	631	63427	63628
UN39591	Rsa1.0.00394.1	801	148426	2.00E-85	182	189	96 -	135	323	123689	123877
UN39592	#	#	#	#	#	#	#	#	#	#	#
UN39593	Rsa1.0.00030.1	406	250988	1.00E-91	243	258	94 -	150	406	149394	149644
UN39594	Rsa1.0.03818.1	829	20668	0	806	856	94 -	1	829	19676	20531
UN39595	Rsa1.0.06386.1	996	140583	0	995	996	99 -	1	996	134507	135502
UN39596	Rsa1.0.02146.1	866	34625	0	768	774	99 +	93	866	17172	17945
UN39597	Rsa1.0.00301.1	795	365315	1.00E-141	337	367	91 -	3	357	346680	347040
UN39598	Rsa1.0.00480.1	740	81325	0	459	478	96 +	281	740	18939	19416
UN39599	Rsa1.0.02859.1	755	162118	0	741	751	98 -	7	753	153886	154635
UN39600	Rsa1.0.03605.1	683	21827	1.00E-113	291	313	92 +	26	332	14455	14765
UN39601	Rsa1.0.15186.1	896	2772	1.00E-74	155	159	97 -	110	268	1966	2124
UN39602	Rsa1.0.00112.1	979	132199	0	683	731	93 +	256	975	55783	56503
UN39603	Rsa1.0.06336.1	857	11215	0	645	676	95 +	184	857	6954	7624
UN39604	Rsa1.0.09762.1	738	6164	0	327	329	99 -	410	738	1102	1430
UN39605	Rsa1.0.00104.1	555	368722	1.00E-128	232	232	100 -	126	357	211493	211724
UN39606	Rsa1.0.00589.1	1581	209965	0	478	478	100 +	1104	1581	152952	153429
UN39607	Rsa1.0.01488.1	1493	44766	0	725	725	100 -	769	1493	32304	33028
UN39608	Rsa1.0.18748.1	684	1541	1.00E-148	309	322	95 +	364	684	186	507
UN39609	Rsa1.0.00760.1	945	65267	8.00E-76	223	254	87 -	692	937	51880	52116
UN39610	Rsa1.0.02658.1	1354	28978	1.00E-175	387	415	93 -	958	1353	5432	5846
UN39611	Rsa1.0.00079.1	938	606987	1.00E-133	270	279	96 -	20	295	41618	41896
UN39612	Rsa1.0.03001.1	746	26108	1.00E-119	276	295	93 -	455	744	9416	9707
UN39613	Rsa1.0.00472.1	1230	398134	0	367	376	97 -	559	934	166845	167220
UN39614	Rsa1.0.09200.1	786	6562	1.00E-155	317	330	96 -	457	786	5984	6313
UN39615	Rsa1.0.03439.1	816	22930	0	715	741	96 +	76	815	14985	15723
UN39616	Rsa1.0.02040.1	1508	35684	0	446	449	99 -	5	453	15642	16090
UN39617	Rsa1.0.01292.1	842	175783	1.00E-120	259	271	95 +	579	842	149086	149356
UN39618	Rsa1.0.00552.1	579	206757	1.00E-102	262	283	92 +	4	280	72824	73102
UN39619	Rsa1.0.00131.1	559	432233	1.00E-132	263	271	97 -	289	559	259328	259598
UN39620	Rsa1.0.01187.1	750	51377	1.00E-123	243	248	97 -	2	249	31230	31475
UN39621	Rsa1.0.01005.1	623	56967	1.00E-105	194	194	100 -	143	336	36763	36956
UN39622	Rsa1.0.00526.1	746	169279	0	560	583	96 +	3	578	126167	126742

UN39623	Rsa1.0.02105.1	842	156953	0	394	407	96 +	14	420	150761	151165
UN39624	Rsa1.0.00089.1	956	406142	8.00E-73	140	140	100 +	176	315	162197	162336
UN39625	Rsa1.0.00707.1	800	190112	1.00E-133	265	273	97 +	395	667	188378	188650
UN39626	Rsa1.0.00008.1	339	358124	1.00E-151	306	318	96 -	1	318	39412	39729
UN39627	Rsa1.0.00863.1	978	254535	0	596	620	96 -	362	978	251954	252566
UN39628	Rsa1.0.00363.1	409	90968	1.00E-172	306	306	100 +	104	409	53874	54179
UN39629	Rsa1.0.01928.1	1629	37192	6.00E-53	172	192	89 -	380	571	6227	6413
UN39630	Rsa1.0.01377.1	1072	46967	1.00E-179	325	327	99 -	44	370	24880	25206
UN39631	Rsa1.0.00197.1	639	109714	1.00E-177	314	314	100 -	45	358	78615	78928
UN39632	Rsa1.0.00163.1	700	116847	1.00E-135	287	301	95 -	314	614	66573	66873
UN39633	Rsa1.0.01068.1	884	55208	1.00E-164	330	342	96 +	541	882	46500	46837
UN39634	Rsa1.0.12119.1	887	5311	1.00E-135	276	285	96 +	14	298	4573	4856
UN39635	Rsa1.0.13819.1	993	4264	1.00E-126	233	234	99 +	3	236	2313	2546
UN39636	Rsa1.0.00812.1	548	63233	2.33E-156	293	302	97 +	10	310	17154	17455
UN39637	Rsa1.0.00394.1	946	148426	0	381	391	97 -	242	629	129296	129686
UN39638	Rsa1.0.00203.1	838	109129	1.00E-131	237	237	100 -	602	838	2786	3022
UN39639	Rsa1.0.01880.1	1152	37745	0	960	1013	94 +	88	1097	18294	19297
UN39640	Rsa1.0.02455.1	886	31262	0	468	495	94 +	365	839	25408	25902
UN39641	Rsa1.0.01286.1	698	49209	0	535	555	96 -	143	696	3970	4521
UN39642	Rsa1.0.25755.1	586	922	0	476	488	97 +	99	586	1	488
UN39643	Rsa1.0.07936.1	687	8228	6.00E-85	187	196	95 +	5	200	3335	3530
UN39644	Rsa1.0.00387.1	674	495407	0	662	672	98 -	1	672	468131	468797
UN39645	Rsa1.0.01123.1	1282	53359	0	404	405	99 +	2	405	14653	15057
UN39646	Rsa1.0.02226.1	850	33726	2.00E-64	158	166	95 -	604	767	10230	10395
UN39647	Rsa1.0.02442.1	482	31355	1.00E-111	241	255	94 -	238	482	12550	12804
UN39648	Rsa1.0.00583.1	807	74309	1.00E-113	275	293	93 +	1	288	68471	68762
UN39649	Rsa1.0.03618.1	1054	21744	1.00E-123	234	236	99 +	5	240	11086	11319
UN39650	Rsa1.0.00142.1	891	121474	0	435	447	97 -	69	515	62984	63430
UN39651	Rsa1.0.10313.1	807	5892	1.00E-179	387	407	95 +	403	807	639	1040
UN39652	Rsa1.0.07591.1	668	9060	1.00E-119	275	292	94 +	377	664	6177	6468
UN39653	Rsa1.0.06619.1	764	10650	1.00E-161	336	349	96 -	415	762	528	871
UN39654	Rsa1.0.04714.1	994	146738	0	489	506	96 +	487	992	139509	140009
UN39655	Rsa1.0.00731.1	856	66638	1.00E-116	216	217	99 +	640	856	12178	12394
UN39656	Rsa1.0.00594.1	726	73729	5.00E-92	248	267	92 -	1	263	30039	30303
UN39657	Rsa1.0.07984.1	1053	8130	0	420	430	97 -	13	442	5900	6329
UN39658	Rsa1.0.33878.1	900	669	1.00E-174	319	322	99 +	418	739	161	482
UN39659	Rsa1.0.00007.1	924	239325	0	428	444	96 -	19	462	210122	210565
UN39660	Rsa1.0.00088.1	721	141341	1.00E-116	218	220	99 +	351	570	19396	19615
UN39661	Rsa1.0.05633.1	430	13118	1.00E-111	280	303	92 -	1	297	4032	4333

UN39662	Rsa1.0.01042.1	723	293264	0	436	472	92 -	250	720	154039	154510
UN39663	Rsa1.0.01921.1	878	168088	0	428	435	98 +	444	878	150633	151067
UN39664	Rsa1.0.00552.1	633	206757	6.00E-91	188	194	96 -	300	493	72909	73102
UN39665	Rsa1.0.01292.1	789	175783	1.00E-108	215	220	97 -	26	245	149086	149305
UN39666	Rsa1.0.00380.1	710	89748	0	362	365	99 -	1	365	88066	88430
UN39667	Rsa1.0.03306.1	658	23873	0	404	429	94 +	221	649	12625	13045
UN39668	Rsa1.0.00019.1	787	301669	0	431	465	92 -	324	786	293049	293498
UN39669	Rsa1.0.03278.1	983	24125	1.00E-117	269	284	94 -	707	981	1989	2271
UN39670	Rsa1.0.01938.1	885	264018	0	595	636	93 -	252	885	159646	160265
UN39671	Rsa1.0.03297.1	568	23969	1.00E-125	309	333	92 +	16	343	14220	14552
UN39672	Rsa1.0.02105.1	1064	156953	0	356	367	97 -	225	591	149700	150066
UN39673	Rsa1.0.06213.1	822	11478	0	426	448	95 +	25	465	1089	1535
UN39674	Rsa1.0.01410.1	765	46345	1.00E-171	328	336	97 +	111	446	33684	34019
UN39675	Rsa1.0.00344.1	624	191774	1.00E-89	206	219	94 -	412	624	156243	156461
UN39676	Rsa1.0.01660.1	675	41400	1.00E-113	272	292	93 +	371	661	32286	32573
UN39677	Rsa1.0.00552.1	732	206757	1.00E-141	327	348	93 -	390	732	70027	70374
UN39678	Rsa1.0.00097.1	675	138858	0	360	363	99 -	313	675	13991	14353
UN39679	Rsa1.0.22508.1	591	1115	0	480	481	99 +	1	481	625	1105
UN39680	Rsa1.0.02505.1	718	30703	0	437	441	99 +	278	718	21664	22104
UN39681	Rsa1.0.00241.1	592	104000	2.00E-93	180	182	98 -	358	539	64432	64613
UN39682	Rsa1.0.00553.1	967	75983	1.00E-90	170	170	100 +	544	713	2493	2662
UN39683	Rsa1.0.00203.1	1148	109129	0	631	648	97 -	1	647	38683	39328
UN39684	Rsa1.0.02205.1	764	33923	0	654	676	96 -	4	679	5335	6007
UN39685	Rsa1.0.02872.1	899	27080	0	518	531	97 +	1	531	11219	11749
UN39686	Rsa1.0.00029.1	698	272992	1.00E-156	306	314	97 -	388	698	10255	10568
UN39687	Rsa1.0.01635.1	683	41865	0	646	682	94 -	3	683	15918	16592
UN39688	Rsa1.0.00351.1	189	413096	2.00E-88	183	189	96 -	1	189	269302	269490
UN39689	Rsa1.0.01295.1	240	49040	1.00E-110	231	240	96 -	2	239	40223	40462
UN39690	Rsa1.0.04224.1	864	18402	1.00E-165	335	346	96 -	3	348	703	1046
UN39691	Rsa1.0.00369.1	771	266462	2.33E-156	371	407	91 +	269	675	192839	193245
UN39692	Rsa1.0.10503.1	1022	5824	1.00E-143	318	339	93 -	670	1007	1941	2262
UN39693	Rsa1.0.00639.1	961	165873	0	913	945	96 +	16	960	128431	129375
UN39694	Rsa1.0.00646.1	934	70473	1.00E-108	281	303	92 -	640	934	5952	6253
UN39695	Rsa1.0.00384.1	938	89278	1.00E-147	327	352	92 -	3	336	62852	63203
UN39696	Rsa1.0.06303.1	943	11268	1.00E-122	240	246	97 -	164	409	9882	10127
UN39697	Rsa1.0.00088.1	732	141341	1.00E-125	277	292	94 +	53	343	19012	19299
UN39698	Rsa1.0.00483.1	934	81102	1.00E-127	289	302	95 +	579	877	51013	51311
UN39699	Rsa1.0.00160.1	576	346678	1.00E-149	271	272	99 +	1	272	184623	184894
UN39700	Rsa1.0.01092.1	1188	54348	0	391	391	100 +	798	1188	53690	54080

UN39701	Rsa1.0.00029.1	745	272992	1.00E-162	359	378	94 -	370	745	10192	10568
UN39702	Rsa1.0.00002.1	945	601661	1.00E-117	224	227	98 -	1	227	255597	255823
UN39703	Rsa1.0.00601.1	755	177045	1.00E-168	354	371	95 -	388	755	26139	26496
UN39704	Rsa1.0.13702.1	979	4456	1.00E-120	271	287	94 -	691	977	1738	2017
UN39705	Rsa1.0.01376.1	977	47004	0	445	460	96 +	3	462	40123	40582
UN39706	Rsa1.0.01803.1	957	173846	0	440	455	96 +	504	957	137460	137911
UN39707	Rsa1.0.01246.1	864	49968	0	488	503	97 +	53	555	26897	27399
UN39708	Rsa1.0.01835.1	582	38542	1.00E-159	312	320	97 +	190	509	20857	21175
UN39709	Rsa1.0.01934.1	812	37162	0	444	470	94 -	318	780	1822	2291
UN39710	Rsa1.0.00646.1	960	70473	1.00E-116	285	304	93 -	662	959	5953	6253
UN39711	Rsa1.0.00644.1	957	136881	1.00E-126	329	357	92 -	612	957	62725	63077
UN39712	Rsa1.0.09186.1	1576	6572	0	583	612	95 -	13	613	5556	6167
UN39713	Rsa1.0.02923.1	703	26736	1.00E-122	292	312	93 -	395	703	15792	16101
UN39714	Rsa1.0.00654.1	1481	70012	1.00E-111	217	221	98 +	606	826	966	1186
UN39715	Rsa1.0.00017.1	1017	752458	1.00E-125	282	296	95 -	10	304	11197	11490
UN39716	Rsa1.0.01789.1	763	39250	0	436	456	95 +	2	453	6152	6607
UN39717	Rsa1.0.08750.1	983	6961	1.00E-173	333	340	97 +	13	350	6080	6419
UN39718	Rsa1.0.02455.1	802	31262	0	484	494	97 -	1	493	25408	25901
UN39719	Rsa1.0.00179.1	1072	393324	1.00E-135	347	384	90 -	703	1063	51786	52169
UN39720	Rsa1.0.26340.1	903	896	1.00E-92	200	209	95 -	106	314	333	541
UN39721	Rsa1.0.02923.1	730	26736	1.00E-126	314	338	92 -	389	723	15768	16101
UN39722	Rsa1.0.00200.1	642	162016	6.00E-85	274	306	89 +	342	642	104953	105256
UN39723	Rsa1.0.18598.1	724	1567	0	614	622	98 +	103	724	258	879
UN39724	Rsa1.0.06513.1	1021	10869	4.00E-84	162	163	99 +	301	463	604	766
UN39725	Rsa1.0.00237.1	560	235974	1.00E-161	355	376	94 +	183	558	58852	59226
UN39726	Rsa1.0.00679.1	912	68971	1.00E-147	310	320	96 +	1	316	65782	66100
UN39727	Rsa1.0.00251.1	543	303968	1.00E-165	302	303	99 -	242	543	120919	121221
UN39728	Rsa1.0.00273.1	715	326186	1.00E-165	350	367	95 +	70	432	113973	114338
UN39729	Rsa1.0.06438.1	736	11017	0	593	593	100 +	141	733	1531	2123
UN39730	Rsa1.0.00079.1	684	606987	1.00E-124	288	306	94 +	1	306	198825	199128
UN39731	Rsa1.0.06175.1	1194	11569	1.00E-158	302	308	98 -	1	308	8552	8859
UN39732	Rsa1.0.00105.1	950	134138	1.00E-105	283	306	92 +	642	946	68958	69258
UN39733	Rsa1.0.00002.1	772	601661	3.00E-78	227	248	91 +	67	303	18075	18318
UN39734	Rsa1.0.00192.1	745	278200	0	412	414	99 +	2	415	26672	27085
UN39735	Rsa1.0.01249.1	763	188432	8.00E-97	186	188	98 +	258	445	151131	151318
UN39736	Rsa1.0.00804.1	1314	63726	1.00E-163	294	295	99 +	1019	1313	15548	15842
UN39737	Rsa1.0.00351.1	666	413096	1.00E-158	365	392	93 -	293	666	244437	244827
UN39738	Rsa1.0.00029.1	762	272992	1.00E-167	372	389	95 -	370	757	10187	10569
UN39739	Rsa1.0.00601.1	773	177045	1.00E-131	349	382	91 -	387	762	26131	26496

UN39740	Rsa1.0_00204.1	793	109056	1.00E-175	331	336	98 +	458	793	93161	93495
UN39741	Rsa1.0_02254.1	700	33344	1.00E-116	294	316	93 -	9	315	4778	5092
UN39742	Rsa1.0_04194.1	758	132734	0	550	580	94 -	180	758	123413	123988
UN39743	Rsa1.0_00679.1	708	68971	3.00E-96	194	199	97 +	321	519	33672	33870
UN39744	Rsa1.0_00468.1	608	82095	1.00E-143	313	325	96 -	287	608	75616	75937
UN39745	Rsa1.0_03618.1	842	21744	1.00E-102	216	222	97 +	1	221	11094	11314
UN39746	Rsa1.0_00662.1	956	192183	1.00E-162	343	361	95 +	575	930	2200	2560
UN39747	Rsa1.0_01172.1	846	51734	1.00E-145	270	273	98 -	139	411	12391	12663
UN39748	Rsa1.0_04194.1	710	132734	0	561	588	95 -	127	709	123402	123988
UN39749	Rsa1.0_00875.1	898	61371	0	837	896	93 -	3	898	6901	7779
UN39750	Rsa1.0_00527.1	916	77733	0	441	453	97 -	471	916	24575	25027
UN39751	Rsa1.0_02496.1	738	30814	1.00E-138	289	301	96 +	22	322	14686	14984
UN39752	Rsa1.0_00107.1	727	431659	1.00E-148	318	333	95 +	408	727	148415	148747
UN39753	Rsa1.0_00131.1	1150	432233	1.00E-156	367	396	92 -	473	868	194264	194659
UN39754	Rsa1.0_00265.1	714	220635	1.00E-140	315	337	93 +	388	710	197596	197932
UN39755	Rsa1.0_00028.1	1246	293984	1.00E-138	338	362	93 +	333	690	20828	21185
UN39756	Rsa1.0_05878.1	703	12344	0	376	376	100 -	322	697	1375	1750
UN39757	Rsa1.0_00178.1	660	114861	1.00E-157	288	290	99 +	371	660	12165	12454
UN39758	Rsa1.0_01117.1	932	53465	1.00E-175	442	482	91 -	471	930	40120	40598
UN39759	Rsa1.0_00734.1	776	66508	1.00E-168	447	493	90 -	3	488	44653	45142
UN39760	Rsa1.0_00337.1	902	143174	0	462	479	96 +	417	889	4654	5132
UN39761	Rsa1.0_00163.1	719	116847	1.00E-155	296	302	98 -	297	598	66573	66874
UN39762	Rsa1.0_00805.1	1236	63724	0	846	856	98 -	1	849	57517	58372
UN39763	Rsa1.0_00218.1	1030	201480	1.00E-127	241	244	98 -	565	808	172495	172738
UN39764	Rsa1.0_06438.1	685	11017	0	486	530	91 +	141	664	1531	2053
UN39765	Rsa1.0_08429.1	931	7370	2.00E-91	223	237	94 +	112	346	5519	5752
UN39766	Rsa1.0_00396.1	753	88242	1.00E-116	265	280	94 +	34	311	20263	20541
UN39767	Rsa1.0_00384.1	880	89278	1.00E-153	312	324	96 +	543	862	62852	63175
UN39768	Rsa1.0_00552.1	562	206757	1.00E-88	209	222	94 +	47	267	72881	73102
UN39769	Rsa1.0_03297.1	588	23969	1.00E-129	312	334	93 -	229	561	14221	14552
UN39770	Rsa1.0_04477.1	1002	17183	1.00E-110	260	274	94 -	737	1002	5258	5529
UN39771	Rsa1.0_52681.1	831	432	0	333	334	99 -	91	424	99	432
UN39772	Rsa1.0_00679.1	1113	68971	1.00E-101	196	199	98 +	334	532	33672	33870
UN39773	Rsa1.0_00813.1	776	63202	1.00E-100	198	202	98 -	373	574	14295	14496
UN39774	Rsa1.0_00026.1	619	327835	1.00E-133	298	312	95 -	312	619	29231	29541
UN39775	Rsa1.0_02836.1	915	27481	1.00E-111	228	236	96 -	419	654	13279	13514
UN39776	Rsa1.0_00383.1	900	398431	0	346	346	100 -	555	900	182059	182404
UN39777	Rsa1.0_13471.1	1381	4802	0	401	422	95 +	960	1380	3895	4308
UN39778	Rsa1.0_00628.1	672	214360	0	347	347	100 -	326	672	34412	34758

UN39779	Rsa1.0.00382.1	867	251946	1.00E-136	289	303	95 -	56	358	246902	247204
UN39780	Rsa1.0.01958.1	982	261128	1.00E-122	262	275	95 +	322	596	132443	132717
UN39781	Rsa1.0.00163.1	684	116847	1.00E-136	288	302	95 +	93	394	66573	66874
UN39782	Rsa1.0.01835.1	636	38542	1.00E-155	303	311	97 -	137	447	20857	21164
UN39783	Rsa1.0.00214.1	855	107508	1.00E-153	296	303	97 +	1	303	69405	69707
UN39784	Rsa1.0.00082.1	938	237584	1.00E-169	320	325	98 +	40	363	53623	53947
UN39785	Rsa1.0.01146.1	938	163455	1.00E-103	203	207	98 -	225	431	24783	24989
UN39786	Rsa1.0.00010.1	881	294827	1.00E-110	220	226	97 -	63	288	248372	248597
UN39787	Rsa1.0.02072.1	605	35401	1.00E-103	257	275	93 +	5	277	18080	18353
UN39788	Rsa1.0.19040.1	1664	1491	1.00E-168	370	392	94 -	839	1229	953	1344
UN39789	Rsa1.0.00571.1	849	329018	0	473	481	98 -	369	849	48797	49277
UN39790	Rsa1.0.00212.1	682	108350	8.00E-69	164	172	95 -	381	549	37909	38080
UN39791	Rsa1.0.00254.1	885	102600	2.00E-94	182	184	98 +	282	465	77858	78041
UN39792	Rsa1.0.01117.1	840	53465	0	366	367	99 -	475	840	40232	40598
UN39793	Rsa1.0.02226.1	596	33726	1.00E-156	280	280	100 +	317	596	27340	27619
UN39794	Rsa1.0.04630.1	746	16595	0	379	388	97 -	341	727	14513	14895
UN39795	Rsa1.0.01635.1	745	41865	0	604	605	99 -	141	745	7197	7801
UN39796	Rsa1.0.00632.1	668	183777	1.00E-153	286	290	98 -	1	290	15549	15838
UN39797	Rsa1.0.01171.1	858	51752	1.00E-135	244	244	100 +	615	858	51040	51283
UN39798	Rsa1.0.01997.1	1247	158416	1.00E-135	308	326	94 -	2	323	9828	10146
UN39799	Rsa1.0.00890.1	720	323870	1.00E-126	264	273	96 +	1	273	160762	161032
UN39800	Rsa1.0.01448.1	966	45645	5.00E-80	214	231	92 +	81	308	39384	39613
UN39801	Rsa1.0.05812.1	983	12571	0	909	940	96 -	45	983	2609	3548
UN39802	Rsa1.0.02989.1	659	26187	1.00E-149	267	267	100 +	242	508	3252	3518
UN39803	Rsa1.0.00111.1	904	390088	2.00E-88	207	216	95 +	1	213	77447	77659
UN39804	Rsa1.0.00632.1	716	183777	0	338	340	99 +	379	716	15549	15888
UN39805	Rsa1.0.01249.1	1784	188432	2.00E-84	228	252	90 -	1179	1416	176150	176401
UN39806	Rsa1.0.00019.1	770	301669	1.00E-151	407	453	89 -	316	767	293072	293498
UN39807	#	#	#	#	#	#	#	#	#	#	#
UN39808	Rsa1.0.07105.1	248	9886	1.00E-107	235	248	94 +	1	248	1527	1774
UN39809	Rsa1.0.01519.1	812	44144	0	553	589	93 +	229	811	39374	39961
UN39810	Rsa1.0.00813.1	903	63202	0	529	557	94 +	356	903	51191	51741
UN39811	Rsa1.0.00414.1	691	202190	0	689	691	99 -	1	691	180654	181344
UN39812	Rsa1.0.00273.1	697	326186	0	428	446	95 -	254	697	26631	27076
UN39813	Rsa1.0.01448.1	974	45645	1.00E-130	285	301	94 -	672	972	39313	39613
UN39814	Rsa1.0.01895.1	934	37512	1.00E-165	361	383	94 +	558	934	10218	10597
UN39815	Rsa1.0.00111.1	897	390088	0	532	556	95 -	231	780	383658	384207
UN39816	Rsa1.0.00203.1	823	109129	3.00E-75	217	238	91 -	587	818	2794	3022
UN39817	Rsa1.0.03539.1	951	22199	1.00E-130	268	277	96 -	1	277	7072	7347

UN39818	Rsa1.0.00016.1	921	831256	0	373	377	98 +	546	921	576420	576796
UN39819	Rsa1.0.04194.1	772	132734	0	555	587	94 -	187	770	123402	123988
UN39820	Rsa1.0.05878.1	721	12344	1.00E-131	265	274	96 -	321	594	1477	1750
UN39821	Rsa1.0.00813.1	811	63202	0	773	811	95 -	1	810	18511	19320
UN39822	Rsa1.0.02662.1	720	28956	2.00E-94	185	188	98 +	233	420	10660	10847
UN39823	Rsa1.0.08994.1	911	6724	0	413	438	94 -	1	434	3405	3838
UN39824	Rsa1.0.00977.1	471	198001	0	441	471	93 +	3	471	50769	51232
UN39825	Rsa1.0.00078.1	823	175053	1.00E-147	298	309	96 +	237	545	47230	47538
UN39826	Rsa1.0.00286.1	824	98709	0	823	823	100 +	1	823	4953	5775
UN39827	Rsa1.0.00198.1	990	222963	1.00E-147	294	303	97 +	62	361	154878	155180
UN39828	Rsa1.0.00860.1	1021	61789	0	575	577	99 +	445	1021	44091	44667
UN39829	Rsa1.0.00421.1	644	86365	1.00E-115	254	272	93 +	1	257	14761	15032
UN39830	Rsa1.0.05204.1	763	14516	1.00E-147	283	289	97 +	291	579	6647	6935
UN39831	Rsa1.0.00942.1	787	58873	1.00E-144	336	358	93 -	2	358	3175	3529
UN39832	Rsa1.0.00977.1	549	198001	0	509	556	91 +	5	548	47145	47693
UN39833	Rsa1.0.00361.1	907	91181	1.00E-139	267	272	98 +	152	423	12179	12450
UN39834	Rsa1.0.01536.1	854	43747	0	544	563	96 +	1	563	18787	19349
UN39835	Rsa1.0.03352.1	700	23506	4.00E-92	184	188	97 -	295	482	18148	18335
UN39836	Rsa1.0.00101.1	514	267193	1.00E-91	198	207	95 +	1	207	249709	249915
UN39837	Rsa1.0.00027.1	764	283362	1.00E-121	297	324	91 -	449	757	279841	280164
UN39838	Rsa1.0.01553.1	719	43379	1.00E-106	266	287	92 +	440	719	26451	26737
UN39839	Rsa1.0.04085.1	949	19168	1.00E-148	358	383	93 -	568	945	1523	1901
UN39840	Rsa1.0.00110.1	894	132719	0	341	344	99 +	551	893	92532	92875
UN39841	Rsa1.0.02874.1	801	27070	0	484	505	95 -	255	756	26439	26943
UN39842	Rsa1.0.00251.1	755	303968	1.00E-140	326	350	93 +	418	755	147121	147468
UN39843	Rsa1.0.14656.1	886	3183	1.00E-149	316	329	96 +	564	886	2283	2611
UN39844	Rsa1.0.00001.1	1075	363028	0	446	487	91 +	594	1075	266567	267040
UN39845	Rsa1.0.00414.1	1203	202190	1.00E-114	240	248	96 +	98	344	195818	196062
UN39846	Rsa1.0.02173.1	898	34318	0	385	386	99 -	381	766	30793	31178
UN39847	Rsa1.0.03776.1	1127	20926	1.00E-140	307	325	94 -	425	749	80	404
UN39848	Rsa1.0.00009.1	1273	232558	0	595	623	95 -	538	1160	8662	9284
UN39849	Rsa1.0.03565.1	1310	22062	1.00E-177	362	379	95 -	29	398	3777	4155
UN39850	Rsa1.0.00381.1	1424	89718	1.00E-176	319	321	99 +	1104	1424	42027	42347
UN39851	Rsa1.0.01339.1	857	47813	9.00E-63	147	155	94 +	281	435	28483	28637
UN39852	Rsa1.0.04811.1	1176	15885	7.00E-89	185	191	96 +	621	811	9717	9907
UN39853	Rsa1.0.04194.1	1197	132734	1.00E-101	219	228	96 -	971	1197	117319	117546
UN39854	Rsa1.0.01408.1	1041	46383	0	716	741	96 -	3	743	17109	17849
UN39855	Rsa1.0.03044.1	1532	25791	0	1055	1065	99 +	468	1532	5637	6701
UN39856	Rsa1.0.08285.1	1061	7606	1.00E-176	389	411	94 -	12	413	6676	7085

UN39857	Rsa1.0.00701.1	1419	67691	0	593	594	99 +	1	593	21380	21973
UN39858	Rsa1.0.01092.1	1198	54348	0	378	392	96 -	1	392	53690	54080
UN39859	Rsa1.0.16460.1	1027	2148	0	783	803	97 +	161	958	1	803
UN39860	Rsa1.0.01282.1	1111	49304	0	1058	1114	94 -	5	1107	30175	31288
UN39861	Rsa1.0.01303.1	1152	48853	0	574	579	99 -	2	580	15291	15869
UN39862	Rsa1.0.01955.1	941	36850	4.00E-99	355	404	87 +	6	389	13138	13540
UN39863	Rsa1.0.00060.1	1043	502678	7.00E-98	197	202	97 +	462	663	494424	494625
UN39864	Rsa1.0.00552.1	1150	206757	0	552	569	97 +	5	573	68043	68611
UN39865	Rsa1.0.00223.1	1316	106231	0	1068	1068	100 -	8	1075	2967	4034
UN39866	Rsa1.0.00131.1	994	432233	0	687	697	98 -	298	994	258902	259598
UN39867	Rsa1.0.00480.1	1434	81325	0	389	409	95 -	1024	1431	36861	37264
UN39868	Rsa1.0.07314.1	1181	9563	0	430	440	97 +	2	441	5968	6407
UN39869	Rsa1.0.01155.1	1043	52182	0	744	764	97 +	3	766	12181	12944
UN39870	Rsa1.0.00462.1	1219	82288	1.00E-151	278	280	99 -	376	655	37812	38091
UN39871	Rsa1.0.01941.1	887	37069	1.00E-131	255	261	97 -	621	881	30987	31247
UN39872	Rsa1.0.04772.1	1647	16040	1.00E-112	206	206	100 -	3	208	8237	8442
UN39873	Rsa1.0.00697.1	1458	67913	1.00E-163	319	327	97 -	1061	1387	31833	32157
UN39874	Rsa1.0.05822.1	1047	12521	1.00E-163	321	328	97 +	620	945	7677	8004
UN39875	Rsa1.0.00719.1	1176	66952	0	373	387	96 -	3	389	47331	47711
UN39876	Rsa1.0.01773.1	1534	39546	0	480	500	96 -	3	496	21580	22078
UN39877	Rsa1.0.04458.1	1062	17255	1.00E-130	276	288	95 +	39	326	6609	6894
UN39878	Rsa1.0.00755.1	1136	192559	1.00E-109	207	209	99 +	1	209	395	603
UN39879	Rsa1.0.01453.1	1110	45449	1.00E-134	279	287	97 +	1	285	10636	10921
UN39880	Rsa1.0.09789.1	907	6148	3.00E-87	277	311	89 -	595	898	5832	6130
UN39881	Rsa1.0.01540.1	1272	151890	0	1184	1257	94 +	1	1249	142570	143823
UN39882	Rsa1.0.01359.1	1107	47271	1.00E-143	314	331	94 +	774	1104	33553	33878
UN39883	Rsa1.0.00326.1	925	171955	1.00E-136	255	258	98 -	3	260	69918	70175
UN39884	Rsa1.0.01539.1	1333	43698	0	440	450	97 +	732	1180	4616	5064
UN39885	Rsa1.0.04224.1	1012	18402	0	382	394	96 +	610	1001	704	1095
UN39886	Rsa1.0.01945.1	1446	36989	0	1407	1447	97 +	1	1445	25701	27147
UN39887	Rsa1.0.03878.1	1210	20305	0	401	403	99 -	1	403	4840	5242
UN39888	Rsa1.0.01022.1	963	56606	1.00E-172	410	447	91 -	319	750	29073	29516
UN39889	Rsa1.0.39889.1	914	563	1.00E-96	204	211	96 +	256	464	104	314
UN39890	Rsa1.0.07577.1	1115	9092	1.00E-176	370	389	95 -	1	389	7519	7907
UN39891	Rsa1.0.03075.1	1086	25560	1.00E-125	297	320	92 +	500	819	14646	14965
UN39892	Rsa1.0.00016.1	1092	831256	1.00E-144	299	310	96 +	781	1087	663581	663890
UN39893	Rsa1.0.00176.1	819	240984	0	385	387	99 +	3	389	230972	231358
UN39894	Rsa1.0.02883.1	1002	27035	0	370	386	95 -	257	642	3528	3913
UN39895	Rsa1.0.00007.1	1190	239325	1.00E-161	366	386	94 +	806	1183	29997	30378

UN39896	Rsa1.0.00119.1	1114	467509	0	492	498	98 -	238	735	386219	386716
UN39897	Rsa1.0.01000.1	1488	57140	0	396	408	97 -	1066	1473	2343	2750
UN39898	Rsa1.0.00065.1	1196	454616	1.00E-115	238	247	96 +	313	559	241068	241314
UN39899	Rsa1.0.14172.1	872	3708	0	680	705	96 +	6	706	993	1695
UN39900	Rsa1.0.01212.1	1344	50622	0	365	375	97 -	969	1343	16152	16525
UN39901	Rsa1.0.06313.1	1053	11252	1.00E-154	326	341	95 +	316	650	6081	6421
UN39902	Rsa1.0.01363.1	1141	47195	0	415	426	97 -	5	430	674	1099
UN39903	Rsa1.0.00009.1	1659	232558	0	446	474	94 -	1200	1659	60735	61202
UN39904	Rsa1.0.02118.1	1330	34839	0	453	455	99 +	874	1328	3249	3703
UN39905	Rsa1.0.02399.1	1487	31763	0	706	727	97 +	761	1487	12962	13688
UN39906	Rsa1.0.00101.1	885	267193	1.00E-125	284	306	92 -	28	319	208637	208942
UN39907	Rsa1.0.06160.1	739	11596	0	451	486	92 +	246	730	10936	11421
UN39908	Rsa1.0.00141.1	873	121494	0	457	474	96 +	1	474	82243	82714
UN39909	Rsa1.0.05139.1	1423	14718	1.00E-154	277	277	100 +	630	906	5752	6028
UN39910	Rsa1.0.02901.1	880	26909	2.00E-82	183	192	95 +	270	461	14384	14575
UN39911	Rsa1.0.17714.1	979	1759	1.00E-148	270	271	99 +	6	276	945	1215
UN39912	Rsa1.0.02287.1	1109	32986	0	347	348	99 +	300	647	7095	7442
UN39913	Rsa1.0.01466.1	976	45161	1.00E-132	316	336	94 -	60	393	25169	25502
UN39914	Rsa1.0.02064.1	1063	35476	1.00E-158	320	332	96 +	278	609	5466	5797
UN39915	Rsa1.0.11974.1	1513	5357	0	478	484	98 +	2	485	4186	4667
UN39916	Rsa1.0.01825.1	1111	38725	0	602	629	95 -	481	1109	26222	26838
UN39917	Rsa1.0.09255.1	1092	6525	0	580	603	96 +	330	927	1257	1859
UN39918	Rsa1.0.24540.1	951	982	0	827	871	94 +	4	874	85	955
UN39919	Rsa1.0.25306.1	1041	942	0	487	493	98 -	549	1041	243	735
UN39920	Rsa1.0.00104.1	1138	368722	0	1094	1134	96 +	1	1133	71818	72950
UN39921	Rsa1.0.00734.1	811	66508	0	524	543	96 -	270	811	62123	62665
UN39922	Rsa1.0.00460.1	750	206387	0	611	627	97 -	5	631	194477	195103
UN39923	Rsa1.0.36296.1	1309	621	0	355	359	98 -	355	713	1	358
UN39924	Rsa1.0.00048.1	922	167185	1.00E-128	269	280	96 -	120	398	8087	8366
UN39925	Rsa1.0.00097.1	885	138858	1.00E-101	250	268	93 -	82	344	120893	121159
UN39926	Rsa1.0.01341.1	1240	47764	1.00E-114	233	241	96 -	726	966	15738	15978
UN39927	Rsa1.0.03890.1	995	20223	0	955	1003	95 +	1	994	1388	2383
UN39928	Rsa1.0.00888.1	964	60978	1.00E-155	305	312	97 -	657	964	13812	14123
UN39929	Rsa1.0.03170.1	643	24824	0	568	607	93 -	42	643	12891	13490
UN39930	Rsa1.0.00054.1	1019	162053	1.00E-111	227	233	97 -	787	1019	5589	5820
UN39931	Rsa1.0.08018.1	1793	8075	1.00E-127	316	345	91 -	1253	1588	5142	5477
UN39932	Rsa1.0.01591.1	1068	42718	1.00E-113	269	286	94 +	21	305	22523	22805
UN39933	Rsa1.0.19895.1	1131	1369	1.00E-135	254	257	98 +	1	257	1086	1342
UN39934	Rsa1.0.00336.1	1005	445051	1.00E-110	309	343	90 +	1	341	162030	162354

UN39935	Rsa1.0.02730.1	1178	28385	0	423	447	94 +	2	448	2448	2880
UN39936	Rsa1.0.00457.1	823	337301	1.00E-171	314	316	99 -	1	314	130569	130884
UN39937	Rsa1.0.00145.1	843	261008	6.00E-95	198	205	96 -	97	301	39719	39923
UN39938	Rsa1.0.00028.1	1952	293984	1.00E-115	232	239	97 -	205	443	266590	266828
UN39939	Rsa1.0.02228.1	1280	33688	0	569	575	98 -	55	629	16770	17344
UN39940	Rsa1.0.00483.1	755	81102	2.00E-94	216	227	95 -	530	755	56368	56592
UN39941	Rsa1.0.15735.1	1560	2455	1.00E-120	219	219	100 +	1223	1441	128	346
UN39942	Rsa1.0.00065.1	1326	454616	0	471	494	95 +	32	523	26222	26712
UN39943	Rsa1.0.01295.1	1498	49040	1.00E-159	300	305	98 -	362	666	23660	23964
UN39944	Rsa1.0.00406.1	1094	87398	1.00E-169	350	365	95 +	730	1092	53296	53660
UN39945	Rsa1.0.00265.1	1144	220635	0	494	495	99 -	648	1142	171371	171865
UN39946	Rsa1.0.00486.1	1181	80875	0	900	957	94 -	239	1179	15256	16200
UN39947	Rsa1.0.03639.1	1228	21629	1.00E-118	284	304	93 +	3	302	1984	2278
UN39948	Rsa1.0.00001.1	1011	363028	0	460	474	97 +	543	1011	335254	335726
UN39949	Rsa1.0.00437.1	878	84879	1.00E-144	351	377	93 -	499	873	70243	70609
UN39950	Rsa1.0.00108.1	878	478491	0	427	447	95 +	10	456	285756	286199
UN39951	Rsa1.0.00363.1	1131	90968	0	496	522	95 -	609	1127	9266	9780
UN39952	Rsa1.0.03218.1	1069	24539	0	386	389	99 -	3	389	5213	5601
UN39953	Rsa1.0.00385.1	907	89160	0	563	566	99 +	3	568	47349	47914
UN39954	Rsa1.0.04181.1	1229	18615	0	694	723	95 +	203	925	936	1658
UN39955	Rsa1.0.02841.1	1009	27383	1.00E-133	251	254	98 +	756	1009	5500	5753
UN39956	Rsa1.0.00175.1	1253	166121	0	445	456	97 +	1	456	139805	140254
UN39957	Rsa1.0.00322.1	1242	212233	1.00E-105	208	211	98 -	839	1048	80183	80393
UN39958	Rsa1.0.00010.1	939	294827	0	672	675	99 +	1	675	90156	90830
UN39959	Rsa1.0.00163.1	1034	116847	1.00E-134	329	351	93 +	18	361	25865	26212
UN39960	Rsa1.0.00453.1	1131	83031	0	559	577	96 +	437	1012	75551	76127
UN39961	Rsa1.0.03843.1	872	20496	3.00E-81	209	225	92 -	632	856	6124	6345
UN39962	Rsa1.0.03702.1	1724	21292	0	560	560	100 +	346	905	11676	12235
UN39963	Rsa1.0.00789.1	1081	64233	1.00E-102	223	230	96 +	3	230	43045	43273
UN39964	Rsa1.0.00360.1	1099	91190	0	417	420	99 +	1	420	43700	44119
UN39965	Rsa1.0.00196.1	906	109960	1.00E-121	262	272	96 +	633	903	72827	73095
UN39966	Rsa1.0.02841.1	844	27383	7.00E-79	191	202	94 -	647	844	287	485
UN39967	Rsa1.0.00112.1	939	132199	0	703	731	96 -	213	939	105230	105957
UN39968	Rsa1.0.14298.1	592	3561	1.00E-100	185	185	100 +	1	185	88	272
UN39969	Rsa1.0.00416.1	886	86772	1.00E-174	372	389	95 +	499	886	50852	51237
UN39970	Rsa1.0.00224.1	831	327530	0	369	380	97 +	5	382	38886	39264
UN39971	Rsa1.0.00773.1	948	64839	1.00E-109	264	288	91 -	661	948	10167	10440
UN39972	Rsa1.0.21236.1	1006	1222	1.00E-153	290	295	98 +	121	415	786	1080
UN39973	Rsa1.0.15691.1	1219	2479	1.00E-112	248	260	95 +	2	260	1416	1672

UN39974	Rsa1.0.01042.1	938	293264	0	539	561	96 -	27	585	141476	142031
UN39975	Rsa1.0.02128.1	1057	34758	0	496	504	98 +	552	1055	25609	26112
UN39976	Rsa1.0.00332.1	1336	94575	0	528	559	94 +	2	558	22437	22989
UN39977	Rsa1.0.00087.1	635	761073	0	601	629	95 +	3	631	580717	581343
UN39978	Rsa1.0.02071.1	716	35409	0	425	425	100 -	292	716	22453	22877
UN39979	Rsa1.0.01502.1	1171	44519	0	451	474	95 +	688	1158	36621	37094
UN39980	Rsa1.0.01476.1	1193	172928	1.00E-124	419	476	88 -	186	654	9187	9650
UN39981	Rsa1.0.00571.1	1282	329018	0	880	902	97 +	315	1215	143271	144172
UN39982	Rsa1.0.00096.1	1283	198773	1.00E-173	347	359	96 +	48	406	113949	114304
UN39983	Rsa1.0.03971.1	898	19788	1.00E-140	310	325	95 -	2	326	3924	4245
UN39984	Rsa1.0.01877.1	1143	37789	1.00E-111	223	229	97 +	2	230	33270	33498
UN39985	Rsa1.0.20282.1	1121	1321	7.00E-95	177	177	100 +	943	1119	226	402
UN39986	Rsa1.0.01719.1	936	40388	1.00E-130	240	241	99 -	695	935	27224	27464
UN39987	Rsa1.0.02163.1	1040	34427	0	688	707	97 -	1	706	17830	18536
UN39988	Rsa1.0.02735.1	1303	28344	0	480	526	91 +	1	525	2752	3265
UN39989	Rsa1.0.07499.1	899	9244	0	389	406	95 +	492	897	6510	6906
UN39990	Rsa1.0.00015.1	1181	561803	0	400	403	99 +	777	1179	264496	264898
UN39991	Rsa1.0.00065.1	922	454616	0	609	624	97 +	299	922	254496	255117
UN39992	Rsa1.0.00744.1	995	66084	1.00E-129	266	274	97 +	2	274	57829	58101
UN39993	Rsa1.0.00460.1	1027	206387	1.00E-160	303	308	98 +	3	307	200445	200752
UN39994	Rsa1.0.01476.1	1227	172928	1.00E-159	291	293	99 -	935	1227	137462	137754
UN39995	Rsa1.0.00169.1	990	274298	0	633	640	98 -	1	640	87856	88495
UN39996	Rsa1.0.04580.1	1237	16773	0	364	364	100 +	109	472	7343	7706
UN39997	Rsa1.0.01214.1	1023	50599	0	609	623	97 -	3	625	49762	50384
UN39998	Rsa1.0.00048.1	1076	167185	6.00E-86	190	198	95 -	5	201	6601	6798
UN39999	Rsa1.0.00222.1	1136	172263	0	413	426	96 +	93	518	39867	40291
UN40000	Rsa1.0.01261.1	1308	49744	1.00E-151	274	275	99 -	4	278	25172	25446
UN40001	Rsa1.0.00609.1	1184	72785	0	568	568	100 -	1	568	52619	53186
UN40002	Rsa1.0.00526.1	1188	169279	1.00E-157	282	282	100 -	1	282	141137	141418
UN40003	Rsa1.0.00343.1	850	93570	0	436	437	99 +	414	850	49115	49551
UN40004	Rsa1.0.00391.1	1273	183853	0	783	798	98 -	108	905	64156	64947
UN40005	Rsa1.0.01529.1	1225	43871	0	390	396	98 -	824	1218	31678	32073
UN40006	Rsa1.0.01453.1	1085	45449	2.00E-98	333	383	86 -	718	1080	25076	25448
UN40007	Rsa1.0.07959.1	740	8173	1.00E-170	321	327	98 +	197	523	5595	5921
UN40008	Rsa1.0.00162.1	1052	239935	0	1017	1053	96 -	2	1052	14939	15982
UN40009	Rsa1.0.00541.1	1104	76863	0	554	582	95 -	177	752	34322	34903
UN40010	Rsa1.0.03237.1	756	24434	1.00E-129	267	274	97 -	483	754	4661	4933
UN40011	Rsa1.0.00243.1	1245	103651	0	1206	1245	96 +	2	1245	85902	87136
UN40012	Rsa1.0.07848.1	970	8429	0	414	433	95 -	541	968	2374	2806

UN40013	Rsa1.0_00237.1	869	235974	1.00E-105	240	254	94 +	38	290	4718	4971
UN40014	Rsa1.0_01104.1	1115	285480	1.00E-134	294	311	94 +	773	1083	10212	10522
UN40015	Rsa1.0_00296.1	1229	97854	1.00E-163	327	339	96 -	385	723	52385	52717
UN40016	Rsa1.0_00341.1	1152	249309	1.00E-138	332	362	91 +	38	382	125788	126149
UN40017	Rsa1.0_04126.1	1051	18939	0	485	510	95 +	538	1043	17402	17911
UN40018	Rsa1.0_02675.1	602	28852	2.00E-75	184	194	94 +	66	257	17492	17682
UN40019	Rsa1.0_00340.1	1346	305782	1.00E-121	250	259	96 +	3	258	188897	189155
UN40020	Rsa1.0_00296.1	981	97854	0	515	515	100 -	3	517	17737	18251
UN40021	Rsa1.0_00970.1	1152	57994	0	464	490	94 -	4	487	24535	25018
UN40022	Rsa1.0_34219.1	1378	662	0	563	570	98 -	734	1301	93	662
UN40023	Rsa1.0_00129.1	795	126831	3.00E-84	227	242	93 -	548	785	113646	113884
UN40024	Rsa1.0_02575.1	883	29944	0	860	900	95 +	3	883	19899	20798
UN40025	Rsa1.0_00015.1	1067	561803	1.00E-108	218	223	97 +	842	1063	463749	463971
UN40026	Rsa1.0_00425.1	779	147080	0	559	565	98 +	41	605	75125	75689
UN40027	Rsa1.0_04384.1	1161	17629	0	375	388	96 +	750	1135	4187	4574
UN40028	Rsa1.0_00417.1	938	395068	0	827	832	99 -	107	938	386807	387638
UN40029	Rsa1.0_01846.1	652	38367	0	640	656	97 -	2	652	35556	36209
UN40030	Rsa1.0_00512.1	1063	200277	1.00E-119	236	242	97 -	499	740	63228	63469
UN40031	Rsa1.0_00036.1	1275	176186	0	360	369	97 +	478	846	102434	102802
UN40032	Rsa1.0_00293.1	460	339294	0	394	395	99 +	9	403	177088	177482
UN40033	Rsa1.0_02165.1	1113	34423	1.00E-136	363	402	90 -	717	1107	77	474
UN40034	Rsa1.0_03809.1	1130	20731	0	744	792	93 -	1	786	19080	19870
UN40035	Rsa1.0_00016.1	915	831256	1.00E-179	445	486	91 +	28	512	426926	427401
UN40036	Rsa1.0_00561.1	1249	75653	0	914	961	95 -	297	1249	4094	5053
UN40037	Rsa1.0_03352.1	1047	23506	1.00E-119	306	333	91 -	5	333	17500	17829
UN40038	Rsa1.0_02367.1	1186	32106	0	577	592	97 +	606	1186	25289	25880
UN40039	Rsa1.0_01121.1	860	53407	0	703	746	94 +	115	860	19076	19814
UN40040	Rsa1.0_00171.1	730	115622	1.00E-157	329	343	95 -	4	342	52232	52574
UN40041	Rsa1.0_00232.1	816	104936	1.00E-168	340	354	96 -	1	354	38388	38735
UN40042	Rsa1.0_00058.1	850	159921	0	410	412	99 +	1	411	84742	85153
UN40043	Rsa1.0_00237.1	1156	235974	1.00E-154	349	368	94 +	1	366	17771	18135
UN40044	Rsa1.0_00032.1	891	306326	1.00E-107	228	236	96 +	1	236	177643	177874
UN40045	Rsa1.0_00213.1	908	108167	1.00E-132	255	260	98 -	1	260	5743	6002
UN40046	Rsa1.0_00425.1	692	147080	0	516	518	99 -	1	518	1408	1925
UN40047	Rsa1.0_00237.1	827	235974	0	411	423	97 -	3	424	225556	225975
UN40048	Rsa1.0_00017.1	1141	752458	1.00E-150	336	356	94 -	1	355	578918	579270
UN40049	Rsa1.0_01803.1	1022	173846	1.00E-117	323	359	89 -	662	1016	18815	19153
UN40050	Rsa1.0_13661.1	984	4542	0	445	469	94 -	3	471	1405	1872
UN40051	Rsa1.0_03884.1	1099	20274	1.00E-167	423	467	90 -	1	467	19654	20098

UN40052	Rsa1.0_02717.1	885	28458	1.00E-124	235	238	98 -	379	616	23912	24149
UN40053	Rsa1.0_00616.1	608	195713	0	465	466	99 -	1	466	181777	182242
UN40054	Rsa1.0_00337.1	1165	143174	0	384	390	98 +	2	391	139871	140259
UN40055	Rsa1.0_00894.1	1129	269700	1.00E-101	215	222	96 -	792	1011	128137	128357
UN40056	Rsa1.0_06185.1	610	11540	1.00E-154	339	360	94 +	2	361	3968	4327
UN40057	Rsa1.0_00105.1	1240	134138	0	1110	1125	98 -	4	1125	80589	81712
UN40058	Rsa1.0_02378.1	1038	31991	0	411	426	96 -	19	444	13753	14176
UN40059	Rsa1.0_00006.1	795	396176	0	482	530	90 +	1	514	368515	369036
UN40060	Rsa1.0_04169.1	1263	18712	0	440	465	94 -	797	1253	997	1460
UN40061	Rsa1.0_00394.1	1320	148426	0	530	553	95 -	772	1320	135145	135689
UN40062	Rsa1.0_01034.1	1181	56046	0	740	757	97 +	192	948	19416	20172
UN40063	Rsa1.0_14624.1	917	3217	1.00E-150	288	292	98 +	622	912	1334	1623
UN40064	Rsa1.0_00326.1	1423	171955	0	776	779	99 -	645	1422	18835	19613
UN40065	Rsa1.0_00384.1	1155	89278	0	418	448	93 -	2	433	48409	48852
UN40066	Rsa1.0_01313.1	1300	48387	1.00E-121	221	221	100 +	945	1165	19753	19973
UN40067	Rsa1.0_05977.1	1065	12056	0	375	375	100 -	3	377	5863	6237
UN40068	Rsa1.0_09236.1	1059	6540	0	647	647	100 +	115	761	1	647
UN40069	Rsa1.0_03990.1	1112	19676	1.00E-175	432	466	92 +	653	1112	4681	5131
UN40070	Rsa1.0_02041.1	998	163634	2.00E-98	245	262	93 +	1	259	18772	19032
UN40071	Rsa1.0_02722.1	1089	28417	1.00E-169	395	425	92 -	668	1089	266	687
UN40072	Rsa1.0_00060.1	847	502678	0	404	417	96 +	30	443	390372	390786
UN40073	Rsa1.0_00551.1	1541	76227	1.00E-177	428	463	92 +	1060	1517	20659	21118
UN40074	Rsa1.0_01543.1	750	43645	0	591	606	97 +	1	604	5907	6510
UN40075	Rsa1.0_00046.1	795	320315	0	792	795	99 -	1	793	22151	22945
UN40076	Rsa1.0_10407.1	1390	5858	0	607	610	99 +	781	1390	546	1155
UN40077	Rsa1.0_01085.1	860	54539	1.00E-159	314	324	96 -	248	571	13646	13969
UN40078	Rsa1.0_07795.1	1146	8543	0	622	645	96 -	496	1140	579	1223
UN40079	Rsa1.0_05489.1	1159	13562	0	557	564	98 -	217	780	6625	7188
UN40080	Rsa1.0_00206.1	1405	109040	0	381	384	99 -	1	382	52087	52470
UN40081	Rsa1.0_04288.1	964	18077	0	381	398	95 +	1	397	4826	5222
UN40082	Rsa1.0_00789.1	1114	64233	1.00E-151	359	384	93 -	1	380	53473	53847
UN40083	Rsa1.0_00552.1	1030	206757	1.00E-102	295	328	89 -	703	1019	193060	193385
UN40084	Rsa1.0_00058.1	1219	159921	0	475	476	99 -	3	478	119077	119552
UN40085	Rsa1.0_00014.1	1183	348985	0	630	675	93 +	523	1183	323604	324270
UN40086	Rsa1.0_01883.1	947	37661	1.00E-141	347	375	92 +	583	945	22302	22676
UN40087	Rsa1.0_02280.1	1021	33063	0	963	1024	94 +	3	1020	106	1127
UN40088	Rsa1.0_00611.1	1381	72410	0	811	821	98 -	352	1169	43471	44291
UN40089	Rsa1.0_08538.1	1029	7220	0	358	365	98 -	49	413	3099	3463
UN40090	Rsa1.0_00066.1	724	152418	0	501	536	93 +	1	532	14990	15509

UN40091	Rsa1.0.01806.1	935	39021	1.00E-172	398	428	92 -	524	935	21744	22163
UN40092	Rsa1.0.03400.1	1532	23203	0	1400	1417	98 +	9	1419	13841	15257
UN40093	Rsa1.0.00118.1	1310	130637	0	576	598	96 -	715	1308	28806	29403
UN40094	Rsa1.0.15589.1	962	2532	1.00E-96	231	244	94 +	720	960	1358	1601
UN40095	Rsa1.0.00037.1	1025	307838	0	490	491	99 -	533	1023	238867	239357
UN40096	Rsa1.0.00816.1	920	403350	1.00E-123	239	244	97 +	677	920	271515	271758
UN40097	Rsa1.0.03640.1	877	21624	0	430	439	97 +	1	437	15558	15995
UN40098	Rsa1.0.00005.1	899	353093	0	360	360	100 -	540	899	122008	122367
UN40099	Rsa1.0.00009.1	818	232558	1.00E-80	156	157	99 -	242	398	118548	118704
UN40100	Rsa1.0.09385.1	984	6405	0	809	824	98 -	5	828	3183	4004
UN40101	Rsa1.0.00114.1	1170	131330	0	374	374	100 +	795	1168	86061	86434
UN40102	Rsa1.0.00088.1	800	141341	1.00E-143	313	331	94 -	479	800	108320	108650
UN40103	Rsa1.0.00464.1	1063	82253	1.00E-155	375	404	92 -	664	1057	37198	37600
UN40104	Rsa1.0.00065.1	1199	454616	0	352	360	97 +	839	1198	191624	191983
UN40105	Rsa1.0.00842.1	1096	62493	4.00E-87	167	168	99 +	1	168	27730	27897
UN40106	Rsa1.0.02200.1	702	33981	0	489	507	96 +	201	702	24077	24581
UN40107	Rsa1.0.02728.1	959	28400	1.00E-164	319	326	97 +	638	958	26853	27178
UN40108	Rsa1.0.01242.1	864	50066	1.00E-113	214	216	99 +	324	539	17101	17316
UN40109	Rsa1.0.00585.1	1038	74164	1.00E-165	347	363	95 -	2	363	59736	60098
UN40110	Rsa1.0.05319.1	934	14158	1.00E-126	271	285	95 -	592	876	418	702
UN40111	Rsa1.0.00556.1	1507	207212	0	935	975	95 +	202	1173	51917	52888
UN40112	Rsa1.0.00931.1	1030	59210	0	386	406	95 -	607	998	47841	48246
UN40113	Rsa1.0.00635.1	1169	175826	0	678	678	100 +	1	678	121662	122339
UN40114	Rsa1.0.01283.1	817	49257	0	392	409	95 +	413	815	7067	7475
UN40115	Rsa1.0.01081.1	766	499226	0	744	780	95 +	1	764	318606	319383
UN40116	Rsa1.0.72124.1	681	318	1.00E-153	307	318	96 -	134	451	1	318
UN40117	Rsa1.0.00045.1	902	328694	0	574	599	95 +	249	841	229947	230542
UN40118	Rsa1.0.01166.1	1158	51877	4.00E-72	145	147	98 -	13	159	41193	41339
UN40119	Rsa1.0.00181.1	778	114269	0	438	446	98 +	332	776	53500	53945
UN40120	Rsa1.0.01001.1	594	57077	6.00E-94	331	382	86 +	2	369	23258	23621
UN40121	Rsa1.0.03955.1	1023	19884	9.00E-79	263	293	89 -	739	1023	5838	6126
UN40122	Rsa1.0.01468.1	1092	45146	0	476	476	100 -	3	478	16769	17244
UN40123	Rsa1.0.04387.1	1328	17625	0	713	752	94 +	586	1328	7389	8137
UN40124	Rsa1.0.00265.1	1128	220635	0	353	355	99 -	769	1123	188893	189247
UN40125	Rsa1.0.04235.1	1047	18373	0	658	679	96 +	4	682	11398	12072
UN40126	Rsa1.0.04405.1	644	17508	1.00E-124	350	385	90 -	267	644	14239	14619
UN40127	Rsa1.0.00136.1	1163	122464	1.00E-150	270	270	100 +	894	1163	30698	30967
UN40128	Rsa1.0.00890.1	900	323870	0	788	871	90 +	1	871	176057	176919
UN40129	Rsa1.0.02027.1	1100	35869	0	466	487	95 +	11	497	8109	8586

UN40130	Rsa1.0_00275.1	1267	210104	1.00E-129	249	253	98 -	1014	1263	176489	176741
UN40131	Rsa1.0_02874.1	1166	27070	0	925	951	97 +	42	989	4410	5357
UN40132	Rsa1.0_05423.1	1260	13800	0	470	483	97 +	778	1258	8891	9373
UN40133	Rsa1.0_00092.1	1114	659932	0	1088	1131	96 -	3	1114	175641	176766
UN40134	Rsa1.0_00137.1	847	122457	2.00E-63	142	148	95 -	1	148	5329	5476
UN40135	Rsa1.0_00339.1	1084	222974	0	374	380	98 +	706	1084	177617	177996
UN40136	Rsa1.0_01845.1	1263	38415	7.00E-80	218	235	92 -	2	233	8035	8267
UN40137	Rsa1.0_03567.1	705	22049	0	443	448	98 +	1	448	3416	3863
UN40138	Rsa1.0_00926.1	859	195072	0	452	479	94 +	1	478	41595	42061
UN40139	Rsa1.0_13979.1	810	3964	1.00E-151	357	375	95 +	444	810	2932	3306
UN40140	Rsa1.0_02217.1	1470	33812	0	1060	1093	96 +	228	1320	30433	31522
UN40141	Rsa1.0_01758.1	1088	39747	0	401	415	96 +	338	752	37154	37568
UN40142	Rsa1.0_00032.1	893	306326	0	836	893	93 +	3	892	192340	193209
UN40143	Rsa1.0_00041.1	901	186197	0	409	428	95 +	1	428	151557	151983
UN40144	Rsa1.0_01484.1	967	44806	0	507	527	96 +	438	952	40748	41274
UN40145	Rsa1.0_03781.1	926	20891	0	704	733	96 -	17	749	11400	12130
UN40146	Rsa1.0_01331.1	988	47944	1.00E-169	380	403	94 +	1	397	29251	29653
UN40147	Rsa1.0_00498.1	928	79746	0	471	493	95 +	438	928	49512	49994
UN40148	Rsa1.0_01431.1	730	167877	0	697	728	95 +	1	728	36798	37517
UN40149	Rsa1.0_02616.1	1183	29542	0	926	942	98 -	9	950	23314	24251
UN40150	Rsa1.0_02341.1	896	32387	1.00E-123	270	281	96 +	1	278	31212	31492
UN40151	Rsa1.0_00080.1	838	190437	1.00E-115	218	219	99 +	621	838	65806	66024
UN40152	Rsa1.0_00305.1	1146	97308	0	1016	1113	91 -	2	1096	37471	38539
UN40153	Rsa1.0_00026.1	988	327835	0	576	578	99 -	94	671	43975	44552
UN40154	Rsa1.0_01701.1	909	162121	4.00E-96	188	191	98 -	127	317	26072	26262
UN40155	Rsa1.0_01937.1	1095	37147	1.00E-155	303	311	97 +	783	1093	32247	32557
UN40156	Rsa1.0_27735.1	860	841	0	374	375	99 -	2	376	446	820
UN40157	Rsa1.0_00897.1	1098	60498	1.00E-122	238	243	97 +	492	734	22614	22856
UN40158	Rsa1.0_00088.1	888	141341	1.00E-133	284	297	95 +	592	887	6655	6951
UN40159	Rsa1.0_01104.1	1383	285480	0	855	857	99 -	527	1383	263892	264748
UN40160	Rsa1.0_01553.1	724	43379	1.00E-120	258	269	95 +	458	723	26451	26718
UN40161	Rsa1.0_47960.1	991	472	1.00E-115	226	231	97 -	404	634	135	365
UN40162	Rsa1.0_00151.1	1219	119541	0	429	436	98 -	784	1219	61517	61952
UN40163	Rsa1.0_01796.1	1220	39154	0	345	351	98 +	870	1220	38212	38558
UN40164	Rsa1.0_00384.1	1019	89278	1.00E-152	304	313	97 -	3	315	12264	12575
UN40165	Rsa1.0_00911.1	1280	59943	0	1125	1156	97 -	125	1279	56165	57318
UN40166	Rsa1.0_05573.1	1451	13290	0	471	489	96 -	41	523	4157	4642
UN40167	Rsa1.0_02070.1	737	158516	0	712	716	99 +	21	735	13130	13844
UN40168	Rsa1.0_00110.1	1113	132719	1.00E-160	370	394	93 -	3	396	4280	4669

UN40169	Rsa1.0.00568.1	1224	75219	1.00E-158	308	316	97 +	299	614	4251	4566
UN40170	Rsa1.0.00119.1	637	467509	0	467	493	94 +	144	636	374988	375478
UN40171	Rsa1.0.00078.1	944	175053	0	380	388	97 +	557	944	137160	137547
UN40172	Rsa1.0.07321.1	856	9559	0	416	440	94 -	428	856	4888	5326
UN40173	Rsa1.0.00453.1	1064	83031	8.00E-73	158	164	96 -	250	413	70878	71041
UN40174	Rsa1.0.00737.1	819	66432	1.00E-168	300	300	100 +	1	300	11909	12208
UN40175	Rsa1.0.01458.1	1064	175719	1.00E-179	367	379	96 -	688	1063	33176	33554
UN40176	Rsa1.0.00894.1	1258	269700	1.00E-138	295	309	95 +	950	1257	118055	118363
UN40177	Rsa1.0.02165.1	1150	34423	1.00E-135	333	356	93 -	790	1141	4989	5342
UN40178	Rsa1.0.00476.1	901	280966	0	565	580	97 +	322	901	249078	249657
UN40179	Rsa1.0.01254.1	964	49801	1.00E-125	436	497	87 -	473	958	13794	14282
UN40180	Rsa1.0.04404.1	831	17510	0	670	688	97 +	144	831	9475	10161
UN40181	Rsa1.0.01311.1	1046	48456	0	1042	1046	99 +	1	1045	38895	39940
UN40182	Rsa1.0.00747.1	1185	66030	0	747	773	96 +	2	769	35941	36713
UN40183	Rsa1.0.00522.1	910	78103	0	324	324	100 +	1	324	60084	60407
UN40184	Rsa1.0.01295.1	922	49040	0	426	427	99 +	496	922	21320	21746
UN40185	Rsa1.0.13767.1	895	4361	0	451	466	96 +	86	551	653	1118
UN40186	Rsa1.0.02939.1	1415	26595	0	506	542	93 +	2	529	16742	17273
UN40187	Rsa1.0.00189.1	1272	111830	0	376	377	99 -	3	379	57598	57974
UN40188	Rsa1.0.01696.1	1120	301850	0	710	737	96 -	1	732	273492	274228
UN40189	Rsa1.0.44085.1	1209	510	0	337	337	100 -	249	585	70	406
UN40190	Rsa1.0.01989.1	943	36439	0	371	384	96 +	1	384	21637	22020
UN40191	Rsa1.0.02680.1	1479	28721	0	1417	1448	97 -	31	1478	17591	19036
UN40192	Rsa1.0.18563.1	1179	1574	1.00E-162	347	365	95 +	816	1178	528	892
UN40193	Rsa1.0.06797.1	1274	10342	1.00E-153	312	322	96 +	1	319	5085	5406
UN40194	Rsa1.0.00388.1	1206	88890	1.00E-127	246	251	98 -	945	1195	63420	63670
UN40195	Rsa1.0.02092.1	1414	35135	0	861	888	96 +	531	1414	27152	28036
UN40196	Rsa1.0.00677.1	546	69159	1.00E-110	215	219	98 +	326	544	20837	21055
UN40197	Rsa1.0.01785.1	1081	39368	0	678	720	94 -	334	1050	28295	29000
UN40198	Rsa1.0.07453.1	972	9368	0	594	608	97 -	1	608	2199	2804
UN40199	Rsa1.0.04773.1	1069	16037	0	647	671	96 -	395	1065	10619	11288
UN40200	Rsa1.0.00706.1	967	291570	0	670	699	95 -	262	957	23266	23961
UN40201	Rsa1.0.00592.1	1173	73788	0	482	488	98 +	680	1166	25616	26101
UN40202	Rsa1.0.01111.1	1056	53669	1.00E-166	344	357	96 +	1	353	39891	40244
UN40203	Rsa1.0.00275.1	1248	210104	0	457	482	94 -	613	1091	206518	206995
UN40204	Rsa1.0.00476.1	2101	280966	0	891	921	96 -	1186	2101	232346	233264
UN40205	Rsa1.0.05366.1	971	14036	0	360	362	99 -	333	694	8072	8433
UN40206	Rsa1.0.00034.1	922	260119	0	412	421	97 -	503	922	15166	15586
UN40207	Rsa1.0.02134.1	1189	34726	0	614	615	99 +	574	1188	15296	15910

UN40208	Rsa1.0.00012.1	1125	222148	0	784	856	91 +	130	972	110283	111109
UN40209	Rsa1.0.00135.1	1335	178077	2.33E-156	448	506	88 -	266	765	165807	166298
UN40210	Rsa1.0.00207.1	927	248736	0	483	486	99 +	444	927	22526	23011
UN40211	Rsa1.0.02064.1	946	35476	1.00E-96	257	280	91 -	6	278	9518	9792
UN40212	Rsa1.0.02101.1	1013	35017	0	966	1013	95 +	3	1013	20148	21148
UN40213	Rsa1.0.01049.1	419	55655	1.00E-145	389	426	91 +	1	419	39587	40002
UN40214	Rsa1.0.06939.1	776	10137	0	332	333	99 +	2	334	3507	3838
UN40215	Rsa1.0.05360.1	1208	14053	1.00E-161	298	301	99 -	123	423	12218	12518
UN40216	Rsa1.0.02045.1	1400	35650	0	565	619	91 -	516	1134	34229	34847
UN40217	Rsa1.0.02658.1	1132	28978	1.00E-172	341	351	97 +	1	351	11694	12043
UN40218	Rsa1.0.02111.1	691	34913	0	339	339	100 +	353	691	34570	34908
UN40219	Rsa1.0.00001.1	386	363028	6.00E-56	117	119	98 +	111	229	313972	314090
UN40220	Rsa1.0.00270.1	1090	101236	1.00E-114	325	360	90 +	3	362	62757	63106
UN40221	Rsa1.0.00006.1	730	396176	0	465	488	95 +	1	485	307629	308106
UN40222	Rsa1.0.05081.1	825	136103	0	350	350	100 -	1	350	5006	5355
UN40223	Rsa1.0.00347.1	1176	93048	1.00E-172	413	447	92 +	3	449	90999	91440
UN40224	Rsa1.0.00570.1	1333	75002	0	718	731	98 -	4	734	31697	32424
UN40225	Rsa1.0.05049.1	1094	15025	0	402	403	99 +	1	403	8807	9209
UN40226	Rsa1.0.01487.1	951	44784	3.00E-78	158	161	98 +	704	864	1518	1678
UN40227	Rsa1.0.11393.1	1076	5521	1.00E-176	364	381	95 -	1	381	205	585
UN40228	Rsa1.0.00224.1	1234	327530	0	504	528	95 -	403	930	13085	13605
UN40229	Rsa1.0.00083.1	809	442773	1.00E-137	344	377	91 +	1	376	251627	251986
UN40230	Rsa1.0.27704.1	1206	842	0	356	356	100 +	851	1206	442	797
UN40231	Rsa1.0.00486.1	740	80875	0	430	449	95 +	5	452	32579	33022
UN40232	Rsa1.0.06831.1	912	10294	1.00E-130	313	337	92 -	576	907	4166	4497
UN40233	Rsa1.0.00001.1	792	363028	0	470	496	94 -	297	788	240616	241099
UN40234	Rsa1.0.00088.1	817	141341	1.00E-101	212	218	97 +	600	817	108001	108215
UN40235	Rsa1.0.01978.1	797	36546	1.00E-123	249	256	97 +	542	797	12510	12764
UN40236	Rsa1.0.00194.1	725	110851	0	656	690	95 -	1	683	54321	54997
UN40237	Rsa1.0.00207.1	619	248736	0	515	533	96 +	34	560	194305	194836
UN40238	Rsa1.0.05804.1	635	12586	0	600	637	94 -	3	635	9664	10300
UN40239	Rsa1.0.00087.1	695	761073	5.00E-95	240	257	93 +	6	261	191417	191671
UN40240	Rsa1.0.00816.1	915	403350	0	574	583	98 -	3	585	127627	128209
UN40241	Rsa1.0.38612.1	851	583	1.00E-129	246	250	98 -	600	849	98	347
UN40242	Rsa1.0.00975.1	899	57865	0	734	758	96 +	3	759	55288	56041
UN40243	Rsa1.0.01418.1	1090	46237	1.00E-168	303	304	99 +	484	787	6787	7090
UN40244	Rsa1.0.00030.1	1137	250988	0	770	798	96 +	1	795	141399	142194
UN40245	Rsa1.0.02648.1	1021	29073	1.00E-152	320	333	96 +	689	1021	20666	20996
UN40246	Rsa1.0.01600.1	796	42537	1.00E-122	304	326	93 -	381	704	8671	8994

UN40247	Rsa1.0.00351.1	1260	413096	0	436	445	97 +	490	934	234253	234697
UN40248	Rsa1.0.02897.1	1267	26967	0	567	570	99 +	103	672	20103	20671
UN40249	Rsa1.0.00122.1	915	265937	1.00E-113	241	252	95 -	417	668	99996	100247
UN40250	Rsa1.0.00893.1	1056	60626	0	651	681	95 -	378	1056	43119	43797
UN40251	Rsa1.0.02893.1	583	26999	7.00E-75	236	264	89 -	326	583	24351	24614
UN40252	Rsa1.0.01970.1	1093	36648	0	1078	1096	98 +	3	1093	30312	31406
UN40253	Rsa1.0.00471.1	1501	81897	1.00E-158	327	340	96 +	1156	1492	1928	2265
UN40254	Rsa1.0.11280.1	786	5558	0	357	368	97 +	343	710	4869	5236
UN40255	Rsa1.0.05398.1	1181	13885	1.00E-107	296	327	90 +	3	326	13504	13819
UN40256	Rsa1.0.02170.1	1787	34352	0	910	928	98 +	518	1445	28526	29444
UN40257	Rsa1.0.00529.1	393	77487	1.00E-57	147	156	94 +	9	160	25138	25293
UN40258	Rsa1.0.00596.1	720	73578	0	487	488	99 +	2	489	45251	45738
UN40259	Rsa1.0.00190.1	1228	318240	2.00E-64	135	138	97 -	117	254	198961	199098
UN40260	Rsa1.0.00784.1	1053	64359	0	433	446	97 -	615	1053	7565	8009
UN40261	Rsa1.0.00331.1	810	176754	1.00E-153	284	287	98 +	192	478	99092	99378
UN40262	Rsa1.0.00525.1	1119	78030	0	1081	1126	96 +	1	1119	47430	48554
UN40263	Rsa1.0.00412.1	1156	86935	0	390	391	99 -	3	393	49290	49680
UN40264	Rsa1.0.03594.1	1639	21868	0	796	823	96 -	273	1095	15258	16080
UN40265	Rsa1.0.00693.1	1233	161311	0	1053	1065	98 -	34	1096	41422	42480
UN40266	Rsa1.0.01957.1	1962	36844	0	931	938	99 -	230	1165	25211	26148
UN40267	Rsa1.0.00119.1	874	467509	6.00E-95	276	306	90 +	310	603	247326	247627
UN40268	Rsa1.0.15767.1	1046	2435	1.00E-135	280	292	95 -	633	924	258	549
UN40269	Rsa1.0.00663.1	868	164969	1.00E-99	212	221	95 -	648	868	126484	126704
UN40270	Rsa1.0.00238.1	1245	193193	0	691	759	91 -	38	771	4529	5264
UN40271	Rsa1.0.01026.1	791	171624	1.00E-116	224	228	98 +	1	228	158799	159026
UN40272	Rsa1.0.03956.1	1231	19872	0	464	499	92 +	1	488	17831	18323
UN40273	Rsa1.0.00857.1	990	61904	0	507	535	94 -	335	866	44584	45110
UN40274	Rsa1.0.00084.1	546	142338	0	321	321	100 +	224	544	39553	39873
UN40275	Rsa1.0.00122.1	1073	265937	0	855	900	95 +	176	1073	239355	240245
UN40276	Rsa1.0.07775.1	835	8594	0	357	363	98 +	472	834	614	973
UN40277	Rsa1.0.13492.1	1012	4775	0	445	445	100 -	1	445	3396	3840
UN40278	Rsa1.0.04022.1	1370	19534	0	472	492	95 -	878	1362	1103	1594
UN40279	Rsa1.0.00101.1	1255	267193	0	1197	1263	94 -	2	1251	89126	90379
UN40280	Rsa1.0.00041.1	630	186197	1.00E-132	275	287	95 -	39	325	27167	27453
UN40281	Rsa1.0.00197.1	1701	109714	0	1482	1499	98 -	2	1500	84124	85622
UN40282	Rsa1.0.04478.1	1406	17183	0	721	753	95 +	654	1406	3267	4014
UN40283	Rsa1.0.00086.1	604	439854	0	376	389	96 +	42	427	342217	342604
UN40284	Rsa1.0.01387.1	1026	46745	1.00E-120	252	259	97 +	549	805	31955	32212
UN40285	Rsa1.0.01571.1	1375	43000	0	397	417	95 +	975	1373	13732	14148

UN40286	Rsa1.0.36744.1	1111	614	0	399	418	95 +	153	570	94	511
UN40287	Rsa1.0.01435.1	1471	45942	0	539	582	92 +	901	1469	41020	41596
UN40288	Rsa1.0.04057.1	1081	19333	0	566	575	98 +	507	1081	18260	18833
UN40289	Rsa1.0.31506.1	1180	725	0	699	737	94 -	74	801	1	725
UN40290	Rsa1.0.01448.1	842	45645	0	825	869	94 +	3	842	15660	16528
UN40291	Rsa1.0.00019.1	778	301669	0	664	675	98 -	1	675	273565	274239
UN40292	Rsa1.0.02099.1	1271	35030	1.00E-134	264	270	97 +	932	1201	2291	2558
UN40293	Rsa1.0.01516.1	1649	44196	0	631	663	95 -	76	734	37369	38031
UN40294	Rsa1.0.00119.1	803	467509	0	543	562	96 +	248	803	56896	57450
UN40295	Rsa1.0.02450.1	916	31288	0	740	785	94 +	133	916	16924	17682
UN40296	Rsa1.0.00505.1	971	79323	0	342	342	100 +	625	966	76389	76730
UN40297	Rsa1.0.00269.1	1022	341668	0	447	475	94 -	506	979	323921	324393
UN40298	Rsa1.0.00493.1	741	80007	0	649	667	97 -	81	741	77205	77868
UN40299	Rsa1.0.00181.1	865	114269	0	583	598	97 -	268	865	92862	93454
UN40300	Rsa1.0.01050.1	961	55651	1.00E-143	273	278	98 -	1	278	27609	27886
UN40301	Rsa1.0.00192.1	840	278200	0	436	458	95 +	4	461	37931	38378
UN40302	Rsa1.0.65165.1	444	352	6.00E-84	182	188	96 -	4	187	7	194
UN40303	Rsa1.0.00616.1	854	195713	1.00E-147	271	273	99 +	582	854	194554	194826
UN40304	Rsa1.0.04235.1	962	18373	0	786	805	97 +	3	806	16326	17121
UN40305	Rsa1.0.00175.1	1021	166121	0	497	504	98 -	518	1021	61841	62344
UN40306	Rsa1.0.00779.1	937	64568	1.00E-141	295	308	95 +	161	468	32275	32579
UN40307	Rsa1.0.00386.1	606	89134	0	588	605	97 -	1	605	68766	69370
UN40308	Rsa1.0.01058.1	697	55430	0	567	587	96 -	5	581	34454	35038
UN40309	Rsa1.0.00211.1	824	228189	1.00E-153	284	287	98 -	143	429	213634	213920
UN40310	Rsa1.0.00044.1	719	271658	2.33E-156	277	282	98 -	17	298	57062	57343
UN40311	Rsa1.0.00497.1	859	79830	1.00E-171	367	385	95 +	461	843	73170	73554
UN40312	Rsa1.0.00082.1	1008	237584	1.00E-173	367	384	95 +	3	385	55288	55670
UN40313	Rsa1.0.00589.1	1110	209965	1.00E-136	270	278	97 -	357	634	197377	197654
UN40314	Rsa1.0.00435.1	1406	317579	0	557	558	99 +	352	909	51331	51888
UN40315	Rsa1.0.00164.1	1164	116642	0	1064	1109	95 -	59	1163	70421	71529
UN40316	Rsa1.0.00642.1	979	201230	0	940	977	96 +	2	978	154505	155470
UN40317	Rsa1.0.00087.1	1021	761073	1.00E-163	291	291	100 -	368	658	729346	729636
UN40318	Rsa1.0.02867.1	997	27121	0	899	922	97 +	75	995	682	1591
UN40319	Rsa1.0.05496.1	1300	13533	1.00E-148	269	270	99 +	1028	1297	13075	13344
UN40320	Rsa1.0.07541.1	1611	9167	0	1312	1332	98 -	96	1427	1730	3061
UN40321	Rsa1.0.03668.1	598	21483	0	421	446	94 -	3	442	11438	11881
UN40322	Rsa1.0.00625.1	1026	71672	0	588	617	95 -	414	1026	14860	15475
UN40323	Rsa1.0.01721.1	1279	40345	0	593	605	98 -	5	608	24212	24814
UN40324	Rsa1.0.00790.1	789	148693	0	563	564	99 +	225	788	49119	49682

UN40325	Rsa1.0.02645.1	1122	29158	0	882	908	97 -	215	1122	17502	18408
UN40326	Rsa1.0.02383.1	935	31931	0	609	650	93 +	1	634	15229	15878
UN40327	Rsa1.0.01626.1	927	41989	1.00E-110	217	222	97 +	13	234	714	935
UN40328	Rsa1.0.02396.1	872	31783	1.00E-118	252	264	95 +	609	872	27111	27374
UN40329	Rsa1.0.00108.1	1179	478491	0	448	461	97 +	717	1177	91768	92226
UN40330	Rsa1.0.10792.1	1340	5719	0	359	365	98 -	976	1340	1300	1664
UN40331	Rsa1.0.00662.1	1131	192183	1.00E-101	241	255	94 -	1	253	53109	53361
UN40332	Rsa1.0.00453.1	850	83031	1.00E-135	319	337	94 +	508	841	19304	19634
UN40333	Rsa1.0.03465.1	852	22700	0	361	366	98 -	487	851	9959	10324
UN40334	Rsa1.0.00123.1	902	325650	1.00E-163	327	338	96 -	122	456	305219	305556
UN40335	Rsa1.0.00194.1	1138	110851	1.00E-127	266	277	96 -	429	705	96995	97268
UN40336	Rsa1.0.00593.1	903	143463	0	632	681	92 -	1	659	55065	55743
UN40337	Rsa1.0.00482.1	803	81162	8.00E-51	103	103	100 -	407	509	5789	5891
UN40338	Rsa1.0.00427.1	557	189678	0	405	417	97 +	144	557	153301	153717
UN40339	Rsa1.0.08080.1	1024	137363	0	1022	1023	99 +	2	1024	3272	4294
UN40340	Rsa1.0.00423.1	270	86138	4.00E-81	216	232	93 -	38	269	10889	11115
UN40341	Rsa1.0.00336.1	1050	445051	0	586	624	93 +	61	681	25324	25940
UN40342	Rsa1.0.31858.1	655	716	0	498	510	97 +	3	511	207	716
UN40343	Rsa1.0.00197.1	841	109714	0	567	601	94 +	140	740	64829	65425
UN40344	Rsa1.0.01206.1	875	50772	0	800	836	95 -	17	846	25627	26462
UN40345	Rsa1.0.02196.1	1195	34005	0	480	496	96 +	699	1194	8945	9436
UN40346	Rsa1.0.00502.1	785	204180	0	524	541	96 -	192	732	181112	181649
UN40347	Rsa1.0.00015.1	782	561803	0	737	782	94 +	1	782	253961	254718
UN40348	Rsa1.0.05819.1	1253	12543	0	698	714	97 +	3	713	2207	2917
UN40349	Rsa1.0.02812.1	999	27660	0	390	409	95 +	591	998	16559	16961
UN40350	Rsa1.0.16840.1	1466	2017	0	1108	1117	99 -	5	1120	2	1117
UN40351	Rsa1.0.02346.1	514	32337	1.00E-159	317	328	96 +	1	328	10193	10520
UN40352	Rsa1.0.01417.1	1065	46252	0	406	419	96 +	617	1035	20533	20947
UN40353	Rsa1.0.34075.1	993	665	0	458	482	95 -	3	481	9	489
UN40354	Rsa1.0.47220.1	761	479	1.00E-136	264	269	98 -	494	760	108	376
UN40355	Rsa1.0.00304.1	782	97429	0	746	766	97 -	2	764	19168	19929
UN40356	Rsa1.0.00217.1	1166	107079	0	489	492	99 +	635	1126	60711	61202
UN40357	Rsa1.0.04653.1	1031	16509	1.00E-152	350	373	93 +	648	1019	2773	3139
UN40358	Rsa1.0.04111.1	559	18991	0	528	566	93 +	2	559	11207	11765
UN40359	Rsa1.0.01282.1	1074	49304	1.00E-117	294	316	93 -	767	1072	28018	28331
UN40360	Rsa1.0.01986.1	485	36489	1.00E-180	354	364	97 +	118	479	23647	24007
UN40361	Rsa1.0.00170.1	859	179538	1.00E-163	294	295	99 -	565	859	28575	28869
UN40362	Rsa1.0.05163.1	525	14628	3.00E-92	172	172	100 -	172	343	14457	14628
UN40363	Rsa1.0.00192.1	828	278200	0	755	755	100 +	74	828	251255	252009

UN40364	Rsa1.0.00863.1	1011	254535	1.00E-175	369	387	95 -	1	386	213547	213933
UN40365	Rsa1.0.08538.1	885	7220	0	629	647	97 -	254	884	2071	2717
UN40366	Rsa1.0.08776.1	962	6932	1.00E-169	305	306	99 -	1	306	2706	3011
UN40367	Rsa1.0.00494.1	693	79967	0	601	636	94 -	3	623	3814	4449
UN40368	Rsa1.0.00116.1	457	365886	0	436	457	95 -	3	457	154854	155308
UN40369	Rsa1.0.21516.1	1748	1196	0	1037	1052	98 +	313	1360	148	1196
UN40370	Rsa1.0.01094.1	1096	167285	0	545	552	98 -	187	738	53683	54234
UN40371	Rsa1.0.01294.1	588	49090	9.00E-53	127	134	94 +	167	300	11942	12075
UN40372	Rsa1.0.00476.1	560	280966	1.00E-107	275	298	92 +	271	558	157895	158191
UN40373	Rsa1.0.00018.1	832	410899	1.00E-112	282	306	92 +	535	832	262610	262912
UN40374	Rsa1.0.00576.1	1324	178949	0	1313	1322	99 -	1	1321	163132	164453
UN40375	Rsa1.0.00040.1	608	324196	0	543	564	96 -	16	579	163973	164535
UN40376	Rsa1.0.00251.1	1123	303968	0	564	574	98 +	550	1123	142909	143482
UN40377	Rsa1.0.00861.1	1526	61759	0	1215	1266	95 +	270	1525	22432	23681
UN40378	Rsa1.0.00101.1	950	267193	0	423	425	99 -	1	425	208637	209061
UN40379	Rsa1.0.00979.1	878	57733	0	402	409	98 -	470	877	1000	1407
UN40380	Rsa1.0.09224.1	1128	6545	0	558	558	100 +	1	558	663	1220
UN40381	Rsa1.0.01146.1	670	163455	0	330	330	100 -	1	330	162766	163095
UN40382	Rsa1.0.00014.1	1142	348985	0	555	623	89 -	517	1136	331467	332065
UN40383	Rsa1.0.03439.1	858	22930	0	737	769	95 +	92	858	14985	15748
UN40384	Rsa1.0.00016.1	888	831256	0	483	493	97 -	268	757	786099	786591
UN40385	Rsa1.0.00813.1	793	63202	1.00E-103	202	206	98 +	198	403	14295	14500
UN40386	Rsa1.0.00112.1	1064	132199	1.00E-164	392	428	91 -	376	803	116397	116809
UN40387	Rsa1.0.03646.1	1077	21598	1.00E-159	312	321	97 +	286	606	11101	11421
UN40388	Rsa1.0.02020.1	1012	173211	1.00E-162	358	379	94 +	537	911	172619	172996
UN40389	Rsa1.0.00447.1	1046	84051	1.00E-106	217	224	96 +	821	1044	26801	27024
UN40390	Rsa1.0.04399.1	1151	17543	0	597	645	92 -	1	645	13835	14467
UN40391	Rsa1.0.00238.1	945	193193	0	492	503	97 -	444	943	192126	192627
UN40392	Rsa1.0.00067.1	791	415055	0	388	402	96 +	76	477	313494	313895
UN40393	Rsa1.0.00398.1	1031	88007	1.00E-170	341	352	96 -	3	354	44624	44974
UN40394	Rsa1.0.02365.1	1076	32118	0	662	713	92 -	355	1053	18005	18715
UN40395	Rsa1.0.00088.1	898	141341	0	887	888	99 +	1	887	45721	46608
UN40396	Rsa1.0.00660.1	413	69688	5.00E-66	134	136	98 -	214	349	46315	46450
UN40397	Rsa1.0.00015.1	1908	561803	0	449	464	96 +	2	465	291495	291952
UN40398	Rsa1.0.00293.1	500	339294	0	494	497	99 +	2	498	301567	302062
UN40399	Rsa1.0.01251.1	1073	49873	0	424	433	97 +	598	1029	7546	7978
UN40400	Rsa1.0.00210.1	1047	108424	1.00E-164	339	354	95 +	100	453	50760	51109
UN40401	Rsa1.0.00188.1	1555	112020	0	1494	1574	94 -	3	1555	22007	23564
UN40402	Rsa1.0.01316.1	817	48325	2.00E-88	211	223	94 +	2	223	5571	5788

UN40403	Rsa1.0.00010.1	896	294827	1.00E-112	221	226	97 +	605	830	248372	248597
UN40404	Rsa1.0.05822.1	742	12521	0	530	576	92 +	175	738	11655	12214
UN40405	Rsa1.0.01660.1	883	41400	0	386	396	97 -	1	396	27246	27638
UN40406	Rsa1.0.00018.1	1032	410899	1.00E-133	280	290	96 -	741	1030	102834	103121
UN40407	Rsa1.0.02955.1	861	26484	0	380	394	96 -	367	760	8	401
UN40408	Rsa1.0.00913.1	1251	59914	0	600	600	100 -	1	600	17896	18495
UN40409	Rsa1.0.00203.1	824	109129	1.00E-101	196	199	98 -	3	201	4021	4219
UN40410	Rsa1.0.00556.1	730	207212	0	701	735	95 -	2	726	43742	44474
UN40411	Rsa1.0.00637.1	963	71038	0	536	568	94 -	3	565	29637	30202
UN40412	Rsa1.0.01119.1	646	53459	1.00E-118	267	280	95 +	371	643	42440	42718
UN40413	Rsa1.0.01043.1	1192	55893	0	570	574	99 -	619	1192	20999	21572
UN40414	Rsa1.0.29217.1	974	789	1.00E-107	306	343	89 +	606	935	335	677
UN40415	Rsa1.0.05217.1	604	142938	0	601	601	100 -	4	604	134917	135517
UN40416	Rsa1.0.03355.1	1122	23489	0	802	822	97 +	1	822	13889	14710
UN40417	Rsa1.0.00607.1	1348	73146	0	390	396	98 -	921	1316	69384	69779
UN40418	Rsa1.0.00153.1	1281	192931	0	537	539	99 +	5	543	86727	87265
UN40419	Rsa1.0.01220.1	468	161775	1.00E-118	322	351	91 +	125	467	138711	139049
UN40420	Rsa1.0.08429.1	889	7370	0	352	355	99 -	1	355	1371	1725
UN40421	Rsa1.0.04099.1	1128	19060	1.00E-110	255	271	94 +	843	1108	12639	12908
UN40422	Rsa1.0.01026.1	888	171624	1.00E-177	345	353	97 +	12	360	2997	3349
UN40423	Rsa1.0.00722.1	863	66840	0	683	691	98 -	1	689	3803	4493
UN40424	Rsa1.0.00014.1	1417	348985	0	1170	1181	99 +	238	1415	164032	165212
UN40425	Rsa1.0.01768.1	954	138463	1.00E-128	239	241	99 +	53	293	103423	103663
UN40426	Rsa1.0.02768.1	1036	28110	0	430	451	95 +	585	1035	26304	26749
UN40427	Rsa1.0.00123.1	901	325650	0	391	397	98 +	461	857	248385	248781
UN40428	Rsa1.0.17771.1	1329	1744	0	810	857	94 -	482	1329	337	1193
UN40429	Rsa1.0.04214.1	1917	18437	0	1087	1110	97 -	1	1104	4036	5145
UN40430	Rsa1.0.00307.1	1364	199003	1.00E-121	341	379	89 -	989	1364	80030	80391
UN40431	Rsa1.0.00387.1	1337	495407	1.00E-110	215	219	98 -	155	373	392287	392505
UN40432	Rsa1.0.00464.1	732	82253	0	708	717	98 -	18	731	64411	65126
UN40433	Rsa1.0.02467.1	1576	31141	1.00E-72	146	148	98 -	613	760	9764	9911
UN40434	Rsa1.0.00095.1	838	283384	0	800	848	94 +	7	838	96423	97259
UN40435	Rsa1.0.01047.1	1129	55705	0	1092	1130	96 +	9	1127	39412	40541
UN40436	Rsa1.0.00104.1	1218	368722	0	1215	1216	99 -	1	1216	152958	154173
UN40437	Rsa1.0.00198.1	1178	222963	1.00E-101	261	283	92 +	908	1178	127560	127841
UN40438	Rsa1.0.02929.1	1496	26673	0	1484	1494	99 -	3	1496	13880	15372
UN40439	Rsa1.0.00252.1	939	102760	0	480	498	96 +	446	939	57128	57623
UN40440	Rsa1.0.00087.1	990	761073	0	586	588	99 +	403	990	41123	41710
UN40441	Rsa1.0.00017.1	1104	752458	0	652	688	94 +	357	1034	187371	188058

UN40442	Rsa1.0.05964.1	1000	12087	1.00E-90	345	403	85 -	582	981	6240	6636
UN40443	Rsa1.0.00710.1	567	67325	1.00E-116	237	244	97 +	325	567	1773	2016
UN40444	Rsa1.0.00911.1	1024	59943	0	714	749	95 +	110	858	28829	29574
UN40445	Rsa1.0.00059.1	1215	159650	0	476	492	96 -	730	1215	121140	121628
UN40446	Rsa1.0.00949.1	813	58549	1.00E-155	319	329	96 +	481	808	39561	39886
UN40447	Rsa1.0.02684.1	1764	28676	0	708	709	99 +	434	1142	26292	27000
UN40448	Rsa1.0.00048.1	1006	167185	0	654	662	98 +	345	1006	162537	163197
UN40449	Rsa1.0.09303.1	605	6469	0	345	353	97 +	1	353	6117	6469
UN40450	Rsa1.0.00069.1	726	403561	1.00E-89	216	230	93 +	495	720	200655	200884
UN40451	Rsa1.0.00545.1	945	189649	0	408	411	99 -	3	413	32439	32849
UN40452	Rsa1.0.05100.1	1076	14853	1.00E-124	255	264	96 -	801	1061	1926	2189
UN40453	Rsa1.0.08909.1	772	6799	1.00E-171	473	526	89 +	3	519	4803	5296
UN40454	Rsa1.0.15782.1	926	2423	0	776	781	99 +	2	782	602	1382
UN40455	Rsa1.0.00007.1	936	239325	0	691	726	95 -	211	935	50213	50936
UN40456	Rsa1.0.00012.1	924	222148	1.00E-172	392	425	92 +	391	803	110697	111109
UN40457	Rsa1.0.05811.1	539	12572	1.00E-170	378	400	94 +	149	539	11595	11992
UN40458	Rsa1.0.08001.1	956	8095	0	390	400	97 +	557	956	1475	1874
UN40459	Rsa1.0.04910.1	1289	15484	0	637	660	96 +	634	1286	5632	6291
UN40460	Rsa1.0.04215.1	1062	18437	0	801	887	90 +	3	868	7587	8451
UN40461	Rsa1.0.01938.1	870	264018	0	592	627	94 -	245	870	159652	160265
UN40462	Rsa1.0.00734.1	844	66508	0	465	488	95 -	3	490	44653	45139
UN40463	Rsa1.0.02041.1	1076	163634	0	420	421	99 -	1	420	33067	33487
UN40464	Rsa1.0.09538.1	883	6301	1.00E-166	317	321	98 -	565	883	2111	2431
UN40465	Rsa1.0.00804.1	919	63726	1.00E-139	255	256	99 -	3	258	53121	53376
UN40466	Rsa1.0.13762.1	816	4370	0	590	609	96 -	208	816	3762	4370
UN40467	Rsa1.0.00089.1	999	406142	1.00E-100	213	220	96 +	784	999	342938	343157
UN40468	Rsa1.0.00047.1	778	168582	3.00E-90	190	197	96 +	80	276	97866	98062
UN40469	Rsa1.0.08317.1	780	7554	0	748	762	98 -	18	778	1844	2605
UN40470	Rsa1.0.37069.1	617	608	0	462	466	99 -	152	617	144	608
UN40471	Rsa1.0.00323.1	856	159650	0	414	433	95 +	430	855	148152	148581
UN40472	Rsa1.0.00205.1	573	193401	1.00E-133	297	313	94 -	262	572	79323	79635
UN40473	Rsa1.0.00140.1	1579	121541	0	376	379	99 +	402	780	117693	118071
UN40474	Rsa1.0.05739.1	903	12778	0	377	382	98 -	476	857	2243	2624
UN40475	Rsa1.0.02803.1	887	27715	0	772	787	98 -	98	884	17275	18061
UN40476	Rsa1.0.25309.1	765	942	1.00E-106	199	200	99 +	241	440	402	601
UN40477	Rsa1.0.00387.1	811	495407	1.00E-127	231	231	100 -	470	700	340053	340283
UN40478	Rsa1.0.01783.1	958	39383	0	500	520	96 +	439	958	33733	34250
UN40479	Rsa1.0.10932.1	501	5673	0	405	419	96 +	78	495	2610	3028
UN40480	Rsa1.0.02393.1	689	31795	0	421	421	100 -	265	685	6799	7219

UN40481	Rsa1.0.00740.1	525	215972	2.00E-87	228	244	93 +	284	525	1704	1945
UN40482	Rsa1.0.00017.1	787	752458	0	453	478	94 -	41	518	222799	223275
UN40483	Rsa1.0.00055.1	680	520193	1.00E-64	265	321	82 -	2	283	180121	180441
UN40484	Rsa1.0.03491.1	688	22541	7.00E-97	393	464	84 -	78	541	9072	9535
UN40485	Rsa1.0.00612.1	1410	72376	0	612	646	94 +	771	1410	18645	19290
UN40486	Rsa1.0.01339.1	784	47813	1.00E-136	323	345	93 -	21	365	14806	15141
UN40487	Rsa1.0.07790.1	574	8563	1.00E-176	363	378	96 -	188	560	695	1072
UN40488	Rsa1.0.00925.1	762	59481	0	463	482	96 +	3	484	20078	20551
UN40489	Rsa1.0.19807.1	728	1380	2.00E-66	165	177	93 -	552	728	524	700
UN40490	Rsa1.0.01119.1	923	53459	1.00E-117	251	261	96 -	5	261	13992	14252
UN40491	Rsa1.0.00133.1	717	123768	1.00E-120	324	355	91 -	1	346	36170	36514
UN40492	Rsa1.0.01459.1	651	45277	3.00E-99	287	316	90 -	337	651	42957	43259
UN40493	Rsa1.0.01559.1	434	43262	2.00E-71	254	290	87 +	158	434	27156	27437
UN40494	Rsa1.0.00660.1	619	69688	1.00E-98	214	223	95 +	24	245	15771	15993
UN40495	Rsa1.0.02777.1	797	27986	1.00E-139	272	279	97 -	24	302	25025	25303
UN40496	Rsa1.0.03958.1	529	19868	1.00E-125	274	288	95 +	235	516	16483	16770
UN40497	Rsa1.0.02269.1	1248	33168	1.00E-117	280	299	93 +	954	1248	18242	18538
UN40498	Rsa1.0.00146.1	888	149343	0	415	416	99 -	473	888	53961	54375
UN40499	Rsa1.0.05049.1	756	15025	1.00E-175	417	438	95 +	332	756	4126	4563
UN40500	Rsa1.0.00087.1	891	761073	1.00E-135	308	326	94 +	569	890	225356	225679
UN40501	Rsa1.0.00123.1	1056	325650	0	440	466	94 -	1	452	47946	48405
UN40502	Rsa1.0.00173.1	925	288743	1.00E-133	242	242	100 -	1	242	44823	45064
UN40503	Rsa1.0.07309.1	940	9572	0	481	513	93 +	429	940	4292	4801
UN40504	Rsa1.0.00826.1	1049	166736	0	449	486	92 +	569	1046	130040	130521
UN40505	Rsa1.0.00040.1	1134	324196	0	606	634	95 +	501	1133	33258	33889
UN40506	Rsa1.0.07207.1	579	9720	1.00E-141	279	287	97 +	292	578	8629	8915
UN40507	Rsa1.0.05984.1	1082	12031	2.00E-61	139	145	95 -	868	1012	8669	8813
UN40508	Rsa1.0.00102.1	866	135497	0	369	377	97 -	3	379	58088	58460
UN40509	Rsa1.0.00131.1	1160	432233	1.00E-135	300	317	94 +	310	623	408531	408844
UN40510	Rsa1.0.00333.1	1451	94500	1.00E-157	285	286	99 -	57	342	50447	50732
UN40511	Rsa1.0.02599.1	822	29660	0	571	598	95 -	81	672	4092	4684
UN40512	Rsa1.0.03036.1	1044	25826	0	599	622	96 -	317	937	20418	21033
UN40513	Rsa1.0.00309.1	861	96883	6.00E-95	260	287	90 -	1	271	66985	67269
UN40514	Rsa1.0.00828.1	930	62744	1.00E-126	229	229	100 -	3	231	9576	9804
UN40515	Rsa1.0.04319.1	488	17944	3.00E-83	172	177	97 -	310	486	14754	14930
UN40516	Rsa1.0.00707.1	907	190112	4.00E-65	142	147	96 -	4	150	182523	182669
UN40517	Rsa1.0.00622.1	880	71822	0	719	769	93 +	2	770	52553	53317
UN40518	Rsa1.0.00152.1	700	257730	0	631	718	87 -	1	698	75856	76544
UN40519	Rsa1.0.00575.1	1143	74791	0	374	387	96 +	1	381	58647	59033

UN40520	Rsa1.0.00110.1	776	132719	1.00E-141	300	315	95 -	8	322	92532	92846
UN40521	Rsa1.0.00088.1	775	141341	0	461	463	99 +	1	463	66408	66870
UN40522	Rsa1.0.00228.1	1161	105511	1.00E-175	311	311	100 +	1	311	92504	92814
UN40523	Rsa1.0.06728.1	1108	10455	1.00E-102	232	244	95 +	5	248	6340	6579
UN40524	Rsa1.0.05321.1	1264	14154	1.00E-75	154	157	98 +	740	896	6323	6479
UN40525	Rsa1.0.04134.1	299	149811	1.00E-108	220	226	97 +	75	299	8952	9177
UN40526	Rsa1.0.00063.1	926	156150	1.00E-150	294	302	97 +	621	922	138349	138650
UN40527	Rsa1.0.04779.1	885	16008	8.00E-85	238	261	91 -	630	885	9506	9765
UN40528	Rsa1.0.00454.1	969	216970	0	658	717	91 -	271	969	187199	187900
UN40529	Rsa1.0.07809.1	1039	8503	0	982	1036	94 +	25	1039	1020	2047
UN40530	Rsa1.0.01476.1	791	172928	1.00E-131	291	300	97 -	490	781	134328	134627
UN40531	Rsa1.0.00652.1	932	70089	1.00E-142	257	257	100 +	1	257	22777	23033
UN40532	Rsa1.0.04397.1	1059	17555	0	536	553	96 +	506	1057	3221	3768
UN40533	Rsa1.0.00029.1	1237	272992	0	619	670	92 -	215	859	258085	258746
UN40534	Rsa1.0.00055.1	1412	520193	0	1092	1118	97 +	24	1138	198067	199178
UN40535	Rsa1.0.01305.1	1297	48730	0	485	503	96 -	314	816	18860	19362
UN40536	Rsa1.0.06247.1	685	11395	1.00E-102	250	268	93 +	11	275	8608	8875
UN40537	Rsa1.0.00056.1	900	332604	1.00E-110	236	247	95 -	167	413	20195	20441
UN40538	Rsa1.0.01286.1	590	49209	0	483	512	94 -	38	549	4034	4529
UN40539	Rsa1.0.00706.1	567	291570	1.00E-139	352	376	93 -	202	566	20668	21038
UN40540	Rsa1.0.00482.1	897	81162	1.00E-108	214	219	97 +	676	894	6470	6688
UN40541	Rsa1.0.00387.1	729	495407	1.00E-118	228	232	98 -	414	645	344428	344659
UN40542	Rsa1.0.03191.1	1326	145762	0	400	402	99 -	923	1324	22071	22472
UN40543	Rsa1.0.00111.1	1013	390088	1.00E-129	410	460	89 +	591	1013	56041	56497
UN40544	Rsa1.0.30083.1	1116	763	0	364	374	97 +	8	381	1	373
UN40545	Rsa1.0.02606.1	760	29635	0	369	379	97 +	373	748	7554	7927
UN40546	Rsa1.0.20105.1	1113	1340	0	373	384	97 +	730	1113	457	839
UN40547	Rsa1.0.03422.1	667	23076	1.00E-122	385	432	89 -	20	433	9861	10291
UN40548	Rsa1.0.05122.1	956	14791	1.00E-102	201	205	98 +	276	480	9372	9576
UN40549	Rsa1.0.05713.1	792	12855	3.00E-81	184	190	96 +	559	745	2417	2606
UN40550	Rsa1.0.00419.1	949	86562	1.00E-113	231	236	97 -	73	308	15075	15308
UN40551	Rsa1.0.01750.1	994	39816	1.00E-129	266	275	96 -	663	937	25469	25742
UN40552	Rsa1.0.03422.1	613	23076	1.00E-145	398	437	91 -	2	426	9861	10289
UN40553	Rsa1.0.27356.1	784	856	1.00E-160	522	583	89 -	7	576	94	666
UN40554	Rsa1.0.00123.1	995	325650	1.00E-149	309	320	96 +	1	319	216022	216340
UN40555	Rsa1.0.04218.1	433	18423	3.00E-70	138	139	99 -	70	208	14295	14433
UN40556	Rsa1.0.19562.1	727	1414	1.00E-100	191	193	98 +	533	725	1	193
UN40557	Rsa1.0.02616.1	810	29542	0	524	524	100 -	164	687	78	601
UN40558	Rsa1.0.00416.1	931	86772	9.00E-51	124	131	94 +	800	930	77990	78120

UN40559	Rsa1.0.01651.1	700	41586	5.00E-95	190	193	98 -	2	193	37065	37257
UN40560	Rsa1.0.00415.1	1573	86795	0	1134	1160	97 -	417	1572	72573	73729
UN40561	Rsa1.0.00789.1	454	64233	0	436	475	91 -	1	454	13089	13560
UN40562	Rsa1.0.00040.1	1108	324196	1.00E-135	290	307	94 -	418	724	70238	70534
UN40563	Rsa1.0.18678.1	1620	1553	0	356	357	99 +	985	1341	1	357
UN40564	Rsa1.0.03352.1	1026	23506	0	944	1017	92 -	3	1015	4620	5603
UN40565	Rsa1.0.00429.1	677	85559	1.00E-110	203	203	100 +	1	203	16447	16649
UN40566	Rsa1.0.02628.1	1082	29369	1.00E-144	275	280	98 +	491	770	7499	7778
UN40567	Rsa1.0.02268.1	605	33172	1.00E-153	284	287	98 -	319	605	17290	17576
UN40568	Rsa1.0.00016.1	1018	831256	1.00E-158	374	405	92 +	601	1005	785585	785967
UN40569	Rsa1.0.01149.1	781	160459	1.00E-102	231	245	94 -	27	271	43118	43362
UN40570	Rsa1.0.00963.1	1009	58176	6.00E-86	231	249	92 +	13	259	26300	26545
UN40571	Rsa1.0.00064.1	830	240927	6.00E-70	162	171	94 -	659	829	58889	59059
UN40572	Rsa1.0.00529.1	1291	77487	1.00E-139	270	275	98 +	1	274	15487	15761
UN40573	Rsa1.0.01668.1	1055	41299	0	865	889	97 +	159	1047	14368	15256
UN40574	Rsa1.0.00218.1	665	201480	0	455	468	97 +	138	603	151868	152334
UN40575	Rsa1.0.00124.1	1051	262503	0	777	842	92 +	237	1051	60323	61164
UN40576	Rsa1.0.06732.1	1239	10449	0	360	374	96 +	866	1239	6813	7176
UN40577	Rsa1.0.03826.1	1346	20614	1.00E-158	290	292	99 +	848	1139	14877	15168
UN40578	Rsa1.0.01146.1	829	163455	1.00E-141	348	378	92 -	460	822	16434	16809
UN40579	Rsa1.0.14871.1	686	2999	1.00E-107	212	217	97 +	389	605	2735	2951
UN40580	Rsa1.0.00304.1	1248	97429	2.33E-156	300	308	97 +	939	1246	70399	70703
UN40581	Rsa1.0.00120.1	741	277288	1.00E-150	356	383	92 +	365	734	266327	266707
UN40582	Rsa1.0.00203.1	1139	109129	1.00E-158	284	284	100 -	3	286	23222	23505
UN40583	Rsa1.0.00586.1	1017	163802	0	536	557	96 +	3	557	145622	146177
UN40584	Rsa1.0.00218.1	999	201480	0	460	473	97 -	527	999	101413	101883
UN40585	Rsa1.0.08430.1	1293	7367	0	517	550	94 +	24	562	5277	5821
UN40586	Rsa1.0.02420.1	704	31580	1.00E-179	590	675	87 +	4	670	15996	16655
UN40587	Rsa1.0.18758.1	1012	1540	0	381	384	99 -	628	1011	428	811
UN40588	Rsa1.0.02684.1	1048	28676	1.00E-164	294	294	100 -	2	295	3552	3845
UN40589	Rsa1.0.01280.1	988	49321	0	640	669	95 +	322	987	36964	37629
UN40590	Rsa1.0.00050.1	456	237174	1.00E-180	369	382	96 +	77	456	180825	181204
UN40591	Rsa1.0.09683.1	1353	6213	0	668	757	88 +	615	1352	2086	2828
UN40592	Rsa1.0.00235.1	796	154696	0	414	436	94 -	362	796	139939	140365
UN40593	Rsa1.0.00677.1	987	69159	1.00E-168	309	312	99 +	676	987	20016	20327
UN40594	Rsa1.0.00012.1	828	222148	1.00E-162	289	289	100 +	2	290	10311	10599
UN40595	Rsa1.0.00786.1	1114	64285	0	441	444	99 +	671	1114	63348	63791
UN40596	Rsa1.0.01414.1	923	149508	1.00E-172	364	380	95 +	544	923	115746	116120
UN40597	Rsa1.0.03005.1	685	26082	0	629	650	96 +	3	650	19679	20324

UN40598	Rsa1.0.01261.1	801	49744	0	753	767	98 -	35	801	30867	31629
UN40599	Rsa1.0.00199.1	689	249604	0	462	481	96 +	3	483	31869	32349
UN40600	Rsa1.0.04943.1	688	15376	0	674	688	97 -	5	687	6022	6708
UN40601	Rsa1.0.17967.1	863	1699	1.00E-110	312	347	89 +	191	536	817	1163
UN40602	Rsa1.0.15215.1	860	2752	1.00E-163	328	342	95 +	509	850	1684	2015
UN40603	Rsa1.0.04581.1	1137	16772	1.00E-154	320	333	96 -	12	341	6485	6814
UN40604	Rsa1.0.01650.1	579	41589	0	530	574	92 +	8	579	27296	27865
UN40605	Rsa1.0.00651.1	881	247766	0	451	451	100 -	3	453	207681	208131
UN40606	Rsa1.0.00757.1	551	65559	0	524	549	95 +	3	551	41585	42122
UN40607	Rsa1.0.04808.1	1242	15893	1.00E-176	333	339	98 -	907	1241	4840	5178
UN40608	Rsa1.0.05653.1	598	13043	0	550	583	94 +	2	582	10811	11392
UN40609	Rsa1.0.00188.1	509	112020	1.00E-168	461	510	90 -	3	507	4408	4906
UN40610	Rsa1.0.01666.1	777	173972	0	774	774	100 -	2	775	18516	19289
UN40611	Rsa1.0.07444.1	826	9386	1.00E-149	289	296	97 -	279	574	524	819
UN40612	Rsa1.0.00934.1	1376	193516	0	758	772	98 -	1	771	175856	176622
UN40613	Rsa1.0.05782.1	1095	12646	0	337	338	99 -	612	949	8062	8399
UN40614	Rsa1.0.34344.1	1113	659	0	466	466	100 -	3	468	112	577
UN40615	Rsa1.0.04191.1	962	18578	0	426	429	99 +	524	952	7426	7854
UN40616	Rsa1.0.01270.1	599	49574	0	584	597	97 -	3	598	32025	32620
UN40617	#	#	#	#	#	#	#	#	#	#	#
UN40618	Rsa1.0.00033.1	832	515811	0	445	445	100 +	388	832	476598	477042
UN40619	Rsa1.0.00644.1	936	136881	1.00E-134	267	275	97 -	406	680	51437	51711
UN40620	Rsa1.0.00078.1	897	175053	1.00E-128	295	316	93 +	5	320	140373	140677
UN40621	Rsa1.0.04022.1	821	19534	1.00E-134	246	247	99 -	3	249	6268	6514
UN40622	Rsa1.0.04763.1	1570	16094	3.00E-64	145	150	96 +	1421	1570	388	536
UN40623	Rsa1.0.05239.1	1394	14410	0	1368	1400	97 +	1	1393	11688	13078
UN40624	Rsa1.0.00867.1	1092	61635	1.00E-150	273	274	99 -	1	274	37898	38171
UN40625	Rsa1.0.41105.1	976	546	1.00E-173	340	349	97 -	629	976	197	545
UN40626	Rsa1.0.02803.1	1217	27715	1.00E-136	262	267	98 +	336	602	25322	25588
UN40627	Rsa1.0.00284.1	653	323267	0	602	645	93 -	3	644	232426	233058
UN40628	Rsa1.0.00180.1	930	114581	0	402	413	97 +	517	929	111408	111816
UN40629	Rsa1.0.02428.1	1600	31542	0	391	399	97 +	1	399	15082	15479
UN40630	Rsa1.0.00092.1	723	659932	0	418	445	93 -	233	675	242851	243294
UN40631	Rsa1.0.00059.1	822	159650	0	676	694	97 +	3	696	101545	102234
UN40632	Rsa1.0.00320.1	926	95784	1.00E-160	355	371	95 -	561	926	61029	61399
UN40633	Rsa1.0.03813.1	1043	20708	1.00E-135	244	244	100 +	800	1043	2017	2260
UN40634	Rsa1.0.05076.1	570	14916	1.00E-160	301	306	98 -	2	307	7475	7780
UN40635	Rsa1.0.02320.1	1256	32575	0	1098	1141	96 +	2	1142	28833	29973
UN40636	Rsa1.0.00097.1	1638	138858	1.00E-173	427	458	93 -	1183	1638	76009	76458

UN40637	Rsa1.0.00991.1	925	143101	0	496	524	94 +	5	528	125225	125748
UN40638	Rsa1.0.00095.1	770	283384	0	738	771	95 -	4	768	96419	97187
UN40639	Rsa1.0.01104.1	778	285480	0	357	358	99 +	419	776	35112	35469
UN40640	Rsa1.0.00363.1	1246	90968	1.00E-156	292	296	98 +	3	298	5375	5670
UN40641	Rsa1.0.01600.1	797	42537	0	393	398	98 -	401	797	8598	8994
UN40642	Rsa1.0.00737.1	820	66432	3.00E-87	288	332	86 -	490	820	11909	12208
UN40643	Rsa1.0.08250.1	1167	7658	0	551	586	94 -	576	1159	2554	3121
UN40644	Rsa1.0.00113.1	1193	131574	0	582	584	99 +	610	1192	86939	87522
UN40645	Rsa1.0.04643.1	1101	16546	0	676	707	95 +	1	706	1665	2371
UN40646	Rsa1.0.01484.1	1337	44806	5.00E-53	256	302	84 +	805	1102	15951	16252
UN40647	Rsa1.0.16246.1	1408	2228	0	881	926	95 -	487	1407	1133	2048
UN40648	Rsa1.0.05595.1	1165	13228	1.00E-160	287	287	100 -	874	1160	8904	9190
UN40649	Rsa1.0.02289.1	966	32981	1.00E-157	296	301	98 +	308	608	15317	15617
UN40650	Rsa1.0.00341.1	1701	249309	0	937	945	99 -	749	1693	192890	193834
UN40651	Rsa1.0.00306.1	1036	146760	0	449	450	99 -	151	600	133202	133651
UN40652	Rsa1.0.05938.1	1308	12173	0	745	748	99 -	557	1303	6548	7295
UN40653	Rsa1.0.00525.1	654	78030	4.00E-89	329	383	85 -	290	652	24008	24385
UN40654	Rsa1.0.00251.1	1508	303968	0	716	718	99 -	6	723	154064	154781
UN40655	Rsa1.0.04355.1	788	146733	1.00E-89	184	188	97 +	165	351	4258	4445
UN40656	Rsa1.0.00715.1	573	67116	0	474	519	91 -	52	570	63635	64137
UN40657	Rsa1.0.00223.1	1205	106231	0	968	1005	96 -	190	1191	41540	42541
UN40658	Rsa1.0.00500.1	1257	272308	0	1240	1258	98 -	4	1257	109867	111120
UN40659	Rsa1.0.00404.1	715	87635	1.00E-126	329	367	89 +	8	353	85844	86207
UN40660	Rsa1.0.01373.1	1155	47052	2.00E-67	160	170	94 +	430	599	2046	2209
UN40661	Rsa1.0.01168.1	1233	153765	0	1230	1231	99 -	3	1233	7023	8253
UN40662	Rsa1.0.04215.1	661	18437	0	604	605	99 -	1	605	8205	8809
UN40663	Rsa1.0.00067.1	795	415055	0	753	754	99 +	1	754	436	1189
UN40664	Rsa1.0.37242.1	935	605	1.00E-153	329	345	95 +	19	363	1	337
UN40665	Rsa1.0.00011.1	717	225044	0	475	496	95 -	222	717	213358	213851
UN40666	Rsa1.0.12341.1	813	5250	1.00E-130	290	306	94 +	516	812	2307	2612
UN40667	Rsa1.0.00279.1	1616	100039	0	868	868	100 -	749	1616	1711	2578
UN40668	Rsa1.0.04356.1	1278	17764	0	1276	1277	99 +	1	1276	2636	3912
UN40669	Rsa1.0.00020.1	1146	283099	0	451	466	96 -	113	577	152621	153083
UN40670	Rsa1.0.00615.1	772	72235	1.00E-159	315	325	96 +	187	511	25400	25724
UN40671	Rsa1.0.00168.1	753	115870	1.00E-122	280	296	94 -	2	293	38162	38455
UN40672	Rsa1.0.00381.1	766	89718	0	400	420	95 +	348	764	75167	75586
UN40673	Rsa1.0.00878.1	1081	330303	0	927	1030	90 -	67	1078	121172	122199
UN40674	Rsa1.0.00048.1	601	167185	1.00E-113	318	352	90 -	253	601	144479	144821
UN40675	Rsa1.0.02020.1	925	173211	1.00E-161	365	387	94 +	537	923	172619	173001

UN40676	Rsa1.0.00173.1	737	288743	1.00E-126	263	274	95 +	118	387	41089	41362
UN40677	Rsa1.0.07066.1	1573	9954	1.00E-153	316	327	96 -	1245	1571	5842	6161
UN40678	Rsa1.0.33048.1	1203	687	1.00E-109	523	627	83 -	347	970	1	614
UN40679	Rsa1.0.00556.1	1144	207212	0	406	428	94 +	1	423	33444	33859
UN40680	Rsa1.0.03569.1	638	22041	2.00E-75	192	208	92 +	3	209	9061	9259
UN40681	Rsa1.0.00384.1	939	89278	1.00E-171	335	345	97 -	3	347	62852	63196
UN40682	Rsa1.0.00744.1	716	66084	1.00E-177	397	421	94 +	1	418	56503	56916
UN40683	Rsa1.0.19002.1	747	1496	3.00E-96	207	215	96 +	534	747	1041	1255
UN40684	Rsa1.0.00339.1	1171	222974	0	496	517	95 -	1	503	179296	179810
UN40685	Rsa1.0.00120.1	959	277288	1.00E-119	281	298	94 -	672	959	92214	92509
UN40686	Rsa1.0.06088.1	972	11767	1.00E-118	237	244	97 -	445	688	4054	4297
UN40687	Rsa1.0.00025.1	651	277312	1.00E-138	312	329	94 +	283	609	17353	17680
UN40688	Rsa1.0.01104.1	578	285480	1.00E-152	348	372	93 -	139	506	135402	135766
UN40689	Rsa1.0.00130.1	1295	125737	1.00E-127	304	328	92 -	1	326	5499	5809
UN40690	Rsa1.0.00189.1	860	111830	0	536	560	95 -	3	562	110542	111100
UN40691	Rsa1.0.00883.1	964	61230	0	479	493	97 +	1	491	29814	30306
UN40692	Rsa1.0.00623.1	1472	207630	1.00E-133	261	265	98 -	1	263	14945	15209
UN40693	Rsa1.0.00198.1	910	222963	0	864	891	96 -	3	887	100506	101391
UN40694	Rsa1.0.03100.1	910	25411	0	442	474	93 -	223	687	19710	20183
UN40695	Rsa1.0.00067.1	788	415055	1.00E-165	334	347	96 -	121	467	82824	83170
UN40696	Rsa1.0.00192.1	750	278200	0	339	343	98 +	4	346	11747	12089
UN40697	Rsa1.0.00269.1	1042	341668	1.00E-123	293	311	94 +	732	1040	289954	290260
UN40698	Rsa1.0.01704.1	915	40711	0	766	808	94 +	110	900	31435	32242
UN40699	Rsa1.0.01731.1	486	40208	4.00E-85	187	196	95 +	3	198	34880	35075
UN40700	Rsa1.0.00024.1	1261	188018	1.00E-154	398	443	89 -	411	832	84667	85097
UN40701	Rsa1.0.05696.1	1150	12896	1.00E-145	262	262	100 +	211	472	6608	6869
UN40702	Rsa1.0.00139.1	1046	357786	0	343	345	99 -	367	711	307381	307725
UN40703	Rsa1.0.00104.1	600	368722	0	598	600	99 +	1	600	201262	201861
UN40704	Rsa1.0.05419.1	913	13809	0	707	711	99 +	174	884	2108	2815
UN40705	Rsa1.0.00960.1	932	58199	0	424	424	100 +	6	429	22883	23306
UN40706	Rsa1.0.01740.1	1016	39986	1.00E-133	275	286	96 -	131	416	27598	27883
UN40707	Rsa1.0.02673.1	1181	28877	4.00E-41	145	163	88 +	3	165	7272	7433
UN40708	Rsa1.0.05758.1	1074	12721	0	1004	1048	95 +	39	1069	442	1489
UN40709	Rsa1.0.17040.1	570	1944	0	401	421	95 +	155	567	1207	1624
UN40710	Rsa1.0.07679.1	714	8811	1.00E-157	301	307	98 -	403	709	46	348
UN40711	Rsa1.0.01711.1	739	40578	0	414	442	93 -	31	472	19491	19926
UN40712	Rsa1.0.00190.1	712	318240	0	382	401	95 +	313	712	191430	191830
UN40713	Rsa1.0.05166.1	1542	14624	0	818	841	97 +	700	1540	6861	7686
UN40714	Rsa1.0.00180.1	779	114581	1.00E-103	212	219	96 +	178	396	110422	110640

UN40715	Rsa1.0_12930.1	1001	5072	0	688	700	98 -	304	1001	4373	5072
UN40716	Rsa1.0_03288.1	830	24016	1.00E-151	306	316	96 -	385	699	15307	15622
UN40717	Rsa1.0_09568.1	1030	6284	1.00E-100	186	186	100 +	845	1030	5564	5749
UN40718	Rsa1.0_05134.1	1019	143181	0	396	412	96 -	611	1018	12659	13069
UN40719	Rsa1.0_08520.1	784	7241	0	535	554	96 +	230	783	6156	6701
UN40720	Rsa1.0_02771.1	1229	28079	0	561	562	99 +	666	1227	19328	19889
UN40721	Rsa1.0_02754.1	1010	28213	0	369	381	96 -	151	531	10678	11058
UN40722	Rsa1.0_57470.1	1111	398	1.00E-136	246	246	100 +	110	355	1	246
UN40723	Rsa1.0_00370.1	787	90472	0	400	411	97 -	379	787	8067	8477
UN40724	Rsa1.0_00046.1	1132	320315	0	570	575	99 +	558	1132	87977	88551
UN40725	Rsa1.0_00003.1	272	340054	3.00E-94	181	183	98 +	89	271	4726	4908
UN40726	Rsa1.0_10218.1	753	5935	0	628	634	99 +	121	753	3888	4520
UN40727	Rsa1.0_03369.1	925	23381	0	393	405	97 +	1	404	10293	10691
UN40728	Rsa1.0_00092.1	1641	659932	0	846	847	99 +	3	849	232702	233548
UN40729	Rsa1.0_02260.1	1303	33260	1.00E-180	341	348	97 +	3	350	32005	32346
UN40730	Rsa1.0_02107.1	562	34940	1.00E-134	302	319	94 +	248	561	8719	9035
UN40731	Rsa1.0_00211.1	1067	228189	1.00E-162	316	324	97 -	345	665	10691	11014
UN40732	Rsa1.0_01466.1	758	45161	1.00E-108	247	263	93 +	367	629	25169	25431
UN40733	Rsa1.0_01976.1	566	36570	7.00E-72	153	158	96 +	82	239	747	904
UN40734	Rsa1.0_28111.1	718	827	0	329	329	100 +	390	718	200	528
UN40735	Rsa1.0_02593.1	544	29744	1.00E-161	288	288	100 -	257	544	1430	1717
UN40736	Rsa1.0_00097.1	1011	138858	0	350	351	99 +	661	1011	136383	136733
UN40737	Rsa1.0_01876.1	872	37800	0	692	726	95 +	158	867	36310	37022
UN40738	Rsa1.0_00064.1	886	240927	1.00E-144	300	311	96 -	1	311	30039	30342
UN40739	Rsa1.0_03242.1	793	24415	0	435	441	98 -	302	742	1634	2074
UN40740	Rsa1.0_00664.1	1070	69573	0	383	392	97 +	6	396	16709	17100
UN40741	Rsa1.0_00662.1	676	192183	4.00E-86	207	222	93 +	369	590	12138	12359
UN40742	Rsa1.0_02748.1	420	28242	1.00E-115	259	275	94 +	145	419	11725	11999
UN40743	Rsa1.0_00780.1	789	147795	0	504	535	94 -	2	536	25606	26118
UN40744	Rsa1.0_17662.1	889	1770	0	479	481	99 +	409	889	459	938
UN40745	Rsa1.0_00142.1	678	121474	1.00E-135	259	264	98 -	143	406	64267	64530
UN40746	Rsa1.0_14621.1	811	3222	0	764	813	93 +	9	811	241	1049
UN40747	Rsa1.0_04584.1	778	16756	6.00E-64	193	217	88 +	3	207	9600	9809
UN40748	Rsa1.0_00415.1	775	86795	0	772	775	99 -	1	775	74848	75622
UN40749	Rsa1.0_02879.1	690	27047	0	422	436	96 -	3	438	18068	18500
UN40750	Rsa1.0_00124.1	575	262503	1.00E-168	345	358	96 +	1	358	162556	162910
UN40751	Rsa1.0_00110.1	904	132719	0	847	916	92 -	2	901	60627	61523
UN40752	Rsa1.0_00142.1	864	121474	0	402	411	97 +	3	413	62507	62916
UN40753	Rsa1.0_07504.1	853	9237	2.33E-156	284	291	97 -	529	819	8004	8294

UN40754	Rsa1.0.02757.1	829	28187	0	824	829	99 +	3	829	15833	16661
UN40755	Rsa1.0.14535.1	650	3289	0	610	636	95 +	15	650	477	1111
UN40756	Rsa1.0.00125.1	948	253043	1.00E-104	221	228	96 -	723	948	181954	182181
UN40757	Rsa1.0.22271.1	806	1135	0	411	424	96 +	384	806	546	966
UN40758	Rsa1.0.03162.1	835	24895	0	382	389	98 +	1	389	17212	17595
UN40759	Rsa1.0.38965.1	653	577	1.00E-124	232	234	99 -	419	652	121	354
UN40760	Rsa1.0.00592.1	1312	73788	0	863	910	94 -	21	927	20791	21696
UN40761	Rsa1.0.06751.1	600	10417	1.00E-169	302	302	100 +	222	523	9247	9548
UN40762	Rsa1.0.52876.1	1051	431	0	384	389	98 +	279	667	37	425
UN40763	Rsa1.0.00706.1	944	291570	1.00E-170	327	335	97 -	12	346	240972	241306
UN40764	Rsa1.0.00315.1	1153	96426	0	349	351	99 +	437	787	19802	20152
UN40765	Rsa1.0.18655.1	983	1558	2.33E-156	311	329	94 -	12	329	805	1133
UN40766	Rsa1.0.00407.1	1004	191544	0	759	796	95 -	221	1004	155570	156357
UN40767	Rsa1.0.18032.1	661	1686	1.00E-108	205	207	99 +	137	343	1291	1497
UN40768	Rsa1.0.00089.1	801	406142	0	401	408	98 +	1	408	232204	232611
UN40769	Rsa1.0.00203.1	1062	109129	0	432	442	97 +	4	444	54534	54975
UN40770	Rsa1.0.00094.1	826	139042	1.00E-135	244	244	100 +	581	824	119349	119592
UN40771	Rsa1.0.00168.1	644	115870	0	606	634	95 +	15	644	39841	40471
UN40772	Rsa1.0.05727.1	825	12808	9.00E-97	180	180	100 -	164	343	6858	7037
UN40773	Rsa1.0.02803.1	724	27715	1.00E-160	331	346	95 -	189	534	8863	9208
UN40774	Rsa1.0.01346.1	1001	47618	0	432	451	95 +	548	998	7627	8077
UN40775	Rsa1.0.00699.1	754	184398	0	497	501	99 +	253	753	127772	128272
UN40776	Rsa1.0.00475.1	700	81678	0	634	671	94 +	1	663	38102	38758
UN40777	Rsa1.0.02320.1	619	32575	0	364	374	97 -	1	374	16369	16742
UN40778	Rsa1.0.01481.1	774	184562	0	385	387	99 -	388	774	151851	152237
UN40779	Rsa1.0.00150.1	843	154416	1.00E-171	376	399	94 -	9	407	60307	60703
UN40780	Rsa1.0.01016.1	787	181422	0	530	557	95 +	222	777	171865	172411
UN40781	Rsa1.0.00931.1	573	59210	1.00E-128	270	280	96 -	259	530	26419	26698
UN40782	Rsa1.0.16200.1	646	2246	0	363	373	97 -	274	646	1874	2246
UN40783	Rsa1.0.01759.1	1273	39745	0	464	466	99 -	8	472	12148	12613
UN40784	Rsa1.0.00936.1	472	59078	1.00E-145	308	321	95 -	156	470	36828	37147
UN40785	Rsa1.0.23487.1	1271	1045	0	727	776	93 +	38	813	278	1041
UN40786	Rsa1.0.01099.1	866	158481	0	417	430	96 -	435	864	152231	152660
UN40787	Rsa1.0.06047.1	579	11854	1.00E-159	293	296	98 +	1	296	292	587
UN40788	Rsa1.0.01876.1	1000	37800	1.00E-133	266	275	96 +	20	286	7001	7275
UN40789	Rsa1.0.02480.1	828	31036	0	453	462	98 +	371	828	12060	12521
UN40790	Rsa1.0.00457.1	944	337301	0	936	952	98 -	4	944	317863	318814
UN40791	Rsa1.0.00168.1	852	115870	1.00E-133	269	277	97 +	1	277	53318	53593
UN40792	Rsa1.0.00188.1	667	112020	0	667	667	100 +	1	667	4374	5040

UN40793	Rsa1.0.00434.1	1007	85171	0	992	1023	96 +	3	1007	45400	46419
UN40794	Rsa1.0.00500.1	1352	272308	0	1323	1350	98 -	2	1349	90718	92067
UN40795	Rsa1.0.05692.1	1059	12914	0	338	338	100 -	295	632	10387	10724
UN40796	Rsa1.0.02900.1	739	26928	1.00E-173	332	336	98 -	1	335	16858	17191
UN40797	Rsa1.0.01917.1	709	37303	0	420	445	94 +	2	441	9985	10425
UN40798	Rsa1.0.00790.1	709	148693	0	565	587	96 -	51	631	17529	18114
UN40799	Rsa1.0.00528.1	727	164755	1.00E-123	246	253	97 -	467	719	121565	121817
UN40800	Rsa1.0.04057.1	670	19333	0	400	416	96 +	231	646	3626	4041
UN40801	Rsa1.0.00251.1	735	303968	1.00E-121	330	362	91 +	380	735	128883	129238
UN40802	Rsa1.0.00054.1	636	162053	8.00E-78	229	254	90 -	391	635	86576	86824
UN40803	Rsa1.0.00067.1	669	415055	7.00E-94	194	200	97 -	389	588	142469	142664
UN40804	Rsa1.0.17403.1	812	1839	0	474	501	94 -	1	492	1196	1684
UN40805	Rsa1.0.02160.1	784	34468	0	384	399	96 +	389	784	21426	21824
UN40806	Rsa1.0.01081.1	892	499226	1.00E-168	313	316	99 -	578	892	16506	16821
UN40807	Rsa1.0.02178.1	1140	156197	0	722	758	95 +	390	1140	150274	151031
UN40808	Rsa1.0.02267.1	1026	33194	0	556	556	100 +	471	1026	8666	9221
UN40809	Rsa1.0.02803.1	745	27715	1.00E-141	323	346	93 -	184	529	8863	9208
UN40810	Rsa1.0.01115.1	683	183545	0	353	357	98 +	5	361	174044	174400
UN40811	Rsa1.0.00554.1	527	150953	3.00E-86	189	197	95 +	318	512	141702	141898
UN40812	Rsa1.0.11921.1	1319	5369	1.00E-142	371	404	91 -	366	768	4572	4967
UN40813	Rsa1.0.03211.1	1095	24591	0	464	475	97 +	49	523	7354	7828
UN40814	Rsa1.0.01604.1	1047	42461	0	774	812	95 +	233	1043	38216	39010
UN40815	Rsa1.0.00191.1	1063	316976	0	1022	1092	93 -	2	1063	203943	205028
UN40816	Rsa1.0.04200.1	1288	18490	1.00E-127	249	255	97 -	456	710	12935	13189
UN40817	Rsa1.0.00196.1	1209	109960	0	365	378	96 +	832	1209	37671	38043
UN40818	Rsa1.0.03294.1	747	23971	1.00E-105	240	254	94 +	488	735	21081	21334
UN40819	Rsa1.0.02426.1	1207	31564	0	1186	1213	97 -	3	1207	23119	24331
UN40820	Rsa1.0.00179.1	611	393324	1.00E-125	273	286	95 +	309	591	351933	352218
UN40821	Rsa1.0.01724.1	674	40292	3.00E-59	157	168	93 +	490	654	19668	19835
UN40822	Rsa1.0.02798.1	778	27792	0	426	456	93 +	1	454	5376	5823
UN40823	Rsa1.0.03290.1	1209	24011	0	1141	1189	95 +	39	1209	5725	6904
UN40824	Rsa1.0.47284.1	535	478	1.00E-129	269	278	96 +	258	534	68	344
UN40825	Rsa1.0.03856.1	466	20429	8.00E-28	86	92	93 -	213	303	19304	19395
UN40826	Rsa1.0.00965.1	1315	58139	3.00E-76	228	251	90 +	996	1244	9265	9505
UN40827	Rsa1.0.01819.1	779	38834	0	414	439	94 -	151	589	15079	15517
UN40828	Rsa1.0.05522.1	507	13441	4.00E-70	181	195	92 +	319	507	9116	9310
UN40829	Rsa1.0.00577.1	847	174827	0	843	845	99 +	3	847	415	1259
UN40830	Rsa1.0.01000.1	1597	57140	0	495	514	96 -	1090	1597	35214	35726
UN40831	Rsa1.0.00025.1	612	277312	1.00E-127	309	330	93 +	284	611	17353	17679

UN40832	Rsa1.0.00224.1	985	327530	0	956	1000	95 +	2	985	227371	228364
UN40833	Rsa1.0.01783.1	544	39383	1.00E-73	214	237	90 -	287	523	19850	20085
UN40834	Rsa1.0.15703.1	589	2470	1.00E-109	203	204	99 -	193	396	2267	2470
UN40835	Rsa1.0.02508.1	1020	30675	0	608	616	98 +	405	1020	24669	25284
UN40836	Rsa1.0.00199.1	719	249604	0	475	475	100 +	244	718	164371	164845
UN40837	Rsa1.0.03890.1	846	20223	0	397	402	98 +	446	846	11314	11715
UN40838	Rsa1.0.00300.1	761	97747	0	440	471	93 +	291	758	31675	32143
UN40839	Rsa1.0.00038.1	1324	314568	1.00E-124	304	326	93 +	1003	1322	49081	49403
UN40840	Rsa1.0.00611.1	813	72410	0	786	800	98 -	15	813	15041	15834
UN40841	Rsa1.0.02754.1	527	28213	1.00E-148	299	310	96 -	121	430	8708	9017
UN40842	Rsa1.0.02449.1	937	31292	3.00E-69	155	160	96 +	59	217	13303	13459
UN40843	Rsa1.0.00518.1	726	78360	1.00E-114	250	261	95 -	467	726	59625	59883
UN40844	Rsa1.0.05580.1	1033	13274	0	487	500	97 -	531	1029	6557	7055
UN40845	Rsa1.0.16193.1	462	2250	2.33E-156	279	283	98 -	181	462	1161	1443
UN40846	Rsa1.0.01718.1	557	40389	9.00E-96	194	198	97 -	3	199	35804	36001
UN40847	Rsa1.0.01510.1	641	44237	0	566	640	88 +	3	623	18872	19486
UN40848	Rsa1.0.00847.1	641	62270	1.00E-109	224	232	96 +	144	375	52454	52685
UN40849	Rsa1.0.00525.1	1030	78030	0	425	427	99 +	605	1030	14410	14836
UN40850	Rsa1.0.01485.1	454	44797	9.00E-74	170	177	96 +	190	365	31451	31626
UN40851	Rsa1.0.03658.1	475	21549	0	332	334	99 -	141	474	21037	21370
UN40852	Rsa1.0.00039.1	660	296927	1.00E-107	247	261	94 +	395	654	18816	19075
UN40853	Rsa1.0.02803.1	752	27715	1.00E-165	333	346	96 -	187	532	8863	9208
UN40854	Rsa1.0.00503.1	591	79468	1.00E-175	347	355	97 +	2	353	61110	61463
UN40855	Rsa1.0.00564.1	848	75428	0	506	514	98 -	336	848	60616	61124
UN40856	Rsa1.0.07295.1	961	9599	0	908	949	95 +	1	947	5516	6462
UN40857	Rsa1.0.00741.1	1061	66117	0	979	1057	92 -	2	1036	32560	33614
UN40858	Rsa1.0.00497.1	1032	79830	0	854	883	96 +	3	884	2745	3625
UN40859	Rsa1.0.01234.1	703	50183	0	498	521	95 +	159	678	8898	9411
UN40860	Rsa1.0.00829.1	695	158305	1.00E-133	306	326	93 -	1	316	102339	102664
UN40861	Rsa1.0.08140.1	762	7845	0	375	388	96 +	53	437	5806	6191
UN40862	Rsa1.0.00648.1	724	70351	1.00E-131	302	320	94 +	3	314	21675	21992
UN40863	Rsa1.0.02431.1	719	31504	0	667	698	95 -	3	697	12936	13631
UN40864	Rsa1.0.12010.1	1047	5342	0	713	762	93 -	35	792	1	752
UN40865	Rsa1.0.00278.1	453	231896	1.00E-132	331	356	92 +	1	351	183845	184192
UN40866	Rsa1.0.23760.1	614	1027	1.00E-118	270	286	94 -	241	517	601	886
UN40867	Rsa1.0.01263.1	476	49703	1.00E-82	225	245	91 +	242	475	40157	40401
UN40868	Rsa1.0.01488.1	1368	44766	0	577	610	94 -	759	1367	32428	33028
UN40869	Rsa1.0.00529.1	976	77487	1.00E-122	322	354	90 +	557	910	65172	65514
UN40870	Rsa1.0.00471.1	511	81897	1.00E-150	368	399	92 -	104	499	73378	73769

UN40871	Rsa1.0.00528.1	946	164755	2.00E-67	150	155	96 -	374	527	147355	147509
UN40872	Rsa1.0.00307.1	855	199003	0	707	710	99 -	4	712	86191	86900
UN40873	Rsa1.0.01168.1	509	153765	1.00E-66	221	247	89 -	268	504	23488	23728
UN40874	Rsa1.0.02600.1	1158	29657	0	632	665	95 +	460	1122	4595	5254
UN40875	Rsa1.0.00548.1	969	76518	0	942	950	99 -	14	963	62584	63533
UN40876	Rsa1.0.23397.1	985	1052	0	509	521	97 -	48	565	492	1012
UN40877	Rsa1.0.00099.1	778	159619	0	465	471	98 +	1	470	3511	3981
UN40878	Rsa1.0.00994.1	1122	165189	0	481	488	98 -	164	651	38704	39191
UN40879	Rsa1.0.00571.1	615	329018	1.00E-109	261	280	93 +	194	472	35755	36029
UN40880	Rsa1.0.02107.1	508	34940	0	387	388	99 +	121	508	9809	10196
UN40881	Rsa1.0.01857.1	574	38103	1.00E-164	373	399	93 +	188	570	4693	5090
UN40882	Rsa1.0.00275.1	656	210104	4.00E-92	211	223	94 +	350	570	157269	157486
UN40883	Rsa1.0.06488.1	683	141774	1.00E-172	348	361	96 +	3	363	1023	1380
UN40884	Rsa1.0.00179.1	432	393324	1.00E-32	90	96	93 +	2	97	212734	212829
UN40885	Rsa1.0.66369.1	1002	345	1.00E-150	270	270	100 +	731	1000	50	319
UN40886	Rsa1.0.01936.1	462	37151	9.00E-74	194	213	91 -	12	215	18530	18742
UN40887	Rsa1.0.14302.1	828	3558	0	446	461	96 +	372	828	1424	1884
UN40888	Rsa1.0.00580.1	1035	74515	0	419	427	98 -	609	1035	63935	64360
UN40889	Rsa1.0.02017.1	1404	35999	1.00E-106	196	196	100 +	378	573	28582	28777
UN40890	Rsa1.0.03898.1	1016	20183	0	452	452	100 +	565	1016	2513	2964
UN40891	Rsa1.0.00479.1	986	81377	0	870	936	92 +	1	908	28339	29268
UN40892	Rsa1.0.02069.1	658	35425	1.00E-171	364	382	95 -	275	656	20696	21072
UN40893	Rsa1.0.00116.1	947	365886	8.00E-79	150	150	100 -	722	871	353829	353978
UN40894	Rsa1.0.00221.1	825	106972	0	557	562	99 +	210	771	53911	54472
UN40895	Rsa1.0.00323.1	903	159650	0	430	431	99 -	4	434	48893	49323
UN40896	Rsa1.0.02085.1	371	35198	1.00E-117	300	329	91 +	30	349	33816	34137
UN40897	Rsa1.0.04808.1	1344	15893	0	894	922	96 -	423	1341	11539	12460
UN40898	Rsa1.0.02772.1	989	28047	6.00E-89	195	203	96 -	696	897	2872	3074
UN40899	Rsa1.0.00248.1	1124	163568	4.00E-87	164	164	100 +	720	883	53706	53869
UN40900	Rsa1.0.03692.1	561	21338	1.00E-110	238	248	95 -	311	558	6384	6627
UN40901	Rsa1.0.02050.1	811	35570	1.00E-172	360	375	96 +	436	808	10046	10420
UN40902	Rsa1.0.00100.1	705	249232	1.00E-154	452	508	88 -	224	705	181505	182000
UN40903	Rsa1.0.00422.1	857	86144	0	588	623	94 +	235	854	54119	54728
UN40904	Rsa1.0.00416.1	1003	86772	1.00E-172	320	323	99 +	679	1001	41330	41651
UN40905	Rsa1.0.00026.1	721	327835	1.00E-125	317	340	93 +	381	717	174424	174757
UN40906	Rsa1.0.02020.1	264	173211	3.00E-69	168	178	94 +	5	182	148963	149135
UN40907	Rsa1.0.01702.1	2038	40722	0	545	545	100 -	971	1515	18252	18796
UN40908	Rsa1.0.03890.1	880	20223	0	429	433	99 -	446	878	3424	3856
UN40909	Rsa1.0.00090.1	772	273859	1.00E-159	344	362	95 +	371	729	141630	141984

UN40910	Rsa1.0_01233.1	1079	50184	1.00E-104	224	233	96 +	835	1067	22267	22498
UN40911	Rsa1.0_02584.1	818	29877	0	418	442	94 +	377	817	806	1240
UN40912	Rsa1.0_01605.1	723	42442	0	511	522	97 +	2	518	13419	13940
UN40913	Rsa1.0_08744.1	732	6970	0	575	600	95 -	96	691	5337	5934
UN40914	Rsa1.0_01343.1	653	47735	1.00E-162	331	342	96 +	309	648	30311	30647
UN40915	Rsa1.0_01122.1	724	53369	1.00E-178	336	341	98 -	328	668	28154	28493
UN40916	Rsa1.0_00039.1	667	296927	0	527	544	96 +	121	664	206911	207449
UN40917	Rsa1.0_00343.1	815	93570	0	517	539	95 +	286	815	84281	84817
UN40918	Rsa1.0_00457.1	901	337301	0	890	920	96 +	3	901	184473	185391
UN40919	Rsa1.0_13633.1	593	4605	1.00E-109	242	256	94 +	3	258	1103	1358
UN40920	Rsa1.0_01034.1	360	56046	1.00E-178	348	358	97 -	3	360	32565	32919
UN40921	Rsa1.0_03277.1	777	24138	1.00E-143	264	266	99 +	512	777	14788	15053
UN40922	Rsa1.0_04934.1	662	143962	0	638	667	95 -	3	660	141896	142561
UN40923	Rsa1.0_00879.1	570	61297	1.00E-122	265	277	95 -	296	570	54956	55230
UN40924	Rsa1.0_00410.1	728	86957	1.00E-118	219	220	99 +	2	221	27488	27707
UN40925	Rsa1.0_06677.1	677	10560	1.00E-147	312	328	95 -	348	675	55	382
UN40926	Rsa1.0_03491.1	681	22541	1.00E-160	426	471	90 -	70	539	9065	9535
UN40927	Rsa1.0_23047.1	747	1075	1.00E-106	198	199	99 -	548	746	113	311
UN40928	Rsa1.0_01340.1	1038	47805	0	507	513	98 +	526	1038	29388	29900
UN40929	Rsa1.0_03890.1	752	20223	0	658	690	95 +	19	707	10404	11090
UN40930	Rsa1.0_01880.1	1049	37745	5.00E-34	159	179	88 +	555	729	18793	18969
UN40931	Rsa1.0_02179.1	949	34188	0	935	947	98 -	4	949	15263	16209
UN40932	Rsa1.0_00528.1	563	164755	0	488	514	94 +	1	513	100821	101328
UN40933	Rsa1.0_00117.1	948	213118	1.00E-142	292	300	97 -	651	947	202641	202940
UN40934	Rsa1.0_00005.1	1171	353093	0	1167	1169	99 -	1	1169	55286	56454
UN40935	Rsa1.0_13608.1	417	4645	0	408	417	97 +	1	417	3037	3453
UN40936	Rsa1.0_20437.1	1031	1305	0	437	446	97 -	585	1029	325	767
UN40937	Rsa1.0_00412.1	877	86935	1.00E-92	214	226	94 +	651	876	71685	71905
UN40938	Rsa1.0_01458.1	836	175719	1.00E-152	309	319	96 -	519	836	33239	33554
UN40939	Rsa1.0_00683.1	476	68638	1.00E-154	303	312	97 -	7	318	59047	59358
UN40940	Rsa1.0_00063.1	541	156150	1.00E-113	226	232	97 +	113	344	3494	3725
UN40941	Rsa1.0_03471.1	599	22678	1.00E-111	227	234	97 -	154	384	14969	15202
UN40942	Rsa1.0_00067.1	1006	415055	1.00E-153	390	424	91 +	591	1006	7421	7840
UN40943	Rsa1.0_01139.1	1183	52601	0	439	443	99 -	3	445	18673	19115
UN40944	Rsa1.0_00159.1	403	431686	7.00E-25	59	59	100 +	223	281	268310	268368
UN40945	Rsa1.0_00821.1	606	62891	0	434	459	94 +	42	493	5144	5601
UN40946	Rsa1.0_05695.1	788	12899	1.00E-108	200	200	100 -	255	454	1549	1748
UN40947	Rsa1.0_00526.1	713	169279	1.00E-95	285	314	90 +	405	713	148049	148362
UN40948	Rsa1.0_01941.1	1991	37069	0	786	787	99 +	1	786	10383	11169

UN40949	Rsa1.0.01806.1	697	39021	0	362	369	98 -	331	696	12077	12444
UN40950	Rsa1.0.02888.1	887	27020	1.00E-150	399	441	90 +	1	427	4030	4463
UN40951	Rsa1.0.03672.1	1025	21452	1.00E-144	475	542	87 -	453	993	13327	13859
UN40952	Rsa1.0.16302.1	1085	2207	0	384	394	97 -	651	1044	831	1224
UN40953	Rsa1.0.00492.1	1007	80178	1.00E-101	194	196	98 -	2	197	71129	71324
UN40954	Rsa1.0.03057.1	1209	25724	0	482	491	98 -	448	938	11914	12404
UN40955	Rsa1.0.01175.1	1629	51674	0	674	700	96 -	827	1525	39025	39718
UN40956	Rsa1.0.01147.1	1165	52391	0	375	378	99 +	247	624	37794	38171
UN40957	Rsa1.0.02965.1	1112	26402	1.00E-122	427	487	87 +	596	1078	1492	1976
UN40958	Rsa1.0.03541.1	725	22194	0	624	652	95 +	2	650	16779	17430
UN40959	Rsa1.0.04116.1	750	18971	0	416	428	97 +	3	427	614	1041
UN40960	Rsa1.0.00440.1	941	84723	4.00E-96	229	247	92 -	9	255	26966	27198
UN40961	Rsa1.0.00057.1	712	160473	0	466	470	99 -	243	712	46145	46614
UN40962	Rsa1.0.00434.1	842	85171	0	364	365	99 +	339	703	71294	71658
UN40963	Rsa1.0.01936.1	545	37151	0	519	550	94 -	3	545	18249	18797
UN40964	Rsa1.0.01058.1	835	55430	0	794	826	96 +	20	834	34209	35033
UN40965	Rsa1.0.25951.1	659	912	0	406	424	95 +	237	654	77	497
UN40966	Rsa1.0.01153.1	900	52264	0	676	703	96 +	201	898	36760	37460
UN40967	Rsa1.0.01872.1	853	37908	0	415	431	96 -	1	431	9035	9458
UN40968	Rsa1.0.03600.1	743	21857	1.00E-119	301	333	90 +	432	742	2130	2462
UN40969	Rsa1.0.03944.1	1233	19926	0	428	462	92 -	759	1215	10180	10629
UN40970	Rsa1.0.02593.1	573	29744	2.00E-66	141	145	97 -	3	147	2365	2509
UN40971	Rsa1.0.00269.1	935	341668	1.00E-123	366	412	88 -	462	872	323982	324393
UN40972	Rsa1.0.21974.1	911	1159	0	510	511	99 +	111	621	1	511
UN40973	Rsa1.0.00087.1	1161	761073	0	598	598	100 +	3	600	439408	440005
UN40974	Rsa1.0.00552.1	842	206757	0	479	517	92 -	211	727	66081	66597
UN40975	Rsa1.0.02431.1	698	31504	0	691	696	99 -	3	698	12941	13635
UN40976	Rsa1.0.04285.1	1125	18085	0	1078	1123	95 +	5	1123	16470	17581
UN40977	Rsa1.0.02655.1	1010	29027	1.00E-171	308	309	99 -	701	1009	10114	10422
UN40978	Rsa1.0.01488.1	552	44766	0	540	551	98 -	3	552	4474	5024
UN40979	Rsa1.0.01727.1	846	40243	0	754	756	99 -	3	758	24715	25469
UN40980	Rsa1.0.00012.1	637	222148	0	336	337	99 -	1	337	210339	210675
UN40981	Rsa1.0.02275.1	967	33107	0	470	520	90 +	482	963	30103	30622
UN40982	Rsa1.0.00248.1	1113	163568	0	429	430	99 -	633	1062	66844	67273
UN40983	Rsa1.0.00003.1	880	340054	0	846	873	96 -	6	878	235072	235928
UN40984	Rsa1.0.00740.1	765	215972	0	726	769	94 +	3	765	35208	35976
UN40985	Rsa1.0.00040.1	1024	324196	0	645	703	91 -	328	1020	296582	297259
UN40986	Rsa1.0.01672.1	1083	41229	0	354	356	99 -	728	1083	10206	10561
UN40987	Rsa1.0.01149.1	1170	160459	0	643	646	99 -	525	1170	33272	33915

UN40988	Rsa1.0_23144.1	877	1068	1.00E-141	297	310	95 -	149	457	758	1067
UN40989	Rsa1.0_00476.1	650	280966	1.00E-156	371	398	93 +	1	388	31639	32036
UN40990	Rsa1.0_01509.1	727	44258	0	523	582	89 -	13	594	30790	31346
UN40991	Rsa1.0_02855.1	793	27271	0	727	750	96 -	1	746	17597	18341
UN40992	Rsa1.0_01076.1	528	54835	1.00E-85	161	161	100 -	249	409	4130	4290
UN40993	Rsa1.0_00192.1	950	278200	0	780	812	96 -	134	937	98257	99068
UN40994	Rsa1.0_00040.1	711	324196	0	569	607	93 -	3	603	166240	166846
UN40995	Rsa1.0_04011.1	255	19575	1.00E-116	243	252	96 -	1	251	4969	5220
UN40996	Rsa1.0_01248.1	579	154103	0	508	560	90 -	25	577	30754	31294
UN40997	Rsa1.0_00007.1	1109	239325	0	1081	1143	94 -	1	1107	41511	42648
UN40998	Rsa1.0_02696.1	833	28600	1.00E-175	349	361	96 -	480	833	12234	12592
UN40999	Rsa1.0_02421.1	909	31579	1.00E-165	463	514	90 -	329	837	28684	29188
UN41000	Rsa1.0_04602.1	1131	16684	0	424	442	95 -	5	445	3198	3639
UN41001	Rsa1.0_01648.1	758	41635	0	523	556	94 -	96	651	15739	16283
UN41002	Rsa1.0_02185.1	579	34150	0	410	418	98 -	162	579	27251	27667
UN41003	Rsa1.0_00332.1	1183	94575	0	489	534	91 +	671	1183	73467	73994
UN41004	Rsa1.0_02103.1	790	35006	1.00E-164	315	321	98 +	466	785	24076	24396
UN41005	Rsa1.0_01335.1	408	47894	0	365	377	96 +	33	406	29219	29595
UN41006	Rsa1.0_00579.1	771	148308	0	396	397	99 -	375	771	66623	67019
UN41007	Rsa1.0_01774.1	1107	39528	0	376	379	99 -	730	1107	20673	21051
UN41008	Rsa1.0_04892.1	1094	15573	0	351	356	98 +	739	1094	1633	1987
UN41009	Rsa1.0_04396.1	564	17561	0	470	488	96 -	78	564	17078	17556
UN41010	Rsa1.0_03477.1	1031	22635	0	433	462	93 -	3	461	5499	5954
UN41011	Rsa1.0_05570.1	1013	13301	0	939	993	94 +	25	1012	10577	11556
UN41012	Rsa1.0_00235.1	891	154696	0	507	509	99 -	383	891	139857	140365
UN41013	Rsa1.0_00878.1	1034	330303	1.00E-117	214	214	100 -	819	1032	325953	326166
UN41014	Rsa1.0_00896.1	947	60509	0	781	782	99 -	1	781	49984	50765
UN41015	Rsa1.0_01400.1	1301	46560	0	978	1004	97 +	12	1014	26218	27215
UN41016	Rsa1.0_00068.1	918	151813	0	360	364	98 -	556	918	121733	122096
UN41017	Rsa1.0_00333.1	1147	94500	1.00E-166	345	357	96 +	792	1145	80864	81220
UN41018	Rsa1.0_01124.1	631	53295	1.00E-154	276	276	100 +	356	631	50201	50476
UN41019	Rsa1.0_02487.1	1339	30928	0	861	863	99 -	1	863	22194	23056
UN41020	Rsa1.0_02754.1	557	28213	1.00E-158	303	310	97 -	117	426	8708	9017
UN41021	Rsa1.0_34128.1	624	664	2.00E-66	179	193	92 -	343	530	1	191
UN41022	Rsa1.0_01482.1	1024	44855	0	918	955	96 -	71	1024	12016	12963
UN41023	Rsa1.0_01087.1	673	54508	0	337	338	99 +	1	338	22977	23314
UN41024	Rsa1.0_05417.1	911	13820	0	787	813	96 -	107	911	5274	6080
UN41025	Rsa1.0_00263.1	1140	224968	0	1039	1065	97 +	2	1058	178145	179206
UN41026	Rsa1.0_00002.1	861	601661	1.00E-107	213	218	97 -	347	564	149395	149612

UN41027	Rsa1.0_04493.1	1308	17137	3.00E-79	196	209	93 +	1098	1304	4233	4434
UN41028	Rsa1.0_00869.1	1227	61627	0	883	884	99 +	342	1225	30830	31713
UN41029	Rsa1.0_01155.1	1960	52182	1.00E-110	242	251	96 +	1711	1959	22388	22637
UN41030	Rsa1.0_00147.1	1046	249503	1.00E-154	306	314	97 -	1	309	130918	131231
UN41031	Rsa1.0_02991.1	708	26178	1.00E-106	274	295	92 -	1	291	4393	4677
UN41032	Rsa1.0_01759.1	867	39745	0	435	440	98 -	1	440	12148	12585
UN41033	Rsa1.0_00136.1	821	122464	0	571	596	95 +	173	768	115441	116036
UN41034	Rsa1.0_02085.1	905	35198	2.00E-97	260	285	91 -	1	275	17654	17932
UN41035	Rsa1.0_00146.1	1299	149343	0	411	418	98 +	106	522	631	1048
UN41036	Rsa1.0_04810.1	603	15887	0	389	405	96 +	198	602	12553	12955
UN41037	Rsa1.0_01434.1	945	45951	0	369	369	100 +	460	828	28840	29208
UN41038	Rsa1.0_00542.1	960	76831	1.00E-145	262	262	100 -	1	262	64221	64482
UN41039	Rsa1.0_25258.1	1236	944	1.00E-159	285	285	100 -	235	519	660	944
UN41040	Rsa1.0_00460.1	619	206387	0	403	424	95 +	3	420	202235	202658
UN41041	Rsa1.0_00835.1	986	278058	1.00E-170	309	311	99 -	395	705	50498	50808
UN41042	Rsa1.0_04600.1	1084	16694	0	583	586	99 +	1	586	632	1217
UN41043	Rsa1.0_02429.1	927	31527	0	673	772	87 -	151	887	9755	10511
UN41044	Rsa1.0_02891.1	817	27010	8.00E-94	181	183	98 -	516	698	17139	17321
UN41045	Rsa1.0_03831.1	881	20579	1.00E-134	299	314	95 +	215	521	16520	16832
UN41046	Rsa1.0_07642.1	894	8953	1.00E-102	196	198	98 +	224	421	2624	2821
UN41047	Rsa1.0_01625.1	802	42019	1.00E-135	269	276	97 -	524	799	20454	20728
UN41048	Rsa1.0_00173.1	801	288743	1.00E-102	216	225	96 +	263	487	282451	282675
UN41049	Rsa1.0_01227.1	917	50263	0	635	646	98 -	268	913	3749	4394
UN41050	Rsa1.0_01847.1	873	38346	0	830	833	99 -	2	831	11878	12710
UN41051	Rsa1.0_59164.1	252	387	1.00E-110	217	222	97 -	1	218	1	222
UN41052	Rsa1.0_00717.1	808	67051	1.00E-120	271	287	94 +	3	283	22730	23016
UN41053	Rsa1.0_00039.1	871	296927	0	396	400	99 +	1	400	234694	235093
UN41054	Rsa1.0_00706.1	909	291570	0	394	395	99 -	1	395	245835	246229
UN41055	Rsa1.0_01015.1	699	56752	0	681	695	97 +	3	697	45754	46447
UN41056	Rsa1.0_03028.1	727	25872	0	654	674	97 +	55	725	16412	17082
UN41057	Rsa1.0_37761.1	496	597	0	450	458	98 +	39	496	1	458
UN41058	Rsa1.0_02043.1	1112	163754	0	828	864	95 -	1	864	131101	131958
UN41059	Rsa1.0_30688.1	881	747	0	660	664	99 +	218	881	1	664
UN41060	Rsa1.0_00741.1	854	66117	0	354	357	99 -	453	809	45211	45567
UN41061	Rsa1.0_00198.1	1212	222963	0	1030	1101	93 +	124	1208	138000	139091
UN41062	Rsa1.0_00645.1	397	189716	1.00E-102	188	188	100 +	167	354	35226	35413
UN41063	Rsa1.0_02939.1	1021	26595	1.00E-167	349	364	95 -	2	362	4851	5213
UN41064	Rsa1.0_00662.1	692	192183	4.00E-83	198	210	94 +	73	277	8051	8260
UN41065	Rsa1.0_00940.1	629	179946	0	627	627	100 -	1	627	53940	54566

UN41066	Rsa1.0.02196.1	971	34005	0	698	700	99 -	270	969	23477	24175
UN41067	Rsa1.0.06168.1	868	11580	0	413	437	94 -	1	433	8500	8925
UN41068	Rsa1.0.08397.1	832	7427	0	380	381	99 +	3	382	4826	5206
UN41069	Rsa1.0.00518.1	782	78360	5.00E-58	142	151	94 +	1	151	15848	15998
UN41070	Rsa1.0.02099.1	658	35030	1.00E-125	231	232	99 +	425	656	18481	18712
UN41071	Rsa1.0.00157.1	1072	245832	1.00E-128	278	291	95 -	784	1070	29203	29493
UN41072	Rsa1.0.01419.1	580	167402	0	507	521	97 +	1	520	132931	133448
UN41073	Rsa1.0.00200.1	996	162016	1.00E-100	215	224	95 -	29	252	103491	103711
UN41074	Rsa1.0.02022.1	711	35923	1.00E-110	306	338	90 -	6	340	5722	6044
UN41075	Rsa1.0.00327.1	680	94892	2.00E-97	219	233	93 -	1	224	20157	20389
UN41076	Rsa1.0.00002.1	1382	601661	0	1364	1379	98 -	3	1381	436515	437893
UN41077	Rsa1.0.00782.1	550	64468	1.00E-137	247	247	100 -	1	247	23070	23316
UN41078	Rsa1.0.01613.1	810	182542	1.00E-150	277	278	99 +	3	279	160622	160899
UN41079	Rsa1.0.00092.1	1016	659932	1.00E-124	257	267	96 -	392	658	189112	189378
UN41080	Rsa1.0.02217.1	959	33812	2.33E-156	362	391	92 +	563	951	5429	5813
UN41081	Rsa1.0.14634.1	818	3205	0	337	337	100 +	482	818	1772	2108
UN41082	Rsa1.0.02655.1	1140	29027	1.00E-149	293	301	97 +	1	297	10122	10422
UN41083	Rsa1.0.00044.1	467	271658	0	333	333	100 -	1	333	233501	233833
UN41084	Rsa1.0.02080.1	1118	35297	0	1076	1111	96 -	11	1117	11969	13076
UN41085	Rsa1.0.00653.1	1355	70029	0	1348	1355	99 -	1	1355	13510	14859
UN41086	Rsa1.0.01549.1	685	43543	0	639	678	94 +	6	681	16578	17239
UN41087	Rsa1.0.01603.1	689	42468	0	644	676	95 -	27	687	8934	9608
UN41088	Rsa1.0.00524.1	929	169613	0	546	549	99 +	336	884	7515	8063
UN41089	Rsa1.0.00282.1	1010	177799	0	700	743	94 +	268	1007	139180	139910
UN41090	Rsa1.0.00028.1	771	293984	0	445	462	96 -	10	471	281443	281904
UN41091	Rsa1.0.02224.1	722	33758	0	714	720	99 +	3	721	25846	26565
UN41092	Rsa1.0.01090.1	647	54385	0	492	511	96 -	135	645	7038	7548
UN41093	Rsa1.0.05522.1	520	13441	1.00E-106	195	195	100 +	326	520	9116	9310
UN41094	Rsa1.0.00414.1	979	202190	0	848	887	95 -	80	963	56632	57517
UN41095	Rsa1.0.00703.1	1342	67597	0	943	1032	91 -	320	1335	30862	31867
UN41096	Rsa1.0.00564.1	1060	75428	0	843	863	97 -	198	1060	73602	74460
UN41097	Rsa1.0.14556.1	785	3273	0	649	665	97 -	1	662	2387	3051
UN41098	Rsa1.0.05218.1	706	14457	1.00E-128	256	264	96 -	1	259	5701	5964
UN41099	Rsa1.0.00173.1	699	288743	0	357	357	100 +	3	359	60857	61213
UN41100	Rsa1.0.02819.1	1224	27629	0	1063	1122	94 +	109	1224	26157	27273
UN41101	Rsa1.0.09079.1	574	6665	1.00E-179	379	399	94 -	179	573	5198	5596
UN41102	Rsa1.0.14712.1	816	3134	1.00E-121	334	367	91 +	3	354	1514	1869
UN41103	Rsa1.0.02746.1	919	28256	0	698	725	96 -	191	914	908	1630
UN41104	Rsa1.0.00431.1	504	85391	0	431	431	100 -	1	431	14961	15391

UN41105	Rsa1.0.00107.1	1205	431659	0	1199	1200	99 +	5	1204	336362	337561
UN41106	Rsa1.0.00469.1	1314	82084	0	407	408	99 -	3	410	69792	70199
UN41107	Rsa1.0.00101.1	1120	267193	0	735	765	96 -	1	764	74484	75242
UN41108	Rsa1.0.58357.1	821	392	1.00E-120	238	243	97 -	1	243	1	242
UN41109	Rsa1.0.00605.1	975	73199	0	735	769	95 -	127	894	26419	27187
UN41110	Rsa1.0.08642.1	1196	7096	0	665	690	96 +	206	894	1102	1791
UN41111	Rsa1.0.02320.1	1088	32575	0	503	515	97 +	576	1088	5336	5850
UN41112	Rsa1.0.02725.1	689	28404	5.00E-70	141	143	98 +	254	396	7526	7668
UN41113	Rsa1.0.00049.1	959	167018	0	392	392	100 +	199	590	145601	145992
UN41114	Rsa1.0.07440.1	523	9389	1.00E-143	263	265	99 -	8	272	6319	6583
UN41115	Rsa1.0.02964.1	909	26407	2.00E-94	179	180	99 +	730	909	14541	14720
UN41116	Rsa1.0.00024.1	553	188018	1.00E-121	290	309	93 -	3	305	18068	18375
UN41117	Rsa1.0.04981.1	979	15250	1.00E-145	330	352	93 +	13	357	6046	6397
UN41118	Rsa1.0.04288.1	354	18077	1.00E-123	271	282	96 -	76	354	17798	18077
UN41119	Rsa1.0.00019.1	636	301669	1.00E-131	306	330	92 -	307	636	119704	120014
UN41120	Rsa1.0.00067.1	542	415055	1.00E-170	363	382	95 -	22	400	209269	209647
UN41121	Rsa1.0.11824.1	633	5396	2.00E-84	159	159	100 -	408	566	66	224
UN41122	Rsa1.0.00380.1	922	89748	0	687	715	96 +	2	715	74690	75387
UN41123	Rsa1.0.00913.1	1275	59914	1.00E-160	384	416	92 +	5	398	19797	20210
UN41124	Rsa1.0.01702.1	709	40722	0	477	496	96 -	218	708	17674	18168
UN41125	Rsa1.0.00031.1	766	179862	0	736	787	93 +	2	766	145692	146457
UN41126	Rsa1.0.00800.1	1118	63868	2.33E-156	356	385	92 +	740	1118	21908	22279
UN41127	Rsa1.0.00161.1	803	116891	0	526	528	99 -	208	733	26076	26603
UN41128	Rsa1.0.00214.1	666	107508	0	382	400	95 +	1	394	36732	37127
UN41129	Rsa1.0.00048.1	891	167185	0	825	913	90 +	1	889	146193	147080
UN41130	Rsa1.0.01991.1	1300	36425	1.00E-163	292	292	100 -	1	292	11567	11858
UN41131	Rsa1.0.01514.1	714	44222	0	390	392	99 -	3	393	27674	28065
UN41132	Rsa1.0.01896.1	1532	37512	0	1043	1065	97 +	467	1531	30506	31570
UN41133	Rsa1.0.02803.1	778	27715	1.00E-161	333	348	95 +	237	584	8863	9210
UN41134	Rsa1.0.02180.1	784	34176	1.00E-141	255	255	100 +	1	255	18121	18375
UN41135	Rsa1.0.09779.1	1128	6154	1.00E-106	212	216	98 +	1	215	751	966
UN41136	Rsa1.0.00026.1	381	327835	1.00E-137	282	292	96 +	84	375	306356	306646
UN41137	Rsa1.0.00205.1	913	193401	1.00E-167	359	374	95 +	542	913	92527	92893
UN41138	Rsa1.0.02923.1	889	26736	0	508	526	96 -	1	521	10816	11339
UN41139	Rsa1.0.00029.1	589	272992	1.00E-124	313	338	92 -	257	588	249663	249998
UN41140	Rsa1.0.00265.1	700	220635	1.00E-111	294	326	90 +	391	700	195831	196156
UN41141	Rsa1.0.01876.1	711	37800	1.00E-141	254	254	100 -	456	709	6992	7245
UN41142	Rsa1.0.03552.1	700	22151	0	488	510	95 +	192	700	15663	16169
UN41143	Rsa1.0.02605.1	1168	29637	0	850	893	95 -	1	876	25609	26492

UN41144	Rsa1.0.03576.1	699	21986	1.00E-115	240	249	96 +	3	244	10405	10653
UN41145	Rsa1.0.00261.1	1229	151157	0	640	642	99 +	587	1228	2607	3248
UN41146	Rsa1.0.02867.1	726	27121	0	343	343	100 +	384	726	3467	3809
UN41147	Rsa1.0.02605.1	1357	29637	0	765	769	99 +	590	1357	13844	14612
UN41148	Rsa1.0.01769.1	902	39568	9.00E-94	178	179	99 +	207	385	8078	8256
UN41149	Rsa1.0.02310.1	602	32735	0	341	344	99 -	3	346	30017	30360
UN41150	Rsa1.0.27281.1	674	859	1.00E-132	249	252	98 +	423	674	518	769
UN41151	Rsa1.0.00224.1	874	327530	0	469	472	99 +	1	472	26103	26573
UN41152	Rsa1.0.44971.1	892	501	0	433	436	99 +	457	892	1	435
UN41153	Rsa1.0.03550.1	987	22154	1.00E-117	285	309	92 -	5	310	6701	7001
UN41154	Rsa1.0.00699.1	796	184398	1.00E-151	382	418	91 +	118	535	121731	122145
UN41155	Rsa1.0.00351.1	433	413096	1.00E-106	244	260	93 -	173	432	120726	120985
UN41156	Rsa1.0.00182.1	874	142305	1.00E-157	352	377	93 -	448	818	119867	120230
UN41157	Rsa1.0.00601.1	1014	177045	0	581	584	99 +	2	583	167561	168144
UN41158	Rsa1.0.00082.1	762	237584	0	736	766	96 +	1	762	46725	47486
UN41159	Rsa1.0.00069.1	1993	403561	0	475	476	99 -	1179	1654	188191	188666
UN41160	Rsa1.0.03498.1	884	22480	0	592	642	92 +	7	637	18211	18833
UN41161	Rsa1.0.00038.1	805	314568	0	653	664	98 +	141	804	292541	293201
UN41162	Rsa1.0.00718.1	784	279335	0	439	463	94 +	326	784	34460	34922
UN41163	Rsa1.0.03199.1	932	24640	0	419	428	97 -	53	480	16239	16666
UN41164	Rsa1.0.00055.1	860	520193	1.00E-179	321	322	99 +	278	599	352662	352983
UN41165	Rsa1.0.00221.1	1258	106972	0	610	613	99 +	2	614	92580	93191
UN41166	Rsa1.0.02229.1	864	33672	0	364	376	96 -	3	378	17849	18224
UN41167	Rsa1.0.00075.1	1470	146680	0	351	352	99 +	585	936	18710	19061
UN41168	Rsa1.0.00492.1	1110	80178	0	1105	1106	99 -	2	1107	65021	66126
UN41169	Rsa1.0.00580.1	1195	74515	0	971	1005	96 -	1	993	18131	19133
UN41170	Rsa1.0.01855.1	610	38204	0	449	461	97 +	150	610	14990	15448
UN41171	Rsa1.0.00228.1	714	105511	1.00E-109	223	228	97 -	490	714	37076	37303
UN41172	Rsa1.0.03074.1	619	25568	1.00E-142	259	260	99 -	358	617	9986	10245
UN41173	Rsa1.0.04734.1	873	16184	0	871	874	99 -	1	873	4253	5126
UN41174	Rsa1.0.00329.1	957	222544	1.00E-172	312	314	99 +	1	314	79567	79880
UN41175	Rsa1.0.06438.1	650	11017	0	488	527	92 -	1	510	1531	2057
UN41176	Rsa1.0.00324.1	804	218805	0	803	803	100 -	1	803	212244	213046
UN41177	Rsa1.0.14637.1	832	3201	0	595	610	97 +	229	832	819	1428
UN41178	Rsa1.0.00040.1	452	324196	1.00E-132	249	251	99 +	203	452	17904	18154
UN41179	Rsa1.0.01878.1	719	37768	1.00E-119	253	262	96 +	78	337	26943	27204
UN41180	Rsa1.0.00082.1	708	237584	0	537	576	93 +	1	563	68422	68996
UN41181	Rsa1.0.00011.1	1627	225044	0	605	631	95 +	1006	1627	169873	170499
UN41182	Rsa1.0.02401.1	400	138425	1.00E-128	240	241	99 +	158	398	14881	15120

UN41183	Rsa1.0.02812.1	751	27660	2.33E-156	314	327	96 +	1	325	14254	14579
UN41184	Rsa1.0.00194.1	621	110851	0	608	639	95 +	1	621	10782	11420
UN41185	Rsa1.0.05037.1	1116	15057	1.00E-155	303	310	97 -	806	1114	14115	14424
UN41186	Rsa1.0.02929.1	1444	26673	0	1439	1445	99 -	1	1444	11558	13001
UN41187	Rsa1.0.00256.1	777	102426	1.00E-104	192	192	100 -	4	195	26184	26375
UN41188	Rsa1.0.00645.1	404	189716	0	399	402	99 -	1	402	31530	31930
UN41189	Rsa1.0.00707.1	932	190112	1.00E-105	235	246	95 -	686	931	181072	181315
UN41190	Rsa1.0.00006.1	707	396176	1.00E-156	295	299	98 +	44	341	308967	309265
UN41191	Rsa1.0.05181.1	1267	14574	0	861	905	95 -	229	1117	234	1135
UN41192	Rsa1.0.09321.1	1114	6456	1.00E-113	262	274	95 -	798	1066	4823	5095
UN41193	Rsa1.0.00434.1	1409	85171	0	643	646	99 +	463	1107	65969	66613
UN41194	Rsa1.0.04398.1	1308	17550	0	457	461	99 -	3	463	11218	11678
UN41195	Rsa1.0.04033.1	1038	19481	0	752	787	95 -	21	804	3592	4372
UN41196	Rsa1.0.01476.1	726	172928	0	405	409	99 +	48	456	171219	171627
UN41197	Rsa1.0.00048.1	564	167185	1.00E-109	308	344	89 -	224	564	144490	144821
UN41198	Rsa1.0.00648.1	486	70351	1.00E-156	289	292	98 -	1	292	22840	23131
UN41199	Rsa1.0.00128.1	476	228675	2.00E-93	180	182	98 +	40	221	60734	60915
UN41200	Rsa1.0.02507.1	752	30696	1.00E-138	278	285	97 +	13	296	15125	15408
UN41201	Rsa1.0.00071.1	955	345714	0	655	674	97 -	280	953	41923	42594
UN41202	Rsa1.0.02239.1	652	33534	0	393	409	96 +	1	407	14847	15252
UN41203	Rsa1.0.00790.1	760	148693	1.00E-112	224	230	97 -	318	547	135658	135887
UN41204	Rsa1.0.00810.1	959	63289	0	543	544	99 +	416	959	57632	58175
UN41205	Rsa1.0.00033.1	774	515811	0	695	703	98 -	5	707	481856	482558
UN41206	Rsa1.0.00266.1	751	163932	0	442	446	99 -	2	447	110213	110658
UN41207	Rsa1.0.00175.1	1002	166121	1.00E-135	278	285	97 +	28	310	56275	56558
UN41208	Rsa1.0.03618.1	1078	21744	2.00E-30	118	133	88 -	546	678	7327	7458
UN41209	Rsa1.0.00010.1	751	294827	5.00E-98	239	255	93 -	3	257	134067	134315
UN41210	Rsa1.0.01094.1	797	167285	1.00E-120	271	291	93 +	225	502	10863	11153
UN41211	Rsa1.0.02212.1	722	33840	1.00E-110	307	337	91 -	4	335	30764	31090
UN41212	Rsa1.0.01561.1	720	43227	0	541	563	96 +	156	718	82	643
UN41213	Rsa1.0.00017.1	1222	752458	0	474	474	100 -	1	474	192717	193190
UN41214	Rsa1.0.04524.1	1090	16981	0	437	437	100 +	653	1089	5653	6089
UN41215	Rsa1.0.02070.1	754	158516	8.00E-63	123	123	100 -	245	367	140749	140871
UN41216	Rsa1.0.00538.1	664	77149	1.00E-92	191	197	96 +	294	490	54995	55191
UN41217	Rsa1.0.02674.1	946	28860	0	513	513	100 +	434	946	3286	3798
UN41218	Rsa1.0.00010.1	722	294827	0	502	517	97 -	1	517	246894	247409
UN41219	Rsa1.0.01484.1	596	44806	1.00E-163	342	360	95 -	1	347	28137	28496
UN41220	Rsa1.0.00125.1	965	253043	1.00E-128	245	249	98 +	3	251	181933	182181
UN41221	Rsa1.0.61042.1	726	375	0	370	378	97 -	334	711	1	375

UN41222	Rsa1.0.01412.1	886	46311	0	418	428	97 -	3	430	2359	2786
UN41223	Rsa1.0.00190.1	1172	318240	1.00E-163	291	291	100 -	380	670	198116	198406
UN41224	Rsa1.0.00044.1	730	271658	0	357	358	99 +	3	360	185706	186063
UN41225	Rsa1.0.01833.1	1111	38555	1.00E-173	324	329	98 -	1	324	16525	16853
UN41226	Rsa1.0.02471.1	1135	31104	0	680	710	95 +	1	710	24033	24739
UN41227	Rsa1.0.00032.1	908	306326	0	878	910	96 -	2	908	279473	280374
UN41228	Rsa1.0.00130.1	1305	125737	1.00E-170	320	324	98 +	980	1303	5499	5821
UN41229	Rsa1.0.04189.1	1037	18584	1.00E-110	294	322	91 -	4	312	4224	4545
UN41230	Rsa1.0.00159.1	837	431686	1.00E-157	311	321	96 +	299	619	268819	269139
UN41231	Rsa1.0.00938.1	1360	193891	0	1292	1327	97 -	2	1313	171354	172680
UN41232	Rsa1.0.00119.1	621	467509	0	460	481	95 -	1	481	374988	375464
UN41233	Rsa1.0.06088.1	1367	11767	0	472	474	99 +	1	474	3824	4297
UN41234	Rsa1.0.01106.1	752	53916	0	659	680	96 -	63	741	10996	11675
UN41235	Rsa1.0.04692.1	1252	16357	0	1207	1266	95 +	17	1252	11856	13120
UN41236	Rsa1.0.00728.1	1126	66704	1.00E-106	331	376	88 +	294	669	36055	36420
UN41237	Rsa1.0.02672.1	694	28884	0	396	412	96 -	3	414	27705	28112
UN41238	Rsa1.0.00192.1	683	278200	1.00E-126	262	272	96 +	304	572	98759	99030
UN41239	Rsa1.0.01263.1	942	49703	0	323	323	100 -	620	942	30557	30879
UN41240	Rsa1.0.00028.1	812	293984	0	394	405	97 +	409	810	252130	252534
UN41241	Rsa1.0.05728.1	1291	12805	0	465	469	99 +	824	1290	11177	11645
UN41242	Rsa1.0.02658.1	1143	28978	0	356	360	98 +	2	361	21972	22330
UN41243	Rsa1.0.04286.1	764	18084	1.00E-163	361	380	95 +	392	764	2131	2510
UN41244	Rsa1.0.04325.1	1457	17885	0	575	575	100 -	883	1457	9723	10297
UN41245	Rsa1.0.00050.1	867	237174	0	625	625	100 +	243	867	7595	8219
UN41246	Rsa1.0.020789.1	845	1269	1.00E-174	309	309	100 +	535	843	1	309
UN41247	Rsa1.0.00016.1	630	831256	0	508	511	99 +	3	513	766949	767459
UN41248	Rsa1.0.03297.1	880	23969	1.00E-138	259	262	98 +	3	264	2953	3214
UN41249	Rsa1.0.00566.1	584	75325	0	489	522	93 +	63	583	26261	26771
UN41250	Rsa1.0.03028.1	685	25872	0	481	498	96 -	3	498	16585	17082
UN41251	Rsa1.0.00001.1	973	363028	1.00E-161	295	296	99 -	1	296	322377	322671
UN41252	Rsa1.0.02867.1	666	27121	0	658	661	99 +	5	664	8500	9160
UN41253	Rsa1.0.00459.1	1300	82580	0	1295	1300	99 -	1	1300	41023	42321
UN41254	Rsa1.0.32399.1	1250	703	0	690	690	100 +	81	770	1	690
UN41255	Rsa1.0.00129.1	964	126831	0	915	969	94 +	2	964	61478	62440
UN41256	Rsa1.0.01201.1	694	50856	0	682	696	97 -	1	694	5731	6425
UN41257	Rsa1.0.02294.1	1287	32940	1.00E-115	229	235	97 -	417	651	14742	14976
UN41258	Rsa1.0.00046.1	831	320315	0	718	722	99 -	108	829	20311	21032
UN41259	Rsa1.0.05503.1	506	13510	0	459	477	96 +	1	473	2758	3233
UN41260	Rsa1.0.00025.1	914	277312	1.00E-113	240	251	95 -	2	252	153562	153812

UN41261	Rsa1.0.56381.1	587	406	0	369	373	98 -	215	587	34	406
UN41262	Rsa1.0.00387.1	1391	495407	0	472	478	98 -	917	1391	401016	401493
UN41263	Rsa1.0.18326.1	1166	1620	0	488	492	99 -	537	1028	526	1017
UN41264	Rsa1.0.01459.1	643	45277	1.00E-156	305	314	97 -	330	643	42953	43259
UN41265	Rsa1.0.01435.1	406	45942	1.00E-145	381	419	90 +	1	406	41184	41597
UN41266	Rsa1.0.00383.1	984	398431	0	676	719	94 +	152	868	192474	193180
UN41267	Rsa1.0.04639.1	820	16550	1.00E-135	567	661	85 +	166	820	4915	5566
UN41268	Rsa1.0.42546.1	882	527	1.00E-138	252	253	99 -	3	255	131	383
UN41269	Rsa1.0.02178.1	1119	156197	0	791	800	98 -	1	800	150274	151073
UN41270	Rsa1.0.02551.1	534	30196	3.00E-55	110	110	100 +	423	532	18294	18403
UN41271	Rsa1.0.00350.1	1447	92346	0	1366	1448	94 +	3	1445	57734	59157
UN41272	Rsa1.0.03646.1	561	21598	1.00E-110	279	304	91 -	255	558	12479	12779
UN41273	Rsa1.0.01786.1	1008	133324	0	797	850	93 -	173	1008	98712	99561
UN41274	Rsa1.0.06131.1	650	11665	0	527	559	94 -	5	563	8438	8995
UN41275	Rsa1.0.09577.1	1258	6275	0	627	655	95 -	209	854	1281	1935
UN41276	Rsa1.0.00040.1	996	324196	0	579	600	96 -	1	599	246545	247140
UN41277	Rsa1.0.04218.1	691	18423	1.00E-152	317	330	96 -	363	691	16987	17308
UN41278	Rsa1.0.12250.1	639	5276	0	483	516	93 -	131	638	466	977
UN41279	Rsa1.0.01536.1	234	43747	1.00E-117	230	234	98 -	1	233	25972	26205
UN41280	Rsa1.0.01708.1	757	40622	1.00E-110	215	219	98 -	1	219	21625	21843
UN41281	Rsa1.0.08366.1	588	7466	1.00E-128	235	236	99 +	352	587	5695	5930
UN41282	Rsa1.0.00556.1	841	207212	1.00E-171	351	363	96 -	2	359	155358	155720
UN41283	Rsa1.0.02265.1	831	33233	0	540	554	97 -	253	805	9675	10228
UN41284	Rsa1.0.00335.1	480	94371	1.00E-170	373	392	95 +	82	471	50290	50677
UN41285	Rsa1.0.00108.1	927	478491	1.00E-141	279	286	97 -	170	455	8496	8780
UN41286	Rsa1.0.01071.1	689	166914	0	404	421	95 +	272	687	24488	24906
UN41287	Rsa1.0.01042.1	954	293264	0	567	593	95 -	3	592	141476	142066
UN41288	Rsa1.0.05076.1	682	14916	1.00E-160	368	395	93 +	126	520	584	978
UN41289	Rsa1.0.00492.1	898	80178	0	477	480	99 -	417	896	64930	65409
UN41290	Rsa1.0.00451.1	817	322533	0	784	838	93 +	1	817	249765	250601
UN41291	Rsa1.0.02794.1	701	27820	0	467	473	98 -	228	699	11385	11857
UN41292	Rsa1.0.00132.1	751	124299	0	416	418	99 +	334	751	46280	46697
UN41293	Rsa1.0.19594.1	649	1410	0	390	390	100 +	260	649	356	745
UN41294	Rsa1.0.38780.1	1338	580	3.00E-85	209	225	92 -	200	424	1	225
UN41295	Rsa1.0.01418.1	1111	46237	0	332	333	99 +	4	336	5579	5911
UN41296	Rsa1.0.01754.1	716	39792	0	434	453	95 -	184	636	16426	16873
UN41297	Rsa1.0.02848.1	625	27329	0	604	624	96 +	3	621	8325	8945
UN41298	Rsa1.0.06190.1	1286	11525	0	655	686	95 -	8	680	9895	10570
UN41299	Rsa1.0.00224.1	639	327530	1.00E-152	449	514	87 +	154	639	221387	221880

UN41300	Rsa1.0.01333.1	1064	47929	0	528	558	94 -	1	545	29669	30226
UN41301	Rsa1.0.00374.1	860	165738	0	366	371	98 +	1	371	128292	128662
UN41302	Rsa1.0.03387.1	726	23278	1.00E-140	325	350	92 +	385	722	19355	19703
UN41303	Rsa1.0.37069.1	567	608	1.00E-165	348	363	95 -	157	519	252	608
UN41304	Rsa1.0.08151.1	770	7830	0	757	770	98 +	1	770	1132	1900
UN41305	Rsa1.0.00218.1	1642	201480	0	493	508	97 -	2	508	180348	180854
UN41306	Rsa1.0.24219.1	593	999	0	365	379	96 +	1	367	621	999
UN41307	Rsa1.0.00145.1	793	261008	0	631	683	92 -	9	669	75191	75867
UN41308	Rsa1.0.00056.1	662	332604	0	349	350	99 +	3	352	231673	232022
UN41309	Rsa1.0.00481.1	840	81316	0	449	450	99 +	3	452	27793	28242
UN41310	Rsa1.0.02944.1	504	26553	1.00E-106	243	255	95 -	204	456	1083	1336
UN41311	Rsa1.0.01355.1	580	47303	1.00E-88	223	237	94 -	11	242	7405	7641
UN41312	Rsa1.0.00486.1	632	80875	1.00E-177	343	351	97 +	1	351	15851	16200
UN41313	Rsa1.0.02939.1	868	26595	0	522	522	100 +	1	522	16752	17273
UN41314	Rsa1.0.08388.1	890	7436	0	509	518	98 -	371	886	3048	3563
UN41315	Rsa1.0.01651.1	1076	41586	0	367	379	96 +	702	1074	33679	34057
UN41316	Rsa1.0.00213.1	274	108167	1.00E-99	187	188	99 +	1	188	58558	58745
UN41317	Rsa1.0.24055.1	924	1009	0	386	395	97 -	1	395	527	921
UN41318	Rsa1.0.00056.1	867	332604	0	772	806	95 -	27	827	7983	8785
UN41319	Rsa1.0.14674.1	851	3167	0	454	482	94 +	3	466	2302	2779
UN41320	Rsa1.0.00030.1	861	250988	0	525	541	97 -	245	782	212991	213529
UN41321	Rsa1.0.00716.1	585	67078	0	375	391	95 +	57	445	37523	37913
UN41322	Rsa1.0.04602.1	1077	16684	0	426	444	95 -	6	448	3198	3639
UN41323	Rsa1.0.00004.1	879	253996	0	435	436	99 -	5	440	37761	38196
UN41324	Rsa1.0.01082.1	503	54640	0	502	503	99 +	1	503	17719	18221
UN41325	Rsa1.0.02658.1	1056	28978	1.00E-144	263	264	99 +	791	1054	19372	19635
UN41326	Rsa1.0.01958.1	712	261128	0	508	509	99 +	203	711	240735	241243
UN41327	Rsa1.0.00345.1	871	93226	0	500	500	100 -	372	871	74435	74934
UN41328	Rsa1.0.09523.1	1185	6315	0	471	481	97 +	74	554	2211	2691
UN41329	Rsa1.0.00105.1	894	134138	1.00E-157	285	286	99 -	1	286	13599	13884
UN41330	Rsa1.0.02548.1	695	30228	1.00E-134	266	272	97 +	428	695	10200	10471
UN41331	Rsa1.0.01462.1	601	45231	1.00E-76	177	189	93 -	285	473	25547	25725
UN41332	Rsa1.0.01094.1	1186	167285	0	676	680	99 +	135	814	31398	32077
UN41333	Rsa1.0.15993.1	630	2329	1.00E-125	364	405	89 +	223	622	1900	2287
UN41334	Rsa1.0.00554.1	1006	150953	1.00E-124	253	262	96 +	551	812	120274	120535
UN41335	Rsa1.0.02485.1	825	30968	0	523	534	97 +	1	534	21484	22014
UN41336	Rsa1.0.00034.1	922	260119	0	417	421	99 -	502	922	15166	15586
UN41337	Rsa1.0.00094.1	721	139042	1.00E-166	418	448	93 -	2	442	92426	92861
UN41338	Rsa1.0.00270.1	662	101236	0	639	662	96 -	4	662	25079	25738

UN41339	Rsa1.0.08727.1	655	6996	1.00E-178	320	321	99 +	1	321	808	1128
UN41340	Rsa1.0.00344.1	828	191774	1.00E-83	158	158	100 +	671	828	154180	154337
UN41341	Rsa1.0.04159.1	1006	18795	0	910	911	99 -	94	1004	5713	6623
UN41342	Rsa1.0.01783.1	460	39383	1.00E-155	292	297	98 -	164	460	19900	20196
UN41343	Rsa1.0.00192.1	1160	278200	0	375	380	98 +	360	739	75232	75611
UN41344	Rsa1.0.00009.1	723	232558	1.00E-178	349	360	96 -	161	520	98138	98497
UN41345	Rsa1.0.01119.1	845	53459	0	804	845	95 +	13	843	718	1559
UN41346	Rsa1.0.59058.1	666	387	1.00E-149	309	319	96 +	351	666	1	318
UN41347	Rsa1.0.00009.1	813	232558	0	466	472	98 +	345	813	11517	11988
UN41348	Rsa1.0.00017.1	687	752458	0	683	684	99 +	1	684	700507	701190
UN41349	Rsa1.0.02429.1	719	31527	0	490	539	90 +	17	549	9755	10293
UN41350	Rsa1.0.39426.1	713	570	0	410	427	96 +	300	713	46	472
UN41351	Rsa1.0.07863.1	500	8404	0	496	496	100 -	3	498	2563	3058
UN41352	Rsa1.0.05093.1	884	14876	1.00E-168	305	307	99 +	1	307	11047	11353
UN41353	Rsa1.0.02069.1	708	35425	1.00E-170	401	433	92 -	276	707	20657	21072
UN41354	Rsa1.0.01328.1	772	48021	0	770	770	100 +	3	772	46011	46780
UN41355	Rsa1.0.02253.1	1100	33356	1.00E-102	196	198	98 +	43	240	23377	23574
UN41356	Rsa1.0.29217.1	1019	789	1.00E-129	398	454	87 +	336	764	335	788
UN41357	Rsa1.0.02231.1	689	33661	0	622	657	94 -	37	689	27228	27884
UN41358	Rsa1.0.05365.1	892	14040	1.00E-140	326	345	94 +	562	892	11967	12311
UN41359	Rsa1.0.00582.1	924	74333	1.00E-170	319	324	98 +	190	513	4766	5089
UN41360	Rsa1.0.04387.1	1110	17625	0	1106	1109	99 -	1	1109	1741	2849
UN41361	Rsa1.0.05262.1	892	14334	0	463	474	97 -	1	472	11075	11542
UN41362	Rsa1.0.01913.1	778	37363	1.00E-110	314	351	89 -	3	351	27662	27995
UN41363	Rsa1.0.05477.1	785	13613	5.00E-86	165	166	99 -	365	530	4693	4858
UN41364	Rsa1.0.00017.1	448	752458	0	327	327	100 +	122	448	536573	536899
UN41365	Rsa1.0.00159.1	727	431686	8.00E-97	271	297	91 +	442	727	325900	326195
UN41366	Rsa1.0.00382.1	897	251946	0	360	360	100 -	538	897	242886	243245
UN41367	Rsa1.0.02428.1	794	31542	8.00E-94	181	183	98 -	207	389	25949	26131
UN41368	Rsa1.0.02313.1	463	32653	0	454	459	98 -	1	459	24544	25000
UN41369	Rsa1.0.02020.1	887	173211	0	404	417	96 +	103	519	166801	167212
UN41370	Rsa1.0.06494.1	929	10902	1.00E-167	301	302	99 +	1	302	10106	10407
UN41371	Rsa1.0.14378.1	783	3455	0	430	439	97 +	3	433	2948	3386
UN41372	Rsa1.0.02369.1	857	32075	0	379	380	99 +	415	794	4228	4607
UN41373	Rsa1.0.01511.1	743	44235	1.00E-165	294	294	100 +	450	743	30182	30475
UN41374	Rsa1.0.00024.1	814	188018	1.00E-171	373	398	93 -	413	810	84712	85097
UN41375	Rsa1.0.00145.1	733	261008	1.00E-160	391	426	91 -	316	731	8528	8953
UN41376	Rsa1.0.02248.1	714	33414	1.00E-162	311	318	97 +	397	714	12478	12795
UN41377	Rsa1.0.00706.1	808	291570	0	808	808	100 +	1	808	178104	178911

UN41378	Rsa1.0.02379.1	983	150705	0	561	561	100 -	423	983	141596	142156
UN41379	Rsa1.0.03736.1	927	21081	1.00E-154	316	329	96 -	18	346	9487	9815
UN41380	Rsa1.0.00951.1	1639	164588	0	413	414	99 -	1227	1639	48228	48641
UN41381	Rsa1.0.00063.1	845	156150	0	811	816	99 +	30	845	76915	77730
UN41382	Rsa1.0.00387.1	566	495407	0	557	579	96 -	1	564	468209	468787
UN41383	Rsa1.0.01082.1	486	54640	0	466	483	96 -	4	486	2443	2921
UN41384	Rsa1.0.00058.1	755	159921	1.00E-119	227	230	98 +	3	232	88467	88696
UN41385	Rsa1.0.00472.1	638	398134	0	541	541	100 -	1	541	4539	5079
UN41386	Rsa1.0.01228.1	442	50238	1.00E-94	244	260	93 +	162	416	733	992
UN41387	Rsa1.0.03926.1	815	20024	7.00E-11	87	104	83 +	246	349	18903	19006
UN41388	Rsa1.0.01705.1	1201	40710	2.00E-46	108	112	96 +	483	594	37592	37703
UN41389	Rsa1.0.01540.1	1094	151890	0	629	629	100 +	198	826	119493	120121
UN41390	Rsa1.0.00710.1	1428	67325	1.00E-130	245	248	98 -	1181	1428	16985	17232
UN41391	Rsa1.0.00529.1	298	77487	7.00E-95	258	289	89 -	1	286	69546	69816
UN41392	Rsa1.0.03981.1	476	19724	1.00E-137	347	375	92 +	104	475	17481	17848
UN41393	Rsa1.0.00465.1	894	82138	0	869	903	96 -	1	894	47450	48352
UN41394	Rsa1.0.00294.1	1157	144860	1.00E-163	338	351	96 -	519	869	64661	65008
UN41395	Rsa1.0.00273.1	867	326186	0	866	867	99 +	2	867	822	1688
UN41396	Rsa1.0.00467.1	847	156542	0	794	826	96 -	28	847	92934	93755
UN41397	Rsa1.0.00127.1	895	127446	0	610	616	99 -	279	894	98494	99109
UN41398	Rsa1.0.01139.1	1027	52601	0	513	525	97 -	503	1027	38561	39083
UN41399	Rsa1.0.63101.1	583	364	5.00E-76	170	176	96 +	9	182	1	175
UN41400	Rsa1.0.05606.1	895	13202	0	458	489	93 +	425	893	11672	12160
UN41401	Rsa1.0.01335.1	1004	47894	1.00E-126	236	238	99 +	405	642	15228	15465
UN41402	Rsa1.0.01220.1	468	161775	1.00E-171	344	358	96 +	124	468	138711	139068
UN41403	Rsa1.0.00107.1	1367	431659	0	326	326	100 -	1042	1367	270199	270524
UN41404	Rsa1.0.03566.1	1428	22050	0	1327	1373	96 +	59	1428	16008	17380
UN41405	Rsa1.0.05866.1	1391	12376	0	489	507	96 +	4	504	4019	4525
UN41406	Rsa1.0.05180.1	900	14575	0	670	713	93 -	2	705	4728	5415
UN41407	Rsa1.0.00566.1	1308	75325	0	723	723	100 -	244	966	34366	35088
UN41408	Rsa1.0.04008.1	958	19584	0	603	615	98 -	343	957	4620	5228
UN41409	Rsa1.0.05243.1	590	14399	0	347	347	100 +	1	347	528	874
UN41410	Rsa1.0.00579.1	743	148308	1.00E-159	292	293	99 -	450	741	13862	14154
UN41411	Rsa1.0.01318.1	736	48275	1.00E-121	266	277	96 +	462	736	4086	4361
UN41412	Rsa1.0.00956.1	911	58304	0	772	772	100 -	55	826	38836	39607
UN41413	Rsa1.0.10267.1	1140	5910	1.00E-136	328	355	92 -	547	901	4255	4609
UN41414	Rsa1.0.01626.1	1632	41989	0	545	545	100 +	682	1226	12270	12814
UN41415	Rsa1.0.04542.1	939	16930	1.00E-148	321	335	95 -	3	337	16072	16399
UN41416	Rsa1.0.00816.1	1039	403350	1.00E-136	316	334	94 -	4	334	370200	370527

UN41417	Rsa1.0_00786.1	1017	64285	1.00E-121	257	269	95 -	361	629	49995	50263
UN41418	Rsa1.0_03133.1	633	25135	1.00E-138	250	250	100 -	384	633	8985	9234
UN41419	Rsa1.0_03769.1	860	20955	0	480	488	98 +	375	860	8339	8826
UN41420	Rsa1.0_00301.1	885	365315	0	465	499	93 -	399	885	54315	54807
UN41421	Rsa1.0_02425.1	778	31567	8.00E-54	114	116	98 -	502	617	14279	14394
UN41422	Rsa1.0_00241.1	513	104000	3.00E-61	123	124	99 +	180	303	34619	34742
UN41423	Rsa1.0_00239.1	1101	104332	0	435	445	97 +	253	697	94648	95092
UN41424	Rsa1.0_02245.1	1066	33478	0	728	769	94 -	301	1066	11478	12231
UN41425	Rsa1.0_00394.1	856	148426	0	375	388	96 -	129	516	129296	129683
UN41426	Rsa1.0_03125.1	959	147978	0	606	622	97 -	2	623	131175	131796
UN41427	Rsa1.0_00083.1	850	442773	0	512	523	97 -	327	849	323897	324417
UN41428	Rsa1.0_00436.1	1298	85008	0	1235	1236	99 -	1	1236	24613	25847
UN41429	Rsa1.0_00342.1	1156	93695	1.00E-176	420	456	92 -	48	485	15020	15471
UN41430	Rsa1.0_00284.1	761	323267	0	735	760	96 -	2	759	321074	321832
UN41431	Rsa1.0_02389.1	912	146428	0	469	469	100 +	3	471	130568	131036
UN41432	Rsa1.0_01055.1	1411	55466	0	1341	1413	94 -	1	1404	25321	26727
UN41433	Rsa1.0_00628.1	932	214360	1.00E-96	224	234	95 +	4	235	34505	34734
UN41434	Rsa1.0_02164.1	1622	34426	0	786	839	93 +	167	996	6255	7086
UN41435	Rsa1.0_21397.1	1164	1208	1.00E-151	295	301	98 -	868	1163	237	537
UN41436	Rsa1.0_01052.1	1087	55548	0	810	811	99 -	277	1087	5834	6644
UN41437	Rsa1.0_04079.1	563	19202	1.00E-51	125	132	94 -	38	169	15519	15650
UN41438	Rsa1.0_03336.1	815	23648	0	494	540	91 -	272	808	13930	14466
UN41439	Rsa1.0_00179.1	909	393324	2.00E-73	153	157	97 +	381	537	204930	205086
UN41440	Rsa1.0_00092.1	753	659932	1.00E-95	250	275	90 -	472	745	627152	627409
UN41441	Rsa1.0_02723.1	542	28408	1.00E-138	320	342	93 -	207	542	2561	2902
UN41442	Rsa1.0_02882.1	1337	27039	0	723	736	98 +	3	738	3419	4150
UN41443	Rsa1.0_07780.1	946	8589	0	491	491	100 -	1	491	3045	3535
UN41444	Rsa1.0_00220.1	864	192936	6.00E-64	149	157	94 +	313	469	152131	152287
UN41445	Rsa1.0_00545.1	843	189649	1.00E-166	321	328	97 +	516	843	2122	2448
UN41446	Rsa1.0_01800.1	984	39109	0	523	538	97 -	448	984	6692	7227
UN41447	Rsa1.0_00916.1	670	59789	1.00E-129	287	303	94 +	7	304	22087	22389
UN41448	Rsa1.0_00497.1	473	79830	1.00E-109	233	244	95 +	8	251	43615	43858
UN41449	Rsa1.0_01778.1	1061	39509	1.00E-74	146	147	99 -	222	368	17248	17394
UN41450	Rsa1.0_00066.1	716	152418	0	389	391	99 +	306	696	11265	11655
UN41451	Rsa1.0_02020.1	1097	173211	0	516	528	97 +	25	552	153388	153915
UN41452	Rsa1.0_02157.1	537	149652	1.00E-147	276	280	98 +	84	363	11588	11867
UN41453	Rsa1.0_05748.1	663	12749	1.00E-178	317	317	100 -	1	317	8886	9202
UN41454	Rsa1.0_00086.1	1161	439854	2.00E-83	194	204	95 +	3	203	429	631
UN41455	Rsa1.0_00025.1	708	277312	0	642	676	94 +	3	677	39139	39798

UN41456	Rsa1.0.05721.1	826	12821	1.00E-137	250	251	99 +	576	826	5909	6159
UN41457	Rsa1.0.00151.1	1191	119541	1.00E-145	274	278	98 +	714	991	44479	44756
UN41458	Rsa1.0.00118.1	739	130637	0	344	344	100 +	59	402	119178	119521
UN41459	Rsa1.0.02754.1	523	28213	1.00E-148	299	310	96 +	95	404	8708	9017
UN41460	Rsa1.0.01077.1	709	54772	0	431	443	97 -	267	709	51190	51628
UN41461	Rsa1.0.04252.1	1137	18262	1.00E-123	246	253	97 +	171	423	4528	4780
UN41462	Rsa1.0.00087.1	1131	761073	0	906	982	92 -	1	960	103868	104840
UN41463	Rsa1.0.00055.1	716	520193	1.00E-122	265	279	94 -	1	279	336224	336493
UN41464	Rsa1.0.00422.1	651	86144	0	352	353	99 -	213	565	83575	83927
UN41465	Rsa1.0.02268.1	1518	33172	0	567	567	100 +	60	626	10445	11011
UN41466	Rsa1.0.02777.1	784	27986	1.00E-145	289	298	96 -	4	301	25025	25322
UN41467	Rsa1.0.32536.1	963	699	0	692	699	98 -	66	764	1	699
UN41468	Rsa1.0.00182.1	975	142305	0	873	954	91 +	49	975	35104	36050
UN41469	Rsa1.0.00220.1	602	192936	2.00E-94	278	312	89 -	160	471	4428	4739
UN41470	Rsa1.0.00018.1	1102	410899	0	459	459	100 +	1	459	354798	355256
UN41471	Rsa1.0.00398.1	763	88007	0	396	411	96 -	56	461	63410	63818
UN41472	Rsa1.0.00207.1	463	248736	0	461	463	99 +	1	463	196517	196979
UN41473	Rsa1.0.01789.1	787	39250	0	472	496	95 +	1	488	6114	6607
UN41474	Rsa1.0.00062.1	542	299291	0	534	540	98 +	3	542	175985	176524
UN41475	Rsa1.0.00048.1	879	167185	0	871	890	97 -	3	879	146193	147080
UN41476	#	#	#	#	#	#	#	#	#	#	#
UN41477	Rsa1.0.05762.1	1302	12715	0	1236	1313	94 +	1	1300	6745	8051
UN41478	Rsa1.0.00202.1	694	185895	0	463	463	100 +	6	468	11683	12145
UN41479	Rsa1.0.00685.1	807	68515	0	358	368	97 +	443	807	2413	2780
UN41480	Rsa1.0.06054.1	739	11847	1.00E-12	60	67	89 +	348	414	1384	1450
UN41481	Rsa1.0.04744.1	1262	16154	0	598	598	100 +	1	598	2708	3305
UN41482	Rsa1.0.03605.1	701	21827	1.00E-162	378	407	92 -	289	693	17751	18145
UN41483	Rsa1.0.02377.1	861	31994	1.00E-151	277	279	99 +	583	861	10248	10526
UN41484	Rsa1.0.01397.1	617	183276	1.00E-162	289	289	100 +	329	617	172580	172868
UN41485	Rsa1.0.00522.1	737	78103	0	701	706	99 -	35	737	38649	39354
UN41486	Rsa1.0.04652.1	775	16515	0	464	486	95 -	3	487	10530	11015
UN41487	Rsa1.0.00451.1	769	322533	0	701	727	96 -	3	725	318162	318887
UN41488	Rsa1.0.02831.1	813	27533	1.00E-171	578	669	86 -	119	787	13714	14382
UN41489	Rsa1.0.00602.1	679	73302	0	679	679	100 -	1	679	64335	65013
UN41490	Rsa1.0.09236.1	1106	6540	0	868	943	92 -	50	992	1	937
UN41491	Rsa1.0.00420.1	1273	86496	2.33E-156	264	264	100 +	1010	1273	43127	43390
UN41492	Rsa1.0.02870.1	812	27102	0	573	594	96 -	1	594	6398	6991
UN41493	Rsa1.0.00592.1	886	73788	0	433	459	94 +	62	511	22125	22583
UN41494	Rsa1.0.01198.1	578	51029	1.00E-167	297	297	100 -	282	578	7589	7885

UN41495	Rsa1.0_00213.1	337	108167	4.00E-72	196	210	93 +	2	208	101860	102068
UN41496	Rsa1.0_00568.1	863	75219	0	477	477	100 +	384	860	14560	15036
UN41497	Rsa1.0_04285.1	864	18085	0	864	866	99 -	1	864	16514	17379
UN41498	Rsa1.0_00863.1	878	254535	0	377	387	97 +	492	878	213547	213933
UN41499	Rsa1.0_05632.1	812	13120	0	542	555	97 -	1	553	9530	10084
UN41500	Rsa1.0_02432.1	926	31499	1.00E-164	317	325	97 -	348	672	24312	24636
UN41501	Rsa1.0_00273.1	368	326186	2.33E-156	340	365	93 +	2	361	45551	45908
UN41502	Rsa1.0_02529.1	884	30437	7.00E-76	163	169	96 +	337	505	22816	22984
UN41503	Rsa1.0_07943.1	1162	8207	0	431	437	98 +	726	1162	7526	7961
UN41504	Rsa1.0_00017.1	1160	752458	0	506	530	95 +	631	1160	58376	58893
UN41505	Rsa1.0_02969.1	579	26390	1.00E-130	316	339	93 -	243	573	10016	10349
UN41506	Rsa1.0_00683.1	492	68638	0	492	492	100 -	1	492	58847	59338
UN41507	Rsa1.0_00247.1	1159	103408	2.33E-156	263	263	100 +	897	1159	74920	75182
UN41508	Rsa1.0_00191.1	1055	316976	0	538	540	99 +	1	540	216076	216615
UN41509	Rsa1.0_00108.1	626	478491	0	577	626	92 +	7	623	70435	71044
UN41510	Rsa1.0_00005.1	847	353093	0	409	410	99 +	3	411	346070	346479
UN41511	Rsa1.0_01237.1	857	50124	0	345	349	98 +	509	857	3524	3871
UN41512	Rsa1.0_00348.1	906	92818	0	440	462	95 -	8	466	5116	5577
UN41513	Rsa1.0_02200.1	1015	33981	0	1005	1010	99 +	1	1009	13587	14596
UN41514	Rsa1.0_00546.1	530	76523	0	522	525	99 +	1	525	58473	58997
UN41515	Rsa1.0_00151.1	1029	119541	0	386	395	97 -	3	392	45328	45722
UN41516	Rsa1.0_03958.1	572	19868	1.00E-147	284	289	98 +	263	551	16483	16770
UN41517	Rsa1.0_00816.1	905	403350	0	557	563	98 -	342	904	130282	130844
UN41518	Rsa1.0_01635.1	774	41865	3.00E-90	169	169	100 -	324	492	18928	19096
UN41519	Rsa1.0_15062.1	557	2857	1.00E-165	453	497	91 -	50	539	1	495
UN41520	Rsa1.0_02948.1	1382	26526	0	489	502	97 -	861	1360	14957	15458
UN41521	Rsa1.0_04573.1	845	16789	1.00E-111	218	221	98 +	612	831	5270	5490
UN41522	Rsa1.0_00991.1	1168	143101	0	424	427	99 -	3	429	20055	20481
UN41523	Rsa1.0_00048.1	1246	167185	0	1236	1245	99 +	3	1244	25711	26955
UN41524	Rsa1.0_07352.1	666	9518	1.00E-113	211	212	99 +	454	665	9280	9491
UN41525	Rsa1.0_01340.1	1154	47805	0	554	600	92 -	5	600	46060	46659
UN41526	Rsa1.0_00145.1	701	261008	1.00E-116	401	463	86 -	263	701	95894	96342
UN41527	Rsa1.0_01073.1	930	55030	8.00E-82	167	171	97 +	412	582	13441	13611
UN41528	Rsa1.0_00345.1	713	93226	0	561	597	93 +	1	582	74338	74934
UN41529	Rsa1.0_04971.1	802	15273	0	358	358	100 +	1	358	6433	6790
UN41530	Rsa1.0_10909.1	592	5681	0	450	455	98 -	1	455	85	539
UN41531	Rsa1.0_01785.1	691	39368	0	442	442	100 -	248	689	35727	36168
UN41532	Rsa1.0_01675.1	1515	41155	0	930	940	98 +	576	1512	11052	11989
UN41533	Rsa1.0_01257.1	820	49766	0	661	674	98 +	1	674	483	1151

UN41534	Rsa1.0.00016.1	792	831256	0	763	814	93 -	3	792	499327	500136
UN41535	Rsa1.0.00006.1	1109	396176	0	551	573	96 +	1	566	261367	261939
UN41536	Rsa1.0.00135.1	732	178077	0	462	507	91 -	1	507	9006	9512
UN41537	Rsa1.0.00134.1	875	390219	0	476	495	96 +	381	875	172579	173073
UN41538	Rsa1.0.00657.1	700	69858	1.00E-165	321	330	97 -	371	700	36962	37291
UN41539	Rsa1.0.01014.1	823	56762	1.00E-132	240	240	100 -	584	823	39980	40219
UN41540	Rsa1.0.00036.1	804	176186	0	648	655	98 +	2	655	94056	94710
UN41541	Rsa1.0.01326.1	1214	48072	0	449	455	98 +	26	480	16707	17161
UN41542	Rsa1.0.00025.1	1034	277312	1.00E-180	320	320	100 -	1	320	153562	153881
UN41543	Rsa1.0.08744.1	877	6970	0	660	689	95 -	103	790	5252	5934
UN41544	Rsa1.0.07295.1	722	9599	0	589	616	95 +	3	618	5763	6378
UN41545	Rsa1.0.01228.1	436	50238	1.00E-124	252	260	96 +	154	410	733	992
UN41546	Rsa1.0.14400.1	1050	3430	0	654	714	91 +	331	1033	1	696
UN41547	Rsa1.0.14283.1	1361	3580	0	480	480	100 -	1	480	402	881
UN41548	Rsa1.0.00017.1	765	752458	0	640	667	95 +	99	765	465365	466014
UN41549	Rsa1.0.00006.1	684	396176	0	398	408	97 +	37	442	307699	308106
UN41550	Rsa1.0.00315.1	1096	96426	0	485	488	99 +	2	489	60572	61059
UN41551	Rsa1.0.00092.1	780	659932	1.00E-150	300	309	97 -	470	778	29576	29883
UN41552	Rsa1.0.23760.1	985	1027	0	392	410	95 -	585	985	618	1027
UN41553	Rsa1.0.01301.1	745	169072	0	360	365	98 -	382	745	19529	19893
UN41554	Rsa1.0.00697.1	907	67913	0	737	772	95 +	1	769	42350	43121
UN41555	Rsa1.0.03122.1	565	25207	0	547	566	96 -	3	565	14294	14851
UN41556	Rsa1.0.00146.1	743	149343	1.00E-103	220	230	95 +	97	326	87293	87522
UN41557	Rsa1.0.00063.1	624	156150	1.00E-111	225	232	96 +	120	351	3494	3725
UN41558	Rsa1.0.03810.1	933	20727	0	407	407	100 +	251	657	20321	20727
UN41559	Rsa1.0.00212.1	617	108350	1.00E-131	254	257	98 -	363	617	37824	38080
UN41560	Rsa1.0.00654.1	860	70012	1.00E-157	332	348	95 -	326	670	41118	41465
UN41561	Rsa1.0.02099.1	621	35030	1.00E-143	331	350	94 -	268	614	29860	30208
UN41562	Rsa1.0.00093.1	1417	214962	0	428	444	96 -	9	452	97147	97587
UN41563	Rsa1.0.02521.1	799	30562	2.00E-63	124	124	100 -	165	288	24319	24442
UN41564	Rsa1.0.01702.1	1221	40722	0	525	545	96 -	161	705	18252	18796
UN41565	Rsa1.0.02820.1	1018	27629	0	353	358	98 +	660	1016	3469	3826
UN41566	Rsa1.0.00168.1	698	115870	1.00E-102	278	307	90 +	397	698	38162	38455
UN41567	Rsa1.0.01019.1	884	56636	0	882	885	99 -	1	884	23797	24681
UN41568	Rsa1.0.00015.1	710	561803	1.00E-152	419	469	89 +	104	563	483122	483580
UN41569	Rsa1.0.00007.1	826	239325	0	782	824	94 +	3	821	224903	225716
UN41570	Rsa1.0.00827.1	897	62790	0	653	660	98 -	7	664	30875	31534
UN41571	Rsa1.0.05221.1	981	14452	1.00E-99	201	205	98 +	776	979	8530	8734
UN41572	Rsa1.0.01435.1	1490	45942	0	487	489	99 +	431	919	42964	43452

UN41573	Rsa1.0_00204.1	747	109056	0	695	738	94 +	2	734	64989	65726
UN41574	Rsa1.0_04483.1	670	17174	1.00E-108	211	215	98 -	204	418	8253	8467
UN41575	Rsa1.0_01566.1	438	43134	1.00E-158	282	282	100 +	157	438	14234	14515
UN41576	Rsa1.0_00435.1	582	317579	0	361	375	96 +	1	368	70706	71080
UN41577	Rsa1.0_00421.1	489	86365	1.00E-54	127	133	95 +	141	273	42623	42755
UN41578	Rsa1.0_03853.1	667	20447	0	347	348	99 +	3	350	13326	13672
UN41579	Rsa1.0_00480.1	926	81325	0	359	369	97 +	7	375	28360	28728
UN41580	Rsa1.0_00501.1	1066	79545	0	600	601	99 +	210	810	24411	25011
UN41581	Rsa1.0_01016.1	741	181422	0	615	648	94 +	3	627	158108	158755
UN41582	Rsa1.0_00278.1	940	231896	1.00E-168	300	300	100 +	493	792	15864	16163
UN41583	Rsa1.0_27162.1	814	863	1.00E-130	284	298	95 -	3	299	506	800
UN41584	Rsa1.0_00372.1	651	90418	1.00E-152	302	311	97 -	1	310	85878	86182
UN41585	Rsa1.0_00055.1	760	520193	1.00E-129	306	329	93 +	1	325	49455	49780
UN41586	Rsa1.0_02950.1	1103	26506	0	473	515	91 +	569	1079	7276	7775
UN41587	Rsa1.0_00092.1	1176	659932	0	727	747	97 -	422	1168	334736	335480
UN41588	Rsa1.0_02266.1	979	33195	0	404	424	95 +	25	439	19857	20280
UN41589	Rsa1.0_04252.1	944	18262	0	944	944	100 +	1	944	2115	3058
UN41590	Rsa1.0_00021.1	1142	263655	0	1118	1143	97 -	3	1142	63410	64552
UN41591	Rsa1.0_00720.1	753	66931	0	752	752	100 -	1	752	27050	27801
UN41592	Rsa1.0_06097.1	1020	11751	1.00E-16	95	110	86 +	687	795	10398	10507
UN41593	Rsa1.0_01488.1	843	44766	0	560	579	96 +	3	579	6347	6922
UN41594	Rsa1.0_00351.1	845	413096	1.00E-113	266	283	93 +	563	845	269242	269521
UN41595	Rsa1.0_02869.1	703	27109	0	358	362	98 -	341	699	25547	25908
UN41596	Rsa1.0_00734.1	823	66508	0	442	442	100 -	8	449	44655	45096
UN41597	Rsa1.0_00336.1	609	445051	1.00E-160	376	404	93 -	179	576	149181	149576
UN41598	Rsa1.0_00415.1	644	86795	0	537	578	92 +	77	642	8987	9564
UN41599	Rsa1.0_01110.1	889	195852	6.00E-98	185	186	99 +	156	341	50935	51120
UN41600	Rsa1.0_00833.1	929	62621	7.00E-73	146	148	98 +	529	676	9523	9670
UN41601	Rsa1.0_00397.1	1325	88189	0	673	702	95 +	451	1141	4548	5249
UN41602	Rsa1.0_00104.1	1049	368722	1.00E-121	224	225	99 +	3	227	18537	18761
UN41603	Rsa1.0_00509.1	818	78829	1.00E-112	304	333	91 -	504	818	42569	42900
UN41604	Rsa1.0_02964.1	935	26407	0	373	385	96 -	2	386	21786	22170
UN41605	Rsa1.0_02027.1	1131	35869	0	472	506	93 -	1	492	9075	9575
UN41606	Rsa1.0_08366.1	588	7466	1.00E-76	161	165	97 +	5	167	4380	4544
UN41607	Rsa1.0_02648.1	652	29073	9.00E-47	102	104	98 +	241	344	28066	28169
UN41608	Rsa1.0_00342.1	513	93695	0	491	514	95 -	4	513	12449	12962
UN41609	Rsa1.0_00234.1	597	197060	0	572	595	96 +	3	597	29670	30255
UN41610	Rsa1.0_02672.1	712	28884	0	518	536	96 -	3	535	27575	28110
UN41611	Rsa1.0_00178.1	1177	114861	7.00E-89	308	353	87 +	3	355	66277	66605

UN41612	Rsa1.0.06675.1	781	10561	0	524	549	95 -	235	781	9554	10101
UN41613	Rsa1.0.00645.1	475	189716	5.00E-97	186	188	98 -	40	227	35226	35413
UN41614	Rsa1.0.02892.1	578	27000	0	569	575	98 -	3	576	497	1071
UN41615	Rsa1.0.00123.1	911	325650	0	596	613	97 -	1	612	272248	272859
UN41616	Rsa1.0.02099.1	552	35030	1.00E-161	300	304	98 -	249	552	32705	33008
UN41617	Rsa1.0.09707.1	767	6199	1.00E-123	309	338	91 +	430	767	5205	5529
UN41618	Rsa1.0.00802.1	1076	63846	1.00E-102	246	261	94 +	818	1076	17081	17340
UN41619	Rsa1.0.08339.1	607	7509	0	488	514	94 -	4	511	2566	3079
UN41620	Rsa1.0.00038.1	752	314568	1.00E-143	278	282	98 -	465	745	307194	307474
UN41621	Rsa1.0.04218.1	770	18423	1.00E-180	374	391	95 -	384	770	16926	17308
UN41622	Rsa1.0.00135.1	811	178077	0	353	354	99 -	3	356	113811	114164
UN41623	Rsa1.0.00555.1	732	75920	0	578	599	96 -	91	683	51205	51801
UN41624	Rsa1.0.01510.1	1100	44237	0	614	682	90 -	1	679	18824	19474
UN41625	Rsa1.0.02964.1	872	26407	1.00E-151	281	283	99 +	590	872	14541	14822
UN41626	Rsa1.0.00073.1	718	240924	1.00E-86	214	231	92 +	365	594	95380	95601
UN41627	Rsa1.0.75894.1	689	302	1.00E-112	205	205	100 -	485	689	98	302
UN41628	Rsa1.0.03157.1	911	24955	1.00E-147	287	294	97 +	457	746	1625	1918
UN41629	Rsa1.0.00335.1	838	94371	1.00E-120	247	252	98 -	586	836	33599	33848
UN41630	Rsa1.0.00692.1	969	68151	0	615	679	90 -	3	681	52276	52954
UN41631	Rsa1.0.00108.1	907	478491	1.00E-89	168	168	100 +	351	518	279007	279174
UN41632	Rsa1.0.00008.1	1326	358124	1.00E-129	324	356	91 -	966	1306	162278	162632
UN41633	Rsa1.0.01286.1	776	49209	1.00E-151	271	271	100 +	506	776	3049	3319
UN41634	Rsa1.0.04961.1	666	15316	1.00E-159	288	289	99 +	374	662	13226	13514
UN41635	Rsa1.0.00469.1	651	82084	0	620	660	93 -	1	649	56543	57193
UN41636	Rsa1.0.00798.1	832	63945	0	427	438	97 -	144	581	45476	45913
UN41637	Rsa1.0.00124.1	762	262503	1.00E-109	222	229	96 +	211	439	16355	16583
UN41638	Rsa1.0.01492.1	815	44704	3.00E-81	166	170	97 -	362	531	27037	27206
UN41639	Rsa1.0.00065.1	964	454616	1.00E-139	296	310	95 -	655	964	172359	172666
UN41640	Rsa1.0.02428.1	952	31542	8.00E-76	151	153	98 -	543	695	16105	16257
UN41641	Rsa1.0.27652.1	888	844	0	500	501	99 +	1	501	267	767
UN41642	Rsa1.0.02345.1	525	32337	1.00E-103	227	238	95 +	264	499	17017	17254
UN41643	Rsa1.0.00108.1	1143	478491	2.00E-70	171	182	93 -	795	973	422701	422882
UN41644	Rsa1.0.02133.1	559	34726	0	448	454	98 +	3	456	33538	33989
UN41645	Rsa1.0.05418.1	712	13816	0	377	379	99 +	335	712	2041	2419
UN41646	Rsa1.0.01838.1	838	38500	1.00E-143	306	322	95 -	106	427	17537	17858
UN41647	Rsa1.0.02817.1	746	27644	0	741	744	99 +	3	746	8965	9708
UN41648	Rsa1.0.00286.1	495	98709	2.00E-72	160	167	95 +	49	215	11286	11452
UN41649	Rsa1.0.02846.1	779	27338	0	696	706	98 +	1	703	19946	20651
UN41650	Rsa1.0.00017.1	404	752458	5.00E-78	201	217	92 -	33	247	271555	271768

UN41651	Rsa1.0.00629.1	560	71381	1.00E-85	170	173	98 +	3	175	39232	39404
UN41652	Rsa1.0.02923.1	720	26736	0	617	664	92 -	25	688	14986	15645
UN41653	Rsa1.0.01126.1	710	53127	0	684	710	96 -	1	710	37566	38275
UN41654	Rsa1.0.00720.1	614	66931	1.00E-151	336	355	94 +	263	613	26080	26431
UN41655	Rsa1.0.01828.1	912	38681	0	817	834	97 -	79	912	6850	7683
UN41656	Rsa1.0.01523.1	921	43959	7.00E-67	133	134	99 -	350	483	3644	3777
UN41657	Rsa1.0.06160.1	847	11596	0	818	853	95 +	1	847	3984	4835
UN41658	Rsa1.0.00092.1	539	659932	0	515	532	96 +	4	535	650841	651366
UN41659	Rsa1.0.01786.1	1106	133324	0	826	868	95 +	20	881	98696	99561
UN41660	Rsa1.0.00152.1	1118	257730	1.00E-162	444	500	88 -	196	683	76320	76807
UN41661	Rsa1.0.01832.1	1079	38581	1.00E-157	321	331	96 +	751	1077	35460	35788
UN41662	Rsa1.0.00179.1	302	393324	2.00E-89	198	207	95 -	97	302	352534	352740
UN41663	Rsa1.0.02178.1	777	156197	1.00E-144	260	260	100 -	249	508	12722	12981
UN41664	Rsa1.0.05894.1	629	12306	0	609	628	96 -	3	629	8532	9158
UN41665	Rsa1.0.01951.1	653	36941	1.00E-141	331	361	91 +	3	349	12706	13057
UN41666	Rsa1.0.00340.1	701	305782	0	390	407	95 -	301	699	159687	160093
UN41667	Rsa1.0.00145.1	823	261008	0	409	414	98 -	408	821	95930	96342
UN41668	Rsa1.0.00294.1	506	144860	1.00E-103	279	309	90 +	5	304	54796	55096
UN41669	Rsa1.0.00301.1	558	365315	0	529	557	94 +	3	558	27291	27843
UN41670	Rsa1.0.00690.1	615	140527	0	376	390	96 -	226	615	12354	12743
UN41671	Rsa1.0.36260.1	707	622	8.00E-69	184	201	91 -	171	371	422	622
UN41672	Rsa1.0.18460.1	489	1595	1.00E-165	445	492	90 -	2	487	760	1231
UN41673	Rsa1.0.01512.1	889	44234	1.00E-159	365	394	92 -	3	385	32378	32765
UN41674	Rsa1.0.00130.1	1114	125737	1.00E-113	311	343	90 -	4	345	80395	80735
UN41675	Rsa1.0.00171.1	700	115622	0	475	491	96 +	113	603	113874	114364
UN41676	Rsa1.0.14327.1	703	3518	0	660	692	95 -	11	702	621	1297
UN41677	Rsa1.0.00562.1	1303	75565	0	1138	1215	93 -	115	1300	23842	25040
UN41678	Rsa1.0.04123.1	675	18947	0	644	676	95 +	2	673	11874	12549
UN41679	Rsa1.0.04602.1	1056	16684	0	451	465	96 +	591	1054	3198	3662
UN41680	Rsa1.0.00230.1	215	105389	3.00E-53	144	153	94 -	54	205	2566	2715
UN41681	Rsa1.0.01552.1	646	43396	3.00E-99	260	284	91 +	374	646	12725	13008
UN41682	Rsa1.0.00503.1	611	79468	4.00E-64	159	169	94 +	11	176	65501	65666
UN41683	Rsa1.0.00457.1	884	337301	0	876	883	99 +	2	884	159608	160489
UN41684	Rsa1.0.02117.1	1504	34843	1.00E-145	271	274	98 -	272	545	15985	16258
UN41685	Rsa1.0.04542.1	868	16930	2.00E-98	270	303	89 +	3	298	14616	14898
UN41686	Rsa1.0.00250.1	838	273771	0	480	484	99 -	8	491	32014	32496
UN41687	Rsa1.0.02493.1	646	30854	1.00E-137	274	281	97 +	121	396	6059	6339
UN41688	Rsa1.0.01997.1	1422	158416	1.00E-149	305	316	96 -	1	314	9830	10145
UN41689	Rsa1.0.04588.1	1268	16739	0	412	432	95 +	842	1268	1662	2093

UN41690	Rsa1.0.00065.1	1097	454616	0	446	460	96 -	638	1097	195255	195711
UN41691	Rsa1.0.00273.1	609	326186	1.00E-104	220	229	96 -	381	609	26850	27078
UN41692	Rsa1.0.00029.1	698	272992	1.00E-67	155	163	95 +	179	341	13039	13201
UN41693	Rsa1.0.00593.1	713	143463	1.00E-147	265	265	100 -	447	711	54715	54979
UN41694	Rsa1.0.02504.1	694	30706	4.00E-40	97	101	96 -	400	500	7197	7297
UN41695	Rsa1.0.01282.1	682	49304	0	633	681	92 +	1	680	26601	27257
UN41696	Rsa1.0.02605.1	707	29637	1.00E-117	271	288	94 +	3	289	12918	13202
UN41697	Rsa1.0.02392.1	746	152517	1.00E-160	329	338	97 +	4	339	25808	26143
UN41698	Rsa1.0.14042.1	732	3881	0	725	731	99 -	2	732	1641	2371
UN41699	Rsa1.0.38721.1	588	581	1.00E-147	285	291	97 +	8	296	291	581
UN41700	Rsa1.0.13686.1	489	4480	0	474	491	96 +	1	489	404	892
UN41701	Rsa1.0.01527.1	1218	43905	1.00E-143	308	322	95 -	897	1218	31237	31556
UN41702	Rsa1.0.00991.1	1206	143101	0	910	961	94 -	2	946	34237	35183
UN41703	Rsa1.0.00124.1	500	262503	3.00E-74	234	256	91 -	252	500	47449	47697
UN41704	Rsa1.0.03256.1	810	24305	1.00E-132	263	271	97 -	31	301	23207	23477
UN41705	Rsa1.0.02429.1	752	31527	0	497	526	94 +	45	570	9762	10284
UN41706	Rsa1.0.03330.1	1131	23671	1.00E-147	322	340	94 +	793	1130	11643	11978
UN41707	Rsa1.0.03826.1	835	20614	3.00E-87	252	281	89 +	2	282	13341	13607
UN41708	Rsa1.0.00283.1	1110	183797	1.00E-134	246	247	99 +	172	418	173019	173265
UN41709	Rsa1.0.01728.1	1335	40239	0	1256	1353	92 -	1	1334	3994	5337
UN41710	Rsa1.0.00271.1	621	101125	1.00E-98	225	238	94 +	380	615	80400	80637
UN41711	Rsa1.0.02813.1	490	27656	3.00E-80	220	246	89 +	123	368	25679	25909
UN41712	Rsa1.0.06168.1	815	11580	1.00E-140	342	371	92 +	437	790	8500	8870
UN41713	Rsa1.0.01313.1	769	48387	1.00E-114	240	249	96 +	1	248	12996	13244
UN41714	Rsa1.0.00342.1	732	93695	0	400	414	96 -	75	488	15061	15471
UN41715	Rsa1.0.03958.1	457	19868	2.00E-93	214	226	94 +	232	457	16483	16702
UN41716	Rsa1.0.54025.1	872	422	0	411	422	97 +	219	637	1	422
UN41717	Rsa1.0.00104.1	761	368722	2.00E-91	192	199	96 -	563	761	333261	333459
UN41718	Rsa1.0.01239.1	1185	50107	0	1114	1158	96 -	3	1159	19411	20553
UN41719	Rsa1.0.02003.1	868	36171	1.00E-77	307	357	85 -	512	867	31514	31850
UN41720	Rsa1.0.01838.1	789	38500	0	745	759	98 -	1	759	8300	9057
UN41721	Rsa1.0.00077.1	654	145005	0	573	588	97 +	3	589	1855	2442
UN41722	Rsa1.0.02271.1	821	157424	1.00E-155	386	420	91 -	6	424	147642	148058
UN41723	Rsa1.0.00026.1	720	327835	0	458	467	98 -	256	720	177110	177576
UN41724	Rsa1.0.00048.1	572	167185	1.00E-141	319	337	94 -	239	572	144486	144821
UN41725	Rsa1.0.03452.1	1042	22817	0	927	951	97 +	2	951	2654	3604
UN41726	Rsa1.0.00645.1	702	189716	2.00E-91	202	211	95 -	285	494	148236	148446
UN41727	Rsa1.0.00796.1	613	63997	1.00E-153	306	316	96 -	292	607	35846	36158
UN41728	Rsa1.0.00533.1	737	77375	0	533	546	97 -	192	735	4487	5028

UN41729	Rsa1.0.01361.1	1306	47226	0	1025	1078	95 -	210	1287	36994	38050
UN41730	Rsa1.0.02872.1	794	27080	0	356	366	97 -	3	368	12112	12477
UN41731	Rsa1.0.03664.1	583	21487	1.00E-106	211	216	97 -	327	542	7048	7263
UN41732	Rsa1.0.00964.1	867	316648	1.00E-175	348	360	96 +	506	865	304161	304520
UN41733	Rsa1.0.02935.1	473	26621	2.00E-78	181	191	94 +	3	193	24481	24668
UN41734	Rsa1.0.14767.1	464	3079	1.00E-138	307	324	94 -	139	460	2587	2909
UN41735	Rsa1.0.00601.1	884	177045	1.00E-165	352	370	95 -	517	883	26140	26496
UN41736	Rsa1.0.01836.1	593	38503	0	567	595	95 -	1	590	17891	18485
UN41737	Rsa1.0.00323.1	1088	159650	0	816	865	94 +	225	1086	148966	149828
UN41738	Rsa1.0.00502.1	718	204180	6.00E-82	181	187	96 -	533	718	182264	182449
UN41739	Rsa1.0.05938.1	866	12173	0	832	870	95 +	1	866	3002	3866
UN41740	Rsa1.0.00235.1	877	154696	0	431	452	95 -	385	835	139922	140365
UN41741	Rsa1.0.01617.1	1280	42127	0	380	396	95 +	378	766	24907	25302
UN41742	Rsa1.0.01454.1	1370	45440	1.00E-148	322	338	95 +	1037	1366	12955	13292
UN41743	Rsa1.0.00683.1	523	68638	0	492	515	95 -	3	516	58854	59368
UN41744	Rsa1.0.00285.1	1675	149638	1.00E-154	294	300	98 +	1350	1649	56343	56642
UN41745	Rsa1.0.36399.1	578	620	1.00E-164	327	335	97 -	1	335	2	332
UN41746	Rsa1.0.02508.1	816	30675	0	381	391	97 +	3	393	20157	20545
UN41747	Rsa1.0.00421.1	745	86365	1.00E-74	248	276	89 -	470	738	82660	82933
UN41748	Rsa1.0.01536.1	661	43747	0	338	339	99 -	323	661	23585	23923
UN41749	Rsa1.0.00023.1	1358	194764	1.00E-166	324	332	97 +	3	333	182540	182871
UN41750	Rsa1.0.01655.1	767	41508	0	397	413	96 +	1	411	1676	2088
UN41751	Rsa1.0.00266.1	879	163932	1.00E-100	195	198	98 +	465	662	7175	7372
UN41752	Rsa1.0.08192.1	837	7762	0	425	433	98 -	405	837	2266	2698
UN41753	Rsa1.0.09048.1	739	6683	0	703	738	95 +	2	738	4024	4758
UN41754	Rsa1.0.00046.1	737	320315	0	736	737	99 -	1	737	316077	316813
UN41755	Rsa1.0.00964.1	672	316648	0	638	668	95 -	1	667	264786	265435
UN41756	Rsa1.0.05795.1	1114	12609	0	1107	1113	99 -	3	1114	7706	8818
UN41757	Rsa1.0.02893.1	510	26999	1.00E-144	262	263	99 -	248	510	24352	24614
UN41758	Rsa1.0.02642.1	819	29181	0	412	416	99 +	3	417	14546	14961
UN41759	Rsa1.0.02928.1	873	26680	0	505	538	93 -	336	873	20005	20537
UN41760	Rsa1.0.01034.1	588	56046	1.00E-108	214	219	97 -	3	221	35993	36211
UN41761	Rsa1.0.01422.1	776	46172	0	690	723	95 +	59	771	39272	39991
UN41762	Rsa1.0.00373.1	1350	90296	1.00E-167	337	350	96 -	323	672	71492	71841
UN41763	Rsa1.0.08779.1	651	6929	0	608	628	96 +	19	646	2716	3340
UN41764	Rsa1.0.02551.1	575	30196	2.00E-97	242	261	92 +	1	258	16656	16908
UN41765	Rsa1.0.02884.1	759	27034	0	642	678	94 -	3	668	12569	13242
UN41766	Rsa1.0.00092.1	370	659932	2.00E-71	200	215	93 -	162	370	190125	190338
UN41767	Rsa1.0.00201.1	743	232851	5.00E-92	215	229	93 +	510	738	4150	4369

UN41768	Rsa1.0.01146.1	635	163455	1.00E-103	276	299	92 +	341	633	162766	163062
UN41769	Rsa1.0.00662.1	619	192183	1.00E-155	300	305	98 -	315	619	11331	11633
UN41770	Rsa1.0.00978.1	782	57739	0	492	507	97 -	1	507	1744	2250
UN41771	Rsa1.0.00394.1	1340	148426	1.00E-172	374	396	94 -	3	395	107052	107447
UN41772	Rsa1.0.00949.1	513	58549	1.00E-97	250	269	92 -	254	513	15587	15851
UN41773	Rsa1.0.00744.1	650	66084	1.00E-73	147	149	98 +	2	150	31989	32137
UN41774	Rsa1.0.00821.1	602	62891	0	439	460	95 -	71	529	5144	5601
UN41775	Rsa1.0.00240.1	1029	104175	0	539	548	98 -	482	1029	96799	97346
UN41776	Rsa1.0.00387.1	642	495407	0	540	543	99 +	5	547	468167	468709
UN41777	Rsa1.0.01022.1	814	56606	0	370	382	96 -	433	814	14341	14719
UN41778	Rsa1.0.02045.1	776	35650	0	757	780	97 -	2	775	15147	15923
UN41779	Rsa1.0.01993.1	712	36384	0	685	724	94 -	7	712	8987	9708
UN41780	Rsa1.0.00799.1	868	63918	6.00E-95	225	239	94 -	611	843	10667	10902
UN41781	Rsa1.0.00352.1	682	92266	0	405	406	99 -	277	682	63746	64151
UN41782	Rsa1.0.00842.1	520	62493	2.00E-53	128	135	94 -	131	265	39447	39581
UN41783	Rsa1.0.01561.1	853	43227	1.00E-129	277	291	95 -	35	325	28427	28717
UN41784	Rsa1.0.00176.1	1144	240984	2.00E-43	121	131	92 +	895	1025	18131	18261
UN41785	Rsa1.0.03100.1	1049	25411	1.00E-142	294	305	96 +	612	916	1871	2174
UN41786	Rsa1.0.01605.1	1140	42442	0	427	431	99 -	710	1138	7045	7475
UN41787	Rsa1.0.03238.1	766	24432	0	669	736	90 +	1	725	3548	4256
UN41788	Rsa1.0.02855.1	775	27271	0	383	391	97 +	94	484	10359	10749
UN41789	Rsa1.0.02806.1	795	27696	1.00E-125	301	318	94 +	2	315	4909	5223
UN41790	Rsa1.0.00205.1	1354	193401	0	612	629	97 -	557	1185	181764	182392
UN41791	Rsa1.0.00173.1	534	288743	1.00E-177	370	390	94 -	138	518	39208	39597
UN41792	Rsa1.0.03135.1	595	25114	0	589	592	99 -	1	592	2092	2683
UN41793	Rsa1.0.01182.1	795	167304	1.00E-118	225	228	98 +	234	461	165655	165882
UN41794	Rsa1.0.01732.1	1226	40194	0	746	747	99 +	1	746	24242	24988
UN41795	Rsa1.0.02794.1	785	27820	0	472	477	98 -	2	478	618	1094
UN41796	Rsa1.0.34213.1	827	662	1.00E-105	273	300	91 -	48	341	161	454
UN41797	Rsa1.0.02722.1	920	28417	0	413	422	97 -	502	920	266	687
UN41798	Rsa1.0.03247.1	1161	24371	0	729	758	96 +	1	752	11700	12457
UN41799	Rsa1.0.00090.1	685	273859	0	494	508	97 -	5	511	148579	149086
UN41800	Rsa1.0.00253.1	698	231292	7.00E-97	180	180	100 +	144	323	90022	90201
UN41801	Rsa1.0.01675.1	1476	41155	1.00E-152	298	306	97 -	271	576	40809	41114
UN41802	Rsa1.0.00094.1	701	139042	5.00E-95	198	205	96 +	153	357	118743	118947
UN41803	Rsa1.0.00619.1	628	71985	1.00E-156	299	304	98 +	1	303	69770	70073
UN41804	Rsa1.0.00316.1	1082	96264	0	413	432	95 -	637	1064	83931	84355
UN41805	Rsa1.0.00208.1	516	108565	1.00E-139	382	426	89 -	101	501	20228	20652
UN41806	Rsa1.0.00614.1	623	72276	1.00E-130	272	280	97 -	10	288	44076	44353

UN41807	Rsa1.0.02874.1	869	27070	1.00E-148	266	266	100 -	1	266	3255	3520
UN41808	Rsa1.0.00370.1	845	90472	0	395	421	93 +	1	421	41151	41561
UN41809	Rsa1.0.02449.1	982	31292	2.00E-42	99	101	98 +	57	156	13359	13459
UN41810	Rsa1.0.00782.1	357	64468	1.00E-147	294	303	97 +	54	354	13384	13686
UN41811	Rsa1.0.00681.1	1372	68779	1.00E-107	225	234	96 +	46	279	52497	52730
UN41812	Rsa1.0.00016.1	503	831256	0	494	519	95 +	1	501	267946	268461
UN41813	Rsa1.0.01603.1	931	42468	0	484	485	99 -	3	486	17728	18212
UN41814	Rsa1.0.01712.1	814	154210	0	390	392	99 -	3	394	24389	24780
UN41815	Rsa1.0.00793.1	811	64103	1.00E-133	297	313	94 -	3	313	61222	61529
UN41816	Rsa1.0.04641.1	680	268012	0	383	383	100 -	3	385	261463	261845
UN41817	Rsa1.0.02851.1	901	27295	0	406	408	99 +	208	615	11791	12198
UN41818	Rsa1.0.17720.1	916	1757	1.00E-135	269	278	96 -	5	275	1100	1377
UN41819	Rsa1.0.05036.1	844	15058	0	549	564	97 -	9	571	14000	14563
UN41820	Rsa1.0.00128.1	1158	228675	0	1152	1157	99 -	1	1155	177257	178413
UN41821	Rsa1.0.05518.1	790	13459	1.00E-132	242	243	99 -	375	617	5665	5907
UN41822	Rsa1.0.01904.1	852	37450	0	472	499	94 -	1	494	11929	12426
UN41823	Rsa1.0.02855.1	732	27271	0	693	730	94 -	3	732	22151	22874
UN41824	Rsa1.0.03664.1	595	21487	1.00E-107	212	217	97 +	25	241	7047	7263
UN41825	Rsa1.0.01251.1	998	49873	0	937	969	96 -	35	997	27202	28165
UN41826	Rsa1.0.00827.1	630	62790	0	624	630	99 +	2	630	38409	39038
UN41827	Rsa1.0.24305.1	965	994	1.00E-140	268	273	98 +	427	699	655	927
UN41828	Rsa1.0.00879.1	570	61297	1.00E-103	208	213	97 +	358	568	55990	56202
UN41829	Rsa1.0.01031.1	692	56236	5.00E-67	156	164	95 +	502	662	41501	41664
UN41830	Rsa1.0.02229.1	824	33672	1.00E-116	226	230	98 +	7	236	15374	15600
UN41831	Rsa1.0.00179.1	648	393324	1.00E-151	293	300	97 -	3	302	351933	352228
UN41832	Rsa1.0.01717.1	653	143162	1.00E-134	266	274	97 -	116	389	15706	15979
UN41833	#	#	#	#	#	#	#	#	#	#	#
UN41834	Rsa1.0.00821.1	923	62891	2.00E-98	207	215	96 +	389	603	49645	49859
UN41835	Rsa1.0.02820.1	944	27629	0	358	366	97 -	579	944	22435	22799
UN41836	Rsa1.0.00152.1	513	257730	1.00E-45	230	273	84 -	248	510	77855	78119
UN41837	Rsa1.0.06455.1	580	10983	3.00E-71	152	157	96 -	198	354	71	227
UN41838	Rsa1.0.22307.1	870	1132	1.00E-176	381	404	94 -	11	414	26	418
UN41839	Rsa1.0.01454.1	1121	45440	1.00E-129	325	354	91 -	766	1119	11011	11343
UN41840	Rsa1.0.00007.1	803	239325	1.00E-132	252	255	98 +	1	255	27778	28031
UN41841	Rsa1.0.12809.1	782	5119	1.00E-113	238	248	95 +	533	780	4445	4692
UN41842	Rsa1.0.00205.1	599	193401	2.00E-93	201	210	95 -	377	586	155377	155586
UN41843	Rsa1.0.03870.1	379	20362	1.00E-170	360	379	94 -	1	379	719	1097
UN41844	Rsa1.0.00637.1	1510	71038	0	859	872	98 +	2	873	2335	3204
UN41845	Rsa1.0.00385.1	558	89160	1.00E-125	274	286	95 +	272	557	31104	31384

UN41846	Rsa1.0.09388.1	1113	6405	1.00E-120	364	419	86 +	25	425	2808	3208
UN41847	Rsa1.0.00116.1	875	365886	0	467	480	97 -	400	875	350800	351278
UN41848	Rsa1.0.00253.1	702	231292	0	658	698	94 -	1	694	196761	197444
UN41849	Rsa1.0.00727.1	680	66724	0	397	402	98 +	275	676	43745	44146
UN41850	Rsa1.0.05123.1	682	14790	0	659	685	96 +	3	681	13959	14641
UN41851	Rsa1.0.00107.1	960	431659	0	701	704	99 +	114	817	14321	15024
UN41852	Rsa1.0.01516.1	981	44196	1.00E-151	320	335	95 +	646	980	36762	37094
UN41853	Rsa1.0.00067.1	666	415055	4.00E-80	169	175	96 +	1	175	388732	388900
UN41854	Rsa1.0.00568.1	824	75219	1.00E-134	266	274	97 -	1	274	17733	18006
UN41855	Rsa1.0.01230.1	770	50221	0	757	770	98 +	1	770	15053	15822
UN41856	Rsa1.0.00080.1	1028	190437	0	502	516	97 +	511	1026	96870	97382
UN41857	Rsa1.0.03418.1	869	147293	1.00E-124	226	226	100 -	644	869	10112	10337
UN41858	Rsa1.0.03736.1	654	21081	1.00E-139	309	326	94 +	53	375	9944	10269
UN41859	Rsa1.0.00772.1	567	64856	5.00E-76	161	165	97 -	404	567	52932	53096
UN41860	Rsa1.0.01541.1	853	43682	0	743	783	94 +	3	781	6818	7585
UN41861	Rsa1.0.11428.1	1767	5511	0	1042	1043	99 -	2	1044	4231	5273
UN41862	Rsa1.0.06677.1	720	10560	1.00E-135	307	328	93 -	391	718	55	382
UN41863	Rsa1.0.00077.1	759	145005	0	426	441	96 -	319	759	138803	139241
UN41864	Rsa1.0.00660.1	1014	69688	1.00E-112	206	206	100 -	445	650	63166	63371
UN41865	Rsa1.0.00928.1	628	59293	1.00E-104	263	285	92 -	351	625	30736	31019
UN41866	Rsa1.0.00069.1	923	403561	0	600	640	93 -	305	920	68462	69096
UN41867	Rsa1.0.00505.1	378	79323	7.00E-74	168	177	94 -	82	258	13080	13256
UN41868	Rsa1.0.03005.1	651	26082	0	630	669	94 +	1	651	23387	24052
UN41869	Rsa1.0.00182.1	782	142305	0	462	481	96 -	303	782	52821	53301
UN41870	Rsa1.0.01175.1	958	51674	1.00E-135	287	298	96 -	666	958	14569	14866
UN41871	Rsa1.0.06936.1	1123	10143	0	402	402	100 -	1	402	502	903
UN41872	Rsa1.0.00071.1	1040	345714	1.00E-162	321	329	97 +	1	327	311411	311738
UN41873	Rsa1.0.21660.1	565	1184	1.00E-159	306	313	97 +	3	315	99	411
UN41874	Rsa1.0.03098.1	1171	25431	0	1107	1153	96 -	1	1136	12742	13894
UN41875	Rsa1.0.01977.1	442	36559	1.00E-110	229	238	96 +	111	348	23106	23343
UN41876	Rsa1.0.00003.1	306	340054	1.00E-90	245	271	90 +	36	306	190660	190918
UN41877	Rsa1.0.00510.1	912	78718	0	836	861	97 -	56	912	37773	38633
UN41878	Rsa1.0.02244.1	739	33494	0	406	419	96 -	321	739	10208	10626
UN41879	Rsa1.0.00385.1	633	89160	0	401	425	94 -	203	624	68845	69265
UN41880	Rsa1.0.01217.1	661	50554	0	629	661	95 +	2	661	47326	47976
UN41881	Rsa1.0.01149.1	637	160459	1.00E-128	329	359	91 +	5	359	152820	153168
UN41882	Rsa1.0.00415.1	744	86795	1.00E-160	342	359	95 -	1	359	4549	4906
UN41883	Rsa1.0.04489.1	879	17145	1.00E-162	292	293	99 -	585	877	8189	8481
UN41884	Rsa1.0.00604.1	688	146282	0	357	362	98 +	169	530	123280	123639

UN41885	Rsa1.0.02114.1	782	34873	1.00E-151	322	338	95 +	445	780	4142	4479
UN41886	Rsa1.0.00710.1	1197	67325	1.00E-115	293	316	92 +	883	1194	38377	38688
UN41887	Rsa1.0.02505.1	736	30703	0	700	737	94 +	3	736	6233	6948
UN41888	Rsa1.0.00779.1	879	64568	0	678	678	100 -	202	879	51257	51934
UN41889	Rsa1.0.00308.1	710	96915	0	367	369	99 +	342	710	81326	81693
UN41890	Rsa1.0.03735.1	1629	21087	0	1624	1641	98 +	1	1629	8013	9653
UN41891	Rsa1.0.15504.1	1168	2567	1.00E-161	310	316	98 -	851	1166	2253	2567
UN41892	Rsa1.0.01606.1	886	42432	0	846	891	94 +	3	886	1028	1901
UN41893	Rsa1.0.00342.1	601	93695	1.00E-45	97	98	98 +	253	350	32012	32109
UN41894	Rsa1.0.05315.1	1151	14166	0	527	527	100 +	625	1151	8973	9499
UN41895	Rsa1.0.00567.1	876	75260	0	676	676	100 +	201	876	66219	66894
UN41896	Rsa1.0.02950.1	1599	26506	0	743	752	98 +	655	1406	9506	10257
UN41897	Rsa1.0.00278.1	781	231896	1.00E-111	246	260	94 +	436	695	15864	16123
UN41898	Rsa1.0.00079.1	949	606987	0	943	948	99 +	1	947	488377	489322
UN41899	Rsa1.0.00662.1	681	192183	2.00E-45	100	102	98 -	422	523	8159	8260
UN41900	Rsa1.0.00406.1	1041	87398	0	373	379	98 +	661	1039	35992	36370
UN41901	Rsa1.0.00152.1	1274	257730	1.00E-152	303	312	97 +	957	1268	66795	67104
UN41902	Rsa1.0.02040.1	818	35684	1.00E-122	228	230	99 +	235	464	15056	15285
UN41903	Rsa1.0.00593.1	616	143463	1.00E-121	257	265	96 -	352	616	54718	54979
UN41904	Rsa1.0.00218.1	764	201480	1.00E-147	339	360	94 -	1	347	173202	173561
UN41905	Rsa1.0.03398.1	891	23207	1.00E-151	274	275	99 +	617	891	10860	11134
UN41906	Rsa1.0.00550.1	871	210790	1.00E-140	268	273	98 -	151	423	980	1252
UN41907	Rsa1.0.03826.1	673	20614	1.00E-142	283	292	96 -	216	507	14877	15168
UN41908	Rsa1.0.00457.1	881	337301	0	569	609	93 +	8	613	317274	317875
UN41909	Rsa1.0.00237.1	789	235974	0	596	613	97 -	180	789	14748	15360
UN41910	Rsa1.0.00058.1	938	159921	0	374	381	98 -	1	381	139467	139847
UN41911	Rsa1.0.00888.1	1063	60978	1.00E-129	255	262	97 -	802	1063	54593	54854
UN41912	Rsa1.0.02722.1	929	28417	4.00E-68	162	172	94 -	523	694	15844	16015
UN41913	Rsa1.0.00240.1	685	104175	1.00E-100	219	229	95 -	428	654	48284	48512
UN41914	Rsa1.0.00427.1	868	189678	0	515	531	96 -	2	532	57292	57822
UN41915	Rsa1.0.00351.1	832	413096	0	382	394	96 +	439	831	267204	267593
UN41916	Rsa1.0.11551.1	672	5472	0	647	669	96 +	4	671	591	1256
UN41917	Rsa1.0.15993.1	634	2329	1.00E-165	377	402	93 +	218	619	1900	2288
UN41918	Rsa1.0.01818.1	606	38837	0	386	398	96 -	109	506	7228	7625
UN41919	Rsa1.0.00017.1	762	752458	0	478	504	94 -	118	621	124431	124925
UN41920	Rsa1.0.00111.1	1110	390088	1.00E-119	261	272	95 -	26	295	349791	350059
UN41921	Rsa1.0.00179.1	580	393324	1.00E-128	239	241	99 -	1	241	40330	40570
UN41922	Rsa1.0.04356.1	814	17764	0	669	726	92 -	95	814	10481	11191
UN41923	Rsa1.0.03204.1	852	24622	1.00E-161	403	439	91 -	346	770	6112	6541

UN41924	Rsa1.0.01137.1	605	52655	1.00E-118	228	232	98 +	144	375	51348	51579
UN41925	Rsa1.0.02406.1	850	145276	1.00E-150	420	465	90 +	387	850	14630	15080
UN41926	Rsa1.0.00347.1	876	93048	1.00E-142	328	348	94 +	528	870	12000	12343
UN41927	Rsa1.0.00121.1	882	278029	7.00E-73	149	152	98 +	700	851	86793	86944
UN41928	Rsa1.0.14001.1	568	3933	4.00E-98	200	205	97 +	366	568	2406	2610
UN41929	Rsa1.0.01137.1	641	52655	1.00E-123	230	232	99 -	268	499	51348	51579
UN41930	Rsa1.0.00707.1	1182	190112	0	397	413	96 -	3	415	179614	180022
UN41931	Rsa1.0.01302.1	661	48907	1.00E-174	349	362	96 -	73	434	4012	4373
UN41932	Rsa1.0.01568.1	1087	43077	0	774	777	99 -	311	1087	494	1270
UN41933	Rsa1.0.01329.1	1421	47982	0	914	921	99 +	501	1421	22593	23512
UN41934	Rsa1.0.01391.1	916	46694	0	881	919	95 -	3	916	12295	13213
UN41935	Rsa1.0.02253.1	761	33356	0	456	461	98 +	300	760	13144	13604
UN41936	Rsa1.0.01434.1	919	45951	0	618	637	97 +	6	642	7337	7966
UN41937	Rsa1.0.01198.1	895	51029	0	468	471	99 -	1	471	11641	12111
UN41938	Rsa1.0.08909.1	496	6799	3.00E-95	245	263	93 +	218	473	5387	5645
UN41939	Rsa1.0.00467.1	1084	156542	0	634	649	97 -	3	651	88257	88900
UN41940	Rsa1.0.00994.1	1210	165189	1.00E-157	317	329	96 -	3	331	316	639
UN41941	Rsa1.0.05621.1	649	13145	0	636	662	96 +	3	649	2038	2699
UN41942	Rsa1.0.00527.1	1457	77733	0	369	379	97 -	227	605	66784	67162
UN41943	Rsa1.0.04981.1	1208	15250	0	347	350	99 -	1	350	3452	3801
UN41944	Rsa1.0.00190.1	739	318240	3.00E-99	199	204	97 -	15	218	165006	165209
UN41945	Rsa1.0.00130.1	738	125737	1.00E-138	303	316	95 +	3	317	38236	38547
UN41946	Rsa1.0.02355.1	666	32260	0	426	429	99 -	239	666	16628	17056
UN41947	Rsa1.0.17775.1	894	1743	0	544	571	95 -	324	893	1179	1743
UN41948	Rsa1.0.00163.1	680	116847	1.00E-135	287	301	95 -	266	566	66573	66873
UN41949	Rsa1.0.00419.1	1075	86562	1.00E-152	361	389	92 -	584	971	15539	15927
UN41950	Rsa1.0.00525.1	703	78030	0	424	427	99 -	276	702	19738	20163
UN41951	Rsa1.0.01209.1	1027	50668	1.00E-151	343	364	94 -	1	356	40043	40402
UN41952	Rsa1.0.00650.1	724	70235	0	609	632	96 -	3	633	44324	44946
UN41953	Rsa1.0.00017.1	619	752458	1.00E-167	486	545	89 +	76	617	700595	701138
UN41954	Rsa1.0.05574.1	1311	13290	1.00E-110	245	263	93 +	355	600	3147	3409
UN41955	Rsa1.0.01543.1	548	43645	0	400	421	95 -	5	423	6110	6530
UN41956	Rsa1.0.02159.1	925	34471	0	841	841	100 -	1	841	568	1408
UN41957	Rsa1.0.04905.1	857	15507	1.00E-165	304	307	99 -	13	319	436	742
UN41958	Rsa1.0.00500.1	874	272308	0	449	453	99 -	3	454	91357	91809
UN41959	Rsa1.0.06348.1	1358	11199	0	765	767	99 +	7	773	874	1640
UN41960	Rsa1.0.00157.1	910	245832	0	872	916	95 +	1	908	194556	195467
UN41961	Rsa1.0.00110.1	873	132719	1.00E-156	307	316	97 +	556	871	92551	92866
UN41962	Rsa1.0.01412.1	472	46311	0	454	472	96 -	1	472	2324	2786

UN41963	Rsa1.0.00481.1	1161	81316	0	331	333	99 +	827	1159	73294	73626
UN41964	Rsa1.0.15801.1	1183	2415	0	1175	1198	98 -	3	1181	422	1618
UN41965	Rsa1.0.01613.1	1114	182542	0	421	444	94 +	1	439	4282	4725
UN41966	Rsa1.0.00139.1	701	357786	0	697	699	99 +	1	699	297306	298004
UN41967	Rsa1.0.00570.1	818	75002	0	521	537	97 +	3	539	71863	72395
UN41968	Rsa1.0.11005.1	759	5650	3.00E-99	208	215	96 -	353	567	98	310
UN41969	Rsa1.0.01719.1	676	40388	0	426	439	97 +	238	676	22514	22951
UN41970	Rsa1.0.03436.1	1069	22958	0	531	572	92 -	499	1069	3679	4225
UN41971	Rsa1.0.00351.1	663	413096	1.00E-120	231	235	98 +	415	649	267204	267438
UN41972	Rsa1.0.00718.1	959	279335	1.00E-157	291	294	98 +	662	955	119976	120269
UN41973	Rsa1.0.05653.1	623	13043	0	565	595	94 +	2	594	10803	11396
UN41974	Rsa1.0.20960.1	478	1250	0	430	437	98 +	44	477	542	978
UN41975	Rsa1.0.00079.1	1153	606987	0	394	405	97 -	750	1153	585063	585467
UN41976	Rsa1.0.00198.1	494	222963	5.00E-94	229	244	93 +	199	441	136413	136651
UN41977	Rsa1.0.00427.1	566	189678	0	408	438	93 +	149	565	153301	153738
UN41978	Rsa1.0.00757.1	567	65559	0	476	504	94 +	67	567	41627	42123
UN41979	Rsa1.0.13923.1	1358	4082	0	898	985	91 +	112	1090	3120	4082
UN41980	Rsa1.0.04892.1	1153	15573	0	340	343	99 -	1	343	1633	1975
UN41981	Rsa1.0.02340.1	1068	32388	0	644	675	95 -	400	1066	19773	20445
UN41982	Rsa1.0.08255.1	1298	7652	0	413	440	93 -	27	456	2723	3162
UN41983	Rsa1.0.00663.1	234	164969	9.00E-91	223	236	94 +	2	234	124105	124338
UN41984	Rsa1.0.02605.1	757	29637	1.00E-135	279	289	96 +	3	290	12914	13202
UN41985	Rsa1.0.01081.1	1420	499226	0	1134	1199	94 +	18	1198	18437	19620
UN41986	Rsa1.0.03264.1	1052	145959	0	745	746	99 +	1	746	141163	141908
UN41987	Rsa1.0.00167.1	1225	116000	0	577	599	96 -	48	646	46321	46919
UN41988	Rsa1.0.00793.1	569	64103	6.00E-97	204	211	96 +	8	218	23512	23720
UN41989	Rsa1.0.18021.1	593	1688	0	575	590	97 +	4	592	445	1034
UN41990	Rsa1.0.00330.1	1188	94666	0	624	642	97 +	1	633	26742	27383
UN41991	Rsa1.0.00730.1	877	66673	1.00E-122	278	294	94 -	587	877	24775	25068
UN41992	Rsa1.0.00235.1	553	154696	1.00E-170	369	394	93 +	1	394	61579	61948
UN41993	Rsa1.0.01595.1	674	175383	1.00E-149	268	268	100 -	1	268	3542	3809
UN41994	Rsa1.0.00481.1	1009	81316	1.00E-129	238	239	99 +	771	1009	38198	38436
UN41995	Rsa1.0.00412.1	950	86935	0	950	953	99 +	1	950	24303	25255
UN41996	Rsa1.0.00538.1	645	77149	1.00E-61	121	121	100 +	106	226	19371	19491
UN41997	Rsa1.0.00122.1	496	265937	0	470	513	91 +	3	496	224795	225303
UN41998	Rsa1.0.02319.1	641	32580	1.00E-86	212	224	94 -	314	531	6518	6740
UN41999	Rsa1.0.00412.1	623	86935	0	617	636	97 -	3	623	34471	35106
UN42000	Rsa1.0.00868.1	537	61630	5.00E-85	229	252	90 -	186	437	28178	28429
UN42001	Rsa1.0.00547.1	854	76521	0	839	857	97 -	1	852	74087	74941

UN42002	Rsa1.0_06009.1	1045	11950	0	789	846	93 +	6	835	8489	9326
UN42003	Rsa1.0_02563.1	1053	30050	2.00E-79	214	235	91 -	293	527	28554	28788
UN42004	Rsa1.0_04786.1	976	15988	0	353	359	98 -	3	361	1623	1978
UN42005	Rsa1.0_01660.1	698	41400	1.00E-174	356	370	96 +	338	698	32286	32654
UN42006	Rsa1.0_00999.1	954	57162	4.00E-87	278	310	89 -	1	301	31755	32056
UN42007	Rsa1.0_00108.1	621	478491	0	613	625	98 -	1	619	70431	71054
UN42008	Rsa1.0_00741.1	811	66117	0	717	768	93 +	51	811	32567	33332
UN42009	Rsa1.0_01031.1	711	56236	9.00E-78	192	204	94 +	513	709	41501	41704
UN42010	Rsa1.0_00469.1	858	82084	0	406	408	99 +	1	408	21562	21968
UN42011	Rsa1.0_00038.1	616	314568	0	611	614	99 +	1	614	238642	239255
UN42012	Rsa1.0_02094.1	665	35116	1.00E-149	283	288	98 -	10	297	4562	4849
UN42013	Rsa1.0_07880.1	915	8369	1.00E-120	219	219	100 -	1	219	7318	7536
UN42014	Rsa1.0_00079.1	632	606987	1.00E-111	256	272	94 -	362	632	198857	199128
UN42015	Rsa1.0_00213.1	562	108167	1.00E-64	165	176	93 +	7	182	39052	39223
UN42016	Rsa1.0_00111.1	1096	390088	0	472	486	97 -	287	772	348911	349396
UN42017	Rsa1.0_00087.1	1002	761073	1.00E-156	283	284	99 -	719	1002	11732	12015
UN42018	Rsa1.0_43921.1	1201	512	3.00E-54	112	113	99 -	757	869	25	137
UN42019	Rsa1.0_38173.1	890	590	1.00E-169	307	309	99 -	359	667	1	309
UN42020	Rsa1.0_00048.1	633	167185	0	382	384	99 +	1	384	146189	146572
UN42021	Rsa1.0_01363.1	623	47195	1.00E-159	437	493	88 -	166	619	13986	14477
UN42022	Rsa1.0_00773.1	1340	64839	0	658	706	93 +	643	1340	50257	50942
UN42023	Rsa1.0_08066.1	798	7964	0	343	346	99 -	454	798	7125	7470
UN42024	Rsa1.0_01198.1	1048	51029	0	483	495	97 +	424	918	30487	30981
UN42025	Rsa1.0_02816.1	321	27649	1.00E-124	292	316	92 +	22	321	5363	5678
UN42026	Rsa1.0_00003.1	1297	340054	1.00E-129	377	421	89 -	882	1297	276991	277397
UN42027	Rsa1.0_01094.1	633	167285	3.00E-37	183	216	84 -	169	384	143774	143988
UN42028	Rsa1.0_03514.1	693	22346	0	689	692	99 +	2	693	9199	9887
UN42029	Rsa1.0_00033.1	487	515811	3.00E-86	256	287	89 +	206	482	33139	33421
UN42030	Rsa1.0_00918.1	618	59720	0	389	392	99 -	1	392	41373	41761
UN42031	Rsa1.0_00108.1	955	478491	0	366	366	100 +	3	368	264576	264941
UN42032	Rsa1.0_00207.1	857	248736	0	448	449	99 -	1	449	22554	23002
UN42033	Rsa1.0_00554.1	588	150953	7.00E-75	176	186	94 +	338	521	141702	141887
UN42034	Rsa1.0_00196.1	659	109960	1.00E-163	390	423	92 +	2	418	3878	4296
UN42035	Rsa1.0_00327.1	1019	94892	0	343	344	99 +	3	346	34058	34401
UN42036	Rsa1.0_02723.1	867	28408	0	512	526	97 -	342	866	7664	8189
UN42037	Rsa1.0_00280.1	1003	99966	0	428	455	94 -	526	962	98620	99074
UN42038	Rsa1.0_00114.1	1004	131330	1.00E-122	295	315	93 +	670	983	86104	86416
UN42039	Rsa1.0_46619.1	689	484	0	463	484	95 -	211	688	2	484
UN42040	Rsa1.0_00439.1	595	142776	1.00E-121	220	220	100 +	376	595	63119	63338

UN42041	Rsa1.0.00191.1	541	316976	0	501	548	91 +	3	540	139726	140250
UN42042	Rsa1.0.02099.1	635	35030	0	362	362	100 -	273	634	32647	33008
UN42043	Rsa1.0.09171.1	970	6586	1.00E-137	274	282	97 -	629	910	5831	6109
UN42044	Rsa1.0.03317.1	515	23782	1.00E-161	373	407	91 -	108	514	7571	7956
UN42045	Rsa1.0.00271.1	802	101125	0	472	504	93 -	63	565	60726	61220
UN42046	Rsa1.0.05360.1	324	14053	1.00E-59	141	149	94 +	24	172	12987	13135
UN42047	Rsa1.0.02340.1	781	32388	0	612	614	99 -	166	779	8614	9227
UN42048	Rsa1.0.05067.1	661	14941	0	421	423	99 -	239	661	5734	6156
UN42049	Rsa1.0.07813.1	504	8493	0	489	498	98 +	6	503	1025	1520
UN42050	Rsa1.0.00477.1	517	81556	0	495	518	95 +	4	516	22028	22541
UN42051	Rsa1.0.00011.1	890	225044	1.00E-96	186	188	98 -	477	664	50685	50872
UN42052	Rsa1.0.00155.1	1032	118465	0	616	617	99 +	141	757	12377	12993
UN42053	Rsa1.0.00801.1	1064	63861	0	593	603	98 -	3	605	54079	54672
UN42054	Rsa1.0.14746.1	494	3110	1.00E-145	260	260	100 -	232	491	1582	1841
UN42055	Rsa1.0.02365.1	632	32118	1.00E-113	207	207	100 -	1	207	16962	17168
UN42056	Rsa1.0.08871.1	883	6839	0	761	798	95 +	86	883	214	1007
UN42057	Rsa1.0.00740.1	507	215972	0	453	473	95 +	35	507	11279	11748
UN42058	Rsa1.0.06312.1	484	11253	0	361	365	98 +	120	484	2461	2825
UN42059	Rsa1.0.00119.1	821	467509	1.00E-86	166	167	99 +	614	780	7309	7475
UN42060	Rsa1.0.00683.1	467	68638	1.00E-158	346	368	94 -	3	369	59008	59363
UN42061	Rsa1.0.03436.1	717	22958	0	584	620	94 +	1	619	3620	4216
UN42062	Rsa1.0.00134.1	845	390219	1.00E-162	327	339	96 +	510	845	13216	13554
UN42063	Rsa1.0.00202.1	620	185895	4.00E-98	214	222	96 +	401	620	12228	12449
UN42064	Rsa1.0.04405.1	643	17508	1.00E-118	254	265	95 -	232	496	14359	14619
UN42065	Rsa1.0.03870.1	1044	20362	1.00E-102	231	243	95 -	571	810	17843	18083
UN42066	Rsa1.0.00789.1	1142	64233	3.00E-88	268	299	89 +	210	500	43342	43637
UN42067	Rsa1.0.00566.1	1400	75325	0	875	901	97 +	1	899	68617	69517
UN42068	Rsa1.0.55541.1	479	411	1.00E-169	387	414	93 +	48	449	1	411
UN42069	Rsa1.0.02269.1	782	33168	0	456	468	97 +	315	782	12865	13332
UN42070	Rsa1.0.00266.1	966	163932	1.00E-116	241	248	97 +	695	942	7466	7711
UN42071	Rsa1.0.02674.1	880	28860	0	437	438	99 +	442	879	3363	3800
UN42072	Rsa1.0.00213.1	1004	108167	1.00E-114	216	218	99 +	1	218	93937	94154
UN42073	Rsa1.0.00580.1	791	74515	0	351	351	100 -	441	791	33899	34249
UN42074	Rsa1.0.00504.1	886	79334	0	840	853	98 +	3	853	75259	76110
UN42075	Rsa1.0.02222.1	590	152798	0	586	588	99 -	3	590	23611	24198
UN42076	Rsa1.0.00159.1	609	431686	0	598	614	97 -	2	609	350410	351023
UN42077	Rsa1.0.00007.1	999	239325	1.00E-174	455	497	91 +	523	995	52943	53437
UN42078	Rsa1.0.01175.1	746	51674	1.00E-151	338	355	95 +	14	366	35950	36301
UN42079	Rsa1.0.00179.1	328	393324	3.00E-73	206	225	91 +	8	227	352517	352740

UN42080	Rsa1.0.03581.1	761	21965	0	395	412	95 +	173	583	1557	1965
UN42081	Rsa1.0.00100.1	676	249232	1.00E-79	212	229	92 +	433	660	115618	115842
UN42082	Rsa1.0.00583.1	831	74309	0	454	492	92 +	226	709	71796	72285
UN42083	Rsa1.0.02129.1	708	34757	1.00E-135	270	280	96 -	400	670	5631	5910
UN42084	Rsa1.0.00777.1	853	191865	1.00E-179	363	376	96 -	4	375	182385	182759
UN42085	Rsa1.0.02952.1	585	26492	0	585	585	100 +	1	585	20507	21091
UN42086	Rsa1.0.00111.1	404	390088	1.00E-164	352	371	94 -	32	402	174815	175177
UN42087	Rsa1.0.00569.1	808	75060	1.00E-143	302	317	95 +	2	318	64318	64628
UN42088	Rsa1.0.05811.1	546	12572	0	387	399	96 +	148	545	11595	11991
UN42089	Rsa1.0.07579.1	718	9086	1.00E-120	231	234	98 -	4	235	1	234
UN42090	Rsa1.0.00207.1	486	248736	1.00E-126	404	456	88 -	4	452	196533	196974
UN42091	Rsa1.0.00453.1	761	83031	1.00E-125	237	239	99 -	521	758	39323	39561
UN42092	Rsa1.0.00584.1	883	74295	0	548	554	98 +	331	883	46233	46786
UN42093	Rsa1.0.00647.1	602	70440	3.00E-96	205	213	96 +	78	287	67446	67658
UN42094	Rsa1.0.07481.1	1048	9280	1.00E-129	299	318	94 -	505	819	4144	4461
UN42095	Rsa1.0.00593.1	938	143463	0	497	515	96 -	150	662	55065	55579
UN42096	Rsa1.0.04371.1	641	17700	0	623	642	97 +	3	641	14356	14994
UN42097	Rsa1.0.00008.1	989	358124	1.00E-156	295	299	98 -	29	327	294659	294956
UN42098	Rsa1.0.00644.1	1020	136881	0	412	416	99 -	607	1020	62662	63077
UN42099	Rsa1.0.00056.1	690	332604	1.00E-156	336	353	95 -	343	688	231673	232022
UN42100	Rsa1.0.00094.1	642	139042	0	378	388	97 +	256	642	75565	75952
UN42101	Rsa1.0.05181.1	776	14574	0	648	676	95 -	2	665	234	909
UN42102	Rsa1.0.02836.1	827	27481	1.00E-111	228	236	96 -	323	558	13279	13514
UN42103	Rsa1.0.07446.1	773	9384	0	431	434	99 +	35	468	1078	1511
UN42104	Rsa1.0.02944.1	773	26553	1.00E-153	322	338	95 +	5	342	12724	13055
UN42105	Rsa1.0.03574.1	430	22004	2.00E-96	269	299	89 +	1	293	17889	18178
UN42106	Rsa1.0.01396.1	1116	151624	0	517	540	95 -	584	1116	143421	143960
UN42107	Rsa1.0.20960.1	675	1250	0	466	466	100 -	2	467	513	978
UN42108	Rsa1.0.00773.1	850	64839	0	359	362	99 -	300	661	23153	23514
UN42109	Rsa1.0.05367.1	985	14010	0	429	431	99 +	3	433	2726	3156
UN42110	Rsa1.0.01682.1	782	41090	0	390	392	99 -	111	502	39800	40191
UN42111	Rsa1.0.00237.1	1077	235974	1.00E-150	329	347	94 -	1	344	62409	62753
UN42112	Rsa1.0.03959.1	398	19866	1.00E-128	232	232	100 -	167	398	19554	19785
UN42113	Rsa1.0.00367.1	1030	90750	0	920	955	96 +	3	956	20733	21672
UN42114	Rsa1.0.04458.1	1323	17255	0	417	420	99 +	1	420	6476	6894
UN42115	Rsa1.0.01769.1	786	39568	3.00E-75	144	144	100 +	24	167	7643	7786
UN42116	Rsa1.0.00369.1	1033	266462	1.00E-102	207	212	97 +	3	212	165222	165433
UN42117	Rsa1.0.02310.1	602	32735	0	368	377	97 -	3	374	13010	13386
UN42118	Rsa1.0.41382.1	1050	543	1.00E-166	357	375	95 -	505	876	1	369

UN42119	Rsa1.0.02421.1	630	31579	1.00E-159	291	293	99 -	335	627	28905	29197
UN42120	Rsa1.0.00437.1	696	84879	1.00E-124	247	254	97 +	442	695	44218	44471
UN42121	Rsa1.0.00251.1	764	303968	2.00E-91	174	175	99 +	3	177	122519	122693
UN42122	Rsa1.0.00741.1	786	66117	0	721	772	93 +	18	786	32567	33332
UN42123	Rsa1.0.04794.1	613	15960	1.00E-124	225	225	100 +	181	405	9120	9344
UN42124	Rsa1.0.00497.1	699	79830	1.00E-166	299	300	99 +	400	699	59282	59581
UN42125	Rsa1.0.00283.1	714	183797	0	500	502	99 +	213	714	66230	66731
UN42126	Rsa1.0.00074.1	499	147591	1.00E-152	372	404	92 -	92	494	14549	14952
UN42127	Rsa1.0.03986.1	660	19703	0	630	658	95 +	3	660	666	1323
UN42128	Rsa1.0.00394.1	702	148426	1.00E-117	302	330	91 -	373	702	120713	121030
UN42129	Rsa1.0.17704.1	877	1762	1.00E-129	247	251	98 +	440	690	1	251
UN42130	Rsa1.0.01685.1	909	175033	0	460	464	99 -	446	909	24669	25132
UN42131	Rsa1.0.01519.1	855	44144	1.00E-124	306	335	91 -	2	331	39645	39962
UN42132	Rsa1.0.00934.1	1002	193516	0	482	492	97 +	1	492	175211	175702
UN42133	Rsa1.0.04564.1	946	16837	2.00E-21	69	74	93 +	146	219	2329	2402
UN42134	Rsa1.0.00171.1	785	115622	7.00E-42	100	104	96 +	559	662	41352	41455
UN42135	Rsa1.0.00124.1	624	262503	0	590	643	91 -	3	618	142949	143590
UN42136	Rsa1.0.07639.1	779	8966	0	367	370	99 +	2	369	6030	6399
UN42137	Rsa1.0.15552.1	880	2546	0	333	333	100 +	1	333	2214	2546
UN42138	Rsa1.0.00073.1	754	240924	2.00E-75	162	168	96 +	406	573	95380	95547
UN42139	Rsa1.0.01310.1	706	164719	0	702	706	99 -	1	706	159799	160504
UN42140	Rsa1.0.00407.1	849	191544	1.00E-155	368	389	94 -	462	847	155490	155873
UN42141	Rsa1.0.00296.1	1110	97854	1.00E-147	314	329	95 +	1	328	42901	43229
UN42142	Rsa1.0.06113.1	1011	11721	0	645	659	97 -	355	1011	8912	9569
UN42143	Rsa1.0.01737.1	830	40101	0	441	450	98 +	379	828	17129	17577
UN42144	Rsa1.0.00751.1	439	65759	1.00E-122	239	243	98 -	197	438	42564	42806
UN42145	Rsa1.0.04557.1	788	145048	0	520	538	96 -	252	786	133856	134388
UN42146	Rsa1.0.00948.1	742	58620	0	401	409	98 -	3	411	44940	45348
UN42147	Rsa1.0.05862.1	825	12390	0	604	611	98 +	1	611	1471	2080
UN42148	Rsa1.0.00002.1	842	601661	0	484	504	96 +	155	657	290177	290680
UN42149	Rsa1.0.00869.1	642	61627	1.00E-177	321	323	99 +	317	639	44607	44929
UN42150	Rsa1.0.04885.1	789	15599	2.00E-17	63	66	95 -	14	79	6210	6272
UN42151	Rsa1.0.03746.1	643	21050	1.00E-139	327	346	94 -	3	342	15114	15454
UN42152	Rsa1.0.03985.1	469	19704	0	383	383	100 -	3	385	15765	16147
UN42153	Rsa1.0.00564.1	1086	75428	0	898	956	93 +	59	998	71117	72066
UN42154	Rsa1.0.03400.1	854	23203	0	521	542	96 -	302	843	4015	4553
UN42155	Rsa1.0.06044.1	548	11859	2.00E-81	167	170	98 +	379	548	3048	3216
UN42156	Rsa1.0.00173.1	415	288743	0	381	397	95 -	2	393	203686	204081
UN42157	Rsa1.0.11595.1	827	5463	1.00E-163	316	323	97 +	256	578	1201	1521

UN42158	Rsa1.0_00056.1	827	332604	1.00E-171	304	304	100 +	524	827	310177	310480
UN42159	Rsa1.0_15016.1	452	2892	0	446	449	99 +	3	451	660	1108
UN42160	Rsa1.0_04198.1	811	18504	0	606	631	96 +	1	631	12879	13509
UN42161	Rsa1.0_00027.1	589	283362	0	583	587	99 +	3	589	279141	279726
UN42162	Rsa1.0_02803.1	748	27715	1.00E-155	377	407	92 +	1	397	18710	19115
UN42163	Rsa1.0_00682.1	1234	68680	0	657	666	98 +	572	1233	37339	38004
UN42164	Rsa1.0_02459.1	641	31185	0	395	405	97 +	236	640	13461	13861
UN42165	Rsa1.0_00017.1	981	752458	1.00E-164	297	298	99 +	684	981	578918	579215
UN42166	Rsa1.0_00466.1	654	82132	0	573	578	99 +	78	654	27152	27729
UN42167	Rsa1.0_00217.1	1424	107079	0	583	591	98 -	8	595	53336	53926
UN42168	Rsa1.0_03865.1	732	20373	1.00E-114	225	230	97 -	183	412	15975	16204
UN42169	Rsa1.0_00553.1	696	75983	1.00E-147	268	269	99 -	1	269	68683	68951
UN42170	Rsa1.0_00067.1	773	415055	1.00E-156	283	284	99 +	4	287	241274	241557
UN42171	Rsa1.0_02211.1	623	33857	0	327	327	100 +	4	330	31005	31331
UN42172	Rsa1.0_00094.1	1055	139042	0	596	617	96 -	436	1052	83505	84120
UN42173	Rsa1.0_00159.1	836	431686	0	779	840	92 +	16	833	267218	268052
UN42174	Rsa1.0_04649.1	814	16538	2.00E-88	178	182	97 -	92	273	12025	12206
UN42175	Rsa1.0_02009.1	849	36100	0	428	438	97 -	156	593	35107	35544
UN42176	Rsa1.0_01835.1	134	38542	4.00E-45	129	140	92 -	1	134	21297	21436
UN42177	Rsa1.0_02486.1	876	30965	6.00E-67	130	130	100 +	3	132	9798	9927
UN42178	Rsa1.0_00848.1	709	152362	1.00E-106	198	199	99 +	364	562	48145	48343
UN42179	Rsa1.0_00571.1	942	329018	0	670	680	98 -	261	940	48842	49521
UN42180	Rsa1.0_00685.1	731	68515	0	500	516	96 +	224	730	64046	64561
UN42181	Rsa1.0_00140.1	618	121541	1.00E-167	298	298	100 -	319	616	21998	22295
UN42182	Rsa1.0_00817.1	743	62961	0	460	460	100 +	284	743	30885	31344
UN42183	Rsa1.0_00118.1	466	130637	1.00E-148	426	470	90 -	1	461	45777	46229
UN42184	Rsa1.0_00736.1	762	66455	1.00E-177	342	351	97 +	252	602	6494	6844
UN42185	Rsa1.0_02160.1	897	34468	0	547	550	99 -	22	571	10197	10744
UN42186	Rsa1.0_00316.1	736	96264	0	507	509	99 -	3	511	85542	86050
UN42187	Rsa1.0_00706.1	752	291570	6.00E-70	162	171	94 +	326	496	161836	162006
UN42188	Rsa1.0_12250.1	571	5276	0	425	429	99 +	9	437	549	977
UN42189	Rsa1.0_07403.1	1136	9455	0	505	517	97 -	620	1134	4820	5336
UN42190	Rsa1.0_01836.1	969	38503	1.00E-175	397	420	94 +	1	417	5091	5509
UN42191	Rsa1.0_00157.1	1017	245832	3.00E-91	174	175	99 +	650	824	229901	230075
UN42192	Rsa1.0_00059.1	832	159650	1.00E-168	454	507	89 +	3	482	121125	121628
UN42193	Rsa1.0_00260.1	1137	102021	0	815	852	95 +	206	1056	27623	28462
UN42194	Rsa1.0_08255.1	856	7652	0	462	490	94 +	99	581	3772	4257
UN42195	Rsa1.0_00097.1	192	138858	1.00E-70	141	143	98 -	19	161	26961	27103
UN42196	Rsa1.0_00869.1	884	61627	1.00E-159	287	288	99 -	597	884	52069	52356

UN42197	Rsa1.0.00022.1	535	200461	1.00E-173	310	311	99 -	225	535	31136	31446
UN42198	Rsa1.0.02114.1	780	34873	0	338	342	98 -	3	342	4142	4483
UN42199	Rsa1.0.00020.1	953	283099	1.00E-178	319	320	99 +	1	320	42665	42984
UN42200	Rsa1.0.09388.1	692	6405	1.00E-128	321	354	90 +	1	354	2870	3208
UN42201	Rsa1.0.00021.1	647	263655	1.00E-101	263	290	90 -	1	289	16881	17151
UN42202	Rsa1.0.00270.1	917	101236	1.00E-161	329	344	95 -	301	644	1233	1567
UN42203	Rsa1.0.01046.1	618	152989	0	365	378	96 -	181	558	116420	116797
UN42204	Rsa1.0.00030.1	918	250988	1.00E-152	311	323	96 +	6	328	150151	150470
UN42205	Rsa1.0.00247.1	744	103408	0	733	770	95 +	1	744	66546	67311
UN42206	Rsa1.0.03491.1	615	22541	1.00E-169	362	382	94 -	5	376	9209	9590
UN42207	Rsa1.0.00389.1	919	88795	4.00E-93	210	219	95 +	702	919	68854	69067
UN42208	Rsa1.0.03646.1	748	21598	3.00E-93	251	274	91 +	439	705	13560	13833
UN42209	Rsa1.0.08831.1	753	6887	1.00E-124	238	241	98 -	515	753	4463	4703
UN42210	Rsa1.0.12087.1	955	5317	0	597	612	97 +	343	954	4448	5059
UN42211	Rsa1.0.00985.1	593	161950	1.00E-145	311	327	95 +	268	591	32823	33149
UN42212	Rsa1.0.03572.1	512	146346	0	505	509	99 -	4	512	136990	137498
UN42213	Rsa1.0.00235.1	693	154696	1.00E-140	285	296	96 -	199	494	139093	139388
UN42214	Rsa1.0.03990.1	356	19676	5.00E-84	216	234	92 +	1	221	8886	9116
UN42215	Rsa1.0.00222.1	815	172263	0	767	814	94 +	26	815	65105	65913
UN42216	Rsa1.0.00717.1	1177	67051	1.00E-104	343	397	86 +	781	1177	26216	26581
UN42217	Rsa1.0.00651.1	728	247766	0	383	384	99 -	346	728	105155	105538
UN42218	Rsa1.0.06056.1	569	137271	0	402	420	95 -	58	474	128419	128838
UN42219	Rsa1.0.01382.1	526	46877	1.00E-168	380	405	93 -	13	413	13890	14293
UN42220	Rsa1.0.00124.1	576	262503	0	453	467	97 +	3	469	85908	86374
UN42221	Rsa1.0.10067.1	645	6015	0	341	343	99 -	302	644	705	1047
UN42222	Rsa1.0.00019.1	349	301669	5.00E-78	202	220	91 -	127	346	119771	119980
UN42223	Rsa1.0.00810.1	758	63289	0	417	432	96 +	246	677	6634	7065
UN42224	Rsa1.0.04538.1	1814	16940	0	390	406	96 -	1	404	7026	7429
UN42225	Rsa1.0.01396.1	768	151624	1.00E-172	403	433	93 +	93	523	142859	143290
UN42226	Rsa1.0.03672.1	893	21452	1.00E-147	473	540	87 -	357	886	13327	13863
UN42227	Rsa1.0.00092.1	974	659932	0	727	728	99 +	1	727	334753	335480
UN42228	Rsa1.0.05923.1	554	12230	0	522	554	94 -	3	554	10414	10964
UN42229	Rsa1.0.00261.1	534	151157	0	420	421	99 +	113	533	117132	117552
UN42230	Rsa1.0.00486.1	423	80875	1.00E-122	245	250	98 -	1	248	35708	35956
UN42231	Rsa1.0.03050.1	883	25764	0	880	883	99 +	1	883	24212	25093
UN42232	Rsa1.0.01840.1	718	38449	1.00E-127	401	454	88 -	281	718	4070	4520
UN42233	Rsa1.0.01552.1	778	43396	0	514	538	95 -	259	778	35219	35756
UN42234	Rsa1.0.00133.1	677	123768	0	411	431	95 +	254	676	9867	10296
UN42235	Rsa1.0.14826.1	458	3040	9.00E-74	141	141	100 +	317	457	190	330

UN42236	Rsa1.0.03550.1	1237	22154	0	459	466	98 -	773	1237	10307	10768
UN42237	Rsa1.0.01960.1	743	36766	1.00E-137	251	252	99 +	65	316	5891	6142
UN42238	Rsa1.0.04934.1	586	143962	0	522	549	95 +	41	584	141889	142435
UN42239	Rsa1.0.03111.1	729	25327	1.00E-132	245	247	99 +	213	459	4759	5005
UN42240	Rsa1.0.00040.1	777	324196	0	724	725	99 -	1	725	110449	111173
UN42241	Rsa1.0.00049.1	1253	167018	0	406	416	97 -	1	415	75160	75575
UN42242	Rsa1.0.01065.1	737	55264	0	734	737	99 +	1	737	29589	30325
UN42243	Rsa1.0.01029.1	988	256254	0	941	964	97 -	11	966	149895	150854
UN42244	Rsa1.0.01026.1	677	171624	4.00E-58	115	115	100 -	140	254	169301	169415
UN42245	Rsa1.0.00111.1	897	390088	1.00E-102	238	254	93 +	528	771	349143	349396
UN42246	Rsa1.0.02207.1	773	33914	0	339	340	99 -	3	342	15884	16223
UN42247	Rsa1.0.00332.1	667	94575	1.00E-83	176	182	96 +	145	326	61373	61554
UN42248	Rsa1.0.04905.1	772	15507	1.00E-122	235	239	98 -	24	262	436	674
UN42249	Rsa1.0.04588.1	638	16739	4.00E-98	194	198	97 -	417	614	7101	7298
UN42250	Rsa1.0.01845.1	606	38415	2.00E-72	149	151	98 -	252	401	37490	37640
UN42251	Rsa1.0.00344.1	458	191774	0	456	457	99 +	2	458	157450	157906
UN42252	Rsa1.0.01559.1	981	43262	0	601	612	98 -	371	980	15331	15942
UN42253	Rsa1.0.02068.1	765	35432	0	553	558	99 +	207	764	11601	12158
UN42254	Rsa1.0.00035.1	297	176449	8.00E-98	238	257	92 +	42	297	49123	49370
UN42255	Rsa1.0.00154.1	665	189461	1.00E-148	284	290	97 +	333	622	174179	174468
UN42256	Rsa1.0.00124.1	543	262503	1.00E-131	363	394	92 -	151	535	47509	47894
UN42257	Rsa1.0.00608.1	678	172672	1.00E-153	322	335	96 +	131	465	120841	121173
UN42258	Rsa1.0.17720.1	847	1757	1.00E-130	236	236	100 -	456	691	134	369
UN42259	Rsa1.0.03843.1	697	20496	1.00E-160	300	304	98 +	3	303	8132	8435
UN42260	Rsa1.0.00644.1	716	136881	1.00E-120	278	296	93 +	424	716	31393	31685
UN42261	Rsa1.0.00417.1	1068	395068	0	929	973	95 -	96	1068	386678	387638
UN42262	Rsa1.0.01469.1	307	45139	2.00E-49	132	140	94 -	112	249	19815	19954
UN42263	Rsa1.0.00410.1	1030	86957	0	493	504	97 -	286	789	31827	32330
UN42264	Rsa1.0.01270.1	667	49574	0	428	445	96 -	224	667	27613	28056
UN42265	Rsa1.0.00351.1	625	413096	0	399	399	100 -	2	400	3047	3445
UN42266	Rsa1.0.00285.1	759	149638	0	755	758	99 +	3	759	71331	72088
UN42267	Rsa1.0.00637.1	510	71038	1.00E-162	289	289	100 +	1	289	3878	4166
UN42268	Rsa1.0.00076.1	719	146021	0	534	538	99 +	182	719	32873	33409
UN42269	Rsa1.0.00706.1	1185	291570	1.00E-160	294	295	99 -	1	294	28795	29089
UN42270	Rsa1.0.00376.1	653	90101	1.00E-168	359	377	95 +	216	589	49639	50013
UN42271	Rsa1.0.00067.1	973	415055	0	344	344	100 -	630	973	38331	38674
UN42272	Rsa1.0.00782.1	614	64468	1.00E-152	272	272	100 -	343	614	11901	12172
UN42273	Rsa1.0.00683.1	581	68638	1.00E-156	417	462	90 +	49	498	24142	24597
UN42274	Rsa1.0.01219.1	1016	50527	0	675	698	96 +	321	1016	39455	40152

UN42275	Rsa1.0.02340.1	977	32388	0	441	444	99 -	534	977	28158	28601
UN42276	Rsa1.0.00416.1	377	86772	1.00E-108	204	206	99 -	172	377	76205	76410
UN42277	Rsa1.0.00026.1	636	327835	1.00E-121	328	356	92 -	6	355	174424	174773
UN42278	Rsa1.0.02454.1	422	31263	0	420	421	99 -	2	422	8774	9194
UN42279	Rsa1.0.00082.1	639	237584	0	481	498	96 +	3	500	68502	68996
UN42280	Rsa1.0.00894.1	575	269700	1.00E-79	163	167	97 +	25	191	128191	128357
UN42281	Rsa1.0.10947.1	654	5668	0	653	654	99 +	1	654	882	1535
UN42282	Rsa1.0.00500.1	510	272308	1.00E-164	358	379	94 -	1	362	102394	102771
UN42283	Rsa1.0.03769.1	722	20955	1.00E-135	247	248	99 -	473	720	7459	7706
UN42284	Rsa1.0.00088.1	936	141341	1.00E-178	322	324	99 -	613	936	5585	5908
UN42285	Rsa1.0.02340.1	443	32388	0	438	440	99 -	2	441	27335	27774
UN42286	Rsa1.0.00271.1	669	101125	1.00E-100	227	240	94 +	402	641	80400	80637
UN42287	Rsa1.0.02280.1	485	33063	0	454	474	95 +	2	463	23762	24235
UN42288	Rsa1.0.01917.1	736	37303	0	381	386	98 +	351	736	6743	7128
UN42289	Rsa1.0.00211.1	1050	228189	1.00E-166	404	440	91 -	345	771	144872	145299
UN42290	#	#	#	#	#	#	#	#	#	#	#
UN42291	Rsa1.0.03521.1	500	396204	0	476	494	96 +	2	492	7413	7903
UN42292	Rsa1.0.04584.1	912	16756	1.00E-101	223	236	94 +	3	238	9580	9807
UN42293	Rsa1.0.24059.1	784	1009	1.00E-174	345	350	98 -	439	783	317	666
UN42294	Rsa1.0.05398.1	906	13885	0	871	908	95 -	2	906	9268	10162
UN42295	Rsa1.0.02039.1	512	35699	4.00E-82	248	271	91 +	1	266	940	1204
UN42296	Rsa1.0.00918.1	703	59720	1.00E-114	212	213	99 +	14	226	2461	2673
UN42297	Rsa1.0.03664.1	608	21487	1.00E-114	255	272	93 +	337	608	7897	8158
UN42298	Rsa1.0.02387.1	685	31890	0	418	436	95 +	252	679	17300	17735
UN42299	Rsa1.0.08339.1	657	7509	0	581	583	99 -	1	583	2535	3117
UN42300	Rsa1.0.01679.1	811	146876	0	796	831	95 -	2	810	145889	146716
UN42301	Rsa1.0.01004.1	754	56975	0	596	643	92 +	2	632	25820	26462
UN42302	Rsa1.0.03709.1	716	21247	0	714	716	99 -	2	716	9170	9885
UN42303	Rsa1.0.19147.1	950	1473	0	446	451	98 +	3	453	1023	1473
UN42304	Rsa1.0.00439.1	730	142776	0	482	504	95 +	224	722	118059	118559
UN42305	Rsa1.0.00040.1	795	324196	0	793	793	100 -	3	795	166078	166870
UN42306	Rsa1.0.00370.1	845	90472	0	486	500	97 -	346	845	4797	5296
UN42307	Rsa1.0.01435.1	782	45942	0	540	581	92 +	215	782	41020	41595
UN42308	Rsa1.0.01765.1	1103	39640	0	747	757	98 -	3	759	14483	15238
UN42309	Rsa1.0.00875.1	1436	61371	0	435	441	98 -	998	1436	58193	58631
UN42310	Rsa1.0.01081.1	524	499226	1.00E-124	243	248	97 -	3	248	456701	456948
UN42311	Rsa1.0.00016.1	277	831256	5.00E-34	198	235	84 +	48	277	648298	648525
UN42312	Rsa1.0.07361.1	706	9514	0	702	704	99 +	3	706	8763	9466
UN42313	Rsa1.0.00552.1	1205	206757	1.00E-163	294	295	99 -	911	1205	20656	20950

UN42314	Rsa1.0_03506.1	506	22416	0	444	459	96 -	52	503	21884	22340
UN42315	Rsa1.0_00163.1	926	116847	0	827	833	99 -	6	838	51378	52210
UN42316	Rsa1.0_06543.1	959	10805	0	948	959	98 -	2	959	2794	3748
UN42317	Rsa1.0_04520.1	429	16995	2.00E-96	225	237	94 -	3	234	11580	11816
UN42318	Rsa1.0_01199.1	805	163576	1.00E-162	362	386	93 -	56	441	154725	155110
UN42319	Rsa1.0_03890.1	660	20223	1.00E-165	345	361	95 -	34	381	8045	8405
UN42320	Rsa1.0_00736.1	696	66455	1.00E-104	254	273	93 -	410	681	7379	7651
UN42321	Rsa1.0_00247.1	1195	103408	0	595	602	98 -	594	1195	20088	20689
UN42322	Rsa1.0_00017.1	628	752458	1.00E-14	98	114	85 +	242	354	204805	204917
UN42323	Rsa1.0_05252.1	735	14366	0	398	402	99 +	334	733	9956	10357
UN42324	Rsa1.0_01282.1	1051	49304	1.00E-100	289	314	92 +	1	301	28022	28331
UN42325	Rsa1.0_00505.1	1144	79323	1.00E-151	292	299	97 -	845	1143	4231	4529
UN42326	Rsa1.0_00817.1	659	62961	0	635	665	95 -	1	657	26935	27589
UN42327	Rsa1.0_25951.1	625	912	1.00E-174	398	424	93 +	208	624	77	497
UN42328	Rsa1.0_00843.1	568	62411	0	548	568	96 +	2	568	44252	44807
UN42329	Rsa1.0_06454.1	701	10987	2.00E-97	190	193	98 +	190	382	6403	6595
UN42330	Rsa1.0_00604.1	781	146282	8.00E-97	225	240	93 -	3	242	113696	113935
UN42331	Rsa1.0_00457.1	417	337301	1.00E-120	255	265	96 -	130	394	198553	198814
UN42332	Rsa1.0_00277.1	1197	100132	1.00E-118	295	319	92 -	878	1195	76637	76948
UN42333	Rsa1.0_17910.1	1255	1712	0	588	589	99 -	209	797	1	589
UN42334	Rsa1.0_19550.1	561	1416	0	554	564	98 -	3	561	195	758
UN42335	Rsa1.0_02937.1	475	26605	1.00E-173	329	334	98 -	143	475	6890	7221
UN42336	Rsa1.0_00097.1	836	138858	4.00E-59	129	133	96 +	542	674	136170	136302
UN42337	Rsa1.0_03943.1	1010	19931	0	982	1024	95 +	1	1010	11559	12577
UN42338	Rsa1.0_03238.1	645	24432	0	589	631	93 +	21	645	3534	4149
UN42339	Rsa1.0_01742.1	511	39962	1.00E-111	210	212	99 -	297	508	25941	26152
UN42340	Rsa1.0_02157.1	765	149652	4.00E-83	183	191	95 -	235	425	143968	144155
UN42341	Rsa1.0_00241.1	810	104000	1.00E-104	212	218	97 -	554	768	65599	65816
UN42342	Rsa1.0_00044.1	742	271658	1.00E-135	278	287	96 +	6	290	185776	186061
UN42343	Rsa1.0_02191.1	803	34078	0	787	805	97 +	2	803	17367	18170
UN42344	Rsa1.0_03130.1	694	25145	1.00E-100	186	186	100 +	509	694	2282	2467
UN42345	Rsa1.0_00001.1	917	363028	1.00E-180	341	348	97 -	3	350	315688	316035
UN42346	Rsa1.0_02061.1	724	35487	0	507	513	98 -	213	724	7942	8452
UN42347	Rsa1.0_00626.1	717	71582	0	652	692	94 +	4	691	51818	52495
UN42348	Rsa1.0_00071.1	750	345714	1.00E-128	258	264	97 +	489	750	51617	51880
UN42349	Rsa1.0_03242.1	842	24415	0	434	444	97 -	403	841	1632	2074
UN42350	Rsa1.0_00682.1	728	68680	0	652	725	89 -	24	721	15642	16361
UN42351	Rsa1.0_00196.1	1143	109960	0	365	378	96 +	766	1143	37671	38043
UN42352	Rsa1.0_00442.1	771	84596	0	765	769	99 -	3	771	26023	26791

UN42353	Rsa1.0_15301.1	724	2703	0	431	458	94 +	25	480	779	1224
UN42354	Rsa1.0_23752.1	923	1027	1.00E-105	223	232	96 -	692	923	80	308
UN42355	Rsa1.0_00008.1	600	358124	0	477	504	94 +	110	600	142909	143412
UN42356	Rsa1.0_01679.1	2300	146876	0	1811	1885	96 +	1	1875	145003	146876
UN42357	Rsa1.0_02941.1	672	26583	1.00E-178	382	401	95 -	3	400	20945	21342
UN42358	Rsa1.0_03064.1	916	25657	0	839	900	93 +	2	900	24482	25380
UN42359	Rsa1.0_24495.1	801	985	1.00E-138	285	297	95 +	252	548	469	765
UN42360	Rsa1.0_01164.1	878	51934	0	851	876	97 -	2	876	36838	37708
UN42361	Rsa1.0_00205.1	820	193401	1.00E-117	254	264	96 +	553	812	92527	92789
UN42362	Rsa1.0_00111.1	708	390088	1.00E-153	343	362	94 -	336	692	383652	384005
UN42363	Rsa1.0_01412.1	705	46311	5.00E-64	252	293	86 +	65	356	11288	11580
UN42364	Rsa1.0_00413.1	821	86921	0	781	827	94 +	1	820	48084	48889
UN42365	Rsa1.0_00094.1	522	139042	1.00E-161	438	482	90 -	55	521	60601	61075
UN42366	Rsa1.0_01119.1	634	53459	1.00E-113	236	243	97 -	381	622	11683	11924
UN42367	Rsa1.0_00146.1	768	149343	1.00E-103	220	230	95 -	439	668	87293	87522
UN42368	Rsa1.0_00637.1	855	71038	0	497	506	98 -	303	807	3278	3783
UN42369	Rsa1.0_00388.1	975	88890	0	496	506	98 +	1	503	55134	55638
UN42370	Rsa1.0_05418.1	1194	13816	1.00E-134	246	247	99 -	2	248	5567	5813
UN42371	Rsa1.0_19162.1	774	1471	1.00E-165	460	516	89 -	248	762	191	680
UN42372	Rsa1.0_00005.1	474	353093	1.00E-105	239	254	94 +	140	393	342416	342669
UN42373	Rsa1.0_00127.1	862	127446	0	593	685	86 -	71	740	4118	4757
UN42374	Rsa1.0_00409.1	672	146788	0	378	387	97 +	3	387	130226	130612
UN42375	Rsa1.0_02197.1	694	33996	1.00E-95	213	224	95 +	374	597	1833	2053
UN42376	Rsa1.0_14210.1	1032	3660	1.00E-142	297	310	95 +	174	480	924	1233
UN42377	Rsa1.0_00644.1	520	136881	1.00E-136	300	316	94 +	4	312	51038	51352
UN42378	Rsa1.0_34801.1	561	650	0	516	575	89 -	1	560	71	625
UN42379	Rsa1.0_00092.1	704	659932	7.00E-88	180	185	97 -	2	186	633664	633848
UN42380	Rsa1.0_01954.1	894	145554	1.00E-165	511	571	89 -	236	800	13902	14464
UN42381	Rsa1.0_00683.1	526	68638	1.00E-180	462	506	91 +	29	526	7723	8227
UN42382	Rsa1.0_01662.1	897	41382	1.00E-150	293	301	97 +	121	421	12123	12423
UN42383	Rsa1.0_01466.1	633	45161	0	579	603	96 -	21	622	38758	39353
UN42384	Rsa1.0_30991.1	976	739	1.00E-126	229	229	100 -	3	231	1	229
UN42385	Rsa1.0_01095.1	613	54276	1.00E-88	202	214	94 -	114	327	34795	35008
UN42386	Rsa1.0_01801.1	780	39094	1.00E-104	212	219	96 -	313	525	20432	20650
UN42387	Rsa1.0_00832.1	871	62622	1.00E-179	355	366	96 +	502	867	33766	34130
UN42388	Rsa1.0_00065.1	973	454616	0	488	510	95 +	379	886	231646	232151
UN42389	Rsa1.0_06842.1	901	10285	0	901	901	100 +	1	901	3874	4774
UN42390	Rsa1.0_02784.1	785	27881	3.00E-78	175	183	95 -	148	330	24460	24639
UN42391	Rsa1.0_03736.1	863	21081	0	382	384	99 -	479	862	9886	10269

UN42392	Rsa1.0.01141.1	546	52530	1.00E-135	308	325	94 -	225	543	39276	39599
UN42393	Rsa1.0.04493.1	911	17137	0	874	913	95 -	2	911	14984	15885
UN42394	Rsa1.0.00964.1	729	316648	1.00E-126	245	250	98 -	269	518	162522	162771
UN42395	Rsa1.0.00910.1	581	59975	0	392	413	94 +	65	474	30391	30803
UN42396	Rsa1.0.09314.1	564	6461	0	541	566	95 +	1	562	4709	5263
UN42397	Rsa1.0.00017.1	741	752458	0	600	684	87 -	52	717	353266	353927
UN42398	Rsa1.0.00347.1	512	93048	1.00E-167	453	498	90 +	22	512	65456	65930
UN42399	Rsa1.0.01838.1	1306	38500	1.00E-170	367	389	94 +	930	1304	17537	17921
UN42400	Rsa1.0.00198.1	1070	222963	0	921	1021	90 +	86	1069	133941	134951
UN42401	Rsa1.0.00184.1	761	218748	1.00E-159	410	446	91 +	52	485	214590	215035
UN42402	Rsa1.0.01674.1	1048	168300	1.00E-137	266	272	97 -	4	275	147439	147710
UN42403	Rsa1.0.00911.1	857	59943	0	409	418	97 +	2	417	13355	13772
UN42404	Rsa1.0.01368.1	822	47129	1.00E-115	242	250	96 -	4	250	3486	3735
UN42405	Rsa1.0.00340.1	855	305782	0	594	594	100 -	1	594	29254	29847
UN42406	Rsa1.0.00650.1	864	70235	0	658	680	96 -	186	864	14287	14962
UN42407	Rsa1.0.13433.1	615	4832	1.00E-166	297	297	100 +	319	615	2625	2921
UN42408	Rsa1.0.04244.1	819	18314	0	512	517	99 -	267	783	3087	3603
UN42409	Rsa1.0.00675.1	462	145590	1.00E-133	380	426	89 +	40	461	28828	29224
UN42410	Rsa1.0.00603.1	671	73299	0	453	467	97 +	206	671	32629	33094
UN42411	Rsa1.0.01236.1	787	50156	2.00E-72	139	139	100 -	3	141	41803	41941
UN42412	Rsa1.0.11551.1	610	5472	0	589	625	94 +	3	610	591	1214
UN42413	Rsa1.0.04785.1	500	15993	1.00E-167	300	301	99 -	200	500	7196	7496
UN42414	Rsa1.0.00056.1	1161	332604	0	1114	1165	95 +	3	1161	73652	74816
UN42415	Rsa1.0.00730.1	667	66673	1.00E-107	222	229	96 -	440	667	28375	28603
UN42416	Rsa1.0.04511.1	911	17032	1.00E-108	229	238	96 +	677	911	4974	5211
UN42417	Rsa1.0.01059.1	425	55410	1.00E-137	283	293	96 -	134	424	10086	10375
UN42418	Rsa1.0.00111.1	982	390088	1.00E-162	409	443	92 +	564	980	56041	56482
UN42419	Rsa1.0.00201.1	717	232851	1.00E-140	268	272	98 -	447	717	19108	19379
UN42420	Rsa1.0.02505.1	937	30703	1.00E-163	297	299	99 -	638	936	10018	10316
UN42421	Rsa1.0.00420.1	796	86496	1.00E-149	268	268	100 +	1	268	9195	9462
UN42422	Rsa1.0.00920.1	780	601703	1.00E-151	326	344	94 +	434	777	449831	450169
UN42423	Rsa1.0.00193.1	1261	194198	1.00E-117	283	302	93 +	968	1261	102524	102824
UN42424	Rsa1.0.01271.1	952	49569	0	893	951	93 +	2	942	27624	28559
UN42425	Rsa1.0.09063.1	743	6675	1.00E-171	381	405	94 -	352	741	1774	2178
UN42426	Rsa1.0.01563.1	799	170823	1.00E-162	323	334	96 -	2	331	23547	23880
UN42427	Rsa1.0.01974.1	934	36583	1.00E-144	350	386	90 +	292	677	12535	12893
UN42428	Rsa1.0.00136.1	706	122464	3.00E-90	218	232	93 -	1	232	82615	82843
UN42429	Rsa1.0.00089.1	775	406142	1.00E-172	330	338	97 +	2	339	161999	162336
UN42430	Rsa1.0.04085.1	838	19168	1.00E-165	458	516	88 -	32	520	755	1267

UN42431	Rsa1.0.02310.1	717	32735	0	677	730	92 -	3	717	29673	30387
UN42432	Rsa1.0.04905.1	763	15507	0	378	401	94 -	62	442	5642	6042
UN42433	Rsa1.0.00451.1	962	322533	0	577	583	98 +	384	962	244823	245405
UN42434	Rsa1.0.23144.1	795	1068	1.00E-131	294	312	94 +	336	647	758	1067
UN42435	Rsa1.0.00509.1	679	78829	1.00E-155	302	309	97 -	371	679	6477	6784
UN42436	Rsa1.0.02396.1	890	31783	1.00E-137	257	260	98 +	631	890	27105	27364
UN42437	Rsa1.0.00044.1	337	271658	3.00E-73	155	159	97 -	53	209	14325	14483
UN42438	Rsa1.0.00601.1	1236	177045	0	1029	1086	94 -	178	1236	26180	27249
UN42439	Rsa1.0.03535.1	832	22242	3.00E-87	275	309	88 -	527	832	7516	7811
UN42440	Rsa1.0.05897.1	666	12302	1.00E-159	564	656	85 -	10	664	4612	5267
UN42441	Rsa1.0.04352.1	858	17779	0	819	870	94 +	2	858	11805	12666
UN42442	Rsa1.0.00978.1	703	57739	1.00E-157	313	322	97 +	383	703	42690	43011
UN42443	Rsa1.0.04426.1	698	17399	1.00E-92	203	213	95 -	8	220	14213	14425
UN42444	Rsa1.0.00722.1	847	66840	1.00E-158	307	315	97 -	336	650	41419	41733
UN42445	Rsa1.0.00011.1	1024	225044	1.00E-104	364	425	85 -	3	394	215935	216356
UN42446	Rsa1.0.00347.1	888	93048	1.00E-135	287	301	95 +	322	622	68684	68984
UN42447	Rsa1.0.03074.1	960	25568	0	442	450	98 +	512	960	11031	11480
UN42448	Rsa1.0.00707.1	408	190112	2.00E-87	220	234	94 -	174	406	67065	67293
UN42449	Rsa1.0.00484.1	676	203294	0	531	569	93 -	132	676	156564	157128
UN42450	Rsa1.0.01198.1	315	51029	1.00E-114	284	308	92 -	2	304	25785	26085
UN42451	Rsa1.0.00100.1	666	249232	0	594	634	93 -	53	666	181505	182130
UN42452	Rsa1.0.00016.1	1187	831256	1.00E-151	307	318	96 +	673	988	429113	429430
UN42453	Rsa1.0.01563.1	716	170823	1.00E-170	345	358	96 -	28	383	23547	23904
UN42454	Rsa1.0.01536.1	712	43747	0	383	391	97 -	322	712	23533	23923
UN42455	Rsa1.0.01806.1	966	39021	0	399	407	98 -	561	966	21761	22163
UN42456	Rsa1.0.00652.1	990	70089	1.00E-106	228	238	95 -	740	977	22798	23032
UN42457	Rsa1.0.00642.1	985	201230	1.00E-123	268	282	95 -	227	505	163117	163398
UN42458	Rsa1.0.00133.1	466	123768	5.00E-63	143	149	95 -	133	281	52532	52677
UN42459	Rsa1.0.00384.1	643	89278	0	620	664	93 -	4	643	79099	79757
UN42460	Rsa1.0.04404.1	892	17510	0	723	745	97 +	148	892	9475	10217
UN42461	Rsa1.0.00016.1	722	831256	0	698	730	95 +	12	722	505370	506098
UN42462	Rsa1.0.02737.1	684	28325	1.00E-95	232	246	94 +	6	247	6926	7167
UN42463	Rsa1.0.01126.1	843	53127	0	484	525	92 +	330	843	7555	8062
UN42464	Rsa1.0.00147.1	814	249503	1.00E-137	269	276	97 +	543	814	130918	131193
UN42465	Rsa1.0.00047.1	545	168582	1.00E-167	356	380	93 +	181	542	43362	43741
UN42466	Rsa1.0.01591.1	607	42718	0	451	472	95 +	49	520	14788	15258
UN42467	Rsa1.0.01666.1	654	173972	7.00E-66	143	148	96 -	216	363	25290	25437
UN42468	Rsa1.0.00772.1	700	64856	1.00E-128	299	317	94 -	386	700	52791	53096
UN42469	Rsa1.0.07342.1	435	9530	1.00E-143	272	277	98 -	102	378	8256	8532

UN42470	Rsa1.0.01335.1	284	47894	1.00E-90	218	234	93 +	38	263	2434	2666
UN42471	Rsa1.0.01035.1	891	56019	1.00E-174	421	449	93 +	458	891	47064	47509
UN42472	Rsa1.0.00544.1	668	76787	1.00E-67	140	143	97 +	362	504	445	587
UN42473	Rsa1.0.02125.1	1106	34775	1.00E-159	291	293	99 -	490	782	1907	2199
UN42474	Rsa1.0.11743.1	767	5421	1.00E-100	236	248	95 +	268	512	4530	4775
UN42475	Rsa1.0.00260.1	576	102021	2.33E-156	320	339	94 -	5	343	27047	27385
UN42476	Rsa1.0.02101.1	995	35017	0	399	412	96 +	84	495	28859	29270
UN42477	Rsa1.0.00419.1	954	86562	0	403	411	98 -	527	936	15435	15844
UN42478	Rsa1.0.00067.1	1141	415055	0	1090	1147	95 -	1	1141	227656	228800
UN42479	#	#	#	#	#	#	#	#	#	#	#
UN42480	Rsa1.0.00140.1	1143	121541	1.00E-112	238	246	96 -	900	1143	117152	117397
UN42481	Rsa1.0.00456.1	770	82826	0	514	542	94 +	225	752	18300	18841
UN42482	Rsa1.0.03686.1	866	21387	1.00E-150	300	307	97 -	564	865	9035	9340
UN42483	Rsa1.0.00082.1	783	237584	0	647	715	90 -	91	783	68494	69198
UN42484	Rsa1.0.00316.1	966	96264	0	353	359	98 +	3	361	53780	54138
UN42485	Rsa1.0.00423.1	271	86138	4.00E-84	221	236	93 -	35	270	10887	11115
UN42486	Rsa1.0.00395.1	715	214466	0	692	710	97 +	4	713	33351	34060
UN42487	Rsa1.0.00944.1	1012	58733	0	961	996	96 +	19	1012	32277	33262
UN42488	Rsa1.0.00081.1	639	143261	0	370	377	98 +	263	639	123845	124221
UN42489	Rsa1.0.01004.1	836	56975	0	519	572	90 -	294	836	16944	17510
UN42490	Rsa1.0.00131.1	662	432233	1.00E-175	345	356	96 -	49	404	196713	197068
UN42491	Rsa1.0.01397.1	631	183276	9.00E-87	166	167	99 +	70	236	171639	171805
UN42492	Rsa1.0.00078.1	342	175053	4.00E-75	193	210	91 -	2	211	78928	79131
UN42493	Rsa1.0.10947.1	587	5668	0	458	481	95 +	103	580	933	1409
UN42494	Rsa1.0.01447.1	583	45654	1.00E-119	298	319	93 -	266	581	4534	4838
UN42495	Rsa1.0.01936.1	497	37151	0	486	496	97 -	4	497	18303	18798
UN42496	Rsa1.0.01380.1	622	155003	0	550	563	97 +	64	622	18401	18963
UN42497	Rsa1.0.00066.1	996	152418	0	579	604	95 +	3	604	20871	21465
UN42498	Rsa1.0.02754.1	481	28213	1.00E-138	337	363	92 -	126	478	8655	9017
UN42499	Rsa1.0.01600.1	745	42537	1.00E-120	337	376	89 +	359	728	11045	11406
UN42500	Rsa1.0.00001.1	740	363028	1.00E-135	308	329	93 +	221	540	323550	323878
UN42501	Rsa1.0.00029.1	571	272992	1.00E-149	439	492	89 -	105	571	249679	250167
UN42502	Rsa1.0.01005.1	664	56967	1.00E-156	320	333	96 +	332	664	39743	40072
UN42503	Rsa1.0.00017.1	1664	752458	0	668	720	92 +	952	1664	352440	353138
UN42504	Rsa1.0.00060.1	1025	502678	0	671	737	91 -	306	1025	128114	128836
UN42505	Rsa1.0.00824.1	957	188447	0	454	469	96 +	70	538	154496	154963
UN42506	Rsa1.0.01860.1	865	38057	0	823	869	94 -	2	865	21671	22524
UN42507	Rsa1.0.00467.1	590	156542	1.00E-115	247	259	95 +	46	304	91014	91272
UN42508	Rsa1.0.00223.1	1217	106231	0	996	1048	95 +	4	1039	41507	42541

UN42509	Rsa1.0.00437.1	748	84879	3.00E-81	181	190	95 +	104	293	44758	44947
UN42510	Rsa1.0.11893.1	805	5379	0	398	412	96 +	394	805	3964	4373
UN42511	Rsa1.0.00323.1	544	159650	1.00E-107	236	248	95 +	239	486	56193	56437
UN42512	Rsa1.0.05418.1	849	13816	0	768	874	87 -	23	849	1554	2418
UN42513	Rsa1.0.00055.1	615	520193	3.00E-65	351	437	80 +	218	615	180014	180430
UN42514	Rsa1.0.00279.1	1096	100039	0	981	1009	97 -	1	1006	21542	22545
UN42515	Rsa1.0.08919.1	554	6788	0	439	458	95 +	2	459	484	937
UN42516	Rsa1.0.01154.1	676	52249	0	380	385	98 -	294	676	34280	34664
UN42517	Rsa1.0.47220.1	560	479	1.00E-136	264	269	98 +	3	269	108	376
UN42518	Rsa1.0.01453.1	818	45449	0	715	741	96 +	76	816	28437	29174
UN42519	Rsa1.0.00038.1	986	314568	0	692	707	97 +	289	986	209873	210579
UN42520	Rsa1.0.00934.1	656	193516	3.00E-68	156	163	95 +	8	168	34535	34697
UN42521	Rsa1.0.02493.1	622	30854	1.00E-134	275	285	96 +	129	410	6059	6339
UN42522	Rsa1.0.02077.1	784	35328	0	443	444	99 -	2	445	21211	21654
UN42523	Rsa1.0.00301.1	623	365315	1.00E-161	332	344	96 +	273	616	215181	215522
UN42524	Rsa1.0.02711.1	764	28475	1.00E-121	242	249	97 +	1	249	4007	4255
UN42525	Rsa1.0.01691.1	865	40921	2.33E-156	275	279	98 -	289	567	5609	5887
UN42526	Rsa1.0.02216.1	471	33816	1.00E-124	272	286	95 -	1	281	30306	30591
UN42527	Rsa1.0.00592.1	833	73788	1.00E-83	367	432	84 -	7	429	21332	21756
UN42528	Rsa1.0.00155.1	778	118465	0	418	421	99 -	358	778	31397	31817
UN42529	Rsa1.0.03552.1	1096	22151	0	444	449	98 -	565	1013	12029	12475
UN42530	Rsa1.0.00093.1	676	214962	0	411	421	97 -	260	674	11392	11812
UN42531	Rsa1.0.00157.1	824	245832	3.00E-44	98	100	98 -	419	518	136230	136329
UN42532	Rsa1.0.00078.1	394	175053	1.00E-119	241	249	96 +	146	394	34786	35034
UN42533	Rsa1.0.00124.1	502	262503	1.00E-102	203	208	97 -	63	270	17063	17270
UN42534	Rsa1.0.01774.1	798	39528	1.00E-163	334	346	96 +	3	347	22988	23331
UN42535	Rsa1.0.03890.1	613	20223	0	350	357	98 -	5	361	8045	8401
UN42536	Rsa1.0.13610.1	963	4644	1.00E-153	290	295	98 +	386	680	2827	3121
UN42537	Rsa1.0.00001.1	814	363028	0	508	517	98 -	298	813	287292	287808
UN42538	Rsa1.0.16845.1	855	2015	3.00E-78	192	206	93 +	649	853	517	714
UN42539	Rsa1.0.00634.1	716	71222	0	367	371	98 +	342	712	57160	57530
UN42540	Rsa1.0.04095.1	654	19095	0	387	391	98 -	264	654	6581	6971
UN42541	Rsa1.0.00215.1	865	201775	1.00E-121	325	356	91 +	512	865	2172	2510
UN42542	Rsa1.0.33152.1	878	685	4.00E-99	187	188	99 -	126	313	13	200
UN42543	Rsa1.0.01498.1	520	44558	0	367	368	99 -	153	520	35691	36058
UN42544	Rsa1.0.00247.1	694	103408	1.00E-156	372	401	92 -	5	391	66969	67368
UN42545	Rsa1.0.00198.1	825	222963	0	794	830	95 -	3	824	108596	109416
UN42546	Rsa1.0.16482.1	1127	2141	0	688	763	90 +	1	763	247	1009
UN42547	Rsa1.0.00237.1	628	235974	0	479	494	96 -	133	626	41582	42075

UN42548	Rsa1.0.01914.1	802	37354	1.00E-114	222	225	98 -	578	802	9497	9720
UN42549	Rsa1.0.23101.1	788	1071	3.00E-93	174	174	100 -	186	359	674	847
UN42550	Rsa1.0.39826.1	889	564	2.00E-57	145	153	94 +	6	155	393	545
UN42551	Rsa1.0.00100.1	574	249232	0	467	492	94 +	1	488	221757	222245
UN42552	Rsa1.0.05467.1	457	13649	1.00E-112	272	289	94 +	173	451	11542	11830
UN42553	Rsa1.0.00139.1	595	357786	1.00E-169	405	439	92 -	171	595	16935	17368
UN42554	Rsa1.0.00979.1	798	57733	1.00E-74	198	215	92 -	406	620	1177	1390
UN42555	Rsa1.0.00008.1	1082	358124	0	579	601	96 -	491	1081	89991	90591
UN42556	Rsa1.0.01437.1	695	45887	0	631	682	92 +	1	676	36829	37480
UN42557	Rsa1.0.00251.1	608	303968	1.00E-144	287	295	97 +	316	608	82182	82476
UN42558	Rsa1.0.13774.1	666	4351	2.00E-84	171	175	97 -	235	409	1424	1598
UN42559	Rsa1.0.01580.1	1148	42852	1.00E-118	226	229	98 -	920	1148	35815	36043
UN42560	Rsa1.0.00863.1	945	254535	2.00E-67	233	262	88 -	692	945	110397	110656
UN42561	Rsa1.0.27229.1	865	861	0	441	441	100 +	1	441	87	527
UN42562	Rsa1.0.00959.1	721	58202	0	700	712	98 +	1	712	23114	23823
UN42563	Rsa1.0.03865.1	784	20373	1.00E-114	225	230	97 -	204	433	15975	16204
UN42564	Rsa1.0.00129.1	768	126831	1.00E-129	289	303	95 -	458	758	113583	113884
UN42565	Rsa1.0.28048.1	738	830	0	666	697	95 -	42	738	134	830
UN42566	Rsa1.0.02814.1	314	27656	1.00E-22	88	99	88 -	208	306	17631	17729
UN42567	Rsa1.0.00050.1	604	237174	1.00E-79	263	301	87 -	329	603	133683	133982
UN42568	Rsa1.0.00115.1	603	131321	0	417	437	95 +	170	603	34041	34473
UN42569	Rsa1.0.00472.1	583	398134	1.00E-110	241	253	95 +	91	340	166312	166564
UN42570	Rsa1.0.02600.1	1045	29657	0	482	497	96 +	548	1044	16402	16897
UN42571	Rsa1.0.00095.1	706	283384	0	706	706	100 +	1	706	86736	87441
UN42572	Rsa1.0.00449.1	944	83863	0	929	934	99 -	11	944	55527	56460
UN42573	Rsa1.0.08193.1	1119	7758	1.00E-145	339	364	93 +	126	487	7064	7427
UN42574	Rsa1.0.00660.1	893	69688	1.00E-169	324	331	97 -	560	887	62359	62689
UN42575	Rsa1.0.03940.1	812	19962	1.00E-128	232	232	100 -	129	360	4058	4289
UN42576	Rsa1.0.00040.1	976	324196	0	614	640	95 +	4	636	296581	297216
UN42577	Rsa1.0.00071.1	714	345714	4.00E-80	166	170	97 -	304	470	22243	22412
UN42578	Rsa1.0.00347.1	338	93048	1.00E-177	315	315	100 -	24	338	12596	12910
UN42579	Rsa1.0.02915.1	873	26813	1.00E-136	362	398	90 +	326	717	1434	1825
UN42580	Rsa1.0.02852.1	994	27287	0	953	1004	94 -	1	994	693	1681
UN42581	Rsa1.0.00069.1	955	403561	0	635	638	99 -	1	638	387083	387720
UN42582	Rsa1.0.05641.1	728	13077	0	688	728	94 +	6	728	7252	7958
UN42583	Rsa1.0.05279.1	753	14277	0	423	423	100 -	3	425	3897	4319
UN42584	Rsa1.0.08729.1	836	6994	8.00E-85	160	160	100 +	252	411	1720	1879
UN42585	Rsa1.0.01544.1	1283	185602	0	1258	1293	97 -	11	1281	20648	21939
UN42586	Rsa1.0.01077.1	1061	54772	0	447	447	100 -	54	500	25418	25864

UN42587	Rsa1.0.00127.1	855	127446	0	703	733	95 -	123	855	125378	126110
UN42588	Rsa1.0.07647.1	853	8942	0	814	833	97 -	1	833	280	1098
UN42589	Rsa1.0.00899.1	1241	60404	0	496	496	100 -	626	1121	56656	57151
UN42590	Rsa1.0.00979.1	1281	57733	1.00E-69	324	383	84 -	879	1259	1014	1390
UN42591	Rsa1.0.00544.1	201	76787	9.00E-35	75	75	100 +	127	201	23418	23492
UN42592	Rsa1.0.06842.1	916	10285	0	332	332	100 -	474	805	8044	8375
UN42593	Rsa1.0.00055.1	742	520193	0	521	552	94 +	6	556	383405	383953
UN42594	Rsa1.0.00655.1	880	195840	0	870	883	98 -	1	880	141606	142485
UN42595	Rsa1.0.00067.1	1339	415055	0	540	545	99 -	797	1339	363940	364484
UN42596	Rsa1.0.04980.1	988	15251	0	424	424	100 +	565	988	6458	6881
UN42597	Rsa1.0.01112.1	870	310601	0	617	617	100 +	1	617	44309	44925
UN42598	Rsa1.0.01072.1	1068	55068	0	566	571	99 +	491	1061	5418	5988
UN42599	Rsa1.0.00380.1	641	89748	0	540	544	99 +	1	543	22250	22793
UN42600	Rsa1.0.00610.1	845	72740	0	374	380	98 -	466	845	62386	62763
UN42601	Rsa1.0.02976.1	536	26315	1.00E-114	215	217	99 -	2	218	18887	19103
UN42602	Rsa1.0.00889.1	909	60978	0	908	908	100 +	2	909	43279	44186
UN42603	Rsa1.0.00073.1	779	240924	0	442	454	97 -	86	539	208060	208512
UN42604	Rsa1.0.00656.1	904	69968	0	896	897	99 +	8	904	43686	44582
UN42605	Rsa1.0.01081.1	848	499226	1.00E-118	257	270	95 -	581	847	16552	16821
UN42606	Rsa1.0.00497.1	1158	79830	0	1103	1119	98 -	41	1158	2745	3855
UN42607	Rsa1.0.00179.1	857	393324	0	851	857	99 -	1	857	5986	6841
UN42608	Rsa1.0.00284.1	609	323267	0	473	474	99 -	1	474	273139	273612
UN42609	Rsa1.0.04890.1	1165	15591	1.00E-114	233	241	96 +	695	935	10910	11150
UN42610	Rsa1.0.00071.1	629	345714	1.00E-138	250	250	100 +	380	629	22598	22847
UN42611	Rsa1.0.03529.1	909	22277	6.00E-52	408	509	80 -	230	738	15991	16499
UN42612	Rsa1.0.00635.1	706	175826	1.00E-100	186	186	100 -	103	288	15994	16179
UN42613	Rsa1.0.00118.1	825	130637	0	489	489	100 +	5	493	42575	43063
UN42614	Rsa1.0.00152.1	837	257730	0	705	706	99 -	132	837	76102	76807
UN42615	Rsa1.0.00008.1	884	358124	0	491	508	96 +	5	512	136570	137076
UN42616	Rsa1.0.00979.1	1267	57733	4.00E-72	325	383	84 +	6	386	1014	1390
UN42617	Rsa1.0.03605.1	584	21827	0	584	593	98 +	1	584	11287	11879
UN42618	Rsa1.0.00713.1	206	158017	1.00E-52	115	117	98 +	1	116	150455	150571
UN42619	Rsa1.0.01362.1	848	47217	0	847	849	99 -	1	848	20230	21077
UN42620	Rsa1.0.00019.1	767	301669	0	765	765	100 -	1	765	237111	237875
UN42621	Rsa1.0.07943.1	828	8207	1.00E-138	258	260	99 -	58	317	7526	7783
UN42622	Rsa1.0.00184.1	1051	218748	1.00E-154	277	277	100 +	1	277	49084	49360
UN42623	Rsa1.0.01908.1	659	37427	0	627	655	95 -	1	655	35768	36419
UN42624	Rsa1.0.07391.1	909	9477	0	883	883	100 +	1	883	6449	7331
UN42625	Rsa1.0.28906.1	967	799	0	630	651	96 +	317	967	1	650

UN42626	Rsa1.0.00034.1	1026	260119	0	976	987	98 +	1	987	3585	4571
UN42627	Rsa1.0.00005.1	843	353093	0	469	469	100 +	375	843	129667	130135
UN42628	Rsa1.0.00655.1	810	195840	0	512	546	93 -	60	604	144521	145066
UN42629	Rsa1.0_00182.1	808	142305	0	581	581	100 +	228	808	35883	36463
UN42630	#	#	#	#	#	#	#	#	#	#	#
UN42631	#	#	#	#	#	#	#	#	#	#	#
UN42632	Rsa1.0.03378.1	879	23322	0	787	810	97 +	2	809	22522	23322
UN42633	Rsa1.0.00507.1	824	79074	0	364	374	97 -	364	737	43278	43648
UN42634	Rsa1.0.16310.1	817	2205	0	490	491	99 -	327	817	1276	1766
UN42635	Rsa1.0.03067.1	1104	25651	0	546	565	96 -	538	1102	15405	15968
UN42636	Rsa1.0.00720.1	845	66931	0	621	621	100 +	103	723	49514	50134
UN42637	Rsa1.0.01026.1	865	171624	0	865	865	100 +	1	865	155537	156401
UN42638	Rsa1.0.01033.1	807	56173	0	790	791	99 -	3	793	49115	49904
UN42639	Rsa1.0.00977.1	889	198001	1.00E-163	306	311	98 +	1	311	30120	30430
UN42640	Rsa1.0.02514.1	878	30642	0	798	798	100 -	81	878	9748	10545
UN42641	Rsa1.0.00131.1	773	432233	1.00E-110	254	271	93 -	503	773	104966	105236
UN42642	Rsa1.0.10487.1	881	5830	0	881	881	100 +	1	881	4547	5427
UN42643	Rsa1.0.00175.1	886	166121	0	648	649	99 -	238	886	64811	65458
UN42644	Rsa1.0.01432.1	640	45977	0	637	638	99 +	3	640	34724	35360
UN42645	Rsa1.0.02810.1	873	27671	1.00E-160	287	287	100 +	224	510	17019	17305
UN42646	Rsa1.0.00812.1	2000	63233	0	1937	2005	96 +	1	2000	33412	35406
UN42647	Rsa1.0.20157.1	642	1333	0	600	602	99 -	1	602	470	1071
UN42648	Rsa1.0.00630.1	781	71281	1.00E-125	231	232	99 +	225	456	1507	1738
UN42649	Rsa1.0.12866.1	728	5093	0	726	728	99 +	1	728	1102	1829
UN42650	Rsa1.0.01112.1	867	310601	0	384	386	99 -	236	621	298239	298624
UN42651	Rsa1.0.00654.1	901	70012	1.00E-177	315	315	100 -	267	581	31309	31623
UN42652	Rsa1.0.02413.1	826	31628	0	697	697	100 -	14	710	7802	8498
UN42653	Rsa1.0.00343.1	869	93570	0	750	750	100 +	1	750	14187	14936
UN42654	Rsa1.0.02774.1	673	28038	3.00E-90	169	169	100 -	222	390	17004	17172
UN42655	Rsa1.0.04849.1	1040	15726	0	485	510	95 +	432	939	4584	5087
UN42656	Rsa1.0.20111.1	806	1340	0	348	348	100 -	249	596	1	348
UN42657	Rsa1.0.00501.1	845	79545	0	688	689	99 -	158	845	41804	42492
UN42658	Rsa1.0.00213.1	528	108167	2.00E-72	154	159	96 -	369	527	39065	39223
UN42659	Rsa1.0.01806.1	830	39021	5.00E-92	292	333	87 -	521	830	30777	31104
UN42660	Rsa1.0.01249.1	890	188432	0	342	342	100 +	549	890	43045	43386
UN42661	Rsa1.0.00288.1	839	98659	0	759	786	96 +	48	833	39297	40079
UN42662	Rsa1.0.00853.1	1593	62101	0	1444	1456	99 -	138	1593	44411	45865
UN42663	Rsa1.0.00886.1	930	167350	0	917	936	97 +	1	930	12531	13466
UN42664	Rsa1.0.01202.1	372	158825	2.00E-15	76	87	87 -	283	369	50441	50527

UN42665	Rsa1.0.01149.1	997	160459	1.00E-127	232	232	100 -	294	525	131080	131311
UN42666	Rsa1.0.00521.1	798	78191	0	792	799	99 +	1	798	3378	4176
UN42667	Rsa1.0.06213.1	468	11478	1.00E-126	232	233	99 +	236	468	10894	11126
UN42668	Rsa1.0.03477.1	787	22635	0	402	423	95 +	369	785	5497	5916
UN42669	Rsa1.0.00017.1	1134	752458	0	1129	1133	99 +	1	1133	571549	572680
UN42670	Rsa1.0.00181.1	850	114269	0	847	854	99 +	1	850	77783	78636
UN42671	Rsa1.0.01009.1	695	56922	0	405	408	99 +	1	408	3115	3521
UN42672	Rsa1.0.00042.1	816	171507	0	816	816	100 -	1	816	85238	86053
UN42673	Rsa1.0.00051.1	874	258225	0	665	665	100 +	1	665	118257	118921
UN42674	Rsa1.0.00707.1	869	190112	0	378	378	100 -	1	378	179614	179991
UN42675	Rsa1.0.00087.1	876	761073	0	356	356	100 +	261	616	635680	636035
UN42676	Rsa1.0.01880.1	934	37745	4.00E-22	154	179	86 +	455	629	18793	18969
UN42677	Rsa1.0.03766.1	681	20970	0	518	521	99 +	161	681	13393	13912
UN42678	Rsa1.0.02348.1	507	32316	1.00E-143	257	257	100 -	251	507	26384	26640
UN42679	Rsa1.0.04033.1	598	19481	0	578	613	94 +	1	598	3731	4337
UN42680	Rsa1.0.02123.1	804	149053	0	802	802	100 -	3	804	3497	4298
UN42681	Rsa1.0.00418.1	700	215377	0	550	569	96 +	11	576	201857	202422
UN42682	Rsa1.0.02174.1	1219	34316	1.00E-153	275	275	100 +	945	1219	13678	13952
UN42683	Rsa1.0.00082.1	592	237584	0	492	492	100 +	1	492	68505	68996
UN42684	Rsa1.0.00883.1	842	61230	2.00E-97	181	181	100 +	159	339	52523	52703
UN42685	Rsa1.0.00892.1	797	60703	0	771	797	96 -	3	797	48115	48902
UN42686	Rsa1.0.00425.1	999	147080	0	665	669	99 -	322	990	125707	126375
UN42687	Rsa1.0.00187.1	620	393093	0	332	332	100 +	1	332	32810	33141
UN42688	Rsa1.0.01424.1	643	46139	0	453	454	99 +	190	643	42149	42602
UN42689	Rsa1.0.00483.1	1405	81102	0	668	668	100 +	1	668	76928	77595
UN42690	Rsa1.0.01601.1	868	42519	1.00E-107	218	225	96 -	4	228	19058	19282
UN42691	Rsa1.0.04919.1	522	15440	0	347	349	99 +	174	522	624	972
UN42692	Rsa1.0.00951.1	1139	164588	1.00E-171	315	317	99 -	1	316	124973	125289
UN42693	Rsa1.0.01901.1	821	37472	0	569	569	100 -	1	569	20156	20724
UN42694	Rsa1.0.02017.1	601	35999	1.00E-169	301	301	100 +	301	601	34477	34777
UN42695	Rsa1.0.00112.1	1052	132199	0	676	677	99 +	87	763	98872	99548
UN42696	Rsa1.0.00544.1	1060	76787	0	894	906	98 -	155	1060	8476	9371
UN42697	Rsa1.0.00948.1	573	58620	2.00E-97	196	201	97 +	126	326	50390	50590
UN42698	Rsa1.0.00813.1	800	63202	0	784	813	96 -	3	800	18508	19320
UN42699	Rsa1.0.08714.1	859	7010	0	363	370	98 +	1	369	1243	1610
UN42700	Rsa1.0.02446.1	649	31330	0	339	344	98 -	309	649	28228	28571
UN42701	Rsa1.0.00964.1	1143	316648	0	429	429	100 -	13	441	264071	264499
UN42702	Rsa1.0.12851.1	829	5098	0	433	433	100 +	397	829	1	433
UN42703	Rsa1.0.00496.1	1288	79834	0	419	428	97 -	642	1069	27282	27706

UN42704	Rsa1.0.00490.1	1164	186713	0	1159	1164	99 -	1	1163	52270	53432
UN42705	Rsa1.0.09308.1	640	6466	0	606	609	99 -	1	609	617	1225
UN42706	Rsa1.0.00414.1	824	202190	0	403	403	100 +	422	824	22123	22525
UN42707	Rsa1.0.02196.1	873	34005	0	790	791	99 +	62	852	6722	7512
UN42708	Rsa1.0.00098.1	842	349239	0	568	568	100 +	275	842	232786	233353
UN42709	Rsa1.0.00341.1	891	249309	0	543	559	97 +	333	891	117699	118257
UN42710	Rsa1.0.06032.1	644	11886	1.00E-152	278	280	99 -	361	640	7580	7859
UN42711	Rsa1.0.00146.1	852	149343	0	377	377	100 -	476	852	87146	87522
UN42712	Rsa1.0.00016.1	509	831256	0	508	511	99 -	1	509	267917	268427
UN42713	Rsa1.0.03890.1	788	20223	1.00E-138	362	397	91 -	376	751	11314	11709
UN42714	Rsa1.0.00343.1	617	93570	1.00E-145	279	285	97 +	81	365	74178	74462
UN42715	Rsa1.0.02110.1	1244	34919	0	1232	1235	99 +	9	1243	22291	23525
UN42716	Rsa1.0.15363.1	470	2655	1.00E-167	385	410	93 +	68	470	1072	1476
UN42717	Rsa1.0.00038.1	745	314568	6.00E-70	169	178	94 -	566	743	50122	50296
UN42718	Rsa1.0.00067.1	1308	415055	0	517	517	100 +	1	517	360522	361038
UN42719	Rsa1.0.01556.1	868	163858	0	868	868	100 +	1	868	18617	19484
UN42720	Rsa1.0.03447.1	571	22857	1.00E-113	230	236	97 -	337	571	21409	21644
UN42721	Rsa1.0.02898.1	681	26958	1.00E-165	306	310	98 +	372	681	24320	24629
UN42722	Rsa1.0.02299.1	679	32857	0	433	444	97 +	1	444	13706	14146
UN42723	Rsa1.0.38134.1	626	591	0	362	380	95 +	7	368	33	412
UN42724	Rsa1.0.00012.1	664	222148	0	341	341	100 +	1	341	123071	123411
UN42725	Rsa1.0.01435.1	899	45942	0	713	713	100 +	187	899	23424	24136
UN42726	Rsa1.0.00517.1	781	142790	1.00E-104	253	277	91 -	1	255	69988	70264
UN42727	Rsa1.0.00030.1	843	250988	0	842	843	99 -	1	843	117217	118059
UN42728	Rsa1.0.00207.1	829	248736	1.00E-143	261	262	99 +	511	772	244784	245045
UN42729	Rsa1.0.01719.1	824	40388	0	533	534	99 -	243	775	15318	15851
UN42730	Rsa1.0.10862.1	1141	5698	8.00E-24	151	182	82 +	275	456	533	714
UN42731	Rsa1.0.14728.1	435	3118	0	432	432	100 +	4	435	778	1209
UN42732	Rsa1.0.01104.1	527	285480	1.00E-148	269	270	99 -	1	270	3157	3426
UN42733	Rsa1.0.00712.1	703	67217	0	534	557	95 -	1	555	5202	5749
UN42734	Rsa1.0.00601.1	928	177045	0	581	582	99 -	173	754	26668	27249
UN42735	Rsa1.0.00706.1	746	291570	0	746	747	99 +	1	746	179229	179975
UN42736	Rsa1.0.01296.1	894	49035	0	890	894	99 +	1	894	26072	26965
UN42737	Rsa1.0.03410.1	1033	23147	1.00E-159	325	338	96 +	696	1033	7836	8169
UN42738	Rsa1.0.04600.1	551	16694	0	468	469	99 +	81	549	11338	11806
UN42739	Rsa1.0.16566.1	813	2110	0	572	572	100 +	1	572	401	972
UN42740	Rsa1.0.00450.1	516	139397	0	516	516	100 +	1	516	40945	41460
UN42741	Rsa1.0.00105.1	897	134138	0	407	408	99 -	213	620	5657	6064
UN42742	Rsa1.0.01731.1	869	40208	0	814	814	100 +	56	869	9310	10123

UN42743	Rsa1.0.00190.1	917	318240	0	454	472	96 +	34	500	314315	314786
UN42744	Rsa1.0.00529.1	402	77487	3.00E-95	177	177	100 -	226	402	25117	25293
UN42745	Rsa1.0.02378.1	946	31991	0	936	938	99 -	3	940	1223	2160
UN42746	Rsa1.0.02239.1	746	33534	0	720	743	96 -	3	742	5953	6692
UN42747	Rsa1.0.00341.1	733	249309	1.00E-106	242	259	93 +	28	277	5025	5283
UN42748	Rsa1.0.00067.1	666	415055	1.00E-118	290	313	92 -	368	666	142357	142664
UN42749	Rsa1.0.26477.1	660	890	1.00E-129	238	239	99 +	422	660	1	239
UN42750	Rsa1.0.01355.1	729	47303	0	555	585	94 +	7	588	39409	39993
UN42751	Rsa1.0.02060.1	785	35528	0	774	784	98 -	3	785	4043	4826
UN42752	Rsa1.0.00170.1	1052	179538	0	695	723	96 +	336	1052	74805	75527
UN42753	Rsa1.0.00397.1	1131	88189	1.00E-130	236	236	100 +	3	238	53853	54088
UN42754	Rsa1.0.01425.1	811	46136	0	363	364	99 -	446	809	42279	42642
UN42755	Rsa1.0.00183.1	828	113277	0	494	495	99 -	333	827	5023	5517
UN42756	Rsa1.0.02570.1	1021	30000	0	985	1021	96 -	3	1018	5545	6556
UN42757	Rsa1.0.02648.1	607	29073	1.00E-98	295	336	87 +	282	601	28376	28696
UN42758	Rsa1.0.00497.1	904	79830	0	407	414	98 +	496	904	67322	67735
UN42759	Rsa1.0.00045.1	996	328694	0	776	780	99 +	217	996	231988	232767
UN42760	Rsa1.0.00152.1	532	257730	6.00E-69	237	269	88 -	259	524	77855	78119
UN42761	Rsa1.0.02185.1	639	34150	1.00E-121	269	282	95 -	360	636	4009	4290
UN42762	Rsa1.0.00030.1	759	250988	1.00E-121	250	259	96 +	3	258	150138	150396
UN42763	Rsa1.0.00469.1	1098	82084	0	605	605	100 -	494	1098	71357	71961
UN42764	Rsa1.0.09048.1	707	6683	0	647	662	97 +	44	704	5245	5903
UN42765	Rsa1.0.01086.1	796	54509	0	790	796	99 -	1	796	36444	37233
UN42766	Rsa1.0.01299.1	929	162028	0	555	594	93 -	351	929	157994	158576
UN42767	Rsa1.0.02420.1	705	31580	1.00E-143	285	293	97 +	1	292	7437	7729
UN42768	Rsa1.0.00831.1	711	62673	0	402	426	94 -	286	711	2947	3353
UN42769	Rsa1.0.00286.1	494	98709	8.00E-93	247	266	92 +	228	489	11606	11867
UN42770	Rsa1.0.06403.1	873	11078	1.00E-158	320	332	96 -	549	871	5649	5980
UN42771	Rsa1.0.00623.1	1227	207630	1.00E-129	258	266	96 +	310	575	137515	137780
UN42772	Rsa1.0.01958.1	533	261128	2.00E-96	286	318	89 +	199	510	110198	110502
UN42773	Rsa1.0.02319.1	761	32580	5.00E-98	188	190	98 -	572	761	28456	28645
UN42774	Rsa1.0.00489.1	731	80434	1.00E-119	240	246	97 -	1	245	48244	48489
UN42775	Rsa1.0.01613.1	278	182542	1.00E-155	277	277	100 +	1	277	6572	6848
UN42776	Rsa1.0.00689.1	910	68305	0	368	381	96 +	3	382	23499	23878
UN42777	Rsa1.0.02045.1	1223	35650	0	728	730	99 +	1	730	34118	34847
UN42778	Rsa1.0.02234.1	770	33618	1.00E-145	375	415	90 -	266	679	4145	4534
UN42779	Rsa1.0.03566.1	508	22050	0	485	508	95 -	2	508	15945	16452
UN42780	Rsa1.0.03338.1	837	136346	0	507	537	94 +	295	818	4543	5077
UN42781	Rsa1.0.00029.1	969	272992	0	580	582	99 +	3	584	260698	261279

UN42782	Rsa1.0.02392.1	1082	152517	1.00E-165	330	338	97 -	744	1079	25808	26143
UN42783	Rsa1.0.00878.1	644	330303	0	512	525	97 -	126	641	148379	148903
UN42784	Rsa1.0.06113.1	660	11721	0	515	543	94 +	2	544	11178	11720
UN42785	Rsa1.0.00156.1	307	118383	1.00E-158	299	304	98 +	2	305	60191	60491
UN42786	Rsa1.0.05494.1	1013	13547	1.00E-129	247	251	98 +	150	400	3338	3588
UN42787	Rsa1.0.14748.1	759	3105	1.00E-147	277	281	98 +	307	587	1110	1390
UN42788	Rsa1.0.03713.1	700	21221	0	328	328	100 -	373	700	10577	10904
UN42789	Rsa1.0.05169.1	872	14620	1.00E-135	247	248	99 +	625	872	7103	7350
UN42790	Rsa1.0.00114.1	880	131330	0	876	878	99 +	2	879	82723	83600
UN42791	Rsa1.0.01570.1	1089	43015	2.00E-64	126	126	100 -	431	556	12707	12832
UN42792	Rsa1.0.00214.1	1025	107508	0	400	412	97 +	607	1018	103190	103600
UN42793	Rsa1.0.11602.1	830	5461	1.00E-122	272	289	94 +	14	302	4023	4305
UN42794	Rsa1.0.00204.1	1298	109056	1.00E-130	242	244	99 -	150	393	95321	95564
UN42795	Rsa1.0.00081.1	649	143261	0	636	638	99 +	1	638	123489	124126
UN42796	Rsa1.0.06303.1	1372	11268	0	995	1062	93 -	1	1037	1741	2802
UN42797	Rsa1.0.03388.1	682	23277	3.00E-59	117	117	100 -	1	117	19371	19487
UN42798	Rsa1.0.00040.1	753	324196	4.00E-83	160	161	99 +	21	181	307977	308137
UN42799	Rsa1.0.00568.1	704	75219	1.00E-115	213	214	99 +	490	703	63689	63902
UN42800	Rsa1.0.00205.1	616	193401	1.00E-144	337	359	93 +	250	607	38432	38778
UN42801	Rsa1.0.05491.1	785	13554	0	367	369	99 -	63	431	9307	9675
UN42802	Rsa1.0.00978.1	679	57739	1.00E-173	323	328	98 +	132	459	42272	42599
UN42803	Rsa1.0.00019.1	556	301669	0	475	488	97 -	70	556	286200	286681
UN42804	Rsa1.0.02672.1	835	28884	0	830	833	99 +	3	835	10738	11570
UN42805	Rsa1.0.00059.1	737	159650	0	552	603	91 +	152	736	134007	134602
UN42806	Rsa1.0.04025.1	677	19511	0	671	676	99 -	2	677	2110	2785
UN42807	Rsa1.0.00478.1	991	81419	0	502	503	99 +	489	991	68044	68546
UN42808	Rsa1.0.03869.1	666	20365	0	453	457	99 -	6	462	4022	4478
UN42809	Rsa1.0.32803.1	673	693	0	412	425	96 -	246	670	272	693
UN42810	Rsa1.0.01061.1	748	55349	0	422	429	98 +	31	458	18730	19158
UN42811	Rsa1.0.01275.1	487	49405	1.00E-133	256	261	98 -	226	486	8119	8379
UN42812	Rsa1.0.00020.1	874	283099	1.00E-122	237	242	97 -	3	244	171755	171996
UN42813	Rsa1.0.00553.1	681	75983	6.00E-85	163	164	99 +	259	422	68316	68479
UN42814	Rsa1.0.00092.1	644	659932	1.00E-79	222	243	91 -	3	244	56364	56600
UN42815	Rsa1.0.00512.1	763	200277	0	647	722	89 +	32	752	32153	32874
UN42816	Rsa1.0.02295.1	620	149884	1.00E-155	308	318	96 +	5	322	118839	119156
UN42817	Rsa1.0.01124.1	558	53295	1.00E-172	371	389	95 -	173	558	50472	50858
UN42818	Rsa1.0.08888.1	1190	6824	1.00E-178	332	336	98 +	856	1190	1286	1621
UN42819	Rsa1.0.00701.1	764	67691	2.00E-72	187	204	91 +	7	210	21350	21540
UN42820	Rsa1.0.05076.1	1067	14916	0	781	882	88 +	128	995	584	1431

UN42821	Rsa1.0.00218.1	659	201480	1.00E-106	268	293	91 -	164	455	170910	171190
UN42822	Rsa1.0.00058.1	389	159921	1.00E-143	264	266	99 +	124	389	136723	136988
UN42823	Rsa1.0.03475.1	714	22653	7.00E-48	151	166	90 -	3	161	22098	22263
UN42824	Rsa1.0.04218.1	564	18423	0	429	438	97 -	133	564	15843	16280
UN42825	Rsa1.0.01221.1	742	50421	1.00E-159	366	391	93 -	356	736	10801	11188
UN42826	Rsa1.0.00301.1	465	365315	1.00E-100	237	253	93 -	2	248	69917	70169
UN42827	Rsa1.0.01600.1	728	42537	1.00E-140	290	304	95 +	3	297	10057	10360
UN42828	Rsa1.0.00552.1	740	206757	1.00E-154	327	343	95 -	402	739	68050	68390
UN42829	Rsa1.0.00278.1	644	231896	0	445	480	92 -	148	621	21557	22018
UN42830	Rsa1.0.19461.1	688	1428	1.00E-138	264	268	98 +	421	688	1	266
UN42831	Rsa1.0.01613.1	635	182542	1.00E-180	320	320	100 +	226	545	6684	7003
UN42832	Rsa1.0.02231.1	980	33661	0	369	372	99 -	4	375	22003	22374
UN42833	Rsa1.0.00048.1	900	167185	0	491	543	90 -	366	898	146194	146716
UN42834	Rsa1.0.03783.1	668	20890	1.00E-175	336	342	98 +	3	341	19472	19812
UN42835	Rsa1.0.00437.1	992	84879	0	973	1005	96 -	1	992	36993	37991
UN42836	Rsa1.0.03289.1	768	24011	0	754	765	98 +	3	765	19403	20164
UN42837	Rsa1.0.02534.1	1003	30396	1.00E-140	256	257	99 -	3	259	5455	5711
UN42838	Rsa1.0.01318.1	697	48275	1.00E-117	240	247	97 +	451	697	4086	4331
UN42839	Rsa1.0.00110.1	708	132719	0	648	683	94 -	5	687	6835	7500
UN42840	Rsa1.0.00027.1	545	283362	5.00E-91	224	243	92 -	305	539	48302	48544
UN42841	Rsa1.0.01300.1	695	48942	1.00E-144	296	307	96 +	385	691	30918	31222
UN42842	Rsa1.0.00782.1	933	64468	0	536	576	93 -	2	564	37791	38360
UN42843	Rsa1.0.02896.1	816	26970	0	350	361	96 +	346	696	16798	17158
UN42844	Rsa1.0.05884.1	718	12337	1.00E-151	307	319	96 +	3	321	7057	7375
UN42845	Rsa1.0.02224.1	567	33758	0	353	353	100 -	1	353	12220	12572
UN42846	Rsa1.0.04229.1	633	18389	1.00E-100	298	333	89 -	304	633	16359	16671
UN42847	Rsa1.0.00935.1	312	59079	8.00E-95	229	242	94 +	69	310	23754	23989
UN42848	Rsa1.0.00211.1	785	228189	1.00E-160	287	287	100 +	400	686	213634	213920
UN42849	Rsa1.0.00144.1	792	120708	1.00E-171	308	309	99 -	484	792	85667	85975
UN42850	Rsa1.0.00512.1	685	200277	1.00E-162	576	672	85 -	10	673	32831	33483
UN42851	Rsa1.0.03873.1	435	20360	0	399	402	99 -	34	435	9556	9957
UN42852	Rsa1.0.01439.1	113	45841	9.00E-46	108	113	95 -	1	113	28436	28548
UN42853	Rsa1.0.01769.1	1119	39568	1.00E-118	216	216	100 +	902	1117	9241	9456
UN42854	Rsa1.0.01425.1	1280	46136	0	484	488	99 -	464	951	43088	43575
UN42855	Rsa1.0.00137.1	988	122457	1.00E-142	319	340	93 +	556	895	41739	42078
UN42856	Rsa1.0.03605.1	665	21827	1.00E-122	232	235	98 -	268	502	17911	18145
UN42857	Rsa1.0.00646.1	791	70473	1.00E-49	110	113	97 -	678	790	8834	8946
UN42858	Rsa1.0.00645.1	739	189716	0	738	739	99 +	1	739	23583	24321
UN42859	Rsa1.0.02946.1	545	26537	1.00E-101	188	188	100 +	185	372	26012	26199

UN42860	Rsa1.0.00012.1	892	222148	0	336	339	99 +	3	341	206533	206871
UN42861	Rsa1.0.00006.1	605	396176	0	576	600	96 +	12	605	261373	261972
UN42862	Rsa1.0.00152.1	672	257730	3.00E-65	298	355	83 -	254	607	77794	78119
UN42863	Rsa1.0.00315.1	701	96426	1.00E-115	226	231	97 -	262	492	3001	3231
UN42864	Rsa1.0.04325.1	745	17885	0	570	624	91 +	11	621	9692	10297
UN42865	Rsa1.0.00016.1	513	831256	1.00E-161	484	540	89 -	3	513	267929	268461
UN42866	Rsa1.0.01970.1	664	36648	0	643	661	97 -	4	664	2829	3485
UN42867	Rsa1.0.00347.1	502	93048	0	472	498	94 -	3	500	66867	67353
UN42868	Rsa1.0.00157.1	506	245832	0	435	467	93 +	36	500	239149	239601
UN42869	Rsa1.0.00087.1	894	761073	0	524	542	96 -	189	730	357392	357933
UN42870	Rsa1.0.06190.1	970	11525	0	443	452	98 +	5	456	8942	9389
UN42871	Rsa1.0.02681.1	845	28711	0	752	756	99 +	1	755	12430	13185
UN42872	Rsa1.0.00755.1	789	192559	0	756	800	94 -	3	788	150560	151358
UN42873	Rsa1.0.01666.1	888	173972	0	338	338	100 +	550	887	158050	158387
UN42874	Rsa1.0.02564.1	809	30047	0	798	824	96 -	2	809	8957	9779
UN42875	Rsa1.0.00270.1	755	101236	7.00E-82	155	155	100 +	201	355	23891	24045
UN42876	Rsa1.0.00028.1	861	293984	0	439	463	94 +	402	859	276975	277432
UN42877	Rsa1.0.01006.1	870	163670	1.00E-172	306	306	100 -	3	308	25073	25378
UN42878	Rsa1.0.01026.1	1038	171624	0	1003	1050	95 +	3	1036	3016	4047
UN42879	Rsa1.0.02083.1	753	35216	0	375	386	97 +	367	752	400	782
UN42880	Rsa1.0.21673.1	756	1183	3.00E-56	426	519	82 -	244	745	274	779
UN42881	Rsa1.0.00737.1	799	66432	0	347	348	99 +	312	658	1275	1622
UN42882	Rsa1.0.05819.1	996	12543	0	373	377	98 -	618	994	10932	11305
UN42883	Rsa1.0.02429.1	1012	31527	1.00E-163	291	291	100 -	526	816	29556	29846
UN42884	Rsa1.0.03671.1	747	21459	0	740	745	99 -	3	747	6197	6941
UN42885	Rsa1.0.00420.1	839	86496	0	790	820	96 +	1	815	39913	40730
UN42886	Rsa1.0.03471.1	557	22678	1.00E-109	226	234	96 -	168	398	14969	15202
UN42887	Rsa1.0.04051.1	1001	19375	0	336	339	99 -	662	999	11803	12141
UN42888	Rsa1.0.00842.1	739	62493	7.00E-54	111	112	99 +	370	481	53906	54017
UN42889	Rsa1.0.00493.1	809	80007	0	386	386	100 +	424	809	6139	6524
UN42890	Rsa1.0.26930.1	389	872	1.00E-170	308	310	99 +	79	388	251	560
UN42891	Rsa1.0.05354.1	942	14073	0	598	615	97 -	331	942	4740	5354
UN42892	Rsa1.0.03669.1	863	147114	0	424	427	99 +	437	863	17855	18281
UN42893	Rsa1.0.00190.1	1164	318240	1.00E-164	360	378	95 -	791	1164	134847	135221
UN42894	Rsa1.0.00068.1	689	151813	0	393	397	98 +	1	397	125039	125435
UN42895	Rsa1.0.00119.1	936	467509	1.00E-117	231	234	98 +	705	936	7580	7813
UN42896	Rsa1.0.02513.1	936	30643	0	580	602	96 -	3	596	29577	30178
UN42897	Rsa1.0.02280.1	603	33063	0	602	603	99 +	1	603	23776	24377
UN42898	Rsa1.0.02267.1	501	33194	0	462	489	94 -	4	477	11932	12416

UN42899	Rsa1.0.00047.1	707	168582	1.00E-122	244	251	97 +	218	468	32849	33099
UN42900	Rsa1.0.00336.1	590	445051	0	579	592	97 -	1	589	178524	179114
UN42901	Rsa1.0.00734.1	573	66508	1.00E-127	293	311	94 +	1	308	55171	55478
UN42902	Rsa1.0.01405.1	630	46445	0	399	417	95 +	109	522	7111	7515
UN42903	Rsa1.0.57812.1	574	396	2.00E-90	181	185	97 -	1	185	34	218
UN42904	Rsa1.0.00155.1	1065	118465	0	469	471	99 +	230	699	31347	31817
UN42905	Rsa1.0.03605.1	774	21827	0	699	736	94 -	42	772	17740	18471
UN42906	Rsa1.0.00409.1	856	146788	0	485	506	95 +	355	856	130747	131252
UN42907	Rsa1.0.01201.1	680	50856	0	574	611	93 -	1	604	39575	40171
UN42908	Rsa1.0.02168.1	1147	34367	0	417	422	98 -	726	1147	13400	13820
UN42909	Rsa1.0.00476.1	470	280966	1.00E-113	211	212	99 -	1	212	157895	158106
UN42910	Rsa1.0.00138.1	912	247040	0	525	534	98 -	378	911	3727	4257
UN42911	Rsa1.0.04097.1	1031	19090	0	660	668	98 -	360	1027	16088	16752
UN42912	Rsa1.0.00368.1	1314	90669	0	518	533	97 +	690	1219	84175	84707
UN42913	Rsa1.0.00213.1	974	108167	0	401	402	99 +	3	404	67496	67897
UN42914	Rsa1.0.01264.1	867	49697	0	715	719	99 -	140	855	19590	20308
UN42915	Rsa1.0.00642.1	566	201230	0	356	356	100 +	211	566	161709	162064
UN42916	Rsa1.0.02067.1	575	35451	1.00E-159	288	289	99 +	2	290	737	1025
UN42917	Rsa1.0.00034.1	436	260119	1.00E-157	401	437	91 +	2	421	28444	28879
UN42918	Rsa1.0.67368.1	558	340	6.00E-57	116	117	99 +	294	410	10	126
UN42919	Rsa1.0.05241.1	889	14405	0	472	489	96 +	405	889	918	1406
UN42920	Rsa1.0.32336.1	734	704	1.00E-120	280	298	93 -	449	734	367	663
UN42921	Rsa1.0.01895.1	1288	37512	0	912	933	97 +	190	1122	23772	24704
UN42922	Rsa1.0.00207.1	688	248736	2.00E-44	104	108	96 +	199	306	55089	55196
UN42923	Rsa1.0.00985.1	560	161950	0	326	327	99 -	3	329	32823	33149
UN42924	Rsa1.0.00011.1	788	225044	0	333	333	100 -	3	335	215934	216266
UN42925	Rsa1.0.00777.1	1085	191865	0	915	918	99 -	168	1085	128036	128953
UN42926	Rsa1.0.04169.1	1081	18712	1.00E-133	271	280	96 +	496	775	2082	2358
UN42927	Rsa1.0.02297.1	696	160804	1.00E-106	266	288	92 +	108	394	4854	5141
UN42928	Rsa1.0.00618.1	1201	72195	1.00E-154	321	333	96 +	868	1199	16030	16361
UN42929	Rsa1.0.07894.1	954	8347	1.00E-160	302	307	98 -	257	563	6736	7042
UN42930	Rsa1.0.00255.1	739	204967	0	478	485	98 +	253	737	45829	46313
UN42931	Rsa1.0.00580.1	645	74515	0	350	354	98 -	1	354	18780	19133
UN42932	Rsa1.0.04426.1	1150	17399	0	886	888	99 -	3	890	13522	14409
UN42933	Rsa1.0.01053.1	1013	55483	0	515	535	96 +	484	1013	46899	47432
UN42934	Rsa1.0.14001.1	752	3933	0	417	423	98 +	3	425	1388	1810
UN42935	Rsa1.0.03241.1	548	24423	2.00E-90	205	215	95 -	333	547	10248	10458
UN42936	Rsa1.0.01923.1	593	37233	6.00E-60	243	288	84 -	2	273	28069	28342
UN42937	Rsa1.0.00329.1	814	222544	1.00E-101	188	188	100 +	377	564	148408	148595

UN42938	Rsa1.0.01071.1	712	166914	1.00E-131	267	275	97 +	10	279	23965	24239
UN42939	Rsa1.0.03983.1	758	19715	0	740	756	97 +	3	758	14445	15195
UN42940	Rsa1.0.02945.1	690	26548	0	610	619	98 +	41	658	8782	9400
UN42941	Rsa1.0.00150.1	863	154416	0	501	514	97 -	3	515	60307	60816
UN42942	Rsa1.0.01340.1	1049	47805	1.00E-147	317	334	94 +	715	1048	41112	41442
UN42943	Rsa1.0.00063.1	937	156150	0	790	792	99 -	147	937	103658	104449
UN42944	Rsa1.0.06072.1	691	11811	1.00E-147	382	415	92 -	282	691	11278	11690
UN42945	Rsa1.0.40209.1	943	559	0	390	390	100 -	322	711	170	559
UN42946	Rsa1.0.00492.1	1287	80178	1.00E-126	235	237	99 +	11	247	899	1135
UN42947	Rsa1.0.01390.1	841	46695	1.00E-147	264	264	100 +	228	491	22456	22719
UN42948	Rsa1.0.01220.1	830	161775	1.00E-110	208	210	99 +	2	211	115926	116135
UN42949	Rsa1.0.00828.1	895	62744	6.00E-98	254	272	93 +	624	894	55356	55621
UN42950	Rsa1.0.02655.1	720	29027	1.00E-131	307	331	92 +	397	714	16785	17110
UN42951	Rsa1.0.00069.1	635	403561	0	372	381	97 -	255	633	353536	353914
UN42952	Rsa1.0.01591.1	488	42718	1.00E-158	289	291	99 -	198	488	8943	9233
UN42953	Rsa1.0.00628.1	529	214360	8.00E-93	246	268	91 +	263	529	203239	203494
UN42954	Rsa1.0.03297.1	759	23969	1.00E-159	304	310	98 +	443	752	3924	4230
UN42955	Rsa1.0.01468.1	1048	45146	1.00E-127	231	231	100 -	252	482	35150	35380
UN42956	Rsa1.0.00896.1	917	60509	0	684	709	96 +	209	915	51567	52267
UN42957	Rsa1.0.16547.1	586	2117	0	584	584	100 -	3	586	962	1545
UN42958	Rsa1.0.00793.1	730	64103	1.00E-158	289	291	99 +	439	729	61222	61512
UN42959	Rsa1.0.05605.1	813	13202	0	655	656	99 -	158	813	8388	9043
UN42960	Rsa1.0.05741.1	1071	12773	0	793	847	93 -	133	970	2995	3817
UN42961	Rsa1.0.00007.1	804	239325	1.00E-163	295	296	99 -	342	637	219265	219560
UN42962	Rsa1.0.00457.1	913	337301	0	489	493	99 +	424	913	304216	304708
UN42963	Rsa1.0.00141.1	1115	121494	0	386	389	99 +	520	908	3582	3970
UN42964	Rsa1.0.00111.1	695	390088	1.00E-122	223	223	100 +	149	371	320341	320563
UN42965	Rsa1.0.04123.1	467	18947	1.00E-129	234	234	100 +	3	236	14518	14751
UN42966	Rsa1.0.00039.1	528	296927	1.00E-112	205	205	100 +	324	528	20208	20412
UN42967	Rsa1.0.07969.1	905	8157	1.00E-114	220	222	99 -	3	224	5913	6133
UN42968	Rsa1.0.01025.1	994	56471	3.00E-35	356	433	82 +	459	884	7410	7832
UN42969	Rsa1.0.06368.1	763	11143	0	541	546	99 -	221	763	6431	6976
UN42970	Rsa1.0.00045.1	421	328694	1.00E-112	257	273	94 -	3	275	316898	317159
UN42971	Rsa1.0.02133.1	577	34726	0	446	454	98 +	3	452	33536	33989
UN42972	Rsa1.0.00389.1	706	88795	1.00E-141	254	254	100 -	453	706	40427	40680
UN42973	Rsa1.0.00019.1	513	301669	1.00E-112	230	238	96 +	280	513	116246	116483
UN42974	Rsa1.0.00094.1	628	139042	1.00E-118	341	381	89 +	244	602	92426	92804
UN42975	Rsa1.0.02984.1	1135	26263	0	1020	1056	96 -	80	1135	4578	5623
UN42976	Rsa1.0.05870.1	823	146055	1.00E-174	346	358	96 -	393	750	10705	11062

UN42977	Rsa1.0.00398.1	576	88007	0	416	424	98 +	154	576	63410	63833
UN42978	Rsa1.0.04266.1	786	18195	0	771	800	96 +	1	786	51	846
UN42979	Rsa1.0.06938.1	395	10140	2.00E-65	183	199	91 -	184	380	9781	9979
UN42980	Rsa1.0.00221.1	1161	106972	0	1147	1160	98 -	3	1161	17236	18395
UN42981	Rsa1.0.00056.1	866	332604	0	437	439	99 +	427	865	206060	206498
UN42982	Rsa1.0.00582.1	658	74333	0	653	658	99 +	1	658	31772	32429
UN42983	Rsa1.0.01591.1	883	42718	1.00E-106	254	268	94 +	243	508	15980	16245
UN42984	Rsa1.0.02105.1	856	156953	0	392	403	97 +	6	407	150764	151165
UN42985	Rsa1.0.00097.1	930	138858	2.00E-94	233	250	93 +	1	243	54525	54772
UN42986	Rsa1.0.32587.1	855	698	1.00E-120	259	270	95 -	3	269	115	384
UN42987	Rsa1.0.00867.1	734	61635	1.00E-120	257	268	95 -	3	265	45036	45303
UN42988	Rsa1.0.06021.1	486	11911	1.00E-116	307	338	90 -	152	486	4649	4976
UN42989	Rsa1.0.00651.1	507	247766	1.00E-105	222	231	96 +	152	382	81983	82210
UN42990	Rsa1.0.00817.1	766	62961	0	726	772	94 -	7	763	26941	27698
UN42991	Rsa1.0.01696.1	621	301850	0	426	437	97 +	184	620	286436	286865
UN42992	Rsa1.0.27096.1	773	866	1.00E-174	367	385	95 +	390	773	335	714
UN42993	Rsa1.0.00026.1	689	327835	1.00E-151	363	392	92 -	300	677	209434	209819
UN42994	Rsa1.0.02458.1	761	31197	1.00E-148	323	340	95 -	2	341	9247	9582
UN42995	Rsa1.0.00102.1	451	135497	1.00E-177	358	372	96 -	85	450	29146	29515
UN42996	Rsa1.0.00119.1	588	467509	1.00E-145	303	317	95 +	236	552	346154	346470
UN42997	Rsa1.0.00020.1	624	283099	0	382	387	98 +	229	613	278264	278650
UN42998	Rsa1.0.01234.1	720	50183	5.00E-98	225	238	94 -	2	239	11958	12194
UN42999	Rsa1.0.00629.1	848	71381	0	384	398	96 -	414	810	45791	46186
UN43000	Rsa1.0.01203.1	783	50848	1.00E-100	223	233	95 +	24	255	38701	38932
UN43001	Rsa1.0.00388.1	578	88890	1.00E-173	336	346	97 +	232	577	56286	56624
UN43002	Rsa1.0.04002.1	885	19608	0	570	583	97 -	304	885	4568	5148
UN43003	Rsa1.0.00480.1	697	81325	1.00E-149	317	332	95 +	3	333	30819	31150
UN43004	Rsa1.0.01126.1	704	53127	0	667	692	96 -	2	693	51583	52272
UN43005	Rsa1.0.00123.1	733	325650	0	559	627	89 +	1	601	246641	247264
UN43006	Rsa1.0.00519.1	895	197864	0	419	420	99 -	475	893	191661	192080
UN43007	Rsa1.0.00541.1	798	76863	0	755	796	94 -	2	796	11162	11938
UN43008	Rsa1.0.00139.1	1087	357786	1.00E-175	337	345	97 -	376	717	307381	307725
UN43009	Rsa1.0.02029.1	912	35857	0	523	544	96 +	376	912	26086	26629
UN43010	Rsa1.0.00247.1	788	103408	3.00E-81	163	166	98 +	201	366	74405	74570
UN43011	Rsa1.0.01955.1	762	36850	4.00E-68	172	184	93 +	278	455	13085	13268
UN43012	Rsa1.0.01441.1	613	45790	0	446	458	97 -	156	611	26335	26789
UN43013	Rsa1.0.02114.1	800	34873	0	409	430	95 -	377	800	3165	3592
UN43014	Rsa1.0.00168.1	766	115870	1.00E-134	274	283	96 -	484	766	53312	53593
UN43015	Rsa1.0.00179.1	704	393324	1.00E-166	378	403	93 +	295	696	63299	63689

UN43016	Rsa1.0_00243.1	712	103651	5.00E-92	247	268	92 +	397	654	23261	23525
UN43017	Rsa1.0_00170.1	1185	179538	0	636	658	96 -	533	1184	161548	162205
UN43018	Rsa1.0_25951.1	677	912	0	449	477	94 +	206	670	80	555
UN43019	Rsa1.0_18326.1	809	1620	0	403	424	95 +	3	423	274	697
UN43020	Rsa1.0_02310.1	595	32735	1.00E-132	276	288	95 +	308	595	12079	12362
UN43021	Rsa1.0_00027.1	658	283362	1.00E-129	259	267	97 +	10	276	135324	135590
UN43022	Rsa1.0_02841.1	1290	27383	6.00E-99	217	227	95 +	1066	1290	8321	8547
UN43023	Rsa1.0_02383.1	622	31931	0	527	570	92 -	70	622	22596	23164
UN43024	Rsa1.0_20599.1	805	1288	2.00E-17	179	220	81 -	551	764	361	580
UN43025	Rsa1.0_01435.1	590	45942	1.00E-131	270	280	96 +	3	282	24559	24835
UN43026	Rsa1.0_02299.1	720	32857	0	429	441	97 -	281	720	13707	14146
UN43027	Rsa1.0_00190.1	712	318240	0	389	401	97 +	313	712	191430	191830
UN43028	Rsa1.0_00009.1	728	232558	1.00E-139	263	267	98 -	118	384	132659	132925
UN43029	Rsa1.0_36118.1	634	625	1.00E-144	271	275	98 +	6	280	22	296
UN43030	Rsa1.0_01035.1	511	56019	1.00E-109	276	296	93 +	222	506	47064	47355
UN43031	Rsa1.0_04415.1	875	147889	1.00E-161	312	320	97 -	3	322	144332	144651
UN43032	Rsa1.0_00917.1	865	182012	1.00E-141	274	279	98 -	585	863	181130	181407
UN43033	Rsa1.0_00842.1	417	62493	4.00E-51	127	135	94 -	115	249	39447	39581
UN43034	Rsa1.0_06968.1	707	10090	1.00E-180	366	381	96 -	1	377	8762	9142
UN43035	Rsa1.0_00112.1	1008	132199	0	688	758	90 +	257	1000	55783	56507
UN43036	Rsa1.0_03605.1	688	21827	1.00E-179	386	406	95 -	274	677	17740	18145
UN43037	Rsa1.0_01595.1	566	175383	1.00E-133	309	331	93 -	236	566	41014	41331
UN43038	Rsa1.0_11811.1	541	5401	5.00E-91	179	182	98 +	50	231	2094	2275
UN43039	Rsa1.0_00113.1	661	131574	1.00E-156	307	316	97 +	3	318	73138	73453
UN43040	#	#	#	#	#	#	#	#	#	#	#
UN43041	Rsa1.0_01976.1	607	36570	1.00E-132	325	350	92 +	247	593	1119	1461
UN43042	Rsa1.0_01373.1	1087	47052	1.00E-154	311	321	96 +	755	1074	2996	3316
UN43043	Rsa1.0_00342.1	632	93695	6.00E-48	98	98	100 +	255	352	32012	32109
UN43044	Rsa1.0_00037.1	677	307838	1.00E-134	286	301	95 -	3	291	150842	151142
UN43045	Rsa1.0_00480.1	701	81325	7.00E-94	261	286	91 +	274	552	1280	1563
UN43046	Rsa1.0_03155.1	1083	24958	0	449	457	98 -	628	1082	9973	10426
UN43047	Rsa1.0_00718.1	634	279335	3.00E-93	183	186	98 -	225	410	6364	6549
UN43048	Rsa1.0_00580.1	761	74515	1.00E-143	303	316	95 -	432	744	33934	34249
UN43049	Rsa1.0_01893.1	742	37520	1.00E-109	210	213	98 -	488	700	6363	6575
UN43050	Rsa1.0_07481.1	1016	9280	1.00E-153	307	318	96 -	463	780	4144	4461
UN43051	Rsa1.0_00486.1	496	80875	1.00E-109	235	245	95 +	15	257	34922	35163
UN43052	Rsa1.0_00015.1	715	561803	1.00E-142	366	405	90 +	123	520	483122	483516
UN43053	Rsa1.0_00066.1	659	152418	0	568	591	96 +	60	646	63404	63994
UN43054	Rsa1.0_07858.1	857	8411	2.00E-27	73	76	96 -	782	857	5057	5132

UN43055	Rsa1.0_00603.1	802	73299	0	771	802	96 -	5	802	58534	59327
UN43056	Rsa1.0_00034.1	703	260119	0	617	650	94 -	71	703	32922	33569
UN43057	Rsa1.0_05050.1	783	15022	1.00E-112	249	262	95 -	3	263	6127	6388
UN43058	Rsa1.0_00204.1	718	109056	1.00E-162	438	480	91 +	246	718	17526	17994
UN43059	Rsa1.0_00645.1	461	189716	1.00E-94	185	188	98 -	16	203	35226	35413
UN43060	Rsa1.0_00016.1	573	831256	1.00E-118	336	374	89 +	187	559	767229	767580
UN43061	Rsa1.0_02421.1	928	31579	0	337	340	99 +	589	928	13101	13440
UN43062	Rsa1.0_00132.1	682	124299	1.00E-166	348	363	95 +	329	682	46280	46642
UN43063	Rsa1.0_01157.1	740	52121	1.00E-112	292	319	91 -	431	736	42521	42837
UN43064	Rsa1.0_00058.1	671	159921	1.00E-83	187	196	95 +	365	560	89801	89993
UN43065	Rsa1.0_00017.1	626	752458	2.00E-78	184	193	95 +	402	594	661547	661737
UN43066	Rsa1.0_01260.1	677	49750	1.00E-114	276	297	92 +	382	677	47322	47618
UN43067	Rsa1.0_63101.1	591	364	4.00E-58	152	161	94 -	392	549	17	175
UN43068	Rsa1.0_00446.1	707	167829	1.00E-169	336	346	97 +	284	629	129961	130305
UN43069	Rsa1.0_00056.1	616	332604	0	353	362	97 +	258	616	1868	2229
UN43070	Rsa1.0_00931.1	741	59210	0	639	748	85 +	3	739	48532	49218
UN43071	Rsa1.0_01360.1	835	47246	1.00E-123	266	280	95 +	509	788	37242	37521
UN43072	Rsa1.0_00473.1	882	212204	0	496	518	95 +	367	882	8150	8667
UN43073	Rsa1.0_00434.1	587	85171	0	583	588	99 -	3	587	27751	28338
UN43074	Rsa1.0_03709.1	830	21247	1.00E-159	336	352	95 -	470	821	18550	18900
UN43075	Rsa1.0_00033.1	850	515811	0	821	851	96 +	1	850	476071	476909
UN43076	Rsa1.0_00896.1	822	60509	0	793	825	96 -	3	822	13385	14206
UN43077	Rsa1.0_01872.1	704	37908	9.00E-72	138	138	100 +	426	563	9035	9172
UN43078	Rsa1.0_00022.1	911	200461	0	447	456	98 -	104	559	180877	181332
UN43079	Rsa1.0_00779.1	551	64568	0	500	526	95 +	36	551	47624	48147
UN43080	Rsa1.0_00376.1	919	90101	1.00E-119	239	246	97 -	441	686	6655	6900
UN43081	Rsa1.0_00833.1	855	62621	5.00E-89	184	187	98 -	671	855	5235	5421
UN43082	Rsa1.0_02671.1	707	28887	1.00E-117	229	234	97 -	232	465	13185	13418
UN43083	Rsa1.0_00144.1	680	120708	1.00E-175	367	384	95 +	287	670	86553	86935
UN43084	Rsa1.0_11429.1	458	5511	0	354	356	99 +	102	457	4740	5095
UN43085	Rsa1.0_06168.1	741	11580	1.00E-106	292	321	90 +	429	740	8617	8926
UN43086	Rsa1.0_01530.1	543	43820	5.00E-88	168	169	99 +	82	250	6287	6455
UN43087	Rsa1.0_01541.1	684	43682	0	658	686	95 -	3	684	1414	2091
UN43088	Rsa1.0_00066.1	194	152418	5.00E-70	134	134	100 -	61	194	139885	140018
UN43089	Rsa1.0_00116.1	890	365886	1.00E-111	222	228	97 +	78	305	129470	129697
UN43090	Rsa1.0_00647.1	583	70440	1.00E-141	308	326	94 -	258	583	67344	67658
UN43091	Rsa1.0_00472.1	935	398134	0	390	403	96 +	536	935	3801	4202
UN43092	Rsa1.0_00069.1	663	403561	1.00E-137	300	316	94 -	1	308	136004	136317
UN43093	Rsa1.0_65705.1	807	349	1.00E-130	266	275	96 +	533	807	38	310

UN43094	Rsa1.0.00008.1	870	358124	0	372	384	96 +	490	870	323035	323418
UN43095	Rsa1.0.00727.1	907	66724	0	412	415	99 +	481	895	46287	46701
UN43096	Rsa1.0.02017.1	686	35999	0	464	483	96 +	3	485	21258	21738
UN43097	Rsa1.0.02672.1	775	28884	0	593	669	88 +	123	775	10841	11482
UN43098	Rsa1.0.22366.1	801	1127	1.00E-129	257	263	97 +	536	797	1	263
UN43099	Rsa1.0.00093.1	896	214962	0	893	899	99 +	2	896	80637	81535
UN43100	Rsa1.0.04201.1	1106	18487	0	765	797	95 +	309	1105	3461	4246
UN43101	Rsa1.0.00528.1	997	164755	0	525	539	97 -	366	904	109483	110021
UN43102	Rsa1.0.00128.1	984	228675	0	512	517	99 +	1	517	137232	137748
UN43103	Rsa1.0.00038.1	628	314568	1.00E-172	345	355	97 -	280	628	307281	307635
UN43104	Rsa1.0.01769.1	626	39568	1.00E-82	249	280	88 +	171	450	32292	32571
UN43105	Rsa1.0.00812.1	741	63233	0	351	358	98 -	296	653	13929	14286
UN43106	Rsa1.0.00110.1	780	132719	0	483	488	98 -	4	491	6854	7340
UN43107	Rsa1.0.14210.1	698	3660	1.00E-143	302	317	95 -	244	560	1303	1619
UN43108	Rsa1.0.00258.1	789	102381	0	688	705	97 +	74	777	93390	94094
UN43109	Rsa1.0.00002.1	487	601661	1.00E-124	283	301	94 -	188	487	290380	290680
UN43110	Rsa1.0.03771.1	1235	20942	1.00E-149	294	301	97 +	1	300	10370	10670
UN43111	Rsa1.0.00341.1	749	249309	0	563	589	95 +	1	579	207039	207626
UN43112	Rsa1.0.00920.1	911	601703	0	357	359	99 -	1	359	33028	33386
UN43113	Rsa1.0.21865.1	670	1168	0	655	675	97 +	1	669	80	754
UN43114	Rsa1.0.06106.1	503	11735	0	425	447	95 -	4	446	9780	10224
UN43115	Rsa1.0.00017.1	1012	752458	1.00E-117	285	304	93 -	619	921	154973	155271
UN43116	Rsa1.0.01742.1	778	39962	1.00E-165	405	436	92 -	3	428	26371	26799
UN43117	Rsa1.0.00812.1	756	63233	0	352	358	98 +	101	458	13929	14286
UN43118	Rsa1.0.01179.1	677	51549	0	517	533	96 -	1	529	42587	43119
UN43119	Rsa1.0.00100.1	541	249232	1.00E-161	299	302	99 +	18	319	229324	229623
UN43120	Rsa1.0.01141.1	1062	52530	0	359	367	97 -	322	688	39694	40060
UN43121	Rsa1.0.00153.1	1075	192931	0	821	830	98 +	246	1075	123102	123931
UN43122	Rsa1.0.04784.1	686	15995	0	512	523	97 -	164	686	9199	9721
UN43123	Rsa1.0.00090.1	723	273859	0	486	510	95 +	217	720	148579	149086
UN43124	Rsa1.0.00195.1	611	251884	1.00E-101	216	225	96 +	385	606	83583	83807
UN43125	Rsa1.0.00002.1	419	601661	1.00E-97	199	204	97 -	3	204	141464	141667
UN43126	Rsa1.0.00751.1	960	65759	1.00E-114	219	222	98 +	739	960	15009	15230
UN43127	Rsa1.0.02020.1	1136	173211	0	521	529	98 +	2	530	153385	153913
UN43128	Rsa1.0.00507.1	725	79074	1.00E-154	300	308	97 -	284	591	42907	43214
UN43129	Rsa1.0.00259.1	392	163204	0	380	392	96 -	8	391	154163	154554
UN43130	Rsa1.0.02071.1	859	35409	0	846	857	98 -	2	857	22453	23309
UN43131	Rsa1.0.00949.1	716	58549	1.00E-130	315	342	92 +	8	337	38366	38702
UN43132	Rsa1.0.00139.1	680	357786	0	375	380	98 -	301	679	45791	46170

UN43133	Rsa1.0.00054.1	666	162053	4.00E-55	136	144	94 -	3	146	87400	87540
UN43134	Rsa1.0.00029.1	652	272992	2.00E-54	150	164	91 +	3	166	12817	12969
UN43135	Rsa1.0.23167.1	420	1067	1.00E-101	193	195	98 +	1	195	510	704
UN43136	Rsa1.0.06424.1	1355	11045	0	423	426	99 -	1	425	10322	10747
UN43137	Rsa1.0.00877.1	743	61305	1.00E-177	314	314	100 -	430	743	4956	5269
UN43138	Rsa1.0.00651.1	705	247766	1.00E-147	290	297	97 +	410	705	231955	232251
UN43139	Rsa1.0.37761.1	499	597	0	435	451	96 +	44	494	3	451
UN43140	Rsa1.0.01465.1	740	45175	1.00E-113	241	252	95 +	220	471	28909	29160
UN43141	Rsa1.0.05410.1	440	13840	1.00E-164	419	449	93 -	2	432	6013	6460
UN43142	Rsa1.0.03132.1	838	25142	0	605	655	92 -	1	639	9632	10273
UN43143	Rsa1.0.03626.1	650	160993	0	624	652	95 +	2	650	3926	4573
UN43144	Rsa1.0.02941.1	630	26583	1.00E-152	290	296	97 -	1	296	20945	21240
UN43145	Rsa1.0.18647.1	861	1560	1.00E-149	325	342	95 -	520	857	591	932
UN43146	Rsa1.0.00207.1	555	248736	1.00E-128	247	252	98 -	1	252	11456	11707
UN43147	Rsa1.0.02360.1	789	32203	0	415	438	94 -	40	468	24666	25100
UN43148	Rsa1.0.00954.1	1037	189536	1.00E-142	309	327	94 -	3	329	155715	156035
UN43149	Rsa1.0.04603.1	814	16682	1.00E-180	335	340	98 +	2	341	6745	7084
UN43150	Rsa1.0.01178.1	797	51571	1.00E-64	132	134	98 -	420	553	20862	20995
UN43151	Rsa1.0.05822.1	697	12521	0	519	537	96 +	169	697	11655	12189
UN43152	Rsa1.0.00014.1	1237	348985	0	674	674	100 -	564	1237	331392	332065
UN43153	Rsa1.0.00624.1	981	71773	0	847	866	97 +	109	974	28945	29810
UN43154	Rsa1.0.12336.1	726	5251	1.00E-92	202	209	96 -	219	426	1958	2165
UN43155	Rsa1.0.13478.1	712	4790	0	591	606	97 -	107	712	3055	3658
UN43156	Rsa1.0.00009.1	674	232558	0	407	411	99 +	262	672	101168	101578
UN43157	Rsa1.0.19248.1	839	1457	0	352	358	98 +	190	547	1	358
UN43158	Rsa1.0.04229.1	1022	18389	0	328	329	99 +	251	579	1	329
UN43159	Rsa1.0.00826.1	772	166736	1.00E-127	393	445	88 +	1	439	130526	130952
UN43160	Rsa1.0.00017.1	1396	752458	0	631	669	94 -	1	659	352440	353108
UN43161	Rsa1.0.00067.1	684	415055	0	347	352	98 +	332	683	82824	83175
UN43162	Rsa1.0.00462.1	540	82288	1.00E-107	239	251	95 -	288	538	36026	36272
UN43163	Rsa1.0.11519.1	1141	5480	0	793	813	97 -	2	811	4461	5269
UN43164	Rsa1.0.01650.1	603	41589	0	521	540	96 +	64	603	27378	27916
UN43165	Rsa1.0.00130.1	822	125737	0	471	506	93 +	329	822	28245	28744
UN43166	Rsa1.0.00939.1	871	185227	7.00E-76	186	199	93 -	669	859	170312	170510
UN43167	Rsa1.0.01258.1	425	49755	9.00E-77	168	174	96 -	237	409	22315	22488
UN43168	Rsa1.0.14452.1	738	3375	1.00E-141	271	275	98 +	442	715	234	508
UN43169	Rsa1.0.00098.1	874	349239	1.00E-147	271	273	99 -	600	872	142872	143144
UN43170	Rsa1.0.05758.1	864	12721	0	816	843	96 -	25	864	617	1457
UN43171	Rsa1.0.04092.1	1216	19128	0	548	561	97 +	658	1215	6109	6669

UN43172	Rsa1.0.00088.1	682	141341	1.00E-120	240	247	97 +	403	649	7725	7971
UN43173	Rsa1.0.00833.1	661	62621	1.00E-164	296	297	99 -	363	659	8605	8901
UN43174	Rsa1.0.08750.1	669	6961	1.00E-171	331	339	97 -	326	664	6080	6416
UN43175	Rsa1.0.00470.1	928	81968	1.00E-123	368	414	88 +	525	926	50852	51252
UN43176	Rsa1.0_11921.1	940	5369	6.00E-24	73	78	93 +	466	543	4560	4637
UN43177	Rsa1.0_05015.1	579	15125	0	398	411	96 -	53	463	9628	10038
UN43178	Rsa1.0.07692.1	628	132338	0	338	342	98 -	287	628	6725	7066
UN43179	Rsa1.0.02282.1	583	163951	2.00E-59	174	193	90 +	212	404	150366	150558
UN43180	Rsa1.0.00624.1	1018	71773	0	354	357	99 -	3	359	25394	25750
UN43181	Rsa1.0.00302.1	607	97521	1.00E-176	439	480	91 -	24	501	92198	92677
UN43182	Rsa1.0.01549.1	1142	43543	0	585	593	98 +	3	595	341	933
UN43183	Rsa1.0.01352.1	795	47443	1.00E-155	312	320	97 +	448	767	38486	38800
UN43184	Rsa1.0.04806.1	558	15898	0	333	335	99 +	216	550	7309	7643
UN43185	Rsa1.0.03876.1	838	20334	1.00E-113	269	286	94 +	554	837	7346	7629
UN43186	Rsa1.0.00489.1	738	80434	1.00E-110	243	255	95 +	484	737	48244	48498
UN43187	Rsa1.0.03870.1	615	20362	0	425	444	95 +	175	615	654	1097
UN43188	Rsa1.0.01236.1	881	50156	6.00E-98	262	284	92 +	3	284	40332	40601
UN43189	Rsa1.0.00029.1	743	272992	1.00E-141	301	314	95 -	431	743	10257	10568
UN43190	Rsa1.0.00310.1	761	96852	0	370	380	97 +	384	761	34572	34949
UN43191	Rsa1.0.04520.1	470	16995	1.00E-91	240	258	93 +	197	451	11580	11835
UN43192	Rsa1.0.01868.1	973	150904	1.00E-177	324	327	99 +	541	867	12107	12433
UN43193	Rsa1.0.10100.1	374	5998	1.00E-164	336	349	96 +	6	349	1026	1374
UN43194	Rsa1.0.00483.1	996	81102	1.00E-168	386	412	93 +	588	995	51013	51416
UN43195	Rsa1.0.01313.1	574	48387	1.00E-111	302	333	90 +	236	567	13937	14260
UN43196	Rsa1.0.01153.1	621	52264	0	476	483	98 +	1	483	7824	8306
UN43197	Rsa1.0.01112.1	635	310601	0	531	540	98 -	94	633	287648	288187
UN43198	Rsa1.0.00116.1	440	365886	1.00E-157	330	346	95 -	97	439	309	648
UN43199	Rsa1.0.02069.1	749	35425	0	447	477	93 -	272	748	20613	21072
UN43200	Rsa1.0.08102.1	907	7901	0	416	421	98 +	487	907	5712	6132
UN43201	Rsa1.0.01696.1	826	301850	0	341	347	98 -	468	814	159026	159372
UN43202	Rsa1.0.00124.1	538	262503	0	348	353	98 +	1	353	162573	162925
UN43203	Rsa1.0.00772.1	694	64856	0	686	694	98 +	2	694	55214	55905
UN43204	Rsa1.0.01082.1	440	54640	0	430	438	98 +	3	440	27791	28228
UN43205	Rsa1.0.17444.1	864	1828	1.00E-135	315	341	92 +	3	325	1453	1793
UN43206	Rsa1.0.01004.1	1370	56975	0	1258	1270	99 +	1	1267	9776	11044
UN43207	Rsa1.0.01923.1	498	37233	9.00E-71	148	152	97 -	36	187	28508	28659
UN43208	Rsa1.0.00105.1	808	134138	0	624	648	96 -	3	649	123747	124385
UN43209	Rsa1.0.01649.1	676	41624	1.00E-120	247	255	96 +	414	668	27705	27958
UN43210	Rsa1.0.02655.1	335	29027	1.00E-141	302	317	95 -	12	327	10106	10422

UN43211	Rsa1.0.09895.1	658	6101	0	627	667	94 -	5	658	4951	5610
UN43212	Rsa1.0.02036.1	440	35731	0	389	398	97 +	4	401	26464	26861
UN43213	Rsa1.0.00066.1	1073	152418	1.00E-105	246	264	93 +	810	1073	60921	61172
UN43214	Rsa1.0.00890.1	529	323870	5.00E-82	185	194	95 +	336	529	306236	306427
UN43215	Rsa1.0.01119.1	757	53459	0	475	495	95 -	4	498	1103	1595
UN43216	Rsa1.0.02544.1	526	30290	0	513	529	96 +	1	524	28268	28795
UN43217	Rsa1.0.00069.1	1016	403561	1.00E-142	271	276	98 -	53	328	179274	179549
UN43218	Rsa1.0.00486.1	685	80875	1.00E-178	389	412	94 -	281	684	32614	33022
UN43219	Rsa1.0.02633.1	598	29315	1.00E-141	289	299	96 -	300	595	472	768
UN43220	Rsa1.0.03297.1	734	23969	1.00E-116	260	274	94 +	463	734	3924	4194
UN43221	Rsa1.0.00196.1	689	109960	1.00E-175	341	348	97 +	121	467	50865	51211
UN43222	Rsa1.0.33589.1	779	675	1.00E-151	310	320	96 +	458	776	45	363
UN43223	Rsa1.0.00401.1	968	244410	0	378	394	95 -	572	965	178052	178445
UN43224	Rsa1.0.02212.1	698	33840	1.00E-95	201	207	97 +	57	258	29438	29644
UN43225	Rsa1.0.01965.1	717	36698	0	687	709	96 +	9	717	3518	4222
UN43226	Rsa1.0.18598.1	744	1567	0	433	462	93 +	103	564	258	719
UN43227	Rsa1.0.00159.1	940	431686	1.00E-129	250	255	98 +	634	888	427721	427975
UN43228	Rsa1.0.00392.1	604	88523	1.00E-137	257	259	99 -	2	260	31693	31950
UN43229	Rsa1.0.00124.1	453	262503	2.00E-56	170	185	91 -	256	437	47513	47693
UN43230	Rsa1.0.00782.1	601	64468	1.00E-101	208	215	96 -	11	225	12658	12872
UN43231	Rsa1.0.00139.1	649	357786	7.00E-60	118	118	100 -	38	155	291334	291451
UN43232	Rsa1.0.00020.1	422	283099	1.00E-114	271	289	93 -	113	401	151642	151928
UN43233	Rsa1.0.03853.1	708	20447	1.00E-138	273	281	97 +	341	621	14042	14322
UN43234	Rsa1.0.01400.1	942	46560	1.00E-156	318	330	96 +	283	612	37213	37539
UN43235	Rsa1.0.05081.1	860	136103	1.00E-134	358	391	91 +	447	834	5006	5395
UN43236	Rsa1.0.00741.1	866	66117	1.00E-157	330	346	95 +	3	338	49402	49747
UN43237	Rsa1.0.00152.1	544	257730	1.00E-120	266	282	94 +	72	353	118021	118296
UN43238	Rsa1.0.00079.1	652	606987	8.00E-72	153	158	96 -	25	182	200027	200184
UN43239	Rsa1.0.02233.1	440	33658	0	414	429	96 -	5	433	11337	11762
UN43240	Rsa1.0.01313.1	1197	48387	1.00E-155	437	490	89 +	419	879	13351	13838
UN43241	Rsa1.0.05078.1	970	14912	0	572	595	96 +	233	823	9687	10281
UN43242	Rsa1.0.04782.1	456	16005	1.00E-151	314	329	95 +	126	448	4927	5255
UN43243	Rsa1.0.03623.1	627	21714	0	609	618	98 -	10	627	19168	19784
UN43244	Rsa1.0.05599.1	585	143653	1.00E-112	286	308	92 +	278	583	139259	139563
UN43245	Rsa1.0.01358.1	692	47278	9.00E-75	149	151	98 +	3	153	1620	1770
UN43246	Rsa1.0.00554.1	902	150953	9.00E-88	244	263	92 -	20	277	121603	121862
UN43247	Rsa1.0.07344.1	645	9528	0	624	652	95 -	1	644	6103	6754
UN43248	Rsa1.0.00457.1	985	337301	0	373	382	97 +	597	975	128787	129167
UN43249	Rsa1.0.04264.1	793	18207	0	373	383	97 +	412	793	5766	6148

UN43250	Rsa1.0.00570.1	808	75002	0	531	561	94 +	251	808	73116	73671
UN43251	Rsa1.0.01800.1	971	39109	1.00E-114	216	218	99 -	328	545	10179	10396
UN43252	Rsa1.0.04542.1	848	16930	1.00E-102	260	280	92 -	3	275	16130	16402
UN43253	Rsa1.0.00790.1	818	148693	0	554	575	96 +	250	818	49119	49690
UN43254	Rsa1.0.01706.1	766	40694	1.00E-125	236	239	98 +	118	356	28390	28628
UN43255	Rsa1.0.02356.1	805	141500	0	775	803	96 +	3	805	127920	128722
UN43256	Rsa1.0.01743.1	499	39926	0	468	501	93 +	6	499	5084	5578
UN43257	Rsa1.0.00009.1	643	232558	1.00E-172	377	397	94 +	7	399	70667	71063
UN43258	Rsa1.0.00601.1	826	177045	1.00E-137	338	366	92 +	2	357	26139	26496
UN43259	Rsa1.0.00164.1	674	116642	0	644	676	95 -	1	674	48513	49185
UN43260	Rsa1.0.00005.1	746	353093	2.00E-88	181	186	97 +	44	229	122026	122211
UN43261	Rsa1.0.03520.1	894	22327	1.00E-110	276	299	92 +	595	893	10242	10539
UN43262	Rsa1.0.00757.1	567	65559	0	487	506	96 -	2	507	41624	42121
UN43263	Rsa1.0.00467.1	801	156542	1.00E-105	228	239	95 -	3	241	81087	81325
UN43264	Rsa1.0.00847.1	663	62270	1.00E-118	228	232	98 +	123	354	52454	52685
UN43265	Rsa1.0.10516.1	393	5818	4.00E-94	208	219	94 -	119	337	4538	4756
UN43266	Rsa1.0.01536.1	846	43747	0	416	435	95 -	233	667	18915	19349
UN43267	Rsa1.0.01563.1	517	170823	1.00E-109	207	209	99 +	307	515	39388	39596
UN43268	Rsa1.0.02900.1	662	26928	1.00E-118	249	259	96 +	404	662	16858	17115
UN43269	Rsa1.0.00002.1	776	601661	1.00E-175	357	371	96 +	300	669	290310	290680
UN43270	Rsa1.0.01146.1	769	163455	0	719	774	92 -	1	769	17667	18420
UN43271	Rsa1.0.05995.1	615	11997	1.00E-144	398	441	90 +	178	615	8577	8990
UN43272	Rsa1.0.00744.1	694	66084	1.00E-178	397	420	94 -	278	694	56503	56916
UN43273	Rsa1.0.01716.1	705	40483	1.00E-137	323	349	92 +	10	355	17529	17868
UN43274	Rsa1.0.00294.1	524	144860	4.00E-67	254	295	86 -	239	524	54817	55096
UN43275	Rsa1.0.02873.1	523	27077	1.00E-147	282	288	97 +	109	396	15590	15877
UN43276	Rsa1.0.07159.1	589	9796	1.00E-122	232	234	99 -	3	236	1197	1429
UN43277	Rsa1.0.01236.1	746	50156	9.00E-66	196	218	89 -	529	745	40396	40601
UN43278	Rsa1.0.08165.1	608	7806	1.00E-124	294	315	93 -	3	308	2878	3192
UN43279	Rsa1.0.02398.1	397	31766	1.00E-144	334	363	92 -	14	355	27196	27557
UN43280	Rsa1.0.03664.1	593	21487	1.00E-111	213	216	98 +	49	264	7048	7263
UN43281	Rsa1.0.03856.1	871	20429	1.00E-107	221	226	97 -	646	869	18985	19210
UN43282	Rsa1.0.07622.1	827	9012	0	477	498	95 -	339	827	4300	4797
UN43283	Rsa1.0.06140.1	1298	11646	0	512	536	95 +	513	1047	6938	7469
UN43284	Rsa1.0.17009.1	762	1954	0	458	483	94 +	12	493	1123	1598
UN43285	Rsa1.0.02285.1	883	33001	0	646	688	93 -	1	670	31812	32493
UN43286	Rsa1.0.01460.1	812	45255	1.00E-172	348	364	95 -	326	678	2762	3125
UN43287	Rsa1.0.00395.1	586	214466	1.00E-151	292	299	97 +	287	585	203107	203405
UN43288	Rsa1.0.02952.1	651	26492	0	600	619	96 +	25	643	20486	21101

UN43289	Rsa1.0_10940.1	510	5670	2.00E-87	170	172	98 -	92	263	5499	5670
UN43290	Rsa1.0_00095.1	768	283384	1.00E-142	271	276	98 -	491	766	21300	21575
UN43291	Rsa1.0_00743.1	634	177459	5.00E-70	211	234	90 -	19	250	1203	1425
UN43292	Rsa1.0_05252.1	798	14366	0	433	444	97 +	350	793	9953	10396
UN43293	Rsa1.0_03860.1	658	20407	1.00E-107	240	253	94 -	392	643	14095	14347
UN43294	Rsa1.0_00228.1	847	105511	0	436	442	98 +	3	441	75162	75603
UN43295	Rsa1.0_03016.1	745	26000	0	714	746	95 -	3	744	4818	5557
UN43296	Rsa1.0_03700.1	1043	21299	1.00E-124	292	310	94 -	1	307	1331	1639
UN43297	Rsa1.0_03843.1	216	20496	5.00E-49	120	127	94 +	26	152	6801	6927
UN43298	Rsa1.0_00878.1	604	330303	1.00E-145	318	337	94 +	146	482	148561	148897
UN43299	Rsa1.0_02057.1	1056	35540	1.00E-109	204	205	99 +	553	757	20224	20428
UN43300	Rsa1.0_00762.1	327	165246	1.00E-105	208	213	97 -	113	325	25872	26084
UN43301	Rsa1.0_00662.1	578	192183	2.00E-50	102	102	100 +	175	276	8159	8260
UN43302	Rsa1.0_00079.1	816	606987	1.00E-134	272	282	96 +	1	282	464264	464545
UN43303	Rsa1.0_00554.1	951	150953	9.00E-54	146	157	92 -	717	868	140654	140810
UN43304	Rsa1.0_00661.1	482	213041	8.00E-56	149	160	93 +	321	479	65949	66104
UN43305	Rsa1.0_00733.1	726	66583	0	350	358	97 -	221	577	59113	59470
UN43306	Rsa1.0_01819.1	808	38834	1.00E-163	378	404	93 +	236	634	7492	7893
UN43307	Rsa1.0_03204.1	421	24622	1.00E-109	257	273	94 +	1	269	5264	5534
UN43308	Rsa1.0_00033.1	752	515811	0	409	430	95 +	1	429	366408	366835
UN43309	Rsa1.0_00476.1	480	280966	1.00E-79	196	207	94 -	1	199	157895	158101
UN43310	Rsa1.0_00577.1	830	174827	0	787	827	95 -	1	827	460	1275
UN43311	Rsa1.0_01536.1	948	43747	0	612	696	87 +	21	696	23983	24665
UN43312	Rsa1.0_03727.1	917	21158	0	613	613	100 +	3	615	2904	3516
UN43313	Rsa1.0_00437.1	907	84879	6.00E-92	193	200	96 -	706	905	44579	44778
UN43314	Rsa1.0_00614.1	949	72276	0	372	385	96 +	434	818	27549	27933
UN43315	Rsa1.0_01752.1	1274	39805	1.00E-141	303	316	95 -	1	312	4489	4802
UN43316	Rsa1.0_07899.1	427	8335	2.00E-86	165	166	99 -	261	426	5725	5890
UN43317	Rsa1.0_00254.1	1238	102600	1.00E-127	290	308	94 +	1	305	77306	77601
UN43318	Rsa1.0_00011.1	979	225044	1.00E-151	377	414	91 +	579	976	207085	207489
UN43319	Rsa1.0_03476.1	730	22646	0	453	460	98 +	1	460	10249	10707
UN43320	Rsa1.0_10817.1	840	5712	5.00E-92	214	224	95 +	27	250	4053	4273
UN43321	Rsa1.0_06136.1	841	11659	0	831	838	99 +	4	841	1213	2049
UN43322	Rsa1.0_00131.1	480	432233	1.00E-151	334	354	94 +	40	392	285283	285630
UN43323	Rsa1.0_01566.1	1077	43134	1.00E-132	362	398	90 +	1	391	30361	30744
UN43324	Rsa1.0_01341.1	1142	47764	0	399	419	95 +	410	827	13478	13887
UN43325	Rsa1.0_02874.1	811	27070	4.00E-62	151	160	94 -	650	806	1731	1890
UN43326	Rsa1.0_00416.1	1065	86772	8.00E-70	135	135	100 -	163	297	38799	38933
UN43327	Rsa1.0_00518.1	738	78360	1.00E-118	258	272	94 -	465	736	58509	58780

UN43328	Rsa1.0_24662.1	635	974	1.00E-115	216	218	99 +	417	634	193	410
UN43329	Rsa1.0_02346.1	682	32337	0	444	464	95 -	9	468	6069	6524
UN43330	Rsa1.0_01180.1	780	51517	1.00E-141	344	367	93 +	8	367	33802	34166
UN43331	Rsa1.0_01119.1	688	53459	0	617	670	92 -	1	668	4528	5181
UN43332	Rsa1.0_00236.1	799	104771	5.00E-95	192	197	97 +	318	514	96974	97170
UN43333	Rsa1.0_04470.1	755	17204	1.00E-113	262	278	94 -	34	311	4465	4733
UN43334	Rsa1.0_00181.1	719	114269	0	663	721	91 -	6	711	77823	78518
UN43335	Rsa1.0_02052.1	777	35555	2.00E-57	165	182	90 -	77	258	19884	20065
UN43336	Rsa1.0_02314.1	1041	32642	0	359	370	97 +	1	366	14283	14652
UN43337	Rsa1.0_00645.1	926	189716	0	594	641	92 -	32	662	23006	23642
UN43338	Rsa1.0_15378.1	620	2647	0	367	374	98 -	14	387	1	373
UN43339	Rsa1.0_00121.1	667	278029	1.00E-141	264	266	99 +	3	268	122859	123123
UN43340	Rsa1.0_02239.1	657	33534	1.00E-175	373	390	95 +	6	391	14863	15252
UN43341	Rsa1.0_00326.1	916	171955	1.00E-123	234	237	98 -	193	429	82742	82978
UN43342	Rsa1.0_04286.1	871	18084	0	831	878	94 +	1	869	7591	8445
UN43343	Rsa1.0_00707.1	586	190112	2.00E-59	126	129	97 +	456	584	16479	16607
UN43344	Rsa1.0_00215.1	912	201775	0	551	551	100 -	359	909	88262	88812
UN43345	Rsa1.0_15165.1	715	2785	0	496	528	93 -	8	533	1550	2063
UN43346	Rsa1.0_00066.1	886	152418	0	427	442	96 +	339	780	11265	11700
UN43347	Rsa1.0_02204.1	882	33930	1.00E-159	332	345	96 +	4	348	20577	20915
UN43348	Rsa1.0_01559.1	627	43262	4.00E-86	221	238	92 +	390	623	2268	2502
UN43349	Rsa1.0_00989.1	764	57494	0	756	765	98 +	1	764	20120	20884
UN43350	Rsa1.0_00438.1	719	84861	0	412	431	95 -	6	436	76921	77345
UN43351	Rsa1.0_01938.1	756	264018	1.00E-143	355	387	91 +	5	390	159673	160042
UN43352	Rsa1.0_01125.1	246	53193	1.00E-105	204	206	99 +	1	205	41011	41216
UN43353	Rsa1.0_00409.1	389	146788	1.00E-125	227	227	100 -	1	227	87848	88074
UN43354	Rsa1.0_03976.1	327	19759	1.00E-111	293	323	90 -	1	323	9587	9888
UN43355	Rsa1.0_07809.1	998	8503	0	871	928	93 -	67	975	1020	1941
UN43356	Rsa1.0_00253.1	714	231292	1.00E-122	237	242	97 -	223	464	123819	124060
UN43357	Rsa1.0_01675.1	720	41155	0	346	347	99 +	372	718	9381	9727
UN43358	Rsa1.0_00066.1	574	152418	0	458	479	95 -	7	481	19638	20111
UN43359	Rsa1.0_03400.1	727	23203	0	338	342	98 -	201	542	14916	15257
UN43360	Rsa1.0_03213.1	1034	24568	0	950	996	95 +	1	979	3267	4262
UN43361	Rsa1.0_02966.1	1070	135126	0	555	582	95 -	1	574	127100	127681
UN43362	Rsa1.0_03191.1	948	145762	1.00E-162	374	401	93 +	7	398	22074	22472
UN43363	Rsa1.0_00931.1	744	59210	7.00E-82	230	255	90 +	488	742	45356	45610
UN43364	Rsa1.0_07256.1	771	9655	1.00E-134	252	255	98 -	366	620	4393	4647
UN43365	Rsa1.0_01236.1	872	50156	1.00E-160	431	480	89 +	183	634	41067	41542
UN43366	Rsa1.0_02052.1	928	35555	1.00E-160	308	315	97 -	351	665	19722	20036

UN43367	Rsa1.0.00038.1	820	314568	1.00E-102	263	286	91 -	5	280	16997	17282
UN43368	Rsa1.0.00888.1	434	60978	1.00E-69	159	166	95 +	84	248	14607	14772
UN43369	Rsa1.0.00124.1	569	262503	8.00E-87	177	181	97 -	390	567	9266	9446
UN43370	Rsa1.0.01439.1	949	45841	0	553	558	99 -	1	558	27926	28483
UN43371	Rsa1.0.00080.1	583	190437	1.00E-101	311	352	88 -	1	340	33248	33587
UN43372	Rsa1.0.14775.1	717	3074	1.00E-122	232	234	99 -	3	235	2772	3005
UN43373	Rsa1.0.03890.1	767	20223	1.00E-177	369	385	95 -	3	385	11318	11701
UN43374	Rsa1.0.00093.1	342	214962	1.00E-103	288	315	91 -	2	310	134460	134772
UN43375	Rsa1.0.00512.1	980	200277	1.00E-104	235	249	94 -	682	930	61460	61708
UN43376	Rsa1.0.00205.1	602	193401	1.00E-147	327	345	94 -	1	345	38432	38769
UN43377	Rsa1.0.11168.1	878	5597	1.00E-119	221	222	99 +	657	878	541	762
UN43378	Rsa1.0.00663.1	586	164969	1.00E-161	342	357	95 -	32	387	123984	124335
UN43379	Rsa1.0.00030.1	768	250988	5.00E-92	315	360	87 -	28	366	151418	151776
UN43380	Rsa1.0.01071.1	1237	166914	0	534	562	95 +	1	558	14045	14590
UN43381	Rsa1.0.04998.1	677	15180	0	508	548	92 -	132	674	14466	14997
UN43382	Rsa1.0.00194.1	617	110851	1.00E-101	320	359	89 -	1	350	56294	56652
UN43383	Rsa1.0.00170.1	610	179538	6.00E-91	234	253	92 -	1	250	28251	28503
UN43384	Rsa1.0.00331.1	864	176754	1.00E-153	284	287	98 +	290	576	99092	99378
UN43385	Rsa1.0.00179.1	666	393324	1.00E-122	249	255	97 -	7	259	40330	40584
UN43386	Rsa1.0.09422.1	757	6381	0	452	456	99 -	1	456	2245	2700
UN43387	Rsa1.0.05482.1	637	13595	1.00E-118	251	260	96 +	1	259	13337	13595
UN43388	Rsa1.0.07379.1	677	9492	5.00E-67	200	220	90 -	22	236	3308	3527
UN43389	Rsa1.0.01976.1	565	36570	1.00E-119	300	326	92 +	61	380	32468	32793
UN43390	Rsa1.0.03114.1	736	25318	0	501	527	95 -	8	532	6565	7084
UN43391	Rsa1.0.02178.1	855	156197	1.00E-150	326	343	95 +	1	341	12298	12632
UN43392	Rsa1.0.00301.1	580	365315	1.00E-168	331	344	96 +	1	332	207823	208166
UN43393	Rsa1.0.00413.1	1099	86921	1.00E-150	302	312	96 +	784	1095	10794	11103
UN43394	Rsa1.0.00021.1	821	263655	1.00E-155	288	290	99 -	1	289	89444	89733
UN43395	Rsa1.0.00879.1	696	61297	0	650	692	93 -	4	694	53175	53849
UN43396	Rsa1.0.03577.1	627	143993	1.00E-144	356	389	91 +	259	625	8695	9082
UN43397	Rsa1.0.06246.1	847	11395	0	832	848	98 +	1	847	7456	8302
UN43398	Rsa1.0.00794.1	673	64063	1.00E-178	355	367	96 -	307	673	39660	40024
UN43399	Rsa1.0.02157.1	1036	149652	1.00E-176	320	321	99 +	1	320	142999	143319
UN43400	Rsa1.0.02333.1	636	32431	1.00E-115	374	424	88 -	7	416	29979	30390
UN43401	Rsa1.0.01374.1	778	47047	0	478	483	98 -	3	485	32469	32951
UN43402	Rsa1.0.00260.1	876	102021	0	350	356	98 -	1	356	67044	67397
UN43403	Rsa1.0.01632.1	1181	181224	0	376	380	98 -	804	1181	6048	6427
UN43404	Rsa1.0.03422.1	675	23076	1.00E-109	260	277	93 +	1	274	7545	7817
UN43405	Rsa1.0.02812.1	537	27660	1.00E-165	324	334	97 +	194	527	16592	16925

UN43406	Rsa1.0_00296.1	682	97854	0	651	682	95 -	3	681	80016	80686
UN43407	Rsa1.0_03579.1	920	21969	3.00E-32	78	80	97 +	542	621	1761	1840
UN43408	Rsa1.0_03982.1	764	19723	0	561	581	96 +	1	580	17038	17616
UN43409	Rsa1.0_05614.1	859	13191	1.00E-120	331	366	90 +	103	465	5941	6306
UN43410	Rsa1.0_03890.1	713	20223	1.00E-163	366	394	92 +	330	702	8045	8435
UN43411	Rsa1.0_05572.1	558	13291	1.00E-100	211	218	96 +	276	492	11854	12071
UN43412	Rsa1.0_00088.1	863	141341	1.00E-166	354	370	95 +	2	365	108281	108650
UN43413	Rsa1.0_00896.1	878	60509	1.00E-160	302	307	98 -	339	645	16899	17205
UN43414	Rsa1.0_02540.1	630	30344	1.00E-125	274	290	94 +	1	290	4034	4312
UN43415	Rsa1.0_00079.1	1012	606987	0	704	781	90 -	243	1012	488373	489152
UN43416	Rsa1.0_01081.1	915	499226	0	405	416	97 -	261	676	19206	19621
UN43417	Rsa1.0_00789.1	484	64233	0	452	482	93 +	1	482	13090	13560
UN43418	Rsa1.0_04238.1	619	18352	0	379	387	97 +	2	388	3897	4282
UN43419	Rsa1.0_00793.1	407	64103	4.00E-48	104	106	98 +	243	348	59524	59629
UN43420	Rsa1.0_00055.1	570	520193	1.00E-54	121	125	96 +	172	296	207569	207693
UN43421	Rsa1.0_01239.1	604	50107	1.00E-179	380	398	95 -	20	417	18949	19339
UN43422	Rsa1.0_01591.1	492	42718	1.00E-162	419	466	89 -	27	491	14911	15356
UN43423	Rsa1.0_03834.1	575	20572	1.00E-143	323	342	94 +	1	337	17673	18013
UN43424	Rsa1.0_00101.1	1009	267193	1.00E-118	240	248	96 +	617	864	121181	121428
UN43425	Rsa1.0_00899.1	901	60404	1.00E-86	238	262	90 -	71	329	51380	51632
UN43426	Rsa1.0_00237.1	1075	235974	0	1046	1110	94 +	2	1074	187736	188833
UN43427	Rsa1.0_24495.1	859	985	1.00E-140	274	281	97 +	459	739	464	744
UN43428	Rsa1.0_00706.1	779	291570	1.00E-160	360	379	94 +	4	378	20665	21038
UN43429	Rsa1.0_00762.1	529	165246	1.00E-166	314	320	98 +	80	399	28981	29300
UN43430	Rsa1.0_02981.1	895	26285	1.00E-150	319	335	95 +	91	421	4731	5065
UN43431	Rsa1.0_02129.1	908	34757	1.00E-164	373	399	93 -	373	753	5631	6029
UN43432	Rsa1.0_00200.1	1179	162016	0	602	629	95 -	1	628	108697	109323
UN43433	Rsa1.0_00171.1	847	115622	1.00E-112	227	234	97 +	19	252	1293	1526
UN43434	Rsa1.0_00867.1	664	61635	1.00E-134	272	282	96 -	381	662	61133	61414
UN43435	Rsa1.0_00332.1	697	94575	3.00E-90	181	185	97 -	347	531	61370	61554
UN43436	Rsa1.0_00051.1	761	258225	1.00E-150	410	454	90 -	226	652	118336	118784
UN43437	Rsa1.0_00382.1	813	251946	1.00E-154	319	332	96 +	1	332	173018	173347
UN43438	Rsa1.0_01430.1	1109	46034	0	1030	1116	92 +	1	1099	20146	21231
UN43439	Rsa1.0_00628.1	1177	214360	0	1123	1174	95 +	3	1176	7809	8978
UN43440	Rsa1.0_01952.1	808	36940	1.00E-157	311	321	96 -	1	321	13578	13893
UN43441	Rsa1.0_01884.1	665	37659	1.00E-122	272	285	95 -	105	385	23644	23923
UN43442	Rsa1.0_08642.1	788	7096	0	576	578	99 +	210	787	1102	1679
UN43443	Rsa1.0_15656.1	412	2500	0	404	428	94 +	1	412	570	997
UN43444	Rsa1.0_00228.1	475	105511	1.00E-159	284	284	100 -	3	286	66874	67157

UN43445	Rsa1.0.01904.1	625	37450	0	591	622	95 +	9	618	1928	2548
UN43446	Rsa1.0.00900.1	764	60367	1.00E-113	272	292	93 +	2	284	12156	12446
UN43447	Rsa1.0.00127.1	475	127446	0	461	478	96 +	3	474	29907	30382
UN43448	Rsa1.0.31443.1	768	727	2.00E-94	219	231	94 +	1	228	479	709
UN43449	Rsa1.0.44070.1	953	510	0	326	326	100 -	378	703	181	506
UN43450	Rsa1.0.00302.1	1065	97521	1.00E-105	268	290	92 +	728	1014	85022	85302
UN43451	Rsa1.0.06086.1	1161	11768	0	346	348	99 -	321	667	6768	7115
UN43452	Rsa1.0.01137.1	765	52655	1.00E-174	367	383	95 -	244	622	51348	51729
UN43453	Rsa1.0.00754.1	655	65689	1.00E-151	368	399	92 -	27	424	59897	60285
UN43454	Rsa1.0.01954.1	760	145554	1.00E-116	274	291	94 +	1	289	13012	13295
UN43455	Rsa1.0.00047.1	1014	168582	0	984	1013	97 +	1	1012	73679	74691
UN43456	Rsa1.0.00278.1	756	231896	0	740	752	98 -	3	754	183526	184273
UN43457	Rsa1.0.02343.1	930	32374	0	874	959	91 -	7	928	24172	25121
UN43458	Rsa1.0.00047.1	941	168582	1.00E-165	388	413	93 -	2	409	99362	99767
UN43459	Rsa1.0.00019.1	461	301669	2.00E-81	163	166	98 +	165	330	120142	120307
UN43460	Rsa1.0.00472.1	827	398134	0	790	827	95 -	1	820	175007	175832
UN43461	Rsa1.0.00002.1	899	601661	0	897	900	99 +	1	898	453711	454610
UN43462	Rsa1.0.00277.1	805	100132	1.00E-116	257	270	95 +	63	331	88459	88725
UN43463	Rsa1.0.00124.1	706	262503	0	374	377	99 +	10	385	83792	84167
UN43464	Rsa1.0.00944.1	830	58733	0	400	414	96 +	5	417	41332	41743
UN43465	Rsa1.0.00066.1	649	152418	0	605	628	96 -	2	626	63377	64004
UN43466	Rsa1.0.00178.1	657	114861	1.00E-155	344	365	94 -	286	647	66245	66605
UN43467	Rsa1.0.00469.1	615	82084	0	483	496	97 +	15	509	20507	21002
UN43468	Rsa1.0.03482.1	934	22625	1.00E-167	348	364	95 -	572	932	4787	5150
UN43469	Rsa1.0.00762.1	838	165246	0	790	830	95 -	2	817	22136	22960
UN43470	Rsa1.0.01319.1	933	48273	0	633	670	94 +	35	695	10934	11594
UN43471	Rsa1.0.02174.1	1312	34316	1.00E-152	289	293	98 +	1022	1312	13678	13970
UN43472	Rsa1.0.00119.1	965	467509	1.00E-150	299	306	97 -	4	308	105011	105315
UN43473	Rsa1.0.01414.1	579	149508	0	501	518	96 +	63	578	142256	142772
UN43474	Rsa1.0.00218.1	664	201480	1.00E-153	323	338	95 -	146	483	170855	171190
UN43475	Rsa1.0.06151.1	858	11612	1.00E-135	251	252	99 -	3	253	10276	10527
UN43476	Rsa1.0.00133.1	734	123768	2.00E-97	190	193	98 -	542	734	66303	66495
UN43477	Rsa1.0.01496.1	481	44595	1.00E-152	298	306	97 -	2	307	15510	15811
UN43478	Rsa1.0.11795.1	770	5406	1.00E-114	218	221	98 -	159	379	5170	5390
UN43479	Rsa1.0.05595.1	720	13228	0	535	560	95 -	32	587	5046	5604
UN43480	Rsa1.0.00387.1	672	495407	1.00E-125	286	305	93 +	238	539	394313	394617
UN43481	Rsa1.0.00593.1	680	143463	1.00E-114	221	225	98 +	232	456	55065	55289
UN43482	Rsa1.0.01092.1	768	54348	1.00E-107	350	397	88 -	350	722	7601	7993
UN43483	Rsa1.0.03479.1	722	22631	1.00E-160	312	318	98 -	404	720	9869	10185

UN43484	Rsa1.0.00564.1	651	75428	1.00E-126	230	230	100 -	3	232	67712	67941
UN43485	Rsa1.0.01175.1	786	51674	1.00E-117	221	223	99 +	322	544	478	700
UN43486	Rsa1.0.02400.1	887	31750	0	685	689	99 +	198	886	4467	5153
UN43487	Rsa1.0.02785.1	672	27881	1.00E-135	257	261	98 -	243	503	1970	2230
UN43488	Rsa1.0.00810.1	739	63289	0	406	418	97 -	62	479	6634	7051
UN43489	Rsa1.0.03955.1	1255	19884	0	403	422	95 +	3	420	12342	12761
UN43490	Rsa1.0.01835.1	668	38542	0	390	404	96 -	257	656	24235	24638
UN43491	Rsa1.0.05365.1	1153	14040	0	574	587	97 -	4	590	11967	12545
UN43492	Rsa1.0.00813.1	837	63202	0	813	829	98 +	1	829	18486	19314
UN43493	Rsa1.0.00031.1	706	179862	0	653	714	91 -	9	700	145960	146673
UN43494	Rsa1.0.00007.1	729	239325	2.00E-91	198	207	95 -	518	724	41363	41569
UN43495	Rsa1.0.00217.1	746	107079	1.00E-116	215	216	99 -	1	216	53473	53688
UN43496	Rsa1.0.04022.1	1326	19534	0	442	456	96 +	1	454	1139	1594
UN43497	Rsa1.0.00347.1	883	93048	0	486	508	95 +	352	856	41494	41998
UN43498	Rsa1.0.02101.1	263	35017	6.00E-92	222	239	92 +	9	239	34194	34430
UN43499	Rsa1.0.02488.1	559	30913	1.00E-100	186	186	100 +	1	186	28144	28329
UN43500	Rsa1.0.02496.1	701	30814	1.00E-144	308	323	95 +	7	329	14668	14984
UN43501	Rsa1.0.00743.1	613	177459	4.00E-61	133	136	97 -	231	365	613	748
UN43502	Rsa1.0.01010.1	699	56906	0	324	324	100 -	374	697	15588	15911
UN43503	Rsa1.0.00804.1	762	63726	1.00E-147	329	350	94 +	22	368	59320	59669
UN43504	Rsa1.0.01562.1	935	43196	1.00E-111	217	221	98 -	713	933	7738	7958
UN43505	Rsa1.0.00879.1	689	61297	0	668	689	96 +	4	687	20664	21341
UN43506	Rsa1.0.00173.1	559	288743	1.00E-172	366	383	95 -	162	543	39208	39589
UN43507	Rsa1.0.00341.1	868	249309	1.00E-106	202	204	99 -	385	588	22152	22355
UN43508	Rsa1.0.03178.1	965	24798	1.00E-180	421	456	92 +	371	825	10971	11403
UN43509	Rsa1.0.01136.1	599	52724	1.00E-133	310	329	94 -	1	327	14179	14501
UN43510	Rsa1.0.01743.1	489	39926	0	459	485	94 -	1	479	5100	5578
UN43511	Rsa1.0.02377.1	692	31994	1.00E-103	237	252	94 -	16	264	10248	10499
UN43512	Rsa1.0.01092.1	604	54348	4.00E-64	148	155	95 +	450	604	8661	8812
UN43513	Rsa1.0.00589.1	981	209965	0	945	985	95 +	1	979	6225	7209
UN43514	Rsa1.0.09951.1	812	6072	0	465	471	98 +	5	475	2186	2656
UN43515	Rsa1.0.01119.1	586	53459	1.00E-140	300	318	94 -	213	530	42043	42348
UN43516	Rsa1.0.14560.1	675	3267	1.00E-112	277	302	91 +	13	314	1443	1731
UN43517	Rsa1.0.00079.1	709	606987	1.00E-83	177	182	97 +	3	184	40470	40650
UN43518	Rsa1.0.00678.1	708	193163	1.00E-55	120	123	97 -	391	513	166959	167081
UN43519	Rsa1.0.01538.1	531	43733	1.00E-106	239	250	95 +	35	284	38573	38818
UN43520	Rsa1.0.00250.1	854	273771	0	439	449	97 -	1	449	32014	32461
UN43521	Rsa1.0.03842.1	1032	20503	0	515	530	97 -	454	983	8299	8822
UN43522	Rsa1.0.00195.1	1767	251884	0	1764	1767	99 -	1	1767	247617	249383

UN43523	Rsa1.0.00002.1	603	601661	1.00E-156	282	283	99 +	1	283	405977	406259
UN43524	Rsa1.0.12420.1	713	5230	1.00E-103	221	230	96 -	267	496	1921	2143
UN43525	Rsa1.0.00173.1	744	288743	1.00E-89	186	192	96 +	381	572	41444	41635
UN43526	Rsa1.0.04984.1	765	15240	0	461	475	97 +	1	471	827	1301
UN43527	Rsa1.0.01194.1	1335	51113	0	676	689	98 +	131	819	26678	27366
UN43528	Rsa1.0.00351.1	709	413096	1.00E-169	401	431	93 -	75	500	268207	268622
UN43529	Rsa1.0.19550.1	801	1416	1.00E-140	255	256	99 +	544	799	343	598
UN43530	Rsa1.0.00008.1	534	358124	0	388	400	97 -	46	445	142943	143342
UN43531	Rsa1.0.00608.1	638	172672	1.00E-169	394	419	94 -	68	479	3539	3956
UN43532	Rsa1.0.00056.1	691	332604	0	402	414	97 -	4	411	1858	2271
UN43533	Rsa1.0.00166.1	861	240912	0	796	812	98 -	2	813	213403	214214
UN43534	Rsa1.0.00282.1	989	177799	0	713	731	97 +	269	987	139180	139910
UN43535	Rsa1.0.02855.1	970	27271	1.00E-178	441	479	92 -	18	480	10770	11239
UN43536	Rsa1.0.00409.1	752	146788	0	606	630	96 -	1	628	80588	81200
UN43537	Rsa1.0.00992.1	820	57419	4.00E-71	333	392	84 +	26	408	21065	21429
UN43538	Rsa1.0.05419.1	823	13809	0	627	675	92 -	2	668	2108	2777
UN43539	Rsa1.0.03261.1	459	24281	3.00E-95	204	213	95 +	245	457	15427	15639
UN43540	Rsa1.0.02387.1	598	31890	1.00E-156	310	321	96 -	3	315	17415	17735
UN43541	Rsa1.0.01438.1	618	45882	0	391	410	95 -	207	616	32813	33216
UN43542	Rsa1.0.00879.1	614	61297	1.00E-101	270	291	92 +	1	288	54943	55230
UN43543	Rsa1.0.01302.1	670	48907	1.00E-180	353	364	96 +	194	557	4012	4375
UN43544	Rsa1.0.01701.1	662	162121	1.00E-149	369	399	92 -	39	427	20185	20580
UN43545	Rsa1.0.02697.1	763	28595	1.00E-137	313	335	93 +	318	652	11670	12004
UN43546	Rsa1.0.00179.1	665	393324	1.00E-171	377	397	94 +	2	397	200487	200876
UN43547	Rsa1.0.05684.1	631	12943	6.00E-85	178	184	96 -	46	229	12129	12312
UN43548	Rsa1.0.00979.1	802	57733	0	634	635	99 -	168	802	27128	27762
UN43549	Rsa1.0.00841.1	780	183065	1.00E-119	239	245	97 +	6	248	1062	1306
UN43550	Rsa1.0.06872.1	894	10231	4.00E-90	218	235	92 +	470	701	1961	2186
UN43551	Rsa1.0.04542.1	479	16930	1.00E-145	315	331	95 -	1	331	13253	13579
UN43552	Rsa1.0.03436.1	786	22958	1.00E-141	298	312	95 +	1	305	14642	14952
UN43553	Rsa1.0.00180.1	997	114581	1.00E-138	275	281	97 -	8	286	111546	111825
UN43554	Rsa1.0.00714.1	736	67187	0	732	736	99 -	1	734	59820	60554
UN43555	Rsa1.0.00772.1	649	64856	0	382	394	96 -	1	394	29253	29644
UN43556	Rsa1.0.00677.1	738	69159	1.00E-145	380	422	90 -	3	412	17242	17663
UN43557	Rsa1.0.18355.1	587	1616	4.00E-89	183	187	97 -	402	587	1168	1354
UN43558	Rsa1.0.00360.1	815	91190	0	501	512	97 +	57	568	75843	76354
UN43559	Rsa1.0.16906.1	1323	1993	1.00E-66	142	146	97 +	1178	1323	77	222
UN43560	Rsa1.0.03032.1	1304	25836	0	620	625	99 +	2	626	23623	24247
UN43561	Rsa1.0.01462.1	362	45231	4.00E-72	175	189	92 +	122	310	25547	25725

UN43562	Rsa1.0_17344.1	735	1853	1.00E-116	225	229	98 +	444	672	228	456
UN43563	Rsa1.0_02319.1	756	32580	1.00E-163	310	315	98 -	1	314	19826	20140
UN43564	Rsa1.0_00198.1	1049	222963	0	949	1003	94 -	1	973	133941	134939
UN43565	Rsa1.0_04057.1	853	19333	0	564	582	96 +	272	853	18260	18835
UN43566	Rsa1.0_02992.1	833	26176	1.00E-115	337	373	90 +	23	390	1509	1874
UN43567	Rsa1.0_00804.1	739	63726	1.00E-173	317	320	99 +	418	737	59947	60266
UN43568	Rsa1.0_20550.1	977	1294	6.00E-95	217	229	94 +	1	228	620	848
UN43569	Rsa1.0_00128.1	635	228675	0	384	400	96 +	238	634	198952	199351
UN43570	Rsa1.0_00266.1	931	163932	4.00E-96	233	247	94 -	24	268	7466	7711
UN43571	Rsa1.0_19029.1	881	1493	2.00E-79	364	431	84 +	418	836	335	764
UN43572	Rsa1.0_01048.1	759	55684	8.00E-60	137	142	96 -	7	147	46755	46896
UN43573	Rsa1.0_00842.1	765	62493	4.00E-49	109	112	97 -	267	378	53906	54017
UN43574	Rsa1.0_01642.1	634	41772	1.00E-177	366	380	96 +	1	376	10421	10799
UN43575	Rsa1.0_06482.1	800	10937	0	431	457	94 +	256	712	8153	8598
UN43576	Rsa1.0_01581.1	661	42833	1.00E-157	297	302	98 -	277	578	7614	7915
UN43577	Rsa1.0_02144.1	697	34630	1.00E-178	346	356	97 +	339	694	9429	9784
UN43578	Rsa1.0_04806.1	592	15898	0	354	355	99 +	238	592	7282	7636
UN43579	Rsa1.0_00642.1	803	201230	0	382	402	95 +	12	413	156916	157309
UN43580	Rsa1.0_00355.1	902	92038	0	894	905	98 +	2	902	4962	5866
UN43581	Rsa1.0_02521.1	787	30562	1.00E-64	161	172	93 -	2	173	25380	25548
UN43582	Rsa1.0_00933.1	307	59164	8.00E-64	127	128	99 +	5	132	52223	52350
UN43583	Rsa1.0_00119.1	824	467509	1.00E-123	289	306	94 +	254	556	247326	247627
UN43584	Rsa1.0_00977.1	508	198001	0	441	475	92 -	1	463	47174	47648
UN43585	Rsa1.0_01247.1	949	49934	0	663	682	97 -	3	683	45156	45833
UN43586	Rsa1.0_00357.1	1168	173671	1.00E-163	323	333	96 +	834	1166	125400	125728
UN43587	Rsa1.0_00999.1	962	57162	1.00E-139	299	314	95 -	2	315	31755	32056
UN43588	Rsa1.0_01453.1	783	45449	0	719	739	97 -	1	739	28442	29178
UN43589	Rsa1.0_03769.1	694	20955	6.00E-76	294	344	85 -	23	362	5729	6040
UN43590	Rsa1.0_00007.1	797	239325	0	716	758	94 -	38	794	224907	225657
UN43591	Rsa1.0_05024.1	876	15105	1.00E-149	296	304	97 +	418	721	6679	6981
UN43592	Rsa1.0_00959.1	596	58202	1.00E-45	170	193	88 -	389	581	56871	57055
UN43593	Rsa1.0_00018.1	1024	410899	0	355	360	98 -	1	360	53597	53956
UN43594	Rsa1.0_00593.1	952	143463	1.00E-164	305	309	98 +	1	309	57024	57332
UN43595	Rsa1.0_03015.1	839	26006	1.00E-176	336	343	97 -	498	837	11871	12213
UN43596	Rsa1.0_18987.1	1204	1499	0	553	553	100 -	652	1204	874	1426
UN43597	Rsa1.0_00582.1	797	74333	1.00E-170	330	339	97 -	457	795	49086	49424
UN43598	Rsa1.0_03435.1	699	22958	1.00E-133	281	293	95 -	85	376	20711	21003
UN43599	Rsa1.0_00002.1	575	601661	1.00E-145	277	281	98 +	24	303	140397	140677
UN43600	Rsa1.0_00178.1	750	114861	3.00E-87	272	299	90 -	17	309	67988	68284

UN43601	Rsa1.0.03722.1	816	21184	1.00E-108	300	331	90 -	365	694	20176	20495
UN43602	Rsa1.0.00240.1	1046	104175	0	553	616	89 -	421	1028	44006	44592
UN43603	Rsa1.0.00190.1	480	318240	1.00E-143	357	385	92 +	1	381	4028	4406
UN43604	Rsa1.0.02389.1	935	146428	1.00E-132	242	243	99 -	1	243	986	1228
UN43605	Rsa1.0.00596.1	1085	73578	1.00E-169	334	343	97 -	741	1083	9140	9478
UN43606	Rsa1.0.02468.1	676	31122	0	514	542	94 +	3	528	28520	29061
UN43607	Rsa1.0.00359.1	847	91256	0	630	639	98 -	1	639	47430	48068
UN43608	Rsa1.0.01126.1	791	53127	1.00E-174	467	521	89 -	182	699	28018	28511
UN43609	Rsa1.0.11019.1	971	5646	0	369	383	96 -	340	720	463	845
UN43610	Rsa1.0.06166.1	815	11583	1.00E-143	314	328	95 +	2	319	6768	7094
UN43611	Rsa1.0.00170.1	783	179538	0	759	790	96 -	1	781	10754	11541
UN43612	Rsa1.0.00119.1	690	467509	1.00E-164	319	325	98 -	10	333	62711	63034
UN43613	Rsa1.0.01600.1	727	42537	1.00E-153	347	365	95 -	12	368	11045	11406
UN43614	Rsa1.0.01240.1	298	50075	1.00E-141	290	300	96 +	1	297	41276	41574
UN43615	Rsa1.0.01877.1	733	37789	0	516	528	97 +	206	731	1153	1680
UN43616	Rsa1.0.03188.1	504	24722	0	434	454	95 +	2	455	1953	2406
UN43617	Rsa1.0.00467.1	483	156542	3.00E-86	174	178	97 +	71	248	87509	87686
UN43618	Rsa1.0.03099.1	961	139424	0	478	505	94 +	413	905	1853	2350
UN43619	Rsa1.0.05194.1	540	14536	0	533	536	99 -	3	538	9839	10373
UN43620	Rsa1.0.00070.1	621	150321	1.00E-132	313	336	93 +	24	349	41809	42144
UN43621	Rsa1.0.01660.1	674	41400	1.00E-115	273	292	93 -	16	306	32286	32573
UN43622	Rsa1.0.06454.1	1034	10987	1.00E-169	361	378	95 -	345	721	6219	6595
UN43623	Rsa1.0.08779.1	761	6929	1.00E-172	358	373	95 -	1	371	2962	3333
UN43624	Rsa1.0.00301.1	440	365315	0	424	446	95 -	1	440	336642	337082
UN43625	Rsa1.0.01377.1	740	46967	1.00E-86	193	202	95 -	55	254	24880	25081
UN43626	Rsa1.0.05605.1	1094	13202	1.00E-158	323	336	96 +	445	780	8690	9025
UN43627	Rsa1.0.05522.1	507	13441	2.00E-59	152	163	93 -	343	505	8277	8436
UN43628	Rsa1.0.05545.1	931	13379	0	864	927	93 -	5	913	4330	5238
UN43629	Rsa1.0.01149.1	706	160459	5.00E-64	205	227	90 -	1	217	43118	43338
UN43630	Rsa1.0.05425.1	459	13797	0	452	458	98 +	1	458	5689	6146
UN43631	Rsa1.0.04884.1	928	15599	0	422	437	96 -	1	437	9290	9714
UN43632	Rsa1.0.01488.1	453	44766	1.00E-153	328	346	94 +	120	450	4638	4983
UN43633	Rsa1.0.01201.1	1057	50856	0	499	509	98 -	363	871	45904	46412
UN43634	Rsa1.0.07790.1	805	8563	1.00E-155	331	348	95 -	1	345	1	348
UN43635	Rsa1.0.01691.1	682	40921	1.00E-153	278	279	99 -	283	561	5609	5887
UN43636	Rsa1.0.17847.1	670	1727	0	499	499	100 -	3	501	739	1237
UN43637	Rsa1.0.02188.1	865	34104	0	809	840	96 +	4	843	2607	3445
UN43638	Rsa1.0.00175.1	790	166121	0	616	624	98 -	1	624	35218	35838
UN43639	Rsa1.0.01440.1	1127	45807	0	1072	1132	94 -	3	1122	7007	8121

UN43640	Rsa1.0.01462.1	514	45231	2.00E-62	164	177	92 +	61	237	25551	25725
UN43641	Rsa1.0.02064.1	895	35476	1.00E-178	320	321	99 +	573	893	9518	9838
UN43642	Rsa1.0.00048.1	583	167185	1.00E-111	342	388	88 +	1	378	146131	146498
UN43643	Rsa1.0.00231.1	761	105381	0	354	363	97 +	295	657	2754	3116
UN43644	Rsa1.0.01117.1	856	53465	1.00E-116	344	382	90 +	1	363	40108	40485
UN43645	Rsa1.0.04578.1	930	16774	0	866	868	99 -	3	870	2877	3744
UN43646	Rsa1.0.33396.1	485	679	1.00E-170	303	303	100 -	3	305	205	507
UN43647	Rsa1.0.01070.1	557	55099	0	536	557	96 -	3	556	29903	30459
UN43648	Rsa1.0.01238.1	808	50120	0	722	723	99 +	3	725	46659	47381
UN43649	Rsa1.0.03141.1	884	25061	0	569	593	95 +	2	587	16314	16897
UN43650	Rsa1.0.00067.1	766	415055	1.00E-124	229	230	99 +	535	764	244288	244517
UN43651	Rsa1.0.00741.1	875	66117	0	581	583	99 -	1	583	61278	61859
UN43652	Rsa1.0.05890.1	712	12317	0	511	512	99 -	1	512	7143	7653
UN43653	Rsa1.0.00224.1	1064	327530	1.00E-117	238	246	96 -	792	1037	36620	36865
UN43654	Rsa1.0.03028.1	954	25872	1.00E-122	271	285	95 +	26	306	20174	20458
UN43655	Rsa1.0.01095.1	673	54276	5.00E-98	206	214	96 +	266	479	34795	35008
UN43656	Rsa1.0.00746.1	976	66044	1.00E-108	206	208	99 -	767	974	20751	20958
UN43657	Rsa1.0.00222.1	594	172263	1.00E-178	360	374	96 -	3	376	40803	41173
UN43658	Rsa1.0.00416.1	718	86772	5.00E-70	135	135	100 -	231	365	38799	38933
UN43659	Rsa1.0.01251.1	525	49873	1.00E-130	254	259	98 -	3	260	7711	7969
UN43660	Rsa1.0.00016.1	661	831256	0	608	662	91 -	1	659	766949	767590
UN43661	Rsa1.0.00017.1	841	752458	1.00E-150	320	334	95 -	513	840	40835	41168
UN43662	Rsa1.0.02302.1	843	32823	0	819	842	97 -	1	842	5311	6143
UN43663	Rsa1.0.00797.1	908	63959	0	506	552	91 +	5	543	51751	52289
UN43664	Rsa1.0.08265.1	741	7630	0	445	449	99 +	2	450	6610	7058
UN43665	Rsa1.0.04810.1	535	15887	0	352	353	99 -	1	353	12553	12905
UN43666	Rsa1.0.00298.1	518	349131	2.00E-87	185	192	96 +	322	513	303630	303821
UN43667	Rsa1.0.03089.1	480	25465	1.00E-165	321	329	97 -	3	329	8781	9109
UN43668	Rsa1.0.00033.1	684	515811	6.00E-48	127	134	94 +	521	654	35164	35295
UN43669	Rsa1.0.28445.1	554	815	0	389	401	97 -	154	552	409	805
UN43670	Rsa1.0.00029.1	675	272992	1.00E-140	312	331	94 -	5	335	23298	23621
UN43671	Rsa1.0.00034.1	559	260119	1.00E-131	240	241	99 +	1	241	32939	33179
UN43672	Rsa1.0.01618.1	620	42118	1.00E-115	278	302	92 +	1	292	17286	17587
UN43673	Rsa1.0.02229.1	669	33672	3.00E-53	152	167	91 -	238	404	26114	26280
UN43674	Rsa1.0.01611.1	726	42269	1.00E-169	305	306	99 +	3	308	15232	15537
UN43675	Rsa1.0.00049.1	1071	167018	0	656	686	95 +	1	681	7061	7728
UN43676	Rsa1.0.03263.1	1107	24268	0	1062	1106	96 +	11	1106	3131	4232
UN43677	Rsa1.0.00564.1	835	75428	1.00E-111	267	283	94 +	12	290	55550	55830
UN43678	Rsa1.0.00009.1	654	232558	0	367	380	96 -	3	381	216337	216716

UN43679	Rsa1.0.00533.1	620	77375	0	502	532	94 -	83	614	49406	49937
UN43680	Rsa1.0.00369.1	730	266462	0	726	730	99 +	1	730	146430	147157
UN43681	Rsa1.0.02588.1	688	29840	0	531	549	96 -	92	635	28806	29354
UN43682	Rsa1.0.01610.1	662	42274	0	383	389	98 +	1	384	11408	11796
UN43683	Rsa1.0_10587.1	743	5794	0	433	448	96 -	1	448	234	679
UN43684	Rsa1.0_02069.1	615	35425	1.00E-131	314	340	92 +	1	340	20702	21024
UN43685	Rsa1.0.02895.1	776	26979	5.00E-86	219	240	91 -	1	240	11384	11607
UN43686	Rsa1.0.04153.1	469	18807	1.00E-140	301	316	95 -	1	315	16043	16358
UN43687	Rsa1.0.05822.1	570	12521	0	454	472	96 +	103	567	11655	12123
UN43688	Rsa1.0.27103.1	988	865	0	398	414	96 +	372	785	1	414
UN43689	Rsa1.0.03107.1	962	25349	0	508	510	99 -	2	511	13819	14328
UN43690	Rsa1.0.00817.1	609	62961	0	428	444	96 +	1	442	26802	27243
UN43691	Rsa1.0.03615.1	618	21766	1.00E-180	326	328	99 -	1	328	6065	6392
UN43692	Rsa1.0.02398.1	1185	31766	1.00E-151	423	475	89 -	109	576	29870	30326
UN43693	Rsa1.0.00155.1	742	118465	1.00E-157	329	340	96 +	404	741	96670	97006
UN43694	Rsa1.0.00401.1	980	244410	1.00E-170	376	398	94 +	5	402	178052	178445
UN43695	Rsa1.0.00079.1	417	606987	2.00E-74	177	185	95 -	1	184	22395	22576
UN43696	Rsa1.0.00592.1	510	73788	0	469	494	94 -	21	510	21212	21696
UN43697	Rsa1.0.02606.1	797	29635	1.00E-174	354	368	96 +	3	370	5867	6226
UN43698	Rsa1.0_13843.1	552	4225	1.00E-115	234	243	96 +	307	549	1426	1660
UN43699	Rsa1.0.01857.1	576	38103	1.00E-157	373	401	93 +	186	572	4693	5090
UN43700	Rsa1.0.00415.1	1485	86795	0	943	975	96 -	392	1366	72755	73729
UN43701	Rsa1.0_00859.1	711	61795	0	374	387	96 -	52	438	61329	61715
UN43702	Rsa1.0.00345.1	841	93226	1.00E-126	256	265	96 +	536	800	85769	86033
UN43703	Rsa1.0.02720.1	806	28427	1.00E-125	254	263	96 -	204	466	27893	28155
UN43704	Rsa1.0.00124.1	716	262503	1.00E-164	363	385	94 +	2	386	16205	16583
UN43705	Rsa1.0.00894.1	646	269700	3.00E-77	182	193	94 +	454	646	127219	127408
UN43706	Rsa1.0.03467.1	1070	22687	1.00E-169	328	337	97 +	732	1068	13282	13618
UN43707	Rsa1.0.03733.1	789	21108	5.00E-61	189	209	90 -	128	326	723	930
UN43708	Rsa1.0.00055.1	769	520193	0	530	565	93 +	2	545	153884	154445
UN43709	Rsa1.0.01073.1	259	55030	8.00E-79	161	165	97 +	95	259	13441	13605
UN43710	Rsa1.0.03892.1	1103	20221	1.00E-175	330	335	98 -	2	336	9147	9480
UN43711	Rsa1.0.00828.1	750	62744	1.00E-101	206	212	97 +	263	474	54485	54696
UN43712	Rsa1.0.03491.1	621	22541	2.00E-90	328	381	86 +	183	563	9155	9535
UN43713	Rsa1.0.02965.1	773	26402	0	654	696	93 -	87	773	16737	17422
UN43714	Rsa1.0.00828.1	959	62744	6.00E-86	183	190	96 -	408	597	58872	59061
UN43715	Rsa1.0.00291.1	502	172129	5.00E-88	189	193	97 +	1	193	17428	17617
UN43716	Rsa1.0.00498.1	881	79746	0	389	394	98 -	488	879	65592	65985
UN43717	Rsa1.0_04786.1	757	15988	1.00E-114	252	265	95 +	35	292	2630	2894

UN43718	Rsa1.0.00037.1	943	307838	0	460	464	99 +	4	467	153305	153768
UN43719	Rsa1.0.00079.1	989	606987	0	676	740	91 -	2	727	488659	489396
UN43720	Rsa1.0.08385.1	838	7439	1.00E-128	269	280	96 +	557	836	4331	4609
UN43721	Rsa1.0.05798.1	613	12600	0	553	577	95 -	1	562	424	1000
UN43722	Rsa1.0.01750.1	847	39816	0	401	414	96 -	294	699	14991	15402
UN43723	Rsa1.0.00356.1	904	91521	0	505	519	97 -	1	517	5333	5847
UN43724	Rsa1.0.01129.1	884	52949	0	718	729	98 +	1	723	37518	38246
UN43725	Rsa1.0.01806.1	945	39021	4.00E-96	185	187	98 +	727	913	32010	32196
UN43726	Rsa1.0.00192.1	803	278200	0	429	432	99 -	1	431	36748	37179
UN43727	Rsa1.0.00618.1	395	72195	1.00E-157	373	397	93 -	2	394	62714	63099
UN43728	Rsa1.0.01796.1	865	39154	0	624	648	96 -	136	780	16176	16814
UN43729	Rsa1.0.00208.1	772	108565	0	563	578	97 -	7	584	20397	20973
UN43730	Rsa1.0.00453.1	940	83031	1.00E-176	596	689	86 -	264	940	27310	27974
UN43731	Rsa1.0.00566.1	704	75325	1.00E-70	154	159	96 +	477	635	38342	38498
UN43732	Rsa1.0.04121.1	634	18951	1.00E-171	415	452	91 +	131	582	13877	14328
UN43733	Rsa1.0.01410.1	666	46345	1.00E-159	293	296	98 -	227	522	14374	14669
UN43734	Rsa1.0.00058.1	458	159921	1.00E-115	298	322	92 -	1	319	139467	139781
UN43735	Rsa1.0.00026.1	660	327835	1.00E-151	351	373	94 +	1	366	209451	209819
UN43736	Rsa1.0.00265.1	1057	220635	1.00E-104	274	301	91 +	1	287	146322	146622
UN43737	Rsa1.0.00795.1	956	64022	0	558	567	98 +	1	567	19629	20194
UN43738	Rsa1.0.08902.1	751	6805	0	506	524	96 +	228	751	4643	5166
UN43739	Rsa1.0.00341.1	1093	249309	1.00E-139	306	322	95 +	4	322	125829	126149
UN43740	Rsa1.0.00988.1	1039	57525	0	510	535	95 +	508	1037	50667	51199
UN43741	Rsa1.0.00942.1	391	58873	1.00E-121	288	307	93 -	1	306	3175	3478
UN43742	Rsa1.0.00012.1	459	222148	1.00E-114	250	264	94 +	195	458	85501	85764
UN43743	Rsa1.0.05155.1	952	14653	0	501	528	94 +	343	861	9355	9880
UN43744	Rsa1.0.00428.1	431	85599	8.00E-68	191	210	90 +	22	225	32148	32351
UN43745	Rsa1.0.00544.1	718	76787	0	699	726	96 +	1	718	8440	9162
UN43746	Rsa1.0.00596.1	641	73578	1.00E-156	322	333	96 +	3	334	29159	29486
UN43747	Rsa1.0.00944.1	552	58733	0	492	509	96 +	1	505	250	756
UN43748	Rsa1.0.20776.1	561	1270	1.00E-143	323	345	93 -	1	344	115	449
UN43749	Rsa1.0.01087.1	547	54508	1.00E-134	268	276	97 +	1	276	23043	23314
UN43750	Rsa1.0.00251.1	843	303968	1.00E-125	285	302	94 -	334	634	123095	123394
UN43751	Rsa1.0.01021.1	1085	56610	6.00E-49	241	282	85 -	712	989	24758	25036
UN43752	Rsa1.0.00124.1	624	262503	1.00E-166	338	348	97 +	3	343	83821	84167
UN43753	Rsa1.0.00821.1	616	62891	0	414	437	94 +	58	493	5156	5590
UN43754	Rsa1.0.00593.1	554	143463	1.00E-103	254	271	93 +	1	267	60961	61228
UN43755	Rsa1.0.01937.1	312	37147	1.00E-101	192	194	98 -	3	196	21282	21475
UN43756	Rsa1.0.01583.1	784	156297	2.00E-60	149	159	93 +	555	713	130377	130535

UN43757	Rsa1.0.00185.1	524	248445	1.00E-51	119	124	95 -	130	253	238605	238728
UN43758	Rsa1.0.00330.1	694	94666	0	443	453	97 -	4	456	17165	17617
UN43759	Rsa1.0.00003.1	700	340054	0	666	699	95 +	2	697	136754	137446
UN43760	Rsa1.0.01583.1	876	156297	1.00E-133	254	257	98 -	37	293	114091	114346
UN43761	Rsa1.0.08255.1	780	7652	0	477	513	92 +	4	501	3749	4257
UN43762	Rsa1.0.00040.1	427	324196	2.00E-71	190	204	93 -	1	201	17921	18123
UN43763	Rsa1.0.02580.1	738	29909	0	710	746	95 -	1	738	20992	21728
UN43764	Rsa1.0.00657.1	760	69858	0	710	751	94 +	2	738	43868	44616
UN43765	Rsa1.0.00211.1	525	228189	1.00E-116	250	261	95 +	1	258	151676	151934
UN43766	Rsa1.0.01341.1	959	47764	1.00E-168	333	344	96 -	596	939	10488	10831
UN43767	Rsa1.0.02991.1	837	26178	5.00E-92	221	237	93 -	569	805	19286	19513
UN43768	Rsa1.0.00589.1	353	209965	1.00E-168	339	350	96 +	4	351	9710	10058
UN43769	Rsa1.0.00920.1	757	601703	0	657	720	91 +	20	731	441948	442658
UN43770	Rsa1.0.01054.1	488	55470	1.00E-167	361	381	94 -	4	374	26047	26425
UN43771	Rsa1.0.01208.1	923	50718	1.00E-145	317	333	95 +	3	334	30581	30911
UN43772	Rsa1.0.00038.1	533	314568	0	406	410	99 +	1	410	249354	249763
UN43773	Rsa1.0.01301.1	927	169072	0	490	491	99 +	317	807	19977	20467
UN43774	Rsa1.0.00254.1	514	102600	0	392	405	96 +	2	405	90265	90668
UN43775	Rsa1.0.00559.1	1013	190486	3.00E-63	410	499	82 +	395	890	182463	182958
UN43776	Rsa1.0.13747.1	736	4388	0	396	396	100 +	1	396	2129	2524
UN43777	Rsa1.0.01513.1	1034	44234	0	712	731	97 +	1	730	2397	3127
UN43778	Rsa1.0.00205.1	605	193401	4.00E-67	166	174	95 +	1	172	79328	79500
UN43779	Rsa1.0.01696.1	996	301850	8.00E-76	262	301	87 -	151	451	8101	8401
UN43780	Rsa1.0.00026.1	693	327835	1.00E-101	346	388	89 +	282	648	174424	174809
UN43781	Rsa1.0.02589.1	881	300828	0	874	879	99 -	2	879	15642	16519
UN43782	Rsa1.0.01737.1	752	40101	1.00E-125	236	238	99 +	515	750	17336	17573
UN43783	Rsa1.0.00251.1	738	303968	2.00E-75	197	212	92 -	1	202	124151	124360
UN43784	Rsa1.0.00663.1	269	164969	8.00E-76	205	221	92 -	48	263	120787	121000
UN43785	Rsa1.0.00486.1	566	80875	1.00E-120	291	311	93 -	1	306	35708	36015
UN43786	Rsa1.0.03952.1	574	19891	0	421	423	99 -	1	422	4378	4800
UN43787	Rsa1.0.01294.1	736	49090	2.00E-60	125	127	98 -	274	400	26747	26873
UN43788	Rsa1.0.00394.1	942	148426	0	789	857	92 +	110	940	136438	137277
UN43789	Rsa1.0.08609.1	723	7132	1.00E-175	330	335	98 +	6	340	6799	7132
UN43790	Rsa1.0.02316.1	826	32608	1.00E-145	279	285	97 +	1	285	6012	6296
UN43791	Rsa1.0.04153.1	493	18807	1.00E-134	276	287	96 -	1	287	16098	16384
UN43792	Rsa1.0.04568.1	747	16805	0	713	738	96 +	10	747	4947	5681
UN43793	Rsa1.0.04998.1	663	15180	0	607	649	93 -	1	646	14289	14919
UN43794	Rsa1.0.01119.1	658	53459	0	540	574	94 -	87	658	41794	42348
UN43795	Rsa1.0.02681.1	539	28711	2.00E-66	147	153	96 -	273	425	19902	20054

UN43796	Rsa1.0.03161.1	589	24905	2.00E-93	207	218	94 +	12	229	7948	8165
UN43797	Rsa1.0.00270.1	832	101236	1.00E-156	318	334	95 -	1	334	24450	24768
UN43798	Rsa1.0.02626.1	908	29387	0	425	450	94 +	1	440	22846	23293
UN43799	Rsa1.0.00140.1	683	121541	0	365	366	99 +	210	575	61550	61914
UN43800	Rsa1.0.02314.1	573	32642	1.00E-140	328	351	93 +	3	349	14307	14652
UN43801	Rsa1.0.05487.1	1156	13576	0	944	959	98 -	196	1154	3527	4482
UN43802	Rsa1.0.09470.1	930	6345	0	375	385	97 -	217	598	1451	1831
UN43803	Rsa1.0.00339.1	1107	222974	1.00E-131	250	254	98 -	425	678	40128	40381
UN43804	Rsa1.0.06739.1	584	10441	0	549	582	94 +	1	582	6557	7117
UN43805	Rsa1.0.00387.1	592	495407	1.00E-144	290	299	96 +	4	301	250433	250731
UN43806	Rsa1.0.00370.1	885	90472	0	489	511	95 +	1	510	17834	18343
UN43807	Rsa1.0.11019.1	555	5646	1.00E-138	294	307	95 -	75	381	1	302
UN43808	Rsa1.0.00409.1	1012	146788	0	744	793	93 -	220	1006	124303	125092
UN43809	Rsa1.0.00991.1	1209	143101	0	406	422	96 +	781	1201	20055	20476
UN43810	Rsa1.0.01104.1	852	285480	0	507	526	96 +	2	523	130252	130777
UN43811	Rsa1.0.00159.1	780	431686	1.00E-52	124	130	95 -	243	372	325676	325805
UN43812	Rsa1.0.00654.1	679	70012	0	659	683	96 +	1	675	41870	42549
UN43813	Rsa1.0.02855.1	848	27271	0	558	572	97 -	2	573	10684	11254
UN43814	Rsa1.0.01296.1	481	49035	1.00E-104	212	216	98 -	29	244	13384	13597
UN43815	Rsa1.0.00407.1	708	191544	1.00E-153	351	370	94 +	3	370	155505	155866
UN43816	Rsa1.0.04801.1	675	15918	0	439	462	95 +	221	673	9295	9756
UN43817	Rsa1.0.03448.1	560	22844	1.00E-118	252	264	95 -	1	260	1263	1526
UN43818	Rsa1.0.03607.1	912	21817	1.00E-116	266	280	95 -	1	278	3946	4223
UN43819	Rsa1.0.00675.1	428	145590	1.00E-132	336	371	90 -	1	368	28833	29183
UN43820	Rsa1.0.04857.1	925	15703	0	613	628	97 -	2	620	6838	7465
UN43821	Rsa1.0.00746.1	546	66044	1.00E-132	274	284	96 +	1	283	63335	63614
UN43822	Rsa1.0.00646.1	337	70473	4.00E-78	191	202	94 +	1	198	4148	4348
UN43823	Rsa1.0.06630.1	840	10633	0	404	417	96 +	423	838	2463	2876
UN43824	Rsa1.0.17174.1	596	1901	1.00E-129	257	264	97 +	10	270	782	1045
UN43825	Rsa1.0.01828.1	755	38681	0	356	357	99 -	191	547	37120	37476
UN43826	Rsa1.0.01090.1	843	54385	0	540	581	92 -	262	842	3212	3776
UN43827	Rsa1.0.00414.1	716	202190	0	334	334	100 +	1	334	185478	185811
UN43828	Rsa1.0.00418.1	518	215377	1.00E-104	199	200	99 +	1	199	201899	202098
UN43829	Rsa1.0.06664.1	867	10576	0	840	871	96 -	1	864	9192	10054
UN43830	Rsa1.0.11510.1	782	5482	0	477	483	98 -	298	780	2032	2514
UN43831	Rsa1.0.00879.1	583	61297	6.00E-94	261	288	90 +	1	273	54920	55207
UN43832	Rsa1.0.03971.1	937	19788	1.00E-138	312	326	95 -	1	325	3924	4245
UN43833	Rsa1.0.00772.1	894	64856	0	346	350	98 -	1	350	52504	52853
UN43834	Rsa1.0.00196.1	717	109960	1.00E-130	318	340	93 -	5	338	82154	82490

UN43835	Rsa1.0_00337.1	507	143174	1.00E-126	275	289	95 -	1	288	2366	2654
UN43836	Rsa1.0_00391.1	842	183853	0	483	522	92 +	7	527	68658	69163
UN43837	Rsa1.0_01637.1	802	41862	0	412	413	99 -	388	800	35083	35495
UN43838	Rsa1.0_02849.1	611	27327	0	421	421	100 +	4	424	3454	3874
UN43839	Rsa1.0_00596.1	234	73578	3.00E-66	166	175	94 -	4	174	28929	29103
UN43840	Rsa1.0_00089.1	939	406142	0	521	531	98 +	3	533	232203	232733
UN43841	Rsa1.0_01435.1	759	45942	5.00E-95	207	216	95 -	442	655	25284	25499
UN43842	Rsa1.0_00753.1	577	65705	0	390	398	97 -	2	399	4382	4778
UN43843	Rsa1.0_00016.1	662	831256	1.00E-164	293	293	100 +	294	586	543655	543947
UN43844	Rsa1.0_03156.1	739	24956	0	691	741	93 +	1	737	4617	5330
UN43845	Rsa1.0_00211.1	1072	228189	0	663	663	100 +	2	664	144637	145299
UN43846	Rsa1.0_00370.1	545	90472	1.00E-48	149	164	90 +	121	283	23272	23426
UN43847	Rsa1.0_01360.1	849	47246	0	475	499	95 -	1	491	45573	46062
UN43848	Rsa1.0_01310.1	759	164719	0	603	634	95 -	3	634	138386	139007
UN43849	Rsa1.0_27119.1	719	865	0	436	445	97 +	3	443	340	784
UN43850	Rsa1.0_04355.1	498	146733	0	376	387	97 +	2	386	1834	2219
UN43851	Rsa1.0_08685.1	1225	7041	0	1046	1068	97 -	6	1064	1927	2993
UN43852	Rsa1.0_02302.1	423	32823	0	348	352	98 -	1	349	14430	14781
UN43853	Rsa1.0_00370.1	797	90472	0	413	422	97 +	3	422	8056	8477
UN43854	Rsa1.0_00328.1	644	224661	0	613	642	95 +	1	642	203111	203733
UN43855	Rsa1.0_08598.1	771	7143	0	521	532	97 -	3	534	109	640
UN43856	Rsa1.0_00460.1	643	206387	3.00E-62	131	134	97 -	412	545	187529	187662
UN43857	Rsa1.0_08421.1	867	7380	1.00E-128	243	245	99 -	622	865	2832	3076
UN43858	Rsa1.0_00024.1	1160	188018	1.00E-115	248	260	95 -	3	262	85516	85775
UN43859	Rsa1.0_02851.1	1147	27295	1.00E-126	288	302	95 +	1	297	8899	9196
UN43860	Rsa1.0_23866.1	765	1021	8.00E-57	116	117	99 +	72	188	552	668
UN43861	Rsa1.0_11007.1	641	5650	0	615	654	94 -	2	639	131	784
UN43862	Rsa1.0_06872.1	1105	10231	0	339	343	98 +	762	1104	200	540
UN43863	Rsa1.0_00105.1	493	134138	1.00E-130	250	252	99 +	1	251	116966	117216
UN43864	Rsa1.0_10336.1	683	5882	1.00E-144	339	363	93 +	293	655	4863	5218
UN43865	Rsa1.0_00228.1	850	105511	1.00E-120	260	270	96 -	581	848	37037	37303
UN43866	Rsa1.0_00146.1	516	149343	0	500	520	96 -	3	516	86606	87124
UN43867	Rsa1.0_00790.1	779	148693	0	703	730	96 +	7	732	131769	132498
UN43868	Rsa1.0_00940.1	530	179946	0	505	526	96 -	3	528	53970	54494
UN43869	Rsa1.0_06424.1	747	11045	1.00E-104	298	336	88 +	1	309	8819	9152
UN43870	Rsa1.0_00618.1	590	72195	0	333	335	99 -	3	337	2951	3285
UN43871	Rsa1.0_00648.1	662	70351	1.00E-116	249	261	95 -	2	262	22840	23096
UN43872	Rsa1.0_03407.1	1103	23154	0	577	608	94 +	496	1103	9568	10168
UN43873	Rsa1.0_00005.1	830	353093	1.00E-159	348	370	94 -	3	369	124216	124576

UN43874	Rsa1.0.01581.1	671	42833	1.00E-148	293	302	97 +	82	383	7614	7915
UN43875	Rsa1.0.00683.1	531	68638	0	488	504	96 -	12	515	6283	6786
UN43876	Rsa1.0.01835.1	737	38542	0	701	735	95 -	1	735	4515	5233
UN43877	Rsa1.0.00122.1	679	265937	1.00E-135	363	395	91 +	1	392	18808	19187
UN43878	Rsa1.0.04999.1	786	15179	0	722	725	99 -	61	784	1904	2628
UN43879	Rsa1.0.08230.1	898	7688	1.00E-154	280	281	99 -	1	281	5325	5605
UN43880	Rsa1.0.01713.1	1108	40564	0	659	662	99 +	2	661	26573	27234
UN43881	Rsa1.0.02372.1	590	32053	1.00E-131	253	257	98 -	332	588	7055	7309
UN43882	Rsa1.0.00176.1	828	240984	1.00E-102	219	225	97 -	6	226	186687	186911
UN43883	Rsa1.0.00048.1	1048	167185	0	897	942	95 -	110	1046	102602	103542
UN43884	Rsa1.0.00282.1	399	177799	2.00E-49	146	160	91 +	243	399	139180	139336
UN43885	Rsa1.0.00136.1	647	122464	1.00E-178	323	325	99 +	2	326	81430	81754
UN43886	Rsa1.0.01126.1	547	53127	0	509	551	92 -	8	546	28077	28606
UN43887	Rsa1.0.00116.1	1197	365886	0	1158	1205	96 +	1	1195	199694	200887
UN43888	Rsa1.0.00368.1	841	90669	0	517	533	96 -	39	568	84175	84707
UN43889	Rsa1.0.11936.1	667	5366	0	609	631	96 +	38	667	1	631
UN43890	Rsa1.0.02884.1	623	27034	0	416	437	95 -	42	474	6764	7198
UN43891	Rsa1.0.00037.1	453	307838	2.00E-65	130	131	99 +	207	337	200706	200836
UN43892	Rsa1.0.00759.1	833	65465	1.00E-168	332	343	96 +	3	345	10767	11109
UN43893	Rsa1.0.01466.1	628	45161	0	599	621	96 +	2	622	38740	39353
UN43894	Rsa1.0.03213.1	1141	24568	0	961	990	97 +	1	984	3267	4256
UN43895	Rsa1.0.00142.1	895	121474	1.00E-137	260	264	98 -	291	554	64267	64530
UN43896	Rsa1.0.06376.1	523	11135	1.00E-110	298	326	91 +	1	316	10819	11135
UN43897	Rsa1.0.02099.1	915	35030	0	913	915	99 +	1	914	17798	18712
UN43898	Rsa1.0.00026.1	706	327835	1.00E-153	371	397	93 -	314	706	209431	209819
UN43899	Rsa1.0.08044.1	571	8017	0	557	567	98 +	1	565	662	1228
UN43900	Rsa1.0.00079.1	338	606987	6.00E-99	239	262	91 +	42	285	140768	141029
UN43901	Rsa1.0.01647.1	813	41645	5.00E-95	180	181	99 -	1	181	41036	41216
UN43902	Rsa1.0.02928.1	1119	26680	0	434	438	99 -	528	965	14519	14956
UN43903	Rsa1.0.04218.1	702	18423	1.00E-110	319	350	91 -	7	347	12805	13146
UN43904	Rsa1.0.01754.1	782	39792	0	642	659	97 -	126	781	13161	13815
UN43905	Rsa1.0.00073.1	423	240924	7.00E-56	125	127	98 +	1	127	98844	98968
UN43906	Rsa1.0.01857.1	738	38103	3.00E-56	112	112	100 -	297	408	7990	8101
UN43907	Rsa1.0.00155.1	982	118465	0	951	999	95 -	3	981	97311	98299
UN43908	Rsa1.0.01332.1	1219	47936	0	343	347	98 -	5	351	5385	5731
UN43909	Rsa1.0.02265.1	679	33233	0	358	359	99 -	320	678	1254	1612
UN43910	Rsa1.0.15675.1	746	2488	1.00E-108	205	207	99 +	321	527	1969	2175
UN43911	Rsa1.0.00375.1	860	90207	1.00E-147	282	288	97 -	1	288	34140	34427
UN43912	Rsa1.0.01167.1	706	51859	0	701	703	99 +	3	704	48979	49681

UN43913	Rsa1.0.01065.1	415	55264	0	408	415	98 -	1	414	47011	47425
UN43914	Rsa1.0.00782.1	529	64468	3.00E-52	111	113	98 -	264	376	14970	15082
UN43915	Rsa1.0.01929.1	756	37191	0	595	637	93 +	17	651	27590	28215
UN43916	Rsa1.0.04524.1	628	16981	2.00E-26	86	94	91 -	205	298	16643	16736
UN43917	Rsa1.0.00682.1	589	68680	1.00E-140	253	253	100 +	1	253	36438	36690
UN43918	Rsa1.0.00376.1	957	90101	0	330	333	99 +	623	955	17667	17999
UN43919	Rsa1.0.00016.1	745	831256	0	693	723	95 +	3	717	505359	506074
UN43920	Rsa1.0.00710.1	534	67325	1.00E-126	270	281	96 +	27	306	65840	66119
UN43921	Rsa1.0.00308.1	749	96915	1.00E-151	361	393	91 -	25	416	81326	81698
UN43922	Rsa1.0.00351.1	728	413096	1.00E-172	347	360	96 -	98	457	198749	199105
UN43923	Rsa1.0.00389.1	867	88795	4.00E-96	197	203	97 -	663	865	74105	74307
UN43924	Rsa1.0.03943.1	902	19931	0	655	658	99 +	1	657	4678	5334
UN43925	Rsa1.0.00026.1	799	327835	0	619	632	97 +	76	707	25861	26492
UN43926	Rsa1.0.00251.1	471	303968	1.00E-112	261	276	94 -	2	273	147199	147469
UN43927	Rsa1.0.03781.1	711	20891	0	421	447	94 +	10	452	5119	5562
UN43928	Rsa1.0.00105.1	554	134138	0	525	552	95 -	1	545	81170	81720
UN43929	Rsa1.0.04235.1	1067	18373	0	396	398	99 +	668	1065	7648	8045
UN43930	Rsa1.0.01180.1	794	51517	1.00E-125	239	243	98 +	1	243	30306	30548
UN43931	Rsa1.0.00320.1	886	95784	1.00E-139	264	268	98 -	614	881	59045	59312
UN43932	Rsa1.0.00079.1	440	606987	0	396	418	94 +	1	404	140612	141029
UN43933	Rsa1.0.56363.1	641	406	0	345	352	98 +	1	352	13	364
UN43934	Rsa1.0.00539.1	801	76926	1.00E-151	281	284	98 +	516	799	57963	58246
UN43935	Rsa1.0.04200.1	862	18490	0	350	358	97 +	503	860	2813	3170
UN43936	Rsa1.0.03566.1	1299	22050	0	1289	1299	99 +	1	1299	15974	17272
UN43937	Rsa1.0.02223.1	596	152421	1.00E-104	260	283	91 -	3	275	129665	129945
UN43938	Rsa1.0.01941.1	484	37069	0	397	403	98 -	2	404	11479	11881
UN43939	Rsa1.0.01835.1	741	38542	1.00E-128	313	334	93 +	22	350	24246	24576
UN43940	Rsa1.0.00046.1	757	320315	0	542	542	100 -	1	542	80028	80569
UN43941	Rsa1.0.03140.1	338	25081	1.00E-163	309	313	98 -	1	311	12499	12809
UN43942	Rsa1.0.03107.1	982	25349	0	429	446	96 +	5	450	12860	13305
UN43943	Rsa1.0.00684.1	444	141701	1.00E-127	233	234	99 -	2	235	32546	32779
UN43944	Rsa1.0.04761.1	790	16103	1.00E-122	259	271	95 +	461	731	9186	9456
UN43945	Rsa1.0.00115.1	481	131321	1.00E-131	247	250	98 +	4	253	49343	49592
UN43946	Rsa1.0.00543.1	711	76788	0	656	662	99 -	1	660	35876	36537
UN43947	Rsa1.0.00662.1	973	192183	6.00E-83	198	210	94 +	73	277	8051	8260
UN43948	Rsa1.0.02265.1	877	33233	0	877	877	100 +	1	877	15641	16517
UN43949	Rsa1.0.00181.1	386	114269	0	342	342	100 +	1	342	92836	93177
UN43950	Rsa1.0.00579.1	455	148308	1.00E-121	244	253	96 -	1	253	63387	63631
UN43951	Rsa1.0.02428.1	822	31542	1.00E-174	313	314	99 +	2	315	25277	25590

UN43952	Rsa1.0.05049.1	753	15025	1.00E-153	277	278	99 -	474	751	3284	3561
UN43953	Rsa1.0.00678.1	609	193163	1.00E-67	134	135	99 -	355	489	23509	23643
UN43954	Rsa1.0.04140.1	616	18879	0	334	335	99 -	3	337	4568	4902
UN43955	Rsa1.0.00066.1	625	152418	0	609	625	97 -	2	621	63360	63983
UN43956	Rsa1.0.00034.1	1176	260119	0	592	604	98 +	2	605	1458	2061
UN43957	Rsa1.0.00317.1	1146	218290	0	936	954	98 +	194	1144	10951	11901
UN43958	Rsa1.0.00006.1	892	396176	0	876	893	98 -	1	890	296014	296898
UN43959	Rsa1.0.00991.1	1226	143101	0	524	552	94 -	1	546	34643	35186
UN43960	Rsa1.0.00104.1	519	368722	0	514	517	99 -	1	517	3962	4478
UN43961	Rsa1.0.03284.1	866	24069	0	396	408	97 +	11	418	18443	18847
UN43962	Rsa1.0.02516.1	886	30608	1.00E-103	254	272	93 -	7	274	1723	1992
UN43963	Rsa1.0.01387.1	677	46745	3.00E-99	242	263	92 +	10	253	2620	2881
UN43964	Rsa1.0.01452.1	796	45459	3.00E-99	199	204	97 -	251	454	39336	39539
UN43965	Rsa1.0.00022.1	805	200461	0	776	820	94 +	1	805	189648	190457
UN43966	Rsa1.0.00028.1	784	293984	0	546	553	98 -	1	553	32387	32939
UN43967	Rsa1.0.01440.1	286	45807	1.00E-135	246	247	99 +	2	248	5982	6228
UN43968	Rsa1.0.04845.1	441	15747	1.00E-94	211	219	96 -	13	227	6110	6328
UN43969	Rsa1.0.00182.1	951	142305	0	451	470	95 +	2	463	131695	132156
UN43970	Rsa1.0.00107.1	676	431659	0	353	357	98 +	2	358	41694	42047
UN43971	Rsa1.0.00187.1	774	393093	1.00E-113	214	216	99 +	439	654	212599	212814
UN43972	Rsa1.0.00301.1	610	365315	0	387	393	98 +	218	610	321028	321420
UN43973	Rsa1.0.00554.1	599	150953	1.00E-95	231	245	94 -	4	240	121603	121846
UN43974	Rsa1.0.00211.1	848	228189	0	388	390	99 +	1	390	129494	129883
UN43975	Rsa1.0.06501.1	741	10886	5.00E-18	51	52	98 -	432	483	10827	10878
UN43976	Rsa1.0.03520.1	444	22327	1.00E-108	275	299	91 +	145	443	10242	10539
UN43977	Rsa1.0.01355.1	710	47303	0	540	583	92 -	138	708	39411	39993
UN43978	Rsa1.0.37374.1	708	603	1.00E-169	320	326	98 +	375	700	1	326
UN43979	Rsa1.0.00100.1	940	249232	0	390	405	96 +	451	855	221841	222245
UN43980	Rsa1.0.05049.1	490	15025	0	476	487	97 -	1	487	11949	12434
UN43981	Rsa1.0.02836.1	727	27481	1.00E-147	278	281	98 +	1	281	12896	13175
UN43982	Rsa1.0.01097.1	548	173349	3.00E-89	195	201	97 +	9	209	8582	8777
UN43983	Rsa1.0.00492.1	821	80178	0	408	421	96 -	398	818	64992	65409
UN43984	Rsa1.0.09321.1	801	6456	0	505	506	99 +	2	506	4590	5095
UN43985	Rsa1.0.02355.1	670	32260	0	355	361	98 +	57	417	16689	17049
UN43986	Rsa1.0.00577.1	699	174827	1.00E-105	200	202	99 +	438	639	117949	118150
UN43987	Rsa1.0.00173.1	901	288743	0	664	671	98 +	212	881	282465	283135
UN43988	Rsa1.0.02355.1	741	32260	0	367	371	98 -	248	617	16686	17056
UN43989	Rsa1.0.00525.1	947	78030	1.00E-151	274	275	99 -	503	777	25800	26074
UN43990	Rsa1.0.04353.1	675	138437	4.00E-52	108	109	99 -	155	263	132460	132568

UN43991	Rsa1.0_00273.1	751	326186	1.00E-145	291	301	96 +	1	301	46035	46335
UN43992	Rsa1.0_00141.1	739	121494	0	432	457	94 +	1	457	82262	82714
UN43993	Rsa1.0_04214.1	636	18437	9.00E-50	182	208	87 -	352	559	3247	3452
UN43994	Rsa1.0_00736.1	754	66455	1.00E-175	335	343	97 -	174	516	6494	6836
UN43995	Rsa1.0_00377.1	805	90038	1.00E-144	304	318	95 +	3	317	10257	10574
UN43996	Rsa1.0_00215.1	785	201775	0	406	432	93 +	346	776	24023	24441
UN43997	Rsa1.0_08338.1	706	7511	1.00E-122	256	266	96 -	252	516	1645	1910
UN43998	Rsa1.0_00192.1	549	278200	0	486	513	94 -	46	547	18342	18853
UN43999	Rsa1.0_00087.1	380	761073	0	375	376	99 -	1	376	565228	565603
UN44000	Rsa1.0_00387.1	595	495407	0	363	365	99 +	2	365	250462	250826
UN44001	Rsa1.0_00790.1	1089	148693	0	731	731	100 +	1	731	131768	132498
UN44002	Rsa1.0_01466.1	471	45161	0	470	470	100 +	1	470	23951	24420
UN44003	Rsa1.0_00715.1	576	67116	0	574	574	100 -	1	574	63615	64188
UN44004	Rsa1.0_00073.1	932	240924	0	396	400	99 +	228	627	97926	98325
UN44005	Rsa1.0_00278.1	701	231896	0	691	707	97 -	2	699	183526	184232
UN44006	Rsa1.0_00284.1	1496	323267	0	861	892	96 -	336	1215	316783	317674
UN44007	Rsa1.0_01876.1	460	37800	1.00E-51	171	192	89 -	260	451	12033	12223
UN44008	Rsa1.0_01509.1	810	44258	0	449	467	96 -	1	464	16019	16482
UN44009	Rsa1.0_01363.1	889	47195	1.00E-133	261	266	98 -	225	489	21977	22242
UN44010	Rsa1.0_00215.1	539	201775	1.00E-171	312	313	99 -	1	313	2172	2483
UN44011	Rsa1.0_09236.1	966	6540	1.00E-178	320	321	99 -	339	659	5496	5816
UN44012	Rsa1.0_18393.1	596	1607	1.00E-106	218	225	96 -	1	225	111	332
UN44013	Rsa1.0_00208.1	800	108565	0	795	810	98 +	1	798	2670	3479
UN44014	Rsa1.0_00089.1	783	406142	0	378	378	100 +	1	378	179377	179754
UN44015	Rsa1.0_00097.1	609	138858	0	602	603	99 -	3	605	123374	123976
UN44016	Rsa1.0_02681.1	777	28711	0	616	625	98 +	2	624	12431	13055
UN44017	Rsa1.0_00383.1	1155	398431	1.00E-175	321	324	99 -	3	326	3111	3434
UN44018	Rsa1.0_00070.1	838	150321	1.00E-156	315	323	97 +	1	323	59108	59427
UN44019	Rsa1.0_00571.1	579	329018	0	475	476	99 +	1	476	204948	205423
UN44020	Rsa1.0_01778.1	565	39509	0	562	563	99 +	1	563	17606	18168
UN44021	Rsa1.0_00744.1	692	66084	0	420	420	100 +	1	420	56497	56916
UN44022	Rsa1.0_00619.1	567	71985	4.00E-67	196	216	90 +	40	251	69858	70073
UN44023	Rsa1.0_00069.1	762	403561	0	338	339	99 +	261	599	68758	69096
UN44024	Rsa1.0_02534.1	732	30396	1.00E-139	254	255	99 +	1	255	2956	3210
UN44025	Rsa1.0_07149.1	798	9824	0	422	436	96 +	1	427	810	1245
UN44026	Rsa1.0_29006.1	816	796	1.00E-145	270	273	98 +	237	509	41	313
UN44027	Rsa1.0_51383.1	855	442	1.00E-176	360	372	96 +	474	841	71	442
UN44028	Rsa1.0_01198.1	210	51029	1.00E-89	195	203	96 +	8	210	21077	21278
UN44029	Rsa1.0_03884.1	1144	20274	0	446	480	92 -	1	480	19654	20113

UN44030	Rsa1.0_17354.1	558	1851	1.00E-144	285	291	97 +	131	419	420	710
UN44031	Rsa1.0_02358.1	947	32213	0	373	386	96 -	562	943	9784	10169
UN44032	Rsa1.0_03418.1	846	147293	1.00E-143	258	258	100 +	3	260	10080	10337
UN44033	Rsa1.0_00863.1	604	254535	1.00E-61	220	248	88 +	3	242	110411	110656
UN44034	Rsa1.0_04714.1	759	146738	0	714	757	94 +	1	757	143499	144238
UN44035	Rsa1.0_04200.1	770	18490	0	472	492	95 +	1	492	2217	2707
UN44036	Rsa1.0_00017.1	816	752458	1.00E-74	164	171	95 -	646	816	514888	515058
UN44037	Rsa1.0_04714.1	791	146738	0	507	536	94 -	46	572	139509	140037
UN44038	Rsa1.0_00324.1	480	218805	1.00E-180	340	346	98 -	1	346	182824	183167
UN44039	Rsa1.0_01397.1	715	183276	1.00E-143	333	360	92 -	5	364	172580	172923
UN44040	Rsa1.0_01650.1	707	41589	1.00E-119	238	244	97 +	256	499	7077	7318
UN44041	Rsa1.0_00016.1	690	831256	0	500	544	91 -	61	590	773029	773570
UN44042	Rsa1.0_00334.1	962	94445	0	411	415	99 +	1	415	15197	15611
UN44043	Rsa1.0_02400.1	692	31750	0	674	678	99 -	16	691	9236	9913
UN44044	Rsa1.0_05453.1	638	13696	1.00E-162	308	313	98 +	1	312	11908	12220
UN44045	Rsa1.0_00303.1	464	97468	0	457	464	98 -	1	462	71122	71583
UN44046	Rsa1.0_01239.1	839	50107	0	386	398	96 -	13	410	18949	19340
UN44047	Rsa1.0_01341.1	874	47764	1.00E-170	328	334	98 +	1	331	43210	43543
UN44048	Rsa1.0_08286.1	751	7605	0	701	764	91 -	2	748	4490	5240
UN44049	Rsa1.0_01882.1	790	37697	0	750	798	93 -	9	788	10961	11755
UN44050	Rsa1.0_00502.1	568	204180	0	549	566	96 +	1	566	55506	56060
UN44051	Rsa1.0_00015.1	687	561803	1.00E-166	363	381	95 +	1	375	478353	478732
UN44052	Rsa1.0_01949.1	972	36960	1.00E-120	231	235	98 +	2	236	16850	17084
UN44053	Rsa1.0_32651.1	676	697	1.00E-109	210	213	98 +	10	222	265	477
UN44054	Rsa1.0_00494.1	494	79967	0	469	507	92 -	3	494	3794	4296
UN44055	Rsa1.0_00398.1	1144	88007	0	601	632	95 +	45	674	70745	71370
UN44056	Rsa1.0_00302.1	756	97521	0	741	754	98 -	3	756	87782	88535
UN44057	Rsa1.0_20960.1	545	1250	1.00E-131	264	272	97 -	234	502	542	813
UN44058	Rsa1.0_04355.1	546	146733	0	401	414	96 +	13	426	1806	2219
UN44059	Rsa1.0_02196.1	957	34005	0	724	725	99 -	233	957	25512	26236
UN44060	Rsa1.0_01712.1	917	154210	1.00E-114	225	230	97 +	431	660	3261	3490
UN44061	Rsa1.0_00337.1	706	143174	0	705	706	99 -	1	706	139978	140683
UN44062	Rsa1.0_09775.1	611	6156	1.00E-152	275	276	99 -	4	279	5613	5888
UN44063	Rsa1.0_08356.1	619	7485	2.33E-156	266	267	99 +	1	267	5125	5391
UN44064	Rsa1.0_00252.1	604	102760	0	591	601	98 +	2	602	745	1344
UN44065	Rsa1.0_01405.1	806	46445	0	410	424	96 +	1	422	37009	37432
UN44066	Rsa1.0_02455.1	788	31262	0	465	493	94 -	1	473	25408	25900
UN44067	Rsa1.0_00246.1	1015	103541	0	387	387	100 +	2	388	942	1328
UN44068	Rsa1.0_15363.1	616	2655	0	612	614	99 -	1	614	1688	2301

UN44069	Rsa1.0.02666.1	1039	28915	1.00E-123	245	252	97 -	318	569	24244	24495
UN44070	Rsa1.0.01249.1	722	188432	1.00E-125	265	275	96 -	66	340	40576	40848
UN44071	Rsa1.0.00022.1	744	200461	1.00E-155	348	368	94 +	10	373	40149	40515
UN44072	Rsa1.0.00800.1	552	63868	1.00E-117	220	222	99 +	329	550	19924	20145
UN44073	Rsa1.0.02895.1	741	26979	8.00E-94	216	229	94 -	3	228	11384	11612
UN44074	Rsa1.0.03518.1	1165	22337	0	592	611	96 +	559	1163	1348	1958
UN44075	Rsa1.0.00251.1	483	303968	2.00E-96	252	272	92 -	1	271	128883	129148
UN44076	Rsa1.0.10720.1	786	5746	0	328	329	99 +	1	329	5418	5746
UN44077	Rsa1.0.04218.1	442	18423	1.00E-72	139	139	100 +	230	368	14295	14433
UN44078	Rsa1.0.00054.1	1047	162053	0	1039	1045	99 -	2	1045	33741	34785
UN44079	Rsa1.0.04025.1	890	19511	0	354	361	98 +	2	356	11904	12264
UN44080	Rsa1.0.00790.1	1021	148693	0	515	540	95 -	483	1021	135029	135553
UN44081	Rsa1.0.03981.1	840	19724	1.00E-164	374	396	94 -	1	396	2255	2640
UN44082	Rsa1.0.00863.1	1023	254535	0	326	327	99 -	2	328	213547	213873
UN44083	Rsa1.0.00749.1	1150	65933	0	582	584	99 +	2	584	2670	3253
UN44084	Rsa1.0.00055.1	814	520193	0	377	387	97 -	38	424	349414	349797
UN44085	Rsa1.0.10086.1	721	6004	1.00E-169	305	306	99 +	414	719	4653	4958
UN44086	Rsa1.0.04325.1	657	17885	0	346	354	97 +	302	655	11667	12020
UN44087	Rsa1.0.00033.1	640	515811	1.00E-134	246	247	99 -	1	247	469201	469447
UN44088	Rsa1.0.00190.1	560	318240	1.00E-158	286	287	99 -	234	520	28703	28989
UN44089	Rsa1.0.49914.1	960	455	1.00E-173	312	313	99 -	647	959	143	455
UN44090	Rsa1.0.01106.1	724	53916	0	709	720	98 -	3	722	36038	36757
UN44091	Rsa1.0.00080.1	787	190437	0	411	425	96 +	1	425	104346	104766
UN44092	Rsa1.0.03781.1	283	20891	1.00E-68	183	196	93 -	89	281	10617	10807
UN44093	Rsa1.0.03944.1	642	19926	1.00E-103	273	300	91 -	335	631	9380	9679
UN44094	Rsa1.0.01281.1	657	49313	0	602	638	94 -	25	655	26768	27401
UN44095	Rsa1.0.13944.1	833	4039	0	748	772	96 +	2	770	258	1028
UN44096	Rsa1.0.06247.1	760	11395	1.00E-100	251	271	92 -	482	750	8608	8875
UN44097	Rsa1.0.00801.1	958	63861	0	705	776	90 -	4	751	61888	62650
UN44098	Rsa1.0.06356.1	832	11178	1.00E-145	278	283	98 +	1	279	8815	9097
UN44099	Rsa1.0.00339.1	285	222974	1.00E-127	277	289	95 -	1	284	212019	212302
UN44100	Rsa1.0.04126.1	530	18939	0	361	373	96 +	156	528	15519	15888
UN44101	Rsa1.0.62824.1	541	365	1.00E-177	356	368	96 +	172	538	1	365
UN44102	Rsa1.0.46258.1	783	488	1.00E-133	244	245	99 -	2	246	1	245
UN44103	Rsa1.0.00476.1	501	280966	2.00E-50	200	227	88 -	18	239	157895	158113
UN44104	Rsa1.0.00020.1	768	283099	0	552	605	91 -	163	767	63659	64247
UN44105	Rsa1.0.72479.1	939	316	1.00E-107	263	284	92 +	613	896	6	286
UN44106	Rsa1.0.01595.1	787	175383	1.00E-103	194	195	99 +	2	196	4079	4273
UN44107	Rsa1.0.00228.1	428	105511	2.33E-156	340	363	93 +	6	362	13183	13545

UN44108	Rsa1.0.05495.1	839	13534	0	461	481	95 +	1	481	468	941
UN44109	Rsa1.0.00192.1	794	278200	0	437	464	94 -	4	467	25299	25744
UN44110	Rsa1.0.00044.1	785	271658	1.00E-177	315	315	100 -	328	642	13554	13868
UN44111	Rsa1.0.01875.1	692	37849	0	406	420	96 -	3	422	25024	25442
UN44112	Rsa1.0.00163.1	823	116847	0	690	725	95 -	101	823	7967	8685
UN44113	Rsa1.0.00144.1	909	120708	0	871	907	96 -	5	907	63754	64653
UN44114	Rsa1.0.03487.1	689	22564	0	378	378	100 -	311	688	17805	18182
UN44115	Rsa1.0.04741.1	731	16164	1.00E-123	230	232	99 +	496	727	8092	8323
UN44116	Rsa1.0.00713.1	306	158017	1.00E-135	290	301	96 -	6	302	150405	150702
UN44117	Rsa1.0.00128.1	821	228675	1.00E-132	240	240	100 -	302	541	89116	89355
UN44118	Rsa1.0.03762.1	722	20976	1.00E-153	332	347	95 +	18	363	4841	5180
UN44119	Rsa1.0.02395.1	590	31785	1.00E-131	309	333	92 -	17	333	8384	8716
UN44120	Rsa1.0.00043.1	740	264937	0	457	498	91 +	177	663	225423	225909
UN44121	Rsa1.0.00394.1	651	148426	1.00E-138	293	308	95 +	336	643	137048	137349
UN44122	Rsa1.0.00083.1	239	442773	1.00E-103	208	214	97 +	25	238	251696	251909
UN44123	Rsa1.0.00179.1	714	393324	0	598	633	94 -	37	660	195560	196183
UN44124	Rsa1.0.00010.1	721	294827	1.00E-113	238	244	97 -	1	243	120313	120554
UN44125	Rsa1.0.00019.1	1554	301669	1.00E-173	332	338	98 +	1	338	176964	177297
UN44126	Rsa1.0.03469.1	1408	22681	0	378	399	94 +	403	789	4079	4477
UN44127	Rsa1.0.00307.1	648	199003	0	634	648	97 +	1	648	57722	58369
UN44128	Rsa1.0.00568.1	565	75219	3.00E-89	216	232	93 -	46	268	63277	63508
UN44129	Rsa1.0.00130.1	660	125737	0	467	483	96 +	170	646	117675	118157
UN44130	Rsa1.0.19040.1	737	1491	1.00E-163	368	392	93 -	39	429	953	1344
UN44131	Rsa1.0.03452.1	892	22817	0	714	717	99 -	2	718	2907	3623
UN44132	Rsa1.0.00339.1	676	222974	0	640	680	94 +	7	674	214095	214774
UN44133	Rsa1.0.00564.1	1016	75428	0	848	863	98 +	2	862	73602	74460
UN44134	Rsa1.0.03890.1	836	20223	0	423	445	95 +	1	444	3422	3856
UN44135	Rsa1.0.05574.1	883	13290	0	505	517	97 -	42	557	7539	8051
UN44136	Rsa1.0.00392.1	509	88523	0	456	473	96 +	2	472	79616	80077
UN44137	Rsa1.0.00568.1	808	75219	0	355	356	99 -	452	807	709	1064
UN44138	Rsa1.0.02345.1	647	32337	0	386	389	99 -	4	392	11529	11917
UN44139	Rsa1.0.00671.1	579	397884	1.00E-155	295	301	98 +	276	576	946	1246
UN44140	Rsa1.0.13478.1	793	4790	0	757	800	94 +	1	791	3057	3842
UN44141	Rsa1.0.32629.1	394	697	1.00E-136	249	250	99 +	1	250	448	697
UN44142	Rsa1.0.08265.1	1251	7630	0	1124	1135	99 -	117	1250	6496	7630
UN44143	Rsa1.0.00416.1	1077	86772	1.00E-130	242	244	99 -	834	1077	66615	66858
UN44144	Rsa1.0.04031.1	601	19489	0	572	596	95 +	2	597	960	1554
UN44145	Rsa1.0.00589.1	673	209965	0	383	398	96 +	273	670	155264	155659
UN44146	Rsa1.0.02663.1	620	169243	0	532	554	96 -	71	619	7811	8362

UN44147	Rsa1.0.00099.1	1252	159619	0	1132	1152	98 +	2	1153	80964	82115
UN44148	Rsa1.0.00227.1	702	105849	0	345	347	99 -	354	700	77967	78313
UN44149	Rsa1.0.10909.1	609	5681	0	449	469	95 +	142	607	85	553
UN44150	Rsa1.0.01428.1	1009	46071	0	784	797	98 -	222	1009	15544	16340
UN44151	Rsa1.0.00437.1	732	84879	7.00E-88	186	193	96 -	368	560	38943	39135
UN44152	Rsa1.0.00277.1	863	100132	1.00E-156	279	279	100 -	1	279	50440	50718
UN44153	Rsa1.0.00195.1	358	251884	0	356	358	99 -	1	358	98949	99306
UN44154	Rsa1.0.00372.1	745	90418	1.00E-55	120	123	97 -	194	316	85876	85998
UN44155	Rsa1.0.17114.1	537	1919	0	512	550	93 -	6	536	90	633
UN44156	Rsa1.0.00192.1	618	278200	1.00E-180	319	319	100 +	4	322	16396	16714
UN44157	Rsa1.0.00469.1	810	82084	0	572	578	98 +	1	575	71384	71961
UN44158	Rsa1.0.00176.1	639	240984	0	516	558	92 +	98	637	9868	10424
UN44159	Rsa1.0.00092.1	859	659932	1.00E-176	346	353	98 -	2	351	238480	238832
UN44160	Rsa1.0.00451.1	790	322533	1.00E-111	214	217	98 -	284	500	284872	285088
UN44161	Rsa1.0.00033.1	725	515811	0	384	402	95 -	325	725	366440	366835
UN44162	Rsa1.0.00053.1	884	263459	0	696	738	94 +	1	736	192617	193352
UN44163	Rsa1.0.00349.1	739	92621	0	718	737	97 -	3	739	7463	8199
UN44164	Rsa1.0.00194.1	1164	110851	1.00E-154	314	325	96 +	3	325	96139	96460
UN44165	Rsa1.0.00026.1	755	327835	1.00E-157	394	432	91 +	22	432	174948	175379
UN44166	Rsa1.0.02893.1	582	26999	1.00E-127	316	340	92 -	249	582	24276	24614
UN44167	Rsa1.0.06304.1	694	11267	2.00E-35	119	133	89 +	93	225	398	530
UN44168	Rsa1.0.00039.1	664	296927	1.00E-107	197	197	100 -	468	664	18131	18327
UN44169	Rsa1.0.32888.1	641	691	0	474	493	96 -	71	559	199	691
UN44170	Rsa1.0.00387.1	797	495407	0	388	393	98 -	103	495	409944	410336
UN44171	Rsa1.0.05398.1	430	13885	1.00E-152	362	385	94 -	2	383	12825	13197
UN44172	Rsa1.0.14140.1	815	3748	0	330	332	99 +	482	813	2370	2701
UN44173	Rsa1.0.00381.1	747	89718	0	547	553	98 -	193	745	63683	64235
UN44174	Rsa1.0.00928.1	993	59293	1.00E-164	401	437	91 +	575	991	32258	32694
UN44175	Rsa1.0.00706.1	872	291570	0	355	356	99 -	3	358	59656	60011
UN44176	Rsa1.0.00754.1	815	65689	3.00E-93	181	182	99 -	320	501	7037	7217
UN44177	Rsa1.0.01026.1	840	171624	1.00E-120	230	232	99 -	1	231	159554	159785
UN44178	Rsa1.0.00039.1	739	296927	0	579	588	98 +	148	735	206911	207498
UN44179	Rsa1.0.06018.1	1266	11923	1.00E-134	258	263	98 -	1003	1265	11001	11263
UN44180	Rsa1.0.00541.1	1277	76863	0	391	408	95 -	1	398	56543	56949
UN44181	Rsa1.0.00269.1	686	341668	0	433	439	98 +	246	684	43330	43768
UN44182	Rsa1.0.08796.1	695	6916	0	412	413	99 -	3	415	4101	4513
UN44183	Rsa1.0.00236.1	874	104771	0	483	483	100 -	1	483	100657	101139
UN44184	Rsa1.0.02413.1	1011	31628	1.00E-169	355	372	95 +	176	547	8130	8498
UN44185	Rsa1.0.01043.1	895	55893	0	480	489	98 +	1	489	34911	35398

UN44186	Rsa1.0_19257.1	627	1455	1.00E-150	276	278	99 +	349	626	210	487
UN44187	Rsa1.0_09302.1	953	6470	0	456	457	99 -	325	780	823	1279
UN44188	Rsa1.0_00084.1	502	142338	0	494	500	98 +	3	502	74059	74556
UN44189	Rsa1.0_01785.1	617	39368	0	454	486	93 -	1	484	27142	27618
UN44190	Rsa1.0_15114.1	1130	2815	0	625	626	99 -	503	1128	2190	2815
UN44191	Rsa1.0_00252.1	710	102760	4.00E-83	235	259	90 +	456	708	78418	78673
UN44192	Rsa1.0_02727.1	533	28404	0	533	533	100 +	1	533	26237	26769
UN44193	Rsa1.0_01156.1	688	52147	1.00E-142	295	304	97 +	288	590	33411	33712
UN44194	Rsa1.0_01070.1	542	55099	0	500	525	95 -	1	520	29913	30437
UN44195	Rsa1.0_01092.1	589	54348	3.00E-46	115	121	95 +	469	589	8661	8778
UN44196	Rsa1.0_02618.1	663	29526	0	657	661	99 +	1	661	23454	24114
UN44197	Rsa1.0_29217.1	712	789	5.00E-64	125	125	100 -	87	211	63	187
UN44198	Rsa1.0_04142.1	738	18861	0	428	433	98 -	5	437	13126	13558
UN44199	Rsa1.0_00557.1	626	75865	1.00E-169	374	396	94 -	2	394	69597	69992
UN44200	Rsa1.0_06213.1	741	11478	1.00E-180	478	523	91 -	6	524	7641	8135
UN44201	Rsa1.0_00451.1	751	322533	0	503	532	94 +	1	511	311691	312222
UN44202	Rsa1.0_00281.1	726	99908	1.00E-126	230	230	100 -	5	234	6793	7022
UN44203	Rsa1.0_43457.1	790	517	0	431	435	99 -	82	516	83	517
UN44204	Rsa1.0_01327.1	340	48033	3.00E-94	208	215	96 +	1	215	14654	14865
UN44205	Rsa1.0_01835.1	723	38542	0	720	723	99 +	1	723	12809	13531
UN44206	Rsa1.0_00386.1	955	89134	0	908	958	94 -	1	954	26116	27059
UN44207	Rsa1.0_00416.1	851	86772	3.00E-75	144	144	100 -	116	259	77716	77859
UN44208	Rsa1.0_18548.1	1000	1577	0	522	552	94 +	448	999	204	755
UN44209	Rsa1.0_00683.1	570	68638	0	546	569	95 +	1	568	4516	5081
UN44210	Rsa1.0_23229.1	712	1063	0	385	391	98 -	2	391	288	678
UN44211	Rsa1.0_00577.1	873	174827	1.00E-150	269	269	100 -	604	872	157013	157281
UN44212	Rsa1.0_35166.1	576	643	1.00E-156	311	324	95 -	3	314	1	324
UN44213	Rsa1.0_01732.1	322	40194	1.00E-155	278	278	100 +	1	278	37262	37539
UN44214	Rsa1.0_00713.1	1017	158017	0	734	743	98 +	1	742	140567	141308
UN44215	Rsa1.0_01991.1	868	36425	0	476	488	97 +	1	488	12198	12685
UN44216	Rsa1.0_00002.1	665	601661	1.00E-151	309	324	95 -	1	312	270307	270630
UN44217	Rsa1.0_00484.1	781	203294	0	649	674	96 +	1	671	156464	157128
UN44218	Rsa1.0_01983.1	563	36509	0	544	582	93 +	2	563	12677	13254
UN44219	Rsa1.0_01447.1	593	45654	1.00E-105	291	316	92 +	1	313	4528	4838
UN44220	Rsa1.0_00719.1	339	66952	1.00E-177	330	335	98 -	2	336	21505	21835
UN44221	Rsa1.0_03471.1	538	22678	1.00E-101	223	234	95 +	158	388	14969	15202
UN44222	Rsa1.0_00437.1	662	84879	0	479	489	97 +	6	490	42875	43363
UN44223	Rsa1.0_00098.1	775	349239	0	391	403	97 +	7	406	221005	221405
UN44224	Rsa1.0_01876.1	612	37800	1.00E-156	286	287	99 -	325	610	6989	7275

UN44225	Rsa1.0.00545.1	621	189649	0	530	537	98 +	1	537	25117	25653
UN44226	Rsa1.0.04775.1	985	16025	0	928	1004	92 -	3	985	4062	5052
UN44227	Rsa1.0.00170.1	668	179538	7.00E-91	241	261	92 -	53	309	28251	28511
UN44228	Rsa1.0.00084.1	557	142338	1.00E-164	304	308	98 -	1	308	74174	74481
UN44229	Rsa1.0.00463.1	674	189177	0	671	673	99 +	1	673	122419	123091
UN44230	Rsa1.0.04450.1	672	17297	1.00E-140	340	364	93 -	1	364	8254	8607
UN44231	Rsa1.0.06356.1	863	11178	1.00E-122	244	251	97 +	286	536	9177	9427
UN44232	Rsa1.0.01304.1	411	48790	0	353	353	100 +	1	353	38025	38377
UN44233	Rsa1.0.00002.1	906	601661	0	692	732	94 +	4	719	289952	290680
UN44234	Rsa1.0.00845.1	1116	62346	1.00E-125	234	236	99 -	405	640	12349	12584
UN44235	Rsa1.0.00172.1	435	115476	0	408	408	100 +	1	408	25541	25948
UN44236	Rsa1.0.00522.1	1047	78103	1.00E-77	154	156	98 -	275	430	49624	49779
UN44237	Rsa1.0.01494.1	883	44641	0	373	374	99 +	244	617	36591	36964
UN44238	Rsa1.0.00087.1	955	761073	1.00E-175	333	339	98 -	616	954	728764	729101
UN44239	Rsa1.0.00741.1	855	66117	0	558	561	99 +	295	855	64093	64653
UN44240	Rsa1.0.00031.1	310	179862	1.00E-135	296	312	94 +	2	310	138887	139190
UN44241	Rsa1.0.00011.1	689	225044	0	664	711	93 -	3	688	124182	124891
UN44242	Rsa1.0.00332.1	594	94575	8.00E-84	176	182	96 +	122	303	61373	61554
UN44243	Rsa1.0.00332.1	582	94575	1.00E-153	373	400	93 +	186	577	74767	75157
UN44244	Rsa1.0.03070.1	722	25578	0	438	455	96 +	81	535	13276	13730
UN44245	Rsa1.0.01211.1	971	50646	0	602	631	95 +	341	958	7598	8227
UN44246	Rsa1.0.00063.1	606	156150	1.00E-106	223	232	96 +	120	351	3494	3725
UN44247	Rsa1.0.00186.1	1094	112669	0	464	488	95 -	3	487	60747	61232
UN44248	Rsa1.0.00003.1	630	340054	0	427	433	98 +	180	612	54543	54973
UN44249	Rsa1.0.74470.1	633	308	1.00E-156	301	308	97 +	224	531	1	308
UN44250	Rsa1.0.00347.1	981	93048	0	889	1040	85 +	3	981	65442	66426
UN44251	Rsa1.0.01338.1	674	155644	5.00E-64	259	301	86 -	381	674	13819	14109
UN44252	Rsa1.0.04438.1	508	17361	3.00E-83	192	203	94 -	263	464	15019	15214
UN44253	Rsa1.0.00265.1	699	220635	4.00E-80	281	324	86 +	390	699	195833	196155
UN44254	Rsa1.0.00005.1	413	353093	1.00E-100	201	206	97 +	14	219	142584	142789
UN44255	Rsa1.0.08630.1	175	7104	5.00E-76	165	172	95 +	2	173	6005	6176
UN44256	Rsa1.0.00381.1	621	89718	0	395	403	98 +	3	405	63833	64235
UN44257	Rsa1.0.00197.1	859	109714	1.00E-158	289	291	99 +	3	293	76232	76522
UN44258	Rsa1.0.00962.1	589	184909	0	566	590	95 -	1	583	20030	20616
UN44259	Rsa1.0.00793.1	415	64103	1.00E-51	118	120	98 +	118	236	59307	59425
UN44260	Rsa1.0.00122.1	1054	265937	3.00E-63	395	482	81 -	385	858	237314	237793
UN44261	Rsa1.0.04098.1	819	19078	1.00E-127	301	319	94 +	1	312	11237	11553
UN44262	Rsa1.0.01146.1	613	163455	1.00E-106	231	240	96 -	375	613	20555	20793
UN44263	Rsa1.0.00243.1	789	103651	1.00E-89	241	264	91 -	86	344	23261	23518

UN44264	Rsa1.0.02490.1	627	30885	1.00E-126	261	270	96 +	8	277	13628	13896
UN44265	Rsa1.0.02314.1	1097	32642	0	943	981	96 -	128	1097	4781	5758
UN44266	Rsa1.0.01196.1	849	51097	1.00E-157	329	347	94 +	2	343	32502	32837
UN44267	Rsa1.0.00579.1	738	148308	0	508	548	92 +	83	626	66432	66976
UN44268	Rsa1.0.00017.1	831	752458	1.00E-137	262	267	98 +	408	674	272503	272769
UN44269	Rsa1.0.00166.1	625	240912	0	493	513	96 +	6	516	131084	131595
UN44270	Rsa1.0.00018.1	753	410899	0	728	770	94 +	5	753	228724	229488
UN44271	Rsa1.0.12650.1	802	5164	1.00E-107	203	205	99 -	597	801	105	309
UN44272	Rsa1.0.19378.1	925	1441	0	583	624	93 -	303	924	833	1441
UN44273	Rsa1.0.25309.1	809	942	1.00E-108	233	243	95 -	126	368	687	928
UN44274	Rsa1.0.00879.1	581	61297	2.00E-94	270	295	91 +	2	294	54940	55230
UN44275	Rsa1.0.04905.1	874	15507	9.00E-91	179	182	98 +	282	463	5373	5554
UN44276	Rsa1.0.00384.1	439	89278	1.00E-88	193	202	95 -	3	204	79556	79757
UN44277	Rsa1.0.15816.1	1015	2409	0	482	486	99 -	530	1015	405	889
UN44278	Rsa1.0.04033.1	700	19481	1.00E-135	250	252	99 -	209	460	9206	9457
UN44279	Rsa1.0.04928.1	885	15420	1.00E-134	313	331	94 -	559	883	9554	9881
UN44280	Rsa1.0.00961.1	1279	58185	0	465	478	97 +	275	748	43239	43714
UN44281	Rsa1.0.11313.1	950	5546	3.00E-81	175	182	96 +	476	657	5208	5389
UN44282	Rsa1.0.01516.1	402	44196	2.00E-92	211	224	94 -	2	225	23645	23868
UN44283	Rsa1.0.00042.1	776	171507	0	739	772	95 -	3	765	85339	86108
UN44284	Rsa1.0.01897.1	974	37499	0	921	977	94 -	10	974	35521	36494
UN44285	Rsa1.0.02901.1	1143	26909	0	453	457	99 -	688	1143	4787	5243
UN44286	Rsa1.0.00553.1	721	75983	1.00E-89	190	196	96 +	4	198	67626	67821
UN44287	Rsa1.0.07657.1	761	8896	0	759	761	99 +	1	761	2059	2819
UN44288	Rsa1.0.02891.1	692	27010	1.00E-102	198	201	98 +	492	692	692	892
UN44289	Rsa1.0.02270.1	546	249821	1.00E-124	253	262	96 -	219	480	141121	141382
UN44290	Rsa1.0.05684.1	647	12943	1.00E-114	215	217	99 +	4	220	11134	11350
UN44291	Rsa1.0.10771.1	1035	5723	0	395	413	95 -	10	420	1882	2290
UN44292	Rsa1.0.02206.1	705	33922	3.00E-62	261	306	85 +	338	642	7728	8033
UN44293	Rsa1.0.00117.1	392	213118	0	383	390	98 +	3	392	203834	204221
UN44294	Rsa1.0.00153.1	885	192931	1.00E-139	251	251	100 +	2	252	87390	87640
UN44295	Rsa1.0.07359.1	693	9515	0	632	688	91 -	2	680	4288	4969
UN44296	Rsa1.0.01212.1	565	50622	4.00E-95	183	185	98 -	260	444	1311	1495
UN44297	Rsa1.0.00373.1	1025	90296	0	392	397	98 +	631	1025	71921	72317
UN44298	Rsa1.0.01431.1	793	167877	0	761	792	96 -	3	793	36796	37581
UN44299	Rsa1.0.04154.1	744	18802	0	419	422	99 +	11	431	14944	15365
UN44300	Rsa1.0.25357.1	853	940	0	438	461	95 +	25	481	478	932
UN44301	Rsa1.0.00582.1	782	74333	0	445	456	97 +	2	456	63563	64017
UN44302	Rsa1.0.00139.1	982	357786	2.00E-82	210	229	91 -	7	235	292094	292314

UN44303	Rsa1.0.03711.1	761	21237	0	408	416	98 -	344	759	4758	5169
UN44304	Rsa1.0.02198.1	840	33989	1.00E-145	298	309	96 +	23	330	23969	24277
UN44305	Rsa1.0.01563.1	749	170823	0	678	713	95 -	42	744	25309	26018
UN44306	Rsa1.0.00602.1	738	73302	1.00E-154	426	474	89 -	267	738	4958	5409
UN44307	Rsa1.0.23101.1	801	1071	1.00E-126	336	370	90 -	437	801	29	383
UN44308	Rsa1.0.01144.1	408	52431	1.00E-173	371	387	95 +	2	382	30615	30997
UN44309	Rsa1.0.00163.1	725	116847	1.00E-149	327	347	94 +	40	385	63132	63469
UN44310	Rsa1.0.06179.1	827	11548	7.00E-73	192	203	94 +	630	827	7322	7523
UN44311	Rsa1.0.00501.1	1059	79545	1.00E-149	376	416	90 +	406	797	24598	25010
UN44312	Rsa1.0.15858.1	675	2385	0	474	492	96 +	3	494	1174	1659
UN44313	Rsa1.0.00373.1	826	90296	1.00E-168	332	342	97 -	485	826	19109	19442
UN44314	Rsa1.0.02430.1	848	31506	0	836	842	99 +	7	848	29947	30788
UN44315	Rsa1.0.10272.1	555	5909	0	517	543	95 +	15	555	284	822
UN44316	Rsa1.0.02521.1	903	30562	1.00E-68	139	141	98 -	58	198	25380	25520
UN44317	Rsa1.0.00220.1	632	192936	0	480	513	93 +	124	628	4428	4937
UN44318	Rsa1.0.01317.1	679	48287	1.00E-113	236	244	96 +	435	678	15387	15629
UN44319	Rsa1.0.01198.1	721	51029	0	448	473	94 -	1	473	11641	12100
UN44320	Rsa1.0.05204.1	670	14516	1.00E-124	250	258	96 +	221	478	6678	6935
UN44321	Rsa1.0.02777.1	604	27986	2.33E-156	283	290	97 +	309	598	25025	25314
UN44322	Rsa1.0.01635.1	773	41865	0	662	678	97 +	1	677	7345	8021
UN44323	Rsa1.0.00010.1	648	294827	1.00E-104	202	205	98 +	1	205	90153	90357
UN44324	Rsa1.0.04002.1	1091	19608	0	510	535	95 -	7	528	17634	18168
UN44325	Rsa1.0.00900.1	934	60367	1.00E-129	268	276	97 +	633	902	13294	13569
UN44326	Rsa1.0.02379.1	528	150705	1.00E-130	315	346	91 +	8	330	139702	140047
UN44327	Rsa1.0.00274.1	956	210119	1.00E-174	319	322	99 +	1	322	207243	207564
UN44328	Rsa1.0.01016.1	1032	181422	0	498	508	98 -	211	713	18736	19243
UN44329	Rsa1.0.01186.1	654	51418	0	481	492	97 -	153	643	32132	32620
UN44330	Rsa1.0.01199.1	748	163576	2.00E-35	83	85	97 -	2	86	161930	162014
UN44331	Rsa1.0.05782.1	822	12646	1.00E-103	210	215	97 -	466	679	8062	8276
UN44332	Rsa1.0.00477.1	537	81556	4.00E-64	158	169	93 +	345	513	11275	11443
UN44333	Rsa1.0.00044.1	705	271658	0	665	713	93 -	2	703	169983	170683
UN44334	Rsa1.0.02517.1	638	30600	0	609	634	96 +	1	629	4879	5508
UN44335	Rsa1.0.01081.1	560	499226	0	536	581	92 +	1	558	456368	456946
UN44336	Rsa1.0.00228.1	813	105511	1.00E-117	227	231	98 +	2	232	38651	38881
UN44337	Rsa1.0.00014.1	927	348985	1.00E-135	313	328	95 +	604	925	332887	333213
UN44338	Rsa1.0.00253.1	882	231292	1.00E-130	273	284	96 +	45	328	204548	204825
UN44339	Rsa1.0.10909.1	528	5681	1.00E-157	376	404	93 +	124	523	146	549
UN44340	Rsa1.0.09451.1	1011	6359	0	925	983	94 -	35	1008	4613	5586
UN44341	Rsa1.0.01861.1	897	38031	1.00E-160	341	359	94 -	274	632	32331	32689

UN44342	Rsa1.0_00067.1	667	415055	1.00E-123	294	316	93 +	1	307	142357	142664
UN44343	Rsa1.0_01642.1	634	41772	1.00E-168	367	387	94 +	1	385	10419	10799
UN44344	Rsa1.0_00019.1	745	301669	0	701	726	96 -	9	732	237147	237868
UN44345	Rsa1.0_00015.1	921	561803	0	501	526	95 +	1	526	181710	182234
UN44346	Rsa1.0_00010.1	1012	294827	8.00E-73	140	140	100 +	627	766	214668	214807
UN44347	Rsa1.0_01861.1	956	38031	1.00E-165	343	359	95 -	309	667	32331	32689
UN44348	Rsa1.0_00870.1	771	61606	1.00E-136	280	290	96 +	2	290	24777	25066
UN44349	Rsa1.0_00803.1	772	144228	0	699	771	90 -	23	771	51892	52643
UN44350	Rsa1.0_09063.1	649	6675	1.00E-125	267	280	95 +	304	583	2858	3137
UN44351	Rsa1.0_02697.1	756	28595	1.00E-127	309	335	92 +	307	641	11670	12004
UN44352	Rsa1.0_00301.1	801	365315	1.00E-138	321	342	93 +	27	365	27860	28188
UN44353	Rsa1.0_00594.1	758	73729	0	729	759	96 +	1	756	26981	27736
UN44354	Rsa1.0_00743.1	632	177459	2.00E-66	198	218	90 -	36	251	1203	1411
UN44355	Rsa1.0_01199.1	600	163576	9.00E-90	220	235	93 +	17	248	124483	124717
UN44356	Rsa1.0_60459.1	938	379	5.00E-74	164	170	96 -	141	309	194	363
UN44357	Rsa1.0_00205.1	833	193401	1.00E-134	371	410	90 -	1	405	77712	78102
UN44358	Rsa1.0_03163.1	796	24894	0	761	789	96 +	1	785	4477	5261
UN44359	Rsa1.0_00112.1	439	132199	1.00E-118	308	331	93 -	1	325	118956	119280
UN44360	Rsa1.0_01386.1	543	46765	1.00E-131	256	261	98 -	25	285	21078	21336
UN44361	Rsa1.0_02377.1	827	31994	1.00E-102	214	221	96 -	605	825	8896	9115
UN44362	Rsa1.0_00047.1	1024	168582	0	972	1030	94 +	1	1024	32493	33503
UN44363	Rsa1.0_00988.1	731	57525	0	369	381	96 +	340	720	50774	51154
UN44364	Rsa1.0_00603.1	693	73299	0	453	469	96 -	3	469	53726	54193
UN44365	Rsa1.0_03400.1	877	23203	0	521	542	96 +	44	585	4015	4553
UN44366	Rsa1.0_00045.1	627	328694	3.00E-99	200	204	98 +	6	209	148689	148891
UN44367	Rsa1.0_00382.1	780	251946	1.00E-117	233	238	97 -	1	237	20014	20251
UN44368	Rsa1.0_00341.1	1502	249309	0	777	803	96 -	427	1229	117699	118500
UN44369	Rsa1.0_01513.1	791	44234	1.00E-169	302	302	100 -	488	789	17197	17498
UN44370	Rsa1.0_05815.1	1217	12563	1.00E-127	258	267	96 -	613	879	8883	9149
UN44371	Rsa1.0_00067.1	729	415055	0	706	730	96 -	1	729	182852	183579
UN44372	Rsa1.0_00047.1	1531	168582	0	527	544	96 +	898	1441	96256	96799
UN44373	Rsa1.0_11103.1	861	5614	1.00E-89	230	250	92 +	463	709	25	274
UN44374	Rsa1.0_00060.1	616	502678	0	525	551	95 -	2	549	366144	366693
UN44375	Rsa1.0_00247.1	918	103408	1.00E-162	316	325	97 +	348	672	69083	69407
UN44376	Rsa1.0_00273.1	705	326186	0	397	410	96 -	5	413	45505	45911
UN44377	Rsa1.0_00248.1	885	163568	0	662	696	95 -	196	885	40143	40834
UN44378	Rsa1.0_04568.1	748	16805	1.00E-161	323	334	96 -	1	334	5339	5669
UN44379	Rsa1.0_02220.1	821	176031	1.00E-169	313	317	98 -	2	318	168068	168384
UN44380	Rsa1.0_00087.1	895	761073	0	489	501	97 -	1	500	96052	96552

UN44381	Rsa1.0_01195.1	747	147988	0	430	449	95 -	305	745	15404	15851
UN44382	Rsa1.0_00168.1	587	115870	1.00E-169	361	380	95 +	6	382	113976	114351
UN44383	Rsa1.0_26323.1	714	896	8.00E-32	101	111	90 -	167	277	385	495
UN44384	Rsa1.0_00153.1	567	192931	1.00E-128	313	338	92 +	16	351	192211	192540
UN44385	Rsa1.0_00026.1	633	327835	1.00E-149	366	392	93 +	1	384	209435	209819
UN44386	Rsa1.0_02239.1	919	33534	0	879	928	94 +	3	917	5769	6689
UN44387	Rsa1.0_02022.1	522	35923	4.00E-98	210	218	96 -	304	517	4698	4913
UN44388	Rsa1.0_00012.1	743	222148	1.00E-113	332	375	88 +	1	348	49602	49974
UN44389	Rsa1.0_00813.1	772	63202	0	598	631	94 +	141	770	18690	19320
UN44390	Rsa1.0_01090.1	605	54385	0	500	513	97 -	90	602	7036	7548
UN44391	Rsa1.0_00920.1	784	601703	0	447	465	96 -	9	471	439756	440218
UN44392	Rsa1.0_00392.1	1304	88523	0	1185	1199	98 -	112	1302	82814	84012
UN44393	Rsa1.0_00197.1	698	109714	1.00E-162	311	318	97 -	380	697	77977	78294
UN44394	Rsa1.0_07219.1	932	9702	0	444	450	98 +	483	930	1740	2189
UN44395	Rsa1.0_00522.1	629	78103	3.00E-80	155	156	99 -	275	430	49624	49779
UN44396	Rsa1.0_00627.1	808	71566	0	560	570	98 -	3	572	18404	18973
UN44397	Rsa1.0_01978.1	848	36546	1.00E-150	306	317	96 +	532	848	12510	12825
UN44398	Rsa1.0_00734.1	636	66508	1.00E-107	278	305	91 -	117	415	38631	38935
UN44399	Rsa1.0_01292.1	736	175783	1.00E-139	266	271	98 -	1	271	3978	4248
UN44400	Rsa1.0_00529.1	765	77487	1.00E-100	200	205	97 -	557	761	64207	64411
UN44401	Rsa1.0_04126.1	521	18939	1.00E-157	336	353	95 +	170	519	15539	15888
UN44402	Rsa1.0_01230.1	753	50221	0	440	448	98 +	305	752	18363	18810
UN44403	Rsa1.0_02467.1	896	31141	7.00E-73	146	148	98 +	367	514	9764	9911
UN44404	Rsa1.0_01936.1	581	37151	0	551	587	93 -	1	581	18213	18798
UN44405	Rsa1.0_06141.1	665	11644	0	569	613	92 -	63	663	6552	7150
UN44406	Rsa1.0_00202.1	758	185895	1.00E-122	259	270	95 +	390	658	12228	12497
UN44407	Rsa1.0_01647.1	1042	41645	0	484	497	97 +	544	1040	12151	12640
UN44408	Rsa1.0_00123.1	858	325650	1.00E-145	303	314	96 +	1	313	216028	216340
UN44409	Rsa1.0_32336.1	778	704	3.00E-90	204	212	96 +	3	211	453	663
UN44410	Rsa1.0_01434.1	539	45951	1.00E-115	226	231	97 +	114	344	36401	36631
UN44411	Rsa1.0_02377.1	768	31994	1.00E-124	338	377	89 -	1	359	18791	19160
UN44412	Rsa1.0_15993.1	448	2329	1.00E-119	376	428	87 -	5	418	1900	2308
UN44413	Rsa1.0_00192.1	653	278200	0	374	375	99 +	279	653	19564	19937
UN44414	Rsa1.0_02991.1	629	26178	2.00E-75	206	220	93 -	1	215	4393	4607
UN44415	Rsa1.0_10576.1	628	5797	1.00E-112	254	266	95 -	1	259	3248	3512
UN44416	Rsa1.0_01408.1	961	46383	0	629	656	95 +	307	960	17196	17849
UN44417	Rsa1.0_01523.1	771	43959	1.00E-108	249	264	94 -	1	258	20541	20804
UN44418	Rsa1.0_00511.1	869	78616	0	447	448	99 +	1	448	34980	35427
UN44419	Rsa1.0_02346.1	772	32337	0	441	461	95 -	312	772	3994	4454

UN44420	Rsa1.0_03956.1	1138	19872	0	502	542	92 -	599	1136	17799	18323
UN44421	Rsa1.0_00638.1	525	71037	4.00E-98	191	194	98 +	210	403	1	194
UN44422	Rsa1.0_02711.1	870	28475	1.00E-167	345	358	96 +	514	870	24537	24893
UN44423	Rsa1.0_00130.1	585	125737	0	500	525	95 -	3	518	117636	118160
UN44424	Rsa1.0_02003.1	1127	36171	1.00E-132	272	283	96 -	16	298	33675	33957
UN44425	Rsa1.0_02316.1	703	32608	0	363	370	98 -	328	697	6027	6396
UN44426	Rsa1.0_02397.1	1296	31778	1.00E-179	355	365	97 +	929	1290	25855	26218
UN44427	Rsa1.0_02269.1	677	33168	0	637	678	93 +	3	674	30036	30708
UN44428	Rsa1.0_00284.1	643	323267	0	601	627	95 -	3	624	232430	233055
UN44429	Rsa1.0_02054.1	842	35548	1.00E-138	270	277	97 -	424	700	27078	27354
UN44430	Rsa1.0_00271.1	738	101125	0	475	499	95 +	231	728	60726	61215
UN44431	Rsa1.0_01031.1	919	56236	1.00E-129	242	243	99 +	677	918	9641	9883
UN44432	Rsa1.0_06168.1	858	11580	1.00E-171	406	438	92 +	423	857	8500	8925
UN44433	Rsa1.0_01595.1	869	175383	1.00E-116	250	259	96 -	601	857	4018	4273
UN44434	Rsa1.0_04378.1	741	17651	1.00E-178	344	353	97 +	285	637	4630	4982
UN44435	Rsa1.0_00661.1	1118	213041	1.00E-151	340	360	94 -	3	358	195844	196201
UN44436	Rsa1.0_00360.1	967	91190	1.00E-138	296	309	95 +	18	323	43709	44013
UN44437	Rsa1.0_00119.1	795	467509	1.00E-123	287	304	94 -	25	324	247841	248144
UN44438	Rsa1.0_02043.1	836	163754	1.00E-119	239	246	97 +	247	492	145291	145536
UN44439	Rsa1.0_00006.1	681	396176	1.00E-139	306	319	95 -	365	681	275843	276159
UN44440	Rsa1.0_00504.1	851	79334	0	495	517	95 +	339	851	27053	27564
UN44441	Rsa1.0_25951.1	802	912	0	602	614	98 +	190	801	77	690
UN44442	Rsa1.0_02420.1	752	31580	1.00E-177	584	669	87 -	34	694	15999	16655
UN44443	Rsa1.0_00566.1	763	75325	0	682	779	87 +	3	763	26029	26770
UN44444	Rsa1.0_00810.1	638	63289	0	615	639	96 -	3	637	30720	31356
UN44445	Rsa1.0_02672.1	769	28884	1.00E-163	298	300	99 +	470	769	16648	16947
UN44446	Rsa1.0_02422.1	827	161122	1.00E-118	250	259	96 -	570	827	157971	158227
UN44447	Rsa1.0_00354.1	601	232005	0	558	607	91 -	1	597	199674	200264
UN44448	Rsa1.0_01571.1	1505	43000	0	917	933	98 -	573	1505	22259	23179
UN44449	Rsa1.0_00421.1	531	86365	4.00E-64	131	133	98 +	213	345	42623	42755
UN44450	Rsa1.0_05087.1	894	14885	1.00E-113	309	337	91 +	561	894	2360	2687
UN44451	Rsa1.0_04288.1	715	18077	1.00E-114	286	307	93 +	414	715	13754	14058
UN44452	Rsa1.0_11519.1	624	5480	0	394	406	97 -	59	460	4924	5329
UN44453	Rsa1.0_04218.1	614	18423	1.00E-166	399	437	91 -	173	594	15856	16280
UN44454	Rsa1.0_00139.1	724	357786	0	584	593	98 -	134	723	301273	301865
UN44455	Rsa1.0_02365.1	755	32118	2.00E-54	140	149	93 +	6	153	15625	15773
UN44456	Rsa1.0_00180.1	929	114581	0	500	520	96 -	415	929	92195	92713
UN44457	Rsa1.0_08775.1	714	6933	1.00E-141	286	295	96 -	421	714	2320	2610
UN44458	Rsa1.0_01469.1	855	45139	0	835	862	96 +	2	855	19313	20165

UN44459	Rsa1.0.06311.1	776	11254	1.00E-158	300	305	98 -	475	776	4307	4611
UN44460	Rsa1.0.02611.1	678	29586	0	398	417	95 -	12	426	19755	20170
UN44461	Rsa1.0.00879.1	1363	61297	0	500	539	92 +	362	898	37598	38121
UN44462	Rsa1.0.05572.1	772	13291	0	554	592	93 -	54	627	11471	12059
UN44463	Rsa1.0.03398.1	763	23207	1.00E-152	279	281	99 +	483	763	10860	11140
UN44464	Rsa1.0.00301.1	731	365315	0	617	648	95 -	38	678	312101	312745
UN44465	Rsa1.0.00654.1	877	70012	0	847	886	95 -	2	873	41871	42751
UN44466	Rsa1.0.01882.1	585	37697	1.00E-166	359	378	94 +	205	578	11378	11755
UN44467	Rsa1.0.00040.1	1217	324196	0	418	432	96 +	265	696	15014	15445
UN44468	Rsa1.0.03594.1	820	21868	1.00E-127	237	239	99 -	3	241	13099	13337
UN44469	Rsa1.0.00092.1	618	659932	7.00E-97	265	294	90 -	329	618	627134	627409
UN44470	Rsa1.0.00067.1	811	415055	0	479	479	100 -	328	806	38333	38811
UN44471	Rsa1.0.00191.1	700	316976	0	572	614	93 -	114	700	121972	122582
UN44472	Rsa1.0.03347.1	564	23588	7.00E-72	161	169	95 -	396	564	20420	20582
UN44473	Rsa1.0.03204.1	608	24622	1.00E-172	414	453	91 -	186	608	6109	6561
UN44474	Rsa1.0.00017.1	767	752458	3.00E-81	183	193	94 +	3	189	514866	515058
UN44475	Rsa1.0.00387.1	720	495407	1.00E-102	286	320	89 -	403	720	339991	340287
UN44476	Rsa1.0.01355.1	627	47303	0	579	591	97 -	41	627	25888	26478
UN44477	Rsa1.0.05398.1	501	13885	1.00E-152	390	423	92 +	70	489	12820	13228
UN44478	Rsa1.0.07905.1	909	8320	0	645	698	92 +	2	697	2479	3176
UN44479	Rsa1.0.01481.1	721	184562	1.00E-132	240	240	100 -	3	242	182559	182798
UN44480	Rsa1.0.00222.1	377	172263	9.00E-86	218	234	93 -	143	376	41926	42153
UN44481	Rsa1.0.00116.1	861	365886	0	611	612	99 +	1	611	323536	324147
UN44482	Rsa1.0.01889.1	956	37562	6.00E-95	177	177	100 -	5	181	22624	22800
UN44483	Rsa1.0.00127.1	486	127446	1.00E-130	272	283	96 +	204	485	35697	35979
UN44484	Rsa1.0.00115.1	844	131321	1.00E-92	244	270	90 +	56	325	34940	35197
UN44485	Rsa1.0.03297.1	760	23969	1.00E-122	278	297	93 +	464	760	3924	4209
UN44486	Rsa1.0.00113.1	670	131574	1.00E-154	292	296	98 +	3	298	51929	52223
UN44487	Rsa1.0.04786.1	1027	15988	0	391	391	100 -	1	391	1623	2013
UN44488	Rsa1.0.02168.1	1087	34367	0	458	460	99 -	4	462	15354	15813
UN44489	Rsa1.0.00134.1	703	390219	1.00E-169	338	348	97 -	360	703	230194	230541
UN44490	Rsa1.0.04048.1	748	19394	1.00E-113	500	600	83 -	79	639	6183	6748
UN44491	Rsa1.0.04945.1	1094	15370	0	837	872	95 +	225	1092	8767	9635
UN44492	Rsa1.0.02026.1	971	35896	0	591	624	94 +	353	971	22657	23273
UN44493	Rsa1.0.00070.1	899	150321	0	468	505	92 +	64	559	37003	37507
UN44494	Rsa1.0.02322.1	642	32555	0	376	388	96 +	199	586	6211	6598
UN44495	Rsa1.0.01026.1	693	171624	0	562	601	93 -	69	644	159970	160566
UN44496	Rsa1.0.00327.1	1099	94892	1.00E-147	319	335	95 +	3	336	34070	34401
UN44497	Rsa1.0.00243.1	767	103651	0	399	415	96 -	355	766	63730	64143

UN44498	Rsa1.0.00316.1	1033	96264	0	441	465	94 -	579	1032	30644	31108
UN44499	Rsa1.0.00977.1	546	198001	0	517	560	92 +	4	544	47124	47683
UN44500	Rsa1.0.02477.1	890	31058	0	586	593	98 -	55	647	24174	24766
UN44501	Rsa1.0.06386.1	623	140583	0	465	468	99 -	156	623	134603	135070
UN44502	Rsa1.0.01343.1	616	47735	1.00E-144	300	310	96 +	309	616	30311	30617
UN44503	Rsa1.0.00713.1	649	158017	0	401	418	95 +	225	640	153615	154031
UN44504	Rsa1.0.00679.1	611	68971	3.00E-68	171	179	95 -	436	610	65779	65956
UN44505	Rsa1.0.00124.1	604	262503	1.00E-156	357	378	94 -	227	602	16215	16583
UN44506	Rsa1.0.09414.1	770	6386	0	691	719	96 -	3	718	646	1349
UN44507	Rsa1.0.02290.1	1207	32971	0	424	428	99 +	3	430	21786	22213
UN44508	Rsa1.0.00198.1	1078	222963	0	978	1057	92 +	35	1078	138002	139043
UN44509	Rsa1.0.64999.1	406	353	2.00E-46	126	134	94 +	276	406	6	139
UN44510	Rsa1.0.01094.1	1012	167285	0	613	655	93 +	2	645	48824	49477
UN44511	Rsa1.0.02041.1	735	163634	0	612	694	88 +	47	711	11519	12192
UN44512	Rsa1.0.02114.1	1274	34873	1.00E-161	311	317	98 +	2	318	10832	11147
UN44513	Rsa1.0.02282.1	1095	163951	1.00E-111	441	515	85 +	580	1084	150167	150666
UN44514	Rsa1.0.02050.1	445	35570	0	414	437	94 -	14	445	30941	31372
UN44515	Rsa1.0.00082.1	759	237584	0	701	763	91 -	1	759	68507	69255
UN44516	Rsa1.0.02493.1	644	30854	1.00E-124	235	238	98 -	276	513	6059	6296
UN44517	Rsa1.0.01989.1	624	36439	2.00E-81	182	190	95 +	428	616	22889	23078
UN44518	Rsa1.0.01185.1	626	149842	1.00E-110	214	218	98 +	150	367	11147	11364
UN44519	Rsa1.0.30311.1	749	757	1.00E-172	324	329	98 +	3	329	215	543
UN44520	Rsa1.0.01036.1	545	55978	2.00E-84	243	266	91 -	285	545	26497	26757
UN44521	Rsa1.0.02874.1	1178	27070	1.00E-108	378	437	86 +	539	975	4915	5348
UN44522	Rsa1.0.00092.1	680	659932	4.00E-80	205	223	91 -	11	233	56364	56580
UN44523	Rsa1.0.01618.1	809	42118	1.00E-110	297	328	90 -	493	809	17381	17706
UN44524	Rsa1.0.00221.1	934	106972	1.00E-157	478	542	88 +	48	589	37064	37604
UN44525	Rsa1.0.05320.1	1028	14158	0	520	526	98 -	182	705	2257	2781
UN44526	Rsa1.0.00413.1	772	86921	0	387	399	96 -	376	772	20423	20821
UN44527	Rsa1.0.02310.1	564	32735	1.00E-178	362	377	96 -	2	378	30017	30393
UN44528	Rsa1.0.00407.1	839	191544	1.00E-174	387	406	95 -	433	838	155496	155891
UN44529	Rsa1.0.15363.1	465	2655	1.00E-164	377	403	93 +	69	464	1072	1473
UN44530	Rsa1.0.00485.1	843	80937	0	408	420	97 -	1	417	37393	37812
UN44531	Rsa1.0.00350.1	1013	92346	0	336	339	99 +	1	339	53921	54259
UN44532	Rsa1.0.00548.1	663	76518	4.00E-83	172	177	97 -	258	434	59496	59672
UN44533	Rsa1.0.00002.1	557	601661	0	529	546	96 -	1	546	442897	443442
UN44534	Rsa1.0.00391.1	677	183853	1.00E-128	312	333	93 +	1	326	68831	69162
UN44535	Rsa1.0.02299.1	725	32857	0	404	423	95 +	3	417	13726	14146
UN44536	Rsa1.0.02874.1	387	27070	2.00E-89	167	167	100 -	2	168	5450	5616

UN44537	Rsa1.0.02314.1	611	32642	1.00E-128	260	269	96 +	1	269	11563	11831
UN44538	Rsa1.0.00163.1	730	116847	1.00E-153	295	302	97 -	371	672	66573	66874
UN44539	Rsa1.0.01376.1	980	47004	1.00E-180	360	370	97 -	612	980	22413	22778
UN44540	Rsa1.0.00026.1	1221	327835	0	532	536	99 +	516	1051	43975	44510
UN44541	Rsa1.0.02565.1	1018	30046	0	867	918	94 +	92	990	272	1189
UN44542	Rsa1.0.01860.1	1249	38057	0	1211	1250	96 -	1	1248	9087	10336
UN44543	Rsa1.0.02813.1	527	27656	5.00E-82	180	187	96 +	347	527	25915	26101
UN44544	Rsa1.0.00710.1	730	67325	0	396	399	99 -	1	399	28163	28559
UN44545	Rsa1.0.30083.1	486	763	1.00E-136	280	290	96 +	6	295	32	320
UN44546	Rsa1.0.00015.1	1352	561803	0	457	470	97 +	2	467	178644	179113
UN44547	Rsa1.0.00277.1	475	100132	1.00E-140	258	260	99 -	38	297	8930	9189
UN44548	Rsa1.0.00026.1	721	327835	0	621	671	92 -	1	671	167371	168020
UN44549	Rsa1.0.24219.1	440	999	5.00E-23	93	104	89 +	35	138	605	702
UN44550	Rsa1.0.01153.1	739	52264	0	353	356	99 +	3	358	24198	24552
UN44551	Rsa1.0.02178.1	630	156197	0	390	400	97 +	172	571	1613	2012
UN44552	Rsa1.0.00645.1	878	189716	1.00E-128	233	233	100 -	1	233	148716	148948
UN44553	Rsa1.0.00857.1	625	61904	0	570	609	93 -	14	618	16875	17468
UN44554	Rsa1.0.02552.1	512	30191	2.00E-68	135	136	99 -	376	511	21394	21529
UN44555	Rsa1.0.04189.1	863	18584	1.00E-113	257	273	94 -	2	265	4224	4496
UN44556	Rsa1.0.01242.1	1130	50066	1.00E-112	218	222	98 +	908	1129	10743	10964
UN44557	Rsa1.0.01835.1	587	38542	1.00E-159	312	320	97 +	190	509	20857	21175
UN44558	Rsa1.0.00604.1	792	146282	1.00E-107	210	214	98 -	475	688	36992	37205
UN44559	Rsa1.0.01702.1	1391	40722	0	529	569	92 +	1	547	17609	18168
UN44560	Rsa1.0.11595.1	1095	5463	0	569	596	95 +	268	857	933	1521
UN44561	Rsa1.0.07696.1	805	8769	1.00E-144	297	309	96 -	499	803	6362	6670
UN44562	Rsa1.0.02387.1	1081	31890	6.00E-49	127	136	93 +	929	1064	30212	30347
UN44563	Rsa1.0.00247.1	989	103408	1.00E-166	320	328	97 +	359	686	69080	69407
UN44564	Rsa1.0.00646.1	1187	70473	0	898	935	96 +	191	1125	4441	5375
UN44565	Rsa1.0.01917.1	519	37303	1.00E-153	314	327	96 +	6	332	10103	10425
UN44566	Rsa1.0.01081.1	606	499226	8.00E-81	232	252	92 +	3	250	323232	323476
UN44567	Rsa1.0.01098.1	926	54215	1.00E-173	531	604	87 +	1	594	34601	35192
UN44568	Rsa1.0.00555.1	708	75920	0	572	600	95 +	23	620	51205	51801
UN44569	Rsa1.0.00403.1	637	87701	0	592	636	93 -	1	636	44847	45459
UN44570	Rsa1.0.00060.1	877	502678	1.00E-137	260	264	98 -	398	661	126419	126682
UN44571	Rsa1.0.00302.1	868	97521	0	700	775	90 +	32	804	92063	92829
UN44572	Rsa1.0.00192.1	708	278200	1.00E-179	340	345	98 -	362	706	11747	12088
UN44573	Rsa1.0.01234.1	838	50183	0	492	507	97 -	1	507	8898	9404
UN44574	Rsa1.0.05410.1	781	13840	0	607	667	91 +	1	637	5557	6219
UN44575	Rsa1.0.00370.1	829	90472	0	455	467	97 +	1	467	10132	10596

UN44576	Rsa1.0.02803.1	752	27715	1.00E-123	316	346	91 +	236	578	8863	9208
UN44577	Rsa1.0.11046.1	808	5635	8.00E-91	170	170	100 -	1	170	3263	3432
UN44578	Rsa1.0.01214.1	871	50599	0	412	430	95 +	3	430	35133	35561
UN44579	Rsa1.0.01277.1	813	49375	0	755	779	96 -	1	771	21421	22197
UN44580	Rsa1.0.00087.1	791	761073	1.00E-135	244	244	100 +	546	789	103404	103647
UN44581	Rsa1.0.00683.1	548	68638	1.00E-115	274	295	92 +	1	289	8513	8804
UN44582	Rsa1.0.02455.1	959	31262	0	653	700	93 -	63	739	25212	25902
UN44583	Rsa1.0.01193.1	868	51147	1.00E-154	316	328	96 +	394	721	15668	15993
UN44584	Rsa1.0.03826.1	873	20614	0	444	446	99 +	2	447	10707	11152
UN44585	Rsa1.0.01166.1	766	51877	1.00E-173	362	378	95 -	5	379	26795	27171
UN44586	Rsa1.0.06677.1	760	10560	1.00E-135	309	331	93 -	435	759	52	382
UN44587	Rsa1.0.02658.1	1106	28978	1.00E-161	319	328	97 +	1	328	11717	12043
UN44588	Rsa1.0.01778.1	1085	39509	2.33E-156	302	315	95 -	2	316	9400	9704
UN44589	Rsa1.0.04511.1	769	17032	1.00E-108	259	277	93 -	1	271	4974	5247
UN44590	Rsa1.0.00388.1	1066	88890	0	359	363	98 -	1	363	49408	49770
UN44591	Rsa1.0.00190.1	866	318240	1.00E-163	357	374	95 +	1	371	134849	135220
UN44592	Rsa1.0.08338.1	627	7511	0	577	629	91 +	4	625	393	989
UN44593	Rsa1.0.72029.1	680	318	1.00E-141	257	258	99 +	71	328	1	258
UN44594	Rsa1.0.02389.1	690	146428	0	437	446	97 -	243	688	137834	138279
UN44595	Rsa1.0.19044.1	589	1490	1.00E-134	243	243	100 -	1	243	1016	1258
UN44596	Rsa1.0.03711.1	705	21237	1.00E-176	325	329	98 -	377	705	19545	19873
UN44597	Rsa1.0.00094.1	695	139042	2.00E-97	199	205	97 -	348	552	118743	118947
UN44598	Rsa1.0.02735.1	1047	28344	0	437	473	92 -	576	1047	2751	3205
UN44599	Rsa1.0.03713.1	834	21221	0	426	453	94 +	5	452	10454	10903
UN44600	Rsa1.0.09168.1	413	6590	1.00E-127	250	254	98 -	5	258	5409	5659
UN44601	Rsa1.0.00979.1	736	57733	4.00E-77	199	215	92 +	191	405	1177	1390
UN44602	Rsa1.0.01164.1	959	51934	1.00E-124	241	246	97 +	85	330	610	855
UN44603	Rsa1.0.03004.1	548	26091	0	539	562	95 -	1	548	2456	3013
UN44604	Rsa1.0.00603.1	541	73299	0	455	469	97 -	1	468	32629	33096
UN44605	Rsa1.0.00191.1	887	316976	1.00E-127	267	279	95 -	232	510	145775	146053
UN44606	Rsa1.0.00612.1	1189	72376	0	552	575	96 +	1	574	54456	55020
UN44607	Rsa1.0.00090.1	785	273859	1.00E-100	189	190	99 +	218	407	36101	36290
UN44608	Rsa1.0.11907.1	381	5374	9.00E-89	184	190	96 -	191	380	177	366
UN44609	Rsa1.0.00245.1	844	103569	1.00E-92	185	189	97 -	656	844	13634	13822
UN44610	Rsa1.0.03241.1	880	24423	0	460	465	98 -	11	475	23915	24378
UN44611	Rsa1.0.00632.1	770	183777	0	411	423	97 +	322	744	37301	37723
UN44612	Rsa1.0.01124.1	616	53295	0	487	505	96 +	1	502	25546	26048
UN44613	Rsa1.0.01934.1	1163	37162	1.00E-171	324	330	98 +	1	326	1839	2168
UN44614	Rsa1.0.00985.1	1277	161950	0	774	778	99 +	1	778	16469	17246

UN44615	Rsa1.0.03722.1	947	21184	0	942	946	99 -	1	945	19983	20927
UN44616	Rsa1.0.01119.1	1279	53459	1.00E-117	217	218	99 -	359	576	23345	23562
UN44617	Rsa1.0.08986.1	844	6733	0	473	496	95 -	349	841	5029	5514
UN44618	Rsa1.0.02180.1	560	34176	0	460	466	98 -	1	465	17502	17967
UN44619	Rsa1.0.00065.1	1172	454616	0	361	369	97 -	3	371	191624	191992
UN44620	Rsa1.0.00804.1	884	63726	0	440	452	97 +	1	440	15916	16367
UN44621	Rsa1.0.00416.1	930	86772	1.00E-173	348	356	97 -	1	352	41330	41684
UN44622	Rsa1.0.02406.1	766	145276	1.00E-123	228	229	99 +	1	229	7574	7802
UN44623	Rsa1.0.00025.1	995	277312	1.00E-104	366	424	86 -	570	993	259206	259629
UN44624	Rsa1.0.05884.1	717	12337	0	654	696	93 +	4	687	11642	12337
UN44625	Rsa1.0.04169.1	909	18712	7.00E-70	147	151	97 +	423	573	3817	3967
UN44626	Rsa1.0.00035.1	1102	176449	1.00E-170	366	383	95 +	721	1102	156806	157185
UN44627	Rsa1.0.08250.1	686	7658	0	621	676	91 -	4	671	3868	4535
UN44628	Rsa1.0.00244.1	1250	103590	0	1094	1173	93 +	3	1158	77045	78216
UN44629	Rsa1.0.03199.1	791	24640	0	424	427	99 -	1	427	16315	16741
UN44630	Rsa1.0.01425.1	762	46136	1.00E-165	304	307	99 +	1	307	34291	34597
UN44631	Rsa1.0.00594.1	745	73729	0	708	759	93 +	1	743	27060	27816
UN44632	Rsa1.0.01560.1	851	43256	1.00E-105	213	218	97 -	18	233	30828	31045
UN44633	Rsa1.0.01949.1	1284	36960	1.00E-179	396	420	94 -	5	421	27763	28176
UN44634	Rsa1.0.00087.1	839	761073	0	521	551	94 +	201	748	357392	357933
UN44635	Rsa1.0.04079.1	750	19202	0	534	576	92 +	4	576	16215	16772
UN44636	Rsa1.0.00476.1	644	280966	1.00E-171	326	333	97 -	312	644	157078	157405
UN44637	Rsa1.0.05441.1	459	13742	1.00E-94	248	273	90 -	1	264	11330	11593
UN44638	Rsa1.0.00710.1	307	67325	1.00E-105	240	254	94 -	7	259	1773	2022
UN44639	Rsa1.0.00635.1	706	175826	0	444	454	97 -	2	454	122704	123155
UN44640	Rsa1.0.00436.1	408	85008	2.00E-31	103	114	90 -	293	406	64255	64368
UN44641	Rsa1.0.04021.1	701	19536	1.00E-119	220	221	99 -	3	223	4926	5146
UN44642	Rsa1.0.00364.1	825	90951	1.00E-168	331	342	96 +	56	391	49205	49546
UN44643	Rsa1.0.08424.1	975	7375	0	470	486	96 +	104	589	4052	4533
UN44644	Rsa1.0.00192.1	586	278200	0	557	572	97 -	2	573	273279	273850
UN44645	Rsa1.0.02430.1	1078	31506	0	1063	1077	98 +	1	1076	12907	13981
UN44646	Rsa1.0.00841.1	782	183065	1.00E-131	259	265	97 +	5	268	1041	1305
UN44647	Rsa1.0.05545.1	802	13379	0	629	669	94 +	124	792	11237	11902
UN44648	Rsa1.0.00818.1	593	62939	0	559	599	93 -	1	592	36548	37127
UN44649	Rsa1.0.00058.1	437	159921	8.00E-65	182	194	93 -	85	276	136723	136913
UN44650	Rsa1.0.00713.1	603	158017	1.00E-156	306	314	97 -	69	379	153615	153928
UN44651	Rsa1.0.00146.1	809	149343	1.00E-128	245	249	98 -	270	518	81705	81953
UN44652	Rsa1.0.01896.1	803	37512	0	584	610	95 -	1	610	19518	20127
UN44653	Rsa1.0.00211.1	475	228189	1.00E-100	207	214	96 +	1	214	151721	151934

UN44654	Rsa1.0_00409.1	702	146788	0	418	449	93 -	235	683	84613	85061
UN44655	Rsa1.0_59435.1	753	385	1.00E-135	258	261	98 -	248	507	3	263
UN44656	Rsa1.0_01789.1	760	39250	0	436	457	95 +	3	456	6152	6607
UN44657	Rsa1.0_00025.1	895	277312	2.00E-85	202	212	95 -	106	317	153562	153769
UN44658	Rsa1.0_00483.1	1064	81102	1.00E-175	383	403	95 -	494	895	50366	50766
UN44659	Rsa1.0_00273.1	543	326186	1.00E-150	325	341	95 -	13	352	110417	110755
UN44660	Rsa1.0_01506.1	989	44370	1.00E-99	282	314	89 +	9	320	34097	34398
UN44661	Rsa1.0_03024.1	424	25931	0	350	354	98 -	70	423	11834	12187
UN44662	Rsa1.0_01466.1	903	45161	1.00E-162	301	305	98 -	2	306	28487	28791
UN44663	Rsa1.0_00278.1	886	231896	0	448	476	94 +	243	716	21557	22018
UN44664	Rsa1.0_01923.1	480	37233	2.00E-74	160	166	96 +	303	468	28508	28673
UN44665	Rsa1.0_00675.1	990	145590	0	879	991	88 -	32	988	28279	29231
UN44666	Rsa1.0_03181.1	1121	24763	1.00E-123	268	280	95 +	1	275	15087	15363
UN44667	Rsa1.0_04880.1	665	15612	6.00E-85	220	238	92 -	34	267	1	238
UN44668	Rsa1.0_02234.1	800	33618	1.00E-175	471	519	90 +	10	526	4038	4534
UN44669	Rsa1.0_00543.1	773	76788	0	570	621	91 -	1	592	35920	36538
UN44670	Rsa1.0_00396.1	931	88242	1.00E-135	262	265	98 +	1	265	6402	6664
UN44671	Rsa1.0_10199.1	698	5948	0	464	476	97 -	2	476	5363	5838
UN44672	Rsa1.0_02662.1	1389	28956	0	1174	1175	99 +	212	1385	8640	9814
UN44673	Rsa1.0_02931.1	782	26654	1.00E-105	194	194	100 +	1	194	1075	1268
UN44674	Rsa1.0_00047.1	881	168582	0	581	614	94 +	1	610	32495	33099
UN44675	Rsa1.0_00305.1	639	97308	2.00E-88	228	242	94 -	225	465	91981	92213
UN44676	Rsa1.0_01920.1	799	158533	0	361	368	98 +	1	368	31676	32043
UN44677	Rsa1.0_00275.1	878	210104	1.00E-102	205	210	97 -	593	802	164586	164795
UN44678	Rsa1.0_00471.1	1145	81897	0	400	410	97 -	3	409	36198	36605
UN44679	Rsa1.0_00402.1	922	385315	1.00E-141	275	282	97 -	80	361	76818	77099
UN44680	Rsa1.0_04004.1	463	19594	0	441	460	95 +	2	461	15178	15634
UN44681	Rsa1.0_01904.1	543	37450	0	478	508	94 +	1	501	1940	2444
UN44682	Rsa1.0_00477.1	845	81556	1.00E-110	236	247	95 -	474	720	21683	21929
UN44683	Rsa1.0_01272.1	780	49553	1.00E-116	254	266	95 +	3	267	36853	37115
UN44684	Rsa1.0_08001.1	1056	8095	1.00E-116	255	267	95 -	227	489	7784	8050
UN44685	Rsa1.0_00220.1	988	192936	0	410	426	96 +	372	791	16394	16819
UN44686	Rsa1.0_02254.1	690	33344	1.00E-147	298	308	96 -	1	308	4778	5084
UN44687	Rsa1.0_00034.1	665	260119	0	403	418	96 +	9	426	15171	15586
UN44688	Rsa1.0_00086.1	776	439854	1.00E-136	275	285	96 -	10	288	326612	326896
UN44689	Rsa1.0_03188.1	758	24722	1.00E-178	467	515	90 -	4	511	9229	9721
UN44690	Rsa1.0_00675.1	478	145590	1.00E-147	374	413	90 -	3	412	28833	29220
UN44691	Rsa1.0_00265.1	588	220635	7.00E-75	146	147	99 -	2	148	4993	5139
UN44692	Rsa1.0_01340.1	949	47805	4.00E-68	269	315	85 +	30	332	20624	20919

UN44693	Rsa1.0_04238.1	1137	18352	0	403	415	97 -	3	412	8709	9121
UN44694	Rsa1.0_06168.1	753	11580	1.00E-138	392	439	89 -	1	419	8500	8924
UN44695	Rsa1.0_00016.1	823	831256	1.00E-145	309	324	95 +	303	626	253037	253357
UN44696	Rsa1.0_02229.1	812	33672	4.00E-74	172	182	94 +	484	665	17849	18030
UN44697	Rsa1.0_02848.1	712	27329	0	456	480	95 +	1	471	12574	13050
UN44698	Rsa1.0_07630.1	488	8988	1.00E-180	409	434	94 -	5	429	4068	4495
UN44699	Rsa1.0_00951.1	1046	164588	0	802	844	95 +	3	840	126399	127237
UN44700	Rsa1.0_00300.1	748	97747	1.00E-159	327	341	95 -	118	458	31675	32015
UN44701	Rsa1.0_00081.1	638	143261	0	607	642	94 -	1	636	123489	124124
UN44702	Rsa1.0_01126.1	795	53127	0	493	519	94 -	1	517	7555	8062
UN44703	Rsa1.0_00878.1	657	330303	1.00E-147	326	346	94 -	147	492	148561	148903
UN44704	Rsa1.0_01077.1	654	54772	0	378	390	96 +	1	389	51244	51629
UN44705	Rsa1.0_00013.1	1256	292129	0	501	514	97 -	585	1097	166626	167139
UN44706	Rsa1.0_04142.1	612	18861	1.00E-125	236	239	98 +	278	516	13126	13364
UN44707	Rsa1.0_00724.1	923	66789	0	591	622	95 -	320	922	4424	5045
UN44708	Rsa1.0_00410.1	739	86957	1.00E-140	344	369	93 -	1	364	28659	29023
UN44709	Rsa1.0_00480.1	865	81325	0	375	381	98 -	300	680	4443	4823
UN44710	Rsa1.0_15018.1	775	2889	1.00E-143	282	290	97 -	232	521	2384	2673
UN44711	Rsa1.0_00344.1	782	191774	0	556	582	95 -	12	589	155554	156135
UN44712	Rsa1.0_00034.1	1000	260119	1.00E-162	410	448	91 -	40	471	28435	28879
UN44713	Rsa1.0_00047.1	917	168582	0	366	374	97 +	4	377	53932	54305
UN44714	Rsa1.0_03477.1	769	22635	0	422	422	100 -	3	424	5497	5918
UN44715	Rsa1.0_01553.1	726	43379	1.00E-120	283	304	93 -	7	297	26451	26753
UN44716	Rsa1.0_00071.1	581	345714	2.00E-75	164	170	96 -	203	369	22243	22412
UN44717	Rsa1.0_01244.1	776	50061	0	479	494	96 -	35	527	45952	46442
UN44718	Rsa1.0_04626.1	1065	16611	0	614	640	95 -	1	640	14781	15412
UN44719	Rsa1.0_09063.1	732	6675	1.00E-175	397	425	93 +	1	412	1754	2178
UN44720	Rsa1.0_00045.1	627	328694	1.00E-173	329	336	97 -	281	616	186934	187269
UN44721	Rsa1.0_01824.1	812	38733	1.00E-112	224	230	97 +	351	580	8413	8642
UN44722	Rsa1.0_00205.1	868	193401	0	412	435	94 -	56	482	92527	92958
UN44723	Rsa1.0_00006.1	638	396176	1.00E-100	269	292	92 +	1	291	275878	276159
UN44724	Rsa1.0_00017.1	742	752458	2.00E-91	194	201	96 -	204	401	274013	274213
UN44725	Rsa1.0_03925.1	710	20025	1.00E-167	344	356	96 +	332	687	3816	4166
UN44726	Rsa1.0_00077.1	1202	145005	0	593	602	98 -	599	1200	89588	90189
UN44727	Rsa1.0_02085.1	752	35198	1.00E-107	235	245	95 +	5	248	15845	16087
UN44728	Rsa1.0_00043.1	758	264937	0	653	687	95 -	1	670	8942	9628
UN44729	Rsa1.0_02103.1	702	35006	1.00E-121	259	269	96 -	3	270	24076	24343
UN44730	Rsa1.0_01338.1	782	155644	1.00E-126	256	265	96 +	517	781	142949	143213
UN44731	Rsa1.0_03425.1	433	23043	1.00E-156	291	295	98 -	38	332	21793	22087

UN44732	Rsa1.0.00019.1	799	301669	0	765	795	96 -	3	797	237106	237896
UN44733	Rsa1.0.00639.1	689	165873	0	667	692	96 -	1	688	164511	165200
UN44734	Rsa1.0.01539.1	555	43698	1.00E-91	187	191	97 +	363	552	6460	6650
UN44735	Rsa1.0.00128.1	528	228675	0	515	528	97 -	1	526	11663	12188
UN44736	Rsa1.0.00770.1	821	64900	1.00E-153	290	295	98 -	229	523	9808	10102
UN44737	Rsa1.0.03338.1	666	136346	0	429	446	96 -	7	444	2767	3209
UN44738	Rsa1.0.00253.1	685	231292	3.00E-59	120	121	99 -	147	267	86232	86352
UN44739	Rsa1.0.00082.1	705	237584	0	518	557	92 +	21	575	68443	68996
UN44740	Rsa1.0.02586.1	677	29856	1.00E-103	211	218	96 +	220	437	6810	7027
UN44741	Rsa1.0.02874.1	511	27070	6.00E-38	99	105	94 +	395	499	6372	6476
UN44742	Rsa1.0.02991.1	880	26178	1.00E-65	239	270	88 +	5	261	6959	7224
UN44743	Rsa1.0.02360.1	1109	32203	0	619	629	98 -	481	1109	23953	24578
UN44744	Rsa1.0.00002.1	1168	601661	0	472	477	98 -	1	475	289129	289605
UN44745	Rsa1.0.02231.1	590	33661	1.00E-106	230	239	96 +	2	238	33347	33585
UN44746	Rsa1.0.03890.1	733	20223	2.00E-66	178	193	92 +	260	452	3665	3856
UN44747	Rsa1.0.14714.1	1167	3134	1.00E-138	297	313	94 +	1	313	2833	3134
UN44748	Rsa1.0.00198.1	1074	222963	1.00E-104	219	228	96 +	3	230	125340	125567
UN44749	Rsa1.0.00056.1	708	332604	1.00E-160	365	388	94 -	318	702	231642	232022
UN44750	Rsa1.0.00694.1	557	68074	1.00E-121	273	287	95 +	3	284	60990	61276
UN44751	Rsa1.0.00282.1	686	177799	2.00E-45	101	102	99 +	2	103	92822	92922
UN44752	Rsa1.0.00107.1	392	431659	1.00E-165	320	325	98 -	62	384	298694	299015
UN44753	Rsa1.0.01691.1	363	40921	1.00E-100	237	254	93 -	3	241	5888	6141
UN44754	Rsa1.0.00909.1	685	59976	1.00E-147	341	366	93 +	1	364	56371	56724
UN44755	Rsa1.0.00002.1	737	601661	0	417	447	93 +	1	447	240873	241305
UN44756	Rsa1.0.02093.1	673	35125	1.00E-134	285	299	95 -	380	673	25142	25440
UN44757	Rsa1.0.02769.1	705	28107	0	378	387	97 -	3	388	7186	7569
UN44758	Rsa1.0.02908.1	607	26859	1.00E-176	365	379	96 -	2	377	9465	9841
UN44759	Rsa1.0.02848.1	534	27329	1.00E-107	218	225	96 -	108	332	8638	8862
UN44760	Rsa1.0.01667.1	900	41315	0	720	772	93 +	1	765	3035	3792
UN44761	Rsa1.0.01565.1	1363	155447	0	469	481	97 -	688	1168	1771	2251
UN44762	Rsa1.0.02955.1	899	26484	8.00E-82	280	316	88 -	3	315	21585	21885
UN44763	Rsa1.0.01263.1	763	49703	1.00E-155	327	342	95 -	2	343	42751	43091
UN44764	Rsa1.0.00116.1	502	365886	4.00E-67	158	166	95 -	9	173	130174	130339
UN44765	Rsa1.0.00213.1	477	108167	2.00E-65	251	289	86 -	1	260	39822	40109
UN44766	Rsa1.0.02174.1	843	34316	2.00E-60	165	179	92 -	106	281	13678	13853
UN44767	Rsa1.0.00228.1	544	105511	1.00E-142	279	286	97 -	1	283	66874	67159
UN44768	Rsa1.0.00012.1	802	222148	1.00E-131	350	387	90 +	2	368	49592	49974
UN44769	Rsa1.0.01292.1	765	175783	0	660	684	96 +	8	691	145973	146655
UN44770	Rsa1.0.01552.1	617	43396	4.00E-98	209	217	96 -	333	549	11645	11859

UN44771	Rsa1.0.00318.1	387	96094	6.00E-96	181	182	99 -	1	182	29707	29888
UN44772	Rsa1.0.00811.1	1125	63242	0	392	413	94 -	718	1123	30464	30876
UN44773	Rsa1.0.00962.1	758	184909	0	711	742	95 -	2	743	12657	13398
UN44774	Rsa1.0.02350.1	690	32309	0	661	689	95 -	1	687	14829	15505
UN44775	Rsa1.0.00344.1	598	191774	6.00E-94	187	191	97 +	202	392	156563	156753
UN44776	Rsa1.0.04033.1	946	19481	2.00E-67	198	225	88 +	44	268	5000	5205
UN44777	Rsa1.0.01425.1	914	46136	1.00E-159	307	313	98 +	1	313	34286	34597
UN44778	Rsa1.0.00040.1	813	324196	1.00E-156	334	351	95 -	63	412	224533	224883
UN44779	Rsa1.0.00883.1	835	61230	1.00E-133	526	617	85 -	214	828	7614	8229
UN44780	Rsa1.0.01272.1	863	49553	1.00E-123	290	307	94 +	561	862	37758	38063
UN44781	Rsa1.0.00089.1	730	406142	0	400	412	97 +	16	427	58408	58818
UN44782	Rsa1.0.02008.1	894	36109	1.00E-138	255	257	99 +	6	262	16940	17196
UN44783	Rsa1.0.00985.1	977	161950	0	426	441	96 -	535	975	141792	142228
UN44784	Rsa1.0.00204.1	1155	109056	2.00E-86	178	183	97 +	832	1014	95382	95564
UN44785	Rsa1.0.04134.1	731	149811	0	526	556	94 -	1	556	135585	136128
UN44786	Rsa1.0.00434.1	688	85171	2.00E-75	176	186	94 -	501	686	65159	65341
UN44787	Rsa1.0.39138.1	1227	575	1.00E-144	325	340	95 -	1	336	1	339
UN44788	Rsa1.0.01825.1	717	38725	0	551	587	93 +	26	611	26370	26947
UN44789	Rsa1.0.02045.1	740	35650	0	499	541	92 +	214	740	23658	24183
UN44790	Rsa1.0.03137.1	868	25105	1.00E-151	281	284	98 -	581	864	12703	12986
UN44791	Rsa1.0.01964.1	774	36702	1.00E-157	400	429	93 +	1	416	6957	7379
UN44792	Rsa1.0.00179.1	1060	393324	0	518	520	99 +	1	519	296521	297040
UN44793	Rsa1.0.02862.1	534	27163	1.00E-134	268	275	97 +	1	275	21439	21712
UN44794	Rsa1.0.03618.1	761	21744	1.00E-137	257	259	99 +	1	259	11063	11319
UN44795	Rsa1.0.00329.1	507	222544	1.00E-133	290	304	95 +	1	300	79576	79875
UN44796	Rsa1.0.05874.1	849	12351	0	431	444	97 +	177	620	9389	9832
UN44797	Rsa1.0.00038.1	836	314568	1.00E-105	298	327	91 +	518	833	16997	17320
UN44798	Rsa1.0.00013.1	698	292129	1.00E-105	225	233	96 -	2	234	159602	159831
UN44799	Rsa1.0.00008.1	1194	358124	0	647	686	94 -	514	1194	196704	197386
UN44800	Rsa1.0.00061.1	741	218685	0	507	523	96 +	1	518	2083	2605
UN44801	Rsa1.0.03221.1	651	24535	1.00E-166	340	353	96 -	2	353	18929	19281
UN44802	Rsa1.0.00301.1	733	365315	0	376	383	98 -	272	654	214376	214758
UN44803	Rsa1.0.02935.1	504	26621	1.00E-117	227	230	98 +	1	230	24440	24668
UN44804	Rsa1.0.04741.1	629	16164	2.00E-87	205	216	94 +	1	216	7162	7370
UN44805	Rsa1.0.08429.1	836	7370	1.00E-154	291	296	98 +	1	296	5457	5752
UN44806	Rsa1.0.00326.1	1224	171955	0	452	456	99 +	1	456	89140	89595
UN44807	Rsa1.0.00133.1	799	123768	0	782	799	97 -	1	798	66298	67096
UN44808	Rsa1.0.04161.1	520	18788	1.00E-139	273	279	97 -	170	448	9630	9907
UN44809	Rsa1.0.01185.1	1015	149842	0	734	740	99 -	1	740	2504	3243

UN44810	Rsa1.0.00632.1	834	183777	0	819	827	99 +	1	825	36443	37267
UN44811	Rsa1.0.00800.1	539	63868	0	422	434	97 -	9	441	12647	13077
UN44812	Rsa1.0.64802.1	808	354	1.00E-171	313	315	99 -	1	313	1	315
UN44813	Rsa1.0.00258.1	737	102381	0	476	488	97 -	9	496	41725	42212
UN44814	Rsa1.0.04882.1	756	15606	1.00E-123	242	248	97 +	240	487	7553	7800
UN44815	Rsa1.0.01991.1	614	36425	1.00E-76	155	158	98 +	373	530	8630	8787
UN44816	Rsa1.0.00502.1	602	204180	1.00E-122	265	278	95 +	3	280	181152	181428
UN44817	Rsa1.0.00539.1	536	76926	0	535	536	99 -	1	536	68498	69033
UN44818	Rsa1.0.00888.1	667	60978	1.00E-166	333	344	96 -	190	533	54512	54854
UN44819	Rsa1.0.01635.1	670	41865	0	529	539	98 +	131	668	16055	16592
UN44820	Rsa1.0.02967.1	601	26395	1.00E-173	328	334	98 -	1	331	20341	20674
UN44821	Rsa1.0.00909.1	828	59976	0	448	448	100 -	1	448	4592	5039
UN44822	#	#	#	#	#	#	#	#	#	#	#
UN44823	Rsa1.0.00184.1	632	218748	1.00E-115	303	332	91 -	309	621	213949	214279
UN44824	Rsa1.0.00790.1	615	148693	1.00E-148	289	296	97 -	269	561	17540	17835
UN44825	Rsa1.0.02694.1	839	28610	1.00E-169	380	404	94 +	175	572	6542	6943
UN44826	Rsa1.0.00204.1	840	109056	2.00E-85	227	247	91 -	144	384	95321	95564
UN44827	Rsa1.0.00001.1	788	363028	1.00E-174	398	430	92 -	1	428	315496	315910
UN44828	Rsa1.0.00413.1	811	86921	1.00E-144	351	384	91 -	3	383	34661	35019
UN44829	Rsa1.0.00001.1	836	363028	1.00E-165	328	334	98 +	5	334	153219	153551
UN44830	Rsa1.0.14741.1	370	3112	9.00E-92	216	227	95 +	144	369	122	346
UN44831	Rsa1.0.00038.1	615	314568	0	431	435	99 +	181	615	209873	210306
UN44832	Rsa1.0.01509.1	750	44258	0	714	745	95 -	15	750	34098	34841
UN44833	Rsa1.0.00788.1	756	64237	1.00E-103	191	191	100 +	191	381	1094	1284
UN44834	Rsa1.0.00106.1	759	133916	0	721	745	96 -	23	759	20056	20800
UN44835	Rsa1.0.01165.1	952	51898	1.00E-128	295	315	93 +	598	912	51405	51711
UN44836	Rsa1.0.00810.1	845	63289	0	411	421	97 -	5	416	57632	58052
UN44837	Rsa1.0.01536.1	679	43747	1.00E-147	296	305	97 +	362	666	24193	24496
UN44838	Rsa1.0.02022.1	752	35923	1.00E-128	318	344	92 -	3	344	5722	6049
UN44839	Rsa1.0.00835.1	901	278058	0	563	570	98 -	2	568	35713	36282
UN44840	Rsa1.0.00111.1	604	390088	1.00E-125	228	228	100 -	2	229	321110	321337
UN44841	Rsa1.0.24219.1	501	999	3.00E-21	93	105	88 +	3	107	605	703
UN44842	Rsa1.0.00341.1	1011	249309	1.00E-126	283	298	94 -	251	546	6207	6504
UN44843	Rsa1.0.02400.1	762	31750	0	474	488	97 -	2	489	4649	5136
UN44844	Rsa1.0.03887.1	1095	20247	0	393	394	99 +	700	1093	4347	4740
UN44845	Rsa1.0.00507.1	937	79074	0	387	395	97 +	543	937	24837	25231
UN44846	Rsa1.0.04369.1	540	17703	1.00E-141	288	300	96 -	238	537	9577	9869
UN44847	Rsa1.0.16063.1	879	2301	0	424	436	97 +	413	842	1866	2301
UN44848	Rsa1.0.03780.1	632	20899	6.00E-51	119	123	96 +	182	303	452	574

UN44849	Rsa1.0.00110.1	672	132719	0	390	395	98 -	1	395	6883	7276
UN44850	Rsa1.0.00087.1	944	761073	1.00E-176	353	366	96 -	578	943	621071	621436
UN44851	Rsa1.0.06124.1	848	11681	0	705	706	99 -	1	706	6976	7681
UN44852	Rsa1.0.00112.1	659	132199	1.00E-115	314	342	91 +	293	625	118955	119289
UN44853	Rsa1.0.01895.1	577	37512	1.00E-103	194	195	99 -	381	575	9145	9339
UN44854	Rsa1.0.12809.1	1044	5119	0	622	659	94 +	387	1042	4130	4779
UN44855	Rsa1.0.00056.1	692	332604	0	362	369	98 +	3	371	214184	214552
UN44856	Rsa1.0.01943.1	1101	37042	1.00E-157	362	385	94 +	1	384	4724	5105
UN44857	Rsa1.0.00561.1	904	75653	0	803	816	98 +	4	819	66759	67571
UN44858	Rsa1.0.01648.1	493	41635	0	362	370	97 +	125	491	29251	29620
UN44859	Rsa1.0.06092.1	934	11756	0	486	502	96 -	1	500	2635	3135
UN44860	Rsa1.0.00848.1	746	152362	0	462	491	94 +	8	496	57384	57865
UN44861	Rsa1.0.03093.1	775	25445	0	719	740	97 +	1	731	1791	2530
UN44862	Rsa1.0.01529.1	870	43871	0	448	455	98 +	1	455	38227	38678
UN44863	Rsa1.0.00425.1	1304	147080	0	1105	1150	96 +	185	1304	75798	76943
UN44864	Rsa1.0.00087.1	785	761073	0	389	400	97 +	273	672	357392	357791
UN44865	Rsa1.0.01506.1	577	44370	0	439	472	93 +	1	464	17889	18360
UN44866	Rsa1.0.01875.1	536	37849	1.00E-147	275	277	99 -	3	279	25024	25299
UN44867	Rsa1.0.00010.1	1452	294827	0	432	435	99 -	1018	1450	132223	132657
UN44868	Rsa1.0.08559.1	905	7197	0	401	403	99 -	499	901	2885	3287
UN44869	Rsa1.0.01116.1	762	142088	0	671	700	95 +	1	695	129741	130438
UN44870	Rsa1.0.00221.1	1071	106972	0	1020	1079	94 +	2	1068	17339	18399
UN44871	Rsa1.0.01997.1	767	158416	5.00E-98	264	284	92 -	2	281	7533	7812
UN44872	Rsa1.0.02757.1	645	28187	0	504	512	98 -	1	510	16150	16661
UN44873	Rsa1.0.02961.1	734	26435	0	537	555	96 +	1	554	3391	3943
UN44874	Rsa1.0.03005.1	763	26082	1.00E-172	335	343	97 +	32	373	23208	23550
UN44875	Rsa1.0.07849.1	757	8425	1.00E-151	327	341	95 +	1	341	3622	3956
UN44876	Rsa1.0.06563.1	922	10765	1.00E-175	338	346	97 +	577	919	2187	2532
UN44877	Rsa1.0.01390.1	728	46695	0	336	336	100 +	1	336	1306	1641
UN44878	Rsa1.0.00716.1	519	67078	0	462	494	93 +	35	519	37528	38021
UN44879	Rsa1.0.04130.1	803	18924	1.00E-157	307	314	97 +	1	314	10839	11151
UN44880	Rsa1.0.04326.1	1169	17884	1.00E-161	289	289	100 -	3	291	6161	6449
UN44881	Rsa1.0.00195.1	836	251884	0	549	567	96 -	274	834	209490	210050
UN44882	Rsa1.0.00237.1	689	235974	0	412	412	100 -	4	415	225556	225967
UN44883	Rsa1.0.00049.1	927	167018	0	517	517	100 -	3	519	134071	134587
UN44884	Rsa1.0.00579.1	1106	148308	0	363	364	99 +	3	366	66656	67019
UN44885	Rsa1.0.00415.1	668	86795	0	433	444	97 +	228	668	75174	75617
UN44886	Rsa1.0.00579.1	663	148308	1.00E-160	375	401	93 +	3	398	66632	67027
UN44887	Rsa1.0.00285.1	654	149638	1.00E-166	338	352	96 -	1	348	109850	110195

UN44888	Rsa1.0_01786.1	780	133324	0	705	727	96 -	23	745	116689	117414
UN44889	Rsa1.0_01895.1	870	37512	1.00E-112	235	241	97 -	117	356	33809	34046
UN44890	Rsa1.0_06388.1	737	11110	0	367	376	97 +	1	376	10731	11106
UN44891	Rsa1.0_18032.1	719	1686	1.00E-112	206	206	100 -	379	584	1291	1496
UN44892	Rsa1.0_04934.1	554	143962	0	523	556	94 +	3	552	141883	142435
UN44893	Rsa1.0_00854.1	1032	62100	0	989	1037	95 -	3	1030	48088	49106
UN44894	Rsa1.0_01188.1	1017	51362	0	1015	1016	99 +	1	1016	47219	48234
UN44895	Rsa1.0_00047.1	696	168582	0	331	332	99 +	2	333	87631	87962
UN44896	Rsa1.0_22508.1	815	1115	1.00E-92	196	203	96 +	507	706	903	1105
UN44897	Rsa1.0_00101.1	812	267193	1.00E-132	257	263	97 -	289	551	3820	4082
UN44898	Rsa1.0_01650.1	597	41589	0	528	577	91 -	28	595	34730	35299
UN44899	Rsa1.0_00690.1	761	140527	0	522	564	92 -	1	558	33220	33782
UN44900	Rsa1.0_08744.1	756	6970	0	616	630	97 +	1	630	5305	5934
UN44901	Rsa1.0_11595.1	807	5463	1.00E-177	314	314	100 +	1	314	505	818
UN44902	Rsa1.0_00027.1	605	283362	0	554	600	92 +	1	600	272312	272893
UN44903	Rsa1.0_00604.1	652	146282	5.00E-70	141	143	98 +	27	169	112705	112847
UN44904	Rsa1.0_01752.1	656	39805	3.00E-59	249	291	85 -	43	325	20927	21216
UN44905	Rsa1.0_00772.1	662	64856	1.00E-137	250	251	99 +	164	414	53272	53522
UN44906	Rsa1.0_00184.1	649	218748	1.00E-165	310	315	98 +	2	316	213969	214279
UN44907	Rsa1.0_01712.1	526	154210	1.00E-170	303	303	100 -	3	305	25257	25559
UN44908	Rsa1.0_05140.1	939	14710	0	400	402	99 +	284	685	9862	10263
UN44909	Rsa1.0_01825.1	818	38725	7.00E-45	162	182	89 -	231	407	21837	22017
UN44910	Rsa1.0_48565.1	941	466	0	340	341	99 +	3	343	99	439
UN44911	Rsa1.0_00019.1	812	301669	0	756	830	91 -	2	810	127116	127930
UN44912	Rsa1.0_00019.1	739	301669	0	413	414	99 -	324	737	17829	18242
UN44913	Rsa1.0_01958.1	787	261128	1.00E-118	252	264	95 -	522	785	133736	133999
UN44914	Rsa1.0_17040.1	553	1944	1.00E-152	279	281	99 -	25	305	1324	1604
UN44915	Rsa1.0_02573.1	512	29955	0	371	371	100 +	1	371	9317	9687
UN44916	Rsa1.0_00058.1	739	159921	1.00E-144	262	263	99 +	1	263	150865	151127
UN44917	Rsa1.0_00112.1	851	132199	1.00E-145	342	364	93 -	2	362	56151	56507
UN44918	Rsa1.0_00830.1	793	62685	0	496	530	93 -	246	769	56995	57512
UN44919	Rsa1.0_00546.1	985	76523	0	702	772	90 +	223	985	73519	74278
UN44920	Rsa1.0_03633.1	700	21644	1.00E-117	224	226	99 +	476	700	18297	18522
UN44921	Rsa1.0_00208.1	1054	108565	1.00E-137	269	276	97 +	98	373	7693	7968
UN44922	Rsa1.0_00097.1	944	138858	1.00E-179	319	319	100 +	626	944	65577	65895
UN44923	Rsa1.0_00204.1	801	109056	0	546	554	98 -	1	553	17525	18075
UN44924	Rsa1.0_00819.1	986	62918	0	572	605	94 -	241	830	33028	33631
UN44925	Rsa1.0_09270.1	902	6513	0	877	917	95 +	1	895	5290	6201
UN44926	Rsa1.0_01836.1	839	38503	0	387	400	96 -	385	784	28287	28685

UN44927	Rsa1.0.00387.1	755	495407	0	425	426	99 +	328	753	224934	225359
UN44928	Rsa1.0.02425.1	1178	31567	0	862	874	98 -	303	1176	7389	8262
UN44929	Rsa1.0.02955.1	585	26484	0	531	582	91 -	1	550	13371	13945
UN44930	Rsa1.0.09363.1	828	6425	1.00E-125	237	239	99 +	339	576	5732	5970
UN44931	Rsa1.0_10503.1	1102	5824	1.00E-135	264	269	98 +	1	268	1994	2262
UN44932	Rsa1.0_03664.1	548	21487	1.00E-131	276	288	95 -	3	287	7897	8180
UN44933	Rsa1.0.00135.1	454	178077	0	453	453	100 +	2	454	168794	169246
UN44934	Rsa1.0.00699.1	714	184398	0	384	391	98 +	5	395	146308	146698
UN44935	Rsa1.0.03514.1	886	22346	0	596	615	96 +	275	885	19157	19769
UN44936	Rsa1.0.00017.1	978	752458	0	717	749	95 +	1	749	510955	511702
UN44937	Rsa1.0.02573.1	661	29955	1.00E-151	340	364	93 -	3	358	1806	2169
UN44938	Rsa1.0.00077.1	624	145005	0	385	407	94 -	223	622	33231	33637
UN44939	Rsa1.0.01315.1	838	48361	0	344	349	98 +	489	837	14860	15208
UN44940	Rsa1.0.03410.1	713	23147	0	499	517	96 -	40	556	10247	10760
UN44941	Rsa1.0.03270.1	898	24193	1.00E-132	269	278	96 +	1	276	7136	7413
UN44942	Rsa1.0.09170.1	811	6588	1.00E-109	213	217	98 +	31	247	81	297
UN44943	Rsa1.0.01440.1	678	45807	0	486	488	99 +	1	487	13708	14194
UN44944	Rsa1.0.09451.1	742	6359	1.00E-147	265	265	100 +	251	515	6063	6327
UN44945	Rsa1.0.00648.1	896	70351	0	487	489	99 -	2	490	9530	10018
UN44946	Rsa1.0.00519.1	625	197864	0	383	385	99 -	240	624	191696	192080
UN44947	Rsa1.0.03122.1	469	25207	2.00E-96	186	187	99 -	1	187	7659	7844
UN44948	Rsa1.0.00589.1	699	209965	0	433	457	94 -	62	509	9243	9698
UN44949	Rsa1.0.00651.1	932	247766	1.00E-170	309	311	99 +	2	312	90214	90524
UN44950	Rsa1.0.00662.1	791	192183	1.00E-86	204	216	94 -	517	731	58373	58584
UN44951	Rsa1.0.02678.1	1091	135053	0	520	526	98 +	564	1089	130452	130977
UN44952	Rsa1.0.02852.1	438	27287	1.00E-139	279	286	97 +	1	284	21258	21542
UN44953	Rsa1.0.00707.1	1081	190112	0	333	335	99 +	7	341	160282	160616
UN44954	Rsa1.0.05945.1	1163	12149	0	366	366	100 -	759	1124	11752	12117
UN44955	Rsa1.0.02079.1	481	35306	1.00E-155	298	305	97 +	3	307	3681	3985
UN44956	Rsa1.0.00369.1	662	266462	0	409	411	99 +	1	411	147120	147530
UN44957	Rsa1.0.00301.1	919	365315	2.00E-51	146	159	91 +	720	878	219835	219991
UN44958	Rsa1.0.01374.1	621	47047	0	430	431	99 +	1	431	30838	31268
UN44959	Rsa1.0.00471.1	610	81897	0	608	614	99 +	1	610	73355	73968
UN44960	Rsa1.0.00314.1	824	96472	1.00E-122	268	281	95 -	98	378	30151	30427
UN44961	Rsa1.0.00011.1	838	225044	1.00E-144	372	406	91 +	1	393	177282	177686
UN44962	Rsa1.0.00067.1	769	415055	0	426	447	95 -	332	769	46411	46853
UN44963	Rsa1.0.00071.1	878	345714	2.33E-156	266	267	99 +	3	269	216722	216988
UN44964	Rsa1.0_14871.1	383	2999	5.00E-84	203	217	93 -	50	259	2735	2951
UN44965	Rsa1.0_01321.1	889	48248	0	457	463	98 -	289	748	46635	47097

UN44966	Rsa1.0.00869.1	851	61627	1.00E-105	202	203	99 +	650	851	53448	53650
UN44967	Rsa1.0.03194.1	349	24674	1.00E-163	338	353	95 +	1	349	2068	2416
UN44968	Rsa1.0.09224.1	1098	6545	0	552	559	98 -	539	1096	663	1220
UN44969	Rsa1.0.00798.1	730	63945	0	725	729	99 -	1	728	60987	61715
UN44970	Rsa1.0.09250.1	1363	6528	0	452	455	99 -	707	1161	3462	3916
UN44971	Rsa1.0.00497.1	486	79830	1.00E-110	229	238	96 -	242	479	43615	43852
UN44972	Rsa1.0.00015.1	951	561803	0	418	418	100 -	1	418	526505	526922
UN44973	Rsa1.0.00083.1	467	442773	0	450	465	96 +	2	466	152909	153366
UN44974	Rsa1.0.00017.1	1026	752458	0	623	635	98 -	150	784	363078	363712
UN44975	Rsa1.0.14203.1	1340	3670	0	523	527	99 +	815	1340	2544	3070
UN44976	Rsa1.0.00323.1	457	159650	3.00E-55	110	110	100 -	245	354	55795	55904
UN44977	Rsa1.0.11027.1	575	5642	1.00E-103	193	194	99 -	211	404	1132	1325
UN44978	Rsa1.0.01513.1	685	44234	1.00E-103	271	295	91 +	4	283	17206	17498
UN44979	Rsa1.0.00972.1	823	57937	0	679	684	99 +	1	682	52180	52862
UN44980	Rsa1.0.02157.1	792	149652	0	354	361	98 +	19	377	147910	148269
UN44981	Rsa1.0.01666.1	1097	173972	0	572	606	94 -	440	1045	5108	5712
UN44982	Rsa1.0.02935.1	731	26621	0	675	769	87 -	1	728	24787	25545
UN44983	Rsa1.0.00937.1	862	59061	0	422	424	99 -	2	424	30166	30589
UN44984	Rsa1.0.00003.1	950	340054	0	344	344	100 +	3	346	277062	277405
UN44985	Rsa1.0.00716.1	431	67078	1.00E-119	220	221	99 +	1	221	33213	33433
UN44986	Rsa1.0.13028.1	654	5039	0	403	409	98 -	1	405	12	419
UN44987	Rsa1.0.02600.1	803	29657	0	544	546	99 -	1	546	18019	18564
UN44988	Rsa1.0.00353.1	757	92242	0	413	414	99 -	342	755	82865	83278
UN44989	Rsa1.0.02040.1	718	35684	1.00E-169	302	302	100 -	4	305	13231	13532
UN44990	Rsa1.0.03856.1	502	20429	3.00E-98	229	242	94 +	1	241	15601	15841
UN44991	Rsa1.0.00485.1	996	80937	0	623	626	99 +	1	625	71061	71684
UN44992	Rsa1.0.04245.1	925	18299	0	575	596	96 +	1	596	8022	8613
UN44993	Rsa1.0.00661.1	409	213041	1.00E-114	273	290	94 +	16	301	65278	65565
UN44994	Rsa1.0.03673.1	1192	21448	0	769	785	97 +	1	782	4075	4858
UN44995	Rsa1.0.01326.1	384	48072	1.00E-154	275	275	100 -	3	277	10896	11170
UN44996	Rsa1.0.00329.1	897	222544	1.00E-157	376	407	92 +	504	897	177614	178019
UN44997	Rsa1.0.03137.1	751	25105	1.00E-149	271	272	99 -	1	272	16833	17104
UN44998	Rsa1.0.01182.1	885	167304	1.00E-159	297	300	99 -	584	882	39726	40025
UN44999	Rsa1.0.02592.1	830	29751	1.00E-163	294	295	99 -	487	781	17131	17425
UN45000	Rsa1.0.01088.1	499	54416	1.00E-121	224	225	99 +	228	452	30619	30843
UN45001	Rsa1.0.00173.1	522	288743	0	383	386	99 -	137	522	39212	39597
UN45002	Rsa1.0.00518.1	1159	78360	1.00E-105	198	199	99 +	960	1158	17620	17818
UN45003	Rsa1.0.00847.1	920	62270	1.00E-148	377	413	91 +	520	920	55145	55557
UN45004	Rsa1.0.03956.1	621	19872	1.00E-163	318	327	97 +	293	619	16858	17184

UN45005	Rsa1.0_15693.1	677	2478	1.00E-172	307	307	100 -	2	308	109	415
UN45006	Rsa1.0_04696.1	795	16339	1.00E-112	349	396	88 -	400	795	11934	12321
UN45007	Rsa1.0_01005.1	545	56967	0	407	409	99 -	1	409	37619	38027
UN45008	Rsa1.0_01167.1	729	51859	0	691	731	94 +	3	706	48979	49708
UN45009	Rsa1.0_00782.1	669	64468	1.00E-180	366	383	95 +	1	374	647	1029
UN45010	Rsa1.0_13353.1	530	4894	1.00E-165	318	326	97 -	198	523	3894	4219
UN45011	Rsa1.0_02855.1	727	27271	0	350	354	98 -	1	351	10919	11272
UN45012	Rsa1.0_00689.1	1010	68305	0	455	458	99 -	1	458	43611	44067
UN45013	Rsa1.0_00177.1	969	143394	1.00E-56	116	117	99 -	783	899	36020	36136
UN45014	Rsa1.0_01296.1	700	49035	1.00E-161	288	288	100 +	282	569	36040	36327
UN45015	Rsa1.0_01311.1	803	48456	0	353	359	98 -	1	359	16794	17152
UN45016	Rsa1.0_00464.1	937	82253	0	655	659	99 -	1	659	26503	27161
UN45017	Rsa1.0_00332.1	646	94575	1.00E-103	221	230	96 -	91	319	61648	61877
UN45018	Rsa1.0_01094.1	691	167285	0	411	416	98 +	1	415	162962	163377
UN45019	Rsa1.0_04323.1	1185	17915	5.00E-99	208	216	96 +	968	1183	15646	15861
UN45020	Rsa1.0_03348.1	975	23559	0	595	615	96 -	2	612	9056	9664
UN45021	Rsa1.0_03777.1	872	20922	0	770	786	97 -	1	784	1957	2741
UN45022	Rsa1.0_00525.1	781	78030	1.00E-162	289	289	100 +	493	781	5794	6082
UN45023	Rsa1.0_05326.1	726	14139	1.00E-126	321	351	91 -	21	362	5288	5629
UN45024	Rsa1.0_00010.1	761	294827	1.00E-129	261	270	96 +	1	270	270962	271226
UN45025	Rsa1.0_00509.1	662	78829	1.00E-138	273	280	97 +	3	282	6507	6784
UN45026	Rsa1.0_00602.1	1142	73302	0	565	568	99 -	573	1140	28643	29210
UN45027	Rsa1.0_04288.1	577	18077	1.00E-121	302	324	93 -	1	316	13754	14075
UN45028	Rsa1.0_04229.1	612	18389	0	361	365	98 +	2	363	16318	16682
UN45029	Rsa1.0_19248.1	727	1457	1.00E-179	348	358	97 -	207	564	1	358
UN45030	Rsa1.0_00637.1	512	71038	1.00E-125	231	232	99 -	1	232	27778	28009
UN45031	Rsa1.0_05614.1	772	13191	1.00E-128	335	368	91 +	78	443	5941	6308
UN45032	Rsa1.0_01633.1	1330	41868	0	354	355	99 +	975	1329	8461	8814
UN45033	Rsa1.0_32526.1	1105	700	1.00E-157	290	293	98 -	811	1103	38	330
UN45034	Rsa1.0_00807.1	762	63607	1.00E-171	307	308	99 -	311	618	48409	48716
UN45035	Rsa1.0_03809.1	829	20731	0	581	598	97 -	2	597	3075	3670
UN45036	Rsa1.0_00324.1	628	218805	0	625	626	99 -	2	627	202469	203094
UN45037	Rsa1.0_01835.1	743	38542	1.00E-137	336	361	93 -	389	742	21298	21654
UN45038	Rsa1.0_01660.1	579	41400	1.00E-106	269	292	92 -	19	309	32286	32573
UN45039	Rsa1.0_01560.1	758	43256	1.00E-118	219	220	99 -	1	220	30828	31047
UN45040	Rsa1.0_00594.1	648	73729	0	472	499	94 +	2	494	27112	27610
UN45041	Rsa1.0_05753.1	785	12732	2.33E-156	284	291	97 +	495	785	11407	11697
UN45042	Rsa1.0_00502.1	805	204180	0	502	544	92 +	272	805	59117	59641
UN45043	Rsa1.0_00323.1	501	159650	1.00E-156	286	287	99 +	213	499	56193	56478

UN45044	Rsa1.0.00827.1	639	62790	1.00E-175	318	320	99 +	320	639	38722	39041
UN45045	Rsa1.0.02510.1	798	30662	0	675	712	94 -	65	776	2193	2889
UN45046	Rsa1.0.04477.1	466	17183	1.00E-131	244	245	99 +	2	246	5286	5529
UN45047	Rsa1.0.07863.1	737	8404	1.00E-142	332	353	94 +	1	348	2596	2946
UN45048	Rsa1.0.00916.1	566	59789	2.00E-96	232	248	93 -	14	256	35590	35837
UN45049	Rsa1.0.00351.1	1014	413096	0	366	372	98 -	2	373	242921	243292
UN45050	Rsa1.0.06541.1	690	10806	1.00E-165	302	303	99 -	389	690	10070	10372
UN45051	Rsa1.0.00480.1	879	81325	0	516	520	99 -	358	877	549	1068
UN45052	Rsa1.0.69270.1	653	331	1.00E-152	292	296	98 +	339	632	37	331
UN45053	Rsa1.0.11549.1	1087	5473	0	997	998	99 +	1	998	4476	5473
UN45054	Rsa1.0.00301.1	549	365315	1.00E-109	247	261	94 +	235	489	69917	70177
UN45055	Rsa1.0.00120.1	1214	277288	0	712	721	98 +	4	723	118250	118969
UN45056	Rsa1.0.03435.1	664	22958	1.00E-154	303	311	97 +	152	462	21985	22293
UN45057	Rsa1.0.03029.1	760	25858	0	543	554	98 +	206	759	5290	5843
UN45058	Rsa1.0.09126.1	775	6625	0	450	455	98 +	2	456	5254	5707
UN45059	Rsa1.0.01376.1	938	47004	0	932	937	99 +	1	937	4188	5124
UN45060	Rsa1.0.02393.1	567	31795	1.00E-141	255	255	100 -	1	255	26844	27098
UN45061	Rsa1.0.01608.1	761	170540	1.00E-172	321	326	98 +	418	743	38402	38727
UN45062	Rsa1.0.01651.1	999	41586	1.00E-123	248	256	96 +	1	256	34469	34724
UN45063	Rsa1.0.08339.1	668	7509	0	568	596	95 -	5	600	2560	3138
UN45064	Rsa1.0.00071.1	615	345714	2.00E-97	271	298	90 +	1	279	66070	66365
UN45065	Rsa1.0.02981.1	675	26285	6.00E-85	197	209	94 -	1	200	5587	5795
UN45066	Rsa1.0.00662.1	430	192183	1.00E-81	205	222	92 +	150	371	12138	12359
UN45067	Rsa1.0.00615.1	1167	72235	1.00E-171	320	325	98 -	826	1150	25400	25724
UN45068	Rsa1.0.00926.1	573	195072	4.00E-95	192	197	97 -	247	443	32227	32423
UN45069	Rsa1.0.00147.1	934	249503	1.00E-157	306	314	97 -	1	310	130918	131231
UN45070	Rsa1.0.00301.1	542	365315	1.00E-131	270	278	97 -	68	345	215181	215456
UN45071	Rsa1.0.00495.1	820	79934	3.00E-53	123	127	96 +	376	502	16598	16723
UN45072	Rsa1.0.01638.1	773	41857	3.00E-87	200	212	94 -	368	579	35702	35913
UN45073	Rsa1.0.00108.1	804	478491	0	564	582	96 -	143	724	143323	143904
UN45074	Rsa1.0.03413.1	673	23137	0	668	673	99 -	1	673	18839	19511
UN45075	Rsa1.0.02247.1	831	33427	1.00E-128	271	282	96 -	100	380	28646	28924
UN45076	Rsa1.0.03813.1	1026	20708	2.00E-95	196	202	97 -	823	1024	170	371
UN45077	Rsa1.0.00006.1	590	396176	1.00E-104	237	249	95 +	72	318	309017	309265
UN45078	Rsa1.0.02406.1	997	145276	0	425	440	96 -	508	947	14082	14515
UN45079	Rsa1.0.00123.1	741	325650	6.00E-79	159	162	98 -	212	373	142857	143018
UN45080	Rsa1.0.00407.1	849	191544	0	432	450	96 -	1	440	154691	155140
UN45081	Rsa1.0.41400.1	528	543	0	519	520	99 +	1	520	24	543
UN45082	Rsa1.0.00329.1	781	222544	1.00E-124	295	318	92 +	2	311	178082	178397

UN45083	Rsa1.0.00108.1	746	478491	1.00E-169	311	314	99 -	2	315	270630	270943
UN45084	Rsa1.0.00925.1	887	59481	0	822	882	93 +	3	869	52761	53618
UN45085	Rsa1.0.00707.1	884	190112	1.00E-176	391	419	93 +	481	883	179614	180032
UN45086	Rsa1.0.12729.1	421	5142	1.00E-120	228	230	99 +	1	228	2533	2762
UN45087	Rsa1.0.01298.1	530	48999	1.00E-163	303	307	98 -	1	307	24692	24998
UN45088	Rsa1.0.00767.1	466	64980	0	441	459	96 +	3	461	15148	15591
UN45089	Rsa1.0.00016.1	664	831256	1.00E-129	246	249	98 +	1	247	204642	204890
UN45090	Rsa1.0.01405.1	426	46445	8.00E-71	139	140	99 +	135	274	13173	13312
UN45091	Rsa1.0.00343.1	222	93570	6.00E-67	150	155	96 -	1	151	74843	74997
UN45092	Rsa1.0.16384.1	942	2170	1.00E-176	400	427	93 -	3	425	249	674
UN45093	Rsa1.0.00131.1	1043	432233	1.00E-153	275	275	100 +	252	526	194264	194538
UN45094	Rsa1.0.02266.1	1111	33195	1.00E-172	382	402	95 -	2	400	13845	14240
UN45095	Rsa1.0.04116.1	724	18971	0	418	429	97 -	295	722	614	1041
UN45096	Rsa1.0.01109.1	663	53793	0	331	332	99 +	7	338	50285	50616
UN45097	Rsa1.0.01199.1	673	163576	1.00E-143	297	314	94 +	1	314	558	854
UN45098	Rsa1.0.00568.1	354	75219	1.00E-166	345	358	96 -	3	354	14589	14942
UN45099	Rsa1.0.01515.1	969	170864	0	429	461	93 -	17	474	134882	135342
UN45100	Rsa1.0.00327.1	776	94892	1.00E-112	233	241	96 +	330	568	70836	71076
UN45101	Rsa1.0.00679.1	984	68971	0	500	539	92 +	119	657	701	1229
UN45102	Rsa1.0.00701.1	1148	67691	1.00E-160	371	394	94 -	8	399	23226	23616
UN45103	Rsa1.0.00180.1	980	114581	4.00E-90	256	280	91 -	1	280	61516	61790
UN45104	Rsa1.0.00111.1	987	390088	1.00E-164	309	314	98 -	670	983	6032	6345
UN45105	Rsa1.0.00082.1	1183	237584	0	744	794	93 +	3	770	55288	56077
UN45106	Rsa1.0.00362.1	1207	299497	0	1037	1058	98 -	158	1206	297138	298194
UN45107	Rsa1.0.00217.1	812	107079	0	331	333	99 +	1	332	59367	59699
UN45108	Rsa1.0.00058.1	544	159921	0	482	515	93 +	1	506	49043	49550
UN45109	Rsa1.0.02652.1	1613	29038	1.00E-125	333	362	91 -	4	359	9047	9406
UN45110	Rsa1.0.08196.1	768	7753	0	741	771	96 -	1	768	570	1337
UN45111	Rsa1.0.00773.1	1377	64839	0	491	506	97 -	855	1360	12562	13067
UN45112	Rsa1.0.28805.1	792	803	5.00E-98	188	190	98 +	1	190	423	612
UN45113	Rsa1.0.01170.1	826	161131	1.00E-131	294	311	94 -	54	363	129391	129693
UN45114	Rsa1.0.03382.1	1380	23299	0	394	411	95 +	1	408	16814	17220
UN45115	Rsa1.0.00394.1	641	148426	1.00E-127	260	266	97 +	2	266	122827	123089
UN45116	Rsa1.0.01483.1	692	44826	1.00E-159	342	359	95 -	1	352	27554	27910
UN45117	Rsa1.0.00744.1	676	66084	1.00E-180	392	416	94 +	1	404	56503	56916
UN45118	Rsa1.0.00016.1	663	831256	3.00E-93	323	371	87 +	1	348	225417	225775
UN45119	Rsa1.0.03368.1	1019	23382	0	586	602	97 -	1	600	19959	20558
UN45120	Rsa1.0.00251.1	443	303968	1.00E-102	218	230	94 +	1	218	120992	121221
UN45121	Rsa1.0.00081.1	608	143261	0	605	636	95 -	1	606	123484	124119

UN45122	Rsa1.0.00122.1	979	265937	0	555	576	96 +	1	575	62627	63190
UN45123	Rsa1.0.02267.1	268	33194	2.00E-67	142	146	97 +	1	146	9448	9593
UN45124	Rsa1.0.02841.1	784	27383	0	752	798	94 +	1	782	6570	7357
UN45125	Rsa1.0.00096.1	694	198773	1.00E-122	254	264	96 +	50	310	155937	156194
UN45126	Rsa1.0.00655.1	614	195840	1.00E-147	324	343	94 +	250	590	163505	163847
UN45127	Rsa1.0.22264.1	743	1136	1.00E-107	232	243	95 -	1	243	285	523
UN45128	Rsa1.0.01292.1	640	175783	6.00E-88	177	181	97 +	460	640	3978	4158
UN45129	Rsa1.0.18563.1	1105	1574	1.00E-132	333	361	92 -	3	361	528	879
UN45130	Rsa1.0.05969.1	964	12072	0	462	467	98 -	489	955	5465	5931
UN45131	Rsa1.0.00229.1	1187	105471	0	340	344	98 -	1	344	43350	43693
UN45132	Rsa1.0.09813.1	815	6138	0	426	434	98 -	59	492	5191	5624
UN45133	Rsa1.0.01073.1	788	55030	0	754	783	96 +	11	788	6031	6807
UN45134	Rsa1.0.00069.1	696	403561	1.00E-105	256	274	93 -	427	696	169766	170031
UN45135	Rsa1.0.01214.1	868	50599	1.00E-172	388	414	93 +	3	415	35154	35561
UN45136	Rsa1.0.02777.1	816	27986	1.00E-110	252	268	94 -	158	422	6968	7235
UN45137	Rsa1.0.00601.1	837	177045	1.00E-134	343	373	91 -	470	837	26139	26496
UN45138	Rsa1.0.00028.1	772	293984	1.00E-158	286	287	99 +	3	289	280008	280294
UN45139	Rsa1.0.09946.1	680	6076	1.00E-163	307	312	98 +	3	314	497	808
UN45140	Rsa1.0.04200.1	961	18490	0	796	848	93 -	3	844	2331	3178
UN45141	Rsa1.0.04493.1	719	17137	2.00E-72	142	143	99 +	2	144	528	670
UN45142	Rsa1.0.01325.1	806	48131	9.00E-29	117	134	87 +	43	176	16497	16630
UN45143	Rsa1.0.75906.1	455	302	1.00E-151	276	278	99 +	178	455	2	279
UN45144	Rsa1.0.00131.1	1280	432233	0	1103	1129	97 +	2	1118	258470	259598
UN45145	Rsa1.0.02267.1	844	33194	1.00E-130	291	310	93 -	3	312	10467	10764
UN45146	Rsa1.0.02841.1	848	27383	0	583	599	97 -	2	597	7754	8347
UN45147	Rsa1.0.07535.1	850	9183	0	592	612	96 +	12	623	8580	9183
UN45148	Rsa1.0.25172.1	621	948	1.00E-82	199	212	93 -	2	213	1	211
UN45149	Rsa1.0.04787.1	444	15987	7.00E-93	227	244	93 +	1	233	3102	3344
UN45150	Rsa1.0.00329.1	884	222544	0	406	417	97 +	353	769	194066	194482
UN45151	Rsa1.0.01263.1	746	49703	1.00E-150	337	357	94 -	1	356	42751	43105
UN45152	Rsa1.0.00944.1	1145	58733	1.00E-120	219	219	100 +	122	340	55582	55800
UN45153	Rsa1.0.00321.1	823	95671	1.00E-168	315	318	99 -	1	315	40671	40988
UN45154	Rsa1.0.05745.1	693	12750	0	675	698	96 -	1	692	6887	7580
UN45155	Rsa1.0.08837.1	1068	6874	1.00E-147	306	318	96 +	31	347	2945	3258
UN45156	Rsa1.0.00274.1	970	210119	0	331	331	100 -	1	331	46547	46877
UN45157	Rsa1.0.02726.1	1045	28404	0	596	603	98 +	3	604	8533	9135
UN45158	Rsa1.0.00009.1	370	232558	1.00E-149	329	346	95 +	27	368	9554	9899
UN45159	Rsa1.0.01949.1	342	36960	1.00E-124	231	233	99 +	1	233	23223	23455
UN45160	Rsa1.0.00308.1	599	96915	2.00E-63	133	136	97 -	226	361	80101	80236

UN45161	Rsa1.0_04057.1	305	19333	1.00E-111	209	211	99 -	3	213	3706	3916
UN45162	Rsa1.0_00065.1	545	454616	0	498	547	91 +	3	545	26175	26708
UN45163	Rsa1.0_00021.1	667	263655	0	479	492	97 -	1	492	150098	150583
UN45164	Rsa1.0_02191.1	1132	34078	0	370	373	99 -	758	1130	17155	17527
UN45165	Rsa1.0_00273.1	808	326186	9.00E-97	193	196	98 +	70	264	2608	2803
UN45166	Rsa1.0_03572.1	569	146346	1.00E-144	302	318	94 +	265	567	137177	137494
UN45167	Rsa1.0_00130.1	676	125737	1.00E-177	358	369	97 +	3	370	38238	38602
UN45168	Rsa1.0_00136.1	935	122464	1.00E-148	269	270	99 -	1	270	30698	30967
UN45169	Rsa1.0_06488.1	703	141774	1.00E-174	347	359	96 -	343	701	1025	1380
UN45170	Rsa1.0_00697.1	1412	67913	0	443	464	95 -	350	812	62104	62562
UN45171	Rsa1.0_04142.1	889	18861	0	641	662	96 +	2	660	7227	7888
UN45172	Rsa1.0_01389.1	1049	46716	1.00E-163	312	318	98 +	538	852	10431	10748
UN45173	Rsa1.0_02855.1	825	27271	0	539	555	97 -	2	555	10734	11284
UN45174	Rsa1.0_00080.1	805	190437	1.00E-120	233	236	98 +	1	235	33655	33890
UN45175	Rsa1.0_58003.1	572	394	1.00E-91	193	199	96 +	17	215	117	314
UN45176	Rsa1.0_00926.1	590	195072	1.00E-131	246	249	98 -	3	251	32525	32773
UN45177	Rsa1.0_00008.1	839	358124	1.00E-171	311	313	99 +	1	313	316247	316559
UN45178	Rsa1.0_00507.1	804	79074	1.00E-132	269	279	96 +	434	712	60983	61261
UN45179	Rsa1.0_05812.1	834	12571	0	644	662	97 +	3	663	2611	3272
UN45180	Rsa1.0_00166.1	798	240912	0	751	792	94 -	9	798	191771	192561
UN45181	Rsa1.0_39292.1	517	572	0	362	371	97 -	146	516	158	528
UN45182	Rsa1.0_04258.1	808	18254	0	404	415	97 -	395	807	2361	2775
UN45183	Rsa1.0_00152.1	540	257730	1.00E-144	272	275	98 +	2	276	77846	78119
UN45184	Rsa1.0_00025.1	808	277312	0	443	443	100 -	364	806	77667	78109
UN45185	Rsa1.0_00243.1	373	103651	1.00E-127	259	268	96 +	1	264	77767	78034
UN45186	Rsa1.0_05995.1	841	11997	1.00E-108	240	251	95 -	152	400	8577	8821
UN45187	Rsa1.0_00577.1	739	174827	1.00E-111	210	212	99 -	1	212	148899	149110
UN45188	Rsa1.0_03681.1	978	21405	0	684	693	98 +	2	693	672	1361
UN45189	Rsa1.0_00722.1	585	66840	4.00E-55	130	136	95 +	448	583	14572	14704
UN45190	Rsa1.0_03448.1	539	22844	5.00E-79	215	235	91 -	3	228	1239	1472
UN45191	Rsa1.0_07441.1	826	9388	1.00E-132	249	252	98 -	1	252	149	400
UN45192	Rsa1.0_03668.1	414	21483	4.00E-63	135	139	97 -	195	333	19585	19723
UN45193	Rsa1.0_01251.1	743	49873	0	473	491	96 +	1	485	27215	27701
UN45194	Rsa1.0_01151.1	850	52268	0	834	853	97 -	1	849	39126	39974
UN45195	Rsa1.0_21324.1	907	1216	0	755	787	95 -	120	906	431	1216
UN45196	Rsa1.0_00451.1	871	322533	0	343	343	100 -	356	698	156756	157098
UN45197	Rsa1.0_00542.1	965	76831	2.00E-98	257	283	90 -	1	283	64221	64489
UN45198	Rsa1.0_03900.1	373	133221	1.00E-143	338	369	91 +	5	373	6916	7257
UN45199	Rsa1.0_03504.1	958	22443	1.00E-176	352	363	96 +	1	363	3899	4256

UN45200	Rsa1.0.09414.1	812	6386	0	737	743	99 +	70	811	607	1349
UN45201	Rsa1.0.03964.1	668	19835	9.00E-44	157	179	87 +	1	168	13163	13337
UN45202	Rsa1.0.03053.1	1452	25745	0	588	591	99 -	453	1043	23455	24044
UN45203	Rsa1.0.02103.1	848	35006	0	438	473	92 -	390	846	23197	23659
UN45204	Rsa1.0.00522.1	862	78103	1.00E-129	240	242	99 -	559	800	57158	57399
UN45205	Rsa1.0.01604.1	1048	42461	0	849	896	94 -	1	890	38216	39088
UN45206	Rsa1.0.03738.1	747	21071	0	709	746	95 -	1	745	19575	20312
UN45207	Rsa1.0.01882.1	741	37697	0	684	724	94 -	1	721	10995	11712
UN45208	Rsa1.0.02769.1	1010	28107	1.00E-164	649	760	85 +	1	738	16083	16841
UN45209	Rsa1.0.30432.1	593	754	1.00E-127	272	287	94 +	316	593	286	572
UN45210	Rsa1.0.13874.1	829	4176	1.00E-105	255	271	94 +	3	272	1121	1389
UN45211	Rsa1.0.01846.1	609	38367	5.00E-73	166	174	95 +	109	282	2597	2767
UN45212	Rsa1.0.04392.1	756	17575	3.00E-78	210	230	91 +	526	755	5133	5358
UN45213	Rsa1.0.09522.1	800	6316	0	763	805	94 +	1	800	4853	5655
UN45214	Rsa1.0.00248.1	766	163568	1.00E-166	399	432	92 +	2	412	40148	40578
UN45215	Rsa1.0.00074.1	854	147591	0	630	633	99 -	221	852	145268	145900
UN45216	Rsa1.0.01201.1	869	50856	0	497	502	99 -	262	761	45913	46414
UN45217	Rsa1.0.01516.1	333	44196	3.00E-79	156	158	98 +	82	239	27872	28029
UN45218	Rsa1.0.00013.1	890	292129	0	712	725	98 +	5	727	105150	105874
UN45219	Rsa1.0.00696.1	776	68010	0	405	425	95 +	110	533	26678	27100
UN45220	Rsa1.0.02768.1	727	28110	0	524	526	99 +	201	726	12309	12834
UN45221	Rsa1.0.01887.1	666	37564	0	640	665	96 +	1	664	2327	2981
UN45222	Rsa1.0.01326.1	621	48072	0	390	393	99 +	1	393	43760	44152
UN45223	Rsa1.0.02901.1	777	26909	0	393	404	97 +	373	775	25992	26395
UN45224	Rsa1.0.11160.1	696	5600	1.00E-143	304	316	96 -	2	315	134	447
UN45225	Rsa1.0.06213.1	622	11478	0	363	364	99 +	257	620	1640	2003
UN45226	Rsa1.0.00294.1	450	144860	4.00E-88	203	214	94 -	236	449	58234	58442
UN45227	Rsa1.0.01033.1	763	56173	0	388	406	95 -	3	398	49510	49914
UN45228	Rsa1.0.05631.1	1109	13127	0	1107	1108	99 -	1	1107	3668	4775
UN45229	Rsa1.0.00959.1	626	58202	8.00E-41	168	193	87 -	374	566	56871	57055
UN45230	Rsa1.0.00612.1	660	72376	0	556	563	98 -	6	568	13983	14540
UN45231	Rsa1.0.00045.1	1305	328694	0	931	937	99 -	3	939	299837	300771
UN45232	Rsa1.0.00373.1	777	90296	1.00E-178	490	547	89 +	66	607	88249	88783
UN45233	Rsa1.0.02633.1	788	29315	1.00E-169	414	450	92 +	2	439	336	771
UN45234	Rsa1.0.00881.1	800	61260	0	533	543	98 -	6	548	39350	39886
UN45235	Rsa1.0.02641.1	655	29191	1.00E-130	295	314	93 +	1	311	5585	5898
UN45236	Rsa1.0.00453.1	641	83031	1.00E-155	287	290	98 -	1	290	19330	19619
UN45237	Rsa1.0.00110.1	488	132719	3.00E-89	185	191	96 +	240	430	111112	111302
UN45238	Rsa1.0.04692.1	1305	16357	0	1262	1303	96 -	5	1302	11816	13115

UN45239	Rsa1.0.00340.1	738	305782	1.00E-144	325	348	93 +	237	584	194319	194653
UN45240	Rsa1.0.02263.1	905	33238	0	417	421	99 -	4	424	19170	19590
UN45241	Rsa1.0.00283.1	776	183797	1.00E-77	172	180	95 -	469	648	11455	11634
UN45242	Rsa1.0.00011.1	966	225044	1.00E-166	444	495	89 +	485	964	215935	216423
UN45243	Rsa1.0.00720.1	607	66931	1.00E-85	183	189	96 +	63	250	18555	18743
UN45244	Rsa1.0.05846.1	625	12434	1.00E-89	177	180	98 -	173	352	7562	7741
UN45245	Rsa1.0.00124.1	1006	262503	0	770	807	95 -	208	1004	9266	10071
UN45246	Rsa1.0.00224.1	1166	327530	0	736	745	98 -	243	986	194804	195547
UN45247	Rsa1.0.73985.1	794	310	3.00E-75	185	196	94 -	7	197	1	194
UN45248	Rsa1.0.03853.1	446	20447	1.00E-104	192	192	100 -	88	279	14131	14322
UN45249	Rsa1.0.00033.1	794	515811	0	457	487	93 +	4	480	366363	366843
UN45250	Rsa1.0.03422.1	594	23076	1.00E-143	388	426	91 -	1	410	9861	10284
UN45251	Rsa1.0.00651.1	900	247766	1.00E-158	385	419	91 +	445	851	207681	208096
UN45252	Rsa1.0.00497.1	1006	79830	1.00E-108	220	227	96 +	120	346	76631	76857
UN45253	Rsa1.0.17217.1	779	1889	0	745	796	93 +	1	770	87	875
UN45254	Rsa1.0.00635.1	572	175826	2.00E-97	187	189	98 +	314	502	111536	111724
UN45255	Rsa1.0.00178.1	1225	114861	0	717	723	99 -	1	723	67544	68263
UN45256	Rsa1.0.01788.1	946	39296	0	363	363	100 +	319	681	15792	16154
UN45257	Rsa1.0.02053.1	734	35554	0	375	380	98 +	355	734	32532	32907
UN45258	Rsa1.0.16326.1	818	2198	1.00E-98	198	203	97 -	1	198	111	313
UN45259	Rsa1.0.05938.1	764	12173	0	557	607	91 -	161	762	11604	12173
UN45260	Rsa1.0.03155.1	808	24958	0	414	414	100 +	1	414	10013	10426
UN45261	Rsa1.0.00562.1	804	75565	0	500	516	96 -	292	804	9028	9537
UN45262	Rsa1.0.03073.1	774	25574	0	734	789	93 -	3	774	14699	15485
UN45263	Rsa1.0.06386.1	648	140583	1.00E-180	326	328	99 +	2	329	134508	134835
UN45264	Rsa1.0.01440.1	607	45807	1.00E-164	299	301	99 +	2	302	11033	11333
UN45265	Rsa1.0.01367.1	1193	47135	0	574	582	98 +	612	1193	24091	24672
UN45266	Rsa1.0.34547.1	679	655	0	370	370	100 +	1	370	286	655
UN45267	Rsa1.0.04517.1	813	17015	1.00E-117	261	275	94 +	24	298	21	294
UN45268	Rsa1.0.02648.1	383	29073	9.00E-49	105	107	98 -	177	283	28063	28169
UN45269	Rsa1.0.00277.1	680	100132	1.00E-171	329	337	97 -	2	338	50520	50856
UN45270	Rsa1.0.03137.1	806	25105	1.00E-129	268	274	97 -	2	272	16500	16771
UN45271	Rsa1.0.00100.1	501	249232	1.00E-102	295	330	89 +	19	333	181624	181944
UN45272	Rsa1.0.00025.1	943	277312	0	584	586	99 -	357	942	77624	78209
UN45273	Rsa1.0.00069.1	884	403561	0	464	472	98 +	406	873	396292	396763
UN45274	Rsa1.0.00100.1	572	249232	1.00E-175	383	405	94 -	108	508	221841	222245
UN45275	Rsa1.0.05076.1	497	14916	1.00E-107	230	242	95 -	1	242	7475	7707
UN45276	Rsa1.0.00650.1	958	70235	1.00E-118	579	687	84 -	161	840	18906	19583
UN45277	Rsa1.0.00467.1	705	156542	1.00E-121	227	229	99 +	475	703	81087	81315

UN45278	Rsa1.0.00016.1	583	831256	0	545	581	93 +	1	567	498993	499572
UN45279	Rsa1.0.01701.1	912	162121	1.00E-156	315	323	97 +	6	325	24997	25318
UN45280	Rsa1.0.00139.1	640	357786	1.00E-89	171	172	99 +	261	432	16596	16767
UN45281	Rsa1.0.00126.1	769	127534	0	700	751	93 -	7	756	36233	36962
UN45282	Rsa1.0.00069.1	996	403561	1.00E-93	464	560	82 -	246	777	231220	231778
UN45283	Rsa1.0.04933.1	868	15410	0	466	483	96 +	264	746	9327	9809
UN45284	Rsa1.0.00480.1	543	81325	0	531	542	97 -	1	541	619	1157
UN45285	Rsa1.0.02406.1	413	145276	1.00E-170	374	397	94 +	17	413	15094	15478
UN45286	Rsa1.0.02468.1	648	31122	0	493	529	93 -	129	638	28536	29061
UN45287	Rsa1.0.00166.1	979	240912	0	783	813	96 +	169	976	151241	152050
UN45288	Rsa1.0.13779.1	577	4345	1.00E-162	295	297	99 +	3	299	773	1069
UN45289	Rsa1.0.00220.1	773	192936	1.00E-142	317	336	94 -	449	773	143125	143460
UN45290	Rsa1.0.26211.1	738	901	0	730	735	99 +	4	737	136	870
UN45291	Rsa1.0.00690.1	606	140527	1.00E-164	380	407	93 -	210	604	12338	12743
UN45292	Rsa1.0.12292.1	918	5263	0	603	607	99 +	312	918	102	708
UN45293	Rsa1.0.11048.1	845	5634	0	438	439	99 +	164	602	28	466
UN45294	Rsa1.0.01803.1	801	173846	4.00E-80	253	283	89 +	102	378	18874	19153
UN45295	Rsa1.0.17420.1	1081	1833	4.00E-93	174	174	100 -	1	174	1	174
UN45296	Rsa1.0.00394.1	909	148426	1.00E-169	376	403	93 -	237	639	129296	129686
UN45297	Rsa1.0.05669.1	978	12993	0	400	409	97 +	441	849	6854	7262
UN45298	Rsa1.0.01199.1	738	163576	6.00E-76	155	157	98 -	2	158	125483	125638
UN45299	Rsa1.0.00005.1	531	353093	0	484	532	90 -	4	531	67918	68441
UN45300	Rsa1.0.03627.1	764	21658	1.00E-180	376	392	95 -	4	394	8024	8414
UN45301	Rsa1.0.00890.1	900	323870	1.00E-151	323	340	95 +	564	894	213285	213623
UN45302	Rsa1.0.00018.1	1059	410899	0	416	440	94 +	2	439	53500	53928
UN45303	Rsa1.0.01359.1	1254	47271	0	489	541	90 +	2	530	32300	32833
UN45304	Rsa1.0.02425.1	645	31567	0	598	623	95 +	2	614	8221	8843
UN45305	Rsa1.0.00035.1	1151	176449	1.00E-164	359	377	95 +	770	1145	156806	157179
UN45306	Rsa1.0.07936.1	647	8228	8.00E-72	200	218	91 +	439	647	4275	4489
UN45307	Rsa1.0.01611.1	900	42269	1.00E-141	368	402	91 -	486	880	24958	25358
UN45308	Rsa1.0.37455.1	281	602	1.00E-107	205	208	98 +	74	281	1	208
UN45309	Rsa1.0.01104.1	438	285480	5.00E-69	136	137	99 +	26	162	2638	2774
UN45310	Rsa1.0.06363.1	649	11152	1.00E-114	227	233	97 +	417	649	1	233
UN45311	Rsa1.0.00438.1	686	84861	1.00E-170	377	401	94 +	295	686	76921	77317
UN45312	Rsa1.0.00985.1	634	161950	1.00E-151	312	326	95 -	7	332	32823	33142
UN45313	Rsa1.0.01618.1	634	42118	4.00E-95	265	288	92 -	348	634	17310	17587
UN45314	Rsa1.0.00303.1	563	97468	5.00E-79	195	206	94 -	360	563	56989	57193
UN45315	Rsa1.0.01253.1	988	49812	0	414	419	98 +	286	704	17916	18334
UN45316	Rsa1.0.01012.1	569	56836	1.00E-136	307	324	94 -	1	323	40013	40332

UN45317	Rsa1.0.03669.1	828	147114	0	376	387	97 +	442	828	17870	18254
UN45318	Rsa1.0.00722.1	661	66840	1.00E-170	312	315	99 -	12	326	15919	16233
UN45319	Rsa1.0.26893.1	737	874	1.00E-142	279	286	97 +	351	633	589	874
UN45320	Rsa1.0.02929.1	823	26673	0	770	798	96 -	3	795	14575	15372
UN45321	Rsa1.0.01091.1	1114	54383	0	508	562	90 -	568	1113	11350	11894
UN45322	Rsa1.0.07704.1	598	8754	1.00E-171	342	353	96 -	250	597	3539	3891
UN45323	Rsa1.0.01106.1	551	53916	0	359	363	98 +	1	363	36046	36408
UN45324	Rsa1.0.09707.1	834	6199	0	396	404	98 -	2	403	5205	5608
UN45325	Rsa1.0.02160.1	730	34468	0	392	398	98 -	2	399	21426	21823
UN45326	Rsa1.0.01740.1	603	39986	1.00E-100	196	198	98 +	403	599	31782	31979
UN45327	Rsa1.0.00641.1	1006	208241	5.00E-31	88	94	93 +	89	182	183246	183339
UN45328	Rsa1.0.00220.1	944	192936	5.00E-83	251	275	91 +	666	934	152562	152829
UN45329	Rsa1.0.03395.1	1085	23243	1.00E-172	377	396	95 +	691	1085	21042	21432
UN45330	Rsa1.0.00971.1	505	57973	0	432	440	98 -	68	505	43071	43509
UN45331	Rsa1.0.00570.1	496	75002	0	485	507	95 -	1	496	54083	54588
UN45332	Rsa1.0.00069.1	624	403561	1.00E-153	310	318	97 +	1	315	169707	170023
UN45333	Rsa1.0.00133.1	682	123768	0	469	483	97 +	3	485	66333	66811
UN45334	Rsa1.0.26382.1	701	894	1.00E-122	238	242	98 -	462	701	562	803
UN45335	Rsa1.0.00009.1	912	232558	1.00E-170	325	332	97 +	579	910	10163	10494
UN45336	Rsa1.0.08613.1	264	7128	2.00E-76	250	282	88 -	1	263	4460	4739
UN45337	Rsa1.0.06795.1	789	10346	1.00E-123	242	248	97 -	542	789	5161	5408
UN45338	Rsa1.0.04377.1	594	17658	0	555	606	91 +	2	594	15092	15685
UN45339	Rsa1.0.01069.1	553	55113	1.00E-130	260	267	97 -	288	553	17701	17967
UN45340	Rsa1.0.00021.1	577	263655	1.00E-167	316	322	98 +	24	345	80165	80486
UN45341	Rsa1.0.16547.1	515	2117	0	489	516	94 +	1	515	958	1471
UN45342	Rsa1.0.02688.1	725	28644	0	471	505	93 -	127	613	16216	16718
UN45343	Rsa1.0.05611.1	872	13193	0	495	525	94 -	349	869	9261	9785
UN45344	Rsa1.0.00480.1	624	81325	1.00E-154	292	296	98 +	3	297	612	907
UN45345	Rsa1.0.00140.1	964	121541	1.00E-175	318	320	99 -	244	563	117701	118020
UN45346	Rsa1.0.00546.1	554	76523	1.00E-156	346	366	94 +	196	553	11385	11750
UN45347	Rsa1.0.01084.1	599	54605	0	509	522	97 +	80	598	16843	17362
UN45348	Rsa1.0.00363.1	581	90968	1.00E-79	235	259	90 +	1	255	73706	73950
UN45349	Rsa1.0.00179.1	1311	393324	0	405	427	94 +	200	625	204310	204727
UN45350	Rsa1.0.02756.1	809	28202	1.00E-166	349	366	95 +	148	510	24137	24502
UN45351	Rsa1.0.00030.1	730	250988	0	575	619	92 -	11	626	167985	168596
UN45352	Rsa1.0.00139.1	508	357786	0	427	444	96 +	2	436	16925	17368
UN45353	Rsa1.0.03576.1	1071	21986	0	549	559	98 +	3	558	10405	10961
UN45354	Rsa1.0.00033.1	774	515811	0	699	763	91 +	3	754	460	1203
UN45355	Rsa1.0.00526.1	750	169279	1.00E-165	346	363	95 +	2	364	148168	148530

UN45356	Rsa1.0.00471.1	1119	81897	0	701	740	94 -	394	1119	66753	67492
UN45357	Rsa1.0.00046.1	731	320315	1.00E-116	320	356	89 +	395	725	29574	29929
UN45358	Rsa1.0.00012.1	861	222148	0	523	557	93 -	173	729	85501	86042
UN45359	Rsa1.0.03613.1	772	21773	1.00E-140	277	284	97 -	495	772	16649	16932
UN45360	Rsa1.0.00100.1	549	249232	0	439	470	93 -	87	549	221776	222245
UN45361	Rsa1.0.05482.1	581	13595	1.00E-115	249	259	96 -	320	577	13338	13595
UN45362	Rsa1.0.43643.1	747	515	0	511	515	99 +	172	686	1	515
UN45363	Rsa1.0.01967.1	908	36672	0	601	633	94 +	3	624	15958	16589
UN45364	Rsa1.0.00157.1	743	245832	1.00E-117	233	238	97 -	1	238	33190	33426
UN45365	Rsa1.0.00544.1	631	76787	7.00E-69	157	165	95 -	329	493	21002	21166
UN45366	Rsa1.0.01800.1	1048	39109	0	390	406	96 -	328	728	9996	10396
UN45367	Rsa1.0.00905.1	1018	60110	0	632	672	94 +	355	1018	5365	6030
UN45368	Rsa1.0.02018.1	1264	35994	1.00E-147	292	300	97 +	965	1264	4095	4392
UN45369	Rsa1.0.06468.1	780	10958	0	499	511	97 -	260	769	6364	6873
UN45370	Rsa1.0.00978.1	824	57739	0	425	440	96 +	244	683	1744	2183
UN45371	Rsa1.0.04196.1	655	18515	1.00E-177	351	362	96 -	295	655	16993	17354
UN45372	Rsa1.0.03204.1	1257	24622	0	449	481	93 +	458	926	6070	6541
UN45373	Rsa1.0.03170.1	752	24824	1.00E-86	233	257	90 +	506	745	12992	13248
UN45374	Rsa1.0.00001.1	715	363028	0	669	718	93 -	6	714	91736	92436
UN45375	Rsa1.0.00505.1	513	79323	1.00E-128	335	362	92 +	102	461	13080	13430
UN45376	Rsa1.0.00032.1	491	306326	1.00E-106	262	277	94 +	213	487	204411	204680
UN45377	Rsa1.0.00205.1	1241	193401	1.00E-75	253	285	88 +	952	1234	33441	33719
UN45378	Rsa1.0.00071.1	740	345714	1.00E-153	287	291	98 +	449	739	218534	218824
UN45379	Rsa1.0.00485.1	796	80937	0	384	400	96 +	403	796	37393	37788
UN45380	Rsa1.0.00075.1	843	146680	1.00E-143	331	352	94 -	5	354	26868	27206
UN45381	Rsa1.0.01560.1	771	43256	5.00E-86	206	218	94 +	547	762	30828	31045
UN45382	Rsa1.0.03539.1	633	22199	2.00E-84	182	189	96 +	74	259	6007	6195
UN45383	Rsa1.0.00589.1	545	209965	0	526	553	95 -	3	544	203938	204486
UN45384	Rsa1.0.00045.1	646	328694	0	528	560	94 -	100	646	261152	261705
UN45385	Rsa1.0.00901.1	903	60363	0	455	463	98 -	440	899	15595	16057
UN45386	Rsa1.0.01456.1	977	45372	1.00E-172	327	334	97 +	233	566	30819	31152
UN45387	Rsa1.0.02229.1	806	33672	0	374	377	99 +	2	378	2296	2672
UN45388	Rsa1.0.00920.1	765	601703	9.00E-66	137	140	97 +	461	600	449831	449970
UN45389	Rsa1.0.06213.1	738	11478	0	490	494	99 +	241	734	7641	8134
UN45390	Rsa1.0.01466.1	860	45161	1.00E-161	300	304	98 +	555	858	28487	28790
UN45391	Rsa1.0.02221.1	599	33796	0	449	471	95 -	138	599	17851	18321
UN45392	Rsa1.0.00100.1	522	249232	1.00E-122	237	242	97 -	13	254	197040	197281
UN45393	Rsa1.0.00241.1	540	104000	5.00E-91	179	182	98 +	42	223	64432	64613
UN45394	Rsa1.0.00715.1	590	67116	0	500	549	91 +	3	551	63608	64137

UN45395	Rsa1.0_04142.1	934	18861	0	608	640	95 -	295	933	7256	7888
UN45396	Rsa1.0_03605.1	693	21827	0	690	691	99 +	3	693	11172	11862
UN45397	Rsa1.0_03191.1	795	145762	1.00E-168	309	312	99 -	483	794	22161	22472
UN45398	Rsa1.0_01482.1	801	44855	0	412	426	96 -	374	799	11983	12404
UN45399	Rsa1.0_00332.1	1218	94575	0	500	532	93 +	688	1218	73460	73990
UN45400	Rsa1.0_03605.1	727	21827	1.00E-137	325	353	92 +	352	688	20342	20693
UN45401	Rsa1.0_00006.1	662	396176	6.00E-85	166	168	98 -	356	523	309098	309265
UN45402	Rsa1.0_00075.1	709	146680	0	632	677	93 +	33	709	141238	141900
UN45403	Rsa1.0_00081.1	458	143261	1.00E-152	273	273	100 +	186	458	123869	124141
UN45404	Rsa1.0_00251.1	460	303968	4.00E-79	182	191	95 +	273	460	147254	147442
UN45405	Rsa1.0_00039.1	707	296927	0	544	555	98 +	4	557	89	643
UN45406	Rsa1.0_00474.1	440	81731	1.00E-134	330	354	93 +	74	421	33857	34207
UN45407	Rsa1.0_02859.1	529	162118	0	411	434	94 +	98	529	154217	154639
UN45408	Rsa1.0_00978.1	747	57739	1.00E-119	273	290	94 +	29	318	41982	42270
UN45409	Rsa1.0_01313.1	847	48387	1.00E-132	287	303	94 +	545	847	16151	16448
UN45410	Rsa1.0_02360.1	1248	32203	0	1146	1210	94 -	58	1246	23830	25036
UN45411	Rsa1.0_21301.1	941	1217	1.00E-150	297	306	97 +	3	308	72	377
UN45412	Rsa1.0_02859.1	653	162118	1.00E-144	283	291	97 -	3	293	138640	138930
UN45413	Rsa1.0_00940.1	562	179946	1.00E-107	244	256	95 +	307	561	176275	176527
UN45414	Rsa1.0_00163.1	994	116847	0	579	628	92 +	27	649	62852	63469
UN45415	Rsa1.0_01136.1	625	52724	1.00E-92	290	326	88 -	1	311	14179	14498
UN45416	Rsa1.0_00375.1	1127	90207	1.00E-133	283	292	96 +	838	1127	34140	34427
UN45417	Rsa1.0_01538.1	863	43733	1.00E-159	297	301	98 -	34	334	40507	40807
UN45418	Rsa1.0_04051.1	860	19375	0	412	413	99 -	449	860	11729	12141
UN45419	Rsa1.0_00213.1	931	108167	1.00E-168	303	304	99 -	1	304	5743	6046
UN45420	Rsa1.0_00127.1	971	127446	1.00E-156	313	323	96 +	9	331	36393	36713
UN45421	Rsa1.0_03169.1	446	24826	1.00E-152	397	435	91 -	10	444	17971	18386
UN45422	Rsa1.0_03433.1	472	22966	2.00E-71	210	236	88 +	254	469	11192	11427
UN45423	Rsa1.0_17064.1	829	1937	0	797	830	96 +	2	829	139	953
UN45424	Rsa1.0_01355.1	1184	47303	0	459	462	99 +	328	789	33389	33850
UN45425	Rsa1.0_02735.1	719	28344	0	637	666	95 -	40	704	4304	4959
UN45426	Rsa1.0_13950.1	779	4028	0	509	538	94 -	242	779	2261	2786
UN45427	Rsa1.0_00321.1	740	95671	1.00E-102	268	289	92 -	441	728	27061	27341
UN45428	Rsa1.0_15363.1	467	2655	1.00E-170	363	381	95 +	64	441	1072	1452
UN45429	Rsa1.0_00128.1	714	228675	1.00E-107	227	237	95 +	203	439	106484	106720
UN45430	Rsa1.0_00522.1	735	78103	0	679	713	95 -	29	729	38652	39354
UN45431	Rsa1.0_03956.1	1294	19872	0	465	490	94 -	813	1294	17836	18323
UN45432	Rsa1.0_01936.1	567	37151	0	551	571	96 -	3	567	18218	18788
UN45433	Rsa1.0_13774.1	647	4351	1.00E-109	201	201	100 -	446	646	1134	1334

UN45434	Rsa1.0.00637.1	794	71038	0	487	506	96 -	220	723	3278	3783
UN45435	Rsa1.0.00876.1	718	61328	1.00E-171	366	385	95 -	327	710	23628	24012
UN45436	Rsa1.0.00228.1	790	105511	1.00E-89	258	285	90 +	3	283	37036	37303
UN45437	Rsa1.0.00166.1	640	240912	0	545	545	100 -	96	640	131054	131598
UN45438	Rsa1.0.02149.1	690	148330	0	643	675	95 +	16	690	28737	29390
UN45439	Rsa1.0.01282.1	629	49304	0	609	626	97 -	1	626	14157	14781
UN45440	Rsa1.0.00090.1	798	273859	0	495	509	97 +	288	793	148579	149086
UN45441	Rsa1.0.01691.1	583	40921	1.00E-144	274	279	98 +	13	291	5609	5887
UN45442	Rsa1.0.00533.1	705	77375	1.00E-105	203	206	98 -	488	693	52463	52668
UN45443	Rsa1.0.56381.1	729	406	0	370	372	99 -	332	703	35	406
UN45444	Rsa1.0.04192.1	695	18572	0	424	448	94 -	145	588	10446	10893
UN45445	Rsa1.0.04033.1	1200	19481	0	446	446	100 -	4	449	10632	11077
UN45446	Rsa1.0.00477.1	519	81556	3.00E-71	140	141	99 -	185	325	52836	52976
UN45447	Rsa1.0.00582.1	581	74333	8.00E-84	168	170	98 -	413	581	49170	49339
UN45448	Rsa1.0.04580.1	754	16773	1.00E-178	322	324	99 -	414	737	7383	7706
UN45449	Rsa1.0.00583.1	992	74309	1.00E-168	312	316	98 +	480	795	13328	13643
UN45450	Rsa1.0.02700.1	610	28584	1.00E-103	231	242	95 +	370	610	6214	6453
UN45451	Rsa1.0.00612.1	800	72376	0	795	800	99 -	1	800	706	1505
UN45452	Rsa1.0.03044.1	838	25791	1.00E-105	270	295	91 -	187	478	15710	15992
UN45453	Rsa1.0.02312.1	1002	32675	0	508	516	98 -	491	1002	20152	20667
UN45454	Rsa1.0.00608.1	852	172672	1.00E-169	331	341	97 +	510	850	113895	114235
UN45455	Rsa1.0.00335.1	808	94371	1.00E-120	240	247	97 -	1	247	30455	30701
UN45456	Rsa1.0.56882.1	686	402	1.00E-162	312	318	98 -	2	318	1	318
UN45457	Rsa1.0.00329.1	677	222544	0	660	677	97 +	3	677	210282	210955
UN45458	Rsa1.0.00964.1	822	316648	0	658	727	90 +	111	808	156169	156886
UN45459	Rsa1.0.01054.1	655	55470	0	617	641	96 +	8	645	25801	26435
UN45460	Rsa1.0.01090.1	1015	54385	0	988	1017	97 +	3	1015	3230	4246
UN45461	Rsa1.0.00253.1	589	231292	6.00E-91	182	186	97 -	198	383	206050	206235
UN45462	Rsa1.0.00278.1	473	231896	1.00E-119	230	234	98 -	3	236	16257	16490
UN45463	Rsa1.0.00506.1	717	79106	7.00E-88	187	193	96 +	159	351	10903	11094
UN45464	Rsa1.0.03314.1	446	23804	1.00E-126	238	241	98 +	83	323	23411	23651
UN45465	Rsa1.0.31728.1	1201	720	1.00E-178	374	385	97 +	1	380	341	720
UN45466	Rsa1.0.00037.1	732	307838	1.00E-106	266	286	93 -	411	695	267027	267309
UN45467	#	#	#	#	#	#	#	#	#	#	#
UN45468	Rsa1.0.00139.1	764	357786	0	733	760	96 +	5	764	68032	68789
UN45469	Rsa1.0.02072.1	610	35401	1.00E-85	167	169	98 +	3	171	23734	23902
UN45470	Rsa1.0.00370.1	657	90472	1.00E-167	336	346	97 -	312	656	41217	41561
UN45471	Rsa1.0.06563.1	914	10765	2.33E-156	328	349	93 -	1	349	2187	2527
UN45472	Rsa1.0.00863.1	638	254535	2.33E-156	278	283	98 +	2	284	212165	212447

UN45473	Rsa1.0.01666.1	721	173972	2.00E-63	142	148	95 -	251	398	25290	25437
UN45474	Rsa1.0.00601.1	662	177045	1.00E-163	352	369	95 +	179	547	38439	38802
UN45475	Rsa1.0.13774.1	689	4351	1.00E-102	267	291	91 -	403	689	1044	1334
UN45476	Rsa1.0.15250.1	683	2727	1.00E-169	386	412	93 +	272	681	1092	1496
UN45477	Rsa1.0.00162.1	531	239935	1.00E-149	305	316	96 -	94	409	12315	12624
UN45478	Rsa1.0.00009.1	981	232558	1.00E-178	346	356	97 +	1	356	146446	146801
UN45479	Rsa1.0.02890.1	520	27018	1.00E-120	243	249	97 -	48	294	2886	3132
UN45480	Rsa1.0.00224.1	569	327530	3.00E-89	203	212	95 -	2	209	195632	195841
UN45481	Rsa1.0.00101.1	711	267193	1.00E-140	285	296	96 +	2	297	194795	195090
UN45482	Rsa1.0.02400.1	705	31750	0	677	706	95 -	1	696	4472	5177
UN45483	Rsa1.0.16553.1	383	2115	1.00E-32	90	96	93 +	200	295	174	269
UN45484	Rsa1.0.01321.1	902	48248	0	868	906	95 -	3	901	7913	8812
UN45485	Rsa1.0.00121.1	528	278029	3.00E-40	95	97	97 +	75	171	5655	5750
UN45486	Rsa1.0.00486.1	907	80875	1.00E-100	209	216	96 -	652	867	34966	35178
UN45487	Rsa1.0.07389.1	790	9479	1.00E-108	231	242	95 -	549	790	553	787
UN45488	Rsa1.0.00664.1	561	69573	1.00E-94	185	188	98 -	374	561	25616	25803
UN45489	Rsa1.0.03454.1	792	149870	0	689	700	98 -	93	792	136957	137655
UN45490	Rsa1.0.01090.1	783	54385	1.00E-168	377	404	93 +	1	404	3232	3626
UN45491	Rsa1.0.00979.1	1167	57733	1.00E-157	324	338	95 -	212	549	31552	31889
UN45492	Rsa1.0.00009.1	1104	232558	0	706	716	98 -	3	714	97891	98606
UN45493	Rsa1.0.00038.1	633	314568	3.00E-62	122	122	100 +	328	449	255346	255467
UN45494	Rsa1.0.01451.1	836	45459	0	505	528	95 +	317	836	18789	19314
UN45495	Rsa1.0.08426.1	724	7373	0	687	733	93 +	2	704	5471	6194
UN45496	Rsa1.0.02930.1	656	26668	0	481	496	96 -	3	498	1840	2335
UN45497	Rsa1.0.00123.1	609	325650	1.00E-148	282	286	98 +	3	288	198548	198832
UN45498	Rsa1.0.06386.1	446	140583	1.00E-118	224	227	98 -	2	228	135287	135513
UN45499	Rsa1.0.00863.1	1076	254535	1.00E-179	424	456	92 -	611	1056	1696	2141
UN45500	Rsa1.0.02955.1	894	26484	0	396	396	100 +	359	754	6	401
UN45501	Rsa1.0.04806.1	576	15898	1.00E-159	342	360	95 +	218	574	7224	7574
UN45502	Rsa1.0.00360.1	847	91190	0	586	611	95 +	238	847	60799	61409
UN45503	Rsa1.0.01878.1	688	37768	1.00E-120	252	262	96 +	363	622	27356	27617
UN45504	Rsa1.0.00210.1	920	108424	9.00E-91	206	216	95 +	23	237	50760	50972
UN45505	Rsa1.0.04371.1	764	17700	1.00E-149	292	300	97 +	3	302	11835	12134
UN45506	Rsa1.0.01783.1	724	39383	1.00E-144	288	295	97 -	432	724	9571	9865
UN45507	Rsa1.0.00127.1	1218	127446	3.00E-94	210	220	95 -	739	958	46742	46960
UN45508	Rsa1.0.01732.1	1013	40194	1.00E-161	404	438	92 -	21	453	15549	15980
UN45509	Rsa1.0.03958.1	563	19868	1.00E-132	280	294	95 +	266	559	16483	16770
UN45510	Rsa1.0.04892.1	963	15573	1.00E-174	326	330	98 +	634	963	1633	1961
UN45511	Rsa1.0.00030.1	623	250988	5.00E-79	168	174	96 +	32	205	123959	124132

UN45512	Rsa1.0.00022.1	745	200461	0	374	374	100 -	370	743	40145	40518
UN45513	Rsa1.0.01190.1	305	194501	1.00E-105	199	201	99 +	2	202	10680	10880
UN45514	Rsa1.0.06190.1	1049	11525	1.00E-172	364	384	94 +	562	942	9882	10256
UN45515	Rsa1.0.01882.1	743	37697	0	709	759	93 +	1	740	10997	11755
UN45516	Rsa1.0.00339.1	898	222974	2.00E-94	182	184	98 +	17	200	39246	39429
UN45517	Rsa1.0.03122.1	763	25207	0	720	776	92 +	2	763	6233	6991
UN45518	Rsa1.0.00370.1	829	90472	0	463	479	96 -	351	829	17865	18343
UN45519	Rsa1.0.00040.1	684	324196	0	554	578	95 -	5	576	166240	166817
UN45520	Rsa1.0.00045.1	850	328694	1.00E-120	248	256	96 -	94	349	166098	166352
UN45521	Rsa1.0.02633.1	691	29315	1.00E-132	315	333	94 -	356	684	361	684
UN45522	Rsa1.0.24755.1	842	969	4.00E-68	150	155	96 -	1	155	228	380
UN45523	Rsa1.0.00027.1	1549	283362	0	1465	1527	95 +	10	1534	42802	44316
UN45524	Rsa1.0.00959.1	837	58202	0	552	573	96 -	265	837	23767	24339
UN45525	Rsa1.0.00131.1	460	432233	1.00E-102	218	228	95 -	3	230	388897	389124
UN45526	Rsa1.0.02791.1	1754	27832	0	1742	1748	99 +	3	1749	24497	26244
UN45527	Rsa1.0.03149.1	722	24983	6.00E-42	207	244	84 -	377	618	15465	15698
UN45528	Rsa1.0.00015.1	533	561803	1.00E-119	272	288	94 +	213	497	323683	323970
UN45529	Rsa1.0.00505.1	809	79323	2.00E-76	156	158	98 -	645	802	21785	21941
UN45530	Rsa1.0.00034.1	691	260119	1.00E-127	262	271	96 +	3	272	54685	54955
UN45531	Rsa1.0.01256.1	837	49770	0	546	582	93 +	3	570	39702	40274
UN45532	Rsa1.0.03576.1	663	21986	0	469	485	96 +	16	496	10422	10906
UN45533	Rsa1.0.00793.1	398	64103	9.00E-52	107	108	99 -	59	166	59524	59631
UN45534	Rsa1.0.03668.1	409	21483	7.00E-59	131	136	96 +	75	210	19588	19723
UN45535	Rsa1.0.01127.1	564	53124	0	519	523	99 +	39	559	3400	3922
UN45536	Rsa1.0.05811.1	840	12572	0	526	586	89 +	7	589	273	818
UN45537	Rsa1.0.04934.1	586	143962	1.00E-118	281	304	92 -	87	381	142052	142355
UN45538	Rsa1.0.01467.1	844	45161	1.00E-105	267	294	90 +	570	844	23046	23339
UN45539	Rsa1.0.07704.1	728	8754	1.00E-151	293	300	97 -	230	529	3802	4101
UN45540	Rsa1.0.10199.1	809	5948	1.00E-162	303	306	99 +	505	809	5538	5843
UN45541	Rsa1.0.04801.1	958	15918	0	470	497	94 +	464	956	4138	4627
UN45542	Rsa1.0.01434.1	531	45951	1.00E-109	294	320	91 +	205	523	8195	8511
UN45543	Rsa1.0.00161.1	1163	116891	1.00E-172	310	311	99 +	850	1160	38827	39137
UN45544	Rsa1.0.08129.1	689	7859	1.00E-147	518	602	86 +	6	607	1476	2074
UN45545	Rsa1.0.03447.1	477	22857	2.00E-68	148	152	97 -	3	153	22469	22620
UN45546	Rsa1.0.00001.1	531	363028	1.00E-143	275	279	98 +	256	530	168108	168386
UN45547	Rsa1.0.00456.1	1322	82826	0	471	506	93 +	829	1322	18300	18801
UN45548	Rsa1.0.03538.1	370	22204	0	327	328	99 +	43	370	19974	20301
UN45549	Rsa1.0.02178.1	721	156197	0	693	714	97 -	2	712	903	1616
UN45550	Rsa1.0.11178.1	787	5593	0	633	639	99 -	151	786	1566	2203

UN45551	Rsa1.0.08072.1	445	7955	1.00E-164	352	368	95 -	78	445	5959	6322
UN45552	Rsa1.0.54025.1	900	422	1.00E-155	341	362	94 +	232	581	1	359
UN45553	Rsa1.0.02735.1	792	28344	0	539	549	98 +	2	549	2745	3290
UN45554	Rsa1.0.00075.1	948	146680	1.00E-162	338	353	95 +	222	572	26436	26788
UN45555	Rsa1.0.06900.1	575	131268	0	343	343	100 -	233	575	129912	130254
UN45556	Rsa1.0.22759.1	865	1097	0	609	621	98 -	5	625	80	697
UN45557	Rsa1.0.01317.1	647	48287	0	531	549	96 +	34	582	34128	34676
UN45558	Rsa1.0.00053.1	909	263459	1.00E-157	303	310	97 -	4	313	231766	232075
UN45559	Rsa1.0.02797.1	613	27800	1.00E-145	291	301	96 +	3	303	661	961
UN45560	Rsa1.0.00322.1	776	212233	1.00E-131	277	290	95 +	255	544	206966	207255
UN45561	Rsa1.0.00893.1	461	60626	1.00E-105	245	258	94 +	201	455	47601	47854
UN45562	Rsa1.0.26323.1	552	896	0	500	549	91 +	5	547	107	654
UN45563	Rsa1.0.15714.1	687	2466	0	446	456	97 -	2	455	73	527
UN45564	Rsa1.0.01461.1	924	45240	0	331	333	99 +	1	333	196	528
UN45565	Rsa1.0.01418.1	813	46237	8.00E-94	181	183	98 +	631	813	7008	7190
UN45566	Rsa1.0.02213.1	802	33824	0	553	561	98 -	243	800	2562	3122
UN45567	Rsa1.0.00281.1	810	99908	0	735	737	99 +	74	810	9326	10062
UN45568	Rsa1.0.02600.1	633	29657	0	485	504	96 +	112	613	27779	28278
UN45569	Rsa1.0.00561.1	862	75653	0	411	413	99 -	450	862	66757	67169
UN45570	Rsa1.0.00476.1	933	280966	1.00E-168	381	406	93 +	296	689	165661	166064
UN45571	Rsa1.0.00158.1	897	117999	0	579	611	94 +	4	608	38509	39118
UN45572	Rsa1.0.09186.1	1044	6572	0	432	455	94 -	13	457	5713	6167
UN45573	Rsa1.0.26211.1	427	901	1.00E-102	198	200	99 +	229	427	696	895
UN45574	Rsa1.0.02431.1	610	31504	1.00E-124	345	376	91 +	245	609	26607	26980
UN45575	Rsa1.0.01600.1	660	42537	0	378	385	98 +	272	655	24623	25007
UN45576	Rsa1.0.00959.1	1001	58202	0	640	643	99 +	3	645	56791	57430
UN45577	Rsa1.0.00055.1	946	520193	1.00E-162	302	305	99 +	644	946	321596	321900
UN45578	Rsa1.0.00493.1	652	80007	0	588	622	94 +	33	642	3787	4408
UN45579	Rsa1.0.02144.1	241	34630	1.00E-86	169	170	99 +	73	241	3318	3487
UN45580	Rsa1.0.01287.1	1075	49195	0	496	499	99 -	576	1074	5838	6336
UN45581	Rsa1.0.04225.1	882	18400	0	346	349	99 -	1	348	10919	11267
UN45582	Rsa1.0.02055.1	813	35546	1.00E-137	255	256	99 -	2	256	23577	23832
UN45583	Rsa1.0.04126.1	522	18939	0	473	514	92 -	9	507	15382	15888
UN45584	Rsa1.0.00593.1	592	143463	1.00E-107	218	225	96 -	150	374	55065	55289
UN45585	Rsa1.0.01572.1	808	42995	0	597	602	99 -	212	808	6716	7317
UN45586	Rsa1.0.02448.1	897	31315	0	496	501	99 +	324	821	24478	24978
UN45587	Rsa1.0.00911.1	867	59943	1.00E-124	250	258	96 +	93	350	13349	13606
UN45588	Rsa1.0.04489.1	764	17145	1.00E-52	215	247	87 +	3	241	12659	12901
UN45589	Rsa1.0.00097.1	433	138858	0	422	437	96 +	2	433	84000	84431

UN45590	Rsa1.0.00090.1	1069	273859	1.00E-104	193	193	100 -	1	193	36678	36870
UN45591	Rsa1.0.00132.1	635	124299	1.00E-138	288	304	94 +	345	634	99696	99999
UN45592	Rsa1.0.09269.1	1353	6514	0	439	444	98 +	910	1353	1082	1523
UN45593	Rsa1.0.02185.1	732	34150	0	704	737	95 -	3	732	27262	27998
UN45594	Rsa1.0.01559.1	676	43262	0	660	674	97 -	2	674	8342	9007
UN45595	Rsa1.0.04282.1	728	18100	0	690	730	94 +	3	726	12131	12858
UN45596	Rsa1.0.02270.1	596	249821	0	370	385	96 +	3	387	141003	141382
UN45597	Rsa1.0.05208.1	318	14504	5.00E-87	178	183	97 +	136	318	4025	4207
UN45598	Rsa1.0.15079.1	316	2849	1.00E-164	310	316	98 -	1	316	824	1139
UN45599	Rsa1.0.06454.1	888	10987	1.00E-127	339	375	90 +	515	886	6861	7218
UN45600	Rsa1.0.03377.1	742	23322	0	732	762	96 -	3	742	16978	17738
UN45601	Rsa1.0.01559.1	646	43262	1.00E-178	345	352	98 +	292	643	17333	17682
UN45602	Rsa1.0.02165.1	1101	34423	1.00E-179	404	435	92 -	478	897	23089	23521
UN45603	Rsa1.0.00721.1	676	66918	1.00E-172	320	323	99 +	355	676	59464	59786
UN45604	Rsa1.0.00087.1	713	761073	1.00E-132	242	243	99 -	469	711	102299	102541
UN45605	Rsa1.0.02259.1	674	33299	1.00E-157	301	306	98 +	11	316	20369	20673
UN45606	Rsa1.0.00645.1	735	189716	5.00E-61	136	140	97 -	211	349	4503	4642
UN45607	Rsa1.0.20380.1	959	1311	1.00E-140	262	265	98 -	695	959	520	784
UN45608	Rsa1.0.00016.1	1053	831256	1.00E-154	312	323	96 -	602	921	353888	354210
UN45609	Rsa1.0.03043.1	774	130531	1.00E-155	348	367	94 -	412	774	128240	128603
UN45610	Rsa1.0.05379.1	785	13968	0	435	446	97 -	341	785	7972	8411
UN45611	Rsa1.0.01339.1	651	47813	1.00E-137	323	345	93 +	310	650	29756	30093
UN45612	Rsa1.0.01958.1	973	261128	1.00E-170	364	378	96 -	596	969	119362	119737
UN45613	Rsa1.0.04121.1	691	18951	1.00E-173	416	452	92 -	52	503	13877	14328
UN45614	Rsa1.0.02089.1	775	35163	0	738	774	95 +	2	775	4827	5597
UN45615	Rsa1.0.00407.1	719	191544	1.00E-125	297	318	93 -	3	317	9694	10000
UN45616	Rsa1.0.07295.1	703	9599	0	692	694	99 +	3	696	5757	6450
UN45617	Rsa1.0.00008.1	766	358124	1.00E-134	246	247	99 +	1	247	178343	178589
UN45618	Rsa1.0.00665.1	898	69539	0	514	516	99 -	2	516	15983	16498
UN45619	Rsa1.0.00387.1	791	495407	0	765	792	96 -	2	790	95952	96739
UN45620	Rsa1.0.04033.1	914	19481	1.00E-106	214	220	97 -	183	402	6617	6836
UN45621	Rsa1.0.00071.1	1113	345714	0	401	413	97 -	702	1113	324499	324911
UN45622	Rsa1.0.00116.1	747	365886	0	661	677	97 +	27	700	69573	70248
UN45623	Rsa1.0.20494.1	353	1299	1.00E-114	249	260	95 -	90	347	640	899
UN45624	Rsa1.0.01651.1	854	41586	0	638	642	99 -	211	852	31342	31983
UN45625	Rsa1.0.00369.1	321	266462	1.00E-120	263	276	95 +	27	298	136397	136671
UN45626	Rsa1.0.06128.1	989	11671	0	743	806	92 -	4	809	10606	11408
UN45627	Rsa1.0.00113.1	996	131574	0	928	997	93 +	5	995	59764	60747
UN45628	Rsa1.0.00205.1	575	193401	1.00E-127	293	310	94 -	268	575	79327	79635

UN45629	Rsa1.0.05217.1	1005	142938	0	458	477	96 -	531	1005	129735	130211
UN45630	Rsa1.0.02186.1	799	34150	1.00E-140	262	265	98 -	379	643	12226	12490
UN45631	Rsa1.0.02131.1	833	34754	0	801	837	95 -	3	826	18021	18853
UN45632	Rsa1.0.02157.1	841	149652	3.00E-81	179	186	96 +	553	738	149388	149572
UN45633	Rsa1.0.05326.1	744	14139	1.00E-118	320	354	90 +	362	706	5288	5632
UN45634	Rsa1.0.00115.1	539	131321	1.00E-171	359	376	95 -	19	388	34041	34416
UN45635	Rsa1.0.01591.1	610	42718	0	447	460	97 +	71	530	14800	15259
UN45636	Rsa1.0.02383.1	615	31931	0	566	617	91 -	11	610	22605	23220
UN45637	Rsa1.0.00599.1	686	73418	3.00E-99	193	196	98 +	34	229	41449	41644
UN45638	Rsa1.0.05415.1	525	13830	1.00E-91	438	524	83 +	3	525	6191	6694
UN45639	Rsa1.0.00677.1	665	69159	1.00E-144	377	416	90 -	3	404	17242	17657
UN45640	Rsa1.0.00112.1	1019	132199	1.00E-160	392	431	90 -	387	814	116397	116809
UN45641	Rsa1.0.01016.1	615	181422	6.00E-88	228	245	93 -	360	597	44046	44289
UN45642	Rsa1.0.00294.1	481	144860	7.00E-87	242	265	91 +	217	481	28240	28489
UN45643	Rsa1.0.00585.1	906	74164	0	390	406	96 -	3	404	53737	54141
UN45644	Rsa1.0.18074.1	690	1677	3.00E-71	146	149	97 -	149	297	204	352
UN45645	Rsa1.0.03944.1	653	19926	0	355	356	99 +	1	356	9324	9679
UN45646	Rsa1.0.00332.1	624	94575	1.00E-152	369	396	93 +	223	613	74767	75157
UN45647	Rsa1.0.03114.1	696	25318	0	431	444	97 +	238	679	6565	7006
UN45648	Rsa1.0.00293.1	693	339294	0	521	560	93 +	129	681	301492	302043
UN45649	Rsa1.0.01221.1	688	50421	1.00E-49	107	109	98 +	210	318	48087	48195
UN45650	Rsa1.0.04193.1	883	18571	1.00E-129	287	302	95 -	584	883	4722	5023
UN45651	Rsa1.0.00522.1	926	78103	5.00E-80	155	156	99 +	502	657	49624	49779
UN45652	Rsa1.0.00302.1	741	97521	1.00E-157	349	369	94 +	3	366	33881	34246
UN45653	Rsa1.0.00361.1	770	91181	3.00E-96	248	269	92 +	2	256	45744	46012
UN45654	Rsa1.0.00101.1	1003	267193	0	961	1017	94 +	3	1003	46546	47557
UN45655	Rsa1.0.02089.1	711	35163	0	686	711	96 -	4	711	4827	5537
UN45656	Rsa1.0.00528.1	868	164755	1.00E-180	339	344	98 +	3	346	137841	138183
UN45657	Rsa1.0.07444.1	942	9386	1.00E-147	288	296	97 -	404	699	524	819
UN45658	Rsa1.0.00080.1	1129	190437	0	614	616	99 +	512	1127	188970	189585
UN45659	Rsa1.0.00494.1	598	79967	0	569	598	95 -	3	598	3858	4449
UN45660	Rsa1.0.00159.1	699	431686	2.00E-75	267	306	87 +	401	692	325900	326205
UN45661	Rsa1.0.00716.1	426	67078	8.00E-68	137	139	98 -	77	215	33613	33751
UN45662	Rsa1.0.00425.1	478	147080	9.00E-71	161	168	95 +	312	478	24938	25105
UN45663	Rsa1.0.05181.1	1119	14574	0	845	903	93 -	234	1109	234	1133
UN45664	Rsa1.0.00377.1	776	90038	0	520	538	96 -	240	774	79419	79953
UN45665	Rsa1.0.00116.1	890	365886	0	415	442	93 +	214	640	323709	324147
UN45666	Rsa1.0.00325.1	822	95371	0	517	550	94 -	283	822	59982	60523
UN45667	Rsa1.0.00056.1	872	332604	1.00E-120	296	320	92 +	553	872	108444	108757

UN45668	Rsa1.0.00817.1	780	62961	0	470	492	95 -	286	774	53842	54331
UN45669	Rsa1.0.01070.1	556	55099	0	510	535	95 +	27	556	29899	30432
UN45670	Rsa1.0.03833.1	501	20575	5.00E-97	314	352	89 +	160	501	11313	11659
UN45671	Rsa1.0.04159.1	977	18795	0	885	913	96 -	63	975	5713	6623
UN45672	Rsa1.0.06054.1	738	11847	1.00E-173	373	394	94 +	338	728	1351	1744
UN45673	Rsa1.0.00273.1	785	326186	0	755	786	96 +	2	781	45173	45957
UN45674	Rsa1.0.13604.1	464	4657	6.00E-78	178	188	94 -	192	379	2072	2259
UN45675	Rsa1.0.01054.1	856	55470	0	822	863	95 -	3	856	23643	24505
UN45676	Rsa1.0.38361.1	770	587	0	357	360	99 -	351	710	1	360
UN45677	Rsa1.0.01585.1	504	42806	1.00E-115	225	229	98 +	2	230	14580	14806
UN45678	Rsa1.0.00350.1	702	92346	3.00E-71	150	153	98 -	547	698	79965	80117
UN45679	Rsa1.0.00218.1	1094	201480	0	874	875	99 +	219	1092	177033	177907
UN45680	Rsa1.0.04806.1	518	15898	0	345	346	99 -	1	346	7295	7640
UN45681	Rsa1.0.00254.1	1346	102600	0	529	557	94 +	1	554	52292	52845
UN45682	Rsa1.0.05605.1	839	13202	0	728	771	94 -	82	835	8277	9044
UN45683	Rsa1.0.00179.1	834	393324	0	802	849	94 -	3	832	373936	374784
UN45684	Rsa1.0.04870.1	942	135142	1.00E-159	313	321	97 -	326	645	638	958
UN45685	Rsa1.0.31506.1	1361	725	0	560	561	99 +	801	1361	1	561
UN45686	Rsa1.0.00038.1	828	314568	3.00E-84	178	184	96 -	462	641	16227	16410
UN45687	Rsa1.0.01529.1	1126	43871	4.00E-75	185	198	93 +	930	1124	34610	34807
UN45688	Rsa1.0.00157.1	585	245832	1.00E-147	286	293	97 +	200	492	160498	160785
UN45689	Rsa1.0.01233.1	748	50184	0	459	492	93 +	1	490	41791	42278
UN45690	Rsa1.0.00889.1	667	60978	0	428	431	99 -	3	433	44040	44470
UN45691	Rsa1.0.08957.1	792	6754	0	498	511	97 +	276	786	5841	6350
UN45692	Rsa1.0.00207.1	753	248736	0	458	472	97 +	271	742	22544	23010
UN45693	Rsa1.0.09236.1	1093	6540	1.00E-113	291	321	90 +	366	674	5496	5816
UN45694	Rsa1.0.00657.1	719	69858	1.00E-108	312	348	89 -	371	712	3223	3556
UN45695	Rsa1.0.04291.1	1136	18055	1.00E-103	241	254	94 +	885	1136	6256	6502
UN45696	Rsa1.0.00898.1	969	202772	0	758	820	92 +	161	969	17461	18265
UN45697	Rsa1.0.10909.1	627	5681	0	396	417	94 -	41	457	87	503
UN45698	Rsa1.0.01105.1	659	53958	3.00E-99	190	192	98 +	94	285	10354	10545
UN45699	Rsa1.0.32375.1	737	703	1.00E-131	330	363	90 +	384	737	7	352
UN45700	Rsa1.0.00583.1	695	74309	1.00E-166	327	336	97 -	123	457	71950	72285
UN45701	Rsa1.0.00287.1	709	98687	1.00E-162	296	298	99 +	204	501	15492	15789
UN45702	Rsa1.0.00154.1	578	189461	1.00E-119	254	265	95 -	314	578	79520	79782
UN45703	Rsa1.0.03976.1	800	19759	1.00E-178	338	344	98 +	459	800	12264	12607
UN45704	Rsa1.0.02265.1	833	33233	0	803	830	96 +	3	831	15650	16479
UN45705	Rsa1.0.00543.1	720	76788	0	651	683	95 +	46	720	35876	36553
UN45706	Rsa1.0.00476.1	608	280966	1.00E-118	219	220	99 -	389	608	236963	237182

UN45707	Rsa1.0.01355.1	671	47303	0	534	576	92 -	105	671	39415	39990
UN45708	Rsa1.0.02053.1	306	35554	1.00E-74	189	201	94 +	108	305	32689	32883
UN45709	Rsa1.0.00967.1	634	58049	1.00E-171	327	334	97 -	61	394	49368	49698
UN45710	Rsa1.0.05482.1	631	13595	1.00E-126	235	237	99 -	394	630	4316	4552
UN45711	Rsa1.0.02221.1	779	33796	0	726	770	94 -	10	777	18421	19184
UN45712	Rsa1.0.05336.1	838	14117	1.00E-102	313	351	89 -	1	344	11121	11457
UN45713	Rsa1.0.07055.1	801	9970	1.00E-169	350	366	95 -	78	443	2701	3061
UN45714	Rsa1.0.00124.1	886	262503	0	802	833	96 +	6	838	56753	57579
UN45715	Rsa1.0.01272.1	826	49553	1.00E-138	282	292	96 -	535	826	36826	37115
UN45716	Rsa1.0.01647.1	1026	41645	0	495	495	100 -	3	497	12151	12645
UN45717	Rsa1.0.00800.1	625	63868	1.00E-143	355	388	91 -	240	625	19320	19688
UN45718	Rsa1.0.00335.1	854	94371	1.00E-159	302	307	98 -	51	354	34545	34851
UN45719	Rsa1.0.02504.1	730	30706	6.00E-45	99	101	98 -	437	537	7197	7297
UN45720	Rsa1.0.00220.1	630	192936	1.00E-85	295	337	87 -	274	589	152921	153256
UN45721	Rsa1.0.19409.1	515	1436	5.00E-88	174	177	98 +	50	226	1	177
UN45722	Rsa1.0.02110.1	993	34919	1.00E-120	261	274	95 +	8	281	14053	14324
UN45723	Rsa1.0.00722.1	607	66840	1.00E-153	329	345	95 -	259	603	49808	50149
UN45724	Rsa1.0.01604.1	775	42461	0	401	410	97 +	12	421	28874	29283
UN45725	Rsa1.0.01185.1	922	149842	0	907	922	98 -	2	922	134703	135622
UN45726	Rsa1.0.00040.1	765	324196	0	424	445	95 +	318	762	223524	223967
UN45727	Rsa1.0.00341.1	711	249309	1.00E-107	206	209	98 -	174	382	128945	129153
UN45728	Rsa1.0.02378.1	648	31991	2.33E-156	377	409	92 -	244	648	14234	14634
UN45729	Rsa1.0.01435.1	858	45942	0	555	587	94 -	4	588	41024	41595
UN45730	Rsa1.0.03577.1	921	143993	0	882	943	93 -	3	921	8172	9111
UN45731	Rsa1.0.01376.1	523	47004	1.00E-164	353	369	95 +	154	521	46244	46606
UN45732	Rsa1.0.05546.1	1116	13379	1.00E-167	302	303	99 -	418	720	7592	7894
UN45733	Rsa1.0.04377.1	676	17658	0	403	425	94 +	252	673	5747	6170
UN45734	Rsa1.0.00122.1	711	265937	0	533	574	92 -	151	708	62624	63190
UN45735	Rsa1.0.00174.1	837	115363	0	588	598	98 +	240	837	38178	38771
UN45736	Rsa1.0.01411.1	1022	46326	0	676	705	95 -	324	1022	30171	30869
UN45737	Rsa1.0.02422.1	1033	161122	0	526	595	88 -	43	614	158865	159432
UN45738	Rsa1.0.01263.1	740	49703	1.00E-161	330	346	95 +	406	740	42751	43096
UN45739	Rsa1.0.00139.1	750	357786	0	726	757	95 -	1	749	297244	297993
UN45740	Rsa1.0.04051.1	1012	19375	1.00E-151	325	340	95 -	673	1011	11803	12141
UN45741	Rsa1.0.06663.1	532	10576	1.00E-54	246	288	85 -	14	293	8602	8883
UN45742	Rsa1.0.01478.1	731	44991	0	551	577	95 +	159	729	31257	31830
UN45743	Rsa1.0.71239.1	781	322	1.00E-111	223	229	97 +	3	231	8	236
UN45744	Rsa1.0.03258.1	866	24302	1.00E-101	221	231	95 -	633	862	11080	11310
UN45745	Rsa1.0.02057.1	855	35540	3.00E-44	107	112	95 +	536	647	10641	10752

UN45746	Rsa1.0.00089.1	759	406142	1.00E-173	357	372	95 -	3	374	179756	180126
UN45747	Rsa1.0.00543.1	620	76788	0	547	575	95 +	53	618	35876	36446
UN45748	Rsa1.0.00307.1	512	199003	1.00E-139	373	409	91 -	105	511	57706	58110
UN45749	Rsa1.0.00122.1	627	265937	1.00E-164	436	475	91 -	127	586	247406	247866
UN45750	Rsa1.0.00270.1	666	101236	0	632	671	94 -	3	665	25065	25728
UN45751	Rsa1.0.00215.1	718	201775	1.00E-159	306	313	97 -	4	316	194883	195195
UN45752	Rsa1.0.00446.1	742	167829	1.00E-172	380	400	95 +	343	742	129961	130354
UN45753	Rsa1.0.00044.1	940	271658	1.00E-93	201	207	97 +	651	857	156101	156305
UN45754	Rsa1.0.05545.1	873	13379	1.00E-179	358	370	96 +	30	399	4330	4693
UN45755	Rsa1.0.00030.1	672	250988	1.00E-117	240	248	96 +	12	259	150152	150396
UN45756	Rsa1.0.00701.1	546	67691	0	540	544	99 +	1	544	5908	6451
UN45757	Rsa1.0.00176.1	642	240984	1.00E-103	220	226	97 -	1	223	186687	186911
UN45758	Rsa1.0.00614.1	690	72276	0	364	368	98 +	322	688	44076	44443
UN45759	Rsa1.0.01245.1	911	149868	1.00E-158	373	395	94 +	9	400	36309	36695
UN45760	Rsa1.0.06392.1	617	11104	1.00E-163	375	404	92 -	8	393	10628	11030
UN45761	Rsa1.0.00125.1	678	253043	1.00E-174	364	379	96 +	3	380	169663	170036
UN45762	Rsa1.0.02387.1	778	31890	0	482	523	92 -	1	507	17300	17818
UN45763	Rsa1.0.00012.1	687	222148	1.00E-131	328	357	91 -	5	356	69957	70301
UN45764	Rsa1.0.13538.1	664	4746	6.00E-79	150	150	100 +	503	652	1	150
UN45765	Rsa1.0.04103.1	740	19048	0	373	378	98 -	325	702	9022	9399
UN45766	Rsa1.0.01560.1	774	43256	1.00E-117	231	236	97 -	8	239	30828	31063
UN45767	Rsa1.0.00564.1	1063	75428	0	836	861	97 +	1	859	73602	74460
UN45768	Rsa1.0.02177.1	680	34262	0	679	680	99 +	1	679	14544	15223
UN45769	Rsa1.0.00194.1	624	110851	0	603	647	93 -	1	622	75125	75767
UN45770	Rsa1.0.00213.1	532	108167	8.00E-87	241	260	92 -	71	322	39776	40034
UN45771	Rsa1.0.00098.1	537	349239	1.00E-121	260	272	95 -	267	537	234166	234437
UN45772	Rsa1.0.01410.1	678	46345	0	528	552	95 +	133	678	44525	45075
UN45773	Rsa1.0.00800.1	821	63868	0	574	594	96 +	239	821	56110	56703
UN45774	Rsa1.0.00071.1	355	345714	1.00E-78	192	204	94 +	51	250	206313	206512
UN45775	Rsa1.0.00544.1	730	76787	3.00E-90	181	184	98 +	4	185	44976	45159
UN45776	Rsa1.0.01143.1	688	52456	0	683	689	99 +	1	688	7608	8296
UN45777	Rsa1.0.00017.1	1029	752458	0	352	357	98 -	1	357	41954	42310
UN45778	Rsa1.0.00110.1	1150	132719	1.00E-164	382	408	93 -	16	423	4280	4683
UN45779	Rsa1.0.05085.1	681	14889	5.00E-70	166	175	94 +	18	192	13813	13986
UN45780	Rsa1.0.01881.1	525	37721	1.00E-130	235	235	100 -	291	525	22879	23113
UN45781	Rsa1.0.00130.1	697	125737	0	342	343	99 +	1	343	10687	11029
UN45782	Rsa1.0.00894.1	886	269700	1.00E-147	513	593	86 +	257	811	130217	130795
UN45783	Rsa1.0.00084.1	566	142338	0	555	556	99 -	9	564	39377	39932
UN45784	Rsa1.0.01263.1	719	49703	0	336	341	98 -	2	342	42751	43091

UN45785	Rsa1.0_03978.1	691	19753	1.00E-149	294	302	97 -	9	307	11983	12284
UN45786	Rsa1.0_00120.1	982	277288	1.00E-167	311	314	99 +	1	314	118237	118549
UN45787	Rsa1.0_00588.1	746	73939	1.00E-114	266	282	94 +	3	282	53285	53566
UN45788	Rsa1.0_06503.1	917	10881	0	824	859	95 +	2	853	6459	7312
UN45789	Rsa1.0_02173.1	380	34318	4.00E-60	139	145	95 -	160	302	15924	16068
UN45790	Rsa1.0_01281.1	671	49313	0	610	623	97 -	47	669	26768	27383
UN45791	Rsa1.0_22782.1	790	1095	0	433	434	99 +	1	433	437	870
UN45792	Rsa1.0_04079.1	445	19202	7.00E-96	196	202	97 +	1	202	14315	14516
UN45793	Rsa1.0_06032.1	646	11886	5.00E-73	222	247	89 +	16	251	7615	7859
UN45794	Rsa1.0_00011.1	1093	225044	0	371	384	96 +	719	1093	215934	216316
UN45795	Rsa1.0_00863.1	735	254535	0	350	351	99 +	39	389	239463	239813
UN45796	Rsa1.0_00045.1	813	328694	0	445	482	92 -	3	481	232292	232756
UN45797	Rsa1.0_07530.1	864	9191	1.00E-151	275	276	99 +	1	276	2377	2652
UN45798	Rsa1.0_00066.1	1379	152418	2.33E-156	339	361	93 -	1	360	60921	61266
UN45799	Rsa1.0_03520.1	873	22327	1.00E-99	270	297	90 +	2	296	1459	1741
UN45800	Rsa1.0_02909.1	868	26856	1.00E-169	317	322	98 -	541	862	10343	10664
UN45801	Rsa1.0_00066.1	1004	152418	1.00E-137	345	374	92 -	110	476	66556	66926
UN45802	Rsa1.0_00168.1	652	115870	1.00E-115	211	211	100 -	271	481	35634	35844
UN45803	Rsa1.0_39987.1	608	562	1.00E-175	327	332	98 -	79	410	231	562
UN45804	Rsa1.0_00275.1	588	210104	1.00E-100	251	275	91 -	14	277	157269	157538
UN45805	Rsa1.0_04318.1	1201	17947	1.00E-117	237	244	97 +	1	244	4049	4288
UN45806	Rsa1.0_00909.1	748	59976	0	459	460	99 -	3	461	4592	5051
UN45807	Rsa1.0_01403.1	660	46453	2.00E-81	157	158	99 +	363	520	26104	26261
UN45808	Rsa1.0_03605.1	694	21827	0	688	697	98 +	1	694	17748	18443
UN45809	Rsa1.0_02420.1	833	31580	0	664	664	100 +	2	665	15980	16643
UN45810	Rsa1.0_00173.1	667	288743	1.00E-127	237	239	99 +	194	432	282437	282675
UN45811	Rsa1.0_00374.1	877	165738	0	444	454	97 +	424	874	96360	96813
UN45812	Rsa1.0_00886.1	1071	167350	0	519	543	95 +	1	537	12539	13077
UN45813	Rsa1.0_08338.1	741	7511	1.00E-160	292	294	99 -	3	296	1989	2282
UN45814	Rsa1.0_00336.1	950	445051	1.00E-159	334	350	95 -	373	719	25591	25940
UN45815	Rsa1.0_37098.1	689	608	1.00E-170	303	303	100 +	1	303	136	438
UN45816	Rsa1.0_02128.1	1001	34758	0	461	510	90 +	520	999	25609	26118
UN45817	Rsa1.0_02607.1	728	29629	0	639	717	89 -	8	714	21581	22296
UN45818	Rsa1.0_02792.1	542	27829	1.00E-170	328	334	98 -	1	333	21579	21910
UN45819	Rsa1.0_33589.1	776	675	1.00E-120	298	324	91 -	1	315	45	368
UN45820	Rsa1.0_01154.1	1074	52249	0	399	405	98 +	391	795	34910	35314
UN45821	Rsa1.0_01387.1	1024	46745	1.00E-164	312	317	98 +	450	766	31760	32075
UN45822	Rsa1.0_01981.1	560	36537	0	525	535	98 +	25	559	3619	4149
UN45823	Rsa1.0_00213.1	801	108167	0	457	483	94 -	5	479	62067	62547

UN45824	Rsa1.0.00407.1	652	191544	0	640	661	96 +	1	652	166096	166754
UN45825	Rsa1.0.04396.1	1236	17561	1.00E-84	204	216	94 -	1022	1236	7412	7626
UN45826	Rsa1.0.00684.1	608	141701	1.00E-106	279	310	90 -	65	350	32546	32855
UN45827	Rsa1.0.00470.1	849	81968	0	602	644	93 -	208	844	51443	52075
UN45828	Rsa1.0.00055.1	855	520193	6.00E-98	182	182	100 -	541	722	309877	310058
UN45829	Rsa1.0.00055.1	946	520193	1.00E-168	319	324	98 +	623	946	336224	336546
UN45830	Rsa1.0.03455.1	606	22804	0	599	606	98 -	1	605	2417	3017
UN45831	Rsa1.0.07504.1	765	9237	1.00E-173	308	308	100 +	2	309	7987	8294
UN45832	Rsa1.0.00054.1	593	162053	1.00E-107	198	198	100 +	394	591	85898	86095
UN45833	Rsa1.0.22665.1	1026	1104	0	946	1017	93 +	1	1013	106	1104
UN45834	Rsa1.0.00008.1	619	358124	0	484	487	99 +	129	615	142935	143420
UN45835	Rsa1.0.00054.1	688	162053	1.00E-153	281	283	99 +	1	283	86542	86824
UN45836	Rsa1.0.00693.1	1138	161311	0	471	473	99 +	665	1136	64456	64928
UN45837	Rsa1.0.00878.1	772	330303	0	597	629	94 +	12	633	9075	9703
UN45838	Rsa1.0.04203.1	888	18479	0	436	450	96 -	26	475	14477	14920
UN45839	Rsa1.0.00236.1	849	104771	0	415	428	96 -	21	448	100657	101084
UN45840	Rsa1.0.00105.1	1168	134138	0	516	543	95 +	159	701	60017	60550
UN45841	Rsa1.0.01171.1	840	51752	1.00E-112	215	218	98 +	189	406	49854	50071
UN45842	Rsa1.0.03569.1	652	22041	9.00E-81	226	250	90 +	3	247	9019	9259
UN45843	Rsa1.0.03352.1	652	23506	0	560	579	96 -	74	652	14552	15130
UN45844	Rsa1.0.21578.1	710	1190	1.00E-98	289	329	87 +	1	329	545	844
UN45845	Rsa1.0.03431.1	784	22974	0	472	474	99 +	1	474	16417	16890
UN45846	Rsa1.0.01552.1	735	43396	0	385	388	99 -	347	733	11472	11859
UN45847	Rsa1.0.03843.1	854	20496	1.00E-89	266	296	89 -	140	434	4496	4790
UN45848	Rsa1.0.00409.1	505	146788	1.00E-179	320	321	99 -	2	322	87749	88069
UN45849	Rsa1.0.05522.1	515	13441	4.00E-76	168	175	96 -	339	513	8265	8436
UN45850	Rsa1.0.03661.1	841	21513	0	830	841	98 +	1	841	20502	21341
UN45851	Rsa1.0.00589.1	775	209965	1.00E-137	257	260	98 +	506	765	10558	10817
UN45852	Rsa1.0.07809.1	1014	8503	0	956	1014	94 -	1	990	1020	2026
UN45853	Rsa1.0.03819.1	1204	20668	0	724	729	99 -	1	728	19043	19771
UN45854	Rsa1.0.01119.1	711	53459	1.00E-131	266	273	97 +	226	497	12039	12310
UN45855	Rsa1.0.00033.1	685	515811	5.00E-70	168	181	92 -	5	174	35164	35344
UN45856	Rsa1.0.00061.1	555	218685	2.33E-156	269	270	99 -	285	553	63222	63491
UN45857	Rsa1.0.00782.1	417	64468	1.00E-174	350	362	96 -	1	362	13384	13744
UN45858	Rsa1.0.04561.1	671	16849	1.00E-73	144	145	99 -	55	199	9818	9962
UN45859	Rsa1.0.00663.1	891	164969	1.00E-168	306	307	99 -	583	889	126399	126704
UN45860	Rsa1.0.02267.1	531	33194	1.00E-134	310	332	93 -	4	321	12085	12416
UN45861	Rsa1.0.02948.1	603	26526	1.00E-170	303	303	100 +	301	603	6495	6797
UN45862	Rsa1.0.01985.1	550	36491	0	368	374	98 +	177	550	25011	25384

UN45863	Rsa1.0.00343.1	1014	93570	1.00E-142	256	256	100 +	1	256	69798	70053
UN45864	Rsa1.0.02592.1	733	29751	1.00E-161	291	292	99 -	338	629	17131	17422
UN45865	Rsa1.0.00405.1	993	202864	0	593	620	95 -	1	601	154781	155400
UN45866	Rsa1.0.00040.1	534	324196	1.00E-177	338	346	97 +	3	348	291990	292335
UN45867	Rsa1.0.02859.1	473	162118	1.00E-166	359	378	94 -	2	376	154217	154588
UN45868	Rsa1.0.00139.1	762	357786	0	422	425	99 -	339	762	314386	314810
UN45869	Rsa1.0.14744.1	780	3111	1.00E-130	427	488	87 -	294	780	743	1229
UN45870	Rsa1.0.01026.1	692	171624	0	357	359	99 -	333	691	166493	166851
UN45871	Rsa1.0.00637.1	638	71038	1.00E-143	348	370	94 +	276	638	27777	28143
UN45872	Rsa1.0.00833.1	765	62621	1.00E-148	276	278	99 -	1	278	9801	10077
UN45873	Rsa1.0.01270.1	859	49574	1.00E-171	317	320	99 -	540	858	26262	26581
UN45874	Rsa1.0.00451.1	1280	322533	0	368	379	97 +	369	747	161829	162207
UN45875	Rsa1.0.00336.1	605	445051	0	525	574	91 -	40	591	174778	175351
UN45876	Rsa1.0.00396.1	235	88242	3.00E-81	178	185	96 -	1	185	49389	49572
UN45877	Rsa1.0.01484.1	530	44806	1.00E-131	248	250	99 -	2	251	28137	28385
UN45878	Rsa1.0.00280.1	425	99966	0	403	418	96 -	9	423	38323	38739
UN45879	Rsa1.0.07319.1	781	9561	0	765	779	98 +	2	779	4450	5222
UN45880	Rsa1.0.00670.1	269	69371	1.00E-113	215	217	99 +	2	216	35182	35398
UN45881	Rsa1.0.02175.1	690	34312	1.00E-128	238	240	99 +	5	244	29383	29622
UN45882	Rsa1.0.08744.1	607	6970	0	492	511	96 +	10	518	5426	5934
UN45883	Rsa1.0.00539.1	1203	76926	0	560	562	99 -	1	562	8668	9229
UN45884	Rsa1.0.02358.1	561	32213	1.00E-164	295	296	99 +	217	512	14881	15176
UN45885	Rsa1.0.53358.1	882	427	2.00E-73	141	141	100 +	340	480	211	351
UN45886	Rsa1.0.00014.1	877	348985	0	593	602	98 -	2	599	164692	165293
UN45887	Rsa1.0.01763.1	887	39659	1.00E-173	308	308	100 -	580	887	39352	39659
UN45888	Rsa1.0.10442.1	892	5849	1.00E-136	307	328	93 -	563	889	1194	1510
UN45889	Rsa1.0.00773.1	968	64839	1.00E-96	201	208	96 +	370	577	58210	58417
UN45890	Rsa1.0.01220.1	1122	161775	1.00E-124	318	347	91 -	1	345	7326	7659
UN45891	Rsa1.0.00048.1	1361	167185	0	513	522	98 -	382	900	109464	109985
UN45892	Rsa1.0.00594.1	366	73729	0	365	366	99 -	1	366	48209	48573
UN45893	Rsa1.0.00119.1	827	467509	0	467	467	100 -	1	467	47686	48152
UN45894	Rsa1.0.07201.1	670	9732	0	401	401	100 -	1	401	159	559
UN45895	Rsa1.0.01168.1	461	153765	3.00E-70	224	251	89 -	214	457	23488	23728
UN45896	Rsa1.0.08223.1	686	7700	0	412	433	95 +	235	667	6338	6765
UN45897	Rsa1.0.00487.1	829	80674	0	610	652	93 +	184	827	75550	76201
UN45898	Rsa1.0.00877.1	1069	61305	0	630	644	97 +	3	643	13969	14612
UN45899	Rsa1.0.01434.1	913	45951	6.00E-89	180	183	98 -	1	182	33268	33450
UN45900	Rsa1.0.00169.1	682	274298	0	591	651	90 -	28	658	109181	109822
UN45901	Rsa1.0.00356.1	765	91521	0	471	494	95 -	1	490	35009	35497

UN45902	Rsa1.0_01929.1	914	37191	0	600	640	93 +	32	669	27590	28219
UN45903	Rsa1.0_00203.1	1018	109129	9.00E-85	184	192	95 +	138	329	21777	21968
UN45904	Rsa1.0_02914.1	430	26815	1.00E-140	348	375	92 -	4	369	25036	25408
UN45905	Rsa1.0_00343.1	541	93570	1.00E-141	283	293	96 -	253	539	62864	63156
UN45906	Rsa1.0_00420.1	603	86496	0	460	471	97 -	132	602	54592	55062
UN45907	Rsa1.0_08078.1	582	7944	1.00E-180	401	425	94 -	8	425	6746	7167
UN45908	Rsa1.0_00019.1	753	301669	0	539	586	91 +	7	590	119747	120307
UN45909	Rsa1.0_01948.1	780	36966	0	420	421	99 -	358	778	15165	15585
UN45910	Rsa1.0_01018.1	427	56685	2.33E-156	405	448	90 +	1	425	43096	43539
UN45911	Rsa1.0_00451.1	972	322533	6.00E-89	278	314	88 +	670	970	13841	14145
UN45912	Rsa1.0_00071.1	701	345714	1.00E-130	276	287	96 +	12	297	66081	66365
UN45913	Rsa1.0_01253.1	701	49812	0	696	697	99 +	1	697	37217	37913
UN45914	Rsa1.0_04124.1	858	18945	1.00E-164	302	305	99 +	552	856	8363	8667
UN45915	Rsa1.0_00622.1	723	71822	0	499	505	98 +	1	500	36279	36783
UN45916	Rsa1.0_00205.1	843	193401	0	799	841	95 +	2	842	183984	184806
UN45917	Rsa1.0_13958.1	847	4005	0	398	399	99 +	447	845	2529	2927
UN45918	Rsa1.0_00043.1	831	264937	0	340	344	98 +	1	342	123233	123576
UN45919	Rsa1.0_00141.1	859	121494	0	651	653	99 -	205	857	15613	16265
UN45920	Rsa1.0_00316.1	1047	96264	0	377	382	98 +	7	388	30658	31039
UN45921	Rsa1.0_06133.1	1195	11663	0	566	570	99 -	2	571	9656	10225
UN45922	Rsa1.0_04949.1	741	15356	0	386	391	98 +	16	406	889	1279
UN45923	Rsa1.0_00252.1	663	102760	0	630	653	96 +	1	646	670	1322
UN45924	Rsa1.0_00942.1	739	58873	0	470	504	93 -	7	504	2905	3405
UN45925	Rsa1.0_01606.1	754	42432	1.00E-137	287	298	96 -	6	303	29730	30019
UN45926	Rsa1.0_01750.1	763	39816	1.00E-135	281	290	96 +	103	388	25450	25738
UN45927	Rsa1.0_00058.1	580	159921	0	390	402	97 +	1	402	49043	49442
UN45928	Rsa1.0_05510.1	916	13470	1.00E-139	267	272	98 +	3	274	1624	1895
UN45929	Rsa1.0_33257.1	966	683	1.00E-71	144	146	98 +	82	227	1	146
UN45930	Rsa1.0_47762.1	966	474	0	471	474	99 -	401	874	1	474
UN45931	Rsa1.0_00056.1	563	332604	1.00E-165	298	299	99 -	1	299	310249	310547
UN45932	Rsa1.0_00173.1	787	288743	1.00E-179	440	479	91 -	1	476	64738	65214
UN45933	Rsa1.0_00263.1	927	224968	1.00E-135	335	369	90 +	7	355	125154	125521
UN45934	Rsa1.0_00304.1	834	97429	0	351	356	98 -	1	353	70392	70747
UN45935	Rsa1.0_00075.1	830	146680	0	453	454	99 +	2	455	6940	7393
UN45936	Rsa1.0_00121.1	844	278029	0	460	460	100 +	186	645	104589	105048
UN45937	Rsa1.0_00017.1	851	752458	0	418	426	98 +	3	428	138949	139373
UN45938	Rsa1.0_00637.1	767	71038	0	703	768	91 -	5	740	4591	5347
UN45939	Rsa1.0_09063.1	717	6675	1.00E-166	360	382	94 +	1	370	1797	2178
UN45940	Rsa1.0_00350.1	1116	92346	0	567	576	98 -	519	1091	41589	42164

UN45941	Rsa1.0_00099.1	727	159619	0	725	726	99 +	1	726	33432	34157
UN45942	Rsa1.0_00478.1	704	81419	0	372	383	97 +	1	382	62347	62725
UN45943	Rsa1.0_00910.1	663	59975	0	517	554	93 -	22	565	30391	30943
UN45944	Rsa1.0_04029.1	756	19491	0	486	521	93 +	1	516	8457	8963
UN45945	Rsa1.0_07863.1	1107	8404	0	462	484	95 -	623	1105	631	1095
UN45946	Rsa1.0_00476.1	710	280966	0	459	468	98 +	1	468	259644	260111
UN45947	Rsa1.0_02048.1	1086	35605	0	472	474	99 -	231	704	24818	25291
UN45948	Rsa1.0_01248.1	617	154103	1.00E-157	333	345	96 -	240	581	42881	43224
UN45949	Rsa1.0_02851.1	652	27295	1.00E-126	292	308	94 +	1	304	17653	17958
UN45950	Rsa1.0_08151.1	573	7830	1.00E-155	321	333	96 +	244	573	2513	2845
UN45951	Rsa1.0_06247.1	714	11395	1.00E-92	197	205	96 +	5	209	8671	8875
UN45952	Rsa1.0_07732.1	899	8695	1.00E-159	302	307	98 -	1	307	1309	1612
UN45953	Rsa1.0_00094.1	880	139042	0	435	438	99 -	1	437	92426	92863
UN45954	Rsa1.0_01077.1	843	54772	0	656	696	94 +	3	686	7435	8129
UN45955	Rsa1.0_02681.1	681	28711	0	357	360	99 +	9	367	5925	6284
UN45956	Rsa1.0_02857.1	420	27254	0	416	424	98 +	1	419	13184	13607
UN45957	Rsa1.0_00305.1	891	97308	1.00E-156	342	362	94 +	17	375	78733	79094
UN45958	Rsa1.0_16677.1	671	2069	4.00E-89	184	189	97 -	321	506	1746	1934
UN45959	Rsa1.0_00257.1	724	102407	0	682	729	93 +	12	722	14790	15502
UN45960	Rsa1.0_00546.1	591	76523	1.00E-168	350	365	95 -	5	364	11381	11745
UN45961	Rsa1.0_00402.1	1329	385315	1.00E-177	322	324	99 -	1	324	86468	86791
UN45962	Rsa1.0_00265.1	864	220635	0	813	854	95 -	29	863	187795	188644
UN45963	Rsa1.0_01553.1	753	43379	1.00E-132	246	248	99 -	1	248	7944	8191
UN45964	Rsa1.0_00272.1	598	447836	0	366	368	99 -	7	374	83797	84164
UN45965	Rsa1.0_00437.1	915	84879	0	324	324	100 +	545	868	22576	22899
UN45966	Rsa1.0_04066.1	641	19262	0	370	373	99 -	267	639	7131	7503
UN45967	Rsa1.0_01170.1	751	161131	0	716	728	98 +	17	738	130492	131218
UN45968	Rsa1.0_00477.1	868	81556	0	569	573	99 -	3	575	38195	38766
UN45969	Rsa1.0_00274.1	777	210119	1.00E-137	251	252	99 -	289	540	207848	208099
UN45970	Rsa1.0_01301.1	729	169072	1.00E-112	218	222	98 -	314	535	12980	13201
UN45971	Rsa1.0_02114.1	756	34873	1.00E-139	270	275	98 -	354	628	3319	3592
UN45972	Rsa1.0_01277.1	828	49375	0	796	826	96 +	6	820	21373	22194
UN45973	Rsa1.0_01883.1	687	37661	1.00E-143	355	385	92 -	4	382	22302	22680
UN45974	Rsa1.0_09538.1	838	6301	3.00E-87	228	246	92 -	594	838	2190	2431
UN45975	Rsa1.0_09943.1	589	6076	1.00E-73	171	181	94 +	1	181	413	593
UN45976	Rsa1.0_01706.1	749	40694	1.00E-127	237	239	99 +	106	344	28390	28628
UN45977	Rsa1.0_00183.1	549	113277	1.00E-165	303	306	99 +	243	548	53484	53789
UN45978	Rsa1.0_01481.1	1049	184562	0	380	384	98 -	664	1047	180895	181276
UN45979	Rsa1.0_00500.1	1038	272308	0	335	337	99 -	702	1038	3724	4060

UN45980	Rsa1.0_00247.1	966	103408	1.00E-171	346	359	96 -	606	964	68639	68989
UN45981	Rsa1.0_03137.1	1012	25105	0	461	466	98 +	549	1012	16351	16815
UN45982	Rsa1.0_00802.1	739	63846	0	373	379	98 +	311	686	26570	26948
UN45983	Rsa1.0_19040.1	833	1491	1.00E-168	370	392	94 +	329	719	953	1344
UN45984	Rsa1.0_02948.1	495	26526	1.00E-91	188	191	98 +	296	486	6495	6683
UN45985	Rsa1.0_13462.1	1189	4808	0	618	641	96 -	3	641	1	639
UN45986	Rsa1.0_00734.1	700	66508	0	446	449	99 -	1	449	44657	45105
UN45987	Rsa1.0_00486.1	430	80875	1.00E-94	226	241	93 +	2	242	34933	35163
UN45988	Rsa1.0_09006.1	760	6715	0	590	613	96 -	147	749	4295	4906
UN45989	Rsa1.0_00678.1	609	193163	1.00E-124	249	255	97 -	193	443	26837	27091
UN45990	Rsa1.0_14084.1	1283	3822	0	442	452	97 -	370	821	281	732
UN45991	Rsa1.0_08909.1	621	6799	0	434	459	94 +	165	613	5192	5646
UN45992	Rsa1.0_07059.1	619	9962	4.00E-89	257	284	90 -	276	555	3573	3854
UN45993	Rsa1.0_00369.1	593	266462	1.00E-95	225	238	94 +	327	564	10326	10556
UN45994	Rsa1.0_00161.1	740	116891	0	720	755	95 +	2	740	55266	56006
UN45995	Rsa1.0_07931.1	653	8236	1.00E-67	167	179	93 +	38	211	429	607
UN45996	Rsa1.0_00654.1	700	70012	1.00E-152	333	350	95 +	294	638	41118	41467
UN45997	#	#	#	#	#	#	#	#	#	#	#
UN45998	Rsa1.0_00178.1	855	114861	0	578	602	96 +	266	852	6063	6663
UN45999	Rsa1.0_04279.1	1264	18113	1.00E-172	319	323	98 +	942	1264	16443	16765
UN46000	Rsa1.0_00203.1	653	109129	0	586	637	91 +	11	645	54511	55143
UN46001	Rsa1.0_01059.1	791	55410	0	747	789	94 -	2	790	28351	29119
UN46002	Rsa1.0_04136.1	904	18901	0	379	381	99 -	523	903	7773	8153
UN46003	Rsa1.0_00019.1	737	301669	0	648	668	97 +	8	674	237115	237782
UN46004	Rsa1.0_05056.1	652	14981	0	346	346	100 -	3	348	9065	9410
UN46005	Rsa1.0_01126.1	827	53127	0	394	407	96 -	358	763	51583	51988
UN46006	Rsa1.0_03569.1	925	22041	1.00E-115	252	267	94 -	594	851	10367	10633
UN46007	Rsa1.0_01591.1	645	42718	0	593	650	91 +	8	641	14305	14942
UN46008	Rsa1.0_04340.1	830	17831	1.00E-134	323	353	91 +	478	828	16410	16745
UN46009	Rsa1.0_02199.1	1044	33982	1.00E-121	238	242	98 +	804	1044	13929	14170
UN46010	Rsa1.0_14634.1	841	3205	6.00E-98	273	299	91 +	540	834	1772	2062
UN46011	Rsa1.0_02373.1	1139	32048	1.00E-142	277	284	97 -	2	285	10289	10572
UN46012	Rsa1.0_00292.1	830	98141	1.00E-147	274	276	99 -	1	274	21932	22207
UN46013	Rsa1.0_03600.1	700	21857	1.00E-153	308	318	96 +	385	700	2130	2447
UN46014	Rsa1.0_02811.1	729	27669	0	481	499	96 -	236	729	13304	13793
UN46015	Rsa1.0_06288.1	946	11302	0	878	918	95 -	44	946	3092	4008
UN46016	Rsa1.0_00082.1	461	237584	0	459	464	98 -	1	461	52336	52799
UN46017	Rsa1.0_00109.1	913	132735	1.00E-170	544	618	88 +	165	777	43934	44549
UN46018	Rsa1.0_00345.1	904	93226	1.00E-168	399	426	93 +	481	904	85600	86016

UN46019	Rsa1.0.02629.1	593	29350	1.00E-175	325	328	99 +	4	331	4941	5267
UN46020	Rsa1.0.01735.1	662	40128	1.00E-162	305	310	98 -	4	313	9587	9896
UN46021	Rsa1.0.00113.1	1064	131574	0	419	435	96 +	332	766	62642	63076
UN46022	Rsa1.0.00044.1	733	271658	0	699	734	95 +	3	733	169986	170714
UN46023	Rsa1.0.00564.1	509	75428	0	495	509	97 -	1	509	10073	10577
UN46024	Rsa1.0.00410.1	725	86957	1.00E-131	328	355	92 +	380	721	28659	29011
UN46025	Rsa1.0.07122.1	956	9866	1.00E-152	315	325	96 -	634	956	6640	6963
UN46026	Rsa1.0.01274.1	354	49419	3.00E-85	186	192	96 +	145	336	21348	21537
UN46027	Rsa1.0.02777.1	777	27986	2.00E-73	181	194	93 -	586	777	6331	6517
UN46028	Rsa1.0.00192.1	365	278200	1.00E-161	312	320	97 +	43	362	25425	25744
UN46029	Rsa1.0.74770.1	680	307	7.00E-91	216	227	95 +	460	680	33	258
UN46030	Rsa1.0.00502.1	512	204180	1.00E-178	409	435	94 -	69	501	63947	64372
UN46031	Rsa1.0.00844.1	878	62403	8.00E-88	180	185	97 +	549	733	3899	4083
UN46032	Rsa1.0.00986.1	796	57571	0	384	388	98 -	409	795	40105	40491
UN46033	Rsa1.0.04110.1	778	18998	0	489	511	95 +	280	778	5227	5737
UN46034	Rsa1.0.00673.1	846	69325	0	459	476	96 +	370	845	8697	9166
UN46035	Rsa1.0.00056.1	909	332604	2.00E-60	209	235	88 -	20	244	315726	315957
UN46036	Rsa1.0.01527.1	723	43905	1.00E-154	301	308	97 -	416	723	31251	31556
UN46037	Rsa1.0.03237.1	676	24434	1.00E-169	310	313	99 +	26	338	27	339
UN46038	Rsa1.0.03454.1	779	149870	0	443	481	92 -	313	778	5964	6443
UN46039	Rsa1.0.00707.1	631	190112	1.00E-107	226	234	96 -	403	631	15493	15726
UN46040	Rsa1.0.00015.1	612	561803	1.00E-157	423	472	89 +	101	565	483122	483580
UN46041	Rsa1.0.00549.1	500	76473	8.00E-93	189	193	97 -	304	495	8050	8242
UN46042	Rsa1.0.01414.1	866	149508	0	531	545	97 +	322	865	115530	116074
UN46043	Rsa1.0.00173.1	847	288743	1.00E-120	228	231	98 +	616	846	44823	45053
UN46044	Rsa1.0.00593.1	893	143463	1.00E-168	410	444	92 -	457	888	57103	57542
UN46045	Rsa1.0.04382.1	1118	17635	0	516	523	98 -	596	1118	4874	5396
UN46046	Rsa1.0.08259.1	1013	7641	1.00E-164	350	366	95 -	3	368	3089	3443
UN46047	Rsa1.0.03665.1	949	21487	1.00E-59	163	178	91 -	709	886	12882	13059
UN46048	Rsa1.0.00214.1	581	107508	1.00E-143	267	270	98 -	311	580	36858	37127
UN46049	Rsa1.0.00512.1	1074	200277	2.00E-92	185	189	97 -	14	202	199512	199700
UN46050	Rsa1.0.01523.1	806	43959	8.00E-88	165	165	100 -	526	690	7030	7194
UN46051	Rsa1.0.08916.1	798	6792	0	516	569	90 +	230	792	5181	5749
UN46052	Rsa1.0.01136.1	556	52724	8.00E-84	170	173	98 +	3	175	13432	13602
UN46053	Rsa1.0.00213.1	915	108167	4.00E-93	187	190	98 +	666	855	5743	5931
UN46054	Rsa1.0.00635.1	697	175826	0	680	697	97 +	2	697	15609	16303
UN46055	Rsa1.0.00714.1	709	67187	0	337	338	99 +	83	420	19781	20118
UN46056	Rsa1.0.00154.1	964	189461	0	519	529	98 -	3	531	24514	25041
UN46057	Rsa1.0.02858.1	854	27246	1.00E-121	300	324	92 -	3	325	1710	2021

UN46058	Rsa1.0.00017.1	581	752458	0	573	580	98 -	2	581	392529	393108
UN46059	Rsa1.0.00793.1	556	64103	0	528	582	90 -	3	555	59208	59787
UN46060	Rsa1.0.00040.1	843	324196	1.00E-132	265	271	97 -	10	279	308714	308982
UN46061	Rsa1.0.13483.1	1120	4782	0	416	422	98 -	140	559	3113	3534
UN46062	Rsa1.0.00089.1	619	406142	0	572	577	99 -	41	617	232181	232757
UN46063	Rsa1.0.00314.1	672	96472	0	357	366	97 +	273	638	19994	20358
UN46064	Rsa1.0.05217.1	588	142938	0	574	598	95 -	3	588	134929	135520
UN46065	Rsa1.0.02841.1	1261	27383	7.00E-46	104	107	97 +	247	353	3289	3395
UN46066	Rsa1.0.04395.1	651	17570	1.00E-121	235	240	97 -	78	317	10374	10613
UN46067	Rsa1.0.01026.1	736	171624	0	713	744	95 +	3	733	3032	3770
UN46068	Rsa1.0.02040.1	939	35684	1.00E-108	251	267	94 -	682	937	13810	14076
UN46069	Rsa1.0.00642.1	829	201230	1.00E-125	257	265	96 +	567	828	161688	161951
UN46070	Rsa1.0.00270.1	490	101236	0	474	488	97 -	2	488	25032	25518
UN46071	Rsa1.0.01072.1	1190	55068	0	515	516	99 -	675	1190	34652	35167
UN46072	Rsa1.0.03569.1	582	22041	2.00E-94	182	184	98 -	2	185	20627	20810
UN46073	Rsa1.0.03075.1	555	25560	1.00E-118	288	314	91 +	257	555	7735	8043
UN46074	Rsa1.0.00853.1	705	62101	0	621	642	96 -	10	648	41685	42326
UN46075	Rsa1.0.01996.1	483	36327	1.00E-174	410	441	92 -	45	479	5497	5936
UN46076	Rsa1.0.00374.1	590	165738	0	374	387	96 +	1	387	128276	128662
UN46077	Rsa1.0.02852.1	560	27287	9.00E-90	201	210	95 -	353	560	21344	21551
UN46078	Rsa1.0.00058.1	941	159921	1.00E-165	329	338	97 +	605	941	119077	119413
UN46079	Rsa1.0.03414.1	1018	23125	0	767	785	97 +	238	1018	20780	21564
UN46080	Rsa1.0.03051.1	413	25758	6.00E-90	214	227	94 +	153	376	1571	1797
UN46081	Rsa1.0.03465.1	820	22700	0	502	522	96 +	87	605	9803	10324
UN46082	Rsa1.0.02210.1	668	33857	0	569	577	98 +	9	585	2678	3254
UN46083	Rsa1.0.01626.1	717	41989	0	475	499	95 -	222	715	4500	4998
UN46084	Rsa1.0.33589.1	828	675	1.00E-160	345	362	95 +	467	827	45	404
UN46085	Rsa1.0.00256.1	900	102426	0	475	507	93 -	3	509	100748	101254
UN46086	Rsa1.0.00047.1	1072	168582	1.00E-162	330	342	96 -	457	797	165390	165731
UN46087	Rsa1.0.02606.1	1332	29635	0	633	691	91 +	3	671	5877	6550
UN46088	Rsa1.0.01534.1	674	43764	3.00E-96	242	259	93 -	417	672	8034	8287
UN46089	Rsa1.0.01969.1	479	153351	1.00E-113	271	292	92 +	200	478	22253	22543
UN46090	Rsa1.0.00718.1	611	279335	1.00E-104	209	212	98 -	401	611	6037	6247
UN46091	Rsa1.0.00065.1	574	454616	1.00E-136	252	254	99 -	3	256	198196	198449
UN46092	Rsa1.0.01951.1	840	36941	1.00E-122	288	312	92 +	2	305	12755	13057
UN46093	Rsa1.0.00196.1	624	109960	2.00E-81	184	194	94 +	168	361	51018	51211
UN46094	Rsa1.0.00341.1	1164	249309	0	967	1063	90 -	48	1082	179642	180671
UN46095	Rsa1.0.00828.1	983	62744	1.00E-125	276	294	93 +	3	286	53932	54225
UN46096	Rsa1.0.00457.1	1133	337301	0	589	598	98 +	2	599	159612	160208

UN46097	Rsa1.0.00509.1	1316	78829	0	423	445	95 +	654	1097	57392	57835
UN46098	Rsa1.0.02592.1	435	29751	0	428	434	98 -	1	434	19460	19893
UN46099	Rsa1.0.01700.1	935	40745	2.00E-14	167	209	79 +	582	790	31534	31736
UN46100	Rsa1.0.00020.1	632	283099	1.00E-117	280	298	93 +	1	297	75565	75860
UN46101	Rsa1.0.03699.1	667	21301	7.00E-91	188	194	96 -	1	194	2357	2550
UN46102	Rsa1.0.02177.1	920	34262	0	870	921	94 +	2	919	14545	15450
UN46103	Rsa1.0.00016.1	644	831256	0	637	641	99 -	2	642	766949	767589
UN46104	Rsa1.0.00465.1	687	82138	0	530	562	94 -	2	563	21482	22037
UN46105	Rsa1.0.00201.1	621	232851	2.00E-72	241	272	88 +	251	517	1480	1740
UN46106	Rsa1.0.00073.1	1131	240924	0	754	789	95 -	355	1131	81216	82004
UN46107	Rsa1.0.01594.1	703	42612	1.00E-142	358	389	92 +	2	382	7193	7573
UN46108	Rsa1.0.15314.1	756	2690	1.00E-113	210	211	99 +	197	407	2162	2372
UN46109	Rsa1.0.00661.1	412	213041	1.00E-126	295	313	94 -	105	412	65256	65565
UN46110	Rsa1.0.01570.1	760	43015	1.00E-154	285	288	98 -	344	631	32273	32560
UN46111	Rsa1.0.00851.1	807	62181	0	480	509	94 -	1	500	8664	9168
UN46112	Rsa1.0.00065.1	852	454616	0	841	851	98 +	2	852	204138	204988
UN46113	Rsa1.0.06471.1	785	10954	0	670	680	98 -	115	785	1310	1989
UN46114	Rsa1.0.00157.1	529	245832	1.00E-178	456	503	90 +	23	523	239124	239601
UN46115	Rsa1.0.02754.1	708	28213	1.00E-125	356	399	89 -	294	682	10059	10451
UN46116	Rsa1.0.00087.1	1195	761073	0	598	618	96 +	3	606	439387	440004
UN46117	Rsa1.0.02717.1	1034	28458	1.00E-119	350	394	88 +	638	1029	24218	24588
UN46118	Rsa1.0.01541.1	696	43682	0	686	688	99 +	3	690	6818	7504
UN46119	Rsa1.0.00269.1	774	341668	1.00E-168	333	344	96 +	137	480	192836	193179
UN46120	Rsa1.0.01188.1	854	51362	5.00E-92	172	172	100 +	215	386	30279	30450
UN46121	Rsa1.0.00247.1	709	103408	0	650	711	91 -	1	670	66689	67385
UN46122	Rsa1.0.02874.1	897	27070	0	687	725	94 +	172	895	16196	16900
UN46123	Rsa1.0.01091.1	795	54383	0	691	721	95 +	75	794	49165	49877
UN46124	Rsa1.0.01752.1	1131	39805	7.00E-55	211	244	86 -	473	709	20974	21216
UN46125	Rsa1.0.02142.1	580	34633	0	571	572	99 +	1	572	5238	5809
UN46126	Rsa1.0.01674.1	865	168300	0	674	709	95 -	2	692	3689	4393
UN46127	Rsa1.0.01236.1	274	50156	5.00E-77	146	146	100 -	127	272	1357	1502
UN46128	Rsa1.0.00120.1	624	277288	0	452	466	96 -	1	465	225101	225566
UN46129	Rsa1.0.32336.1	606	704	1.00E-116	269	287	93 +	3	277	377	663
UN46130	Rsa1.0.04234.1	755	18378	0	571	605	94 -	151	755	7521	8114
UN46131	Rsa1.0.10500.1	672	5824	0	627	675	92 -	2	672	3547	4206
UN46132	#	#	#	#	#	#	#	#	#	#	#
UN46133	Rsa1.0.00464.1	925	82253	0	597	628	95 -	3	627	26503	27130
UN46134	Rsa1.0.00041.1	637	186197	1.00E-119	290	307	94 +	5	310	56700	56999
UN46135	Rsa1.0.02229.1	723	33672	0	389	390	99 -	2	391	2778	3167

UN46136	Rsa1.0.00697.1	1289	67913	1.00E-151	292	298	97 +	1	298	31862	32157
UN46137	Rsa1.0.00612.1	698	72376	0	692	694	99 -	3	696	18598	19291
UN46138	Rsa1.0.02206.1	877	33922	1.00E-142	266	269	98 +	467	735	24814	25082
UN46139	Rsa1.0.01803.1	226	173846	1.00E-86	195	206	94 -	11	216	137460	137665
UN46140	Rsa1.0.00683.1	759	68638	0	737	759	97 +	1	759	30897	31652
UN46141	Rsa1.0.03831.1	739	20579	2.00E-79	158	159	99 +	1	158	16218	16376
UN46142	Rsa1.0.00816.1	1009	403350	1.00E-102	322	366	87 -	630	974	368923	369285
UN46143	Rsa1.0.01650.1	593	41589	0	531	582	91 -	8	587	27296	27864
UN46144	Rsa1.0.00262.1	968	101906	0	510	517	98 -	4	519	28029	28545
UN46145	Rsa1.0.02901.1	907	26909	1.00E-92	237	255	92 -	19	270	21294	21541
UN46146	Rsa1.0.13471.1	867	4802	1.00E-118	234	240	97 +	290	529	2722	2961
UN46147	Rsa1.0.00170.1	777	179538	1.00E-109	233	241	96 -	509	747	142306	142546
UN46148	Rsa1.0.14744.1	741	3111	1.00E-119	392	451	86 -	294	737	779	1229
UN46149	Rsa1.0.15323.1	691	2685	1.00E-39	100	104	96 -	506	609	2507	2609
UN46150	Rsa1.0.00128.1	576	228675	1.00E-67	152	159	95 +	198	356	106484	106642
UN46151	Rsa1.0.00556.1	641	207212	0	398	399	99 -	243	641	137376	137774
UN46152	Rsa1.0.05611.1	362	13193	1.00E-50	120	126	95 -	1	126	2850	2975
UN46153	Rsa1.0.00022.1	907	200461	1.00E-134	246	247	99 -	3	249	7997	8243
UN46154	Rsa1.0.06495.1	598	10899	1.00E-140	256	257	99 +	55	311	5284	5540
UN46155	Rsa1.0.01958.1	752	261128	8.00E-97	186	188	98 +	313	500	134526	134713
UN46156	Rsa1.0.05605.1	732	13202	0	598	618	96 +	1	616	8430	9044
UN46157	Rsa1.0.02600.1	531	29657	0	515	519	99 +	1	519	16265	16782
UN46158	Rsa1.0.04647.1	720	16541	1.00E-106	234	244	95 +	468	709	8197	8440
UN46159	Rsa1.0.00663.1	240	164969	1.00E-99	226	240	94 -	1	240	101008	101247
UN46160	Rsa1.0.01760.1	1080	39730	1.00E-116	300	325	92 -	13	334	26012	26327
UN46161	Rsa1.0.00185.1	640	248445	0	594	646	91 -	2	640	241332	241959
UN46162	Rsa1.0.10841.1	665	5705	1.00E-164	424	465	91 +	4	468	451	913
UN46163	Rsa1.0.06454.1	854	10987	1.00E-133	244	245	99 +	3	247	5779	6023
UN46164	Rsa1.0.01121.1	635	53407	0	400	420	95 +	208	627	19404	19822
UN46165	Rsa1.0.00447.1	792	84051	0	439	465	94 +	4	456	12840	13295
UN46166	Rsa1.0.01461.1	1151	45240	0	761	780	97 +	372	1149	731	1510
UN46167	Rsa1.0.00237.1	741	235974	0	403	422	95 +	3	421	212350	212762
UN46168	Rsa1.0.00285.1	878	149638	0	652	694	93 -	200	878	81491	82178
UN46169	Rsa1.0.00165.1	421	116466	1.00E-66	150	157	95 -	4	160	78644	78800
UN46170	Rsa1.0.01047.1	850	55705	0	825	855	96 -	1	850	39716	40564
UN46171	Rsa1.0.00197.1	805	109714	0	558	574	97 +	3	576	22536	23109
UN46172	Rsa1.0.02616.1	766	29542	1.00E-145	352	379	92 -	390	766	231	601
UN46173	Rsa1.0.00201.1	643	232851	0	512	539	94 -	112	643	72723	73249
UN46174	Rsa1.0.04225.1	655	18400	0	342	344	99 +	312	655	10919	11260

UN46175	Rsa1.0.03381.1	693	23306	1.00E-116	243	251	96 -	88	338	19673	19919
UN46176	Rsa1.0.05847.1	769	12433	0	485	490	98 +	95	584	7163	7652
UN46177	Rsa1.0.04529.1	661	16957	4.00E-86	192	203	94 +	3	205	8577	8771
UN46178	Rsa1.0.00006.1	743	396176	0	344	351	98 +	342	692	299313	299663
UN46179	Rsa1.0.01825.1	461	38725	1.00E-122	226	227	99 -	6	232	23642	23868
UN46180	Rsa1.0.01075.1	675	156953	1.00E-179	321	322	99 -	3	324	21721	22042
UN46181	Rsa1.0.01931.1	675	37187	1.00E-138	286	300	95 -	3	302	32029	32318
UN46182	Rsa1.0.00485.1	798	80937	1.00E-171	331	339	97 -	58	393	37393	37731
UN46183	Rsa1.0.02411.1	737	31655	0	408	427	95 -	3	428	29046	29469
UN46184	Rsa1.0.00294.1	575	144860	1.00E-158	337	354	95 -	234	575	54743	55096
UN46185	Rsa1.0.04896.1	911	15552	0	631	636	99 +	1	636	5598	6231
UN46186	Rsa1.0.00001.1	503	363028	5.00E-85	163	164	99 -	340	503	253424	253587
UN46187	Rsa1.0.00045.1	289	328694	1.00E-129	277	289	95 -	3	287	188641	188925
UN46188	Rsa1.0.00341.1	968	249309	0	584	640	91 -	187	815	186561	187175
UN46189	Rsa1.0.14273.1	614	3588	1.00E-163	348	366	95 +	248	610	1869	2234
UN46190	Rsa1.0.00437.1	821	84879	0	814	818	99 +	4	821	59658	60475
UN46191	Rsa1.0.00221.1	892	106972	1.00E-133	259	265	97 +	384	648	864	1128
UN46192	Rsa1.0.33870.1	735	669	1.00E-101	212	219	96 -	516	732	286	504
UN46193	Rsa1.0.03238.1	781	24432	1.00E-103	248	265	93 -	508	771	12785	13047
UN46194	Rsa1.0.00457.1	816	337301	1.00E-116	223	225	99 +	1	224	140566	140790
UN46195	Rsa1.0.01729.1	422	304246	1.00E-117	221	222	99 -	201	422	124047	124267
UN46196	Rsa1.0.10563.1	932	5800	5.00E-71	283	324	87 -	510	829	5338	5653
UN46197	Rsa1.0.00879.1	651	61297	6.00E-79	403	487	82 +	124	610	53309	53791
UN46198	Rsa1.0.00038.1	687	314568	1.00E-112	242	252	96 -	62	309	49081	49332
UN46199	Rsa1.0.08555.1	812	7208	0	758	763	99 -	3	761	20	782
UN46200	Rsa1.0.11824.1	484	5396	1.00E-122	239	244	97 +	233	473	3655	3898
UN46201	Rsa1.0.00840.1	720	62514	0	447	452	98 +	269	718	38395	38846
UN46202	Rsa1.0.00949.1	506	58549	1.00E-130	287	299	95 +	2	300	15557	15851
UN46203	Rsa1.0.01081.1	638	499226	0	609	634	96 +	3	632	18453	19074
UN46204	Rsa1.0.23642.1	649	1035	0	543	566	95 +	101	649	15	580
UN46205	Rsa1.0.00576.1	643	178949	1.00E-127	237	239	99 +	183	421	5241	5479
UN46206	Rsa1.0.01955.1	617	36850	0	452	463	97 +	156	614	18179	18641
UN46207	Rsa1.0.00593.1	799	143463	1.00E-126	245	250	98 -	549	798	54556	54805
UN46208	Rsa1.0.00141.1	861	121494	0	419	437	95 +	430	858	20677	21112
UN46209	Rsa1.0.00659.1	704	69733	1.00E-151	342	368	92 +	340	704	55176	55524
UN46210	Rsa1.0.00301.1	565	365315	1.00E-143	286	293	97 +	272	564	215219	215509
UN46211	Rsa1.0.00564.1	880	75428	0	531	551	96 -	332	879	71126	71674
UN46212	Rsa1.0.00266.1	797	163932	1.00E-123	236	240	98 +	346	585	7133	7372
UN46213	Rsa1.0.00569.1	814	75060	0	811	814	99 -	1	814	72163	72976

UN46214	Rsa1.0.07453.1	767	9368	0	506	519	97 +	248	766	2199	2714
UN46215	Rsa1.0.02039.1	662	35699	0	469	487	96 -	3	487	4230	4716
UN46216	Rsa1.0.03015.1	686	26006	1.00E-172	333	341	97 +	3	340	11865	12205
UN46217	Rsa1.0.00112.1	850	132199	1.00E-164	337	348	96 +	497	841	56161	56507
UN46218	Rsa1.0.01610.1	639	42274	0	364	365	99 -	274	638	11411	11775
UN46219	Rsa1.0.00335.1	803	94371	1.00E-126	260	268	97 -	539	803	33581	33848
UN46220	Rsa1.0.02170.1	572	34352	1.00E-153	296	303	97 -	3	305	16025	16327
UN46221	Rsa1.0.09457.1	632	6353	0	612	625	97 +	2	626	4328	4951
UN46222	Rsa1.0.02012.1	590	36084	1.00E-126	265	276	96 +	254	522	21933	22208
UN46223	Rsa1.0.01029.1	759	256254	1.00E-167	385	414	92 +	365	759	2344	2756
UN46224	Rsa1.0.01094.1	589	167285	0	439	453	96 -	138	589	5278	5730
UN46225	Rsa1.0.02794.1	596	27820	1.00E-149	283	288	98 -	38	325	618	905
UN46226	Rsa1.0.00306.1	702	146760	1.00E-135	425	486	87 -	5	478	92285	92749
UN46227	Rsa1.0.01168.1	321	153765	6.00E-37	88	91	96 -	5	95	24243	24333
UN46228	Rsa1.0.01937.1	604	37147	1.00E-159	284	284	100 +	321	604	14663	14946
UN46229	Rsa1.0.00516.1	582	78417	6.00E-60	124	126	98 -	335	460	12013	12138
UN46230	Rsa1.0.22803.1	983	1093	1.00E-109	207	209	99 -	775	983	260	468
UN46231	Rsa1.0.74778.1	636	307	1.00E-100	222	231	96 -	336	565	4	229
UN46232	Rsa1.0.02852.1	705	27287	0	659	693	95 +	10	699	15229	15908
UN46233	Rsa1.0.01220.1	940	161775	0	886	946	93 -	3	937	157459	158403
UN46234	Rsa1.0.01696.1	546	301850	1.00E-144	308	324	95 +	2	325	31621	31944
UN46235	Rsa1.0.00321.1	434	95671	5.00E-97	259	287	90 +	157	433	56950	57226
UN46236	Rsa1.0.00009.1	946	232558	1.00E-151	346	369	93 +	514	873	53021	53384
UN46237	Rsa1.0.00361.1	874	91181	0	533	540	98 +	2	541	24147	24683
UN46238	Rsa1.0.00646.1	831	70473	0	419	436	96 -	195	630	4443	4878
UN46239	Rsa1.0.00909.1	659	59976	1.00E-123	314	339	92 +	210	541	43852	44186
UN46240	Rsa1.0.00216.1	817	197563	5.00E-86	168	170	98 -	53	222	51876	52045
UN46241	Rsa1.0.08585.1	896	7157	2.00E-33	101	110	91 -	686	795	5466	5575
UN46242	Rsa1.0.01282.1	892	49304	0	458	476	96 -	37	512	11086	11561
UN46243	Rsa1.0.00134.1	1118	390219	9.00E-76	212	232	91 -	459	690	156787	157015
UN46244	Rsa1.0.00039.1	708	296927	4.00E-92	190	196	96 -	499	694	210893	211088
UN46245	Rsa1.0.18154.1	328	1655	1.00E-177	320	322	99 +	7	328	803	1124
UN46246	Rsa1.0.00002.1	703	601661	6.00E-82	223	244	91 -	455	688	18075	18318
UN46247	Rsa1.0.01180.1	726	51517	1.00E-103	231	243	95 -	446	687	30294	30531
UN46248	Rsa1.0.00585.1	885	74164	0	380	386	98 +	502	885	59736	60121
UN46249	Rsa1.0.00163.1	1191	116847	0	612	630	97 -	561	1190	7910	8536
UN46250	Rsa1.0.00001.1	715	363028	0	534	561	95 +	146	706	62099	62655
UN46251	Rsa1.0.00017.1	751	752458	1.00E-140	318	339	93 +	250	588	222799	223134
UN46252	Rsa1.0.00463.1	873	189177	2.00E-82	171	176	97 +	226	401	180605	180780

UN46253	Rsa1.0.00144.1	353	120708	2.33E-156	341	363	93 -	1	353	47346	47705
UN46254	Rsa1.0.04126.1	539	18939	0	500	545	91 -	2	537	15349	15888
UN46255	Rsa1.0.00118.1	995	130637	0	473	492	96 -	495	983	42576	43063
UN46256	Rsa1.0.00920.1	826	601703	1.00E-110	251	263	95 +	2	262	448806	449067
UN46257	Rsa1.0.00139.1	1202	357786	0	1163	1206	96 +	2	1200	270991	272196
UN46258	Rsa1.0.00066.1	487	152418	2.00E-93	195	202	96 -	158	359	91810	92011
UN46259	Rsa1.0.01151.1	764	52268	0	424	449	94 +	106	554	25331	25761
UN46260	Rsa1.0.00609.1	955	72785	0	498	505	98 -	67	571	52619	53123
UN46261	Rsa1.0.03410.1	733	23147	0	519	556	93 +	157	704	10247	10795
UN46262	Rsa1.0.01296.1	607	49035	1.00E-105	225	235	95 +	53	283	5353	5587
UN46263	Rsa1.0.00246.1	845	103541	1.00E-110	214	218	98 -	628	845	1111	1328
UN46264	Rsa1.0.04456.1	719	17260	4.00E-80	170	176	96 +	467	642	7706	7881
UN46265	Rsa1.0.00240.1	909	104175	0	489	506	96 -	408	909	48286	48791
UN46266	Rsa1.0.00163.1	920	116847	0	914	918	99 -	3	920	15947	16864
UN46267	Rsa1.0.02373.1	606	32048	0	546	581	93 -	33	602	8540	9119
UN46268	Rsa1.0.21759.1	860	1175	0	688	740	92 -	126	860	135	868
UN46269	Rsa1.0.04513.1	704	17029	5.00E-61	336	410	81 +	120	511	10433	10839
UN46270	Rsa1.0.01166.1	818	51877	1.00E-179	384	404	95 -	428	817	41484	41886
UN46271	Rsa1.0.00033.1	761	515811	1.00E-157	350	369	94 -	362	726	485242	485610
UN46272	Rsa1.0.00067.1	569	415055	0	560	568	98 +	1	568	183012	183579
UN46273	Rsa1.0.38989.1	750	577	2.00E-54	115	117	98 -	178	294	443	559
UN46274	Rsa1.0.06900.1	570	131268	1.00E-121	247	256	96 -	158	413	623	878
UN46275	Rsa1.0.03890.1	968	20223	0	894	975	91 +	3	968	1395	2344
UN46276	Rsa1.0.02103.1	994	35006	0	561	598	93 -	403	994	13502	14094
UN46277	Rsa1.0.04905.1	771	15507	1.00E-127	259	267	97 -	3	268	436	702
UN46278	Rsa1.0.00714.1	1081	67187	1.00E-84	248	277	89 +	57	332	13175	13433
UN46279	Rsa1.0.00017.1	783	752458	1.00E-134	261	267	97 +	376	642	272503	272769
UN46280	Rsa1.0.26595.1	859	885	2.00E-97	266	293	90 +	6	298	301	592
UN46281	Rsa1.0.00557.1	850	75865	1.00E-176	323	326	99 -	523	848	74482	74807
UN46282	Rsa1.0.02884.1	657	27034	0	422	435	97 +	152	585	6764	7198
UN46283	Rsa1.0.14252.1	972	3615	0	469	500	93 -	20	513	1887	2384
UN46284	Rsa1.0.00731.1	1005	66638	1.00E-130	270	277	97 +	731	1005	12178	12453
UN46285	Rsa1.0.07555.1	938	9139	1.00E-105	206	210	98 -	728	937	3234	3443
UN46286	Rsa1.0.05683.1	1207	12944	0	620	643	96 -	3	645	4930	5554
UN46287	Rsa1.0.21867.1	989	1168	0	500	541	92 +	462	989	1	530
UN46288	Rsa1.0.00322.1	752	212233	1.00E-143	282	290	97 +	272	561	206966	207255
UN46289	Rsa1.0.00015.1	327	561803	1.00E-116	245	252	97 -	78	327	211479	211729
UN46290	Rsa1.0.01696.1	879	301850	0	599	632	94 -	216	840	159028	159651
UN46291	Rsa1.0.18032.1	657	1686	1.00E-108	205	207	99 +	115	321	1291	1497

UN46292	Rsa1.0.02349.1	948	32312	1.00E-160	379	411	92 -	29	427	26844	27248
UN46293	Rsa1.0.05163.1	661	14628	0	481	495	97 +	112	605	14134	14628
UN46294	Rsa1.0.00237.1	837	235974	1.00E-157	405	443	91 +	399	835	225556	225984
UN46295	Rsa1.0.00543.1	863	76788	0	608	665	91 +	226	861	35876	36535
UN46296	Rsa1.0.03334.1	732	23659	6.00E-82	167	171	97 +	3	173	18879	19049
UN46297	Rsa1.0.06194.1	1669	11516	0	561	566	99 +	83	648	5193	5758
UN46298	Rsa1.0.00305.1	452	97308	4.00E-39	95	99	95 -	68	166	94879	94977
UN46299	Rsa1.0.00226.1	899	105884	0	545	591	92 +	3	566	18304	18891
UN46300	Rsa1.0.15301.1	694	2703	1.00E-180	422	449	93 -	238	676	779	1224
UN46301	Rsa1.0.00190.1	764	318240	0	359	369	97 +	228	595	211050	211418
UN46302	Rsa1.0.00228.1	534	105511	0	450	467	96 -	67	533	13085	13545
UN46303	Rsa1.0.01233.1	940	50184	0	835	878	95 -	33	905	23496	24367
UN46304	Rsa1.0.22665.1	676	1104	0	423	444	95 -	2	445	361	803
UN46305	Rsa1.0.00248.1	887	163568	0	673	696	96 -	187	882	40143	40834
UN46306	Rsa1.0.02554.1	528	30187	2.00E-72	160	167	95 +	362	528	21157	21323
UN46307	Rsa1.0.00345.1	749	93226	1.00E-133	277	289	95 +	457	745	85769	86057
UN46308	Rsa1.0.09159.1	931	6599	1.00E-117	273	288	94 +	2	287	2355	2638
UN46309	Rsa1.0.02468.1	634	31122	0	510	542	94 -	104	632	28520	29061
UN46310	Rsa1.0.11822.1	647	5397	1.00E-178	371	388	95 +	262	647	4170	4553
UN46311	Rsa1.0.01874.1	1053	37853	0	927	964	96 +	102	1053	21170	22131
UN46312	Rsa1.0.01947.1	631	36977	1.00E-174	363	377	96 -	260	631	23187	23560
UN46313	Rsa1.0.00016.1	1239	831256	1.00E-162	311	318	97 +	657	974	429113	429430
UN46314	Rsa1.0.00478.1	682	81419	1.00E-101	203	208	97 +	372	579	28796	29003
UN46315	Rsa1.0.02355.1	681	32260	0	369	371	99 -	181	551	16686	17056
UN46316	Rsa1.0.00045.1	765	328694	1.00E-151	330	349	94 +	362	704	230197	230542
UN46317	Rsa1.0.00678.1	1166	193163	0	999	1016	98 -	154	1166	139224	140235
UN46318	Rsa1.0.01778.1	807	39509	2.00E-76	300	345	86 -	457	798	16191	16512
UN46319	Rsa1.0.03460.1	1440	22747	0	734	778	94 +	1	773	12128	12897
UN46320	Rsa1.0.00149.1	767	305196	0	704	755	93 +	23	765	103777	104515
UN46321	Rsa1.0.00131.1	1152	432233	1.00E-155	369	392	94 -	763	1149	423573	423955
UN46322	Rsa1.0.00752.1	624	65756	0	591	650	90 -	2	624	12816	13461
UN46323	Rsa1.0.00752.1	1310	65756	0	395	418	94 +	38	455	49490	49907
UN46324	Rsa1.0.06530.1	1012	10840	0	361	361	100 -	652	1012	5598	5958
UN46325	Rsa1.0.02772.1	720	28047	0	503	509	98 -	3	511	24232	24739
UN46326	Rsa1.0.01768.1	628	138463	4.00E-83	157	157	100 +	2	158	118862	119018
UN46327	Rsa1.0.00758.1	433	65477	1.00E-128	238	240	99 -	194	433	36597	36836
UN46328	Rsa1.0.00715.1	576	67116	0	513	572	89 +	6	576	63610	64163
UN46329	Rsa1.0.01519.1	610	44144	0	479	506	94 +	2	499	39398	39903
UN46330	Rsa1.0.00016.1	1167	831256	1.00E-121	306	332	92 +	8	337	370678	371003

UN46331	Rsa1.0.00082.1	828	237584	5.00E-95	186	189	98 +	529	717	133006	133194
UN46332	Rsa1.0.00098.1	729	349239	1.00E-158	286	287	99 +	372	658	230277	230563
UN46333	Rsa1.0.02001.1	690	36198	1.00E-100	218	227	96 +	465	690	32186	32408
UN46334	Rsa1.0.03853.1	778	20447	0	728	759	95 -	1	759	13200	13954
UN46335	Rsa1.0.00019.1	766	301669	0	702	724	96 +	44	766	237147	237869
UN46336	Rsa1.0.00028.1	738	293984	1.00E-150	351	373	94 +	368	738	259291	259655
UN46337	Rsa1.0.00409.1	367	146788	1.00E-120	224	226	99 +	142	367	87804	88029
UN46338	Rsa1.0.00026.1	766	327835	0	459	470	97 +	3	472	45493	45962
UN46339	Rsa1.0.00262.1	805	101906	0	527	535	98 -	271	805	94623	95156
UN46340	Rsa1.0.04288.1	588	18077	3.00E-83	244	266	91 +	330	588	13754	14017
UN46341	Rsa1.0.04977.1	837	15260	1.00E-95	190	194	97 +	196	389	5120	5313
UN46342	Rsa1.0.01977.1	460	36559	1.00E-111	233	243	95 +	128	370	23106	23348
UN46343	Rsa1.0.01236.1	742	50156	1.00E-123	291	308	94 +	435	740	1966	2271
UN46344	Rsa1.0.00716.1	475	67078	1.00E-82	172	176	97 +	271	445	46014	46189
UN46345	Rsa1.0.00196.1	978	109960	1.00E-100	198	202	98 +	113	314	72049	72250
UN46346	Rsa1.0.02356.1	587	141500	0	575	586	98 +	2	587	127902	128487
UN46347	Rsa1.0.01123.1	829	53359	1.00E-148	299	310	96 +	325	628	30869	31178
UN46348	Rsa1.0.00336.1	575	445051	1.00E-121	309	338	91 -	158	491	163120	163457
UN46349	Rsa1.0.00056.1	1317	332604	0	661	695	95 -	1	690	24496	25189
UN46350	Rsa1.0.01766.1	552	39617	0	524	535	97 -	21	552	34212	34746
UN46351	Rsa1.0.05162.1	733	14631	3.00E-47	124	132	93 +	3	132	697	828
UN46352	Rsa1.0.00211.1	1006	228189	0	560	603	92 +	3	605	179334	179912
UN46353	Rsa1.0.00684.1	610	141701	2.00E-87	231	255	90 +	366	610	135333	135587
UN46354	Rsa1.0.01068.1	694	55208	1.00E-150	276	277	99 +	419	694	9670	9946
UN46355	Rsa1.0.00050.1	728	237174	1.00E-149	282	286	98 +	421	704	19315	19600
UN46356	Rsa1.0.00134.1	874	390219	1.00E-132	261	268	97 +	57	324	230274	230541
UN46357	Rsa1.0.03981.1	480	19724	1.00E-118	231	236	97 +	111	346	17483	17718
UN46358	Rsa1.0.00759.1	356	65465	1.00E-151	329	349	94 -	1	338	64660	65008
UN46359	Rsa1.0.01101.1	686	54031	0	389	395	98 -	109	503	20468	20862
UN46360	Rsa1.0.02399.1	759	31763	1.00E-86	388	466	83 +	249	693	13016	13478
UN46361	Rsa1.0.05442.1	867	13741	0	416	439	94 +	429	867	1778	2200
UN46362	Rsa1.0.06312.1	525	11253	1.00E-149	366	393	93 +	137	523	1	392
UN46363	Rsa1.0.09388.1	684	6405	9.00E-41	110	118	93 +	393	510	3641	3758
UN46364	Rsa1.0.02593.1	474	29744	1.00E-63	124	124	100 -	143	266	1807	1930
UN46365	Rsa1.0.29006.1	849	796	1.00E-166	324	333	97 -	356	688	1	333
UN46366	Rsa1.0.08429.1	767	7370	1.00E-117	240	246	97 -	518	761	5507	5752
UN46367	Rsa1.0.00078.1	796	175053	1.00E-147	298	309	96 +	238	546	47230	47538
UN46368	Rsa1.0.17370.1	1109	1847	0	1080	1080	100 -	3	1082	363	1442
UN46369	Rsa1.0.00869.1	596	61627	1.00E-109	222	229	96 -	297	525	53994	54222

UN46370	Rsa1.0.01635.1	607	41865	4.00E-95	214	226	94 -	182	407	15877	16098
UN46371	Rsa1.0.00023.1	879	194764	1.00E-157	281	281	100 +	597	877	189949	190229
UN46372	Rsa1.0.02488.1	550	30913	9.00E-93	176	177	99 -	52	228	28741	28917
UN46373	Rsa1.0.00100.1	598	249232	1.00E-180	445	484	91 -	119	598	221770	222245
UN46374	Rsa1.0.03662.1	469	21492	3.00E-92	187	192	97 +	215	406	11528	11719
UN46375	Rsa1.0.05984.1	1013	12031	1.00E-179	384	401	95 -	588	982	2551	2947
UN46376	Rsa1.0.00093.1	826	214962	0	517	554	93 -	291	826	11264	11812
UN46377	Rsa1.0.00010.1	630	294827	1.00E-116	258	271	95 -	2	269	90921	91190
UN46378	Rsa1.0.00138.1	651	247040	1.00E-156	308	315	97 -	340	651	61967	62281
UN46379	Rsa1.0.00935.1	287	59079	1.00E-108	215	219	98 +	69	287	23754	23971
UN46380	Rsa1.0.02663.1	746	169243	0	438	445	98 +	303	746	7957	8401
UN46381	Rsa1.0.01073.1	802	55030	4.00E-68	186	204	91 -	243	446	34236	34439
UN46382	Rsa1.0.00159.1	575	431686	0	551	578	95 -	1	575	240926	241497
UN46383	Rsa1.0.04535.1	783	136600	1.00E-170	337	347	97 +	3	348	125112	125458
UN46384	Rsa1.0.05611.1	874	13193	0	462	483	95 -	392	874	9304	9785
UN46385	Rsa1.0.00636.1	825	71113	1.00E-132	242	243	99 -	3	245	12995	13237
UN46386	Rsa1.0.03294.1	979	23971	0	455	462	98 -	518	979	5095	5556
UN46387	Rsa1.0.04172.1	1031	18679	1.00E-25	88	97	90 +	406	502	10487	10583
UN46388	Rsa1.0.01888.1	413	37563	1.00E-131	320	345	92 -	3	344	7890	8234
UN46389	Rsa1.0.00179.1	915	393324	0	907	914	99 -	3	913	373862	374775
UN46390	Rsa1.0.00214.1	402	107508	0	399	409	97 +	2	402	6516	6924
UN46391	Rsa1.0.00285.1	1164	149638	0	873	915	95 -	2	913	86554	87465
UN46392	Rsa1.0.00714.1	646	67187	0	624	664	93 +	3	638	59823	60486
UN46393	Rsa1.0.00583.1	727	74309	1.00E-174	330	336	98 -	123	456	71950	72285
UN46394	Rsa1.0.00387.1	985	495407	0	896	933	96 -	53	985	341925	342845
UN46395	Rsa1.0.00079.1	930	606987	0	496	535	92 +	3	525	488364	488895
UN46396	Rsa1.0.03613.1	730	21773	1.00E-101	247	266	92 -	1	266	17738	17995
UN46397	Rsa1.0.00211.1	1012	228189	0	956	996	95 +	2	994	155434	156424
UN46398	Rsa1.0.02393.1	925	31795	1.00E-177	520	584	89 +	3	580	26000	26577
UN46399	Rsa1.0.03955.1	698	19884	6.00E-79	282	323	87 -	396	698	5810	6126
UN46400	Rsa1.0.00848.1	958	152362	0	459	489	93 -	472	958	57384	57865
UN46401	Rsa1.0.00131.1	510	432233	4.00E-79	248	280	88 -	252	510	77337	77614
UN46402	Rsa1.0.00251.1	739	303968	3.00E-99	230	246	93 -	505	739	148043	148287
UN46403	Rsa1.0.00297.1	1100	97836	1.00E-141	314	334	94 +	107	440	26401	26734
UN46404	Rsa1.0.06213.1	828	11478	1.00E-170	349	362	96 -	3	362	1640	2000
UN46405	Rsa1.0.00321.1	401	95671	8.00E-80	224	250	89 +	160	399	56950	57189
UN46406	Rsa1.0.01221.1	754	50421	1.00E-150	371	400	92 -	365	753	10791	11186
UN46407	Rsa1.0.03600.1	806	21857	1.00E-165	404	446	90 +	391	804	2130	2575
UN46408	Rsa1.0.00375.1	759	90207	1.00E-120	273	286	95 +	478	757	34140	34421

UN46409	Rsa1.0.00708.1	714	67366	0	667	701	95 -	18	714	53329	54023
UN46410	Rsa1.0.03225.1	925	24500	0	814	866	93 +	41	906	18747	19594
UN46411	Rsa1.0.06168.1	828	11580	1.00E-136	392	438	89 +	411	828	8500	8925
UN46412	Rsa1.0.08203.1	836	7742	1.00E-113	217	220	98 -	385	604	6099	6318
UN46413	Rsa1.0.05782.1	700	12646	1.00E-128	233	233	100 +	468	700	9159	9391
UN46414	Rsa1.0.01997.1	737	158416	0	385	397	96 +	347	735	1881	2277
UN46415	Rsa1.0.00070.1	738	150321	0	479	526	91 +	51	567	36985	37507
UN46416	Rsa1.0.00205.1	552	193401	1.00E-64	138	141	97 -	277	417	79497	79635
UN46417	Rsa1.0.03149.1	691	24983	1.00E-177	315	315	100 -	3	317	15975	16289
UN46418	Rsa1.0.00030.1	606	250988	1.00E-124	247	254	97 +	134	387	152706	152959
UN46419	Rsa1.0.00150.1	866	154416	0	468	486	96 -	3	487	60159	60641
UN46420	Rsa1.0.02234.1	223	33618	8.00E-20	60	62	96 -	6	66	4387	4448
UN46421	Rsa1.0.00039.1	659	296927	0	505	535	94 +	124	657	206911	207435
UN46422	Rsa1.0.00409.1	641	146788	0	466	466	100 +	1	466	90319	90784
UN46423	Rsa1.0.01674.1	762	168300	0	542	550	98 +	215	762	19673	20222
UN46424	Rsa1.0.00736.1	825	66455	0	344	351	98 +	309	659	6494	6844
UN46425	Rsa1.0.01148.1	771	52375	0	753	781	96 -	2	771	34830	35607
UN46426	Rsa1.0.00480.1	810	81325	0	405	416	97 +	3	418	3549	3964
UN46427	Rsa1.0.00729.1	832	66690	1.00E-164	311	317	98 +	3	319	55930	56246
UN46428	Rsa1.0.02032.1	486	35830	1.00E-148	334	354	94 +	133	485	3825	4177
UN46429	Rsa1.0.09548.1	648	6295	1.00E-137	287	300	95 -	1	300	4391	4690
UN46430	Rsa1.0.00197.1	612	109714	1.00E-169	368	385	95 -	50	434	94811	95190
UN46431	Rsa1.0.00339.1	761	222974	1.00E-169	320	326	98 +	160	485	65177	65502
UN46432	Rsa1.0.00179.1	766	393324	1.00E-119	226	229	98 +	537	765	205617	205845
UN46433	Rsa1.0.01305.1	314	48730	5.00E-62	121	121	100 -	2	122	12106	12226
UN46434	Rsa1.0.00092.1	345	659932	2.00E-46	104	107	97 -	57	163	190625	190731
UN46435	Rsa1.0.00300.1	324	97747	1.00E-138	305	320	95 +	6	322	31819	32138
UN46436	Rsa1.0.01883.1	1017	37661	0	368	375	98 +	2	375	21388	21759
UN46437	Rsa1.0.04651.1	919	16516	1.00E-123	258	269	95 -	649	917	9268	9536
UN46438	Rsa1.0.03781.1	717	20891	0	436	461	94 -	260	712	5104	5562
UN46439	Rsa1.0.03981.1	472	19724	7.00E-93	221	237	93 +	102	338	17481	17717
UN46440	Rsa1.0.05918.1	1003	12244	0	1001	1002	99 -	2	1003	8666	9667
UN46441	Rsa1.0.00487.1	688	80674	3.00E-96	179	179	100 -	201	379	65469	65647
UN46442	Rsa1.0.33576.1	657	675	0	395	414	95 -	2	415	1	408
UN46443	Rsa1.0.01512.1	844	44234	1.00E-175	325	329	98 -	519	844	31345	31673
UN46444	Rsa1.0.00335.1	433	94371	0	351	361	97 +	71	431	50290	50650
UN46445	Rsa1.0.00016.1	525	831256	1.00E-179	463	502	92 -	33	525	267929	268417
UN46446	Rsa1.0.02245.1	721	33478	1.00E-161	384	411	93 -	307	715	6318	6725
UN46447	Rsa1.0.33333.1	667	681	0	572	616	92 +	23	632	76	681

UN46448	Rsa1.0_04153.1	551	18807	1.00E-170	320	326	98 +	226	551	16104	16429
UN46449	Rsa1.0_00540.1	949	76895	1.00E-168	303	304	99 -	646	949	20508	20811
UN46450	Rsa1.0_00069.1	640	403561	0	399	404	98 -	204	607	262859	263262
UN46451	Rsa1.0_00896.1	792	60509	0	364	366	99 -	428	792	19952	20317
UN46452	Rsa1.0_03925.1	680	20025	1.00E-132	331	357	92 +	330	680	3816	4156
UN46453	Rsa1.0_02756.1	563	28202	1.00E-139	307	325	94 -	5	326	23023	23347
UN46454	Rsa1.0_01454.1	454	45440	1.00E-136	313	334	93 +	123	446	12955	13288
UN46455	Rsa1.0_06179.1	660	11548	0	492	515	95 -	133	647	8510	9006
UN46456	Rsa1.0_00412.1	623	86935	0	601	622	96 -	3	623	34488	35106
UN46457	Rsa1.0_00720.1	516	66931	1.00E-85	184	189	97 -	267	453	18555	18743
UN46458	Rsa1.0_01355.1	364	47303	2.00E-98	208	214	97 -	142	353	41387	41600
UN46459	Rsa1.0_00017.1	507	752458	1.00E-158	343	360	95 +	142	501	539126	539479
UN46460	Rsa1.0_03711.1	295	21237	1.00E-87	189	196	96 +	97	292	10384	10578
UN46461	Rsa1.0_04403.1	826	17511	0	417	422	98 -	405	826	3307	3728
UN46462	Rsa1.0_01152.1	816	52264	8.00E-94	238	259	91 -	431	685	42726	42973
UN46463	Rsa1.0_16671.1	1087	2070	0	921	939	98 +	149	1087	3	938
UN46464	Rsa1.0_02593.1	557	29744	9.00E-59	122	124	98 -	161	284	1807	1930
UN46465	Rsa1.0_02812.1	1010	27660	1.00E-156	282	283	99 -	720	1002	14297	14579
UN46466	Rsa1.0_04340.1	808	17831	1.00E-150	327	345	94 +	466	808	16410	16750
UN46467	Rsa1.0_00104.1	987	368722	3.00E-94	239	260	91 +	566	825	201374	201633
UN46468	Rsa1.0_18748.1	691	1541	1.00E-154	298	305	97 -	88	392	230	534
UN46469	Rsa1.0_19592.1	628	1410	1.00E-135	269	276	97 -	197	471	101	376
UN46470	Rsa1.0_00038.1	1042	314568	0	734	734	100 -	97	830	249021	249754
UN46471	Rsa1.0_01843.1	734	265131	1.00E-141	295	308	95 +	97	404	9831	10135
UN46472	Rsa1.0_00476.1	681	280966	1.00E-139	311	326	95 -	308	632	31715	32036
UN46473	Rsa1.0_00648.1	497	70351	1.00E-122	288	307	93 -	202	497	10049	10354
UN46474	Rsa1.0_05594.1	560	13229	1.00E-149	311	323	96 +	240	560	664	985
UN46475	Rsa1.0_00161.1	652	116891	0	648	651	99 +	2	652	55301	55951
UN46476	Rsa1.0_01123.1	691	53359	0	355	360	98 -	326	685	3266	3625
UN46477	#	#	#	#	#	#	#	#	#	#	#
UN46478	Rsa1.0_01059.1	521	55410	1.00E-171	451	501	90 +	3	503	36195	36686
UN46479	Rsa1.0_00399.1	701	242951	1.00E-149	315	331	95 +	22	352	226460	226790
UN46480	Rsa1.0_01318.1	826	48275	1.00E-113	213	215	99 +	612	826	4290	4504
UN46481	Rsa1.0_00336.1	740	445051	5.00E-64	128	129	99 +	202	330	305579	305707
UN46482	Rsa1.0_00093.1	1130	214962	0	450	468	96 -	612	1072	95861	96328
UN46483	Rsa1.0_00350.1	752	92346	0	440	455	96 +	299	752	51776	52227
UN46484	Rsa1.0_02586.1	1040	29856	1.00E-148	278	282	98 -	340	621	8030	8311
UN46485	Rsa1.0_02625.1	696	139104	1.00E-101	207	212	97 -	2	213	24065	24275
UN46486	Rsa1.0_00413.1	953	86921	0	732	778	94 -	184	953	76239	77006

UN46487	Rsa1.0.00453.1	1013	83031	6.00E-80	164	168	97 -	194	361	70878	71045
UN46488	Rsa1.0.01146.1	969	163455	0	937	967	96 -	3	969	26517	27483
UN46489	Rsa1.0.33873.1	967	669	0	658	658	100 +	310	967	1	658
UN46490	Rsa1.0.10978.1	1028	5657	0	477	481	99 -	548	1028	593	1073
UN46491	Rsa1.0.00015.1	699	561803	8.00E-69	268	313	85 -	99	411	223204	223516
UN46492	Rsa1.0.00822.1	585	62891	1.00E-127	261	269	97 +	317	585	47514	47778
UN46493	Rsa1.0.06125.1	872	11680	1.00E-25	156	183	85 -	694	872	3542	3722
UN46494	Rsa1.0.00601.1	430	177045	2.00E-84	168	171	98 -	66	236	27079	27249
UN46495	Rsa1.0.00734.1	969	66508	0	938	978	95 +	3	969	27948	28905
UN46496	Rsa1.0.00191.1	661	316976	1.00E-113	273	296	92 +	8	303	140976	141262
UN46497	Rsa1.0.02319.1	564	32580	1.00E-104	245	258	94 -	302	548	6485	6741
UN46498	Rsa1.0.00198.1	1182	222963	1.00E-171	332	341	97 +	1	341	125227	125567
UN46499	Rsa1.0.00508.1	505	194352	1.00E-151	295	303	97 +	194	496	184654	184956
UN46500	Rsa1.0.02810.1	860	27671	0	569	570	99 -	138	707	21496	22065
UN46501	Rsa1.0.01101.1	1163	54031	6.00E-80	169	172	98 +	3	173	40410	40580
UN46502	Rsa1.0.02930.1	671	26668	0	664	670	99 +	2	671	15632	16301
UN46503	Rsa1.0.00155.1	751	118465	1.00E-140	323	343	94 +	403	743	96670	97004
UN46504	Rsa1.0.00614.1	511	72276	1.00E-103	200	202	99 -	310	511	26606	26806
UN46505	Rsa1.0.02805.1	710	27698	0	466	481	96 +	230	710	12893	13372
UN46506	Rsa1.0.00009.1	948	232558	1.00E-165	331	343	96 -	603	945	146459	146801
UN46507	Rsa1.0.00152.1	928	257730	0	587	650	90 -	282	923	75874	76505
UN46508	Rsa1.0.13610.1	960	4644	0	428	452	94 +	518	960	3065	3516
UN46509	Rsa1.0.00153.1	573	192931	1.00E-166	345	356	96 -	216	571	192189	192540
UN46510	Rsa1.0.00181.1	479	114269	0	332	333	99 +	147	479	66365	66697
UN46511	Rsa1.0.03469.1	1015	22681	2.00E-79	330	393	83 -	282	644	4085	4477
UN46512	Rsa1.0.00113.1	353	131574	4.00E-72	150	153	98 +	191	343	60568	60718
UN46513	Rsa1.0.00747.1	919	66030	0	422	438	96 +	481	917	21199	21634
UN46514	Rsa1.0.02593.1	697	29744	1.00E-140	253	253	100 -	445	697	2912	3164
UN46515	Rsa1.0.00140.1	653	121541	1.00E-132	292	307	95 +	17	323	21991	22295
UN46516	Rsa1.0.00251.1	607	303968	0	380	380	100 +	228	607	128883	129262
UN46517	Rsa1.0.02198.1	819	33989	0	417	431	96 +	389	819	16350	16778
UN46518	Rsa1.0.00178.1	1061	114861	1.00E-150	282	286	98 -	776	1061	84684	84969
UN46519	Rsa1.0.08386.1	666	7438	0	664	666	99 +	1	666	236	901
UN46520	Rsa1.0.00734.1	610	66508	0	581	622	93 -	3	608	7368	7983
UN46521	Rsa1.0.06113.1	613	11721	0	507	536	94 +	2	529	11185	11720
UN46522	Rsa1.0.00007.1	766	239325	0	712	747	95 +	2	748	224903	225639
UN46523	Rsa1.0.04254.1	325	18258	1.00E-78	195	207	94 -	119	321	5187	5392
UN46524	Rsa1.0.00109.1	927	132735	0	419	426	98 -	502	927	52344	52765
UN46525	Rsa1.0.01144.1	988	52431	2.00E-17	65	71	91 +	496	566	40196	40266

UN46526	Rsa1.0_10795.1	926	5718	0	463	471	98 -	2	471	481	951
UN46527	Rsa1.0_01515.1	593	170864	0	553	590	93 -	4	593	136037	136623
UN46528	Rsa1.0_00005.1	510	353093	1.00E-104	195	196	99 -	315	510	311824	312019
UN46529	Rsa1.0_05648.1	760	13049	1.00E-122	246	253	97 +	507	757	2285	2537
UN46530	Rsa1.0_00896.1	453	60509	3.00E-83	163	165	98 +	3	167	51281	51445
UN46531	Rsa1.0_02917.1	700	159058	0	369	379	97 -	321	699	144051	144429
UN46532	Rsa1.0_00582.1	779	74333	1.00E-180	357	368	97 +	3	370	4727	5089
UN46533	Rsa1.0_04066.1	642	19262	0	392	402	97 +	3	404	3128	3527
UN46534	Rsa1.0_00107.1	822	431659	8.00E-94	230	246	93 -	2	242	255374	255611
UN46535	Rsa1.0_01749.1	520	39822	0	483	516	93 -	5	519	30391	30889
UN46536	Rsa1.0_01836.1	1414	38503	0	1116	1153	96 +	1	1148	17888	19040
UN46537	Rsa1.0_02766.1	725	28128	0	438	462	94 +	216	677	17310	17769
UN46538	Rsa1.0_04600.1	955	16694	1.00E-150	335	354	94 +	602	953	12273	12626
UN46539	Rsa1.0_06488.1	695	141774	0	364	364	100 +	3	366	1025	1388
UN46540	Rsa1.0_00788.1	608	64237	1.00E-143	310	324	95 +	287	607	23433	23754
UN46541	Rsa1.0_00469.1	697	82084	0	587	612	95 -	89	697	52213	52819
UN46542	Rsa1.0_16818.1	508	2024	5.00E-91	340	398	85 +	135	501	1260	1654
UN46543	Rsa1.0_00016.1	736	831256	0	715	742	96 +	3	734	505359	506096
UN46544	Rsa1.0_01653.1	846	41536	0	641	643	99 +	204	846	18134	18776
UN46545	Rsa1.0_00037.1	795	307838	1.00E-107	294	322	91 -	463	779	266991	267309
UN46546	Rsa1.0_00048.1	600	167185	0	371	377	98 -	224	600	144446	144821
UN46547	Rsa1.0_00067.1	1065	415055	1.00E-158	302	307	98 -	5	310	233891	234197
UN46548	Rsa1.0_00233.1	875	104918	0	454	493	92 +	70	557	53106	53586
UN46549	Rsa1.0_05766.1	733	12708	0	494	507	97 +	141	647	3550	4056
UN46550	Rsa1.0_08211.1	739	7714	0	344	352	97 +	387	738	1995	2340
UN46551	Rsa1.0_00179.1	742	393324	1.00E-113	225	231	97 -	266	496	200646	200876
UN46552	Rsa1.0_04095.1	671	19095	0	387	390	99 -	282	671	6583	6971
UN46553	Rsa1.0_26211.1	654	901	1.00E-89	199	208	95 +	402	605	696	901
UN46554	Rsa1.0_01438.1	573	45882	0	351	355	98 +	1	355	32839	33193
UN46555	Rsa1.0_16137.1	753	2269	1.00E-122	237	242	97 -	512	753	621	862
UN46556	Rsa1.0_06663.1	761	10576	0	339	339	100 -	123	461	7952	8290
UN46557	Rsa1.0_01180.1	638	51517	0	475	480	98 +	3	482	10116	10595
UN46558	Rsa1.0_15301.1	592	2703	0	397	419	94 -	177	589	813	1227
UN46559	Rsa1.0_13633.1	1064	4605	1.00E-169	430	469	91 +	3	465	1143	1604
UN46560	Rsa1.0_00923.1	637	153678	1.00E-107	200	201	99 +	337	537	21102	21302
UN46561	Rsa1.0_14712.1	833	3134	1.00E-125	305	328	92 -	507	832	1557	1869
UN46562	Rsa1.0_01737.1	614	40101	3.00E-80	152	152	100 -	188	339	16793	16944
UN46563	Rsa1.0_00378.1	1002	89892	0	485	497	97 +	2	498	49573	50066
UN46564	Rsa1.0_00603.1	734	73299	0	513	530	96 -	5	534	42565	43088

UN46565	Rsa1.0.05700.1	716	12886	0	675	707	95 -	10	716	4679	5384
UN46566	Rsa1.0.08122.1	1184	7873	0	380	382	99 -	803	1184	4314	4695
UN46567	Rsa1.0.02748.1	696	28242	0	427	445	95 -	244	688	11618	12062
UN46568	Rsa1.0.01106.1	825	53916	0	383	391	97 +	424	814	12412	12802
UN46569	Rsa1.0.06455.1	595	10983	7.00E-69	151	157	96 -	219	375	71	227
UN46570	Rsa1.0.01201.1	1041	50856	0	497	512	97 +	155	665	45904	46414
UN46571	Rsa1.0.18566.1	715	1573	1.00E-138	268	274	97 +	3	276	925	1198
UN46572	Rsa1.0.06978.1	599	10073	1.00E-159	306	313	97 -	49	361	2434	2746
UN46573	Rsa1.0.00262.1	690	101906	2.00E-85	197	207	95 +	26	229	46458	46663
UN46574	Rsa1.0.00296.1	627	97854	1.00E-171	349	361	96 +	190	547	80425	80781
UN46575	Rsa1.0.00409.1	674	146788	0	467	500	93 +	173	669	80743	81225
UN46576	Rsa1.0.13774.1	680	4351	1.00E-113	277	298	92 -	385	680	1044	1334
UN46577	Rsa1.0.01606.1	787	42432	1.00E-154	342	360	95 -	16	371	29730	30080
UN46578	Rsa1.0.03435.1	591	22958	1.00E-134	279	291	95 -	72	362	21987	22277
UN46579	Rsa1.0.00157.1	608	245832	0	578	593	97 -	3	594	222674	223266
UN46580	Rsa1.0.01180.1	738	51517	1.00E-140	320	338	94 -	405	737	33830	34166
UN46581	Rsa1.0.01116.1	766	142088	0	668	712	93 -	55	762	129757	130463
UN46582	Rsa1.0.04689.1	636	16376	1.00E-143	272	277	98 +	309	585	1	277
UN46583	Rsa1.0.00108.1	691	478491	8.00E-29	78	82	95 -	277	358	135502	135583
UN46584	Rsa1.0.17040.1	459	1944	2.00E-77	173	180	96 +	281	458	1393	1569
UN46585	Rsa1.0.00292.1	770	98141	1.00E-95	246	265	92 +	516	770	21932	22192
UN46586	Rsa1.0.00662.1	634	192183	1.00E-151	304	313	97 -	311	620	11322	11633
UN46587	Rsa1.0.00327.1	694	94892	1.00E-159	343	363	94 +	116	478	15925	16281
UN46588	Rsa1.0.00469.1	617	82084	0	373	384	97 -	87	470	20619	21002
UN46589	Rsa1.0.00076.1	592	146021	0	564	593	95 +	7	591	100578	101169
UN46590	Rsa1.0.06034.1	651	11877	1.00E-95	194	198	97 +	2	198	5688	5885
UN46591	Rsa1.0.00438.1	689	84861	1.00E-141	279	287	97 -	57	343	2602	2888
UN46592	Rsa1.0.00289.1	783	98620	1.00E-141	266	270	98 -	445	714	26980	27249
UN46593	Rsa1.0.00327.1	719	94892	1.00E-76	164	170	96 -	330	499	21366	21535
UN46594	Rsa1.0.00036.1	710	176186	1.00E-172	617	714	86 +	1	710	163186	163892
UN46595	Rsa1.0.01509.1	761	44258	0	416	436	95 +	326	761	16019	16453
UN46596	Rsa1.0.01363.1	1051	47195	0	572	611	93 +	443	1050	23866	24466
UN46597	Rsa1.0.00628.1	546	214360	6.00E-60	127	130	97 +	77	206	24915	25044
UN46598	Rsa1.0.03022.1	717	25968	0	696	717	97 +	3	714	14518	15234
UN46599	Rsa1.0.00471.1	1176	81897	0	394	409	96 +	2	404	34841	35249
UN46600	Rsa1.0.00165.1	684	116466	2.00E-88	175	178	98 -	242	419	26990	27167
UN46601	Rsa1.0.02941.1	714	26583	1.00E-177	379	397	95 -	5	398	20945	21340
UN46602	Rsa1.0.05482.1	967	13595	1.00E-169	349	365	95 -	103	467	12266	12630
UN46603	Rsa1.0.00816.1	898	403350	0	388	403	96 +	473	874	268834	269233

UN46604	Rsa1.0.00097.1	882	138858	0	781	830	94 +	68	881	29952	30766
UN46605	Rsa1.0.03520.1	680	22327	1.00E-110	276	299	92 -	2	300	10242	10539
UN46606	Rsa1.0.02884.1	983	27034	0	601	633	94 -	367	983	7557	8188
UN46607	Rsa1.0.14400.1	655	3430	4.00E-83	262	300	87 +	339	629	1	285
UN46608	Rsa1.0.00038.1	597	314568	6.00E-60	158	169	93 +	429	595	141847	142014
UN46609	Rsa1.0.00247.1	719	103408	0	555	595	93 +	127	716	14550	15128
UN46610	Rsa1.0.01674.1	729	168300	1.00E-131	383	432	88 +	12	421	1858	2279
UN46611	Rsa1.0.00058.1	689	159921	0	505	540	93 -	160	689	49015	49550
UN46612	Rsa1.0.00301.1	723	365315	1.00E-128	334	369	90 -	3	359	346680	347037
UN46613	Rsa1.0.00045.1	638	328694	0	343	344	99 -	293	636	186927	187269
UN46614	Rsa1.0.00426.1	747	85668	1.00E-106	208	212	98 -	173	384	34554	34765
UN46615	Rsa1.0.00201.1	372	232851	3.00E-88	212	224	94 -	157	372	109850	110072
UN46616	Rsa1.0.00382.1	606	251946	1.00E-180	373	389	95 +	3	385	155234	155618
UN46617	Rsa1.0.05766.1	733	12708	1.00E-166	323	332	97 +	148	479	3550	3881
UN46618	Rsa1.0.00484.1	243	203294	2.00E-61	144	152	94 +	36	187	139436	139587
UN46619	Rsa1.0.00571.1	657	329018	2.33E-156	299	310	96 +	3	311	158790	159099
UN46620	Rsa1.0.01412.1	439	46311	1.00E-109	235	246	95 +	194	439	2544	2786
UN46621	Rsa1.0.00709.1	663	67329	0	469	485	96 +	6	489	46586	47070
UN46622	Rsa1.0.00798.1	784	63945	0	659	678	97 +	39	716	61017	61691
UN46623	Rsa1.0.06160.1	859	11596	0	810	866	93 +	3	859	3984	4835
UN46624	Rsa1.0.00874.1	563	179723	2.00E-84	190	198	95 -	165	362	179051	179245
UN46625	Rsa1.0.01774.1	958	39528	0	635	645	98 -	314	958	16886	17530
UN46626	Rsa1.0.00009.1	740	232558	0	440	465	94 -	3	461	98138	98602
UN46627	Rsa1.0.14871.1	661	2999	2.00E-85	207	220	94 +	398	617	2735	2951
UN46628	Rsa1.0.00545.1	740	189649	3.00E-93	210	220	95 +	521	740	2122	2337
UN46629	Rsa1.0.00015.1	1098	561803	0	497	512	97 -	3	511	377107	377618
UN46630	Rsa1.0.11169.1	730	5596	1.00E-160	348	364	95 +	367	728	18	377
UN46631	Rsa1.0.00122.1	482	265937	1.00E-179	423	458	92 +	7	458	224824	225273
UN46632	Rsa1.0.03100.1	910	25411	0	440	477	92 -	221	679	19710	20183
UN46633	Rsa1.0.00875.1	691	61371	0	511	525	97 -	2	523	1411	1935
UN46634	Rsa1.0.00359.1	793	91256	1.00E-102	201	205	98 +	11	215	81860	82064
UN46635	Rsa1.0.01366.1	1087	47139	0	841	844	99 +	1	844	33480	34323
UN46636	Rsa1.0.07606.1	692	9035	0	617	640	96 -	44	680	1995	2628
UN46637	Rsa1.0.05878.1	520	12344	2.00E-96	207	215	96 -	8	222	2128	2341
UN46638	Rsa1.0.03491.1	759	22541	1.00E-165	427	471	90 -	96	566	9065	9535
UN46639	Rsa1.0.02909.1	945	26856	0	500	507	98 +	3	509	10158	10664
UN46640	Rsa1.0.00251.1	718	303968	3.00E-65	180	193	93 +	527	714	124151	124342
UN46641	Rsa1.0.00436.1	824	85008	1.00E-173	399	423	94 -	222	639	3815	4236
UN46642	Rsa1.0.05326.1	671	14139	1.00E-131	283	297	95 -	377	671	4918	5214

UN46643	Rsa1.0.01666.1	745	173972	3.00E-53	116	119	97 +	281	399	2523	2641
UN46644	Rsa1.0.00913.1	796	59914	0	438	462	94 +	333	791	58728	59189
UN46645	Rsa1.0.00251.1	740	303968	1.00E-138	300	315	95 -	8	322	114989	115298
UN46646	Rsa1.0.02871.1	804	27085	0	532	553	96 +	14	563	22776	23328
UN46647	Rsa1.0.01292.1	861	175783	1.00E-128	243	245	99 +	616	859	149086	149330
UN46648	Rsa1.0.00484.1	806	203294	1.00E-139	300	317	94 +	149	458	62407	62723
UN46649	Rsa1.0.00189.1	697	111830	1.00E-142	377	410	91 -	296	697	491	890
UN46650	Rsa1.0.00582.1	748	74333	2.00E-60	128	131	97 +	419	549	63731	63861
UN46651	Rsa1.0.00592.1	789	73788	0	421	423	99 -	369	789	22161	22583
UN46652	Rsa1.0.01702.1	741	40722	1.00E-157	436	488	89 -	277	741	17694	18168
UN46653	Rsa1.0.01077.1	662	54772	0	553	590	93 +	79	662	21078	21659
UN46654	Rsa1.0.00116.1	750	365886	1.00E-113	236	244	96 +	512	750	36206	36449
UN46655	Rsa1.0.00115.1	1066	131321	1.00E-150	306	317	96 +	705	1020	48839	49155
UN46656	Rsa1.0.00029.1	562	272992	3.00E-65	151	159	94 +	151	309	13043	13201
UN46657	Rsa1.0.00711.1	907	67223	1.00E-133	328	350	93 -	559	907	6580	6921
UN46658	Rsa1.0.02928.1	901	26680	0	509	520	97 -	385	901	23408	23927
UN46659	Rsa1.0.15085.1	683	2843	0	346	351	98 -	329	679	1738	2086
UN46660	Rsa1.0.19770.1	912	1385	1.00E-144	311	329	94 -	582	910	492	808
UN46661	Rsa1.0.00344.1	665	191774	0	464	466	99 -	200	665	156290	156753
UN46662	Rsa1.0.35228.1	730	642	1.00E-24	134	159	84 -	73	231	4	162
UN46663	Rsa1.0.02812.1	757	27660	1.00E-135	299	313	95 +	25	335	14273	14579
UN46664	Rsa1.0.39534.1	870	569	1.00E-159	312	320	97 -	3	322	1	318
UN46665	Rsa1.0.00457.1	626	337301	0	508	554	91 +	80	626	334197	334731
UN46666	Rsa1.0.00594.1	215	73729	9.00E-63	186	205	90 -	1	205	30089	30290
UN46667	Rsa1.0.16435.1	559	2156	1.00E-117	239	246	97 +	312	557	1198	1442
UN46668	Rsa1.0.08606.1	567	7133	1.00E-132	306	324	94 -	247	567	5591	5910
UN46669	Rsa1.0.00802.1	873	63846	1.00E-129	265	273	97 +	605	873	29300	29572
UN46670	Rsa1.0.02941.1	680	26583	0	390	401	97 -	3	401	20945	21345
UN46671	Rsa1.0.00545.1	797	189649	1.00E-109	245	258	94 +	536	789	212	468
UN46672	Rsa1.0.00173.1	523	288743	1.00E-144	339	365	92 +	171	522	203686	204049
UN46673	Rsa1.0.01397.1	660	183276	4.00E-89	263	297	88 +	357	652	172580	172861
UN46674	Rsa1.0.01509.1	752	44258	0	653	695	93 -	23	704	34151	34844
UN46675	Rsa1.0.00100.1	930	249232	3.00E-44	188	220	85 +	81	300	202997	203216
UN46676	Rsa1.0.00829.1	619	158305	0	477	524	91 -	64	581	47446	47954
UN46677	Rsa1.0.03487.1	781	22564	0	772	802	96 -	3	780	2370	3171
UN46678	Rsa1.0.00437.1	642	84879	1.00E-117	257	272	94 -	374	638	64087	64358
UN46679	Rsa1.0.05052.1	306	15016	1.00E-142	283	290	97 -	19	305	1965	2253
UN46680	Rsa1.0.02748.1	747	28242	1.00E-159	406	445	91 -	271	705	11618	12062
UN46681	Rsa1.0.02275.1	698	33107	1.00E-175	383	405	94 +	281	676	30103	30507

UN46682	Rsa1.0.00812.1	520	63233	1.00E-115	236	243	97 +	78	320	17214	17455
UN46683	Rsa1.0.00415.1	873	86795	1.00E-179	585	672	87 -	42	692	74960	75597
UN46684	Rsa1.0.01124.1	579	53295	2.00E-75	210	226	92 +	350	570	50201	50424
UN46685	Rsa1.0.00027.1	810	283362	0	759	815	93 +	2	810	278926	279720
UN46686	Rsa1.0.49161.1	935	461	1.00E-113	243	253	96 +	203	454	14	262
UN46687	Rsa1.0.03338.1	917	136346	0	413	439	94 +	362	800	1672	2110
UN46688	Rsa1.0.00557.1	723	75865	1.00E-138	295	309	95 +	374	680	69722	70030
UN46689	Rsa1.0.00583.1	734	74309	1.00E-167	325	334	97 -	125	458	71952	72285
UN46690	Rsa1.0.01126.1	734	53127	1.00E-150	324	342	94 +	104	445	28025	28366
UN46691	Rsa1.0.05218.1	681	14457	8.00E-72	147	150	98 +	123	272	4482	4631
UN46692	Rsa1.0.00330.1	817	94666	0	434	465	93 -	373	817	42585	43042
UN46693	Rsa1.0.00894.1	561	269700	3.00E-83	166	169	98 -	1	169	127216	127384
UN46694	Rsa1.0.02194.1	562	34029	1.00E-98	192	195	98 -	368	562	31623	31817
UN46695	Rsa1.0.01839.1	660	38482	1.00E-104	253	269	94 -	393	658	24166	24434
UN46696	Rsa1.0.21825.1	839	1170	0	505	525	96 -	316	839	645	1163
UN46697	Rsa1.0.00332.1	517	94575	1.00E-116	346	392	88 +	139	512	74767	75157
UN46698	Rsa1.0.00594.1	701	73729	1.00E-103	239	253	94 +	448	700	30039	30288
UN46699	Rsa1.0.06455.1	562	10983	2.00E-66	150	157	95 -	197	353	71	227
UN46700	Rsa1.0.02471.1	1425	31104	0	916	949	96 -	491	1425	17903	18851
UN46701	Rsa1.0.07149.1	872	9824	0	390	392	99 -	481	870	854	1245
UN46702	Rsa1.0.01412.1	597	46311	0	384	392	97 +	206	597	2377	2768
UN46703	Rsa1.0.02422.1	976	161122	0	427	431	99 -	122	552	158865	159295
UN46704	Rsa1.0.15806.1	782	2414	1.00E-101	242	260	93 -	282	541	648	907
UN46705	Rsa1.0.01263.1	916	49703	1.00E-102	257	276	93 -	627	900	30606	30878
UN46706	Rsa1.0.00586.1	590	163802	0	478	479	99 +	112	590	108888	109366
UN46707	Rsa1.0.02613.1	836	29557	1.00E-134	277	286	96 -	553	836	21088	21373
UN46708	Rsa1.0.00171.1	857	115622	0	385	388	99 -	471	857	33598	33984
UN46709	Rsa1.0.00058.1	652	159921	1.00E-155	324	334	97 +	83	415	86889	87219
UN46710	Rsa1.0.00470.1	845	81968	3.00E-78	250	281	88 -	567	845	51197	51477
UN46711	Rsa1.0.04098.1	792	19078	0	535	569	94 +	218	776	10141	10707
UN46712	Rsa1.0.01382.1	569	46877	1.00E-114	265	282	93 +	280	557	14013	14293
UN46713	Rsa1.0.01959.1	643	36798	1.00E-140	258	260	99 -	377	636	31343	31602
UN46714	Rsa1.0.08909.1	864	6799	0	804	876	91 +	3	860	4803	5646
UN46715	Rsa1.0.00222.1	866	172263	2.00E-85	170	173	98 -	194	366	59426	59598
UN46716	Rsa1.0.03577.1	653	143993	0	648	653	99 -	1	653	16776	17428
UN46717	Rsa1.0.00265.1	1087	220635	0	698	699	99 +	389	1087	202132	202830
UN46718	Rsa1.0.03607.1	749	21817	0	646	712	90 +	38	733	1550	2239
UN46719	Rsa1.0.01263.1	486	49703	4.00E-85	160	160	100 +	86	245	39811	39970
UN46720	Rsa1.0.01403.1	906	46453	0	596	619	96 +	295	906	2825	3443

UN46721	Rsa1.0_17040.1	381	1944	6.00E-96	187	190	98 +	172	361	1413	1602
UN46722	Rsa1.0_08740.1	1016	6980	0	494	521	94 -	500	1016	4321	4841
UN46723	Rsa1.0_05100.1	933	14853	0	502	502	100 -	2	503	2787	3288
UN46724	Rsa1.0_00033.1	773	515811	0	391	394	99 -	379	772	33649	34042
UN46725	Rsa1.0_00045.1	1050	328694	0	528	551	95 -	498	1041	261157	261701
UN46726	Rsa1.0_00161.1	600	116891	1.00E-122	254	263	96 -	273	535	25283	25544
UN46727	Rsa1.0_00226.1	1064	105884	0	524	561	93 +	197	749	18337	18891
UN46728	Rsa1.0_08572.1	547	7184	0	401	409	98 +	139	547	6117	6525
UN46729	Rsa1.0_00205.1	456	193401	4.00E-73	146	148	98 -	260	407	79488	79635
UN46730	Rsa1.0_00453.1	1452	83031	0	337	340	99 -	1113	1452	69715	70054
UN46731	Rsa1.0_00069.1	986	403561	0	673	688	97 -	311	986	68409	69096
UN46732	Rsa1.0_05908.1	1033	12266	0	556	561	99 -	473	1033	10154	10713
UN46733	Rsa1.0_00342.1	623	93695	1.00E-107	207	210	98 +	412	621	32258	32467
UN46734	Rsa1.0_00541.1	376	76863	1.00E-149	352	376	93 +	1	375	2853	3212
UN46735	Rsa1.0_09986.1	621	6049	1.00E-104	195	196	99 -	1	196	1974	2169
UN46736	Rsa1.0_01511.1	774	44235	1.00E-153	281	283	99 -	378	660	29317	29599
UN46737	Rsa1.0_09490.1	736	6335	0	679	733	92 -	3	728	4803	5510
UN46738	Rsa1.0_00609.1	1233	72785	1.00E-139	284	294	96 -	943	1233	1843	2136
UN46739	Rsa1.0_01954.1	729	145554	1.00E-113	244	254	96 -	476	728	13045	13295
UN46740	Rsa1.0_02756.1	912	28202	0	696	740	94 +	3	724	16228	16966
UN46741	Rsa1.0_00157.1	499	245832	1.00E-115	284	307	92 +	101	406	239298	239590
UN46742	Rsa1.0_06227.1	1032	11442	0	949	962	98 +	31	990	3871	4822
UN46743	Rsa1.0_00002.1	551	601661	1.00E-136	264	269	98 -	211	478	140391	140659
UN46744	Rsa1.0_00660.1	414	69688	8.00E-74	141	141	100 +	204	344	47031	47171
UN46745	Rsa1.0_00078.1	901	175053	1.00E-150	388	429	90 +	476	901	137160	137567
UN46746	Rsa1.0_01774.1	751	39528	0	452	471	95 -	1	461	7477	7943
UN46747	Rsa1.0_01415.1	773	46263	0	448	462	96 -	317	771	17581	18042
UN46748	Rsa1.0_06267.1	564	11356	0	389	390	99 +	174	563	9805	10194
UN46749	Rsa1.0_00222.1	748	172263	0	350	354	98 +	3	356	39659	40012
UN46750	Rsa1.0_00214.1	1076	107508	0	416	421	98 +	19	439	93330	93750
UN46751	Rsa1.0_00364.1	578	90951	1.00E-140	262	265	98 +	311	575	63260	63524
UN46752	Rsa1.0_00395.1	962	214466	0	387	396	97 +	337	732	70256	70651
UN46753	Rsa1.0_02586.1	643	29856	0	483	491	98 +	3	489	9987	10477
UN46754	Rsa1.0_01258.1	471	49755	1.00E-125	230	231	99 -	241	471	22258	22488
UN46755	Rsa1.0_00748.1	735	65983	1.00E-129	270	279	96 -	447	725	63653	63929
UN46756	Rsa1.0_00741.1	554	66117	0	378	384	98 -	172	553	52556	52938
UN46757	Rsa1.0_02911.1	784	142461	0	417	426	97 +	147	571	22345	22770
UN46758	Rsa1.0_03736.1	1169	21081	0	441	452	97 +	187	638	7765	8216
UN46759	Rsa1.0_00055.1	621	520193	7.00E-97	180	180	100 +	442	621	156494	156673

UN46760	Rsa1.0.00642.1	567	201230	1.00E-140	253	253	100 -	315	567	22971	23223
UN46761	Rsa1.0.00321.1	489	95671	1.00E-117	290	318	91 +	181	488	56950	57254
UN46762	Rsa1.0.01937.1	1062	37147	1.00E-165	298	299	99 +	761	1059	14633	14931
UN46763	Rsa1.0.02231.1	730	33661	0	700	710	98 -	3	708	27200	27909
UN46764	Rsa1.0.02114.1	696	34873	1.00E-123	284	304	93 -	22	325	4142	4439
UN46765	Rsa1.0.00827.1	576	62790	0	568	580	97 -	3	576	23913	24492
UN46766	Rsa1.0.03568.1	456	22048	1.00E-110	235	246	95 +	212	455	19013	19250
UN46767	Rsa1.0.02858.1	790	27246	1.00E-140	376	414	90 -	390	784	2267	2679
UN46768	Rsa1.0.00961.1	860	58185	1.00E-142	270	273	98 -	589	860	48803	49075
UN46769	Rsa1.0.14440.1	384	3390	2.00E-96	249	270	92 -	107	374	1397	1665
UN46770	Rsa1.0.00890.1	855	323870	0	411	412	99 -	444	855	292154	292565
UN46771	Rsa1.0.00069.1	616	403561	1.00E-147	268	269	99 +	42	310	163049	163317
UN46772	Rsa1.0.05089.1	732	14881	4.00E-86	165	166	99 -	567	732	12558	12723
UN46773	Rsa1.0.02107.1	651	34940	0	368	378	97 +	1	372	8117	8493
UN46774	Rsa1.0.29331.1	900	786	1.00E-140	285	295	96 +	2	296	495	786
UN46775	Rsa1.0.01189.1	604	51358	0	491	502	97 -	101	602	18088	18587
UN46776	Rsa1.0.02474.1	955	31076	0	422	422	100 -	532	953	19880	20301
UN46777	Rsa1.0.04806.1	444	15898	1.00E-130	235	235	100 +	210	444	7406	7640
UN46778	Rsa1.0.01424.1	628	46139	0	623	625	99 +	4	628	7792	8416
UN46779	Rsa1.0.00307.1	917	199003	1.00E-55	236	280	84 +	252	512	86209	86485
UN46780	Rsa1.0.26582.1	961	885	0	679	700	97 +	256	954	1	700
UN46781	Rsa1.0.01949.1	839	36960	1.00E-113	240	248	96 -	592	838	28261	28507
UN46782	Rsa1.0.04998.1	707	15180	1.00E-131	303	325	93 +	104	428	14293	14607
UN46783	Rsa1.0.00716.1	700	67078	1.00E-169	366	386	94 +	263	648	36370	36754
UN46784	Rsa1.0.00262.1	1088	101906	0	1049	1087	96 +	3	1088	65558	66641
UN46785	Rsa1.0.00959.1	1023	58202	0	468	485	96 +	503	983	39340	39824
UN46786	Rsa1.0.09422.1	630	6381	0	432	434	99 -	185	618	5361	5792
UN46787	Rsa1.0.15339.1	468	2673	0	466	467	99 -	1	467	1942	2408
UN46788	Rsa1.0.00301.1	549	365315	1.00E-164	344	362	95 +	187	548	215181	215530
UN46789	Rsa1.0.00425.1	498	147080	1.00E-161	356	381	93 +	135	498	24733	25113
UN46790	Rsa1.0.06421.1	639	11053	0	343	343	100 -	297	639	3889	4231
UN46791	Rsa1.0.13754.1	913	4380	0	490	502	97 +	412	913	2956	3454
UN46792	Rsa1.0.00965.1	985	58139	0	927	983	94 -	3	976	49441	50413
UN46793	Rsa1.0.00801.1	1156	63861	0	896	992	90 +	4	959	61451	62417
UN46794	Rsa1.0.01552.1	705	43396	1.00E-139	272	279	97 -	427	705	35230	35508
UN46795	Rsa1.0.17662.1	938	1770	0	416	419	99 +	520	938	553	971
UN46796	Rsa1.0.00016.1	895	831256	0	629	643	97 -	251	893	696349	696988
UN46797	Rsa1.0.02431.1	555	31504	0	409	426	96 +	141	555	26601	27026
UN46798	Rsa1.0.01687.1	739	40979	0	455	458	99 -	1	458	18653	19110

UN46799	Rsa1.0.00111.1	697	390088	0	597	664	89 -	36	697	352606	353259
UN46800	Rsa1.0.00362.1	639	299497	2.00E-88	198	206	96 -	174	377	16658	16863
UN46801	Rsa1.0.00417.1	806	395068	0	445	465	95 +	347	806	228539	229003
UN46802	Rsa1.0.00642.1	718	201230	0	367	372	98 +	3	374	156905	157273
UN46803	Rsa1.0.42836.1	634	524	1.00E-116	218	220	99 -	415	634	305	524
UN46804	Rsa1.0.01976.1	523	36570	1.00E-174	329	333	98 +	190	521	1127	1457
UN46805	Rsa1.0.03284.1	928	24069	0	368	379	97 -	548	926	19718	20096
UN46806	Rsa1.0.00067.1	874	415055	2.33E-156	334	359	93 -	2	358	49054	49390
UN46807	Rsa1.0.00385.1	557	89160	1.00E-88	189	196	96 +	365	557	48576	48771
UN46808	Rsa1.0.00381.1	617	89718	0	385	388	99 +	1	388	63848	64235
UN46809	Rsa1.0.00069.1	1133	403561	0	495	506	97 -	628	1133	353534	354037
UN46810	Rsa1.0.00089.1	367	406142	2.00E-55	180	201	89 -	177	367	210461	210658
UN46811	Rsa1.0.06278.1	1078	11333	0	455	468	97 +	614	1078	5822	6289
UN46812	Rsa1.0.02648.1	741	29073	5.00E-55	128	134	95 +	594	727	28667	28800
UN46813	Rsa1.0.02104.1	409	34985	2.00E-71	170	179	94 +	4	182	22860	23034
UN46814	Rsa1.0.04131.1	489	18923	0	485	486	99 -	3	488	11327	11812
UN46815	Rsa1.0.00467.1	673	156542	1.00E-163	301	303	99 -	4	305	11344	11646
UN46816	Rsa1.0.00049.1	1217	167018	0	819	863	94 -	362	1216	78822	79681
UN46817	Rsa1.0.00212.1	890	108350	1.00E-131	254	257	98 -	636	890	37824	38080
UN46818	Rsa1.0.00104.1	632	368722	0	352	353	99 +	3	355	255681	256033
UN46819	Rsa1.0.00784.1	811	64359	0	797	811	98 -	1	811	5856	6661
UN46820	Rsa1.0.01458.1	538	175719	0	386	390	98 +	1	390	26207	26596
UN46821	Rsa1.0.02811.1	783	27669	1.00E-180	343	348	98 -	437	782	13305	13652
UN46822	Rsa1.0.06541.1	502	10806	1.00E-149	268	268	100 -	234	501	10105	10372
UN46823	Rsa1.0.01440.1	610	45807	1.00E-165	303	306	99 -	304	609	11028	11333
UN46824	Rsa1.0.38764.1	697	580	1.00E-111	240	252	95 -	446	697	145	396
UN46825	Rsa1.0.00034.1	374	260119	1.00E-112	216	218	99 +	157	374	89248	89464
UN46826	Rsa1.0.01338.1	398	155644	3.00E-45	162	185	87 -	2	186	15760	15944
UN46827	Rsa1.0.02141.1	961	34677	0	939	979	95 +	2	961	26087	27063
UN46828	Rsa1.0.08397.1	664	7427	0	379	379	100 -	286	664	4828	5206
UN46829	Rsa1.0.00025.1	817	277312	1.00E-133	265	273	97 +	121	393	115742	116014
UN46830	Rsa1.0.00049.1	803	167018	1.00E-135	302	320	94 +	475	793	74432	74751
UN46831	Rsa1.0.01328.1	757	48021	0	689	735	93 -	3	728	46087	46803
UN46832	Rsa1.0.04033.1	1081	19481	1.00E-175	426	464	91 -	5	468	10629	11083
UN46833	Rsa1.0.05017.1	441	15121	0	428	439	97 -	3	439	3089	3524
UN46834	Rsa1.0.01711.1	709	40578	0	568	568	100 +	141	708	35200	35767
UN46835	Rsa1.0.01846.1	1009	38367	0	396	396	100 -	182	577	36064	36459
UN46836	Rsa1.0.00458.1	801	82717	1.00E-145	310	326	95 -	17	342	68501	68826
UN46837	Rsa1.0.00896.1	532	60509	1.00E-102	232	243	95 +	290	532	52074	52311

UN46838	Rsa1.0_00292.1	869	98141	6.00E-24	99	109	90 +	696	804	18608	18712
UN46839	Rsa1.0_00235.1	764	154696	1.00E-180	423	456	92 +	213	667	139087	139542
UN46840	Rsa1.0_00339.1	821	222974	1.00E-129	235	235	100 +	3	237	39195	39429
UN46841	Rsa1.0_01695.1	769	40848	0	424	454	93 -	285	734	9107	9557
UN46842	Rsa1.0_00329.1	900	222544	0	404	405	99 +	496	900	177615	178019
UN46843	Rsa1.0_04192.1	1106	18572	0	577	584	98 -	527	1106	8538	9121
UN46844	Rsa1.0_00441.1	801	84607	1.00E-132	249	252	98 +	550	801	16076	16327
UN46845	Rsa1.0_00873.1	1089	61459	0	478	484	98 +	606	1089	7684	8167
UN46846	Rsa1.0_00236.1	843	104771	0	438	464	94 +	395	843	100657	101120
UN46847	Rsa1.0_02221.1	817	33796	0	385	396	97 -	423	817	17931	18326
UN46848	Rsa1.0_37069.1	601	608	0	439	458	95 -	161	601	151	608
UN46849	Rsa1.0_05366.1	816	14036	1.00E-174	318	321	99 -	231	551	8072	8392
UN46850	Rsa1.0_04322.1	582	17917	1.00E-98	189	191	98 -	392	582	16295	16485
UN46851	Rsa1.0_56773.1	552	403	0	342	342	100 -	210	551	1	342
UN46852	Rsa1.0_00127.1	994	127446	1.00E-117	273	294	92 -	627	914	113121	113405
UN46853	Rsa1.0_14129.1	662	3769	1.00E-171	317	320	99 +	3	322	2701	3018
UN46854	Rsa1.0_03990.1	283	19676	1.00E-101	224	233	96 -	50	281	8888	9116
UN46855	Rsa1.0_00145.1	603	261008	1.00E-158	343	364	94 -	253	603	246148	246511
UN46856	Rsa1.0_05015.1	790	15125	0	681	779	87 +	30	790	1002	1742
UN46857	Rsa1.0_00482.1	1216	81162	0	1188	1215	97 -	2	1214	70920	72134
UN46858	Rsa1.0_00451.1	674	322533	0	511	516	99 -	159	674	318145	318659
UN46859	Rsa1.0_01732.1	1213	40194	0	477	514	92 +	716	1213	35777	36285
UN46860	Rsa1.0_58620.1	1020	390	8.00E-76	233	261	89 +	713	973	6	265
UN46861	Rsa1.0_00090.1	840	273859	0	835	840	99 -	1	840	140408	141247
UN46862	Rsa1.0_01058.1	1195	55430	3.00E-91	209	219	95 +	928	1145	29543	29760
UN46863	Rsa1.0_05030.1	709	15088	0	691	706	97 -	3	708	10916	11620
UN46864	Rsa1.0_04890.1	806	15591	0	434	441	98 +	2	442	10288	10724
UN46865	Rsa1.0_01923.1	973	37233	1.00E-163	297	299	99 -	675	973	18013	18311
UN46866	Rsa1.0_39888.1	848	563	0	379	385	98 +	426	810	1	385
UN46867	Rsa1.0_00247.1	601	103408	0	592	601	98 -	2	601	49580	50180
UN46868	Rsa1.0_02672.1	720	28884	0	660	726	90 +	1	718	10872	11567
UN46869	Rsa1.0_02994.1	529	26168	1.00E-151	274	275	99 -	255	529	2234	2508
UN46870	Rsa1.0_00150.1	391	154416	1.00E-115	216	218	99 -	172	389	20367	20584
UN46871	Rsa1.0_40627.1	661	552	1.00E-115	223	227	98 +	265	491	326	552
UN46872	Rsa1.0_00140.1	1101	121541	1.00E-154	379	417	90 +	707	1101	11145	11561
UN46873	Rsa1.0_00152.1	1036	257730	1.00E-127	251	256	98 -	49	303	201609	201864
UN46874	Rsa1.0_08909.1	455	6799	7.00E-90	188	194	96 +	208	398	5387	5580
UN46875	Rsa1.0_02268.1	616	33172	9.00E-90	203	212	95 -	352	561	17363	17574
UN46876	Rsa1.0_01487.1	759	44784	3.00E-84	207	221	93 +	19	239	24906	25122

UN46877	Rsa1.0.01299.1	1025	162028	1.00E-111	205	205	100 +	1	205	157143	157347
UN46878	Rsa1.0.00708.1	845	67366	0	403	421	95 +	100	520	13816	14236
UN46879	Rsa1.0.06454.1	843	10987	0	404	412	98 +	432	842	6861	7272
UN46880	Rsa1.0.07743.1	683	8670	1.00E-162	317	326	97 +	319	644	6574	6899
UN46881	Rsa1.0.00048.1	523	167185	1.00E-102	330	378	87 -	156	522	146194	146554
UN46882	Rsa1.0.07201.1	510	9732	1.00E-155	284	286	99 -	1	286	264	549
UN46883	Rsa1.0.01845.1	987	38415	0	419	426	98 -	287	712	10301	10726
UN46884	Rsa1.0.12068.1	853	5326	0	590	597	98 -	254	850	4193	4789
UN46885	Rsa1.0.00988.1	296	57525	7.00E-95	203	211	96 -	37	241	49624	49833
UN46886	Rsa1.0.02422.1	885	161122	0	426	432	98 -	131	562	158867	159295
UN46887	Rsa1.0.00213.1	806	108167	0	508	533	95 -	279	806	14625	15156
UN46888	Rsa1.0.00038.1	932	314568	1.00E-138	250	250	100 -	1	250	255570	255819
UN46889	Rsa1.0.24162.1	851	1003	1.00E-135	248	249	99 -	601	849	368	616
UN46890	Rsa1.0.00336.1	1141	445051	0	422	450	93 -	413	846	164694	165143
UN46891	Rsa1.0.00652.1	516	70089	0	442	457	96 -	3	458	64888	65344
UN46892	Rsa1.0.00006.1	1012	396176	1.00E-138	289	300	96 -	495	791	368738	369036
UN46893	Rsa1.0.02820.1	885	27629	0	350	350	100 +	536	885	3469	3818
UN46894	Rsa1.0.00054.1	679	162053	5.00E-67	146	150	97 -	18	166	87400	87549
UN46895	Rsa1.0.04714.1	674	146738	0	517	518	99 -	3	520	143709	144226
UN46896	Rsa1.0.01480.1	1064	44926	0	565	602	93 -	2	597	26422	27002
UN46897	Rsa1.0.08258.1	675	7649	1.00E-112	263	278	94 +	401	670	6849	7126
UN46898	Rsa1.0.06312.1	561	11253	0	441	443	99 +	119	561	6117	6559
UN46899	Rsa1.0.00066.1	1020	152418	0	1011	1036	97 -	2	1020	20610	21645
UN46900	Rsa1.0.00128.1	1335	228675	0	656	670	97 -	185	854	191158	191827
UN46901	Rsa1.0.02174.1	686	34316	0	672	687	97 -	4	686	10484	11169
UN46902	Rsa1.0.00133.1	930	123768	0	726	727	99 +	204	930	70814	71540
UN46903	Rsa1.0.00457.1	474	337301	6.00E-78	170	175	97 -	302	473	129393	129567
UN46904	Rsa1.0.02681.1	1071	28711	0	924	958	96 -	124	1071	12430	13370
UN46905	Rsa1.0.01835.1	714	38542	1.00E-111	265	284	93 -	407	690	21372	21654
UN46906	Rsa1.0.04111.1	521	18991	0	468	502	93 +	21	511	11233	11732
UN46907	Rsa1.0.00047.1	776	168582	0	754	772	97 -	6	776	73677	74446
UN46908	Rsa1.0.03873.1	922	20360	0	919	921	99 -	3	922	9572	10491
UN46909	Rsa1.0.00336.1	713	445051	1.00E-115	211	211	100 +	503	713	306387	306597
UN46910	Rsa1.0.00017.1	753	752458	2.00E-69	143	146	97 +	24	169	514913	515058
UN46911	Rsa1.0.05885.1	817	12333	0	808	818	98 +	1	817	5961	6777
UN46912	Rsa1.0.01453.1	711	45449	0	377	384	98 +	332	711	28795	29178
UN46913	Rsa1.0.01174.1	727	51696	0	417	420	99 -	3	422	35988	36407
UN46914	Rsa1.0.00108.1	853	478491	0	816	860	94 +	1	853	143365	144222
UN46915	Rsa1.0.03422.1	312	23076	1.00E-163	291	291	100 -	22	312	7529	7819

UN46916	Rsa1.0.00472.1	821	398134	1.00E-120	219	219	100 +	219	437	130323	130541
UN46917	Rsa1.0.03168.1	577	24827	5.00E-48	127	134	94 +	421	553	6822	6954
UN46918	Rsa1.0.00517.1	1127	142790	0	1121	1128	99 +	3	1127	68816	69943
UN46919	Rsa1.0.32235.1	802	706	0	381	394	96 +	410	802	310	698
UN46920	Rsa1.0.01374.1	830	47047	0	495	505	98 +	324	828	32469	32973
UN46921	Rsa1.0.00951.1	1011	164588	0	816	822	99 -	191	1011	122861	123682
UN46922	Rsa1.0.00300.1	408	97747	1.00E-128	247	252	98 -	3	254	64063	64314
UN46923	Rsa1.0.00079.1	535	606987	0	413	414	99 -	122	535	140616	141029
UN46924	Rsa1.0.00614.1	675	72276	1.00E-139	418	480	87 -	24	502	43629	44065
UN46925	Rsa1.0.01469.1	842	45139	9.00E-94	175	175	100 -	418	592	43939	44113
UN46926	Rsa1.0.01943.1	523	37042	2.00E-78	260	297	87 -	23	304	6159	6455
UN46927	Rsa1.0.01435.1	997	45942	0	520	524	99 +	472	995	43533	44055
UN46928	Rsa1.0.00094.1	709	139042	0	412	425	96 +	1	425	39858	40279
UN46929	Rsa1.0.01527.1	698	43905	1.00E-95	199	206	96 -	348	553	36096	36301
UN46930	Rsa1.0.02179.1	793	34188	0	755	789	95 -	3	789	15437	16225
UN46931	Rsa1.0.00391.1	912	183853	0	854	887	96 -	1	882	41336	42222
UN46932	Rsa1.0.00157.1	587	245832	1.00E-152	291	297	97 +	3	299	50684	50980
UN46933	Rsa1.0.06968.1	774	10090	0	656	674	97 +	2	675	7748	8421
UN46934	Rsa1.0.01997.1	738	158416	5.00E-55	154	167	92 +	23	184	7969	8135
UN46935	Rsa1.0.00097.1	846	138858	0	468	478	97 +	4	481	75985	76458
UN46936	Rsa1.0.01440.1	680	45807	5.00E-98	243	262	92 -	419	680	15058	15313
UN46937	Rsa1.0.00483.1	892	81102	1.00E-99	208	213	97 +	678	890	3156	3366
UN46938	Rsa1.0.00419.1	1316	86562	0	486	500	97 -	819	1315	15415	15912
UN46939	Rsa1.0.00040.1	683	324196	4.00E-77	153	155	98 +	166	320	223264	223418
UN46940	Rsa1.0.16338.1	625	2190	1.00E-152	305	314	97 -	310	623	428	737
UN46941	Rsa1.0.00092.1	822	659932	0	538	555	96 -	267	820	20328	20882
UN46942	Rsa1.0.02658.1	278	28978	3.00E-75	188	201	93 -	81	278	17726	17925
UN46943	Rsa1.0.00147.1	732	249503	1.00E-138	255	257	99 +	471	727	130918	131174
UN46944	Rsa1.0.00685.1	982	68515	0	941	973	96 +	15	978	63616	64582
UN46945	Rsa1.0.01064.1	506	55295	0	463	464	99 +	43	506	38358	38820
UN46946	Rsa1.0.01775.1	631	39519	6.00E-94	208	217	95 +	413	629	6860	7072
UN46947	Rsa1.0.00433.1	699	85381	3.00E-96	245	263	93 -	439	699	65221	65477
UN46948	Rsa1.0.02041.1	955	163634	1.00E-121	238	243	97 -	711	953	18793	19032
UN46949	Rsa1.0.02508.1	696	30675	0	672	699	96 +	3	696	20166	20864
UN46950	Rsa1.0.00476.1	894	280966	1.00E-167	380	406	93 +	335	726	165661	166064
UN46951	Rsa1.0.14273.1	433	3588	3.00E-61	193	214	90 -	137	346	2294	2506
UN46952	Rsa1.0.02071.1	925	35409	0	812	840	96 +	89	925	15282	16121
UN46953	Rsa1.0.02169.1	849	34367	1.00E-129	255	262	97 +	435	696	20586	20847
UN46954	Rsa1.0.03157.1	706	24955	1.00E-105	204	206	99 +	3	207	961	1166

UN46955	Rsa1.0.06100.1	1395	11746	6.00E-90	172	173	99 +	944	1116	1076	1248
UN46956	Rsa1.0.00827.1	699	62790	5.00E-95	177	177	100 -	517	693	17369	17545
UN46957	Rsa1.0.13836.1	689	4242	0	663	687	96 +	3	689	489	1175
UN46958	Rsa1.0.00224.1	688	327530	1.00E-115	243	250	97 +	439	688	201452	201698
UN46959	Rsa1.0.03007.1	663	26070	1.00E-139	287	299	95 -	63	361	3366	3664
UN46960	Rsa1.0.21880.1	842	1167	0	354	356	99 -	3	356	1	356
UN46961	Rsa1.0.00196.1	745	109960	0	357	369	96 +	377	745	82154	82522
UN46962	Rsa1.0.04008.1	575	19584	0	375	377	99 -	199	575	8060	8436
UN46963	Rsa1.0.01247.1	1001	49934	0	527	531	99 +	325	855	48036	48566
UN46964	Rsa1.0.00364.1	737	90951	0	632	639	98 -	28	666	77079	77717
UN46965	Rsa1.0.00236.1	658	104771	1.00E-107	206	209	98 +	2	210	46328	46536
UN46966	Rsa1.0.03674.1	403	21442	7.00E-62	186	205	90 -	7	200	7706	7909
UN46967	Rsa1.0.01971.1	746	36641	0	720	746	96 -	3	746	20994	21738
UN46968	Rsa1.0.00891.1	636	60724	1.00E-36	94	99	94 +	9	107	3995	4093
UN46969	Rsa1.0.01154.1	754	52249	0	491	499	98 -	256	754	34387	34885
UN46970	Rsa1.0.00678.1	606	193163	0	368	368	100 -	20	387	26837	27204
UN46971	Rsa1.0.01431.1	396	167877	3.00E-82	200	212	94 +	189	394	12084	12295
UN46972	Rsa1.0.00374.1	786	165738	0	560	563	99 -	222	784	100956	101518
UN46973	Rsa1.0.03738.1	799	21071	0	750	806	93 +	3	797	19581	20374
UN46974	Rsa1.0.02681.1	638	28711	1.00E-128	259	268	96 +	152	419	6017	6284
UN46975	Rsa1.0.00425.1	741	147080	0	630	654	96 +	83	734	122978	123620
UN46976	Rsa1.0.00627.1	803	71566	0	550	569	96 +	228	796	18405	18972
UN46977	Rsa1.0.02969.1	621	26390	2.33E-156	339	361	93 -	250	599	9993	10349
UN46978	Rsa1.0.00465.1	1026	82138	0	632	655	96 +	375	1026	21396	22047
UN46979	Rsa1.0.02786.1	842	27880	0	464	480	96 -	358	836	18712	19185
UN46980	Rsa1.0.00084.1	862	142338	0	495	507	97 +	357	862	92610	93112
UN46981	Rsa1.0.00067.1	927	415055	0	391	392	99 -	536	927	38302	38693
UN46982	Rsa1.0.00123.1	350	325650	1.00E-35	95	101	94 +	5	105	197343	197443
UN46983	Rsa1.0.00429.1	410	85559	1.00E-103	206	211	97 -	2	212	13508	13718
UN46984	Rsa1.0.02552.1	600	30191	1.00E-155	403	439	91 +	169	599	21612	22050
UN46985	Rsa1.0.02253.1	810	33356	1.00E-104	220	229	96 -	3	231	21387	21615
UN46986	Rsa1.0.00409.1	830	146788	0	417	448	93 +	24	471	84614	85061
UN46987	Rsa1.0.04588.1	1324	16739	0	387	390	99 +	3	392	226	615
UN46988	Rsa1.0.00081.1	625	143261	0	611	638	95 +	3	625	123489	124121
UN46989	Rsa1.0.03435.1	725	22958	1.00E-172	316	319	99 -	161	479	21975	22293
UN46990	Rsa1.0.00890.1	583	323870	7.00E-32	143	167	85 -	142	308	18046	18212
UN46991	Rsa1.0.00782.1	570	64468	1.00E-91	189	195	96 -	3	197	12658	12852
UN46992	Rsa1.0.07476.1	934	9286	0	456	478	95 +	465	933	6549	7020
UN46993	Rsa1.0.00045.1	577	328694	1.00E-155	289	293	98 +	1	293	186976	187268

UN46994	Rsa1.0.33333.1	662	681	0	559	593	94 +	25	616	90	681
UN46995	Rsa1.0.02377.1	620	31994	0	607	628	96 -	1	618	19529	20156
UN46996	Rsa1.0.02061.1	632	35487	2.00E-84	165	167	98 +	459	625	31628	31794
UN46997	Rsa1.0.01705.1	1104	40710	3.00E-69	229	258	88 +	347	598	37830	38081
UN46998	Rsa1.0.06439.1	719	11015	0	701	734	95 -	8	719	6118	6851
UN46999	Rsa1.0.00019.1	795	301669	0	454	476	95 -	1	475	102815	103276
UN47000	Rsa1.0.09270.1	794	6513	0	761	793	95 -	3	792	5303	6084
UN47001	Rsa1.0.03435.1	631	22958	1.00E-161	300	303	99 -	82	383	21975	22277
UN47002	Rsa1.0.02648.1	646	29073	1.00E-145	279	284	98 +	365	646	5937	6220
UN47003	Rsa1.0.07634.1	880	8979	1.00E-179	333	338	98 -	1	338	5114	5451
UN47004	Rsa1.0.01951.1	657	36941	1.00E-131	309	335	92 +	7	333	12732	13057
UN47005	Rsa1.0.00147.1	956	249503	1.00E-157	306	314	97 +	647	956	130918	131231
UN47006	Rsa1.0.00294.1	1166	144860	0	357	357	100 -	3	359	62616	62972
UN47007	Rsa1.0.07058.1	719	9964	0	428	444	96 +	229	672	3048	3489
UN47008	Rsa1.0.00260.1	397	102021	3.00E-64	147	153	96 +	5	157	27867	28018
UN47009	Rsa1.0.16560.1	844	2112	1.00E-164	299	301	99 -	544	844	1072	1372
UN47010	Rsa1.0.00185.1	530	248445	1.00E-67	141	143	98 +	275	416	238605	238747
UN47011	Rsa1.0.03204.1	570	24622	0	561	569	98 -	3	570	11748	12314
UN47012	Rsa1.0.00032.1	809	306326	0	423	453	93 -	363	809	265441	265888
UN47013	Rsa1.0.00734.1	587	66508	0	420	445	94 +	143	584	38631	39056
UN47014	Rsa1.0.00133.1	819	123768	1.00E-142	282	289	97 +	121	408	28838	29126
UN47015	Rsa1.0.00034.1	590	260119	1.00E-157	281	281	100 +	308	588	67803	68083
UN47016	Rsa1.0.00779.1	1039	64568	1.00E-151	292	299	97 -	145	443	47827	48125
UN47017	Rsa1.0.00071.1	772	345714	1.00E-175	356	368	96 -	405	771	336511	336877
UN47018	Rsa1.0.01946.1	777	36982	1.00E-101	219	230	95 +	169	398	31304	31527
UN47019	Rsa1.0.00111.1	884	390088	0	457	489	93 -	125	604	348911	349396
UN47020	Rsa1.0.04600.1	1055	16694	1.00E-150	354	378	93 +	679	1053	12270	12647
UN47021	Rsa1.0.00110.1	600	132719	0	428	433	98 +	168	600	6912	7343
UN47022	Rsa1.0.04234.1	901	18378	0	850	900	94 +	3	901	7570	8459
UN47023	Rsa1.0.18393.1	539	1607	5.00E-88	174	177	98 +	363	539	111	287
UN47024	Rsa1.0.00978.1	770	57739	0	451	476	94 +	302	770	14018	14493
UN47025	Rsa1.0.00519.1	727	197864	0	666	706	94 -	37	723	69817	70512
UN47026	Rsa1.0.00087.1	621	761073	0	581	626	92 -	2	618	730637	731259
UN47027	Rsa1.0.05326.1	600	14139	0	382	386	98 +	210	595	2284	2669
UN47028	Rsa1.0.00234.1	695	197060	0	660	694	95 +	1	691	71713	72403
UN47029	Rsa1.0.08630.1	1011	7104	0	968	1017	95 +	2	1011	5319	6335
UN47030	Rsa1.0.05870.1	783	146055	0	443	469	94 +	1	466	10604	11062
UN47031	Rsa1.0.00685.1	859	68515	0	455	488	93 +	25	493	1751	2238
UN47032	Rsa1.0.05447.1	783	13713	0	663	680	97 +	104	782	3222	3901

UN47033	Rsa1.0.02409.1	753	31663	1.00E-124	256	265	96 +	428	692	29045	29307
UN47034	Rsa1.0.00675.1	465	145590	1.00E-153	365	395	92 +	72	465	28843	29218
UN47035	Rsa1.0.01000.1	798	57140	3.00E-72	139	139	100 +	1	139	16793	16931
UN47036	Rsa1.0.06125.1	850	11680	2.00E-29	154	181	85 -	672	849	3543	3722
UN47037	Rsa1.0.01591.1	816	42718	1.00E-128	246	250	98 +	3	249	15644	15893
UN47038	Rsa1.0.00409.1	1021	146788	0	987	1021	96 -	2	1021	130112	131122
UN47039	Rsa1.0.03738.1	632	21071	1.00E-100	259	285	90 +	348	632	6129	6393
UN47040	Rsa1.0.14272.1	737	3590	0	736	737	99 -	1	737	753	1489
UN47041	Rsa1.0.62358.1	953	368	0	354	355	99 -	176	530	1	355
UN47042	Rsa1.0.04342.1	758	17828	1.00E-170	389	416	93 -	353	758	7688	8103
UN47043	Rsa1.0.00016.1	880	831256	0	653	670	97 -	2	671	828912	829581
UN47044	Rsa1.0.36100.1	536	625	1.00E-104	231	241	95 -	296	535	295	534
UN47045	Rsa1.0.11795.1	782	5406	0	337	340	99 +	335	673	5051	5390
UN47046	Rsa1.0.08149.1	1006	7833	0	544	587	92 -	3	562	5681	6261
UN47047	Rsa1.0.04010.1	322	19576	6.00E-71	154	160	96 -	160	319	906	1065
UN47048	Rsa1.0.00077.1	931	145005	0	873	946	92 +	4	931	33239	34165
UN47049	Rsa1.0.02991.1	841	26178	1.00E-173	406	431	94 -	418	839	13902	14329
UN47050	Rsa1.0.09810.1	656	6140	1.00E-158	391	423	92 -	225	636	433	849
UN47051	Rsa1.0.00546.1	538	76523	0	470	483	97 -	3	485	58516	58997
UN47052	Rsa1.0.00076.1	1152	146021	0	622	627	99 +	2	626	34001	34625
UN47053	Rsa1.0.00027.1	1318	283362	1.00E-166	326	332	98 -	987	1317	167589	167917
UN47054	Rsa1.0.02093.1	688	35125	1.00E-130	292	310	94 +	3	310	25142	25440
UN47055	Rsa1.0.00121.1	724	278029	1.00E-112	208	209	99 -	186	394	123394	123602
UN47056	Rsa1.0.07606.1	686	9035	1.00E-165	336	349	96 -	344	684	2794	3142
UN47057	Rsa1.0.00839.1	759	62533	0	727	759	95 -	2	759	8506	9259
UN47058	Rsa1.0.00233.1	777	104918	0	407	414	98 +	3	415	52969	53381
UN47059	Rsa1.0.00147.1	1066	249503	0	527	543	97 +	533	1066	130689	131231
UN47060	Rsa1.0.00544.1	740	76787	0	433	435	99 -	306	740	9263	9697
UN47061	Rsa1.0.00190.1	353	318240	1.00E-142	258	259	99 -	94	352	91483	91741
UN47062	Rsa1.0.04342.1	955	17828	0	408	422	96 -	52	471	442	863
UN47063	Rsa1.0.03831.1	804	20579	3.00E-90	172	173	99 -	194	366	17021	17193
UN47064	Rsa1.0.00030.1	763	250988	1.00E-122	282	297	94 +	453	739	151418	151713
UN47065	Rsa1.0.00181.1	777	114269	0	403	408	98 +	10	417	65748	66155
UN47066	Rsa1.0.03699.1	824	21301	1.00E-141	280	287	97 +	543	823	2353	2639
UN47067	Rsa1.0.00526.1	634	169279	0	323	323	100 -	312	634	126452	126774
UN47068	Rsa1.0.02110.1	589	34919	1.00E-175	311	311	100 +	277	587	14397	14707
UN47069	Rsa1.0.00959.1	559	58202	1.00E-170	471	529	89 -	26	526	40544	41064
UN47070	Rsa1.0.00711.1	707	67223	0	441	475	92 +	233	707	15004	15469
UN47071	Rsa1.0.00716.1	425	67078	1.00E-81	202	218	92 -	213	425	33216	33433

UN47072	Rsa1.0_04237.1	1016	18361	0	523	539	97 -	348	880	17823	18361
UN47073	Rsa1.0_01126.1	1056	53127	0	539	540	99 -	1	540	37749	38288
UN47074	Rsa1.0_00192.1	739	278200	0	395	396	99 +	344	739	13716	14111
UN47075	Rsa1.0_02022.1	680	35923	1.00E-164	299	301	99 +	380	680	5722	6022
UN47076	Rsa1.0_00710.1	536	67325	1.00E-133	279	290	96 -	228	514	65831	66119
UN47077	Rsa1.0_00139.1	1033	357786	0	577	577	100 +	456	1032	68182	68758
UN47078	Rsa1.0_00003.1	709	340054	1.00E-169	308	310	99 -	1	310	74887	75196
UN47079	Rsa1.0_04161.1	690	18788	0	685	690	99 -	1	690	9616	10305
UN47080	Rsa1.0_17399.1	764	1839	5.00E-64	143	149	95 +	562	710	1383	1531
UN47081	Rsa1.0_00370.1	711	90472	0	514	533	96 -	42	572	21262	21794
UN47082	Rsa1.0_02930.1	683	26668	0	350	358	97 -	1	358	1991	2348
UN47083	Rsa1.0_00173.1	809	288743	1.00E-92	231	252	91 -	415	651	41110	41361
UN47084	Rsa1.0_03646.1	1243	21598	0	376	377	99 -	867	1243	20950	21326
UN47085	Rsa1.0_00020.1	752	283099	1.00E-169	302	302	100 -	3	304	159657	159958
UN47086	Rsa1.0_01923.1	515	37233	1.00E-143	275	281	97 -	234	514	17962	18242
UN47087	Rsa1.0_02360.1	760	32203	1.00E-135	362	400	90 -	381	759	23954	24353
UN47088	Rsa1.0_00270.1	762	101236	1.00E-74	152	155	98 +	184	338	23891	24045
UN47089	Rsa1.0_02001.1	894	36198	0	539	572	94 +	327	894	31942	32504
UN47090	Rsa1.0_04002.1	707	19608	1.00E-105	197	198	99 +	510	707	17610	17807
UN47091	Rsa1.0_04064.1	487	19297	0	478	515	92 +	2	487	17898	18412
UN47092	Rsa1.0_01530.1	698	43820	1.00E-154	283	285	99 +	414	698	6829	7113
UN47093	Rsa1.0_28203.1	664	824	2.00E-91	177	179	98 -	141	319	258	436
UN47094	Rsa1.0_00316.1	1164	96264	0	584	619	94 -	555	1164	57209	57814
UN47095	Rsa1.0_01405.1	738	46445	0	476	490	97 +	3	492	15777	16259
UN47096	Rsa1.0_00066.1	1079	152418	2.00E-49	170	190	89 -	886	1065	141163	141351
UN47097	Rsa1.0_03005.1	843	26082	0	427	440	97 -	406	843	23165	23603
UN47098	Rsa1.0_00157.1	722	245832	1.00E-86	172	175	98 -	201	375	229901	230075
UN47099	Rsa1.0_01099.1	824	158481	0	424	424	100 -	401	824	4730	5153
UN47100	Rsa1.0_00505.1	844	79323	1.00E-95	184	186	98 -	658	843	21756	21941
UN47101	Rsa1.0_00047.1	1035	168582	1.00E-175	322	324	99 +	711	1033	5017	5340
UN47102	Rsa1.0_00425.1	1068	147080	0	1067	1067	100 +	2	1068	112291	113357
UN47103	Rsa1.0_13520.1	1161	4755	0	956	988	96 -	3	989	2115	3096
UN47104	Rsa1.0_01050.1	727	55651	0	688	710	96 -	3	712	26458	27157
UN47105	Rsa1.0_03900.1	771	133221	0	746	767	97 -	3	767	6905	7666
UN47106	Rsa1.0_03338.1	839	136346	0	473	475	99 +	365	837	1672	2146
UN47107	Rsa1.0_02155.1	961	34522	1.00E-173	354	369	95 -	593	961	16316	16680
UN47108	Rsa1.0_13737.1	1200	4403	1.00E-152	322	335	96 -	3	337	3954	4282
UN47109	Rsa1.0_05748.1	500	12749	0	491	496	98 +	2	497	8625	9120
UN47110	Rsa1.0_00524.1	473	169613	1.00E-143	337	364	92 -	76	439	161744	162096

UN47111	Rsa1.0.01006.1	754	163670	4.00E-86	168	170	98 +	155	324	24121	24290
UN47112	Rsa1.0.05624.1	737	13140	7.00E-91	391	464	84 -	258	715	3783	4199
UN47113	Rsa1.0.10978.1	899	5657	0	493	498	98 -	400	897	577	1074
UN47114	Rsa1.0.01990.1	294	36431	5.00E-96	181	182	99 +	111	292	3858	4039
UN47115	Rsa1.0.01092.1	695	54348	0	489	518	94 -	186	695	22737	23240
UN47116	Rsa1.0.00293.1	640	339294	0	636	642	99 -	1	639	69443	70084
UN47117	Rsa1.0.00570.1	815	75002	1.00E-172	321	326	98 -	135	460	35959	36284
UN47118	Rsa1.0.00059.1	1027	159650	1.00E-143	261	262	99 +	766	1027	86606	86867
UN47119	Rsa1.0.02807.1	916	27680	1.00E-170	318	322	98 +	3	324	2648	2966
UN47120	Rsa1.0.02192.1	667	171291	1.00E-106	232	239	97 -	429	666	10258	10492
UN47121	Rsa1.0.00454.1	597	216970	0	461	465	99 +	128	592	158285	158748
UN47122	Rsa1.0.00451.1	472	322533	9.00E-68	188	207	90 +	226	432	293086	293292
UN47123	Rsa1.0.41020.1	727	548	1.00E-179	330	334	98 +	390	723	1	334
UN47124	Rsa1.0.00613.1	922	209993	0	627	642	97 -	3	640	186113	186754
UN47125	Rsa1.0.03606.1	702	21818	0	340	341	99 -	361	701	1746	2085
UN47126	Rsa1.0.65165.1	483	352	9.00E-65	188	210	89 +	286	481	1	210
UN47127	Rsa1.0.02662.1	863	28956	0	718	721	99 +	143	862	9105	9825
UN47128	Rsa1.0.00254.1	744	102600	0	322	322	100 +	18	339	73202	73523
UN47129	Rsa1.0.00199.1	1016	249604	0	1007	1014	99 -	3	1016	31917	32927
UN47130	Rsa1.0.00409.1	826	146788	0	351	355	98 -	474	826	2442	2796
UN47131	Rsa1.0.05611.1	762	13193	0	495	517	95 -	258	762	2613	3128
UN47132	Rsa1.0.00310.1	778	96852	1.00E-161	359	381	94 +	7	384	3224	3602
UN47133	Rsa1.0.04984.1	593	15240	0	458	474	96 -	124	592	830	1301
UN47134	Rsa1.0.01094.1	975	167285	0	630	631	99 +	343	973	49207	49837
UN47135	Rsa1.0.02360.1	1176	32203	0	1107	1148	96 -	35	1173	23959	25100
UN47136	Rsa1.0.01963.1	916	36719	1.00E-141	277	284	97 +	3	283	19437	19720
UN47137	Rsa1.0.03418.1	844	147293	4.00E-65	142	147	96 -	3	149	11737	11883
UN47138	Rsa1.0.00398.1	824	88007	1.00E-122	231	233	99 -	592	822	43436	43668
UN47139	Rsa1.0.02022.1	650	35923	0	638	648	98 -	3	650	18309	18955
UN47140	Rsa1.0.00006.1	715	396176	1.00E-165	317	323	98 -	348	669	308942	309264
UN47141	Rsa1.0.00562.1	463	75565	1.00E-167	348	363	95 -	107	463	9178	9537
UN47142	Rsa1.0.00173.1	833	288743	5.00E-95	232	252	92 -	431	667	41110	41361
UN47143	Rsa1.0.00437.1	595	84879	1.00E-149	293	300	97 +	294	592	50629	50928
UN47144	Rsa1.0.00944.1	872	58733	0	440	460	95 +	422	872	35701	36160
UN47145	Rsa1.0.01923.1	618	37233	1.00E-144	262	263	99 +	354	616	36457	36719
UN47146	Rsa1.0.00143.1	825	121313	1.00E-142	262	264	99 +	560	823	87223	87486
UN47147	Rsa1.0.00336.1	595	445051	0	594	598	99 -	1	595	174757	175354
UN47148	Rsa1.0.06303.1	1023	11268	0	756	787	96 +	1	787	4871	5657
UN47149	Rsa1.0.04882.1	1912	15606	0	489	490	99 +	1	490	14116	14604

UN47150	Rsa1.0.00152.1	921	257730	0	707	777	90 +	24	781	201925	202676
UN47151	Rsa1.0.03655.1	1851	21557	0	351	356	98 -	776	1131	8466	8821
UN47152	Rsa1.0.08194.1	1145	7757	1.00E-125	278	296	93 -	850	1145	5057	5343
UN47153	Rsa1.0.00502.1	605	204180	0	481	502	95 -	69	568	63874	64372
UN47154	Rsa1.0.24740.1	1011	969	0	477	494	96 +	346	839	476	969
UN47155	Rsa1.0.00092.1	1172	659932	0	414	441	93 +	67	501	504572	505012
UN47156	Rsa1.0.01454.1	1165	45440	1.00E-157	341	360	94 +	806	1165	32801	33143
UN47157	Rsa1.0.02267.1	832	33194	1.00E-141	255	255	100 -	578	832	28524	28778
UN47158	Rsa1.0.02295.1	1829	149884	0	773	819	94 +	1001	1801	12460	13272
UN47159	Rsa1.0.03122.1	876	25207	2.00E-85	164	165	99 +	421	585	7333	7497
UN47160	Rsa1.0.01140.1	1183	52586	0	591	592	99 +	592	1183	4637	5228
UN47161	Rsa1.0.05445.1	966	13718	0	784	791	99 -	176	966	12928	13718
UN47162	Rsa1.0.00260.1	1182	102021	0	427	436	97 +	300	735	63807	64242
UN47163	Rsa1.0.03831.1	1133	20579	1.00E-119	277	293	94 -	848	1132	18129	18420
UN47164	Rsa1.0.08910.1	1378	6798	5.00E-84	171	175	97 +	365	539	1064	1238
UN47165	Rsa1.0.02209.1	1067	33873	1.00E-180	343	350	98 -	721	1067	26608	26957
UN47166	Rsa1.0.00369.1	1124	266462	0	434	447	97 -	372	818	169356	169802
UN47167	Rsa1.0.01512.1	1208	44234	0	363	363	100 +	497	859	9997	10359
UN47168	Rsa1.0.07877.1	1037	8373	3.00E-72	145	147	98 +	214	360	4515	4661
UN47169	Rsa1.0.04458.1	790	17255	2.00E-94	206	215	95 +	80	294	6682	6894
UN47170	Rsa1.0.05978.1	1005	12053	1.00E-122	228	230	99 +	1	230	2033	2262
UN47171	Rsa1.0.01762.1	1035	39682	0	401	413	97 -	585	995	6859	7267
UN47172	Rsa1.0.00183.1	1133	113277	1.00E-122	258	268	96 -	1	263	67148	67415
UN47173	Rsa1.0.00638.1	910	71037	1.00E-139	269	275	97 +	306	580	9032	9306
UN47174	Rsa1.0.00068.1	1228	151813	0	713	723	98 -	507	1228	97097	97819
UN47175	Rsa1.0.03556.1	1195	22121	0	548	563	97 -	2	564	14573	15135
UN47176	Rsa1.0.01363.1	1018	47195	1.00E-145	281	286	98 -	2	286	674	959
UN47177	Rsa1.0.01172.1	848	51734	1.00E-140	268	273	98 +	442	714	12391	12663
UN47178	Rsa1.0.01696.1	1034	301850	4.00E-56	133	140	95 -	729	868	291899	292038
UN47179	Rsa1.0.05161.1	1406	14631	0	508	509	99 -	896	1404	8345	8853
UN47180	Rsa1.0.04128.1	1143	18927	0	505	539	93 +	610	1142	12414	12952
UN47181	Rsa1.0.00096.1	904	198773	1.00E-120	229	232	98 -	61	292	15954	16185
UN47182	Rsa1.0.23487.1	817	1045	0	727	762	95 +	51	811	280	1041
UN47183	Rsa1.0.00033.1	1029	515811	1.00E-126	265	276	96 +	1	272	41408	41679
UN47184	Rsa1.0.05541.1	1122	139959	1.00E-160	327	338	96 +	2	338	2771	3107
UN47185	Rsa1.0.00026.1	945	327835	1.00E-123	268	283	94 -	668	944	191630	191906
UN47186	Rsa1.0.00512.1	1370	200277	1.00E-166	305	308	99 -	528	835	65170	65477
UN47187	Rsa1.0.01727.1	1299	40243	1.00E-172	318	322	98 +	978	1299	7333	7654
UN47188	Rsa1.0.00228.1	896	105511	1.00E-120	220	220	100 +	475	694	39328	39547

UN47189	Rsa1.0_00966.1	1694	58136	0	547	550	99 -	1145	1693	50250	50799
UN47190	Rsa1.0_00707.1	961	190112	0	816	840	97 -	122	959	52301	53136
UN47191	Rsa1.0_00645.1	1314	189716	0	435	447	97 -	127	573	34408	34854
UN47192	Rsa1.0_07464.1	922	9328	1.00E-120	265	274	96 +	655	922	4	277
UN47193	Rsa1.0_00038.1	947	314568	1.00E-167	307	310	99 -	121	430	249454	249763
UN47194	Rsa1.0_00302.1	863	97521	6.00E-98	191	194	98 -	417	610	84056	84249
UN47195	Rsa1.0_07849.1	809	8425	0	436	455	95 -	18	470	4233	4687
UN47196	Rsa1.0_00464.1	924	82253	1.00E-116	278	297	93 -	628	923	14659	14950
UN47197	Rsa1.0_00119.1	1335	467509	0	904	909	99 -	1	909	386218	387126
UN47198	Rsa1.0_29830.1	1017	770	1.00E-140	299	311	96 -	79	386	114	422
UN47199	Rsa1.0_04286.1	1288	18084	0	546	561	97 -	558	1118	13076	13636
UN47200	Rsa1.0_02608.1	1071	29613	0	421	450	93 +	3	445	24664	25105
UN47201	Rsa1.0_01294.1	885	49090	1.00E-102	269	294	91 +	526	808	26968	27257
UN47202	Rsa1.0_01949.1	937	36960	2.00E-98	232	247	93 +	14	260	23210	23455
UN47203	Rsa1.0_02901.1	1140	26909	1.00E-104	193	193	100 +	946	1138	15810	16002
UN47204	Rsa1.0_00035.1	1070	176449	1.00E-179	347	354	98 -	1	353	156806	157158
UN47205	Rsa1.0_13737.1	1271	4403	1.00E-112	299	331	90 -	3	317	3954	4282
UN47206	Rsa1.0_00376.1	1011	90101	0	444	457	97 +	542	995	49557	50013
UN47207	Rsa1.0_03170.1	782	24824	1.00E-114	279	300	93 -	3	296	12994	13291
UN47208	Rsa1.0_00979.1	1272	57733	1.00E-101	259	281	92 +	827	1104	41925	42199
UN47209	Rsa1.0_00503.1	703	79468	1.00E-157	281	281	100 +	423	703	66553	66833
UN47210	Rsa1.0_00546.1	994	76523	1.00E-115	242	250	96 -	42	291	51920	52166
UN47211	Rsa1.0_21327.1	829	1215	1.00E-105	195	195	100 +	633	827	2	196
UN47212	Rsa1.0_01400.1	922	46560	1.00E-152	343	364	94 -	559	921	44010	44371
UN47213	Rsa1.0_00369.1	725	266462	0	404	417	96 +	257	673	192827	193243
UN47214	Rsa1.0_01519.1	911	44144	0	498	521	95 -	393	909	11636	12151
UN47215	Rsa1.0_00571.1	1092	329018	0	965	991	97 +	1	991	143183	144173
UN47216	Rsa1.0_03981.1	1066	19724	1.00E-108	220	227	96 -	288	514	19277	19503
UN47217	Rsa1.0_00336.1	949	445051	2.00E-91	255	283	90 +	1	282	162086	162354
UN47218	Rsa1.0_25939.1	787	913	1.00E-83	218	236	92 -	6	236	519	745
UN47219	Rsa1.0_00065.1	848	454616	1.00E-101	198	200	99 +	3	201	114556	114755
UN47220	Rsa1.0_00016.1	1243	831256	1.00E-159	297	301	98 +	1	301	370703	371003
UN47221	Rsa1.0_01278.1	890	49370	2.00E-88	178	182	97 -	55	236	20617	20798
UN47222	Rsa1.0_16090.1	835	2289	0	711	739	96 -	46	779	941	1678
UN47223	Rsa1.0_00913.1	1421	59914	0	456	479	95 -	946	1421	54250	54717
UN47224	Rsa1.0_01129.1	1338	52949	1.00E-130	260	268	97 +	1	268	31983	32250
UN47225	Rsa1.0_01200.1	726	50895	0	375	390	96 -	338	726	30798	31187
UN47226	Rsa1.0_00040.1	980	324196	0	581	602	96 +	377	977	246545	247142
UN47227	Rsa1.0_05571.1	1157	13298	1.00E-111	213	216	98 +	258	473	12821	13036

UN47228	Rsa1.0.01422.1	1194	46172	0	485	506	95 -	688	1193	10159	10663
UN47229	Rsa1.0.00127.1	881	127446	1.00E-175	358	373	95 +	26	389	113033	113405
UN47230	Rsa1.0.00027.1	1225	283362	1.00E-128	248	253	98 -	130	382	169310	169562
UN47231	Rsa1.0.01955.1	1044	36850	0	965	999	96 -	47	1042	12729	13717
UN47232	Rsa1.0.00104.1	997	368722	0	961	991	96 +	1	988	74316	75304
UN47233	Rsa1.0.01046.1	1031	152989	1.00E-163	315	323	97 -	541	863	127928	128250
UN47234	Rsa1.0.03634.1	962	145192	1.00E-151	309	321	96 -	643	961	133588	133901
UN47235	Rsa1.0.00340.1	1019	305782	1.00E-126	302	325	92 -	688	1011	194335	194649
UN47236	Rsa1.0.00075.1	1203	146680	0	913	1032	88 +	175	1196	127796	128824
UN47237	Rsa1.0.02550.1	1115	291051	0	477	510	93 -	612	1115	18047	18543
UN47238	Rsa1.0.00991.1	1083	143101	0	458	481	95 -	1	473	34650	35127
UN47239	Rsa1.0.00175.1	1168	166121	0	355	365	97 +	1	365	139894	140257
UN47240	Rsa1.0.00107.1	781	431659	0	700	700	100 +	82	781	337025	337724
UN47241	Rsa1.0.01945.1	1441	36989	0	1372	1441	95 +	3	1440	25689	27128
UN47242	Rsa1.0.00363.1	1098	90968	0	421	427	98 -	609	1035	9354	9780
UN47243	Rsa1.0.00038.1	1120	314568	0	484	506	95 +	1	506	237798	238293
UN47244	Rsa1.0.00311.1	1122	96847	0	397	407	97 -	2	408	34780	35186
UN47245	Rsa1.0.00002.1	1069	601661	1.00E-138	351	381	92 +	5	379	264130	264507
UN47246	Rsa1.0.05262.1	1165	14334	0	394	402	98 +	763	1164	5964	6365
UN47247	Rsa1.0.00547.1	1063	76521	0	407	420	96 +	1	420	54318	54737
UN47248	Rsa1.0.00086.1	1317	439854	2.00E-80	191	202	94 -	888	1085	431	631
UN47249	Rsa1.0.14881.1	1151	2995	0	458	466	98 -	1	466	2323	2787
UN47250	Rsa1.0.00078.1	1088	175053	0	1070	1108	96 -	1	1088	78763	79870
UN47251	Rsa1.0.01537.1	906	187285	1.00E-137	294	307	95 -	593	899	38677	38980
UN47252	Rsa1.0.05382.1	965	13963	1.00E-129	246	250	98 -	307	556	8823	9072
UN47253	Rsa1.0.01502.1	1197	44519	0	455	478	95 +	691	1165	36621	37095
UN47254	Rsa1.0.00222.1	1383	172263	0	597	631	94 +	4	619	39661	40291
UN47255	Rsa1.0.01422.1	1260	46172	0	602	643	93 -	616	1258	27036	27664
UN47256	Rsa1.0.00175.1	1294	166121	5.00E-84	233	261	89 +	1051	1291	28735	28995
UN47257	Rsa1.0.36296.1	1201	621	0	358	358	100 -	360	717	1	358
UN47258	Rsa1.0.00675.1	1062	145590	1.00E-157	426	470	90 -	592	1059	45278	45726
UN47259	Rsa1.0.00371.1	640	90463	0	394	408	96 +	29	434	73365	73770
UN47260	Rsa1.0.00147.1	1224	249503	1.00E-163	704	841	83 +	306	1143	209487	210327
UN47261	Rsa1.0.00132.1	1498	124299	0	494	516	95 -	726	1232	99696	100209
UN47262	Rsa1.0.00460.1	1008	206387	1.00E-136	292	308	94 +	3	298	200445	200752
UN47263	Rsa1.0.18628.1	980	1562	0	914	962	95 -	2	959	377	1333
UN47264	Rsa1.0.00777.1	976	191865	0	417	436	95 -	175	610	128527	128962
UN47265	Rsa1.0.01668.1	946	41299	1.00E-104	264	288	91 -	123	410	40402	40689
UN47266	Rsa1.0.00470.1	958	81968	4.00E-90	187	193	96 +	359	551	50362	50554

UN47267	Rsa1.0_00305.1	876	97308	1.00E-174	355	370	95 +	1	370	78725	79094
UN47268	Rsa1.0_11462.1	1176	5500	0	963	1021	94 -	180	1176	2312	3331
UN47269	Rsa1.0_00301.1	1176	365315	1.00E-173	384	407	94 -	685	1088	194144	194545
UN47270	Rsa1.0_00213.1	899	108167	1.00E-113	232	239	97 +	654	891	5743	5981
UN47271	Rsa1.0_00681.1	1404	68779	1.00E-152	309	321	96 +	7	322	42546	42866
UN47272	Rsa1.0_03352.1	1248	23506	0	339	342	99 -	1	342	17500	17841
UN47273	Rsa1.0_00176.1	823	240984	0	532	550	96 -	12	558	232410	232959
UN47274	Rsa1.0_00646.1	938	70473	0	566	578	97 -	236	812	1840	2417
UN47275	Rsa1.0_00706.1	1455	291570	0	408	417	97 +	1	417	26833	27244
UN47276	Rsa1.0_00116.1	1033	365886	1.00E-132	242	243	99 -	388	630	239724	239966
UN47277	Rsa1.0_00221.1	1001	106972	0	529	543	97 +	60	602	37067	37609
UN47278	Rsa1.0_00552.1	1012	206757	1.00E-119	298	320	93 -	701	1012	193069	193385
UN47279	Rsa1.0_08133.1	1309	7852	0	483	496	97 +	490	983	1307	1802
UN47280	Rsa1.0_00124.1	896	262503	1.00E-138	301	317	94 -	3	313	29622	29938
UN47281	Rsa1.0_02896.1	835	26970	1.00E-145	274	278	98 +	405	682	16798	17075
UN47282	Rsa1.0_01958.1	1090	261128	5.00E-99	219	230	95 -	200	426	114876	115105
UN47283	Rsa1.0_16832.1	1028	2019	2.00E-86	200	213	93 +	820	1025	122	334
UN47284	Rsa1.0_00033.1	965	515811	0	415	427	97 -	102	528	146527	146950
UN47285	Rsa1.0_00178.1	985	114861	1.00E-120	293	316	92 -	640	943	84657	84969
UN47286	Rsa1.0_00332.1	1133	94575	1.00E-169	348	361	96 +	1	360	22631	22989
UN47287	Rsa1.0_01882.1	777	37697	0	423	437	96 +	341	773	23907	24342
UN47288	Rsa1.0_00759.1	1346	65465	0	629	665	94 +	694	1346	64601	65257
UN47289	Rsa1.0_01419.1	1211	167402	0	784	821	95 +	39	854	130447	131261
UN47290	Rsa1.0_00009.1	784	232558	1.00E-86	223	238	93 -	519	751	117653	117890
UN47291	Rsa1.0_00414.1	1309	202190	0	1263	1307	96 -	2	1307	14829	16134
UN47292	Rsa1.0_00110.1	800	132719	1.00E-98	183	183	100 +	2	184	31034	31216
UN47293	Rsa1.0_00006.1	880	396176	1.00E-128	351	390	90 -	500	871	368653	369036
UN47294	Rsa1.0_15067.1	998	2854	0	531	552	96 +	1	550	715	1260
UN47295	Rsa1.0_00721.1	1341	66918	1.00E-140	393	442	88 +	352	766	918	1359
UN47296	Rsa1.0_00434.1	1446	85171	1.00E-152	427	472	90 +	319	769	8097	8558
UN47297	Rsa1.0_00647.1	1308	70440	0	580	584	99 -	2	585	6501	7084
UN47298	Rsa1.0_03695.1	906	21329	0	353	354	99 -	552	905	9772	10125
UN47299	Rsa1.0_00066.1	1101	152418	0	461	463	99 -	639	1101	15042	15504
UN47300	Rsa1.0_00377.1	996	90038	4.00E-84	313	364	85 +	632	979	9787	10142
UN47301	Rsa1.0_00244.1	1289	103590	0	758	767	98 +	3	766	76979	77745
UN47302	Rsa1.0_11872.1	905	5384	1.00E-136	310	328	94 -	586	905	622	947
UN47303	Rsa1.0_01877.1	1317	37789	1.00E-121	307	334	91 +	887	1218	28390	28705
UN47304	Rsa1.0_02128.1	851	34758	4.00E-99	205	212	96 +	457	668	25609	25820
UN47305	Rsa1.0_00360.1	1113	91190	1.00E-162	390	420	92 +	18	431	43709	44119

UN47306	Rsa1.0.00011.1	861	225044	0	411	412	99 -	3	414	207085	207496
UN47307	Rsa1.0.00414.1	1004	202190	1.00E-120	219	219	100 +	4	222	77715	77933
UN47308	Rsa1.0.00010.1	1031	294827	1.00E-180	320	320	100 -	712	1031	135518	135837
UN47309	Rsa1.0.00010.1	908	294827	1.00E-179	349	359	97 -	4	362	124006	124364
UN47310	Rsa1.0.02399.1	900	31763	0	663	699	94 -	4	701	12962	13656
UN47311	Rsa1.0.00005.1	962	353093	1.00E-162	296	298	99 -	3	300	124216	124513
UN47312	Rsa1.0.03180.1	1137	24764	1.00E-140	281	289	97 +	849	1136	21745	22033
UN47313	Rsa1.0.00425.1	1120	147080	0	531	562	94 +	223	769	75128	75689
UN47314	Rsa1.0.03589.1	1080	21893	1.00E-161	357	375	95 -	708	1077	547	920
UN47315	Rsa1.0.03646.1	1194	21598	1.00E-101	242	258	93 +	936	1193	15624	15878
UN47316	Rsa1.0.17040.1	1073	1944	1.00E-164	335	348	96 +	729	1073	195	542
UN47317	Rsa1.0.00016.1	878	831256	0	434	465	93 -	412	875	426945	427401
UN47318	Rsa1.0.00970.1	918	57994	1.00E-111	269	290	92 -	616	902	23509	23798
UN47319	Rsa1.0.00316.1	1199	96264	0	561	584	96 +	31	612	57242	57814
UN47320	Rsa1.0.03191.1	981	145762	1.00E-136	326	350	93 -	4	352	16325	16663
UN47321	Rsa1.0.00025.1	1102	277312	0	811	845	95 +	261	1101	64914	65753
UN47322	Rsa1.0.00341.1	1018	249309	4.00E-87	251	276	90 -	751	1018	114521	114796
UN47323	Rsa1.0.00314.1	274	96472	4.00E-84	219	238	92 +	37	273	56253	56490
UN47324	Rsa1.0.00065.1	1140	454616	1.00E-173	352	366	96 +	773	1138	191624	191986
UN47325	Rsa1.0.01758.1	1099	39747	0	394	409	96 -	349	757	37160	37568
UN47326	Rsa1.0.00232.1	888	104936	1.00E-124	255	265	96 +	624	888	38388	38646
UN47327	Rsa1.0.05546.1	1125	13379	2.33E-156	290	299	96 -	450	748	7596	7894
UN47328	Rsa1.0.00037.1	935	307838	1.00E-175	401	432	92 +	518	935	239665	240086
UN47329	Rsa1.0.14656.1	965	3183	2.33E-156	365	401	91 -	1	376	2283	2682
UN47330	Rsa1.0.11907.1	953	5374	0	441	460	95 +	449	906	1101	1554
UN47331	Rsa1.0.01121.1	869	53407	0	720	757	95 +	114	869	19076	19832
UN47332	Rsa1.0.02565.1	942	30046	6.00E-98	185	186	99 +	387	572	26965	27150
UN47333	Rsa1.0.00394.1	716	148426	0	534	553	96 -	3	550	67486	68035
UN47334	Rsa1.0.00111.1	1249	390088	1.00E-152	336	356	94 +	894	1248	139323	139671
UN47335	Rsa1.0.01978.1	796	36546	1.00E-148	276	279	98 -	1	279	12510	12788
UN47336	Rsa1.0.00663.1	796	164969	1.00E-116	222	225	98 -	6	230	16367	16591
UN47337	Rsa1.0.00335.1	1017	94371	2.00E-70	151	156	96 +	494	649	28536	28691
UN47338	Rsa1.0.00285.1	882	149638	7.00E-73	213	235	90 -	649	882	80910	81127
UN47339	Rsa1.0.00058.1	922	159921	0	579	581	99 -	1	581	71350	71930
UN47340	Rsa1.0.18035.1	1261	1685	0	600	635	94 -	627	1255	463	1094
UN47341	Rsa1.0.00017.1	885	752458	0	570	604	94 -	279	882	616165	616762
UN47342	Rsa1.0.01561.1	1161	43227	1.00E-81	164	167	98 +	588	754	26162	26328
UN47343	Rsa1.0.00179.1	1063	393324	1.00E-179	380	398	95 -	594	990	2	398
UN47344	Rsa1.0.00686.1	1289	68511	1.00E-171	371	393	94 +	1	393	28010	28402

UN47345	Rsa1.0_01233.1	1109	50184	2.33E-156	263	263	100 +	846	1108	22267	22529
UN47346	Rsa1.0_00115.1	1109	131321	1.00E-136	271	278	97 +	1	278	47489	47765
UN47347	Rsa1.0_01466.1	1002	45161	1.00E-138	295	310	95 -	91	400	25169	25478
UN47348	Rsa1.0_00092.1	958	659932	0	358	360	99 +	588	947	517900	518259
UN47349	Rsa1.0_00058.1	874	159921	0	429	444	96 +	2	443	84712	85153
UN47350	Rsa1.0_00317.1	1027	218290	1.00E-106	302	338	89 -	698	1025	72596	72921
UN47351	Rsa1.0_00410.1	1137	86957	1.00E-126	323	355	90 +	806	1137	21084	21438
UN47352	Rsa1.0_00078.1	1442	175053	0	423	445	95 -	269	712	38368	38812
UN47353	Rsa1.0_00429.1	784	85559	1.00E-143	279	286	97 +	426	711	23140	23425
UN47354	Rsa1.0_03884.1	1115	20274	1.00E-169	438	482	90 +	637	1114	19654	20114
UN47355	Rsa1.0_00200.1	993	162016	1.00E-142	297	310	95 +	682	991	96962	97268
UN47356	Rsa1.0_00047.1	1784	168582	0	958	975	98 -	6	980	4911	5882
UN47357	Rsa1.0_33317.1	710	681	1.00E-128	364	406	89 -	171	567	1	401
UN47358	Rsa1.0_03290.1	1260	24011	0	1246	1256	99 -	1	1256	22630	23881
UN47359	Rsa1.0_00917.1	1378	182012	1.00E-129	258	266	96 +	274	539	154788	155053
UN47360	Rsa1.0_01440.1	784	45807	0	549	560	98 -	227	784	13701	14260
UN47361	Rsa1.0_00015.1	1161	561803	0	375	376	99 +	784	1159	264496	264871
UN47362	Rsa1.0_02768.1	941	28110	1.00E-104	224	234	95 +	706	939	6687	6917
UN47363	Rsa1.0_01217.1	740	50554	0	721	740	97 +	1	740	47377	48115
UN47364	Rsa1.0_02027.1	1077	35869	0	453	473	95 +	26	493	8117	8586
UN47365	Rsa1.0_01401.1	1095	142441	0	696	723	96 -	2	724	132155	132877
UN47366	Rsa1.0_04387.1	1154	17625	0	434	455	95 -	1	452	7587	8040
UN47367	Rsa1.0_00069.1	853	403561	0	827	861	96 -	1	853	48397	49254
UN47368	Rsa1.0_00195.1	1315	251884	0	454	459	98 +	854	1312	208307	208765
UN47369	Rsa1.0_00991.1	819	143101	0	486	513	94 +	3	512	133448	133953
UN47370	Rsa1.0_00198.1	1212	222963	0	985	1035	95 +	183	1210	138000	139025
UN47371	Rsa1.0_00270.1	975	101236	1.00E-113	269	289	93 +	3	286	62827	63106
UN47372	Rsa1.0_09897.1	778	6100	0	746	748	99 +	31	778	4394	5141
UN47373	Rsa1.0_00145.1	1307	261008	0	385	385	100 -	9	393	247625	248009
UN47374	Rsa1.0_05360.1	1191	14053	0	396	408	97 -	1	403	12218	12625
UN47375	Rsa1.0_01688.1	1032	40965	1.00E-154	286	289	98 -	5	293	36521	36809
UN47376	Rsa1.0_00290.1	1301	225096	0	432	448	96 +	845	1289	190346	190793
UN47377	Rsa1.0_00240.1	1067	104175	1.00E-132	264	270	97 -	2	270	69794	70060
UN47378	Rsa1.0_02375.1	906	32026	0	581	582	99 -	1	582	29253	29834
UN47379	Rsa1.0_00875.1	1080	61371	2.00E-98	189	191	98 -	528	718	18473	18663
UN47380	Rsa1.0_00280.1	1206	99966	0	696	728	95 +	2	729	37775	38502
UN47381	Rsa1.0_05002.1	842	15173	4.00E-96	185	187	98 +	312	498	8410	8596
UN47382	Rsa1.0_09927.1	684	6087	1.00E-152	272	272	100 +	413	684	2764	3035
UN47383	Rsa1.0_03728.1	967	21147	0	404	429	94 -	540	967	671	1092

UN47384	Rsa1.0_08018.1	1076	8075	1.00E-169	330	339	97 +	205	543	5142	5477
UN47385	Rsa1.0_01553.1	828	43379	1.00E-162	358	377	94 +	457	827	26451	26825
UN47386	Rsa1.0_06463.1	831	10968	1.00E-89	168	168	100 +	268	435	7644	7811
UN47387	Rsa1.0_00153.1	778	192931	0	372	381	97 -	4	383	125256	125636
UN47388	Rsa1.0_01091.1	988	54383	0	450	483	93 -	506	988	11424	11894
UN47389	Rsa1.0_00060.1	695	502678	0	431	455	94 +	3	454	390337	390786
UN47390	Rsa1.0_01230.1	1342	50221	1.00E-127	252	259	97 +	507	765	23481	23739
UN47391	Rsa1.0_14172.1	873	3708	0	667	703	94 +	1	697	999	1699
UN47392	Rsa1.0_00656.1	842	69968	1.00E-129	281	297	94 -	545	840	49221	49506
UN47393	Rsa1.0_00105.1	717	134138	0	422	445	94 +	271	709	81280	81721
UN47394	Rsa1.0_06715.1	1096	10485	0	540	548	98 +	545	1090	2804	3351
UN47395	Rsa1.0_00190.1	1053	318240	0	734	757	96 -	2	758	191430	192186
UN47396	Rsa1.0_00027.1	942	283362	0	914	942	97 +	1	942	182990	183928
UN47397	Rsa1.0_00747.1	846	66030	1.00E-169	371	384	96 -	450	823	36330	36713
UN47398	Rsa1.0_02036.1	1090	35731	0	540	549	98 -	2	549	24917	25465
UN47399	Rsa1.0_00190.1	1595	318240	0	818	843	97 -	2	843	5556	6398
UN47400	Rsa1.0_00088.1	837	141341	1.00E-167	352	368	95 -	474	837	108283	108650
UN47401	Rsa1.0_00036.1	1150	176186	1.00E-171	354	369	95 +	342	709	102434	102802
UN47402	Rsa1.0_01005.1	851	56967	1.00E-132	258	264	97 -	318	581	19291	19554
UN47403	Rsa1.0_00122.1	1373	265937	0	1314	1373	95 -	3	1371	30234	31597
UN47404	Rsa1.0_00047.1	1120	168582	1.00E-114	263	280	93 +	835	1112	115947	116226
UN47405	Rsa1.0_00737.1	1033	66432	1.00E-143	315	329	95 -	710	1033	14245	14573
UN47406	Rsa1.0_00642.1	1005	201230	0	917	944	97 -	61	1004	154468	155411
UN47407	Rsa1.0_01569.1	1278	43029	1.00E-115	256	271	94 -	629	899	37369	37639
UN47408	Rsa1.0_03981.1	1381	19724	0	1030	1054	97 -	274	1327	14411	15464
UN47409	Rsa1.0_02314.1	2172	32642	0	738	754	97 -	203	944	31338	32091
UN47410	Rsa1.0_00265.1	1130	220635	0	449	486	92 -	642	1122	171385	171865
UN47411	Rsa1.0_00615.1	946	72235	0	596	642	92 -	324	946	54768	55402
UN47412	Rsa1.0_03267.1	1232	24230	0	707	726	97 +	495	1219	12074	12793
UN47413	Rsa1.0_03567.1	568	22049	1.00E-113	241	252	95 -	317	568	3612	3863
UN47414	Rsa1.0_00642.1	1104	201230	0	609	631	96 +	474	1104	180069	180698
UN47415	Rsa1.0_03535.1	1128	22242	1.00E-111	235	244	96 +	878	1120	1	244
UN47416	Rsa1.0_00281.1	849	99908	0	486	491	98 +	3	493	71663	72153
UN47417	Rsa1.0_00585.1	1104	74164	1.00E-175	360	374	96 +	732	1101	59726	60099
UN47418	Rsa1.0_00137.1	1629	122457	0	1330	1331	99 +	88	1418	25491	26821
UN47419	Rsa1.0_01453.1	959	45449	0	928	960	96 +	1	959	5460	6415
UN47420	Rsa1.0_03736.1	1733	21081	0	504	504	100 +	208	711	7755	8258
UN47421	Rsa1.0_00297.1	1034	97836	1.00E-172	356	371	95 -	664	1029	33828	34198
UN47422	Rsa1.0_00009.1	1000	232558	0	656	668	98 +	333	1000	138504	139171

UN47423	Rsa1.0_00265.1	1198	220635	0	365	376	97 -	827	1197	188872	189247
UN47424	Rsa1.0_00055.1	1242	520193	0	895	920	97 +	336	1242	163773	164692
UN47425	Rsa1.0_00545.1	1271	189649	0	536	558	96 +	2	559	37227	37783
UN47426	Rsa1.0_00249.1	719	153740	1.00E-70	163	171	95 -	488	656	53018	53188
UN47427	Rsa1.0_01061.1	1148	55349	0	641	654	98 +	1	653	29588	30241
UN47428	Rsa1.0_00067.1	952	415055	0	643	659	97 -	292	949	247472	248130
UN47429	Rsa1.0_00894.1	1033	269700	4.00E-84	208	222	93 -	700	919	128137	128357
UN47430	Rsa1.0_00015.1	1070	561803	0	903	952	94 +	1	949	253976	254907
UN47431	Rsa1.0_00227.1	1056	105849	0	498	501	99 -	1	501	97890	98388
UN47432	Rsa1.0_03860.1	1437	20407	0	512	513	99 +	1	513	15804	16316
UN47433	Rsa1.0_00065.1	1914	454616	0	846	871	97 +	1	869	211421	212285
UN47434	Rsa1.0_00222.1	1334	172263	1.00E-126	248	252	98 +	1	249	57593	57843
UN47435	Rsa1.0_00546.1	780	76523	1.00E-101	274	299	91 -	11	305	74240	74534
UN47436	Rsa1.0_00087.1	636	761073	0	559	576	97 +	3	578	580717	581292
UN47437	Rsa1.0_00005.1	1241	353093	1.00E-157	308	317	97 -	153	469	51852	52168
UN47438	Rsa1.0_00050.1	848	237174	0	578	622	92 -	3	605	7598	8208
UN47439	Rsa1.0_02177.1	1039	34262	1.00E-77	169	176	96 -	516	691	14545	14720
UN47440	Rsa1.0_00227.1	1029	105849	1.00E-136	276	285	96 -	747	1029	102312	102596
UN47441	Rsa1.0_00779.1	1083	64568	7.00E-89	216	232	93 +	649	880	33078	33300
UN47442	Rsa1.0_00139.1	962	357786	6.00E-92	195	202	96 +	762	960	292094	292295
UN47443	Rsa1.0_01228.1	1097	50238	1.00E-134	348	382	91 -	2	383	2669	3038
UN47444	Rsa1.0_00038.1	1052	314568	1.00E-126	374	420	89 +	3	419	252498	252902
UN47445	Rsa1.0_06968.1	1074	10090	0	676	705	95 -	358	1058	7721	8421
UN47446	Rsa1.0_00398.1	781	88007	0	551	574	95 +	206	779	86395	86963
UN47447	Rsa1.0_01431.1	757	167877	0	711	757	93 +	1	757	36804	37540
UN47448	Rsa1.0_02874.1	1345	27070	1.00E-114	230	237	97 +	842	1078	464	700
UN47449	Rsa1.0_14107.1	1033	3802	0	585	590	99 +	444	1033	477	1066
UN47450	Rsa1.0_01382.1	1432	46877	1.00E-152	333	354	94 -	1075	1417	37450	37801
UN47451	Rsa1.0_10640.1	780	5772	1.00E-116	261	279	93 +	502	780	1603	1871
UN47452	Rsa1.0_71002.1	1132	323	6.00E-83	160	161	99 +	556	716	2	162
UN47453	Rsa1.0_24540.1	700	982	0	635	657	96 +	1	657	323	979
UN47454	Rsa1.0_04524.1	1152	16981	0	400	422	94 -	37	454	5653	6069
UN47455	Rsa1.0_13994.1	917	3941	0	349	357	97 +	324	680	1610	1966
UN47456	Rsa1.0_02859.1	1077	162118	1.00E-171	349	361	96 -	1	361	144252	144610
UN47457	Rsa1.0_01242.1	946	50066	0	336	336	100 +	611	946	17542	17877
UN47458	Rsa1.0_00382.1	1032	251946	0	977	1024	95 +	2	1025	108559	109577
UN47459	Rsa1.0_00005.1	1187	353093	1.00E-150	288	294	97 -	773	1066	129278	129571
UN47460	Rsa1.0_00541.1	829	76863	0	671	676	99 +	1	676	61278	61952
UN47461	Rsa1.0_08961.1	962	6750	1.00E-175	372	388	95 -	563	948	4366	4752

UN47462	Rsa1.0.00104.1	1339	368722	0	655	695	94 +	3	687	11728	12409
UN47463	Rsa1.0.03127.1	766	25191	0	689	727	94 +	1	711	22838	23561
UN47464	Rsa1.0.28401.1	822	817	7.00E-73	149	152	98 +	439	590	513	664
UN47465	Rsa1.0.04355.1	942	146733	0	553	557	99 +	1	556	3275	3831
UN47466	Rsa1.0.01328.1	1209	48021	4.00E-84	255	279	91 +	934	1206	44706	44979
UN47467	Rsa1.0.00886.1	1735	167350	0	689	733	93 -	384	1102	12242	12964
UN47468	Rsa1.0.00642.1	935	201230	1.00E-130	270	279	96 +	133	408	162621	162898
UN47469	Rsa1.0.01773.1	1529	39546	0	455	462	98 +	1071	1529	21580	22041
UN47470	Rsa1.0.00087.1	1022	761073	0	652	673	96 +	2	673	18831	19503
UN47471	Rsa1.0.02616.1	588	29542	0	365	371	98 +	218	588	23314	23684
UN47472	Rsa1.0.00699.1	871	184398	0	756	783	96 +	1	783	2245	3027
UN47473	Rsa1.0.00341.1	1251	249309	1.00E-125	290	313	92 +	952	1249	25557	25867
UN47474	Rsa1.0.04483.1	798	17174	1.00E-105	210	215	97 -	203	417	8253	8467
UN47475	Rsa1.0.00083.1	972	442773	0	560	627	89 -	118	735	319657	320280
UN47476	Rsa1.0.05282.1	1046	14270	1.00E-153	327	343	95 -	705	1046	4132	4474
UN47477	Rsa1.0.00108.1	831	478491	0	338	339	99 -	1	339	270627	270965
UN47478	Rsa1.0.05217.1	1026	142938	1.00E-162	371	395	93 +	24	415	136382	136763
UN47479	Rsa1.0.00453.1	1001	83031	0	334	338	98 +	663	1000	19304	19641
UN47480	Rsa1.0.01591.1	677	42718	7.00E-57	116	117	99 -	190	306	16521	16637
UN47481	Rsa1.0.01249.1	762	188432	5.00E-64	145	151	96 +	3	153	175553	175700
UN47482	Rsa1.0.06872.1	868	10231	1.00E-106	219	226	96 +	453	675	1961	2186
UN47483	Rsa1.0.00324.1	972	218805	0	929	966	96 -	2	965	214978	215939
UN47484	Rsa1.0.01173.1	995	51727	0	481	526	91 -	1	513	30217	30722
UN47485	Rsa1.0.07617.1	905	9015	0	787	817	96 +	100	905	3201	4013
UN47486	Rsa1.0.00425.1	987	147080	0	686	717	95 +	263	968	96148	96864
UN47487	Rsa1.0.01828.1	839	38681	0	638	639	99 -	201	839	36838	37476
UN47488	Rsa1.0.00020.1	767	283099	1.00E-120	229	232	98 -	478	709	91309	91540
UN47489	Rsa1.0.01946.1	1248	36982	0	383	401	95 +	848	1248	33540	33934
UN47490	Rsa1.0.25306.1	1177	942	0	394	410	96 -	674	1079	328	735
UN47491	Rsa1.0.00206.1	1081	109040	1.00E-118	242	248	97 -	835	1081	50442	50687
UN47492	Rsa1.0.00115.1	1219	131321	1.00E-155	319	331	96 +	888	1217	54113	54443
UN47493	Rsa1.0.01997.1	1091	158416	1.00E-159	313	321	97 -	773	1089	151780	152098
UN47494	Rsa1.0.00032.1	914	306326	1.00E-111	280	302	92 -	29	329	279058	279354
UN47495	Rsa1.0.00015.1	937	561803	1.00E-166	387	415	93 +	479	889	526505	526905
UN47496	Rsa1.0.00079.1	764	606987	1.00E-135	365	400	91 +	359	741	22253	22650
UN47497	Rsa1.0.00112.1	948	132199	1.00E-177	389	413	94 -	369	778	116397	116809
UN47498	Rsa1.0.00010.1	750	294827	0	444	471	94 -	284	747	132190	132653
UN47499	Rsa1.0.01125.1	737	53193	1.00E-110	206	207	99 -	531	737	41028	41234
UN47500	Rsa1.0.00077.1	765	145005	0	567	588	96 +	1	579	89602	90189

UN47501	Rsa1.0_00293.1	812	339294	0	417	434	96 +	364	794	301492	301921
UN47502	Rsa1.0_01405.1	1141	46445	0	533	536	99 +	605	1140	27825	28360
UN47503	Rsa1.0_01419.1	1341	167402	0	963	994	96 -	348	1341	159790	160768
UN47504	Rsa1.0_00342.1	584	93695	5.00E-73	173	180	96 -	28	207	32256	32432
UN47505	Rsa1.0_00336.1	834	445051	0	778	827	94 +	3	826	146854	147662
UN47506	Rsa1.0_23843.1	1070	1022	0	573	589	97 +	483	1070	77	665
UN47507	Rsa1.0_06133.1	1217	11663	1.00E-169	305	306	99 +	609	914	8879	9184
UN47508	Rsa1.0_04123.1	707	18947	0	682	705	96 -	2	705	11838	12539
UN47509	Rsa1.0_01740.1	1241	39986	0	451	459	98 -	383	841	13886	14344
UN47510	Rsa1.0_00017.1	996	752458	1.00E-172	384	408	94 -	589	996	293408	293810
UN47511	Rsa1.0_00162.1	939	239935	0	900	929	96 -	1	925	15397	16325
UN47512	Rsa1.0_01101.1	621	54031	0	414	422	98 +	1	421	15225	15645
UN47513	Rsa1.0_00017.1	913	752458	0	601	618	97 -	296	912	313630	314244
UN47514	Rsa1.0_00375.1	861	90207	0	390	405	96 -	2	406	2405	2808
UN47515	Rsa1.0_00009.1	671	232558	0	398	410	97 +	263	671	138504	138913
UN47516	Rsa1.0_00127.1	779	127446	1.00E-174	398	426	93 -	3	427	21412	21828
UN47517	Rsa1.0_02280.1	956	33063	0	607	614	98 +	343	956	511	1124
UN47518	Rsa1.0_05745.1	1029	12750	2.00E-79	212	233	90 -	802	1018	2840	3071
UN47519	Rsa1.0_00059.1	1069	159650	1.00E-106	233	244	95 +	1	243	147722	147965
UN47520	Rsa1.0_02978.1	1302	26304	1.00E-154	308	316	97 -	987	1302	11766	12079
UN47521	Rsa1.0_00011.1	1047	225044	1.00E-119	223	225	99 +	1	225	50370	50594
UN47522	Rsa1.0_00873.1	1024	61459	0	497	527	94 -	13	539	46323	46844
UN47523	Rsa1.0_00907.1	656	60062	0	351	354	99 +	246	599	1479	1829
UN47524	Rsa1.0_10201.1	1211	5946	0	1165	1212	96 -	2	1203	389	1598
UN47525	Rsa1.0_02101.1	1011	35017	0	1005	1011	99 -	1	1009	20154	21164
UN47526	Rsa1.0_01110.1	986	195852	0	593	622	95 -	366	975	36405	37025
UN47527	Rsa1.0_03821.1	1144	20643	1.00E-127	274	284	96 +	1	284	12660	12940
UN47528	Rsa1.0_00939.1	1077	185227	1.00E-133	242	242	100 -	335	576	39136	39377
UN47529	Rsa1.0_00748.1	1097	65983	0	666	697	95 -	392	1085	33492	34182
UN47530	Rsa1.0_00596.1	1142	73578	5.00E-90	239	262	91 +	884	1142	10496	10746
UN47531	Rsa1.0_00501.1	1074	79545	0	568	606	93 +	219	803	24411	25010
UN47532	Rsa1.0_01023.1	1047	56571	1.00E-177	373	393	94 -	1	381	15639	16031
UN47533	Rsa1.0_00622.1	1033	71822	0	952	1030	92 -	3	1032	52553	53573
UN47534	Rsa1.0_03344.1	1066	23593	0	435	461	94 -	1	461	12154	12612
UN47535	Rsa1.0_00447.1	744	84051	1.00E-110	220	226	97 -	3	228	26801	27026
UN47536	Rsa1.0_01656.1	757	41494	3.00E-93	189	194	97 -	348	541	12318	12511
UN47537	Rsa1.0_00064.1	1369	240927	1.00E-136	378	419	90 -	956	1365	124812	125217
UN47538	Rsa1.0_00364.1	853	90951	0	723	750	96 +	2	743	76967	77714
UN47539	Rsa1.0_01536.1	1245	43747	0	868	892	97 +	1	892	31792	32683

UN47540	Rsa1.0.00007.1	1009	239325	0	980	1031	95 +	2	1009	50067	51096
UN47541	Rsa1.0.34213.1	906	662	1.00E-152	288	293	98 -	66	358	162	454
UN47542	Rsa1.0.00979.1	2060	57733	0	838	873	95 +	987	1856	26891	27762
UN47543	Rsa1.0.00101.1	856	267193	3.00E-90	229	251	91 -	1	235	208637	208887
UN47544	Rsa1.0.01937.1	1495	37147	0	476	486	97 +	1	477	30186	30671
UN47545	Rsa1.0.07849.1	736	8425	0	367	374	98 +	1	372	1255	1628
UN47546	Rsa1.0.02955.1	989	26484	0	376	394	95 -	361	754	8	401
UN47547	Rsa1.0.01540.1	1229	151890	1.00E-104	213	220	96 +	779	998	129408	129627
UN47548	Rsa1.0.01294.1	1265	49090	0	377	377	100 +	1	377	42094	42470
UN47549	Rsa1.0.00326.1	923	171955	0	399	405	98 -	492	896	19723	20125
UN47550	Rsa1.0.04486.1	922	17161	0	467	483	96 +	1	483	12770	13249
UN47551	Rsa1.0.01848.1	1029	38312	1.00E-148	287	291	98 -	1	290	3194	3483
UN47552	Rsa1.0.36118.1	675	625	1.00E-150	272	273	99 -	403	675	24	296
UN47553	Rsa1.0.02450.1	915	31288	0	745	783	95 +	133	914	16924	17683
UN47554	Rsa1.0.00122.1	1439	265937	0	475	494	96 -	947	1437	247380	247866
UN47555	Rsa1.0.00391.1	780	183853	0	602	622	96 -	158	775	64326	64947
UN47556	Rsa1.0.01492.1	902	44704	1.00E-116	215	216	99 -	1	216	6004	6219
UN47557	Rsa1.0.01530.1	794	43820	0	775	777	99 +	10	786	31418	32193
UN47558	Rsa1.0.00087.1	995	761073	1.00E-152	286	289	98 -	705	993	728814	729101
UN47559	Rsa1.0.03955.1	780	19884	1.00E-138	308	328	93 -	3	324	13268	13595
UN47560	Rsa1.0.03640.1	1082	21624	0	436	450	96 +	1	449	15552	15995
UN47561	Rsa1.0.18025.1	1403	1687	0	520	529	98 +	729	1257	1162	1687
UN47562	Rsa1.0.01967.1	1006	36672	0	641	647	99 +	3	649	15944	16589
UN47563	Rsa1.0.05778.1	911	12656	0	694	712	97 -	2	713	7	718
UN47564	Rsa1.0.00197.1	839	109714	0	517	540	95 +	153	692	64829	65368
UN47565	Rsa1.0.00113.1	952	131574	0	534	538	99 +	1	538	13053	13590
UN47566	Rsa1.0.03123.1	949	25207	0	607	627	96 -	9	632	22210	22836
UN47567	Rsa1.0.00056.1	1172	332604	1.00E-96	201	208	96 +	796	1003	313940	314147
UN47568	Rsa1.0.00654.1	854	70012	1.00E-157	332	348	95 +	299	643	41118	41465
UN47569	Rsa1.0.00048.1	949	167185	0	341	343	99 +	9	351	7217	7559
UN47570	Rsa1.0.00761.1	866	65133	0	559	582	96 +	163	744	12489	13055
UN47571	Rsa1.0.00662.1	944	192183	1.00E-173	376	399	94 +	557	944	2200	2598
UN47572	Rsa1.0.00218.1	798	201480	0	794	796	99 +	1	796	158001	158796
UN47573	Rsa1.0.00679.1	954	68971	4.00E-99	187	188	99 -	286	473	34260	34447
UN47574	Rsa1.0.00979.1	1000	57733	0	679	692	98 +	3	693	1022	1712
UN47575	Rsa1.0.01077.1	1126	54772	0	576	605	95 +	3	602	10741	11340
UN47576	Rsa1.0.00634.1	948	71222	0	345	353	97 -	1	353	70500	70852
UN47577	Rsa1.0.10817.1	1046	5712	1.00E-132	280	291	96 -	758	1046	3984	4273
UN47578	Rsa1.0.00175.1	1139	166121	0	656	679	96 -	461	1139	61672	62344

UN47579	Rsa1.0.00039.1	878	296927	0	569	596	95 -	278	869	11857	12448
UN47580	Rsa1.0.02499.1	844	30774	1.00E-117	237	243	97 -	576	818	1181	1422
UN47581	Rsa1.0.00825.1	1092	62855	1.00E-175	312	312	100 +	1	312	36282	36593
UN47582	Rsa1.0.01907.1	820	37431	1.00E-159	315	324	97 -	220	543	17877	18199
UN47583	Rsa1.0.00710.1	340	67325	1.00E-87	212	227	93 +	115	339	1773	1999
UN47584	Rsa1.0.00045.1	971	328694	0	642	660	97 -	1	660	229947	230589
UN47585	Rsa1.0.00336.1	1375	445051	0	505	511	98 +	863	1373	221235	221742
UN47586	Rsa1.0.00104.1	872	368722	0	345	349	98 -	166	511	201064	201412
UN47587	Rsa1.0.02735.1	1115	28344	0	583	602	96 +	3	603	2751	3346
UN47588	Rsa1.0.04179.1	720	18633	1.00E-112	220	225	97 -	308	532	16849	17073
UN47589	Rsa1.0.00275.1	1003	210104	0	905	974	92 +	32	1003	205304	206257
UN47590	Rsa1.0.05159.1	1145	14642	0	474	490	96 -	656	1145	7701	8179
UN47591	Rsa1.0.00128.1	975	228675	1.00E-96	187	188	99 +	1	188	150639	150825
UN47592	Rsa1.0.14319.1	1132	3529	1.00E-159	470	531	88 -	306	836	2316	2843
UN47593	Rsa1.0.05510.1	847	13470	1.00E-129	266	274	97 -	1	273	12012	12284
UN47594	Rsa1.0.00928.1	1157	59293	1.00E-138	300	317	94 -	1	317	32258	32574
UN47595	Rsa1.0.01124.1	628	53295	0	617	627	98 -	2	628	25577	26202
UN47596	Rsa1.0.00107.1	818	431659	1.00E-74	224	251	89 -	566	812	254239	254478
UN47597	Rsa1.0.00502.1	737	204180	0	518	544	95 -	189	731	181107	181649
UN47598	Rsa1.0.00020.1	813	283099	4.00E-71	175	187	93 -	3	189	63221	63399
UN47599	Rsa1.0.00740.1	1098	215972	0	539	561	96 -	540	1097	11288	11848
UN47600	Rsa1.0.05741.1	844	12773	1.00E-168	364	382	95 -	462	842	3053	3430
UN47601	Rsa1.0.01580.1	777	42852	1.00E-104	211	217	97 +	347	563	37225	37441
UN47602	Rsa1.0.05217.1	551	142938	0	512	533	96 -	18	550	134944	135473
UN47603	Rsa1.0.01716.1	1138	40483	0	393	409	96 -	2	404	33499	33903
UN47604	Rsa1.0.01989.1	849	36439	0	404	406	99 +	444	849	22889	23294
UN47605	Rsa1.0.01578.1	925	42880	0	367	371	98 -	178	547	12484	12854
UN47606	Rsa1.0.08717.1	860	7008	0	479	506	94 -	50	553	2884	3388
UN47607	Rsa1.0.00025.1	1301	277312	0	754	812	92 +	1	788	251346	252153
UN47608	Rsa1.0.00323.1	796	159650	0	420	436	96 -	1	429	148155	148587
UN47609	Rsa1.0.00725.1	972	66757	0	854	950	89 +	26	972	45580	46524
UN47610	Rsa1.0.03900.1	1041	133221	1.00E-172	345	355	97 -	1	354	3917	4270
UN47611	Rsa1.0.00133.1	1357	123768	0	445	447	99 +	908	1354	9867	10312
UN47612	Rsa1.0.00104.1	864	368722	0	718	742	96 -	9	750	153424	154163
UN47613	Rsa1.0.00100.1	555	249232	0	476	476	100 -	80	555	221770	222245
UN47614	Rsa1.0.00363.1	871	90968	1.00E-136	265	269	98 -	4	269	69009	69277
UN47615	Rsa1.0.00116.1	1053	365886	1.00E-174	337	346	97 +	245	590	35488	35833
UN47616	Rsa1.0.01783.1	754	39383	0	546	601	90 -	2	599	15244	15817
UN47617	Rsa1.0.01026.1	791	171624	1.00E-138	255	257	99 -	533	789	158770	159026

UN47618	Rsa1.0_00493.1	1062	80007	0	798	826	96 +	220	1035	77117	77935
UN47619	Rsa1.0_15466.1	835	2589	0	685	710	96 -	134	835	1042	1751
UN47620	Rsa1.0_00119.1	1270	467509	0	367	379	96 -	1	379	91915	92289
UN47621	Rsa1.0_05918.1	851	12244	0	767	789	97 -	43	831	8543	9325
UN47622	Rsa1.0_02274.1	842	33109	1.00E-134	326	356	91 +	488	842	22370	22705
UN47623	Rsa1.0_02209.1	956	33873	1.00E-162	349	370	94 +	18	384	26599	26957
UN47624	Rsa1.0_00124.1	662	262503	1.00E-116	279	296	94 -	369	662	14152	14444
UN47625	Rsa1.0_00037.1	838	307838	0	470	473	99 -	369	838	198183	198655
UN47626	Rsa1.0_03646.1	1280	21598	0	390	406	96 -	875	1280	20921	21326
UN47627	Rsa1.0_02144.1	1332	34630	0	390	390	100 -	7	396	23103	23492
UN47628	Rsa1.0_00252.1	769	102760	0	483	515	93 -	134	639	94671	95185
UN47629	Rsa1.0_00095.1	1028	283384	0	597	622	95 -	327	947	96573	97193
UN47630	Rsa1.0_01340.1	595	47805	1.00E-67	257	301	85 +	8	298	20630	20919
UN47631	Rsa1.0_07130.1	1795	9861	0	450	468	96 +	1332	1795	5298	5763
UN47632	Rsa1.0_00136.1	1131	122464	1.00E-128	264	272	97 -	1	272	30698	30966
UN47633	Rsa1.0_00253.1	990	231292	0	892	940	94 +	1	938	101584	102522
UN47634	Rsa1.0_03943.1	982	19931	0	333	334	99 +	1	334	9560	9893
UN47635	Rsa1.0_00152.1	886	257730	0	620	666	93 -	1	664	118021	118672
UN47636	Rsa1.0_00329.1	1206	222544	5.00E-93	205	216	94 -	1	216	149718	149926
UN47637	Rsa1.0_00911.1	957	59943	1.00E-143	258	258	100 -	616	873	13349	13606
UN47638	Rsa1.0_00032.1	669	306326	1.00E-119	270	287	94 +	31	317	154752	155035
UN47639	Rsa1.0_00484.1	716	203294	1.00E-111	207	208	99 +	123	330	150959	151166
UN47640	Rsa1.0_00745.1	836	66067	1.00E-147	274	277	98 +	371	647	47034	47310
UN47641	Rsa1.0_01515.1	750	170864	0	733	762	96 -	2	749	140654	141415
UN47642	Rsa1.0_00203.1	850	109129	4.00E-68	178	190	93 -	7	193	28753	28940
UN47643	Rsa1.0_00108.1	1035	478491	0	902	957	94 +	3	946	448316	449256
UN47644	Rsa1.0_00119.1	719	467509	1.00E-162	318	325	97 +	387	710	62711	63034
UN47645	Rsa1.0_10093.1	799	6001	0	454	477	95 +	312	787	4459	4934
UN47646	Rsa1.0_01013.1	864	56822	0	451	455	99 +	1	454	22839	23293
UN47647	Rsa1.0_00017.1	1018	752458	6.00E-83	264	297	88 -	71	352	30157	30441
UN47648	Rsa1.0_01753.1	1082	39794	0	803	844	95 +	259	1082	10586	11429
UN47649	Rsa1.0_00811.1	1101	63242	1.00E-161	371	399	92 +	3	389	30478	30876
UN47650	Rsa1.0_00252.1	976	102760	0	544	559	97 +	382	940	57128	57686
UN47651	Rsa1.0_00453.1	1089	83031	1.00E-107	203	205	99 -	750	954	69850	70054
UN47652	Rsa1.0_00161.1	858	116891	0	615	653	94 +	219	858	32535	33187
UN47653	Rsa1.0_00248.1	1066	163568	0	495	495	100 -	572	1066	66779	67273
UN47654	Rsa1.0_00331.1	848	176754	2.33E-156	281	287	97 +	195	481	99092	99378
UN47655	Rsa1.0_07972.1	643	8151	4.00E-61	162	176	92 +	68	243	3877	4052
UN47656	Rsa1.0_07795.1	878	8543	1.00E-119	324	360	90 +	530	878	1620	1973

UN47657	Rsa1.0.01149.1	879	160459	0	372	376	98 +	1	375	154019	154392
UN47658	Rsa1.0.00635.1	1072	175826	0	471	481	97 -	1	481	122704	123180
UN47659	Rsa1.0.00497.1	487	79830	1.00E-106	244	258	94 +	7	263	43604	43858
UN47660	Rsa1.0.00978.1	965	57739	0	595	619	96 -	322	940	41982	42599
UN47661	Rsa1.0.01530.1	1231	43820	0	935	946	98 -	286	1230	5514	6455
UN47662	Rsa1.0.00047.1	844	168582	1.00E-168	311	315	98 +	529	843	99362	99676
UN47663	Rsa1.0.00421.1	1101	86365	1.00E-100	186	186	100 -	469	654	76518	76703
UN47664	Rsa1.0.00343.1	1076	93570	0	459	464	98 -	1	464	74535	74997
UN47665	Rsa1.0.01340.1	695	47805	1.00E-122	235	239	98 -	413	651	25094	25332
UN47666	Rsa1.0.03122.1	1209	25207	0	715	724	98 -	4	727	22352	23075
UN47667	Rsa1.0.00476.1	295	280966	1.00E-150	288	293	98 -	2	294	161083	161374
UN47668	Rsa1.0.00529.1	404	77487	3.00E-79	159	162	98 +	1	162	25132	25293
UN47669	Rsa1.0.00186.1	818	112669	0	683	689	99 +	130	818	107284	107970
UN47670	Rsa1.0.00026.1	802	327835	0	562	590	95 +	191	780	1485	2074
UN47671	Rsa1.0.02365.1	1079	32118	0	686	752	91 -	335	1079	17969	18715
UN47672	Rsa1.0.19257.1	711	1455	1.00E-166	369	392	94 +	318	709	108	487
UN47673	Rsa1.0.01814.1	408	38917	0	403	407	99 +	1	407	37195	37601
UN47674	Rsa1.0.00190.1	1253	318240	1.00E-179	392	415	94 +	1	414	196709	197113
UN47675	Rsa1.0.00017.1	900	752458	1.00E-174	353	366	96 -	539	900	466125	466483
UN47676	Rsa1.0.01077.1	1116	54772	0	582	583	99 +	1	583	10758	11340
UN47677	Rsa1.0.01593.1	1287	150996	0	383	391	97 +	1	391	149461	149850
UN47678	Rsa1.0.00737.1	814	66432	2.00E-91	252	282	89 -	520	795	11940	12208
UN47679	Rsa1.0.04819.1	1092	140505	0	890	909	97 -	2	910	1503	2410
UN47680	Rsa1.0.02045.1	1304	35650	0	667	752	88 -	518	1264	34106	34847
UN47681	Rsa1.0.03673.1	837	21448	0	438	454	96 -	379	829	4140	4589
UN47682	Rsa1.0.00398.1	568	88007	0	341	342	99 -	1	342	86628	86969
UN47683	Rsa1.0.00060.1	744	502678	1.00E-121	245	253	96 +	5	257	499426	499678
UN47684	Rsa1.0.00748.1	1132	65983	0	658	699	94 -	424	1113	33490	34182
UN47685	Rsa1.0.00201.1	478	232851	1.00E-105	245	257	95 -	227	478	203712	203968
UN47686	Rsa1.0.02681.1	1122	28711	0	528	528	100 -	595	1122	12843	13370
UN47687	Rsa1.0.03499.1	1366	22462	0	426	434	98 +	24	457	21275	21708
UN47688	Rsa1.0.00923.1	740	153678	0	509	532	95 -	51	582	45727	46257
UN47689	Rsa1.0.00188.1	651	112020	0	623	645	96 +	2	644	22923	23566
UN47690	Rsa1.0.00118.1	561	130637	0	524	563	93 +	12	561	28823	29384
UN47691	Rsa1.0.01196.1	809	51097	1.00E-117	235	242	97 -	508	749	32596	32837
UN47692	Rsa1.0.00911.1	824	59943	0	785	825	95 -	1	823	29024	29845
UN47693	Rsa1.0.00752.1	858	65756	1.00E-166	318	325	97 -	3	327	14187	14511
UN47694	Rsa1.0.00548.1	848	76518	1.00E-179	330	334	98 -	34	367	65913	66246
UN47695	Rsa1.0.00245.1	1034	103569	0	400	406	98 +	629	1033	14936	15341

UN47696	Rsa1.0.00010.1	866	294827	0	457	490	93 +	11	492	132170	132657
UN47697	Rsa1.0.06989.1	1053	10060	0	555	555	100 +	499	1053	6587	7141
UN47698	Rsa1.0.04116.1	1006	18971	1.00E-154	326	340	95 -	3	342	3060	3396
UN47699	Rsa1.0.00454.1	914	216970	1.00E-104	247	260	95 +	1	255	184336	184595
UN47700	Rsa1.0.01992.1	937	36424	0	835	855	97 -	83	937	5480	6332
UN47701	Rsa1.0.01536.1	819	43747	1.00E-169	336	346	97 -	40	385	28390	28734
UN47702	Rsa1.0.01536.1	798	43747	1.00E-165	336	347	96 +	421	767	28390	28734
UN47703	Rsa1.0.00379.1	850	89865	1.00E-145	287	294	97 +	557	849	52324	52617
UN47704	Rsa1.0.00661.1	695	213041	0	415	437	94 +	143	578	66549	66981
UN47705	Rsa1.0.13019.1	750	5042	0	730	751	97 +	2	750	2161	2911
UN47706	Rsa1.0.00855.1	1375	62047	1.00E-163	312	316	98 -	3	317	18514	18828
UN47707	Rsa1.0.02820.1	936	27629	0	359	369	97 -	568	936	22435	22799
UN47708	Rsa1.0.00025.1	1220	277312	1.00E-119	236	242	97 +	313	554	156364	156605
UN47709	Rsa1.0.36744.1	973	614	0	401	418	95 +	115	532	94	511
UN47710	Rsa1.0.02536.1	1212	30368	0	1141	1183	96 +	13	1194	19551	20733
UN47711	Rsa1.0.10478.1	1033	5832	1.00E-118	267	282	94 -	1	273	5140	5416
UN47712	Rsa1.0.00269.1	1678	341668	0	497	521	95 -	505	1007	316281	316801
UN47713	Rsa1.0.00022.1	1171	200461	0	449	449	100 +	1	449	17596	18044
UN47714	Rsa1.0.02253.1	770	33356	1.00E-165	374	402	93 +	1	392	10438	10839
UN47715	Rsa1.0.40008.1	894	562	0	350	350	100 -	275	624	1	350
UN47716	Rsa1.0.00790.1	611	148693	0	500	508	98 -	103	610	49134	49641
UN47717	Rsa1.0.00620.1	1031	71985	0	491	507	96 -	376	882	55327	55832
UN47718	Rsa1.0.02301.1	893	32835	0	879	884	99 -	6	889	20262	21145
UN47719	Rsa1.0.05326.1	957	14139	0	353	353	100 +	3	355	4862	5214
UN47720	Rsa1.0.03925.1	247	20025	6.00E-61	219	246	89 -	9	247	3907	4148
UN47721	Rsa1.0.04371.1	596	17700	1.00E-127	257	266	96 +	24	289	613	878
UN47722	Rsa1.0.02386.1	576	31895	0	573	575	99 +	2	576	10512	11086
UN47723	Rsa1.0.01382.1	1487	46877	1.00E-134	333	361	92 +	4	355	37442	37801
UN47724	Rsa1.0.01836.1	868	38503	1.00E-154	317	328	96 -	542	868	5091	5416
UN47725	Rsa1.0.00121.1	906	278029	0	400	407	98 -	500	906	120184	120590
UN47726	Rsa1.0.02841.1	1307	27383	7.00E-46	104	107	97 -	909	1015	3289	3395
UN47727	Rsa1.0.00107.1	944	431659	0	523	536	97 +	2	530	165626	166159
UN47728	Rsa1.0.01740.1	1514	39986	0	710	724	98 -	1	724	36882	37605
UN47729	Rsa1.0.09091.1	666	6656	0	463	485	95 -	1	467	2634	3118
UN47730	Rsa1.0.00293.1	940	339294	0	443	446	99 +	496	940	254540	254985
UN47731	Rsa1.0.03553.1	1171	22150	1.00E-139	255	256	99 -	264	519	16199	16454
UN47732	Rsa1.0.03640.1	490	21624	0	490	490	100 +	1	490	15552	16041
UN47733	Rsa1.0.00307.1	851	199003	0	352	352	100 +	1	352	183205	183556
UN47734	Rsa1.0.00890.1	748	323870	0	504	524	96 +	4	527	16745	17268

UN47735	Rsa1.0_03952.1	883	19891	0	551	570	96 -	172	741	3722	4288
UN47736	Rsa1.0_00154.1	1187	189461	0	620	652	95 +	535	1186	24514	25144
UN47737	Rsa1.0_03471.1	616	22678	1.00E-113	228	234	97 +	226	456	14969	15202
UN47738	Rsa1.0_00108.1	1231	478491	0	437	460	95 +	769	1226	91768	92224
UN47739	Rsa1.0_00104.1	908	368722	0	807	829	97 -	3	830	205967	206793
UN47740	Rsa1.0_01387.1	933	46745	1.00E-108	246	263	93 -	684	932	31058	31320
UN47741	Rsa1.0_00307.1	515	199003	1.00E-174	338	346	97 +	3	348	171089	171433
UN47742	Rsa1.0_01434.1	878	45951	0	833	889	93 -	2	875	276	1151
UN47743	Rsa1.0_01492.1	938	44704	1.00E-126	261	272	95 -	2	267	6004	6275
UN47744	Rsa1.0_00055.1	1054	520193	0	738	771	95 +	3	771	64614	65377
UN47745	Rsa1.0_20913.1	1011	1256	0	906	908	99 -	100	1006	1	908
UN47746	Rsa1.0_02231.1	689	33661	0	627	659	95 -	32	688	27235	27884
UN47747	Rsa1.0_07321.1	867	9559	0	389	395	98 +	1	395	4933	5326
UN47748	Rsa1.0_00051.1	727	258225	1.00E-166	427	467	91 +	1	463	62905	63361
UN47749	Rsa1.0_00425.1	825	147080	0	552	569	97 -	257	825	113931	114494
UN47750	Rsa1.0_01196.1	913	51097	1.00E-102	216	225	96 -	478	702	32613	32837
UN47751	Rsa1.0_02045.1	534	35650	0	367	369	99 +	6	374	23477	23845
UN47752	Rsa1.0_01964.1	883	36702	0	501	544	92 -	356	883	35684	36221
UN47753	Rsa1.0_00715.1	567	67116	0	497	546	91 -	24	566	63608	64137
UN47754	Rsa1.0_04405.1	618	17508	1.00E-113	252	265	95 -	259	523	14359	14619
UN47755	Rsa1.0_04478.1	917	17183	1.00E-152	310	321	96 +	596	915	3267	3587
UN47756	Rsa1.0_04220.1	822	18421	0	485	489	99 -	336	822	9494	9982
UN47757	Rsa1.0_00145.1	812	261008	1.00E-128	308	330	93 +	4	317	38533	38862
UN47758	Rsa1.0_00770.1	605	64900	1.00E-147	286	292	97 +	57	347	9808	10099
UN47759	Rsa1.0_07309.1	787	9572	0	490	510	96 -	1	504	4292	4801
UN47760	Rsa1.0_02365.1	743	32118	0	432	441	97 +	306	743	12194	12634
UN47761	Rsa1.0_01515.1	724	170864	0	617	648	95 -	5	641	140753	141399
UN47762	Rsa1.0_01524.1	689	43949	1.00E-172	306	306	100 +	1	306	20481	20786
UN47763	Rsa1.0_01466.1	837	45161	3.00E-69	143	146	97 -	211	356	28487	28632
UN47764	Rsa1.0_00028.1	694	293984	0	675	699	96 +	2	694	64967	65664
UN47765	Rsa1.0_03290.1	887	24011	1.00E-128	274	285	96 +	591	874	18991	19274
UN47766	Rsa1.0_00306.1	1011	146760	1.00E-167	420	462	90 -	151	600	133202	133651
UN47767	Rsa1.0_00012.1	978	222148	0	529	558	94 +	23	573	169628	170177
UN47768	Rsa1.0_00619.1	1271	71985	0	909	942	96 -	331	1270	14069	14998
UN47769	Rsa1.0_00913.1	1414	59914	0	568	589	96 -	164	749	17896	18483
UN47770	Rsa1.0_00048.1	921	167185	0	442	446	99 +	478	921	162537	162982
UN47771	Rsa1.0_00164.1	802	116642	0	773	804	96 -	1	802	70422	71220
UN47772	Rsa1.0_00125.1	623	253043	1.00E-107	288	316	91 +	27	335	190669	190983
UN47773	Rsa1.0_01484.1	1269	44806	1.00E-62	260	302	86 -	92	389	15951	16252

UN47774	Rsa1.0.02670.1	1145	28887	1.00E-164	402	431	93 +	1	424	3780	4204
UN47775	Rsa1.0.29517.1	867	780	1.00E-113	207	207	100 -	661	867	543	749
UN47776	Rsa1.0.13828.1	775	4254	0	487	514	94 +	10	522	2006	2516
UN47777	Rsa1.0.03181.1	943	24763	2.33E-156	341	363	93 -	270	631	19289	19649
UN47778	Rsa1.0.00112.1	751	132199	0	358	364	98 +	1	364	72986	73349
UN47779	Rsa1.0.04191.1	794	18578	0	437	451	96 -	3	453	7426	7864
UN47780	Rsa1.0.00059.1	1216	159650	0	453	467	97 -	753	1216	121165	121628
UN47781	Rsa1.0.00112.1	1003	132199	0	413	413	100 -	394	806	116397	116809
UN47782	Rsa1.0.03347.1	732	23588	1.00E-100	227	242	93 -	497	728	20344	20582
UN47783	Rsa1.0.04291.1	1142	18055	1.00E-140	256	257	99 +	886	1142	6256	6512
UN47784	Rsa1.0.00017.1	1149	752458	0	646	688	93 -	84	758	187371	188058
UN47785	Rsa1.0.02157.1	890	149652	1.00E-142	256	256	100 -	152	407	13750	14005
UN47786	Rsa1.0.07182.1	860	9777	0	845	858	98 +	2	859	4386	5242
UN47787	Rsa1.0.02645.1	762	29158	0	689	690	99 -	71	760	17506	18195
UN47788	Rsa1.0.00127.1	945	127446	1.00E-135	299	317	94 -	632	944	36402	36713
UN47789	Rsa1.0.03700.1	981	21299	1.00E-135	257	261	98 +	377	637	954	1214
UN47790	Rsa1.0.03132.1	606	25142	1.00E-155	316	327	96 -	281	606	20995	21318
UN47791	Rsa1.0.00394.1	906	148426	6.00E-95	207	217	95 -	3	219	107239	107455
UN47792	Rsa1.0.01831.1	1108	38628	6.00E-83	166	169	98 +	833	1001	32354	32522
UN47793	Rsa1.0.01434.1	1096	45951	1.00E-144	266	268	99 +	1	268	45521	45788
UN47794	Rsa1.0.01651.1	689	41586	0	334	335	99 +	7	341	14353	14687
UN47795	Rsa1.0.05745.1	928	12750	1.00E-114	223	226	98 -	702	926	2846	3071
UN47796	Rsa1.0.15504.1	1083	2567	0	346	348	99 -	737	1083	2220	2567
UN47797	Rsa1.0.00526.1	1096	169279	0	450	482	93 -	182	662	148049	148530
UN47798	Rsa1.0.00272.1	1051	447836	0	603	604	99 -	3	606	78070	78673
UN47799	Rsa1.0.00687.1	868	68494	0	664	675	98 +	3	677	42407	43081
UN47800	Rsa1.0.31506.1	1108	725	0	689	721	95 +	393	1106	1	710
UN47801	Rsa1.0.01355.1	842	47303	0	782	839	93 +	25	838	39323	40154
UN47802	Rsa1.0.00326.1	780	171955	5.00E-92	172	172	100 -	195	366	82742	82913
UN47803	Rsa1.0.00333.1	791	94500	1.00E-129	259	267	97 +	102	368	68164	68430
UN47804	Rsa1.0.00315.1	1443	96426	0	743	748	99 +	667	1412	89500	90247
UN47805	Rsa1.0.00318.1	968	96094	0	368	375	98 +	9	383	28422	28796
UN47806	Rsa1.0.07453.1	682	9368	1.00E-180	356	368	96 +	3	370	890	1257
UN47807	Rsa1.0.00191.1	799	316976	1.00E-114	220	222	99 -	386	606	216878	217099
UN47808	Rsa1.0.03258.1	764	24302	5.00E-86	168	170	98 -	393	562	11405	11574
UN47809	Rsa1.0.00646.1	704	70473	0	417	418	99 +	1	418	22421	22838
UN47810	Rsa1.0.00625.1	1005	71672	0	583	610	95 +	1	608	14866	15475
UN47811	Rsa1.0.05743.1	952	12768	0	867	904	95 -	1	903	5078	5978
UN47812	Rsa1.0.14856.1	815	3010	0	391	396	98 -	338	733	1797	2192

UN47813	Rsa1.0.06791.1	980	10350	0	791	835	94 +	9	843	6591	7421
UN47814	Rsa1.0.00122.1	907	265937	1.00E-157	284	285	99 -	2	286	100614	100898
UN47815	Rsa1.0.01566.1	929	43134	0	450	451	99 +	1	451	33228	33678
UN47816	Rsa1.0.00010.1	896	294827	1.00E-114	222	226	98 +	580	805	248372	248597
UN47817	Rsa1.0.03355.1	746	23489	0	617	642	96 +	106	735	14054	14695
UN47818	Rsa1.0.00119.1	890	467509	1.00E-115	281	301	93 -	262	559	247334	247627
UN47819	Rsa1.0.00637.1	1105	71038	0	455	465	97 +	3	467	28592	29056
UN47820	Rsa1.0.00439.1	527	142776	9.00E-99	241	255	94 -	8	254	59312	59565
UN47821	Rsa1.0.00033.1	705	515811	5.00E-61	223	256	87 +	3	254	33615	33858
UN47822	Rsa1.0.00713.1	731	158017	1.00E-174	352	366	96 +	1	366	558	923
UN47823	Rsa1.0.00018.1	654	410899	5.00E-70	190	206	92 +	1	204	102917	103121
UN47824	Rsa1.0.00454.1	767	216970	0	739	761	97 +	1	760	187141	187900
UN47825	Rsa1.0.05559.1	546	13329	0	406	411	98 -	70	480	7926	8336
UN47826	Rsa1.0.04925.1	832	15424	0	422	427	98 -	407	832	9278	9704
UN47827	Rsa1.0.00720.1	822	66931	1.00E-144	337	361	93 -	92	447	2953	3313
UN47828	Rsa1.0.11720.1	1033	5430	1.00E-119	293	318	92 +	3	319	2397	2696
UN47829	Rsa1.0.00316.1	1167	96264	0	576	601	95 +	1	592	57215	57814
UN47830	Rsa1.0.62130.1	849	369	0	365	369	98 +	236	604	1	369
UN47831	Rsa1.0.00451.1	1003	322533	0	945	979	96 +	27	1003	261558	262527
UN47832	Rsa1.0.01254.1	1107	49801	1.00E-134	441	498	88 -	613	1101	13794	14282
UN47833	Rsa1.0.01487.1	1212	44784	1.00E-166	303	305	99 -	1	305	2584	2888
UN47834	Rsa1.0.02424.1	385	31570	6.00E-87	197	207	95 +	2	208	6672	6877
UN47835	Rsa1.0.27735.1	627	841	1.00E-174	341	349	97 +	251	598	446	793
UN47836	Rsa1.0.00010.1	762	294827	0	484	516	93 -	255	762	132145	132653
UN47837	Rsa1.0.00243.1	1314	103651	0	828	862	96 -	458	1314	20464	21316
UN47838	Rsa1.0.00688.1	1002	68396	1.00E-80	222	241	92 +	769	1002	14822	15061
UN47839	Rsa1.0.04396.1	653	17561	0	572	596	95 +	2	583	16966	17561
UN47840	Rsa1.0.02599.1	799	29660	1.00E-149	333	352	94 +	388	735	4092	4440
UN47841	Rsa1.0.00990.1	840	57445	0	527	546	96 -	105	646	42846	43389
UN47842	Rsa1.0.25475.1	722	934	8.00E-66	134	136	98 -	271	406	28	163
UN47843	Rsa1.0.01600.1	807	42537	1.00E-122	274	291	94 -	399	689	8704	8994
UN47844	Rsa1.0.00525.1	849	78030	0	414	416	99 -	428	843	19748	20163
UN47845	Rsa1.0.00173.1	929	288743	0	481	525	91 -	41	551	41437	41952
UN47846	Rsa1.0.00788.1	716	64237	0	451	468	96 -	250	712	4310	4773
UN47847	Rsa1.0.00788.1	671	64237	0	440	461	95 +	5	462	4320	4773
UN47848	Rsa1.0.00718.1	703	279335	4.00E-86	177	182	97 +	286	467	6368	6549
UN47849	Rsa1.0.01305.1	670	48730	3.00E-87	182	188	96 +	483	670	18861	19048
UN47850	Rsa1.0.00812.1	807	63233	1.00E-179	348	358	97 -	316	673	13929	14286
UN47851	Rsa1.0.00883.1	855	61230	1.00E-107	219	225	97 +	81	304	46769	46993

UN47852	Rsa1.0.00275.1	859	210104	0	758	799	94 -	1	798	205481	206259
UN47853	Rsa1.0.00575.1	1122	74791	0	378	378	100 +	1	378	58656	59033
UN47854	Rsa1.0.05366.1	1324	14036	0	360	362	99 +	264	625	8072	8433
UN47855	Rsa1.0.00203.1	1074	109129	0	429	442	97 -	631	1072	54534	54975
UN47856	Rsa1.0.00017.1	741	752458	1.00E-106	219	226	96 +	519	741	462733	462958
UN47857	Rsa1.0.00114.1	787	131330	2.00E-82	159	160	99 +	445	604	30746	30905
UN47858	Rsa1.0.06740.1	1273	10439	0	472	472	100 +	1	472	7324	7795
UN47859	Rsa1.0.00069.1	787	403561	1.00E-174	356	369	96 -	410	776	395709	396077
UN47860	Rsa1.0.02550.1	1108	291051	1.00E-90	246	270	91 -	404	672	18638	18907
UN47861	Rsa1.0.00234.1	794	197060	0	746	782	95 +	15	792	43267	44048
UN47862	Rsa1.0.14083.1	552	3824	1.00E-174	391	415	94 -	149	552	1253	1667
UN47863	Rsa1.0.02186.1	781	34150	0	335	339	98 -	380	718	12152	12490
UN47864	Rsa1.0.04224.1	986	18402	0	387	397	97 -	3	398	703	1096
UN47865	Rsa1.0.00343.1	1163	93570	0	908	910	99 -	75	984	48437	49346
UN47866	Rsa1.0.00836.1	1056	185968	1.00E-176	436	481	90 -	3	458	169741	170213
UN47867	Rsa1.0.00285.1	1396	149638	1.00E-160	313	319	98 +	1	317	146493	146811
UN47868	Rsa1.0.53010.1	742	430	2.00E-88	166	166	100 +	359	524	265	430
UN47869	Rsa1.0.00171.1	944	115622	1.00E-110	243	254	95 -	1	253	42172	42424
UN47870	Rsa1.0.00110.1	865	132719	0	822	870	94 -	3	863	60670	61521
UN47871	Rsa1.0.00134.1	918	390219	0	426	436	97 -	483	918	45259	45694
UN47872	Rsa1.0.00528.1	1055	164755	2.00E-67	150	155	96 -	488	641	147355	147509
UN47873	Rsa1.0.02481.1	1272	31035	0	705	705	100 -	568	1272	17827	18531
UN47874	Rsa1.0.00897.1	1049	60498	1.00E-116	238	246	96 -	327	572	22614	22856
UN47875	Rsa1.0.00082.1	992	237584	1.00E-127	303	325	93 -	641	955	55346	55670
UN47876	Rsa1.0.00034.1	1262	260119	0	499	511	97 -	750	1260	129228	129738
UN47877	Rsa1.0.00014.1	892	348985	0	864	894	96 -	1	892	332283	333172
UN47878	Rsa1.0.00250.1	857	273771	0	418	423	98 +	61	483	184651	185073
UN47879	Rsa1.0.00426.1	970	85668	1.00E-136	262	267	98 -	703	969	32311	32577
UN47880	Rsa1.0.01328.1	1438	48021	0	416	417	99 +	292	708	20477	20893
UN47881	Rsa1.0.00294.1	825	144860	0	566	574	98 -	253	825	57869	58442
UN47882	Rsa1.0.00070.1	812	150321	0	462	476	97 +	2	477	37044	37507
UN47883	Rsa1.0.00954.1	922	189536	1.00E-130	245	248	98 -	658	905	154684	154931
UN47884	Rsa1.0.01220.1	417	161775	1.00E-126	286	302	94 -	1	293	138711	139010
UN47885	Rsa1.0.00609.1	1233	72785	1.00E-159	298	301	99 -	3	303	31775	32074
UN47886	Rsa1.0.00303.1	564	97468	1.00E-76	155	158	98 -	198	355	57321	57478
UN47887	Rsa1.0.01279.1	924	180330	0	920	922	99 -	1	922	32460	33380
UN47888	Rsa1.0.03956.1	1228	19872	0	499	529	94 -	706	1223	17799	18323
UN47889	Rsa1.0.01321.1	1094	48248	0	675	709	95 -	3	711	19485	20193
UN47890	Rsa1.0.33048.1	872	687	1.00E-123	500	589	84 +	234	819	1	576

UN47891	Rsa1.0.01730.1	648	40223	1.00E-165	333	346	96 +	300	645	35176	35521
UN47892	Rsa1.0.00165.1	1185	116466	1.00E-139	271	276	98 +	909	1184	7613	7887
UN47893	Rsa1.0.04524.1	1122	16981	0	422	448	94 +	682	1122	5653	6087
UN47894	Rsa1.0.00008.1	1233	358124	0	599	618	96 +	623	1233	7205	7821
UN47895	Rsa1.0.00149.1	1233	305196	0	343	343	100 +	891	1233	176264	176606
UN47896	Rsa1.0.00089.1	1092	406142	0	608	632	96 -	331	956	58191	58821
UN47897	Rsa1.0.00169.1	1027	274298	0	628	653	96 +	370	1022	87856	88507
UN47898	Rsa1.0.08080.1	886	137363	0	564	572	98 +	314	884	3699	4269
UN47899	Rsa1.0.00133.1	1258	123768	0	865	879	98 +	3	877	23124	24002
UN47900	Rsa1.0.01184.1	1135	51452	0	382	383	99 +	253	635	26949	27331
UN47901	Rsa1.0.02561.1	570	30080	1.00E-104	212	216	98 -	357	570	15372	15586
UN47902	Rsa1.0.00122.1	926	265937	1.00E-163	303	307	98 +	620	926	100614	100920
UN47903	Rsa1.0.04653.1	726	16509	1.00E-116	225	228	98 -	204	430	2773	3000
UN47904	Rsa1.0.00031.1	974	179862	0	967	974	99 +	3	974	145536	146509
UN47905	Rsa1.0.00754.1	895	65689	0	700	739	94 -	1	733	53743	54479
UN47906	Rsa1.0.02008.1	896	36109	1.00E-130	239	240	99 -	657	896	16956	17195
UN47907	Rsa1.0.06751.1	498	10417	2.00E-99	258	278	92 +	221	498	9247	9518
UN47908	Rsa1.0.06900.1	590	131268	1.00E-125	250	256	97 -	279	533	129999	130254
UN47909	Rsa1.0.04022.1	747	19534	0	476	492	96 +	8	492	1106	1594
UN47910	Rsa1.0.02165.1	1142	34423	0	424	425	99 -	7	430	1808	2232
UN47911	Rsa1.0.00762.1	399	165246	2.00E-59	117	117	100 +	84	200	51738	51854
UN47912	Rsa1.0.01536.1	755	43747	0	383	390	98 +	1	390	5587	5976
UN47913	Rsa1.0.00571.1	901	329018	0	358	359	99 +	114	472	203882	204240
UN47914	Rsa1.0.00132.1	823	124299	0	625	637	98 +	183	819	25765	26398
UN47915	Rsa1.0.12445.1	946	5224	0	432	446	96 -	100	544	3411	3856
UN47916	Rsa1.0.01339.1	782	47813	1.00E-118	320	352	90 -	68	414	14806	15145
UN47917	Rsa1.0.00571.1	693	329018	1.00E-162	305	310	98 +	3	312	158790	159099
UN47918	Rsa1.0.00425.1	1496	147080	0	745	757	98 -	488	1241	2361	3114
UN47919	Rsa1.0.00223.1	1131	106231	0	929	984	94 +	1	970	41604	42574
UN47920	Rsa1.0.00053.1	1019	263459	0	543	560	96 +	3	556	144739	145298
UN47921	Rsa1.0.01921.1	940	168088	0	612	639	95 +	1	630	152202	152838
UN47922	Rsa1.0.00275.1	1028	210104	1.00E-107	207	210	98 -	702	911	164586	164795
UN47923	Rsa1.0.00103.1	664	135304	0	640	661	96 -	3	662	116241	116899
UN47924	Rsa1.0.02513.1	1008	30643	0	534	558	95 -	3	549	29577	30134
UN47925	Rsa1.0.02430.1	840	31506	1.00E-172	400	431	92 -	177	607	13146	13576
UN47926	Rsa1.0.00025.1	1030	277312	0	394	408	96 -	606	1013	46962	47362
UN47927	Rsa1.0.01701.1	915	162121	9.00E-94	187	191	97 -	134	324	26072	26262
UN47928	Rsa1.0.01119.1	932	53459	1.00E-151	329	344	95 -	3	345	23849	24186
UN47929	Rsa1.0.00664.1	624	69573	4.00E-92	204	214	95 -	3	216	26645	26855

UN47930	Rsa1.0_00192.1	423	278200	1.00E-165	403	444	90 +	2	421	19492	19935
UN47931	Rsa1.0_15455.1	893	2595	0	874	895	97 +	2	893	1550	2441
UN47932	Rsa1.0_05418.1	1182	13816	1.00E-109	201	201	100 -	1	201	5567	5767
UN47933	Rsa1.0_00008.1	652	358124	1.00E-158	331	345	95 -	308	652	194937	195277
UN47934	Rsa1.0_00693.1	843	161311	0	433	459	94 -	5	452	64456	64914
UN47935	Rsa1.0_02678.1	695	135053	1.00E-152	332	352	94 -	337	688	129625	129976
UN47936	Rsa1.0_03325.1	466	23720	1.00E-106	243	257	94 -	213	465	20035	20290
UN47937	Rsa1.0_00241.1	1028	104000	0	341	341	100 +	1	341	65476	65816
UN47938	Rsa1.0_01702.1	1007	40722	0	459	473	97 -	2	474	18252	18724
UN47939	Rsa1.0_00008.1	813	358124	1.00E-178	370	387	95 +	2	380	86911	87297
UN47940	Rsa1.0_02716.1	803	28465	2.00E-69	200	220	90 +	535	751	1935	2153
UN47941	Rsa1.0_05496.1	1305	13533	1.00E-152	341	361	94 +	944	1303	13075	13423
UN47942	Rsa1.0_02252.1	624	33375	0	432	444	97 -	89	532	27556	27999
UN47943	Rsa1.0_18598.1	705	1567	0	437	462	94 +	44	505	258	719
UN47944	Rsa1.0_02648.1	1128	29073	0	405	408	99 -	2	408	20665	21072
UN47945	Rsa1.0_00245.1	934	103569	1.00E-89	177	180	98 +	15	194	13643	13822
UN47946	Rsa1.0_00196.1	898	109960	1.00E-101	289	316	91 -	1	312	72827	73132
UN47947	Rsa1.0_00205.1	761	193401	1.00E-126	295	308	95 -	457	761	14413	14714
UN47948	Rsa1.0_01081.1	927	499226	1.00E-133	285	298	95 -	631	927	323179	323476
UN47949	Rsa1.0_03075.1	935	25560	1.00E-120	295	320	92 -	335	654	14646	14965
UN47950	Rsa1.0_02212.1	892	33840	1.00E-117	226	230	98 +	415	644	18942	19171
UN47951	Rsa1.0_02826.1	1027	27560	1.00E-179	322	323	99 -	704	1026	14753	15075
UN47952	Rsa1.0_02663.1	769	169243	0	599	618	96 -	3	618	7793	8407
UN47953	Rsa1.0_01000.1	554	57140	4.00E-73	189	203	93 -	210	411	4269	4459
UN47954	Rsa1.0_06278.1	793	11333	0	369	375	98 -	9	383	9370	9743
UN47955	Rsa1.0_07536.1	1254	9178	0	422	444	95 -	4	439	7818	8260
UN47956	Rsa1.0_00594.1	1068	73729	0	838	839	99 +	3	841	4135	4973
UN47957	Rsa1.0_01536.1	470	43747	0	444	470	94 +	3	470	25749	26208
UN47958	Rsa1.0_00107.1	801	431659	0	541	546	99 -	252	794	14742	15287
UN47959	Rsa1.0_00417.1	996	395068	0	802	848	94 -	141	988	386809	387638
UN47960	Rsa1.0_00416.1	1048	86772	2.33E-156	273	275	99 -	139	412	77585	77859
UN47961	Rsa1.0_00134.1	933	390219	1.00E-161	326	336	97 -	3	337	157266	157600
UN47962	Rsa1.0_00433.1	775	85381	8.00E-97	256	275	93 -	479	748	65209	65477
UN47963	Rsa1.0_00657.1	1408	69858	0	410	410	100 +	680	1089	4196	4605
UN47964	Rsa1.0_01295.1	870	49040	1.00E-171	395	421	93 +	457	869	21320	21740
UN47965	Rsa1.0_00894.1	1033	269700	1.00E-90	212	225	94 +	809	1033	117852	118074
UN47966	Rsa1.0_03969.1	463	19797	1.00E-173	326	332	98 -	132	463	16665	16996
UN47967	Rsa1.0_00512.1	965	200277	1.00E-120	238	244	97 +	324	567	63228	63471
UN47968	Rsa1.0_00184.1	1199	218748	0	617	629	98 -	572	1199	210828	211456

UN47969	Rsa1.0.00576.1	929	178949	0	810	823	98 -	87	905	163152	163974
UN47970	Rsa1.0.00318.1	729	96094	0	438	447	97 -	213	658	20836	21282
UN47971	Rsa1.0.38099.1	972	591	0	552	579	95 -	50	626	15	591
UN47972	Rsa1.0.00093.1	1290	214962	1.00E-130	236	236	100 -	1055	1290	97739	97974
UN47973	Rsa1.0.02981.1	671	26285	1.00E-55	114	115	99 +	185	299	4759	4873
UN47974	Rsa1.0.00078.1	891	175053	0	400	418	95 +	481	891	137160	137577
UN47975	Rsa1.0.00032.1	1486	306326	0	1275	1276	99 +	1	1276	192395	193670
UN47976	Rsa1.0.01759.1	987	39745	0	331	332	99 -	656	987	10523	10854
UN47977	Rsa1.0.00059.1	755	159650	5.00E-98	214	227	94 -	6	232	133120	133334
UN47978	Rsa1.0.00470.1	875	81968	9.00E-94	206	215	95 -	259	473	31385	31598
UN47979	Rsa1.0.00343.1	669	93570	1.00E-128	233	233	100 +	358	590	49114	49346
UN47980	Rsa1.0.00067.1	929	415055	0	927	927	100 -	3	929	34842	35768
UN47981	Rsa1.0.00387.1	1290	495407	1.00E-132	279	292	95 -	999	1290	389839	390130
UN47982	Rsa1.0.01690.1	727	40939	0	718	727	98 +	8	727	5845	6571
UN47983	Rsa1.0.03462.1	1021	22725	1.00E-130	253	258	98 -	8	265	15190	15444
UN47984	Rsa1.0.01329.1	1396	47982	1.00E-160	289	290	99 +	195	484	23143	23432
UN47985	Rsa1.0.01328.1	692	48021	1.00E-148	317	332	95 +	360	690	12124	12452
UN47986	Rsa1.0.01112.1	744	310601	1.00E-135	267	274	97 +	169	439	45140	45413
UN47987	Rsa1.0.01876.1	842	37800	0	804	838	95 +	3	840	20244	21081
UN47988	Rsa1.0.00114.1	856	131330	0	346	346	100 +	1	346	84257	84602
UN47989	Rsa1.0.00027.1	803	283362	1.00E-120	255	267	95 +	16	282	135324	135590
UN47990	Rsa1.0.01412.1	1134	46311	1.00E-166	305	308	99 -	717	1024	45571	45878
UN47991	Rsa1.0.00135.1	887	178077	0	881	886	99 -	2	887	169212	170096
UN47992	Rsa1.0.00549.1	727	76473	1.00E-180	341	347	98 -	382	727	26146	26492
UN47993	Rsa1.0.01549.1	822	43543	0	785	813	96 +	11	822	375	1178
UN47994	Rsa1.0.02480.1	1179	31036	0	451	454	99 -	310	763	12060	12513
UN47995	Rsa1.0.02144.1	662	34630	1.00E-150	303	313	96 -	1	312	9429	9741
UN47996	Rsa1.0.01600.1	808	42537	1.00E-106	232	244	95 +	4	247	24298	24541
UN47997	Rsa1.0.02479.1	404	31038	1.00E-122	222	222	100 +	35	256	15623	15844
UN47998	Rsa1.0.04808.1	900	15893	0	688	712	96 +	199	898	11631	12342
UN47999	Rsa1.0.00167.1	814	116000	1.00E-114	234	242	96 -	260	501	14023	14264
UN48000	Rsa1.0.07110.1	621	9880	1.00E-109	235	246	95 +	1	246	9150	9391
UN48001	Rsa1.0.00036.1	1121	176186	0	365	369	98 +	321	689	102434	102802
UN48002	Rsa1.0.01668.1	951	41299	1.00E-106	265	288	92 -	114	401	40402	40689
UN48003	Rsa1.0.03270.1	756	24193	2.00E-94	176	176	100 -	1	176	8845	9020
UN48004	Rsa1.0.01033.1	940	56173	0	574	590	97 -	354	940	48501	49090
UN48005	Rsa1.0.03216.1	780	24540	5.00E-58	118	119	99 -	499	617	12558	12676
UN48006	Rsa1.0.05494.1	771	13547	1.00E-159	304	308	98 -	457	761	7795	8102
UN48007	Rsa1.0.00041.1	603	186197	0	436	452	96 +	18	469	54322	54773

UN48008	Rsa1.0_00340.1	818	305782	1.00E-173	407	448	90 -	1	434	190468	190890
UN48009	Rsa1.0_03005.1	656	26082	1.00E-111	213	216	98 -	277	492	23970	24185
UN48010	Rsa1.0_00198.1	1005	222963	0	911	951	95 +	2	948	138007	138949
UN48011	Rsa1.0_00093.1	822	214962	9.00E-63	135	139	97 -	521	659	99063	99201
UN48012	Rsa1.0_04220.1	850	18421	0	478	518	92 -	323	837	9484	9982
UN48013	Rsa1.0_01023.1	733	56571	0	710	741	95 -	5	731	49588	50322
UN48014	Rsa1.0_05106.1	1003	14828	0	997	1002	99 -	1	1001	9177	10178
UN48015	Rsa1.0_08916.1	574	6792	0	557	581	95 +	1	573	5879	6454
UN48016	Rsa1.0_57433.1	1302	398	1.00E-168	315	320	98 -	283	602	68	387
UN48017	Rsa1.0_00865.1	1315	61686	0	435	454	95 -	25	477	2371	2824
UN48018	Rsa1.0_05411.1	815	13838	0	529	544	97 -	272	815	7555	8097
UN48019	Rsa1.0_04271.1	986	18148	0	561	580	96 -	408	986	12446	13021
UN48020	Rsa1.0_15602.1	1269	2523	0	672	678	99 +	595	1267	1648	2325
UN48021	Rsa1.0_00124.1	1242	262503	0	1107	1184	93 +	23	1182	59992	61173
UN48022	Rsa1.0_00556.1	1001	207212	0	422	439	96 +	566	999	155358	155796
UN48023	Rsa1.0_00358.1	996	91293	0	398	401	99 +	596	996	1111	1511
UN48024	Rsa1.0_07453.1	751	9368	0	490	501	97 -	6	506	2198	2696
UN48025	Rsa1.0_00685.1	570	68515	0	508	529	96 -	2	526	64083	64604
UN48026	Rsa1.0_00679.1	997	68971	0	942	980	96 -	18	997	611	1584
UN48027	Rsa1.0_01355.1	822	47303	1.00E-150	269	269	100 -	552	820	34841	35109
UN48028	Rsa1.0_00093.1	1255	214962	0	436	461	94 -	779	1232	95868	96328
UN48029	Rsa1.0_00792.1	393	64163	0	388	394	98 +	2	393	27199	27592
UN48030	Rsa1.0_00086.1	1088	439854	0	446	453	98 +	636	1088	234282	234734
UN48031	Rsa1.0_00797.1	905	63959	0	518	562	92 -	364	905	51738	52289
UN48032	Rsa1.0_02493.1	1131	30854	0	347	349	99 -	781	1127	28292	28640
UN48033	Rsa1.0_00277.1	761	100132	1.00E-103	245	262	93 +	16	274	48137	48395
UN48034	Rsa1.0_03615.1	771	21766	1.00E-140	256	257	99 +	515	771	6065	6321
UN48035	Rsa1.0_00648.1	727	70351	1.00E-162	314	321	97 +	1	321	21674	21992
UN48036	Rsa1.0_03536.1	1114	22232	0	702	728	96 +	387	1114	7055	7781
UN48037	Rsa1.0_00176.1	809	240984	1.00E-133	265	273	97 +	66	338	184052	184324
UN48038	Rsa1.0_01638.1	543	41857	1.00E-130	314	336	93 -	2	333	36877	37208
UN48039	Rsa1.0_09160.1	833	6599	1.00E-160	304	309	98 +	437	742	1109	1417
UN48040	Rsa1.0_08203.1	970	7742	1.00E-144	306	318	96 -	653	966	5061	5378
UN48041	Rsa1.0_00796.1	499	63997	1.00E-125	269	283	95 +	214	496	36559	36841
UN48042	Rsa1.0_00454.1	615	216970	0	413	432	95 +	5	435	184166	184595
UN48043	Rsa1.0_03692.1	523	21338	1.00E-106	234	245	95 -	278	522	6388	6627
UN48044	Rsa1.0_04474.1	668	17191	6.00E-88	165	165	100 -	501	665	15347	15511
UN48045	Rsa1.0_73802.1	851	310	1.00E-162	298	301	99 +	551	851	5	305
UN48046	Rsa1.0_02893.1	509	26999	1.00E-119	252	261	96 -	250	508	24354	24614

UN48047	Rsa1.0.00305.1	828	97308	1.00E-109	283	309	91 -	1	308	80767	81060
UN48048	Rsa1.0.00420.1	797	86496	1.00E-108	281	305	92 -	8	299	45120	45421
UN48049	Rsa1.0.00237.1	878	235974	1.00E-154	358	385	92 +	510	877	225556	225937
UN48050	Rsa1.0.00110.1	840	132719	0	813	852	95 -	3	839	60668	61519
UN48051	Rsa1.0.00548.1	796	76518	1.00E-154	292	297	98 -	101	397	65914	66210
UN48052	Rsa1.0.04103.1	732	19048	1.00E-166	306	308	99 +	425	731	11473	11780
UN48053	Rsa1.0.00114.1	1040	131330	0	371	374	99 -	3	376	86061	86434
UN48054	Rsa1.0.04193.1	933	18571	0	323	323	100 +	609	931	5730	6052
UN48055	Rsa1.0.00838.1	1125	153820	1.00E-132	257	262	98 +	371	632	34535	34794
UN48056	Rsa1.0.00380.1	759	89748	1.00E-141	333	361	92 -	399	759	38700	39039
UN48057	Rsa1.0.01275.1	714	49405	1.00E-168	317	323	98 -	373	695	8096	8418
UN48058	Rsa1.0.00164.1	743	116642	0	617	635	97 +	111	743	47430	48061
UN48059	Rsa1.0.08424.1	876	7375	0	506	525	96 -	352	876	4010	4533
UN48060	Rsa1.0.00145.1	1133	261008	5.00E-62	131	134	97 -	182	315	95121	95254
UN48061	Rsa1.0.02730.1	621	28385	0	423	447	94 -	175	621	2448	2880
UN48062	Rsa1.0.00139.1	720	357786	0	347	350	99 -	164	513	128608	128957
UN48063	Rsa1.0.09339.1	700	6444	0	456	456	100 -	1	456	4672	5127
UN48064	Rsa1.0.00196.1	841	109960	1.00E-101	234	246	95 +	573	817	72827	73068
UN48065	Rsa1.0.00234.1	648	197060	0	599	609	98 -	2	610	43436	44044
UN48066	Rsa1.0.02012.1	1088	36084	0	419	426	98 -	3	428	14711	15136
UN48067	Rsa1.0.00002.1	877	601661	1.00E-131	253	258	98 +	619	876	150569	150826
UN48068	Rsa1.0.05822.1	464	12521	1.00E-176	342	352	97 +	78	429	7677	8028
UN48069	Rsa1.0.00009.1	653	232558	0	462	469	98 -	3	468	98138	98606
UN48070	Rsa1.0.02925.1	981	26720	1.00E-159	285	285	100 -	459	743	21062	21346
UN48071	Rsa1.0.08401.1	334	7418	1.00E-155	277	277	100 -	58	334	293	569
UN48072	Rsa1.0.07444.1	534	9386	1.00E-129	260	265	98 -	271	533	184	446
UN48073	Rsa1.0.02268.1	974	33172	0	586	606	96 -	1	601	17971	18575
UN48074	Rsa1.0.10771.1	855	5723	1.00E-179	318	318	100 -	1	318	1882	2199
UN48075	Rsa1.0.22522.1	1404	1114	0	996	1013	98 -	313	1323	102	1114
UN48076	Rsa1.0.04381.1	875	17639	1.00E-168	419	465	90 -	421	875	12852	13293
UN48077	Rsa1.0.00570.1	735	75002	0	692	737	93 +	4	731	20357	21073
UN48078	Rsa1.0.04073.1	646	19238	1.00E-172	360	378	95 -	9	386	16757	17134
UN48079	Rsa1.0.01727.1	930	40243	0	380	384	98 +	10	393	11133	11516
UN48080	Rsa1.0.00711.1	815	67223	1.00E-153	291	296	98 -	517	812	6629	6921
UN48081	Rsa1.0.00179.1	895	393324	0	325	325	100 +	3	327	247407	247731
UN48082	Rsa1.0.00737.1	1043	66432	1.00E-144	307	318	96 -	720	1032	14256	14573
UN48083	Rsa1.0.01448.1	731	45645	0	494	498	99 -	235	731	20981	21478
UN48084	Rsa1.0.01453.1	717	45449	1.00E-132	268	277	96 -	411	684	11450	11726
UN48085	Rsa1.0.10407.1	1213	5858	0	496	535	92 +	680	1213	546	1068

UN48086	Rsa1.0.00145.1	410	261008	1.00E-118	216	216	100 +	194	409	242934	243149
UN48087	Rsa1.0.00343.1	832	93570	0	430	437	98 +	398	832	49115	49551
UN48088	Rsa1.0.01116.1	1192	142088	0	1108	1174	94 -	11	1173	129858	131020
UN48089	Rsa1.0.05827.1	713	12503	0	638	643	99 +	71	713	6485	7127
UN48090	Rsa1.0.00867.1	1103	61635	1.00E-102	204	209	97 +	279	487	36502	36710
UN48091	Rsa1.0.00119.1	862	467509	1.00E-92	275	306	89 -	285	578	247326	247627
UN48092	Rsa1.0.00543.1	806	76788	5.00E-86	180	186	96 +	287	472	41633	41818
UN48093	Rsa1.0.01335.1	983	47894	1.00E-141	269	274	98 -	366	639	18969	19242
UN48094	Rsa1.0.00748.1	753	65983	1.00E-179	397	418	94 +	334	751	34880	35288
UN48095	Rsa1.0.02378.1	1014	31991	0	614	637	96 +	378	1013	13448	14083
UN48096	Rsa1.0.02698.1	759	28593	1.00E-107	216	222	97 +	81	302	9033	9254
UN48097	Rsa1.0.00019.1	912	301669	0	570	595	95 +	319	912	59571	60149
UN48098	Rsa1.0.03325.1	516	23720	1.00E-168	308	311	99 -	206	516	19980	20290
UN48099	Rsa1.0.00262.1	691	101906	0	422	442	95 +	2	439	94718	95156
UN48100	Rsa1.0.02398.1	1144	31766	0	891	953	93 +	117	1066	16780	17726
UN48101	Rsa1.0.00017.1	727	752458	0	660	710	92 -	1	704	352440	353128
UN48102	Rsa1.0.03981.1	489	19724	1.00E-147	352	376	93 -	1	373	17481	17849
UN48103	Rsa1.0.00326.1	797	171955	6.00E-70	135	135	100 +	112	246	68750	68884
UN48104	Rsa1.0.01166.1	671	51877	1.00E-104	202	204	99 +	1	203	38829	39032
UN48105	Rsa1.0.00204.1	856	109056	0	821	860	95 -	1	856	65430	66289
UN48106	Rsa1.0.00622.1	843	71822	0	772	841	91 -	5	843	52706	53540
UN48107	Rsa1.0.01860.1	799	38057	1.00E-64	126	126	100 -	552	677	23863	23988
UN48108	Rsa1.0.00127.1	1000	127446	0	401	425	94 -	61	484	21412	21827
UN48109	Rsa1.0.01735.1	1429	40128	0	681	693	98 -	43	734	26502	27193
UN48110	Rsa1.0.01845.1	1223	38415	2.00E-67	140	143	97 -	359	501	7415	7557
UN48111	Rsa1.0.07577.1	730	9092	0	556	559	99 -	1	559	7519	8076
UN48112	Rsa1.0.00360.1	833	91190	0	528	537	98 -	260	796	75819	76354
UN48113	Rsa1.0.02358.1	864	32213	0	460	475	96 -	390	864	242	712
UN48114	Rsa1.0.02560.1	860	30091	1.00E-178	346	356	97 -	2	357	2023	2378
UN48115	Rsa1.0.00407.1	653	191544	1.00E-103	203	207	98 -	365	571	9058	9264
UN48116	Rsa1.0.00938.1	752	193891	0	414	425	97 +	143	565	50748	51172
UN48117	Rsa1.0.00476.1	646	280966	1.00E-157	314	324	96 +	21	344	31715	32036
UN48118	Rsa1.0.01724.1	915	40292	4.00E-99	202	208	97 +	352	559	10412	10619
UN48119	Rsa1.0.05653.1	889	13043	0	828	880	94 +	17	888	11416	12282
UN48120	Rsa1.0.00496.1	676	79834	0	396	416	95 +	3	412	62036	62451
UN48121	Rsa1.0.00020.1	906	283099	0	475	480	98 -	1	480	54266	54745
UN48122	Rsa1.0.00483.1	1221	81102	2.00E-83	254	284	89 -	941	1221	32616	32898
UN48123	Rsa1.0.01137.1	555	52655	1.00E-118	228	232	98 -	184	415	51348	51579
UN48124	Rsa1.0.00296.1	1064	97854	1.00E-157	365	392	93 -	680	1062	51437	51825

UN48125	Rsa1.0.05595.1	851	13228	0	373	380	98 +	1	380	3219	3596
UN48126	Rsa1.0.00163.1	1011	116847	1.00E-151	332	347	95 -	666	1011	25869	26212
UN48127	Rsa1.0.00273.1	896	326186	0	447	484	92 +	44	525	26599	27078
UN48128	Rsa1.0.14974.1	757	2919	1.00E-168	368	393	93 -	125	505	2513	2905
UN48129	Rsa1.0.00083.1	1005	442773	0	558	631	88 -	140	761	319656	320280
UN48130	Rsa1.0.00193.1	911	194198	0	909	911	99 -	2	911	184828	185738
UN48131	Rsa1.0.00433.1	765	85381	1.00E-175	390	412	94 -	1	410	19788	20194
UN48132	Rsa1.0.03506.1	1183	22416	0	525	555	94 -	1	545	8413	8964
UN48133	Rsa1.0.15552.1	826	2546	1.00E-71	141	142	99 +	94	235	2405	2546
UN48134	Rsa1.0.00250.1	746	273771	1.00E-129	279	290	96 -	14	302	186945	187231
UN48135	Rsa1.0.03475.1	683	22653	7.00E-60	130	134	97 -	3	136	22098	22231
UN48136	Rsa1.0.02717.1	822	28458	1.00E-119	233	238	97 +	398	635	23912	24149
UN48137	Rsa1.0.02934.1	974	26627	0	608	656	92 -	31	682	23640	24283
UN48138	Rsa1.0.00407.1	960	191544	0	718	783	91 +	1	757	155586	156357
UN48139	Rsa1.0.07849.1	815	8425	1.00E-137	263	267	98 +	3	267	5614	5880
UN48140	Rsa1.0.08776.1	637	6932	4.00E-92	172	172	100 -	308	479	2190	2361
UN48141	Rsa1.0.00586.1	838	163802	0	410	415	98 -	422	836	108211	108625
UN48142	Rsa1.0.00265.1	1167	220635	0	461	495	93 +	2	488	171372	171865
UN48143	Rsa1.0.00699.1	322	184398	6.00E-40	184	215	85 +	26	237	127042	127256
UN48144	Rsa1.0.14734.1	719	3116	0	487	510	95 -	78	587	139	642
UN48145	Rsa1.0.01248.1	534	154103	0	494	538	91 -	3	534	30816	31337
UN48146	Rsa1.0.01166.1	1213	51877	1.00E-150	289	294	98 -	837	1130	38913	39205
UN48147	Rsa1.0.03750.1	870	21027	5.00E-80	214	231	92 +	3	230	6318	6547
UN48148	Rsa1.0.00425.1	757	147080	0	589	595	98 +	12	606	113901	114494
UN48149	Rsa1.0.00122.1	594	265937	0	558	597	93 -	2	585	224738	225329
UN48150	Rsa1.0.00069.1	736	403561	5.00E-98	245	264	92 -	53	309	200655	200916
UN48151	Rsa1.0.01508.1	918	44334	3.00E-13	109	132	82 -	222	353	39209	39340
UN48152	Rsa1.0.19257.1	714	1455	1.00E-165	368	394	93 +	319	712	108	487
UN48153	Rsa1.0.00105.1	868	134138	0	412	433	95 -	1	427	91785	92211
UN48154	Rsa1.0.00486.1	842	80875	0	488	505	96 +	2	506	32522	33022
UN48155	Rsa1.0.00780.1	847	147795	0	493	518	95 +	330	847	25606	26111
UN48156	Rsa1.0.04785.1	632	15993	1.00E-156	309	319	96 +	313	631	7584	7902
UN48157	Rsa1.0.00332.1	372	94575	8.00E-86	173	177	97 -	2	178	55359	55535
UN48158	Rsa1.0.00017.1	160	752458	2.00E-66	153	159	96 -	1	159	314501	314656
UN48159	Rsa1.0.01696.1	1111	301850	0	727	737	98 +	375	1111	273492	274228
UN48160	Rsa1.0.00040.1	471	324196	0	409	425	96 +	1	423	62073	62495
UN48161	Rsa1.0.05526.1	907	13431	0	634	664	95 +	239	902	5046	5706
UN48162	Rsa1.0.05559.1	759	13329	8.00E-60	187	210	89 -	268	477	8473	8682
UN48163	Rsa1.0.00377.1	724	90038	0	669	677	98 -	7	683	33903	34576

UN48164	Rsa1.0.00182.1	1118	142305	0	1075	1121	95 +	1	1118	66837	67950
UN48165	Rsa1.0.00067.1	878	415055	0	871	909	95 +	1	878	415	1323
UN48166	Rsa1.0.00679.1	342	68971	8.00E-89	214	230	93 -	58	287	34534	34763
UN48167	Rsa1.0.00873.1	724	61459	1.00E-149	270	271	99 +	303	573	60323	60593
UN48168	Rsa1.0.01459.1	556	45277	4.00E-73	203	224	90 +	1	224	43046	43259
UN48169	Rsa1.0.05819.1	1247	12543	1.00E-179	324	326	99 -	922	1247	11043	11368
UN48170	Rsa1.0.00398.1	682	88007	0	650	682	95 +	1	681	70691	71367
UN48171	Rsa1.0.00751.1	805	65759	8.00E-94	181	183	98 +	324	506	43104	43286
UN48172	Rsa1.0.03672.1	1040	21452	1.00E-158	481	542	88 +	49	589	13327	13859
UN48173	Rsa1.0.00313.1	821	96745	0	348	353	98 -	310	660	79236	79588
UN48174	Rsa1.0.08727.1	825	6996	0	503	515	97 +	313	823	1205	1715
UN48175	Rsa1.0.02008.1	744	36109	0	639	649	98 -	96	744	19661	20309
UN48176	Rsa1.0.02365.1	463	32118	6.00E-78	217	236	91 +	1	230	16961	17194
UN48177	Rsa1.0.00373.1	1203	90296	0	525	537	97 +	62	598	88249	88783
UN48178	Rsa1.0.00875.1	810	61371	1.00E-171	337	347	97 +	186	530	58285	58631
UN48179	Rsa1.0.01403.1	779	46453	1.00E-180	378	394	95 -	2	393	3064	3455
UN48180	Rsa1.0.00007.1	1144	239325	0	366	371	98 +	772	1142	108872	109242
UN48181	Rsa1.0.01633.1	867	41868	1.00E-126	247	253	97 +	354	606	7450	7702
UN48182	Rsa1.0.01174.1	652	51696	0	354	362	97 +	289	650	35988	36349
UN48183	Rsa1.0.01230.1	672	50221	2.00E-69	146	150	97 +	363	512	23590	23739
UN48184	Rsa1.0.00577.1	724	174827	7.00E-94	247	267	92 +	1	265	168316	168571
UN48185	Rsa1.0.00212.1	653	108350	3.00E-71	165	172	95 +	117	285	37909	38080
UN48186	Rsa1.0.00959.1	1121	58202	1.00E-179	445	482	92 -	8	484	17162	17639
UN48187	Rsa1.0.03238.1	772	24432	1.00E-101	240	255	94 +	1	253	12793	13047
UN48188	Rsa1.0.03869.1	1011	20365	1.00E-156	290	292	99 -	508	799	216	506
UN48189	Rsa1.0.00010.1	858	294827	1.00E-103	206	211	97 +	191	401	247813	248023
UN48190	Rsa1.0.00116.1	724	365886	3.00E-84	201	211	95 +	11	219	53090	53299
UN48191	Rsa1.0.02814.1	486	27656	0	480	486	98 +	1	484	25868	26353
UN48192	Rsa1.0.02855.1	941	27271	0	794	848	93 -	28	845	10359	11204
UN48193	Rsa1.0.08151.1	842	7830	0	831	846	98 -	1	842	2000	2845
UN48194	Rsa1.0.02245.1	720	33478	1.00E-157	388	418	92 +	2	417	6315	6725
UN48195	Rsa1.0.00016.1	610	831256	0	541	593	91 -	18	608	766949	767528
UN48196	Rsa1.0.00473.1	889	212204	0	496	516	96 -	2	517	15771	16278
UN48197	Rsa1.0.00048.1	727	167185	0	359	370	97 -	359	725	12809	13178
UN48198	Rsa1.0.00012.1	1168	222148	0	755	848	89 -	217	1039	110283	111109
UN48199	Rsa1.0.00321.1	815	95671	0	368	380	96 +	4	380	26962	27341
UN48200	Rsa1.0.23144.1	579	1068	1.00E-135	298	314	94 -	154	466	758	1068
UN48201	Rsa1.0.00801.1	1105	63861	1.00E-145	318	339	93 +	764	1102	24598	24924
UN48202	Rsa1.0.03856.1	517	20429	8.00E-93	192	198	96 +	322	515	19889	20086

UN48203	Rsa1.0.00417.1	933	395068	1.00E-129	254	260	97 +	1	257	228519	228778
UN48204	Rsa1.0.00662.1	1045	192183	0	650	692	93 -	1	674	1924	2615
UN48205	Rsa1.0.16051.1	822	2305	1.00E-176	396	421	94 +	1	415	1887	2305
UN48206	Rsa1.0.01942.1	857	37048	0	520	546	95 -	12	556	3757	4294
UN48207	Rsa1.0.02085.1	820	35198	3.00E-96	237	257	92 +	205	458	30157	30404
UN48208	Rsa1.0.00497.1	835	79830	0	489	503	97 +	283	785	62413	62915
UN48209	Rsa1.0.01536.1	989	43747	0	808	862	93 +	117	970	18915	19767
UN48210	Rsa1.0.00179.1	846	393324	1.00E-110	230	238	96 +	8	244	188735	188972
UN48211	Rsa1.0.01492.1	863	44704	7.00E-73	152	156	97 -	437	592	34696	34851
UN48212	Rsa1.0.04223.1	621	18407	1.00E-113	356	401	88 -	2	383	6198	6595
UN48213	Rsa1.0.31506.1	1223	725	0	691	741	93 -	126	848	1	725
UN48214	Rsa1.0.00190.1	695	318240	1.00E-110	297	326	91 +	63	379	91484	91801
UN48215	Rsa1.0.02276.1	436	33098	0	423	436	97 +	1	435	23003	23438
UN48216	Rsa1.0.00108.1	818	478491	0	648	683	94 -	40	718	143491	144172
UN48217	Rsa1.0.00254.1	750	102600	0	493	497	99 -	1	497	12642	13138
UN48218	Rsa1.0.00707.1	670	190112	1.00E-73	152	155	98 +	453	604	16479	16633
UN48219	Rsa1.0.01521.1	811	142147	1.00E-141	260	262	99 -	298	559	7693	7954
UN48220	Rsa1.0.00202.1	711	185895	0	692	713	97 +	3	708	82897	83608
UN48221	Rsa1.0.01514.1	843	44222	0	346	347	99 -	3	349	27674	28020
UN48222	Rsa1.0.05894.1	960	12306	0	956	958	99 +	3	960	8330	9287
UN48223	Rsa1.0.01331.1	572	47944	0	566	568	99 -	4	571	17110	17677
UN48224	Rsa1.0.03072.1	901	25577	0	592	594	99 +	1	594	15272	15865
UN48225	Rsa1.0.01666.1	739	173972	1.00E-111	213	216	98 +	279	494	23960	24175
UN48226	Rsa1.0.01651.1	768	41586	1.00E-119	247	257	96 +	3	259	34468	34724
UN48227	Rsa1.0.21948.1	1212	1161	1.00E-121	246	253	97 +	9	261	779	1030
UN48228	Rsa1.0.01702.1	995	40722	0	956	989	96 +	16	991	17655	18640
UN48229	Rsa1.0.02452.1	956	31280	2.00E-92	185	189	97 +	595	783	2695	2883
UN48230	Rsa1.0.00163.1	882	116847	1.00E-125	245	251	97 +	382	632	11140	11390
UN48231	Rsa1.0.01100.1	748	54113	1.00E-160	329	343	95 -	10	348	11952	12294
UN48232	Rsa1.0.00457.1	706	337301	0	549	581	94 +	10	587	334157	334731
UN48233	Rsa1.0.00120.1	736	277288	3.00E-59	126	129	97 +	4	132	16747	16875
UN48234	Rsa1.0.00335.1	432	94371	1.00E-150	331	348	95 +	82	428	50290	50634
UN48235	Rsa1.0.03070.1	692	25578	0	539	593	90 +	72	652	13284	13866
UN48236	Rsa1.0.02769.1	820	28107	0	435	440	98 +	383	820	9897	10336
UN48237	Rsa1.0.00270.1	478	101236	0	407	415	98 -	65	478	25052	25465
UN48238	Rsa1.0.01719.1	629	40388	1.00E-120	231	235	98 +	395	629	30549	30783
UN48239	Rsa1.0.00181.1	683	114269	0	583	611	95 -	82	683	77849	78450
UN48240	Rsa1.0.00196.1	880	109960	0	477	508	93 -	379	880	18515	19020
UN48241	Rsa1.0.01111.1	679	53669	1.00E-148	344	366	93 -	318	678	31368	31730

UN48242	Rsa1.0.09224.1	563	6545	0	462	465	99 +	4	468	663	1127
UN48243	Rsa1.0.00042.1	847	171507	1.00E-169	301	301	100 -	547	847	158233	158533
UN48244	Rsa1.0.02655.1	973	29027	1.00E-172	309	310	99 +	1	310	10113	10422
UN48245	Rsa1.0.00199.1	613	249604	0	429	434	98 +	1	434	31916	32349
UN48246	Rsa1.0.03890.1	849	20223	0	430	435	98 +	1	435	3422	3856
UN48247	Rsa1.0.02518.1	493	30586	3.00E-61	123	124	99 +	251	374	25939	26062
UN48248	Rsa1.0.16984.1	1084	1963	0	732	813	90 +	266	1076	1077	1886
UN48249	Rsa1.0.01600.1	902	42537	0	512	536	95 -	366	891	24302	24835
UN48250	Rsa1.0.02379.1	582	150705	0	381	385	98 +	198	582	147073	147456
UN48251	Rsa1.0.05522.1	515	13441	4.00E-76	168	175	96 +	2	176	8265	8436
UN48252	Rsa1.0.02658.1	778	28978	0	360	362	99 -	417	778	5462	5823
UN48253	Rsa1.0.01281.1	749	49313	0	675	713	94 +	3	715	26768	27469
UN48254	Rsa1.0.01635.1	1049	41865	0	625	651	96 +	169	818	17057	17703
UN48255	Rsa1.0.00047.1	915	168582	0	477	481	99 +	134	614	93874	94354
UN48256	Rsa1.0.00022.1	817	200461	0	813	815	99 +	3	817	67682	68495
UN48257	Rsa1.0.00199.1	785	249604	0	657	657	100 -	1	657	164167	164823
UN48258	Rsa1.0.00182.1	908	142305	0	908	909	99 -	1	908	67284	68192
UN48259	Rsa1.0.00433.1	674	85381	1.00E-157	285	286	99 +	1	286	77456	77741
UN48260	Rsa1.0.00040.1	293	324196	1.00E-44	128	138	92 -	155	291	17141	17275
UN48261	Rsa1.0.06675.1	680	10561	0	534	564	94 +	1	558	9540	10101
UN48262	Rsa1.0.00350.1	791	92346	1.00E-139	257	259	99 +	67	325	79619	79877
UN48263	Rsa1.0.00079.1	739	606987	0	739	741	99 +	1	739	823	1563
UN48264	Rsa1.0.00358.1	752	91293	1.00E-132	247	248	99 +	1	247	9333	9580
UN48265	Rsa1.0.00063.1	1095	156150	1.00E-172	516	592	87 +	134	722	12232	12772
UN48266	Rsa1.0.02345.1	859	32337	0	611	612	99 +	2	613	21077	21688
UN48267	Rsa1.0.00278.1	653	231896	0	590	632	93 -	27	650	183544	184166
UN48268	Rsa1.0.00184.1	772	218748	0	441	456	96 +	4	459	211005	211456
UN48269	Rsa1.0.00070.1	839	150321	0	466	505	92 -	339	834	37003	37507
UN48270	Rsa1.0.02526.1	926	30479	0	397	398	99 +	2	398	13166	13563
UN48271	Rsa1.0.07969.1	1011	8157	1.00E-159	320	329	97 +	682	1009	5913	6235
UN48272	Rsa1.0.01335.1	965	47894	1.00E-143	271	274	98 +	321	593	18969	19242
UN48273	Rsa1.0.00161.1	721	116891	0	483	511	94 -	208	717	26093	26603
UN48274	Rsa1.0.00001.1	384	363028	1.00E-53	116	119	97 +	133	251	313972	314090
UN48275	Rsa1.0.01061.1	1005	55349	1.00E-178	322	324	99 -	2	325	21470	21793
UN48276	Rsa1.0.01963.1	797	36719	0	404	419	96 -	383	797	31887	32302
UN48277	Rsa1.0.00033.1	871	515811	0	868	870	99 -	1	870	30681	31550
UN48278	Rsa1.0.05366.1	1250	14036	0	358	362	98 +	269	630	8072	8433
UN48279	Rsa1.0.04775.1	1371	16025	0	1083	1145	94 -	192	1329	3759	4902
UN48280	Rsa1.0.15955.1	772	2341	0	375	376	99 -	3	378	1230	1605

UN48281	Rsa1.0.01983.1	870	36509	0	452	455	99 -	1	455	31893	32347
UN48282	Rsa1.0.00065.1	1035	454616	1.00E-115	238	247	96 -	514	760	241068	241314
UN48283	Rsa1.0.00470.1	663	81968	0	372	373	99 +	4	376	27997	28369
UN48284	Rsa1.0.21497.1	755	1197	0	723	739	97 +	18	754	1	739
UN48285	Rsa1.0.01118.1	852	53460	0	388	403	96 +	284	686	13141	13536
UN48286	Rsa1.0.01618.1	599	42118	1.00E-155	278	278	100 -	322	599	17310	17587
UN48287	Rsa1.0.01340.1	896	47805	1.00E-166	299	300	99 +	1	300	20620	20919
UN48288	Rsa1.0.01867.1	726	37960	1.00E-112	224	230	97 -	277	506	19834	20063
UN48289	Rsa1.0.01702.1	776	40722	0	376	389	96 -	2	390	18252	18640
UN48290	Rsa1.0.13949.1	698	4028	1.00E-132	335	364	92 +	12	371	1108	1468
UN48291	Rsa1.0.00965.1	1120	58139	1.00E-59	118	118	100 +	909	1026	9265	9382
UN48292	Rsa1.0.00033.1	539	515811	1.00E-112	296	321	92 +	221	539	476597	476914
UN48293	Rsa1.0.01228.1	444	50238	1.00E-109	247	260	95 +	159	416	733	992
UN48294	Rsa1.0.01400.1	674	46560	1.00E-162	360	382	94 -	293	674	26849	27215
UN48295	Rsa1.0.01634.1	1299	41865	0	430	459	93 -	843	1299	1107	1551
UN48296	Rsa1.0.00596.1	742	73578	3.00E-78	194	205	94 +	539	740	28856	29060
UN48297	Rsa1.0.02171.1	696	167557	1.00E-107	210	214	98 -	3	216	13935	14148
UN48298	Rsa1.0.00556.1	1137	207212	0	424	424	100 -	713	1136	137351	137774
UN48299	Rsa1.0.06362.1	1037	11154	1.00E-152	323	342	94 -	81	421	7960	8285
UN48300	Rsa1.0.02600.1	1039	29657	0	404	410	98 -	628	1037	1240	1649
UN48301	Rsa1.0.00821.1	604	62891	0	430	449	95 -	112	559	5144	5590
UN48302	Rsa1.0.50346.1	312	451	1.00E-116	230	235	97 -	3	235	1	235
UN48303	Rsa1.0.03890.1	720	20223	1.00E-179	374	389	96 +	335	720	11318	11705
UN48304	Rsa1.0.01800.1	754	39109	0	389	405	96 +	350	754	6664	7068
UN48305	Rsa1.0.00149.1	797	305196	0	490	524	93 +	264	787	104054	104564
UN48306	Rsa1.0.00220.1	1093	192936	1.00E-147	334	353	94 +	743	1093	180567	180918
UN48307	Rsa1.0.04198.1	1188	18504	0	549	587	93 -	3	570	13939	14524
UN48308	Rsa1.0.04027.1	496	19501	1.00E-119	266	277	96 -	1	275	6649	6922
UN48309	Rsa1.0.03541.1	885	22194	0	853	882	96 +	3	883	16591	17469
UN48310	Rsa1.0.00001.1	630	363028	4.00E-92	175	176	99 -	349	524	334824	334999
UN48311	Rsa1.0.01467.1	1585	45161	1.00E-131	300	317	94 -	5	321	15493	15805
UN48312	Rsa1.0.02092.1	536	35135	1.00E-144	326	344	94 +	3	342	30368	30708
UN48313	Rsa1.0.01247.1	1113	49934	0	586	596	98 -	367	962	48036	48631
UN48314	Rsa1.0.01135.1	773	52799	0	561	588	95 -	186	769	41650	42235
UN48315	Rsa1.0.01881.1	962	37721	0	787	822	95 -	140	961	7717	8531
UN48316	Rsa1.0.00786.1	898	64285	1.00E-125	261	272	95 -	269	540	49992	50263
UN48317	Rsa1.0.00453.1	860	83031	0	705	762	92 -	48	807	75551	76285
UN48318	Rsa1.0.01299.1	904	162028	2.00E-11	85	101	84 -	298	398	159430	159530
UN48319	Rsa1.0.00684.1	986	141701	0	533	547	97 +	438	984	66961	67507

UN48320	Rsa1.0.03341.1	638	23604	1.00E-143	278	285	97 +	354	638	2950	3234
UN48321	Rsa1.0.01431.1	690	167877	1.00E-172	392	419	93 -	1	407	32135	32550
UN48322	Rsa1.0.00205.1	911	193401	1.00E-114	291	310	93 +	1	307	14413	14714
UN48323	Rsa1.0.06133.1	836	11663	1.00E-103	225	231	97 +	47	274	8017	8246
UN48324	Rsa1.0.06604.1	790	10681	0	508	549	92 -	243	790	5949	6474
UN48325	Rsa1.0.00608.1	880	172672	0	753	811	92 +	21	817	3169	3956
UN48326	Rsa1.0.04033.1	828	19481	0	493	507	97 -	316	821	9206	9712
UN48327	Rsa1.0.02068.1	1268	35432	1.00E-112	232	240	96 +	275	514	7294	7530
UN48328	Rsa1.0.00473.1	891	212204	1.00E-99	221	232	95 -	3	233	73604	73829
UN48329	Rsa1.0.01021.1	1002	56610	6.00E-52	249	291	85 -	608	894	24758	25045
UN48330	Rsa1.0.00122.1	565	265937	0	527	576	91 -	3	560	224806	225374
UN48331	Rsa1.0.01414.1	216	149508	8.00E-88	203	215	94 -	1	215	143491	143703
UN48332	Rsa1.0.00026.1	815	327835	0	405	414	97 +	3	416	150290	150701
UN48333	Rsa1.0.00011.1	666	225044	0	623	662	94 +	17	664	124227	124888
UN48334	Rsa1.0.06677.1	917	10560	0	488	508	96 -	410	917	9838	10344
UN48335	Rsa1.0.13580.1	680	4711	4.00E-86	168	170	98 +	272	441	4004	4173
UN48336	Rsa1.0.01198.1	581	51029	1.00E-88	218	236	92 -	284	517	7660	7885
UN48337	Rsa1.0.00270.1	809	101236	2.00E-97	276	311	88 +	502	800	24450	24752
UN48338	Rsa1.0.07894.1	974	8347	0	399	405	98 -	569	972	5556	5959
UN48339	Rsa1.0.01855.1	500	38204	0	495	500	99 -	1	500	14844	15343
UN48340	Rsa1.0.04489.1	814	17145	2.00E-97	238	252	94 +	567	814	10022	10272
UN48341	Rsa1.0.04405.1	1177	17508	0	1100	1179	93 -	7	1177	3077	4225
UN48342	Rsa1.0.01506.1	854	44370	1.00E-144	274	279	98 -	534	812	34116	34394
UN48343	Rsa1.0.01832.1	686	38581	0	410	412	99 -	1	412	31573	31984
UN48344	Rsa1.0.04218.1	332	18423	2.00E-52	105	105	100 -	2	106	14295	14399
UN48345	Rsa1.0.00297.1	605	97836	1.00E-159	367	394	93 -	216	605	26341	26734
UN48346	Rsa1.0.01981.1	593	36537	1.00E-177	388	411	94 -	4	413	34741	35142
UN48347	Rsa1.0.00088.1	1318	141341	1.00E-142	266	269	98 -	4	272	68076	68344
UN48348	Rsa1.0.01096.1	1004	54266	1.00E-148	326	346	94 -	2	347	2669	3014
UN48349	Rsa1.0.02231.1	609	33661	1.00E-116	231	236	97 +	22	256	33350	33585
UN48350	Rsa1.0.09568.1	529	6284	9.00E-99	277	304	91 -	1	299	5564	5860
UN48351	Rsa1.0.00048.1	673	167185	1.00E-123	272	286	95 -	2	283	4502	4786
UN48352	Rsa1.0.00328.1	679	224661	1.00E-107	251	263	95 +	1	258	217151	217411
UN48353	Rsa1.0.04399.1	1106	17543	0	1007	1117	90 +	15	1105	13373	14473
UN48354	Rsa1.0.01214.1	949	50599	0	663	669	99 -	2	667	49762	50430
UN48355	Rsa1.0.00136.1	837	122464	1.00E-95	199	206	96 -	533	738	34923	35128
UN48356	Rsa1.0.00325.1	870	95371	0	473	498	94 +	1	492	59866	60350
UN48357	Rsa1.0.06740.1	721	10439	0	404	424	95 +	1	424	7374	7795
UN48358	Rsa1.0.00435.1	640	317579	0	499	499	100 -	142	640	62554	63052

UN48359	Rsa1.0.00620.1	1027	71985	0	878	917	95 -	1	916	8178	9087
UN48360	Rsa1.0.01060.1	1120	55368	2.00E-89	216	230	93 -	9	235	22830	23053
UN48361	Rsa1.0.30549.1	776	751	1.00E-124	277	295	93 +	493	774	64	358
UN48362	Rsa1.0.02430.1	852	31506	1.00E-115	214	215	99 -	1	215	12388	12602
UN48363	Rsa1.0.00805.1	1229	63724	0	433	437	99 -	793	1229	6952	7388
UN48364	Rsa1.0.01566.1	829	43134	0	561	599	93 -	87	667	34060	34652
UN48365	Rsa1.0.00123.1	975	325650	1.00E-111	252	266	94 +	275	534	216442	216704
UN48366	Rsa1.0.00812.1	580	63233	1.00E-142	277	284	97 -	296	579	14003	14286
UN48367	Rsa1.0.01523.1	824	43959	0	357	358	99 -	2	359	20541	20897
UN48368	Rsa1.0.00484.1	924	203294	1.00E-158	303	309	98 +	1	306	40132	40440
UN48369	Rsa1.0.00662.1	1024	192183	0	428	459	93 -	10	450	2200	2658
UN48370	Rsa1.0.00456.1	1317	82826	0	478	506	94 -	24	516	18300	18804
UN48371	Rsa1.0.01026.1	674	171624	0	542	569	95 +	3	564	14049	14614
UN48372	Rsa1.0.02101.1	876	35017	0	649	678	95 +	1	667	15803	16478
UN48373	Rsa1.0.03101.1	898	25410	0	370	384	96 -	97	480	7075	7458
UN48374	Rsa1.0.03759.1	822	20987	0	690	712	96 +	110	821	16068	16779
UN48375	Rsa1.0.01022.1	706	56606	1.00E-175	366	383	95 +	1	383	36902	37278
UN48376	Rsa1.0.00233.1	857	104918	1.00E-80	187	197	94 -	1	196	9694	9890
UN48377	Rsa1.0.00786.1	1033	64285	1.00E-121	260	272	95 +	473	742	49992	50263
UN48378	Rsa1.0.00387.1	1263	495407	0	531	597	88 -	113	700	377227	377818
UN48379	Rsa1.0.21295.1	1155	1218	1.00E-122	236	239	98 -	1	238	1	239
UN48380	Rsa1.0.54025.1	835	422	0	407	416	97 -	293	705	4	419
UN48381	Rsa1.0.01481.1	693	184562	1.00E-89	183	188	97 +	118	305	152050	152237
UN48382	Rsa1.0.00013.1	795	292129	0	598	622	96 +	1	622	191218	191831
UN48383	Rsa1.0.01228.1	747	50238	0	418	444	94 +	304	747	2716	3159
UN48384	Rsa1.0.02500.1	772	30768	0	455	486	93 -	1	480	7770	8244
UN48385	Rsa1.0.04819.1	793	140505	0	766	795	96 -	1	792	1617	2410
UN48386	Rsa1.0.00132.1	600	124299	0	471	492	95 -	1	492	25714	26191
UN48387	Rsa1.0.04404.1	790	17510	0	673	691	97 -	1	691	9475	10161
UN48388	Rsa1.0.04057.1	1016	19333	0	968	1017	95 +	1	1015	3252	4260
UN48389	Rsa1.0.02600.1	757	29657	0	485	515	94 -	2	506	27845	28355
UN48390	Rsa1.0.00233.1	704	104918	0	689	705	97 -	1	704	78950	79645
UN48391	Rsa1.0.01796.1	542	39154	4.00E-61	204	228	89 -	33	247	6789	7016
UN48392	Rsa1.0.00681.1	714	68779	1.00E-137	281	292	96 -	271	562	44501	44792
UN48393	Rsa1.0.00460.1	590	206387	1.00E-106	226	236	95 -	316	551	4308	4534
UN48394	Rsa1.0.03352.1	924	23506	0	851	877	97 +	49	922	4677	5547
UN48395	Rsa1.0.02670.1	1385	28887	1.00E-151	368	395	93 +	53	441	3818	4204
UN48396	Rsa1.0.04238.1	728	18352	0	415	430	96 -	3	427	8709	9135
UN48397	Rsa1.0.04552.1	805	16878	0	737	763	96 +	3	760	11048	11806

UN48398	Rsa1.0.07504.1	838	9237	1.00E-153	287	291	98 +	7	297	8004	8294
UN48399	Rsa1.0.01435.1	1081	45942	0	422	441	95 -	138	578	41024	41464
UN48400	Rsa1.0.00040.1	943	324196	0	540	567	95 +	66	628	296697	297259
UN48401	Rsa1.0.00589.1	1276	209965	0	573	615	93 +	200	804	193047	193658
UN48402	Rsa1.0.00888.1	540	60978	1.00E-169	335	344	97 +	12	353	54512	54854
UN48403	Rsa1.0.00168.1	522	115870	1.00E-119	278	295	94 -	1	284	38162	38456
UN48404	Rsa1.0.00060.1	601	502678	2.00E-69	143	146	97 -	237	382	500151	500296
UN48405	Rsa1.0.01341.1	980	47764	0	334	337	99 +	2	338	43207	43543
UN48406	Rsa1.0.06247.1	781	11395	1.00E-105	233	245	95 -	524	766	8629	8873
UN48407	Rsa1.0.00026.1	787	327835	0	577	601	96 -	1	601	1485	2085
UN48408	Rsa1.0.00009.1	726	232558	0	454	459	98 +	268	726	215525	215983
UN48409	Rsa1.0.00211.1	443	228189	0	415	421	98 +	2	422	10206	10624
UN48410	Rsa1.0.06213.1	728	11478	0	511	553	92 +	184	711	7641	8190
UN48411	Rsa1.0.02201.1	1290	33981	1.00E-118	253	265	95 -	2	266	31757	32021
UN48412	Rsa1.0.00593.1	314	143463	4.00E-78	163	168	97 +	1	168	55122	55289
UN48413	Rsa1.0.00138.1	867	247040	1.00E-159	300	305	98 +	4	308	61977	62281
UN48414	Rsa1.0.13737.1	1284	4403	1.00E-111	267	291	91 -	20	295	3954	4244
UN48415	Rsa1.0.36118.1	591	625	1.00E-137	268	275	97 -	312	586	22	296
UN48416	Rsa1.0.01958.1	680	261128	6.00E-85	190	200	95 -	1	200	134810	135004
UN48417	Rsa1.0.00045.1	589	328694	1.00E-164	336	352	95 -	87	438	225052	225394
UN48418	Rsa1.0.01292.1	648	175783	1.00E-124	236	238	99 +	1	237	147836	148073
UN48419	Rsa1.0.00715.1	789	67116	0	559	564	99 +	1	563	21273	21836
UN48420	Rsa1.0.01649.1	564	41624	1.00E-94	200	208	96 -	183	390	27386	27593
UN48421	Rsa1.0.00162.1	1085	239935	1.00E-127	392	446	87 +	175	620	64015	64443
UN48422	Rsa1.0.00552.1	756	206757	1.00E-120	290	312	92 +	14	320	70063	70374
UN48423	Rsa1.0.00101.1	837	267193	1.00E-136	275	284	96 +	1	281	120546	120829
UN48424	Rsa1.0.00124.1	1231	262503	1.00E-96	228	243	93 -	35	275	19648	19890
UN48425	Rsa1.0.02166.1	1145	34414	1.00E-180	338	344	98 +	459	802	14012	14355
UN48426	Rsa1.0.00056.1	1154	332604	0	1037	1038	99 -	116	1153	84564	85601
UN48427	Rsa1.0.05580.1	901	13274	0	473	490	96 +	5	493	6575	7055
UN48428	Rsa1.0.02378.1	848	31991	0	735	781	94 +	86	846	1382	2160
UN48429	Rsa1.0.02969.1	954	26390	1.00E-135	288	300	96 -	11	310	17574	17870
UN48430	Rsa1.0.09899.1	843	6099	0	509	514	99 -	1	512	3385	3898
UN48431	Rsa1.0.00151.1	1088	119541	0	444	459	96 +	1	459	61494	61952
UN48432	Rsa1.0.01146.1	777	163455	1.00E-95	227	242	93 +	2	243	20553	20793
UN48433	Rsa1.0.00014.1	679	348985	1.00E-174	578	672	86 -	1	656	331418	332052
UN48434	Rsa1.0.02798.1	673	27792	1.00E-145	353	378	93 +	1	378	5459	5823
UN48435	Rsa1.0.00660.1	622	69688	1.00E-101	187	187	100 +	434	620	16400	16586
UN48436	Rsa1.0.00541.1	958	76863	1.00E-101	249	267	93 +	1	264	9084	9341

UN48437	Rsa1.0.00121.1	996	278029	1.00E-157	296	301	98 +	695	995	38373	38673
UN48438	Rsa1.0.17040.1	572	1944	0	395	399	98 -	4	402	1207	1605
UN48439	Rsa1.0.00651.1	533	247766	1.00E-111	222	228	97 -	157	384	81983	82210
UN48440	Rsa1.0.00398.1	1033	88007	1.00E-173	359	372	96 -	89	453	63410	63780
UN48441	Rsa1.0.03347.1	855	23588	0	810	852	95 -	1	848	8126	8965
UN48442	Rsa1.0.00220.1	768	192936	1.00E-130	279	292	95 +	30	315	152921	153212
UN48443	Rsa1.0.00497.1	1338	79830	0	804	812	99 +	1	812	26958	27765
UN48444	Rsa1.0.00327.1	787	94892	0	678	712	95 +	71	782	75691	76402
UN48445	Rsa1.0.00011.1	793	225044	0	414	417	99 +	377	791	207085	207501
UN48446	Rsa1.0.01306.1	891	48720	1.00E-164	336	350	96 -	1	346	755	1104
UN48447	Rsa1.0.00307.1	800	199003	1.00E-125	387	434	89 +	11	436	87252	87662
UN48448	Rsa1.0.00713.1	949	158017	0	480	488	98 +	433	919	1180	1667
UN48449	Rsa1.0.01248.1	629	154103	0	627	627	100 -	3	629	30711	31337
UN48450	Rsa1.0.05631.1	794	13127	0	467	467	100 -	1	467	4309	4775
UN48451	Rsa1.0.19149.1	787	1472	1.00E-83	176	181	97 +	136	316	2	180
UN48452	Rsa1.0.01488.1	835	44766	0	626	656	95 +	1	655	32382	33028
UN48453	Rsa1.0.00001.1	867	363028	1.00E-130	323	351	92 +	515	864	93769	94108
UN48454	Rsa1.0.00243.1	964	103651	1.00E-93	178	179	99 -	11	189	12353	12531
UN48455	Rsa1.0.00451.1	711	322533	0	570	602	94 +	112	711	249848	250445
UN48456	Rsa1.0.08339.1	642	7509	0	490	514	95 -	33	542	2566	3079
UN48457	Rsa1.0.00284.1	441	323267	1.00E-177	415	444	93 +	1	441	232413	232852
UN48458	Rsa1.0.13774.1	754	4351	1.00E-120	331	368	89 -	402	751	969	1334
UN48459	Rsa1.0.04011.1	940	19575	0	891	966	92 +	2	938	4946	5901
UN48460	Rsa1.0.00425.1	909	147080	0	508	520	97 -	1	519	1391	1904
UN48461	Rsa1.0.00964.1	1004	316648	0	550	584	94 -	393	962	3915	4496
UN48462	Rsa1.0.03422.1	631	23076	1.00E-117	262	276	94 +	1	273	7545	7819
UN48463	Rsa1.0.00556.1	936	207212	1.00E-128	273	286	95 -	405	690	194148	194430
UN48464	Rsa1.0.05611.1	759	13193	0	502	542	92 +	2	540	9251	9785
UN48465	Rsa1.0.00952.1	1117	58450	0	546	561	97 -	1	561	43425	43985
UN48466	Rsa1.0.00058.1	581	159921	1.00E-101	204	208	98 -	1	207	119113	119320
UN48467	Rsa1.0.00041.1	828	186197	1.00E-135	277	288	96 -	383	670	33067	33354
UN48468	Rsa1.0.00190.1	920	318240	0	390	396	98 +	1	393	4014	4406
UN48469	Rsa1.0.00079.1	686	606987	1.00E-134	310	328	94 -	55	374	18891	19215
UN48470	Rsa1.0.02858.1	722	27246	1.00E-132	375	416	90 +	7	412	2267	2679
UN48471	Rsa1.0.00154.1	804	189461	1.00E-177	454	501	90 +	305	802	10643	11134
UN48472	Rsa1.0.00082.1	1061	237584	1.00E-167	394	420	93 +	2	411	55258	55670
UN48473	Rsa1.0.01604.1	776	42461	0	505	505	100 +	271	775	2594	3098
UN48474	Rsa1.0.00552.1	489	206757	1.00E-142	263	264	99 +	2	264	72839	73102
UN48475	Rsa1.0.03826.1	924	20614	0	497	500	99 +	423	922	4582	5081

UN48476	Rsa1.0.00198.1	882	222963	0	878	882	99 +	1	880	100510	101391
UN48477	Rsa1.0.00185.1	1231	248445	1.00E-123	254	263	96 -	1	255	10314	10576
UN48478	Rsa1.0.00033.1	852	515811	3.00E-81	188	198	94 -	1	198	43101	43297
UN48479	Rsa1.0.00979.1	911	57733	0	400	409	97 +	2	409	1000	1407
UN48480	Rsa1.0.00207.1	675	248736	0	670	674	99 -	3	675	194313	194984
UN48481	Rsa1.0.00225.1	1251	105892	0	350	351	99 +	901	1251	55265	55615
UN48482	Rsa1.0.00024.1	557	188018	1.00E-111	242	253	95 -	303	555	17567	17814
UN48483	Rsa1.0.01434.1	803	45951	1.00E-156	285	287	99 -	271	557	29290	29576
UN48484	Rsa1.0.02379.1	796	150705	1.00E-148	355	382	92 +	24	393	139667	140047
UN48485	Rsa1.0.00275.1	566	210104	6.00E-91	282	317	88 -	11	309	157269	157585
UN48486	Rsa1.0.00240.1	964	104175	1.00E-163	301	303	99 -	1	303	86112	86413
UN48487	Rsa1.0.00001.1	635	363028	1.00E-104	220	225	97 +	280	503	335254	335476
UN48488	Rsa1.0.02129.1	858	34757	0	396	402	98 -	381	782	5631	6029
UN48489	Rsa1.0.00286.1	512	98709	2.00E-56	255	300	85 -	1	279	29363	29651
UN48490	Rsa1.0.01256.1	1214	49770	0	554	554	100 +	201	754	28746	29299
UN48491	Rsa1.0.00344.1	1265	191774	0	439	441	99 +	340	778	175912	176352
UN48492	Rsa1.0.00087.1	1418	761073	0	712	712	100 -	705	1416	733531	734242
UN48493	Rsa1.0.03422.1	764	23076	1.00E-155	397	432	91 +	319	740	9861	10291
UN48494	Rsa1.0.01066.1	834	55235	4.00E-68	220	252	87 +	315	551	26155	26403
UN48495	Rsa1.0.13243.1	760	4957	0	593	607	97 -	107	713	1	606
UN48496	Rsa1.0.48665.1	613	465	7.00E-63	129	131	98 -	483	613	307	437
UN48497	Rsa1.0.04161.1	638	18788	2.00E-60	155	163	95 +	409	570	2612	2772
UN48498	Rsa1.0.00181.1	772	114269	0	381	391	97 +	385	771	53498	53888
UN48499	Rsa1.0.00205.1	605	193401	1.00E-147	334	351	95 +	251	599	38432	38778
UN48500	Rsa1.0.00152.1	1079	257730	0	518	535	96 +	547	1076	240049	240580
UN48501	Rsa1.0.04428.1	1097	17399	1.00E-104	225	234	96 -	803	1036	10071	10299
UN48502	Rsa1.0.01461.1	640	45240	0	582	605	96 +	35	639	27469	28073
UN48503	Rsa1.0.00391.1	728	183853	1.00E-101	194	196	98 +	530	725	87082	87277
UN48504	Rsa1.0.02320.1	1181	32575	0	499	516	96 -	666	1181	28855	29370
UN48505	Rsa1.0.00873.1	1100	61459	1.00E-179	328	331	99 -	3	333	60914	61244
UN48506	Rsa1.0.01239.1	942	50107	0	528	553	95 +	11	562	9793	10345
UN48507	Rsa1.0.02392.1	1000	152517	1.00E-117	259	269	96 -	735	1000	25877	26143
UN48508	Rsa1.0.00344.1	782	191774	0	595	635	93 +	2	618	128678	129311
UN48509	Rsa1.0.01875.1	598	37849	1.00E-142	304	318	95 -	1	318	25024	25337
UN48510	Rsa1.0.01974.1	1184	36583	0	388	399	97 +	18	416	11641	12039
UN48511	Rsa1.0.00748.1	725	65983	0	448	454	98 -	1	454	63996	64449
UN48512	Rsa1.0.00253.1	554	231292	0	396	414	95 +	8	421	132047	132460
UN48513	Rsa1.0.04450.1	789	17297	0	562	597	94 +	194	782	11963	12553
UN48514	Rsa1.0.00150.1	620	154416	1.00E-177	330	335	98 +	15	349	151424	151758

UN48515	Rsa1.0.00504.1	738	79334	0	430	436	98 -	305	738	55852	56286
UN48516	Rsa1.0.00194.1	866	110851	0	841	884	95 +	2	865	54079	54962
UN48517	Rsa1.0.02282.1	952	163951	1.00E-129	325	352	92 -	1	341	150366	150717
UN48518	Rsa1.0.00235.1	831	154696	0	418	440	95 -	392	830	139931	140365
UN48519	Rsa1.0.02552.1	1148	30191	0	428	444	96 +	705	1148	21612	22051
UN48520	Rsa1.0.00359.1	885	91256	0	587	598	98 +	219	816	47430	48027
UN48521	Rsa1.0.02742.1	1255	28284	0	1093	1129	96 -	1	1123	26376	27504
UN48522	Rsa1.0.00533.1	1130	77375	0	524	545	96 -	1	545	45912	46456
UN48523	Rsa1.0.09277.1	1127	6504	0	509	546	93 +	292	823	3	539
UN48524	Rsa1.0.00089.1	893	406142	4.00E-68	138	140	98 +	144	283	162197	162336
UN48525	Rsa1.0.00326.1	1179	171955	1.00E-173	337	344	97 -	839	1179	19270	19613
UN48526	Rsa1.0.00087.1	511	761073	1.00E-142	306	323	94 +	5	327	580763	581085
UN48527	Rsa1.0.00087.1	650	761073	2.00E-69	143	146	97 -	272	417	12106	12251
UN48528	Rsa1.0.24929.1	778	960	1.00E-136	279	290	96 +	54	343	159	448
UN48529	Rsa1.0.00786.1	567	64285	1.00E-159	431	469	91 +	105	564	63348	63808
UN48530	Rsa1.0.00614.1	622	72276	1.00E-124	276	292	94 -	1	281	44076	44366
UN48531	Rsa1.0.00017.1	640	752458	1.00E-158	361	385	93 -	262	639	661836	662218
UN48532	Rsa1.0.00686.1	412	68511	4.00E-97	186	188	98 -	55	242	61089	61276
UN48533	Rsa1.0.05076.1	465	14916	3.00E-98	220	230	95 +	238	465	7475	7704
UN48534	Rsa1.0.00196.1	811	109960	0	760	799	95 +	16	811	11131	11929
UN48535	Rsa1.0.23144.1	623	1068	1.00E-126	294	314	93 +	162	473	758	1068
UN48536	Rsa1.0.13820.1	810	4264	2.00E-82	177	184	96 +	405	588	3180	3363
UN48537	Rsa1.0.02288.1	724	32984	1.00E-163	307	311	98 +	415	724	14023	14333
UN48538	Rsa1.0.01106.1	657	53916	0	414	428	96 +	234	657	30833	31259
UN48539	Rsa1.0.00420.1	619	86496	0	584	619	94 +	1	617	54491	55106
UN48540	Rsa1.0.05721.1	807	12821	0	411	420	97 +	388	807	5611	6030
UN48541	Rsa1.0.00894.1	597	269700	1.00E-122	269	279	96 -	327	597	126578	126855
UN48542	Rsa1.0.00960.1	680	58199	1.00E-101	191	192	99 +	235	426	13844	14035
UN48543	Rsa1.0.00652.1	885	70089	1.00E-179	369	386	95 +	511	885	47920	48305
UN48544	Rsa1.0.02367.1	385	32106	1.00E-106	226	236	95 +	150	385	27423	27658
UN48545	Rsa1.0.03465.1	1154	22700	0	500	522	95 +	96	614	9803	10324
UN48546	Rsa1.0.04002.1	1330	19608	0	687	687	100 -	644	1330	3656	4342
UN48547	Rsa1.0.00040.1	506	324196	8.00E-56	139	147	94 -	138	284	228160	228305
UN48548	Rsa1.0.03623.1	783	21714	0	495	521	95 -	263	781	3295	3803
UN48549	Rsa1.0.00398.1	659	88007	1.00E-180	362	376	96 +	280	655	62692	63067
UN48550	Rsa1.0.08429.1	855	7370	1.00E-100	220	229	96 -	605	833	5527	5752
UN48551	Rsa1.0.06010.1	803	11944	0	583	660	88 +	2	661	4933	5592
UN48552	Rsa1.0.05100.1	1058	14853	1.00E-124	256	264	96 +	14	272	1926	2189
UN48553	Rsa1.0.00168.1	770	115870	1.00E-147	290	296	97 +	475	769	38162	38455

UN48554	Rsa1.0_00323.1	523	159650	1.00E-131	282	296	95 -	230	523	61652	61947
UN48555	Rsa1.0_05546.1	1164	13379	1.00E-141	288	299	96 -	496	794	7596	7894
UN48556	Rsa1.0_38361.1	872	587	0	419	436	96 -	385	815	2	437
UN48557	Rsa1.0_00500.1	464	272308	1.00E-125	250	257	97 +	83	339	102401	102654
UN48558	Rsa1.0_00782.1	764	64468	5.00E-52	114	117	97 +	101	217	26251	26367
UN48559	Rsa1.0_00744.1	788	66084	1.00E-154	320	336	95 +	1	326	51340	51675
UN48560	Rsa1.0_00214.1	805	107508	7.00E-79	176	184	95 -	192	372	67033	67216
UN48561	Rsa1.0_00737.1	818	66432	1.00E-115	289	319	90 +	1	316	11909	12208
UN48562	Rsa1.0_00569.1	891	75060	0	482	498	96 +	398	891	65107	65600
UN48563	Rsa1.0_01419.1	964	167402	0	816	817	99 +	130	946	130447	131262
UN48564	Rsa1.0_03673.1	1007	21448	0	532	565	94 -	455	1004	4029	4589
UN48565	Rsa1.0_00064.1	703	240927	1.00E-119	247	257	96 -	239	495	126299	126555
UN48566	Rsa1.0_00430.1	908	85453	0	807	851	94 -	58	908	44178	45025
UN48567	Rsa1.0_00476.1	529	280966	1.00E-147	285	292	97 -	157	448	223112	223403
UN48568	Rsa1.0_00451.1	1043	322533	1.00E-147	326	342	95 +	700	1039	301659	301995
UN48569	Rsa1.0_01119.1	941	53459	1.00E-126	285	301	94 -	2	298	13988	14285
UN48570	Rsa1.0_24305.1	1033	994	1.00E-138	267	273	97 +	374	646	655	927
UN48571	Rsa1.0_00939.1	1108	185227	1.00E-110	229	238	96 -	362	599	39140	39377
UN48572	Rsa1.0_00731.1	806	66638	1.00E-110	219	223	98 +	87	308	10741	10963
UN48573	Rsa1.0_00820.1	869	62911	0	443	446	99 -	1	446	24909	25354
UN48574	Rsa1.0_03572.1	813	146346	5.00E-86	221	240	92 +	444	680	138843	139082
UN48575	Rsa1.0_02641.1	880	29191	1.00E-128	299	319	93 -	564	878	5580	5898
UN48576	Rsa1.0_00467.1	1237	156542	0	590	604	97 +	632	1235	88257	88857
UN48577	Rsa1.0_00343.1	826	93570	1.00E-125	231	232	99 -	75	306	49115	49346
UN48578	Rsa1.0_00358.1	898	91293	0	451	483	93 -	427	896	32065	32539
UN48579	Rsa1.0_02266.1	665	33195	1.00E-117	295	317	93 +	360	665	21051	21363
UN48580	Rsa1.0_00484.1	764	203294	1.00E-132	319	346	92 -	39	381	137471	137807
UN48581	Rsa1.0_00309.1	794	96883	4.00E-65	179	199	89 -	163	348	66985	67183
UN48582	Rsa1.0_00139.1	751	357786	1.00E-166	299	300	99 -	1	300	292094	292393
UN48583	Rsa1.0_00015.1	1035	561803	0	431	438	98 -	602	1035	291515	291952
UN48584	Rsa1.0_04198.1	793	18504	0	570	593	96 -	2	587	13939	14526
UN48585	Rsa1.0_00269.1	1000	341668	1.00E-110	266	286	93 -	11	287	289954	290237
UN48586	Rsa1.0_20183.1	887	1330	0	432	432	100 +	455	886	157	588
UN48587	Rsa1.0_02053.1	709	35554	1.00E-180	368	382	96 +	333	709	32532	32910
UN48588	Rsa1.0_00067.1	682	415055	1.00E-147	279	284	98 -	1	284	244191	244474
UN48589	Rsa1.0_00153.1	1080	192931	1.00E-178	484	539	89 +	543	1080	26879	27395
UN48590	Rsa1.0_07182.1	1127	9777	1.00E-166	354	371	95 -	771	1127	7010	7380
UN48591	Rsa1.0_03588.1	778	21908	0	532	570	93 -	156	714	2928	3494
UN48592	Rsa1.0_00207.1	651	248736	0	555	579	95 +	1	573	194259	194836

UN48593	Rsa1.0.00081.1	1127	143261	0	621	623	99 -	503	1125	138638	139260
UN48594	Rsa1.0.00001.1	671	363028	0	652	677	96 +	3	671	287292	287966
UN48595	Rsa1.0.03344.1	689	23593	0	684	689	99 +	1	689	15103	15790
UN48596	Rsa1.0.14634.1	873	3205	0	336	340	98 -	357	696	1139	1478
UN48597	Rsa1.0.00082.1	659	237584	1.00E-100	188	189	99 +	447	635	133006	133194
UN48598	Rsa1.0.07309.1	794	9572	0	515	517	99 -	1	517	4292	4808
UN48599	Rsa1.0.01705.1	998	40710	2.00E-58	200	231	86 -	59	270	38585	38815
UN48600	Rsa1.0.03568.1	975	22048	0	734	751	97 +	217	966	18572	19318
UN48601	Rsa1.0.00037.1	910	307838	0	408	419	97 -	3	419	46810	47226
UN48602	Rsa1.0.00013.1	654	292129	0	640	651	98 -	2	652	114309	114959
UN48603	Rsa1.0.01174.1	729	51696	0	630	647	97 -	1	643	12826	13471
UN48604	Rsa1.0.44971.1	999	501	0	377	379	99 -	1	379	15	393
UN48605	Rsa1.0.00048.1	896	167185	0	813	889	91 +	7	881	146175	147043
UN48606	Rsa1.0.02735.1	685	28344	0	533	551	96 +	3	551	2741	3290
UN48607	Rsa1.0.00124.1	442	262503	0	438	442	99 +	3	441	56826	57267
UN48608	Rsa1.0.00119.1	837	467509	1.00E-89	217	232	93 +	330	561	247334	247559
UN48609	Rsa1.0.00589.1	802	209965	1.00E-153	277	278	99 +	463	740	193381	193658
UN48610	Rsa1.0.00519.1	960	197864	0	357	368	97 -	2	369	192606	192973
UN48611	Rsa1.0.05669.1	1118	12993	0	587	596	98 +	1	596	9645	10240
UN48612	Rsa1.0.00205.1	769	193401	1.00E-137	298	311	95 -	1	309	92527	92831
UN48613	Rsa1.0.07727.1	432	8700	1.00E-131	238	238	100 -	3	240	4431	4668
UN48614	Rsa1.0.08018.1	1110	8075	1.00E-155	326	342	95 -	602	943	5142	5477
UN48615	Rsa1.0.01561.1	776	43227	1.00E-129	234	234	100 -	543	776	32097	32330
UN48616	Rsa1.0.01313.1	953	48387	1.00E-151	317	331	95 -	624	953	647	977
UN48617	Rsa1.0.07813.1	596	8493	0	578	602	96 -	2	596	975	1571
UN48618	Rsa1.0.01749.1	628	39822	1.00E-123	332	361	91 +	271	628	34005	34349
UN48619	Rsa1.0.02698.1	726	28593	1.00E-106	214	220	97 -	461	680	9035	9254
UN48620	Rsa1.0.00476.1	597	280966	0	584	587	99 -	12	597	222922	223508
UN48621	Rsa1.0.01529.1	447	43871	0	441	445	99 -	1	445	31834	32278
UN48622	Rsa1.0.00322.1	780	212233	1.00E-148	284	290	97 +	295	584	206966	207255
UN48623	Rsa1.0.01306.1	884	48720	0	350	350	100 -	1	350	755	1104
UN48624	Rsa1.0.00761.1	1183	65133	0	1041	1076	96 +	114	1183	37793	38860
UN48625	Rsa1.0.00049.1	615	167018	1.00E-178	342	349	97 -	56	404	128791	129138
UN48626	Rsa1.0.00407.1	746	191544	0	380	396	95 -	6	399	182904	183289
UN48627	Rsa1.0.03843.1	1206	20496	1.00E-141	275	282	97 +	583	864	11162	11443
UN48628	Rsa1.0.00050.1	792	237174	1.00E-175	397	430	92 +	1	430	31115	31520
UN48629	Rsa1.0.00247.1	1293	103408	7.00E-80	197	207	95 -	20	225	74920	75122
UN48630	Rsa1.0.00205.1	825	193401	1.00E-98	263	291	90 +	460	750	77712	77988
UN48631	Rsa1.0.15516.1	629	2563	1.00E-135	268	275	97 +	356	628	1144	1418

UN48632	Rsa1.0.36971.1	1491	610	0	585	588	99 -	2	589	20	607
UN48633	Rsa1.0.00500.1	487	272308	0	396	415	95 +	73	487	102394	102795
UN48634	Rsa1.0.02420.1	672	31580	0	428	454	94 -	4	453	15051	15503
UN48635	Rsa1.0.02282.1	958	163951	1.00E-180	342	348	98 +	611	958	156496	156842
UN48636	Rsa1.0.02253.1	508	33356	0	368	370	99 -	140	508	10470	10839
UN48637	Rsa1.0.04794.1	765	15960	1.00E-177	366	383	95 +	80	462	6544	6926
UN48638	Rsa1.0.00632.1	968	183777	0	635	669	94 -	1	659	37099	37765
UN48639	Rsa1.0.00124.1	668	262503	1.00E-120	277	294	94 -	375	667	14154	14444
UN48640	Rsa1.0.00679.1	897	68971	3.00E-78	164	169	97 -	563	731	65932	66100
UN48641	Rsa1.0.00166.1	655	240912	0	533	549	97 +	3	548	131051	131598
UN48642	Rsa1.0.05748.1	553	12749	1.00E-130	244	247	98 +	1	247	8285	8531
UN48643	Rsa1.0.00294.1	702	144860	0	427	428	99 -	190	617	43286	43713
UN48644	Rsa1.0.00340.1	1419	305782	1.00E-130	405	464	87 -	1	453	190468	190893
UN48645	Rsa1.0.00178.1	818	114861	0	804	820	98 +	2	818	5902	6720
UN48646	Rsa1.0.01611.1	1045	42269	1.00E-119	292	310	94 -	740	1043	15232	15537
UN48647	Rsa1.0.00482.1	684	81162	4.00E-46	101	103	98 -	222	324	5789	5891
UN48648	Rsa1.0.00757.1	577	65559	0	481	507	94 +	70	576	41627	42124
UN48649	Rsa1.0.02605.1	138	29637	3.00E-46	121	130	93 -	5	134	26078	26207
UN48650	Rsa1.0.00037.1	755	307838	5.00E-98	210	218	96 -	465	682	267093	267309
UN48651	Rsa1.0.05573.1	658	13290	0	457	489	93 +	175	654	4157	4642
UN48652	Rsa1.0.19555.1	681	1415	0	364	366	99 -	60	425	1050	1415
UN48653	Rsa1.0.00113.1	647	131574	0	501	513	97 -	135	647	31770	32282
UN48654	Rsa1.0.03813.1	1033	20708	1.00E-136	247	247	100 +	785	1031	2017	2263
UN48655	Rsa1.0.01050.1	804	55651	1.00E-142	266	269	98 +	533	801	27609	27877
UN48656	Rsa1.0.00037.1	807	307838	0	521	540	96 -	283	807	198117	198655
UN48657	Rsa1.0.02730.1	1538	28385	0	711	715	99 -	824	1538	2166	2880
UN48658	Rsa1.0.00016.1	1209	831256	1.00E-179	354	366	96 +	274	639	428653	429018
UN48659	Rsa1.0.00697.1	922	67913	0	892	925	96 -	3	922	47733	48652
UN48660	Rsa1.0.21831.1	819	1169	1.00E-68	212	234	90 +	148	377	791	1021
UN48661	Rsa1.0.00108.1	798	478491	1.00E-150	284	288	98 +	513	797	467691	467978
UN48662	Rsa1.0.00505.1	526	79323	9.00E-62	142	149	95 +	123	271	13080	13228
UN48663	Rsa1.0.05569.1	1090	13311	0	413	431	95 -	666	1090	4150	4579
UN48664	Rsa1.0.00234.1	814	197060	4.00E-65	180	195	92 -	616	808	15884	16073
UN48665	Rsa1.0.14283.1	619	3580	0	403	413	97 +	207	619	409	819
UN48666	Rsa1.0.00081.1	897	143261	1.00E-135	271	277	97 +	625	897	134326	134600
UN48667	Rsa1.0.06671.1	746	10563	0	696	729	95 -	19	746	3132	3850
UN48668	Rsa1.0.00457.1	1005	337301	1.00E-122	225	226	99 -	398	623	161069	161294
UN48669	Rsa1.0.01650.1	578	41589	1.00E-135	347	378	91 -	195	572	27296	27662
UN48670	Rsa1.0.00859.1	732	61795	0	370	381	97 -	79	459	61329	61709

UN48671	Rsa1.0.00480.1	655	81325	1.00E-116	238	246	96 +	258	500	4323	4568
UN48672	Rsa1.0.01783.1	928	39383	1.00E-119	235	241	97 -	667	907	9454	9694
UN48673	Rsa1.0.00758.1	594	65477	1.00E-145	264	265	99 -	326	590	11258	11522
UN48674	Rsa1.0.00556.1	733	207212	0	695	735	94 +	6	732	43743	44474
UN48675	Rsa1.0.00030.1	1087	250988	1.00E-71	156	162	96 +	548	709	123971	124132
UN48676	Rsa1.0.00026.1	856	327835	0	746	790	94 -	8	796	25771	26558
UN48677	Rsa1.0.00076.1	573	146021	0	543	570	95 +	7	571	100578	101146
UN48678	Rsa1.0.01719.1	686	40388	1.00E-105	265	284	93 -	2	282	28024	28299
UN48679	Rsa1.0.02863.1	882	27160	1.00E-147	307	319	96 +	534	848	14504	14822
UN48680	Rsa1.0.00028.1	1196	293984	0	472	486	97 -	4	489	281443	281927
UN48681	Rsa1.0.00108.1	727	478491	1.00E-134	273	283	96 +	444	726	459452	459734
UN48682	Rsa1.0.05822.1	658	12521	1.00E-156	334	352	94 -	35	382	7677	8028
UN48683	Rsa1.0.04340.1	785	17831	1.00E-153	337	354	95 +	429	781	16410	16756
UN48684	Rsa1.0.00792.1	483	64163	1.00E-79	178	185	96 +	300	483	7358	7539
UN48685	Rsa1.0.58948.1	739	388	0	377	381	98 +	360	739	7	387
UN48686	Rsa1.0.15262.1	1017	2722	1.00E-144	288	296	97 +	723	1017	1912	2207
UN48687	Rsa1.0.00275.1	656	210104	1.00E-136	307	324	94 -	1	323	178612	178931
UN48688	Rsa1.0.04123.1	763	18947	1.00E-148	297	305	97 +	447	751	15564	15865
UN48689	Rsa1.0.02170.1	654	34352	0	588	625	94 -	27	651	30232	30835
UN48690	Rsa1.0.00500.1	804	272308	0	571	605	94 -	1	592	157120	157724
UN48691	Rsa1.0.00007.1	476	239325	6.00E-81	275	318	86 +	165	460	42229	42536
UN48692	Rsa1.0.44085.1	1014	510	1.00E-160	322	334	96 -	73	406	70	403
UN48693	Rsa1.0.00277.1	1351	100132	1.00E-134	352	381	92 -	971	1345	76575	76948
UN48694	Rsa1.0.01201.1	1067	50856	1.00E-169	325	333	97 +	624	956	46496	46828
UN48695	Rsa1.0.14737.1	706	3115	1.00E-147	307	321	95 -	306	626	2055	2375
UN48696	Rsa1.0.00145.1	806	261008	1.00E-151	322	338	95 -	471	806	96005	96342
UN48697	Rsa1.0.06978.1	696	10073	1.00E-159	306	313	97 -	146	458	2434	2746
UN48698	Rsa1.0.00214.1	982	107508	0	557	623	89 +	368	950	67224	67845
UN48699	Rsa1.0.03352.1	986	23506	0	934	996	93 -	2	984	4671	5647
UN48700	Rsa1.0.00083.1	837	442773	0	804	840	95 -	2	830	359574	360410
UN48701	Rsa1.0.02777.1	792	27986	1.00E-141	281	290	96 -	501	790	23977	24266
UN48702	Rsa1.0.02907.1	1159	26861	0	526	561	93 +	1	555	15237	15794
UN48703	Rsa1.0.00420.1	625	86496	3.00E-96	197	202	97 +	391	592	11931	12130
UN48704	Rsa1.0.05477.1	800	13613	1.00E-100	189	190	99 -	388	577	4693	4882
UN48705	Rsa1.0.00307.1	874	199003	1.00E-128	390	436	89 -	440	868	183145	183556
UN48706	Rsa1.0.00069.1	838	403561	1.00E-132	277	290	95 +	1	279	148021	148310
UN48707	Rsa1.0.00078.1	1324	175053	2.00E-89	289	330	87 +	1	330	140360	140677
UN48708	Rsa1.0.00092.1	544	659932	1.00E-144	349	374	93 +	10	381	517088	517458
UN48709	Rsa1.0.00101.1	724	267193	1.00E-133	274	285	96 -	123	407	258416	258700

UN48710	Rsa1.0_39807.1	936	564	1.00E-103	271	292	92 +	649	936	1	288
UN48711	Rsa1.0_02871.1	745	27085	0	392	408	96 -	3	410	24021	24427
UN48712	Rsa1.0_01146.1	1009	163455	1.00E-157	328	341	96 -	1	341	18082	18420
UN48713	Rsa1.0_00394.1	652	148426	1.00E-108	290	320	90 -	325	638	120719	121030
UN48714	Rsa1.0_03201.1	689	157656	0	390	407	95 +	3	399	18916	19322
UN48715	Rsa1.0_00390.1	534	88681	0	458	466	98 -	69	534	10794	11259
UN48716	Rsa1.0_01581.1	658	42833	1.00E-153	295	302	97 +	85	386	7614	7915
UN48717	Rsa1.0_00503.1	1165	79468	0	712	715	99 +	451	1165	68872	69586
UN48718	Rsa1.0_00080.1	728	190437	1.00E-135	263	269	97 -	15	283	34258	34526
UN48719	Rsa1.0_00577.1	995	174827	1.00E-166	299	300	99 -	450	749	168661	168960
UN48720	Rsa1.0_00913.1	885	59914	0	464	465	99 +	421	885	50698	51162
UN48721	Rsa1.0_01168.1	495	153765	6.00E-69	223	247	90 -	256	491	23488	23728
UN48722	Rsa1.0_06715.1	686	10485	0	553	582	95 +	109	682	2804	3385
UN48723	Rsa1.0_02429.1	557	31527	1.00E-171	340	352	96 +	201	552	12869	13220
UN48724	Rsa1.0_02402.1	1294	31710	0	435	452	96 -	345	790	25296	25747
UN48725	Rsa1.0_06143.1	740	11634	0	725	734	98 -	3	736	4551	5282
UN48726	Rsa1.0_03940.1	705	19962	0	440	456	96 +	243	698	7982	8436
UN48727	Rsa1.0_00611.1	833	72410	0	439	456	96 -	377	832	15018	15467
UN48728	Rsa1.0_03122.1	588	25207	0	396	407	97 -	3	408	14445	14851
UN48729	Rsa1.0_00017.1	837	752458	0	439	458	95 -	9	466	354538	354992
UN48730	Rsa1.0_00185.1	361	248445	1.00E-154	333	351	94 -	6	356	4395	4743
UN48731	Rsa1.0_05336.1	752	14117	1.00E-101	229	241	95 -	97	332	11121	11361
UN48732	Rsa1.0_02245.1	704	33478	1.00E-126	235	237	99 -	3	239	6822	7058
UN48733	Rsa1.0_01989.1	731	36439	1.00E-83	253	278	91 +	457	731	22890	23160
UN48734	Rsa1.0_00342.1	773	93695	1.00E-110	271	295	91 -	4	298	1563	1843
UN48735	Rsa1.0_00181.1	784	114269	0	438	448	97 -	1	445	53498	53945
UN48736	Rsa1.0_00048.1	931	167185	0	850	921	92 -	20	929	146141	147042
UN48737	Rsa1.0_02222.1	629	152798	0	592	633	93 -	3	629	23567	24199
UN48738	Rsa1.0_00027.1	760	283362	1.00E-117	226	230	98 +	50	279	136818	137047
UN48739	Rsa1.0_01382.1	888	46877	0	704	754	93 -	141	888	37054	37801
UN48740	Rsa1.0_06900.1	631	131268	1.00E-121	329	357	92 -	279	627	129900	130254
UN48741	Rsa1.0_00326.1	857	171955	0	467	501	93 +	357	857	16263	16747
UN48742	Rsa1.0_01096.1	1344	54266	0	628	641	97 -	262	901	9497	10135
UN48743	Rsa1.0_00142.1	678	121474	1.00E-132	258	264	97 +	343	606	64267	64530
UN48744	Rsa1.0_36118.1	574	625	1.00E-135	269	277	97 +	3	279	20	296
UN48745	Rsa1.0_09314.1	1064	6461	0	556	562	98 +	5	564	5553	6112
UN48746	Rsa1.0_03097.1	748	25434	1.00E-168	373	396	94 +	364	748	20254	20645
UN48747	Rsa1.0_00007.1	902	239325	0	457	483	94 -	418	900	14080	14555
UN48748	Rsa1.0_01159.1	893	52115	1.00E-119	238	245	97 +	329	573	32156	32400

UN48749	Rsa1.0.01604.1	922	42461	1.00E-176	357	371	96 -	560	922	1074	1443
UN48750	Rsa1.0.01408.1	862	46383	1.00E-136	312	332	93 -	489	813	16626	16954
UN48751	Rsa1.0.05354.1	795	14073	0	618	651	94 -	147	794	4710	5350
UN48752	Rsa1.0.07055.1	1120	9970	1.00E-142	299	313	95 +	310	622	1845	2157
UN48753	Rsa1.0.01026.1	878	171624	0	573	586	97 -	298	878	165305	165890
UN48754	Rsa1.0.01958.1	740	261128	8.00E-97	195	200	97 +	193	392	113926	114125
UN48755	Rsa1.0.02231.1	729	33661	0	695	714	97 -	2	713	27200	27913
UN48756	Rsa1.0.00988.1	845	57525	0	504	505	99 -	3	507	50667	51171
UN48757	Rsa1.0.08001.1	997	8095	0	389	402	96 +	599	996	1475	1876
UN48758	Rsa1.0.06900.1	613	131268	1.00E-121	314	342	91 +	9	335	129913	130254
UN48759	Rsa1.0.00333.1	797	94500	1.00E-155	339	354	95 -	3	353	80864	81216
UN48760	Rsa1.0.04934.1	551	143962	0	532	551	96 -	3	551	141886	142435
UN48761	Rsa1.0.01760.1	673	39730	0	610	650	93 -	21	668	27799	28439
UN48762	Rsa1.0.00201.1	370	232851	1.00E-75	212	230	92 -	145	367	109852	110072
UN48763	Rsa1.0.00842.1	597	62493	1.00E-158	288	290	99 -	308	597	38931	39220
UN48764	Rsa1.0.08203.1	1037	7742	1.00E-164	306	310	98 -	267	576	5693	6002
UN48765	Rsa1.0.00212.1	745	108350	1.00E-154	318	329	96 -	417	743	59950	60278
UN48766	Rsa1.0.01159.1	979	52115	1.00E-126	238	241	98 +	310	550	32156	32396
UN48767	Rsa1.0.00030.1	543	250988	3.00E-80	167	172	97 +	25	196	123961	124132
UN48768	Rsa1.0.29217.1	682	789	1.00E-104	249	267	93 +	417	681	335	601
UN48769	Rsa1.0.08223.1	824	7700	0	465	483	96 +	274	747	6338	6820
UN48770	Rsa1.0.02791.1	609	27832	0	465	500	93 -	128	608	8464	8959
UN48771	Rsa1.0.02680.1	1029	28721	0	947	951	99 +	63	1013	18063	19013
UN48772	Rsa1.0.00048.1	907	167185	1.00E-132	359	393	91 +	3	382	147915	148303
UN48773	Rsa1.0.01947.1	684	36977	1.00E-165	395	417	94 +	25	428	23147	23560
UN48774	Rsa1.0.59638.1	1004	384	0	384	384	100 -	509	892	1	384
UN48775	Rsa1.0.01412.1	617	46311	0	444	455	97 +	163	617	2332	2786
UN48776	Rsa1.0.01870.1	655	37919	0	460	461	99 +	195	655	17943	18403
UN48777	Rsa1.0.00323.1	1036	159650	0	522	529	98 -	4	532	20463	20991
UN48778	Rsa1.0.00318.1	958	96094	1.00E-147	271	273	99 -	444	716	28524	28796
UN48779	Rsa1.0.05293.1	935	14237	1.00E-130	255	259	98 +	678	933	12377	12635
UN48780	Rsa1.0.44669.1	728	504	0	481	487	98 +	1	482	16	502
UN48781	Rsa1.0.02950.1	1108	26506	0	456	495	92 -	1	486	7276	7758
UN48782	Rsa1.0.01920.1	993	158533	2.00E-92	283	317	89 +	2	307	125936	126241
UN48783	Rsa1.0.07059.1	1881	9962	0	456	471	96 -	1	471	5686	6153
UN48784	Rsa1.0.00414.1	1193	202190	0	358	362	98 +	1	362	195701	196062
UN48785	Rsa1.0.00111.1	1054	390088	0	515	549	93 +	510	1051	334412	334954
UN48786	Rsa1.0.00506.1	1167	79106	1.00E-84	207	219	94 +	928	1142	5680	5898
UN48787	Rsa1.0.00119.1	1191	467509	0	405	424	95 +	2	421	46343	46766

UN48788	Rsa1.0.01454.1	1090	45440	0	435	441	98 +	650	1090	32801	33241
UN48789	Rsa1.0.04399.1	885	17543	1.00E-133	270	280	96 +	3	282	8810	9083
UN48790	Rsa1.0.01140.1	1128	52586	0	518	531	97 +	599	1128	4637	5167
UN48791	Rsa1.0.00003.1	1243	340054	0	430	431	99 +	88	518	1149	1579
UN48792	Rsa1.0.00064.1	1483	240927	0	391	391	100 -	1092	1482	124827	125217
UN48793	Rsa1.0.05878.1	1090	12344	1.00E-173	381	403	94 -	688	1090	8117	8501
UN48794	Rsa1.0.10771.1	831	5723	3.00E-75	162	168	96 -	211	378	1215	1382
UN48795	Rsa1.0.00657.1	1315	69858	3.00E-79	169	175	96 +	329	503	25936	26110
UN48796	Rsa1.0.02343.1	1082	32374	5.00E-99	207	212	97 -	717	928	27963	28172
UN48797	Rsa1.0.02061.1	904	35487	0	755	756	99 +	1	756	31549	32304
UN48798	Rsa1.0.00991.1	758	143101	0	462	476	97 -	1	475	138093	138564
UN48799	Rsa1.0.01185.1	1153	149842	1.00E-132	260	267	97 -	404	670	132558	132824
UN48800	Rsa1.0.06971.1	1032	10085	1.00E-71	153	158	96 -	361	518	5075	5232
UN48801	Rsa1.0.05978.1	1095	12053	3.00E-97	206	214	96 +	866	1075	4482	4695
UN48802	Rsa1.0.15875.1	1081	2380	1.00E-134	246	247	99 +	835	1081	381	627
UN48803	Rsa1.0.07877.1	1061	8373	6.00E-77	147	147	100 +	214	360	4515	4661
UN48804	Rsa1.0.00017.1	1186	752458	0	360	370	97 -	1	370	3792	4161
UN48805	Rsa1.0.01359.1	1079	47271	1.00E-128	380	436	87 +	2	405	32410	32836
UN48806	Rsa1.0.03524.1	1145	22297	1.00E-169	342	355	96 -	42	389	17950	18303
UN48807	Rsa1.0.00190.1	1222	318240	0	370	378	97 +	22	399	116690	117067
UN48808	Rsa1.0.06803.1	1171	10330	1.00E-90	258	276	93 -	901	1171	7273	7542
UN48809	Rsa1.0.01696.1	1034	301850	7.00E-61	138	144	95 -	702	845	291899	292042
UN48810	Rsa1.0.01580.1	1164	42852	0	414	426	97 -	1	424	31149	31572
UN48811	Rsa1.0.15024.1	932	2885	1.00E-125	266	279	95 -	664	932	2314	2592
UN48812	Rsa1.0.00772.1	1124	64856	0	499	520	95 -	607	1124	47062	47580
UN48813	Rsa1.0.00470.1	1062	81968	1.00E-119	239	246	97 +	1	246	30132	30377
UN48814	Rsa1.0.03069.1	1319	25615	0	509	521	97 +	395	915	18568	19088
UN48815	Rsa1.0.11046.1	1086	5635	0	415	424	97 -	1	419	331	753
UN48816	Rsa1.0.03244.1	876	24413	0	573	575	99 +	302	876	19633	20206
UN48817	Rsa1.0.00055.1	1167	520193	1.00E-148	334	353	94 +	814	1166	106239	106587
UN48818	Rsa1.0.00033.1	1020	515811	1.00E-125	270	285	94 +	2	286	41403	41679
UN48819	Rsa1.0.02321.1	953	32572	0	590	604	97 +	350	953	5991	6593
UN48820	Rsa1.0.03226.1	1408	24494	0	1311	1415	92 -	2	1408	11457	12860
UN48821	Rsa1.0.00638.1	946	71037	1.00E-131	262	270	97 +	331	600	9037	9306
UN48822	Rsa1.0.00437.1	927	84879	1.00E-145	359	387	92 -	513	898	70229	70609
UN48823	Rsa1.0.00204.1	1041	109056	1.00E-166	306	309	99 +	591	899	48140	48448
UN48824	Rsa1.0.00001.1	1181	363028	0	510	510	100 +	672	1181	62099	62608
UN48825	Rsa1.0.00017.1	1001	752458	1.00E-156	384	412	93 +	2	411	138961	139369
UN48826	Rsa1.0.03305.1	865	147552	1.00E-131	266	274	97 +	458	730	141496	141769

UN48827	Rsa1.0_04323.1	1074	17915	1.00E-121	237	242	97 -	2	243	15645	15886
UN48828	Rsa1.0_03122.1	873	25207	1.00E-175	324	328	98 +	273	600	6320	6647
UN48829	Rsa1.0_00033.1	1320	515811	0	446	458	97 -	3	459	11052	11509
UN48830	Rsa1.0_02377.1	1177	31994	0	630	648	97 +	86	733	4733	5380
UN48831	Rsa1.0_13737.1	908	4403	9.00E-94	181	183	98 -	39	221	3954	4136
UN48832	Rsa1.0_00415.1	673	86795	0	565	606	93 -	53	647	8944	9548
UN48833	Rsa1.0_00369.1	982	266462	0	407	420	96 +	229	648	192827	193246
UN48834	Rsa1.0_00076.1	1138	146021	0	561	580	96 +	2	579	75016	75583
UN48835	Rsa1.0_01519.1	992	44144	0	529	535	98 -	461	992	11617	12151
UN48836	Rsa1.0_00515.1	599	78417	0	576	613	93 +	1	599	59716	60323
UN48837	Rsa1.0_05541.1	1122	139959	0	356	359	99 -	764	1122	2749	3107
UN48838	Rsa1.0_00265.1	1290	220635	0	330	331	99 +	1	330	146292	146622
UN48839	Rsa1.0_00501.1	499	79545	0	484	499	96 +	3	499	58705	59203
UN48840	Rsa1.0_03981.1	901	19724	0	493	542	90 -	363	889	18199	18729
UN48841	Rsa1.0_01034.1	1150	56046	0	740	757	97 +	152	908	19416	20172
UN48842	Rsa1.0_01696.1	1150	301850	1.00E-130	257	263	97 -	3	265	32637	32896
UN48843	Rsa1.0_00979.1	1308	57733	1.00E-167	328	338	97 +	760	1097	31552	31889
UN48844	Rsa1.0_23487.1	1000	1045	0	745	767	97 +	64	830	279	1045
UN48845	Rsa1.0_00225.1	1190	105892	1.00E-141	296	308	96 -	6	304	55265	55572
UN48846	Rsa1.0_00648.1	1163	70351	0	468	468	100 -	695	1162	12038	12505
UN48847	Rsa1.0_04284.1	1111	18085	0	469	478	98 -	1	478	10452	10928
UN48848	Rsa1.0_01313.1	809	48387	1.00E-132	309	329	93 -	10	337	13937	14260
UN48849	Rsa1.0_00759.1	1156	65465	0	837	861	97 -	1	858	55681	56540
UN48850	Rsa1.0_03170.1	843	24824	1.00E-123	264	275	96 +	555	827	12992	13264
UN48851	Rsa1.0_00009.1	1195	232558	1.00E-149	285	289	98 -	907	1195	32923	33210
UN48852	Rsa1.0_00705.1	1032	67505	1.00E-158	283	283	100 +	133	415	53881	54163
UN48853	Rsa1.0_01778.1	1192	39509	1.00E-149	298	307	97 +	886	1192	9400	9704
UN48854	Rsa1.0_00460.1	1167	206387	1.00E-171	328	335	97 +	4	335	200418	200752
UN48855	Rsa1.0_02228.1	1276	33688	0	559	584	95 -	52	634	16770	17343
UN48856	Rsa1.0_00015.1	772	561803	6.00E-73	228	253	90 -	1	250	529332	529580
UN48857	Rsa1.0_00089.1	942	406142	1.00E-134	287	300	95 +	5	299	162037	162336
UN48858	Rsa1.0_00302.1	1090	97521	2.33E-156	333	355	93 +	736	1081	85022	85374
UN48859	Rsa1.0_01559.1	1244	43262	1.00E-173	318	321	99 -	924	1244	20538	20858
UN48860	Rsa1.0_01537.1	1648	187285	1.00E-157	292	294	99 +	1356	1648	21421	21714
UN48861	Rsa1.0_02064.1	1123	35476	1.00E-158	320	332	96 -	471	802	5466	5797
UN48862	Rsa1.0_04126.1	530	18939	0	360	370	97 -	4	373	15519	15888
UN48863	Rsa1.0_03843.1	982	20496	1.00E-160	392	428	91 -	565	977	6097	6521
UN48864	Rsa1.0_00453.1	962	83031	0	490	503	97 -	53	554	68504	69006
UN48865	Rsa1.0_00484.1	1300	203294	0	747	783	95 +	516	1298	56116	56892

UN48866	Rsa1.0.00336.1	1120	445051	0	1084	1127	96 +	3	1120	308919	310041
UN48867	Rsa1.0.53834.1	837	423	1.00E-100	235	250	94 -	7	253	1	248
UN48868	Rsa1.0.00095.1	792	283384	2.00E-33	95	102	93 -	681	782	123411	123512
UN48869	Rsa1.0.00358.1	966	91293	1.00E-105	277	300	92 -	1	290	1111	1409
UN48870	Rsa1.0.04126.1	1050	18939	0	463	486	95 +	566	1050	17402	17884
UN48871	Rsa1.0.08546.1	1152	7214	2.00E-67	214	241	88 -	15	251	6984	7210
UN48872	Rsa1.0.01401.1	970	142441	0	852	872	97 -	1	872	132155	133026
UN48873	Rsa1.0.00007.1	840	239325	1.00E-102	239	253	94 +	9	260	30267	30518
UN48874	Rsa1.0.02841.1	1292	27383	1.00E-100	210	219	95 +	1074	1292	8321	8531
UN48875	Rsa1.0.01638.1	762	41857	5.00E-92	202	212	95 +	198	409	35702	35913
UN48876	Rsa1.0.15326.1	839	2683	0	682	700	97 +	2	699	632	1331
UN48877	Rsa1.0.00547.1	1089	76521	0	430	450	95 +	4	453	54291	54737
UN48878	Rsa1.0.16164.1	1117	2261	1.00E-145	286	294	97 -	182	475	613	906
UN48879	Rsa1.0.00079.1	992	606987	0	605	629	96 -	13	641	4717	5344
UN48880	Rsa1.0.00070.1	940	150321	0	483	500	96 +	3	502	115490	115989
UN48881	Rsa1.0.00437.1	882	84879	0	452	454	99 +	429	882	50510	50962
UN48882	Rsa1.0.01825.1	985	38725	0	596	624	95 +	2	625	26226	26838
UN48883	Rsa1.0.00016.1	1177	831256	0	455	477	95 -	334	810	253037	253513
UN48884	Rsa1.0.00144.1	794	120708	0	427	444	96 +	1	442	12330	12773
UN48885	Rsa1.0.00374.1	1121	165738	0	403	415	97 -	138	552	140693	141107
UN48886	Rsa1.0.00048.1	1231	167185	1.00E-162	384	416	92 +	2	407	4745	5158
UN48887	Rsa1.0.14775.1	763	3074	1.00E-159	285	285	100 -	389	673	2001	2285
UN48888	Rsa1.0.00675.1	1068	145590	0	444	472	94 -	596	1067	45274	45726
UN48889	Rsa1.0.03951.1	887	19894	1.00E-111	235	245	95 +	547	791	3737	3981
UN48890	Rsa1.0.03668.1	1103	21483	0	609	628	96 -	1	625	13255	13882
UN48891	Rsa1.0.01130.1	1271	52929	1.00E-164	367	391	93 -	1	377	44531	44917
UN48892	Rsa1.0.01651.1	1041	41586	1.00E-148	289	297	97 +	731	1027	30453	30743
UN48893	Rsa1.0.01718.1	896	40389	0	683	696	98 +	2	691	16032	16727
UN48894	Rsa1.0.02798.1	843	27792	1.00E-171	421	455	92 +	1	439	5374	5823
UN48895	Rsa1.0.03352.1	997	23506	3.00E-78	164	169	97 -	807	975	16124	16292
UN48896	Rsa1.0.01632.1	576	181224	1.00E-159	310	319	97 -	3	315	27928	28246
UN48897	Rsa1.0.00721.1	1267	66918	0	428	445	96 +	313	757	918	1359
UN48898	Rsa1.0.01126.1	802	53127	1.00E-110	235	245	95 +	402	646	15539	15780
UN48899	Rsa1.0.00222.1	1280	172263	0	605	639	94 -	646	1278	39653	40291
UN48900	Rsa1.0.04085.1	850	19168	1.00E-163	461	522	88 -	20	517	755	1267
UN48901	Rsa1.0.00269.1	1138	341668	0	560	575	97 +	535	1109	18901	19475
UN48902	Rsa1.0.00529.1	1243	77487	1.00E-151	334	350	95 -	1	348	72030	72375
UN48903	Rsa1.0.00375.1	1117	90207	1.00E-134	288	302	95 +	722	1023	34140	34439
UN48904	Rsa1.0.00842.1	1114	62493	1.00E-124	229	230	99 +	885	1114	11085	11314

UN48905	Rsa1.0.07073.1	1230	9944	1.00E-136	296	313	94 -	922	1228	3853	4165
UN48906	Rsa1.0.01806.1	1031	39021	0	422	435	97 -	592	1024	21731	22163
UN48907	Rsa1.0.00914.1	999	59880	1.00E-136	267	274	97 -	374	647	22117	22390
UN48908	Rsa1.0.00176.1	967	240984	1.00E-101	209	217	96 +	701	917	26049	26257
UN48909	Rsa1.0.00034.1	1150	260119	1.00E-157	336	352	95 +	742	1093	841	1189
UN48910	Rsa1.0.00155.1	1374	118465	0	372	382	97 +	993	1374	53727	54105
UN48911	Rsa1.0.00220.1	928	192936	1.00E-93	253	278	91 +	655	927	152562	152827
UN48912	Rsa1.0.01408.1	686	46383	1.00E-154	352	374	94 -	318	684	16584	16954
UN48913	Rsa1.0.01512.1	1253	44234	1.00E-170	348	363	95 -	352	714	9997	10359
UN48914	Rsa1.0.00948.1	1218	58620	0	481	534	90 -	5	518	1582	2096
UN48915	Rsa1.0.00303.1	907	97468	9.00E-94	199	207	96 -	289	495	31704	31910
UN48916	Rsa1.0.00388.1	934	88890	0	433	435	99 +	3	437	54784	55218
UN48917	Rsa1.0.00152.1	643	257730	4.00E-92	249	268	92 +	380	643	214460	214726
UN48918	Rsa1.0.00098.1	836	349239	0	431	448	96 +	3	448	292716	293162
UN48919	Rsa1.0.01865.1	808	37992	1.00E-130	239	240	99 +	567	806	33427	33666
UN48920	Rsa1.0.00397.1	1282	88189	0	681	706	96 +	1	696	64538	65242
UN48921	Rsa1.0.00340.1	766	305782	5.00E-89	179	183	97 -	308	490	195108	195290
UN48922	Rsa1.0.02722.1	869	28417	1.00E-114	221	225	98 +	645	869	16664	16888
UN48923	Rsa1.0.00010.1	981	294827	0	659	693	95 +	14	694	90140	90830
UN48924	Rsa1.0.00131.1	918	432233	0	405	431	93 -	257	687	34864	35288
UN48925	Rsa1.0.00237.1	1118	235974	1.00E-151	331	347	95 +	1	346	17791	18135
UN48926	Rsa1.0.01081.1	681	499226	0	612	643	95 +	15	654	456279	456921
UN48927	Rsa1.0.01042.1	928	293264	0	574	598	95 -	3	598	141476	142066
UN48928	Rsa1.0.00655.1	1293	195840	0	352	355	99 +	934	1288	23143	23496
UN48929	Rsa1.0.00132.1	1370	124299	0	1338	1366	97 -	7	1370	52465	53826
UN48930	Rsa1.0.00065.1	657	454616	4.00E-86	232	251	92 -	18	266	116989	117234
UN48931	Rsa1.0.00211.1	819	228189	0	399	422	94 +	398	819	201586	202000
UN48932	Rsa1.0.01882.1	1226	37697	0	871	901	96 +	328	1226	23907	24805
UN48933	Rsa1.0.00015.1	1308	561803	0	398	403	98 +	3	405	370472	370874
UN48934	Rsa1.0.00571.1	1205	329018	0	1141	1195	95 -	17	1204	143111	144303
UN48935	Rsa1.0.00013.1	723	292129	2.00E-76	167	174	95 +	110	283	72142	72315
UN48936	Rsa1.0.00322.1	1259	212233	1.00E-112	210	211	99 -	837	1047	80183	80393
UN48937	Rsa1.0.00038.1	483	314568	0	481	483	99 +	1	483	284209	284691
UN48938	Rsa1.0.00821.1	1186	62891	1.00E-107	213	218	97 +	304	521	49645	49862
UN48939	Rsa1.0.14816.1	960	3046	0	365	373	97 -	540	912	1938	2310
UN48940	Rsa1.0.01259.1	747	49754	1.00E-49	113	117	96 +	400	516	34296	34412
UN48941	Rsa1.0.01553.1	720	43379	1.00E-110	293	317	92 +	409	720	26455	26769
UN48942	Rsa1.0.00588.1	1226	73939	1.00E-143	307	318	96 +	871	1186	19134	19448
UN48943	Rsa1.0.05595.1	846	13228	0	394	418	94 +	1	418	3186	3599

UN48944	Rsa1.0_04116.1	975	18971	1.00E-179	318	318	100 -	658	975	1570	1887
UN48945	Rsa1.0_00734.1	807	66508	0	539	540	99 -	267	806	62126	62665
UN48946	Rsa1.0_01453.1	1124	45449	1.00E-131	270	280	96 -	388	667	11450	11726
UN48947	Rsa1.0_01958.1	812	261128	1.00E-100	197	201	98 +	182	382	113925	114125
UN48948	Rsa1.0_01104.1	1019	285480	0	478	486	98 -	3	488	268402	268882
UN48949	Rsa1.0_09255.1	1145	6525	0	589	606	97 +	355	957	1257	1859
UN48950	Rsa1.0_00466.1	1003	82132	0	708	741	95 -	263	1003	23507	24246
UN48951	Rsa1.0_00105.1	833	134138	0	402	404	99 +	431	833	91785	92188
UN48952	Rsa1.0_02144.1	1185	34630	0	372	377	98 +	805	1181	23118	23492
UN48953	Rsa1.0_00161.1	893	116891	0	513	541	94 -	291	829	26063	26603
UN48954	Rsa1.0_00437.1	907	84879	1.00E-133	268	277	96 -	630	906	61992	62268
UN48955	Rsa1.0_02146.1	845	34625	0	720	758	94 -	1	742	17172	17929
UN48956	Rsa1.0_03671.1	1061	21459	1.00E-110	340	381	89 +	699	1061	9838	10210
UN48957	Rsa1.0_00323.1	971	159650	1.00E-153	333	351	94 -	622	969	30599	30941
UN48958	Rsa1.0_01283.1	1039	49257	0	417	438	95 +	540	972	7067	7504
UN48959	Rsa1.0_01758.1	799	39747	0	413	415	99 -	369	783	37154	37568
UN48960	Rsa1.0_00910.1	881	59975	0	553	553	100 +	2	554	55799	56351
UN48961	Rsa1.0_06553.1	763	10795	1.00E-157	332	348	95 -	111	451	5503	5850
UN48962	Rsa1.0_00139.1	867	357786	9.00E-57	175	195	89 -	180	371	149456	149650
UN48963	Rsa1.0_00851.1	1278	62181	1.00E-100	186	186	100 -	1	186	29745	29930
UN48964	Rsa1.0_11170.1	1027	5596	1.00E-130	251	256	98 -	772	1027	2267	2522
UN48965	Rsa1.0_08255.1	1419	7652	0	496	499	99 +	923	1419	2723	3221
UN48966	Rsa1.0_08018.1	1211	8075	1.00E-171	305	305	100 +	907	1211	6273	6577
UN48967	Rsa1.0_00131.1	1018	432233	1.00E-111	268	292	91 -	723	1014	398662	398935
UN48968	Rsa1.0_00067.1	1049	415055	0	372	381	97 -	1	380	301029	301405
UN48969	Rsa1.0_00224.1	1253	327530	3.00E-76	161	166	96 -	1	166	224639	224804
UN48970	Rsa1.0_02870.1	884	27102	0	859	894	96 -	8	877	7659	8551
UN48971	Rsa1.0_00065.1	1098	454616	1.00E-145	303	317	95 -	3	319	191624	191940
UN48972	Rsa1.0_00111.1	565	390088	1.00E-104	322	364	88 -	2	356	7100	7451
UN48973	Rsa1.0_00016.1	898	831256	1.00E-92	266	292	91 -	610	893	225491	225775
UN48974	Rsa1.0_00228.1	818	105511	1.00E-100	194	197	98 -	3	199	41526	41722
UN48975	Rsa1.0_01425.1	1000	46136	0	366	375	97 +	9	383	34224	34597
UN48976	Rsa1.0_00571.1	814	329018	0	644	655	98 +	2	656	143483	144137
UN48977	Rsa1.0_00065.1	1136	454616	0	499	534	93 -	621	1134	26179	26712
UN48978	Rsa1.0_06421.1	761	11053	1.00E-163	334	346	96 -	418	761	3887	4231
UN48979	Rsa1.0_03513.1	808	22349	0	393	410	95 -	400	808	14004	14409
UN48980	Rsa1.0_00037.1	962	307838	0	414	442	93 +	530	961	239665	240095
UN48981	Rsa1.0_01140.1	1207	52586	0	731	764	95 -	444	1206	6334	7094
UN48982	Rsa1.0_02784.1	901	27881	8.00E-85	192	202	95 +	697	898	5126	5324

UN48983	Rsa1.0_00253.1	1975	231292	1.00E-130	250	252	99 +	1	251	126699	126949
UN48984	Rsa1.0_06969.1	910	10088	3.00E-87	200	211	94 -	698	908	1271	1479
UN48985	Rsa1.0_04872.1	1239	15659	1.00E-121	221	221	100 -	206	426	14076	14296
UN48986	Rsa1.0_00980.1	1819	57729	0	340	340	100 +	656	995	39477	39816
UN48987	Rsa1.0_00378.1	959	89892	1.00E-148	275	278	98 -	1	278	81481	81758
UN48988	Rsa1.0_02518.1	1019	30586	1.00E-141	335	362	92 -	7	356	29327	29685
UN48989	Rsa1.0_05900.1	1442	12295	0	517	540	95 +	222	758	3618	4151
UN48990	Rsa1.0_17687.1	968	1765	0	902	933	96 -	3	933	1	928
UN48991	Rsa1.0_01440.1	850	45807	0	741	764	96 +	1	762	13708	14471
UN48992	Rsa1.0_18517.1	1394	1584	1.00E-167	321	327	98 +	6	331	1258	1584
UN48993	Rsa1.0_00681.1	815	68779	1.00E-144	284	292	97 -	267	558	44501	44792
UN48994	Rsa1.0_00116.1	1066	365886	1.00E-117	233	239	97 -	389	627	239728	239966
UN48995	Rsa1.0_05653.1	809	13043	0	751	814	92 +	4	808	11420	12206
UN48996	Rsa1.0_00237.1	887	235974	0	411	429	95 +	461	887	225556	225981
UN48997	Rsa1.0_01200.1	749	50895	0	394	406	97 -	347	749	30782	31187
UN48998	Rsa1.0_00789.1	1171	64233	5.00E-93	211	221	95 +	3	220	43027	43247
UN48999	Rsa1.0_00994.1	794	165189	0	447	447	100 +	1	447	38190	38636
UN49000	Rsa1.0_00111.1	1038	390088	1.00E-164	348	364	95 +	664	1023	139323	139686
UN49001	Rsa1.0_00021.1	1021	263655	0	358	367	97 +	437	803	238503	238869
UN49002	Rsa1.0_71705.1	828	320	2.00E-97	252	271	92 +	3	269	56	319
UN49003	Rsa1.0_00219.1	975	106983	0	527	541	97 +	2	542	55837	56377
UN49004	Rsa1.0_01388.1	728	46741	1.00E-104	257	277	92 -	53	320	17656	17931
UN49005	Rsa1.0_00473.1	1179	212204	0	695	741	93 -	58	777	76768	77508
UN49006	Rsa1.0_00048.1	1224	167185	0	431	447	96 -	673	1112	5045	5491
UN49007	Rsa1.0_00735.1	951	66503	0	489	501	97 -	1	501	4823	5320
UN49008	Rsa1.0_02319.1	805	32580	1.00E-174	313	314	99 -	490	803	15638	15951
UN49009	Rsa1.0_03618.1	1503	21744	0	567	595	95 -	873	1465	5998	6580
UN49010	Rsa1.0_01660.1	1227	41400	1.00E-101	196	199	98 +	308	506	28567	28765
UN49011	Rsa1.0_00056.1	605	332604	1.00E-140	311	330	94 -	279	603	84534	84855
UN49012	Rsa1.0_18025.1	1401	1687	0	524	526	99 -	147	672	1162	1687
UN49013	Rsa1.0_00707.1	539	190112	1.00E-144	291	299	97 -	5	303	161352	161647
UN49014	Rsa1.0_02045.1	1212	35650	1.00E-108	238	250	95 +	823	1072	22742	22989
UN49015	Rsa1.0_03122.1	760	25207	1.00E-101	188	188	100 +	573	760	7659	7846
UN49016	Rsa1.0_00159.1	1228	431686	0	521	556	93 +	18	562	407411	407952
UN49017	Rsa1.0_00453.1	1055	83031	4.00E-78	161	165	97 +	615	779	70878	71042
UN49018	Rsa1.0_00462.1	1370	82288	1.00E-149	329	350	94 +	3	350	36864	37202
UN49019	Rsa1.0_03746.1	1013	21050	0	504	515	97 +	126	640	19828	20342
UN49020	Rsa1.0_00067.1	893	415055	1.00E-114	297	322	92 -	581	893	241240	241557
UN49021	Rsa1.0_00111.1	712	390088	0	367	381	96 -	337	709	32754	33134

UN49022	Rsa1.0_17076.1	1313	1933	0	363	364	99 -	950	1313	1570	1933
UN49023	Rsa1.0_08338.1	558	7511	0	514	553	92 -	3	555	490	1010
UN49024	Rsa1.0_00360.1	1024	91190	1.00E-114	307	332	92 -	629	957	49961	50287
UN49025	Rsa1.0_09446.1	1287	6362	1.00E-135	292	306	95 +	969	1270	2600	2905
UN49026	Rsa1.0_01012.1	517	56836	1.00E-100	189	190	99 -	278	467	39690	39879
UN49027	Rsa1.0_03894.1	828	20207	0	672	698	96 -	127	824	2647	3337
UN49028	Rsa1.0_10067.1	560	6015	1.00E-116	215	216	99 -	1	216	24	239
UN49029	Rsa1.0_00616.1	1127	195713	0	465	469	99 -	1	469	181777	182245
UN49030	Rsa1.0_00135.1	1208	178077	0	461	475	97 -	2	471	19427	19899
UN49031	Rsa1.0_00141.1	648	121494	0	402	421	95 -	2	418	83082	83501
UN49032	Rsa1.0_01740.1	1205	39986	0	457	458	99 -	357	814	13886	14343
UN49033	Rsa1.0_01505.1	903	44382	1.00E-106	257	273	94 +	638	902	38967	39235
UN49034	Rsa1.0_03460.1	1255	22747	0	628	628	100 +	1	628	12270	12897
UN49035	Rsa1.0_05900.1	1258	12295	0	367	368	99 -	3	370	5008	5374
UN49036	Rsa1.0_00163.1	1100	116847	1.00E-159	379	406	93 -	688	1084	25810	26212
UN49037	Rsa1.0_03413.1	1058	23137	0	536	565	94 +	500	1056	8284	8847
UN49038	Rsa1.0_25520.1	826	933	0	346	349	99 -	1	349	298	646
UN49039	Rsa1.0_00203.1	960	109129	0	510	539	94 +	430	959	38881	39419
UN49040	Rsa1.0_07472.1	1328	9306	0	383	399	95 +	861	1257	6661	7059
UN49041	Rsa1.0_00224.1	805	327530	1.00E-74	149	151	98 -	460	610	205947	206097
UN49042	Rsa1.0_02170.1	1042	34352	0	529	539	98 +	510	1040	28526	29064
UN49043	Rsa1.0_05410.1	993	13840	0	484	521	92 +	361	875	5729	6237
UN49044	Rsa1.0_00179.1	1016	393324	0	390	399	97 +	91	488	1	398
UN49045	Rsa1.0_02402.1	1871	31710	0	1342	1346	99 -	1	1346	25296	26640
UN49046	Rsa1.0_00036.1	788	176186	1.00E-165	338	351	96 -	435	784	102452	102802
UN49047	Rsa1.0_00122.1	1440	265937	0	1361	1427	95 -	3	1427	30186	31605
UN49048	Rsa1.0_01430.1	1459	46034	0	1452	1452	100 -	8	1459	39924	41375
UN49049	Rsa1.0_00015.1	1214	561803	0	368	369	99 +	846	1214	264496	264864
UN49050	Rsa1.0_05002.1	1022	15173	1.00E-171	338	345	97 +	8	350	7789	8132
UN49051	Rsa1.0_02048.1	986	35605	0	470	474	99 -	235	708	24818	25291
UN49052	Rsa1.0_04785.1	948	15993	1.00E-164	314	321	97 -	327	647	7584	7904
UN49053	Rsa1.0_00181.1	1197	114269	1.00E-124	303	327	92 -	3	329	103463	103779
UN49054	Rsa1.0_00011.1	720	225044	1.00E-160	334	348	95 -	1	348	207085	207428
UN49055	Rsa1.0_00078.1	668	175053	0	644	692	93 +	1	667	78746	79437
UN49056	Rsa1.0_00413.1	717	86921	1.00E-107	197	197	100 -	80	276	55335	55531
UN49057	Rsa1.0_08787.1	797	6921	1.00E-111	207	208	99 -	6	213	1348	1555
UN49058	Rsa1.0_01613.1	998	182542	7.00E-98	200	205	97 +	2	204	148843	149047
UN49059	Rsa1.0_00336.1	1097	445051	1.00E-129	345	382	90 -	715	1096	161993	162354
UN49060	Rsa1.0_01092.1	1106	54348	1.00E-178	375	392	95 +	716	1106	53690	54080

UN49061	Rsa1.0_00656.1	1077	69968	1.00E-132	266	276	96 -	804	1070	49231	49506
UN49062	Rsa1.0_01156.1	938	52147	1.00E-120	339	378	89 +	580	936	29706	30072
UN49063	Rsa1.0_00910.1	1465	59975	1.00E-174	385	410	93 -	988	1397	49291	49700
UN49064	Rsa1.0_02954.1	727	26485	0	700	734	95 -	1	719	16466	17197
UN49065	Rsa1.0_28844.1	823	801	0	672	693	96 -	2	693	1	693
UN49066	Rsa1.0_00042.1	696	171507	0	465	499	93 -	202	695	143923	144412
UN49067	Rsa1.0_00406.1	1146	87398	1.00E-162	341	358	95 -	73	430	53293	53650
UN49068	Rsa1.0_00706.1	1402	291570	0	406	413	98 +	1	413	26835	27244
UN49069	Rsa1.0_00746.1	805	66044	7.00E-76	154	157	98 +	364	520	21826	21982
UN49070	Rsa1.0_00104.1	1150	368722	0	754	799	94 +	372	1148	201064	201861
UN49071	Rsa1.0_03263.1	943	24268	0	354	363	97 +	66	427	1998	2360
UN49072	Rsa1.0_00237.1	1118	235974	0	383	388	98 -	729	1116	60466	60853
UN49073	Rsa1.0_00111.1	1308	390088	0	553	557	99 +	752	1308	27468	28024
UN49074	#	#	#	#	#	#	#	#	#	#	#
UN49075	Rsa1.0_05146.1	1377	14678	1.00E-143	290	301	96 +	1	295	995	1295
UN49076	Rsa1.0_00907.1	1049	60062	0	522	543	96 +	513	1048	2211	2753
UN49077	Rsa1.0_11285.1	1126	5556	1.00E-163	351	368	95 +	761	1126	3883	4246
UN49078	Rsa1.0_01200.1	841	50895	0	417	430	96 -	331	758	30758	31187
UN49079	Rsa1.0_01941.1	763	37069	1.00E-125	233	235	99 -	528	762	31013	31247
UN49080	Rsa1.0_04235.1	735	18373	0	363	368	98 -	368	735	16353	16720
UN49081	Rsa1.0_00997.1	881	57190	1.00E-136	295	308	95 +	421	727	52204	52506
UN49082	Rsa1.0_00391.1	1138	183853	0	748	764	97 -	86	849	64185	64948
UN49083	Rsa1.0_00642.1	292	201230	9.00E-76	188	202	93 +	94	292	163117	163318
UN49084	Rsa1.0_00080.1	934	190437	0	478	495	96 +	137	631	68420	68914
UN49085	Rsa1.0_01005.1	995	56967	1.00E-173	309	309	100 +	1	309	18895	19203
UN49086	Rsa1.0_01295.1	650	49040	1.00E-172	373	391	95 -	253	641	40227	40616
UN49087	Rsa1.0_00476.1	1430	280966	1.00E-143	288	298	96 -	790	1087	245962	246259
UN49088	Rsa1.0_02874.1	653	27070	0	464	485	95 +	2	486	4876	5357
UN49089	Rsa1.0_01536.1	1066	43747	0	426	458	93 +	1	447	31880	32337
UN49090	Rsa1.0_16915.1	1319	1991	1.00E-102	202	205	98 -	1115	1319	7	209
UN49091	Rsa1.0_18035.1	1169	1685	0	611	634	96 -	537	1167	461	1094
UN49092	Rsa1.0_33317.1	720	681	1.00E-123	359	403	89 +	275	667	1	401
UN49093	Rsa1.0_04402.1	808	17511	1.00E-108	239	251	95 +	558	807	16043	16293
UN49094	Rsa1.0_05262.1	1284	14334	0	771	786	98 +	501	1284	10776	11556
UN49095	Rsa1.0_23719.1	634	1029	0	364	368	98 -	1	368	175	542
UN49096	Rsa1.0_05605.1	752	13202	0	642	665	96 +	1	665	8380	9038
UN49097	Rsa1.0_00130.1	620	125737	0	505	523	96 +	108	620	28245	28765
UN49098	Rsa1.0_01660.1	758	41400	1.00E-150	299	306	97 +	453	757	27246	27550
UN49099	Rsa1.0_01453.1	1391	45449	1.00E-156	336	350	96 -	1044	1391	10576	10921

UN49100	Rsa1.0_00381.1	1398	89718	1.00E-93	226	238	94 +	1163	1398	42028	42262
UN49101	Rsa1.0_00285.1	1190	149638	1.00E-104	236	250	94 +	6	252	95165	95414
UN49102	Rsa1.0_00447.1	1025	84051	4.00E-84	200	213	93 +	810	1022	26801	27010
UN49103	Rsa1.0_08048.1	885	137630	1.00E-163	309	312	99 -	573	884	135358	135667
UN49104	Rsa1.0_04689.1	893	16376	0	872	900	96 +	3	893	15475	16371
UN49105	Rsa1.0_05049.1	1078	15025	1.00E-159	368	397	92 -	682	1078	8827	9209
UN49106	Rsa1.0_00133.1	841	123768	1.00E-128	269	281	95 +	400	680	9256	9536
UN49107	Rsa1.0_00101.1	697	267193	0	671	719	93 -	1	697	89649	90367
UN49108	Rsa1.0_01085.1	805	54539	1.00E-149	310	324	95 -	217	540	13646	13969
UN49109	Rsa1.0_00010.1	1097	294827	0	640	688	93 +	7	691	90164	90830
UN49110	Rsa1.0_01196.1	807	51097	1.00E-107	219	225	97 +	129	352	32613	32837
UN49111	Rsa1.0_00721.1	1253	66918	1.00E-138	392	442	88 -	516	930	918	1359
UN49112	Rsa1.0_00341.1	790	249309	0	551	569	96 -	222	790	207061	207626
UN49113	Rsa1.0_00173.1	970	288743	1.00E-136	261	266	98 +	3	268	109107	109372
UN49114	Rsa1.0_00030.1	751	250988	0	728	751	96 +	1	750	141582	142332
UN49115	Rsa1.0_00059.1	1012	159650	1.00E-175	347	356	97 +	659	1012	24598	24953
UN49116	Rsa1.0_00377.1	1006	90038	0	432	451	95 -	554	1004	79504	79953
UN49117	Rsa1.0_02295.1	887	149884	1.00E-166	305	308	99 -	415	722	138284	138591
UN49118	Rsa1.0_00139.1	1046	357786	1.00E-154	341	359	94 -	3	353	292098	292454
UN49119	Rsa1.0_00081.1	770	143261	2.00E-79	157	159	98 -	158	316	141335	141493
UN49120	Rsa1.0_29830.1	1026	770	1.00E-133	265	273	97 +	621	893	114	386
UN49121	Rsa1.0_03884.1	1102	20274	1.00E-173	398	431	92 +	672	1102	19697	20107
UN49122	Rsa1.0_05161.1	1039	14631	0	368	379	97 -	659	1037	8320	8695
UN49123	Rsa1.0_00097.1	938	138858	0	421	421	100 +	306	726	116669	117089
UN49124	Rsa1.0_00048.1	1185	167185	1.00E-165	345	362	95 +	3	364	96417	96772
UN49125	Rsa1.0_02435.1	860	31454	0	462	468	98 +	393	860	17703	18169
UN49126	Rsa1.0_00457.1	1059	337301	1.00E-139	254	255	99 -	803	1057	288157	288411
UN49127	Rsa1.0_07591.1	849	9060	0	792	833	95 -	1	824	1287	2110
UN49128	Rsa1.0_01006.1	1168	163670	0	544	556	97 -	1	556	136690	137243
UN49129	Rsa1.0_14656.1	989	3183	1.00E-154	313	324	96 +	3	325	1318	1641
UN49130	Rsa1.0_23843.1	836	1022	0	656	683	96 +	152	833	1	675
UN49131	Rsa1.0_01958.1	1121	261128	6.00E-80	252	286	88 -	843	1116	111069	111349
UN49132	Rsa1.0_00157.1	845	245832	3.00E-44	98	100	98 -	405	504	136230	136329
UN49133	Rsa1.0_00053.1	1326	263459	1.00E-180	396	417	94 +	11	425	32036	32451
UN49134	Rsa1.0_00747.1	777	66030	0	692	702	98 -	3	704	35999	36700
UN49135	Rsa1.0_00078.1	757	175053	4.00E-71	140	141	99 -	61	201	141561	141701
UN49136	Rsa1.0_00991.1	1234	143101	0	717	724	99 -	1	724	126314	127037
UN49137	Rsa1.0_00008.1	706	358124	1.00E-162	336	352	95 +	360	705	73510	73861
UN49138	Rsa1.0_01679.1	1313	146876	1.00E-123	243	248	97 -	1068	1313	135000	135247

UN49139	Rsa1.0.00522.1	883	78103	0	697	741	94 -	3	740	51939	52664
UN49140	Rsa1.0.05449.1	798	13711	3.00E-84	162	163	99 +	266	428	13484	13646
UN49141	Rsa1.0.00059.1	726	159650	2.00E-79	207	225	92 -	7	231	133120	133341
UN49142	Rsa1.0.00960.1	975	58199	1.00E-154	315	324	97 +	651	973	29999	30320
UN49143	Rsa1.0.02841.1	1111	27383	1.00E-169	301	301	100 +	811	1111	5500	5800
UN49144	Rsa1.0.02616.1	755	29542	0	499	515	96 +	237	750	23314	23828
UN49145	Rsa1.0.00050.1	882	237174	1.00E-141	317	333	95 +	1	328	133651	133982
UN49146	Rsa1.0.03517.1	809	22337	0	793	830	95 +	1	809	2947	3775
UN49147	Rsa1.0.15089.1	830	2840	1.00E-135	307	325	94 -	8	330	661	981
UN49148	Rsa1.0.08551.1	1139	7210	0	1102	1137	96 -	4	1139	412	1548
UN49149	Rsa1.0.00111.1	761	390088	1.00E-164	398	431	92 +	1	416	32708	33134
UN49150	Rsa1.0.00110.1	1120	132719	1.00E-112	257	272	94 +	656	924	4280	4550
UN49151	Rsa1.0.01709.1	1040	40587	1.00E-172	380	403	94 +	2	404	9642	10043
UN49152	Rsa1.0.00457.1	796	337301	0	765	796	96 +	2	789	176315	177110
UN49153	Rsa1.0.00319.1	777	167331	0	432	438	98 +	277	714	40597	41034
UN49154	Rsa1.0.00017.1	705	752458	2.00E-79	154	155	99 +	91	245	290301	290455
UN49155	Rsa1.0.50018.1	999	454	1.00E-99	203	209	97 -	5	213	99	307
UN49156	Rsa1.0.01505.1	730	44382	1.00E-143	257	257	100 +	271	527	6978	7234
UN49157	Rsa1.0.00024.1	868	188018	1.00E-120	223	224	99 -	380	603	77252	77475
UN49158	Rsa1.0.00407.1	1305	191544	0	455	466	97 +	483	945	166770	167235
UN49159	Rsa1.0.00746.1	809	66044	1.00E-172	312	314	99 +	1	314	63301	63614
UN49160	Rsa1.0.03702.1	1067	21292	1.00E-135	303	323	93 -	1	317	13587	13909
UN49161	Rsa1.0.01566.1	996	43134	0	367	379	96 +	1	378	33301	33678
UN49162	Rsa1.0.01170.1	1050	161131	1.00E-120	244	252	96 -	3	254	10604	10855
UN49163	Rsa1.0.05324.1	1464	14145	0	463	465	99 -	995	1459	1128	1592
UN49164	Rsa1.0.02209.1	1101	33873	1.00E-150	349	377	92 +	1	374	26593	26957
UN49165	Rsa1.0.54426.1	975	419	1.00E-142	282	289	97 +	688	975	1	289
UN49166	Rsa1.0.00067.1	692	415055	1.00E-116	294	317	92 +	1	314	78576	78877
UN49167	Rsa1.0.00141.1	890	121494	0	459	481	95 -	409	889	82235	82714
UN49168	Rsa1.0.00439.1	1167	142776	1.00E-170	331	340	97 +	399	738	63119	63458
UN49169	Rsa1.0.00687.1	904	68494	8.00E-85	160	160	100 -	268	427	3690	3849
UN49170	Rsa1.0.00119.1	1314	467509	0	337	338	99 +	977	1314	302973	303310
UN49171	Rsa1.0.00011.1	789	225044	6.00E-64	138	141	97 -	66	206	51953	52092
UN49172	Rsa1.0.00033.1	1068	515811	0	442	443	99 -	212	654	146527	146969
UN49173	Rsa1.0.00497.1	1186	79830	0	665	718	92 -	3	716	73170	73880
UN49174	Rsa1.0.25205.1	531	947	0	340	341	99 -	1	341	435	775
UN49175	Rsa1.0.00204.1	785	109056	2.00E-91	207	219	94 -	176	394	52555	52773
UN49176	Rsa1.0.00039.1	998	296927	1.00E-105	253	269	94 -	732	995	210820	211088
UN49177	Rsa1.0.16857.1	1192	2010	1.00E-124	232	234	99 +	34	267	1585	1818

UN49178	Rsa1.0.06492.1	1092	10913	0	494	518	95 +	5	522	6239	6745
UN49179	Rsa1.0.01688.1	907	40965	1.00E-157	290	293	98 +	615	907	36521	36813
UN49180	Rsa1.0.00032.1	869	306326	1.00E-125	265	274	96 +	598	869	279058	279329
UN49181	Rsa1.0.00736.1	954	66455	0	846	906	93 -	1	903	50684	51587
UN49182	Rsa1.0.02955.1	1065	26484	0	386	394	97 -	378	771	8	401
UN49183	Rsa1.0.00048.1	1006	167185	0	597	605	98 -	405	1006	7215	7818
UN49184	Rsa1.0.01968.1	820	36654	1.00E-115	255	269	94 +	364	629	17546	17814
UN49185	Rsa1.0.07908.1	588	8319	3.00E-71	153	157	97 +	11	166	7602	7758
UN49186	Rsa1.0.02375.1	1160	32026	0	813	835	97 +	325	1159	29000	29834
UN49187	Rsa1.0.04123.1	702	18947	0	657	701	93 +	4	702	11871	12550
UN49188	Rsa1.0.00611.1	852	72410	0	821	853	96 -	3	852	15015	15859
UN49189	Rsa1.0.00470.1	733	81968	1.00E-177	415	447	92 +	1	447	27934	28369
UN49190	Rsa1.0.00512.1	786	200277	1.00E-108	200	200	100 -	3	202	191224	191423
UN49191	Rsa1.0.00341.1	1302	249309	0	523	539	97 -	764	1302	22888	23414
UN49192	Rsa1.0.00223.1	906	106231	1.00E-165	359	376	95 +	3	371	39783	40154
UN49193	Rsa1.0.00224.1	1004	327530	1.00E-103	201	203	99 -	1	202	38574	38776
UN49194	Rsa1.0.00697.1	848	67913	0	823	852	96 +	1	846	47732	48583
UN49195	Rsa1.0.00442.1	1122	84596	1.00E-103	203	207	98 -	631	837	51424	51630
UN49196	Rsa1.0.05704.1	914	12883	0	553	577	95 -	284	860	2560	3136
UN49197	Rsa1.0.00225.1	907	105892	0	329	329	100 +	81	409	53905	54233
UN49198	Rsa1.0.00034.1	997	260119	1.00E-172	334	343	97 -	659	997	238991	239333
UN49199	Rsa1.0.09061.1	1042	6678	1.00E-130	294	312	94 -	742	1042	319	630
UN49200	Rsa1.0.00154.1	755	189461	0	542	569	95 -	1	566	171029	171589
UN49201	Rsa1.0.01340.1	718	47805	1.00E-125	236	239	98 -	425	663	25094	25332
UN49202	Rsa1.0.00340.1	1057	305782	0	348	348	100 -	710	1057	194306	194653
UN49203	Rsa1.0.00111.1	1096	390088	0	407	416	97 -	680	1093	197794	198208
UN49204	Rsa1.0.04073.1	830	19238	8.00E-91	222	238	93 -	13	249	13359	13596
UN49205	Rsa1.0.00316.1	993	96264	0	502	522	96 +	1	519	57293	57814
UN49206	Rsa1.0.00094.1	1297	139042	0	609	634	96 +	132	759	90319	90949
UN49207	Rsa1.0.02662.1	288	28956	3.00E-26	70	73	95 +	216	288	10660	10732
UN49208	Rsa1.0.02176.1	1045	34291	0	505	513	98 -	1	513	2195	2706
UN49209	Rsa1.0.00127.1	955	127446	1.00E-118	280	297	94 +	665	954	37712	38008
UN49210	Rsa1.0.05217.1	1063	142938	0	433	443	97 +	461	900	130269	130711
UN49211	Rsa1.0.00288.1	900	98659	1.00E-108	206	208	99 +	378	585	52056	52263
UN49212	Rsa1.0.02513.1	1004	30643	0	531	553	96 +	458	1002	29577	30129
UN49213	Rsa1.0.00015.1	952	561803	0	400	420	95 -	1	416	526505	526922
UN49214	Rsa1.0.03344.1	789	23593	0	764	787	97 +	2	787	15104	15887
UN49215	Rsa1.0.00163.1	901	116847	1.00E-132	252	256	98 +	407	662	11140	11395
UN49216	Rsa1.0.00642.1	1017	201230	0	993	1017	97 +	2	1017	154559	155575

UN49217	Rsa1.0_10294.1	905	5901	0	384	384	100 -	1	384	963	1346
UN49218	Rsa1.0_04368.1	985	17714	1.00E-156	311	323	96 +	3	316	14857	15179
UN49219	Rsa1.0_04670.1	1050	16453	0	564	566	99 -	183	748	5440	6005
UN49220	Rsa1.0_00285.1	1110	149638	1.00E-133	244	245	99 -	866	1110	80883	81127
UN49221	Rsa1.0_00784.1	1088	64359	0	432	457	94 +	1	455	7564	8009
UN49222	Rsa1.0_00251.1	463	303968	6.00E-75	197	213	92 +	18	222	121010	121221
UN49223	Rsa1.0_00193.1	1382	194198	0	431	441	97 +	530	970	98615	99055
UN49224	Rsa1.0_00110.1	1064	132719	1.00E-100	207	214	96 +	657	870	4280	4493
UN49225	Rsa1.0_00115.1	671	131321	3.00E-93	307	351	87 -	3	341	54113	54451
UN49226	Rsa1.0_00217.1	921	107079	1.00E-131	286	302	94 +	619	920	60711	61012
UN49227	Rsa1.0_01249.1	479	188432	2.00E-71	152	157	96 -	1	157	176676	176832
UN49228	Rsa1.0_00638.1	985	71037	1.00E-129	265	275	96 +	326	600	9032	9306
UN49229	Rsa1.0_01541.1	836	43682	1.00E-135	248	249	99 +	3	251	23028	23276
UN49230	Rsa1.0_04282.1	628	18100	0	415	430	96 -	1	430	17329	17754
UN49231	Rsa1.0_01435.1	1416	45942	0	554	555	99 +	862	1416	41020	41574
UN49232	Rsa1.0_00234.1	789	197060	0	651	651	100 -	1	651	71549	72199
UN49233	Rsa1.0_00075.1	798	146680	1.00E-113	284	308	92 -	3	308	26868	27161
UN49234	Rsa1.0_00211.1	872	228189	0	600	600	100 -	84	683	8747	9346
UN49235	Rsa1.0_00303.1	762	97468	0	380	380	100 +	1	380	42805	43184
UN49236	Rsa1.0_00917.1	1474	182012	0	629	661	95 +	577	1235	154788	155438
UN49237	Rsa1.0_00464.1	806	82253	1.00E-103	197	199	98 -	226	424	15401	15599
UN49238	Rsa1.0_00078.1	742	175053	0	726	760	95 +	4	742	3934	4693
UN49239	Rsa1.0_01112.1	1035	310601	9.00E-79	243	273	89 +	699	969	176919	177171
UN49240	Rsa1.0_08401.1	797	7418	0	448	474	94 -	40	513	204	677
UN49241	Rsa1.0_03184.1	665	24750	4.00E-55	193	219	88 +	3	221	19651	19859
UN49242	Rsa1.0_00026.1	814	327835	2.00E-97	249	271	91 -	541	801	191635	191902
UN49243	Rsa1.0_02675.1	445	28852	2.00E-74	142	142	100 +	179	320	17929	18070
UN49244	Rsa1.0_00079.1	760	606987	1.00E-116	222	225	98 -	133	357	22253	22477
UN49245	Rsa1.0_00152.1	841	257730	0	734	784	93 -	3	767	202057	202828
UN49246	Rsa1.0_00712.1	714	67217	0	423	441	95 +	276	714	18093	18532
UN49247	Rsa1.0_00596.1	938	73578	1.00E-83	168	170	98 +	1	169	9144	9313
UN49248	Rsa1.0_01101.1	625	54031	7.00E-66	173	188	92 -	396	583	23747	23934
UN49249	Rsa1.0_02196.1	918	34005	0	598	626	95 -	275	884	23551	24175
UN49250	Rsa1.0_00423.1	280	86138	8.00E-73	226	247	91 -	37	279	10876	11115
UN49251	Rsa1.0_02841.1	1133	27383	6.00E-46	104	107	97 +	296	402	3289	3395
UN49252	Rsa1.0_00115.1	825	131321	3.00E-81	177	184	96 +	525	705	36126	36309
UN49253	Rsa1.0_00370.1	878	90472	0	399	421	94 -	355	770	4877	5296
UN49254	Rsa1.0_01461.1	728	45240	0	728	729	99 +	1	728	27346	28074
UN49255	Rsa1.0_00341.1	683	249309	4.00E-80	158	160	98 -	478	637	126668	126827

UN49256	Rsa1.0.00360.1	1103	91190	0	394	413	95 +	10	416	43709	44119
UN49257	Rsa1.0.00748.1	983	65983	0	445	453	98 -	1	451	34880	35330
UN49258	Rsa1.0.00251.1	1284	303968	1.00E-150	340	366	92 -	3	350	144100	144465
UN49259	Rsa1.0.00002.1	1075	601661	1.00E-135	351	385	91 -	694	1072	264132	264507
UN49260	Rsa1.0.07848.1	669	8429	0	410	426	96 -	251	669	2381	2806
UN49261	Rsa1.0.03668.1	740	21483	0	374	385	97 +	2	386	1621	2005
UN49262	Rsa1.0.00296.1	1134	97854	0	506	526	96 -	7	531	17737	18260
UN49263	Rsa1.0.00002.1	492	601661	1.00E-122	244	251	97 +	242	492	289356	289606
UN49264	Rsa1.0.05546.1	1102	13379	1.00E-148	294	303	97 -	428	730	7592	7894
UN49265	Rsa1.0.14739.1	1153	3113	0	749	800	93 +	3	797	2324	3113
UN49266	Rsa1.0.01196.1	813	51097	1.00E-126	236	238	99 +	414	651	26455	26692
UN49267	Rsa1.0.01104.1	472	285480	6.00E-69	136	137	99 +	20	156	2638	2774
UN49268	Rsa1.0.00059.1	707	159650	1.00E-112	235	245	95 -	458	702	147721	147965
UN49269	Rsa1.0.00336.1	928	445051	2.00E-88	184	190	96 -	90	279	163125	163314
UN49270	Rsa1.0.00454.1	1052	216970	3.00E-75	169	176	96 -	876	1051	21258	21432
UN49271	Rsa1.0.00237.1	832	235974	1.00E-168	395	426	92 -	14	423	225556	225980
UN49272	Rsa1.0.07208.1	1137	9719	0	611	637	95 +	1	637	7729	8364
UN49273	Rsa1.0.00609.1	816	72785	1.00E-150	320	335	95 +	406	736	69756	70090
UN49274	Rsa1.0.00017.1	715	752458	1.00E-125	243	247	98 -	3	249	73955	74200
UN49275	Rsa1.0.00078.1	793	175053	0	784	793	98 +	1	793	78753	79545
UN49276	Rsa1.0.00855.1	789	62047	1.00E-122	295	320	92 +	60	377	15748	16051
UN49277	Rsa1.0.00022.1	846	200461	0	464	486	95 -	365	846	86019	86504
UN49278	Rsa1.0.00568.1	932	75219	1.00E-179	427	460	92 -	454	912	3692	4142
UN49279	Rsa1.0.01349.1	896	47513	1.00E-176	319	321	99 -	576	896	45126	45446
UN49280	Rsa1.0.03728.1	776	21147	1.00E-77	163	168	97 -	524	691	1684	1851
UN49281	Rsa1.0.19408.1	873	1436	1.00E-144	263	264	99 +	610	873	391	654
UN49282	Rsa1.0.01512.1	787	44234	1.00E-174	333	341	97 -	2	342	9997	10337
UN49283	Rsa1.0.00137.1	1552	122457	0	1212	1227	98 +	133	1359	25595	26821
UN49284	Rsa1.0.00722.1	611	66840	0	591	610	96 -	1	610	51059	51668
UN49285	Rsa1.0.00018.1	881	410899	4.00E-96	191	195	97 +	80	274	70314	70508
UN49286	Rsa1.0.00087.1	750	761073	6.00E-67	150	154	97 -	593	744	300820	300973
UN49287	Rsa1.0.02753.1	623	28215	0	591	631	93 +	1	621	8109	8728
UN49288	Rsa1.0.14624.1	908	3217	1.00E-104	282	309	91 +	605	906	1334	1632
UN49289	Rsa1.0.00147.1	721	249503	0	689	721	95 -	1	718	241232	241947
UN49290	Rsa1.0.01146.1	764	163455	1.00E-103	231	242	95 +	2	242	20553	20793
UN49291	Rsa1.0.00009.1	955	232558	0	594	628	94 -	1	626	138504	139121
UN49292	Rsa1.0.00253.1	731	231292	0	431	455	94 +	3	454	79532	79984
UN49293	Rsa1.0.00684.1	601	141701	3.00E-77	176	185	95 -	3	187	24722	24898
UN49294	Rsa1.0.04355.1	930	146733	0	714	731	97 -	199	929	8711	9440

UN49295	Rsa1.0.00087.1	727	761073	2.00E-82	189	197	95 -	1	194	314989	315182
UN49296	Rsa1.0.01090.1	537	54385	0	522	543	96 -	2	536	45315	45856
UN49297	Rsa1.0.06751.1	518	10417	1.00E-110	278	297	93 -	2	298	9247	9532
UN49298	Rsa1.0.01233.1	834	50184	0	763	810	94 +	1	798	23564	24364
UN49299	Rsa1.0.02017.1	624	35999	1.00E-134	258	262	98 -	47	308	34477	34737
UN49300	Rsa1.0.01172.1	777	51734	1.00E-132	292	306	95 -	2	306	9538	9839
UN49301	Rsa1.0.00314.1	282	96472	5.00E-99	229	245	93 -	1	245	56253	56490
UN49302	Rsa1.0.00211.1	1026	228189	0	561	608	92 -	436	1024	179317	179912
UN49303	Rsa1.0.01389.1	722	46716	1.00E-67	155	163	95 +	41	203	15128	15290
UN49304	Rsa1.0.21497.1	861	1197	0	734	813	90 +	55	860	162	967
UN49305	Rsa1.0.03594.1	521	21868	0	502	521	96 +	2	521	14530	15048
UN49306	Rsa1.0.00179.1	634	393324	1.00E-116	223	225	99 -	86	309	248844	249068
UN49307	Rsa1.0.00113.1	831	131574	0	517	538	96 +	1	535	13053	13590
UN49308	Rsa1.0.00734.1	1022	66508	8.00E-70	192	209	91 -	1	208	15869	16069
UN49309	Rsa1.0.00528.1	816	164755	0	527	539	97 -	198	736	109483	110021
UN49310	Rsa1.0.00014.1	486	348985	1.00E-179	369	385	95 -	3	387	298418	298801
UN49311	Rsa1.0.01090.1	795	54385	1.00E-179	380	401	94 -	392	792	3232	3626
UN49312	Rsa1.0.00339.1	894	222974	2.00E-82	159	160	99 +	649	808	63385	63544
UN49313	Rsa1.0.00159.1	748	431686	1.00E-83	285	323	88 -	13	320	325900	326215
UN49314	Rsa1.0.00944.1	785	58733	1.00E-151	283	287	98 +	386	672	41834	42120
UN49315	Rsa1.0.01895.1	910	37512	1.00E-161	359	382	93 -	1	379	10216	10597
UN49316	Rsa1.0.02608.1	691	29613	1.00E-79	233	257	90 +	1	250	24663	24911
UN49317	Rsa1.0.00545.1	764	189649	1.00E-140	295	307	96 -	6	310	2122	2427
UN49318	Rsa1.0.00273.1	675	326186	1.00E-113	277	298	92 +	1	292	307789	308084
UN49319	Rsa1.0.01861.1	857	38031	1.00E-161	441	489	90 -	146	623	32206	32689
UN49320	Rsa1.0.06113.1	1000	11721	0	864	900	96 -	1	898	277	1175
UN49321	Rsa1.0.03759.1	743	20987	1.00E-178	345	353	97 +	2	353	15445	15797
UN49322	Rsa1.0.00105.1	1054	134138	0	482	510	94 -	1	503	81215	81721
UN49323	Rsa1.0.00895.1	372	60615	1.00E-114	306	333	91 -	2	332	39714	40044
UN49324	Rsa1.0.00115.1	830	131321	2.00E-82	162	164	98 -	150	313	36126	36289
UN49325	Rsa1.0.01484.1	848	44806	8.00E-82	206	223	92 +	1	211	14353	14572
UN49326	Rsa1.0.02322.1	1210	32555	0	381	389	97 -	70	458	6211	6598
UN49327	Rsa1.0.00066.1	1290	152418	0	615	647	95 -	40	684	112082	112719
UN49328	Rsa1.0.00608.1	700	172672	1.00E-110	245	257	95 -	18	271	118055	118311
UN49329	Rsa1.0.00306.1	961	146760	0	440	450	97 +	360	806	133202	133651
UN49330	Rsa1.0.00329.1	516	222544	1.00E-125	293	308	95 +	9	309	79575	79880
UN49331	Rsa1.0.02212.1	1002	33840	2.00E-98	195	199	97 -	360	558	18942	19140
UN49332	Rsa1.0.00789.1	838	64233	0	452	454	99 -	1	453	34606	35059
UN49333	Rsa1.0.05081.1	764	136103	1.00E-144	309	325	95 -	443	764	4250	4574

UN49334	Rsa1.0.00699.1	888	184398	0	492	498	98 +	333	829	56178	56675
UN49335	Rsa1.0.00568.1	736	75219	1.00E-178	325	328	99 -	1	328	60248	60575
UN49336	Rsa1.0.00674.1	760	193753	1.00E-113	220	223	98 +	124	345	180927	181149
UN49337	Rsa1.0.00772.1	644	64856	0	370	380	97 +	3	382	47066	47445
UN49338	Rsa1.0.00121.1	1224	278029	0	426	440	96 +	552	991	44291	44727
UN49339	Rsa1.0.00188.1	715	112020	1.00E-176	313	313	100 +	403	715	47540	47852
UN49340	Rsa1.0.17409.1	1233	1837	0	1190	1235	96 +	1	1233	136	1355
UN49341	Rsa1.0.00409.1	1013	146788	0	556	559	99 -	453	1011	86809	87367
UN49342	Rsa1.0.02663.1	992	169243	0	362	365	99 +	3	367	26583	26947
UN49343	Rsa1.0.00149.1	605	305196	0	353	356	99 -	1	356	102071	102426
UN49344	Rsa1.0.00515.1	609	78417	1.00E-160	374	401	93 -	1	399	59585	59969
UN49345	Rsa1.0.04626.1	731	16611	0	404	408	99 -	1	406	15005	15412
UN49346	Rsa1.0.00185.1	1010	248445	0	1003	1011	99 -	1	1010	204401	205411
UN49347	Rsa1.0.01724.1	758	40292	1.00E-107	223	230	96 +	232	460	614	843
UN49348	Rsa1.0.01349.1	815	47513	0	340	341	99 +	2	342	45106	45446
UN49349	Rsa1.0.01220.1	479	161775	2.00E-99	190	192	98 -	288	479	30848	31039
UN49350	Rsa1.0.03565.1	1223	22062	1.00E-178	364	381	95 +	822	1193	3775	4155
UN49351	Rsa1.0.03971.1	688	19788	1.00E-147	316	329	96 -	1	329	3924	4249
UN49352	Rsa1.0.02478.1	1030	150183	0	359	368	97 -	1	366	136567	136934
UN49353	Rsa1.0.05546.1	1055	13379	1.00E-129	305	330	92 -	1	330	5177	5496
UN49354	Rsa1.0.00196.1	869	109960	0	430	451	95 +	431	866	19288	19738
UN49355	Rsa1.0.00253.1	1021	231292	0	433	446	97 +	14	458	204516	204960
UN49356	Rsa1.0.00012.1	950	222148	0	925	957	96 -	3	950	110337	111284
UN49357	Rsa1.0.01002.1	737	57063	0	635	655	96 +	80	732	17438	18092
UN49358	Rsa1.0.00016.1	869	831256	0	459	477	96 +	2	478	426933	427401
UN49359	Rsa1.0.01313.1	1258	48387	1.00E-104	214	221	96 +	945	1165	19753	19973
UN49360	Rsa1.0.00141.1	844	121494	0	414	431	96 +	82	512	82285	82714
UN49361	Rsa1.0.00608.1	934	172672	0	638	654	97 -	205	858	120841	121493
UN49362	Rsa1.0.16086.1	884	2289	1.00E-104	201	204	98 -	1	204	1078	1281
UN49363	Rsa1.0.00108.1	673	478491	1.00E-129	320	342	93 -	1	340	270627	270965
UN49364	Rsa1.0.00018.1	846	410899	1.00E-138	262	265	98 -	1	263	262610	262874
UN49365	Rsa1.0.00437.1	1019	84879	0	433	445	97 -	13	456	50586	51028
UN49366	Rsa1.0.03422.1	811	23076	1.00E-178	319	320	99 -	2	321	8624	8943
UN49367	Rsa1.0.03216.1	795	24540	1.00E-158	316	327	96 +	6	332	23281	23607
UN49368	Rsa1.0.00131.1	915	432233	1.00E-135	248	249	99 +	660	908	409494	409742
UN49369	Rsa1.0.14203.1	1378	3670	0	549	579	94 -	430	1008	1903	2469
UN49370	Rsa1.0.04242.1	704	18340	0	692	696	99 -	9	704	14723	15418
UN49371	Rsa1.0.02052.1	805	35555	0	763	775	98 +	1	775	440	1213
UN49372	Rsa1.0.05702.1	691	12884	1.00E-46	102	104	98 -	87	190	521	624

UN49373	Rsa1.0.00890.1	529	323870	0	484	526	92 +	1	525	176030	176550
UN49374	Rsa1.0.00055.1	705	520193	1.00E-134	242	242	100 +	1	242	333970	334211
UN49375	Rsa1.0.00711.1	830	67223	1.00E-105	270	282	95 -	542	812	6640	6921
UN49376	Rsa1.0.00170.1	936	179538	0	564	582	96 +	357	936	22984	23564
UN49377	Rsa1.0.09255.1	1091	6525	0	1046	1105	94 -	1	1089	940	2039
UN49378	Rsa1.0.20105.1	1132	1340	0	454	468	97 -	3	469	457	923
UN49379	Rsa1.0.00040.1	561	324196	0	527	547	96 +	4	550	163975	164521
UN49380	Rsa1.0.19807.1	812	1380	1.00E-134	293	307	95 +	1	307	400	700
UN49381	Rsa1.0.07219.1	931	9702	0	445	450	98 -	1	448	1740	2189
UN49382	Rsa1.0.02820.1	411	27629	1.00E-136	386	426	90 -	2	403	19452	19876
UN49383	Rsa1.0.02040.1	1061	35684	1.00E-114	225	230	97 -	298	527	15056	15285
UN49384	Rsa1.0.02099.1	688	35030	5.00E-98	333	373	89 -	280	636	29839	30208
UN49385	Rsa1.0.00051.1	698	258225	1.00E-149	350	376	93 +	62	434	62989	63361
UN49386	Rsa1.0.04223.1	867	18407	1.00E-162	370	394	93 -	1	387	6198	6591
UN49387	Rsa1.0.31664.1	650	722	1.00E-101	200	204	98 -	388	591	514	717
UN49388	Rsa1.0.01581.1	1392	42833	0	562	581	96 -	1	578	1828	2408
UN49389	Rsa1.0.00519.1	869	197864	0	415	424	97 -	450	867	191658	192080
UN49390	Rsa1.0.02275.1	765	33107	1.00E-172	382	405	94 -	23	418	30103	30507
UN49391	Rsa1.0.00005.1	1361	353093	1.00E-145	286	294	97 -	907	1200	129278	129571
UN49392	Rsa1.0.02645.1	1022	29158	0	940	977	96 +	3	979	17443	18408
UN49393	Rsa1.0.00923.1	855	153678	0	668	708	94 +	158	855	45727	46432
UN49394	Rsa1.0.00761.1	1151	65133	0	923	948	97 -	43	972	12489	13435
UN49395	Rsa1.0.00741.1	1161	66117	1.00E-119	234	238	98 -	924	1160	46373	46610
UN49396	Rsa1.0.01638.1	671	41857	1.00E-113	248	263	94 +	3	256	35227	35489
UN49397	Rsa1.0.00040.1	801	324196	0	653	701	93 -	113	801	296578	297259
UN49398	Rsa1.0.10478.1	982	5832	1.00E-102	216	222	97 +	761	981	5140	5360
UN49399	Rsa1.0.00356.1	935	91521	0	483	510	94 +	414	918	34979	35485
UN49400	Rsa1.0.02110.1	892	34919	0	854	915	93 +	2	892	22650	23553
UN49401	Rsa1.0.02222.1	999	152798	1.00E-136	255	258	98 -	1	258	23940	24197
UN49402	Rsa1.0.01326.1	1128	48072	0	517	571	90 -	37	570	44650	45217
UN49403	Rsa1.0.00108.1	690	478491	1.00E-138	318	337	94 +	349	683	270627	270962
UN49404	Rsa1.0.02358.1	1130	32213	0	624	655	95 -	496	1130	7170	7824
UN49405	Rsa1.0.01457.1	1372	45337	1.00E-132	263	270	97 -	923	1192	6330	6596
UN49406	Rsa1.0.00248.1	1177	163568	3.00E-85	196	208	94 +	53	254	52499	52706
UN49407	Rsa1.0.00013.1	978	292129	0	836	856	97 +	61	913	105190	106043
UN49408	Rsa1.0.00575.1	1133	74791	1.00E-122	339	377	89 +	35	409	58683	59033
UN49409	Rsa1.0.00655.1	870	195840	0	327	327	100 +	1	327	166422	166748
UN49410	Rsa1.0.02282.1	1058	163951	1.00E-117	381	432	88 +	1	430	162848	163275
UN49411	Rsa1.0.02858.1	806	27246	9.00E-97	183	184	99 +	58	241	1	184

UN49412	Rsa1.0.01540.1	1158	151890	7.00E-92	208	220	94 +	768	987	129408	129627
UN49413	Rsa1.0.00512.1	797	200277	1.00E-141	302	316	95 +	3	316	18491	18804
UN49414	Rsa1.0.02666.1	760	28915	1.00E-128	247	252	98 -	216	467	24244	24495
UN49415	Rsa1.0.02023.1	797	35922	0	743	796	93 -	1	796	33595	34389
UN49416	Rsa1.0.02020.1	874	173211	0	337	338	99 -	1	338	172619	172956
UN49417	Rsa1.0.00034.1	1045	260119	1.00E-158	295	299	98 -	690	988	7301	7599
UN49418	Rsa1.0.01440.1	473	45807	0	358	361	99 +	1	359	6031	6391
UN49419	Rsa1.0.04943.1	678	15376	0	663	679	97 +	1	676	6036	6712
UN49420	Rsa1.0.07811.1	1092	8496	0	535	574	93 -	3	570	1308	1863
UN49421	Rsa1.0.04085.1	740	19168	0	517	548	94 -	5	543	755	1297
UN49422	Rsa1.0.02076.1	869	153121	0	449	452	99 +	3	454	14597	15048
UN49423	Rsa1.0.00497.1	837	79830	0	492	503	97 +	285	787	62413	62915
UN49424	Rsa1.0.03608.1	1056	21804	0	514	558	92 +	2	538	924	1478
UN49425	Rsa1.0.00205.1	1149	193401	1.00E-170	315	319	98 +	831	1149	1291	1609
UN49426	Rsa1.0.02395.1	756	31785	1.00E-165	361	383	94 -	3	370	8334	8716
UN49427	Rsa1.0.00111.1	1279	390088	1.00E-108	253	267	94 -	1	265	139480	139745
UN49428	Rsa1.0.00089.1	977	406142	1.00E-104	220	227	96 -	1	223	342938	343164
UN49429	Rsa1.0.01305.1	1213	48730	0	488	503	97 +	445	947	18860	19362
UN49430	Rsa1.0.02343.1	491	32374	1.00E-110	234	243	96 -	249	490	1010	1252
UN49431	Rsa1.0.07021.1	1076	10016	1.00E-172	328	334	98 +	356	688	7093	7426
UN49432	Rsa1.0.00648.1	1074	70351	1.00E-173	349	361	96 +	91	445	12145	12505
UN49433	Rsa1.0.03306.1	712	23873	0	404	428	94 -	10	437	12625	13045
UN49434	Rsa1.0.02085.1	1101	35198	1.00E-104	237	253	93 +	36	279	15845	16097
UN49435	Rsa1.0.00207.1	637	248736	0	560	580	96 +	3	579	194258	194836
UN49436	Rsa1.0.00108.1	902	478491	1.00E-147	325	341	95 +	1	340	450999	451332
UN49437	Rsa1.0.00001.1	803	363028	1.00E-178	326	329	99 +	196	524	323550	323878
UN49438	Rsa1.0.02600.1	707	29657	0	493	523	94 -	1	513	27845	28363
UN49439	Rsa1.0.01355.1	727	47303	0	552	585	94 -	144	722	39409	39993
UN49440	Rsa1.0.01701.1	919	162121	0	503	518	97 +	401	918	30943	31460
UN49441	Rsa1.0.01283.1	1160	49257	0	402	412	97 +	747	1158	7067	7478
UN49442	Rsa1.0.00065.1	1086	454616	0	685	723	94 +	1	708	150650	151371
UN49443	Rsa1.0.14302.1	650	3558	1.00E-130	290	309	93 -	340	648	843	1138
UN49444	Rsa1.0.08027.1	854	8058	0	481	504	95 -	6	507	6887	7388
UN49445	Rsa1.0.00243.1	1237	103651	0	1189	1244	95 -	1	1237	85906	87136
UN49446	Rsa1.0.00133.1	864	123768	1.00E-150	299	309	96 +	437	745	11639	11947
UN49447	Rsa1.0.02113.1	830	34890	0	776	817	94 -	11	827	22694	23509
UN49448	Rsa1.0.01514.1	855	44222	0	364	365	99 +	1	365	23179	23543
UN49449	Rsa1.0.01278.1	1056	49370	0	373	374	99 +	1	374	19392	19765
UN49450	Rsa1.0.01387.1	728	46745	1.00E-177	327	330	99 +	253	582	39359	39687

UN49451	Rsa1.0.01827.1	1164	143321	1.00E-128	320	345	92 +	16	357	130946	131280
UN49452	Rsa1.0.01196.1	907	51097	0	431	435	99 +	3	437	14165	14597
UN49453	Rsa1.0.04124.1	1547	18945	0	374	377	99 +	1171	1545	8363	8739
UN49454	Rsa1.0.30057.1	482	764	0	363	375	96 +	105	479	222	595
UN49455	Rsa1.0.09817.1	418	6137	0	407	417	97 -	2	418	5606	6019
UN49456	Rsa1.0.09538.1	869	6301	1.00E-114	252	270	93 +	1	254	2162	2431
UN49457	Rsa1.0.00336.1	1020	445051	0	564	628	89 -	347	958	25324	25940
UN49458	Rsa1.0.01727.1	1078	40243	0	391	398	98 +	1	398	11119	11516
UN49459	Rsa1.0.02020.1	1061	173211	0	547	549	99 -	511	1059	153367	153915
UN49460	Rsa1.0.13514.1	1057	4757	0	703	722	97 -	26	747	836	1553
UN49461	Rsa1.0.10862.1	478	5698	3.00E-55	182	206	88 -	219	424	4742	4947
UN49462	Rsa1.0.04377.1	945	17658	0	660	680	97 -	1	679	5484	6160
UN49463	Rsa1.0.00710.1	986	67325	1.00E-136	256	259	98 -	698	956	27484	27742
UN49464	Rsa1.0.02217.1	869	33812	1.00E-145	357	386	92 -	3	387	5429	5808
UN49465	Rsa1.0.01146.1	721	163455	4.00E-71	178	188	94 +	5	189	20607	20793
UN49466	Rsa1.0.00913.1	938	59914	1.00E-131	292	308	94 +	473	776	55793	56100
UN49467	Rsa1.0.03890.1	824	20223	1.00E-150	373	404	92 -	11	402	11314	11709
UN49468	Rsa1.0.07603.1	1020	9043	1.00E-114	354	399	88 +	160	558	2808	3200
UN49469	Rsa1.0.00110.1	626	132719	0	592	634	93 +	1	622	60667	61286
UN49470	Rsa1.0.00335.1	878	94371	1.00E-106	214	220	97 -	447	666	29788	30007
UN49471	Rsa1.0.14744.1	855	3111	1.00E-132	248	251	98 -	579	829	724	974
UN49472	Rsa1.0.00777.1	252	191865	4.00E-68	155	163	95 +	2	164	128215	128377
UN49473	Rsa1.0.03157.1	860	24955	1.00E-162	293	294	99 -	137	430	1625	1918
UN49474	Rsa1.0.02540.1	1171	30344	0	881	896	98 +	234	1129	4744	5639
UN49475	Rsa1.0.00058.1	1084	159921	0	1081	1084	99 +	1	1084	84888	85971
UN49476	Rsa1.0.11907.1	890	5374	0	432	455	94 -	1	453	1101	1549
UN49477	Rsa1.0.00119.1	942	467509	0	365	369	98 +	4	371	103045	103413
UN49478	Rsa1.0.03191.1	730	145762	1.00E-109	206	208	99 -	414	621	15808	16015
UN49479	Rsa1.0.02043.1	570	163754	1.00E-158	285	286	99 +	2	287	146134	146419
UN49480	Rsa1.0.01896.1	987	37512	0	945	993	95 +	2	986	8679	9661
UN49481	Rsa1.0.02185.1	487	34150	2.00E-71	150	153	98 -	1	153	3237	3388
UN49482	Rsa1.0.00457.1	986	337301	1.00E-122	279	294	94 +	688	978	130569	130857
UN49483	Rsa1.0.02020.1	880	173211	1.00E-138	320	340	94 -	1	340	172619	172954
UN49484	Rsa1.0.01124.1	628	53295	0	600	626	95 -	1	624	25575	26199
UN49485	Rsa1.0.01104.1	706	285480	0	666	671	99 +	36	706	33970	34640
UN49486	Rsa1.0.00329.1	1289	222544	0	416	434	95 -	676	1109	193299	193732
UN49487	Rsa1.0.00484.1	681	203294	0	549	578	94 +	104	681	56324	56895
UN49488	Rsa1.0.02267.1	546	33194	0	456	486	93 -	8	484	11925	12409
UN49489	Rsa1.0.04028.1	1062	19493	1.00E-110	269	291	92 -	778	1062	2301	2588

UN49490	Rsa1.0.02343.1	933	32374	0	397	410	96 -	54	463	9749	10158
UN49491	Rsa1.0.00284.1	888	323267	0	684	712	96 +	176	887	146541	147244
UN49492	Rsa1.0.00092.1	1094	659932	0	1039	1108	93 -	3	1078	175664	176766
UN49493	Rsa1.0.09343.1	672	6439	0	420	439	95 +	20	448	4258	4696
UN49494	Rsa1.0.01105.1	639	53958	0	377	389	96 -	6	393	12551	12938
UN49495	Rsa1.0.08338.1	529	7511	0	404	431	93 -	13	442	560	978
UN49496	Rsa1.0.03521.1	1278	396204	1.00E-139	320	334	95 +	951	1278	139674	140004
UN49497	Rsa1.0.03718.1	755	21195	1.00E-117	265	282	93 +	204	485	654	935
UN49498	Rsa1.0.00427.1	202	189678	1.00E-80	177	185	95 +	3	183	11869	12053
UN49499	Rsa1.0.00050.1	830	237174	0	544	594	91 +	251	830	7595	8176
UN49500	Rsa1.0.00037.1	1088	307838	0	451	464	97 -	627	1088	241191	241654
UN49501	Rsa1.0.00435.1	1228	317579	1.00E-170	321	327	98 -	3	329	68865	69191
UN49502	Rsa1.0.00939.1	1027	185227	1.00E-107	228	238	95 -	410	647	39140	39377
UN49503	Rsa1.0.01091.1	1076	54383	1.00E-180	365	380	96 -	647	1026	11515	11894
UN49504	Rsa1.0.12663.1	570	5160	1.00E-134	315	339	92 -	232	570	936	1260
UN49505	Rsa1.0.07671.1	823	8860	0	779	847	91 +	1	823	3303	4128
UN49506	Rsa1.0.00539.1	691	76926	1.00E-106	220	228	96 +	49	276	27886	28113
UN49507	Rsa1.0.00060.1	715	502678	0	674	717	94 -	2	715	128114	128821
UN49508	Rsa1.0.09899.1	974	6099	0	955	990	96 +	2	974	2975	3963
UN49509	Rsa1.0.02206.1	1300	33922	1.00E-135	263	268	98 -	1	267	19902	20169
UN49510	Rsa1.0.00252.1	966	102760	0	538	542	99 +	425	966	57128	57669
UN49511	Rsa1.0.02575.1	938	29944	0	932	934	99 -	3	936	19878	20811
UN49512	Rsa1.0.00034.1	393	260119	1.00E-149	324	342	94 -	2	343	32894	33233
UN49513	Rsa1.0.00541.1	514	76863	0	478	493	96 -	16	507	61282	61773
UN49514	Rsa1.0.00500.1	1076	272308	1.00E-142	264	265	99 -	811	1075	158682	158945
UN49515	Rsa1.0.00721.1	1305	66918	0	420	441	95 +	282	722	919	1359
UN49516	Rsa1.0.00206.1	897	109040	1.00E-125	248	254	97 -	644	895	45115	45368
UN49517	Rsa1.0.06715.1	1263	10485	0	531	582	91 +	705	1260	2808	3385
UN49518	Rsa1.0.00105.1	846	134138	1.00E-165	415	453	91 +	392	843	91785	92214
UN49519	Rsa1.0.01440.1	918	45807	0	753	773	97 -	149	918	13699	14471
UN49520	Rsa1.0.52876.1	1027	431	0	378	386	97 +	285	670	40	425
UN49521	Rsa1.0.00652.1	941	70089	1.00E-172	407	441	92 +	1	435	46873	47303
UN49522	Rsa1.0.00040.1	715	324196	0	499	534	93 -	3	532	175165	175676
UN49523	Rsa1.0.00664.1	796	69573	0	407	409	99 +	1	408	577	984
UN49524	Rsa1.0.04762.1	1060	16101	0	528	562	93 -	11	560	4256	4811
UN49525	Rsa1.0.45212.1	677	498	1.00E-110	214	218	98 -	459	676	147	364
UN49526	Rsa1.0.02943.1	939	153598	0	581	596	97 -	345	939	128916	129510
UN49527	Rsa1.0.01388.1	807	46741	1.00E-110	203	203	100 -	1	203	27619	27821
UN49528	Rsa1.0.01649.1	627	41624	4.00E-92	199	208	95 -	190	397	27386	27593

UN49529	Rsa1.0.00293.1	1198	339294	0	444	448	99 -	1	447	254540	254987
UN49530	Rsa1.0.00302.1	1203	97521	0	361	364	99 -	2	365	85022	85385
UN49531	Rsa1.0.01458.1	1091	175719	1.00E-177	360	372	96 +	3	371	33186	33554
UN49532	Rsa1.0.06675.1	760	10561	0	494	520	95 +	1	516	9584	10101
UN49533	Rsa1.0.00118.1	1069	130637	0	561	598	93 +	3	593	28806	29403
UN49534	Rsa1.0.01559.1	302	43262	4.00E-87	266	299	88 -	11	301	17367	17652
UN49535	Rsa1.0.00007.1	898	239325	0	824	876	94 +	6	877	50057	50932
UN49536	Rsa1.0.00013.1	1039	292129	0	1032	1032	100 -	1	1032	287828	288859
UN49537	Rsa1.0.00122.1	812	265937	0	369	383	96 -	1	383	82124	82506
UN49538	Rsa1.0.00065.1	733	454616	1.00E-64	126	126	100 +	473	598	115656	115781
UN49539	Rsa1.0.04235.1	996	18373	0	568	597	95 +	15	609	11463	12055
UN49540	Rsa1.0.00079.1	705	606987	1.00E-169	368	386	95 -	1	375	22253	22636
UN49541	Rsa1.0.02855.1	748	27271	0	510	526	96 +	222	745	10752	11275
UN49542	Rsa1.0.03241.1	900	24423	0	412	415	99 -	484	898	13644	14058
UN49543	Rsa1.0.00037.1	1034	307838	1.00E-172	372	398	93 +	5	402	257465	257840
UN49544	Rsa1.0.00048.1	726	167185	1.00E-172	349	358	97 -	166	521	2507	2862
UN49545	Rsa1.0.04005.1	1553	19586	0	767	839	91 -	691	1528	2144	2955
UN49546	Rsa1.0.08259.1	541	7641	2.00E-56	127	132	96 +	276	407	2029	2160
UN49547	Rsa1.0.00366.1	1031	90880	0	844	850	99 +	4	853	9231	10080
UN49548	Rsa1.0.08725.1	815	6997	2.00E-51	113	116	97 +	247	362	4214	4329
UN49549	Rsa1.0.02341.1	1174	32387	2.00E-95	201	206	97 -	970	1174	31288	31492
UN49550	Rsa1.0.01502.1	731	44519	0	479	511	93 -	5	515	41343	41834
UN49551	Rsa1.0.02166.1	1026	34414	0	342	346	98 -	464	809	20683	21028
UN49552	Rsa1.0.06615.1	755	10659	0	367	367	100 +	15	381	721	1087
UN49553	Rsa1.0.07588.1	959	9070	0	636	659	96 +	304	959	5044	5702
UN49554	Rsa1.0.00096.1	568	198773	0	367	381	96 -	184	563	135997	136372
UN49555	Rsa1.0.01469.1	1117	45139	1.00E-110	211	214	98 -	904	1117	42148	42361
UN49556	Rsa1.0.00576.1	716	178949	4.00E-86	180	186	96 -	240	425	3256	3441
UN49557	Rsa1.0.00131.1	831	432233	1.00E-123	243	249	97 +	8	256	408237	408485
UN49558	Rsa1.0.00656.1	724	69968	1.00E-165	425	461	92 -	267	723	45205	45651
UN49559	Rsa1.0.00807.1	887	63607	6.00E-98	185	186	99 -	471	656	18358	18543
UN49560	Rsa1.0.02694.1	1057	28610	1.00E-165	375	402	93 +	238	633	6542	6943
UN49561	Rsa1.0.01976.1	469	36570	1.00E-111	271	291	93 +	3	290	32507	32793
UN49562	Rsa1.0.01453.1	836	45449	1.00E-145	286	294	97 +	4	297	10628	10921
UN49563	Rsa1.0.05423.1	1195	13800	1.00E-103	246	262	93 -	909	1167	7558	7819
UN49564	Rsa1.0.00152.1	959	257730	1.00E-102	215	222	96 -	628	849	96243	96463
UN49565	Rsa1.0.02622.1	1148	142402	0	643	661	97 -	3	663	9528	10188
UN49566	Rsa1.0.00192.1	814	278200	0	609	646	94 +	123	767	251267	251912
UN49567	Rsa1.0.07809.1	944	8503	0	875	928	94 +	28	935	1020	1941

UN49568	Rsa1.0.03352.1	1116	23506	1.00E-105	239	250	95 +	868	1116	4054	4301
UN49569	Rsa1.0.00644.1	842	136881	1.00E-102	199	202	98 +	404	605	63427	63628
UN49570	Rsa1.0.00455.1	410	224823	7.00E-65	141	146	96 -	176	321	183400	183545
UN49571	Rsa1.0.00008.1	734	358124	1.00E-166	341	356	95 -	2	357	73511	73866
UN49572	Rsa1.0.03180.1	1203	24764	1.00E-158	341	359	94 +	852	1203	21745	22103
UN49573	Rsa1.0.01970.1	1071	36648	0	1036	1075	96 +	3	1071	30306	31375
UN49574	Rsa1.0.01938.1	307	264018	1.00E-107	203	205	99 +	103	307	133128	133332
UN49575	Rsa1.0.00134.1	1426	390219	0	604	646	93 +	661	1306	155052	155697
UN49576	Rsa1.0.02122.1	1061	34797	0	372	381	97 -	682	1061	26122	26501
UN49577	Rsa1.0.00115.1	756	131321	1.00E-128	301	326	92 +	9	334	34884	35197
UN49578	Rsa1.0.01085.1	855	54539	1.00E-161	315	324	97 -	246	569	13646	13969
UN49579	Rsa1.0.19459.1	1157	1429	5.00E-99	234	248	94 -	890	1135	827	1074
UN49580	Rsa1.0.05774.1	730	12667	0	413	430	96 +	297	721	3452	3881
UN49581	Rsa1.0.01005.1	721	56967	1.00E-130	257	264	97 -	234	497	19291	19554
UN49582	Rsa1.0.00038.1	823	314568	1.00E-115	303	328	92 +	508	823	16997	17323
UN49583	Rsa1.0.03552.1	906	22151	5.00E-86	183	190	96 +	33	222	13481	13670
UN49584	Rsa1.0.05260.1	896	14337	0	638	669	95 -	234	896	3746	4414
UN49585	Rsa1.0.01786.1	748	133324	2.33E-156	359	387	92 -	363	747	100617	100988
UN49586	Rsa1.0.00912.1	684	59923	1.00E-153	332	346	95 -	343	683	36937	37282
UN49587	Rsa1.0.00328.1	1011	224661	0	555	574	96 +	438	1011	207122	207694
UN49588	Rsa1.0.00137.1	811	122457	1.00E-100	185	185	100 -	1	185	5329	5513
UN49589	Rsa1.0.00175.1	1026	166121	1.00E-126	278	294	94 -	188	475	62442	62732
UN49590	Rsa1.0.00121.1	1183	278029	0	403	414	97 +	1	410	120178	120590
UN49591	Rsa1.0.02192.1	788	171291	0	360	365	98 +	4	368	10128	10492
UN49592	Rsa1.0.02188.1	1016	34104	0	513	532	96 +	3	530	2402	2933
UN49593	Rsa1.0.01963.1	800	36719	0	418	434	96 -	372	800	31871	32302
UN49594	Rsa1.0.00145.1	780	261008	0	363	364	99 +	306	669	246600	246963
UN49595	Rsa1.0.00041.1	607	186197	0	452	466	96 -	127	592	54308	54773
UN49596	Rsa1.0.00622.1	701	71822	0	411	411	100 +	291	701	11571	11981
UN49597	Rsa1.0.00655.1	787	195840	1.00E-145	333	355	93 -	46	390	17675	18029
UN49598	Rsa1.0.00158.1	519	117999	3.00E-71	176	187	94 +	335	519	40630	40814
UN49599	Rsa1.0.01513.1	772	44234	7.00E-79	270	307	87 -	488	772	17196	17498
UN49600	Rsa1.0.00975.1	702	57865	0	625	642	97 +	2	643	55428	56068
UN49601	Rsa1.0.00541.1	854	76863	1.00E-163	316	324	97 +	302	625	34580	34903
UN49602	Rsa1.0.00568.1	682	75219	1.00E-171	350	364	96 +	217	574	4962	5324
UN49603	Rsa1.0.04121.1	720	18951	0	475	499	95 -	7	505	13882	14379
UN49604	Rsa1.0.16140.1	985	2268	0	907	932	97 +	61	985	1303	2234
UN49605	Rsa1.0.00674.1	1103	193753	1.00E-154	323	332	97 +	766	1091	181840	182171
UN49606	Rsa1.0.02143.1	738	34632	0	471	480	98 -	2	481	13042	13521

UN49607	Rsa1.0_00002.1	1069	601661	1.00E-115	336	375	89 +	15	380	264140	264511
UN49608	Rsa1.0_00127.1	1298	127446	1.00E-176	320	322	99 +	368	689	20724	21045
UN49609	Rsa1.0_02157.1	805	149652	1.00E-135	254	257	98 -	100	356	13750	14006
UN49610	Rsa1.0_01422.1	888	46172	1.00E-144	269	272	98 +	576	847	1	272
UN49611	Rsa1.0_08427.1	971	7371	1.00E-177	329	331	99 +	642	971	1	330
UN49612	Rsa1.0_04653.1	1109	16509	1.00E-112	212	214	99 +	680	893	2773	2986
UN49613	Rsa1.0_01448.1	262	45645	1.00E-116	255	269	94 +	1	261	16474	16741
UN49614	Rsa1.0_00323.1	1245	159650	0	460	468	98 -	361	828	11516	11983
UN49615	Rsa1.0_01523.1	790	43959	1.00E-104	251	267	94 +	520	785	23550	23807
UN49616	Rsa1.0_02481.1	788	31035	0	413	432	95 -	356	786	17787	18218
UN49617	Rsa1.0_00127.1	1178	127446	1.00E-138	274	282	97 -	168	449	64243	64524
UN49618	Rsa1.0_18647.1	812	1560	1.00E-155	327	342	95 -	468	808	591	932
UN49619	Rsa1.0_01119.1	640	53459	1.00E-143	292	303	96 +	74	373	42046	42348
UN49620	Rsa1.0_00025.1	1276	277312	1.00E-172	312	314	99 -	962	1275	134683	134996
UN49621	Rsa1.0_00036.1	1079	176186	0	1055	1079	97 +	1	1079	93759	94837
UN49622	Rsa1.0_00594.1	914	73729	0	645	656	98 -	258	912	4135	4790
UN49623	Rsa1.0_00224.1	462	327530	1.00E-162	376	407	92 -	73	457	26167	26573
UN49624	Rsa1.0_22665.1	611	1104	0	592	606	97 -	2	607	101	706
UN49625	Rsa1.0_00595.1	917	341648	0	889	916	97 +	3	914	192510	193425
UN49626	Rsa1.0_50205.1	614	452	1.00E-150	405	450	90 +	28	477	3	452
UN49627	Rsa1.0_00038.1	840	314568	1.00E-159	315	324	97 +	517	839	52376	52699
UN49628	Rsa1.0_00322.1	856	212233	0	449	474	94 +	18	479	4330	4800
UN49629	Rsa1.0_00246.1	757	103541	1.00E-126	300	320	93 +	3	319	89282	89594
UN49630	Rsa1.0_01937.1	1101	37147	0	391	402	97 +	700	1101	21081	21480
UN49631	Rsa1.0_00571.1	990	329018	0	873	916	95 -	86	986	173767	174680
UN49632	Rsa1.0_00527.1	1054	77733	1.00E-104	273	298	91 -	294	582	58084	58381
UN49633	Rsa1.0_00284.1	845	323267	0	661	687	96 +	160	845	146541	147225
UN49634	Rsa1.0_00480.1	891	81325	0	430	442	97 +	369	807	29204	29644
UN49635	Rsa1.0_00748.1	816	65983	1.00E-172	423	461	91 -	94	546	63996	64456
UN49636	Rsa1.0_01070.1	339	55099	4.00E-72	190	206	92 -	134	339	31371	31570
UN49637	Rsa1.0_18035.1	1109	1685	0	559	578	96 +	10	584	467	1044
UN49638	Rsa1.0_01182.1	588	167304	0	531	553	96 +	44	587	26261	26813
UN49639	Rsa1.0_00093.1	641	214962	0	329	329	100 -	1	329	134460	134788
UN49640	Rsa1.0_00017.1	810	752458	3.00E-84	265	298	88 -	14	296	30157	30441
UN49641	Rsa1.0_03646.1	1165	21598	1.00E-150	273	274	99 +	892	1165	15617	15890
UN49642	Rsa1.0_00281.1	508	99908	1.00E-158	403	438	92 -	94	507	24103	24539
UN49643	Rsa1.0_00265.1	1193	220635	0	481	516	93 +	1	513	171353	171865
UN49644	Rsa1.0_00015.1	1015	561803	0	408	414	98 +	604	1013	264496	264909
UN49645	Rsa1.0_03634.1	797	145192	0	461	464	99 -	334	797	19071	19534

UN49646	Rsa1.0.00734.1	824	66508	6.00E-98	243	261	93 -	551	805	56021	56279
UN49647	Rsa1.0.00004.1	1045	253996	0	733	756	96 -	293	1045	69019	69773
UN49648	Rsa1.0.00414.1	1217	202190	0	326	326	100 +	892	1217	197259	197584
UN49649	Rsa1.0.00772.1	1120	64856	0	493	501	98 -	354	854	28581	29081
UN49650	Rsa1.0.00020.1	651	283099	1.00E-166	296	296	100 -	356	651	75565	75860
UN49651	Rsa1.0.00027.1	1113	283362	0	395	404	97 +	1	403	160693	161096
UN49652	Rsa1.0.04456.1	761	17260	2.00E-97	260	284	91 +	476	756	7707	7985
UN49653	Rsa1.0.00183.1	1304	113277	1.00E-139	285	293	97 -	112	402	67148	67437
UN49654	Rsa1.0.00234.1	1190	197060	0	400	415	96 -	410	824	144150	144564
UN49655	Rsa1.0.00448.1	733	84048	0	724	746	97 +	3	733	32815	33560
UN49656	Rsa1.0.01895.1	1313	37512	0	771	799	96 +	259	1057	23772	24570
UN49657	Rsa1.0.00755.1	1060	192559	1.00E-116	240	247	97 +	2	246	359	603
UN49658	Rsa1.0.00978.1	1156	57739	1.00E-105	253	272	93 -	3	265	45327	45598
UN49659	Rsa1.0.07344.1	1050	9528	0	403	418	96 -	12	429	523	939
UN49660	Rsa1.0.01896.1	807	37512	0	762	793	96 +	5	797	6185	6977
UN49661	Rsa1.0.01656.1	906	41494	2.00E-98	189	191	98 +	390	580	12318	12508
UN49662	Rsa1.0.04126.1	1576	18939	1.00E-154	300	308	97 -	652	959	12796	13103
UN49663	Rsa1.0.00190.1	1246	318240	0	368	373	98 +	68	440	116695	117067
UN49664	Rsa1.0.00108.1	1048	478491	0	419	445	94 -	592	1033	416456	416891
UN49665	Rsa1.0.00092.1	1295	659932	1.00E-139	273	279	97 -	2	280	154977	155254
UN49666	Rsa1.0.00533.1	724	77375	0	711	711	100 +	4	714	49299	50009
UN49667	Rsa1.0.09273.1	920	6511	1.00E-107	248	261	95 -	3	256	1960	2219
UN49668	Rsa1.0.00033.1	971	515811	1.00E-157	350	373	93 -	599	971	8088	8460
UN49669	Rsa1.0.03786.1	1041	20879	0	1011	1040	97 +	2	1041	13900	14939
UN49670	Rsa1.0.00773.1	1536	64839	0	628	644	97 -	652	1295	22427	23070
UN49671	Rsa1.0.02747.1	1487	28247	0	413	417	99 -	3	419	24943	25358
UN49672	Rsa1.0.00793.1	928	64103	9.00E-88	196	205	95 +	68	271	36927	37131
UN49673	Rsa1.0.00417.1	1055	395068	0	487	519	93 +	525	1043	259263	259778
UN49674	Rsa1.0.03524.1	967	22297	1.00E-170	319	323	98 +	647	967	17950	18272
UN49675	Rsa1.0.01660.1	1239	41400	0	512	547	93 +	678	1221	30402	30943
UN49676	Rsa1.0.02117.1	1362	34843	1.00E-143	270	274	98 +	855	1128	15985	16258
UN49677	Rsa1.0.00470.1	1124	81968	2.00E-98	208	215	96 +	602	816	31385	31598
UN49678	Rsa1.0.00331.1	1137	176754	0	656	672	97 -	471	1137	22422	23092
UN49679	Rsa1.0.00552.1	793	206757	1.00E-118	225	228	98 -	1	228	69473	69700
UN49680	Rsa1.0.14140.1	1125	3748	0	595	600	99 +	1	600	1106	1705
UN49681	Rsa1.0.01469.1	952	45139	0	661	665	99 +	3	667	29375	30038
UN49682	Rsa1.0.00335.1	1187	94371	1.00E-155	314	326	96 -	817	1142	42210	42535
UN49683	Rsa1.0.01502.1	806	44519	1.00E-116	283	304	93 -	1	300	39463	39762
UN49684	Rsa1.0.06530.1	1086	10840	1.00E-170	464	509	91 +	180	684	5476	5958

UN49685	Rsa1.0_00648.1	798	70351	1.00E-92	198	205	96 +	581	782	13289	13490
UN49686	Rsa1.0_00662.1	942	192183	3.00E-84	199	211	94 -	729	938	32222	32422
UN49687	Rsa1.0_01537.1	831	187285	2.00E-97	190	193	98 -	365	557	20952	21144
UN49688	Rsa1.0_08285.1	1082	7606	0	416	438	94 -	3	436	6676	7111
UN49689	Rsa1.0_00336.1	978	445051	0	929	986	94 +	3	978	308919	309893
UN49690	Rsa1.0_00638.1	1148	71037	0	426	440	96 +	326	761	9032	9471
UN49691	Rsa1.0_00198.1	1100	222963	1.00E-168	374	396	94 +	4	397	135032	135427
UN49692	Rsa1.0_00484.1	963	203294	0	537	548	97 -	416	963	49804	50347
UN49693	Rsa1.0_06819.1	1064	10302	0	1022	1065	95 +	1	1064	1161	2218
UN49694	Rsa1.0_00079.1	1172	606987	0	622	646	96 -	7	652	4648	5292
UN49695	Rsa1.0_00065.1	1382	454616	9.00E-89	276	304	90 -	1083	1382	176674	176971
UN49696	Rsa1.0_00069.1	733	403561	1.00E-149	276	279	98 -	57	335	179274	179552
UN49697	Rsa1.0_10303.1	880	5897	1.00E-114	216	218	99 +	238	455	1614	1831
UN49698	Rsa1.0_39836.1	1142	564	0	478	511	93 -	3	513	1	498
UN49699	Rsa1.0_00009.1	1101	232558	1.00E-100	228	241	94 -	740	979	33337	33571
UN49700	Rsa1.0_01768.1	1164	138463	0	377	381	98 +	345	725	103736	104116
UN49701	Rsa1.0_04890.1	1326	15591	1.00E-152	283	285	99 +	41	324	14439	14723
UN49702	Rsa1.0_01814.1	923	38917	3.00E-87	198	208	95 +	722	923	7909	8116
UN49703	Rsa1.0_14881.1	1141	2995	0	449	464	96 +	676	1139	2323	2786
UN49704	Rsa1.0_00250.1	1009	273771	1.00E-96	205	212	96 -	797	1008	60373	60583
UN49705	Rsa1.0_00080.1	813	190437	1.00E-180	444	480	92 +	2	477	104347	104806
UN49706	Rsa1.0_00547.1	986	76521	0	359	367	97 -	259	625	55109	55475
UN49707	Rsa1.0_00076.1	939	146021	0	415	433	95 +	506	938	76300	76718
UN49708	Rsa1.0_17832.1	1007	1729	1.00E-147	268	269	99 +	739	1007	123	391
UN49709	Rsa1.0_09583.1	1015	6270	1.00E-160	363	390	93 +	549	929	5886	6270
UN49710	Rsa1.0_00407.1	1499	191544	1.00E-109	269	289	93 -	1217	1499	7356	7642
UN49711	Rsa1.0_03218.1	1029	24539	1.00E-147	339	361	93 -	4	349	5213	5572
UN49712	Rsa1.0_00752.1	1329	65756	1.00E-124	367	404	90 -	942	1327	30478	30878
UN49713	Rsa1.0_00257.1	1228	102407	0	503	513	98 +	716	1228	71302	71814
UN49714	Rsa1.0_08668.1	817	7059	1.00E-111	211	213	99 +	469	681	5662	5874
UN49715	Rsa1.0_00223.1	1247	106231	1.00E-148	288	295	97 -	329	623	40630	40924
UN49716	Rsa1.0_03878.1	1072	20305	1.00E-114	212	213	99 +	519	731	4375	4587
UN49717	Rsa1.0_08220.1	894	7701	0	884	891	99 +	3	893	772	1660
UN49718	Rsa1.0_01359.1	1139	47271	0	439	441	99 +	3	443	32397	32836
UN49719	Rsa1.0_02017.1	1148	35999	1.00E-141	274	279	98 -	3	280	26848	27126
UN49720	Rsa1.0_00332.1	1136	94575	2.00E-92	218	232	93 +	131	362	22760	22989
UN49721	Rsa1.0_03170.1	1212	24824	0	707	710	99 +	495	1203	12992	13701
UN49722	Rsa1.0_00529.1	920	77487	1.00E-126	259	268	96 -	655	920	21827	22094
UN49723	Rsa1.0_02901.1	1181	26909	1.00E-103	272	296	91 +	16	311	13863	14152

UN49724	Rsa1.0.00088.1	1688	141341	0	445	448	99 -	324	771	57975	58422
UN49725	Rsa1.0.06791.1	1073	10350	0	832	876	94 +	61	936	6552	7421
UN49726	Rsa1.0.00759.1	922	65465	0	761	787	96 -	1	787	55681	56467
UN49727	Rsa1.0.02367.1	1159	32106	0	573	597	95 +	576	1159	25289	25884
UN49728	Rsa1.0.05545.1	881	13379	0	864	886	97 -	4	881	11084	11969
UN49729	Rsa1.0.00782.1	1028	64468	1.00E-163	303	307	98 -	722	1028	19372	19678
UN49730	Rsa1.0.02648.1	1154	29073	1.00E-140	298	311	95 +	108	418	5546	5852
UN49731	Rsa1.0.00207.1	1026	248736	0	410	434	94 +	595	1026	246026	246453
UN49732	Rsa1.0.04126.1	818	18939	1.00E-152	292	297	98 +	330	625	17030	17326
UN49733	Rsa1.0.13238.1	1245	4960	0	480	486	98 +	754	1239	2195	2680
UN49734	Rsa1.0.03843.1	1033	20496	1.00E-159	391	427	91 +	12	423	6097	6521
UN49735	Rsa1.0.00577.1	1315	174827	0	392	409	95 -	1	409	151076	151481
UN49736	Rsa1.0.00002.1	1072	601661	0	370	383	96 -	686	1068	264132	264511
UN49737	Rsa1.0.00116.1	648	365886	1.00E-92	211	223	94 -	423	645	314976	315195
UN49738	Rsa1.0.00065.1	761	454616	1.00E-113	223	228	97 -	63	290	116989	117216
UN49739	Rsa1.0.04286.1	1016	18084	1.00E-124	230	231	99 +	784	1014	6107	6337
UN49740	Rsa1.0.01762.1	700	39682	0	397	410	96 +	139	548	1493	1902
UN49741	Rsa1.0.01565.1	1205	155447	0	463	474	97 +	5	476	1778	2251
UN49742	Rsa1.0.01214.1	988	50599	0	553	579	95 -	6	584	49762	50340
UN49743	Rsa1.0.14298.1	926	3561	4.00E-65	130	131	99 -	695	825	145	275
UN49744	Rsa1.0.05189.1	1056	14545	1.00E-159	352	374	94 +	23	395	425	785
UN49745	Rsa1.0.00725.1	613	66757	1.00E-180	319	319	100 +	2	320	39812	40130
UN49746	Rsa1.0.00040.1	991	324196	0	545	561	97 +	418	977	246545	247105
UN49747	Rsa1.0.06164.1	1186	11584	1.00E-164	293	293	100 +	1	293	1590	1882
UN49748	Rsa1.0.02556.1	892	30133	0	679	690	98 -	1	687	4196	4882
UN49749	Rsa1.0.00490.1	1268	186713	0	945	1045	90 +	9	1053	23898	24942
UN49750	Rsa1.0.00104.1	917	368722	6.00E-92	238	260	91 +	501	760	201374	201633
UN49751	Rsa1.0.01955.1	1197	36850	0	942	998	94 +	214	1191	13035	14027
UN49752	Rsa1.0.50581.1	980	449	1.00E-172	349	363	96 -	217	579	87	449
UN49753	Rsa1.0.03817.1	1122	20669	1.00E-144	268	271	98 +	852	1122	15724	15994
UN49754	Rsa1.0.00051.1	1110	258225	0	603	627	96 -	487	1110	47441	48059
UN49755	Rsa1.0.00655.1	1055	195840	1.00E-173	371	384	96 +	674	1054	23143	23522
UN49756	Rsa1.0.00277.1	1017	100132	1.00E-122	328	362	90 -	651	1000	88368	88725
UN49757	Rsa1.0.02411.1	1079	31655	0	789	826	95 -	268	1075	27414	28235
UN49758	Rsa1.0.00557.1	803	75865	1.00E-129	310	336	92 +	2	323	74480	74807
UN49759	Rsa1.0.00033.1	1000	515811	0	396	397	99 +	604	1000	42902	43297
UN49760	Rsa1.0.00644.1	1437	136881	1.00E-109	201	201	100 +	19	219	42114	42314
UN49761	Rsa1.0.00354.1	1267	232005	0	379	393	96 +	78	470	13148	13540
UN49762	Rsa1.0.00301.1	1119	365315	0	417	421	99 -	204	624	195261	195679

UN49763	Rsa1.0.00068.1	846	151813	1.00E-144	293	304	96 -	543	846	97516	97819
UN49764	Rsa1.0.02000.1	1320	36210	1.00E-144	293	302	97 -	3	300	4950	5251
UN49765	Rsa1.0.01772.1	1432	39557	0	652	659	98 -	763	1421	4407	5062
UN49766	Rsa1.0.01696.1	891	301850	1.00E-100	218	230	94 -	6	226	32637	32866
UN49767	Rsa1.0.02494.1	758	132923	0	594	611	97 -	85	695	6436	7046
UN49768	Rsa1.0.00657.1	832	69858	8.00E-51	121	127	95 -	513	639	26517	26643
UN49769	Rsa1.0.00486.1	745	80875	0	428	449	95 -	298	745	32581	33022
UN49770	Rsa1.0.00015.1	1109	561803	1.00E-118	237	244	97 +	73	316	527851	528094
UN49771	Rsa1.0.10771.1	1094	5723	0	394	413	95 +	660	1071	1882	2290
UN49772	Rsa1.0.00033.1	980	515811	0	376	394	95 +	598	979	42902	43295
UN49773	Rsa1.0.00977.1	1153	198001	1.00E-126	246	251	98 -	1	248	29296	29546
UN49774	Rsa1.0.00324.1	787	218805	2.00E-85	211	224	94 +	12	232	188059	188281
UN49775	Rsa1.0.01978.1	845	36546	2.33E-156	308	319	96 +	527	845	12510	12825
UN49776	Rsa1.0.00328.1	773	224661	6.00E-70	150	155	96 -	154	308	218734	218888
UN49777	Rsa1.0.00287.1	1038	98687	1.00E-129	264	274	96 -	3	276	46610	46883
UN49778	Rsa1.0.00910.1	1468	59975	1.00E-118	322	352	91 +	1	352	30940	31276
UN49779	Rsa1.0.00131.1	1128	432233	0	580	598	96 +	531	1126	34864	35461
UN49780	Rsa1.0.00048.1	821	167185	5.00E-86	180	186	96 -	205	390	6266	6451
UN49781	Rsa1.0.00007.1	831	239325	7.00E-79	159	162	98 +	574	735	15014	15175
UN49782	Rsa1.0.00433.1	762	85381	1.00E-101	261	279	93 -	456	732	65203	65477
UN49783	Rsa1.0.01196.1	1239	51097	1.00E-131	238	238	100 +	831	1068	26455	26692
UN49784	Rsa1.0.00409.1	799	146788	0	755	778	97 -	26	799	145938	146715
UN49785	Rsa1.0.04568.1	868	16805	0	852	854	99 +	13	866	4827	5680
UN49786	Rsa1.0.01595.1	892	175383	6.00E-92	188	192	97 -	701	892	5888	6078
UN49787	Rsa1.0.00941.1	1031	58891	1.00E-144	292	301	97 +	731	1030	44924	45221
UN49788	Rsa1.0.16460.1	1214	2148	0	1155	1221	94 -	1	1214	357	1553
UN49789	Rsa1.0.02902.1	687	26907	1.00E-136	301	316	95 -	1	314	5590	5897
UN49790	Rsa1.0.00484.1	884	203294	0	396	416	95 -	2	417	56502	56910
UN49791	Rsa1.0.10042.1	1094	6027	1.00E-172	315	318	99 +	666	983	169	486
UN49792	Rsa1.0.07877.1	730	8373	0	338	341	99 -	1	339	5639	5979
UN49793	Rsa1.0.00588.1	1279	73939	1.00E-164	377	400	94 -	9	404	19138	19536
UN49794	Rsa1.0.00213.1	726	108167	1.00E-125	248	255	97 +	472	726	5743	5997
UN49795	Rsa1.0.00003.1	827	340054	2.33E-156	354	381	92 -	223	601	2633	3000
UN49796	Rsa1.0.00073.1	967	240924	1.00E-141	272	278	97 -	685	962	187878	188155
UN49797	Rsa1.0.02139.1	1170	34686	0	564	576	97 +	3	578	24840	25414
UN49798	Rsa1.0.02222.1	921	152798	1.00E-107	228	238	95 +	156	393	14746	14983
UN49799	Rsa1.0.01905.1	1407	37450	0	439	443	99 +	1	443	31757	32198
UN49800	Rsa1.0.03216.1	977	24540	4.00E-96	250	269	92 -	713	976	12063	12330
UN49801	Rsa1.0.00050.1	1058	237174	2.00E-85	210	225	93 -	816	1040	104021	104244

UN49802	Rsa1.0.00092.1	929	659932	1.00E-169	370	393	94 -	3	395	517900	518286
UN49803	Rsa1.0.00034.1	1105	260119	1.00E-150	338	354	95 +	732	1081	841	1189
UN49804	Rsa1.0.00483.1	877	81102	1.00E-159	364	386	94 -	497	877	46548	46932
UN49805	Rsa1.0.03821.1	1117	20643	1.00E-124	272	285	95 +	1	285	12660	12940
UN49806	Rsa1.0.11375.1	682	5528	1.00E-165	372	397	93 +	6	402	4753	5136
UN49807	Rsa1.0.02916.1	941	26809	0	416	433	96 -	5	435	5584	6008
UN49808	Rsa1.0.04651.1	1463	16516	0	581	581	100 -	331	911	13808	14388
UN49809	Rsa1.0.00501.1	1013	79545	1.00E-164	316	323	97 -	694	1012	73166	73488
UN49810	Rsa1.0.11872.1	602	5384	0	353	353	100 -	244	596	595	947
UN49811	Rsa1.0.00123.1	494	325650	0	330	331	99 +	2	332	216010	216340
UN49812	Rsa1.0.00016.1	557	831256	0	539	558	96 -	2	557	542844	543396
UN49813	Rsa1.0.00779.1	457	64568	1.00E-140	285	296	96 -	1	296	33078	33373
UN49814	Rsa1.0.02911.1	1436	142461	0	664	692	95 +	752	1436	23423	24109
UN49815	Rsa1.0.03668.1	965	21483	0	480	489	98 +	476	964	13255	13743
UN49816	Rsa1.0.08424.1	866	7375	1.00E-159	308	316	97 +	222	537	4218	4533
UN49817	Rsa1.0.00944.1	569	58733	0	442	460	96 +	110	569	35701	36160
UN49818	Rsa1.0.00079.1	893	606987	0	420	443	94 -	3	444	66614	67043
UN49819	Rsa1.0.00414.1	892	202190	0	504	525	96 +	1	524	56605	57128
UN49820	Rsa1.0.04384.1	1066	17629	0	362	371	97 -	119	489	4187	4557
UN49821	Rsa1.0.00094.1	1254	139042	0	516	523	98 +	3	525	96088	96610
UN49822	Rsa1.0.00914.1	979	59880	1.00E-131	265	274	96 -	352	625	22117	22390
UN49823	Rsa1.0.00108.1	1123	478491	0	447	476	93 -	656	1122	285727	286199
UN49824	Rsa1.0.01515.1	343	170864	1.00E-158	333	346	96 +	2	343	140654	140995
UN49825	Rsa1.0.01389.1	1180	46716	6.00E-71	140	141	99 +	734	874	17257	17397
UN49826	Rsa1.0.00354.1	785	232005	1.00E-134	267	275	97 +	507	781	230428	230702
UN49827	Rsa1.0.00280.1	468	99966	0	441	470	93 -	2	464	15019	15486
UN49828	Rsa1.0.00644.1	741	136881	1.00E-117	240	247	97 +	455	700	44565	44811
UN49829	Rsa1.0.00541.1	862	76863	1.00E-159	314	324	96 -	179	502	34580	34903
UN49830	Rsa1.0.00009.1	1118	232558	1.00E-157	294	298	98 -	3	300	142538	142835
UN49831	Rsa1.0.00154.1	777	189461	0	474	485	97 -	106	586	171032	171515
UN49832	Rsa1.0.01283.1	890	49257	1.00E-153	327	344	95 +	549	889	7067	7410
UN49833	Rsa1.0.01498.1	645	44558	0	639	642	99 -	3	644	35684	36325
UN49834	Rsa1.0.00087.1	1196	761073	1.00E-166	395	422	93 -	780	1196	615087	615505
UN49835	Rsa1.0.00119.1	1119	467509	0	472	507	93 -	263	759	386218	386715
UN49836	Rsa1.0.00429.1	1533	85559	0	806	819	98 +	715	1533	23587	24405
UN49837	Rsa1.0.00225.1	1288	105892	1.00E-132	315	341	92 +	135	469	53905	54233
UN49838	Rsa1.0.00017.1	893	752458	0	558	580	96 +	8	575	313665	314244
UN49839	Rsa1.0.00340.1	771	305782	1.00E-104	237	252	94 +	2	253	188904	189155
UN49840	Rsa1.0.00055.1	814	520193	0	403	413	97 +	379	787	163773	164185

UN49841	Rsa1.0.02012.1	1251	36084	1.00E-116	233	239	97 +	1012	1250	18461	18696
UN49842	Rsa1.0.00329.1	700	222544	1.00E-138	272	279	97 -	3	277	31335	31613
UN49843	Rsa1.0.00055.1	992	520193	0	535	565	94 +	2	552	169180	169744
UN49844	Rsa1.0.01355.1	686	47303	0	628	671	93 -	15	680	39409	40068
UN49845	Rsa1.0.00107.1	644	431659	2.00E-94	182	184	98 -	461	644	82114	82297
UN49846	Rsa1.0.00883.1	781	61230	1.00E-126	254	261	97 -	402	661	30046	30306
UN49847	Rsa1.0.00094.1	677	139042	0	476	494	96 +	21	514	96117	96610
UN49848	Rsa1.0.00111.1	471	390088	0	460	462	99 -	1	461	334412	334872
UN49849	Rsa1.0.00780.1	987	147795	1.00E-126	233	234	99 +	1	234	23268	23501
UN49850	Rsa1.0.03191.1	680	145762	0	650	678	95 -	3	680	134764	135439
UN49851	Rsa1.0.04111.1	858	18991	1.00E-110	250	264	94 -	1	264	13843	14102
UN49852	Rsa1.0.02043.1	715	163754	1.00E-121	236	241	97 -	436	676	142580	142820
UN49853	Rsa1.0.01370.1	1020	47093	0	584	590	98 -	10	599	6095	6684
UN49854	Rsa1.0.00200.1	980	162016	0	620	680	91 +	314	978	108745	109404
UN49855	Rsa1.0.00669.1	681	69419	4.00E-46	98	99	98 -	431	529	19196	19294
UN49856	Rsa1.0.20228.1	947	1325	0	321	321	100 +	1	321	1005	1325
UN49857	Rsa1.0.00863.1	876	254535	0	613	639	95 +	2	637	251935	252566
UN49858	Rsa1.0.00686.1	1113	68511	0	486	516	94 -	603	1113	27887	28402
UN49859	Rsa1.0.05005.1	828	15169	1.00E-139	284	294	96 +	538	828	14659	14948
UN49860	Rsa1.0.00016.1	801	831256	0	779	795	97 -	1	792	542808	543601
UN49861	Rsa1.0.01282.1	730	49304	0	547	575	95 -	169	730	30178	30752
UN49862	Rsa1.0.00376.1	757	90101	0	479	510	93 -	11	506	49557	50056
UN49863	Rsa1.0.03555.1	757	22129	0	454	454	100 -	2	455	17793	18246
UN49864	Rsa1.0.01338.1	888	155644	3.00E-69	180	193	93 -	697	888	15485	15675
UN49865	Rsa1.0.00206.1	1040	109040	1.00E-107	241	253	95 +	1	251	50444	50695
UN49866	Rsa1.0.36357.1	993	620	1.00E-137	305	320	95 -	676	992	301	620
UN49867	Rsa1.0.00009.1	948	232558	1.00E-171	408	437	93 -	513	943	117457	117890
UN49868	Rsa1.0.08546.1	784	7214	1.00E-108	320	362	88 -	94	443	6867	7210
UN49869	Rsa1.0.00473.1	901	212204	2.00E-95	184	186	98 -	231	416	48625	48810
UN49870	Rsa1.0.15018.1	773	2889	1.00E-150	285	290	98 +	291	580	2384	2673
UN49871	Rsa1.0.02228.1	593	33688	1.00E-162	386	415	93 -	196	593	16933	17343
UN49872	Rsa1.0.05749.1	664	12746	2.00E-97	241	259	93 +	404	659	1417	1669
UN49873	Rsa1.0.00055.1	709	520193	0	394	396	99 +	10	405	207381	207776
UN49874	Rsa1.0.03781.1	947	20891	0	716	730	98 +	218	947	11400	12129
UN49875	Rsa1.0.02072.1	1024	35401	1.00E-138	264	269	98 +	559	827	6534	6802
UN49876	Rsa1.0.02544.1	1240	30290	1.00E-166	366	386	94 +	1	385	28777	29157
UN49877	Rsa1.0.00821.1	1069	62891	0	551	553	99 -	515	1067	46803	47355
UN49878	Rsa1.0.02555.1	1079	30146	1.00E-129	256	261	98 -	1	260	2219	2476
UN49879	Rsa1.0.17771.1	898	1744	0	436	436	100 -	463	898	758	1193

UN49880	Rsa1.0.00020.1	690	283099	1.00E-129	307	326	94 +	1	325	75539	75860
UN49881	Rsa1.0.00507.1	791	79074	1.00E-153	301	310	97 +	189	498	42905	43214
UN49882	Rsa1.0.02725.1	718	28404	5.00E-70	141	143	98 +	170	312	7526	7668
UN49883	Rsa1.0.00016.1	860	831256	7.00E-76	266	297	89 +	6	292	225491	225775
UN49884	Rsa1.0.00384.1	922	89278	2.00E-82	174	180	96 -	172	351	81079	81258
UN49885	Rsa1.0.15875.1	1140	2380	1.00E-153	278	279	99 -	1	279	381	659
UN49886	Rsa1.0.00237.1	628	235974	1.00E-127	333	366	90 -	210	569	60494	60853
UN49887	Rsa1.0.00169.1	1058	274298	0	788	845	93 +	2	825	26847	27690
UN49888	Rsa1.0.02252.1	707	33375	0	525	551	95 -	26	567	8074	8622
UN49889	Rsa1.0.04861.1	1153	15693	0	405	407	99 -	1	407	7365	7771
UN49890	Rsa1.0.02516.1	828	30608	2.00E-79	178	187	95 +	635	821	1719	1905
UN49891	Rsa1.0.00023.1	1097	194764	0	593	629	94 +	112	719	83189	83805
UN49892	Rsa1.0.00305.1	986	97308	0	442	470	94 +	29	493	78627	79094
UN49893	Rsa1.0.06175.1	973	11569	1.00E-138	268	274	97 +	698	971	8552	8825
UN49894	Rsa1.0.00424.1	746	86005	1.00E-160	308	315	97 -	311	625	67543	67857
UN49895	Rsa1.0.04399.1	845	17543	1.00E-144	303	318	95 -	520	837	8772	9083
UN49896	Rsa1.0.02101.1	973	35017	0	930	971	95 +	1	971	15803	16763
UN49897	Rsa1.0.00507.1	650	79074	1.00E-152	299	308	97 +	137	444	42907	43214
UN49898	Rsa1.0.00050.1	1025	237174	0	350	350	100 -	593	942	35557	35906
UN49899	Rsa1.0.02756.1	847	28202	3.00E-90	220	239	92 -	89	323	15023	15249
UN49900	Rsa1.0.03170.1	676	24824	3.00E-93	186	190	97 -	2	191	12992	13181
UN49901	Rsa1.0.00361.1	889	91181	0	438	446	98 +	377	822	47136	47580
UN49902	Rsa1.0.18517.1	817	1584	1.00E-157	281	281	100 +	3	283	1212	1492
UN49903	Rsa1.0.01941.1	633	37069	1.00E-106	199	200	99 +	277	476	31362	31561
UN49904	Rsa1.0.00201.1	765	232851	0	402	405	99 -	326	730	38925	39328
UN49905	Rsa1.0.00047.1	942	168582	1.00E-130	272	281	96 +	4	284	165001	165279
UN49906	Rsa1.0.07499.1	661	9244	1.00E-107	321	362	88 -	33	394	6522	6883
UN49907	Rsa1.0.01134.1	795	52829	1.00E-155	281	282	99 -	1	282	42558	42839
UN49908	Rsa1.0.03666.1	899	21485	0	899	900	99 +	1	899	4078	4977
UN49909	Rsa1.0.03860.1	791	20407	1.00E-166	311	316	98 -	213	528	17073	17388
UN49910	Rsa1.0.08018.1	1118	8075	1.00E-152	324	340	95 -	591	930	5141	5477
UN49911	Rsa1.0.00200.1	721	162016	0	588	626	93 -	2	627	108700	109322
UN49912	Rsa1.0.00116.1	982	365886	1.00E-111	229	236	97 +	392	626	239731	239966
UN49913	Rsa1.0.05217.1	1007	142938	0	423	443	95 +	440	879	130269	130711
UN49914	Rsa1.0.00299.1	964	97770	1.00E-110	256	273	93 -	507	779	26265	26534
UN49915	Rsa1.0.02174.1	840	34316	1.00E-154	276	276	100 +	3	278	11691	11966
UN49916	Rsa1.0.00112.1	992	132199	0	396	413	95 +	208	617	116397	116809
UN49917	Rsa1.0.00466.1	786	82132	0	559	581	96 +	3	582	23666	24246
UN49918	Rsa1.0.00017.1	1097	752458	3.00E-66	172	186	92 -	674	855	577876	578061

UN49919	Rsa1.0_11285.1	1127	5556	1.00E-84	198	210	94 -	731	937	2779	2988
UN49920	Rsa1.0_02009.1	862	36100	0	424	438	96 +	286	723	35107	35544
UN49921	Rsa1.0_01242.1	866	50066	2.33E-156	328	347	94 -	3	342	17542	17888
UN49922	Rsa1.0_00611.1	877	72410	0	478	497	96 -	3	499	60559	61054
UN49923	Rsa1.0_00088.1	941	141341	1.00E-130	258	265	97 +	647	911	6655	6919
UN49924	Rsa1.0_00679.1	1057	68971	0	974	1063	91 +	1	1055	578	1603
UN49925	Rsa1.0_01655.1	1230	41508	0	446	475	93 -	1	465	6342	6816
UN49926	Rsa1.0_04651.1	1005	16516	1.00E-172	342	354	96 +	316	669	14035	14388
UN49927	Rsa1.0_07732.1	889	8695	1.00E-133	273	283	96 -	6	285	1258	1540
UN49928	Rsa1.0_00001.1	806	363028	0	612	629	97 -	1	629	62099	62727
UN49929	Rsa1.0_00080.1	899	190437	1.00E-134	267	275	97 +	448	722	34256	34530
UN49930	Rsa1.0_00628.1	1430	214360	0	490	491	99 -	1	491	20466	20956
UN49931	Rsa1.0_09304.1	992	6469	1.00E-139	293	306	95 -	44	349	4613	4915
UN49932	Rsa1.0_00786.1	898	64285	1.00E-92	194	201	96 +	340	540	41596	41796
UN49933	Rsa1.0_00034.1	775	260119	1.00E-95	232	250	92 +	534	773	89248	89497
UN49934	Rsa1.0_02186.1	840	34150	1.00E-180	368	381	96 -	451	827	13853	14231
UN49935	Rsa1.0_14172.1	775	3708	0	531	545	97 +	3	546	1151	1695
UN49936	Rsa1.0_00615.1	738	72235	0	437	438	99 +	301	738	26377	26814
UN49937	Rsa1.0_00067.1	1121	415055	0	747	761	98 +	3	763	247368	248128
UN49938	Rsa1.0_00092.1	1060	659932	0	441	442	99 -	2	443	348844	349285
UN49939	Rsa1.0_00377.1	1060	90038	1.00E-154	361	385	93 -	49	429	9787	10168
UN49940	Rsa1.0_05503.1	771	13510	1.00E-160	333	347	95 +	70	411	2887	3233
UN49941	Rsa1.0_01006.1	1069	163670	0	446	461	96 -	1	461	136690	137149
UN49942	Rsa1.0_02268.1	1295	33172	1.00E-121	294	315	93 -	1	313	16898	17209
UN49943	Rsa1.0_03529.1	1404	22277	0	973	1010	96 +	264	1273	15606	16615
UN49944	Rsa1.0_00410.1	879	86957	0	392	400	98 -	478	877	19646	20045
UN49945	Rsa1.0_02564.1	926	30047	0	851	859	99 +	70	926	9027	9884
UN49946	Rsa1.0_00396.1	1184	88242	0	386	394	97 -	30	423	19721	20114
UN49947	Rsa1.0_00056.1	952	332604	2.00E-98	219	231	94 -	355	585	23852	24082
UN49948	Rsa1.0_00218.1	1034	201480	0	639	658	97 -	149	806	177033	177689
UN49949	Rsa1.0_01806.1	901	39021	2.00E-85	183	188	97 -	707	892	30191	30377
UN49950	Rsa1.0_05431.1	1022	13780	1.00E-170	387	410	94 +	580	984	9312	9720
UN49951	Rsa1.0_03238.1	764	24432	2.00E-63	127	128	99 -	305	432	13339	13466
UN49952	Rsa1.0_00178.1	1075	114861	0	658	688	95 -	302	989	42445	43105
UN49953	Rsa1.0_01173.1	707	51727	0	426	440	96 -	126	565	29674	30113
UN49954	Rsa1.0_00001.1	1113	363028	8.00E-98	185	186	99 -	487	672	289127	289312
UN49955	Rsa1.0_12866.1	1050	5093	0	995	1037	95 +	3	1036	1104	2133
UN49956	Rsa1.0_00035.1	1131	176449	0	377	378	99 -	585	962	48286	48663
UN49957	Rsa1.0_01317.1	513	48287	1.00E-115	326	361	90 -	9	365	38419	38779

UN49958	Rsa1.0_04600.1	1018	16694	1.00E-179	346	355	97 +	651	1005	12273	12627
UN49959	Rsa1.0_14656.1	975	3183	0	412	418	98 -	4	420	2283	2700
UN49960	Rsa1.0_01147.1	977	52391	0	591	596	99 -	1	596	1559	2153
UN49961	Rsa1.0_08338.1	570	7511	0	550	567	97 +	2	567	435	989
UN49962	Rsa1.0_14656.1	906	3183	0	328	329	99 -	1	329	2283	2611
UN49963	Rsa1.0_00336.1	1019	445051	3.00E-97	208	217	95 +	297	513	164727	164943
UN49964	Rsa1.0_01097.1	839	173349	9.00E-94	200	206	97 -	3	206	34536	34740
UN49965	Rsa1.0_71705.1	1078	320	5.00E-96	253	273	92 -	810	1078	54	319
UN49966	Rsa1.0_00948.1	1189	58620	1.00E-124	279	293	95 +	702	991	1582	1872
UN49967	Rsa1.0_00596.1	1130	73578	1.00E-122	243	249	97 +	582	827	10158	10406
UN49968	Rsa1.0_00190.1	597	318240	1.00E-130	289	306	94 -	114	419	314970	315272
UN49969	Rsa1.0_25306.1	924	942	0	595	618	96 -	196	808	329	942
UN49970	Rsa1.0_33731.1	670	672	1.00E-143	304	323	94 +	1	308	345	667
UN49971	Rsa1.0_00522.1	536	78103	1.00E-151	319	332	96 -	2	329	52268	52597
UN49972	Rsa1.0_00067.1	1145	415055	0	371	378	98 -	1	378	301029	301405
UN49973	Rsa1.0_00705.1	734	67505	1.00E-154	384	412	93 -	20	422	30393	30801
UN49974	Rsa1.0_04141.1	882	18864	1.00E-117	215	215	100 +	372	586	16507	16721
UN49975	Rsa1.0_01578.1	1197	42880	0	539	572	94 +	1	559	8335	8906
UN49976	Rsa1.0_00614.1	642	72276	1.00E-128	278	291	95 -	1	288	44076	44366
UN49977	Rsa1.0_05122.1	871	14791	7.00E-73	149	152	98 +	109	260	9142	9293
UN49978	Rsa1.0_00813.1	773	63202	1.00E-100	201	206	97 +	189	394	14295	14500
UN49979	Rsa1.0_00487.1	832	80674	1.00E-133	301	319	94 -	3	317	75851	76169
UN49980	Rsa1.0_00137.1	761	122457	1.00E-151	275	276	99 -	1	276	82827	83102
UN49981	Rsa1.0_00132.1	818	124299	0	494	502	98 +	1	502	52465	52966
UN49982	Rsa1.0_00215.1	1078	201775	1.00E-143	268	270	99 +	810	1078	2172	2441
UN49983	Rsa1.0_00133.1	807	123768	0	411	431	95 -	2	424	9867	10296
UN49984	Rsa1.0_14283.1	909	3580	2.00E-61	121	121	100 +	3	123	3460	3580
UN49985	Rsa1.0_00102.1	376	135497	1.00E-123	241	247	97 +	130	376	51183	51429
UN49986	Rsa1.0_00119.1	819	467509	0	483	493	97 -	327	819	385630	386120
UN49987	Rsa1.0_03075.1	728	25560	1.00E-168	315	320	98 -	289	608	14646	14965
UN49988	Rsa1.0_05148.1	672	14675	0	620	660	93 +	18	672	9454	10110
UN49989	Rsa1.0_00087.1	595	761073	0	563	581	96 +	3	583	580717	581296
UN49990	Rsa1.0_00058.1	622	159921	1.00E-166	359	378	94 +	50	424	118433	118804
UN49991	Rsa1.0_00066.1	1146	152418	0	468	505	92 +	1	502	15020	15504
UN49992	Rsa1.0_01166.1	862	51877	0	451	478	94 +	373	837	37728	38201
UN49993	Rsa1.0_00561.1	1211	75653	0	854	923	92 -	303	1211	4144	5053
UN49994	Rsa1.0_00484.1	697	203294	1.00E-105	228	238	95 -	385	621	143471	143708
UN49995	Rsa1.0_03991.1	883	19675	0	849	879	96 +	3	881	7573	8450
UN49996	Rsa1.0_00460.1	1140	206387	0	381	394	96 +	751	1140	201840	202232

UN49997	Rsa1.0_00146.1	1164	149343	0	935	964	96 -	3	965	67449	68411
UN49998	Rsa1.0_13798.1	751	4320	1.00E-129	243	246	98 +	282	527	3764	4009
UN49999	Rsa1.0_04181.1	1012	18615	0	337	338	99 +	675	1012	1739	2076
UN50000	Rsa1.0_01825.1	866	38725	0	595	613	97 -	254	866	26226	26838
UN50001	Rsa1.0_05900.1	1252	12295	1.00E-123	270	284	95 -	14	294	5008	5288
UN50002	Rsa1.0_00093.1	744	214962	4.00E-68	168	180	93 -	434	613	129882	130061
UN50003	Rsa1.0_00096.1	408	198773	2.00E-56	198	222	89 -	28	246	31167	31385
UN50004	Rsa1.0_00006.1	1056	396176	1.00E-133	280	290	96 +	3	287	221726	222013
UN50005	Rsa1.0_50098.1	992	453	0	447	453	98 +	141	593	1	453
UN50006	Rsa1.0_00104.1	958	368722	0	370	379	97 +	579	957	280249	280626
UN50007	Rsa1.0_00863.1	1104	254535	0	420	435	96 +	7	441	126492	126926
UN50008	Rsa1.0_01586.1	777	42804	1.00E-128	368	403	91 +	377	772	27916	28305
UN50009	Rsa1.0_02478.1	906	150183	1.00E-179	334	339	98 -	376	714	136157	136495
UN50010	Rsa1.0_00218.1	1032	201480	1.00E-135	287	303	94 +	504	795	179382	179684
UN50011	Rsa1.0_16090.1	575	2289	0	469	486	96 -	5	487	953	1438
UN50012	Rsa1.0_00720.1	1232	66931	1.00E-152	304	312	97 +	287	597	55601	55909
UN50013	Rsa1.0_02728.1	807	28400	1.00E-123	293	314	93 +	505	807	26857	27166
UN50014	Rsa1.0_07695.1	790	8770	0	456	477	95 +	3	477	1421	1897
UN50015	Rsa1.0_00656.1	828	69968	1.00E-101	240	258	93 -	512	768	49260	49506
UN50016	Rsa1.0_00128.1	798	228675	0	660	698	94 -	3	699	203994	204684
UN50017	Rsa1.0_01166.1	1073	51877	0	611	615	99 -	458	1072	36965	37579
UN50018	Rsa1.0_00828.1	1106	62744	0	785	786	99 -	2	786	15688	16473
UN50019	Rsa1.0_00222.1	1343	172263	0	655	668	98 -	674	1341	39624	40291
UN50020	Rsa1.0_00297.1	1046	97836	0	372	382	97 +	1	382	26353	26734
UN50021	Rsa1.0_00471.1	786	81897	1.00E-156	342	358	95 +	427	780	65986	66337
UN50022	Rsa1.0_00457.1	922	337301	1.00E-119	289	309	93 +	620	922	130569	130869
UN50023	Rsa1.0_00359.1	900	91256	0	548	573	95 -	3	575	47430	47998
UN50024	Rsa1.0_00571.1	654	329018	0	488	513	95 +	145	654	145078	145590
UN50025	Rsa1.0_06101.1	563	11745	5.00E-88	165	165	100 +	195	359	1	165
UN50026	Rsa1.0_00040.1	1053	324196	6.00E-83	157	157	100 +	214	370	314176	314332
UN50027	Rsa1.0_02286.1	919	32993	0	833	852	97 -	70	919	24152	25003
UN50028	Rsa1.0_00759.1	816	65465	1.00E-161	321	332	96 +	190	521	63940	64271
UN50029	Rsa1.0_00026.1	785	327835	0	573	593	96 -	189	781	27208	27800
UN50030	Rsa1.0_00060.1	828	502678	0	401	420	95 +	410	827	391340	391759
UN50031	Rsa1.0_00067.1	730	415055	1.00E-149	318	335	94 +	2	336	241223	241557
UN50032	Rsa1.0_00016.1	564	831256	1.00E-88	175	178	98 -	76	253	373056	373233
UN50033	Rsa1.0_00227.1	1295	105849	0	654	682	95 +	1	682	102220	102892
UN50034	Rsa1.0_05360.1	1071	14053	1.00E-135	254	257	98 -	125	381	12262	12518
UN50035	Rsa1.0_02950.1	804	26506	1.00E-122	267	282	94 -	301	582	6575	6856

UN50036	Rsa1.0.00003.1	834	340054	1.00E-101	249	271	91 -	8	278	190660	190921
UN50037	Rsa1.0.00152.1	714	257730	0	694	715	97 +	1	712	84829	85542
UN50038	Rsa1.0.06160.1	740	11596	0	432	465	92 +	274	736	10936	11400
UN50039	Rsa1.0.01046.1	908	152989	1.00E-177	318	319	99 -	425	743	127932	128250
UN50040	Rsa1.0.01092.1	769	54348	6.00E-67	136	138	98 +	394	531	51202	51339
UN50041	Rsa1.0.00437.1	875	84879	1.00E-115	290	315	92 +	562	875	22576	22890
UN50042	Rsa1.0.00322.1	836	212233	0	375	376	99 +	68	443	4425	4800
UN50043	Rsa1.0.00037.1	966	307838	1.00E-173	435	480	90 +	521	966	239665	240144
UN50044	Rsa1.0.00623.1	1257	207630	0	695	714	97 -	331	1044	152483	153196
UN50045	Rsa1.0.55266.1	1075	413	1.00E-142	338	365	92 -	4	368	21	370
UN50046	Rsa1.0.01092.1	1139	54348	1.00E-106	255	272	93 +	867	1137	53808	54078
UN50047	Rsa1.0.01338.1	980	155644	0	409	425	96 +	558	980	142949	143373
UN50048	Rsa1.0.00092.1	1120	659932	0	424	450	94 +	5	450	504563	505012
UN50049	Rsa1.0.01732.1	1052	40194	0	778	809	96 -	245	1048	24688	25496
UN50050	Rsa1.0.05909.1	1095	12265	1.00E-118	223	225	99 -	869	1093	4644	4868
UN50051	Rsa1.0.01303.1	1169	48853	0	409	432	94 +	563	994	15251	15682
UN50052	Rsa1.0.00339.1	1143	222974	0	731	845	86 -	8	852	28076	28920
UN50053	Rsa1.0.11080.1	1154	5623	1.00E-173	362	380	95 +	402	781	1789	2168
UN50054	Rsa1.0.07464.1	1050	9328	0	363	373	97 -	1	373	1	373
UN50055	Rsa1.0.00075.1	1190	146680	0	524	547	95 -	643	1189	141258	141803
UN50056	Rsa1.0.00183.1	1035	113277	1.00E-121	279	294	94 +	590	879	67148	67437
UN50057	Rsa1.0.00749.1	1307	65933	0	1252	1320	94 -	1	1307	27894	29210
UN50058	Rsa1.0.00011.1	1039	225044	1.00E-107	239	251	95 +	793	1039	137746	137996
UN50059	Rsa1.0.01029.1	1060	256254	1.00E-170	318	323	98 +	738	1060	245893	246215
UN50060	Rsa1.0.00706.1	1272	291570	1.00E-138	337	366	92 -	3	368	231041	231391
UN50061	Rsa1.0.01149.1	1355	160459	1.00E-103	214	221	96 -	4	221	131637	131857
UN50062	Rsa1.0.00104.1	999	368722	0	990	995	99 -	3	997	74318	75312
UN50063	Rsa1.0.00283.1	1068	183797	1.00E-171	353	367	96 +	3	365	10947	11313
UN50064	Rsa1.0.00755.1	1156	192559	1.00E-93	205	213	96 +	2	212	393	603
UN50065	Rsa1.0.02343.1	1297	32374	0	425	440	96 -	850	1286	27735	28172
UN50066	Rsa1.0.00401.1	1398	244410	0	1388	1409	98 +	1	1398	11536	12941
UN50067	Rsa1.0.00502.1	1255	204180	0	506	517	97 +	1	513	60953	61469
UN50068	Rsa1.0.00363.1	972	90968	1.00E-173	390	419	93 -	565	972	75539	75957
UN50069	Rsa1.0.00838.1	1242	153820	0	325	325	100 -	276	600	34891	35215
UN50070	Rsa1.0.02848.1	574	27329	1.00E-127	349	380	91 +	202	574	8638	9014
UN50071	Rsa1.0.01185.1	1143	149842	1.00E-139	263	267	98 -	397	663	132558	132824
UN50072	Rsa1.0.02431.1	725	31504	0	628	660	95 -	15	672	12965	13622
UN50073	Rsa1.0.04377.1	991	17658	0	899	930	96 +	62	991	5220	6147
UN50074	Rsa1.0.13708.1	830	4447	1.00E-127	274	287	95 -	544	830	3612	3897

UN50075	Rsa1.0_12830.1	1516	5110	1.00E-176	332	336	98 -	1184	1515	327	662
UN50076	Rsa1.0_06313.1	791	11252	1.00E-159	331	347	95 +	84	430	6081	6421
UN50077	Rsa1.0_05978.1	1140	12053	1.00E-99	207	214	96 -	13	222	4482	4695
UN50078	Rsa1.0_00689.1	980	68305	1.00E-178	353	364	96 -	618	980	23515	23878
UN50079	Rsa1.0_13888.1	1073	4146	0	742	804	92 -	278	1073	1870	2670
UN50080	Rsa1.0_03044.1	652	25791	0	426	446	95 -	59	502	6288	6732
UN50081	Rsa1.0_16612.1	492	2091	0	475	506	93 -	3	492	128	628
UN50082	Rsa1.0_00114.1	1013	131330	9.00E-82	164	167	98 +	706	872	129182	129348
UN50083	Rsa1.0_02944.1	1164	26553	0	421	424	99 -	5	428	5275	5698
UN50084	Rsa1.0_01382.1	791	46877	0	387	405	95 -	20	420	13890	14293
UN50085	Rsa1.0_02321.1	666	32572	0	558	572	97 -	1	572	6022	6592
UN50086	Rsa1.0_00335.1	1116	94371	1.00E-171	356	373	95 -	700	1072	42163	42535
UN50087	Rsa1.0_01617.1	962	42127	0	423	423	100 -	2	424	194	616
UN50088	Rsa1.0_00376.1	1071	90101	0	486	510	95 +	553	1058	49557	50056
UN50089	Rsa1.0_48565.1	1352	466	1.00E-108	224	231	96 +	138	366	209	439
UN50090	Rsa1.0_01670.1	903	41260	0	903	904	99 +	1	903	14398	15301
UN50091	Rsa1.0_00437.1	1025	84879	0	428	449	95 -	576	1023	70166	70609
UN50092	Rsa1.0_01104.1	1275	285480	0	364	371	98 +	780	1150	274158	274528
UN50093	Rsa1.0_02556.1	784	30133	0	543	562	96 +	126	687	2960	3521
UN50094	Rsa1.0_00876.1	2358	61328	0	1549	1551	99 -	12	1561	21209	22759
UN50095	Rsa1.0_06530.1	921	10840	1.00E-108	226	231	97 +	39	269	5731	5958
UN50096	Rsa1.0_00079.1	1169	606987	0	625	654	95 -	3	653	4648	5301
UN50097	Rsa1.0_00608.1	936	172672	0	519	545	95 +	392	936	113755	114299
UN50098	Rsa1.0_00552.1	791	206757	0	636	658	96 +	1	655	68020	68677
UN50099	Rsa1.0_02811.1	815	27669	9.00E-97	224	235	95 +	5	237	1289	1521
UN50100	Rsa1.0_00198.1	978	222963	0	386	386	100 +	591	976	136368	136753
UN50101	Rsa1.0_08079.1	974	7942	0	759	784	96 +	192	972	5374	6153
UN50102	Rsa1.0_00383.1	833	398431	8.00E-88	276	318	86 -	549	833	182089	182404
UN50103	Rsa1.0_10486.1	1245	5830	1.00E-149	281	284	98 -	8	291	1743	2025
UN50104	Rsa1.0_00608.1	829	172672	0	461	481	95 +	350	829	113755	114233
UN50105	Rsa1.0_02518.1	964	30586	1.00E-104	240	255	94 -	3	257	29404	29655
UN50106	Rsa1.0_00058.1	1002	159921	0	498	517	96 +	1	516	50907	51423
UN50107	Rsa1.0_00213.1	1039	108167	1.00E-101	238	255	93 +	1	244	93900	94154
UN50108	Rsa1.0_00484.1	870	203294	1.00E-162	292	293	99 -	367	659	50055	50347
UN50109	Rsa1.0_16552.1	583	2116	1.00E-129	273	286	95 -	262	547	1738	2023
UN50110	Rsa1.0_03982.1	1864	19723	0	597	614	97 -	450	1062	3165	3774
UN50111	Rsa1.0_00645.1	726	189716	0	417	441	94 -	119	559	34415	34855
UN50112	Rsa1.0_01829.1	740	166063	0	715	740	96 +	2	740	161042	161779
UN50113	Rsa1.0_04286.1	786	18084	1.00E-132	261	268	97 -	328	595	13076	13343

UN50114	Rsa1.0_04455.1	1204	17266	1.00E-175	391	413	94 -	3	407	12968	13376
UN50115	Rsa1.0_01760.1	883	39730	1.00E-178	348	358	97 +	58	415	1442	1796
UN50116	Rsa1.0_00273.1	1114	326186	1.00E-142	278	285	97 -	828	1112	131075	131355
UN50117	Rsa1.0_00336.1	1085	445051	0	1038	1085	95 +	1	1084	308921	309990
UN50118	Rsa1.0_00761.1	878	65133	1.00E-145	326	344	94 +	537	878	62157	62498
UN50119	Rsa1.0_00326.1	936	171955	1.00E-115	252	265	95 +	672	936	69916	70177
UN50120	Rsa1.0_01220.1	953	161775	2.00E-92	196	201	97 -	604	804	122655	122853
UN50121	Rsa1.0_00752.1	1434	65756	0	363	372	97 -	1	367	32301	32672
UN50122	Rsa1.0_00331.1	819	176754	0	397	410	96 +	1	407	22161	22570
UN50123	Rsa1.0_10042.1	1092	6027	1.00E-167	310	314	98 -	111	424	173	486
UN50124	Rsa1.0_00743.1	1222	177459	0	413	422	97 +	3	424	165819	166240
UN50125	Rsa1.0_00786.1	860	64285	1.00E-108	270	289	93 -	578	860	52427	52710
UN50126	Rsa1.0_04194.1	1065	132734	0	683	708	96 +	356	1063	116698	117399
UN50127	Rsa1.0_00017.1	875	752458	1.00E-128	232	232	100 +	1	232	1804	2035
UN50128	Rsa1.0_02529.1	994	30437	0	435	436	99 +	560	994	2911	3346
UN50129	Rsa1.0_06073.1	1295	11807	0	382	388	98 -	617	1001	3893	4280
UN50130	Rsa1.0_00002.1	917	601661	1.00E-169	364	380	95 +	5	381	555295	555672
UN50131	Rsa1.0_00332.1	1425	94575	0	585	591	98 +	838	1425	59905	60495
UN50132	Rsa1.0_00332.1	584	94575	0	368	382	96 +	3	384	22610	22989
UN50133	Rsa1.0_00327.1	876	94892	1.00E-123	237	241	98 -	217	457	70836	71076
UN50134	Rsa1.0_02732.1	857	28372	5.00E-15	67	75	89 -	617	691	769	843
UN50135	Rsa1.0_01591.1	784	42718	1.00E-136	282	292	96 +	1	284	22515	22805
UN50136	Rsa1.0_00168.1	597	115870	2.33E-156	280	286	97 -	312	597	88689	88974
UN50137	Rsa1.0_00082.1	1080	237584	1.00E-147	307	320	95 +	1	319	14747	15066
UN50138	Rsa1.0_01344.1	949	142535	1.00E-157	427	467	91 -	2	454	130981	131431
UN50139	Rsa1.0_01359.1	1168	47271	1.00E-169	411	450	91 +	2	440	32391	32833
UN50140	Rsa1.0_04801.1	1314	15918	0	365	371	98 -	943	1312	6869	7236
UN50141	Rsa1.0_01278.1	722	49370	1.00E-83	173	178	97 +	294	471	19977	20154
UN50142	Rsa1.0_22496.1	806	1116	3.00E-53	146	154	94 -	658	806	837	990
UN50143	Rsa1.0_00087.1	1118	761073	0	588	609	96 -	122	730	731650	732256
UN50144	Rsa1.0_00001.1	856	363028	0	375	377	99 -	480	856	314883	315259
UN50145	Rsa1.0_01401.1	899	142441	0	537	555	96 -	2	554	132155	132709
UN50146	Rsa1.0_00011.1	809	225044	1.00E-160	395	425	92 +	388	808	207085	207497
UN50147	Rsa1.0_00058.1	710	159921	1.00E-152	326	339	96 -	26	362	48220	48554
UN50148	Rsa1.0_13979.1	824	3964	0	371	378	98 +	442	818	2932	3309
UN50149	Rsa1.0_00070.1	937	150321	0	562	586	95 -	354	937	59034	59616
UN50150	Rsa1.0_01344.1	620	142535	1.00E-157	322	335	96 +	1	335	129986	130312
UN50151	Rsa1.0_27675.1	750	844	0	701	737	95 +	15	750	2	738
UN50152	Rsa1.0_01119.1	1240	53459	1.00E-112	215	218	98 -	350	567	23345	23562

UN50153	Rsa1.0.03552.1	1169	22151	1.00E-108	227	235	96 -	11	244	5645	5879
UN50154	Rsa1.0.00277.1	1064	100132	0	450	468	96 -	1	466	84808	85274
UN50155	Rsa1.0.14816.1	857	3046	0	413	413	100 -	444	856	1898	2310
UN50156	Rsa1.0.03887.1	566	20247	0	562	564	99 +	2	565	18036	18599
UN50157	Rsa1.0.14436.1	897	3393	0	519	545	95 +	10	552	2258	2791
UN50158	Rsa1.0.00369.1	757	266462	2.00E-88	172	174	98 -	2	175	168231	168404
UN50159	Rsa1.0.00220.1	922	192936	0	487	487	100 -	227	713	16394	16880
UN50160	Rsa1.0.02556.1	938	30133	0	661	698	94 -	20	701	4196	4883
UN50161	Rsa1.0.00302.1	1075	97521	1.00E-127	327	356	91 -	2	343	85022	85374
UN50162	Rsa1.0.00997.1	956	57190	1.00E-134	293	306	95 -	36	340	52204	52506
UN50163	Rsa1.0.00398.1	606	88007	0	516	528	97 -	1	528	86445	86969
UN50164	Rsa1.0.03218.1	1069	24539	1.00E-173	384	407	94 +	673	1067	5213	5618
UN50165	Rsa1.0.01042.1	926	293264	0	571	599	95 +	327	924	141476	142066
UN50166	Rsa1.0.01376.1	282	47004	2.00E-98	263	290	90 +	2	282	29511	29789
UN50167	Rsa1.0.23476.1	727	1046	4.00E-89	173	175	98 +	553	727	608	782
UN50168	Rsa1.0.00341.1	391	249309	8.00E-80	227	248	91 -	149	391	114543	114788
UN50169	Rsa1.0.05410.1	798	13840	0	365	376	97 +	93	468	7861	8236
UN50170	Rsa1.0.03170.1	584	24824	4.00E-64	216	245	88 -	3	244	13134	13365
UN50171	Rsa1.0.00378.1	995	89892	0	342	348	98 +	550	897	81481	81828
UN50172	Rsa1.0.04286.1	977	18084	1.00E-117	325	359	90 +	1	358	4044	4392
UN50173	Rsa1.0.03887.1	1076	20247	0	783	818	95 +	216	1032	18202	19019
UN50174	Rsa1.0.05431.1	630	13780	1.00E-165	324	334	97 +	297	630	8836	9169
UN50175	Rsa1.0.01651.1	968	41586	1.00E-133	275	286	96 +	670	955	30453	30738
UN50176	Rsa1.0.01762.1	722	39682	0	435	456	95 -	164	619	1493	1937
UN50177	Rsa1.0.01884.1	372	37659	1.00E-81	179	186	96 -	2	186	17512	17697
UN50178	Rsa1.0.06968.1	890	10090	0	857	895	95 -	2	890	7801	8688
UN50179	Rsa1.0.00355.1	1078	92038	0	481	499	96 +	566	1060	64491	64989
UN50180	Rsa1.0.01591.1	1036	42718	1.00E-136	350	386	90 -	35	420	24117	24487
UN50181	Rsa1.0.00547.1	1016	76521	0	415	443	93 +	1	443	54297	54737
UN50182	Rsa1.0.01278.1	1036	49370	3.00E-88	178	182	97 -	93	274	20617	20798
UN50183	Rsa1.0.14576.1	999	3250	1.00E-169	329	338	97 -	488	825	1681	2018
UN50184	Rsa1.0.00065.1	1146	454616	1.00E-121	292	313	93 -	3	314	191624	191930
UN50185	Rsa1.0.22744.1	497	1098	0	356	358	99 +	3	360	741	1098
UN50186	Rsa1.0.00269.1	917	341668	0	465	479	97 +	2	476	247516	247994
UN50187	Rsa1.0.01048.1	1197	55684	0	327	327	100 -	1	327	44113	44439
UN50188	Rsa1.0.09255.1	1003	6525	0	627	659	95 -	136	790	1257	1911
UN50189	Rsa1.0.08355.1	351	7487	1.00E-164	339	351	96 +	3	351	6502	6850
UN50190	Rsa1.0.00001.1	802	363028	1.00E-151	301	310	97 +	7	316	314953	315259
UN50191	Rsa1.0.01745.1	1518	39905	0	629	629	100 -	3	631	13001	13629

UN50192	Rsa1.0.00547.1	1040	76521	0	396	416	95 -	625	1040	54325	54737
UN50193	Rsa1.0.00015.1	1135	561803	1.00E-130	257	264	97 -	1	264	371807	372070
UN50194	Rsa1.0.00287.1	1092	98687	1.00E-111	228	236	96 +	857	1092	46610	46845
UN50195	Rsa1.0.00176.1	932	240984	2.00E-85	200	214	93 -	33	246	26049	26254
UN50196	Rsa1.0.02415.1	717	31609	1.00E-156	305	311	98 +	409	717	1	310
UN50197	Rsa1.0.00224.1	762	327530	1.00E-128	235	236	99 +	1	236	222173	222408
UN50198	Rsa1.0.01586.1	1201	42804	0	427	457	93 -	747	1200	28047	28496
UN50199	Rsa1.0.02144.1	1307	34630	0	388	390	99 +	914	1303	23103	23492
UN50200	Rsa1.0.00241.1	900	104000	1.00E-149	332	352	94 +	557	900	19355	19703
UN50201	Rsa1.0.19040.1	863	1491	0	442	446	99 -	3	448	953	1398
UN50202	Rsa1.0.01051.1	1499	55577	0	831	846	98 -	1	846	3695	4536
UN50203	Rsa1.0.01540.1	1384	151890	0	1309	1389	94 +	5	1382	142379	143756
UN50204	Rsa1.0.00002.1	916	601661	0	767	777	98 -	58	833	289127	289900
UN50205	Rsa1.0.00184.1	1192	218748	0	792	879	90 -	3	875	43850	44722
UN50206	Rsa1.0.06253.1	845	11385	0	501	522	95 +	333	843	7588	8109
UN50207	Rsa1.0.00067.1	714	415055	1.00E-107	210	214	98 +	269	482	40830	41043
UN50208	Rsa1.0.00419.1	669	86562	1.00E-105	315	358	87 +	318	667	53124	53461
UN50209	Rsa1.0.04126.1	802	18939	1.00E-152	291	297	97 -	150	446	13426	13722
UN50210	Rsa1.0.01552.1	787	43396	0	534	534	100 -	254	787	35223	35756
UN50211	Rsa1.0.00529.1	844	77487	1.00E-108	241	254	94 -	6	259	23092	23342
UN50212	Rsa1.0.01119.1	1074	53459	1.00E-128	327	356	91 -	726	1074	43245	43594
UN50213	Rsa1.0.01493.1	935	44670	0	484	502	96 +	3	504	5423	5924
UN50214	Rsa1.0.05382.1	547	13963	1.00E-103	287	320	89 -	229	547	8272	8569
UN50215	Rsa1.0.14298.1	934	3561	1.00E-62	129	131	98 -	696	826	145	275
UN50216	Rsa1.0.05541.1	833	139959	1.00E-68	265	310	85 -	417	720	653	950
UN50217	Rsa1.0.00273.1	911	326186	9.00E-91	321	362	88 -	561	909	160360	160717
UN50218	Rsa1.0.02017.1	1153	35999	1.00E-133	277	285	97 +	869	1150	26848	27131
UN50219	Rsa1.0.00228.1	785	105511	1.00E-74	149	151	98 -	497	647	40568	40718
UN50220	Rsa1.0.00645.1	1186	189716	0	1158	1185	97 +	3	1186	45126	46309
UN50221	Rsa1.0.04199.1	625	18501	0	537	552	97 -	71	622	6410	6961
UN50222	Rsa1.0.02950.1	731	26506	1.00E-126	266	278	95 -	215	492	6575	6852
UN50223	Rsa1.0.00409.1	1032	146788	0	974	1028	94 -	18	1032	145685	146712
UN50224	Rsa1.0.00398.1	1240	88007	0	473	490	96 -	749	1233	41035	41523
UN50225	Rsa1.0.00863.1	1059	254535	0	523	552	94 -	507	1054	252019	252566
UN50226	Rsa1.0.00998.1	818	57168	1.00E-150	290	297	97 +	308	604	9918	10214
UN50227	Rsa1.0.01992.1	739	36424	0	704	731	96 -	2	732	5527	6257
UN50228	Rsa1.0.23312.1	856	1057	1.00E-166	337	348	96 -	32	377	238	585
UN50229	Rsa1.0.03524.1	1002	22297	1.00E-173	348	360	96 +	643	1000	17950	18309
UN50230	Rsa1.0.00017.1	1086	752458	1.00E-93	243	265	91 +	774	1035	3792	4056

UN50231	Rsa1.0.03267.1	731	24230	0	704	732	96 -	3	731	16704	17435
UN50232	Rsa1.0.00105.1	1247	134138	0	1088	1138	95 +	114	1245	80589	81723
UN50233	Rsa1.0.08255.1	833	7652	1.00E-179	367	382	96 -	51	431	2723	3104
UN50234	Rsa1.0.01062.1	871	55325	0	518	520	99 +	3	522	36635	37153
UN50235	Rsa1.0.00484.1	771	203294	1.00E-141	367	407	90 +	2	385	135668	136074
UN50236	Rsa1.0.00948.1	718	58620	1.00E-101	221	232	95 +	362	593	1011	1242
UN50237	Rsa1.0.00168.1	910	115870	1.00E-133	277	290	95 -	620	909	55426	55706
UN50238	Rsa1.0.05410.1	1005	13840	0	464	490	94 +	430	914	5739	6219
UN50239	Rsa1.0.01540.1	477	151890	0	466	495	94 -	1	476	142470	142964
UN50240	Rsa1.0.00497.1	449	79830	2.00E-77	162	167	97 -	2	168	62413	62579
UN50241	Rsa1.0.01090.1	697	54385	0	527	558	94 -	1	552	45262	45807
UN50242	Rsa1.0.02043.1	692	163754	7.00E-91	195	203	96 -	1	199	145937	146139
UN50243	Rsa1.0.00807.1	671	63607	0	646	670	96 -	2	670	16844	17509
UN50244	Rsa1.0.00970.1	881	57994	4.00E-99	229	244	93 +	67	310	23555	23798
UN50245	Rsa1.0.01425.1	466	46136	1.00E-179	393	416	94 +	40	452	10921	11335
UN50246	Rsa1.0.00075.1	970	146680	0	631	655	96 -	93	747	141186	141838
UN50247	Rsa1.0.01516.1	1040	44196	1.00E-164	350	369	94 +	636	1004	37004	37372
UN50248	Rsa1.0.00502.1	888	204180	1.00E-158	327	338	96 +	1	334	60953	61290
UN50249	Rsa1.0.03400.1	989	23203	0	674	680	99 +	7	685	290	969
UN50250	Rsa1.0.00175.1	720	166121	0	397	406	97 +	313	718	38721	39124
UN50251	Rsa1.0.03231.1	883	24456	1.00E-120	332	368	90 -	4	352	23696	24062
UN50252	Rsa1.0.00124.1	1046	262503	0	423	443	95 +	604	1041	29622	30064
UN50253	Rsa1.0.00131.1	1152	432233	0	570	596	95 -	1	594	34864	35453
UN50254	Rsa1.0.00404.1	403	87635	0	399	403	99 -	1	403	11042	11444
UN50255	Rsa1.0.06209.1	1181	11484	0	524	573	91 -	633	1181	2149	2719
UN50256	Rsa1.0.08062.1	1155	7978	0	457	477	95 -	668	1144	7468	7941
UN50257	Rsa1.0.01786.1	1105	133324	0	810	866	93 -	222	1074	98696	99561
UN50258	Rsa1.0.00308.1	715	96915	1.00E-154	345	366	94 +	351	715	81326	81682
UN50259	Rsa1.0.04458.1	1222	17255	1.00E-156	304	312	97 +	696	1007	7732	8043
UN50260	Rsa1.0.04399.1	784	17543	1.00E-179	336	341	98 +	391	731	9467	9805
UN50261	Rsa1.0.00182.1	1574	142305	0	880	993	88 -	1	962	35829	36793
UN50262	Rsa1.0.00706.1	1050	291570	1.00E-138	293	306	95 +	1	306	229285	229580
UN50263	Rsa1.0.00104.1	1017	368722	0	913	930	98 -	88	1016	71825	72754
UN50264	Rsa1.0.00755.1	1121	192559	5.00E-99	206	211	97 -	914	1121	393	603
UN50265	Rsa1.0.02022.1	1193	35923	1.00E-176	322	325	99 +	869	1193	14042	14366
UN50266	Rsa1.0.06303.1	1000	11268	0	741	782	94 +	16	795	4880	5657
UN50267	Rsa1.0.02947.1	945	26531	1.00E-113	245	255	96 -	693	945	12545	12799
UN50268	Rsa1.0.00111.1	958	390088	1.00E-180	383	399	95 +	526	922	334412	334807
UN50269	Rsa1.0.00657.1	807	69858	1.00E-114	213	214	99 +	344	557	8220	8433

UN50270	Rsa1.0_19989.1	1094	1355	3.00E-91	188	193	97 -	193	385	16	205
UN50271	Rsa1.0_03009.1	1022	26065	1.00E-127	238	240	99 +	102	341	15478	15717
UN50272	Rsa1.0_00701.1	800	67691	5.00E-55	131	138	94 +	204	341	21775	21912
UN50273	Rsa1.0_00306.1	1117	146760	0	507	534	94 +	584	1115	126933	127451
UN50274	Rsa1.0_05501.1	1290	13513	0	483	484	99 +	363	846	8336	8819
UN50275	Rsa1.0_01580.1	1169	42852	0	481	491	97 +	682	1169	31149	31639
UN50276	Rsa1.0_05081.1	890	136103	3.00E-84	165	167	98 -	603	769	2423	2589
UN50277	Rsa1.0_00093.1	904	214962	0	553	554	99 +	11	563	128343	128896
UN50278	Rsa1.0_00991.1	701	143101	0	636	665	95 -	1	655	137872	138536
UN50279	Rsa1.0_05687.1	838	12932	1.00E-104	214	221	96 +	119	339	2496	2716
UN50280	Rsa1.0_00379.1	907	89865	3.00E-87	167	168	99 -	466	633	51509	51676
UN50281	Rsa1.0_04808.1	954	15893	0	533	535	99 -	420	954	11930	12464
UN50282	Rsa1.0_03786.1	798	20879	0	737	741	99 +	2	742	13698	14438
UN50283	Rsa1.0_01000.1	1192	57140	1.00E-136	317	336	94 -	866	1192	40430	40763
UN50284	Rsa1.0_72760.1	1031	315	6.00E-80	152	152	100 +	1	152	72	223
UN50285	Rsa1.0_02248.1	1113	33414	0	993	1011	98 +	107	1111	31778	32788
UN50286	Rsa1.0_09273.1	1073	6511	4.00E-93	222	238	93 -	6	238	1960	2197
UN50287	Rsa1.0_00083.1	1591	442773	0	727	757	96 +	6	761	359676	360429
UN50288	Rsa1.0_08045.1	769	8014	1.00E-171	337	344	97 -	428	769	4995	5336
UN50289	Rsa1.0_00163.1	776	116847	0	454	475	95 -	1	472	83512	83979
UN50290	Rsa1.0_05320.1	783	14158	1.00E-130	245	248	98 +	1	248	1413	1660
UN50291	Rsa1.0_00978.1	1173	57739	1.00E-103	242	258	93 +	917	1172	45327	45584
UN50292	Rsa1.0_01603.1	1146	42468	0	369	384	96 +	2	385	36933	37313
UN50293	Rsa1.0_00108.1	880	478491	0	475	494	96 +	3	491	416398	416891
UN50294	Rsa1.0_01338.1	885	155644	3.00E-84	249	282	88 +	1	282	142232	142494
UN50295	Rsa1.0_02648.1	799	29073	0	395	406	97 -	395	798	25820	26225
UN50296	Rsa1.0_28272.1	1125	821	0	357	363	98 +	10	372	164	525
UN50297	Rsa1.0_01762.1	804	39682	1.00E-138	377	416	90 -	393	786	6860	7267
UN50298	Rsa1.0_13471.1	1566	4802	0	489	522	93 +	1046	1562	3829	4338
UN50299	Rsa1.0_02550.1	1242	291051	1.00E-133	326	351	92 -	10	359	6190	6535
UN50300	Rsa1.0_05431.1	735	13780	0	355	363	97 +	159	521	8836	9198
UN50301	Rsa1.0_00662.1	987	192183	3.00E-81	161	162	99 -	203	364	33402	33562
UN50302	Rsa1.0_06313.1	923	11252	1.00E-158	332	347	95 -	406	752	6081	6421
UN50303	Rsa1.0_19989.1	824	1355	1.00E-107	200	201	99 -	3	203	645	845
UN50304	Rsa1.0_00168.1	1160	115870	1.00E-135	287	301	95 +	690	990	56550	56850
UN50305	Rsa1.0_00090.1	782	273859	0	646	662	97 +	13	674	171812	172471
UN50306	Rsa1.0_01149.1	1313	160459	1.00E-106	225	234	96 +	841	1074	131081	131311
UN50307	Rsa1.0_02671.1	933	28887	1.00E-136	289	302	95 +	632	933	5055	5355
UN50308	Rsa1.0_00605.1	670	73199	1.00E-144	299	312	95 +	1	312	941	1252

UN50309	Rsa1.0.00183.1	1203	113277	0	410	410	100 -	1	410	67148	67557
UN50310	Rsa1.0.00385.1	918	89160	1.00E-154	335	350	95 -	3	346	45744	46092
UN50311	Rsa1.0.00069.1	600	403561	9.00E-84	170	174	97 +	191	364	178478	178651
UN50312	Rsa1.0.00031.1	1327	179862	0	453	485	93 +	101	585	76042	76523
UN50313	Rsa1.0_15314.1	1153	2690	2.00E-80	188	199	94 -	714	912	2177	2372
UN50314	Rsa1.0_00087.1	852	761073	0	503	523	96 +	330	852	731598	732120
UN50315	Rsa1.0.02420.1	640	31580	0	614	638	96 -	3	640	16072	16700
UN50316	Rsa1.0.01212.1	1165	50622	0	860	891	96 +	80	970	49635	50525
UN50317	Rsa1.0.03695.1	999	21329	2.00E-64	220	248	88 +	43	285	9883	10125
UN50318	Rsa1.0.00336.1	1011	445051	0	992	1016	97 -	1	1009	308919	309934
UN50319	Rsa1.0.00009.1	1083	232558	1.00E-100	207	214	96 +	481	694	34010	34223
UN50320	Rsa1.0.01163.1	697	51946	1.00E-147	307	319	96 +	383	695	16052	16368
UN50321	Rsa1.0.00082.1	1176	237584	0	1176	1180	99 +	1	1176	105731	106910
UN50322	Rsa1.0.00648.1	702	70351	1.00E-169	364	387	94 +	119	490	12120	12505
UN50323	Rsa1.0.00006.1	1290	396176	1.00E-143	277	283	97 +	519	801	93153	93435
UN50324	Rsa1.0.00860.1	1272	61789	1.00E-163	324	335	96 -	103	437	13438	13772
UN50325	Rsa1.0.02362.1	792	32190	1.00E-137	255	256	99 -	5	259	5146	5401
UN50326	Rsa1.0.22496.1	966	1116	1.00E-162	346	363	95 -	608	966	628	990
UN50327	Rsa1.0.03560.1	844	22092	1.00E-173	347	360	96 +	381	740	2543	2902
UN50328	Rsa1.0.62479.1	916	367	0	358	365	98 +	27	391	3	367
UN50329	Rsa1.0_14032.1	920	3893	1.00E-135	291	310	93 +	624	918	3098	3407
UN50330	Rsa1.0.02209.1	586	33873	1.00E-118	240	248	96 +	289	536	27456	27703
UN50331	Rsa1.0.05687.1	752	12932	1.00E-171	314	317	99 +	1	317	3418	3734
UN50332	Rsa1.0.02648.1	871	29073	0	406	428	94 -	454	871	25802	26225
UN50333	Rsa1.0.04139.1	1110	18883	1.00E-158	320	330	96 -	1	326	16416	16745
UN50334	Rsa1.0.00026.1	825	327835	0	690	728	94 -	101	825	2726	3453
UN50335	Rsa1.0.00070.1	700	150321	0	402	404	99 -	57	460	59705	60108
UN50336	Rsa1.0.01896.1	827	37512	1.00E-157	287	289	99 -	1	289	23896	24184
UN50337	Rsa1.0.01340.1	891	47805	7.00E-70	264	305	86 -	595	891	20636	20919
UN50338	Rsa1.0.00722.1	1814	66840	0	447	448	99 -	1368	1814	39506	39953
UN50339	Rsa1.0.00978.1	1411	57739	0	1405	1409	99 +	1	1409	26146	27554
UN50340	Rsa1.0.02365.1	1132	32118	1.00E-120	234	239	97 -	50	288	10500	10738
UN50341	Rsa1.0.01376.1	1019	47004	1.00E-116	278	299	92 -	1	296	29440	29728
UN50342	Rsa1.0.04744.1	1222	16154	1.00E-154	339	354	95 +	873	1222	7259	7609
UN50343	Rsa1.0.00034.1	1263	260119	0	736	736	100 +	528	1263	166144	166879
UN50344	Rsa1.0.00369.1	1098	266462	0	431	447	96 -	368	814	169356	169802
UN50345	Rsa1.0.00327.1	935	94892	0	507	538	94 +	192	727	70555	71076
UN50346	Rsa1.0.00277.1	1035	100132	1.00E-127	324	349	92 -	691	1035	83598	83938
UN50347	Rsa1.0_34075.1	904	665	0	380	389	97 -	3	388	9	397

UN50348	Rsa1.0.00234.1	1118	197060	0	398	415	95 +	333	747	144150	144564
UN50349	Rsa1.0.00706.1	922	291570	1.00E-136	289	303	95 +	3	305	229288	229580
UN50350	Rsa1.0.00437.1	776	84879	4.00E-74	202	217	93 +	560	772	22576	22791
UN50351	Rsa1.0.02803.1	831	27715	1.00E-71	177	189	93 +	641	829	11316	11502
UN50352	Rsa1.0.04399.1	1049	17543	1.00E-121	303	330	91 -	188	517	9928	10257
UN50353	Rsa1.0.01374.1	809	47047	1.00E-144	266	268	99 -	542	809	27515	27782
UN50354	Rsa1.0.01338.1	940	155644	0	411	425	96 -	2	426	142946	143370
UN50355	Rsa1.0.02508.1	793	30675	2.00E-79	237	264	89 -	5	254	3096	3353
UN50356	Rsa1.0.04195.1	1068	18528	1.00E-128	239	241	99 +	739	979	11857	12097
UN50357	Rsa1.0.01012.1	1064	56836	0	485	524	92 -	208	727	30849	31372
UN50358	Rsa1.0.04458.1	826	17255	1.00E-160	311	319	97 -	215	533	7725	8043
UN50359	Rsa1.0.03527.1	602	22278	0	357	364	98 -	1	363	18596	18958
UN50360	Rsa1.0.01997.1	1063	158416	0	591	610	96 +	465	1063	145620	146227
UN50361	Rsa1.0.01732.1	624	40194	0	433	449	96 -	176	624	25065	25513
UN50362	Rsa1.0.00163.1	1550	116847	0	464	492	94 -	6	496	83512	83996
UN50363	Rsa1.0.21327.1	825	1215	1.00E-101	191	192	99 -	1	192	1	192
UN50364	Rsa1.0.01029.1	620	256254	1.00E-114	215	217	99 -	403	619	245143	245359
UN50365	Rsa1.0.01660.1	602	41400	1.00E-174	369	389	94 -	95	483	30402	30790
UN50366	Rsa1.0.02429.1	940	31527	3.00E-60	220	247	89 +	1	236	29078	29320
UN50367	Rsa1.0.06179.1	1064	11548	0	419	435	96 +	129	563	8573	9006
UN50368	Rsa1.0.00039.1	1052	296927	1.00E-139	311	328	94 -	1	328	82015	82340
UN50369	Rsa1.0.04823.1	833	15840	1.00E-142	257	257	100 -	5	261	12735	12991
UN50370	Rsa1.0.02648.1	782	29073	1.00E-150	299	309	96 +	85	393	25917	26225
UN50371	Rsa1.0.02593.1	932	29744	1.00E-114	246	257	95 -	675	929	28784	29040
UN50372	Rsa1.0.19036.1	1361	1492	1.00E-115	328	360	91 +	1	354	558	909
UN50373	Rsa1.0.05489.1	1076	13562	0	684	719	95 +	1	710	12190	12894
UN50374	Rsa1.0.02883.1	783	27035	0	386	393	98 -	388	780	3064	3456
UN50375	Rsa1.0.14918.1	716	2967	1.00E-137	293	305	96 +	413	716	1	301
UN50376	Rsa1.0.01344.1	893	142535	1.00E-155	330	344	95 -	548	891	129974	130312
UN50377	Rsa1.0.01012.1	950	56836	0	747	783	95 -	169	948	30597	31375
UN50378	Rsa1.0.02295.1	784	149884	1.00E-135	296	313	94 +	472	784	12460	12763
UN50379	Rsa1.0.01382.1	771	46877	0	387	405	95 +	358	758	13890	14293
UN50380	Rsa1.0.02358.1	1624	32213	0	931	946	98 +	491	1436	7909	8854
UN50381	Rsa1.0.00108.1	449	478491	0	402	409	98 +	37	445	114681	115087
UN50382	Rsa1.0.01012.1	758	56836	1.00E-165	417	456	91 -	2	452	30849	31304
UN50383	Rsa1.0.00710.1	1003	67325	1.00E-111	331	370	89 -	1	365	26519	26878
UN50384	Rsa1.0.03786.1	960	20879	0	807	811	99 -	3	811	14127	14937
UN50385	Rsa1.0.04618.1	890	16623	0	553	578	95 -	1	569	2856	3433
UN50386	Rsa1.0.01489.1	1134	44764	1.00E-176	406	429	94 -	714	1134	49	469

UN50387	Rsa1.0.01303.1	806	48853	0	542	563	96 +	215	776	15291	15847
UN50388	Rsa1.0.00260.1	913	102021	0	418	436	95 -	192	627	63807	64242
UN50389	Rsa1.0.01493.1	1028	44670	1.00E-178	374	389	96 +	639	1027	7846	8227
UN50390	Rsa1.0.00218.1	1093	201480	0	651	682	95 +	250	928	177033	177714
UN50391	Rsa1.0.00382.1	1112	251946	1.00E-118	274	289	94 -	816	1103	34566	34848
UN50392	Rsa1.0.00490.1	1291	186713	0	1246	1246	100 +	46	1291	166594	167839
UN50393	Rsa1.0.00327.1	899	94892	0	658	698	94 -	207	899	70402	71076
UN50394	Rsa1.0.01376.1	1046	47004	1.00E-175	315	316	99 +	731	1046	29432	29747
UN50395	Rsa1.0.08165.1	718	7806	5.00E-67	133	134	99 +	128	261	2273	2406
UN50396	Rsa1.0.04399.1	1138	17543	1.00E-178	409	437	93 +	642	1076	9928	10360
UN50397	Rsa1.0.00119.1	1261	467509	0	413	432	95 +	1	430	46341	46766
UN50398	Rsa1.0.01163.1	609	51946	1.00E-128	258	265	97 +	345	609	16052	16315
UN50399	Rsa1.0.02947.1	940	26531	1.00E-126	261	270	96 +	1	269	12530	12799
UN50400	Rsa1.0.03037.1	892	25825	1.00E-176	344	353	97 +	539	890	5163	5515
UN50401	Rsa1.0.26014.1	996	910	1.00E-111	240	250	96 -	741	990	281	525
UN50402	Rsa1.0.05376.1	898	13977	0	631	643	98 +	258	898	5384	6024
UN50403	Rsa1.0.08194.1	1332	7757	1.00E-107	204	206	99 -	840	1045	5566	5771
UN50404	Rsa1.0.05611.1	712	13193	0	473	486	97 +	2	487	2594	3075
UN50405	Rsa1.0.11462.1	854	5500	0	811	858	94 +	1	850	2312	3169
UN50406	Rsa1.0.00755.1	1036	192559	1.00E-90	200	208	96 -	833	1036	396	603
UN50407	Rsa1.0.00017.1	1357	752458	1.00E-120	313	340	92 -	1022	1350	154938	155271
UN50408	Rsa1.0.00104.1	801	368722	0	713	727	98 +	1	727	74397	75123
UN50409	Rsa1.0.00436.1	751	85008	1.00E-147	307	322	95 -	183	497	78092	78413
UN50410	Rsa1.0.01170.1	762	161131	1.00E-125	249	256	97 +	12	267	130490	130745
UN50411	Rsa1.0.00605.1	1167	73199	1.00E-157	324	334	97 +	840	1167	2322	2654
UN50412	Rsa1.0.08617.1	1387	7124	0	1126	1176	95 -	143	1301	373	1548
UN50413	Rsa1.0.00978.1	1466	57739	0	1110	1140	97 -	11	1141	26362	27499
UN50414	Rsa1.0.00218.1	1136	201480	0	778	846	91 +	221	1065	177033	177865
UN50415	Rsa1.0.01662.1	1093	41382	1.00E-163	298	300	99 +	792	1091	24604	24903
UN50416	Rsa1.0.00382.1	1018	251946	1.00E-148	324	339	95 +	1	338	242909	243245
UN50417	Rsa1.0.00549.1	812	76473	1.00E-122	289	312	92 +	5	316	13029	13327
UN50418	Rsa1.0.00234.1	688	197060	1.00E-143	284	293	96 -	285	577	143774	144066
UN50419	Rsa1.0.00369.1	1068	266462	0	409	420	97 -	341	760	192827	193246
UN50420	Rsa1.0.01376.1	708	47004	1.00E-103	272	295	92 -	1	290	29432	29714
UN50421	Rsa1.0.00422.1	601	86144	0	436	464	93 +	149	601	16094	16557
UN50422	Rsa1.0.02826.1	709	27560	1.00E-168	379	410	92 +	1	386	25783	26192
UN50423	Rsa1.0.00327.1	1090	94892	0	1060	1092	97 -	1	1086	69876	70959
UN50424	Rsa1.0.01338.1	957	155644	0	428	440	97 -	1	440	142949	143388
UN50425	Rsa1.0.00722.1	711	66840	1.00E-161	310	316	98 +	71	386	41419	41733

UN50426	Rsa1.0.00414.1	1040	202190	1.00E-129	247	251	98 +	1	251	195812	196062
UN50427	Rsa1.0.00218.1	1085	201480	0	784	853	91 -	2	853	174782	175609
UN50428	Rsa1.0.00790.1	1164	148693	1.00E-127	237	239	99 +	924	1162	143652	143890
UN50429	Rsa1.0.00180.1	857	114581	1.00E-131	301	319	94 +	2	315	34754	35066
UN50430	Rsa1.0.00168.1	975	115870	1.00E-171	326	333	97 +	263	595	88498	88830
UN50431	Rsa1.0.00382.1	993	251946	1.00E-135	319	340	93 +	8	343	242915	243245
UN50432	Rsa1.0.02173.1	885	34318	0	422	433	97 +	461	885	31435	31867
UN50433	Rsa1.0.00075.1	883	146680	1.00E-168	341	351	97 -	535	883	141896	142244
UN50434	Rsa1.0.02365.1	1025	32118	1.00E-129	250	255	98 +	744	998	10500	10754
UN50435	Rsa1.0.00260.1	1077	102021	0	420	436	96 +	271	706	63807	64242
UN50436	Rsa1.0.03769.1	504	20955	1.00E-135	268	276	97 +	229	504	9840	10115
UN50437	Rsa1.0.01786.1	1053	133324	0	791	844	93 -	212	1053	95992	96827
UN50438	Rsa1.0.00722.1	710	66840	1.00E-153	305	315	96 +	51	365	41419	41733
UN50439	Rsa1.0.01144.1	385	52431	0	331	333	99 -	1	333	24893	25225
UN50440	Rsa1.0.00414.1	1186	202190	1.00E-121	240	245	97 +	75	318	195818	196062
UN50441	Rsa1.0.00218.1	1052	201480	0	790	848	93 +	208	1051	174782	175609
UN50442	Rsa1.0.00414.1	1212	202190	2.33E-156	362	390	92 +	1	387	195675	196062
UN50443	Rsa1.0.00143.1	972	121313	0	566	572	98 +	401	971	9887	10458
UN50444	Rsa1.0.01144.1	1009	52431	1.00E-90	248	274	90 -	1	260	24893	25165
UN50445	Rsa1.0.01786.1	1104	133324	0	783	841	93 -	268	1104	95997	96827
UN50446	Rsa1.0.00143.1	926	121313	0	512	532	96 -	1	531	9887	10410
UN50447	Rsa1.0.00468.1	580	82095	1.00E-172	372	392	94 -	190	579	34586	34975
UN50448	Rsa1.0.00260.1	949	102021	0	420	436	96 -	191	626	63807	64242
UN50449	Rsa1.0.00092.1	1156	659932	1.00E-107	256	278	92 -	2	279	340621	340886
UN50450	Rsa1.0.06209.1	944	11484	1.00E-145	277	282	98 +	426	707	3388	3669
UN50451	Rsa1.0.06209.1	1108	11484	0	466	496	93 -	612	1107	2233	2719
UN50452	Rsa1.0.00108.1	1166	478491	1.00E-131	254	258	98 -	3	260	121672	121928
UN50453	Rsa1.0.00001.1	890	363028	0	460	496	92 -	1	496	266567	267044
UN50454	Rsa1.0.02950.1	447	26506	1.00E-115	241	251	96 -	2	252	6575	6825
UN50455	Rsa1.0.06209.1	1075	11484	0	472	487	96 +	3	483	2233	2719
UN50456	Rsa1.0.06209.1	1199	11484	0	529	581	91 +	2	569	2148	2719
UN50457	Rsa1.0.02662.1	686	28956	7.00E-97	186	188	98 +	199	386	10660	10847
UN50458	Rsa1.0.01536.1	910	43747	0	632	651	97 -	1	644	24193	24842
UN50459	Rsa1.0.00642.1	1145	201230	1.00E-142	390	431	90 +	738	1143	161688	162114
UN50460	Rsa1.0.01296.1	805	49035	0	395	412	95 -	397	805	35545	35953
UN50461	Rsa1.0.00185.1	540	248445	2.00E-65	140	143	97 +	272	413	238605	238747
UN50462	Rsa1.0.04581.1	1078	16772	1.00E-164	300	301	99 +	779	1078	6485	6785
UN50463	Rsa1.0.00697.1	670	67913	2.33E-156	362	395	91 +	1	391	31775	32153
UN50464	Rsa1.0.00128.1	1047	228675	0	751	752	99 +	294	1045	177660	178411

UN50465	Rsa1.0.00596.1	782	73578	5.00E-92	226	243	93 +	541	782	28854	29085
UN50466	Rsa1.0.07149.1	918	9824	0	408	418	97 +	1	410	828	1245
UN50467	Rsa1.0.13592.1	351	4685	1.00E-140	252	252	100 +	100	351	2791	3042
UN50468	Rsa1.0.01951.1	1101	36941	0	539	601	89 -	505	1095	10900	11485
UN50469	Rsa1.0.00120.1	697	277288	0	332	333	99 -	1	333	253442	253774
UN50470	Rsa1.0.01789.1	1102	39250	1.00E-161	292	293	99 -	810	1102	7441	7733
UN50471	Rsa1.0.07591.1	638	9060	1.00E-131	282	294	95 -	1	293	6177	6469
UN50472	Rsa1.0.00163.1	858	116847	0	515	550	93 +	309	853	37083	37625
UN50473	Rsa1.0.00196.1	863	109960	0	438	453	96 +	423	861	19288	19740
UN50474	Rsa1.0.14674.1	1229	3167	0	560	576	97 -	656	1227	2206	2779
UN50475	Rsa1.0.03434.1	512	22960	1.00E-122	268	280	95 -	235	512	12200	12476
UN50476	Rsa1.0.04254.1	779	18258	0	425	446	95 -	242	687	14250	14695
UN50477	Rsa1.0.02076.1	738	153121	0	419	444	94 +	27	457	14605	15048
UN50478	Rsa1.0.09339.1	730	6444	0	401	402	99 -	5	406	4728	5129
UN50479	Rsa1.0.00056.1	993	332604	0	877	912	96 +	4	913	7845	8746
UN50480	Rsa1.0.01796.1	518	39154	2.00E-50	204	234	87 +	295	515	6789	7022
UN50481	Rsa1.0.00715.1	494	67116	0	450	489	92 -	1	489	63717	64188
UN50482	Rsa1.0.06530.1	972	10840	1.00E-110	283	300	94 +	1	295	5665	5958
UN50483	Rsa1.0.02923.1	713	26736	0	614	665	92 -	17	681	14986	15645
UN50484	Rsa1.0.06313.1	1291	11252	1.00E-169	337	350	96 +	533	882	6081	6421
UN50485	Rsa1.0.00611.1	763	72410	0	377	387	97 -	377	763	15083	15467
UN50486	Rsa1.0.01887.1	676	37564	0	425	428	99 +	8	435	14806	15233
UN50487	Rsa1.0.02310.1	608	32735	1.00E-149	336	359	93 +	250	606	30017	30366
UN50488	Rsa1.0.01422.1	1164	46172	0	523	527	99 +	3	529	10137	10663
UN50489	Rsa1.0.00583.1	774	74309	1.00E-166	326	336	97 +	323	658	71950	72285
UN50490	Rsa1.0.06571.1	942	10750	9.00E-91	270	299	90 -	3	299	6156	6444
UN50491	Rsa1.0.01389.1	1006	46716	0	387	397	97 +	8	404	9773	10165
UN50492	Rsa1.0.00245.1	1156	103569	0	556	563	98 +	594	1156	46218	46779
UN50493	Rsa1.0.01371.1	740	47079	0	724	754	96 +	2	740	32289	33039
UN50494	Rsa1.0.00185.1	888	248445	0	530	533	99 -	356	888	246052	246584
UN50495	Rsa1.0.00583.1	781	74309	1.00E-175	330	336	98 -	123	458	71950	72285
UN50496	Rsa1.0.00636.1	880	71113	1.00E-138	268	273	98 +	145	417	56802	57072
UN50497	Rsa1.0.03435.1	637	22958	1.00E-150	294	302	97 -	120	421	21976	22277
UN50498	Rsa1.0.00556.1	701	207212	0	630	651	96 -	47	697	135324	135974
UN50499	Rsa1.0.00251.1	571	303968	2.33E-156	295	303	97 +	3	303	130101	130403
UN50500	Rsa1.0.02655.1	788	29027	1.00E-168	343	355	96 -	38	390	16785	17134
UN50501	Rsa1.0.03107.1	1031	25349	0	475	498	95 +	446	943	13819	14315
UN50502	Rsa1.0.00782.1	803	64468	0	732	779	93 +	23	800	47440	48192
UN50503	Rsa1.0.03593.1	1185	21869	0	440	446	98 -	312	757	2156	2601

UN50504	Rsa1.0_01495.1	848	44613	0	443	467	94 -	280	745	19384	19847
UN50505	Rsa1.0_00620.1	851	71985	0	424	443	95 +	351	792	54806	55248
UN50506	Rsa1.0_08285.1	1393	7606	0	548	563	97 +	509	1071	2625	3187
UN50507	Rsa1.0_00033.1	863	515811	0	504	529	95 +	1	526	485085	485610
UN50508	Rsa1.0_00396.1	791	88242	1.00E-174	597	689	86 +	61	742	60777	61458
UN50509	Rsa1.0_00446.1	684	167829	0	363	374	97 -	17	390	129961	130333
UN50510	Rsa1.0_03568.1	913	22048	0	690	698	98 +	217	913	18572	19269
UN50511	Rsa1.0_66827.1	1042	343	1.00E-161	303	308	98 +	562	869	36	343
UN50512	Rsa1.0_00706.1	709	291570	1.00E-162	334	348	95 -	3	350	21539	21884
UN50513	Rsa1.0_00342.1	650	93695	1.00E-106	206	208	99 -	14	221	32256	32462
UN50514	Rsa1.0_01355.1	547	47303	3.00E-92	200	208	96 -	203	410	25986	26192
UN50515	Rsa1.0_02069.1	682	35425	1.00E-149	337	360	93 -	270	620	20713	21072
UN50516	Rsa1.0_02157.1	832	149652	1.00E-106	242	257	94 +	1	257	12871	13118
UN50517	Rsa1.0_00497.1	1062	79830	0	360	368	97 +	2	369	75694	76061
UN50518	Rsa1.0_05878.1	1017	12344	1.00E-145	305	316	96 -	701	1016	8190	8501
UN50519	Rsa1.0_07894.1	833	8347	0	392	402	97 -	1	401	4946	5346
UN50520	Rsa1.0_00124.1	698	262503	1.00E-116	302	328	92 -	374	697	14127	14444
UN50521	Rsa1.0_08910.1	1400	6798	1.00E-93	175	175	100 -	857	1031	1064	1238
UN50522	Rsa1.0_00457.1	703	337301	0	562	594	94 +	1	584	334143	334731
UN50523	Rsa1.0_08559.1	1001	7197	0	594	595	99 -	1	594	3619	4213
UN50524	Rsa1.0_00082.1	1438	237584	1.00E-127	234	235	99 -	734	968	137067	137301
UN50525	Rsa1.0_00340.1	1274	305782	1.00E-129	258	266	96 -	1001	1266	188890	189155
UN50526	Rsa1.0_00033.1	834	515811	0	670	708	94 +	135	833	481857	482563
UN50527	Rsa1.0_01414.1	990	149508	7.00E-30	138	160	86 +	637	796	130374	130532
UN50528	Rsa1.0_02456.1	782	31222	0	736	770	95 +	11	780	14625	15375
UN50529	Rsa1.0_08916.1	1046	6792	0	990	1000	99 +	47	1046	5451	6450
UN50530	Rsa1.0_00050.1	954	237174	0	526	540	97 +	1	531	234669	235208
UN50531	Rsa1.0_01896.1	838	37512	0	792	841	94 +	3	835	6314	7153
UN50532	Rsa1.0_00414.1	1204	202190	1.00E-129	309	332	93 +	1	332	77606	77933
UN50533	Rsa1.0_00078.1	781	175053	2.00E-97	202	209	96 -	415	623	141775	141983
UN50534	Rsa1.0_01444.1	824	169539	0	453	492	92 -	6	471	146885	147375
UN50535	Rsa1.0_00123.1	887	325650	0	471	477	98 -	412	887	109845	110321
UN50536	Rsa1.0_04747.1	783	16147	0	610	662	92 +	57	712	2161	2815
UN50537	Rsa1.0_00510.1	711	78718	0	506	515	98 -	7	519	12937	13451
UN50538	Rsa1.0_01104.1	1504	285480	0	381	399	95 -	1	399	10212	10610
UN50539	Rsa1.0_02726.1	1044	28404	0	419	420	99 -	1	420	22727	23146
UN50540	Rsa1.0_00032.1	632	306326	0	603	626	96 -	2	627	270896	271516
UN50541	Rsa1.0_03303.1	900	23890	0	646	671	96 +	1	668	9587	10250
UN50542	Rsa1.0_01829.1	820	166063	0	818	820	99 -	1	820	160961	161780

UN50543	Rsa1.0.00075.1	844	146680	0	354	354	100 -	1	354	26868	27221
UN50544	Rsa1.0.05688.1	954	12931	1.00E-172	310	311	99 +	1	311	364	674
UN50545	Rsa1.0.00926.1	1011	195072	0	472	495	95 +	1	492	41587	42072
UN50546	Rsa1.0.00009.1	670	232558	0	549	560	98 +	8	567	17497	18056
UN50547	Rsa1.0.00109.1	868	132735	1.00E-163	292	292	100 +	4	295	85150	85441
UN50548	Rsa1.0.01758.1	1093	39747	0	402	415	96 +	338	752	37154	37568
UN50549	Rsa1.0.15795.1	814	2418	1.00E-106	199	200	99 -	2	201	1881	2080
UN50550	Rsa1.0.00310.1	714	96852	0	641	664	96 -	46	703	3223	3884
UN50551	Rsa1.0.00215.1	876	201775	1.00E-135	313	333	93 -	1	331	2172	2495
UN50552	Rsa1.0.00051.1	918	258225	0	716	750	95 +	9	749	93868	94615
UN50553	Rsa1.0.11409.1	1005	5515	1.00E-147	292	303	96 -	1	292	3734	4036
UN50554	Rsa1.0.00088.1	970	141341	1.00E-151	303	312	97 +	1	312	5598	5908
UN50555	Rsa1.0.00497.1	1046	79830	0	812	812	100 -	1	812	48270	49081
UN50556	Rsa1.0.01996.1	719	36327	2.33E-156	283	290	97 -	100	389	28812	29101
UN50557	Rsa1.0.09583.1	1100	6270	0	380	385	98 +	576	960	5886	6270
UN50558	Rsa1.0.00090.1	693	273859	0	488	508	96 +	185	685	148579	149084
UN50559	Rsa1.0.07000.1	1408	10049	0	357	364	98 +	720	1083	3095	3458
UN50560	Rsa1.0.05161.1	1132	14631	1.00E-163	336	351	95 +	3	353	8345	8695
UN50561	Rsa1.0.00083.1	1058	442773	0	766	801	95 +	265	1058	319657	320451
UN50562	Rsa1.0.32336.1	865	704	1.00E-105	230	238	96 -	590	824	427	663
UN50563	Rsa1.0.05822.1	669	12521	0	483	504	95 +	171	669	11655	12156
UN50564	Rsa1.0.01462.1	556	45231	1.00E-157	281	281	100 -	276	556	25445	25725
UN50565	Rsa1.0.02456.1	609	31222	1.00E-79	212	229	92 +	2	224	23781	24005
UN50566	Rsa1.0.00812.1	752	63233	1.00E-109	204	205	99 -	3	207	4229	4433
UN50567	Rsa1.0.00185.1	600	248445	1.00E-135	297	312	95 -	2	311	4378	4689
UN50568	Rsa1.0.02152.1	682	34558	0	573	607	94 +	22	616	26461	27067
UN50569	Rsa1.0.03925.1	567	20025	1.00E-115	234	242	96 +	1	242	3495	3736
UN50570	Rsa1.0.08072.1	952	7955	0	370	371	99 -	582	952	5956	6326
UN50571	Rsa1.0.00195.1	631	251884	1.00E-103	233	249	93 +	383	631	83583	83820
UN50572	Rsa1.0.08902.1	1049	6805	0	752	765	98 +	286	1049	4643	5407
UN50573	Rsa1.0.04602.1	728	16684	0	358	362	98 -	365	726	16323	16684
UN50574	Rsa1.0.35485.1	804	638	0	395	397	99 -	118	514	242	638
UN50575	Rsa1.0.03956.1	620	19872	1.00E-147	317	333	95 -	25	351	16858	17190
UN50576	Rsa1.0.16298.1	1308	2209	0	628	643	97 -	676	1308	392	1034
UN50577	Rsa1.0.00213.1	519	108167	6.00E-66	253	296	85 +	250	518	39822	40110
UN50578	Rsa1.0.00476.1	881	280966	1.00E-134	288	303	95 -	288	590	246593	246895
UN50579	Rsa1.0.60174.1	524	381	1.00E-108	251	268	93 -	246	504	1	268
UN50580	Rsa1.0.01126.1	837	53127	0	493	516	95 +	322	836	7555	8062
UN50581	Rsa1.0.07466.1	1112	9321	0	565	569	99 -	537	1104	6150	6718

UN50582	Rsa1.0.00045.1	955	328694	0	369	380	97 -	581	955	245028	245406
UN50583	Rsa1.0.00239.1	953	104332	1.00E-159	301	304	99 -	652	953	15170	15472
UN50584	Rsa1.0.01300.1	532	48942	1.00E-111	265	287	92 +	11	285	47253	47536
UN50585	Rsa1.0.02409.1	654	31663	1.00E-163	294	295	99 +	356	650	12015	12309
UN50586	Rsa1.0.00011.1	778	225044	1.00E-103	203	206	98 -	575	778	191859	192064
UN50587	Rsa1.0.00092.1	611	659932	3.00E-99	272	304	89 -	1	289	325333	325633
UN50588	Rsa1.0.01111.1	1044	53669	1.00E-142	337	359	93 -	693	1043	39889	40244
UN50589	Rsa1.0.00379.1	1210	89865	0	489	508	96 -	6	507	52174	52681
UN50590	Rsa1.0.00157.1	923	245832	5.00E-77	174	183	95 -	370	552	183436	183618
UN50591	Rsa1.0.05739.1	966	12778	0	371	382	97 -	527	908	2243	2624
UN50592	Rsa1.0.00589.1	972	209965	0	968	969	99 -	4	972	6241	7209
UN50593	Rsa1.0.00394.1	895	148426	0	537	550	97 -	1	543	67486	68035
UN50594	Rsa1.0.06978.1	587	10073	1.00E-159	302	308	98 -	40	347	2434	2741
UN50595	Rsa1.0.00046.1	763	320315	1.00E-169	356	371	95 -	1	368	29574	29942
UN50596	Rsa1.0.13774.1	648	4351	1.00E-92	229	245	93 -	394	631	1090	1334
UN50597	Rsa1.0.01930.1	212	37189	2.00E-91	194	202	96 +	7	208	1108	1309
UN50598	Rsa1.0.00624.1	980	71773	0	358	361	99 +	618	978	25390	25750
UN50599	Rsa1.0.00482.1	200	81162	5.00E-30	70	71	98 +	4	74	5324	5394
UN50600	Rsa1.0.08725.1	1065	6997	7.00E-98	231	245	94 +	634	876	6362	6605
UN50601	Rsa1.0.00737.1	1009	66432	0	479	487	98 +	7	493	61562	62048
UN50602	Rsa1.0.02719.1	598	28428	0	559	598	93 -	1	598	9909	10487
UN50603	Rsa1.0.00315.1	1212	96426	1.00E-166	318	325	97 -	796	1120	19281	19605
UN50604	Rsa1.0.00087.1	875	761073	3.00E-75	150	152	98 -	59	210	294730	294881
UN50605	Rsa1.0.00252.1	738	102760	1.00E-140	274	280	97 +	409	687	43752	44031
UN50606	Rsa1.0.00875.1	1116	61371	0	431	431	100 +	1	431	58201	58631
UN50607	Rsa1.0.00469.1	1267	82084	1.00E-162	300	302	99 -	2	303	69939	70239
UN50608	Rsa1.0.01492.1	923	44704	1.00E-154	277	277	100 +	1	277	4583	4859
UN50609	Rsa1.0.00205.1	709	193401	1.00E-119	239	246	97 -	251	496	98206	98451
UN50610	Rsa1.0.00097.1	707	138858	1.00E-167	339	351	96 +	294	639	59426	59776
UN50611	Rsa1.0.01811.1	558	38977	0	413	426	96 -	4	421	26394	26819
UN50612	Rsa1.0.00131.1	872	432233	1.00E-171	405	436	92 +	436	871	96212	96630
UN50613	Rsa1.0.01957.1	770	36844	0	716	762	93 -	2	763	16796	17554
UN50614	Rsa1.0.00001.1	781	363028	1.00E-150	315	329	95 +	193	515	323550	323878
UN50615	Rsa1.0.00124.1	1220	262503	0	1106	1182	93 +	30	1185	59992	61173
UN50616	Rsa1.0.03238.1	683	24432	3.00E-96	220	231	95 -	8	237	18219	18448
UN50617	Rsa1.0.02234.1	792	33618	0	508	509	99 +	5	513	4026	4534
UN50618	Rsa1.0.00029.1	633	272992	1.00E-165	300	302	99 +	332	633	23298	23599
UN50619	Rsa1.0.00065.1	927	454616	0	573	595	96 +	306	897	254496	255090
UN50620	Rsa1.0.00078.1	599	175053	1.00E-179	483	538	89 -	1	519	66466	67002

UN50621	Rsa1.0.00046.1	650	320315	1.00E-112	246	257	95 -	1	255	29574	29829
UN50622	Rsa1.0.00094.1	715	139042	1.00E-100	233	248	93 +	478	715	119349	119594
UN50623	Rsa1.0.00451.1	1216	322533	1.00E-93	216	232	93 -	255	486	284872	285091
UN50624	Rsa1.0.00007.1	640	239325	0	399	410	97 -	231	640	119532	119941
UN50625	Rsa1.0.00087.1	1229	761073	1.00E-138	262	266	98 +	640	905	274293	274558
UN50626	Rsa1.0.01580.1	1172	42852	0	407	417	97 -	1	414	31149	31564
UN50627	Rsa1.0.00978.1	452	57739	1.00E-155	312	322	96 -	3	324	42690	43010
UN50628	Rsa1.0.00001.1	444	363028	1.00E-57	164	176	93 +	2	175	313391	313562
UN50629	Rsa1.0.02239.1	800	33534	0	440	452	97 +	2	451	14804	15252
UN50630	Rsa1.0.04352.1	633	17779	0	528	553	95 -	1	547	12118	12666
UN50631	Rsa1.0.01730.1	751	40223	0	426	445	95 +	305	741	35176	35620
UN50632	Rsa1.0.33048.1	1184	687	1.00E-121	571	682	83 +	233	909	1	668
UN50633	Rsa1.0.02123.1	1513	149053	0	516	519	99 -	453	971	32143	32661
UN50634	Rsa1.0.08223.1	882	7700	0	462	463	99 +	420	882	6338	6800
UN50635	Rsa1.0.01498.1	641	44558	0	613	638	96 -	3	640	35684	36318
UN50636	Rsa1.0.00077.1	1171	145005	0	586	588	99 +	2	589	89602	90189
UN50637	Rsa1.0.00033.1	708	515811	1.00E-61	194	219	88 +	504	706	35164	35381
UN50638	Rsa1.0.01760.1	1545	39730	1.00E-147	320	336	95 +	3	338	11091	11423
UN50639	Rsa1.0.01126.1	945	53127	0	654	708	92 -	3	707	27997	28672
UN50640	Rsa1.0.00813.1	457	63202	0	432	458	94 +	1	457	18515	18969
UN50641	Rsa1.0.07440.1	581	9389	1.00E-158	300	306	98 -	28	333	6268	6573
UN50642	Rsa1.0.00727.1	789	66724	1.00E-124	229	230	99 +	210	439	30553	30782
UN50643	Rsa1.0.02467.1	633	31141	1.00E-129	291	308	94 -	1	307	3808	4106
UN50644	Rsa1.0.00491.1	754	80219	1.00E-154	286	289	98 -	294	582	68919	69207
UN50645	Rsa1.0.00451.1	1040	322533	1.00E-151	319	332	96 +	710	1039	301659	301986
UN50646	Rsa1.0.25706.1	775	924	1.00E-137	256	259	98 +	460	718	10	268
UN50647	Rsa1.0.00017.1	813	752458	1.00E-103	234	250	93 -	463	712	412804	413043
UN50648	Rsa1.0.02185.1	740	34150	0	706	748	94 -	3	740	27262	27997
UN50649	Rsa1.0.00127.1	758	127446	0	641	685	93 -	3	686	11082	11764
UN50650	Rsa1.0.05972.1	688	12067	3.00E-50	105	106	99 +	303	408	11353	11458
UN50651	Rsa1.0.23487.1	1323	1045	0	745	764	97 -	473	1236	278	1041
UN50652	Rsa1.0.01629.1	1043	41917	1.00E-147	329	346	95 -	700	1043	13342	13682
UN50653	Rsa1.0.02750.1	989	28239	6.00E-92	194	201	96 +	88	288	22928	23124
UN50654	Rsa1.0.00015.1	740	561803	1.00E-169	425	465	91 -	285	735	193333	193790
UN50655	Rsa1.0.00771.1	725	64870	0	723	723	100 +	3	725	46884	47606
UN50656	Rsa1.0.00642.1	1165	201230	1.00E-154	362	388	93 -	787	1163	160128	160508
UN50657	Rsa1.0.02358.1	1016	32213	1.00E-172	326	332	98 -	487	818	384	712
UN50658	Rsa1.0.02797.1	699	27800	1.00E-130	296	314	94 +	9	322	652	961
UN50659	Rsa1.0.00684.1	983	141701	0	507	515	98 +	469	983	9100	9614

UN50660	Rsa1.0.00351.1	660	413096	0	508	548	92 +	23	558	387942	388489
UN50661	Rsa1.0.01115.1	1041	183545	1.00E-173	390	411	94 +	633	1041	6514	6919
UN50662	Rsa1.0.00703.1	1048	67597	1.00E-174	369	387	95 +	1	382	30649	31035
UN50663	Rsa1.0.00104.1	549	368722	1.00E-121	229	232	98 -	123	354	211493	211724
UN50664	Rsa1.0.27736.1	279	841	1.00E-149	277	279	99 -	1	279	283	560
UN50665	Rsa1.0.00014.1	1055	348985	1.00E-144	329	347	94 -	1	339	323900	324245
UN50666	Rsa1.0.03422.1	588	23076	1.00E-143	385	421	91 -	2	408	9864	10283
UN50667	Rsa1.0.00163.1	934	116847	1.00E-111	228	236	96 +	527	762	65088	65323
UN50668	Rsa1.0.00678.1	806	193163	1.00E-155	323	338	95 +	452	789	188844	189181
UN50669	Rsa1.0.01482.1	1104	44855	0	454	468	97 -	1	468	16982	17442
UN50670	Rsa1.0.01867.1	1033	37960	0	437	437	100 -	64	500	17660	18096
UN50671	Rsa1.0.03390.1	754	23270	0	461	465	99 -	290	754	6602	7066
UN50672	Rsa1.0.01338.1	629	155644	7.00E-69	224	249	89 +	4	249	13867	14109
UN50673	Rsa1.0.00143.1	1532	121313	0	1430	1500	95 +	42	1531	32720	34200
UN50674	Rsa1.0.03178.1	651	24798	0	644	648	99 -	4	650	9527	10174
UN50675	Rsa1.0.09063.1	767	6675	1.00E-154	375	406	92 +	1	392	1773	2178
UN50676	Rsa1.0.07695.1	860	8770	0	422	432	97 -	322	753	2664	3095
UN50677	Rsa1.0.15287.1	1576	2708	0	358	359	99 -	873	1231	2350	2708
UN50678	Rsa1.0.00017.1	758	752458	0	660	676	97 +	2	676	285740	286413
UN50679	Rsa1.0.02310.1	755	32735	0	503	515	97 -	7	519	30017	30531
UN50680	Rsa1.0.00394.1	553	148426	1.00E-147	268	269	99 +	1	269	98717	98985
UN50681	Rsa1.0.00732.1	944	66631	5.00E-83	169	173	97 +	429	601	1035	1207
UN50682	Rsa1.0.06312.1	502	11253	1.00E-159	317	327	96 -	70	393	6117	6443
UN50683	Rsa1.0.00078.1	860	175053	1.00E-101	284	314	90 +	2	315	140383	140677
UN50684	Rsa1.0.00048.1	1678	167185	5.00E-97	200	205	97 -	1286	1490	148100	148303
UN50685	Rsa1.0.01468.1	1086	45146	0	407	430	94 +	656	1084	16769	17198
UN50686	Rsa1.0.00097.1	1395	138858	0	423	423	100 -	1	423	118569	118991
UN50687	Rsa1.0.02275.1	1269	33107	0	743	745	99 -	525	1269	12846	13589
UN50688	Rsa1.0.03646.1	1045	21598	1.00E-169	304	305	99 -	182	486	11504	11808
UN50689	Rsa1.0.01668.1	998	41299	0	971	1000	97 -	3	998	14249	15244
UN50690	Rsa1.0.03869.1	759	20365	0	481	493	97 +	213	705	4022	4514
UN50691	Rsa1.0.00232.1	1265	104936	1.00E-143	291	302	96 -	3	304	48471	48772
UN50692	Rsa1.0.00460.1	1053	206387	0	521	522	99 -	529	1050	27262	27783
UN50693	Rsa1.0.00155.1	785	118465	2.33E-156	325	347	93 -	10	348	96670	97010
UN50694	Rsa1.0.00017.1	750	752458	0	481	482	99 -	3	484	222799	223280
UN50695	Rsa1.0.00273.1	568	326186	1.00E-150	328	345	95 -	2	345	110407	110749
UN50696	Rsa1.0.03074.1	1094	25568	0	478	478	100 -	617	1094	19572	20049
UN50697	Rsa1.0.00961.1	1006	58185	1.00E-145	270	273	98 -	734	1006	48803	49075
UN50698	Rsa1.0.00270.1	892	101236	0	885	892	99 +	1	892	37799	38690

UN50699	Rsa1.0.05332.1	854	14123	1.00E-141	276	283	97 +	189	471	8338	8620
UN50700	Rsa1.0.00170.1	1259	179538	0	695	707	98 -	534	1240	161501	162205
UN50701	Rsa1.0.00031.1	951	179862	0	929	940	98 -	8	947	145536	146468
UN50702	Rsa1.0.02955.1	784	26484	1.00E-153	299	305	98 +	481	784	21585	21887
UN50703	Rsa1.0.00157.1	1287	245832	7.00E-77	174	183	95 +	584	766	183436	183618
UN50704	Rsa1.0.01106.1	926	53916	0	551	557	98 +	371	926	2059	2615
UN50705	Rsa1.0.23642.1	684	1035	0	522	542	96 -	34	572	15	553
UN50706	Rsa1.0.00836.1	776	185968	0	423	447	94 +	335	775	182964	183403
UN50707	Rsa1.0.05382.1	1019	13963	0	394	411	95 -	177	587	423	833
UN50708	Rsa1.0.01937.1	778	37147	0	520	534	97 -	253	774	33675	34208
UN50709	Rsa1.0.08265.1	640	7630	0	446	449	99 -	190	638	6610	7058
UN50710	Rsa1.0.03016.1	658	26000	0	635	661	96 -	3	657	4833	5489
UN50711	Rsa1.0.06213.1	851	11478	0	462	498	92 -	361	850	1053	1535
UN50712	Rsa1.0.04387.1	1212	17625	0	501	501	100 -	1	501	7587	8087
UN50713	Rsa1.0.06312.1	550	11253	1.00E-148	319	336	94 +	117	449	6117	6452
UN50714	Rsa1.0.00202.1	925	185895	0	336	340	98 +	2	341	116089	116428
UN50715	Rsa1.0.17397.1	1004	1840	0	993	1003	99 +	1	1003	415	1415
UN50716	Rsa1.0.00104.1	1147	368722	0	844	899	93 -	3	892	213055	213949
UN50717	Rsa1.0.01233.1	867	50184	0	819	873	93 +	1	867	23510	24365
UN50718	Rsa1.0.28441.1	734	815	0	703	735	95 +	7	734	1	735
UN50719	Rsa1.0.00190.1	1033	318240	0	699	727	96 +	279	1002	191430	192156
UN50720	Rsa1.0.00866.1	553	61676	2.00E-65	127	127	100 +	63	189	56049	56175
UN50721	Rsa1.0.00051.1	1429	258225	1.00E-176	421	456	92 +	7	460	117059	117499
UN50722	Rsa1.0.00209.1	1125	108531	0	408	415	98 +	7	420	61725	62139
UN50723	Rsa1.0.00301.1	755	365315	1.00E-126	333	367	90 -	3	357	346680	347040
UN50724	Rsa1.0.00089.1	967	406142	0	613	643	95 +	1	633	58182	58821
UN50725	Rsa1.0.00589.1	727	209965	0	696	717	97 -	11	727	154858	155573
UN50726	Rsa1.0.00020.1	757	283099	0	712	756	94 +	1	756	197115	197849
UN50727	Rsa1.0.00931.1	1047	59210	1.00E-179	356	368	96 +	335	702	54903	55267
UN50728	Rsa1.0.01009.1	649	56922	1.00E-143	286	294	97 -	292	584	3228	3521
UN50729	Rsa1.0.01462.1	506	45231	3.00E-98	232	247	93 -	261	506	25488	25725
UN50730	Rsa1.0.03418.1	916	147293	2.00E-64	126	126	100 -	147	272	11494	11619
UN50731	Rsa1.0.00541.1	1239	76863	0	880	913	96 -	192	1101	11211	12123
UN50732	Rsa1.0.00219.1	1046	106983	0	437	443	98 +	604	1046	56466	56908
UN50733	Rsa1.0.04325.1	1445	17885	1.00E-121	256	266	96 +	517	781	14508	14773
UN50734	Rsa1.0.07327.1	675	9549	1.00E-178	385	408	94 -	32	439	4858	5265
UN50735	Rsa1.0.00533.1	715	77375	0	684	714	95 -	1	713	49300	50008
UN50736	Rsa1.0.00370.1	852	90472	0	436	437	99 +	416	852	42439	42875
UN50737	Rsa1.0.15455.1	1337	2595	0	604	628	96 +	4	627	1692	2313

UN50738	Rsa1.0.00258.1	1233	102381	0	1036	1068	97 +	3	1055	83697	84764
UN50739	Rsa1.0.00561.1	932	75653	0	914	925	98 +	3	927	66758	67681
UN50740	Rsa1.0.07921.1	724	8259	0	490	516	94 -	8	522	2634	3147
UN50741	Rsa1.0.01319.1	964	48273	1.00E-167	372	399	93 -	565	963	10899	11279
UN50742	Rsa1.0.00341.1	1269	249309	9.00E-64	134	137	97 +	726	862	1833	1969
UN50743	Rsa1.0.05653.1	975	13043	0	920	983	93 -	1	972	11429	12387
UN50744	Rsa1.0.00180.1	536	114581	1.00E-162	289	289	100 -	1	289	24300	24588
UN50745	Rsa1.0.15580.1	978	2535	1.00E-153	303	311	97 +	666	975	1727	2037
UN50746	Rsa1.0.00131.1	796	432233	0	528	560	94 +	1	554	384395	384941
UN50747	Rsa1.0.03853.1	726	20447	1.00E-141	313	332	94 +	1	332	13344	13672
UN50748	Rsa1.0.05874.1	710	12351	0	534	555	96 -	2	556	9389	9943
UN50749	Rsa1.0.01835.1	657	38542	1.00E-136	353	385	91 -	255	625	24254	24638
UN50750	Rsa1.0.00253.1	1173	231292	1.00E-149	280	284	98 -	3	286	125873	126156
UN50751	Rsa1.0.01408.1	929	46383	0	513	524	97 -	2	525	17109	17632
UN50752	Rsa1.0.00071.1	693	345714	1.00E-115	250	262	95 -	437	692	324475	324736
UN50753	Rsa1.0.00714.1	797	67187	1.00E-155	281	282	99 -	1	282	393	674
UN50754	Rsa1.0.03605.1	710	21827	1.00E-141	325	352	92 +	339	674	20342	20693
UN50755	Rsa1.0.00045.1	904	328694	1.00E-123	260	268	97 -	122	388	166098	166363
UN50756	Rsa1.0.01453.1	960	45449	1.00E-117	299	331	90 -	614	923	25120	25450
UN50757	Rsa1.0.00684.1	874	141701	1.00E-175	430	460	93 -	420	872	9756	10215
UN50758	Rsa1.0.00191.1	1244	316976	0	665	689	96 -	558	1243	145006	145694
UN50759	Rsa1.0.02756.1	883	28202	1.00E-166	311	316	98 -	371	686	22631	22946
UN50760	Rsa1.0.00744.1	679	66084	0	353	354	99 +	326	679	32778	33131
UN50761	Rsa1.0.02105.1	814	156953	1.00E-154	350	375	93 +	77	451	150797	151165
UN50762	Rsa1.0.00509.1	913	78829	0	332	333	99 +	1	333	42568	42900
UN50763	Rsa1.0.00184.1	629	218748	1.00E-105	275	302	91 -	307	592	213982	214279
UN50764	Rsa1.0.00675.1	465	145590	1.00E-153	364	392	92 +	73	463	28848	29220
UN50765	Rsa1.0.00627.1	821	71566	0	580	602	96 -	15	616	18405	19004
UN50766	Rsa1.0.01261.1	831	49744	3.00E-78	217	239	90 +	135	372	22737	22968
UN50767	Rsa1.0.00173.1	560	288743	0	374	382	97 +	13	394	39208	39589
UN50768	Rsa1.0.00419.1	1392	86562	0	620	649	95 -	746	1391	15414	16061
UN50769	Rsa1.0.04095.1	591	19095	1.00E-118	261	276	94 -	317	591	6705	6971
UN50770	Rsa1.0.00414.1	1240	202190	0	491	506	97 +	734	1238	201313	201813
UN50771	Rsa1.0.00150.1	1552	154416	0	857	873	98 +	683	1552	63284	64156
UN50772	Rsa1.0.00471.1	782	81897	1.00E-162	340	353	96 -	2	351	65986	66337
UN50773	Rsa1.0.00141.1	932	121494	0	498	511	97 -	421	930	82206	82714
UN50774	Rsa1.0.13824.1	1066	4259	0	414	434	95 -	632	1063	2101	2534
UN50775	Rsa1.0.00486.1	734	80875	1.00E-177	379	399	94 +	32	422	32627	33022
UN50776	Rsa1.0.00917.1	790	182012	0	376	389	96 -	402	788	6144	6531

UN50777	Rsa1.0.00196.1	779	109960	1.00E-67	131	131	100 +	75	205	76664	76794
UN50778	Rsa1.0.62848.1	607	365	0	358	365	98 -	13	377	1	365
UN50779	Rsa1.0.00110.1	916	132719	1.00E-141	302	318	94 -	3	320	92532	92849
UN50780	Rsa1.0.14220.1	1075	3652	4.00E-93	216	227	95 +	1	221	201	427
UN50781	Rsa1.0.04218.1	646	18423	1.00E-115	298	320	93 +	327	640	12805	13121
UN50782	Rsa1.0.01090.1	744	54385	1.00E-172	375	397	94 +	4	397	3230	3626
UN50783	Rsa1.0.00026.1	1150	327835	0	432	456	94 -	701	1150	240934	241382
UN50784	Rsa1.0.00047.1	784	168582	0	462	471	98 +	175	645	93884	94354
UN50785	Rsa1.0.01108.1	727	53865	4.00E-37	173	204	84 +	165	368	44175	44378
UN50786	Rsa1.0.00037.1	1028	307838	0	718	725	99 +	304	1028	186811	187534
UN50787	Rsa1.0.10311.1	376	5893	1.00E-136	282	294	95 -	83	376	3966	4254
UN50788	Rsa1.0.00049.1	889	167018	0	530	557	95 +	1	553	137912	138468
UN50789	Rsa1.0.02001.1	795	36198	0	465	494	94 +	306	795	31940	32422
UN50790	Rsa1.0.03241.1	1038	24423	0	461	464	99 +	568	1031	23915	24378
UN50791	Rsa1.0.00116.1	785	365886	0	356	356	100 -	287	642	20143	20498
UN50792	Rsa1.0.00978.1	964	57739	0	618	621	99 +	11	629	41979	42599
UN50793	Rsa1.0.00220.1	707	192936	0	583	584	99 -	1	584	4428	5011
UN50794	Rsa1.0.00729.1	1145	66690	0	595	628	94 +	524	1145	56649	57261
UN50795	Rsa1.0.00135.1	804	178077	1.00E-161	412	452	91 -	1	431	165548	165994
UN50796	Rsa1.0.00363.1	551	90968	3.00E-80	191	205	93 -	355	551	28298	28502
UN50797	Rsa1.0.00114.1	869	131330	1.00E-157	340	356	95 +	442	792	117617	117972
UN50798	Rsa1.0.04512.1	619	17031	1.00E-136	277	286	96 +	72	357	12659	12943
UN50799	Rsa1.0.00007.1	1016	239325	0	474	484	97 -	3	486	210122	210605
UN50800	Rsa1.0.00002.1	584	601661	0	516	531	97 +	1	531	273867	274397
UN50801	Rsa1.0.00014.1	491	348985	0	396	396	100 +	95	490	315790	316185
UN50802	Rsa1.0.00888.1	549	60978	0	349	355	98 +	2	355	54500	54854
UN50803	Rsa1.0.13633.1	668	4605	1.00E-131	279	293	95 +	3	295	1066	1358
UN50804	Rsa1.0.19230.1	924	1460	1.00E-144	295	303	97 -	624	924	966	1267
UN50805	Rsa1.0.08706.1	349	7018	1.00E-130	274	286	95 +	1	284	5205	5490
UN50806	Rsa1.0.00715.1	458	67116	1.00E-124	225	225	100 -	234	458	40357	40581
UN50807	Rsa1.0.06417.1	1046	11056	2.00E-98	214	222	96 -	783	1002	10673	10893
UN50808	Rsa1.0.01311.1	980	48456	6.00E-46	98	99	98 +	529	627	7784	7882
UN50809	Rsa1.0.01371.1	972	47079	0	468	477	98 +	416	889	25451	25925
UN50810	Rsa1.0.09317.1	631	6459	0	437	450	97 +	189	629	5300	5749
UN50811	Rsa1.0.35376.1	1093	640	0	324	324	100 -	388	711	164	487
UN50812	Rsa1.0.03781.1	880	20891	0	626	649	96 +	175	820	11400	12047
UN50813	Rsa1.0.37428.1	1164	602	0	533	554	96 -	582	1123	1	554
UN50814	Rsa1.0.05199.1	2788	14529	0	1011	1078	93 -	1709	2784	6264	7324
UN50815	Rsa1.0.00522.1	1115	78103	1.00E-105	209	214	97 +	355	568	48991	49204

UN50816	Rsa1.0.00414.1	728	202190	0	611	626	97 +	101	726	13400	14017
UN50817	Rsa1.0.06373.1	927	11138	1.00E-139	293	305	96 +	1	300	729	1033
UN50818	Rsa1.0.02425.1	1369	31567	0	1337	1355	98 +	10	1364	7409	8763
UN50819	Rsa1.0.00190.1	1048	318240	0	680	713	95 -	24	735	191431	192143
UN50820	Rsa1.0.00375.1	1097	90207	0	380	387	98 +	104	490	56410	56796
UN50821	Rsa1.0.00566.1	1171	75325	0	365	377	96 +	459	835	20189	20565
UN50822	Rsa1.0.01355.1	710	47303	0	551	582	94 +	7	585	39409	39990
UN50823	Rsa1.0.01938.1	812	264018	0	628	634	99 +	177	810	132742	133375
UN50824	Rsa1.0.00863.1	1493	254535	0	1150	1151	99 -	4	1154	112646	113796
UN50825	Rsa1.0.34843.1	1432	649	0	648	650	99 +	431	1080	1	649
UN50826	Rsa1.0.00161.1	916	116891	0	881	916	96 +	1	916	63942	64851
UN50827	Rsa1.0.06275.1	701	11342	0	657	696	94 +	1	689	3890	4583
UN50828	Rsa1.0.01668.1	856	41299	1.00E-139	286	296	96 +	562	856	19391	19686
UN50829	Rsa1.0.00860.1	1482	61789	0	519	521	99 +	1	519	622	1142
UN50830	Rsa1.0.00017.1	583	752458	0	410	422	97 -	12	432	532215	532636
UN50831	Rsa1.0.00566.1	661	75325	1.00E-170	303	303	100 -	358	660	37633	37935
UN50832	Rsa1.0.00896.1	880	60509	0	676	691	97 -	2	692	29277	29967
UN50833	Rsa1.0.02605.1	1104	29637	0	559	559	100 +	546	1104	25931	26489
UN50834	Rsa1.0.02663.1	737	169243	0	728	735	99 -	1	735	144727	145461
UN50835	Rsa1.0.00008.1	663	358124	6.00E-85	184	191	96 -	4	194	196386	196574
UN50836	Rsa1.0.00215.1	780	201775	0	379	384	98 +	1	384	162470	162853
UN50837	Rsa1.0.02020.1	820	173211	0	816	819	99 -	1	819	148353	149171
UN50838	Rsa1.0.01264.1	1452	49697	0	1256	1320	95 -	141	1452	18998	20308
UN50839	Rsa1.0.02505.1	648	30703	2.00E-94	182	184	98 -	142	325	29797	29980
UN50840	Rsa1.0.07352.1	788	9518	1.00E-132	239	239	100 -	68	306	9280	9518
UN50841	Rsa1.0.00886.1	952	167350	0	467	499	93 +	1	487	11221	11719
UN50842	Rsa1.0.00259.1	970	163204	0	812	822	98 +	92	911	154366	155186
UN50843	Rsa1.0.00828.1	959	62744	1.00E-178	316	316	100 +	644	959	55356	55671
UN50844	Rsa1.0.00453.1	555	83031	1.00E-159	284	284	100 -	270	553	532	815
UN50845	Rsa1.0.03344.1	970	23593	0	406	409	99 +	562	970	12154	12562
UN50846	Rsa1.0.03668.1	564	21483	0	407	424	95 +	131	553	11441	11860
UN50847	Rsa1.0.00723.1	775	66806	0	768	772	99 -	4	775	57950	58721
UN50848	Rsa1.0.00224.1	602	327530	0	448	449	99 +	154	602	221387	221835
UN50849	Rsa1.0.01668.1	837	41299	1.00E-161	295	296	99 -	1	295	19391	19686
UN50850	Rsa1.0.00191.1	653	316976	1.00E-161	312	320	97 +	162	481	140127	140446
UN50851	Rsa1.0.02387.1	889	31890	0	501	530	94 -	1	515	17300	17827
UN50852	Rsa1.0.00387.1	920	495407	1.00E-165	377	399	94 -	524	918	349203	349601
UN50853	Rsa1.0.00132.1	724	124299	0	390	406	96 -	1	395	46291	46696
UN50854	Rsa1.0.00063.1	645	156150	1.00E-111	225	232	96 +	151	382	3494	3725

UN50855	Rsa1.0.00179.1	940	393324	0	931	940	99 +	1	940	43006	43945
UN50856	Rsa1.0.00087.1	1227	761073	2.33E-156	263	263	100 -	965	1227	272947	273209
UN50857	Rsa1.0.00486.1	717	80875	0	441	445	99 -	273	717	32578	33022
UN50858	Rsa1.0.07059.1	1162	9962	0	581	624	93 -	50	645	1685	2302
UN50859	Rsa1.0.04282.1	689	18100	0	493	522	94 -	174	689	12090	12609
UN50860	Rsa1.0.00734.1	1015	66508	3.00E-63	180	196	91 +	822	1015	15869	16064
UN50861	Rsa1.0.01466.1	1010	45161	1.00E-131	316	338	93 +	624	959	25169	25505
UN50862	Rsa1.0.00790.1	807	148693	1.00E-119	227	230	98 -	306	535	135658	135887
UN50863	Rsa1.0.00058.1	697	159921	0	512	549	93 -	153	691	49005	49550
UN50864	Rsa1.0.01121.1	793	53407	0	678	710	95 -	8	716	19076	19785
UN50865	Rsa1.0.00706.1	1166	291570	0	645	670	96 -	1	669	47603	48268
UN50866	Rsa1.0.00056.1	904	332604	0	346	346	100 +	559	904	108444	108789
UN50867	Rsa1.0.01077.1	727	54772	0	596	605	98 +	121	725	21078	21682
UN50868	Rsa1.0.00853.1	668	62101	0	664	666	99 -	3	668	41669	42334
UN50869	Rsa1.0.03442.1	660	22927	0	335	336	99 -	2	337	9163	9498
UN50870	Rsa1.0.00835.1	863	278058	0	405	411	98 +	1	409	35207	35617
UN50871	Rsa1.0.02114.1	812	34873	1.00E-162	398	428	92 -	391	811	3166	3588
UN50872	Rsa1.0.05586.1	837	13263	0	482	498	96 +	3	500	9617	10111
UN50873	Rsa1.0.02797.1	690	27800	1.00E-156	355	379	93 -	311	687	583	961
UN50874	Rsa1.0.05884.1	685	12337	0	666	690	96 +	2	685	10020	10705
UN50875	Rsa1.0.00351.1	893	413096	0	535	571	93 +	323	892	376778	377346
UN50876	Rsa1.0.00123.1	1451	325650	1.00E-157	282	282	100 -	1	282	235813	236094
UN50877	Rsa1.0.00082.1	642	237584	0	464	492	94 -	146	637	68508	68996
UN50878	Rsa1.0.02544.1	544	30290	0	542	542	100 -	1	542	28262	28803
UN50879	Rsa1.0.06034.1	691	11877	1.00E-170	303	303	100 +	389	691	6786	7088
UN50880	Rsa1.0.00547.1	816	76521	0	420	420	100 -	397	816	988	1407
UN50881	Rsa1.0.08080.1	733	137363	1.00E-128	236	237	99 +	101	337	272	508
UN50882	Rsa1.0.00328.1	1775	224661	0	381	383	99 +	3	385	130929	131311
UN50883	Rsa1.0.00773.1	1132	64839	2.00E-77	204	224	91 +	537	751	58210	58433
UN50884	Rsa1.0.01845.1	1008	38415	1.00E-161	337	348	96 -	666	1008	36037	36384
UN50885	Rsa1.0.00110.1	1111	132719	0	464	471	98 +	641	1111	32257	32727
UN50886	Rsa1.0.00140.1	998	121541	1.00E-163	345	363	95 -	78	440	49081	49443
UN50887	Rsa1.0.00991.1	579	143101	0	492	512	96 +	70	578	137971	138478
UN50888	Rsa1.0.00473.1	1142	212204	1.00E-115	244	253	96 -	3	253	73604	73854
UN50889	Rsa1.0.03831.1	1038	20579	6.00E-80	170	176	96 -	1	176	19839	20014
UN50890	Rsa1.0.01934.1	1101	37162	0	400	400	100 -	702	1101	3540	3939
UN50891	Rsa1.0.00372.1	723	90418	1.00E-149	324	341	95 +	384	723	85878	86214
UN50892	Rsa1.0.03237.1	980	24434	1.00E-149	315	327	96 +	21	346	4614	4937
UN50893	Rsa1.0.00016.1	1540	831256	0	492	494	99 -	1	494	524107	524599

UN50894	Rsa1.0_74770.1	687	307	4.00E-89	222	238	93 -	1	235	33	260
UN50895	Rsa1.0_00008.1	490	358124	0	487	488	99 +	3	490	278349	278836
UN50896	Rsa1.0_04181.1	1336	18615	0	695	723	96 +	258	980	936	1658
UN50897	Rsa1.0_02675.1	583	28852	3.00E-74	142	142	100 +	242	383	17929	18070
UN50898	Rsa1.0_00204.1	1112	109056	1.00E-164	305	309	98 -	136	444	48140	48448
UN50899	Rsa1.0_01244.1	773	50061	0	569	569	100 +	205	773	45952	46520
UN50900	Rsa1.0_00025.1	801	277312	0	716	756	94 -	1	752	141060	141813
UN50901	Rsa1.0_03005.1	628	26082	0	504	520	96 -	111	628	23170	23688
UN50902	Rsa1.0_00122.1	1339	265937	0	655	694	94 +	661	1339	82124	82817
UN50903	Rsa1.0_01270.1	959	49574	0	432	446	96 +	513	958	26998	27443
UN50904	Rsa1.0_00064.1	909	240927	1.00E-131	276	286	96 -	1	283	30039	30320
UN50905	Rsa1.0_00430.1	880	85453	0	816	859	94 +	4	859	44170	45025
UN50906	Rsa1.0_01751.1	651	39806	1.00E-126	307	328	93 -	314	638	30315	30634
UN50907	Rsa1.0_00571.1	989	329018	0	546	573	95 -	415	986	48707	49277
UN50908	Rsa1.0_01016.1	752	181422	0	491	524	93 +	229	752	171865	172366
UN50909	Rsa1.0_00522.1	1133	78103	1.00E-152	277	278	99 +	856	1133	49920	50197
UN50910	Rsa1.0_02032.1	1101	35830	0	741	755	98 -	347	1100	2987	3741
UN50911	Rsa1.0_05938.1	1069	12173	0	970	1001	96 +	1	999	2763	3762
UN50912	Rsa1.0_00055.1	634	520193	0	442	460	96 +	2	461	383494	383953
UN50913	Rsa1.0_01857.1	1278	38103	1.00E-149	278	281	98 +	625	905	22513	22793
UN50914	Rsa1.0_01920.1	944	158533	0	937	939	99 -	8	944	22819	23757
UN50915	Rsa1.0_00487.1	1281	80674	0	543	551	98 -	725	1275	64313	64863
UN50916	Rsa1.0_01855.1	877	38204	0	852	894	95 +	1	872	14776	15667
UN50917	Rsa1.0_00546.1	753	76523	1.00E-122	257	268	95 -	8	271	13319	13586
UN50918	Rsa1.0_01220.1	712	161775	1.00E-155	389	415	93 +	1	411	122447	122853
UN50919	Rsa1.0_04581.1	742	16772	1.00E-147	319	336	94 -	29	364	6485	6814
UN50920	Rsa1.0_00292.1	778	98141	4.00E-71	235	272	86 +	495	764	21932	22172
UN50921	Rsa1.0_02345.1	804	32337	1.00E-121	301	325	92 +	470	793	15392	15705
UN50922	Rsa1.0_02288.1	1194	32984	1.00E-163	305	309	98 +	890	1194	18618	18926
UN50923	Rsa1.0_01578.1	943	42880	1.00E-139	261	264	98 +	631	894	31338	31601
UN50924	Rsa1.0_13369.1	592	4880	1.00E-139	282	293	96 -	1	286	3108	3400
UN50925	Rsa1.0_04121.1	689	18951	0	452	491	92 -	53	539	13838	14328
UN50926	Rsa1.0_01071.1	861	166914	0	384	398	96 +	6	401	14011	14407
UN50927	Rsa1.0_03005.1	1171	26082	0	469	481	97 +	71	550	23208	23688
UN50928	Rsa1.0_01340.1	909	47805	1.00E-158	283	283	100 -	178	460	25414	25696
UN50929	Rsa1.0_08421.1	1092	7380	0	367	372	98 +	721	1092	4123	4494
UN50930	Rsa1.0_01236.1	752	50156	2.00E-60	134	139	96 -	558	696	40463	40601
UN50931	Rsa1.0_05221.1	970	14452	1.00E-99	200	205	97 +	765	969	8530	8734
UN50932	Rsa1.0_01292.1	822	175783	1.00E-128	238	240	99 +	580	819	3974	4213

UN50933	Rsa1.0.00050.1	847	237174	0	587	621	94 +	240	845	7595	8208
UN50934	Rsa1.0.01149.1	771	160459	6.00E-73	234	261	89 +	518	771	43118	43368
UN50935	Rsa1.0.00413.1	996	86921	1.00E-141	258	259	99 +	1	259	9228	9486
UN50936	Rsa1.0.00813.1	791	63202	0	537	551	97 -	7	556	18766	19316
UN50937	Rsa1.0.06303.1	1109	11268	0	819	852	96 +	3	854	4806	5657
UN50938	Rsa1.0.02267.1	584	33194	0	583	584	99 -	2	584	11833	12416
UN50939	Rsa1.0.00706.1	690	291570	1.00E-153	307	318	96 -	1	318	21539	21856
UN50940	Rsa1.0.00326.1	950	171955	1.00E-128	239	241	99 +	244	484	81729	81969
UN50941	Rsa1.0.02753.1	648	28215	0	645	645	100 -	1	645	8066	8710
UN50942	Rsa1.0.03956.1	628	19872	1.00E-174	327	333	98 +	285	617	16858	17190
UN50943	Rsa1.0.01126.1	838	53127	0	476	519	91 +	321	838	7555	8052
UN50944	Rsa1.0.02052.1	850	35555	0	338	338	100 -	1	338	20165	20502
UN50945	Rsa1.0.01650.1	628	41589	0	613	626	97 -	1	626	27292	27916
UN50946	Rsa1.0.00065.1	992	454616	1.00E-129	241	243	99 +	1	243	190522	190764
UN50947	Rsa1.0.04159.1	953	18795	0	834	866	96 +	23	886	5752	6615
UN50948	Rsa1.0.00252.1	697	102760	1.00E-144	276	280	98 +	386	664	43752	44031
UN50949	Rsa1.0.01195.1	724	147988	0	700	733	95 -	4	721	15401	16130
UN50950	Rsa1.0.00017.1	955	752458	0	661	712	92 -	267	955	68616	69315
UN50951	Rsa1.0.04882.1	952	15606	1.00E-153	305	315	96 +	344	658	7553	7867
UN50952	Rsa1.0.17507.1	809	1814	0	456	459	99 -	350	808	254	712
UN50953	Rsa1.0.02165.1	1047	34423	0	554	604	91 -	351	939	3037	3636
UN50954	Rsa1.0.00928.1	1061	59293	1.00E-111	210	212	99 -	3	214	32258	32469
UN50955	Rsa1.0.00114.1	794	131330	1.00E-105	261	283	92 -	427	703	43115	43389
UN50956	Rsa1.0.00108.1	650	478491	1.00E-112	262	278	94 -	7	282	270625	270902
UN50957	Rsa1.0.02276.1	848	33098	1.00E-95	242	263	92 +	7	269	28482	28735
UN50958	Rsa1.0.00207.1	660	248736	0	581	603	96 -	57	653	194245	194847
UN50959	Rsa1.0.02053.1	774	35554	0	388	401	96 +	1	399	31823	32221
UN50960	Rsa1.0.00123.1	1473	325650	0	584	608	96 +	426	1030	109716	110321
UN50961	Rsa1.0.00651.1	530	247766	1.00E-104	222	231	96 +	148	378	81983	82210
UN50962	Rsa1.0.00413.1	806	86921	2.33E-156	357	387	92 -	428	800	52860	53244
UN50963	Rsa1.0.02070.1	837	158516	3.00E-78	171	177	96 -	103	278	141340	141516
UN50964	Rsa1.0.01534.1	425	43764	0	420	420	100 +	4	423	1309	1728
UN50965	Rsa1.0.00604.1	594	146282	0	357	360	99 +	163	522	123280	123639
UN50966	Rsa1.0.00612.1	673	72376	0	645	666	96 +	3	662	18596	19260
UN50967	Rsa1.0.00556.1	1307	207212	0	569	608	93 -	1	596	18791	19392
UN50968	Rsa1.0.01270.1	917	49574	0	527	554	95 +	365	917	18639	19191
UN50969	Rsa1.0.00093.1	1317	214962	0	450	468	96 -	799	1259	95861	96328
UN50970	Rsa1.0.00876.1	776	61328	1.00E-117	276	297	92 +	75	365	49380	49676
UN50971	Rsa1.0.00426.1	770	85668	1.00E-178	334	340	98 +	339	678	22592	22931

UN50972	Rsa1.0.00697.1	950	67913	0	949	950	99 +	1	950	42240	43189
UN50973	Rsa1.0.63077.1	899	364	0	349	354	98 +	1	354	11	364
UN50974	Rsa1.0.00132.1	580	124299	0	400	417	95 +	158	573	46280	46693
UN50975	Rsa1.0.02343.1	507	32374	1.00E-127	246	250	98 -	257	506	1005	1252
UN50976	Rsa1.0.01031.1	748	56236	4.00E-74	172	181	95 -	525	703	40106	40286
UN50977	Rsa1.0.00894.1	609	269700	1.00E-103	265	290	91 -	327	609	126584	126855
UN50978	Rsa1.0.01206.1	826	50772	1.00E-102	199	202	98 -	506	707	39862	40063
UN50979	Rsa1.0.02672.1	777	28884	0	643	683	94 +	116	777	10841	11523
UN50980	Rsa1.0.02456.1	708	31222	4.00E-86	225	243	92 -	472	708	23762	24004
UN50981	Rsa1.0.00522.1	1159	78103	1.00E-135	281	291	96 +	873	1159	49920	50210
UN50982	Rsa1.0.03448.1	511	22844	1.00E-119	227	229	99 +	282	509	1239	1467
UN50983	Rsa1.0.00203.1	1030	109129	0	444	454	97 -	1	453	55688	56140
UN50984	Rsa1.0.02672.1	689	28884	0	511	536	95 +	163	687	27575	28110
UN50985	Rsa1.0.00097.1	845	138858	4.00E-59	129	133	96 -	217	349	136170	136302
UN50986	Rsa1.0.00692.1	718	68151	0	639	644	99 -	76	718	66061	66704
UN50987	Rsa1.0.00350.1	1175	92346	0	373	378	98 +	1	378	79500	79877
UN50988	Rsa1.0.00017.1	389	752458	1.00E-110	202	202	100 -	1	202	271555	271756
UN50989	Rsa1.0.01408.1	1010	46383	0	477	493	96 -	143	635	17109	17601
UN50990	Rsa1.0.05943.1	1051	12158	0	566	578	97 +	474	1051	6907	7484
UN50991	Rsa1.0.03491.1	747	22541	0	496	517	95 -	46	555	9058	9574
UN50992	Rsa1.0.01363.1	838	47195	2.00E-97	249	272	91 +	5	276	23115	23380
UN50993	Rsa1.0.05445.1	765	13718	0	736	759	96 +	9	764	12930	13687
UN50994	Rsa1.0.00016.1	930	831256	0	473	486	97 -	1	484	264998	265482
UN50995	Rsa1.0.07444.1	718	9386	1.00E-163	295	296	99 +	242	537	524	819
UN50996	Rsa1.0.05122.1	918	14791	9.00E-88	195	205	95 -	451	655	9372	9576
UN50997	Rsa1.0.02783.1	723	27927	0	700	716	97 +	8	723	13983	14696
UN50998	Rsa1.0.00602.1	848	73302	0	666	683	97 -	3	682	64379	65060
UN50999	Rsa1.0.00002.1	764	601661	1.00E-103	319	365	87 -	435	764	17954	18318
UN51000	Rsa1.0.00396.1	719	88242	0	423	450	94 -	3	452	7161	7601
UN51001	Rsa1.0.00045.1	1104	328694	0	531	569	93 +	1	558	261146	261705
UN51002	Rsa1.0.00144.1	668	120708	9.00E-75	152	155	98 -	391	545	79548	79702
UN51003	Rsa1.0.00593.1	522	143463	3.00E-89	186	191	97 -	298	487	61038	61228
UN51004	Rsa1.0.00522.1	928	78103	1.00E-132	257	262	98 +	665	926	58360	58619
UN51005	Rsa1.0.03436.1	521	22958	1.00E-122	247	255	96 -	176	430	478	732
UN51006	Rsa1.0.00477.1	848	81556	1.00E-103	233	247	94 -	472	718	21683	21929
UN51007	Rsa1.0.02913.1	764	26816	1.00E-103	230	237	97 -	528	758	22355	22591
UN51008	Rsa1.0.00106.1	1356	133916	1.00E-174	338	343	98 +	1017	1356	7524	7866
UN51009	Rsa1.0.02336.1	1126	32397	0	420	424	99 -	702	1125	8973	9396
UN51010	Rsa1.0.01559.1	631	43262	1.00E-159	313	320	97 -	314	631	28829	29148

UN51011	Rsa1.0_04200.1	906	18490	1.00E-176	353	366	96 -	3	368	2813	3178
UN51012	Rsa1.0_00442.1	1236	84596	0	450	450	100 -	785	1234	78121	78570
UN51013	Rsa1.0_00108.1	1029	478491	1.00E-87	183	189	96 -	806	994	416703	416891
UN51014	Rsa1.0_00239.1	871	104332	0	439	470	93 +	2	457	103566	104033
UN51015	Rsa1.0_00384.1	1083	89278	1.00E-176	323	326	99 +	727	1052	48409	48734
UN51016	Rsa1.0_01414.1	995	149508	1.00E-101	365	419	87 +	542	960	130284	130698
UN51017	Rsa1.0_02859.1	530	162118	1.00E-144	327	348	93 +	6	353	137970	138316
UN51018	Rsa1.0_01352.1	675	47443	0	396	408	97 -	7	414	954	1361
UN51019	Rsa1.0_01077.1	1128	54772	0	565	604	93 +	1	594	10739	11340
UN51020	Rsa1.0_01695.1	835	40848	0	787	801	98 -	2	794	15439	16239
UN51021	Rsa1.0_02672.1	755	28884	0	519	540	96 -	3	539	27575	28110
UN51022	Rsa1.0_00894.1	1138	269700	1.00E-166	404	436	92 -	712	1137	127925	128357
UN51023	Rsa1.0_04205.1	716	138772	1.00E-140	358	390	91 -	349	716	133864	134249
UN51024	Rsa1.0_02020.1	754	173211	0	332	333	99 -	419	751	20254	20586
UN51025	Rsa1.0_10587.1	499	5794	1.00E-110	227	235	96 +	265	499	234	468
UN51026	Rsa1.0_00211.1	1121	228189	0	582	606	96 +	3	607	179313	179912
UN51027	Rsa1.0_00165.1	729	116466	3.00E-93	177	178	99 -	242	419	26990	27167
UN51028	Rsa1.0_06541.1	696	10806	1.00E-105	304	334	91 -	364	690	10047	10372
UN51029	Rsa1.0_00019.1	683	301669	1.00E-131	331	362	91 -	316	677	293157	293498
UN51030	Rsa1.0_00773.1	876	64839	1.00E-102	271	292	92 +	11	295	10153	10440
UN51031	Rsa1.0_00163.1	1332	116847	0	1168	1243	93 +	1	1223	7904	9130
UN51032	Rsa1.0_06939.1	795	10137	1.00E-148	333	350	95 +	3	347	3493	3838
UN51033	Rsa1.0_01146.1	664	163455	1.00E-115	281	302	93 +	342	635	162766	163067
UN51034	Rsa1.0_05782.1	937	12646	1.00E-112	212	214	99 +	139	352	8062	8275
UN51035	Rsa1.0_00043.1	744	264937	1.00E-132	302	323	93 -	424	743	123268	123577
UN51036	Rsa1.0_00152.1	797	257730	1.00E-108	205	207	99 -	351	557	100776	100982
UN51037	Rsa1.0_00253.1	1322	231292	1.00E-102	195	197	98 -	878	1074	90005	90201
UN51038	Rsa1.0_00373.1	868	90296	1.00E-161	401	432	92 +	3	427	67568	67986
UN51039	Rsa1.0_00883.1	1232	61230	1.00E-117	326	359	90 +	888	1232	54394	54749
UN51040	Rsa1.0_23167.1	733	1067	0	382	389	98 +	1	389	510	898
UN51041	Rsa1.0_04511.1	882	17032	1.00E-109	230	239	96 +	647	882	4974	5212
UN51042	Rsa1.0_00197.1	624	109714	1.00E-118	245	255	96 +	1	255	78040	78294
UN51043	Rsa1.0_08744.1	781	6970	0	492	511	96 -	97	606	5426	5934
UN51044	Rsa1.0_00215.1	761	201775	9.00E-69	145	149	97 +	464	612	1920	2068
UN51045	Rsa1.0_01576.1	765	42923	1.00E-110	309	342	90 +	388	718	22319	22654
UN51046	Rsa1.0_00933.1	1426	59164	1.00E-163	291	291	100 +	729	1019	2118	2408
UN51047	Rsa1.0_02360.1	1020	32203	0	576	622	92 +	1	598	23957	24578
UN51048	Rsa1.0_02449.1	1048	31292	6.00E-89	189	195	96 -	855	1048	13256	13450
UN51049	Rsa1.0_05354.1	905	14073	0	486	486	100 -	1	486	4161	4646

UN51050	Rsa1.0.02072.1	1100	35401	1.00E-140	265	269	98 -	280	548	6534	6802
UN51051	Rsa1.0.03454.1	1311	149870	0	658	659	99 +	2	660	144059	144717
UN51052	Rsa1.0.02786.1	694	27880	1.00E-180	424	459	92 -	233	688	18744	19185
UN51053	Rsa1.0.01867.1	1514	37960	0	482	496	97 -	282	777	19568	20063
UN51054	Rsa1.0.00218.1	727	201480	0	431	443	97 -	285	726	101445	101883
UN51055	Rsa1.0.00628.1	1183	214360	0	444	449	98 +	407	855	204097	204545
UN51056	Rsa1.0.02383.1	972	31931	0	555	614	90 +	33	625	15273	15878
UN51057	Rsa1.0.02071.1	616	35409	1.00E-137	281	292	96 -	325	616	22586	22877
UN51058	Rsa1.0.01492.1	954	44704	1.00E-120	281	298	94 +	1	296	4570	4859
UN51059	Rsa1.0.02017.1	1119	35999	1.00E-127	260	268	97 +	852	1119	26848	27114
UN51060	Rsa1.0.00275.1	550	210104	1.00E-97	205	212	96 -	52	261	157269	157480
UN51061	Rsa1.0.00660.1	694	69688	1.00E-132	305	323	94 +	368	681	17669	17991
UN51062	Rsa1.0.03037.1	1052	25825	1.00E-178	346	353	98 -	3	353	5163	5515
UN51063	Rsa1.0.00522.1	1505	78103	0	655	684	95 +	791	1471	51939	52621
UN51064	Rsa1.0.00091.1	1398	139699	0	469	479	97 +	1	478	136936	137413
UN51065	Rsa1.0.00120.1	693	277288	1.00E-158	322	335	96 -	6	340	253442	253776
UN51066	Rsa1.0.00586.1	871	163802	0	473	479	98 +	394	871	108888	109366
UN51067	Rsa1.0.00648.1	687	70351	1.00E-116	297	322	92 +	6	318	21672	21992
UN51068	Rsa1.0.00507.1	1235	79074	1.00E-180	326	328	99 -	1	328	44676	45003
UN51069	Rsa1.0.00509.1	645	78829	1.00E-132	269	276	97 +	1	275	6510	6784
UN51070	Rsa1.0.05822.1	641	12521	0	484	506	95 -	1	494	11655	12158
UN51071	Rsa1.0.00017.1	820	752458	2.00E-94	253	276	91 +	1	270	141380	141654
UN51072	Rsa1.0.00938.1	576	193891	0	500	522	95 -	1	522	172122	172643
UN51073	Rsa1.0.15287.1	1556	2708	0	357	359	99 -	858	1216	2350	2708
UN51074	Rsa1.0.00015.1	636	561803	1.00E-149	417	471	88 +	60	523	483083	483533
UN51075	Rsa1.0.02212.1	983	33840	1.00E-93	175	175	100 -	1	175	29047	29221
UN51076	Rsa1.0.00011.1	812	225044	0	588	617	95 -	203	812	213237	213851
UN51077	Rsa1.0.00376.1	1045	90101	1.00E-150	306	318	96 +	240	557	49173	49490
UN51078	Rsa1.0.01042.1	734	293264	0	479	493	97 -	242	734	154018	154510
UN51079	Rsa1.0.00012.1	703	222148	1.00E-138	322	342	94 +	4	342	51716	52057
UN51080	Rsa1.0.00271.1	734	101125	1.00E-126	236	238	99 +	372	609	80400	80637
UN51081	Rsa1.0.43953.1	1120	511	0	443	443	100 +	247	689	69	511
UN51082	Rsa1.0.17015.1	1048	1953	1.00E-117	242	250	96 -	4	250	874	1120
UN51083	Rsa1.0.00435.1	208	317579	1.00E-74	196	212	92 +	1	208	70741	70952
UN51084	Rsa1.0.14624.1	908	3217	1.00E-112	253	269	94 +	628	894	1334	1593
UN51085	Rsa1.0.01452.1	621	45459	1.00E-110	214	218	98 -	222	439	39322	39539
UN51086	Rsa1.0.00045.1	621	328694	1.00E-139	307	326	94 -	286	611	186950	187269
UN51087	Rsa1.0.03081.1	741	25523	0	358	360	99 -	1	358	22991	23350
UN51088	Rsa1.0.01363.1	821	47195	1.00E-103	247	266	92 +	3	268	23115	23380

UN51089	Rsa1.0.02043.1	1417	163754	1.00E-122	223	223	100 +	393	615	134128	134350
UN51090	Rsa1.0.00471.1	771	81897	0	347	347	100 +	425	771	65986	66332
UN51091	Rsa1.0.01539.1	1269	43698	0	447	458	97 -	26	483	23834	24291
UN51092	Rsa1.0.00944.1	921	58733	1.00E-154	418	465	89 -	448	892	41293	41743
UN51093	Rsa1.0.02648.1	812	29073	0	391	410	95 +	5	404	25819	26225
UN51094	Rsa1.0.00579.1	1319	148308	1.00E-148	356	386	92 +	1	372	66636	67019
UN51095	Rsa1.0.00347.1	930	93048	0	401	412	97 -	524	927	68210	68621
UN51096	Rsa1.0.00134.1	586	390219	0	531	550	96 -	5	554	155347	155890
UN51097	Rsa1.0.05653.1	580	13043	0	558	580	96 -	1	578	10824	11403
UN51098	Rsa1.0.00020.1	1046	283099	1.00E-155	323	336	96 -	9	344	140893	141224
UN51099	Rsa1.0.00187.1	852	393093	0	464	486	95 +	16	498	212048	212530
UN51100	Rsa1.0.00105.1	436	134138	0	428	433	98 -	2	432	109975	110405
UN51101	Rsa1.0.01193.1	835	51147	1.00E-61	137	141	97 -	35	175	15855	15994
UN51102	Rsa1.0.00067.1	959	415055	0	363	367	98 +	593	959	7421	7784
UN51103	Rsa1.0.02105.1	798	156953	0	346	346	100 +	1	346	33123	33468
UN51104	Rsa1.0.07894.1	1181	8347	0	360	363	99 -	820	1181	5561	5922
UN51105	Rsa1.0.02633.1	919	29315	0	417	417	100 -	503	919	355	771
UN51106	Rsa1.0.03991.1	1388	19675	0	1370	1386	98 +	1	1386	7061	8446
UN51107	Rsa1.0.14400.1	1000	3430	0	628	673	93 +	330	999	1	667
UN51108	Rsa1.0.07534.1	526	9184	0	347	347	100 -	178	524	7368	7714
UN51109	Rsa1.0.17881.1	448	1720	0	390	398	97 -	54	446	1006	1403
UN51110	Rsa1.0.00425.1	906	147080	0	613	637	96 +	104	739	95758	96394
UN51111	Rsa1.0.01696.1	1118	301850	0	676	686	98 +	2	680	160599	161284
UN51112	Rsa1.0.00087.1	638	761073	9.00E-87	187	195	95 -	403	597	13132	13326
UN51113	Rsa1.0.20261.1	771	1323	0	443	477	92 -	298	764	100	575
UN51114	Rsa1.0.03521.1	688	396204	1.00E-133	262	269	97 +	3	271	133831	134099
UN51115	Rsa1.0.00495.1	1641	79934	4.00E-79	151	151	100 +	1405	1555	19840	19990
UN51116	Rsa1.0.00006.1	701	396176	1.00E-163	411	451	91 -	266	700	307656	308106
UN51117	Rsa1.0.01319.1	996	48273	0	683	711	96 +	3	704	10893	11594
UN51118	Rsa1.0.43909.1	680	512	0	394	397	99 +	3	399	77	473
UN51119	Rsa1.0.00105.1	807	134138	0	620	639	97 +	168	805	123747	124385
UN51120	Rsa1.0.01580.1	802	42852	1.00E-107	212	217	97 -	279	495	37225	37441
UN51121	Rsa1.0.00103.1	1127	135304	8.00E-24	110	126	87 +	262	386	30996	31121
UN51122	Rsa1.0.00108.1	1173	478491	8.00E-92	249	269	92 +	12	276	67404	67663
UN51123	Rsa1.0.00611.1	948	72410	0	482	500	96 -	1	500	60559	61058
UN51124	Rsa1.0.00451.1	904	322533	0	864	924	93 +	1	903	249773	250693
UN51125	Rsa1.0.05326.1	701	14139	0	356	358	99 -	1	358	5288	5645
UN51126	Rsa1.0.02626.1	916	29387	0	430	450	95 -	471	916	22846	23293
UN51127	Rsa1.0.00277.1	785	100132	0	381	395	96 -	3	393	63713	64106

UN51128	Rsa1.0_13672.1	799	4525	0	583	586	99 -	3	588	2836	3421
UN51129	Rsa1.0_00253.1	889	231292	1.00E-129	234	234	100 -	656	889	85080	85313
UN51130	Rsa1.0_00454.1	758	216970	0	618	636	97 +	116	748	158280	158915
UN51131	Rsa1.0_01005.1	964	56967	1.00E-139	261	264	98 +	282	545	19291	19554
UN51132	Rsa1.0_00092.1	842	659932	1.00E-165	390	415	93 +	2	410	517048	517458
UN51133	Rsa1.0_07877.1	992	8373	1.00E-74	149	151	98 -	436	586	5171	5321
UN51134	Rsa1.0_05778.1	1120	12656	0	886	894	99 -	1	893	7	900
UN51135	#	#	#	#	#	#	#	#	#	#	#
UN51136	Rsa1.0_00482.1	1401	81162	1.00E-179	346	355	97 -	11	365	66121	66475
UN51137	Rsa1.0_05489.1	1107	13562	0	538	555	96 -	358	911	12340	12894
UN51138	Rsa1.0_01806.1	963	39021	0	416	428	97 -	536	963	21744	22163
UN51139	Rsa1.0_01538.1	701	43733	1.00E-132	286	299	95 +	1	298	38527	38818
UN51140	Rsa1.0_01516.1	586	44196	6.00E-91	200	210	95 +	74	283	23664	23873
UN51141	Rsa1.0_00251.1	777	303968	1.00E-171	441	480	91 +	1	460	114403	114876
UN51142	Rsa1.0_00011.1	976	225044	1.00E-164	350	369	94 -	608	976	50515	50872
UN51143	Rsa1.0_01195.1	709	147988	0	631	663	95 -	3	660	15476	16127
UN51144	Rsa1.0_00293.1	1074	339294	0	1024	1072	95 +	3	1073	318351	319418
UN51145	Rsa1.0_00114.1	1880	131330	0	346	350	98 -	588	937	44560	44909
UN51146	Rsa1.0_02150.1	777	34580	0	346	350	98 +	426	775	34063	34412
UN51147	Rsa1.0_00609.1	601	72785	0	544	572	95 -	37	601	17034	17589
UN51148	Rsa1.0_11152.1	608	5602	0	346	346	100 +	263	608	5016	5361
UN51149	Rsa1.0_02831.1	269	27533	1.00E-113	248	262	94 -	8	269	14309	14570
UN51150	Rsa1.0_05621.1	1371	13145	0	892	893	99 +	1	892	12253	13145
UN51151	Rsa1.0_00372.1	1470	90418	1.00E-177	415	443	93 -	1036	1470	14626	15057
UN51152	Rsa1.0_00244.1	1481	103590	0	1220	1236	98 -	246	1481	77057	78292
UN51153	Rsa1.0_09186.1	1088	6572	1.00E-173	377	399	94 +	701	1088	5556	5953
UN51154	Rsa1.0_13860.1	697	4190	0	685	694	98 -	4	696	2937	3629
UN51155	Rsa1.0_00043.1	1106	264937	1.00E-179	360	374	96 -	2	375	143187	143560
UN51156	Rsa1.0_02237.1	306	33544	1.00E-148	301	311	96 +	1	306	7482	7792
UN51157	Rsa1.0_00225.1	1126	105892	0	503	510	98 -	3	512	98829	99338
UN51158	Rsa1.0_00324.1	1525	218805	0	1150	1177	97 -	3	1168	144321	145496
UN51159	Rsa1.0_07858.1	728	8411	0	359	363	98 +	358	719	7580	7942
UN51160	Rsa1.0_00128.1	688	228675	1.00E-102	229	241	95 +	143	380	138855	139092
UN51161	Rsa1.0_02361.1	1660	32190	1.00E-119	228	231	98 -	2	232	11102	11332
UN51162	Rsa1.0_00398.1	969	88007	0	957	967	98 -	3	969	4628	5594
UN51163	Rsa1.0_00185.1	1451	248445	1.00E-133	256	261	98 -	231	491	145300	145560
UN51164	Rsa1.0_00251.1	1106	303968	5.00E-99	187	188	99 +	713	900	64674	64861
UN51165	Rsa1.0_01226.1	537	50316	0	534	534	100 -	4	537	12341	12874
UN51166	Rsa1.0_11233.1	825	5574	0	682	708	96 -	116	820	124	830

UN51167	Rsa1.0.03161.1	1496	24905	0	433	435	99 +	1	435	15458	15892
UN51168	Rsa1.0.02449.1	782	31292	1.00E-80	222	245	90 -	92	336	21988	22232
UN51169	Rsa1.0.07131.1	971	9860	0	393	399	98 +	1	399	7950	8348
UN51170	Rsa1.0.01231.1	1277	50208	0	396	396	100 +	610	1005	37587	37982
UN51171	Rsa1.0.00563.1	1381	75491	0	1359	1367	99 -	3	1368	25509	26873
UN51172	Rsa1.0.00211.1	1345	228189	0	1306	1358	96 -	3	1343	140053	141406
UN51173	Rsa1.0.01077.1	1529	54772	0	1138	1170	97 -	3	1172	48375	49544
UN51174	Rsa1.0.00190.1	1120	318240	0	449	477	94 -	2	475	45482	45957
UN51175	Rsa1.0.01841.1	1535	38430	0	889	894	99 +	2	895	15814	16707
UN51176	Rsa1.0.00763.1	729	65121	0	353	354	99 +	375	728	32832	33185
UN51177	Rsa1.0.00935.1	1292	59079	0	556	572	97 +	1	570	55806	56377
UN51178	Rsa1.0.04920.1	1266	15434	0	739	757	97 -	1	757	1	757
UN51179	Rsa1.0.00315.1	1858	96426	0	702	710	98 +	1148	1857	85959	86668
UN51180	Rsa1.0.08038.1	836	8034	0	331	333	99 +	176	508	5846	6178
UN51181	Rsa1.0.00056.1	854	332604	0	626	635	98 -	1	635	141016	141650
UN51182	Rsa1.0.00253.1	1246	231292	0	600	601	99 -	1	601	149852	150452
UN51183	Rsa1.0.36775.1	741	613	1.00E-107	227	237	95 +	397	633	184	420
UN51184	Rsa1.0.01642.1	1481	41772	1.00E-152	277	278	99 +	1204	1481	23244	23521
UN51185	#	#	#	#	#	#	#	#	#	#	#
UN51186	Rsa1.0.01588.1	2070	42724	0	761	763	99 +	2	764	2093	2855
UN51187	Rsa1.0.00123.1	961	325650	0	958	959	99 +	3	961	213060	214017
UN51188	Rsa1.0.00661.1	1018	213041	0	1016	1017	99 +	3	1018	187784	188800
UN51189	Rsa1.0.01882.1	811	37697	0	381	381	100 -	431	811	30227	30607
UN51190	Rsa1.0.00017.1	984	752458	0	878	920	95 -	7	918	32221	33139
UN51191	Rsa1.0.00562.1	658	75565	1.00E-122	231	234	98 +	1	234	21549	21782
UN51192	Rsa1.0.00945.1	1509	58714	0	699	699	100 +	811	1509	7499	8197
UN51193	Rsa1.0.01678.1	1462	162174	0	918	925	99 +	128	1052	143403	144327
UN51194	Rsa1.0.00947.1	952	58664	1.00E-159	293	295	99 +	1	293	12120	12414
UN51195	Rsa1.0.12539.1	1521	5198	2.00E-74	349	413	84 +	395	807	15	421
UN51196	Rsa1.0.00829.1	1096	158305	0	378	391	96 +	365	752	123408	123798
UN51197	Rsa1.0.01873.1	504	37903	0	495	496	99 +	5	500	15928	16423
UN51198	Rsa1.0.04082.1	1811	19180	0	904	904	100 +	908	1811	17315	18218
UN51199	Rsa1.0.00198.1	1445	222963	0	453	473	95 -	975	1445	65077	65546
UN51200	Rsa1.0.02043.1	1166	163754	1.00E-149	279	281	99 -	1	280	135662	135942
UN51201	Rsa1.0.00622.1	1264	71822	0	755	755	100 +	505	1259	37212	37966
UN51202	Rsa1.0.01931.1	919	37187	0	912	917	99 +	4	919	26619	27535
UN51203	Rsa1.0.00301.1	626	365315	1.00E-171	331	340	97 -	287	626	355550	355889
UN51204	Rsa1.0.00188.1	1070	112020	0	847	854	99 +	217	1070	11872	12725
UN51205	Rsa1.0.02911.1	1448	142461	1.00E-150	310	321	96 +	1129	1447	139387	139706

UN51206	Rsa1.0.00129.1	1322	126831	0	850	871	97 -	197	1065	30505	31365
UN51207	Rsa1.0.00248.1	1086	163568	0	1068	1086	98 +	1	1086	23383	24468
UN51208	Rsa1.0.00087.1	1647	761073	0	1155	1177	98 +	9	1184	325340	326510
UN51209	Rsa1.0.00920.1	855	601703	0	819	852	96 -	3	854	13747	14597
UN51210	Rsa1.0.00065.1	690	454616	0	348	356	97 -	334	689	452924	453279
UN51211	Rsa1.0.00101.1	975	267193	0	676	698	96 -	278	975	253265	253959
UN51212	Rsa1.0.16046.1	1393	2307	0	790	892	88 +	416	1306	172	1063
UN51213	Rsa1.0.04282.1	585	18100	0	411	432	95 -	152	583	12180	12609
UN51214	Rsa1.0.04862.1	760	15688	0	715	746	95 +	23	760	5056	5796
UN51215	Rsa1.0.00015.1	1082	561803	1.00E-135	244	244	100 +	49	292	527851	528094
UN51216	Rsa1.0.05018.1	669	15118	0	667	667	100 +	1	667	6743	7409
UN51217	Rsa1.0.00179.1	819	393324	1.00E-123	239	244	97 -	455	698	49376	49619
UN51218	Rsa1.0.01084.1	776	54605	0	761	777	97 -	3	774	44683	45455
UN51219	Rsa1.0.00001.1	823	363028	0	551	581	94 +	3	579	163273	163851
UN51220	Rsa1.0.00690.1	1237	140527	0	492	526	93 +	642	1163	12785	13297
UN51221	Rsa1.0.11621.1	739	5457	0	732	752	97 +	1	739	2607	3358
UN51222	Rsa1.0.00641.1	807	208241	8.00E-51	220	255	86 -	264	517	205238	205490
UN51223	Rsa1.0.00886.1	548	167350	5.00E-82	185	195	94 +	3	197	8161	8355
UN51224	Rsa1.0.01100.1	831	54113	1.00E-148	290	296	97 +	63	356	313	606
UN51225	Rsa1.0.01243.1	1257	50061	0	423	434	97 -	155	585	33434	33867
UN51226	Rsa1.0.00124.1	535	262503	0	532	533	99 -	2	534	159701	160233
UN51227	Rsa1.0.01328.1	855	48021	0	853	856	99 -	1	855	5199	6052
UN51228	Rsa1.0.01242.1	1176	50066	2.00E-64	152	158	96 +	1	158	11914	12069
UN51229	Rsa1.0.00570.1	1745	75002	0	995	1009	98 -	2	1007	72668	73675
UN51230	Rsa1.0.04615.1	847	16640	1.00E-114	269	293	91 +	81	351	5013	5305
UN51231	Rsa1.0.00625.1	760	71672	0	756	759	99 -	2	760	27296	28053
UN51232	Rsa1.0.00290.1	1137	225096	0	957	1004	95 -	27	1028	216567	217552
UN51233	Rsa1.0.37069.1	418	608	1.00E-111	267	289	92 +	1	277	325	608
UN51234	Rsa1.0.03169.1	972	24826	0	609	642	94 +	5	638	2671	3292
UN51235	Rsa1.0.05123.1	662	14790	0	647	658	98 +	7	662	6406	7060
UN51236	Rsa1.0.03785.1	892	20883	1.00E-159	360	389	92 -	4	380	6045	6424
UN51237	Rsa1.0.02131.1	1327	34754	0	757	758	99 +	1	757	6055	6812
UN51238	Rsa1.0.00042.1	1205	171507	0	852	853	99 -	6	858	161589	162441
UN51239	Rsa1.0.03766.1	694	20970	0	444	469	94 +	160	628	13393	13849
UN51240	Rsa1.0.00081.1	544	143261	0	493	530	93 +	11	532	71523	72045
UN51241	Rsa1.0.00067.1	1272	415055	0	893	927	96 +	359	1272	30786	31710
UN51242	Rsa1.0.03037.1	1234	25825	0	536	546	98 +	1	545	24306	24846
UN51243	Rsa1.0.02200.1	1049	33981	1.00E-110	227	235	96 +	3	237	8851	9085
UN51244	Rsa1.0.06952.1	800	10118	1.00E-156	313	324	96 -	274	597	640	963

UN51245	Rsa1.0_04258.1	762	18254	0	414	416	99 -	2	417	4410	4825
UN51246	Rsa1.0_06247.1	941	11395	1.00E-155	403	444	90 +	499	941	7116	7532
UN51247	Rsa1.0_00162.1	1094	239935	0	444	476	93 -	502	977	63972	64443
UN51248	Rsa1.0_00044.1	675	271658	0	665	671	99 -	4	674	51306	51976
UN51249	Rsa1.0_00009.1	902	232558	0	481	481	100 +	421	901	71154	71634
UN51250	Rsa1.0_03878.1	1091	20305	0	374	376	99 -	713	1088	11823	12198
UN51251	Rsa1.0_04625.1	1354	16613	0	599	615	97 -	256	870	14784	15398
UN51252	Rsa1.0_00412.1	1142	86935	1.00E-142	320	339	94 +	807	1142	49294	49631
UN51253	Rsa1.0_00722.1	1483	66840	0	1032	1048	98 +	330	1374	15919	16966
UN51254	Rsa1.0_00355.1	992	92038	1.00E-178	411	438	93 -	1	431	64491	64923
UN51255	Rsa1.0_00067.1	763	415055	0	760	760	100 +	2	761	353597	354356
UN51256	Rsa1.0_23641.1	1232	1035	1.00E-160	289	290	99 +	812	1101	746	1035
UN51257	Rsa1.0_00211.1	1386	228189	0	711	751	94 -	247	997	129967	130714
UN51258	Rsa1.0_00260.1	3554	102021	0	1485	1562	95 -	1980	3526	26039	27599
UN51259	Rsa1.0_00283.1	1085	183797	1.00E-148	348	373	93 -	714	1083	10947	11313
UN51260	Rsa1.0_06675.1	810	10561	0	533	559	95 +	1	557	9544	10101
UN51261	Rsa1.0_06070.1	1554	11813	1.00E-145	273	277	98 +	1278	1554	1253	1529
UN51262	Rsa1.0_00153.1	1026	192931	1.00E-138	352	386	91 +	641	1026	87766	88136
UN51263	Rsa1.0_00164.1	1094	116642	0	1003	1021	98 +	2	1022	70421	71432
UN51264	Rsa1.0_00060.1	776	502678	0	770	774	99 +	3	776	120737	121510
UN51265	Rsa1.0_00385.1	492	89160	1.00E-139	251	251	100 -	241	491	30396	30646
UN51266	Rsa1.0_00642.1	1276	201230	0	398	412	96 -	2	410	161688	162095
UN51267	Rsa1.0_01704.1	645	40711	1.00E-119	232	236	98 -	246	478	4393	4628
UN51268	Rsa1.0_05523.1	903	13438	0	735	785	93 +	1	762	8986	9769
UN51269	Rsa1.0_00192.1	628	278200	1.00E-130	339	378	89 +	274	627	19564	19941
UN51270	Rsa1.0_02373.1	1443	32048	0	537	586	91 -	866	1439	8540	9119
UN51271	Rsa1.0_01522.1	1130	157436	0	803	810	99 -	321	1130	3042	3850
UN51272	Rsa1.0_01031.1	1080	56236	1.00E-149	268	268	100 +	670	937	18106	18373
UN51273	Rsa1.0_01783.1	738	39383	1.00E-162	355	378	93 -	145	522	15244	15612
UN51274	Rsa1.0_01094.1	1100	167285	0	763	777	98 +	325	1098	49165	49939
UN51275	Rsa1.0_00597.1	811	73445	0	673	694	96 -	118	811	10613	11306
UN51276	Rsa1.0_00501.1	981	79545	0	568	606	93 +	136	720	24411	25010
UN51277	Rsa1.0_02584.1	853	29877	0	422	442	95 -	4	441	806	1247
UN51278	Rsa1.0_00944.1	1227	58733	1.00E-111	235	244	96 +	1	243	58241	58484
UN51279	Rsa1.0_02548.1	1546	30228	0	901	905	99 +	642	1546	10107	11011
UN51280	Rsa1.0_01937.1	1200	37147	1.00E-161	337	351	96 +	852	1200	14633	14981
UN51281	Rsa1.0_01487.1	1475	44784	0	561	564	99 -	913	1475	31444	32007
UN51282	Rsa1.0_00224.1	464	327530	1.00E-100	263	290	90 +	118	405	221387	221660
UN51283	Rsa1.0_00099.1	961	159619	0	798	835	95 -	1	829	51342	52176

UN51284	Rsa1.0.00166.1	730	240912	0	494	512	96 -	219	730	222151	222662
UN51285	Rsa1.0.04625.1	627	16613	0	417	418	99 -	208	624	4603	5020
UN51286	Rsa1.0.00108.1	1149	478491	1.00E-168	364	384	94 -	766	1146	416511	416891
UN51287	Rsa1.0.00484.1	958	203294	0	532	544	97 -	415	958	49804	50347
UN51288	Rsa1.0.01328.1	1515	48021	0	341	344	99 +	1171	1514	17793	18134
UN51289	Rsa1.0.00070.1	706	150321	0	419	433	96 -	1	432	55838	56270
UN51290	Rsa1.0.03309.1	670	23852	1.00E-159	312	321	97 -	4	324	13208	13528
UN51291	Rsa1.0.01026.1	1068	171624	1.00E-136	256	258	99 +	1	257	30330	30587
UN51292	Rsa1.0.00975.1	1375	57865	0	590	613	96 -	763	1373	5667	6270
UN51293	Rsa1.0.00589.1	1151	209965	1.00E-99	254	277	91 +	501	777	189295	189571
UN51294	Rsa1.0.09577.1	1257	6275	0	628	655	95 +	413	1061	1281	1935
UN51295	Rsa1.0.02987.1	800	26196	0	359	371	96 +	166	536	22775	23145
UN51296	Rsa1.0.00092.1	804	659932	0	801	804	99 -	1	804	655777	656580
UN51297	Rsa1.0.05473.1	653	13628	0	630	660	95 -	1	648	11399	12058
UN51298	Rsa1.0.00234.1	678	197060	0	630	675	93 -	1	675	29670	30326
UN51299	Rsa1.0.05596.1	671	137912	1.00E-144	317	333	95 -	2	326	136411	136741
UN51300	Rsa1.0.00088.1	762	141341	1.00E-135	303	324	93 -	1	306	9534	9856
UN51301	Rsa1.0.37310.1	1458	604	1.00E-174	322	326	98 -	1133	1458	215	540
UN51302	Rsa1.0.04846.1	966	15739	0	501	525	95 +	440	962	13280	13801
UN51303	Rsa1.0.02867.1	654	27121	0	635	656	96 +	3	654	8500	9155
UN51304	Rsa1.0.01876.1	751	37800	0	561	566	99 +	185	750	20518	21083
UN51305	Rsa1.0.00092.1	721	659932	0	418	445	93 -	263	705	242851	243294
UN51306	Rsa1.0.01843.1	679	265131	1.00E-168	385	414	92 -	3	410	25363	25776
UN51307	Rsa1.0.01048.1	513	55684	0	385	386	99 +	128	513	31549	31934
UN51308	Rsa1.0.08558.1	822	7198	0	511	512	99 -	311	822	383	894
UN51309	Rsa1.0.00944.1	1061	58733	1.00E-151	272	272	100 -	790	1061	58213	58484
UN51310	Rsa1.0.01536.1	919	43747	0	417	435	95 +	194	628	18915	19349
UN51311	Rsa1.0.14001.1	895	3933	0	398	413	96 -	450	862	1399	1810
UN51312	Rsa1.0.02950.1	1144	26506	0	481	481	100 -	11	491	7276	7756
UN51313	Rsa1.0.00012.1	863	222148	0	325	325	100 +	539	863	69957	70281
UN51314	Rsa1.0.07446.1	941	9384	0	368	373	98 -	4	376	1803	2175
UN51315	Rsa1.0.00056.1	967	332604	0	501	502	99 -	1	502	96611	97112
UN51316	Rsa1.0.00545.1	927	189649	0	410	414	99 +	511	924	32439	32852
UN51317	Rsa1.0.02068.1	508	35432	1.00E-127	230	230	100 +	1	230	8747	8976
UN51318	Rsa1.0.01986.1	443	36489	1.00E-179	352	361	97 +	85	443	23647	24006
UN51319	Rsa1.0.01373.1	746	47052	0	430	430	100 +	316	745	21559	21988
UN51320	Rsa1.0.00240.1	1016	104175	0	589	592	99 -	426	1016	48201	48791
UN51321	Rsa1.0.11525.1	1619	5479	0	1044	1046	99 +	49	1094	4434	5479
UN51322	Rsa1.0.00886.1	695	167350	1.00E-109	231	240	96 -	74	311	141325	141564

UN51323	Rsa1.0.07519.1	1124	9209	1.00E-120	226	228	99 +	873	1100	8204	8431
UN51324	Rsa1.0.00033.1	888	515811	5.00E-80	257	292	88 +	600	883	462808	463082
UN51325	Rsa1.0.00566.1	1716	75325	1.00E-180	433	465	93 +	828	1291	24399	24860
UN51326	Rsa1.0.07534.1	740	9184	1.00E-166	343	357	96 -	378	733	7358	7714
UN51327	Rsa1.0_15114.1	712	2815	0	436	448	97 +	4	451	2188	2624
UN51328	Rsa1.0_00744.1	663	66084	1.00E-119	274	293	93 -	378	660	18750	19041
UN51329	Rsa1.0.00663.1	318	164969	1.00E-106	286	309	92 +	7	301	120787	121091
UN51330	Rsa1.0.31664.1	538	722	1.00E-109	203	204	99 +	41	244	514	717
UN51331	Rsa1.0.00086.1	536	439854	1.00E-177	346	353	98 -	171	521	342254	342604
UN51332	Rsa1.0.01410.1	688	46345	1.00E-178	331	336	98 +	115	450	33684	34019
UN51333	Rsa1.0.00270.1	356	101236	1.00E-117	330	362	91 -	2	355	25068	25422
UN51334	Rsa1.0.00374.1	1079	165738	0	574	574	100 -	3	576	95095	95668
UN51335	Rsa1.0.01236.1	742	50156	1.00E-141	263	266	98 -	477	742	1237	1502
UN51336	Rsa1.0.01717.1	794	143162	1.00E-137	269	276	97 -	140	415	15704	15979
UN51337	Rsa1.0.02766.1	926	28128	0	687	706	97 -	1	704	17310	18009
UN51338	Rsa1.0.62464.1	1262	367	1.00E-172	322	327	98 +	55	381	1	327
UN51339	Rsa1.0.00301.1	704	365315	1.00E-177	342	351	97 -	5	355	346684	347034
UN51340	Rsa1.0.01762.1	623	39682	0	462	480	96 +	137	616	1493	1972
UN51341	Rsa1.0.00131.1	433	432233	1.00E-94	210	220	95 -	18	236	11596	11815
UN51342	Rsa1.0.01136.1	367	52724	9.00E-52	174	197	88 +	185	367	14179	14375
UN51343	Rsa1.0.00179.1	649	393324	1.00E-86	256	283	90 -	3	275	250660	250934
UN51344	Rsa1.0.01263.1	463	49703	2.00E-80	158	160	98 +	67	226	39811	39970
UN51345	Rsa1.0_14535.1	616	3289	0	594	613	96 -	1	602	477	1089
UN51346	Rsa1.0.00006.1	635	396176	1.00E-168	374	395	94 +	3	395	307719	308106
UN51347	Rsa1.0.00194.1	658	110851	1.00E-142	297	308	96 -	2	308	42338	42644
UN51348	Rsa1.0.02914.1	491	26815	1.00E-172	344	354	97 -	139	490	26114	26467
UN51349	Rsa1.0.05599.1	477	143653	3.00E-83	189	197	95 +	283	477	139259	139455
UN51350	Rsa1.0.03610.1	1003	21797	1.00E-166	314	320	98 -	440	759	15982	16301
UN51351	Rsa1.0.03263.1	974	24268	0	468	468	100 -	421	888	3646	4113
UN51352	Rsa1.0.06675.1	632	10561	0	465	490	94 +	2	489	9613	10101
UN51353	Rsa1.0.00608.1	1042	172672	0	722	801	90 -	22	799	3169	3956
UN51354	Rsa1.0.02113.1	722	34890	0	586	591	99 -	5	595	22932	23522
UN51355	Rsa1.0.03100.1	868	25411	0	436	474	91 +	196	648	19710	20183
UN51356	Rsa1.0.00113.1	606	131574	1.00E-126	268	281	95 -	325	605	59767	60047
UN51357	Rsa1.0.05277.1	428	14284	4.00E-85	201	213	94 -	26	237	8545	8753
UN51358	Rsa1.0.00459.1	663	82580	1.00E-137	260	264	98 +	255	518	57149	57412
UN51359	Rsa1.0.00524.1	536	169613	1.00E-135	336	366	91 +	18	383	161744	162096
UN51360	Rsa1.0.05653.1	538	13043	0	508	532	95 -	4	533	10815	11346
UN51361	Rsa1.0.00184.1	622	218748	1.00E-110	301	332	90 +	4	316	213949	214279

UN51362	Rsa1.0.00558.1	882	75819	0	611	624	97 -	259	882	28200	28823
UN51363	Rsa1.0.00002.1	931	601661	0	396	398	99 +	4	400	140281	140677
UN51364	Rsa1.0.08338.1	347	7511	1.00E-121	289	315	91 +	1	315	493	787
UN51365	Rsa1.0.01296.1	647	49035	3.00E-77	213	231	92 -	1	218	23171	23401
UN51366	Rsa1.0.01843.1	666	265131	1.00E-141	295	308	95 -	288	595	9831	10135
UN51367	Rsa1.0.01516.1	400	44196	1.00E-112	257	273	94 +	48	319	24176	24448
UN51368	Rsa1.0.00380.1	470	89748	1.00E-124	328	362	90 -	1	359	88066	88406
UN51369	Rsa1.0.00008.1	475	358124	1.00E-162	357	379	94 -	6	381	323035	323413
UN51370	Rsa1.0.01936.1	514	37151	0	490	519	94 +	1	512	18253	18769
UN51371	Rsa1.0.03088.1	477	25476	1.00E-176	353	364	96 -	1	362	500	863
UN51372	Rsa1.0.02212.1	569	33840	2.33E-156	269	271	99 -	297	567	27454	27724
UN51373	Rsa1.0.00026.1	585	327835	2.00E-87	311	351	88 -	1	330	174424	174772
UN51374	Rsa1.0.00192.1	568	278200	0	361	363	99 -	205	567	26723	27085
UN51375	Rsa1.0.38122.1	721	591	1.00E-107	201	202	99 +	1	202	41	242
UN51376	Rsa1.0.00066.1	598	152418	0	483	504	95 -	2	503	63479	63982
UN51377	Rsa1.0.00220.1	556	192936	0	421	442	95 -	1	433	4428	4868
UN51378	Rsa1.0.00092.1	350	659932	9.00E-61	191	210	90 +	5	205	190130	190338
UN51379	Rsa1.0.04512.1	417	17031	1.00E-109	216	221	97 +	91	311	12723	12943
UN51380	Rsa1.0.01101.1	571	54031	1.00E-153	316	330	95 -	17	346	14928	15257
UN51381	Rsa1.0.00467.1	657	156542	1.00E-119	276	293	94 -	365	657	10784	11068
UN51382	Rsa1.0.00134.1	417	390219	0	354	357	99 -	61	417	21813	22169
UN51383	Rsa1.0.02456.1	701	31222	1.00E-131	245	246	99 -	457	701	23757	24002
UN51384	Rsa1.0.00344.1	581	191774	1.00E-109	213	217	98 -	364	580	156245	156461
UN51385	Rsa1.0.01215.1	1063	166813	0	379	392	96 +	683	1063	10584	10975
UN51386	Rsa1.0.00040.1	1072	324196	0	728	778	93 +	8	767	296489	297259
UN51387	Rsa1.0.68364.1	549	335	3.00E-92	175	176	99 -	1	176	89	264
UN51388	Rsa1.0.66369.1	506	345	1.00E-116	256	268	95 +	233	499	50	315
UN51389	Rsa1.0.03826.1	552	20614	0	510	516	98 +	36	551	3495	4009
UN51390	Rsa1.0.13633.1	579	4605	1.00E-134	243	243	100 -	335	577	1116	1358
UN51391	Rsa1.0.15301.1	644	2703	1.00E-174	419	450	93 +	1	448	787	1224
UN51392	Rsa1.0.27069.1	397	867	1.00E-171	338	348	97 -	2	342	31	378
UN51393	Rsa1.0.05638.1	496	13098	0	469	494	94 +	5	494	4554	5047
UN51394	Rsa1.0.00016.1	1182	831256	1.00E-158	310	318	97 -	290	604	429113	429430
UN51395	Rsa1.0.00119.1	626	467509	0	474	491	96 -	1	488	374988	375478
UN51396	Rsa1.0.00602.1	668	73302	0	591	605	97 -	3	606	29626	30229
UN51397	Rsa1.0.00632.1	582	183777	1.00E-137	275	283	97 +	3	284	149156	149438
UN51398	Rsa1.0.00305.1	690	97308	1.00E-148	272	274	99 +	417	690	22217	22490
UN51399	Rsa1.0.02805.1	1280	27698	0	408	409	99 -	3	411	10386	10794
UN51400	Rsa1.0.03436.1	481	22958	1.00E-137	256	259	98 +	93	351	474	732

UN51401	Rsa1.0.00967.1	808	58049	0	787	800	98 -	3	792	4820	5618
UN51402	Rsa1.0.00015.1	1023	561803	1.00E-158	417	458	91 -	31	480	526505	526940
UN51403	Rsa1.0.01238.1	793	50120	0	615	650	94 -	159	793	46732	47381
UN51404	Rsa1.0.07428.1	365	9411	1.00E-106	196	196	100 -	1	196	4590	4785
UN51405	Rsa1.0.00253.1	1213	231292	0	340	342	99 -	871	1212	89860	90201
UN51406	Rsa1.0.01352.1	468	47443	1.00E-130	235	235	100 -	1	235	35006	35240
UN51407	Rsa1.0.05684.1	670	12943	1.00E-158	283	283	100 +	388	670	12129	12411
UN51408	Rsa1.0.03605.1	935	21827	1.00E-167	341	353	96 +	369	718	20342	20693
UN51409	Rsa1.0.01190.1	592	194501	1.00E-132	309	331	93 -	261	590	157991	158321
UN51410	Rsa1.0.03563.1	1218	22070	0	604	604	100 -	614	1217	15492	16095
UN51411	Rsa1.0.00104.1	549	368722	1.00E-123	230	232	99 +	205	436	211493	211724
UN51412	Rsa1.0.00663.1	1010	164969	1.00E-157	282	282	100 -	1	282	146843	147124
UN51413	Rsa1.0.01806.1	551	39021	8.00E-84	158	158	100 -	1	158	12836	12993
UN51414	Rsa1.0.00738.1	963	66322	1.00E-126	302	325	92 -	642	963	27044	27359
UN51415	Rsa1.0.00203.1	1297	109129	0	864	878	98 +	10	887	91211	92088
UN51416	Rsa1.0.01185.1	665	149842	1.00E-174	309	309	100 +	357	665	11446	11754
UN51417	Rsa1.0.00592.1	2152	73788	0	932	933	99 -	3	935	20791	21723
UN51418	Rsa1.0.13911.1	553	4104	1.00E-169	304	305	99 -	248	552	2589	2893
UN51419	Rsa1.0.00512.1	829	200277	1.00E-153	325	340	95 -	480	815	18465	18804
UN51420	Rsa1.0.01071.1	717	166914	0	436	449	97 -	1	447	24488	24933
UN51421	Rsa1.0.01943.1	850	37042	8.00E-17	94	110	85 +	301	410	5199	5308
UN51422	Rsa1.0.02015.1	921	36008	1.00E-155	296	301	98 +	623	921	24369	24669
UN51423	Rsa1.0.00184.1	995	218748	0	666	685	97 -	309	992	211005	211686
UN51424	Rsa1.0.00473.1	933	212204	0	551	570	96 +	367	933	20772	21341
UN51425	Rsa1.0.00145.1	883	261008	1.00E-148	316	331	95 +	4	329	61405	61735
UN51426	Rsa1.0.03643.1	864	21607	0	655	670	97 -	1	670	5222	5890
UN51427	Rsa1.0.00003.1	718	340054	0	704	707	99 +	10	716	136742	137446
UN51428	Rsa1.0.00608.1	973	172672	0	593	620	95 -	73	685	3338	3956
UN51429	Rsa1.0.01009.1	681	56922	1.00E-147	277	281	98 -	7	287	3612	3892
UN51430	Rsa1.0.01965.1	793	36698	1.00E-126	342	374	91 +	435	793	24177	24541
UN51431	Rsa1.0.00037.1	1338	307838	1.00E-93	258	288	89 -	3	275	150842	151127
UN51432	Rsa1.0.00068.1	777	151813	0	495	524	94 +	253	769	134543	135066
UN51433	Rsa1.0.02121.1	1150	34813	1.00E-34	76	76	100 +	690	765	5656	5731
UN51434	Rsa1.0.02429.1	750	31527	0	497	542	91 +	40	575	9754	10295
UN51435	Rsa1.0.00353.1	929	92242	0	399	411	97 -	514	923	82868	83278
UN51436	Rsa1.0.00467.1	669	156542	1.00E-126	284	300	94 +	5	304	10779	11070
UN51437	Rsa1.0.00091.1	980	139699	1.00E-101	253	271	93 -	91	358	80286	80555
UN51438	Rsa1.0.00632.1	587	183777	0	545	593	91 -	1	587	11001	11593
UN51439	Rsa1.0.00796.1	611	63997	0	326	326	100 +	3	328	35845	36170

UN51440	Rsa1.0.00782.1	373	64468	1.00E-158	306	313	97 +	63	373	13384	13696
UN51441	Rsa1.0.01101.1	992	54031	0	496	496	100 +	497	992	20468	20963
UN51442	Rsa1.0.00416.1	984	86772	1.00E-149	274	276	99 +	707	982	41330	41605
UN51443	Rsa1.0.00596.1	1132	73578	1.00E-179	324	326	99 -	798	1123	9146	9471
UN51444	Rsa1.0.03099.1	1244	139424	1.00E-105	224	231	96 -	57	286	2121	2350
UN51445	Rsa1.0.02333.1	638	32431	1.00E-123	374	418	89 +	221	627	29979	30389
UN51446	Rsa1.0.00923.1	596	153678	0	580	590	98 +	7	596	23048	23636
UN51447	Rsa1.0.02003.1	865	36171	1.00E-162	305	309	98 -	1	307	15955	16263
UN51448	Rsa1.0.01835.1	750	38542	0	373	373	100 -	378	750	21282	21654
UN51449	Rsa1.0.01655.1	559	41508	0	430	438	98 -	130	559	31076	31513
UN51450	Rsa1.0.00017.1	870	752458	0	416	444	93 -	353	793	393326	393760
UN51451	Rsa1.0.01949.1	1105	36960	1.00E-154	357	380	93 -	715	1090	20456	20826
UN51452	Rsa1.0.00473.1	1204	212204	0	522	524	99 +	681	1204	8150	8673
UN51453	Rsa1.0.00202.1	620	185895	1.00E-101	217	224	96 +	398	620	12228	12450
UN51454	Rsa1.0.05391.1	1479	13936	0	643	658	97 -	261	918	3534	4191
UN51455	Rsa1.0.30914.1	1621	741	0	357	359	99 -	748	1106	383	741
UN51456	Rsa1.0.01660.1	849	41400	1.00E-154	398	436	91 -	1	405	27246	27680
UN51457	Rsa1.0.00886.1	869	167350	1.00E-144	335	355	94 +	3	350	33036	33388
UN51458	Rsa1.0.19989.1	1050	1355	4.00E-93	186	190	97 +	726	915	16	205
UN51459	Rsa1.0.00087.1	710	761073	1.00E-134	256	259	98 -	452	710	191414	191671
UN51460	Rsa1.0.00016.1	1192	831256	1.00E-135	351	382	91 +	793	1169	663583	663952
UN51461	Rsa1.0.01440.1	1072	45807	1.00E-126	244	248	98 -	1	245	30644	30891
UN51462	Rsa1.0.00206.1	1104	109040	1.00E-162	311	317	98 -	786	1102	50381	50695
UN51463	Rsa1.0.19248.1	910	1457	0	351	358	98 -	356	713	1	358
UN51464	Rsa1.0.00407.1	1025	191544	0	744	821	90 -	201	995	155557	156357
UN51465	Rsa1.0.02345.1	796	32337	0	334	335	99 -	1	335	15392	15726
UN51466	Rsa1.0.00246.1	912	103541	1.00E-118	301	326	92 +	1	322	89280	89594
UN51467	Rsa1.0.00462.1	1230	82288	0	433	442	97 +	791	1230	68395	68834
UN51468	Rsa1.0.03044.1	951	25791	0	460	479	96 -	472	950	5741	6219
UN51469	Rsa1.0.00506.1	993	79106	1.00E-152	279	281	99 -	713	993	10814	11094
UN51470	Rsa1.0.00486.1	1111	80875	0	550	579	94 +	333	894	15624	16200
UN51471	Rsa1.0.00437.1	1136	84879	0	544	556	97 +	582	1135	50510	51064
UN51472	Rsa1.0.00913.1	1385	59914	0	439	455	96 -	940	1385	54263	54717
UN51473	Rsa1.0.00213.1	767	108167	0	518	558	92 -	3	548	62067	62612
UN51474	Rsa1.0.00273.1	573	326186	0	571	573	99 -	1	573	28142	28714
UN51475	Rsa1.0.00304.1	793	97429	0	753	777	96 -	1	776	19166	19938
UN51476	Rsa1.0.01166.1	1148	51877	0	595	619	96 +	1	619	36970	37579
UN51477	Rsa1.0.00492.1	901	80178	0	452	475	95 +	4	475	64935	65409
UN51478	Rsa1.0.11577.1	762	5467	2.00E-91	256	280	91 +	2	274	738	1012

UN51479	Rsa1.0.00184.1	1197	218748	0	515	548	93 +	346	888	213752	214279
UN51480	Rsa1.0.07606.1	639	9035	0	625	647	96 +	1	639	1955	2601
UN51481	Rsa1.0.01731.1	1141	40208	1.00E-156	298	304	98 -	1	304	16322	16625
UN51482	Rsa1.0.02615.1	861	29547	0	581	583	99 -	279	861	15679	16261
UN51483	Rsa1.0.00017.1	843	752458	0	840	846	99 -	3	843	393303	394148
UN51484	Rsa1.0.00289.1	740	98620	1.00E-158	283	283	100 -	1	283	97044	97326
UN51485	Rsa1.0.00678.1	596	193163	8.00E-75	165	170	97 +	428	594	24056	24225
UN51486	Rsa1.0.01476.1	802	172928	0	551	553	99 +	1	553	171075	171627
UN51487	Rsa1.0.03122.1	1135	25207	1.00E-168	321	328	97 +	270	597	6320	6647
UN51488	Rsa1.0.03191.1	974	145762	1.00E-133	323	346	93 +	630	974	16325	16658
UN51489	Rsa1.0.18154.1	978	1655	1.00E-176	327	330	99 -	587	915	1163	1492
UN51490	Rsa1.0.08807.1	871	6906	1.00E-120	229	232	98 -	273	504	4140	4371
UN51491	Rsa1.0.00098.1	960	349239	0	433	448	96 +	2	449	292716	293162
UN51492	Rsa1.0.02198.1	1023	33989	1.00E-154	301	309	97 +	126	434	23969	24277
UN51493	Rsa1.0.00190.1	1007	318240	0	688	705	97 -	1	705	191430	192134
UN51494	Rsa1.0.00116.1	831	365886	1.00E-104	228	236	96 +	594	829	315711	315943
UN51495	Rsa1.0.00060.1	1108	502678	1.00E-137	260	264	98 +	203	466	126419	126682
UN51496	Rsa1.0.19040.1	938	1491	1.00E-170	371	392	94 +	422	812	953	1344
UN51497	Rsa1.0.01570.1	1403	43015	5.00E-87	280	317	88 -	1107	1403	10813	11124
UN51498	Rsa1.0.04224.1	1029	18402	1.00E-180	383	398	96 +	602	997	703	1095
UN51499	Rsa1.0.01029.1	596	256254	1.00E-172	327	334	97 +	263	596	245893	246226
UN51500	Rsa1.0.09126.1	1276	6625	0	587	610	96 +	17	622	5099	5707
UN51501	Rsa1.0.01236.1	1330	50156	1.00E-174	325	327	99 +	893	1217	30684	31010
UN51502	Rsa1.0.14001.1	838	3933	0	389	393	98 -	390	782	1418	1810
UN51503	Rsa1.0.00487.1	808	80674	0	409	418	97 -	389	806	12821	13238
UN51504	Rsa1.0.03005.1	1152	26082	0	522	561	93 +	1	557	23145	23688
UN51505	Rsa1.0.00091.1	1326	139699	0	382	388	98 -	115	502	138092	138479
UN51506	Rsa1.0.00175.1	771	166121	0	688	709	97 +	63	771	85419	86124
UN51507	Rsa1.0.02826.1	959	27560	1.00E-113	289	310	93 +	1	302	14770	15075
UN51508	Rsa1.0.00414.1	624	202190	0	611	628	97 -	1	624	3372	3998
UN51509	Rsa1.0.05708.1	865	12871	0	587	613	95 +	257	863	11144	11756
UN51510	Rsa1.0.00609.1	1021	72785	0	467	480	97 +	433	912	52619	53098
UN51511	Rsa1.0.00055.1	890	520193	0	880	922	95 +	2	890	169278	170199
UN51512	Rsa1.0.00116.1	1384	365886	0	512	519	98 -	870	1384	350760	351278
UN51513	Rsa1.0.02471.1	555	31104	1.00E-154	315	328	96 +	1	328	24411	24738
UN51514	Rsa1.0.00979.1	1286	57733	1.00E-172	330	338	97 -	187	524	31552	31889
UN51515	Rsa1.0.00351.1	842	413096	1.00E-145	277	281	98 +	475	755	242921	243200
UN51516	Rsa1.0.00254.1	500	102600	5.00E-88	203	213	95 +	285	496	84257	84468
UN51517	Rsa1.0.00786.1	922	64285	1.00E-99	197	201	98 -	370	570	41596	41796

UN51518	Rsa1.0.00116.1	1290	365886	0	662	669	98 -	270	938	336690	337358
UN51519	Rsa1.0.00848.1	555	152362	0	400	408	98 -	148	555	47938	48343
UN51520	Rsa1.0.00734.1	851	66508	0	556	594	93 -	270	851	62072	62665
UN51521	Rsa1.0.01154.1	1098	52249	0	574	578	99 -	522	1097	9020	9597
UN51522	Rsa1.0.02254.1	677	33344	2.00E-66	273	319	85 -	3	295	4778	5093
UN51523	Rsa1.0.01955.1	995	36850	0	744	791	94 +	223	995	13035	13817
UN51524	Rsa1.0.01628.1	640	41932	2.00E-53	167	187	89 +	350	536	24850	25036
UN51525	Rsa1.0.09048.1	605	6683	0	547	577	94 -	1	564	5245	5820
UN51526	Rsa1.0.07208.1	1029	9719	1.00E-141	292	304	96 +	258	561	8064	8364
UN51527	Rsa1.0.02963.1	1438	26407	2.33E-156	269	271	99 +	271	541	13077	13347
UN51528	Rsa1.0.01743.1	786	39926	0	389	406	95 -	372	773	6810	7212
UN51529	Rsa1.0.02848.1	579	27329	1.00E-177	359	372	96 -	10	377	8638	9008
UN51530	Rsa1.0.04458.1	1035	17255	1.00E-160	311	319	97 -	47	365	7725	8043
UN51531	Rsa1.0.00480.1	856	81325	0	469	475	98 -	381	855	4328	4802
UN51532	Rsa1.0.01389.1	1018	46716	0	385	397	96 -	621	1015	9773	10165
UN51533	Rsa1.0.01516.1	1202	44196	0	958	1010	94 -	172	1172	24673	25680
UN51534	Rsa1.0.05622.1	1317	13145	1.00E-179	529	595	88 -	3	571	3626	4198
UN51535	Rsa1.0.01418.1	1024	46237	1.00E-173	311	312	99 +	712	1023	7186	7497
UN51536	Rsa1.0.00110.1	1610	132719	0	702	714	98 -	1	714	60665	61375
UN51537	Rsa1.0.00662.1	832	192183	1.00E-119	235	241	97 -	293	533	189853	190093
UN51538	Rsa1.0.01487.1	1067	44784	0	521	531	98 +	96	625	14410	14939
UN51539	Rsa1.0.00552.1	869	206757	1.00E-164	368	393	93 +	1	378	195157	195549
UN51540	Rsa1.0.01650.1	549	41589	1.00E-158	488	560	87 +	4	549	34759	35302
UN51541	Rsa1.0.00056.1	607	332604	4.00E-86	180	186	96 -	230	415	90557	90742
UN51542	Rsa1.0.01414.1	1039	149508	1.00E-161	339	353	96 +	684	1033	115743	116091
UN51543	Rsa1.0.00017.1	840	752458	1.00E-166	338	351	96 -	2	350	41954	42304
UN51544	Rsa1.0.00026.1	368	327835	1.00E-126	274	288	95 +	81	368	306356	306642
UN51545	Rsa1.0.00105.1	389	134138	1.00E-168	366	387	94 +	2	387	123999	124385
UN51546	Rsa1.0.02333.1	489	32431	1.00E-116	273	289	94 +	196	479	29979	30265
UN51547	Rsa1.0.04184.1	930	18598	1.00E-148	315	331	95 -	2	328	9046	9376
UN51548	Rsa1.0.00470.1	669	81968	1.00E-169	365	385	94 +	1	384	27990	28369
UN51549	Rsa1.0.13523.1	841	4753	1.00E-178	319	320	99 -	3	322	470	789
UN51550	Rsa1.0.04325.1	1211	17885	1.00E-115	280	308	90 +	2	288	13735	14042
UN51551	Rsa1.0.04234.1	499	18378	1.00E-85	191	201	95 -	162	362	7914	8114
UN51552	Rsa1.0.00318.1	546	96094	1.00E-109	201	201	100 +	346	546	43690	43890
UN51553	Rsa1.0.00243.1	1034	103651	1.00E-142	257	257	100 +	528	784	4656	4912
UN51554	Rsa1.0.01948.1	903	36966	0	485	489	99 -	413	901	15160	15648
UN51555	Rsa1.0.01938.1	888	264018	0	609	644	94 -	246	888	159638	160265
UN51556	Rsa1.0.00259.1	824	163204	0	787	826	95 -	1	824	154333	155137

UN51557	Rsa1.0.00048.1	746	167185	0	360	370	97 -	375	744	12809	13178
UN51558	Rsa1.0.00697.1	917	67913	0	760	813	93 -	103	915	42295	43104
UN51559	Rsa1.0.00323.1	1052	159650	0	836	864	96 +	190	1052	148966	149828
UN51560	Rsa1.0.01281.1	679	49313	0	617	643	95 +	3	645	26768	27403
UN51561	Rsa1.0.01180.1	716	51517	1.00E-106	319	357	89 +	5	336	33807	34163
UN51562	Rsa1.0.00412.1	1176	86935	1.00E-144	323	342	94 -	5	343	49294	49634
UN51563	Rsa1.0.00108.1	1179	478491	0	494	496	99 -	2	497	91768	92263
UN51564	Rsa1.0.07565.1	964	9122	1.00E-157	315	325	96 -	186	510	4744	5067
UN51565	Rsa1.0.00522.1	1141	78103	1.00E-90	203	214	94 +	345	558	48991	49204
UN51566	Rsa1.0.01249.1	913	188432	0	861	890	96 +	2	889	149504	150379
UN51567	Rsa1.0.00339.1	1446	222974	0	779	919	84 -	352	1270	28078	28996
UN51568	Rsa1.0.00179.1	742	393324	3.00E-84	255	283	90 +	468	740	250660	250934
UN51569	Rsa1.0.02158.1	716	154841	7.00E-85	179	185	96 -	161	345	133307	133487
UN51570	Rsa1.0.01009.1	672	56922	1.00E-170	309	311	99 +	360	670	3612	3922
UN51571	Rsa1.0.05431.1	904	13780	0	354	363	97 +	275	637	8836	9198
UN51572	Rsa1.0.01732.1	1319	40194	0	1226	1276	96 -	56	1317	24250	25518
UN51573	Rsa1.0.04845.1	1495	15747	1.00E-103	217	225	96 +	165	386	4169	4393
UN51574	Rsa1.0.01362.1	1111	47217	0	496	507	97 -	2	508	66	572
UN51575	Rsa1.0.01943.1	1064	37042	1.00E-133	304	318	95 +	3	317	4790	5105
UN51576	Rsa1.0.02085.1	1232	35198	1.00E-107	261	282	92 -	2	273	17654	17935
UN51577	Rsa1.0.00111.1	1368	390088	1.00E-127	231	231	100 +	261	491	382034	382264
UN51578	Rsa1.0.02199.1	1586	33982	1.00E-153	301	307	98 +	5	310	10775	11080
UN51579	Rsa1.0.00009.1	871	232558	0	709	728	97 +	104	827	11234	11961
UN51580	Rsa1.0.39426.1	1174	570	0	378	392	96 +	732	1119	46	437
UN51581	Rsa1.0.00649.1	890	70263	0	347	349	99 +	541	889	62855	63203
UN51582	Rsa1.0.00132.1	582	124299	1.00E-130	287	301	95 +	284	582	99696	99993
UN51583	Rsa1.0.02139.1	1217	34686	0	521	533	97 -	685	1216	24882	25414
UN51584	Rsa1.0.02860.1	778	27207	1.00E-143	307	318	96 -	3	319	26162	26476
UN51585	Rsa1.0.01049.1	809	55655	2.00E-94	185	188	98 -	265	452	43175	43362
UN51586	Rsa1.0.00961.1	881	58185	2.33E-156	304	318	95 -	1	307	44233	44550
UN51587	Rsa1.0.00064.1	900	240927	1.00E-106	202	204	99 -	46	249	35983	36186
UN51588	Rsa1.0.01263.1	493	49703	1.00E-66	153	161	95 +	79	239	39810	39970
UN51589	Rsa1.0.00120.1	800	277288	0	393	398	98 +	403	800	121696	122093
UN51590	Rsa1.0.01978.1	801	36546	1.00E-128	264	273	96 -	8	280	12510	12781
UN51591	Rsa1.0.05702.1	767	12884	1.00E-105	271	291	93 -	1	286	712	999
UN51592	Rsa1.0.00289.1	1329	98620	1.00E-113	250	264	94 +	17	280	12905	13168
UN51593	Rsa1.0.00069.1	1146	403561	0	458	493	92 +	663	1145	179274	179756
UN51594	Rsa1.0.00073.1	610	240924	4.00E-98	191	194	98 -	67	260	98132	98325
UN51595	Rsa1.0.08421.1	884	7380	1.00E-131	310	334	92 +	367	700	3635	3968

UN51596	Rsa1.0.01092.1	580	54348	1.00E-167	366	386	94 +	194	578	53690	54074
UN51597	Rsa1.0.03615.1	984	21766	1.00E-153	281	283	99 +	272	554	5270	5552
UN51598	Rsa1.0.00706.1	655	291570	0	626	660	94 +	1	649	23303	23961
UN51599	Rsa1.0.02836.1	941	27481	1.00E-136	274	282	97 +	1	282	12896	13176
UN51600	Rsa1.0.06209.1	771	11484	1.00E-155	281	282	99 -	232	513	3388	3669
UN51601	Rsa1.0.00522.1	1742	78103	5.00E-94	197	204	96 -	1243	1446	35226	35429
UN51602	Rsa1.0.05541.1	1070	139959	1.00E-132	294	308	95 -	765	1070	2801	3107
UN51603	Rsa1.0.00358.1	1022	91293	1.00E-151	347	364	95 -	1	359	1111	1473
UN51604	Rsa1.0.01015.1	521	56752	1.00E-97	190	193	98 -	329	521	2771	2963
UN51605	Rsa1.0.01171.1	1104	51752	1.00E-176	393	415	94 -	2	408	50943	51354
UN51606	Rsa1.0.02959.1	1286	26441	1.00E-161	312	321	97 -	966	1286	1703	2015
UN51607	Rsa1.0.01666.1	1228	173972	1.00E-102	224	234	95 +	237	470	23943	24175
UN51608	Rsa1.0.07894.1	784	8347	1.00E-159	303	308	98 -	310	617	6736	7042
UN51609	Rsa1.0.03075.1	1007	25560	1.00E-159	311	320	97 +	407	726	14646	14965
UN51610	Rsa1.0.03527.1	1274	22278	1.00E-170	346	358	96 -	1	356	18596	18952
UN51611	Rsa1.0.00329.1	1265	222544	0	557	583	95 -	684	1265	193152	193732
UN51612	Rsa1.0.00556.1	1308	207212	0	519	541	95 +	139	679	51917	52457
UN51613	Rsa1.0.02374.1	748	32043	1.00E-129	318	345	92 +	3	342	25664	25991
UN51614	Rsa1.0.00296.1	748	97854	0	486	515	94 -	1	514	17737	18250
UN51615	Rsa1.0.02245.1	641	33478	0	395	399	98 -	241	639	6327	6725
UN51616	Rsa1.0.00029.1	1382	272992	0	610	613	99 -	770	1382	160734	161346
UN51617	Rsa1.0.02836.1	935	27481	1.00E-139	269	275	97 +	7	281	12902	13176
UN51618	Rsa1.0.00451.1	911	322533	1.00E-142	316	332	95 -	4	331	301659	301986
UN51619	Rsa1.0.00007.1	922	239325	1.00E-68	158	165	95 -	647	810	12607	12771
UN51620	Rsa1.0.00816.1	1116	403350	0	576	586	98 -	3	587	133188	133773
UN51621	Rsa1.0.00131.1	1225	432233	1.00E-128	289	306	94 +	923	1225	11596	11894
UN51622	Rsa1.0.00712.1	1114	67217	0	415	429	96 +	2	426	66462	66889
UN51623	Rsa1.0.00006.1	929	396176	0	890	917	97 +	13	929	2889	3805
UN51624	Rsa1.0.00772.1	1165	64856	1.00E-109	296	330	89 +	859	1165	7619	7944
UN51625	Rsa1.0.02836.1	928	27481	1.00E-125	261	271	96 +	8	272	12905	13175
UN51626	Rsa1.0.01633.1	964	41868	1.00E-174	378	399	94 +	572	964	3035	3429
UN51627	Rsa1.0.01458.1	1562	175719	2.00E-65	128	128	100 +	1200	1327	38124	38251
UN51628	Rsa1.0.00566.1	941	75325	0	374	377	99 -	157	533	20189	20565
UN51629	Rsa1.0.02041.1	957	163634	6.00E-95	186	189	98 -	399	587	19367	19555
UN51630	Rsa1.0.05812.1	982	12571	0	896	935	95 +	4	937	2611	3545
UN51631	Rsa1.0.02064.1	1024	35476	0	484	485	99 -	540	1024	16539	17023
UN51632	Rsa1.0.00221.1	829	106972	0	421	436	96 +	2	437	37171	37606
UN51633	Rsa1.0.02605.1	866	29637	1.00E-132	418	471	88 +	411	866	12261	12730
UN51634	Rsa1.0.01000.1	1059	57140	1.00E-111	266	285	93 -	776	1059	37897	38171

UN51635	Rsa1.0_16553.1	475	2115	2.00E-37	92	96	95 -	176	271	174	269
UN51636	Rsa1.0_01896.1	1126	37512	0	892	907	98 -	24	922	5019	5925
UN51637	Rsa1.0_00078.1	825	175053	1.00E-171	332	341	97 -	490	825	40473	40813
UN51638	Rsa1.0_02608.1	1360	29613	0	484	484	100 +	742	1225	25681	26164
UN51639	Rsa1.0_01586.1	1074	42804	1.00E-166	332	344	96 +	731	1074	29493	29836
UN51640	Rsa1.0_00111.1	996	390088	0	377	394	95 -	285	678	381107	381500
UN51641	Rsa1.0_00123.1	595	325650	0	564	584	96 -	1	584	168374	168953
UN51642	Rsa1.0_01005.1	1005	56967	1.00E-137	260	264	98 +	324	587	19291	19554
UN51643	Rsa1.0_06541.1	502	10806	1.00E-73	235	259	90 +	1	253	10121	10372
UN51644	Rsa1.0_00625.1	1024	71672	0	587	612	95 -	414	1023	14866	15475
UN51645	Rsa1.0_00639.1	944	165873	0	887	938	94 +	3	939	126912	127849
UN51646	Rsa1.0_09527.1	1129	6311	1.00E-143	297	310	95 -	532	841	5870	6179
UN51647	Rsa1.0_00639.1	1293	165873	0	918	943	97 +	28	970	128441	129381
UN51648	Rsa1.0_01516.1	800	44196	0	398	421	94 -	11	431	36941	37359
UN51649	Rsa1.0_02060.1	863	35528	0	543	567	95 +	302	862	19474	20039
UN51650	Rsa1.0_00679.1	1227	68971	2.00E-89	193	200	96 +	372	571	33672	33870
UN51651	Rsa1.0_00009.1	941	232558	1.00E-160	350	367	95 +	583	940	53021	53383
UN51652	Rsa1.0_00033.1	1309	515811	1.00E-138	262	266	98 -	741	1006	354853	355118
UN51653	Rsa1.0_03940.1	1265	19962	0	895	901	99 -	3	900	11912	12812
UN51654	Rsa1.0_26014.1	1053	910	1.00E-104	241	254	94 -	803	1053	275	525
UN51655	Rsa1.0_01009.1	438	56922	1.00E-139	284	294	96 +	66	358	3228	3521
UN51656	Rsa1.0_11201.1	864	5585	0	365	366	99 +	477	842	3816	4181
UN51657	Rsa1.0_00817.1	822	62961	0	465	479	97 -	344	822	53855	54331
UN51658	Rsa1.0_00660.1	490	69688	1.00E-176	352	365	96 +	3	367	52586	52946
UN51659	Rsa1.0_00644.1	1083	136881	1.00E-110	202	202	100 -	425	626	63427	63628
UN51660	Rsa1.0_13713.1	1282	4437	0	344	349	98 -	1	348	1356	1704
UN51661	Rsa1.0_01135.1	1054	52799	0	501	506	99 +	321	826	24569	25074
UN51662	Rsa1.0_12394.1	741	5237	1.00E-174	324	329	98 -	1	329	4534	4862
UN51663	Rsa1.0_01634.1	1057	41865	0	383	396	96 +	1	387	38708	39103
UN51664	Rsa1.0_00078.1	976	175053	0	726	787	92 -	3	785	66652	67432
UN51665	Rsa1.0_02955.1	1265	26484	1.00E-169	323	329	98 -	462	790	21585	21911
UN51666	Rsa1.0_01651.1	941	41586	0	882	945	93 +	2	939	31329	32256
UN51667	Rsa1.0_09005.1	1162	6716	0	1048	1060	98 +	103	1162	4345	5403
UN51668	Rsa1.0_04581.1	1174	16772	1.00E-124	312	342	91 -	16	357	6485	6811
UN51669	Rsa1.0_03334.1	404	23659	1.00E-123	270	290	93 -	3	292	20257	20527
UN51670	Rsa1.0_01493.1	1405	44670	0	503	538	93 +	1	534	13292	13805
UN51671	Rsa1.0_01418.1	1042	46237	1.00E-163	308	313	98 +	733	1042	7186	7498
UN51672	Rsa1.0_00040.1	1186	324196	1.00E-148	346	367	94 +	815	1180	306929	307292
UN51673	Rsa1.0_02360.1	1072	32203	0	611	628	97 -	445	1071	23954	24578

UN51674	Rsa1.0.00164.1	1185	116642	0	1162	1195	97 +	2	1184	47977	49170
UN51675	Rsa1.0.00697.1	1172	67913	1.00E-135	245	245	100 -	2	246	58748	58992
UN51676	Rsa1.0.00066.1	554	152418	1.00E-116	264	279	94 +	28	303	139775	140053
UN51677	Rsa1.0.00008.1	664	358124	1.00E-132	269	279	96 +	1	279	201309	201587
UN51678	Rsa1.0.00011.1	984	225044	1.00E-155	383	418	91 -	585	982	50465	50872
UN51679	Rsa1.0.00343.1	759	93570	0	503	503	100 +	250	752	2493	2995
UN51680	Rsa1.0.01263.1	512	49703	1.00E-82	159	160	99 -	263	422	39811	39970
UN51681	Rsa1.0.02550.1	882	291051	1.00E-160	337	353	95 -	527	879	18197	18547
UN51682	Rsa1.0.00016.1	1187	831256	1.00E-162	320	326	98 +	25	347	370678	371003
UN51683	Rsa1.0.02565.1	850	30046	2.00E-91	180	183	98 -	280	462	26968	27150
UN51684	Rsa1.0.01613.1	1496	182542	0	343	347	98 -	345	690	165612	165957
UN51685	Rsa1.0.00065.1	933	454616	0	607	621	97 -	1	621	254496	255116
UN51686	Rsa1.0.00178.1	655	114861	1.00E-125	275	289	95 +	371	655	12165	12453
UN51687	Rsa1.0.01724.1	1057	40292	0	511	533	95 +	524	1056	19668	20191
UN51688	Rsa1.0.01303.1	892	48853	0	552	571	96 +	323	892	15251	15816
UN51689	Rsa1.0.07021.1	1052	10016	1.00E-123	311	343	90 +	350	677	7093	7426
UN51690	Rsa1.0.06571.1	922	10750	1.00E-93	213	226	94 -	70	295	6156	6375
UN51691	Rsa1.0.00008.1	731	358124	0	354	363	97 -	3	359	73510	73872
UN51692	Rsa1.0.00773.1	1117	64839	3.00E-94	200	208	96 +	536	743	58210	58417
UN51693	Rsa1.0.05753.1	1232	12732	0	475	480	98 +	6	485	11893	12372
UN51694	Rsa1.0.01565.1	1352	155447	0	469	480	97 +	196	675	1771	2249
UN51695	Rsa1.0.00464.1	1612	82253	0	489	498	98 +	618	1115	21695	22192
UN51696	Rsa1.0.01403.1	1079	46453	0	409	426	96 +	89	507	32216	32639
UN51697	Rsa1.0.03579.1	1158	21969	0	435	465	93 -	2	461	18958	19419
UN51698	Rsa1.0.00395.1	798	214466	1.00E-128	276	290	95 +	1	281	4418	4707
UN51699	Rsa1.0.02966.1	959	135126	0	478	505	94 -	2	493	17972	18470
UN51700	Rsa1.0.02001.1	804	36198	0	453	476	95 -	1	476	31940	32408
UN51701	Rsa1.0.00734.1	974	66508	1.00E-159	288	289	99 -	1	289	15771	16059
UN51702	Rsa1.0.04489.1	937	17145	4.00E-99	196	200	98 -	460	659	9319	9518
UN51703	Rsa1.0.00087.1	661	761073	0	638	661	96 -	1	660	25292	25949
UN51704	Rsa1.0.00991.1	1637	143101	1.00E-167	449	494	90 -	1174	1637	47350	47839
UN51705	Rsa1.0.00582.1	2504	74333	0	586	597	98 +	1913	2503	29655	30251
UN51706	Rsa1.0.07171.1	707	9788	2.00E-82	210	226	92 -	480	705	6661	6882
UN51707	Rsa1.0.00564.1	749	75428	1.00E-110	228	235	97 -	1	235	67712	67945
UN51708	Rsa1.0.02226.1	1100	33726	0	436	440	99 -	661	1099	12179	12618
UN51709	Rsa1.0.00510.1	1292	78718	0	545	568	95 +	657	1223	25008	25568
UN51710	Rsa1.0.00806.1	1324	63674	0	1301	1328	97 -	2	1323	42059	43386
UN51711	Rsa1.0.17783.1	1471	1741	6.00E-22	97	111	87 +	188	298	314	424
UN51712	Rsa1.0.01775.1	757	39519	1.00E-120	253	262	96 +	499	757	10927	11188

UN51713	Rsa1.0.01692.1	1438	40894	1.00E-101	194	196	98 -	657	852	24599	24794
UN51714	Rsa1.0.01931.1	2299	37187	1.00E-130	272	282	96 +	352	633	3374	3650
UN51715	Rsa1.0.02197.1	1351	33996	0	868	932	93 -	42	956	30823	31754
UN51716	Rsa1.0.06010.1	1897	11944	0	931	969	96 +	932	1897	1551	2518
UN51717	Rsa1.0.02326.1	1333	32503	0	437	438	99 -	892	1329	24523	24960
UN51718	Rsa1.0.02699.1	1549	28586	0	399	399	100 -	471	869	6499	6897
UN51719	Rsa1.0.01261.1	1351	49744	1.00E-145	268	270	99 -	3	272	25172	25441
UN51720	Rsa1.0.00001.1	795	363028	1.00E-140	311	329	94 -	217	539	323550	323878
UN51721	Rsa1.0.00566.1	582	75325	0	517	539	95 +	43	580	26279	26810
UN51722	Rsa1.0.05467.1	670	13649	0	498	512	97 -	6	515	11334	11844
UN51723	Rsa1.0.03952.1	885	19891	0	554	567	97 -	170	736	3722	4288
UN51724	Rsa1.0.00059.1	756	159650	1.00E-119	386	440	87 -	327	756	123541	123957
UN51725	Rsa1.0.04224.1	972	18402	0	398	400	99 -	3	402	703	1102
UN51726	Rsa1.0.02222.1	453	152798	0	430	447	96 -	13	453	4671	5115
UN51727	Rsa1.0.00223.1	1103	106231	0	1017	1067	95 +	43	1101	2970	4033
UN51728	Rsa1.0.00256.1	875	102426	0	438	439	99 +	437	875	86245	86682
UN51729	Rsa1.0.00297.1	1143	97836	1.00E-167	310	314	98 -	1	314	34992	35305
UN51730	Rsa1.0.03001.1	782	26108	1.00E-138	309	326	94 +	1	323	5503	5824
UN51731	Rsa1.0.06989.1	1009	10060	1.00E-169	361	381	94 +	640	1009	6765	7145
UN51732	Rsa1.0.02449.1	1137	31292	1.00E-132	240	240	100 -	702	941	13545	13784
UN51733	Rsa1.0.00101.1	623	267193	1.00E-137	304	325	93 +	316	623	47238	47562
UN51734	Rsa1.0.00341.1	710	249309	1.00E-114	209	209	100 -	187	395	128945	129153
UN51735	Rsa1.0.00349.1	776	92621	1.00E-114	213	214	99 -	302	515	53097	53310
UN51736	Rsa1.0.00086.1	537	439854	0	388	401	96 +	1	397	342204	342604
UN51737	Rsa1.0.00316.1	1291	96264	0	483	495	97 -	3	497	85542	86036
UN51738	Rsa1.0.00258.1	1065	102381	1.00E-154	301	309	97 -	141	449	46518	46826
UN51739	Rsa1.0.00812.1	657	63233	1.00E-150	291	298	97 +	5	302	17154	17451
UN51740	Rsa1.0.01295.1	973	49040	1.00E-144	280	286	97 +	575	860	21320	21603
UN51741	Rsa1.0.07439.1	1353	9392	8.00E-89	167	167	100 +	10	176	4682	4848
UN51742	Rsa1.0.02054.1	933	35548	1.00E-133	268	277	96 -	492	768	27078	27354
UN51743	Rsa1.0.00131.1	348	432233	1.00E-123	251	260	96 +	89	348	69127	69386
UN51744	Rsa1.0.00246.1	1019	103541	1.00E-107	203	205	99 -	130	334	6780	6984
UN51745	Rsa1.0.03954.1	658	19886	1.00E-143	270	273	98 +	1	273	831	1102
UN51746	Rsa1.0.01502.1	1228	44519	0	482	491	98 -	2	486	36621	37111
UN51747	Rsa1.0.00409.1	549	146788	1.00E-159	345	365	94 -	10	374	1659	2023
UN51748	Rsa1.0.00804.1	902	63726	1.00E-152	288	292	98 +	613	902	53087	53378
UN51749	Rsa1.0.02103.1	867	35006	0	567	599	94 -	225	814	13499	14094
UN51750	Rsa1.0.00016.1	1049	831256	1.00E-151	314	322	97 +	132	450	353892	354210
UN51751	Rsa1.0.00007.1	947	239325	5.00E-71	158	165	95 -	671	835	12607	12771

UN51791	#	#	#	#	#	#	#	#	#	#	#	#	#
UN51792	#	#	#	#	#	#	#	#	#	#	#	#	#
UN51793	#	#	#	#	#	#	#	#	#	#	#	#	#
UN51794	#	#	#	#	#	#	#	#	#	#	#	#	#
UN51795	Rsa1.0_00198.1	249	222963	2.00E-39	97	99	97 -		43	139	156160	156258	
UN51796	Rsa1.0_00832.1	213	62622	5.00E-18	100	111	90 -		11	119	35176	35283	
UN51797	Rsa1.0_00016.1	254	831256	3.00E-23	87	92	94 +		102	189	785029	785120	
UN51798	Rsa1.0_00198.1	443	222963	2.00E-68	205	219	93 -		167	380	155853	156067	
UN51799	Rsa1.0_02178.1	405	156197	8.00E-37	103	107	96 -		1	107	152755	152858	
UN51800	Rsa1.0_00506.1	329	79106	2.00E-30	68	68	100 -		31	98	12395	12462	
UN51801	Rsa1.0_00170.1	419	179538	6.00E-44	101	103	98 -		186	288	91456	91557	
UN51802	Rsa1.0_00717.1	294	67051	1.00E-56	178	195	91 -		1	192	8537	8729	
UN51803	Rsa1.0_02178.1	425	156197	9.00E-43	99	101	98 -		1	100	152755	152855	
UN51804	Rsa1.0_02178.1	284	156197	9.00E-45	102	104	98 -		1	103	152755	152858	
UN51805	Rsa1.0_01410.1	318	46345	1.00E-123	251	259	96 +		1	258	33762	34019	
UN51806	Rsa1.0_00015.1	296	561803	1.00E-53	178	198	89 +		59	252	483083	483270	
UN51807	Rsa1.0_06364.1	440	11151	2.00E-44	110	115	95 +		1	114	11037	11151	
UN51808	Rsa1.0_00429.1	349	85559	2.00E-77	190	199	95 +		1	195	23314	23512	
UN51809	Rsa1.0_08846.1	330	6867	3.00E-36	97	102	95 +		99	200	1961	2061	
UN51810	Rsa1.0_00628.1	394	214360	3.00E-58	126	130	96 +		35	164	24915	25044	
UN51811	Rsa1.0_08846.1	364	6867	3.00E-42	106	111	95 +		94	204	1959	2068	
UN51812	Rsa1.0_00145.1	403	261008	1.00E-126	275	289	95 -		7	294	51003	51291	
UN51813	Rsa1.0_03521.1	436	396204	1.00E-69	148	150	98 -		1	148	15133	15282	
UN51814	Rsa1.0_03904.1	324	20162	1.00E-53	251	288	87 -		20	281	5591	5877	
UN51815	Rsa1.0_07182.1	762	9777	0	699	702	99 -		62	762	5387	6088	
UN51816	Rsa1.0_04768.1	325	16066	1.00E-104	210	216	97 -		110	325	7463	7678	
UN51817	Rsa1.0_00111.1	548	390088	7.00E-78	171	179	95 -		44	222	379950	380122	
UN51818	Rsa1.0_00875.1	602	61371	0	384	403	95 -		3	405	7376	7778	
UN51819	Rsa1.0_02903.1	587	26901	0	559	573	97 +		18	587	4750	5319	
UN51820	Rsa1.0_04884.1	181	15599	4.00E-58	159	166	95 +		6	165	9394	9559	
UN51821	Rsa1.0_00150.1	754	154416	0	735	760	96 +		1	754	151445	152197	
UN51822	Rsa1.0_01920.1	753	158533	1.00E-119	327	368	88 -		12	353	32878	33237	
UN51823	Rsa1.0_00050.1	761	237174	0	511	542	94 -		228	761	96524	97062	
UN51824	Rsa1.0_00363.1	111	90968	1.00E-13	82	90	91 -		6	93	73740	73825	
UN51825	Rsa1.0_76474.1	726	300	1.00E-117	214	214	100 +		513	726	36	249	
UN51826	Rsa1.0_02911.1	660	142461	0	396	418	94 +		17	419	25126	25542	
UN51827	Rsa1.0_02078.1	574	35308	0	362	372	97 -		3	374	22831	23202	
UN51828	Rsa1.0_04797.1	666	15932	1.00E-116	222	224	99 -		176	398	10610	10833	
UN51829	Rsa1.0_00476.1	122	280966	2.00E-12	49	53	92 -		70	122	270037	270089	

UN51830	Rsa1.0.00001.1	365	363028	2.00E-89	254	284	89 +	67	347	190879	191142
UN51831	Rsa1.0.05023.1	768	15105	0	380	383	99 -	45	427	8583	8965
UN51832	Rsa1.0.01053.1	760	55483	0	758	759	99 -	3	760	54255	55013
UN51833	Rsa1.0.01537.1	483	187285	1.00E-103	232	245	94 -	131	372	12649	12893
UN51834	Rsa1.0.00201.1	840	232851	1.00E-134	280	291	96 +	8	298	38233	38522
UN51835	Rsa1.0.00067.1	734	415055	0	599	636	94 -	107	734	68666	69301
UN51836	Rsa1.0.00620.1	729	71985	1.00E-113	220	223	98 +	307	529	5160	5381
UN51837	Rsa1.0.00806.1	335	63674	1.00E-159	320	332	96 -	4	335	46897	47228
UN51838	Rsa1.0.02144.1	573	34630	1.00E-150	314	326	96 -	250	573	8827	9152
UN51839	Rsa1.0.03218.1	712	24539	3.00E-93	201	208	96 -	3	208	9502	9707
UN51840	Rsa1.0.11463.1	671	5500	2.00E-97	275	301	91 +	375	671	213	508
UN51841	Rsa1.0.00206.1	839	109040	0	509	525	96 -	271	788	72614	73138
UN51842	Rsa1.0.00087.1	776	761073	1.00E-137	271	279	97 +	295	573	432699	432977
UN51843	Rsa1.0.00764.1	131	65056	2.00E-31	83	85	97 +	1	85	40416	40498
UN51844	Rsa1.0.01603.1	525	42468	1.00E-142	313	331	94 -	198	525	39915	40241
UN51845	Rsa1.0.05648.1	745	13049	1.00E-180	508	574	88 +	193	743	1990	2537
UN51846	Rsa1.0.00170.1	684	179538	1.00E-76	152	154	98 -	270	423	29057	29210
UN51847	Rsa1.0.00110.1	830	132719	0	697	731	95 +	3	731	34494	35208
UN51848	Rsa1.0.10212.1	638	5941	0	396	418	94 -	221	638	4869	5281
UN51849	Rsa1.0.02683.1	820	28679	1.00E-162	289	289	100 +	299	587	19539	19827
UN51850	Rsa1.0.00348.1	653	92818	1.00E-113	220	224	98 +	338	561	10059	10282
UN51851	Rsa1.0.01526.1	260	43919	1.00E-137	259	262	98 -	1	260	40299	40560
UN51852	Rsa1.0.01449.1	765	45570	1.00E-101	194	196	98 +	2	197	42998	43193
UN51853	Rsa1.0.00008.1	725	358124	7.00E-48	101	102	99 -	548	649	247540	247641
UN51854	Rsa1.0.00813.1	760	63202	1.00E-106	217	224	96 +	303	526	43785	44008
UN51855	Rsa1.0.03342.1	844	23600	1.00E-98	183	183	100 -	336	518	7690	7872
UN51856	Rsa1.0.00453.1	454	83031	1.00E-139	302	311	97 +	141	451	15490	15794
UN51857	Rsa1.0.00473.1	396	212204	0	388	399	97 +	1	396	195470	195867
UN51858	Rsa1.0.04107.1	516	19007	0	453	454	99 -	64	516	7912	8365
UN51859	Rsa1.0.02949.1	559	26506	1.00E-132	295	313	94 +	250	559	9047	9359
UN51860	Rsa1.0.00686.1	692	68511	0	666	686	97 -	10	692	52372	53054
UN51861	Rsa1.0.02125.1	686	34775	1.00E-58	133	138	96 +	552	686	24931	25068
UN51862	Rsa1.0.04239.1	304	18345	5.00E-90	168	168	100 -	137	304	2761	2928
UN51863	Rsa1.0.21115.1	577	1233	1.00E-174	410	442	92 -	2	443	437	877
UN51864	Rsa1.0.00463.1	188	189177	7.00E-97	185	187	98 +	2	188	145118	145304
UN51865	Rsa1.0.01402.1	578	46509	0	397	417	95 -	162	578	19293	19709
UN51866	Rsa1.0.00779.1	253	64568	1.00E-119	245	253	96 -	1	253	50856	51107
UN51867	Rsa1.0.00658.1	271	69740	3.00E-23	62	64	96 +	122	185	25847	25910
UN51868	Rsa1.0.01267.1	637	49670	0	600	636	94 -	3	637	9724	10343

UN51869	Rsa1.0.00978.1	797	57739	0	709	758	93 +	1	746	16117	16861
UN51870	Rsa1.0.03935.1	909	19983	1.00E-28	213	262	81 -	184	445	996	1257
UN51871	Rsa1.0.08691.1	775	7034	1.00E-131	322	348	92 +	234	573	5656	6003
UN51872	Rsa1.0.02548.1	614	30228	1.00E-151	298	305	97 +	314	614	10107	10411
UN51873	Rsa1.0.01456.1	792	45372	1.00E-151	328	344	95 -	456	792	21942	22285
UN51874	Rsa1.0.11893.1	309	5379	1.00E-139	294	306	96 +	4	309	4071	4373
UN51875	Rsa1.0.01657.1	769	41436	0	743	767	96 -	3	769	23477	24243
UN51876	Rsa1.0.04252.1	700	18262	1.00E-126	247	253	97 +	205	457	4528	4780
UN51877	Rsa1.0.03738.1	679	21071	2.00E-82	197	210	93 +	155	361	8042	8251
UN51878	Rsa1.0.29253.1	831	788	0	597	604	98 -	228	831	186	788
UN51879	Rsa1.0.01824.1	894	38733	0	519	548	94 -	349	888	11116	11663
UN51880	Rsa1.0.00081.1	566	143261	0	543	591	91 +	3	566	123521	124110
UN51881	Rsa1.0.00100.1	679	249232	1.00E-139	317	337	94 -	80	412	16262	16598
UN51882	Rsa1.0.04804.1	471	15902	0	464	470	98 -	3	471	6383	6852
UN51883	Rsa1.0.00991.1	760	143101	1.00E-174	380	404	94 -	155	552	142698	143101
UN51884	Rsa1.0.00252.1	339	102760	1.00E-116	278	291	95 +	1	285	63519	63807
UN51885	Rsa1.0.31547.1	743	725	1.00E-155	296	302	98 -	1	302	275	576
UN51886	Rsa1.0.00898.1	880	202772	2.00E-91	201	211	95 +	106	316	171119	171329
UN51887	Rsa1.0.01247.1	165	49934	3.00E-34	77	78	98 -	2	79	12683	12760
UN51888	Rsa1.0.01207.1	408	141053	1.00E-145	273	277	98 +	132	408	91709	91985
UN51889	Rsa1.0.03408.1	837	23154	1.00E-133	250	253	98 -	4	256	6016	6268
UN51890	Rsa1.0.02585.1	722	29865	0	547	558	98 -	165	722	16397	16954
UN51891	Rsa1.0.01015.1	753	56752	2.00E-36	206	252	81 +	170	405	1739	1990
UN51892	Rsa1.0.00806.1	658	63674	1.00E-162	342	360	95 +	305	658	4643	5002
UN51893	Rsa1.0.14175.1	740	3704	1.00E-123	234	237	98 +	37	273	2450	2686
UN51894	Rsa1.0.01974.1	759	36583	1.00E-121	242	249	97 +	118	366	11791	12039
UN51895	Rsa1.0.00855.1	303	62047	1.00E-144	299	315	94 +	1	303	13738	14052
UN51896	Rsa1.0.00349.1	839	92621	3.00E-84	159	159	100 +	407	565	37605	37763
UN51897	Rsa1.0.02802.1	332	27736	1.00E-99	187	188	99 -	145	332	12260	12447
UN51898	Rsa1.0.01029.1	627	256254	1.00E-148	272	274	99 +	79	352	22444	22717
UN51899	Rsa1.0.01989.1	643	36439	1.00E-155	342	357	95 +	1	347	10050	10405
UN51900	Rsa1.0.01505.1	834	44382	1.00E-114	251	261	96 +	575	834	37559	37817
UN51901	Rsa1.0.00153.1	687	192931	1.00E-106	208	212	98 +	110	321	76718	76929
UN51902	Rsa1.0.04426.1	819	17399	0	632	657	96 +	7	660	16152	16808
UN51903	Rsa1.0.00251.1	576	303968	0	555	577	96 -	1	576	157858	158431
UN51904	Rsa1.0.01236.1	295	50156	4.00E-47	117	123	95 +	41	163	43426	43546
UN51905	Rsa1.0.35002.1	836	646	2.00E-85	170	173	98 +	150	322	28	200
UN51906	Rsa1.0.00259.1	846	163204	0	666	690	96 +	160	846	90892	91572
UN51907	Rsa1.0.05951.1	823	12128	0	805	829	97 -	1	823	7669	8494

UN51908	Rsa1.0.02105.1	174	156953	6.00E-57	157	171	91 -	2	172	33149	33317
UN51909	Rsa1.0.00533.1	843	77375	6.00E-98	193	196	98 +	449	641	44934	45129
UN51910	Rsa1.0.00486.1	781	80875	0	535	564	94 +	3	563	14977	15529
UN51911	Rsa1.0.00681.1	649	68779	1.00E-157	311	322	96 +	3	316	60758	61079
UN51912	Rsa1.0.00285.1	765	149638	1.00E-67	157	167	94 +	121	287	119945	120102
UN51913	Rsa1.0.02435.1	730	31454	2.00E-94	179	180	99 +	203	382	16559	16738
UN51914	Rsa1.0.04959.1	845	15323	0	840	846	99 +	3	845	2961	3806
UN51915	Rsa1.0.02917.1	599	159058	0	387	393	98 +	207	599	158258	158650
UN51916	Rsa1.0.00448.1	552	84048	0	543	551	98 -	1	551	53069	53619
UN51917	Rsa1.0.00034.1	798	260119	0	370	380	97 +	373	752	129833	130211
UN51918	Rsa1.0.03617.1	676	21745	0	661	675	97 -	3	676	13314	13988
UN51919	Rsa1.0.02247.1	658	33427	4.00E-89	384	447	85 -	39	468	3077	3508
UN51920	Rsa1.0.75906.1	524	302	1.00E-156	296	300	98 +	114	412	3	302
UN51921	Rsa1.0.09895.1	662	6101	0	644	674	95 -	2	662	4946	5618
UN51922	Rsa1.0.00079.1	677	606987	0	672	675	99 -	3	677	93565	94239
UN51923	Rsa1.0.05326.1	758	14139	0	356	363	98 -	2	364	5288	5650
UN51924	Rsa1.0.01285.1	555	172709	0	541	554	97 +	2	555	134717	135265
UN51925	Rsa1.0.00005.1	405	353093	0	402	403	99 -	3	405	9358	9760
UN51926	Rsa1.0.03244.1	743	24413	0	439	449	97 +	3	442	10828	11276
UN51927	Rsa1.0.00017.1	622	752458	2.00E-97	193	197	97 -	292	488	407902	408098
UN51928	Rsa1.0.00032.1	632	306326	0	451	453	99 +	1	453	195646	196098
UN51929	Rsa1.0.09306.1	717	6468	0	382	383	99 -	107	489	971	1353
UN51930	Rsa1.0.00281.1	665	99908	0	634	681	93 -	3	665	17646	18325
UN51931	Rsa1.0.00008.1	836	358124	0	729	750	97 -	88	836	64574	65320
UN51932	Rsa1.0.19257.1	786	1455	1.00E-126	312	335	93 -	455	786	805	1131
UN51933	Rsa1.0.00014.1	786	348985	0	350	350	100 -	2	351	332318	332667
UN51934	Rsa1.0.00930.1	850	59224	1.00E-145	269	270	99 +	512	780	48406	48675
UN51935	Rsa1.0.02222.1	796	152798	1.00E-122	226	227	99 -	562	788	14639	14865
UN51936	Rsa1.0.29334.1	797	785	0	547	564	96 +	235	797	1	564
UN51937	Rsa1.0.00017.1	516	752458	0	463	473	97 +	50	516	320343	320814
UN51938	Rsa1.0.00323.1	724	159650	0	690	731	94 -	4	720	82931	83650
UN51939	Rsa1.0.00030.1	841	250988	1.00E-144	278	283	98 -	3	284	46719	47001
UN51940	Rsa1.0.00471.1	735	81897	0	429	441	97 +	297	735	71461	71901
UN51941	Rsa1.0.04235.1	833	18373	0	518	557	92 -	275	829	11502	12055
UN51942	Rsa1.0.06379.1	829	11131	2.00E-73	150	153	98 +	392	544	3938	4090
UN51943	Rsa1.0.00515.1	821	78417	0	654	690	94 +	2	691	16314	17002
UN51944	Rsa1.0.00022.1	781	200461	0	555	557	99 +	3	559	22577	23133
UN51945	Rsa1.0.01009.1	488	56922	1.00E-145	290	299	96 -	3	299	32379	32677
UN51946	Rsa1.0.01565.1	761	155447	0	507	520	97 -	2	520	34665	35184

UN51947	Rsa1.0_01904.1	865	37450	1.00E-176	332	338	98 +	353	690	18865	19202
UN51948	Rsa1.0_01390.1	287	46695	7.00E-92	252	277	90 -	10	286	19097	19359
UN51949	Rsa1.0_00153.1	732	192931	0	508	521	97 +	212	732	148909	149428
UN51950	Rsa1.0_08486.1	800	7286	1.00E-128	284	300	94 -	410	707	4169	4468
UN51951	Rsa1.0_01696.1	729	301850	0	552	576	95 -	156	729	299996	300553
UN51952	Rsa1.0_00049.1	825	167018	0	748	768	97 -	58	825	45536	46300
UN51953	#	#	#	#	#	#	#	#	#	#	#
UN51954	Rsa1.0_00300.1	274	97747	1.00E-121	257	267	96 -	2	268	88772	89035
UN51955	Rsa1.0_00600.1	178	73395	1.00E-79	168	174	96 +	5	178	26381	26554
UN51956	Rsa1.0_00635.1	733	175826	1.00E-123	265	276	96 +	451	724	15994	16269
UN51957	Rsa1.0_04018.1	467	19551	1.00E-133	305	325	93 +	108	421	18110	18430
UN51958	Rsa1.0_08461.1	736	7312	0	589	664	88 +	26	674	854	1514
UN51959	Rsa1.0_01373.1	855	47052	1.00E-158	289	291	99 +	565	855	21559	21849
UN51960	Rsa1.0_01950.1	463	36950	1.00E-173	331	339	97 +	125	463	7843	8181
UN51961	Rsa1.0_00470.1	662	81968	1.00E-178	358	372	96 -	291	662	27998	28369
UN51962	Rsa1.0_00472.1	560	398134	1.00E-121	230	233	98 -	54	286	298500	298732
UN51963	Rsa1.0_02214.1	776	161150	1.00E-175	318	319	99 -	382	699	695	1013
UN51964	Rsa1.0_00376.1	745	90101	1.00E-155	308	318	96 +	225	542	49173	49490
UN51965	Rsa1.0_00089.1	379	406142	1.00E-72	219	242	90 -	149	379	210420	210658
UN51966	Rsa1.0_04483.1	395	17174	1.00E-171	349	362	96 -	34	395	7590	7947
UN51967	Rsa1.0_02884.1	648	27034	0	418	436	95 +	148	581	6764	7198
UN51968	Rsa1.0_01753.1	709	39794	0	563	620	90 +	2	583	8597	9202
UN51969	Rsa1.0_02259.1	747	33299	0	596	606	98 -	142	747	30894	31499
UN51970	Rsa1.0_02536.1	792	30368	1.00E-141	316	333	94 -	462	792	21536	21861
UN51971	Rsa1.0_00159.1	780	431686	0	574	585	98 +	196	780	385251	385832
UN51972	Rsa1.0_00108.1	495	478491	1.00E-124	329	360	91 -	141	495	458853	459192
UN51973	Rsa1.0_02634.1	852	29299	1.00E-120	226	228	99 -	3	230	15630	15857
UN51974	Rsa1.0_01650.1	709	41589	1.00E-178	377	394	95 -	321	709	1658	2051
UN51975	Rsa1.0_00701.1	853	67691	1.00E-119	316	344	91 +	517	853	22399	22739
UN51976	Rsa1.0_00571.1	607	329018	0	588	610	96 +	3	607	47284	47889
UN51977	Rsa1.0_00646.1	778	70473	5.00E-58	136	143	95 -	3	145	7599	7741
UN51978	Rsa1.0_00757.1	367	65559	1.00E-168	350	367	95 +	1	367	23490	23856
UN51979	Rsa1.0_02076.1	443	153121	1.00E-136	299	321	93 +	123	443	33602	33904
UN51980	Rsa1.0_05421.1	750	13806	1.00E-150	325	341	95 -	5	345	8859	9196
UN51981	Rsa1.0_00151.1	748	119541	1.00E-168	387	416	93 -	13	421	85430	85832
UN51982	Rsa1.0_00777.1	825	191865	1.00E-171	305	305	100 -	520	824	129841	130145
UN51983	Rsa1.0_00650.1	747	70235	0	397	399	99 +	258	656	24284	24682
UN51984	Rsa1.0_01896.1	387	37512	1.00E-145	367	396	92 +	2	387	6778	7168
UN51985	Rsa1.0_00883.1	708	61230	2.00E-35	100	107	93 +	159	265	52523	52626

UN51986	Rsa1.0_01388.1	700	46741	1.00E-129	246	250	98 +	207	456	6365	6614
UN51987	Rsa1.0_03846.1	614	20481	0	594	614	96 +	3	611	19667	20280
UN51988	Rsa1.0_02084.1	740	35205	0	715	738	96 -	3	740	34054	34791
UN51989	Rsa1.0_01806.1	811	39021	1.00E-106	199	200	99 -	64	263	32010	32209
UN51990	Rsa1.0_00666.1	824	69505	0	477	508	93 +	305	808	8565	9065
UN51991	Rsa1.0_06258.1	827	11371	0	438	454	96 -	1	454	9327	9780
UN51992	Rsa1.0_06918.1	834	10166	0	484	514	94 +	343	834	1111	1624
UN51993	Rsa1.0_00089.1	709	406142	0	348	354	98 -	3	356	326317	326670
UN51994	Rsa1.0_01777.1	630	39511	1.00E-131	237	237	100 +	394	630	20984	21220
UN51995	Rsa1.0_01513.1	765	44234	4.00E-83	249	282	88 -	503	765	17220	17498
UN51996	Rsa1.0_00053.1	767	263459	4.00E-71	146	149	97 +	44	192	49591	49739
UN51997	Rsa1.0_03995.1	726	19654	0	564	569	99 -	160	726	8195	8763
UN51998	Rsa1.0_05741.1	752	12773	0	602	675	89 -	99	752	3179	3817
UN51999	Rsa1.0_01923.1	725	37233	0	369	379	97 -	347	725	25158	25536
UN52000	Rsa1.0_00428.1	652	85599	0	416	424	98 -	32	455	31030	31453
UN52001	Rsa1.0_01464.1	625	45193	1.00E-112	215	218	98 +	12	229	38317	38534
UN52002	Rsa1.0_00886.1	856	167350	0	838	850	98 +	3	852	8139	8988
UN52003	Rsa1.0_00329.1	715	222544	0	389	399	97 +	317	715	48568	48966
UN52004	Rsa1.0_10904.1	754	5683	0	555	574	96 +	181	754	501	1074
UN52005	Rsa1.0_02383.1	761	31931	0	624	624	100 +	138	761	18693	19316
UN52006	Rsa1.0_00179.1	815	393324	0	500	507	98 -	3	509	361927	362433
UN52007	Rsa1.0_00006.1	673	396176	0	534	588	90 +	1	572	368471	369045
UN52008	Rsa1.0_00387.1	550	495407	0	545	550	99 +	1	550	298345	298893
UN52009	Rsa1.0_03279.1	191	24115	8.00E-69	146	150	97 +	45	191	23868	24017
UN52010	Rsa1.0_02565.1	698	30046	0	689	701	98 -	3	698	17702	18402
UN52011	Rsa1.0_06185.1	680	11540	0	665	690	96 -	3	680	5461	6149
UN52012	Rsa1.0_00937.1	791	59061	0	422	423	99 -	179	601	54953	55375
UN52013	Rsa1.0_02670.1	210	28887	1.00E-106	204	207	98 +	1	207	1977	2183
UN52014	Rsa1.0_01578.1	860	42880	0	458	467	98 -	397	860	12144	12610
UN52015	Rsa1.0_01685.1	856	175033	0	405	412	98 -	402	813	7539	7950
UN52016	Rsa1.0_00179.1	554	393324	0	517	535	96 +	2	533	351687	352218
UN52017	Rsa1.0_02965.1	709	26402	0	677	709	95 +	5	709	10534	11235
UN52018	Rsa1.0_09458.1	774	6353	0	468	476	98 -	299	774	5178	5653
UN52019	Rsa1.0_00273.1	712	326186	1.00E-95	184	186	98 +	286	471	316478	316663
UN52020	Rsa1.0_00964.1	447	316648	0	425	457	92 -	3	447	128524	128979
UN52021	Rsa1.0_08988.1	448	6732	0	420	448	93 -	2	448	610	1039
UN52022	Rsa1.0_26461.1	155	891	2.00E-75	153	155	98 -	2	155	490	644
UN52023	Rsa1.0_00357.1	777	173671	0	327	328	99 -	2	329	1433	1760
UN52024	Rsa1.0_19737.1	678	1390	0	534	539	99 -	139	677	385	923

UN52025	Rsa1.0.00349.1	664	92621	0	661	662	99 +	3	664	80680	81341
UN52026	Rsa1.0.03972.1	223	19787	7.00E-76	198	208	95 +	18	223	12229	12432
UN52027	Rsa1.0.09146.1	864	6610	2.00E-73	153	157	97 -	156	312	69	225
UN52028	Rsa1.0.07142.1	701	9832	0	445	451	98 -	249	698	4734	5184
UN52029	#	#	#	#	#	#	#	#	#	#	#
UN52030	Rsa1.0.22522.1	652	1114	0	375	378	99 -	275	652	737	1114
UN52031	Rsa1.0.11367.1	614	5531	0	583	605	96 -	11	614	571	1175
UN52032	Rsa1.0.51102.1	812	445	1.00E-124	292	314	92 -	32	345	19	332
UN52033	Rsa1.0.69843.1	643	328	1.00E-173	323	328	98 -	61	388	1	328
UN52034	Rsa1.0.02395.1	750	31785	1.00E-148	354	377	93 +	386	748	8334	8708
UN52035	Rsa1.0.17502.1	805	1815	1.00E-145	268	270	99 +	3	272	416	685
UN52036	Rsa1.0.00636.1	822	71113	1.00E-163	338	358	94 +	2	341	9822	10179
UN52037	Rsa1.0.00035.1	833	176449	2.00E-73	153	157	97 +	185	341	155792	155948
UN52038	Rsa1.0.00039.1	549	296927	0	523	550	95 +	2	549	202278	202810
UN52039	Rsa1.0.00034.1	836	260119	0	555	567	97 -	166	731	123489	124055
UN52040	Rsa1.0.01272.1	778	49553	0	726	749	96 -	2	748	19419	20166
UN52041	Rsa1.0.00240.1	454	104175	0	446	452	98 -	3	454	97271	97722
UN52042	Rsa1.0.00002.1	676	601661	2.00E-88	211	226	93 -	2	227	558227	558452
UN52043	Rsa1.0.02007.1	667	36130	0	593	660	89 +	44	667	21714	22364
UN52044	Rsa1.0.00254.1	832	102600	0	449	460	97 -	370	825	53885	54344
UN52045	Rsa1.0.00033.1	271	515811	1.00E-119	254	265	95 +	7	270	489910	490174
UN52046	Rsa1.0.02550.1	737	291051	1.00E-140	301	317	94 +	91	404	4863	5173
UN52047	Rsa1.0.00307.1	718	199003	1.00E-169	334	345	96 -	23	367	36826	37170
UN52048	Rsa1.0.00165.1	773	116466	0	375	379	98 -	3	381	51074	51452
UN52049	Rsa1.0.12971.1	705	5060	0	352	354	99 +	352	705	4563	4916
UN52050	Rsa1.0.03083.1	622	25520	0	577	635	90 -	1	619	21860	22486
UN52051	Rsa1.0.03080.1	786	25540	0	768	786	97 -	1	786	11018	11801
UN52052	Rsa1.0.06784.1	611	10359	0	588	609	96 -	4	611	2328	2936
UN52053	Rsa1.0.01436.1	421	45894	0	410	423	96 -	1	421	31894	32316
UN52054	Rsa1.0.01031.1	113	56236	1.00E-32	106	115	92 -	1	113	42330	42444
UN52055	Rsa1.0.01947.1	805	36977	0	604	615	98 +	1	613	28823	29431
UN52056	Rsa1.0.26144.1	840	904	0	470	484	97 -	358	840	421	904
UN52057	Rsa1.0.00333.1	757	94500	9.00E-72	141	142	99 +	230	371	31769	31910
UN52058	Rsa1.0.00338.1	399	94109	1.00E-111	203	203	100 +	1	203	66562	66764
UN52059	Rsa1.0.01006.1	790	163670	1.00E-109	210	213	98 +	280	492	12937	13149
UN52060	Rsa1.0.06801.1	135	10332	1.00E-39	126	135	93 -	1	135	5876	6001
UN52061	Rsa1.0.00417.1	232	395068	1.00E-49	160	171	93 +	3	165	259387	259557
UN52062	Rsa1.0.00527.1	119	77733	5.00E-29	68	69	98 -	1	69	55478	55546
UN52063	Rsa1.0.00115.1	755	131321	1.00E-138	311	329	94 +	428	755	36136	36463

UN52064	Rsa1.0.01537.1	802	187285	1.00E-175	359	375	95 -	339	713	7907	8281
UN52065	Rsa1.0.03028.1	174	25872	7.00E-63	164	176	93 +	2	174	11243	11412
UN52066	Rsa1.0.00522.1	675	78103	1.00E-112	256	273	93 -	189	461	37558	37830
UN52067	Rsa1.0.00681.1	593	68779	0	412	417	98 -	177	593	42453	42866
UN52068	Rsa1.0.01346.1	787	47618	0	434	444	97 -	3	446	7627	8070
UN52069	Rsa1.0.08223.1	633	7700	1.00E-134	273	280	97 -	352	626	7015	7294
UN52070	Rsa1.0.02453.1	747	31271	1.00E-43	213	253	84 -	499	747	3878	4111
UN52071	Rsa1.0.02418.1	776	31590	0	542	591	91 +	171	760	2828	3388
UN52072	Rsa1.0.01012.1	227	56836	1.00E-101	224	237	94 -	1	227	50951	51186
UN52073	Rsa1.0.01771.1	412	172709	1.00E-103	202	206	98 +	207	412	1196	1401
UN52074	Rsa1.0.01202.1	276	158825	1.00E-128	271	281	96 -	2	276	6810	7090
UN52075	Rsa1.0.00037.1	281	307838	2.00E-76	157	161	97 -	2	162	66868	67028
UN52076	Rsa1.0.03632.1	775	21645	3.00E-78	170	177	96 +	599	775	7166	7342
UN52077	Rsa1.0.07038.1	733	9999	1.00E-136	338	368	91 +	3	365	755	1109
UN52078	Rsa1.0.02028.1	775	35857	1.00E-128	245	249	98 -	523	771	5056	5304
UN52079	Rsa1.0.03284.1	511	24069	1.00E-156	304	312	97 +	200	511	4314	4625
UN52080	Rsa1.0.50778.1	126	447	2.00E-46	94	94	100 -	33	126	9	102
UN52081	Rsa1.0.00265.1	844	220635	0	616	635	97 +	210	844	175104	175738
UN52082	Rsa1.0.00091.1	628	139699	1.00E-120	282	298	94 +	331	627	80296	80589
UN52083	#	#	#	#	#	#	#	#	#	#	#
UN52084	Rsa1.0.00055.1	825	520193	1.00E-103	191	191	100 -	3	193	212366	212556
UN52085	Rsa1.0.01269.1	689	49622	0	412	412	100 -	3	414	25891	26302
UN52086	Rsa1.0.00655.1	792	195840	0	374	377	99 +	417	792	31182	31558
UN52087	Rsa1.0.02843.1	799	27383	0	782	799	97 -	2	799	8628	9423
UN52088	Rsa1.0.01352.1	785	47443	2.00E-54	112	113	99 +	511	623	10309	10421
UN52089	Rsa1.0.01115.1	811	183545	1.00E-160	295	298	98 +	270	567	7504	7801
UN52090	Rsa1.0.00354.1	288	232005	1.00E-108	211	214	98 +	76	288	54433	54646
UN52091	Rsa1.0.14436.1	529	3393	0	393	413	95 -	122	526	2240	2652
UN52092	Rsa1.0.01688.1	531	40965	0	447	463	96 -	1	457	24324	24784
UN52093	Rsa1.0.02550.1	905	291051	0	901	907	99 -	2	905	13924	14830
UN52094	Rsa1.0.04573.1	741	16789	1.00E-120	253	266	95 -	476	741	11050	11304
UN52095	Rsa1.0.01791.1	849	160383	0	494	518	95 +	314	828	151288	151805
UN52096	Rsa1.0.01506.1	790	44370	1.00E-129	247	250	98 -	3	251	27020	27269
UN52097	Rsa1.0.00120.1	757	277288	0	686	716	95 +	42	757	223100	223811
UN52098	Rsa1.0.00078.1	783	175053	1.00E-159	293	296	98 -	369	664	18817	19112
UN52099	Rsa1.0.04395.1	738	17570	0	695	745	93 -	3	738	7778	8504
UN52100	Rsa1.0.01949.1	679	36960	1.00E-178	361	376	96 -	303	678	32703	33078
UN52101	Rsa1.0.00437.1	525	84879	1.00E-107	216	222	97 -	304	525	64137	64358
UN52102	Rsa1.0.00048.1	663	167185	1.00E-175	358	373	95 +	3	375	12809	13178

UN52103	Rsa1.0_02180.1	730	34176	1.00E-101	190	191	99 -	216	406	20273	20463
UN52104	Rsa1.0_00984.1	785	57580	4.00E-68	147	152	96 -	530	681	932	1083
UN52105	Rsa1.0_01836.1	746	38503	1.00E-103	229	242	94 -	16	251	6305	6546
UN52106	Rsa1.0_13087.1	809	5016	0	658	671	98 -	2	672	1	671
UN52107	Rsa1.0_05862.1	888	12390	1.00E-120	228	231	98 -	439	669	5233	5463
UN52108	Rsa1.0_01220.1	681	161775	0	512	516	99 -	166	681	11304	11819
UN52109	Rsa1.0_00373.1	701	90296	1.00E-136	282	294	95 -	310	603	66043	66336
UN52110	Rsa1.0_01110.1	251	195852	1.00E-122	243	250	97 -	2	251	17765	18014
UN52111	Rsa1.0_00065.1	567	454616	0	355	356	99 -	7	362	151501	151856
UN52112	Rsa1.0_00469.1	229	82084	4.00E-65	212	236	89 +	2	227	13913	14147
UN52113	Rsa1.0_01160.1	773	52068	0	575	581	98 -	3	582	17076	17656
UN52114	Rsa1.0_00088.1	770	141341	0	504	512	98 +	164	675	121435	121944
UN52115	Rsa1.0_15714.1	293	2466	6.00E-83	156	156	100 -	1	156	365	520
UN52116	Rsa1.0_01699.1	765	40816	0	438	441	99 -	2	442	25631	26071
UN52117	Rsa1.0_00045.1	668	328694	1.00E-124	292	314	92 +	355	668	229955	230268
UN52118	Rsa1.0_29195.1	688	789	1.00E-165	313	318	98 -	3	320	1	317
UN52119	Rsa1.0_01029.1	827	256254	0	379	385	98 +	277	661	128525	128909
UN52120	Rsa1.0_01469.1	608	45139	1.00E-143	260	261	99 -	320	580	37902	38162
UN52121	Rsa1.0_01541.1	643	43682	1.00E-112	217	221	98 +	373	593	3094	3314
UN52122	Rsa1.0_01697.1	738	40837	0	625	642	97 +	74	712	16635	17275
UN52123	Rsa1.0_00251.1	638	303968	0	403	423	95 -	2	418	116006	116424
UN52124	Rsa1.0_01958.1	504	261128	2.00E-93	278	308	90 +	202	504	110202	110493
UN52125	Rsa1.0_10681.1	639	5757	0	581	601	96 +	12	612	39	639
UN52126	Rsa1.0_00429.1	811	85559	0	359	371	96 +	417	787	23140	23510
UN52127	Rsa1.0_00366.1	655	90880	1.00E-12	78	91	85 +	155	245	174	264
UN52128	Rsa1.0_34806.1	713	650	1.00E-147	310	323	95 -	387	705	83	405
UN52129	Rsa1.0_04301.1	639	18022	1.00E-118	240	248	96 +	384	631	2827	3074
UN52130	Rsa1.0_00616.1	864	195713	1.00E-113	249	260	95 -	3	262	180142	180399
UN52131	Rsa1.0_00122.1	832	265937	0	804	837	96 -	2	832	41134	41967
UN52132	Rsa1.0_00806.1	766	63674	1.00E-175	336	344	97 +	423	766	20246	20589
UN52133	Rsa1.0_00307.1	779	199003	1.00E-105	378	437	86 -	369	779	87243	87662
UN52134	Rsa1.0_01270.1	859	49574	1.00E-139	255	256	99 +	604	859	46402	46657
UN52135	Rsa1.0_01732.1	708	40194	1.00E-117	253	266	95 +	443	708	35777	36042
UN52136	Rsa1.0_00224.1	704	327530	0	375	392	95 +	322	704	183629	184020
UN52137	Rsa1.0_00060.1	622	502678	0	592	622	95 -	4	622	128509	129124
UN52138	Rsa1.0_46885.1	589	482	1.00E-79	154	155	99 +	252	406	326	480
UN52139	Rsa1.0_12636.1	855	5168	0	820	824	99 -	33	855	3294	4117
UN52140	Rsa1.0_00265.1	884	220635	1.00E-116	242	249	97 -	3	250	190910	191157
UN52141	Rsa1.0_14697.1	782	3150	0	441	458	96 -	75	532	1	458

UN52142	Rsa1.0.00427.1	846	189678	1.00E-110	208	210	99 -	354	563	12894	13103
UN52143	Rsa1.0.01188.1	824	51362	1.00E-125	238	240	99 +	586	824	31071	31310
UN52144	Rsa1.0.00688.1	702	68396	0	691	700	98 +	3	702	3389	4088
UN52145	Rsa1.0.01122.1	843	53369	3.00E-72	139	139	100 +	316	454	1886	2024
UN52146	Rsa1.0.00017.1	626	752458	0	623	625	99 +	2	626	105371	105995
UN52147	Rsa1.0.02262.1	600	33239	0	384	385	99 +	216	600	10208	10592
UN52148	Rsa1.0.01803.1	178	173846	4.00E-46	165	184	89 +	1	178	137693	137871
UN52149	Rsa1.0.02907.1	181	26861	3.00E-62	161	169	95 -	13	181	15921	16085
UN52150	Rsa1.0.15978.1	459	2333	0	359	359	100 -	94	452	1067	1425
UN52151	Rsa1.0.06038.1	136	11867	2.00E-28	99	106	93 +	31	136	301	400
UN52152	Rsa1.0.00661.1	657	213041	0	532	572	93 -	22	581	6703	7264
UN52153	Rsa1.0.00144.1	134	120708	5.00E-20	106	117	90 +	1	117	86581	86690
UN52154	Rsa1.0.00632.1	640	183777	0	542	557	97 +	72	628	160342	160898
UN52155	Rsa1.0.00343.1	166	93570	1.00E-48	116	122	95 +	40	161	74535	74656
UN52156	Rsa1.0.00636.1	398	71113	1.00E-111	204	204	100 -	195	398	41759	41962
UN52157	Rsa1.0.00265.1	663	220635	4.00E-89	183	187	97 -	477	663	172415	172600
UN52158	Rsa1.0.01922.1	239	37236	2.00E-94	229	239	95 -	1	239	12526	12758
UN52159	Rsa1.0.00326.1	371	171955	9.00E-52	113	116	97 -	193	308	28688	28803
UN52160	Rsa1.0.15651.1	817	2501	0	372	381	97 +	442	817	834	1214
UN52161	Rsa1.0.00031.1	722	179862	0	451	472	95 -	2	473	108109	108580
UN52162	Rsa1.0.19408.1	216	1436	5.00E-58	196	209	93 +	8	216	416	612
UN52163	Rsa1.0.03911.1	464	20133	1.00E-139	257	259	99 -	183	441	15131	15389
UN52164	Rsa1.0.00134.1	515	390219	1.00E-120	234	239	97 +	3	241	129374	129612
UN52165	Rsa1.0.00066.1	516	152418	0	429	445	96 +	73	516	63536	63979
UN52166	Rsa1.0.00001.1	274	363028	1.00E-84	249	271	91 -	3	268	287777	288046
UN52167	Rsa1.0.00078.1	869	175053	1.00E-126	262	273	95 +	3	275	75847	76119
UN52168	Rsa1.0.04991.1	381	15215	5.00E-81	189	196	96 -	22	217	1031	1221
UN52169	Rsa1.0.02237.1	256	33544	9.00E-82	234	250	93 +	7	256	2814	3055
UN52170	Rsa1.0.01730.1	624	40223	0	574	624	91 +	15	624	33434	34049
UN52171	Rsa1.0.00116.1	834	365886	1.00E-107	221	228	96 -	381	606	168038	168265
UN52172	Rsa1.0.46627.1	780	484	1.00E-135	268	276	97 +	140	415	1	276
UN52173	#	#	#	#	#	#	#	#	#	#	#
UN52174	Rsa1.0.13492.1	336	4775	1.00E-108	199	199	100 +	138	336	845	1043
UN52175	Rsa1.0.02309.1	740	32744	1.00E-171	386	412	93 -	3	414	20040	20439
UN52176	Rsa1.0.23487.1	792	1045	0	586	604	97 +	184	787	279	881
UN52177	Rsa1.0.01155.1	814	52182	0	465	472	98 -	344	814	28677	29148
UN52178	Rsa1.0.02692.1	726	28626	0	379	390	97 +	337	726	19918	20307
UN52179	Rsa1.0.00898.1	756	202772	2.00E-54	109	109	100 +	377	485	5204	5312
UN52180	Rsa1.0.01602.1	387	42503	1.00E-81	263	294	89 -	91	375	9585	9873

UN52181	Rsa1.0.00478.1	854	81419	0	490	504	97 -	4	506	4192	4694
UN52182	Rsa1.0.00743.1	635	177459	2.00E-97	233	248	93 +	388	635	1203	1442
UN52183	Rsa1.0.00077.1	559	145005	1.00E-159	288	289	99 -	2	290	139752	140040
UN52184	Rsa1.0.01883.1	789	37661	0	662	695	95 +	108	789	9862	10556
UN52185	Rsa1.0.00838.1	799	153820	2.00E-79	160	163	98 +	437	599	131992	132154
UN52186	Rsa1.0.01914.1	716	37354	0	614	627	97 -	1	625	28975	29595
UN52187	Rsa1.0.00145.1	876	261008	0	466	510	91 -	186	689	29294	29791
UN52188	Rsa1.0.00679.1	609	68971	1.00E-132	239	239	100 +	103	341	57537	57775
UN52189	Rsa1.0.02613.1	638	29557	1.00E-125	257	264	97 -	376	638	21095	21357
UN52190	Rsa1.0.03448.1	612	22844	1.00E-109	267	289	92 +	332	612	1239	1526
UN52191	Rsa1.0.00170.1	501	179538	3.00E-21	131	156	83 +	250	398	178176	178331
UN52192	#	#	#	#	#	#	#	#	#	#	#
UN52193	Rsa1.0.02348.1	801	32316	0	556	586	94 -	222	801	4328	4910
UN52194	Rsa1.0.64483.1	416	356	2.00E-71	194	212	91 -	91	295	23	234
UN52195	Rsa1.0.04258.1	440	18254	1.00E-136	251	253	99 -	188	440	3884	4136
UN52196	Rsa1.0.03890.1	703	20223	0	366	374	97 +	331	703	11314	11684
UN52197	Rsa1.0.00611.1	741	72410	1.00E-143	285	294	96 -	448	741	40655	40948
UN52198	Rsa1.0.06032.1	861	11886	1.00E-140	253	253	100 -	1	253	10750	11002
UN52199	Rsa1.0.00988.1	728	57525	1.00E-103	202	206	98 -	523	728	27467	27672
UN52200	Rsa1.0.07775.1	458	8594	0	453	456	99 -	3	458	1795	2250
UN52201	Rsa1.0.00602.1	497	73302	1.00E-128	259	267	97 +	2	265	56680	56946
UN52202	Rsa1.0.03727.1	868	21158	0	548	557	98 -	317	868	2961	3516
UN52203	Rsa1.0.02907.1	776	26861	0	546	557	98 -	225	776	15241	15794
UN52204	Rsa1.0.00055.1	687	520193	5.00E-64	140	145	96 +	86	230	179497	179641
UN52205	Rsa1.0.02043.1	830	163754	1.00E-145	282	289	97 -	2	290	8101	8389
UN52206	Rsa1.0.00045.1	772	328694	1.00E-136	300	318	94 -	5	322	186058	186375
UN52207	Rsa1.0.00042.1	712	171507	2.00E-60	343	411	83 +	59	462	102830	103237
UN52208	Rsa1.0.01396.1	696	151624	1.00E-147	286	293	97 -	184	476	142998	143290
UN52209	Rsa1.0.00679.1	783	68971	1.00E-113	301	326	92 +	456	780	60902	61216
UN52210	Rsa1.0.11639.1	770	5453	8.00E-97	195	200	97 +	267	466	1	200
UN52211	Rsa1.0.00040.1	614	324196	1.00E-153	345	366	94 +	249	614	163645	163998
UN52212	Rsa1.0.00018.1	795	410899	0	763	786	97 +	5	789	13545	14330
UN52213	Rsa1.0.03896.1	838	20192	0	812	838	96 +	2	838	16543	17380
UN52214	Rsa1.0.00024.1	589	188018	0	587	589	99 -	1	589	141029	141615
UN52215	Rsa1.0.00372.1	862	90418	0	818	850	96 +	2	851	78853	79699
UN52216	Rsa1.0.06860.1	793	10248	0	746	794	93 -	1	793	519	1312
UN52217	Rsa1.0.00417.1	794	395068	0	574	592	96 -	202	790	361748	362339
UN52218	Rsa1.0.09900.1	718	6099	0	685	724	94 -	1	718	691	1408
UN52219	Rsa1.0.01777.1	563	39511	1.00E-151	271	271	100 +	293	563	20986	21256

UN52220	Rsa1.0.00240.1	396	104175	2.00E-46	108	111	97 -	287	396	52526	52636
UN52221	Rsa1.0.00016.1	800	831256	0	766	799	95 -	2	800	392489	393287
UN52222	Rsa1.0.00263.1	741	224968	0	392	402	97 -	3	401	17314	17709
UN52223	Rsa1.0.00311.1	761	96847	5.00E-98	206	213	96 -	290	500	29360	29572
UN52224	Rsa1.0.06373.1	728	11138	1.00E-143	307	323	95 -	2	321	5656	5978
UN52225	Rsa1.0.02616.1	757	29542	1.00E-169	337	348	96 -	3	348	2287	2634
UN52226	Rsa1.0.00657.1	827	69858	1.00E-61	143	149	95 -	680	827	25962	26110
UN52227	Rsa1.0.18611.1	595	1565	0	373	381	97 +	215	595	957	1337
UN52228	Rsa1.0.37046.1	443	608	1.00E-152	302	309	97 -	135	442	10	317
UN52229	Rsa1.0.02383.1	761	31931	0	456	497	91 -	265	761	16769	17250
UN52230	Rsa1.0.70450.1	110	325	5.00E-47	109	111	98 -	1	110	49	158
UN52231	Rsa1.0.03075.1	137	25560	9.00E-65	135	137	98 +	1	137	7806	7941
UN52232	Rsa1.0.04764.1	765	16088	1.00E-180	500	559	89 +	176	715	1250	1795
UN52233	Rsa1.0.47171.1	724	479	1.00E-140	270	276	97 -	7	282	4	279
UN52234	Rsa1.0.00547.1	798	76521	0	778	793	98 +	1	793	71159	71951
UN52235	Rsa1.0.00140.1	815	121541	1.00E-175	312	312	100 -	3	314	119441	119752
UN52236	Rsa1.0.00869.1	870	61627	1.00E-137	269	276	97 +	420	695	56612	56887
UN52237	Rsa1.0.08920.1	688	6788	0	641	692	92 -	1	688	3205	3893
UN52238	Rsa1.0.02515.1	590	30616	2.00E-60	171	186	91 +	347	529	3055	3240
UN52239	Rsa1.0.00218.1	758	201480	0	697	768	90 -	8	758	170920	171659
UN52240	Rsa1.0.01070.1	720	55099	1.00E-92	206	217	94 +	374	590	36569	36785
UN52241	Rsa1.0.03225.1	845	24500	0	669	723	92 -	2	702	20401	21108
UN52242	Rsa1.0.06694.1	774	10526	0	521	523	99 -	252	774	4215	4737
UN52243	Rsa1.0.47610.1	769	475	9.00E-66	146	152	96 -	335	486	1	152
UN52244	Rsa1.0.00290.1	814	225096	0	797	822	96 +	2	814	9470	10284
UN52245	Rsa1.0.00151.1	657	119541	1.00E-82	244	272	89 -	141	408	62972	63231
UN52246	Rsa1.0.00096.1	632	198773	1.00E-100	195	198	98 -	1	198	111490	111687
UN52247	Rsa1.0.01283.1	528	49257	9.00E-25	102	116	87 -	409	520	30587	30702
UN52248	Rsa1.0.00440.1	841	84723	1.00E-58	119	120	99 +	3	122	22754	22873
UN52249	Rsa1.0.01755.1	885	155581	0	847	878	96 +	19	885	11043	11920
UN52250	Rsa1.0.00100.1	561	249232	5.00E-45	93	93	100 -	469	561	179430	179522
UN52251	Rsa1.0.00153.1	382	192931	1.00E-134	304	314	96 -	70	382	124589	124895
UN52252	Rsa1.0.00178.1	767	114861	0	728	778	93 +	5	767	69561	70338
UN52253	Rsa1.0.04359.1	120	17748	1.00E-57	116	117	99 -	4	120	12574	12690
UN52254	Rsa1.0.00571.1	706	329018	0	681	705	96 +	2	706	186676	187380
UN52255	Rsa1.0.01410.1	696	46345	1.00E-152	300	309	97 +	92	400	14361	14669
UN52256	Rsa1.0.00378.1	826	89892	0	791	826	95 +	2	826	47146	47968
UN52257	Rsa1.0.01000.1	372	57140	0	346	351	98 -	25	372	23952	24302
UN52258	Rsa1.0.52945.1	528	430	0	426	430	99 -	27	456	1	430

UN52259	Rsa1.0.02798.1	719	27792	0	449	452	99 +	2	453	23892	24343
UN52260	Rsa1.0.59447.1	187	385	6.00E-85	180	187	96 +	1	187	172	358
UN52261	Rsa1.0.06474.1	528	10949	1.00E-136	280	294	95 +	247	528	5787	6080
UN52262	Rsa1.0.01007.1	174	56933	8.00E-75	163	170	95 +	5	174	48146	48315
UN52263	Rsa1.0.00363.1	463	90968	4.00E-73	156	160	97 +	1	160	73791	73949
UN52264	Rsa1.0.01062.1	208	55325	1.00E-33	82	85	96 -	85	169	38229	38313
UN52265	Rsa1.0.00043.1	191	264937	4.00E-77	176	186	94 +	3	188	259863	260048
UN52266	Rsa1.0.05112.1	591	14814	1.00E-160	329	342	96 +	23	363	11193	11534
UN52267	Rsa1.0.00020.1	566	283099	0	436	455	95 +	1	454	128245	128696
UN52268	Rsa1.0.11549.1	439	5473	0	424	438	96 +	1	438	4464	4899
UN52269	Rsa1.0.18854.1	697	1523	0	584	627	93 +	75	697	419	1027
UN52270	Rsa1.0.01085.1	227	54539	8.00E-54	125	130	96 +	1	128	13213	13342
UN52271	Rsa1.0.00223.1	286	106231	1.00E-111	221	227	97 +	1	227	70785	71011
UN52272	Rsa1.0.03460.1	118	22747	1.00E-23	65	68	95 +	51	118	12295	12362
UN52273	Rsa1.0.00806.1	362	63674	1.00E-179	351	362	96 +	1	362	45401	45762
UN52274	Rsa1.0.03218.1	164	24539	1.00E-42	100	104	96 +	1	104	6709	6812
UN52275	#	#	#	#	#	#	#	#	#	#	#
UN52276	Rsa1.0.00762.1	395	165246	3.00E-45	96	97	98 -	223	319	26285	26381
UN52277	Rsa1.0.00115.1	163	131321	1.00E-58	152	163	93 -	1	163	124920	125081
UN52278	Rsa1.0.00764.1	106	65056	2.00E-34	92	98	93 -	1	98	41261	41358
UN52279	Rsa1.0.00170.1	102	179538	7.00E-40	95	99	95 +	1	99	29057	29155
UN52280	Rsa1.0.05978.1	566	12053	1.00E-127	262	272	96 -	1	269	6833	7098
UN52281	Rsa1.0.00008.1	493	358124	4.00E-85	190	200	95 +	8	207	245477	245676
UN52282	Rsa1.0.00813.1	854	63202	1.00E-110	273	287	95 -	1	283	45909	46192
UN52283	Rsa1.0.02654.1	180	29028	2.00E-60	148	158	93 +	20	177	19627	19779
UN52284	Rsa1.0.00453.1	121	83031	4.00E-48	115	121	95 -	1	121	16754	16874
UN52285	Rsa1.0.00856.1	136	62037	5.00E-17	54	57	94 -	62	118	17199	17255
UN52286	Rsa1.0.00658.1	748	69740	3.00E-81	175	182	96 +	84	265	24174	24355
UN52287	Rsa1.0.03344.1	189	23593	3.00E-68	149	155	96 -	1	155	12154	12308
UN52288	Rsa1.0.01763.1	875	39659	5.00E-40	139	157	88 +	704	860	34257	34413
UN52289	Rsa1.0.05208.1	283	14504	1.00E-74	160	166	96 -	7	172	3908	4073
UN52290	Rsa1.0.10699.1	379	5752	1.00E-176	363	379	95 +	1	379	3891	4267
UN52291	Rsa1.0.03738.1	119	21071	7.00E-25	82	89	92 -	1	87	11299	11387
UN52292	Rsa1.0.01824.1	851	38733	0	409	422	96 +	428	849	10505	10926
UN52293	Rsa1.0.08045.1	124	8014	5.00E-38	89	92	96 +	1	92	4995	5086
UN52294	Rsa1.0.00100.1	925	249232	0	421	427	98 +	404	830	14515	14941
UN52295	Rsa1.0.02449.1	211	31292	3.00E-19	70	77	90 +	83	159	13553	13629
UN52296	Rsa1.0.04689.1	307	16376	1.00E-107	282	308	91 -	8	304	1063	1369
UN52297	Rsa1.0.00425.1	789	147080	0	535	540	99 -	250	789	13977	14516

UN52298	Rsa1.0_04342.1	201	17828	8.00E-23	76	83	91 +	12	94	8021	8103
UN52299	Rsa1.0_02585.1	792	29865	0	545	561	97 +	234	792	15639	16198
UN52300	Rsa1.0_00453.1	253	83031	1.00E-120	242	250	96 +	4	253	55068	55317
UN52301	Rsa1.0_02303.1	811	32818	0	382	396	96 -	1	385	24842	25237
UN52302	Rsa1.0_00210.1	663	108424	1.00E-117	327	363	90 -	4	361	14800	15162
UN52303	Rsa1.0_01989.1	477	36439	1.00E-177	391	411	95 -	2	411	11211	11609
UN52304	Rsa1.0_00486.1	264	80875	5.00E-77	224	248	90 -	20	264	15648	15894
UN52305	Rsa1.0_03448.1	511	22844	3.00E-74	215	238	90 -	2	230	1239	1474
UN52306	Rsa1.0_00285.1	730	149638	0	348	351	99 -	39	389	122232	122582
UN52307	Rsa1.0_01294.1	167	49090	7.00E-35	78	79	98 -	34	112	40300	40378
UN52308	Rsa1.0_02410.1	221	31659	3.00E-93	209	221	94 -	1	221	21517	21737
UN52309	Rsa1.0_40008.1	244	562	2.00E-82	197	211	93 -	30	240	140	350
UN52310	Rsa1.0_03191.1	378	145762	1.00E-116	307	336	91 -	6	340	16325	16649
UN52311	Rsa1.0_03617.1	176	21745	9.00E-81	170	176	96 +	1	176	12532	12707
UN52312	Rsa1.0_02247.1	833	33427	0	394	396	99 +	1	396	1429	1824
UN52313	Rsa1.0_75906.1	524	302	1.00E-156	296	300	98 -	113	411	3	302
UN52314	Rsa1.0_00152.1	315	257730	1.00E-117	261	275	94 -	1	275	11896	12166
UN52315	Rsa1.0_00224.1	828	327530	0	415	427	97 -	2	427	55808	56225
UN52316	Rsa1.0_00017.1	794	752458	1.00E-135	253	256	98 +	1	256	405225	405480
UN52317	Rsa1.0_00032.1	624	306326	0	556	571	97 -	54	624	196891	197461
UN52318	Rsa1.0_00281.1	856	99908	0	576	588	97 +	1	588	15571	16154
UN52319	Rsa1.0_03958.1	448	19868	4.00E-85	211	227	92 -	1	227	16483	16702
UN52320	Rsa1.0_07131.1	765	9860	0	659	679	97 -	1	678	1	676
UN52321	Rsa1.0_00017.1	722	752458	1.00E-177	350	362	96 -	1	362	321650	322011
UN52322	Rsa1.0_00030.1	846	250988	0	549	577	95 +	2	574	44636	45206
UN52323	Rsa1.0_00471.1	321	81897	1.00E-134	297	314	94 -	6	319	71745	72057
UN52324	Rsa1.0_06379.1	317	11131	3.00E-51	103	103	100 -	123	225	4826	4928
UN52325	Rsa1.0_00656.1	159	69968	3.00E-68	152	159	95 -	1	159	39218	39376
UN52326	Rsa1.0_01522.1	401	157436	0	386	402	96 +	1	401	3232	3633
UN52327	Rsa1.0_02116.1	818	34853	0	766	818	93 +	1	816	30559	31351
UN52328	Rsa1.0_01390.1	309	46695	4.00E-81	177	185	95 +	1	185	19234	19418
UN52329	Rsa1.0_00734.1	641	66508	1.00E-138	305	322	94 +	1	322	58283	58603
UN52330	Rsa1.0_00107.1	873	431659	0	688	726	94 -	1	712	146548	147270
UN52331	Rsa1.0_04425.1	744	17406	7.00E-91	170	170	100 -	171	340	1667	1836
UN52332	#	#	#	#	#	#	#	#	#	#	#
UN52333	Rsa1.0_00120.1	136	277288	1.00E-35	116	128	90 -	4	131	266541	266667
UN52334	Rsa1.0_00121.1	548	278029	1.00E-118	249	259	96 +	4	261	122865	123123
UN52335	Rsa1.0_00020.1	704	283099	0	658	699	94 -	7	704	148660	149351
UN52336	Rsa1.0_01484.1	470	44806	0	437	462	94 +	9	470	28482	28936

UN52337	Rsa1.0.02757.1	555	28187	0	457	467	97 -	1	467	16196	16661
UN52338	Rsa1.0.06604.1	318	10681	2.00E-95	286	319	89 +	1	318	6114	6418
UN52339	Rsa1.0.00055.1	834	520193	0	803	881	91 -	1	834	169419	170299
UN52340	Rsa1.0.00310.1	787	96852	0	515	551	93 +	165	715	82745	83289
UN52341	Rsa1.0.14939.1	148	2948	1.00E-54	132	140	94 -	8	147	902	1041
UN52342	Rsa1.0.04065.1	824	19275	1.00E-159	404	437	92 -	21	448	3173	3604
UN52343	Rsa1.0.34428.1	108	657	5.00E-47	104	107	97 +	2	108	491	597
UN52344	Rsa1.0.00012.1	642	222148	1.00E-117	289	306	94 +	9	312	106072	106373
UN52345	Rsa1.0.00125.1	790	253043	0	645	687	93 +	108	790	141297	141976
UN52346	Rsa1.0.00571.1	119	329018	2.00E-25	104	119	87 -	1	119	47649	47767
UN52347	Rsa1.0.00151.1	861	119541	0	394	408	96 +	450	853	82555	82962
UN52348	Rsa1.0.00650.1	614	70235	0	604	623	96 -	1	614	25569	26190
UN52349	Rsa1.0.00157.1	130	245832	3.00E-49	117	123	95 -	8	130	163241	163363
UN52350	Rsa1.0.00019.1	207	301669	2.00E-48	143	157	91 +	11	162	293080	293234
UN52351	Rsa1.0.01534.1	513	43764	0	485	508	95 -	8	513	6841	7348
UN52352	Rsa1.0.01481.1	732	184562	0	642	658	97 +	76	732	166822	167479
UN52353	Rsa1.0.06258.1	585	11371	0	431	444	97 +	4	447	8030	8472
UN52354	Rsa1.0.71379.1	378	321	1.00E-119	232	237	97 -	139	375	85	321
UN52355	Rsa1.0.04957.1	398	15330	2.00E-68	202	221	91 +	9	221	1254	1470
UN52356	Rsa1.0.03307.1	511	23872	0	492	511	96 -	1	511	17932	18442
UN52357	Rsa1.0.00190.1	875	318240	1.00E-102	274	296	92 +	29	320	188085	188377
UN52358	Rsa1.0.33325.1	755	681	0	443	457	96 -	299	755	72	528
UN52359	Rsa1.0.02383.1	820	31931	0	815	817	99 -	4	820	20338	21154
UN52360	Rsa1.0.01679.1	292	146876	1.00E-145	284	292	97 +	1	292	119256	119547
UN52361	Rsa1.0.00206.1	350	109040	5.00E-56	171	190	90 -	159	346	96783	96972
UN52362	Rsa1.0.00179.1	790	393324	0	481	488	98 +	303	790	360380	360866
UN52363	Rsa1.0.00092.1	794	659932	1.00E-149	316	332	95 +	226	557	20551	20882
UN52364	#	#	#	#	#	#	#	#	#	#	#
UN52365	Rsa1.0.02565.1	861	30046	0	840	860	97 +	2	861	16589	17448
UN52366	Rsa1.0.00937.1	526	59061	0	457	459	99 +	68	526	53185	53643
UN52367	Rsa1.0.02965.1	123	26402	3.00E-39	110	118	93 -	1	117	11120	11237
UN52368	Rsa1.0.00805.1	915	63724	4.00E-99	335	385	87 -	54	413	43181	43561
UN52369	Rsa1.0.00100.1	906	249232	0	555	569	97 +	338	906	195789	196354
UN52370	Rsa1.0.08280.1	802	7610	0	779	805	96 +	1	802	796	1595
UN52371	Rsa1.0.02946.1	667	26537	0	644	669	96 -	1	667	1140	1804
UN52372	Rsa1.0.02609.1	752	29600	0	531	581	91 -	62	638	3130	3706
UN52373	Rsa1.0.04286.1	180	18084	3.00E-77	167	174	95 +	7	180	13076	13249
UN52374	Rsa1.0.00196.1	195	109960	1.00E-89	188	195	96 -	1	195	90374	90568
UN52375	Rsa1.0.00636.1	819	71113	0	544	549	99 -	1	548	11206	11754

UN52376	Rsa1.0.02074.1	833	35370	0	657	672	97 +	3	671	33187	33857
UN52377	Rsa1.0.00150.1	559	154416	1.00E-133	285	300	95 -	260	559	151459	151758
UN52378	Rsa1.0.01139.1	815	52601	0	384	405	94 +	101	499	16975	17379
UN52379	Rsa1.0.01419.1	113	167402	4.00E-20	50	50	100 +	8	57	133390	133439
UN52380	Rsa1.0.00802.1	213	63846	5.00E-98	205	213	96 +	1	213	49905	50117
UN52381	Rsa1.0.00322.1	633	212233	0	507	510	99 -	1	510	56950	57459
UN52382	Rsa1.0.01953.1	189	36881	1.00E-36	111	122	90 -	49	170	27988	28109
UN52383	Rsa1.0.00307.1	755	199003	0	449	451	99 +	2	452	35353	35803
UN52384	Rsa1.0.03083.1	183	25520	1.00E-58	156	167	93 +	17	183	21578	21742
UN52385	Rsa1.0.00900.1	288	60367	1.00E-131	273	285	95 -	3	287	41486	41770
UN52386	Rsa1.0.26144.1	812	904	1.00E-154	298	305	97 +	501	805	1	305
UN52387	Rsa1.0.00333.1	739	94500	7.00E-88	168	169	99 -	487	655	33891	34059
UN52388	Rsa1.0.01006.1	800	163670	0	356	359	99 -	1	359	15582	15940
UN52389	Rsa1.0.00753.1	355	65705	1.00E-53	119	123	96 +	1	123	748	870
UN52390	Rsa1.0.01537.1	909	187285	0	492	523	94 +	1	523	6465	6968
UN52391	Rsa1.0.00717.1	255	67051	2.00E-33	91	97	93 -	39	135	21683	21779
UN52392	Rsa1.0.02803.1	243	27715	7.00E-36	80	81	98 +	1	81	1684	1764
UN52393	Rsa1.0.00772.1	449	64856	0	425	449	94 +	1	449	47043	47488
UN52394	Rsa1.0.01394.1	497	46641	0	478	494	96 +	6	497	21794	22287
UN52395	Rsa1.0.02604.1	802	29638	0	432	453	95 +	1	444	26159	26606
UN52396	Rsa1.0.03632.1	762	21645	1.00E-144	265	267	99 -	1	267	8415	8681
UN52397	Rsa1.0.00077.1	788	145005	0	753	785	95 -	2	785	134842	135623
UN52398	Rsa1.0.00383.1	503	398431	1.00E-100	197	200	98 -	1	198	127399	127598
UN52399	Rsa1.0.10284.1	554	5904	0	472	485	97 -	1	485	1260	1744
UN52400	Rsa1.0.00205.1	139	193401	3.00E-55	131	137	95 +	1	137	14500	14635
UN52401	Rsa1.0.01540.1	154	151890	7.00E-32	89	94	94 +	1	94	128039	128131
UN52402	Rsa1.0.00098.1	819	349239	0	750	790	94 -	36	819	225073	225856
UN52403	Rsa1.0.00265.1	282	220635	1.00E-122	269	282	95 -	1	282	176395	176674
UN52404	#	#	#	#	#	#	#	#	#	#	#
UN52405	#	#	#	#	#	#	#	#	#	#	#
UN52406	Rsa1.0.01269.1	156	49622	2.00E-32	89	95	93 +	1	95	25451	25545
UN52407	Rsa1.0.00366.1	185	90880	3.00E-74	168	177	94 -	1	177	25969	26145
UN52408	Rsa1.0.04504.1	788	17069	0	544	558	97 +	231	788	7935	8489
UN52409	Rsa1.0.00105.1	154	134138	2.00E-22	75	82	91 -	1	82	1925	2006
UN52410	#	#	#	#	#	#	#	#	#	#	#
UN52411	Rsa1.0.02843.1	833	27383	1.00E-165	368	396	92 +	457	833	8189	8583
UN52412	Rsa1.0.00703.1	610	67597	1.00E-158	310	318	97 -	2	317	10307	10624
UN52413	Rsa1.0.14436.1	467	3393	1.00E-149	367	401	91 +	1	393	2252	2652
UN52414	Rsa1.0.00012.1	767	222148	0	723	787	91 +	1	767	74770	75546

UN52415	Rsa1.0.02550.1	173	291051	4.00E-61	155	167	92 +	1	167	13715	13881
UN52416	Rsa1.0.00048.1	120	167185	3.00E-36	112	121	92 -	1	120	13855	13974
UN52417	Rsa1.0.00984.1	149	57580	1.00E-54	138	148	93 +	2	149	932	1079
UN52418	Rsa1.0.32504.1	610	700	0	411	427	96 +	184	610	1	427
UN52419	Rsa1.0.00065.1	185	454616	4.00E-55	160	177	90 +	1	177	151556	151732
UN52420	Rsa1.0.00777.1	883	191865	1.00E-142	266	269	98 -	611	879	181257	181525
UN52421	Rsa1.0.71453.1	135	321	7.00E-50	124	132	93 -	2	133	43	174
UN52422	Rsa1.0.01376.1	297	47004	1.00E-126	253	261	96 -	1	261	46244	46504
UN52423	Rsa1.0.05782.1	143	12646	4.00E-39	109	118	92 -	9	126	8988	9105
UN52424	Rsa1.0.00688.1	876	68396	4.00E-65	191	212	90 -	2	199	14822	15033
UN52425	Rsa1.0.01699.1	207	40816	1.00E-64	139	141	98 +	67	207	24245	24383
UN52426	Rsa1.0.02754.1	640	28213	1.00E-115	350	396	88 +	14	409	10059	10451
UN52427	Rsa1.0.00539.1	388	76926	3.00E-61	165	180	91 +	12	191	57471	57650
UN52428	Rsa1.0.01958.1	823	261128	1.00E-105	201	203	99 +	80	282	2	204
UN52429	Rsa1.0.00013.1	555	292129	1.00E-108	214	219	97 +	271	489	121565	121783
UN52430	Rsa1.0.01282.1	219	49304	5.00E-55	191	221	86 +	1	219	26627	26831
UN52431	Rsa1.0.03158.1	126	24950	5.00E-23	67	71	94 -	54	124	7686	7756
UN52432	Rsa1.0.04301.1	305	18022	1.00E-44	154	173	89 -	109	280	3410	3578
UN52433	Rsa1.0.00923.1	426	153678	2.33E-156	308	323	95 +	1	323	152664	152986
UN52434	Rsa1.0.00616.1	151	195713	7.00E-78	147	147	100 +	5	151	178433	178579
UN52435	Rsa1.0.00122.1	693	265937	0	634	693	91 +	10	693	40356	41033
UN52436	Rsa1.0.12636.1	802	5168	1.00E-122	226	227	99 +	1	227	1832	2058
UN52437	Rsa1.0.00265.1	887	220635	1.00E-131	302	324	93 +	3	325	188935	189247
UN52438	Rsa1.0.00707.1	313	190112	1.00E-155	307	314	97 +	1	313	17615	17927
UN52439	Rsa1.0.00027.1	866	283362	1.00E-119	227	230	98 -	492	721	136818	137047
UN52440	Rsa1.0.00828.1	247	62744	6.00E-89	228	246	92 +	3	247	48068	48312
UN52441	Rsa1.0.02457.1	647	31208	1.00E-117	256	268	95 -	1	264	12121	12388
UN52442	Rsa1.0.00683.1	452	68638	1.00E-114	368	420	87 +	46	452	24142	24553
UN52443	Rsa1.0.03738.1	130	21071	9.00E-40	110	119	92 -	4	122	19902	20020
UN52444	Rsa1.0.06893.1	253	10194	1.00E-37	192	228	84 +	27	253	1057	1284
UN52445	Rsa1.0.00089.1	231	406142	1.00E-68	210	235	89 -	1	231	351970	352196
UN52446	Rsa1.0.01196.1	163	51097	8.00E-44	111	118	94 +	1	118	32720	32837
UN52447	Rsa1.0.00061.1	597	218685	0	584	597	97 -	1	597	185869	186464
UN52448	Rsa1.0.12425.1	733	5229	0	394	407	96 -	1	406	4587	4991
UN52449	Rsa1.0.00134.1	140	390219	3.00E-43	125	137	91 -	4	140	129454	129590
UN52450	Rsa1.0.00078.1	694	175053	5.00E-70	159	167	95 -	130	296	78090	78256
UN52451	Rsa1.0.02237.1	937	33544	0	556	572	97 -	361	930	2848	3416
UN52452	Rsa1.0.00260.1	165	102021	7.00E-72	158	165	95 +	1	165	8972	9136
UN52453	Rsa1.0.01632.1	177	181224	1.00E-30	107	120	89 +	23	142	6520	6639

UN52454	Rsa1.0.00813.1	548	63202	0	527	546	96 -	1	546	22372	22917
UN52455	Rsa1.0.00201.1	613	232851	0	584	609	95 -	5	613	35907	36515
UN52456	Rsa1.0.01611.1	166	42269	3.00E-34	83	86	96 +	81	166	25466	25551
UN52457	Rsa1.0.00478.1	206	81419	6.00E-30	109	121	90 -	1	118	2739	2858
UN52458	Rsa1.0.03031.1	665	25839	1.00E-167	325	334	97 -	240	573	24118	24451
UN52459	Rsa1.0.01883.1	382	37661	8.00E-80	166	171	97 -	137	307	11318	11488
UN52460	Rsa1.0.00924.1	313	59524	6.00E-74	166	173	95 +	1	172	3689	3861
UN52461	Rsa1.0.00838.1	913	153820	1.00E-156	321	332	96 -	51	380	133478	133804
UN52462	Rsa1.0.01914.1	861	37354	0	841	855	98 +	10	861	27128	27982
UN52463	Rsa1.0.00138.1	225	247040	4.00E-96	215	226	95 -	1	225	234440	234665
UN52464	Rsa1.0.07775.1	732	8594	0	713	727	98 +	3	729	954	1680
UN52465	Rsa1.0.25317.1	542	941	0	513	544	94 +	1	542	278	819
UN52466	Rsa1.0.01232.1	220	155185	4.00E-77	189	202	93 +	1	199	132560	132758
UN52467	Rsa1.0.09517.1	166	6319	1.00E-70	159	166	95 +	1	166	1976	2139
UN52468	Rsa1.0.02043.1	904	163754	1.00E-120	268	283	94 +	118	400	5678	5958
UN52469	Rsa1.0.01431.1	212	167877	1.00E-83	201	213	94 -	1	212	157707	157918
UN52470	Rsa1.0.02605.1	410	29637	1.00E-121	240	245	97 -	51	294	8473	8717
UN52471	Rsa1.0.03722.1	191	21184	2.00E-66	177	192	92 -	5	191	9615	9805
UN52472	Rsa1.0.02058.1	334	35532	6.00E-68	187	206	90 +	1	200	14743	14948
UN52473	Rsa1.0.00122.1	661	265937	0	540	572	94 -	1	561	233492	234060
UN52474	Rsa1.0.12731.1	735	5142	1.00E-124	269	283	95 -	2	280	178	460
UN52475	Rsa1.0.00377.1	211	90038	3.00E-87	199	211	94 +	1	211	79677	79887
UN52476	Rsa1.0.00018.1	820	410899	0	431	453	95 -	369	820	14377	14828
UN52477	Rsa1.0.00801.1	787	63861	0	356	359	99 +	154	512	37217	37575
UN52478	Rsa1.0.08870.1	736	6840	0	480	490	97 +	2	490	5766	6252
UN52479	Rsa1.0.04093.1	785	19106	1.00E-144	269	272	98 -	310	581	1581	1852
UN52480	Rsa1.0.01220.1	177	161775	8.00E-69	165	175	94 -	3	177	138841	139013
UN52481	Rsa1.0.02248.1	142	33414	3.00E-61	134	139	96 -	1	139	27097	27235
UN52482	Rsa1.0.00417.1	166	395068	2.00E-69	151	157	96 +	10	166	361441	361597
UN52483	Rsa1.0.00648.1	221	70351	1.00E-83	205	221	92 -	1	221	31514	31734
UN52484	Rsa1.0.00016.1	160	831256	6.00E-26	90	100	90 +	54	153	391928	392027
UN52485	Rsa1.0.00311.1	847	96847	1.00E-129	234	234	100 +	614	847	28525	28758
UN52486	Rsa1.0.01373.1	199	47052	1.00E-70	183	199	91 -	1	199	31627	31825
UN52487	Rsa1.0.00295.1	473	152597	1.00E-170	342	355	96 +	4	358	21906	22260
UN52488	Rsa1.0.03352.1	169	23506	3.00E-68	163	171	95 +	1	169	17871	18041
UN52489	Rsa1.0.00547.1	534	76521	0	529	533	99 -	3	534	72013	72545
UN52490	Rsa1.0.01290.1	841	49179	1.00E-108	271	292	92 +	430	720	47098	47388
UN52491	Rsa1.0.00277.1	767	100132	1.00E-122	298	321	92 +	1	316	88408	88725
UN52492	Rsa1.0.00224.1	760	327530	1.00E-140	261	264	98 +	1	264	204876	205139

UN52493	Rsa1.0.05573.1	890	13290	0	823	895	91 -	26	890	3765	4646
UN52494	Rsa1.0.02515.1	330	30616	2.00E-40	106	113	93 -	96	208	2680	2792
UN52495	Rsa1.0.00105.1	219	134138	1.00E-106	213	219	97 -	1	219	128360	128578
UN52496	Rsa1.0.00028.1	580	293984	0	542	585	92 +	2	580	65888	66472
UN52497	Rsa1.0.27950.1	882	833	0	650	664	97 -	159	822	170	833
UN52498	Rsa1.0.03303.1	295	23890	7.00E-95	203	212	95 -	1	212	7012	7223
UN52499	Rsa1.0.00290.1	782	225096	0	638	670	95 -	113	782	10959	11610
UN52500	Rsa1.0.06160.1	706	11596	0	655	680	96 -	1	679	9411	10085
UN52501	Rsa1.0.00096.1	839	198773	0	559	584	95 +	29	605	109651	110231
UN52502	Rsa1.0.00087.1	228	761073	2.00E-73	211	231	91 +	1	228	730662	730891
UN52503	Rsa1.0.00178.1	695	114861	0	621	657	94 -	52	695	71653	72301
UN52504	Rsa1.0.01835.1	496	38542	1.00E-152	315	329	95 -	1	329	20859	21187
UN52505	Rsa1.0.00660.1	723	69688	3.00E-87	167	168	99 -	105	272	63166	63333
UN52506	Rsa1.0.00213.1	647	108167	7.00E-94	199	203	98 -	448	647	90671	90873
UN52507	Rsa1.0.00047.1	629	168582	7.00E-97	235	248	94 -	371	617	165035	165279
UN52508	Rsa1.0.05262.1	735	14334	0	502	547	91 -	2	534	12878	13411
UN52509	Rsa1.0.01662.1	733	41382	0	437	440	99 -	240	679	14174	14613
UN52510	Rsa1.0.00040.1	523	324196	0	426	431	98 +	93	523	33482	33912
UN52511	Rsa1.0.05794.1	710	12610	2.00E-85	185	193	95 +	458	650	11620	11812
UN52512	Rsa1.0.00029.1	151	272992	2.00E-25	74	79	93 +	1	79	252484	252562
UN52513	Rsa1.0.00131.1	418	432233	1.00E-103	222	231	96 -	138	362	63262	63492
UN52514	Rsa1.0.02180.1	827	34176	1.00E-151	330	348	94 +	8	351	26510	26851
UN52515	Rsa1.0.01838.1	557	38500	0	514	555	92 -	5	557	3606	4133
UN52516	Rsa1.0.03465.1	720	22700	4.00E-86	173	176	98 -	141	316	21374	21546
UN52517	Rsa1.0.00712.1	677	67217	0	502	519	96 +	121	636	47502	48017
UN52518	Rsa1.0.14358.1	863	3481	0	725	800	90 +	1	798	2492	3274
UN52519	Rsa1.0.06288.1	562	11302	0	435	448	97 +	115	562	10748	11190
UN52520	Rsa1.0.01702.1	705	40722	0	445	457	97 +	249	705	13062	13518
UN52521	Rsa1.0.00476.1	294	280966	4.00E-41	102	106	96 +	116	221	242497	242601
UN52522	Rsa1.0.01414.1	538	149508	0	516	536	96 +	4	538	143154	143685
UN52523	Rsa1.0.05204.1	798	14516	1.00E-160	317	326	97 -	479	798	6228	6553
UN52524	Rsa1.0.00195.1	474	251884	0	449	477	94 +	1	474	41483	41946
UN52525	Rsa1.0.02686.1	162	28666	4.00E-58	129	133	96 +	32	162	19533	19665
UN52526	Rsa1.0.22076.1	694	1151	1.00E-156	310	321	96 -	382	694	453	773
UN52527	Rsa1.0.04881.1	768	15608	1.00E-110	292	317	92 -	454	768	8994	9301
UN52528	Rsa1.0.00895.1	645	60615	2.33E-156	300	311	96 +	337	643	16609	16918
UN52529	Rsa1.0.02092.1	564	35135	1.00E-168	342	355	96 -	192	543	30357	30708
UN52530	Rsa1.0.01412.1	232	46311	1.00E-101	215	223	96 -	5	227	11239	11460
UN52531	Rsa1.0.00292.1	778	98141	1.00E-133	401	449	89 +	130	572	5696	6116

UN52532	Rsa1.0.00127.1	800	127446	1.00E-152	306	317	96 +	3	319	36397	36713
UN52533	Rsa1.0.17583.1	819	1791	0	339	341	99 +	463	802	920	1259
UN52534	Rsa1.0.02657.1	516	29000	0	477	513	92 +	3	505	20688	21196
UN52535	Rsa1.0.00260.1	745	102021	1.00E-111	222	228	97 -	514	741	60735	60962
UN52536	Rsa1.0.01997.1	849	158416	1.00E-102	238	252	94 +	3	253	5394	5643
UN52537	Rsa1.0.01300.1	683	48942	1.00E-139	318	339	93 +	236	574	26044	26376
UN52538	Rsa1.0.00838.1	738	153820	1.00E-89	185	190	97 +	165	351	130890	131079
UN52539	Rsa1.0.00145.1	528	261008	1.00E-85	220	241	91 -	94	325	95121	95361
UN52540	Rsa1.0.00207.1	886	248736	1.00E-144	260	260	100 +	486	745	218549	218808
UN52541	Rsa1.0.00144.1	509	120708	0	487	514	94 +	2	509	23836	24349
UN52542	Rsa1.0.00320.1	706	95784	0	683	709	96 -	2	706	58976	59683
UN52543	Rsa1.0.04123.1	655	18947	1.00E-138	268	274	97 -	377	650	7708	7981
UN52544	Rsa1.0.03249.1	750	146254	1.00E-143	278	285	97 -	317	601	143079	143363
UN52545	Rsa1.0.02121.1	744	34813	7.00E-85	172	176	97 +	475	650	14172	14347
UN52546	Rsa1.0.00017.1	576	752458	1.00E-106	263	283	92 +	298	575	314419	314693
UN52547	Rsa1.0.00525.1	711	78030	1.00E-160	317	327	96 -	231	557	5337	5663
UN52548	Rsa1.0.03054.1	754	25738	1.00E-137	280	291	96 +	357	647	14197	14487
UN52549	Rsa1.0.02694.1	750	28610	0	660	681	96 -	71	750	10910	11590
UN52550	Rsa1.0.28709.1	631	805	2.00E-84	213	227	93 -	382	607	162	386
UN52551	Rsa1.0.00010.1	555	294827	2.00E-50	126	133	94 +	37	169	118148	118278
UN52552	Rsa1.0.03218.1	823	24539	1.00E-122	273	289	94 -	10	289	5213	5498
UN52553	Rsa1.0.00163.1	772	116847	1.00E-159	470	532	88 +	2	533	70061	70586
UN52554	Rsa1.0.01388.1	727	46741	1.00E-110	326	370	88 +	4	370	25401	25755
UN52555	Rsa1.0.01825.1	157	38725	5.00E-45	145	164	88 +	3	157	24060	24223
UN52556	Rsa1.0.00065.1	781	454616	1.00E-177	395	421	93 -	5	415	445013	445430
UN52557	Rsa1.0.00100.1	696	249232	1.00E-168	338	351	96 -	3	353	187590	187940
UN52558	Rsa1.0.01779.1	552	39448	0	517	548	94 +	3	544	11186	11729
UN52559	Rsa1.0.05618.1	676	13165	0	510	544	93 +	148	676	4478	5018
UN52560	Rsa1.0.00994.1	800	165189	1.00E-177	381	403	94 -	2	404	38719	39121
UN52561	Rsa1.0.00832.1	704	62622	1.00E-126	238	241	98 +	142	382	32733	32973
UN52562	Rsa1.0.00838.1	725	153820	0	361	369	97 -	228	596	16093	16461
UN52563	Rsa1.0.01875.1	588	37849	1.00E-147	299	311	96 +	278	588	25024	25328
UN52564	Rsa1.0.00457.1	596	337301	1.00E-64	126	126	100 -	118	243	161069	161194
UN52565	Rsa1.0.00336.1	676	445051	0	497	538	92 -	3	527	221235	221756
UN52566	Rsa1.0.03711.1	614	21237	4.00E-92	286	323	88 +	319	614	10384	10706
UN52567	Rsa1.0.01117.1	225	53465	6.00E-95	216	227	95 +	2	225	39708	39934
UN52568	Rsa1.0.00877.1	580	61305	0	496	515	96 +	3	517	6888	7400
UN52569	Rsa1.0.01884.1	684	37659	1.00E-106	224	233	96 -	2	234	16553	16782
UN52570	Rsa1.0.04332.1	702	17869	0	634	656	96 -	39	694	11042	11691

UN52571	Rsa1.0.03511.1	116	22373	5.00E-44	108	114	94 +	3	116	4982	5095
UN52572	Rsa1.0.01953.1	774	36881	2.00E-32	124	140	88 -	636	774	24722	24861
UN52573	Rsa1.0.00504.1	544	79334	1.00E-148	330	352	93 +	192	536	24076	24427
UN52574	Rsa1.0.00485.1	755	80937	0	417	432	96 +	3	434	3511	3940
UN52575	Rsa1.0.00034.1	708	260119	0	557	586	95 +	119	695	238118	238699
UN52576	Rsa1.0.04121.1	578	18951	1.00E-113	375	431	87 -	49	479	13885	14315
UN52577	Rsa1.0.00719.1	838	66952	0	409	420	97 -	4	423	47331	47748
UN52578	Rsa1.0.00817.1	751	62961	0	355	360	98 -	4	363	23945	24302
UN52579	Rsa1.0.00427.1	477	189678	6.00E-69	136	137	99 +	112	248	162316	162452
UN52580	Rsa1.0.01326.1	664	48072	1.00E-158	324	334	97 -	290	620	43834	44166
UN52581	Rsa1.0.01414.1	328	149508	5.00E-99	248	267	92 +	63	328	143438	143703
UN52582	Rsa1.0.00480.1	794	81325	0	414	433	95 +	3	434	30816	31248
UN52583	Rsa1.0.00223.1	679	106231	1.00E-143	284	293	96 +	336	628	40246	40538
UN52584	Rsa1.0.00121.1	579	278029	6.00E-97	207	215	96 -	267	479	43521	43735
UN52585	Rsa1.0.00330.1	683	94666	1.00E-152	290	296	97 -	388	683	46809	47104
UN52586	Rsa1.0.01814.1	759	38917	1.00E-133	268	276	97 -	81	354	868	1143
UN52587	Rsa1.0.20432.1	689	1306	5.00E-70	147	151	97 -	2	152	391	541
UN52588	Rsa1.0.00871.1	820	61539	1.00E-80	209	230	90 +	3	222	10101	10323
UN52589	Rsa1.0.00294.1	746	144860	0	702	736	95 -	11	746	7394	8128
UN52590	Rsa1.0.15067.1	776	2854	1.00E-140	298	313	95 -	270	582	2007	2319
UN52591	Rsa1.0.01377.1	639	46967	9.00E-44	137	151	90 +	339	488	24827	24977
UN52592	Rsa1.0.03387.1	478	23278	0	407	432	94 +	50	478	402	833
UN52593	Rsa1.0.00099.1	785	159619	0	432	449	96 -	153	596	7284	7729
UN52594	Rsa1.0.00660.1	768	69688	1.00E-104	202	205	98 -	29	233	19305	19509
UN52595	Rsa1.0.00923.1	730	153678	7.00E-85	172	176	97 -	221	396	35861	36036
UN52596	Rsa1.0.01549.1	684	43543	0	658	687	95 +	1	684	31613	32292
UN52597	Rsa1.0.00113.1	797	131574	1.00E-150	292	299	97 +	3	301	51929	52224
UN52598	Rsa1.0.02008.1	735	36109	1.00E-113	246	256	96 -	480	735	17395	17648
UN52599	Rsa1.0.02981.1	444	26285	2.00E-68	192	210	91 +	237	444	5587	5794
UN52600	Rsa1.0.00777.1	778	191865	0	383	399	95 +	145	543	188924	189322
UN52601	Rsa1.0.00829.1	514	158305	1.00E-141	306	319	95 +	199	514	109209	109527
UN52602	Rsa1.0.05541.1	656	139959	0	435	451	96 -	80	530	128549	128990
UN52603	Rsa1.0.00398.1	581	88007	9.00E-56	126	131	96 -	428	558	11503	11633
UN52604	#	#	#	#	#	#	#	#	#	#	#
UN52605	Rsa1.0.03380.1	679	23320	1.00E-140	320	343	93 +	1	343	4285	4615
UN52606	Rsa1.0.01998.1	715	36276	0	608	624	97 +	18	641	669	1289
UN52607	Rsa1.0.00011.1	799	225044	0	456	492	92 -	223	714	213364	213851
UN52608	Rsa1.0.00890.1	647	323870	1.00E-79	154	155	99 -	258	412	173677	173831
UN52609	Rsa1.0.00539.1	758	76926	0	448	463	96 -	2	461	264	724

UN52610	Rsa1.0.00341.1	626	249309	1.00E-112	205	205	100 +	317	521	178139	178343
UN52611	Rsa1.0.00080.1	674	190437	1.00E-165	359	381	94 +	36	416	92847	93215
UN52612	Rsa1.0.01280.1	641	49321	0	593	613	96 +	32	641	36579	37191
UN52613	Rsa1.0.01536.1	858	43747	0	485	510	95 +	349	858	28233	28732
UN52614	Rsa1.0.04898.1	835	15545	0	813	823	98 -	15	835	10106	10928
UN52615	Rsa1.0.03640.1	848	21624	1.00E-130	269	280	96 -	103	382	18689	18968
UN52616	Rsa1.0.02404.1	529	31702	1.00E-143	273	277	98 -	253	529	19208	19483
UN52617	Rsa1.0.00351.1	684	413096	1.00E-174	376	395	95 -	301	684	244433	244827
UN52618	Rsa1.0.02802.1	701	27736	0	652	694	93 -	5	697	10962	11631
UN52619	Rsa1.0.00867.1	723	61635	1.00E-124	257	266	96 -	451	715	55412	55677
UN52620	Rsa1.0.01953.1	703	36881	1.00E-135	300	317	94 +	382	697	6698	7014
UN52621	Rsa1.0.00906.1	678	178966	2.00E-82	162	164	98 -	66	229	122095	122258
UN52622	Rsa1.0.01922.1	618	37236	0	375	388	96 -	233	618	12524	12910
UN52623	Rsa1.0.02556.1	634	30133	0	520	542	95 +	93	634	2960	3496
UN52624	Rsa1.0.08430.1	605	7367	0	362	368	98 +	64	431	624	991
UN52625	Rsa1.0.01196.1	658	51097	1.00E-135	379	424	89 +	230	653	1539	1962
UN52626	Rsa1.0.02860.1	684	27207	0	663	684	96 -	1	684	1871	2553
UN52627	Rsa1.0.01641.1	747	188213	0	725	749	96 -	3	747	31670	32415
UN52628	Rsa1.0.00136.1	271	122464	3.00E-69	133	133	100 -	16	148	93267	93399
UN52629	Rsa1.0.07014.1	750	10029	0	706	729	96 +	30	750	7694	8422
UN52630	Rsa1.0.00107.1	759	431659	0	566	590	95 -	170	750	300465	301052
UN52631	Rsa1.0.01390.1	713	46695	0	659	720	91 -	19	713	38977	39686
UN52632	Rsa1.0.05969.1	772	12072	0	636	668	95 +	1	662	4252	4914
UN52633	Rsa1.0.00179.1	289	393324	1.00E-120	274	291	94 -	5	289	336513	336803
UN52634	Rsa1.0.14574.1	190	3252	2.00E-91	185	190	97 -	1	190	2912	3101
UN52635	Rsa1.0.21309.1	791	1216	0	566	583	97 +	212	791	257	839
UN52636	Rsa1.0.02719.1	877	28428	0	634	646	98 +	230	874	9837	10481
UN52637	Rsa1.0.00380.1	391	89748	0	339	342	99 -	2	343	25967	26308
UN52638	Rsa1.0.00116.1	721	365886	0	474	502	94 +	220	721	18349	18846
UN52639	Rsa1.0.01043.1	775	55893	0	742	766	96 -	2	767	51342	52106
UN52640	#	#	#	#	#	#	#	#	#	#	#
UN52641	Rsa1.0.01266.1	787	49680	0	750	791	94 -	1	787	16024	16791
UN52642	Rsa1.0.00089.1	368	406142	1.00E-124	291	313	92 -	36	339	392576	392887
UN52643	Rsa1.0.00574.1	758	74797	1.00E-130	256	262	97 +	174	435	2996	3254
UN52644	Rsa1.0.00575.1	662	74791	1.00E-106	281	309	90 -	358	662	59483	59772
UN52645	Rsa1.0.00722.1	765	66840	0	468	508	92 -	50	553	38557	39058
UN52646	Rsa1.0.10863.1	481	5698	1.00E-129	409	461	88 +	30	481	4712	5170
UN52647	Rsa1.0.00160.1	842	346678	0	402	417	96 +	340	756	31620	32036
UN52648	Rsa1.0.01881.1	675	37721	0	631	672	93 -	3	674	8434	9090

UN52649	Rsa1.0.02710.1	650	28492	1.00E-136	302	319	94 -	3	320	25405	25719
UN52650	Rsa1.0.06356.1	830	11178	1.00E-115	241	251	96 -	433	683	9177	9427
UN52651	Rsa1.0.00040.1	531	324196	1.00E-159	312	320	97 -	61	379	53110	53429
UN52652	Rsa1.0.04004.1	456	19594	0	444	458	96 -	3	456	15179	15635
UN52653	Rsa1.0.00865.1	641	61686	0	437	458	95 -	22	478	2371	2828
UN52654	Rsa1.0.02267.1	492	33194	0	419	441	95 -	17	451	11963	12402
UN52655	Rsa1.0.28104.1	719	827	1.00E-64	150	158	94 +	466	623	283	440
UN52656	Rsa1.0.03141.1	257	25061	1.00E-77	239	266	89 -	1	257	19289	19544
UN52657	Rsa1.0.00578.1	541	74581	3.00E-31	171	208	82 -	349	541	65016	65223
UN52658	Rsa1.0.06714.1	189	10488	1.00E-36	112	122	91 +	2	123	9957	10077
UN52659	Rsa1.0.00917.1	831	182012	0	707	727	97 -	2	726	130794	131520
UN52660	Rsa1.0.00406.1	808	87398	1.00E-134	284	297	95 +	129	425	74471	74764
UN52661	Rsa1.0.04198.1	736	18504	0	469	493	95 +	250	736	13939	14430
UN52662	Rsa1.0.01492.1	685	44704	0	404	430	93 +	5	434	32824	33244
UN52663	Rsa1.0.01706.1	813	40694	1.00E-125	236	239	98 +	145	383	28390	28628
UN52664	Rsa1.0.04527.1	528	16958	0	489	518	94 -	4	521	15736	16252
UN52665	Rsa1.0.00055.1	820	520193	1.00E-161	316	324	97 -	1	324	336224	336546
UN52666	Rsa1.0.03709.1	798	21247	2.00E-60	291	345	84 -	149	484	4128	4471
UN52667	Rsa1.0.22285.1	788	1134	0	521	537	97 -	75	611	1	537
UN52668	Rsa1.0.06990.1	259	10060	7.00E-70	181	197	91 +	63	259	4389	4579
UN52669	Rsa1.0.16078.1	709	2294	0	576	593	97 -	119	709	1698	2290
UN52670	Rsa1.0.02652.1	535	29038	1.00E-63	130	132	98 +	250	381	19717	19848
UN52671	Rsa1.0.01790.1	692	39248	1.00E-161	315	324	97 +	44	367	14791	15114
UN52672	Rsa1.0.00025.1	782	277312	0	469	502	93 +	295	782	224511	225010
UN52673	Rsa1.0.01145.1	613	149247	1.00E-131	419	477	87 -	7	469	104474	104931
UN52674	Rsa1.0.03013.1	787	26026	5.00E-61	210	240	87 -	26	265	2235	2474
UN52675	Rsa1.0.00627.1	819	71566	8.00E-85	163	164	99 +	547	710	62667	62830
UN52676	Rsa1.0.00008.1	616	358124	1.00E-178	368	385	95 +	232	616	5892	6276
UN52677	Rsa1.0.00623.1	677	207630	1.00E-143	267	270	98 +	2	271	174599	174868
UN52678	Rsa1.0.03946.1	554	19912	1.00E-177	333	339	98 +	220	554	383	721
UN52679	Rsa1.0.00296.1	814	97854	1.00E-135	263	269	97 -	115	383	46769	47037
UN52680	Rsa1.0.03893.1	661	20220	2.33E-156	324	343	94 +	319	660	17243	17585
UN52681	Rsa1.0.01463.1	299	45213	1.00E-158	294	298	98 +	2	299	38235	38532
UN52682	Rsa1.0.16253.1	757	2225	1.00E-100	195	198	98 -	3	200	1	198
UN52683	Rsa1.0.08622.1	757	7122	8.00E-94	219	233	93 +	2	234	3845	4074
UN52684	Rsa1.0.00473.1	212	212204	5.00E-95	203	212	95 +	1	212	48598	48809
UN52685	Rsa1.0.04286.1	772	18084	2.00E-79	216	238	90 -	3	237	6107	6331
UN52686	Rsa1.0.00483.1	750	81102	1.00E-153	313	326	96 -	423	748	46607	46932
UN52687	Rsa1.0.00301.1	697	365315	0	409	426	96 +	2	427	83869	84294

UN52688	Rsa1.0.03105.1	789	25373	0	593	606	97 -	25	630	17355	17960
UN52689	Rsa1.0.00894.1	788	269700	9.00E-69	142	145	97 -	158	302	130214	130358
UN52690	Rsa1.0.21467.1	752	1200	0	504	533	94 -	221	751	137	663
UN52691	Rsa1.0.01006.1	677	163670	0	593	616	96 +	52	666	7899	8510
UN52692	Rsa1.0.00115.1	778	131321	1.00E-139	296	311	95 +	24	334	34887	35197
UN52693	Rsa1.0.20731.1	294	1275	3.00E-57	122	125	97 +	166	290	9	133
UN52694	Rsa1.0.03506.1	742	22416	1.00E-145	400	434	92 +	1	427	7449	7871
UN52695	Rsa1.0.00055.1	750	520193	0	735	757	97 +	1	750	188781	189537
UN52696	Rsa1.0.16736.1	753	2050	0	597	648	92 +	96	737	749	1396
UN52697	Rsa1.0.00177.1	105	143394	3.00E-45	101	104	97 -	2	105	106524	106627
UN52698	Rsa1.0.04768.1	742	16066	1.00E-115	244	255	95 +	3	257	352	606
UN52699	#	#	#	#	#	#	#	#	#	#	#
UN52700	Rsa1.0.00061.1	592	218685	4.00E-95	263	291	90 -	307	579	167065	167355
UN52701	Rsa1.0.00002.1	345	601661	1.00E-105	197	198	99 -	148	345	91564	91761
UN52702	Rsa1.0.34820.1	772	650	1.00E-149	328	344	95 -	237	578	1	343
UN52703	Rsa1.0.00480.1	735	81325	0	668	707	94 +	4	687	3551	4254
UN52704	Rsa1.0.02585.1	654	29865	0	630	643	97 -	3	640	25294	25936
UN52705	Rsa1.0.02743.1	865	28282	1.00E-40	341	426	80 +	304	729	13739	14164
UN52706	Rsa1.0.00985.1	712	161950	1.00E-109	248	261	95 +	60	320	49109	49367
UN52707	Rsa1.0.00563.1	785	75491	2.00E-69	137	138	99 -	351	488	73689	73826
UN52708	Rsa1.0.00681.1	144	68779	3.00E-37	99	105	94 -	40	141	54809	54913
UN52709	Rsa1.0.01104.1	651	285480	1.00E-121	239	245	97 -	407	651	264504	264748
UN52710	Rsa1.0.03218.1	701	24539	5.00E-64	155	163	95 -	3	164	9502	9661
UN52711	Rsa1.0.00347.1	198	93048	1.00E-77	188	201	93 +	1	198	68247	68447
UN52712	Rsa1.0.05782.1	265	12646	2.00E-52	108	109	99 +	151	259	9269	9377
UN52713	Rsa1.0.01015.1	683	56752	1.00E-115	216	218	99 +	330	547	2746	2963
UN52714	Rsa1.0.04756.1	680	16114	1.00E-109	364	418	87 +	1	418	7833	8247
UN52715	Rsa1.0.00064.1	631	240927	4.00E-12	50	54	92 -	472	525	172882	172935
UN52716	Rsa1.0.05496.1	604	13533	6.00E-97	204	212	96 -	104	315	1715	1926
UN52717	Rsa1.0.00277.1	648	100132	1.00E-106	359	415	86 -	25	439	84808	85213
UN52718	Rsa1.0.01978.1	666	36546	0	514	545	94 -	122	666	9700	10241
UN52719	Rsa1.0.02813.1	272	27656	4.00E-99	195	199	97 -	74	272	11428	11626
UN52720	Rsa1.0.00383.1	810	398431	0	784	810	96 +	1	810	145429	146237
UN52721	Rsa1.0.01519.1	675	44144	0	634	661	95 +	7	664	34209	34869
UN52722	Rsa1.0.00367.1	804	90750	0	769	803	95 +	6	804	3059	3857
UN52723	Rsa1.0.00428.1	678	85599	0	603	672	89 -	8	678	80774	81445
UN52724	Rsa1.0.00385.1	390	89160	3.00E-76	184	197	93 -	2	198	54012	54208
UN52725	Rsa1.0.02312.1	659	32675	0	393	408	96 -	1	408	16489	16893
UN52726	Rsa1.0.01251.1	673	49873	0	629	673	93 +	1	668	34626	35274

UN52727	Rsa1.0.06460.1	691	10974	0	573	589	97 +	104	691	3361	3948
UN52728	Rsa1.0.02114.1	414	34873	1.00E-63	134	136	98 +	174	309	1269	1403
UN52729	Rsa1.0.02521.1	710	30562	1.00E-180	385	406	94 -	20	420	24319	24721
UN52730	Rsa1.0.07441.1	733	9388	0	686	730	93 -	3	715	3859	4587
UN52731	Rsa1.0.00341.1	341	249309	1.00E-128	322	350	92 -	1	341	4049	4398
UN52732	Rsa1.0.02068.1	526	35432	0	509	534	95 -	3	526	15383	15910
UN52733	Rsa1.0.01223.1	836	50392	1.00E-157	295	298	98 +	496	792	46858	47155
UN52734	Rsa1.0.00683.1	430	68638	0	413	424	97 -	1	424	24121	24543
UN52735	Rsa1.0.00278.1	809	231896	0	731	764	95 -	2	765	86343	87106
UN52736	Rsa1.0.08607.1	689	7132	6.00E-76	154	157	98 +	446	602	5203	5359
UN52737	Rsa1.0.00348.1	785	92818	0	573	597	95 -	3	593	45687	46274
UN52738	Rsa1.0.00119.1	850	467509	4.00E-68	156	164	95 +	354	517	403903	404066
UN52739	Rsa1.0.11741.1	830	5423	1.00E-135	346	376	92 -	408	780	4722	5096
UN52740	Rsa1.0.00270.1	715	101236	0	710	715	99 -	2	715	80952	81666
UN52741	Rsa1.0.02532.1	194	30403	3.00E-65	181	198	91 +	2	194	24440	24631
UN52742	Rsa1.0.05282.1	614	14270	1.00E-76	173	182	95 -	180	361	6370	6551
UN52743	Rsa1.0.00231.1	822	105381	1.00E-129	278	291	95 +	468	757	19909	20199
UN52744	Rsa1.0.03131.1	861	25142	0	753	776	97 -	34	807	3668	4440
UN52745	Rsa1.0.02550.1	724	291051	1.00E-104	262	284	92 -	343	625	18624	18907
UN52746	Rsa1.0.04218.1	741	18423	1.00E-150	347	366	94 +	339	702	12805	13163
UN52747	Rsa1.0.00833.1	859	62621	1.00E-151	391	428	91 +	439	855	28121	28548
UN52748	Rsa1.0.01500.1	825	141844	0	794	831	95 +	2	815	139677	140502
UN52749	Rsa1.0.08001.1	767	8095	1.00E-125	303	325	93 +	296	613	5852	6172
UN52750	Rsa1.0.00880.1	745	61271	1.00E-107	397	467	85 +	262	728	46427	46878
UN52751	Rsa1.0.00494.1	392	79967	1.00E-121	250	260	96 +	3	262	20475	20734
UN52752	Rsa1.0.00192.1	564	278200	0	369	370	99 -	195	564	26718	27087
UN52753	Rsa1.0.00428.1	738	85599	0	420	441	95 -	42	480	71148	71587
UN52754	Rsa1.0.00640.1	644	70979	1.00E-134	317	334	94 +	316	644	34993	35324
UN52755	Rsa1.0.00524.1	332	169613	2.00E-64	197	223	88 -	1	202	125155	125377
UN52756	Rsa1.0.00268.1	590	101470	1.00E-138	258	261	98 +	251	511	38557	38817
UN52757	Rsa1.0.00360.1	431	91190	1.00E-123	257	266	96 +	3	268	65987	66248
UN52758	Rsa1.0.02248.1	762	33414	1.00E-166	315	320	98 -	166	485	8599	8917
UN52759	Rsa1.0.01441.1	732	45790	2.00E-88	175	178	98 +	126	303	30012	30189
UN52760	Rsa1.0.00728.1	726	66704	1.00E-119	232	237	97 +	266	502	34243	34479
UN52761	Rsa1.0.31329.1	664	730	1.00E-86	163	163	100 +	215	377	86	248
UN52762	Rsa1.0.00341.1	652	249309	1.00E-107	206	209	98 -	156	364	128945	129153
UN52763	Rsa1.0.26233.1	759	900	2.00E-60	155	167	92 +	123	289	730	896
UN52764	Rsa1.0.02027.1	166	35869	4.00E-30	73	75	97 +	92	166	8189	8263
UN52765	Rsa1.0.00080.1	842	190437	1.00E-141	282	291	96 +	34	324	32098	32388

UN52766	Rsa1.0.00265.1	835	220635	0	656	679	96 -	124	799	208287	208965
UN52767	Rsa1.0.01031.1	792	56236	0	374	384	97 -	336	717	21718	22101
UN52768	Rsa1.0.57173.1	698	400	5.00E-61	123	124	99 +	2	125	245	368
UN52769	Rsa1.0.02965.1	680	26402	0	613	632	96 +	53	680	10615	11243
UN52770	Rsa1.0_18035.1	861	1685	0	618	647	95 +	4	650	450	1094
UN52771	Rsa1.0_57826.1	442	396	1.00E-111	240	252	95 +	142	393	145	396
UN52772	Rsa1.0.04098.1	730	19078	1.00E-120	305	326	93 -	408	727	11234	11553
UN52773	Rsa1.0.00320.1	883	95784	0	762	847	89 -	60	860	27698	28535
UN52774	Rsa1.0.01096.1	886	54266	2.00E-97	217	227	95 -	3	227	3263	3487
UN52775	Rsa1.0.00637.1	873	71038	0	432	438	98 +	33	470	28619	29056
UN52776	Rsa1.0.00399.1	792	242951	1.00E-106	211	216	97 +	577	792	71901	72116
UN52777	Rsa1.0.00937.1	797	59061	0	448	460	97 -	340	797	48738	49196
UN52778	Rsa1.0.01996.1	735	36327	1.00E-115	302	327	92 -	413	732	34985	35309
UN52779	Rsa1.0.23355.1	812	1055	0	466	476	97 +	332	806	502	977
UN52780	Rsa1.0_10606.1	857	5787	0	668	687	97 -	11	697	3538	4224
UN52781	Rsa1.0.00356.1	633	91521	2.00E-50	159	175	90 +	275	444	56449	56622
UN52782	Rsa1.0.00090.1	658	273859	1.00E-112	232	241	96 -	373	613	245203	245443
UN52783	Rsa1.0.00589.1	663	209965	1.00E-179	327	330	99 +	328	657	152122	152451
UN52784	Rsa1.0.00190.1	645	318240	3.00E-93	183	186	98 -	428	613	213578	213763
UN52785	Rsa1.0.01651.1	719	41586	0	683	716	95 -	6	719	31545	32257
UN52786	Rsa1.0.43494.1	843	516	0	496	524	94 +	115	634	1	516
UN52787	Rsa1.0.08811.1	740	6904	2.00E-78	158	161	98 +	113	273	4646	4806
UN52788	Rsa1.0.00415.1	733	86795	1.00E-132	245	247	99 +	330	576	72219	72465
UN52789	Rsa1.0.01022.1	775	56606	0	715	753	94 +	23	774	22360	23103
UN52790	Rsa1.0.00846.1	779	62342	1.00E-145	434	490	88 +	292	775	40524	41013
UN52791	Rsa1.0.02420.1	702	31580	0	424	449	94 +	256	702	15051	15498
UN52792	Rsa1.0.01674.1	792	168300	1.00E-139	387	433	89 +	12	418	1858	2289
UN52793	Rsa1.0.00135.1	276	178077	3.00E-91	255	283	90 +	3	276	102944	103226
UN52794	Rsa1.0.04456.1	632	17260	1.00E-95	213	222	95 +	413	632	7706	7927
UN52795	Rsa1.0.05190.1	792	14544	1.00E-107	214	218	98 +	86	302	5210	5427
UN52796	Rsa1.0.00030.1	719	250988	2.00E-88	172	174	98 -	2	175	46719	46892
UN52797	Rsa1.0.01115.1	684	183545	1.00E-171	357	374	95 +	3	372	174027	174400
UN52798	Rsa1.0.06952.1	652	10118	1.00E-161	315	324	97 -	261	584	640	963
UN52799	Rsa1.0.09068.1	699	6671	0	391	404	96 -	290	690	5506	5906
UN52800	Rsa1.0.02125.1	827	34775	1.00E-117	251	263	95 -	478	740	1937	2199
UN52801	Rsa1.0.01215.1	628	166813	3.00E-80	204	222	91 -	138	356	43940	44152
UN52802	Rsa1.0.00493.1	724	80007	0	392	412	95 -	291	701	77923	78332
UN52803	Rsa1.0.01997.1	604	158416	2.00E-94	194	200	97 +	322	521	720	919
UN52804	Rsa1.0.01825.1	823	38725	1.00E-169	338	350	96 +	19	368	21300	21649

UN52805	Rsa1.0.02185.1	719	34150	0	473	482	98 -	238	719	32549	33030
UN52806	Rsa1.0.00512.1	657	200277	0	638	656	97 +	2	657	16564	17219
UN52807	Rsa1.0.00275.1	689	210104	0	606	626	96 +	65	689	205323	205948
UN52808	Rsa1.0.02514.1	829	30642	2.00E-32	103	112	91 -	709	819	17195	17306
UN52809	Rsa1.0_03185.1	189	24739	2.00E-29	82	85	96 +	1	84	7269	7351
UN52810	Rsa1.0_03158.1	847	24950	0	405	426	95 +	1	420	8138	8563
UN52811	Rsa1.0.00100.1	820	249232	0	790	818	96 -	4	814	196447	197261
UN52812	Rsa1.0.06715.1	145	10485	2.00E-38	109	117	93 -	29	145	4495	4610
UN52813	Rsa1.0.00099.1	838	159619	0	578	591	97 +	2	592	85093	85683
UN52814	Rsa1.0.03376.1	680	23326	7.00E-57	125	129	96 -	230	358	22715	22843
UN52815	Rsa1.0.01707.1	672	40686	0	346	351	98 +	28	378	33632	33982
UN52816	Rsa1.0.00055.1	645	520193	1.00E-170	321	327	98 +	287	613	349414	349740
UN52817	Rsa1.0.03990.1	790	19676	0	732	801	91 -	4	788	6867	7648
UN52818	Rsa1.0.00228.1	338	105511	3.00E-57	125	129	96 +	78	206	37632	37760
UN52819	Rsa1.0.00877.1	273	61305	1.00E-119	261	273	95 -	2	273	488	759
UN52820	Rsa1.0.00144.1	371	120708	1.00E-115	328	365	89 +	1	363	68707	69050
UN52821	Rsa1.0.00067.1	582	415055	1.00E-106	294	325	90 +	4	315	215551	215873
UN52822	Rsa1.0.02221.1	783	33796	1.00E-164	327	337	97 +	448	783	4032	4368
UN52823	Rsa1.0.00382.1	753	251946	2.00E-88	228	247	92 -	1	247	244979	245215
UN52824	Rsa1.0.00718.1	652	279335	0	592	639	92 +	31	652	234421	235057
UN52825	Rsa1.0.00092.1	621	659932	3.00E-99	273	306	89 -	4	294	325333	325638
UN52826	Rsa1.0.04031.1	311	19489	1.00E-136	293	309	94 -	3	311	1099	1407
UN52827	Rsa1.0.00235.1	757	154696	1.00E-143	269	273	98 +	286	558	98741	99013
UN52828	Rsa1.0.06229.1	704	11439	0	667	706	94 +	1	703	8042	8740
UN52829	Rsa1.0_13438.1	524	4828	2.00E-69	150	155	96 -	3	153	2804	2958
UN52830	Rsa1.0.00253.1	662	231292	7.00E-54	177	197	89 +	3	193	85041	85237
UN52831	#	#	#	#	#	#	#	#	#	#	#
UN52832	Rsa1.0.14044.1	725	3872	7.00E-94	187	191	97 -	531	721	3179	3369
UN52833	Rsa1.0.00486.1	637	80875	0	577	626	92 +	26	637	13173	13783
UN52834	Rsa1.0.00451.1	738	322533	8.00E-94	216	232	93 -	296	527	284872	285091
UN52835	Rsa1.0.03133.1	261	25135	1.00E-116	235	243	96 +	8	250	19350	19592
UN52836	Rsa1.0.02725.1	581	28404	9.00E-87	204	215	94 +	363	576	7763	7976
UN52837	Rsa1.0.01675.1	663	41155	1.00E-118	327	362	90 -	4	347	9381	9742
UN52838	Rsa1.0.01271.1	606	49569	1.00E-149	289	296	97 -	24	319	21832	22127
UN52839	Rsa1.0.03111.1	586	25327	0	355	364	97 -	223	586	4642	5005
UN52840	Rsa1.0.01661.1	600	41400	1.00E-106	212	216	98 +	4	218	38566	38781
UN52841	Rsa1.0.26454.1	740	891	1.00E-155	284	286	99 -	65	350	521	806
UN52842	Rsa1.0.03225.1	825	24500	0	775	827	93 +	24	825	12375	13200
UN52843	Rsa1.0.01887.1	763	37564	0	590	654	90 +	103	756	35387	36039

UN52844	Rsa1.0.00342.1	758	93695	0	652	718	90 -	70	754	14762	15471
UN52845	Rsa1.0.00871.1	645	61539	2.00E-50	119	124	95 +	2	122	23106	23229
UN52846	Rsa1.0.00476.1	812	280966	1.00E-119	259	272	95 -	530	801	234226	234495
UN52847	Rsa1.0.03290.1	835	24011	8.00E-91	207	218	94 +	492	708	16102	16319
UN52848	Rsa1.0.04045.1	787	19403	1.00E-115	220	223	98 -	207	429	8280	8502
UN52849	Rsa1.0.00025.1	743	277312	0	624	638	97 +	1	638	110419	111056
UN52850	Rsa1.0.01188.1	713	51362	8.00E-69	136	137	99 -	227	363	34653	34789
UN52851	Rsa1.0.02177.1	760	34262	1.00E-100	207	214	96 -	547	760	20059	20272
UN52852	Rsa1.0.14973.1	763	2919	1.00E-113	372	427	87 -	129	555	1403	1829
UN52853	Rsa1.0.01266.1	761	49680	1.00E-163	307	312	98 +	450	761	11668	11979
UN52854	Rsa1.0.00105.1	125	134138	1.00E-54	123	127	96 +	1	125	61807	61933
UN52855	Rsa1.0.02079.1	471	35306	1.00E-177	354	366	96 -	106	471	16865	17229
UN52856	Rsa1.0.00430.1	606	85453	0	536	586	91 -	21	606	44185	44767
UN52857	Rsa1.0.02150.1	171	34580	5.00E-42	96	99	96 -	67	165	15868	15966
UN52858	Rsa1.0.01850.1	126	162224	4.00E-39	88	90	97 -	1	90	6489	6578
UN52859	Rsa1.0.00995.1	532	57243	1.00E-106	211	216	97 +	1	216	19487	19702
UN52860	Rsa1.0.00978.1	262	57739	2.00E-98	213	222	95 +	1	221	37261	37482
UN52861	Rsa1.0.00176.1	489	240984	1.00E-161	324	336	96 -	154	489	205339	205674
UN52862	Rsa1.0.00179.1	693	393324	4.00E-80	152	152	100 +	191	342	40079	40230
UN52863	Rsa1.0.02439.1	672	31379	3.00E-53	221	258	85 -	268	523	13500	13757
UN52864	Rsa1.0.00223.1	674	106231	0	633	659	96 -	18	674	11627	12273
UN52865	Rsa1.0.02032.1	774	35830	0	421	435	96 +	338	772	1810	2244
UN52866	Rsa1.0.00016.1	663	831256	0	401	417	96 -	1	417	828912	829328
UN52867	Rsa1.0.02097.1	309	35036	1.00E-134	281	290	96 +	2	290	16179	16466
UN52868	Rsa1.0.00896.1	751	60509	5.00E-21	123	145	84 +	409	553	3317	3460
UN52869	Rsa1.0.00002.1	512	601661	1.00E-91	183	187	97 +	79	265	255311	255497
UN52870	Rsa1.0.01735.1	560	40128	1.00E-161	324	336	96 +	225	560	33988	34323
UN52871	Rsa1.0.00026.1	719	327835	0	595	606	98 +	114	719	167363	167968
UN52872	Rsa1.0.03355.1	458	23489	0	438	468	93 +	1	458	13557	14024
UN52873	Rsa1.0.01068.1	745	55208	1.00E-104	193	193	100 -	348	540	29646	29838
UN52874	Rsa1.0.01031.1	254	56236	1.00E-59	189	209	90 -	1	202	41501	41708
UN52875	Rsa1.0.00440.1	210	84723	5.00E-89	199	210	94 -	1	210	34622	34831
UN52876	Rsa1.0.10679.1	442	5757	0	428	442	96 -	1	442	110	551
UN52877	Rsa1.0.05166.1	622	14624	1.00E-130	267	277	96 +	350	622	14105	14381
UN52878	Rsa1.0.46580.1	265	485	1.00E-117	252	265	95 -	1	265	80	344
UN52879	Rsa1.0.02023.1	138	35922	2.00E-59	131	136	96 +	1	136	27169	27304
UN52880	Rsa1.0.00241.1	243	104000	4.00E-68	137	139	98 -	105	243	60559	60697
UN52881	Rsa1.0.04855.1	319	15708	1.00E-117	280	300	93 +	11	310	5853	6144
UN52882	Rsa1.0.02192.1	576	171291	0	432	463	93 -	73	517	12268	12724

UN52883	Rsa1.0_00101.1	197	267193	3.00E-13	57	63	90 -	134	196	170445	170507
UN52884	Rsa1.0_00855.1	402	62047	2.00E-74	205	228	89 -	46	273	6322	6533
UN52885	Rsa1.0_00060.1	266	502678	1.00E-134	260	266	97 +	1	266	31029	31294
UN52886	Rsa1.0_00751.1	665	65759	1.00E-176	334	341	97 +	325	665	41458	41798
UN52887	Rsa1.0_00049.1	815	167018	0	691	732	94 -	2	730	107759	108486
UN52888	Rsa1.0_00964.1	390	316648	1.00E-57	135	142	95 -	249	390	144513	144654
UN52889	Rsa1.0_00080.1	637	190437	1.00E-156	306	315	97 +	2	316	68600	68914
UN52890	Rsa1.0_00492.1	465	80178	1.00E-121	270	285	94 +	3	277	69378	69662
UN52891	Rsa1.0_00008.1	680	358124	2.00E-81	182	191	95 +	4	194	320268	320454
UN52892	Rsa1.0_01205.1	351	50795	8.00E-52	113	116	97 -	169	284	24150	24265
UN52893	Rsa1.0_02256.1	126	33329	3.00E-30	76	79	96 +	2	80	32663	32741
UN52894	Rsa1.0_01898.1	237	37491	1.00E-110	229	237	96 -	1	237	1658	1893
UN52895	Rsa1.0_00838.1	246	153820	4.00E-19	65	69	94 +	144	211	33872	33940
UN52896	Rsa1.0_00305.1	483	97308	0	449	459	97 -	26	483	43737	44195
UN52897	Rsa1.0_05923.1	660	12230	1.00E-137	287	300	95 -	3	301	5290	5581
UN52898	Rsa1.0_00639.1	765	165873	0	388	404	96 +	163	566	111239	111639
UN52899	Rsa1.0_04664.1	428	16471	0	423	428	98 -	1	428	6775	7202
UN52900	Rsa1.0_01265.1	404	49686	6.00E-84	206	222	92 -	14	235	912	1133
UN52901	Rsa1.0_00086.1	557	439854	0	392	402	97 -	155	556	342204	342604
UN52902	Rsa1.0_00538.1	820	77149	0	365	378	96 +	288	665	65817	66194
UN52903	Rsa1.0_00977.1	732	198001	1.00E-121	239	244	97 -	1	242	33827	34070
UN52904	Rsa1.0_00047.1	851	168582	1.00E-175	315	316	99 +	536	851	22283	22598
UN52905	Rsa1.0_00339.1	771	222974	1.00E-111	223	229	97 +	328	556	88249	88477
UN52906	Rsa1.0_05079.1	656	14905	1.00E-140	267	272	98 +	1	272	9509	9780
UN52907	Rsa1.0_00923.1	713	153678	0	564	582	96 -	133	713	39898	40479
UN52908	Rsa1.0_04563.1	455	16837	1.00E-57	117	118	99 +	34	151	15774	15891
UN52909	Rsa1.0_06524.1	763	10853	1.00E-173	311	312	99 +	1	312	7012	7323
UN52910	Rsa1.0_00087.1	871	761073	1.00E-161	339	356	95 +	311	666	433300	433655
UN52911	Rsa1.0_30871.1	770	742	0	449	466	96 -	298	763	281	742
UN52912	Rsa1.0_13663.1	359	4540	2.00E-62	140	146	95 -	1	146	355	500
UN52913	Rsa1.0_01978.1	751	36546	1.00E-116	235	242	97 +	510	751	12510	12747
UN52914	Rsa1.0_09563.1	529	6287	0	341	342	99 -	180	521	5360	5701
UN52915	Rsa1.0_00006.1	799	396176	4.00E-77	169	176	96 +	335	510	326236	326407
UN52916	Rsa1.0_04155.1	804	134772	0	544	546	99 -	260	804	125949	126493
UN52917	Rsa1.0_01580.1	137	42852	8.00E-19	107	119	89 +	2	120	39774	39885
UN52918	Rsa1.0_05923.1	863	12230	1.00E-141	313	335	93 -	2	336	10642	10964
UN52919	Rsa1.0_01396.1	755	151624	1.00E-105	212	218	97 -	538	755	143743	143960
UN52920	Rsa1.0_00536.1	410	77199	2.00E-71	174	184	94 +	9	189	21405	21588
UN52921	Rsa1.0_01358.1	444	47278	1.00E-156	336	350	96 +	87	436	7073	7417

UN52922	Rsa1.0.00343.1	733	93570	0	359	360	99 +	374	733	78541	78900
UN52923	Rsa1.0.00054.1	748	162053	0	632	688	91 -	54	716	122636	123311
UN52924	Rsa1.0.01370.1	822	47093	2.00E-82	156	156	100 +	2	157	8444	8599
UN52925	Rsa1.0.00623.1	750	207630	1.00E-115	232	239	97 -	244	482	14542	14780
UN52926	Rsa1.0.00301.1	725	365315	0	550	563	97 -	156	718	285946	286508
UN52927	Rsa1.0.00634.1	412	71222	1.00E-173	344	356	96 +	57	412	68472	68827
UN52928	Rsa1.0.00107.1	843	431659	0	747	763	97 -	73	830	14101	14863
UN52929	Rsa1.0.04556.1	729	16864	0	605	635	95 +	101	729	14910	15544
UN52930	Rsa1.0.00427.1	703	189678	1.00E-177	342	351	97 +	101	451	119995	120345
UN52931	Rsa1.0.00637.1	520	71038	0	403	416	96 -	105	520	2404	2817
UN52932	Rsa1.0.01556.1	816	163858	0	442	448	98 -	365	811	31188	31635
UN52933	Rsa1.0.03261.1	726	24281	5.00E-92	243	263	92 +	468	726	5213	5475
UN52934	Rsa1.0.14674.1	631	3167	0	510	540	94 -	69	595	2243	2779
UN52935	Rsa1.0.00251.1	716	303968	1.00E-140	283	292	96 +	423	712	82182	82473
UN52936	Rsa1.0.00121.1	793	278029	1.00E-137	319	335	95 +	5	334	112247	112579
UN52937	Rsa1.0.00710.1	349	67325	1.00E-167	336	346	97 +	2	346	44125	44469
UN52938	Rsa1.0.27848.1	857	837	1.00E-99	545	666	81 -	64	717	8	672
UN52939	Rsa1.0.00202.1	824	185895	1.00E-172	327	334	97 -	3	336	146141	146474
UN52940	Rsa1.0.00672.1	543	69358	0	505	556	90 -	16	543	38716	39271
UN52941	Rsa1.0.05076.1	433	14916	3.00E-73	152	156	97 -	73	228	13563	13718
UN52942	Rsa1.0.03898.1	742	20183	1.00E-177	355	368	96 +	368	735	5249	5613
UN52943	Rsa1.0.00894.1	339	269700	5.00E-56	114	115	99 -	108	222	132632	132746
UN52944	Rsa1.0.00301.1	809	365315	0	373	384	97 +	93	476	214375	214758
UN52945	Rsa1.0.00693.1	810	161311	0	782	824	94 +	2	810	36580	37403
UN52946	Rsa1.0.00139.1	729	357786	0	505	519	97 +	207	725	128624	129142
UN52947	Rsa1.0.00369.1	727	266462	1.00E-160	393	426	92 -	3	418	5290	5713
UN52948	Rsa1.0.05756.1	426	12725	4.00E-57	119	121	98 -	2	122	5408	5528
UN52949	Rsa1.0.03176.1	442	24801	9.00E-40	90	92	97 +	91	182	14776	14867
UN52950	Rsa1.0.07592.1	848	9059	1.00E-114	274	292	93 -	559	848	7965	8253
UN52951	Rsa1.0.05269.1	816	14311	0	774	817	94 +	16	816	5035	5849
UN52952	Rsa1.0.04500.1	256	17083	5.00E-40	116	125	92 +	55	175	6270	6393
UN52953	Rsa1.0.01845.1	652	38415	7.00E-63	144	151	95 +	338	488	6682	6832
UN52954	Rsa1.0.05204.1	230	14516	1.00E-37	102	110	92 -	3	105	7453	7562
UN52955	Rsa1.0.01727.1	779	40243	0	523	533	98 +	61	592	23645	24177
UN52956	Rsa1.0.01214.1	714	50599	1.00E-122	435	501	86 +	3	477	38506	38997
UN52957	Rsa1.0.00229.1	452	105471	1.00E-134	305	326	93 +	127	452	42642	42967
UN52958	Rsa1.0.00674.1	822	193753	1.00E-121	224	225	99 +	251	475	180927	181151
UN52959	Rsa1.0.03211.1	868	24591	0	433	475	91 +	219	672	7354	7828
UN52960	Rsa1.0.14318.1	762	3529	0	645	665	96 -	101	762	2633	3296

UN52961	Rsa1.0.00187.1	508	393093	1.00E-94	209	216	96 -	295	508	243460	243674
UN52962	Rsa1.0.01497.1	859	44559	0	809	838	96 +	1	833	10979	11811
UN52963	Rsa1.0.02754.1	513	28213	1.00E-153	301	310	97 -	120	429	8708	9017
UN52964	Rsa1.0.03450.1	781	22835	0	474	488	97 +	2	488	13510	13997
UN52965	Rsa1.0.00287.1	316	98687	4.00E-69	182	191	95 -	129	315	12901	13087
UN52966	Rsa1.0.01591.1	659	42718	9.00E-47	154	170	90 +	494	659	16746	16909
UN52967	Rsa1.0.01171.1	251	51752	1.00E-15	62	67	92 -	2	68	34071	34136
UN52968	Rsa1.0.19230.1	890	1460	1.00E-103	220	227	96 -	665	890	1046	1271
UN52969	Rsa1.0.02110.1	109	34919	2.00E-37	88	91	96 -	1	91	612	702
UN52970	Rsa1.0.00087.1	902	761073	5.00E-46	107	111	96 -	585	695	12141	12251
UN52971	Rsa1.0.07606.1	705	9035	1.00E-153	335	353	94 -	358	705	2793	3142
UN52972	Rsa1.0.00208.1	844	108565	0	515	524	98 -	3	525	104420	104943
UN52973	Rsa1.0.00787.1	787	64239	0	594	601	98 -	37	637	51832	52432
UN52974	Rsa1.0.02072.1	708	35401	1.00E-126	270	283	95 -	1	283	28825	29104
UN52975	Rsa1.0.01179.1	818	51549	0	754	787	95 +	41	818	21826	22609
UN52976	Rsa1.0.00314.1	809	96472	1.00E-125	302	325	92 +	1	316	73961	74284
UN52977	Rsa1.0.00384.1	749	89278	3.00E-87	176	180	97 +	508	687	81079	81258
UN52978	Rsa1.0.02681.1	639	28711	1.00E-135	262	268	97 -	207	474	6017	6284
UN52979	Rsa1.0.00003.1	750	340054	1.00E-167	341	353	96 +	401	750	4541	4893
UN52980	Rsa1.0.00139.1	559	357786	1.00E-153	404	443	91 -	134	559	16926	17368
UN52981	Rsa1.0.00858.1	141	61892	5.00E-54	126	131	96 +	11	140	16556	16686
UN52982	Rsa1.0.03304.1	735	23883	6.00E-76	148	149	99 +	280	428	8987	9135
UN52983	Rsa1.0.02118.1	834	34839	0	466	497	93 +	5	494	6126	6616
UN52984	Rsa1.0.00799.1	792	63918	0	618	652	94 -	160	787	38799	39447
UN52985	Rsa1.0.00960.1	889	58199	0	822	867	94 +	1	855	19109	19969
UN52986	Rsa1.0.01561.1	600	43227	4.00E-95	213	225	94 +	1	225	7180	7404
UN52987	Rsa1.0.01126.1	332	53127	1.00E-157	307	316	97 +	1	316	24471	24786
UN52988	Rsa1.0.10927.1	644	5675	0	587	616	95 -	1	615	285	900
UN52989	Rsa1.0.00823.1	749	62889	0	542	580	93 +	184	748	5743	6322
UN52990	Rsa1.0.01300.1	343	48942	1.00E-122	244	250	97 +	95	343	33179	33428
UN52991	Rsa1.0.07849.1	661	8425	1.00E-170	352	370	95 +	3	362	1255	1624
UN52992	Rsa1.0.02103.1	807	35006	0	474	500	94 -	23	519	34046	34545
UN52993	Rsa1.0.00434.1	832	85171	1.00E-100	243	262	92 -	22	279	9575	9830
UN52994	Rsa1.0.01724.1	890	40292	1.00E-137	311	328	94 +	531	855	19668	19995
UN52995	Rsa1.0.00028.1	864	293984	5.00E-83	243	270	90 -	3	263	23439	23697
UN52996	Rsa1.0.03133.1	821	25135	1.00E-162	320	330	96 +	1	330	16991	17320
UN52997	Rsa1.0.02671.1	766	28887	1.00E-180	348	357	97 -	113	466	13185	13541
UN52998	Rsa1.0.03640.1	619	21624	1.00E-130	269	280	96 -	118	397	18689	18968
UN52999	Rsa1.0.00001.1	674	363028	1.00E-142	311	329	94 +	181	500	323550	323878

UN53000	Rsa1.0_00061.1	691	218685	0	478	517	92 +	175	691	169427	169927
UN53001	Rsa1.0_01152.1	695	52264	1.00E-115	241	250	96 -	445	694	42726	42973
UN53002	Rsa1.0_00108.1	648	478491	1.00E-148	322	340	94 +	4	343	413048	413384
UN53003	Rsa1.0_00226.1	807	105884	0	459	484	94 +	324	807	84747	85218
UN53004	Rsa1.0_01434.1	755	45951	0	698	727	96 -	18	744	5714	6440
UN53005	Rsa1.0_02811.1	784	27669	9.00E-69	151	157	96 -	92	248	2342	2498
UN53006	Rsa1.0_00157.1	792	245832	2.00E-69	137	138	99 -	655	792	67696	67833
UN53007	Rsa1.0_23355.1	755	1055	0	408	418	97 +	5	421	1	416
UN53008	Rsa1.0_02287.1	818	32986	1.00E-106	267	283	94 +	538	814	8162	8443
UN53009	Rsa1.0_00451.1	530	322533	0	506	530	95 -	1	529	64918	65438
UN53010	Rsa1.0_00522.1	754	78103	0	723	753	96 +	2	754	16584	17336
UN53011	Rsa1.0_03971.1	876	19788	4.00E-74	183	193	94 +	661	849	19508	19700
UN53012	Rsa1.0_03377.1	737	23322	1.00E-120	244	252	96 +	405	656	16048	16299
UN53013	Rsa1.0_06002.1	817	11976	1.00E-120	294	321	91 -	198	518	7167	7475
UN53014	Rsa1.0_00064.1	246	240927	1.00E-65	193	211	91 -	11	220	63102	63310
UN53015	Rsa1.0_01549.1	212	43543	1.00E-107	212	217	97 +	1	212	14180	14396
UN53016	Rsa1.0_14305.1	831	3554	0	566	586	96 +	250	831	1354	1939
UN53017	Rsa1.0_03027.1	261	25883	6.00E-83	170	172	98 -	4	174	1628	1798
UN53018	Rsa1.0_02319.1	789	32580	1.00E-123	260	272	95 -	2	273	30439	30710
UN53019	Rsa1.0_00596.1	874	73578	4.00E-74	157	162	96 +	560	721	22940	23101
UN53020	Rsa1.0_04504.1	554	17069	9.00E-62	226	261	86 +	294	531	2573	2831
UN53021	Rsa1.0_00055.1	797	520193	1.00E-100	193	194	99 +	2	195	53181	53373
UN53022	Rsa1.0_00042.1	731	171507	0	396	420	94 -	297	704	71838	72257
UN53023	Rsa1.0_00501.1	753	79545	2.33E-156	295	306	96 +	197	502	67885	68190
UN53024	Rsa1.0_01609.1	871	42280	1.00E-120	237	243	97 +	72	314	5394	5636
UN53025	Rsa1.0_01220.1	551	161775	1.00E-82	199	207	96 +	312	514	117108	117312
UN53026	Rsa1.0_04307.1	794	18001	0	755	794	95 +	3	794	15266	16058
UN53027	Rsa1.0_01727.1	477	40243	1.00E-125	292	310	94 -	121	427	11214	11516
UN53028	Rsa1.0_00132.1	732	124299	0	678	728	93 +	2	713	45466	46186
UN53029	Rsa1.0_00002.1	649	601661	2.00E-91	183	187	97 +	217	403	255311	255497
UN53030	Rsa1.0_00722.1	888	66840	0	767	807	95 +	5	807	22140	22934
UN53031	Rsa1.0_00353.1	618	92242	2.00E-81	163	166	98 -	212	377	60394	60559
UN53032	Rsa1.0_03923.1	820	20057	1.00E-172	330	338	97 -	3	340	15499	15836
UN53033	Rsa1.0_00350.1	787	92346	1.00E-100	195	198	98 +	579	776	48364	48561
UN53034	Rsa1.0_00007.1	627	239325	1.00E-144	294	305	96 -	6	307	84686	84990
UN53035	Rsa1.0_00027.1	573	283362	0	558	576	96 -	1	573	66965	67537
UN53036	Rsa1.0_00067.1	637	415055	3.00E-65	142	147	96 -	169	315	39369	39515
UN53037	Rsa1.0_00243.1	715	103651	0	493	512	96 +	204	715	85850	86361
UN53038	Rsa1.0_01960.1	846	36766	1.00E-148	306	318	96 -	1	317	29700	30017

UN53039	Rsa1.0.02223.1	714	152421	1.00E-113	280	299	93 +	318	614	129665	129961
UN53040	Rsa1.0.01212.1	815	50622	1.00E-100	185	185	100 -	231	415	17488	17672
UN53041	Rsa1.0.05726.1	704	12809	1.00E-136	306	326	93 +	362	678	7169	7488
UN53042	Rsa1.0.00129.1	759	126831	0	722	733	98 +	28	759	122946	123678
UN53043	Rsa1.0.01281.1	787	49313	0	419	445	94 +	340	781	6610	7051
UN53044	Rsa1.0.01833.1	724	38555	1.00E-173	329	336	97 +	4	339	7080	7415
UN53045	Rsa1.0.00754.1	678	65689	0	508	552	92 +	131	678	59897	60430
UN53046	Rsa1.0.00092.1	539	659932	1.00E-114	274	287	95 -	256	539	509786	510066
UN53047	Rsa1.0.00075.1	749	146680	1.00E-163	337	352	95 -	103	454	18710	19061
UN53048	Rsa1.0.02223.1	744	152421	1.00E-158	292	295	98 -	118	412	19316	19610
UN53049	Rsa1.0.01081.1	616	499226	0	585	618	94 -	2	606	456338	456955
UN53050	Rsa1.0.00251.1	881	303968	1.00E-125	236	239	98 -	244	482	290985	291223
UN53051	Rsa1.0.00468.1	674	82095	0	475	524	90 -	3	502	36533	37056
UN53052	Rsa1.0.01896.1	392	37512	1.00E-172	377	396	95 -	2	392	8686	9080
UN53053	Rsa1.0.14748.1	872	3105	2.33E-156	272	275	98 +	296	570	1116	1390
UN53054	# # # # # # # # # # # # # # #										
UN53055	Rsa1.0.00028.1	737	293984	5.00E-61	126	128	98 -	347	474	21632	21759
UN53056	Rsa1.0.01853.1	729	147800	1.00E-131	262	270	97 +	460	729	128102	128371
UN53057	Rsa1.0.00734.1	581	66508	1.00E-127	242	246	98 +	336	581	13105	13350
UN53058	Rsa1.0.00579.1	398	148308	1.00E-173	375	394	95 -	6	398	66629	67019
UN53059	Rsa1.0.00336.1	816	445051	3.00E-93	189	194	97 +	383	576	217848	218041
UN53060	Rsa1.0.01220.1	710	161775	1.00E-144	322	342	94 -	44	382	128563	128895
UN53061	Rsa1.0.05755.1	717	12730	1.00E-116	244	256	95 +	3	248	5983	6238
UN53062	Rsa1.0.00743.1	767	177459	1.00E-143	281	289	97 +	4	292	165952	166240
UN53063	Rsa1.0.00284.1	688	323267	0	519	541	95 +	157	688	273139	273679
UN53064	Rsa1.0.00352.1	845	92266	1.00E-111	366	420	87 -	75	494	76874	77293
UN53065	Rsa1.0.08995.1	822	6722	1.00E-128	245	249	98 -	2	250	6470	6718
UN53066	Rsa1.0.33770.1	652	671	1.00E-137	313	336	93 -	314	632	148	482
UN53067	Rsa1.0.02224.1	723	33758	0	693	717	96 +	1	716	3838	4553
UN53068	Rsa1.0.06726.1	549	10460	1.00E-162	308	313	98 -	238	549	4344	4656
UN53069	Rsa1.0.00778.1	714	196751	0	586	606	96 -	109	714	180020	180624
UN53070	Rsa1.0.00829.1	776	158305	0	367	379	96 +	56	434	12319	12697
UN53071	Rsa1.0.04279.1	693	18113	1.00E-122	253	263	96 +	1	263	14321	14583
UN53072	Rsa1.0.01151.1	642	52268	8.00E-75	149	151	98 +	25	175	27941	28091
UN53073	Rsa1.0.00387.1	806	495407	0	480	519	92 -	12	510	1952	2468
UN53074	Rsa1.0.00249.1	726	153740	0	709	723	98 +	5	726	82799	83520
UN53075	Rsa1.0.01505.1	686	44382	8.00E-66	131	132	99 +	299	430	36671	36802
UN53076	Rsa1.0.00012.1	798	222148	1.00E-113	245	255	96 +	1	249	69122	69375
UN53077	Rsa1.0.00028.1	723	293984	0	632	658	96 +	2	659	228905	229558

UN53078	Rsa1.0.00060.1	758	502678	0	721	783	92 -	4	758	43735	44508
UN53079	Rsa1.0.00888.1	805	60978	0	773	807	95 +	6	805	16553	17338
UN53080	Rsa1.0.00067.1	769	415055	1.00E-171	359	376	95 +	394	767	210904	211279
UN53081	Rsa1.0.01424.1	789	46139	0	373	389	95 +	3	391	39544	39932
UN53082	Rsa1.0.06013.1	788	11931	0	733	789	92 +	1	788	2223	2979
UN53083	Rsa1.0.01638.1	787	41857	1.00E-168	329	339	97 +	83	421	36262	36600
UN53084	Rsa1.0.00012.1	541	222148	1.00E-134	301	320	94 -	146	464	10287	10599
UN53085	Rsa1.0.08867.1	851	6843	0	819	844	97 -	3	839	352	1195
UN53086	Rsa1.0.07056.1	766	9969	0	621	645	96 -	122	766	4133	4774
UN53087	Rsa1.0.00027.1	475	283362	0	462	474	97 +	2	475	183412	183885
UN53088	Rsa1.0.18696.1	641	1550	1.00E-113	257	275	93 +	3	277	997	1262
UN53089	Rsa1.0.00002.1	733	601661	0	706	732	96 +	2	733	415999	416730
UN53090	Rsa1.0.08741.1	690	6977	6.00E-76	151	153	98 +	129	281	5982	6134
UN53091	Rsa1.0.00077.1	392	145005	1.00E-173	376	396	94 +	2	391	126483	126878
UN53092	Rsa1.0.00085.1	646	142226	1.00E-103	313	354	88 -	26	379	132236	132589
UN53093	Rsa1.0.00080.1	769	190437	0	590	611	96 -	9	619	188970	189580
UN53094	#	#	#	#	#	#	#	#	#	#	#
UN53095	Rsa1.0.00019.1	811	301669	1.00E-172	338	348	97 +	3	350	17829	18173
UN53096	Rsa1.0.00002.1	658	601661	1.00E-132	281	295	95 -	1	295	558227	558521
UN53097	Rsa1.0.05496.1	765	13533	1.00E-132	249	252	98 +	193	444	10675	10926
UN53098	Rsa1.0.00380.1	731	89748	3.00E-68	159	168	94 -	255	422	24360	24527
UN53099	Rsa1.0.02651.1	748	29046	1.00E-126	266	278	95 +	137	414	27733	28010
UN53100	Rsa1.0.03794.1	680	20825	0	663	678	97 -	3	680	2538	3215
UN53101	Rsa1.0.00485.1	836	80937	0	566	585	96 -	243	827	16692	17276
UN53102	Rsa1.0.00995.1	840	57243	0	454	465	97 +	3	467	19467	19931
UN53103	Rsa1.0.02962.1	835	26419	1.00E-154	313	325	96 -	300	624	15344	15668
UN53104	Rsa1.0.02688.1	463	28644	1.00E-131	332	363	91 -	2	347	16214	16575
UN53105	Rsa1.0.02159.1	694	34471	1.00E-76	210	230	91 -	366	594	29994	30223
UN53106	Rsa1.0.03634.1	617	145192	1.00E-108	224	233	96 +	19	251	133676	133901
UN53107	Rsa1.0.03972.1	753	19787	1.00E-153	337	355	94 -	1	354	13644	13997
UN53108	Rsa1.0.00213.1	335	108167	3.00E-60	130	134	97 +	1	134	89384	89517
UN53109	Rsa1.0.00147.1	717	249503	1.00E-123	334	372	89 -	346	717	154707	155063
UN53110	Rsa1.0.01166.1	486	51877	1.00E-160	382	413	92 -	91	486	37811	38223
UN53111	Rsa1.0.04857.1	530	15703	0	498	536	92 +	1	530	11847	12376
UN53112	Rsa1.0.00701.1	489	67691	1.00E-115	307	336	91 -	1	333	23226	23558
UN53113	Rsa1.0.01838.1	353	38500	1.00E-78	155	157	98 +	197	353	3196	3352
UN53114	Rsa1.0.06288.1	201	11302	1.00E-52	123	129	95 -	14	142	10748	10876
UN53115	Rsa1.0.01326.1	106	48072	2.00E-12	80	93	86 +	15	106	43969	44061
UN53116	Rsa1.0.01635.1	577	41865	0	407	434	93 +	1	434	7373	7797

UN53117	Rsa1.0.02686.1	471	28666	1.00E-102	212	220	96 -	131	350	20524	20743
UN53118	Rsa1.0.01248.1	361	154103	1.00E-133	317	333	95 -	1	328	42881	43211
UN53119	Rsa1.0.04881.1	129	15608	2.00E-37	116	127	91 +	1	126	8322	8448
UN53120	Rsa1.0.17583.1	215	1791	1.00E-86	203	214	94 -	3	215	999	1211
UN53121	Rsa1.0.01239.1	317	50107	4.00E-69	165	175	94 -	1	175	18949	19120
UN53122	Rsa1.0.10640.1	135	5772	4.00E-36	119	133	89 -	1	133	1613	1745
UN53123	Rsa1.0.01997.1	293	158416	2.00E-58	165	178	92 -	3	179	7533	7707
UN53124	Rsa1.0.01300.1	761	48942	1.00E-163	358	377	94 -	3	378	27539	27911
UN53125	Rsa1.0.08553.1	176	7210	1.00E-36	102	106	96 +	55	160	261	363
UN53126	Rsa1.0.00189.1	182	111830	2.00E-84	176	182	96 +	1	182	55314	55495
UN53127	Rsa1.0.01903.1	150	37451	7.00E-44	108	114	94 +	37	150	14089	14202
UN53128	Rsa1.0.08607.1	538	7132	0	456	463	98 -	1	463	1119	1580
UN53129	Rsa1.0.00320.1	473	95784	2.33E-156	377	414	91 +	71	467	58590	58998
UN53130	Rsa1.0.04086.1	833	19166	0	504	535	94 +	2	532	10468	10999
UN53131	Rsa1.0.08434.1	373	7362	1.00E-41	108	115	93 -	208	322	6197	6311
UN53132	Rsa1.0.00964.1	719	316648	0	466	478	97 +	5	481	4008	4485
UN53133	Rsa1.0.03249.1	122	146254	2.00E-31	105	117	89 +	6	122	143241	143357
UN53134	Rsa1.0.09588.1	473	6267	2.00E-90	184	189	97 -	57	245	5926	6114
UN53135	Rsa1.0.08255.1	196	7652	5.00E-61	170	187	90 -	7	193	2790	2976
UN53136	Rsa1.0.03184.1	149	24750	9.00E-62	141	148	95 +	2	149	6844	6991
UN53137	Rsa1.0.02694.1	754	28610	0	502	524	95 +	230	753	9463	9986
UN53138	Rsa1.0.01662.1	774	41382	0	452	487	92 -	262	748	26599	27070
UN53139	Rsa1.0.09169.1	676	6589	3.00E-62	198	218	90 +	269	481	4958	5171
UN53140	Rsa1.0.00163.1	656	116847	1.00E-179	448	488	91 -	178	656	71730	72211
UN53141	Rsa1.0.01388.1	361	46741	1.00E-44	104	108	96 -	111	218	27619	27726
UN53142	Rsa1.0.00377.1	219	90038	7.00E-85	201	215	93 -	5	219	67079	67293
UN53143	Rsa1.0.05618.1	174	13165	8.00E-35	87	91	95 -	2	92	6173	6263
UN53144	Rsa1.0.13830.1	789	4249	1.00E-175	326	331	98 -	406	736	761	1091
UN53145	Rsa1.0.00789.1	795	64233	1.00E-114	280	302	92 +	176	468	43338	43637
UN53146	Rsa1.0.37242.1	736	605	1.00E-127	311	340	91 +	16	336	1	337
UN53147	Rsa1.0.00336.1	686	445051	0	520	566	91 +	5	547	219219	219780
UN53148	Rsa1.0.05491.1	127	13554	4.00E-45	110	116	94 +	8	123	7113	7228
UN53149	Rsa1.0.01884.1	747	37659	1.00E-178	346	355	97 +	3	357	14634	14986
UN53150	Rsa1.0.00485.1	639	80937	1.00E-156	326	339	96 -	2	333	5807	6145
UN53151	Rsa1.0.02931.1	535	26654	0	512	540	94 +	1	532	7033	7568
UN53152	Rsa1.0.11872.1	186	5384	1.00E-49	118	124	95 +	2	125	824	947
UN53153	Rsa1.0.00480.1	144	81325	4.00E-33	102	112	91 -	8	119	31679	31790
UN53154	Rsa1.0.00330.1	702	94666	1.00E-156	336	351	95 +	2	349	45452	45797
UN53155	Rsa1.0.00131.1	266	432233	3.00E-97	246	266	92 +	1	266	387724	387980

UN53156	Rsa1.0_15067.1	711	2854	0	512	531	96 +	6	533	735	1260
UN53157	Rsa1.0_00644.1	763	136881	1.00E-175	348	359	96 -	24	380	41427	41785
UN53158	Rsa1.0_00923.1	784	153678	8.00E-97	192	196	97 +	209	404	33743	33938
UN53159	Rsa1.0_04581.1	763	16772	4.00E-83	160	161	99 +	514	674	6049	6209
UN53160	Rsa1.0_00418.1	197	215377	2.00E-85	187	192	97 -	1	192	4369	4557
UN53161	Rsa1.0_00225.1	582	105892	0	496	526	94 +	44	568	97614	98133
UN53162	Rsa1.0_00425.1	137	147080	2.00E-62	133	137	97 -	1	137	87313	87449
UN53163	Rsa1.0_02022.1	847	35923	1.00E-147	313	328	95 -	1	328	14068	14394
UN53164	Rsa1.0_00398.1	346	88007	3.00E-88	191	199	95 +	1	196	10886	11084
UN53165	Rsa1.0_02608.1	585	29613	0	546	590	92 -	1	585	24003	24587
UN53166	Rsa1.0_00341.1	408	249309	3.00E-70	153	159	96 -	250	408	122736	122894
UN53167	Rsa1.0_01422.1	844	46172	4.00E-96	206	211	97 -	19	227	1	210
UN53168	Rsa1.0_00341.1	307	249309	7.00E-55	151	165	91 -	143	307	177417	177581
UN53169	Rsa1.0_00080.1	783	190437	5.00E-95	192	197	97 -	471	667	95024	95220
UN53170	Rsa1.0_03853.1	553	20447	1.00E-118	264	278	94 -	1	278	14042	14315
UN53171	Rsa1.0_00040.1	640	324196	3.00E-59	120	121	99 +	190	310	266210	266330
UN53172	Rsa1.0_00111.1	139	390088	2.00E-28	122	139	87 +	1	139	383679	383809
UN53173	Rsa1.0_01280.1	178	49321	1.00E-58	160	175	91 -	4	178	37170	37344
UN53174	Rsa1.0_03143.1	589	25024	0	567	594	95 -	3	589	12656	13248
UN53175	Rsa1.0_01581.1	576	42833	1.00E-151	324	339	95 +	7	344	32478	32815
UN53176	Rsa1.0_01101.1	524	54031	1.00E-152	276	277	99 +	2	278	25285	25561
UN53177	Rsa1.0_00888.1	301	60978	9.00E-39	94	98	95 -	1	98	56069	56166
UN53178	Rsa1.0_02802.1	750	27736	0	658	680	96 +	1	673	10030	10702
UN53179	Rsa1.0_00213.1	711	108167	0	679	712	95 +	1	708	34830	35540
UN53180	Rsa1.0_00197.1	690	109714	0	592	618	95 +	6	620	87941	88556
UN53181	Rsa1.0_00906.1	406	178966	1.00E-106	204	207	98 +	116	322	120722	120928
UN53182	Rsa1.0_01146.1	842	163455	0	419	425	98 -	1	425	160805	161229
UN53183	Rsa1.0_01397.1	144	183276	7.00E-41	117	126	92 -	23	144	17145	17269
UN53184	Rsa1.0_02860.1	864	27207	0	399	403	99 +	1	403	868	1270
UN53185	Rsa1.0_01641.1	838	188213	0	814	837	97 +	2	838	30770	31606
UN53186	Rsa1.0_07014.1	590	10029	0	570	590	96 -	1	590	8439	9024
UN53187	Rsa1.0_01390.1	782	46695	1.00E-151	313	323	96 +	1	322	36896	37215
UN53188	Rsa1.0_07753.1	832	8637	0	618	636	97 -	1	636	7433	8062
UN53189	Rsa1.0_00116.1	617	365886	1.00E-150	337	359	93 -	235	593	20143	20498
UN53190	Rsa1.0_09434.1	638	6371	1.00E-149	284	288	98 -	1	288	1878	2164
UN53191	Rsa1.0_00089.1	562	406142	0	353	361	97 +	1	361	390293	390652
UN53192	Rsa1.0_14001.1	327	3933	3.00E-63	144	151	95 -	1	151	2406	2556
UN53193	Rsa1.0_00722.1	694	66840	1.00E-149	303	315	96 -	231	545	41419	41733
UN53194	Rsa1.0_01881.1	182	37721	3.00E-74	171	181	94 +	1	181	7936	8116

UN53195	Rsa1.0.02710.1	778	28492	1.00E-166	354	371	95 +	1	367	23167	23533
UN53196	Rsa1.0.06356.1	152	11178	6.00E-32	129	145	88 +	7	149	8813	8955
UN53197	Rsa1.0.00380.1	510	89748	4.00E-82	222	242	91 -	5	241	8474	8712
UN53198	Rsa1.0.03550.1	305	22154	1.00E-157	299	305	98 +	1	305	7710	8014
UN53199	Rsa1.0.03681.1	737	21405	0	715	747	95 +	1	737	721	1463
UN53200	Rsa1.0.04961.1	593	15316	0	448	465	96 +	131	593	14236	14700
UN53201	Rsa1.0.00347.1	937	93048	1.00E-179	386	405	95 -	27	425	12000	12401
UN53202	Rsa1.0.03781.1	850	20891	1.00E-119	287	304	94 -	1	299	4225	4526
UN53203	Rsa1.0.08846.1	415	6867	2.00E-99	264	285	92 +	4	284	4030	4300
UN53204	Rsa1.0.02152.1	693	34558	0	650	699	92 -	2	689	26485	27174
UN53205	Rsa1.0.02642.1	616	29181	0	589	617	95 -	1	616	13621	14237
UN53206	Rsa1.0.00025.1	375	277312	1.00E-137	340	363	93 -	1	361	65364	65721
UN53207	Rsa1.0.00917.1	830	182012	0	498	514	96 +	317	830	128772	129284
UN53208	Rsa1.0.00194.1	779	110851	0	632	660	95 -	1	647	54321	54979
UN53209	Rsa1.0.06772.1	205	10387	5.00E-55	183	210	87 -	8	205	5988	6197
UN53210	Rsa1.0.02165.1	521	34423	1.00E-157	314	325	96 +	8	332	5018	5342
UN53211	Rsa1.0.04928.1	744	15420	1.00E-148	297	307	96 +	1	307	9575	9881
UN53212	Rsa1.0.06990.1	731	10060	0	670	750	89 -	5	731	4616	5337
UN53213	Rsa1.0.16078.1	788	2294	0	767	788	97 +	1	788	222	1003
UN53214	Rsa1.0.01790.1	135	39248	7.00E-47	125	135	92 -	1	135	16301	16435
UN53215	Rsa1.0.01145.1	844	149247	1.00E-127	314	340	92 +	505	844	103564	103898
UN53216	Rsa1.0.00623.1	769	207630	1.00E-150	279	282	98 -	488	769	175969	176250
UN53217	Rsa1.0.00019.1	456	301669	1.00E-69	137	138	99 -	198	335	182425	182562
UN53218	Rsa1.0.00387.1	716	495407	1.00E-124	313	336	93 +	34	361	354553	354884
UN53219	Rsa1.0.00645.1	703	189716	2.00E-75	159	164	96 +	23	186	20419	20582
UN53220	Rsa1.0.61764.1	781	371	0	359	371	96 -	387	757	1	371
UN53221	Rsa1.0.01006.1	749	163670	1.00E-124	232	234	99 -	1	234	10409	10642
UN53222	Rsa1.0.00115.1	461	131321	2.00E-68	156	164	95 -	176	339	36126	36289
UN53223	Rsa1.0.00415.1	309	86795	6.00E-80	207	224	92 -	1	219	6755	6978
UN53224	Rsa1.0.03506.1	411	22416	1.00E-167	374	395	94 -	20	410	8475	8866
UN53225	Rsa1.0.01768.1	140	138463	4.00E-45	110	116	94 -	25	140	1021	1136
UN53226	Rsa1.0.00367.1	106	90750	1.00E-35	79	80	98 +	27	106	43521	43600
UN53227	Rsa1.0.22132.1	430	1147	0	411	427	96 -	1	427	452	877
UN53228	Rsa1.0.00177.1	725	143394	1.00E-167	347	362	95 +	29	384	104501	104862
UN53229	Rsa1.0.06653.1	578	10596	0	549	576	95 -	6	578	2458	3030
UN53230	Rsa1.0.35816.1	820	631	1.00E-130	239	240	99 +	2	241	392	631
UN53231	Rsa1.0.01314.1	840	48365	0	662	708	93 +	131	838	16748	17454
UN53232	Rsa1.0.08568.1	516	7186	0	484	508	95 -	9	516	2374	2878
UN53233	Rsa1.0.02020.1	595	173211	1.00E-98	211	219	96 +	1	219	162289	162506

UN53234	Rsa1.0.02329.1	234	32474	3.00E-90	218	233	93 -	4	234	10586	10815
UN53235	Rsa1.0.01104.1	418	285480	0	391	406	96 +	8	413	263889	264293
UN53236	Rsa1.0.47144.1	438	479	1.00E-91	192	199	96 +	240	438	179	377
UN53237	Rsa1.0.02252.1	664	33375	1.00E-106	219	227	96 +	92	318	27556	27782
UN53238	Rsa1.0.04756.1	705	16114	0	670	705	95 -	1	705	8767	9471
UN53239	Rsa1.0.00321.1	895	95671	1.00E-40	176	206	85 -	528	733	44677	44882
UN53240	Rsa1.0.00080.1	794	190437	0	700	749	93 +	49	794	104336	105064
UN53241	Rsa1.0.01978.1	611	36546	0	583	609	95 +	6	611	8480	9076
UN53242	Rsa1.0.02813.1	781	27656	0	769	794	96 +	1	781	10549	11342
UN53243	Rsa1.0.00002.1	227	601661	4.00E-77	196	208	94 +	20	227	81703	81904
UN53244	Rsa1.0.00428.1	751	85599	0	646	678	95 +	74	751	80003	80680
UN53245	Rsa1.0.01251.1	783	49873	0	750	785	95 -	3	783	36550	37334
UN53246	Rsa1.0.06460.1	474	10974	0	370	380	97 -	1	380	4592	4971
UN53247	Rsa1.0.00008.1	375	358124	1.00E-69	170	178	95 -	4	179	39412	39588
UN53248	Rsa1.0.07441.1	171	9388	3.00E-62	130	133	97 +	39	171	3381	3513
UN53249	Rsa1.0.00341.1	602	249309	0	575	603	95 +	3	601	3237	3839
UN53250	Rsa1.0.02144.1	452	34630	0	434	450	96 -	4	452	3060	3507
UN53251	Rsa1.0.08607.1	743	7132	1.00E-156	291	295	98 -	266	560	5978	6272
UN53252	Rsa1.0.02928.1	784	26680	1.00E-134	287	298	96 +	1	297	7314	7608
UN53253	Rsa1.0.00029.1	429	272992	1.00E-149	301	312	96 +	1	312	143322	143633
UN53254	Rsa1.0.08001.1	763	8095	0	513	531	96 -	237	763	7528	8058
UN53255	Rsa1.0.00880.1	867	61271	0	752	794	94 -	77	867	47373	48162
UN53256	Rsa1.0.00494.1	907	79967	0	595	616	96 -	295	907	20942	21556
UN53257	Rsa1.0.00268.1	781	101470	1.00E-127	270	285	94 -	2	286	41310	41583
UN53258	Rsa1.0.00080.1	133	190437	4.00E-51	127	134	94 +	1	133	19456	19589
UN53259	Rsa1.0.00058.1	863	159921	1.00E-140	301	313	96 -	12	324	51767	52076
UN53260	Rsa1.0.02248.1	308	33414	1.00E-154	300	308	97 +	1	308	7194	7501
UN53261	Rsa1.0.00728.1	827	66704	0	430	458	93 -	370	827	36120	36568
UN53262	Rsa1.0.02734.1	100	28344	3.00E-20	53	54	98 -	3	56	2787	2840
UN53263	Rsa1.0.00341.1	233	249309	2.00E-57	211	236	89 +	1	230	128458	128687
UN53264	Rsa1.0.02767.1	527	28111	1.00E-180	486	538	90 +	1	526	9273	9792
UN53265	Rsa1.0.00124.1	280	262503	1.00E-140	273	280	97 -	1	280	86016	86295
UN53266	Rsa1.0.10743.1	741	5737	3.00E-68	188	206	91 +	180	385	5219	5421
UN53267	Rsa1.0.00218.1	253	201480	1.00E-105	241	253	95 +	1	249	45469	45721
UN53268	Rsa1.0.00398.1	266	88007	1.00E-109	249	265	93 -	1	264	86714	86970
UN53269	Rsa1.0.00217.1	801	107079	1.00E-101	202	207	97 -	153	359	58697	58903
UN53270	Rsa1.0.14821.1	728	3044	0	340	345	98 -	297	641	890	1234
UN53271	Rsa1.0.00321.1	416	95671	1.00E-115	277	296	93 -	7	297	40675	40969
UN53272	Rsa1.0.00060.1	596	502678	8.00E-75	167	175	95 -	159	333	495990	496164

UN53273	Rsa1.0.08888.1	673	6824	1.00E-103	221	231	95 -	298	528	975	1205
UN53274	Rsa1.0.01085.1	368	54539	1.00E-159	347	366	94 -	9	368	15840	16197
UN53275	Rsa1.0.00399.1	822	242951	0	458	472	97 -	351	822	73160	73631
UN53276	Rsa1.0.00047.1	360	168582	1.00E-78	240	266	90 +	1	254	56357	56622
UN53277	Rsa1.0.00356.1	825	91521	1.00E-126	317	342	92 -	1	341	57383	57722
UN53278	Rsa1.0.31902.1	578	715	1.00E-103	227	238	95 +	78	313	3	240
UN53279	Rsa1.0.00192.1	118	278200	3.00E-36	104	113	92 -	1	113	19747	19859
UN53280	Rsa1.0.00090.1	856	273859	0	396	414	95 +	1	407	241876	242289
UN53281	Rsa1.0.00190.1	837	318240	1.00E-157	366	390	93 +	1	385	211867	212253
UN53282	Rsa1.0.04098.1	142	19078	7.00E-41	114	121	94 +	1	119	11275	11395
UN53283	Rsa1.0.03149.1	199	24983	7.00E-51	108	110	98 +	90	199	19482	19591
UN53284	Rsa1.0.08779.1	693	6929	1.00E-138	281	290	96 -	23	312	2977	3265
UN53285	Rsa1.0.00610.1	628	72740	0	607	628	96 +	1	628	68427	69051
UN53286	Rsa1.0.09068.1	665	6671	2.33E-156	283	290	97 +	364	653	4145	4434
UN53287	Rsa1.0.01049.1	740	55655	1.00E-109	225	231	97 +	1	230	33862	34090
UN53288	Rsa1.0.13699.1	723	4460	0	446	452	98 -	254	705	3033	3484
UN53289	Rsa1.0.02209.1	328	33873	1.00E-69	149	154	96 +	175	328	27048	27201
UN53290	Rsa1.0.00512.1	748	200277	0	421	431	97 -	318	748	17188	17618
UN53291	Rsa1.0.00033.1	622	515811	0	413	433	95 +	1	432	366405	366835
UN53292	Rsa1.0.00667.1	696	69460	0	541	557	97 +	13	569	23995	24549
UN53293	Rsa1.0.00457.1	141	337301	6.00E-29	99	109	90 +	39	141	288748	288856
UN53294	Rsa1.0.11948.1	700	5363	1.00E-120	258	270	95 +	2	271	3913	4180
UN53295	Rsa1.0.01701.1	350	162121	3.00E-11	57	64	89 -	271	334	9316	9379
UN53296	Rsa1.0.00247.1	111	103408	7.00E-31	102	112	91 +	1	111	64843	64954
UN53297	Rsa1.0.01036.1	508	55978	1.00E-176	387	411	94 +	98	508	48120	48527
UN53298	Rsa1.0.06229.1	783	11439	0	386	399	96 -	1	399	9687	10083
UN53299	Rsa1.0.13438.1	730	4828	4.00E-89	234	256	91 +	52	299	967	1221
UN53300	Rsa1.0.00708.1	523	67366	0	503	520	96 +	4	523	53420	53939
UN53301	Rsa1.0.00374.1	554	165738	0	471	496	94 -	54	544	95095	95589
UN53302	Rsa1.0.14044.1	863	3872	0	814	843	96 +	25	863	2228	3066
UN53303	Rsa1.0.00486.1	514	80875	1.00E-141	319	339	94 -	187	514	13862	14200
UN53304	Rsa1.0.00855.1	840	62047	0	460	471	97 -	358	828	13073	13543
UN53305	#	#	#	#	#	#	#	#	#	#	#
UN53306	Rsa1.0.02725.1	147	28404	2.00E-38	132	147	89 -	1	144	8012	8157
UN53307	#	#	#	#	#	#	#	#	#	#	#
UN53308	Rsa1.0.00073.1	125	240924	3.00E-21	64	68	94 +	4	71	97764	97831
UN53309	Rsa1.0.03225.1	894	24500	0	470	497	94 -	1	497	14578	15059
UN53310	Rsa1.0.04254.1	499	18258	9.00E-99	198	203	97 +	220	422	5539	5741
UN53311	Rsa1.0.03290.1	425	24011	1.00E-122	266	278	95 -	7	283	18991	19267

UN53312	Rsa1.0.01266.1	720	49680	0	703	736	95 -	2	720	13042	13777
UN53313	Rsa1.0.00045.1	784	328694	0	431	451	95 +	5	454	163335	163781
UN53314	Rsa1.0.06150.1	759	11614	0	656	699	93 -	32	730	10766	11464
UN53315	Rsa1.0.00045.1	593	328694	1.00E-103	215	222	96 -	1	222	232551	232771
UN53316	Rsa1.0.01675.1	742	41155	3.00E-62	140	146	95 +	537	682	9126	9271
UN53317	Rsa1.0.03929.1	645	19994	0	354	365	96 -	280	644	15872	16236
UN53318	Rsa1.0.02457.1	763	31208	1.00E-142	302	315	95 -	3	315	12120	12433
UN53319	Rsa1.0.14660.1	893	3181	1.00E-135	256	260	98 -	567	826	1002	1261
UN53320	Rsa1.0.13580.1	558	4711	4.00E-67	160	170	94 -	185	354	4004	4173
UN53321	Rsa1.0.00910.1	132	59975	5.00E-17	67	73	91 +	19	91	55827	55898
UN53322	Rsa1.0.01295.1	277	49040	1.00E-121	265	278	95 -	3	277	21462	21738
UN53323	Rsa1.0.00978.1	771	57739	0	482	498	96 -	17	511	39107	39599
UN53324	Rsa1.0.35884.1	636	630	1.00E-102	228	240	95 -	53	292	393	630
UN53325	Rsa1.0.00212.1	571	108350	1.00E-118	277	297	93 +	12	295	59983	60278
UN53326	Rsa1.0.00609.1	747	72785	1.00E-153	347	370	93 +	1	364	60339	60702
UN53327	Rsa1.0.00176.1	544	240984	1.00E-166	362	384	94 +	8	391	205291	205674
UN53328	Rsa1.0.00179.1	819	393324	1.00E-160	349	368	94 -	17	383	40210	40569
UN53329	Rsa1.0.00017.1	804	752458	1.00E-163	300	303	99 +	484	786	686521	686823
UN53330	Rsa1.0.01957.1	692	36844	1.00E-70	188	204	92 -	2	205	23850	24042
UN53331	Rsa1.0.00674.1	713	193753	3.00E-84	339	393	86 -	3	371	184230	184614
UN53332	Rsa1.0.01696.1	229	301850	2.00E-88	214	229	93 +	1	229	159107	159334
UN53333	Rsa1.0.01068.1	764	55208	1.00E-166	341	353	96 +	1	347	28196	28548
UN53334	Rsa1.0.00017.1	108	752458	8.00E-12	67	76	88 -	33	108	314170	314244
UN53335	#	#	#	#	#	#	#	#	#	#	#
UN53336	Rsa1.0.05467.1	700	13649	1.00E-165	327	338	96 +	363	700	8745	9082
UN53337	Rsa1.0.02966.1	112	135126	7.00E-34	108	121	89 -	1	112	17972	18092
UN53338	Rsa1.0.00440.1	624	84723	0	603	622	96 -	3	624	31911	32532
UN53339	Rsa1.0.01924.1	671	37226	2.00E-94	185	188	98 -	395	582	16997	17184
UN53340	Rsa1.0.00363.1	666	90968	1.00E-119	245	253	96 -	51	302	31971	32223
UN53341	Rsa1.0.01015.1	112	56752	3.00E-33	81	84	96 -	29	112	9327	9410
UN53342	Rsa1.0.07601.1	719	9051	0	660	688	95 -	29	716	1486	2173
UN53343	Rsa1.0.03330.1	910	23671	1.00E-159	327	341	95 -	1	341	11643	11979
UN53344	Rsa1.0.00059.1	928	159650	0	785	823	95 -	35	844	63397	64217
UN53345	Rsa1.0.00108.1	655	478491	0	635	661	96 -	1	654	162789	163447
UN53346	Rsa1.0.01146.1	533	163455	1.00E-101	202	207	97 -	251	457	24783	24989
UN53347	Rsa1.0.02157.1	135	149652	7.00E-47	122	130	93 -	6	135	11836	11963
UN53348	Rsa1.0.09397.1	736	6396	0	575	622	92 +	118	736	5580	6194
UN53349	Rsa1.0.00855.1	553	62047	2.00E-87	173	176	98 +	167	342	4352	4527
UN53350	Rsa1.0.01814.1	203	38917	2.00E-63	159	171	92 -	1	171	21256	21426

UN53351	Rsa1.0.00964.1	761	316648	0	413	436	94 +	6	434	143591	144023
UN53352	Rsa1.0.01838.1	300	38500	1.00E-121	274	292	93 -	9	300	17551	17842
UN53353	Rsa1.0.02315.1	776	32618	1.00E-100	240	258	93 -	1	255	6932	7183
UN53354	Rsa1.0.00639.1	660	165873	0	621	662	93 -	1	654	112575	113235
UN53355	Rsa1.0.01182.1	709	167304	1.00E-49	107	109	98 -	441	549	13263	13371
UN53356	Rsa1.0.00977.1	818	198001	1.00E-138	312	332	93 +	42	372	32057	32382
UN53357	Rsa1.0.00002.1	758	601661	0	732	754	97 +	4	755	277905	278656
UN53358	Rsa1.0.26360.1	463	895	0	446	463	96 +	1	463	17	479
UN53359	Rsa1.0.00339.1	207	222974	5.00E-92	198	207	95 -	1	207	90651	90857
UN53360	Rsa1.0.05079.1	663	14905	0	570	584	97 -	1	583	10532	11115
UN53361	Rsa1.0.00923.1	856	153678	0	448	476	94 +	32	501	38687	39160
UN53362	Rsa1.0.00838.1	787	153820	0	608	634	95 -	1	630	14022	14651
UN53363	Rsa1.0.00079.1	562	606987	1.00E-152	324	340	95 -	2	331	22253	22591
UN53364	Rsa1.0.13633.1	237	4605	1.00E-28	89	97	91 -	61	157	1462	1558
UN53365	Rsa1.0.30387.1	857	755	3.00E-90	175	177	98 +	499	675	313	489
UN53366	Rsa1.0.37325.1	701	604	0	521	547	95 +	169	701	1	547
UN53367	Rsa1.0.00006.1	589	396176	1.00E-151	459	519	88 -	101	589	329226	329742
UN53368	Rsa1.0.11907.1	297	5374	1.00E-141	286	297	96 -	1	297	1134	1430
UN53369	Rsa1.0.01580.1	740	42852	1.00E-135	352	388	90 -	11	391	40018	40392
UN53370	Rsa1.0.01370.1	409	47093	0	388	403	96 -	7	409	6103	6505
UN53371	Rsa1.0.25768.1	648	921	0	405	413	98 -	1	412	192	604
UN53372	Rsa1.0.05122.1	614	14791	0	578	611	94 -	11	614	1147	1757
UN53373	Rsa1.0.00457.1	508	337301	0	418	431	96 -	1	431	142257	142686
UN53374	Rsa1.0.00054.1	735	162053	1.00E-119	227	230	98 +	1	230	120000	120229
UN53375	Rsa1.0.16832.1	631	2019	1.00E-156	306	315	97 -	20	334	122	436
UN53376	Rsa1.0.00301.1	664	365315	0	650	664	97 +	1	664	284261	284924
UN53377	Rsa1.0.01018.1	840	56685	1.00E-123	250	257	97 +	3	259	53702	53957
UN53378	Rsa1.0.04556.1	459	16864	1.00E-109	222	229	96 -	231	459	16352	16580
UN53379	Rsa1.0.00427.1	748	189678	1.00E-137	339	365	92 -	2	363	121623	121979
UN53380	Rsa1.0.00342.1	786	93695	1.00E-125	285	307	92 -	3	309	1568	1861
UN53381	Rsa1.0.01556.1	812	163858	0	422	434	97 +	5	438	29979	30412
UN53382	Rsa1.0.04563.1	692	16837	4.00E-55	125	130	96 -	270	399	15762	15891
UN53383	Rsa1.0.00437.1	114	84879	9.00E-49	110	114	96 -	1	114	39675	39788
UN53384	Rsa1.0.00121.1	804	278029	1.00E-120	252	263	95 -	318	580	114461	114723
UN53385	Rsa1.0.03048.1	791	25777	0	632	655	96 +	138	791	1	655
UN53386	Rsa1.0.03898.1	531	20183	0	489	515	94 -	3	515	6005	6513
UN53387	Rsa1.0.02435.1	335	31454	2.00E-92	184	188	97 -	3	190	20980	21167
UN53388	Rsa1.0.01434.1	347	45951	9.00E-61	239	275	86 -	73	344	8064	8323
UN53389	Rsa1.0.00111.1	859	390088	1.00E-142	406	449	90 -	17	455	274816	275249

UN53390	Rsa1.0.05161.1	442	14631	1.00E-109	234	245	95 +	167	411	12	256
UN53391	Rsa1.0.07592.1	764	9059	0	432	454	95 +	3	453	7154	7607
UN53392	Rsa1.0.09661.1	131	6226	9.00E-40	120	131	91 -	1	131	103	232
UN53393	Rsa1.0.33032.1	182	688	7.00E-63	137	142	96 +	41	182	2	143
UN53394	Rsa1.0.01513.1	487	44234	1.00E-177	396	422	93 -	15	436	29142	29562
UN53395	Rsa1.0.00228.1	825	105511	0	476	484	98 -	1	484	82494	82977
UN53396	Rsa1.0.01829.1	795	166063	0	764	798	95 -	1	795	160988	161779
UN53397	Rsa1.0.01373.1	526	47052	0	509	526	96 -	1	526	31526	32051
UN53398	Rsa1.0.00635.1	487	175826	1.00E-114	276	296	93 +	53	345	14112	14407
UN53399	Rsa1.0.01497.1	733	44559	0	573	601	95 -	13	605	11877	12472
UN53400	#	#	#	#	#	#	#	#	#	#	#
UN53401	Rsa1.0.00314.1	887	96472	0	552	588	93 -	3	575	74917	75504
UN53402	Rsa1.0.03304.1	930	23883	0	511	561	91 -	4	545	10759	11306
UN53403	Rsa1.0.00228.1	764	105511	0	743	775	95 -	1	764	98048	98822
UN53404	Rsa1.0.02051.1	727	35564	6.00E-82	164	167	98 -	159	325	25313	25479
UN53405	Rsa1.0.00369.1	697	266462	3.00E-93	195	202	96 +	345	546	20557	20758
UN53406	Rsa1.0.00799.1	769	63918	0	631	653	96 +	118	769	38067	38712
UN53407	Rsa1.0.02633.1	796	29315	1.00E-176	387	410	94 +	13	410	365	771
UN53408	Rsa1.0.00331.1	400	176754	2.00E-92	214	228	93 -	8	235	159068	159295
UN53409	Rsa1.0.00067.1	104	415055	2.00E-21	74	80	92 -	7	85	227361	227440
UN53410	Rsa1.0.02103.1	778	35006	1.00E-140	273	279	97 +	77	353	32505	32783
UN53411	Rsa1.0.01151.1	418	52268	1.00E-131	295	314	93 +	1	314	26322	26635
UN53412	Rsa1.0.00718.1	352	279335	1.00E-164	337	352	95 -	1	352	34472	34823
UN53413	Rsa1.0.01563.1	325	170823	1.00E-143	303	318	95 -	1	318	38976	39293
UN53414	Rsa1.0.00906.1	756	178966	0	521	553	94 -	48	599	131970	132503
UN53415	Rsa1.0.03640.1	655	21624	1.00E-67	143	147	97 +	342	488	17750	17896
UN53416	Rsa1.0.00065.1	725	454616	1.00E-141	270	275	98 +	381	655	39827	40101
UN53417	Rsa1.0.01691.1	883	40921	1.00E-127	273	284	96 -	1	281	5888	6168
UN53418	Rsa1.0.00964.1	161	316648	2.00E-41	141	157	89 +	13	161	167634	167790
UN53419	Rsa1.0.00226.1	470	105884	0	442	463	95 -	1	462	85347	85805
UN53420	Rsa1.0.00157.1	183	245832	2.00E-60	163	175	93 +	4	174	67514	67686
UN53421	Rsa1.0.00267.1	185	101509	4.00E-46	165	186	88 +	1	185	67842	68026
UN53422	Rsa1.0.71908.1	175	319	2.00E-35	108	116	93 +	54	168	201	315
UN53423	Rsa1.0.00188.1	717	112020	0	698	720	96 -	2	717	22851	23570
UN53424	Rsa1.0.08170.1	208	7799	1.00E-67	182	198	91 +	11	208	1720	1916
UN53425	Rsa1.0.14305.1	917	3554	0	905	916	98 -	1	915	1853	2765
UN53426	Rsa1.0.00006.1	335	396176	1.00E-114	298	326	91 +	10	335	307780	308100
UN53427	Rsa1.0.00042.1	568	171507	1.00E-112	290	316	91 +	2	300	70658	70972
UN53428	Rsa1.0.01016.1	544	181422	1.00E-158	363	395	91 -	171	544	158361	158755

UN53429	Rsa1.0.01609.1	752	42280	0	571	588	97 -	165	752	7290	7877
UN53430	Rsa1.0.01611.1	119	42269	1.00E-44	113	119	94 +	1	119	4306	4423
UN53431	Rsa1.0.00132.1	733	124299	0	496	516	96 -	2	505	46181	46696
UN53432	Rsa1.0.02189.1	208	34098	2.00E-85	193	204	94 -	1	204	2131	2334
UN53433	Rsa1.0.00722.1	899	66840	0	849	925	91 -	2	896	23696	24603
UN53434	Rsa1.0.00545.1	157	189649	3.00E-37	97	103	94 -	1	103	13021	13123
UN53435	Rsa1.0.00642.1	848	201230	0	456	472	96 +	1	472	5795	6264
UN53436	Rsa1.0.00243.1	520	103651	0	471	494	95 -	3	493	86585	87069
UN53437	Rsa1.0.01960.1	822	36766	0	417	437	95 +	5	437	27493	27929
UN53438	Rsa1.0.02152.1	703	34558	0	349	352	99 +	1	352	14515	14866
UN53439	Rsa1.0.01833.1	680	38555	1.00E-143	339	363	93 -	7	366	11566	11926
UN53440	Rsa1.0.04789.1	144	15981	5.00E-57	136	144	94 +	1	144	11139	11282
UN53441	Rsa1.0.00005.1	337	353093	1.00E-133	321	347	92 -	1	337	342641	342984
UN53442	Rsa1.0.00497.1	135	79830	1.00E-17	105	121	86 -	7	126	54497	54614
UN53443	Rsa1.0.04512.1	659	17031	1.00E-171	368	389	94 +	4	392	12559	12943
UN53444	Rsa1.0.03504.1	726	22443	1.00E-169	357	371	96 -	1	369	10641	11007
UN53445	Rsa1.0.00429.1	166	85559	5.00E-39	121	134	90 -	33	166	61509	61642
UN53446	Rsa1.0.00379.1	609	89865	3.00E-77	162	167	97 +	222	388	86615	86781
UN53447	Rsa1.0.02299.1	177	32857	7.00E-26	81	88	92 -	77	164	22603	22690
UN53448	Rsa1.0.00630.1	785	71281	1.00E-178	352	364	96 +	345	708	61583	61946
UN53449	Rsa1.0.00778.1	797	196751	0	768	809	94 +	2	797	179029	179837
UN53450	Rsa1.0.01151.1	616	52268	0	589	626	94 -	1	616	29993	30609
UN53451	Rsa1.0.00866.1	111	61676	5.00E-47	107	111	96 -	1	111	9702	9812
UN53452	Rsa1.0.00064.1	258	240927	1.00E-37	106	114	92 -	5	115	30039	30152
UN53453	Rsa1.0.00034.1	530	260119	1.00E-126	257	265	96 -	265	528	54691	54955
UN53454	Rsa1.0.01934.1	172	37162	2.00E-66	156	162	96 +	15	172	3579	3739
UN53455	Rsa1.0.00060.1	762	502678	0	727	750	96 +	14	762	42866	43611
UN53456	Rsa1.0.00888.1	851	60978	0	469	484	96 -	2	485	19314	19791
UN53457	Rsa1.0.01424.1	931	46139	0	400	424	94 -	3	426	42149	42571
UN53458	Rsa1.0.03831.1	256	20579	1.00E-93	183	186	98 +	1	186	18235	18420
UN53459	Rsa1.0.00002.1	737	601661	0	716	739	96 -	1	737	416807	417545
UN53460	Rsa1.0.07598.1	629	9054	1.00E-85	182	189	96 -	292	480	1664	1852
UN53461	Rsa1.0.03771.1	288	20942	1.00E-101	255	275	92 +	1	261	10940	11212
UN53462	Rsa1.0.00457.1	379	337301	8.00E-40	87	88	98 +	171	258	129651	129738
UN53463	Rsa1.0.00002.1	924	601661	1.00E-133	269	278	96 +	600	877	556110	556387
UN53464	Rsa1.0.02955.1	381	26484	1.00E-44	122	132	92 -	240	371	20929	21060
UN53465	Rsa1.0.00079.1	767	606987	1.00E-89	203	212	95 +	2	212	40434	40644
UN53466	Rsa1.0.00380.1	794	89748	0	516	556	92 +	6	557	22255	22793
UN53467	Rsa1.0.00341.1	186	249309	2.00E-38	139	156	89 +	32	186	221644	221792

UN53468	Rsa1.0.05864.1	405	12387	3.00E-36	84	86	97 +	208	293	10255	10340
UN53469	Rsa1.0.70998.1	423	323	1.00E-134	307	325	94 +	2	324	1	323
UN53470	Rsa1.0.00384.1	367	89278	1.00E-163	339	354	95 -	15	367	74009	74362
UN53471	Rsa1.0.03329.1	567	23676	0	546	564	96 -	4	567	22529	23092
UN53472	Rsa1.0.05081.1	769	136103	5.00E-86	203	214	94 +	128	338	7886	8095
UN53473	Rsa1.0.00168.1	206	115870	5.00E-55	133	141	94 +	4	144	114220	114360
UN53474	Rsa1.0.00166.1	842	240912	0	440	446	98 -	1	446	219855	220300
UN53475	Rsa1.0.03552.1	178	22151	2.00E-54	132	140	94 -	28	167	12975	13114
UN53476	Rsa1.0.00385.1	901	89160	0	429	459	93 +	1	457	36391	36837
UN53477	Rsa1.0.01922.1	638	37236	0	372	382	97 +	1	379	12529	12910
UN53478	Rsa1.0.06561.1	771	10772	1.00E-137	289	302	95 +	3	301	2622	2923
UN53479	Rsa1.0.00876.1	742	61328	0	537	548	97 -	1	547	17687	18234
UN53480	Rsa1.0.00407.1	586	191544	0	538	583	92 +	4	586	155506	156073
UN53481	Rsa1.0.02874.1	261	27070	1.00E-118	252	262	96 +	1	261	26469	26728
UN53482	Rsa1.0.00010.1	656	294827	3.00E-65	175	190	92 +	1	188	270947	271131
UN53483	Rsa1.0.00310.1	603	96852	1.00E-139	312	332	93 -	221	539	71221	71551
UN53484	Rsa1.0.06508.1	336	10874	1.00E-149	319	336	94 +	1	336	4654	4989
UN53485	Rsa1.0.00871.1	705	61539	1.00E-109	287	311	92 -	4	312	13835	14142
UN53486	Rsa1.0.05581.1	612	13272	0	507	527	96 -	1	523	5476	5997
UN53487	Rsa1.0.02616.1	129	29542	3.00E-33	90	96	93 -	34	129	21704	21799
UN53488	Rsa1.0.05743.1	101	12768	6.00E-22	89	101	88 -	1	101	319	419
UN53489	Rsa1.0.00181.1	171	114269	8.00E-41	106	113	93 +	16	128	102390	102502
UN53490	Rsa1.0.00630.1	809	71281	0	789	819	96 +	4	809	66530	67344
UN53491	Rsa1.0.06980.1	637	10071	0	343	344	99 -	1	343	4150	4493
UN53492	Rsa1.0.31352.1	613	729	0	523	570	91 -	46	613	144	710
UN53493	Rsa1.0.08680.1	748	7047	0	529	541	97 +	218	748	5668	6208
UN53494	Rsa1.0.03498.1	122	22480	4.00E-51	117	122	95 +	1	122	18517	18638
UN53495	Rsa1.0.03010.1	750	26054	1.00E-106	220	227	96 +	4	230	20647	20872
UN53496	Rsa1.0.02961.1	158	26435	1.00E-61	147	156	94 -	1	156	15817	15972
UN53497	Rsa1.0.00002.1	158	601661	1.00E-36	88	90	97 -	1	90	137235	137323
UN53498	Rsa1.0.00936.1	103	59078	8.00E-15	81	89	91 +	1	89	23379	23463
UN53499	Rsa1.0.02644.1	385	29176	0	381	385	98 -	1	385	16597	16980
UN53500	Rsa1.0.00997.1	684	57190	0	477	490	97 -	195	684	35340	35829
UN53501	Rsa1.0.02478.1	266	150183	1.00E-59	135	141	95 +	8	148	7231	7371
UN53502	Rsa1.0.00026.1	162	327835	4.00E-30	87	91	95 +	1	91	43799	43887
UN53503	Rsa1.0.00136.1	112	122464	7.00E-34	100	108	92 -	7	112	30730	30837
UN53504	Rsa1.0.02124.1	597	34780	0	421	444	94 +	3	436	7484	7926
UN53505	Rsa1.0.43137.1	122	521	2.00E-46	115	122	94 +	1	122	188	309
UN53506	Rsa1.0.02730.1	207	28385	2.00E-45	159	172	92 +	4	175	3380	3543

UN53507	Rsa1.0.05467.1	482	13649	5.00E-94	229	245	93 +	1	238	8197	8439
UN53508	Rsa1.0.03818.1	238	20668	5.00E-43	132	145	91 -	1	144	12386	12525
UN53509	Rsa1.0.00002.1	500	601661	1.00E-147	335	354	94 +	5	352	406224	406577
UN53510	Rsa1.0.00915.1	927	194446	0	859	908	94 +	13	918	180476	181375
UN53511	Rsa1.0.01800.1	580	39109	1.00E-100	221	232	95 -	230	461	7299	7527
UN53512	Rsa1.0.00967.1	817	58049	0	785	818	95 +	1	817	6424	7241
UN53513	Rsa1.0.04397.1	863	17555	0	526	553	95 -	1	552	3221	3763
UN53514	#	#	#	#	#	#	#	#	#	#	#
UN53515	Rsa1.0.02589.1	774	300828	0	773	774	99 -	1	774	25138	25910
UN53516	Rsa1.0.00275.1	495	210104	0	477	493	96 +	3	495	14807	15299
UN53517	Rsa1.0.17495.1	733	1816	9.00E-75	143	143	100 -	585	727	1508	1650
UN53518	Rsa1.0.01083.1	588	54617	1.00E-112	245	257	95 -	1	256	4951	5207
UN53519	Rsa1.0.00102.1	178	135497	3.00E-40	96	100	96 -	79	178	50865	50964
UN53520	Rsa1.0.00335.1	807	94371	4.00E-68	173	183	94 +	3	182	35203	35384
UN53521	Rsa1.0.00153.1	612	192931	3.00E-71	149	153	97 -	217	369	24233	24385
UN53522	Rsa1.0.00272.1	520	447836	1.00E-115	239	247	96 -	12	258	219273	219518
UN53523	Rsa1.0.00410.1	747	86957	0	483	498	96 +	3	495	65065	65561
UN53524	Rsa1.0.00593.1	152	143463	4.00E-58	136	142	95 +	12	152	14505	14646
UN53525	Rsa1.0.00954.1	252	189536	3.00E-63	157	167	94 +	87	252	155027	155193
UN53526	Rsa1.0.00318.1	774	96094	0	650	675	96 -	84	756	1738	2411
UN53527	Rsa1.0.01922.1	509	37236	0	378	396	95 +	1	395	12521	12910
UN53528	Rsa1.0.03653.1	809	21564	1.00E-80	225	253	88 +	1	236	20360	20612
UN53529	Rsa1.0.05352.1	302	14079	2.33E-156	292	302	96 -	1	302	2387	2688
UN53530	Rsa1.0.04441.1	626	17341	0	507	543	93 -	33	558	7700	8242
UN53531	Rsa1.0.00926.1	135	195072	2.00E-56	129	135	95 +	1	135	176649	176783
UN53532	Rsa1.0.00389.1	767	88795	0	546	568	96 +	200	767	61128	61695
UN53533	Rsa1.0.01672.1	845	41229	1.00E-117	233	239	97 +	31	269	20848	21086
UN53534	Rsa1.0.02020.1	352	173211	2.00E-27	69	71	97 +	186	256	20844	20914
UN53535	Rsa1.0.00179.1	312	393324	1.00E-114	217	220	98 -	1	220	349992	350211
UN53536	Rsa1.0.00721.1	168	66918	2.00E-66	158	168	94 -	1	168	59513	59680
UN53537	Rsa1.0.06226.1	248	11442	5.00E-86	222	246	90 +	3	248	11194	11418
UN53538	Rsa1.0.00472.1	619	398134	1.00E-118	225	227	99 +	344	569	298500	298726
UN53539	Rsa1.0.00130.1	380	125737	1.00E-173	360	377	95 +	2	378	43958	44331
UN53540	Rsa1.0.01007.1	108	56933	1.00E-13	52	55	94 -	48	101	32811	32865
UN53541	Rsa1.0.00269.1	815	341668	0	365	368	99 +	408	775	7746	8113
UN53542	Rsa1.0.36971.1	432	610	0	386	406	95 -	4	399	20	425
UN53543	Rsa1.0.05482.1	126	13595	9.00E-43	115	123	93 +	4	126	4318	4438
UN53544	Rsa1.0.00007.1	824	239325	0	423	434	97 +	1	434	209063	209496
UN53545	Rsa1.0.02413.1	369	31628	4.00E-63	144	151	95 -	219	369	7286	7436

UN53546	Rsa1.0.01423.1	762	46170	1.00E-156	311	320	97 -	51	369	12666	12985
UN53547	Rsa1.0.02768.1	160	28110	2.00E-59	140	148	94 -	2	149	26345	26492
UN53548	Rsa1.0.00122.1	245	265937	1.00E-131	243	245	99 -	1	245	35334	35578
UN53549	Rsa1.0.10587.1	812	5794	0	572	607	94 +	218	811	3486	4090
UN53550	Rsa1.0.03701.1	448	21296	1.00E-126	256	265	96 +	1	265	17365	17629
UN53551	Rsa1.0.00153.1	235	192931	7.00E-73	203	219	92 +	1	215	171956	172169
UN53552	Rsa1.0.02138.1	362	34695	1.00E-123	250	259	96 -	1	259	7722	7980
UN53553	Rsa1.0.00713.1	585	158017	0	468	473	98 -	21	493	66390	66862
UN53554	Rsa1.0.01534.1	790	43764	1.00E-109	253	269	94 -	1	269	16191	16458
UN53555	Rsa1.0.00369.1	545	266462	1.00E-149	294	303	97 -	243	545	169500	169802
UN53556	Rsa1.0.01134.1	868	52829	0	777	803	96 +	66	868	25926	26725
UN53557	Rsa1.0.02990.1	124	26180	1.00E-54	120	124	96 +	1	124	18354	18477
UN53558	Rsa1.0.03432.1	779	22967	0	715	776	92 -	1	772	9990	10751
UN53559	Rsa1.0.02079.1	301	35306	1.00E-104	249	265	93 -	1	259	33954	34218
UN53560	Rsa1.0.02079.1	674	35306	1.00E-95	204	210	97 +	2	209	15732	15941
UN53561	Rsa1.0.02105.1	554	156953	1.00E-154	340	359	94 -	11	368	151526	151882
UN53562	Rsa1.0.00735.1	682	66503	0	571	592	96 -	2	592	4823	5410
UN53563	Rsa1.0.02740.1	765	28292	0	591	645	91 +	81	724	10080	10723
UN53564	Rsa1.0.03880.1	697	20293	1.00E-107	245	262	93 -	75	324	19678	19938
UN53565	Rsa1.0.03777.1	790	20922	0	473	524	90 -	49	553	2336	2851
UN53566	Rsa1.0.01222.1	330	50398	1.00E-62	146	154	94 -	174	327	34432	34585
UN53567	Rsa1.0.00618.1	137	72195	1.00E-45	126	137	91 -	1	137	2681	2817
UN53568	Rsa1.0.02560.1	728	30091	0	723	728	99 +	1	728	17778	18505
UN53569	Rsa1.0.00707.1	553	190112	0	536	556	96 +	5	553	38641	39193
UN53570	Rsa1.0.01829.1	174	166063	1.00E-21	68	73	93 +	68	140	158118	158190
UN53571	Rsa1.0.05070.1	787	14933	1.00E-137	280	291	96 +	1	291	2682	2972
UN53572	Rsa1.0.01472.1	705	45099	0	690	705	97 +	2	705	37938	38642
UN53573	Rsa1.0.02606.1	565	29635	1.00E-140	310	326	95 -	4	322	7554	7875
UN53574	Rsa1.0.01069.1	303	55113	1.00E-132	286	302	94 +	1	302	17701	18002
UN53575	Rsa1.0.04594.1	746	16713	0	684	735	93 +	1	724	3804	4523
UN53576	Rsa1.0.00973.1	740	57913	0	437	443	98 +	1	443	22820	23262
UN53577	Rsa1.0.06759.1	669	10402	0	633	647	97 +	2	641	1105	1751
UN53578	Rsa1.0.00350.1	595	92346	8.00E-78	184	195	94 -	2	196	15070	15262
UN53579	Rsa1.0.00019.1	235	301669	1.00E-108	226	235	96 +	1	235	73318	73552
UN53580	Rsa1.0.02855.1	421	27271	1.00E-170	396	423	93 -	1	420	17898	18315
UN53581	Rsa1.0.00156.1	319	118383	5.00E-90	186	192	96 -	1	192	60076	60267
UN53582	Rsa1.0.01328.1	789	48021	1.00E-95	209	218	95 -	29	246	17793	18009
UN53583	Rsa1.0.00387.1	432	495407	1.00E-159	382	415	92 -	18	432	409998	410406
UN53584	Rsa1.0.00234.1	748	197060	1.00E-125	255	264	96 +	483	746	148099	148362

UN53585	Rsa1.0.08102.1	368	7901	1.00E-32	87	92	94 +	221	312	1081	1172
UN53586	Rsa1.0.00108.1	325	478491	1.00E-134	301	323	93 +	3	325	144479	144789
UN53587	Rsa1.0.00066.1	799	152418	0	640	684	93 +	38	720	106028	106684
UN53588	Rsa1.0.00776.1	376	64637	1.00E-158	349	371	94 -	6	376	46441	46802
UN53589	Rsa1.0.00628.1	117	214360	7.00E-22	59	61	96 +	3	63	203940	204000
UN53590	Rsa1.0.00139.1	759	357786	0	719	760	94 -	2	756	1806	2550
UN53591	Rsa1.0.00157.1	128	245832	4.00E-17	57	61	93 -	20	80	183709	183769
UN53592	Rsa1.0.00165.1	856	116466	0	503	533	94 +	4	525	93807	94339
UN53593	Rsa1.0.00046.1	168	320315	4.00E-27	101	114	88 -	11	124	66977	67090
UN53594	Rsa1.0.01740.1	151	39986	1.00E-54	139	148	93 +	1	147	26383	26530
UN53595	Rsa1.0.04358.1	126	17759	1.00E-38	111	120	92 +	9	126	10429	10548
UN53596	Rsa1.0.01137.1	797	52655	0	782	800	97 -	1	797	29963	30762
UN53597	Rsa1.0.01205.1	607	50795	0	388	397	97 +	12	408	23869	24265
UN53598	Rsa1.0.27174.1	717	863	0	396	416	95 -	1	404	132	547
UN53599	Rsa1.0.01388.1	483	46741	1.00E-168	419	454	92 -	33	483	29304	29755
UN53600	Rsa1.0.00407.1	835	191544	1.00E-160	350	366	95 +	1	364	160802	161164
UN53601	Rsa1.0.01938.1	151	264018	3.00E-68	146	151	96 +	1	151	157090	157240
UN53602	Rsa1.0.01226.1	741	50316	1.00E-120	273	288	94 -	15	301	8839	9125
UN53603	Rsa1.0.00068.1	757	151813	0	729	761	95 -	3	757	43566	44323
UN53604	#	#	#	#	#	#	#	#	#	#	#
UN53605	Rsa1.0.08079.1	701	7942	0	666	701	95 -	1	698	5438	6136
UN53606	Rsa1.0.03589.1	115	21893	8.00E-34	109	117	93 +	1	115	665	780
UN53607	Rsa1.0.05264.1	773	14327	0	650	668	97 -	106	773	5039	5706
UN53608	Rsa1.0.00959.1	501	58202	1.00E-152	324	343	94 -	147	489	57828	58159
UN53609	Rsa1.0.00402.1	891	385315	0	437	454	96 -	443	891	266886	267339
UN53610	Rsa1.0.00008.1	883	358124	1.00E-173	345	357	96 -	209	565	181921	182277
UN53611	Rsa1.0.00089.1	792	406142	0	764	802	95 +	1	792	390224	391014
UN53612	Rsa1.0.00058.1	689	159921	1.00E-120	219	219	100 -	467	685	138384	138602
UN53613	Rsa1.0.03242.1	780	24415	0	335	338	99 +	2	339	3791	4128
UN53614	Rsa1.0.01078.1	545	316910	1.00E-73	174	185	94 +	176	360	125731	125915
UN53615	Rsa1.0.01941.1	545	37069	0	533	546	97 -	1	545	2879	3423
UN53616	Rsa1.0.01026.1	460	171624	0	456	473	96 +	1	460	138812	139284
UN53617	Rsa1.0.02323.1	603	32534	2.00E-87	257	288	89 -	194	481	19769	20056
UN53618	Rsa1.0.00045.1	401	328694	6.00E-84	192	202	95 -	1	202	232551	232751
UN53619	Rsa1.0.08598.1	291	7143	7.00E-89	261	289	90 +	1	287	5360	5646
UN53620	Rsa1.0.54091.1	856	422	1.00E-169	406	436	93 -	173	606	1	422
UN53621	Rsa1.0.00092.1	815	659932	2.00E-94	227	242	93 -	4	243	632612	632846
UN53622	Rsa1.0.08342.1	721	7502	1.00E-120	226	228	99 -	203	430	3606	3833
UN53623	Rsa1.0.00112.1	423	132199	2.00E-84	202	215	93 -	99	312	71853	72067

UN53624	Rsa1.0.00301.1	451	365315	0	435	451	96 -	1	451	76790	77238
UN53625	Rsa1.0.03740.1	639	21065	0	525	548	95 -	96	639	15971	16518
UN53626	Rsa1.0.00045.1	806	328694	4.00E-74	154	158	97 +	463	620	179532	179689
UN53627	Rsa1.0.00336.1	169	445051	2.00E-38	147	169	86 +	1	169	2437	2605
UN53628	Rsa1.0.04696.1	255	16339	5.00E-46	159	178	89 -	78	255	12324	12499
UN53629	Rsa1.0.00647.1	423	70440	9.00E-77	155	158	98 +	266	423	56930	57087
UN53630	Rsa1.0.02754.1	726	28213	1.00E-141	363	396	91 +	8	390	10059	10451
UN53631	Rsa1.0.00288.1	941	98659	0	913	948	96 -	7	941	42711	43657
UN53632	Rsa1.0.00394.1	744	148426	0	459	460	99 +	1	459	124766	125225
UN53633	Rsa1.0.07055.1	621	9970	0	424	433	97 -	1	432	2701	3133
UN53634	Rsa1.0.05919.1	754	12240	0	509	514	99 +	241	754	8865	9378
UN53635	Rsa1.0.00394.1	692	148426	0	578	596	96 +	1	593	115480	116074
UN53636	Rsa1.0.00299.1	630	97770	1.00E-169	326	333	97 +	185	517	70275	70606
UN53637	Rsa1.0.01559.1	170	43262	7.00E-32	120	135	88 -	36	167	17455	17587
UN53638	Rsa1.0.01724.1	553	40292	0	354	357	99 +	1	356	6686	7042
UN53639	Rsa1.0.01984.1	145	36491	2.00E-32	89	95	93 +	38	132	23783	23877
UN53640	Rsa1.0.00186.1	544	112669	0	510	553	92 -	1	540	112017	112568
UN53641	Rsa1.0.00684.1	882	141701	1.00E-134	248	250	99 -	557	806	30788	31037
UN53642	Rsa1.0.02076.1	504	153121	1.00E-136	312	331	94 -	1	330	33602	33928
UN53643	#	#	#	#	#	#	#	#	#	#	#
UN53644	Rsa1.0.00972.1	449	57937	1.00E-29	139	163	85 -	269	431	50283	50445
UN53645	Rsa1.0.01836.1	493	38503	0	477	492	96 +	1	492	17892	18382
UN53646	Rsa1.0.02225.1	221	33738	4.00E-40	90	92	97 +	107	198	29903	29994
UN53647	Rsa1.0.00487.1	483	80674	1.00E-142	365	398	91 +	1	393	12841	13238
UN53648	Rsa1.0.00053.1	827	263459	0	799	839	95 +	1	826	242825	243662
UN53649	Rsa1.0.02133.1	196	34726	2.00E-69	182	197	92 -	1	196	27068	27264
UN53650	Rsa1.0.00687.1	746	68494	1.00E-126	241	245	98 +	29	273	10249	10493
UN53651	Rsa1.0.00128.1	749	228675	0	443	463	95 -	285	747	80481	80931
UN53652	Rsa1.0.00903.1	491	60228	1.00E-63	181	200	90 +	46	245	39406	39605
UN53653	Rsa1.0.09380.1	738	6409	0	600	614	97 -	1	614	1	614
UN53654	Rsa1.0.04641.1	749	268012	2.33E-156	319	336	94 -	57	387	261467	261802
UN53655	Rsa1.0.01685.1	134	175033	4.00E-42	117	127	92 +	8	134	26804	26930
UN53656	Rsa1.0.00602.1	293	73302	1.00E-117	275	294	93 +	1	293	30409	30702
UN53657	Rsa1.0.05950.1	136	12130	6.00E-38	117	128	91 +	5	132	1277	1403
UN53658	Rsa1.0.01182.1	825	167304	0	758	795	95 +	1	795	140440	141223
UN53659	Rsa1.0.00190.1	174	318240	6.00E-54	131	139	94 +	1	139	4268	4406
UN53660	Rsa1.0.00054.1	773	162053	1.00E-157	333	347	95 +	1	343	14542	14886
UN53661	Rsa1.0.00017.1	355	752458	1.00E-103	221	231	95 +	104	334	454127	454357
UN53662	Rsa1.0.03338.1	175	136346	3.00E-56	138	147	93 -	25	171	1886	2032

UN53663	Rsa1.0.28855.1	910	801	0	468	480	97 +	299	777	266	745
UN53664	Rsa1.0.01101.1	227	54031	1.00E-40	106	113	93 -	75	187	24178	24290
UN53665	Rsa1.0.00067.1	767	415055	0	478	512	93 +	8	499	251810	252321
UN53666	Rsa1.0.11080.1	131	5623	6.00E-35	117	127	92 +	1	126	1187	1311
UN53667	Rsa1.0.30531.1	506	751	0	426	443	96 -	10	452	1	440
UN53668	Rsa1.0.00653.1	185	70029	2.00E-51	154	171	90 +	1	171	37330	37500
UN53669	Rsa1.0.00467.1	894	156542	0	662	673	98 +	3	672	102961	103633
UN53670	Rsa1.0.00609.1	133	72785	5.00E-26	69	72	95 -	62	133	53052	53123
UN53671	Rsa1.0.62498.1	311	367	2.33E-156	283	290	97 +	1	290	78	367
UN53672	Rsa1.0.08558.1	258	7198	2.00E-48	122	130	93 +	1	130	2581	2710
UN53673	Rsa1.0.00008.1	707	358124	0	630	650	96 +	58	707	63721	64368
UN53674	Rsa1.0.08208.1	786	7719	1.00E-180	319	319	100 -	307	625	6170	6488
UN53675	Rsa1.0.00591.1	368	73789	1.00E-121	282	301	93 +	5	305	36032	36331
UN53676	Rsa1.0.04626.1	288	16611	1.00E-120	272	288	94 -	1	288	15125	15407
UN53677	Rsa1.0.00250.1	226	273771	9.00E-60	138	145	95 +	10	154	60850	60994
UN53678	Rsa1.0.00662.1	744	192183	0	718	743	96 -	2	744	55375	56117
UN53679	Rsa1.0.03062.1	591	25678	1.00E-163	315	323	97 +	269	591	6369	6691
UN53680	Rsa1.0.01405.1	154	46445	4.00E-70	149	154	96 +	1	154	20680	20833
UN53681	Rsa1.0.01033.1	298	56173	2.00E-79	183	194	94 -	1	194	27108	27301
UN53682	Rsa1.0.00800.1	811	63868	0	377	387	97 -	52	438	36437	36823
UN53683	Rsa1.0.00087.1	795	761073	0	687	696	98 +	101	795	591779	592474
UN53684	Rsa1.0.15512.1	569	2565	1.00E-144	335	358	93 -	2	346	1609	1965
UN53685	Rsa1.0.02815.1	721	27650	0	638	689	92 +	4	688	26019	26697
UN53686	Rsa1.0.01453.1	352	45449	1.00E-165	338	352	96 -	1	352	5885	6233
UN53687	Rsa1.0.00718.1	834	279335	1.00E-147	277	281	98 +	1	281	17497	17777
UN53688	Rsa1.0.02918.1	129	26797	5.00E-26	100	111	90 +	6	114	13038	13147
UN53689	Rsa1.0.02608.1	534	29613	0	512	537	95 +	1	534	1750	2286
UN53690	Rsa1.0.00384.1	124	89278	2.00E-37	103	111	92 +	1	111	10976	11086
UN53691	Rsa1.0.03467.1	327	22687	1.00E-121	299	325	92 -	3	327	13222	13546
UN53692	Rsa1.0.07974.1	865	8147	0	864	865	99 +	1	865	4970	5834
UN53693	Rsa1.0.04383.1	555	17631	1.00E-163	306	311	98 +	104	414	9497	9807
UN53694	Rsa1.0.00714.1	717	67187	0	622	625	99 -	1	624	6771	7395
UN53695	Rsa1.0.01424.1	757	46139	0	625	657	95 -	2	658	43605	44261
UN53696	Rsa1.0.10267.1	414	5910	4.00E-91	326	382	85 +	1	369	4086	4448
UN53697	Rsa1.0.00107.1	798	431659	1.00E-162	305	309	98 -	1	308	347428	347736
UN53698	Rsa1.0.13229.1	893	4963	1.00E-149	268	268	100 -	1	268	4109	4376
UN53699	Rsa1.0.00586.1	514	163802	1.00E-164	370	394	93 -	1	394	153732	154121
UN53700	Rsa1.0.00206.1	805	109040	0	560	581	96 +	1	576	72565	73140
UN53701	Rsa1.0.03790.1	721	20844	1.00E-147	291	300	97 +	103	402	6656	6955

UN53702	Rsa1.0_00277.1	390	100132	2.00E-59	144	153	94 +	1	153	88573	88725
UN53703	Rsa1.0_00689.1	691	68305	0	658	685	96 +	7	691	33668	34351
UN53704	Rsa1.0_00060.1	837	502678	0	406	435	93 +	8	440	215439	215860
UN53705	Rsa1.0_00583.1	746	74309	0	368	377	97 +	38	414	50093	50469
UN53706	Rsa1.0_16069.1	681	2298	0	498	526	94 -	159	681	1753	2278
UN53707	Rsa1.0_00060.1	594	502678	0	570	592	96 +	5	594	223272	223863
UN53708	Rsa1.0_00718.1	644	279335	1.00E-130	272	284	95 -	1	284	235035	235318
UN53709	Rsa1.0_02873.1	815	27077	0	771	819	94 +	1	815	4524	5333
UN53710	Rsa1.0_02407.1	792	31684	0	385	403	95 -	190	591	27127	27529
UN53711	Rsa1.0_02962.1	636	26419	1.00E-149	327	345	94 +	25	366	13784	14127
UN53712	Rsa1.0_00019.1	728	301669	1.00E-168	475	529	89 -	37	557	99010	99520
UN53713	Rsa1.0_00066.1	555	152418	5.00E-91	257	285	90 +	30	302	139769	140053
UN53714	Rsa1.0_00124.1	230	262503	3.00E-53	145	157	92 -	6	162	246482	246636
UN53715	Rsa1.0_00153.1	555	192931	1.00E-119	226	229	98 -	327	555	5535	5763
UN53716	Rsa1.0_04588.1	769	16739	1.00E-104	201	204	98 -	276	479	689	892
UN53717	Rsa1.0_00962.1	621	184909	0	585	620	94 -	4	618	28097	28716
UN53718	Rsa1.0_05289.1	455	14259	0	426	453	94 +	3	455	2293	2739
UN53719	Rsa1.0_01814.1	384	38917	1.00E-163	360	382	94 -	4	384	16955	17336
UN53720	Rsa1.0_04140.1	805	18879	1.00E-102	232	245	94 -	33	276	68	312
UN53721	Rsa1.0_10447.1	782	5848	0	613	669	91 +	141	778	4455	5115
UN53722	Rsa1.0_02856.1	529	27270	0	509	523	97 +	1	521	1051	1573
UN53723	Rsa1.0_00138.1	818	247040	0	427	428	99 -	1	428	230305	230731
UN53724	Rsa1.0_13994.1	903	3941	0	377	391	96 +	3	385	2780	3166
UN53725	Rsa1.0_10699.1	479	5752	0	462	478	96 +	1	478	3941	4416
UN53726	Rsa1.0_00017.1	105	752458	9.00E-24	74	80	92 -	23	102	515836	515915
UN53727	Rsa1.0_02074.1	343	35370	1.00E-129	278	292	95 -	1	289	17902	18193
UN53728	Rsa1.0_02908.1	189	26859	3.00E-25	74	79	93 -	111	189	9166	9244
UN53729	#	#	#	#	#	#	#	#	#	#	#
UN53730	Rsa1.0_19491.1	806	1424	0	399	405	98 -	29	432	857	1261
UN53731	Rsa1.0_00057.1	855	160473	0	805	847	95 -	9	855	145776	146610
UN53732	Rsa1.0_03005.1	224	26082	1.00E-80	206	224	91 -	1	224	19823	20046
UN53733	Rsa1.0_00273.1	592	326186	1.00E-153	351	375	93 -	12	385	307454	307824
UN53734	Rsa1.0_06392.1	608	11104	1.00E-101	264	286	92 +	328	607	9537	9818
UN53735	Rsa1.0_00558.1	577	75819	0	469	494	94 +	1	491	52647	53136
UN53736	Rsa1.0_00703.1	732	67597	0	695	736	94 -	13	732	46013	46743
UN53737	Rsa1.0_00340.1	662	305782	1.00E-139	347	375	92 +	1	358	159725	160093
UN53738	Rsa1.0_00389.1	823	88795	1.00E-102	207	213	97 -	2	209	68854	69066
UN53739	Rsa1.0_00093.1	784	214962	0	712	737	96 +	3	738	22726	23461
UN53740	Rsa1.0_00092.1	753	659932	1.00E-115	260	273	95 +	15	283	517187	517458

UN53741	Rsa1.0_04998.1	732	15180	0	468	485	96 -	249	732	14399	14879
UN53742	Rsa1.0_00316.1	303	96264	1.00E-116	282	304	92 +	3	301	57225	57527
UN53743	Rsa1.0_04288.1	146	18077	1.00E-14	74	85	87 -	55	139	13121	13205
UN53744	Rsa1.0_00675.1	318	145590	1.00E-136	296	313	94 +	4	316	143735	144047
UN53745	Rsa1.0_04374.1	184	17670	2.00E-72	174	184	94 -	1	184	8053	8232
UN53746	Rsa1.0_03035.1	900	25827	1.00E-134	315	333	94 +	6	334	1030	1359
UN53747	Rsa1.0_03009.1	823	26065	1.00E-111	260	273	95 +	160	427	22099	22368
UN53748	Rsa1.0_04001.1	262	19623	1.00E-125	250	258	96 -	1	258	6743	7000
UN53749	Rsa1.0_00041.1	383	186197	1.00E-97	187	189	98 +	3	191	26763	26951
UN53750	Rsa1.0_04600.1	128	16694	3.00E-55	121	125	96 -	4	128	12273	12397
UN53751	Rsa1.0_01263.1	557	49703	0	543	570	95 -	1	557	1986	2555
UN53752	Rsa1.0_00001.1	798	363028	0	778	809	96 -	1	798	147883	148691
UN53753	Rsa1.0_02901.1	507	26909	1.00E-131	266	274	97 -	4	276	21290	21563
UN53754	Rsa1.0_00154.1	148	189461	4.00E-30	132	151	87 -	2	148	169411	169558
UN53755	Rsa1.0_05953.1	850	12120	0	809	850	95 -	2	850	1947	2796
UN53756	Rsa1.0_00243.1	799	103651	1.00E-117	273	295	92 -	485	770	56215	56501
UN53757	Rsa1.0_00579.1	625	148308	1.00E-170	406	439	92 -	199	625	63779	64208
UN53758	Rsa1.0_01117.1	785	53465	1.00E-123	236	240	98 +	128	367	38832	39071
UN53759	Rsa1.0_01620.1	645	42091	1.00E-140	277	285	97 -	270	554	19730	20014
UN53760	Rsa1.0_01462.1	784	45231	1.00E-150	284	289	98 +	1	289	14275	14563
UN53761	Rsa1.0_36122.1	732	625	1.00E-24	120	139	86 -	345	482	147	285
UN53762	Rsa1.0_10311.1	357	5893	1.00E-140	265	269	98 -	89	357	3986	4254
UN53763	Rsa1.0_06436.1	695	11022	3.00E-19	95	110	86 -	18	127	600	709
UN53764	Rsa1.0_23907.1	745	1018	0	734	745	98 -	1	745	222	966
UN53765	Rsa1.0_00071.1	777	345714	1.00E-135	283	294	96 +	131	423	10152	10442
UN53766	Rsa1.0_09028.1	778	6702	1.00E-174	310	310	100 +	109	418	6393	6702
UN53767	Rsa1.0_07152.1	882	9815	1.00E-108	200	200	100 -	381	580	3150	3349
UN53768	Rsa1.0_00385.1	779	89160	1.00E-138	326	351	92 -	2	339	40427	40777
UN53769	Rsa1.0_02851.1	593	27295	2.00E-94	176	176	100 -	170	345	17783	17958
UN53770	Rsa1.0_01156.1	681	52147	0	667	700	95 +	1	681	26168	26867
UN53771	Rsa1.0_06561.1	674	10772	0	388	401	96 -	2	402	5342	5730
UN53772	Rsa1.0_00876.1	596	61328	1.00E-180	347	355	97 +	242	596	16801	17154
UN53773	Rsa1.0_00108.1	848	478491	2.00E-66	135	137	98 +	156	292	50411	50547
UN53774	Rsa1.0_00827.1	746	62790	0	440	447	98 +	3	448	29339	29784
UN53775	Rsa1.0_02803.1	751	27715	1.00E-156	368	395	93 +	2	389	18722	19115
UN53776	Rsa1.0_04123.1	572	18947	0	526	562	93 +	11	572	12014	12549
UN53777	Rsa1.0_00010.1	157	294827	1.00E-20	61	63	96 -	1	63	274270	274331
UN53778	Rsa1.0_05581.1	869	13272	0	426	446	95 +	189	631	4253	4698
UN53779	Rsa1.0_00602.1	816	73302	0	512	532	96 -	3	531	1954	2482

UN53780	Rsa1.0.03698.1	710	21302	0	668	681	98 +	30	710	5321	6001
UN53781	Rsa1.0.00335.1	842	94371	1.00E-172	389	416	93 +	8	415	42120	42535
UN53782	Rsa1.0.00722.1	705	66840	0	361	368	98 -	338	702	43029	43396
UN53783	Rsa1.0.00630.1	730	71281	0	507	542	93 -	2	540	67644	68170
UN53784	Rsa1.0_14092.1	714	3817	1.00E-162	293	294	99 -	421	714	411	704
UN53785	Rsa1.0_10640.1	691	5772	1.00E-100	192	194	98 +	498	691	1606	1799
UN53786	Rsa1.0.00065.1	832	454616	1.00E-129	292	310	94 +	3	312	172359	172666
UN53787	Rsa1.0.00681.1	790	68779	2.00E-94	185	188	98 -	506	693	44215	44402
UN53788	Rsa1.0.06376.1	699	11135	1.00E-164	313	317	98 -	384	699	10820	11135
UN53789	Rsa1.0.00059.1	667	159650	4.00E-86	212	229	92 -	2	230	133120	133342
UN53790	Rsa1.0.44004.1	674	511	0	441	465	94 -	178	629	1	465
UN53791	Rsa1.0.00215.1	512	201775	1.00E-124	262	272	96 +	202	472	49347	49610
UN53792	Rsa1.0.02644.1	182	29176	5.00E-64	130	132	98 +	51	182	16479	16610
UN53793	Rsa1.0.00860.1	369	61789	1.00E-160	350	369	94 -	2	369	6517	6883
UN53794	Rsa1.0.01104.1	440	285480	1.00E-122	254	264	96 -	37	300	107189	107449
UN53795	Rsa1.0.05217.1	694	142938	0	672	708	94 +	3	694	132610	133317
UN53796	Rsa1.0.04397.1	739	17555	1.00E-135	256	260	98 -	208	467	6061	6320
UN53797	Rsa1.0.01416.1	557	46262	0	497	518	95 +	1	518	39324	39837
UN53798	Rsa1.0.00130.1	756	125737	1.00E-107	226	233	96 -	522	752	32158	32390
UN53799	Rsa1.0.04786.1	112	15988	3.00E-36	83	85	97 +	3	87	4458	4542
UN53800	#	#	#	#	#	#	#	#	#	#	#
UN53801	Rsa1.0.02411.1	379	31655	8.00E-77	200	209	95 +	28	236	5191	5391
UN53802	Rsa1.0.02124.1	822	34780	1.00E-122	252	261	96 -	164	422	8894	9154
UN53803	Rsa1.0.05467.1	828	13649	2.00E-85	176	181	97 -	48	228	10174	10354
UN53804	Rsa1.0.00055.1	286	520193	1.00E-71	219	246	89 +	62	286	87536	87778
UN53805	Rsa1.0.00915.1	692	194446	1.00E-175	359	375	95 -	246	620	181424	181798
UN53806	Rsa1.0.00124.1	687	262503	1.00E-150	342	365	93 -	1	361	153273	153635
UN53807	Rsa1.0.00356.1	691	91521	0	419	422	99 -	270	691	44971	45391
UN53808	Rsa1.0.00977.1	594	198001	0	580	593	97 -	2	594	169268	169860
UN53809	Rsa1.0.05108.1	794	14820	1.00E-144	286	294	97 +	3	293	7628	7921
UN53810	Rsa1.0.01656.1	494	41494	1.00E-110	288	315	91 +	185	494	346	649
UN53811	Rsa1.0.04397.1	823	17555	1.00E-130	269	280	96 +	107	386	1800	2079
UN53812	Rsa1.0.00077.1	763	145005	1.00E-135	350	383	91 -	6	372	43761	44136
UN53813	#	#	#	#	#	#	#	#	#	#	#
UN53814	Rsa1.0.00602.1	725	73302	1.00E-120	261	274	95 -	22	292	720	993
UN53815	Rsa1.0.02016.1	399	36003	3.00E-61	168	182	92 +	218	399	5549	5721
UN53816	Rsa1.0.35953.1	690	628	1.00E-103	200	203	98 -	1	203	158	360
UN53817	Rsa1.0.00853.1	703	62101	0	651	717	90 +	2	703	51520	52221
UN53818	Rsa1.0_01006.1	765	163670	0	760	763	99 +	3	765	147930	148692

UN53819	Rsa1.0.02668.1	775	28895	1.00E-177	353	364	96 +	409	772	5065	5424
UN53820	Rsa1.0.00335.1	680	94371	1.00E-103	333	382	87 -	1	367	37914	38286
UN53821	Rsa1.0.00153.1	642	192931	1.00E-143	311	325	95 +	3	326	20347	20668
UN53822	Rsa1.0.00301.1	635	365315	9.00E-81	229	257	89 -	96	349	363526	363767
UN53823	Rsa1.0.04375.1	105	141717	7.00E-40	98	103	95 -	1	103	15855	15957
UN53824	Rsa1.0.00573.1	605	74821	1.00E-129	283	299	94 -	307	605	45829	46127
UN53825	Rsa1.0.00593.1	635	143463	0	616	630	97 -	1	630	14729	15355
UN53826	Rsa1.0.00164.1	815	116642	0	563	578	97 -	235	812	70654	71231
UN53827	Rsa1.0.00024.1	265	188018	6.00E-83	245	272	90 +	1	265	18145	18416
UN53828	Rsa1.0.01344.1	813	142535	0	808	812	99 -	2	813	111700	112509
UN53829	Rsa1.0.36105.1	684	625	1.00E-79	160	163	98 -	37	199	463	625
UN53830	Rsa1.0.01632.1	772	181224	0	761	771	98 +	2	772	142522	143292
UN53831	Rsa1.0.00471.1	781	81897	0	652	683	95 -	15	697	28627	29302
UN53832	Rsa1.0.22255.1	245	1137	4.00E-53	118	122	96 -	8	129	117	238
UN53833	Rsa1.0.00456.1	758	82826	0	385	393	97 +	14	404	17267	17658
UN53834	Rsa1.0.17744.1	661	1752	0	423	431	98 -	1	431	1	428
UN53835	Rsa1.0.00173.1	495	288743	1.00E-109	346	396	87 +	3	373	88594	88979
UN53836	Rsa1.0.00055.1	737	520193	0	417	427	97 -	298	724	61321	61747
UN53837	Rsa1.0.01262.1	699	178815	0	543	552	98 -	148	699	163216	163767
UN53838	Rsa1.0.00062.1	693	299291	0	430	432	99 +	264	693	291802	292233
UN53839	Rsa1.0.01905.1	882	37450	1.00E-116	270	287	94 -	206	483	34864	35150
UN53840	Rsa1.0.00502.1	797	204180	1.00E-169	335	346	96 -	398	743	61546	61891
UN53841	Rsa1.0.04441.1	856	17341	0	535	557	96 +	161	717	5589	6140
UN53842	Rsa1.0.00093.1	731	214962	0	706	734	96 -	3	730	71207	71926
UN53843	Rsa1.0.00336.1	789	445051	1.00E-119	235	241	97 +	549	789	154837	155077
UN53844	Rsa1.0.06465.1	661	10962	1.00E-120	255	267	95 -	9	275	7871	8137
UN53845	Rsa1.0.01801.1	653	39094	1.00E-150	296	305	97 +	136	440	27622	27926
UN53846	Rsa1.0.00159.1	755	431686	0	748	755	99 +	2	755	228124	228878
UN53847	Rsa1.0.00130.1	280	125737	1.00E-128	268	280	95 -	1	280	45564	45843
UN53848	Rsa1.0.00931.1	614	59210	3.00E-65	261	303	86 +	313	614	46219	46520
UN53849	Rsa1.0.01007.1	184	56933	5.00E-64	139	143	97 +	42	184	30857	30997
UN53850	Rsa1.0.00185.1	753	248445	0	443	453	97 +	301	753	214700	215149
UN53851	Rsa1.0.00269.1	790	341668	1.00E-136	267	273	97 -	333	603	8839	9111
UN53852	Rsa1.0.00583.1	708	74309	1.00E-127	283	298	94 -	385	682	68468	68762
UN53853	Rsa1.0.03263.1	577	24268	2.00E-81	171	176	97 -	2	177	7	179
UN53854	Rsa1.0.03114.1	760	25318	0	488	511	95 +	241	746	6565	7070
UN53855	Rsa1.0.03513.1	758	22349	1.00E-141	285	295	96 +	3	293	9967	10261
UN53856	Rsa1.0.03906.1	485	20161	1.00E-120	275	295	93 -	191	485	15906	16186
UN53857	Rsa1.0.02198.1	760	33989	0	662	662	100 -	99	760	929	1590

UN53858	Rsa1.0.02163.1	848	34427	0	366	377	97 +	3	379	26553	26929
UN53859	Rsa1.0.00015.1	444	561803	1.00E-118	234	240	97 +	205	444	447457	447696
UN53860	Rsa1.0.01768.1	743	138463	1.00E-113	261	278	93 +	1	275	116870	117147
UN53861	Rsa1.0.00932.1	862	59185	1.00E-136	265	271	97 -	169	439	55978	56248
UN53862	Rsa1.0.02457.1	641	31208	2.00E-91	174	175	99 +	467	641	10884	11058
UN53863	Rsa1.0.00365.1	796	90902	0	339	343	98 -	416	757	3400	3742
UN53864	Rsa1.0.01078.1	877	316910	1.00E-145	312	325	96 +	556	877	283926	284250
UN53865	Rsa1.0.05031.1	761	15083	0	729	757	96 -	6	759	9703	10453
UN53866	Rsa1.0.03701.1	751	21296	0	548	565	96 -	190	751	18315	18879
UN53867	Rsa1.0.00023.1	841	194764	0	816	842	96 -	3	841	72090	72928
UN53868	Rsa1.0.01767.1	746	39615	1.00E-180	381	398	95 -	350	746	14398	14791
UN53869	Rsa1.0.01175.1	802	51674	0	366	367	99 +	6	372	2721	3086
UN53870	Rsa1.0.03513.1	362	22349	1.00E-142	319	337	94 +	3	335	13543	13878
UN53871	Rsa1.0.02008.1	603	36109	0	591	604	97 +	1	603	8497	9100
UN53872	Rsa1.0.00035.1	759	176449	1.00E-110	244	258	94 +	165	416	35232	35489
UN53873	Rsa1.0.00671.1	637	397884	0	631	635	99 -	3	637	181520	182154
UN53874	Rsa1.0.01534.1	639	43764	5.00E-79	174	182	95 +	3	184	13573	13754
UN53875	Rsa1.0.00378.1	481	89892	1.00E-161	355	375	94 -	96	469	36877	37250
UN53876	Rsa1.0.01134.1	816	52829	1.00E-101	224	235	95 -	583	816	26762	26996
UN53877	Rsa1.0.08412.1	787	7404	0	765	788	97 -	1	787	5491	6278
UN53878	Rsa1.0.00211.1	677	228189	1.00E-129	276	289	95 -	392	677	10726	11014
UN53879	Rsa1.0.01214.1	574	50599	0	450	470	95 +	106	571	1680	2149
UN53880	Rsa1.0.02707.1	639	28520	1.00E-150	276	278	99 -	116	393	2862	3139
UN53881	Rsa1.0.14856.1	264	3010	1.00E-138	259	261	99 +	2	261	223	483
UN53882	Rsa1.0.06923.1	740	10158	0	406	416	97 +	1	406	7205	7620
UN53883	Rsa1.0.02990.1	118	26180	3.00E-58	117	118	99 -	1	118	20599	20716
UN53884	Rsa1.0.00827.1	789	62790	1.00E-100	223	235	94 -	1	235	54146	54377
UN53885	Rsa1.0.02772.1	492	28047	0	390	395	98 -	3	397	82	473
UN53886	Rsa1.0.02944.1	462	26553	1.00E-137	254	256	99 -	207	462	1081	1336
UN53887	Rsa1.0.02650.1	753	29047	1.00E-171	311	313	99 -	347	659	11720	12032
UN53888	Rsa1.0.00464.1	658	82253	0	580	613	94 -	2	608	49695	50306
UN53889	Rsa1.0.03280.1	614	145083	0	409	432	94 -	1	419	141379	141810
UN53890	Rsa1.0.00800.1	464	63868	0	397	412	96 +	53	464	56111	56522
UN53891	Rsa1.0.04123.1	679	18947	0	637	681	93 +	8	679	11889	12548
UN53892	Rsa1.0.01785.1	510	39368	0	468	496	94 -	1	494	28408	28890
UN53893	Rsa1.0.00087.1	714	761073	1.00E-141	328	353	92 -	156	508	372682	373017
UN53894	Rsa1.0.02740.1	334	28292	8.00E-89	226	245	92 -	5	249	10763	11005
UN53895	Rsa1.0.01435.1	335	45942	1.00E-118	311	338	92 +	1	335	41244	41573
UN53896	Rsa1.0.01682.1	775	41090	0	677	687	98 +	84	763	25142	25828

UN53897	Rsa1.0.01519.1	496	44144	0	480	498	96 -	1	494	11636	12127
UN53898	Rsa1.0.03777.1	737	20922	1.00E-154	373	404	92 +	1	386	471	865
UN53899	Rsa1.0.02723.1	627	28408	1.00E-165	317	323	98 -	3	324	8852	9174
UN53900	Rsa1.0.01199.1	523	163576	1.00E-107	210	214	98 +	270	483	17832	18045
UN53901	Rsa1.0.00991.1	594	143101	0	565	618	91 -	1	594	46088	46705
UN53902	Rsa1.0.11595.1	611	5463	1.00E-117	341	377	90 -	46	398	933	1307
UN53903	Rsa1.0.00382.1	748	251946	1.00E-151	328	346	94 +	186	528	33538	33883
UN53904	Rsa1.0.00329.1	484	222544	0	399	415	96 +	78	484	192494	192908
UN53905	Rsa1.0.00251.1	448	303968	7.00E-53	109	110	99 -	13	122	59688	59797
UN53906	Rsa1.0.01222.1	692	50398	1.00E-104	199	201	99 +	394	594	34383	34583
UN53907	Rsa1.0.06247.1	659	11395	0	635	660	96 +	1	659	6108	6765
UN53908	Rsa1.0.00190.1	372	318240	4.00E-54	146	156	93 +	1	156	11018	11171
UN53909	Rsa1.0.01648.1	321	41635	1.00E-164	313	320	97 -	2	321	31258	31577
UN53910	Rsa1.0.00276.1	790	100160	0	596	608	98 +	183	790	62615	63218
UN53911	Rsa1.0.00175.1	675	166121	0	386	395	97 +	266	659	154618	155009
UN53912	Rsa1.0.01693.1	717	40876	1.00E-113	255	269	94 -	447	711	40073	40340
UN53913	Rsa1.0.02200.1	351	33981	1.00E-170	340	351	96 +	2	351	10447	10797
UN53914	Rsa1.0.02560.1	690	30091	0	650	655	99 -	37	690	18589	19243
UN53915	Rsa1.0.00323.1	685	159650	1.00E-122	255	265	96 -	2	263	48893	49157
UN53916	Rsa1.0.02210.1	759	33857	1.00E-143	275	281	97 -	356	636	23354	23634
UN53917	Rsa1.0.00128.1	826	228675	0	544	554	98 +	1	554	92502	93055
UN53918	Rsa1.0.00194.1	592	110851	0	590	592	99 +	1	592	86636	87227
UN53919	Rsa1.0.02026.1	769	35896	0	609	628	96 -	3	630	17714	18332
UN53920	Rsa1.0.01472.1	729	45099	0	634	647	97 -	83	729	38832	39478
UN53921	Rsa1.0.04415.1	782	147889	1.00E-132	299	318	94 -	3	317	144332	144649
UN53922	Rsa1.0.00451.1	698	322533	1.00E-89	243	267	91 -	429	692	283432	283684
UN53923	Rsa1.0.07809.1	465	8503	0	441	447	98 +	19	465	1545	1991
UN53924	Rsa1.0.02606.1	710	29635	1.00E-128	311	339	91 +	4	321	5888	6226
UN53925	Rsa1.0.00457.1	788	337301	0	520	521	99 +	268	788	197358	197878
UN53926	Rsa1.0.00270.1	653	101236	0	390	398	97 -	2	398	65199	65596
UN53927	Rsa1.0.01053.1	706	55483	1.00E-152	272	272	100 -	2	273	42394	42665
UN53928	Rsa1.0.03795.1	430	20818	0	416	431	96 -	3	430	15685	16113
UN53929	Rsa1.0.06759.1	734	10402	0	612	637	96 -	114	734	1767	2403
UN53930	Rsa1.0.01072.1	660	55068	0	416	437	95 -	4	440	36761	37187
UN53931	Rsa1.0.01237.1	780	50124	0	395	412	95 +	4	415	2883	3285
UN53932	Rsa1.0.14220.1	716	3652	3.00E-65	145	151	96 -	394	544	2829	2979
UN53933	Rsa1.0.00222.1	611	172263	0	593	611	97 -	1	611	73439	74049
UN53934	Rsa1.0.03323.1	705	23751	1.00E-113	243	255	95 -	5	259	12306	12560
UN53935	Rsa1.0.00501.1	287	79545	3.00E-54	111	112	99 +	176	287	20921	21032

UN53936	Rsa1.0.00421.1	749	86365	1.00E-103	254	271	93 -	486	749	82663	82933
UN53937	Rsa1.0.00776.1	831	64637	0	463	479	96 +	203	680	10547	11022
UN53938	Rsa1.0.01580.1	776	42852	1.00E-104	211	217	97 +	558	774	31149	31365
UN53939	Rsa1.0.74800.1	815	307	1.00E-170	306	307	99 +	166	472	1	307
UN53940	Rsa1.0.02467.1	574	31141	5.00E-73	146	148	98 -	135	282	9764	9911
UN53941	Rsa1.0.01062.1	723	55325	0	604	617	97 -	94	710	52194	52807
UN53942	Rsa1.0.01730.1	642	40223	1.00E-156	310	320	96 +	318	637	35176	35495
UN53943	Rsa1.0.00022.1	810	200461	1.00E-121	251	261	96 -	342	602	72068	72328
UN53944	Rsa1.0.01516.1	831	44196	0	481	509	94 -	2	510	36804	37310
UN53945	Rsa1.0.01685.1	823	175033	1.00E-133	268	277	96 -	3	279	9566	9842
UN53946	Rsa1.0.00950.1	727	58547	0	493	534	92 +	7	540	42430	42942
UN53947	Rsa1.0.00066.1	722	152418	0	681	726	93 -	9	722	106868	107593
UN53948	Rsa1.0.00457.1	687	337301	1.00E-109	258	277	93 -	303	569	290956	291232
UN53949	Rsa1.0.08661.1	743	7068	0	504	521	96 -	2	522	2244	2764
UN53950	Rsa1.0.00139.1	541	357786	0	349	356	98 +	50	404	570	925
UN53951	Rsa1.0.00244.1	693	103590	0	525	542	96 -	152	693	77749	78290
UN53952	Rsa1.0.00179.1	613	393324	1.00E-145	274	277	98 +	333	609	199770	200045
UN53953	Rsa1.0.01559.1	874	43262	0	849	879	96 -	1	874	33336	34210
UN53954	Rsa1.0.00625.1	887	71672	2.00E-67	164	175	93 +	155	328	53567	53732
UN53955	Rsa1.0.01091.1	683	54383	1.00E-171	391	415	94 -	261	672	3315	3726
UN53956	Rsa1.0.00165.1	886	116466	1.00E-113	241	251	96 -	420	669	95256	95506
UN53957	Rsa1.0.00014.1	146	348985	6.00E-72	143	145	98 +	2	146	339671	339815
UN53958	Rsa1.0.00056.1	482	332604	1.00E-172	439	482	91 +	1	481	108326	108787
UN53959	Rsa1.0.01137.1	841	52655	0	425	441	96 +	386	826	29605	30045
UN53960	Rsa1.0.02099.1	267	35030	1.00E-149	267	267	100 -	1	267	24857	25123
UN53961	Rsa1.0.02470.1	622	31108	1.00E-137	307	326	94 -	298	622	18656	18974
UN53962	Rsa1.0.03681.1	754	21405	0	520	532	97 -	226	754	1412	1943
UN53963	Rsa1.0.00097.1	724	138858	1.00E-73	169	177	95 +	447	617	42576	42752
UN53964	Rsa1.0.01226.1	766	50316	1.00E-151	314	324	96 +	10	332	6389	6710
UN53965	Rsa1.0.00632.1	653	183777	0	488	512	95 +	143	653	10510	11021
UN53966	Rsa1.0.00019.1	649	301669	0	647	648	99 +	2	649	268291	268938
UN53967	Rsa1.0.00105.1	659	134138	1.00E-164	299	301	99 -	359	659	10992	11292
UN53968	Rsa1.0.05264.1	847	14327	0	829	847	97 +	6	847	3397	4243
UN53969	Rsa1.0.01186.1	754	51418	0	742	754	98 -	2	754	46854	47607
UN53970	Rsa1.0.17922.1	493	1708	0	364	370	98 +	126	493	315	684
UN53971	Rsa1.0.00959.1	697	58202	0	685	720	95 +	3	697	56760	57478
UN53972	Rsa1.0.00427.1	271	189678	5.00E-74	144	145	99 -	2	146	185811	185955
UN53973	Rsa1.0.01177.1	857	51572	0	414	420	98 -	439	857	6892	7311
UN53974	Rsa1.0.00402.1	649	385315	0	648	649	99 +	1	649	265385	266033

UN53975	Rsa1.0.00008.1	763	358124	0	625	649	96 +	116	763	180648	181293
UN53976	Rsa1.0.00089.1	211	406142	1.00E-71	178	189	94 -	3	190	392613	392800
UN53977	Rsa1.0.01539.1	555	43698	1.00E-174	515	582	88 +	1	555	4700	5273
UN53978	Rsa1.0.03242.1	669	24415	1.00E-169	322	329	97 -	2	330	6081	6409
UN53979	Rsa1.0.00984.1	718	57580	0	357	362	98 -	360	718	44893	45254
UN53980	Rsa1.0.00015.1	860	561803	1.00E-120	235	240	97 +	58	297	527855	528094
UN53981	Rsa1.0.02124.1	694	34780	0	669	694	96 +	2	694	29113	29806
UN53982	Rsa1.0.01078.1	636	316910	3.00E-74	152	154	98 -	476	628	127605	127758
UN53983	Rsa1.0.00107.1	783	431659	1.00E-156	356	378	94 +	1	365	298725	299101
UN53984	Rsa1.0.01941.1	671	37069	0	641	668	95 +	3	669	1877	2544
UN53985	Rsa1.0.00250.1	718	273771	1.00E-109	224	232	96 +	37	268	242170	242401
UN53986	Rsa1.0.02323.1	725	32534	1.00E-177	576	663	86 +	63	725	17309	17971
UN53987	Rsa1.0.00108.1	679	478491	0	579	605	95 +	78	676	381869	382467
UN53988	Rsa1.0.00057.1	716	160473	1.00E-109	210	212	99 +	504	714	71857	72068
UN53989	Rsa1.0.01100.1	749	54113	1.00E-80	153	153	100 +	241	393	32145	32297
UN53990	Rsa1.0.21652.1	511	1184	1.00E-140	284	294	96 -	167	457	891	1184
UN53991	Rsa1.0.00092.1	796	659932	1.00E-103	191	191	100 +	3	193	629595	629785
UN53992	Rsa1.0.08342.1	655	7502	1.00E-153	289	291	99 +	367	655	1042	1332
UN53993	Rsa1.0.02097.1	184	35036	2.00E-57	130	135	96 +	1	135	17274	17405
UN53994	Rsa1.0.08575.1	717	7180	0	674	680	99 +	38	717	5643	6322
UN53995	Rsa1.0.08756.1	695	6955	0	378	391	96 -	305	695	307	697
UN53996	Rsa1.0.01742.1	374	39962	2.00E-83	198	209	94 -	162	369	25945	26152
UN53997	Rsa1.0.00045.1	740	328694	2.33E-156	316	331	95 -	4	333	181708	182033
UN53998	Rsa1.0.00033.1	883	515811	1.00E-162	299	301	99 -	563	862	335259	335559
UN53999	Rsa1.0.01540.1	676	151890	0	324	324	100 +	73	396	149399	149722
UN54000	Rsa1.0.00265.1	747	220635	1.00E-155	323	338	95 +	3	340	136518	136855
UN54001	Rsa1.0.02754.1	777	28213	0	470	491	95 -	3	493	11981	12471
UN54002	Rsa1.0.00737.1	763	66432	0	400	425	94 +	135	556	2349	2773
UN54003	Rsa1.0.02803.1	669	27715	0	498	523	95 -	147	669	17494	18013
UN54004	Rsa1.0.02158.1	717	154841	0	433	450	96 +	199	648	131925	132374
UN54005	Rsa1.0.00288.1	709	98659	0	520	541	96 +	160	700	42129	42669
UN54006	Rsa1.0.01233.1	752	50184	1.00E-119	286	305	93 -	448	750	29100	29402
UN54007	Rsa1.0.00323.1	696	159650	1.00E-104	199	201	99 +	7	207	42271	42471
UN54008	Rsa1.0.01937.1	259	37147	6.00E-83	217	236	91 -	26	259	27245	27471
UN54009	Rsa1.0.05919.1	772	12240	0	506	510	99 -	263	772	9889	10398
UN54010	Rsa1.0.00394.1	470	148426	0	465	472	98 -	2	470	116414	116885
UN54011	Rsa1.0.00671.1	788	397884	1.00E-155	350	374	93 +	421	788	176112	176476
UN54012	Rsa1.0.00299.1	791	97770	1.00E-107	227	237	95 -	264	500	71809	72045
UN54013	Rsa1.0.00807.1	469	63607	4.00E-88	231	250	92 -	225	469	40784	41027

UN54014	Rsa1.0_01104.1	645	285480	1.00E-110	265	285	92 +	372	645	263481	263764
UN54015	Rsa1.0_00920.1	220	601703	1.00E-117	217	218	99 -	3	220	585891	586108
UN54016	Rsa1.0_04454.1	730	17268	0	701	735	95 -	2	730	12711	13442
UN54017	Rsa1.0_00512.1	781	200277	1.00E-111	234	244	95 +	314	557	63228	63471
UN54018	Rsa1.0_04031.1	240	19489	9.00E-57	121	124	97 -	113	236	1211	1334
UN54019	Rsa1.0_00627.1	831	71566	4.00E-96	182	183	99 +	484	666	21740	21922
UN54020	Rsa1.0_01264.1	774	49697	0	732	773	94 +	5	774	15333	16102
UN54021	Rsa1.0_00350.1	622	92346	2.00E-54	146	157	92 +	466	622	10293	10448
UN54022	Rsa1.0_00140.1	677	121541	0	653	672	97 -	2	673	65162	65832
UN54023	Rsa1.0_00622.1	467	71822	0	451	468	96 -	1	467	2278	2745
UN54024	Rsa1.0_00684.1	834	141701	1.00E-129	245	248	98 +	2	249	26822	27066
UN54025	Rsa1.0_02076.1	838	153121	1.00E-175	359	371	96 +	470	838	32925	33294
UN54026	Rsa1.0_00116.1	786	365886	1.00E-178	541	604	89 +	193	786	69604	70193
UN54027	Rsa1.0_00972.1	869	57937	1.00E-125	538	635	84 +	13	641	49815	50445
UN54028	Rsa1.0_02560.1	756	30091	0	339	343	98 -	201	541	7721	8063
UN54029	Rsa1.0_00722.1	482	66840	1.00E-105	206	210	98 -	134	343	59641	59850
UN54030	Rsa1.0_18158.1	737	1655	0	548	562	97 -	176	737	1095	1655
UN54031	Rsa1.0_00218.1	687	201480	1.00E-159	293	296	98 +	392	687	36942	37237
UN54032	Rsa1.0_05677.1	640	12968	0	590	620	95 -	29	640	6731	7349
UN54033	Rsa1.0_02273.1	752	140964	1.00E-157	288	290	99 -	2	291	10349	10638
UN54034	Rsa1.0_02765.1	660	28141	1.00E-105	422	498	84 -	3	500	27538	28035
UN54035	Rsa1.0_00060.1	888	502678	1.00E-123	254	264	96 +	221	484	126419	126682
UN54036	Rsa1.0_00123.1	705	325650	0	387	406	95 +	286	691	248527	248932
UN54037	Rsa1.0_02133.1	231	34726	8.00E-48	97	97	100 +	101	197	26643	26739
UN54038	Rsa1.0_00687.1	813	68494	2.00E-73	166	174	95 -	3	176	17367	17536
UN54039	Rsa1.0_00903.1	842	60228	0	396	410	96 -	4	405	41519	41928
UN54040	Rsa1.0_00198.1	747	222963	1.00E-158	295	299	98 -	337	635	36849	37147
UN54041	Rsa1.0_00478.1	659	81419	1.00E-144	265	267	99 -	393	659	28157	28423
UN54042	Rsa1.0_03281.1	731	143349	0	709	729	97 -	1	729	296	1021
UN54043	Rsa1.0_01009.1	521	56922	2.33E-156	291	299	97 -	6	303	32384	32682
UN54044	Rsa1.0_00706.1	811	291570	0	546	567	96 +	134	700	181304	181868
UN54045	Rsa1.0_01182.1	770	167304	0	636	670	94 -	101	770	141247	141910
UN54046	Rsa1.0_64336.1	215	356	2.00E-39	92	95	96 -	1	95	21	115
UN54047	Rsa1.0_00402.1	679	385315	0	671	677	99 -	3	679	87930	88603
UN54048	Rsa1.0_40049.1	727	561	2.00E-85	167	169	98 -	240	408	244	412
UN54049	Rsa1.0_03054.1	891	25738	1.00E-178	346	353	98 +	3	353	13554	13906
UN54050	Rsa1.0_04123.1	376	18947	1.00E-176	337	345	97 -	32	376	8719	9063
UN54051	Rsa1.0_20065.1	803	1346	0	720	746	96 -	58	803	402	1144
UN54052	Rsa1.0_10158.1	775	5971	1.00E-102	207	213	97 -	555	767	604	816

UN54053	Rsa1.0.05893.1	800	12306	0	420	422	99 -	4	424	8742	9163
UN54054	Rsa1.0.03263.1	557	24268	1.00E-158	388	421	92 -	150	557	15002	15411
UN54055	Rsa1.0.08015.1	901	8078	0	491	497	98 -	408	901	6597	7093
UN54056	Rsa1.0.00038.1	474	314568	0	459	490	93 -	3	474	201952	202439
UN54057	Rsa1.0.00011.1	813	225044	0	796	809	98 -	1	809	211561	212369
UN54058	Rsa1.0.00130.1	745	125737	3.00E-90	185	189	97 +	3	190	34130	34318
UN54059	Rsa1.0.00031.1	855	179862	3.00E-35	153	176	86 +	580	752	86371	86546
UN54060	Rsa1.0.04398.1	804	17550	1.00E-140	286	297	96 +	343	639	3111	3407
UN54061	Rsa1.0.00467.1	784	156542	0	422	438	96 -	344	781	104396	104833
UN54062	Rsa1.0.00991.1	780	143101	0	514	523	98 +	66	588	54800	55322
UN54063	Rsa1.0.00515.1	801	78417	0	655	694	94 +	85	778	16013	16706
UN54064	Rsa1.0.08208.1	660	7719	0	537	575	93 +	8	582	4140	4702
UN54065	Rsa1.0.01454.1	575	45440	0	530	579	91 +	2	575	2844	3400
UN54066	Rsa1.0.00107.1	727	431659	0	678	723	93 -	4	721	425781	426493
UN54067	Rsa1.0.01219.1	760	50527	1.00E-167	337	349	96 -	395	743	4820	5166
UN54068	Rsa1.0.00800.1	875	63868	0	636	661	96 +	220	874	35259	35919
UN54069	Rsa1.0.00087.1	711	761073	0	662	707	93 -	5	711	593147	593853
UN54070	Rsa1.0.00555.1	765	75920	0	441	465	94 -	286	750	2572	3036
UN54071	#	#	#	#	#	#	#	#	#	#	#
UN54072	Rsa1.0.02084.1	725	35205	0	686	730	93 -	1	725	30241	30969
UN54073	Rsa1.0.05562.1	729	13323	1.00E-126	517	608	85 -	131	729	411	1011
UN54074	Rsa1.0.00017.1	780	752458	6.00E-73	146	148	98 +	220	367	603348	603495
UN54075	Rsa1.0.00076.1	775	146021	1.00E-141	255	255	100 -	2	256	47378	47632
UN54076	Rsa1.0.00718.1	829	279335	1.00E-98	192	195	98 -	75	269	20484	20678
UN54077	Rsa1.0.01405.1	746	46445	0	491	511	96 +	2	512	29710	30220
UN54078	Rsa1.0.07535.1	857	9183	0	591	620	95 +	3	618	8568	9183
UN54079	Rsa1.0.00265.1	749	220635	1.00E-122	240	246	97 +	215	460	10527	10772
UN54080	Rsa1.0.24631.1	739	976	1.00E-138	268	274	97 +	3	276	241	514
UN54081	#	#	#	#	#	#	#	#	#	#	#
UN54082	Rsa1.0.01768.1	439	138463	5.00E-32	83	86	96 +	1	84	136965	137050
UN54083	Rsa1.0.02608.1	807	29613	0	660	666	99 -	1	665	3034	3699
UN54084	Rsa1.0.00384.1	399	89278	1.00E-112	276	295	93 -	87	375	10799	11093
UN54085	Rsa1.0.00059.1	728	159650	0	510	528	96 +	2	526	121104	121628
UN54086	Rsa1.0.33878.1	784	669	1.00E-154	306	313	97 +	473	784	161	472
UN54087	Rsa1.0.01126.1	549	53127	0	513	551	93 +	1	545	14471	15014
UN54088	Rsa1.0.00714.1	779	67187	0	768	776	98 +	4	779	5364	6138
UN54089	Rsa1.0.01082.1	654	54640	0	422	422	100 -	1	422	15720	16141
UN54090	Rsa1.0.01857.1	616	38103	6.00E-94	207	217	95 +	136	349	18550	18766
UN54091	Rsa1.0.00088.1	801	141341	0	433	466	92 +	43	499	10088	10550

UN54092	Rsa1.0_00926.1	883	195072	2.00E-88	184	190	96 +	464	653	194883	195072
UN54093	Rsa1.0_00525.1	677	78030	0	547	566	96 +	114	677	47428	47993
UN54094	Rsa1.0_00195.1	329	251884	2.33E-156	307	322	95 -	8	329	248426	248747
UN54095	Rsa1.0_00858.1	807	61892	1.00E-140	256	257	99 +	115	371	32640	32896
UN54096	Rsa1.0_00636.1	657	71113	1.00E-76	229	256	89 -	100	355	12431	12668
UN54097	Rsa1.0_01321.1	825	48248	0	395	422	93 +	158	562	6404	6825
UN54098	Rsa1.0_10267.1	755	5910	0	384	403	95 -	3	405	4974	5375
UN54099	Rsa1.0_01835.1	759	38542	0	730	758	96 -	3	759	24261	25015
UN54100	Rsa1.0_00020.1	787	283099	1.00E-169	318	321	99 -	470	787	42665	42985
UN54101	Rsa1.0_01042.1	548	293264	0	509	527	96 +	1	527	137376	137895
UN54102	Rsa1.0_00024.1	739	188018	1.00E-101	237	251	94 -	1	250	155159	155408
UN54103	Rsa1.0_00586.1	697	163802	1.00E-168	386	405	95 +	297	695	153732	154132
UN54104	Rsa1.0_02457.1	291	31208	1.00E-59	151	157	96 -	34	190	13222	13374
UN54105	Rsa1.0_00206.1	278	109040	1.00E-93	261	278	93 -	2	278	73527	73796
UN54106	Rsa1.0_00293.1	317	339294	1.00E-172	315	317	99 +	1	317	177486	177801
UN54107	Rsa1.0_01067.1	197	55230	4.00E-80	187	194	96 -	2	195	4573	4761
UN54108	Rsa1.0_00586.1	722	163802	0	704	731	96 +	1	721	145644	146367
UN54109	Rsa1.0_02707.1	325	28520	1.00E-127	301	311	96 +	8	318	12735	13035
UN54110	Rsa1.0_00187.1	657	393093	0	428	443	96 +	211	653	214572	215014
UN54111	Rsa1.0_23092.1	399	1071	6.00E-50	107	109	98 +	56	164	963	1071
UN54112	Rsa1.0_00689.1	801	68305	0	754	783	96 -	20	799	34431	35210
UN54113	Rsa1.0_00060.1	458	502678	5.00E-97	283	304	93 -	155	458	216954	217247
UN54114	Rsa1.0_01476.1	672	172928	0	528	545	96 -	17	561	12607	13151
UN54115	Rsa1.0_00047.1	694	168582	1.00E-168	310	312	99 -	381	692	70278	70588
UN54116	Rsa1.0_00258.1	385	102381	1.00E-60	136	139	97 -	248	385	45903	46040
UN54117	Rsa1.0_04696.1	270	16339	5.00E-71	237	259	91 +	4	262	11046	11294
UN54118	Rsa1.0_00161.1	275	116891	8.00E-73	181	187	96 -	95	275	86755	86941
UN54119	Rsa1.0_02411.1	181	31655	5.00E-39	119	126	94 -	56	181	28347	28468
UN54120	Rsa1.0_04022.1	266	19534	8.00E-73	166	171	97 +	98	266	6268	6437
UN54121	Rsa1.0_03355.1	890	23489	0	489	510	95 +	108	617	1467	1973
UN54122	Rsa1.0_00304.1	685	97429	0	440	454	96 +	225	677	13857	14309
UN54123	Rsa1.0_00026.1	192	327835	4.00E-74	182	192	94 -	1	192	9717	9904
UN54124	Rsa1.0_00394.1	865	148426	0	471	491	95 -	37	518	67486	67976
UN54125	Rsa1.0_02135.1	806	34713	0	668	723	92 +	108	800	7000	7709
UN54126	Rsa1.0_00008.1	563	358124	0	546	567	96 -	2	563	76762	77327
UN54127	Rsa1.0_03843.1	732	20496	0	372	382	97 +	1	382	4037	4418
UN54128	Rsa1.0_00718.1	850	279335	0	520	522	99 +	3	524	231667	232188
UN54129	Rsa1.0_08388.1	274	7436	1.00E-110	251	258	97 -	9	265	3300	3551
UN54130	Rsa1.0_00183.1	645	113277	2.00E-35	105	112	93 +	511	621	48905	49014

UN54131	Rsa1.0.01264.1	760	49697	1.00E-159	313	321	97 -	438	758	17491	17810
UN54132	Rsa1.0.02873.1	205	27077	1.00E-27	99	106	93 -	11	116	5979	6079
UN54133	Rsa1.0.03303.1	386	23890	1.00E-102	313	336	93 +	51	386	4111	4431
UN54134	Rsa1.0.03099.1	734	139424	1.00E-55	121	123	98 -	555	676	475	597
UN54135	Rsa1.0.00360.1	553	91190	5.00E-82	167	171	97 +	83	253	46323	46493
UN54136	Rsa1.0.02407.1	774	31684	1.00E-104	228	240	95 +	46	285	24015	24254
UN54137	Rsa1.0.00991.1	859	143101	2.00E-97	215	225	95 -	419	642	18734	18958
UN54138	Rsa1.0.00124.1	749	262503	1.00E-120	286	301	95 +	446	743	246482	246776
UN54139	Rsa1.0.04584.1	731	16756	0	445	461	96 -	250	706	12408	12866
UN54140	Rsa1.0.00153.1	812	192931	0	765	809	94 +	4	812	4398	5184
UN54141	Rsa1.0.00192.1	433	278200	1.00E-174	329	333	98 +	99	431	13714	14044
UN54142	Rsa1.0.00064.1	675	240927	1.00E-157	310	319	97 +	65	380	231755	232073
UN54143	Rsa1.0.00876.1	794	61328	1.00E-130	267	275	97 -	483	754	36515	36789
UN54144	Rsa1.0.03890.1	617	20223	1.00E-161	348	370	94 -	24	393	8045	8399
UN54145	Rsa1.0.02103.1	491	35006	1.00E-163	304	307	99 -	1	307	14618	14923
UN54146	Rsa1.0.01207.1	814	141053	1.00E-152	330	349	94 -	350	698	109018	109366
UN54147	Rsa1.0.00962.1	388	184909	1.00E-150	368	389	94 +	1	388	28084	28464
UN54148	Rsa1.0.04290.1	615	18063	7.00E-26	82	88	93 -	460	547	14274	14359
UN54149	Rsa1.0.05289.1	778	14259	0	540	564	95 -	215	778	2718	3281
UN54150	Rsa1.0.01228.1	607	50238	1.00E-107	223	230	96 -	3	231	22365	22594
UN54151	Rsa1.0.00010.1	841	294827	1.00E-131	296	314	94 -	4	317	82110	82417
UN54152	Rsa1.0.00813.1	697	63202	1.00E-89	175	176	99 -	523	697	11826	12001
UN54153	Rsa1.0.00066.1	436	152418	0	380	389	97 +	1	389	134965	135353
UN54154	Rsa1.0.17549.1	810	1799	0	646	702	92 -	3	684	441	1130
UN54155	Rsa1.0.19447.1	685	1430	0	510	531	96 +	3	533	902	1430
UN54156	Rsa1.0.07748.1	625	8654	1.00E-129	365	415	87 -	4	400	7090	7483
UN54157	Rsa1.0.00191.1	832	316976	1.00E-155	309	318	97 -	23	340	125627	125938
UN54158	Rsa1.0.00087.1	886	761073	0	879	885	99 +	1	883	601440	602324
UN54159	Rsa1.0.03781.1	838	20891	1.00E-119	245	254	96 +	39	292	3060	3313
UN54160	Rsa1.0.00383.1	809	398431	1.00E-95	202	210	96 -	365	574	188964	189173
UN54161	Rsa1.0.00198.1	664	222963	1.00E-106	195	195	100 +	352	546	142806	143000
UN54162	Rsa1.0.09459.1	684	6353	1.00E-131	322	345	93 +	3	345	4891	5228
UN54163	Rsa1.0.03709.1	806	21247	0	467	483	96 +	324	806	8142	8624
UN54164	Rsa1.0.00057.1	804	160473	0	761	808	94 +	1	804	144762	145566
UN54165	Rsa1.0.00425.1	817	147080	2.00E-63	127	128	99 +	374	501	146145	146272
UN54166	Rsa1.0.00584.1	811	74295	1.00E-114	219	222	98 +	426	647	1227	1448
UN54167	Rsa1.0.00641.1	750	208241	0	507	520	97 +	231	750	146277	146795
UN54168	Rsa1.0.06392.1	865	11104	0	535	565	94 -	6	566	9813	10373
UN54169	Rsa1.0.01576.1	654	42923	1.00E-114	231	237	97 +	419	654	22319	22555

UN54170	Rsa1.0_00703.1	685	67597	0	666	683	97 +	4	684	45315	45997
UN54171	Rsa1.0_00044.1	748	271658	6.00E-79	156	158	98 +	287	444	155493	155650
UN54172	Rsa1.0_03165.1	675	24866	1.00E-132	249	252	98 +	3	254	8608	8859
UN54173	Rsa1.0_07538.1	829	9176	3.00E-72	176	187	94 -	643	829	2552	2737
UN54174	Rsa1.0_05208.1	547	14504	1.00E-131	273	284	96 +	267	547	3908	4191
UN54175	Rsa1.0_00335.1	426	94371	1.00E-154	338	354	95 +	71	422	50290	50639
UN54176	Rsa1.0_00119.1	461	467509	2.00E-47	109	113	96 +	176	288	283866	283978
UN54177	Rsa1.0_05739.1	133	12778	4.00E-48	126	133	94 -	1	133	2699	2829
UN54178	Rsa1.0_52092.1	118	437	2.00E-31	95	101	94 +	4	104	119	217
UN54179	Rsa1.0_00190.1	792	318240	0	402	402	100 -	2	403	283349	283750
UN54180	Rsa1.0_00622.1	809	71822	0	721	748	96 -	40	787	2002	2749
UN54181	Rsa1.0_00048.1	354	167185	2.00E-89	187	193	96 +	1	193	99109	99298
UN54182	Rsa1.0_00179.1	734	393324	2.00E-54	252	296	85 +	322	615	19880	20173
UN54183	#	#	#	#	#	#	#	#	#	#	#
UN54184	Rsa1.0_00383.1	725	398431	7.00E-17	61	66	92 -	251	316	369834	369899
UN54185	Rsa1.0_00593.1	692	143463	0	587	602	97 +	3	602	49761	50355
UN54186	Rsa1.0_00160.1	426	346678	0	406	425	95 -	2	426	192085	192509
UN54187	Rsa1.0_00069.1	699	403561	7.00E-94	217	230	94 +	474	696	200655	200884
UN54188	Rsa1.0_00017.1	391	752458	1.00E-117	223	225	99 +	1	225	715547	715770
UN54189	Rsa1.0_00426.1	155	85668	1.00E-45	120	129	93 -	1	129	31825	31953
UN54190	Rsa1.0_01786.1	592	133324	6.00E-97	229	241	95 +	353	592	125811	126045
UN54191	Rsa1.0_00201.1	668	232851	0	485	515	94 -	157	668	143084	143585
UN54192	Rsa1.0_00001.1	533	363028	0	517	534	96 +	3	533	210984	211514
UN54193	Rsa1.0_00921.1	823	59599	0	447	462	96 +	25	482	8792	9253
UN54194	Rsa1.0_02916.1	278	26809	1.00E-56	115	116	99 -	2	117	8909	9024
UN54195	Rsa1.0_04915.1	798	15461	1.00E-12	77	89	86 +	490	575	1767	1855
UN54196	Rsa1.0_00254.1	705	102600	1.00E-128	290	306	94 -	396	699	74067	74363
UN54197	Rsa1.0_01037.1	750	55969	1.00E-95	184	186	98 +	257	442	35452	35637
UN54198	Rsa1.0_17872.1	288	1722	1.00E-123	271	287	94 +	2	288	234	520
UN54199	Rsa1.0_00064.1	544	240927	0	427	434	98 -	111	544	116731	117164
UN54200	Rsa1.0_00719.1	740	66952	1.00E-123	296	318	93 -	3	320	47399	47711
UN54201	Rsa1.0_02901.1	345	26909	1.00E-133	247	249	99 +	97	345	21318	21566
UN54202	Rsa1.0_00265.1	810	220635	2.00E-97	203	209	97 -	601	809	189339	189546
UN54203	Rsa1.0_02510.1	472	30662	0	403	417	96 -	56	472	24169	24582
UN54204	Rsa1.0_01178.1	105	51571	6.00E-19	69	72	95 +	34	105	19050	19118
UN54205	Rsa1.0_21524.1	153	1195	1.00E-17	103	113	91 -	41	153	1038	1142
UN54206	Rsa1.0_13229.1	219	4963	6.00E-67	154	160	96 +	1	160	2910	3066
UN54207	Rsa1.0_00476.1	386	280966	1.00E-137	332	356	93 -	2	357	220853	221190
UN54208	Rsa1.0_00002.1	710	601661	2.00E-54	121	125	96 -	275	399	140755	140879

UN54209	Rsa1.0.00090.1	433	273859	1.00E-162	415	437	94 -	1	433	259731	260155
UN54210	Rsa1.0.03302.1	639	23898	1.00E-76	164	170	96 -	194	363	15093	15262
UN54211	Rsa1.0.02079.1	674	35306	1.00E-156	375	400	93 -	3	396	10004	10395
UN54212	Rsa1.0.10416.1	186	5856	4.00E-52	171	186	91 +	1	186	760	937
UN54213	Rsa1.0.00485.1	792	80937	9.00E-63	141	147	95 -	121	267	9891	10037
UN54214	Rsa1.0.02678.1	670	135053	0	434	444	97 -	227	670	133644	134087
UN54215	Rsa1.0.00056.1	126	332604	3.00E-12	60	64	93 +	20	83	108318	108377
UN54216	Rsa1.0.01731.1	745	40208	3.00E-53	116	119	97 +	3	121	34860	34978
UN54217	Rsa1.0.01578.1	417	42880	3.00E-64	176	189	93 +	178	364	41438	41625
UN54218	Rsa1.0.00127.1	592	127446	1.00E-98	386	432	89 +	1	427	66888	67299
UN54219	Rsa1.0.00127.1	749	127446	0	472	497	94 +	123	613	66808	67304
UN54220	Rsa1.0.04853.1	706	15712	0	584	614	95 -	2	615	9833	10445
UN54221	Rsa1.0.08371.1	692	7458	0	497	511	97 -	5	515	1192	1702
UN54222	Rsa1.0.04403.1	709	17511	0	517	523	98 -	1	523	11200	11722
UN54223	Rsa1.0.00010.1	567	294827	8.00E-50	107	109	98 -	23	131	214330	214438
UN54224	Rsa1.0.00528.1	248	164755	2.00E-33	99	106	93 -	34	137	141222	141324
UN54225	Rsa1.0.02834.1	833	27493	0	347	353	98 -	181	533	21613	21965
UN54226	Rsa1.0.00053.1	310	263459	1.00E-165	306	310	98 -	1	310	230470	230779
UN54227	Rsa1.0.01073.1	104	55030	6.00E-28	91	98	92 -	1	98	7323	7417
UN54228	Rsa1.0.01073.1	858	55030	0	805	823	97 -	2	824	7030	7852
UN54229	Rsa1.0.01506.1	126	44370	3.00E-15	63	69	91 -	1	67	32641	32709
UN54230	Rsa1.0.00119.1	354	467509	1.00E-100	236	245	96 +	101	341	335390	335632
UN54231	Rsa1.0.09695.1	880	6206	1.00E-131	309	323	95 +	563	878	577	895
UN54232	Rsa1.0.00039.1	409	296927	5.00E-38	135	145	93 +	31	175	10918	11056
UN54233	Rsa1.0.08351.1	413	7492	6.00E-13	73	81	90 -	8	88	1628	1703
UN54234	Rsa1.0.01077.1	485	54772	1.00E-57	183	200	91 +	292	485	18951	19149
UN54235	Rsa1.0.02094.1	674	35116	0	664	674	98 -	3	674	4171	4844
UN54236	Rsa1.0.09211.1	746	6556	5.00E-55	127	132	96 -	618	746	2702	2833
UN54237	Rsa1.0.04876.1	785	15631	1.00E-107	233	245	95 -	213	451	3072	3316
UN54238	Rsa1.0.00055.1	394	520193	1.00E-179	348	358	97 -	35	392	394677	395034
UN54239	Rsa1.0.00876.1	771	61328	1.00E-160	304	310	98 +	296	605	52376	52685
UN54240	Rsa1.0.01674.1	905	168300	0	437	442	98 +	3	441	1848	2289
UN54241	Rsa1.0.04795.1	780	15950	0	422	437	96 -	347	780	10839	11275
UN54242	Rsa1.0.06918.1	801	10166	1.00E-126	246	251	98 +	1	248	537	787
UN54243	Rsa1.0.00284.1	826	323267	1.00E-134	252	255	98 -	6	260	134554	134808
UN54244	Rsa1.0.02157.1	601	149652	0	598	599	99 +	3	601	7214	7812
UN54245	Rsa1.0.00176.1	876	240984	0	477	498	95 +	1	498	17769	18263
UN54246	Rsa1.0.00369.1	659	266462	1.00E-117	226	230	98 -	54	283	20854	21083
UN54247	Rsa1.0.14550.1	297	3278	2.00E-92	210	223	94 +	75	297	632	843

UN54248	Rsa1.0.09385.1	845	6405	1.00E-163	323	331	97 +	3	332	874	1203
UN54249	Rsa1.0.01022.1	731	56606	1.00E-144	342	369	92 +	367	731	27956	28315
UN54250	Rsa1.0.00482.1	835	81162	0	507	527	96 -	310	835	68326	68851
UN54251	Rsa1.0.01866.1	630	37961	0	408	415	98 -	3	415	36635	37049
UN54252	Rsa1.0.03511.1	820	22373	1.00E-132	266	275	96 +	361	635	2676	2950
UN54253	Rsa1.0.00377.1	888	90038	1.00E-116	229	233	98 -	377	608	28480	28712
UN54254	Rsa1.0.08068.1	336	7960	1.00E-126	242	245	98 -	1	244	7580	7824
UN54255	Rsa1.0.00796.1	719	63997	1.00E-136	270	278	97 -	279	556	54326	54603
UN54256	Rsa1.0.12636.1	580	5168	7.00E-69	169	181	93 -	71	251	4237	4417
UN54257	Rsa1.0.29878.1	841	769	4.00E-99	240	259	92 +	209	456	324	582
UN54258	Rsa1.0.01352.1	248	47443	1.00E-103	203	206	98 -	1	205	8629	8834
UN54259	Rsa1.0.00327.1	830	94892	1.00E-112	218	222	98 -	489	710	63026	63247
UN54260	Rsa1.0.02082.1	678	35228	1.00E-164	530	604	87 +	89	678	15298	15900
UN54261	Rsa1.0.01552.1	816	43396	0	371	384	96 +	433	816	14249	14631
UN54262	Rsa1.0.01549.1	763	43543	1.00E-111	207	208	99 -	545	752	7754	7961
UN54263	Rsa1.0.01029.1	790	256254	1.00E-120	244	252	96 +	261	512	130650	130901
UN54264	Rsa1.0.17320.1	526	1861	1.00E-180	332	336	98 -	191	526	265	600
UN54265	Rsa1.0.45828.1	808	492	1.00E-74	297	341	87 -	13	334	1	337
UN54266	Rsa1.0.00399.1	582	242951	1.00E-109	212	216	98 -	367	582	53012	53227
UN54267	Rsa1.0.07515.1	833	9221	0	798	837	95 +	3	833	5653	6489
UN54268	Rsa1.0.00356.1	706	91521	0	631	668	94 -	51	706	46622	47286
UN54269	Rsa1.0.00389.1	742	88795	1.00E-163	325	335	97 -	409	742	62373	62707
UN54270	Rsa1.0.02647.1	620	29120	1.00E-168	302	303	99 +	318	620	7003	7305
UN54271	Rsa1.0.00761.1	503	65133	0	475	498	95 -	9	503	12877	13358
UN54272	Rsa1.0.00121.1	161	278029	2.00E-53	146	156	93 +	9	161	6707	6860
UN54273	Rsa1.0.00476.1	677	280966	1.00E-92	182	185	98 +	243	427	26167	26351
UN54274	Rsa1.0.00342.1	426	93695	2.00E-53	135	139	97 +	130	268	200	334
UN54275	Rsa1.0.00051.1	258	258225	2.00E-54	111	112	99 +	147	258	86662	86773
UN54276	Rsa1.0.29491.1	796	781	0	529	535	98 -	3	533	7	541
UN54277	Rsa1.0.00119.1	814	467509	0	774	834	92 +	2	814	48995	49807
UN54278	Rsa1.0.19102.1	338	1479	1.00E-103	208	211	98 -	128	338	766	974
UN54279	Rsa1.0.01287.1	343	49195	2.00E-24	83	90	92 +	184	273	19516	19604
UN54280	Rsa1.0.00387.1	835	495407	0	512	535	95 -	317	835	161744	162278
UN54281	Rsa1.0.01281.1	569	49313	1.00E-155	316	328	96 +	5	330	26766	27093
UN54282	Rsa1.0.05279.1	172	14277	3.00E-56	163	173	94 +	1	172	13826	13991
UN54283	Rsa1.0.00017.1	240	752458	8.00E-79	230	244	94 -	8	240	236122	236365
UN54284	Rsa1.0.00039.1	542	296927	8.00E-47	99	100	99 +	180	279	18624	18723
UN54285	Rsa1.0.00027.1	288	283362	1.00E-127	276	289	95 -	1	285	39076	39364
UN54286	Rsa1.0.00261.1	702	151157	0	359	363	98 +	340	702	105363	105725

UN54287	Rsa1.0.00598.1	808	73425	0	409	410	99 +	336	745	16629	17038
UN54288	Rsa1.0.01673.1	822	41197	0	385	393	97 +	431	822	7236	7628
UN54289	Rsa1.0.00327.1	670	94892	0	510	547	93 -	133	670	36193	36730
UN54290	Rsa1.0.00437.1	786	84879	1.00E-151	315	332	94 +	460	779	37704	38035
UN54291	Rsa1.0.05784.1	110	12643	6.00E-16	64	67	95 +	42	105	1645	1711
UN54292	Rsa1.0.00641.1	718	208241	1.00E-159	297	301	98 +	418	718	146449	146749
UN54293	Rsa1.0.05878.1	654	12344	1.00E-128	305	327	93 -	328	654	8193	8501
UN54294	Rsa1.0.00017.1	586	752458	0	577	585	98 +	2	586	71778	72362
UN54295	Rsa1.0.00535.1	791	77239	0	767	790	97 -	2	791	8086	8866
UN54296	Rsa1.0.64525.1	262	355	1.00E-114	255	266	95 -	1	262	27	290
UN54297	Rsa1.0.10443.1	748	5849	0	688	700	98 +	5	702	471	1170
UN54298	Rsa1.0.05208.1	533	14504	1.00E-117	266	282	94 +	252	533	3955	4230
UN54299	Rsa1.0.03726.1	718	21160	0	412	424	97 -	294	716	7736	8157
UN54300	Rsa1.0.01811.1	418	38977	1.00E-113	248	258	96 +	164	418	18627	18883
UN54301	Rsa1.0.00021.1	418	263655	7.00E-62	127	129	98 +	153	281	177921	178049
UN54302	Rsa1.0.03427.1	703	22992	9.00E-75	155	159	97 +	117	275	9515	9673
UN54303	Rsa1.0.00212.1	293	108350	1.00E-124	281	296	94 +	2	293	39779	40073
UN54304	Rsa1.0.05691.1	852	12918	0	801	851	94 -	3	852	548	1378
UN54305	Rsa1.0.00434.1	744	85171	0	627	645	97 -	3	647	55693	56337
UN54306	Rsa1.0.00067.1	448	415055	1.00E-161	287	287	100 +	162	448	314010	314296
UN54307	Rsa1.0.00287.1	792	98687	0	770	789	97 -	3	791	30523	31310
UN54308	Rsa1.0.00940.1	671	179946	0	635	670	94 -	4	671	5445	6107
UN54309	Rsa1.0.00030.1	684	250988	1.00E-112	218	222	98 -	26	247	166284	166505
UN54310	Rsa1.0.05832.1	790	12491	1.00E-128	241	244	98 -	3	246	10411	10654
UN54311	Rsa1.0.00971.1	504	57973	1.00E-131	290	309	93 -	3	311	20158	20457
UN54312	Rsa1.0.02165.1	446	34423	1.00E-128	312	336	92 +	63	388	11169	11502
UN54313	Rsa1.0.00449.1	735	83863	0	330	330	100 +	406	735	12219	12548
UN54314	Rsa1.0.04786.1	155	15988	2.00E-50	113	117	96 +	29	145	3306	3422
UN54315	Rsa1.0.03496.1	875	22492	0	414	419	98 -	6	422	12074	12492
UN54316	Rsa1.0.00427.1	643	189678	1.00E-82	168	172	97 +	271	442	162553	162724
UN54317	Rsa1.0.00116.1	488	365886	1.00E-122	316	340	92 -	157	488	53063	53396
UN54318	Rsa1.0.02478.1	682	150183	0	647	671	96 -	3	668	133527	134194
UN54319	Rsa1.0.02942.1	853	26577	8.00E-82	155	155	100 -	3	157	8098	8252
UN54320	Rsa1.0.03825.1	760	20623	1.00E-126	242	246	98 +	155	400	2922	3167
UN54321	Rsa1.0.10156.1	778	5972	1.00E-77	160	164	97 +	500	663	790	953
UN54322	Rsa1.0.00375.1	731	90207	4.00E-89	188	194	96 +	470	661	63770	63963
UN54323	Rsa1.0.02116.1	918	34853	1.00E-102	217	222	97 -	699	918	28350	28570
UN54324	Rsa1.0.01926.1	114	37206	2.00E-37	110	115	95 +	1	111	17848	17962
UN54325	Rsa1.0.00372.1	501	90418	0	486	506	96 -	2	501	3765	4270

UN54326	Rsa1.0.00773.1	760	64839	2.00E-94	200	208	96 -	239	446	58210	58417
UN54327	Rsa1.0.00608.1	681	172672	1.00E-176	420	460	91 +	243	681	3169	3616
UN54328	Rsa1.0.03408.1	387	23154	1.00E-107	217	221	98 +	167	386	3084	3303
UN54329	Rsa1.0.00343.1	863	93570	0	453	457	99 +	3	459	14245	14701
UN54330	Rsa1.0.01783.1	655	39383	1.00E-121	233	237	98 -	419	655	9629	9865
UN54331	Rsa1.0.22343.1	692	1129	1.00E-134	258	263	98 +	48	310	867	1129
UN54332	Rsa1.0.06803.1	673	10330	0	646	662	97 +	5	666	5466	6127
UN54333	Rsa1.0.00310.1	905	96852	1.00E-153	293	299	97 +	192	490	18297	18595
UN54334	Rsa1.0.00211.1	745	228189	1.00E-132	258	264	97 -	384	647	213211	213474
UN54335	Rsa1.0.03034.1	761	157864	0	342	343	99 +	419	761	145516	145858
UN54336	Rsa1.0.07475.1	808	9292	0	759	771	98 -	6	772	6503	7273
UN54337	Rsa1.0.10147.1	801	5976	0	351	356	98 +	3	357	748	1103
UN54338	Rsa1.0.00033.1	680	515811	5.00E-67	155	162	95 -	519	679	36833	36994
UN54339	Rsa1.0.00054.1	799	162053	0	474	486	97 +	3	482	134328	134812
UN54340	Rsa1.0.15602.1	906	2523	0	469	476	98 +	436	906	1648	2122
UN54341	Rsa1.0.00004.1	143	253996	1.00E-39	134	143	93 -	1	143	69512	69648
UN54342	Rsa1.0.00651.1	787	247766	0	417	430	96 +	315	744	226222	226651
UN54343	Rsa1.0.00036.1	799	176186	1.00E-120	228	231	98 +	301	531	28061	28291
UN54344	Rsa1.0.05792.1	697	12612	1.00E-172	324	330	98 +	368	697	1150	1479
UN54345	Rsa1.0.00012.1	417	222148	1.00E-60	150	155	96 -	12	166	10988	11138
UN54346	Rsa1.0.00088.1	542	141341	1.00E-149	388	424	91 -	85	500	66452	66870
UN54347	Rsa1.0.04292.1	809	18050	1.00E-154	286	289	98 +	244	532	5306	5594
UN54348	Rsa1.0.00602.1	497	73302	1.00E-161	324	335	96 -	2	335	31694	32028
UN54349	Rsa1.0.09986.1	792	6049	1.00E-108	324	361	89 -	85	444	5215	5570
UN54350	Rsa1.0.00127.1	418	127446	0	402	416	96 -	3	417	23439	23850
UN54351	Rsa1.0.03086.1	838	25495	5.00E-49	109	112	97 +	448	559	2350	2461
UN54352	Rsa1.0.00051.1	798	258225	1.00E-154	339	359	94 +	3	361	113688	114039
UN54353	Rsa1.0.00048.1	822	167185	3.00E-84	177	183	96 +	473	655	158599	158781
UN54354	Rsa1.0.04250.1	532	18264	2.33E-156	275	278	98 +	256	532	14217	14494
UN54355	Rsa1.0.04654.1	600	16496	1.00E-154	321	334	96 -	58	391	6418	6747
UN54356	Rsa1.0.09450.1	801	6360	0	559	575	97 -	141	715	4608	5182
UN54357	Rsa1.0.00330.1	744	94666	0	598	623	95 +	2	615	84330	84951
UN54358	Rsa1.0.00701.1	749	67691	0	635	646	98 -	13	657	17250	17894
UN54359	Rsa1.0.00251.1	647	303968	1.00E-147	324	339	95 -	9	342	148513	148850
UN54360	Rsa1.0.03921.1	724	20080	0	390	408	95 -	317	724	8030	8437
UN54361	Rsa1.0.01147.1	858	52391	0	838	850	98 -	6	855	8287	9136
UN54362	Rsa1.0.07645.1	868	8949	1.00E-165	322	330	97 +	540	868	451	780
UN54363	Rsa1.0.00713.1	769	158017	0	419	428	97 -	343	769	25955	26381
UN54364	Rsa1.0.03564.1	748	22068	0	509	526	96 -	183	707	14015	14535

UN54365	Rsa1.0.03327.1	460	23707	1.00E-177	432	461	93 +	1	458	17674	18128
UN54366	Rsa1.0.00730.1	516	66673	0	500	516	96 -	1	516	26386	26899
UN54367	Rsa1.0.00438.1	782	84861	1.00E-102	195	197	98 +	71	267	65780	65976
UN54368	Rsa1.0.01182.1	827	167304	0	749	793	94 -	37	827	131397	132187
UN54369	Rsa1.0.00163.1	853	116847	6.00E-61	123	124	99 +	252	375	57621	57744
UN54370	Rsa1.0.00860.1	810	61789	1.00E-174	331	338	97 -	17	354	13435	13772
UN54371	Rsa1.0.04036.1	468	19473	1.00E-107	209	213	98 +	2	214	1132	1344
UN54372	Rsa1.0.63857.1	800	359	1.00E-159	322	329	97 -	476	800	31	359
UN54373	Rsa1.0.00016.1	120	831256	2.00E-28	99	108	91 +	1	108	576680	576785
UN54374	Rsa1.0.00133.1	541	123768	1.00E-109	201	201	100 -	341	541	52102	52302
UN54375	Rsa1.0.00096.1	509	198773	1.00E-151	372	407	91 -	1	384	34990	35395
UN54376	Rsa1.0.23985.1	757	1013	0	515	523	98 -	1	519	1	523
UN54377	Rsa1.0.04591.1	768	16717	4.00E-37	116	128	90 +	441	568	7075	7202
UN54378	Rsa1.0.19075.1	774	1483	0	535	554	96 +	227	774	2	549
UN54379	Rsa1.0.00066.1	611	152418	1.00E-173	311	312	99 +	300	611	83634	83945
UN54380	Rsa1.0.00339.1	751	222974	0	436	456	95 -	300	751	92508	92960
UN54381	Rsa1.0.00114.1	716	131330	2.00E-42	92	93	98 -	533	625	9043	9135
UN54382	Rsa1.0.74241.1	799	309	1.00E-159	302	307	98 +	139	443	3	309
UN54383	Rsa1.0.14032.1	667	3893	0	585	629	93 -	3	613	367	988
UN54384	Rsa1.0.10576.1	630	5797	1.00E-118	255	266	95 +	365	630	3248	3510
UN54385	Rsa1.0.00236.1	741	104771	0	448	449	99 +	293	741	58482	58930
UN54386	Rsa1.0.01767.1	672	39615	1.00E-120	228	231	98 +	3	233	29109	29339
UN54387	Rsa1.0.24531.1	649	982	0	580	605	95 -	45	649	113	717
UN54388	Rsa1.0.00636.1	719	71113	0	397	400	99 +	320	719	10262	10660
UN54389	Rsa1.0.05044.1	684	15041	0	430	443	97 -	3	445	11257	11698
UN54390	Rsa1.0.22545.1	729	1111	0	490	499	98 +	231	729	1	499
UN54391	Rsa1.0.08780.1	687	6928	1.00E-109	247	259	95 +	426	681	4415	4672
UN54392	Rsa1.0.03816.1	705	20701	0	636	678	93 -	5	681	4539	5213
UN54393	Rsa1.0.01421.1	750	46197	1.00E-125	248	255	97 -	122	376	30027	30281
UN54394	Rsa1.0.05680.1	808	12958	1.00E-138	271	278	97 -	412	689	4947	5224
UN54395	Rsa1.0.00561.1	833	75653	0	429	433	99 -	401	833	4621	5053
UN54396	Rsa1.0.01669.1	723	41286	1.00E-126	247	253	97 -	145	397	12514	12766
UN54397	Rsa1.0.01857.1	356	38103	3.00E-67	137	138	99 +	157	294	4693	4829
UN54398	Rsa1.0.00917.1	652	182012	0	606	621	97 +	3	623	153742	154362
UN54399	Rsa1.0.00929.1	873	137796	0	428	429	99 +	3	431	132011	132439
UN54400	Rsa1.0.06131.1	756	11665	0	700	752	93 -	5	755	8405	9155
UN54401	Rsa1.0.01733.1	473	40186	1.00E-82	165	168	98 -	306	473	17703	17870
UN54402	Rsa1.0.02420.1	689	31580	0	580	629	92 -	64	678	28219	28846
UN54403	Rsa1.0.00653.1	370	70029	5.00E-41	125	133	93 +	132	264	40673	40800

UN54404	Rsa1.0.00089.1	491	406142	3.00E-92	214	225	95 +	269	491	345785	346005
UN54405	Rsa1.0.00548.1	783	76518	1.00E-156	293	296	98 -	488	782	36236	36531
UN54406	Rsa1.0.00833.1	677	62621	0	408	419	97 +	260	677	39627	40045
UN54407	Rsa1.0.00385.1	298	89160	6.00E-46	122	126	96 +	173	298	47991	48112
UN54408	Rsa1.0.00346.1	871	93130	1.00E-157	296	301	98 -	3	303	59225	59525
UN54409	Rsa1.0.02616.1	700	29542	0	672	693	96 -	8	700	23527	24219
UN54410	Rsa1.0.00205.1	850	193401	1.00E-160	344	361	95 +	493	850	77712	78062
UN54411	Rsa1.0.02253.1	799	33356	0	544	570	95 -	3	567	11611	12176
UN54412	Rsa1.0.00200.1	739	162016	0	734	740	99 +	3	739	22163	22902
UN54413	Rsa1.0.09695.1	673	6206	0	419	422	99 -	252	673	1250	1671
UN54414	Rsa1.0.01536.1	830	43747	0	429	445	96 -	387	829	32240	32683
UN54415	Rsa1.0.00114.1	596	131330	1.00E-180	399	424	94 +	168	586	120091	120514
UN54416	Rsa1.0.00473.1	681	212204	0	490	509	96 +	26	534	76191	76699
UN54417	Rsa1.0.05648.1	748	13049	0	646	668	96 -	82	748	12382	13049
UN54418	Rsa1.0.00096.1	734	198773	0	618	650	95 +	90	734	117624	118255
UN54419	Rsa1.0.00451.1	845	322533	0	572	604	94 -	10	609	248604	249205
UN54420	Rsa1.0.02456.1	766	31222	1.00E-119	242	250	96 -	516	765	23759	24004
UN54421	Rsa1.0.00436.1	409	85008	1.00E-103	243	262	92 -	159	409	64204	64461
UN54422	Rsa1.0.02787.1	590	27872	6.00E-20	93	107	86 -	6	112	17463	17569
UN54423	Rsa1.0.03069.1	360	25615	0	355	358	99 -	3	360	22444	22801
UN54424	Rsa1.0.55409.1	384	412	5.00E-35	94	100	94 -	1	100	96	195
UN54425	Rsa1.0.00802.1	851	63846	1.00E-117	254	265	95 -	587	847	29689	29953
UN54426	Rsa1.0.01531.1	753	43778	0	484	505	95 +	2	506	14945	15449
UN54427	Rsa1.0.45068.1	670	500	0	379	391	96 -	1	391	1	391
UN54428	Rsa1.0.34128.1	583	664	2.00E-75	182	192	94 -	346	532	2	191
UN54429	Rsa1.0.01220.1	373	161775	1.00E-124	334	374	89 +	2	373	121551	121895
UN54430	Rsa1.0.00055.1	822	520193	0	486	508	95 -	126	633	276693	277200
UN54431	Rsa1.0.00339.1	516	222974	0	507	515	98 +	2	516	36185	36699
UN54432	Rsa1.0.00016.1	837	831256	9.00E-63	162	175	92 +	405	579	663018	663192
UN54433	Rsa1.0.03646.1	526	21598	1.00E-131	261	269	97 -	2	270	11101	11369
UN54434	Rsa1.0.02858.1	762	27246	0	649	704	92 +	2	684	20058	20761
UN54435	Rsa1.0.02762.1	785	28146	1.00E-132	248	251	98 +	3	253	19730	19980
UN54436	Rsa1.0.00386.1	376	89134	0	343	349	98 -	29	376	57896	58244
UN54437	Rsa1.0.04586.1	870	16748	2.00E-17	136	167	81 -	343	500	10998	11164
UN54438	Rsa1.0.16139.1	674	2268	1.00E-116	218	220	99 -	117	336	686	905
UN54439	Rsa1.0.00066.1	585	152418	1.00E-156	329	345	95 +	107	451	66553	66888
UN54440	Rsa1.0.30821.1	577	744	0	421	440	95 -	140	577	315	744
UN54441	Rsa1.0.00675.1	752	145590	1.00E-127	258	267	96 -	163	429	45811	46077
UN54442	Rsa1.0.07965.1	786	8166	1.00E-149	338	360	93 -	326	682	4405	4756

UN54443	Rsa1.0.07193.1	825	9752	4.00E-99	219	228	96 +	3	228	1447	1674
UN54444	Rsa1.0.00079.1	794	606987	1.00E-156	359	383	93 -	45	421	66614	66995
UN54445	Rsa1.0.00438.1	269	84861	2.00E-21	92	100	92 +	171	268	77250	77346
UN54446	Rsa1.0.05179.1	443	14576	4.00E-79	181	190	95 -	255	443	13053	13242
UN54447	Rsa1.0.00123.1	840	325650	1.00E-154	396	432	91 +	5	433	122275	122685
UN54448	Rsa1.0.00078.1	249	175053	1.00E-112	240	248	96 +	2	245	53191	53438
UN54449	Rsa1.0.01451.1	306	45459	1.00E-158	299	304	98 +	3	306	35228	35528
UN54450	Rsa1.0.00599.1	783	73418	0	757	784	96 +	2	783	53830	54613
UN54451	Rsa1.0.02299.1	702	32857	3.00E-47	103	105	98 +	506	610	23010	23114
UN54452	Rsa1.0.00926.1	719	195072	0	699	718	97 -	2	719	44642	45353
UN54453	Rsa1.0.00378.1	812	89892	0	378	379	99 +	188	566	42190	42568
UN54454	Rsa1.0.00543.1	863	76788	1.00E-123	264	277	95 -	143	419	44960	45236
UN54455	Rsa1.0.00451.1	229	322533	2.00E-94	213	221	96 -	1	221	262015	262229
UN54456	#	#	#	#	#	#	#	#	#	#	#
UN54457	Rsa1.0.08388.1	583	7436	0	511	518	98 -	55	571	3041	3558
UN54458	Rsa1.0.22307.1	674	1132	1.00E-143	324	344	94 -	2	342	26	363
UN54459	Rsa1.0.01099.1	745	158481	1.00E-138	326	352	92 -	394	745	15639	15984
UN54460	Rsa1.0.02866.1	819	27122	0	443	444	99 -	376	819	9726	10169
UN54461	Rsa1.0.00113.1	333	131574	3.00E-76	158	161	98 +	173	333	60574	60733
UN54462	Rsa1.0.44085.1	798	510	1.00E-137	277	287	96 -	221	507	120	406
UN54463	Rsa1.0.00364.1	314	90951	1.00E-129	301	313	96 +	1	313	63339	63642
UN54464	Rsa1.0.00135.1	247	178077	3.00E-75	213	227	93 +	1	223	64073	64296
UN54465	Rsa1.0.00586.1	270	163802	8.00E-76	234	250	93 +	8	256	108981	109218
UN54466	Rsa1.0.50581.1	336	449	5.00E-90	201	207	97 -	2	208	87	288
UN54467	Rsa1.0.00090.1	240	273859	6.00E-55	176	188	93 -	32	219	171812	171990
UN54468	Rsa1.0.00662.1	795	192183	0	575	577	99 +	8	584	67039	67615
UN54469	Rsa1.0.07813.1	632	8493	0	430	430	100 -	203	632	1044	1473
UN54470	Rsa1.0.01825.1	632	38725	0	479	480	99 -	154	632	27130	27609
UN54471	Rsa1.0.01779.1	116	39448	1.00E-35	86	88	97 -	6	92	33732	33819
UN54472	Rsa1.0.07584.1	131	9081	3.00E-49	127	134	94 +	1	131	2794	2927
UN54473	Rsa1.0.01456.1	224	45372	5.00E-43	205	224	91 -	1	224	3613	3820
UN54474	Rsa1.0.02185.1	313	34150	3.00E-17	99	109	90 -	3	111	21353	21454
UN54475	Rsa1.0.00281.1	357	99908	1.00E-152	341	352	96 -	8	357	65770	66113
UN54476	Rsa1.0.00141.1	422	121494	8.00E-68	228	249	91 -	1	249	32100	32337
UN54477	Rsa1.0.03764.1	635	20971	0	629	631	99 +	5	635	13045	13675
UN54478	Rsa1.0.00348.1	830	92818	0	391	406	96 -	426	830	49632	50033
UN54479	Rsa1.0.10714.1	639	5748	0	373	384	97 +	260	639	4278	4660
UN54480	Rsa1.0.00127.1	222	127446	1.00E-46	116	119	97 +	36	154	15124	15239
UN54481	Rsa1.0.00067.1	773	415055	3.00E-50	128	136	94 -	76	211	389887	390019

UN54482	Rsa1.0.32857.1	107	692	1.00E-16	86	96	89 -	5	100	163	255
UN54483	Rsa1.0.01604.1	608	42461	0	598	607	98 +	2	608	28427	29033
UN54484	Rsa1.0.01567.1	785	43090	1.00E-165	339	351	96 -	191	540	11163	11512
UN54485	Rsa1.0.03937.1	469	19969	1.00E-107	251	270	92 -	218	469	3032	3301
UN54486	Rsa1.0.00307.1	784	199003	0	451	471	95 -	7	476	56392	56853
UN54487	Rsa1.0.55271.1	596	413	1.00E-168	306	308	99 -	2	309	1	308
UN54488	Rsa1.0.00533.1	136	77375	8.00E-19	121	134	90 +	3	136	45493	45615
UN54489	Rsa1.0.00466.1	322	82132	1.00E-138	310	324	95 -	2	322	23693	24014
UN54490	Rsa1.0.03031.1	172	25839	5.00E-39	142	154	92 +	17	170	24691	24838
UN54491	Rsa1.0.00059.1	465	159650	1.00E-29	73	75	97 -	391	465	132036	132110
UN54492	Rsa1.0.02022.1	770	35923	1.00E-105	200	202	99 +	59	260	12645	12846
UN54493	Rsa1.0.00420.1	750	86496	1.00E-142	282	288	97 +	459	745	6921	7207
UN54494	#	#	#	#	#	#	#	#	#	#	#
UN54495	Rsa1.0.01649.1	737	41624	1.00E-140	277	285	97 +	3	287	34425	34709
UN54496	Rsa1.0.00408.1	726	176752	0	683	693	98 +	35	726	158973	159665
UN54497	Rsa1.0.00937.1	704	59061	0	332	333	99 +	372	704	30120	30452
UN54498	Rsa1.0.01351.1	753	47498	0	502	511	98 -	245	753	18722	19232
UN54499	Rsa1.0.06179.1	789	11548	2.00E-70	136	136	100 +	480	615	7112	7247
UN54500	Rsa1.0.02711.1	701	28475	0	661	683	96 -	2	684	8786	9468
UN54501	Rsa1.0.02588.1	788	29840	0	378	388	97 -	2	389	28844	29226
UN54502	Rsa1.0.00965.1	451	58139	1.00E-107	197	197	100 +	255	451	2060	2256
UN54503	Rsa1.0.00078.1	680	175053	1.00E-103	247	262	94 -	423	680	42644	42905
UN54504	Rsa1.0.01606.1	855	42432	0	645	664	97 -	200	855	9169	9832
UN54505	Rsa1.0.01540.1	841	151890	1.00E-123	236	240	98 -	441	680	144792	145031
UN54506	Rsa1.0.00104.1	853	368722	1.00E-122	290	311	93 +	25	332	167025	167332
UN54507	Rsa1.0.04340.1	540	17831	0	534	538	99 +	3	540	4040	4576
UN54508	Rsa1.0.00548.1	828	76518	3.00E-87	167	168	99 -	401	568	37246	37413
UN54509	Rsa1.0.04260.1	809	18238	0	702	776	90 +	37	809	11207	11946
UN54510	Rsa1.0.00071.1	808	345714	1.00E-148	286	290	98 -	521	808	336644	336933
UN54511	Rsa1.0.07850.1	739	8423	3.00E-99	295	329	89 +	194	496	5806	6134
UN54512	Rsa1.0.01444.1	807	169539	1.00E-160	321	333	96 -	482	807	132459	132791
UN54513	Rsa1.0.02871.1	635	27085	0	368	376	97 -	260	635	1640	2014
UN54514	Rsa1.0.00806.1	730	63674	0	401	413	97 +	2	414	4163	4575
UN54515	Rsa1.0.31836.1	780	717	1.00E-113	226	232	97 +	358	589	1	232
UN54516	Rsa1.0.00077.1	776	145005	2.00E-85	173	177	97 -	4	180	70040	70216
UN54517	Rsa1.0.00156.1	462	118383	1.00E-136	254	257	98 +	206	462	39658	39914
UN54518	Rsa1.0.04387.1	835	17625	1.00E-140	300	312	96 +	526	834	7389	7699
UN54519	Rsa1.0.00391.1	705	183853	1.00E-108	202	203	99 -	324	526	33142	33344
UN54520	Rsa1.0.00868.1	520	61630	3.00E-92	232	252	92 -	166	417	28178	28429

UN54521	Rsa1.0.01476.1	566	172928	0	536	566	94 +	1	566	10887	11439
UN54522	Rsa1.0.00104.1	757	368722	7.00E-48	203	238	85 -	19	256	175033	175270
UN54523	Rsa1.0.01436.1	847	45894	1.00E-95	190	194	97 +	414	607	14569	14762
UN54524	Rsa1.0.04646.1	638	16541	0	614	635	96 -	4	637	4233	4866
UN54525	Rsa1.0.00010.1	859	294827	1.00E-171	347	361	96 -	5	365	124003	124363
UN54526	Rsa1.0.00192.1	769	278200	1.00E-168	445	489	91 +	26	510	90290	90775
UN54527	Rsa1.0.00451.1	117	322533	7.00E-28	93	99	93 -	1	99	997	1092
UN54528	Rsa1.0.03764.1	611	20971	1.00E-132	448	516	86 +	36	550	14256	14767
UN54529	Rsa1.0.00038.1	645	314568	0	609	656	92 +	3	645	272230	272885
UN54530	Rsa1.0.01364.1	769	47172	0	492	503	97 -	239	741	35257	35759
UN54531	Rsa1.0.00208.1	786	108565	0	479	525	91 -	144	664	24737	25234
UN54532	Rsa1.0.00069.1	305	403561	2.33E-156	297	306	97 +	2	305	14838	15143
UN54533	Rsa1.0.03646.1	111	21598	4.00E-23	83	87	95 -	12	98	7637	7719
UN54534	Rsa1.0.00864.1	742	61702	0	402	409	98 +	334	742	23698	24106
UN54535	Rsa1.0.00418.1	851	215377	1.00E-102	190	190	100 +	482	671	14667	14856
UN54536	Rsa1.0.01704.1	702	40711	1.00E-117	231	236	97 +	160	392	4393	4628
UN54537	Rsa1.0.03774.1	545	20932	1.00E-150	305	314	97 +	4	317	6510	6821
UN54538	Rsa1.0.00978.1	142	57739	5.00E-54	142	147	96 +	1	142	42782	42928
UN54539	Rsa1.0.06168.1	747	11580	7.00E-54	150	161	93 +	381	536	7866	8025
UN54540	Rsa1.0.03949.1	858	19899	1.00E-123	237	240	98 +	3	241	7428	7667
UN54541	Rsa1.0.00356.1	652	91521	0	609	676	90 +	1	652	37926	38583
UN54542	Rsa1.0.00225.1	883	105892	0	851	881	96 -	3	881	71406	72283
UN54543	Rsa1.0.01625.1	707	42019	1.00E-140	268	273	98 -	435	707	20460	20732
UN54544	#	#	#	#	#	#	#	#	#	#	#
UN54545	Rsa1.0.08955.1	323	6754	5.00E-93	188	193	97 +	1	193	6451	6643
UN54546	Rsa1.0.05748.1	779	12749	0	772	779	99 -	1	779	11377	12155
UN54547	Rsa1.0.00067.1	765	415055	0	557	585	95 -	168	744	227602	228184
UN54548	Rsa1.0.02430.1	352	31506	1.00E-93	259	273	94 -	5	277	12980	13240
UN54549	Rsa1.0.01484.1	100	44806	2.00E-15	77	82	93 -	1	82	14433	14509
UN54550	Rsa1.0.00108.1	747	478491	1.00E-126	304	329	92 +	62	375	7746	8074
UN54551	Rsa1.0.00113.1	787	131574	0	576	589	97 +	144	732	7814	8402
UN54552	Rsa1.0.00805.1	310	63724	1.00E-149	275	276	99 +	33	308	5626	5900
UN54553	Rsa1.0.00008.1	283	358124	1.00E-132	271	282	96 +	2	283	62302	62583
UN54554	Rsa1.0.00374.1	666	165738	1.00E-177	327	331	98 +	1	331	128276	128606
UN54555	Rsa1.0.00065.1	840	454616	6.00E-70	138	139	99 +	239	377	23814	23952
UN54556	Rsa1.0.02220.1	818	176031	0	739	800	92 -	35	818	168893	169668
UN54557	Rsa1.0.00566.1	790	75325	1.00E-124	309	332	93 -	451	782	24535	24860
UN54558	Rsa1.0.00258.1	532	102381	0	527	531	99 -	2	532	47601	48131
UN54559	Rsa1.0.00453.1	843	83031	0	413	424	97 +	425	843	75551	75974

UN54560	Rsa1.0.00065.1	847	454616	1.00E-135	265	272	97 -	102	373	40865	41136
UN54561	Rsa1.0.02121.1	585	34813	0	533	581	91 -	1	581	15415	15995
UN54562	Rsa1.0.01583.1	599	156297	7.00E-63	123	123	100 -	183	305	129792	129914
UN54563	Rsa1.0.00169.1	780	274298	0	532	555	95 -	235	780	27329	27880
UN54564	Rsa1.0.05479.1	844	13603	5.00E-80	161	164	98 +	426	589	4476	4639
UN54565	Rsa1.0.00358.1	884	91293	1.00E-125	243	247	98 +	260	505	32622	32868
UN54566	Rsa1.0.00636.1	778	71113	0	741	803	92 -	2	778	39143	39924
UN54567	Rsa1.0.07657.1	828	8896	0	515	518	99 +	3	520	7402	7919
UN54568	Rsa1.0.14876.1	599	2997	3.00E-40	115	125	92 -	178	302	2248	2372
UN54569	Rsa1.0.02678.1	792	135053	1.00E-150	343	367	93 -	3	363	130452	130810
UN54570	Rsa1.0.05153.1	790	14663	1.00E-140	274	281	97 -	1	281	2220	2500
UN54571	Rsa1.0.03088.1	471	25476	0	353	359	98 +	114	471	500	858
UN54572	Rsa1.0.05743.1	629	12768	1.00E-137	281	290	96 +	342	629	222	510
UN54573	Rsa1.0.02751.1	561	28238	0	531	565	93 -	2	561	15955	16517
UN54574	Rsa1.0.02070.1	860	158516	1.00E-138	255	257	99 -	313	569	1816	2072
UN54575	Rsa1.0.00350.1	593	92346	1.00E-134	248	250	99 +	3	252	50551	50800
UN54576	Rsa1.0.01925.1	834	37220	1.00E-144	299	309	96 +	3	308	5430	5736
UN54577	Rsa1.0.00145.1	777	261008	1.00E-103	325	371	87 -	422	773	95967	96323
UN54578	Rsa1.0.00050.1	252	237174	3.00E-63	219	247	88 +	6	252	4987	5220
UN54579	Rsa1.0.02884.1	677	27034	0	480	496	96 -	182	677	8131	8626
UN54580	Rsa1.0.01145.1	730	149247	1.00E-98	198	203	97 +	424	626	108241	108443
UN54581	Rsa1.0.04601.1	530	16686	0	341	344	99 -	3	344	13360	13703
UN54582	Rsa1.0.02218.1	740	33809	0	702	733	95 +	8	740	24480	25209
UN54583	Rsa1.0.06571.1	674	10750	6.00E-48	98	98	100 -	322	419	8062	8159
UN54584	Rsa1.0.04698.1	359	16335	1.00E-151	313	327	95 -	2	328	7896	8222
UN54585	Rsa1.0.00769.1	557	64911	0	554	558	99 -	1	557	35772	36329
UN54586	Rsa1.0.03576.1	656	21986	1.00E-111	204	204	100 +	453	656	2933	3136
UN54587	Rsa1.0.04211.1	709	18440	0	569	616	92 -	1	602	1578	2188
UN54588	Rsa1.0.00066.1	157	152418	3.00E-74	153	157	97 -	1	157	94568	94724
UN54589	Rsa1.0.00250.1	127	273771	8.00E-28	104	116	89 -	1	116	243541	243651
UN54590	Rsa1.0.08961.1	398	6750	1.00E-105	306	338	90 +	1	336	4417	4752
UN54591	Rsa1.0.05293.1	207	14237	2.00E-17	52	54	96 +	30	83	9874	9927
UN54592	Rsa1.0.00743.1	846	177459	0	616	620	99 +	173	792	111928	112547
UN54593	Rsa1.0.04223.1	434	18407	1.00E-125	312	338	92 +	27	364	9488	9816
UN54594	Rsa1.0.20706.1	107	1277	2.00E-37	104	110	94 +	1	107	1019	1128
UN54595	Rsa1.0.16597.1	451	2098	1.00E-108	253	271	93 -	184	450	1485	1755
UN54596	Rsa1.0.06978.1	120	10073	4.00E-11	53	59	89 +	8	66	1842	1900
UN54597	Rsa1.0.04085.1	147	19168	3.00E-49	126	135	93 +	3	137	1989	2123
UN54598	Rsa1.0.00321.1	179	95671	1.00E-49	135	140	96 +	31	170	27452	27586

UN54599	#	#	#	#	#	#	#	#	#	#	#	#
UN54600	Rsa1.0_00417.1	156	395068	2.00E-59	148	156	94 +	1	156	13671	13824	
UN54601	Rsa1.0_00190.1	549	318240	1.00E-148	371	396	93 +	4	390	300531	300925	
UN54602	Rsa1.0_00284.1	216	323267	8.00E-88	203	216	93 +	1	216	132183	132398	
UN54603	Rsa1.0_09385.1	538	6405	1.00E-178	400	428	93 -	4	431	3450	3877	
UN54604	Rsa1.0_00294.1	816	144860	0	724	749	96 +	68	816	115613	116360	
UN54605	Rsa1.0_00026.1	188	327835	4.00E-83	180	188	95 -	1	188	152538	152725	
UN54606	Rsa1.0_44971.1	779	501	0	354	358	98 -	2	359	15	372	
UN54607	Rsa1.0_00228.1	734	105511	1.00E-110	211	214	98 +	521	734	39328	39541	
UN54608	Rsa1.0_04819.1	517	140505	1.00E-103	238	250	95 -	1	247	5268	5512	
UN54609	Rsa1.0_02082.1	126	35228	2.00E-37	113	123	91 -	5	126	15720	15842	
UN54610	Rsa1.0_01058.1	331	55430	1.00E-180	328	331	99 +	1	331	32159	32489	
UN54611	Rsa1.0_07835.1	131	8453	3.00E-49	120	127	94 -	1	127	6385	6511	
UN54612	Rsa1.0_03072.1	682	25577	0	369	373	98 -	1	373	14936	15308	
UN54613	Rsa1.0_01549.1	711	43543	0	704	711	99 +	3	711	6285	6995	
UN54614	Rsa1.0_01448.1	496	45645	1.00E-54	139	149	93 +	1	149	39465	39613	
UN54615	Rsa1.0_01029.1	150	256254	6.00E-63	131	134	97 -	8	141	131721	131854	
UN54616	Rsa1.0_00399.1	827	242951	1.00E-140	307	321	95 +	1	320	51523	51841	
UN54617	Rsa1.0_00356.1	790	91521	1.00E-106	237	248	95 +	12	259	45150	45391	
UN54618	Rsa1.0_00351.1	140	413096	2.00E-28	73	76	96 -	65	140	242134	242209	
UN54619	Rsa1.0_05043.1	432	15044	1.00E-151	324	339	95 -	3	340	332	664	
UN54620	Rsa1.0_03069.1	809	25615	0	364	370	98 +	440	809	18568	18937	
UN54621	Rsa1.0_00025.1	733	277312	0	380	383	99 -	1	383	226605	226987	
UN54622	Rsa1.0_00719.1	508	66952	1.00E-125	259	267	97 -	1	266	44599	44863	
UN54623	Rsa1.0_00158.1	141	117999	4.00E-67	138	141	97 -	1	141	100445	100585	
UN54624	Rsa1.0_00991.1	643	143101	0	404	415	97 -	229	643	133543	133957	
UN54625	Rsa1.0_00327.1	801	94892	0	552	586	94 +	217	801	35603	36183	
UN54626	Rsa1.0_00535.1	609	77239	0	474	515	92 +	109	609	6987	7499	
UN54627	Rsa1.0_00054.1	694	162053	1.00E-165	298	299	99 +	1	299	151824	152122	
UN54628	Rsa1.0_02096.1	691	35041	0	465	469	99 -	1	468	4771	5239	
UN54629	Rsa1.0_08133.1	107	7852	7.00E-40	98	103	95 -	5	107	2038	2140	
UN54630	Rsa1.0_01811.1	541	38977	0	539	541	99 -	1	541	19046	19585	
UN54631	Rsa1.0_00369.1	142	266462	1.00E-29	69	70	98 +	73	142	5136	5205	
UN54632	Rsa1.0_02565.1	247	30046	2.00E-39	83	83	100 -	113	195	27406	27488	
UN54633	Rsa1.0_00434.1	786	85171	0	755	768	98 +	3	770	54016	54783	
UN54634	Rsa1.0_00853.1	156	62101	2.00E-53	139	150	92 +	7	156	41721	41870	
UN54635	Rsa1.0_00434.1	413	85171	1.00E-97	199	205	97 -	1	205	36365	36569	
UN54636	Rsa1.0_00449.1	726	83863	0	617	622	99 -	8	629	13044	13665	
UN54637	Rsa1.0_00195.1	674	251884	0	453	483	93 -	1	469	208307	208786	

UN54638	Rsa1.0.02450.1	813	31288	1.00E-166	396	430	92 +	1	430	17961	18367
UN54639	Rsa1.0.06883.1	844	10210	0	478	501	95 +	2	494	5349	5845
UN54640	Rsa1.0.08583.1	612	7161	1.00E-160	349	370	94 +	5	374	960	1329
UN54641	Rsa1.0.02116.1	891	34853	2.00E-76	161	166	96 +	527	692	27429	27594
UN54642	Rsa1.0.00034.1	299	260119	4.00E-35	88	92	95 -	116	207	89035	89126
UN54643	Rsa1.0.01578.1	291	42880	7.00E-92	261	291	89 -	1	291	31376	31666
UN54644	Rsa1.0.00127.1	324	127446	4.00E-84	279	317	88 -	11	316	114976	115290
UN54645	Rsa1.0.36288.1	305	621	5.00E-28	67	68	98 +	226	293	1	68
UN54646	Rsa1.0.01119.1	200	53459	1.00E-77	175	183	95 -	11	192	23902	24084
UN54647	Rsa1.0.02994.1	230	26168	1.00E-107	218	225	96 +	6	230	2351	2575
UN54648	Rsa1.0.01827.1	736	143321	0	342	343	99 -	1	343	135719	136061
UN54649	Rsa1.0.03565.1	953	22062	1.00E-112	276	301	91 +	57	347	1974	2274
UN54650	Rsa1.0.00047.1	643	168582	1.00E-160	305	309	98 -	1	309	5017	5322
UN54651	Rsa1.0.00033.1	628	515811	0	590	618	95 +	1	618	36139	36748
UN54652	Rsa1.0.05293.1	494	14237	1.00E-143	351	382	91 +	109	490	6325	6706
UN54653	Rsa1.0.03295.1	191	23970	1.00E-64	167	181	92 -	9	189	6866	7046
UN54654	Rsa1.0.00805.1	251	63724	1.00E-106	237	251	94 +	1	251	13674	13924
UN54655	Rsa1.0.01208.1	705	50718	4.00E-80	170	176	96 -	28	203	27949	28124
UN54656	Rsa1.0.00123.1	220	325650	2.00E-32	95	103	92 +	59	161	60409	60511
UN54657	Rsa1.0.04071.1	140	19243	5.00E-48	109	113	96 +	25	137	11237	11349
UN54658	Rsa1.0.48795.1	752	464	1.00E-142	313	328	95 +	426	752	1	326
UN54659	Rsa1.0.00053.1	828	263459	0	602	667	90 -	165	828	192627	193292
UN54660	Rsa1.0.15978.1	706	2333	0	362	372	97 -	9	375	1	370
UN54661	Rsa1.0.03921.1	694	20080	1.00E-177	355	366	96 +	2	365	7139	7504
UN54662	Rsa1.0.00707.1	854	190112	1.00E-157	305	312	97 +	1	310	155116	155427
UN54663	Rsa1.0.00101.1	601	267193	0	478	498	95 -	3	499	161020	161511
UN54664	Rsa1.0.00438.1	686	84861	0	352	352	100 -	278	629	67511	67862
UN54665	Rsa1.0.01762.1	129	39682	1.00E-35	88	92	95 +	3	94	7176	7267
UN54666	Rsa1.0.01182.1	334	167304	1.00E-129	309	332	93 +	6	334	131327	131658
UN54667	Rsa1.0.02429.1	171	31527	6.00E-57	153	166	92 -	9	171	17279	17444
UN54668	Rsa1.0.00001.1	331	363028	2.00E-83	199	213	93 +	1	213	315047	315259
UN54669	Rsa1.0.02438.1	196	31392	2.00E-66	186	202	92 -	1	196	4159	4356
UN54670	Rsa1.0.00096.1	287	198773	1.00E-114	271	290	93 +	1	287	32958	33246
UN54671	Rsa1.0.04573.1	465	16789	1.00E-119	217	217	100 -	5	221	2938	3154
UN54672	#	#	#	#	#	#	#	#	#	#	#
UN54673	Rsa1.0.00948.1	184	58620	3.00E-56	129	135	95 -	45	179	50456	50590
UN54674	Rsa1.0.00875.1	596	61371	0	575	596	96 +	1	596	6987	7582
UN54675	Rsa1.0.02935.1	117	26621	9.00E-43	106	112	94 +	6	117	24481	24592
UN54676	Rsa1.0.03605.1	128	21827	1.00E-45	111	117	94 -	1	117	20346	20462

UN54677	#	#	#	#	#	#	#	#	#	#	#	#
UN54678	Rsa1.0_01969.1	811	153351	0	369	385	95 +	2	385	15024	15399	
UN54679	Rsa1.0_00300.1	296	97747	1.00E-123	273	289	94 -	1	289	82807	83091	
UN54680	Rsa1.0_00051.1	322	258225	1.00E-139	304	322	94 +	1	322	119617	119938	
UN54681	Rsa1.0_01869.1	598	37928	0	580	593	97 +	6	598	6776	7368	
UN54682	Rsa1.0_01421.1	773	46197	0	353	361	97 +	1	361	27422	27781	
UN54683	Rsa1.0_00077.1	812	145005	0	474	485	97 -	3	487	18639	19123	
UN54684	Rsa1.0_13238.1	747	4960	1.00E-123	290	310	93 -	3	305	2473	2780	
UN54685	Rsa1.0_01669.1	296	41286	1.00E-93	237	258	91 +	1	258	11734	11991	
UN54686	Rsa1.0_00374.1	181	165738	1.00E-76	172	181	95 -	1	181	95181	95361	
UN54687	Rsa1.0_01148.1	142	52375	1.00E-48	131	142	92 +	1	142	31732	31873	
UN54688	Rsa1.0_00890.1	680	323870	0	518	531	97 +	11	541	16738	17268	
UN54689	#	#	#	#	#	#	#	#	#	#	#	
UN54690	Rsa1.0_00929.1	783	137796	0	652	656	99 -	1	656	134676	135331	
UN54691	Rsa1.0_23114.1	134	1070	2.00E-41	113	122	92 +	13	134	381	502	
UN54692	Rsa1.0_03062.1	233	25678	9.00E-57	139	148	93 +	1	148	6127	6274	
UN54693	Rsa1.0_01955.1	438	36850	3.00E-24	121	140	86 -	190	325	13739	13878	
UN54694	Rsa1.0_01151.1	360	52268	1.00E-150	335	357	93 -	1	357	30069	30425	
UN54695	Rsa1.0_05136.1	775	14729	0	756	781	96 +	1	775	13599	14367	
UN54696	Rsa1.0_07959.1	102	8173	2.00E-12	58	65	89 -	27	91	5855	5919	
UN54697	Rsa1.0_01223.1	115	50392	1.00E-38	108	117	92 -	1	112	48354	48470	
UN54698	Rsa1.0_00018.1	330	410899	1.00E-139	313	330	94 +	1	330	79127	79452	
UN54699	Rsa1.0_05445.1	270	13718	1.00E-123	256	267	95 +	1	267	13232	13498	
UN54700	Rsa1.0_00346.1	780	93130	0	359	360	99 +	3	362	53929	54287	
UN54701	Rsa1.0_00121.1	106	278029	6.00E-22	71	77	92 +	30	106	123394	123470	
UN54702	Rsa1.0_02626.1	422	29387	1.00E-165	371	397	93 +	1	388	22899	23293	
UN54703	Rsa1.0_15450.1	585	2598	2.00E-69	140	142	98 +	242	383	520	661	
UN54704	Rsa1.0_01330.1	752	47960	0	750	751	99 +	1	751	15903	16653	
UN54705	Rsa1.0_05782.1	169	12646	6.00E-51	120	126	95 -	8	133	8980	9105	
UN54706	Rsa1.0_02194.1	153	34029	1.00E-64	143	149	95 -	1	149	33565	33713	
UN54707	Rsa1.0_05648.1	829	13049	1.00E-169	324	330	98 +	1	329	11096	11425	
UN54708	Rsa1.0_00451.1	109	322533	7.00E-37	78	78	100 +	1	78	247820	247897	
UN54709	Rsa1.0_06021.1	124	11911	2.00E-13	45	47	95 +	78	124	5328	5374	
UN54710	Rsa1.0_00436.1	498	85008	1.00E-66	135	137	98 +	361	497	63846	63982	
UN54711	Rsa1.0_01531.1	169	43778	3.00E-74	162	169	95 -	1	169	17306	17474	
UN54712	Rsa1.0_02900.1	870	26928	0	586	605	96 +	81	685	384	988	
UN54713	Rsa1.0_00170.1	181	179538	1.00E-73	171	181	94 +	1	181	57852	58028	
UN54714	Rsa1.0_16822.1	789	2022	0	666	709	93 -	94	789	1324	2022	
UN54715	Rsa1.0_00055.1	696	520193	0	687	695	98 +	2	696	275704	276398	

UN54716	#	#	#	#	#	#	#	#	#	#	#	#
UN54717	Rsa1.0.39477.1	698	570	3.00E-53	110	111	99 +	452	562	156	266	
UN54718	Rsa1.0.06647.1	128	10604	4.00E-45	102	104	98 -	1	104	6455	6557	
UN54719	Rsa1.0.07831.1	173	8461	5.00E-67	159	169	94 -	2	170	5195	5363	
UN54720	Rsa1.0.00382.1	104	251946	9.00E-24	86	96	89 +	9	104	173226	173321	
UN54721	Rsa1.0.00360.1	105	91190	1.00E-50	104	105	99 -	1	105	77056	77160	
UN54722	Rsa1.0.00123.1	833	325650	1.00E-153	424	467	90 -	1	465	123234	123687	
UN54723	Rsa1.0.04483.1	486	17174	1.00E-100	251	271	92 +	1	269	7616	7879	
UN54724	Rsa1.0.02124.1	474	34780	0	445	475	93 +	1	474	4369	4841	
UN54725	#	#	#	#	#	#	#	#	#	#	#	#
UN54726	Rsa1.0.00301.1	451	365315	4.00E-82	196	209	93 +	129	334	327848	328056	
UN54727	Rsa1.0.00599.1	819	73418	0	801	830	96 -	1	819	54809	55635	
UN54728	Rsa1.0.01294.1	623	49090	1.00E-158	318	327	97 +	2	327	35082	35407	
UN54729	Rsa1.0.02747.1	505	28247	1.00E-168	375	402	93 -	5	387	24943	25342	
UN54730	Rsa1.0.05489.1	633	13562	0	619	634	97 +	2	633	12147	12779	
UN54731	Rsa1.0.00154.1	559	189461	2.00E-72	151	155	97 +	369	523	130658	130812	
UN54732	Rsa1.0.00457.1	149	337301	1.00E-36	96	102	94 +	2	103	317277	317378	
UN54733	Rsa1.0.01099.1	683	158481	1.00E-123	277	293	94 +	64	356	14074	14365	
UN54734	Rsa1.0.15297.1	725	2704	1.00E-117	273	290	94 +	7	294	2112	2400	
UN54735	Rsa1.0.00428.1	794	85599	0	614	635	96 +	163	794	31030	31664	
UN54736	Rsa1.0.01565.1	848	155447	1.00E-169	336	347	96 -	488	834	9135	9478	
UN54737	Rsa1.0.00028.1	785	293984	0	763	784	97 +	1	783	137173	137941	
UN54738	Rsa1.0.02281.1	824	292576	0	467	473	98 -	4	476	276717	277189	
UN54739	Rsa1.0.04095.1	323	19095	1.00E-136	264	270	97 +	1	270	10615	10884	
UN54740	Rsa1.0.01456.1	847	45372	0	824	847	97 +	1	847	3180	4022	
UN54741	Rsa1.0.04542.1	832	16930	1.00E-149	350	377	92 -	1	374	13253	13618	
UN54742	Rsa1.0.02860.1	823	27207	1.00E-154	289	292	98 +	1	292	9009	9299	
UN54743	Rsa1.0.01280.1	793	49321	3.00E-87	182	187	97 +	458	642	7894	8080	
UN54744	Rsa1.0.09250.1	920	6528	0	395	406	97 -	5	408	4449	4854	
UN54745	Rsa1.0.15220.1	842	2748	0	549	567	96 +	1	563	2182	2748	
UN54746	Rsa1.0.01604.1	655	42461	0	417	421	99 -	1	420	29368	29786	
UN54747	Rsa1.0.01209.1	111	50668	2.00E-25	83	91	91 -	6	96	40308	40398	
UN54748	Rsa1.0.00602.1	911	73302	4.00E-99	190	192	98 -	188	379	46825	47016	
UN54749	Rsa1.0.23505.1	599	1044	0	412	419	98 -	1	419	248	666	
UN54750	Rsa1.0.05056.1	370	14981	1.00E-75	182	195	93 +	1	189	7333	7522	
UN54751	Rsa1.0.02588.1	391	29840	1.00E-166	362	384	94 +	4	387	28227	28610	
UN54752	Rsa1.0.00965.1	276	58139	1.00E-145	274	277	98 -	1	276	2267	2543	
UN54753	Rsa1.0.01606.1	106	42432	2.00E-34	102	106	96 +	1	106	9085	9186	
UN54754	Rsa1.0.00463.1	173	189177	5.00E-42	108	111	97 -	1	111	180605	180712	

UN54755	Rsa1.0.00548.1	750	76518	0	729	747	97 +	2	748	35500	36246
UN54756	Rsa1.0.03613.1	194	21773	1.00E-33	82	85	96 +	1	85	17242	17326
UN54757	Rsa1.0.04260.1	350	18238	0	341	344	99 -	1	344	12560	12902
UN54758	Rsa1.0.02871.1	175	27085	6.00E-48	118	125	94 +	3	127	1890	2014
UN54759	Rsa1.0.00513.1	323	78579	7.00E-49	121	127	95 +	1	126	57540	57666
UN54760	Rsa1.0.00651.1	223	247766	2.00E-48	183	217	84 +	1	217	92840	93034
UN54761	Rsa1.0.31836.1	550	717	1.00E-67	146	151	96 -	366	516	567	717
UN54762	Rsa1.0.03125.1	586	147978	1.00E-121	239	245	97 +	339	583	131175	131419
UN54763	Rsa1.0.00192.1	759	278200	0	730	778	93 -	3	759	91951	92727
UN54764	Rsa1.0.00402.1	643	385315	0	622	643	96 +	1	643	87895	88534
UN54765	Rsa1.0.02503.1	620	30709	1.00E-121	266	277	96 +	5	278	27246	27522
UN54766	Rsa1.0.00622.1	153	71822	2.00E-62	145	153	94 +	1	153	26358	26510
UN54767	Rsa1.0.00017.1	915	752458	0	867	920	94 -	1	915	416066	416985
UN54768	Rsa1.0.00273.1	784	326186	1.00E-154	295	301	98 +	1	301	46035	46335
UN54769	Rsa1.0.04045.1	571	19403	0	327	328	99 -	126	453	5362	5689
UN54770	Rsa1.0.00064.1	130	240927	4.00E-42	117	127	92 -	1	127	73671	73797
UN54771	Rsa1.0.00418.1	802	215377	0	793	803	98 -	1	802	15448	16250
UN54772	Rsa1.0.03949.1	797	19899	0	396	397	99 -	5	401	9280	9676
UN54773	Rsa1.0.00376.1	211	90101	1.00E-43	111	118	94 +	94	211	978	1095
UN54774	Rsa1.0.03123.1	735	25207	1.00E-118	278	295	94 -	3	297	22588	22878
UN54775	Rsa1.0.05441.1	615	13742	1.00E-121	446	514	86 +	32	536	2128	2622
UN54776	Rsa1.0.00788.1	238	64237	8.00E-51	123	130	94 -	109	238	34451	34580
UN54777	Rsa1.0.00698.1	287	67816	5.00E-62	133	137	97 -	4	140	12376	12512
UN54778	Rsa1.0.00064.1	277	240927	6.00E-77	227	253	89 +	31	277	124964	125215
UN54779	Rsa1.0.00772.1	847	64856	1.00E-148	330	352	93 -	5	348	52504	52846
UN54780	Rsa1.0.00113.1	511	131574	1.00E-79	215	233	92 -	1	229	8888	9119
UN54781	Rsa1.0.00065.1	782	454616	1.00E-95	178	178	100 -	498	675	25196	25373
UN54782	Rsa1.0.02220.1	670	176031	0	662	671	98 +	1	670	167398	168068
UN54783	Rsa1.0.00418.1	813	215377	0	488	498	97 -	292	789	4220	4717
UN54784	Rsa1.0.00058.1	271	159921	1.00E-130	262	271	96 +	1	271	153622	153892
UN54785	Rsa1.0.04267.1	250	18193	1.00E-105	240	254	94 +	1	250	10667	10918
UN54786	Rsa1.0.01126.1	283	53127	2.00E-67	145	150	96 +	129	278	15323	15472
UN54787	Rsa1.0.65705.1	542	349	1.00E-124	293	313	93 -	11	321	38	349
UN54788	Rsa1.0.00139.1	223	357786	9.00E-97	212	223	95 -	1	223	68438	68660
UN54789	Rsa1.0.02913.1	870	26816	0	501	526	95 +	1	522	24391	24912
UN54790	Rsa1.0.00044.1	717	271658	0	469	481	97 -	237	717	261627	262107
UN54791	Rsa1.0.02218.1	765	33809	5.00E-92	199	208	95 -	558	765	25711	25918
UN54792	Rsa1.0.00062.1	131	299291	3.00E-15	42	42	100 -	77	118	81110	81151
UN54793	Rsa1.0.00104.1	365	368722	1.00E-164	353	368	95 +	1	365	239110	239475

UN54794	Rsa1.0_04034.1	611	19481	0	594	611	97 +	4	611	6252	6850
UN54795	Rsa1.0_02692.1	582	28626	0	472	498	94 -	85	582	1067	1561
UN54796	Rsa1.0_02358.1	988	32213	0	404	407	99 +	387	793	7418	7824
UN54797	Rsa1.0_00999.1	292	57162	4.00E-44	91	91	100 +	139	229	16212	16302
UN54798	Rsa1.0_01952.1	134	36940	7.00E-13	50	54	92 -	81	134	29784	29837
UN54799	#	#	#	#	#	#	#	#	#	#	#
UN54800	Rsa1.0_32803.1	845	693	0	581	607	95 -	240	845	97	689
UN54801	Rsa1.0_02615.1	334	29547	1.00E-135	320	334	95 -	1	334	15777	16100
UN54802	Rsa1.0_00207.1	371	248736	1.00E-115	293	306	95 +	1	306	3453	3747
UN54803	Rsa1.0_00031.1	190	179862	2.00E-38	90	93	96 -	76	168	82267	82359
UN54804	Rsa1.0_01341.1	865	47764	0	365	378	96 +	3	380	10453	10829
UN54805	Rsa1.0_01415.1	792	46263	1.00E-137	276	287	96 -	310	596	18143	18420
UN54806	Rsa1.0_00722.1	720	66840	0	493	493	100 -	228	720	42904	43396
UN54807	Rsa1.0_03854.1	793	20429	1.00E-177	323	326	99 -	374	699	10010	10335
UN54808	Rsa1.0_00041.1	595	186197	1.00E-112	221	225	98 -	144	368	153061	153284
UN54809	Rsa1.0_02222.1	479	152798	0	437	441	99 -	39	479	23502	23941
UN54810	Rsa1.0_00315.1	744	96426	0	578	595	97 +	150	744	89773	90367
UN54811	Rsa1.0_00974.1	733	57893	7.00E-85	167	168	99 -	565	732	50586	50752
UN54812	Rsa1.0_04270.1	764	18174	0	749	765	97 +	2	764	7648	8412
UN54813	Rsa1.0_00780.1	712	147795	1.00E-168	314	318	98 -	1	316	63618	63935
UN54814	Rsa1.0_00335.1	737	94371	0	402	415	96 -	11	425	37914	38328
UN54815	Rsa1.0_03100.1	275	25411	1.00E-106	232	239	97 +	37	275	1878	2112
UN54816	Rsa1.0_02087.1	508	35198	1.00E-165	448	499	89 +	4	502	8573	9071
UN54817	Rsa1.0_01257.1	476	49766	0	454	482	94 -	1	474	389	866
UN54818	Rsa1.0_00035.1	313	176449	1.00E-134	302	313	96 -	1	313	125864	126168
UN54819	Rsa1.0_06213.1	213	11478	1.00E-27	182	218	83 -	1	213	7490	7688
UN54820	Rsa1.0_01838.1	866	38500	1.00E-142	319	341	93 -	3	343	25420	25751
UN54821	Rsa1.0_00119.1	603	467509	0	324	325	99 +	279	603	447147	447471
UN54822	Rsa1.0_01646.1	673	41735	0	472	483	97 -	5	487	28186	28668
UN54823	Rsa1.0_00017.1	768	752458	1.00E-168	490	547	89 +	4	537	1770	2299
UN54824	Rsa1.0_00301.1	134	365315	9.00E-37	123	130	94 -	5	134	225260	225383
UN54825	#	#	#	#	#	#	#	#	#	#	#
UN54826	Rsa1.0_02235.1	724	33615	1.00E-125	366	410	89 -	2	405	16046	16433
UN54827	Rsa1.0_00111.1	634	390088	8.00E-75	143	143	100 +	160	302	370686	370828
UN54828	Rsa1.0_00447.1	294	84051	1.00E-121	283	292	96 +	1	292	14598	14880
UN54829	Rsa1.0_00097.1	468	138858	0	463	465	99 -	1	463	5538	6002
UN54830	Rsa1.0_00873.1	516	61459	1.00E-128	265	273	97 +	246	516	46323	46595
UN54831	Rsa1.0_00130.1	487	125737	9.00E-68	143	147	97 +	229	375	11342	11488
UN54832	Rsa1.0_01411.1	132	46326	7.00E-50	117	120	97 +	13	132	2426	2543

UN54833	Rsa1.0.00868.1	556	61630	3.00E-92	232	252	92 -	191	442	28178	28429
UN54834	Rsa1.0.00708.1	326	67366	5.00E-93	179	181	98 -	1	181	65149	65329
UN54835	Rsa1.0.00852.1	733	62179	0	486	491	98 +	245	733	42742	43232
UN54836	Rsa1.0.00525.1	821	78030	0	767	813	94 +	24	821	6407	7210
UN54837	Rsa1.0.00014.1	737	348985	0	718	736	97 -	3	737	174346	175078
UN54838	Rsa1.0.00270.1	127	101236	4.00E-45	123	128	96 +	1	127	18752	18876
UN54839	Rsa1.0.00030.1	714	250988	0	667	726	91 -	5	714	184680	185381
UN54840	Rsa1.0.06196.1	239	11515	1.00E-121	237	242	97 -	1	239	754	995
UN54841	Rsa1.0.06151.1	597	11612	1.00E-76	149	150	99 +	102	251	8372	8521
UN54842	Rsa1.0.01919.1	460	37272	1.00E-162	296	297	99 +	150	446	22526	22821
UN54843	Rsa1.0.00069.1	706	403561	0	342	344	99 -	363	706	394897	395240
UN54844	Rsa1.0.01151.1	605	52268	0	352	360	97 -	214	570	26282	26641
UN54845	Rsa1.0.02179.1	688	34188	1.00E-150	309	319	96 -	150	467	23724	24037
UN54846	Rsa1.0.03426.1	816	23010	3.00E-81	170	174	97 +	280	452	4207	4380
UN54847	Rsa1.0.00995.1	668	57243	0	665	667	99 -	1	666	48127	48793
UN54848	Rsa1.0.02463.1	872	31157	0	839	879	95 -	3	872	6309	7186
UN54849	Rsa1.0.02299.1	845	32857	1.00E-118	254	268	94 -	58	325	20632	20890
UN54850	Rsa1.0.00422.1	639	86144	0	616	650	94 +	1	634	31998	32647
UN54851	Rsa1.0.00056.1	854	332604	0	543	545	99 -	293	835	214927	215471
UN54852	Rsa1.0.00014.1	563	348985	1.00E-175	498	561	88 -	2	559	331501	332036
UN54853	Rsa1.0.00734.1	687	66508	0	489	516	94 +	177	687	48749	49263
UN54854	Rsa1.0.03634.1	646	145192	1.00E-122	251	262	95 -	210	471	128818	129070
UN54855	Rsa1.0.00035.1	652	176449	0	557	570	97 +	22	590	155393	155959
UN54856	Rsa1.0.00757.1	400	65559	2.00E-68	132	132	100 -	38	169	13259	13390
UN54857	Rsa1.0.00340.1	763	305782	0	370	376	98 -	388	763	284030	284404
UN54858	Rsa1.0.00705.1	692	67505	0	410	426	96 +	1	426	16432	16855
UN54859	Rsa1.0.02935.1	111	26621	7.00E-34	90	93	96 +	19	111	7722	7812
UN54860	Rsa1.0.02750.1	227	28239	3.00E-78	165	168	98 +	62	227	16123	16290
UN54861	Rsa1.0.02089.1	820	35163	0	762	781	97 -	2	782	24245	25024
UN54862	Rsa1.0.02020.1	451	173211	5.00E-60	124	126	98 +	289	414	7785	7910
UN54863	Rsa1.0.01468.1	846	45146	1.00E-151	284	288	98 +	481	768	39086	39373
UN54864	Rsa1.0.01184.1	534	51452	1.00E-108	199	199	100 +	1	199	46862	47060
UN54865	Rsa1.0.01769.1	839	39568	1.00E-107	229	234	97 +	610	839	8728	8961
UN54866	Rsa1.0.01726.1	320	40263	1.00E-160	310	318	97 +	3	320	6024	6341
UN54867	Rsa1.0.01637.1	397	41862	1.00E-118	326	347	93 -	1	347	774	1108
UN54868	Rsa1.0.32056.1	552	711	7.00E-78	154	156	98 -	105	260	38	193
UN54869	Rsa1.0.00308.1	754	96915	0	419	435	96 +	90	524	32093	32527
UN54870	Rsa1.0.08631.1	853	7103	1.00E-114	242	253	95 -	399	651	3461	3713
UN54871	Rsa1.0.00573.1	654	74821	1.00E-175	349	361	96 -	1	357	46209	46569

UN54872	Rsa1.0.02185.1	783	34150	0	351	353	99 -	431	783	16720	17072
UN54873	Rsa1.0.00351.1	832	413096	0	544	554	98 -	280	832	14012	14561
UN54874	Rsa1.0.01665.1	459	41364	4.00E-39	163	187	87 -	196	381	2464	2649
UN54875	Rsa1.0.03550.1	728	22154	1.00E-157	330	346	95 +	2	346	1714	2051
UN54876	Rsa1.0_17297.1	783	1867	0	478	506	94 -	1	506	1344	1849
UN54877	Rsa1.0_00705.1	601	67505	0	534	541	98 -	61	601	45541	46077
UN54878	Rsa1.0.00778.1	156	196751	3.00E-52	143	154	92 +	1	150	165559	165712
UN54879	Rsa1.0.02710.1	838	28492	1.00E-117	246	256	96 -	1	256	25405	25657
UN54880	Rsa1.0.00107.1	817	431659	1.00E-104	209	214	97 +	1	210	5116	5329
UN54881	#	#	#	#	#	#	#	#	#	#	#
UN54882	Rsa1.0.00417.1	613	395068	0	599	613	97 -	1	613	377948	378560
UN54883	Rsa1.0.04593.1	747	16713	0	646	647	99 -	101	747	3006	3652
UN54884	Rsa1.0.07537.1	707	9176	1.00E-161	321	332	96 -	375	706	4280	4611
UN54885	Rsa1.0_11107.1	703	5613	5.00E-95	194	197	98 +	505	700	3868	4063
UN54886	Rsa1.0.00644.1	296	136881	1.00E-137	280	291	96 +	2	292	27191	27481
UN54887	Rsa1.0.04784.1	193	15995	2.00E-79	172	177	97 -	17	193	9198	9371
UN54888	Rsa1.0.00177.1	788	143394	0	783	786	99 -	3	788	133168	133951
UN54889	Rsa1.0.45828.1	851	492	1.00E-157	326	337	96 -	21	353	1	337
UN54890	Rsa1.0.00473.1	468	212204	0	447	466	95 +	3	468	6953	7418
UN54891	Rsa1.0.02601.1	150	29654	2.00E-41	140	150	93 +	1	150	26861	27004
UN54892	Rsa1.0.02928.1	699	26680	1.00E-132	328	354	92 +	364	699	16552	16903
UN54893	Rsa1.0.00017.1	774	752458	5.00E-86	225	238	94 +	539	772	154565	154800
UN54894	Rsa1.0.00004.1	644	253996	1.00E-132	249	251	99 +	59	308	8986	9236
UN54895	Rsa1.0.00008.1	698	358124	0	660	690	95 +	1	689	180664	181349
UN54896	Rsa1.0.36484.1	729	618	0	445	460	96 -	4	457	1	460
UN54897	Rsa1.0.00520.1	784	78226	0	752	796	94 -	3	783	2605	3397
UN54898	Rsa1.0.00466.1	136	82132	2.00E-13	72	83	86 +	3	82	78840	78915
UN54899	Rsa1.0.02099.1	436	35030	7.00E-90	171	172	99 -	2	173	33693	33864
UN54900	Rsa1.0.00213.1	304	108167	1.00E-136	281	293	95 -	12	304	35081	35373
UN54901	Rsa1.0.01963.1	658	36719	1.00E-135	263	268	98 -	391	658	22226	22492
UN54902	Rsa1.0.06258.1	609	11371	0	604	609	99 +	2	609	10349	10956
UN54903	Rsa1.0.02431.1	825	31504	1.00E-111	340	389	87 -	2	360	4629	5005
UN54904	Rsa1.0.00549.1	780	76473	0	767	774	99 +	9	780	6270	7043
UN54905	Rsa1.0.00540.1	454	76895	1.00E-147	280	284	98 +	165	448	69441	69723
UN54906	Rsa1.0.00034.1	797	260119	0	715	732	97 +	58	788	66394	67125
UN54907	Rsa1.0.00077.1	530	145005	2.00E-65	214	239	89 -	305	530	89951	90189
UN54908	Rsa1.0.00124.1	224	262503	8.00E-48	128	133	96 -	54	186	92273	92401
UN54909	Rsa1.0.00473.1	657	212204	1.00E-116	262	272	96 +	388	657	198113	198381
UN54910	Rsa1.0.03107.1	573	25349	1.00E-132	248	251	98 -	323	573	20317	20567

UN54911	Rsa1.0.03932.1	147	19991	2.00E-28	71	72	98 -	76	147	14403	14473
UN54912	Rsa1.0.00385.1	824	89160	0	704	817	86 +	17	824	67016	67828
UN54913	Rsa1.0.08180.1	780	7778	1.00E-86	169	171	98 +	389	559	5759	5929
UN54914	Rsa1.0.00065.1	311	454616	3.00E-48	111	114	97 -	198	311	39989	40101
UN54915	Rsa1.0.02386.1	397	31895	1.00E-127	234	235	99 -	163	397	11060	11294
UN54916	Rsa1.0.06329.1	761	11225	0	682	697	97 +	2	698	10530	11225
UN54917	Rsa1.0.01292.1	770	175783	0	637	654	97 -	113	765	146003	146655
UN54918	Rsa1.0.01176.1	717	51638	1.00E-147	288	296	97 -	422	717	5795	6090
UN54919	Rsa1.0.00218.1	683	201480	0	548	553	99 -	133	683	25605	26157
UN54920	Rsa1.0.00164.1	644	116642	5.00E-67	133	134	99 -	306	439	111968	112101
UN54921	Rsa1.0.02529.1	249	30437	1.00E-115	235	241	97 +	12	249	8491	8731
UN54922	Rsa1.0.00128.1	684	228675	1.00E-79	328	379	86 -	59	430	202406	202760
UN54923	Rsa1.0.00028.1	843	293984	0	770	815	94 -	1	811	143254	144066
UN54924	Rsa1.0.02442.1	742	31355	1.00E-118	264	275	96 -	467	739	24588	24859
UN54925	Rsa1.0.01097.1	459	173349	1.00E-107	249	265	93 -	201	459	17805	18064
UN54926	Rsa1.0.01072.1	773	55068	0	360	364	98 -	302	665	43267	43630
UN54927	Rsa1.0.08753.1	164	6957	2.00E-16	47	48	97 -	117	164	1359	1406
UN54928	Rsa1.0.00039.1	715	296927	3.00E-90	187	193	96 -	140	332	78033	78225
UN54929	Rsa1.0.01110.1	605	195852	0	446	473	94 -	7	473	29395	29864
UN54930	Rsa1.0.01957.1	849	36844	0	539	556	96 -	3	557	17873	18428
UN54931	Rsa1.0.00023.1	822	194764	1.00E-129	310	339	91 +	1	339	83441	83758
UN54932	Rsa1.0.05008.1	692	15154	0	532	543	97 +	156	692	10705	11247
UN54933	Rsa1.0.00858.1	764	61892	0	328	329	99 +	436	764	19996	20324
UN54934	Rsa1.0.01574.1	769	42930	0	763	766	99 -	2	767	4769	5534
UN54935	Rsa1.0.00546.1	417	76523	7.00E-96	193	198	97 -	99	296	13319	13516
UN54936	Rsa1.0.00812.1	792	63233	0	765	766	99 +	4	769	17148	17913
UN54937	Rsa1.0.21086.1	746	1237	0	370	377	98 -	225	599	1	377
UN54938	Rsa1.0.00001.1	785	363028	1.00E-119	263	278	94 -	348	625	51426	51703
UN54939	Rsa1.0.00496.1	792	79834	0	398	408	97 -	223	630	27282	27686
UN54940	Rsa1.0.00807.1	780	63607	0	521	548	95 -	228	763	13460	14005
UN54941	Rsa1.0.00632.1	589	183777	1.00E-107	198	198	100 +	392	589	168864	169061
UN54942	Rsa1.0.02164.1	798	34426	4.00E-68	172	184	93 +	621	798	6410	6593
UN54943	Rsa1.0.00166.1	675	240912	0	448	456	98 -	217	672	222207	222662
UN54944	Rsa1.0.02599.1	723	29660	1.00E-152	335	355	94 +	358	712	4089	4440
UN54945	Rsa1.0.02267.1	685	33194	1.00E-107	252	270	93 +	176	445	26825	27094
UN54946	Rsa1.0.00660.1	603	69688	1.00E-144	260	260	100 -	344	603	15734	15993
UN54947	#	#	#	#	#	#	#	#	#	#	#
UN54948	Rsa1.0.01944.1	491	37037	1.00E-156	314	325	96 +	104	425	35449	35773
UN54949	Rsa1.0.04787.1	534	15987	1.00E-143	257	257	100 -	3	259	3619	3875

UN54950	Rsa1.0.00846.1	838	62342	0	344	346	99 -	482	826	45407	45752
UN54951	Rsa1.0.00133.1	729	123768	0	717	730	98 -	1	727	79187	79916
UN54952	Rsa1.0.00473.1	777	212204	0	738	781	94 +	1	777	15509	16277
UN54953	Rsa1.0.03029.1	501	25858	1.00E-176	366	384	95 -	2	385	19497	19880
UN54954	Rsa1.0.01606.1	251	42432	1.00E-116	243	251	96 -	1	251	9300	9548
UN54955	Rsa1.0.03884.1	795	20274	1.00E-147	306	319	95 +	185	500	18988	19306
UN54956	Rsa1.0.00040.1	800	324196	4.00E-65	130	131	99 +	459	589	313381	313511
UN54957	Rsa1.0.00074.1	468	147591	0	464	474	97 -	1	468	105887	106360
UN54958	Rsa1.0.00105.1	707	134138	1.00E-165	310	313	99 +	3	312	105118	105430
UN54959	Rsa1.0.14926.1	242	2960	4.00E-31	69	69	100 +	164	232	1007	1075
UN54960	Rsa1.0.00044.1	814	271658	1.00E-171	367	385	95 -	407	789	270081	270465
UN54961	Rsa1.0.00272.1	621	447836	0	495	496	99 +	126	621	32889	33384
UN54962	Rsa1.0.17143.1	390	1910	0	383	393	97 -	2	390	949	1339
UN54963	Rsa1.0.00417.1	686	395068	0	614	649	94 -	1	643	235826	236465
UN54964	Rsa1.0.00078.1	706	175053	0	684	706	96 +	1	706	70048	70753
UN54965	Rsa1.0.01453.1	642	45449	4.00E-86	226	243	93 +	398	637	2212	2450
UN54966	Rsa1.0.00237.1	823	235974	4.00E-99	187	188	99 +	132	319	209565	209752
UN54967	Rsa1.0.05393.1	863	13919	0	723	761	95 -	104	863	5213	5973
UN54968	Rsa1.0.08867.1	866	6843	0	852	869	98 -	3	866	303	1170
UN54969	Rsa1.0.00645.1	705	189716	0	646	647	99 +	3	649	2212	2858
UN54970	Rsa1.0.15554.1	844	2545	0	352	354	99 -	90	443	804	1157
UN54971	Rsa1.0.00807.1	644	63607	1.00E-137	293	308	95 +	53	360	48409	48716
UN54972	Rsa1.0.03774.1	810	20932	0	506	553	91 +	3	543	16205	16736
UN54973	Rsa1.0.01060.1	246	55368	1.00E-129	242	245	98 +	2	246	42366	42610
UN54974	Rsa1.0.00491.1	767	80219	1.00E-120	244	252	96 +	3	254	30182	30429
UN54975	Rsa1.0.03269.1	169	24196	3.00E-71	161	168	95 +	2	169	1541	1707
UN54976	Rsa1.0.06671.1	870	10563	0	861	864	99 -	1	863	5757	6620
UN54977	Rsa1.0.00164.1	352	116642	1.00E-164	334	344	97 +	1	344	48214	48554
UN54978	Rsa1.0.00495.1	790	79934	1.00E-167	312	316	98 +	3	318	9084	9396
UN54979	Rsa1.0.00356.1	698	91521	0	379	382	99 +	318	698	34979	35360
UN54980	Rsa1.0.00003.1	804	340054	1.00E-101	200	203	98 +	590	792	85507	85708
UN54981	Rsa1.0.18522.1	707	1582	6.00E-82	158	159	99 -	2	160	147	305
UN54982	Rsa1.0.00040.1	807	324196	1.00E-132	249	252	98 -	394	645	286546	286797
UN54983	Rsa1.0.13593.1	663	4685	0	655	665	98 +	1	663	106	769
UN54984	Rsa1.0.02859.1	580	162118	0	560	579	96 -	2	580	156732	157310
UN54985	Rsa1.0.04622.1	639	16618	1.00E-155	287	290	98 +	1	290	12681	12970
UN54986	Rsa1.0.04098.1	658	19078	0	646	656	98 -	3	658	781	1431
UN54987	Rsa1.0.01798.1	792	173909	1.00E-129	252	258	97 -	265	522	162725	162982
UN54988	Rsa1.0.00374.1	408	165738	1.00E-123	237	240	98 +	168	406	156178	156417

UN54989	Rsa1.0.03356.1	718	23487	0	524	539	97 +	180	718	3614	4149
UN54990	Rsa1.0.00811.1	699	63242	1.00E-169	354	369	95 +	3	371	40733	41099
UN54991	Rsa1.0.05050.1	648	15022	6.00E-91	179	182	98 -	466	647	4647	4828
UN54992	Rsa1.0.00363.1	731	90968	0	408	419	97 +	2	420	71838	72250
UN54993	Rsa1.0.00019.1	649	301669	0	625	646	96 +	4	649	268265	268910
UN54994	Rsa1.0.08645.1	479	7087	1.00E-140	357	383	93 +	89	471	3324	3698
UN54995	#	#	#	#	#	#	#	#	#	#	#
UN54996	Rsa1.0.00308.1	797	96915	0	539	542	99 -	256	797	85826	86367
UN54997	Rsa1.0.00867.1	831	61635	1.00E-116	225	229	98 +	3	231	21968	22196
UN54998	Rsa1.0.01703.1	101	40713	4.00E-41	97	101	96 +	1	101	20876	20976
UN54999	Rsa1.0.00205.1	605	193401	4.00E-64	178	193	92 -	414	605	79338	79529
UN55000	Rsa1.0.00419.1	791	86562	1.00E-134	245	246	99 +	70	315	65643	65888
UN55001	Rsa1.0.17847.1	529	1727	1.00E-139	280	289	96 +	167	455	739	1024
UN55002	Rsa1.0.00952.1	804	58450	0	781	817	95 +	4	804	54230	55036
UN55003	Rsa1.0.00387.1	658	495407	1.00E-156	314	324	96 +	3	325	30058	30381
UN55004	Rsa1.0.00118.1	824	130637	0	567	599	94 +	3	595	28805	29403
UN55005	Rsa1.0.03434.1	754	22960	0	514	514	100 -	2	515	19582	20095
UN55006	Rsa1.0.00275.1	748	210104	4.00E-86	185	192	96 -	9	197	163741	163932
UN55007	Rsa1.0.00062.1	846	299291	0	574	607	94 -	220	824	293689	294282
UN55008	Rsa1.0.00472.1	559	398134	1.00E-121	302	326	92 +	6	324	166242	166564
UN55009	Rsa1.0.02825.1	720	27568	1.00E-137	267	271	98 +	446	715	26950	27219
UN55010	Rsa1.0.01505.1	723	44382	3.00E-22	73	79	92 +	261	339	27416	27494
UN55011	Rsa1.0.00027.1	523	283362	1.00E-155	296	301	98 -	223	523	48211	48510
UN55012	Rsa1.0.03029.1	775	25858	1.00E-174	369	387	95 +	4	389	11943	12326
UN55013	Rsa1.0.00168.1	575	115870	1.00E-141	254	254	100 +	322	575	7170	7423
UN55014	Rsa1.0.01635.1	664	41865	1.00E-124	226	226	100 -	439	664	21149	21374
UN55015	Rsa1.0.00152.1	555	257730	1.00E-101	187	187	100 -	120	306	251492	251678
UN55016	Rsa1.0.01855.1	699	38204	0	412	422	97 -	278	699	15681	16102
UN55017	Rsa1.0.00341.1	732	249309	0	688	734	93 -	2	729	3120	3837
UN55018	Rsa1.0.00667.1	505	69460	1.00E-179	362	377	96 +	140	505	35323	35699
UN55019	Rsa1.0.00469.1	827	82084	0	818	829	98 -	3	827	15885	16713
UN55020	Rsa1.0.20270.1	658	1322	0	636	649	97 -	12	658	369	1014
UN55021	Rsa1.0.00413.1	634	86921	0	523	554	94 +	2	551	3794	4345
UN55022	Rsa1.0.00019.1	830	301669	0	382	387	98 +	358	744	132036	132422
UN55023	Rsa1.0.00045.1	609	328694	2.33E-156	310	325	95 +	9	333	186948	187269
UN55024	Rsa1.0.06329.1	417	11225	9.00E-49	135	148	91 +	160	307	462	596
UN55025	Rsa1.0.04076.1	660	19209	1.00E-172	379	406	93 -	271	658	6881	7286
UN55026	Rsa1.0.03401.1	796	23191	1.00E-137	256	259	98 -	353	611	22479	22737
UN55027	Rsa1.0.04632.1	792	16589	0	786	791	99 +	2	792	10408	11197

UN55028	Rsa1.0_10922.1	345	5677	1.00E-50	114	118	96 +	29	146	1657	1774
UN55029	Rsa1.0_03764.1	681	20971	1.00E-133	250	253	98 +	360	612	9126	9378
UN55030	Rsa1.0_00085.1	825	142226	0	669	739	90 -	3	725	65292	66014
UN55031	Rsa1.0_01990.1	553	36431	1.00E-177	320	322	99 +	232	553	3649	3970
UN55032	Rsa1.0_02860.1	616	27207	1.00E-180	330	332	99 -	3	333	26162	26493
UN55033	Rsa1.0_22177.1	221	1144	1.00E-113	207	207	100 +	2	208	263	469
UN55034	Rsa1.0_02588.1	831	29840	0	824	832	99 +	1	831	3530	4361
UN55035	Rsa1.0_00124.1	865	262503	0	709	753	94 -	5	747	29195	29946
UN55036	Rsa1.0_00387.1	869	495407	1.00E-117	256	265	96 +	610	869	396750	397014
UN55037	Rsa1.0_00197.1	855	109714	0	445	459	96 +	403	852	46101	46559
UN55038	Rsa1.0_01674.1	699	168300	0	695	697	99 -	3	699	159774	160470
UN55039	Rsa1.0_02663.1	662	169243	0	524	552	94 +	102	653	20800	21347
UN55040	Rsa1.0_00408.1	650	176752	0	649	650	99 +	1	650	32599	33248
UN55041	Rsa1.0_00238.1	606	193193	1.00E-132	334	364	91 -	249	606	80577	80930
UN55042	Rsa1.0_02303.1	838	32818	2.00E-97	187	189	98 +	125	313	833	1021
UN55043	Rsa1.0_00219.1	747	106983	0	394	406	97 +	342	747	55600	56005
UN55044	Rsa1.0_00484.1	488	203294	1.00E-143	260	261	99 -	214	474	143448	143708
UN55045	Rsa1.0_00727.1	739	66724	1.00E-154	283	285	99 -	136	420	48293	48577
UN55046	Rsa1.0_05914.1	349	12253	0	349	350	99 -	1	349	2479	2828
UN55047	Rsa1.0_00083.1	723	442773	0	720	722	99 +	3	723	370989	371710
UN55048	Rsa1.0_08675.1	423	7054	0	422	423	99 +	1	423	1699	2121
UN55049	Rsa1.0_66564.1	396	344	1.00E-149	300	308	97 -	95	396	37	344
UN55050	Rsa1.0_03482.1	725	22625	7.00E-94	184	187	98 +	300	486	6018	6204
UN55051	Rsa1.0_00065.1	745	454616	0	497	498	99 -	249	745	453115	453612
UN55052	Rsa1.0_14656.1	717	3183	1.00E-148	296	306	96 +	3	308	1337	1642
UN55053	Rsa1.0_00005.1	678	353093	1.00E-137	247	247	100 -	3	249	201906	202152
UN55054	Rsa1.0_04160.1	774	18795	0	742	776	95 +	2	773	316	1090
UN55055	Rsa1.0_00055.1	599	520193	0	480	499	96 +	103	599	405822	406318
UN55056	Rsa1.0_01983.1	756	36509	0	365	371	98 +	1	371	30037	30407
UN55057	Rsa1.0_01102.1	751	53987	1.00E-40	219	267	82 -	140	404	43702	43944
UN55058	Rsa1.0_00081.1	477	143261	1.00E-137	254	256	99 +	3	258	123487	123742
UN55059	Rsa1.0_00104.1	782	368722	1.00E-92	226	242	93 -	108	349	36876	37112
UN55060	Rsa1.0_00104.1	808	368722	1.00E-168	300	300	100 +	3	302	255737	256036
UN55061	Rsa1.0_03877.1	488	20318	4.00E-85	198	214	92 -	86	284	1268	1481
UN55062	Rsa1.0_01372.1	728	47068	0	715	719	99 -	3	717	4883	5601
UN55063	Rsa1.0_00181.1	192	114269	1.00E-80	182	192	94 -	1	192	94218	94409
UN55064	Rsa1.0_00039.1	733	296927	0	621	670	92 -	67	731	21961	22615
UN55065	Rsa1.0_03798.1	642	20800	0	358	364	98 +	266	625	4677	5039
UN55066	Rsa1.0_00861.1	846	61759	1.00E-133	262	269	97 +	414	682	44124	44392

UN55067	Rsa1.0.00577.1	784	174827	1.00E-145	304	312	97 +	459	764	132266	132577
UN55068	Rsa1.0.03922.1	779	20060	1.00E-153	326	335	97 +	451	779	2801	3135
UN55069	Rsa1.0.02315.1	370	32618	1.00E-112	208	209	99 -	4	212	27097	27305
UN55070	Rsa1.0.00002.1	281	601661	1.00E-115	262	281	93 -	2	281	422842	423108
UN55071	Rsa1.0.08656.1	689	7077	7.00E-14	41	41	100 -	182	222	518	558
UN55072	Rsa1.0.02387.1	685	31890	2.00E-45	97	98	98 +	350	447	24684	24781
UN55073	Rsa1.0.00017.1	798	752458	1.00E-161	348	363	95 +	1	359	60289	60650
UN55074	Rsa1.0.02170.1	702	34352	1.00E-163	316	325	97 -	3	327	28748	29064
UN55075	Rsa1.0.00736.1	755	66455	0	645	649	99 +	108	753	50684	51332
UN55076	Rsa1.0.00837.1	820	62568	0	430	448	95 +	367	801	3086	3533
UN55077	Rsa1.0.02204.1	762	33930	0	466	489	95 +	5	485	20641	21123
UN55078	Rsa1.0.00095.1	596	283384	0	588	594	98 +	3	596	96419	97012
UN55079	Rsa1.0.00016.1	518	831256	0	491	536	91 -	3	518	499607	500136
UN55080	Rsa1.0.00159.1	778	431686	1.00E-178	319	320	99 -	222	541	268820	269139
UN55081	Rsa1.0.01095.1	699	54276	1.00E-171	342	352	97 -	4	354	8052	8402
UN55082	Rsa1.0.00132.1	350	124299	1.00E-155	335	350	95 +	4	350	105876	106220
UN55083	Rsa1.0.01170.1	718	161131	0	524	543	96 +	19	558	10385	10927
UN55084	Rsa1.0.66339.1	688	345	2.00E-94	185	188	98 -	183	370	98	285
UN55085	Rsa1.0.01603.1	758	42468	1.00E-121	292	316	92 -	3	317	1835	2140
UN55086	Rsa1.0.59051.1	769	387	2.00E-82	194	206	94 +	1	206	184	386
UN55087	Rsa1.0.02707.1	591	28520	3.00E-77	160	163	98 -	292	453	491	653
UN55088	Rsa1.0.00252.1	644	102760	0	560	577	97 +	71	644	86703	87278
UN55089	Rsa1.0.00018.1	760	410899	1.00E-129	293	311	94 +	171	472	53224	53533
UN55090	Rsa1.0.02118.1	696	34839	1.00E-178	384	404	95 +	1	399	26459	26860
UN55091	Rsa1.0.02278.1	578	33085	9.00E-19	74	81	91 -	315	394	9638	9718
UN55092	Rsa1.0.14454.1	722	3372	0	417	432	96 -	287	714	669	1100
UN55093	Rsa1.0.00632.1	777	183777	1.00E-107	200	201	99 -	3	203	5048	5248
UN55094	Rsa1.0.00128.1	623	228675	0	580	612	94 +	8	618	64044	64646
UN55095	Rsa1.0.06469.1	774	10957	0	435	444	97 +	45	485	5277	5720
UN55096	Rsa1.0.01758.1	413	39747	1.00E-112	242	252	96 -	166	413	35052	35303
UN55097	Rsa1.0.00065.1	780	454616	1.00E-107	209	213	98 +	153	365	159767	159979
UN55098	Rsa1.0.01976.1	752	36570	3.00E-87	225	241	93 +	171	410	741	975
UN55099	Rsa1.0.09273.1	796	6511	0	792	801	98 +	2	794	645	1445
UN55100	Rsa1.0.00686.1	786	68511	0	426	427	99 +	3	429	39329	39755
UN55101	Rsa1.0.37121.1	777	607	1.00E-122	334	371	90 +	42	412	237	607
UN55102	Rsa1.0.11519.1	698	5480	1.00E-159	293	296	98 -	201	496	4461	4756
UN55103	Rsa1.0.01724.1	768	40292	6.00E-67	170	177	96 +	575	746	19668	19843
UN55104	Rsa1.0.04280.1	738	18110	0	645	705	91 -	3	700	6121	6813
UN55105	Rsa1.0.01846.1	764	38367	5.00E-98	249	270	92 -	3	271	2847	3116

UN55106	Rsa1.0.00092.1	712	659932	0	441	442	99 +	265	706	222759	223200
UN55107	Rsa1.0.01832.1	664	38581	0	527	551	95 -	114	658	32084	32625
UN55108	Rsa1.0.04251.1	517	18263	1.00E-119	279	297	93 +	222	517	14811	15100
UN55109	Rsa1.0.00224.1	714	327530	0	358	361	99 -	354	713	26213	26573
UN55110	Rsa1.0.02911.1	744	142461	1.00E-108	259	277	93 +	3	277	137286	137550
UN55111	Rsa1.0.02989.1	736	26187	1.00E-18	187	233	80 +	414	646	18285	18517
UN55112	Rsa1.0.04109.1	726	19000	3.00E-81	160	162	98 +	97	258	15402	15563
UN55113	Rsa1.0.00653.1	800	70029	1.00E-154	392	428	91 -	3	426	18742	19166
UN55114	Rsa1.0.08102.1	588	7901	1.00E-102	200	203	98 -	373	575	699	898
UN55115	Rsa1.0.03846.1	755	20481	1.00E-133	244	245	99 +	1	245	12113	12357
UN55116	Rsa1.0.00979.1	626	57733	1.00E-171	304	304	100 -	323	626	1409	1712
UN55117	Rsa1.0.00190.1	769	318240	0	556	614	90 -	3	596	45482	46088
UN55118	Rsa1.0.02269.1	772	33168	0	562	574	97 -	2	575	20259	20832
UN55119	Rsa1.0.01869.1	733	37928	0	728	734	99 -	3	733	27296	28028
UN55120	Rsa1.0.01666.1	655	173972	0	379	380	99 +	3	382	133869	134248
UN55121	Rsa1.0.00089.1	664	406142	0	648	663	97 -	2	663	87245	87907
UN55122	Rsa1.0.02601.1	682	29654	0	589	597	98 +	3	597	3192	3788
UN55123	Rsa1.0.00029.1	728	272992	1.00E-170	411	445	92 -	1	442	251743	252176
UN55124	Rsa1.0.06281.1	376	11317	0	375	375	100 -	2	376	10133	10507
UN55125	Rsa1.0.10226.1	629	5932	1.00E-131	270	277	97 +	355	628	319	594
UN55126	Rsa1.0.02472.1	776	31085	1.00E-125	390	441	88 +	274	711	3353	3781
UN55127	Rsa1.0.00158.1	681	117999	0	510	512	99 +	144	654	23079	23590
UN55128	Rsa1.0.00191.1	563	316976	0	344	344	100 -	220	563	46209	46552
UN55129	Rsa1.0.00251.1	239	303968	2.00E-39	86	87	98 -	153	239	291137	291223
UN55130	Rsa1.0.00991.1	713	143101	0	687	712	96 +	6	713	33679	34389
UN55131	Rsa1.0.01116.1	687	142088	1.00E-159	301	305	98 -	383	687	119152	119455
UN55132	Rsa1.0.00985.1	548	161950	1.00E-172	324	330	98 +	219	548	47336	47665
UN55133	Rsa1.0.00243.1	680	103651	1.00E-170	354	369	95 -	3	370	36972	37337
UN55134	Rsa1.0.01112.1	698	310601	1.00E-113	248	261	95 +	438	698	31685	31942
UN55135	Rsa1.0.01359.1	667	47271	1.00E-179	348	358	97 -	3	360	33556	33913
UN55136	Rsa1.0.04446.1	601	17317	1.00E-131	261	269	97 -	224	492	845	1113
UN55137	Rsa1.0.00194.1	689	110851	0	371	384	96 -	161	540	70858	71241
UN55138	Rsa1.0.02400.1	690	31750	0	456	481	94 +	216	690	14794	15271
UN55139	Rsa1.0.00118.1	676	130637	0	440	442	99 +	236	676	58549	58990
UN55140	Rsa1.0.00022.1	756	200461	1.00E-114	218	221	98 -	286	506	18695	18915
UN55141	Rsa1.0.00162.1	618	239935	0	368	381	96 -	242	618	19230	19610
UN55142	Rsa1.0.00015.1	273	561803	1.00E-107	255	275	92 -	2	273	293269	293534
UN55143	Rsa1.0.01272.1	726	49553	1.00E-129	277	291	95 +	2	292	17978	18268
UN55144	Rsa1.0.00657.1	284	69858	1.00E-152	282	284	99 -	2	284	46480	46763

UN55145	Rsa1.0_30129.1	634	762	1.00E-172	324	330	98 +	37	366	1	330
UN55146	Rsa1.0_13870.1	419	4179	0	417	419	99 +	1	419	691	1108
UN55147	Rsa1.0_15615.1	732	2518	1.00E-180	362	373	97 -	364	732	690	1061
UN55148	Rsa1.0_00720.1	719	66931	1.00E-168	330	335	98 +	390	719	20651	20985
UN55149	Rsa1.0_00609.1	791	72785	0	411	425	96 +	273	697	52129	52553
UN55150	Rsa1.0_00005.1	638	353093	0	551	555	99 -	87	638	208626	209180
UN55151	Rsa1.0_00260.1	589	102021	0	482	518	93 +	3	516	68504	69018
UN55152	Rsa1.0_00099.1	763	159619	0	755	769	98 +	3	763	51279	52047
UN55153	Rsa1.0_00008.1	783	358124	0	728	752	96 +	4	752	6349	7100
UN55154	Rsa1.0_02391.1	665	31836	0	645	668	96 -	3	665	4660	5327
UN55155	Rsa1.0_00105.1	489	134138	0	461	484	95 +	16	489	60014	60497
UN55156	Rsa1.0_00038.1	809	314568	0	771	818	94 -	2	809	47739	48530
UN55157	Rsa1.0_01156.1	677	52147	0	662	681	97 +	1	675	31799	32477
UN55158	Rsa1.0_13019.1	661	5042	0	398	411	96 +	251	661	1377	1787
UN55159	Rsa1.0_02431.1	734	31504	1.00E-125	262	268	97 -	468	731	3762	4029
UN55160	Rsa1.0_00110.1	725	132719	0	338	339	99 +	307	645	101876	102214
UN55161	Rsa1.0_01180.1	335	51517	1.00E-134	316	335	94 -	8	335	32292	32625
UN55162	Rsa1.0_02941.1	769	26583	5.00E-98	216	222	97 +	514	732	6324	6544
UN55163	Rsa1.0_00991.1	767	143101	0	709	741	95 +	29	767	125219	125959
UN55164	Rsa1.0_01634.1	525	41865	1.00E-63	130	132	98 +	1	132	36027	36158
UN55165	Rsa1.0_13238.1	721	4960	0	340	343	99 +	374	715	2195	2537
UN55166	Rsa1.0_01789.1	746	39250	1.00E-123	262	272	96 +	1	265	18810	19080
UN55167	Rsa1.0_02456.1	656	31222	0	364	365	99 +	292	656	25869	26233
UN55168	Rsa1.0_00525.1	516	78030	0	493	512	96 -	2	513	37523	38034
UN55169	Rsa1.0_00527.1	663	77733	1.00E-156	290	292	99 -	373	663	30118	30409
UN55170	Rsa1.0_17534.1	515	1803	0	456	457	99 -	59	515	591	1047
UN55171	Rsa1.0_00017.1	763	752458	2.00E-73	147	149	98 +	226	374	648478	648626
UN55172	Rsa1.0_35031.1	647	646	0	584	605	96 -	49	647	42	646
UN55173	Rsa1.0_08332.1	748	7528	1.00E-122	257	268	95 -	145	409	6599	6866
UN55174	Rsa1.0_68898.1	268	333	1.00E-141	254	254	100 +	2	255	80	333
UN55175	Rsa1.0_00463.1	242	189177	3.00E-26	87	96	90 +	153	242	114448	114543
UN55176	Rsa1.0_00131.1	690	432233	2.00E-81	154	154	100 -	309	462	424975	425128
UN55177	Rsa1.0_03408.1	806	23154	8.00E-88	180	184	97 +	3	184	14388	14571
UN55178	Rsa1.0_00130.1	700	125737	1.00E-145	264	265	99 +	3	267	6688	6952
UN55179	Rsa1.0_00016.1	668	831256	7.00E-60	118	118	100 +	428	545	362963	363080
UN55180	Rsa1.0_00179.1	426	393324	1.00E-166	322	331	97 -	96	426	299684	300008
UN55181	Rsa1.0_06582.1	745	10722	1.00E-105	200	202	99 +	23	224	4951	5152
UN55182	Rsa1.0_00067.1	667	415055	0	633	664	95 -	4	667	83714	84375
UN55183	Rsa1.0_01900.1	654	37473	0	647	648	99 +	2	649	8720	9367

UN55184	Rsa1.0.00032.1	700	306326	0	687	701	98 -	2	700	274465	275165
UN55185	Rsa1.0.00021.1	750	263655	1.00E-177	392	410	95 +	347	750	226811	227220
UN55186	Rsa1.0.04419.1	588	17430	1.00E-137	250	251	99 +	88	338	2669	2919
UN55187	Rsa1.0.00118.1	794	130637	1.00E-139	284	295	96 +	412	706	35795	36089
UN55188	Rsa1.0.00033.1	586	515811	8.00E-84	164	166	98 +	421	586	354853	355018
UN55189	Rsa1.0.03916.1	662	20117	0	333	334	99 -	3	336	17349	17682
UN55190	Rsa1.0.01033.1	751	56173	1.00E-77	148	148	100 +	3	150	14419	14566
UN55191	Rsa1.0.02471.1	725	31104	0	479	495	96 -	234	725	29870	30364
UN55192	Rsa1.0.14087.1	730	3821	0	629	635	99 -	98	728	1519	2153
UN55193	Rsa1.0.00694.1	758	68074	0	723	725	99 -	2	725	6662	7386
UN55194	Rsa1.0.06520.1	554	10857	0	549	551	99 -	3	552	5720	6270
UN55195	Rsa1.0.00579.1	614	148308	1.00E-137	254	256	99 -	3	258	16093	16348
UN55196	Rsa1.0.10724.1	673	5745	0	324	325	99 -	3	327	5214	5538
UN55197	Rsa1.0.04194.1	707	132734	2.00E-35	92	97	94 -	220	316	119693	119789
UN55198	Rsa1.0.02110.1	645	34919	1.00E-109	200	200	100 +	91	290	20604	20803
UN55199	Rsa1.0.03794.1	694	20825	1.00E-177	366	383	95 -	310	692	7697	8079
UN55200	Rsa1.0.00272.1	497	447836	0	330	330	100 +	168	497	83840	84169
UN55201	Rsa1.0.00618.1	744	72195	0	740	749	98 +	2	744	32655	33403
UN55202	Rsa1.0.00269.1	679	341668	5.00E-67	130	130	100 +	108	237	45001	45130
UN55203	Rsa1.0.00204.1	724	109056	0	416	419	99 +	2	417	44191	44609
UN55204	Rsa1.0.02377.1	325	31994	1.00E-111	307	346	88 +	2	323	18818	19158
UN55205	Rsa1.0.02711.1	760	28475	0	635	687	92 -	2	675	26982	27668
UN55206	Rsa1.0.01174.1	693	51696	1.00E-167	330	338	97 -	357	693	35530	35866
UN55207	Rsa1.0.01273.1	673	49464	1.00E-175	320	323	99 -	351	673	40102	40424
UN55208	Rsa1.0.00017.1	322	752458	1.00E-108	218	223	97 -	89	310	138929	139151
UN55209	Rsa1.0.00385.1	777	89160	0	455	466	97 -	3	468	12113	12578
UN55210	Rsa1.0.00497.1	254	79830	1.00E-131	252	256	98 -	1	254	29627	29882
UN55211	Rsa1.0.01256.1	719	49770	1.00E-103	204	207	98 +	514	719	29387	29593
UN55212	Rsa1.0.01007.1	515	56933	0	509	514	99 +	2	515	22143	22656
UN55213	Rsa1.0.04214.1	559	18437	1.00E-116	230	236	97 -	3	238	7889	8124
UN55214	Rsa1.0.06092.1	303	11756	6.00E-77	224	249	89 +	57	303	369	612
UN55215	Rsa1.0.05287.1	748	14264	0	654	704	92 +	1	701	4668	5363
UN55216	Rsa1.0.00306.1	658	146760	1.00E-105	200	202	99 -	3	204	134121	134322
UN55217	Rsa1.0.00170.1	765	179538	1.00E-123	251	260	96 -	294	553	28952	29211
UN55218	Rsa1.0.59256.1	428	386	0	343	343	100 -	2	344	1	343
UN55219	Rsa1.0.00268.1	762	101470	0	508	512	99 +	10	521	36936	37447
UN55220	Rsa1.0.01719.1	779	40388	0	490	511	95 -	268	772	1130	1640
UN55221	Rsa1.0.00058.1	819	159921	0	343	349	98 +	2	350	50783	51131
UN55222	Rsa1.0.00016.1	797	831256	0	773	794	97 -	1	785	440954	441747

UN55223	Rsa1.0_14378.1	691	3455	0	374	382	97 +	1	376	3005	3386
UN55224	Rsa1.0_03565.1	420	22062	0	400	416	96 -	5	420	17829	18244
UN55225	Rsa1.0_00046.1	783	320315	0	620	678	91 -	114	780	68808	69455
UN55226	Rsa1.0_00620.1	409	71985	1.00E-112	260	275	94 -	89	359	54443	54715
UN55227	Rsa1.0_07056.1	626	9969	0	365	366	99 -	261	626	1841	2206
UN55228	Rsa1.0_00380.1	333	89748	1.00E-160	286	286	100 +	48	333	52464	52749
UN55229	Rsa1.0_05336.1	817	14117	0	733	766	95 -	2	763	5819	6581
UN55230	Rsa1.0_00342.1	808	93695	0	544	547	99 -	165	709	14752	15298
UN55231	Rsa1.0_00104.1	590	368722	0	588	588	100 +	3	590	273683	274270
UN55232	Rsa1.0_00168.1	767	115870	1.00E-141	324	337	96 +	399	728	40116	40449
UN55233	Rsa1.0_00420.1	810	86496	0	686	724	94 -	24	741	40222	40939
UN55234	Rsa1.0_01740.1	716	39986	0	456	479	95 +	224	696	11211	11687
UN55235	Rsa1.0_01065.1	625	55264	0	508	516	98 +	113	625	28205	28720
UN55236	Rsa1.0_00439.1	761	142776	1.00E-162	327	338	96 +	353	689	63119	63456
UN55237	Rsa1.0_02493.1	659	30854	1.00E-109	210	213	98 -	447	659	24534	24746
UN55238	Rsa1.0_02429.1	472	31527	1.00E-109	216	221	97 +	73	293	16509	16729
UN55239	Rsa1.0_21460.1	622	1202	0	366	368	99 +	1	368	583	950
UN55240	Rsa1.0_00009.1	780	232558	2.00E-85	173	177	97 -	391	567	62630	62806
UN55241	Rsa1.0_00097.1	593	138858	0	413	416	99 -	3	418	35955	36370
UN55242	Rsa1.0_00301.1	712	365315	0	689	708	97 -	3	708	228435	229136
UN55243	Rsa1.0_00190.1	783	318240	0	730	745	97 +	18	757	84353	85096
UN55244	Rsa1.0_00192.1	660	278200	0	340	343	99 +	3	345	11747	12088
UN55245	Rsa1.0_03213.1	641	24568	3.00E-71	214	237	90 -	375	604	11505	11741
UN55246	Rsa1.0_03304.1	765	23883	0	543	580	93 -	147	717	20917	21484
UN55247	Rsa1.0_00773.1	175	64839	2.00E-16	53	56	94 +	105	160	18598	18653
UN55248	Rsa1.0_06631.1	777	10632	0	399	415	96 -	3	411	369	783
UN55249	Rsa1.0_00611.1	685	72410	0	599	610	98 +	66	672	43471	44080
UN55250	Rsa1.0_00128.1	609	228675	0	468	491	95 -	71	560	190235	190722
UN55251	Rsa1.0_09317.1	593	6459	1.00E-141	274	279	98 +	316	593	5467	5745
UN55252	Rsa1.0_00449.1	790	83863	1.00E-163	347	366	94 -	3	368	56110	56468
UN55253	Rsa1.0_03276.1	635	24152	1.00E-152	335	355	94 +	3	357	13382	13733
UN55254	Rsa1.0_00321.1	650	95671	1.00E-159	294	297	98 -	1	297	77384	77680
UN55255	Rsa1.0_00623.1	705	207630	0	691	695	99 +	1	692	191283	191977
UN55256	Rsa1.0_00414.1	661	202190	0	634	663	95 -	3	661	66384	67041
UN55257	Rsa1.0_00008.1	692	358124	0	605	619	97 -	4	622	24044	24656
UN55258	Rsa1.0_04259.1	670	18253	0	553	569	97 -	103	666	10815	11381
UN55259	Rsa1.0_03087.1	735	25478	2.00E-11	101	121	83 +	21	140	15405	15525
UN55260	Rsa1.0_33532.1	798	676	1.00E-135	309	330	93 +	64	390	2	325
UN55261	Rsa1.0_05762.1	713	12715	0	416	435	95 +	281	711	11648	12082

UN55262	Rsa1.0.68049.1	116	337	2.00E-37	79	79	100 -	38	116	259	337
UN55263	Rsa1.0.02045.1	398	35650	0	390	396	98 +	3	398	3519	3911
UN55264	Rsa1.0.05870.1	776	146055	0	443	459	96 +	3	459	10604	11062
UN55265	Rsa1.0.01529.1	737	43871	0	677	738	91 +	9	737	42526	43242
UN55266	Rsa1.0.00437.1	819	84879	3.00E-90	186	191	97 +	102	289	54317	54507
UN55267	Rsa1.0.02879.1	777	27047	5.00E-92	175	176	99 -	3	178	26523	26698
UN55268	Rsa1.0.00135.1	299	178077	1.00E-163	296	298	99 +	2	299	38823	39120
UN55269	Rsa1.0.02080.1	174	35297	8.00E-78	160	163	98 +	10	171	21305	21467
UN55270	Rsa1.0.00088.1	655	141341	0	449	450	99 +	206	655	79307	79756
UN55271	Rsa1.0.00890.1	742	323870	0	377	380	99 -	366	742	292188	292567
UN55272	Rsa1.0.02020.1	823	173211	0	466	492	94 -	341	823	137952	138443
UN55273	Rsa1.0.06566.1	803	10764	1.00E-159	318	324	98 -	405	724	4725	5048
UN55274	Rsa1.0.00525.1	665	78030	0	663	664	99 +	3	665	52034	52697
UN55275	Rsa1.0.01388.1	794	46741	1.00E-132	255	260	98 +	62	321	28320	28579
UN55276	Rsa1.0.02035.1	426	35776	1.00E-149	282	287	98 +	140	426	8211	8497
UN55277	Rsa1.0.00250.1	823	273771	1.00E-127	257	264	97 -	3	262	62424	62686
UN55278	Rsa1.0.04006.1	569	19585	0	566	568	99 -	3	569	18983	19550
UN55279	Rsa1.0.15552.1	772	2546	1.00E-80	170	173	98 -	554	724	2374	2546
UN55280	Rsa1.0.00001.1	613	363028	1.00E-118	278	298	93 +	2	299	128467	128761
UN55281	Rsa1.0.18639.1	806	1561	4.00E-65	142	147	96 +	62	208	20	166
UN55282	Rsa1.0.02352.1	737	32301	0	685	742	92 -	1	737	900	1641
UN55283	Rsa1.0.00917.1	802	182012	0	604	621	97 +	2	622	153742	154362
UN55284	Rsa1.0.00030.1	746	250988	0	648	674	96 -	1	670	217135	217805
UN55285	Rsa1.0.00642.1	789	201230	4.00E-65	136	139	97 -	40	178	64647	64785
UN55286	Rsa1.0.00422.1	723	86144	0	631	671	94 +	15	661	34737	35403
UN55287	Rsa1.0.00707.1	566	190112	1.00E-159	317	323	98 -	3	320	53610	53932
UN55288	Rsa1.0.15602.1	751	2523	1.00E-124	226	226	100 +	117	342	1	226
UN55289	Rsa1.0.00123.1	564	325650	0	472	479	98 -	86	564	292862	293340
UN55290	Rsa1.0.43239.1	610	519	1.00E-61	130	133	97 -	392	524	240	372
UN55291	Rsa1.0.00838.1	683	153820	0	443	453	97 +	230	680	27431	27883
UN55292	Rsa1.0.01645.1	499	41748	1.00E-112	424	493	86 -	1	485	17911	18388
UN55293	Rsa1.0.00482.1	758	81162	1.00E-149	314	323	97 -	442	758	53875	54197
UN55294	Rsa1.0.03158.1	791	24950	2.00E-70	157	164	95 -	436	599	16970	17133
UN55295	Rsa1.0.00136.1	764	122464	0	576	592	97 -	48	639	115445	116036
UN55296	Rsa1.0.02722.1	558	28417	1.00E-160	304	310	98 +	20	329	959	1268
UN55297	Rsa1.0.01865.1	725	37992	6.00E-70	185	199	92 +	458	654	32692	32890
UN55298	Rsa1.0.05596.1	628	137912	1.00E-150	295	302	97 +	333	628	131715	132016
UN55299	Rsa1.0.00440.1	729	84723	3.00E-81	175	182	96 -	548	729	25217	25398
UN55300	Rsa1.0.01877.1	743	37789	0	732	744	98 +	2	743	24747	25490

UN55301	Rsa1.0.01650.1	721	41589	1.00E-175	370	389	95 +	3	391	27320	27705
UN55302	Rsa1.0.24027.1	689	1011	1.00E-110	214	217	98 -	473	689	788	1002
UN55303	Rsa1.0.01868.1	754	150904	0	505	508	99 +	3	510	1829	2336
UN55304	Rsa1.0.01222.1	723	50398	1.00E-174	351	361	97 -	361	717	9559	9919
UN55305	Rsa1.0.04025.1	756	19511	1.00E-138	252	253	99 +	449	701	1506	1758
UN55306	Rsa1.0.02808.1	677	27677	1.00E-125	348	386	90 -	296	677	17239	17614
UN55307	Rsa1.0.01964.1	797	36702	3.00E-90	172	173	99 -	397	569	9859	10031
UN55308	Rsa1.0.09270.1	747	6513	0	668	727	91 -	15	731	5485	6181
UN55309	Rsa1.0.07051.1	738	9980	1.00E-73	183	197	92 -	42	238	9243	9439
UN55310	Rsa1.0.04576.1	798	16783	0	644	670	96 +	2	668	13500	14167
UN55311	Rsa1.0.00211.1	127	228189	6.00E-41	115	125	92 +	2	126	209237	209361
UN55312	Rsa1.0.00457.1	660	337301	0	380	399	95 +	247	645	190464	190862
UN55313	Rsa1.0.00912.1	745	59923	0	693	693	100 +	1	693	27785	28477
UN55314	Rsa1.0.00788.1	755	64237	1.00E-98	203	210	96 +	4	213	32094	32297
UN55315	Rsa1.0.07617.1	663	9015	0	401	402	99 -	262	663	8339	8740
UN55316	Rsa1.0.00596.1	789	73578	0	518	518	100 +	2	519	9141	9658
UN55317	Rsa1.0.02431.1	566	31504	2.00E-38	100	106	94 +	231	336	27641	27746
UN55318	Rsa1.0.00879.1	668	61297	1.00E-24	89	99	89 -	184	282	34636	34734
UN55319	Rsa1.0.00201.1	779	232851	0	739	769	96 +	3	767	45027	45790
UN55320	Rsa1.0.01106.1	712	53916	0	370	375	98 +	3	377	784	1158
UN55321	Rsa1.0.00284.1	715	323267	0	348	348	100 +	368	715	275018	275365
UN55322	Rsa1.0.00015.1	649	561803	1.00E-175	373	391	95 +	42	432	370491	370874
UN55323	Rsa1.0.02308.1	797	32768	0	734	762	96 +	8	755	23143	23903
UN55324	Rsa1.0.00138.1	117	247040	6.00E-44	105	110	95 -	4	113	5329	5438
UN55325	Rsa1.0.06876.1	712	10223	0	448	448	100 +	1	448	2025	2472
UN55326	Rsa1.0.01423.1	126	46170	7.00E-22	64	67	95 -	62	125	11668	11734
UN55327	Rsa1.0.01344.1	119	142535	2.00E-34	104	114	91 +	1	114	117640	117753
UN55328	Rsa1.0.06166.1	172	11583	7.00E-63	152	162	93 -	11	172	6269	6430
UN55329	Rsa1.0.00942.1	281	58873	1.00E-137	271	279	97 -	3	281	3209	3487
UN55330	Rsa1.0.00484.1	167	203294	4.00E-55	149	161	92 +	7	167	49937	50096
UN55331	Rsa1.0.00407.1	190	191544	1.00E-67	175	190	92 -	1	190	176938	177127
UN55332	Rsa1.0.02048.1	339	35605	5.00E-87	196	207	94 +	5	211	24322	24528
UN55333	Rsa1.0.00480.1	795	81325	0	345	346	99 +	2	347	41824	42169
UN55334	Rsa1.0.03854.1	569	20429	1.00E-110	205	206	99 +	5	210	6162	6367
UN55335	Rsa1.0.03477.1	755	22635	1.00E-165	347	363	95 +	1	361	8510	8869
UN55336	Rsa1.0.03560.1	466	22092	0	436	463	94 -	1	463	379	840
UN55337	Rsa1.0.02658.1	837	28978	0	368	370	99 +	2	371	18332	18701
UN55338	Rsa1.0.00780.1	816	147795	1.00E-151	312	325	96 +	165	486	59359	59683
UN55339	Rsa1.0.00807.1	743	63607	0	706	722	97 +	11	732	16903	17624

UN55340	Rsa1.0_00417.1	334	395068	1.00E-139	317	334	94 +	1	334	376590	376919
UN55341	Rsa1.0_11170.1	281	5596	2.00E-42	118	128	92 +	71	198	2625	2752
UN55342	Rsa1.0_00387.1	236	495407	6.00E-95	222	236	94 -	1	236	377675	377909
UN55343	Rsa1.0_06213.1	685	11478	5.00E-73	258	294	87 +	396	685	7283	7560
UN55344	Rsa1.0_01206.1	729	50772	0	704	730	96 -	7	729	25709	26438
UN55345	Rsa1.0_00301.1	263	365315	1.00E-99	241	260	92 +	4	263	224585	224844
UN55346	Rsa1.0_00991.1	898	143101	1.00E-175	320	323	99 -	350	672	126314	126636
UN55347	Rsa1.0_00255.1	714	204967	0	690	716	96 -	1	709	70989	71702
UN55348	Rsa1.0_00004.1	587	253996	0	577	587	98 -	1	587	10089	10670
UN55349	Rsa1.0_00097.1	846	138858	0	554	556	99 +	291	846	4891	5446
UN55350	Rsa1.0_00630.1	951	71281	1.00E-178	352	364	96 +	346	709	61583	61946
UN55351	Rsa1.0_00865.1	229	61686	4.00E-40	133	148	89 +	1	147	967	1114
UN55352	Rsa1.0_02750.1	213	28239	7.00E-79	199	215	92 +	1	212	25620	25834
UN55353	Rsa1.0_00097.1	558	138858	1.00E-140	276	284	97 +	5	288	14069	14352
UN55354	Rsa1.0_01606.1	766	42432	1.00E-176	400	424	94 +	1	423	16031	16440
UN55355	Rsa1.0_00525.1	772	78030	1.00E-172	334	343	97 -	426	768	7279	7621
UN55356	Rsa1.0_00481.1	233	81316	9.00E-54	188	218	86 +	9	226	71997	72200
UN55357	Rsa1.0_00014.1	856	348985	1.00E-158	354	374	94 +	468	829	173701	174072
UN55358	Rsa1.0_00041.1	118	186197	2.00E-46	112	118	94 +	1	118	183313	183430
UN55359	Rsa1.0_05008.1	114	15154	2.00E-15	70	77	90 -	1	75	11964	12039
UN55360	Rsa1.0_01116.1	372	142088	1.00E-152	342	359	95 +	1	359	130103	130455
UN55361	Rsa1.0_00858.1	123	61892	4.00E-42	114	123	92 -	1	123	20267	20389
UN55362	Rsa1.0_00333.1	101	94500	1.00E-50	101	101	100 -	1	101	46834	46934
UN55363	Rsa1.0_00001.1	464	363028	1.00E-128	253	259	97 +	1	259	47817	48073
UN55364	Rsa1.0_00030.1	625	250988	2.00E-60	122	123	99 +	442	564	183836	183958
UN55365	Rsa1.0_00034.1	456	260119	6.00E-47	124	133	93 -	6	134	89248	89380
UN55366	Rsa1.0_00964.1	433	316648	1.00E-124	250	258	96 -	1	258	165354	165611
UN55367	Rsa1.0_03426.1	359	23010	1.00E-156	309	319	96 -	41	359	4859	5177
UN55368	Rsa1.0_03714.1	768	21217	0	402	405	99 -	3	407	15909	16313
UN55369	Rsa1.0_00811.1	802	63242	0	790	802	98 -	1	802	45873	46672
UN55370	Rsa1.0_04876.1	131	15631	2.00E-31	81	85	95 +	1	85	4422	4506
UN55371	Rsa1.0_00363.1	183	90968	3.00E-68	167	179	93 -	1	179	73572	73745
UN55372	Rsa1.0_02089.1	337	35163	1.00E-172	326	333	97 +	1	333	22953	23285
UN55373	Rsa1.0_02020.1	103	173211	1.00E-35	94	100	94 -	4	103	9121	9220
UN55374	Rsa1.0_02260.1	122	33260	1.00E-26	64	65	98 -	58	122	25874	25938
UN55375	Rsa1.0_01468.1	219	45146	2.00E-91	176	178	98 -	42	219	40452	40629
UN55376	Rsa1.0_01769.1	315	39568	1.00E-164	293	293	100 -	7	299	9087	9379
UN55377	Rsa1.0_01637.1	148	41862	1.00E-33	82	85	96 +	56	140	774	858
UN55378	Rsa1.0_43429.1	481	517	1.00E-111	222	228	97 -	110	337	290	517

UN55379	Rsa1.0.00842.1	146	62493	3.00E-18	50	51	98 -	96	146	660	710
UN55380	Rsa1.0.00573.1	360	74821	1.00E-157	345	363	95 +	1	360	45049	45409
UN55381	Rsa1.0.01701.1	321	162121	1.00E-102	219	228	96 +	15	242	27427	27652
UN55382	Rsa1.0.00371.1	264	90463	1.00E-118	248	259	95 +	6	264	73493	73751
UN55383	Rsa1.0.00133.1	192	123768	2.00E-85	184	192	95 -	1	192	9914	10105
UN55384	Rsa1.0.03259.1	155	24290	7.00E-78	153	155	98 -	1	155	2191	2345
UN55385	Rsa1.0.00135.1	502	178077	0	499	502	99 +	1	502	94614	95114
UN55386	Rsa1.0.01423.1	248	46170	1.00E-109	237	247	95 -	3	248	12754	12998
UN55387	Rsa1.0.02463.1	351	31157	1.00E-142	267	271	98 +	1	271	5693	5963
UN55388	Rsa1.0.02299.1	631	32857	1.00E-124	234	237	98 +	216	452	18267	18503
UN55389	Rsa1.0.00422.1	159	86144	1.00E-70	156	159	98 -	1	159	33961	34116
UN55390	Rsa1.0.05045.1	560	15035	0	552	560	98 +	1	560	11627	12186
UN55391	Rsa1.0.00056.1	207	332604	5.00E-86	189	197	95 +	11	207	214697	214892
UN55392	#	#	#	#	#	#	#	#	#	#	#
UN55393	Rsa1.0.00207.1	311	248736	1.00E-142	291	303	96 -	9	311	15107	15409
UN55394	Rsa1.0.00004.1	267	253996	2.00E-30	71	72	98 -	196	267	234442	234513
UN55395	Rsa1.0.01527.1	236	43905	3.00E-29	88	94	93 +	144	236	36094	36187
UN55396	Rsa1.0.00635.1	806	175826	0	370	371	99 +	1	371	123351	123721
UN55397	Rsa1.0.08180.1	772	7778	3.00E-62	122	122	100 -	269	390	7646	7767
UN55398	Rsa1.0.05599.1	788	143653	0	788	789	99 +	1	788	12241	13029
UN55399	Rsa1.0.00026.1	359	327835	1.00E-136	261	266	98 -	1	266	174424	174689
UN55400	Rsa1.0.00466.1	356	82132	1.00E-173	344	356	96 -	1	356	80711	81066
UN55401	Rsa1.0.00213.1	246	108167	2.00E-76	226	248	91 +	1	246	34719	34953
UN55402	Rsa1.0.03368.1	574	23382	0	562	574	97 -	1	574	3638	4211
UN55403	Rsa1.0.06258.1	395	11371	7.00E-71	152	156	97 -	1	155	11013	11168
UN55404	Rsa1.0.02431.1	133	31504	4.00E-42	108	115	93 +	19	133	4161	4275
UN55405	Rsa1.0.09273.1	614	6511	0	344	344	100 +	14	357	1	344
UN55406	Rsa1.0.35727.1	293	633	1.00E-101	187	187	100 +	107	293	1	187
UN55407	Rsa1.0.05749.1	292	12746	9.00E-73	242	276	87 -	18	292	1577	1829
UN55408	#	#	#	#	#	#	#	#	#	#	#
UN55409	Rsa1.0.01176.1	743	51638	0	593	626	94 +	118	743	3883	4508
UN55410	Rsa1.0.00422.1	498	86144	0	409	431	94 -	8	436	16094	16523
UN55411	Rsa1.0.00218.1	118	201480	1.00E-47	111	116	95 +	1	116	25604	25719
UN55412	Rsa1.0.06839.1	553	10286	1.00E-101	289	325	88 +	3	312	6327	6640
UN55413	#	#	#	#	#	#	#	#	#	#	#
UN55414	Rsa1.0.00085.1	374	142226	1.00E-172	355	370	95 +	1	370	64508	64876
UN55415	Rsa1.0.02588.1	695	29840	0	627	629	99 -	67	695	4451	5079
UN55416	Rsa1.0.02707.1	518	28520	3.00E-77	153	155	98 -	258	412	13182	13336
UN55417	Rsa1.0.00339.1	202	222974	3.00E-53	112	114	98 -	78	191	211475	211588

UN55418	Rsa1.0_04245.1	366	18299	2.33E-156	343	363	94 +	5	366	8079	8437
UN55419	Rsa1.0_01007.1	185	56933	2.00E-63	175	189	92 -	1	185	32707	32894
UN55420	Rsa1.0_00992.1	764	57419	0	373	380	98 +	82	461	40504	40883
UN55421	Rsa1.0_26178.1	782	903	0	590	614	96 +	1	610	92	699
UN55422	Rsa1.0_00105.1	791	134138	0	591	609	97 -	1	605	107748	108348
UN55423	Rsa1.0_04888.1	234	15595	1.00E-122	231	234	98 -	1	234	2086	2319
UN55424	Rsa1.0_04108.1	139	19001	2.00E-44	121	131	92 +	1	131	9824	9954
UN55425	Rsa1.0_00273.1	894	326186	0	578	599	96 -	6	602	37563	38157
UN55426	Rsa1.0_00044.1	249	271658	7.00E-36	101	109	92 +	70	178	269820	269928
UN55427	Rsa1.0_17143.1	283	1910	7.00E-95	198	204	97 +	80	283	612	814
UN55428	Rsa1.0_03035.1	690	25827	3.00E-74	142	142	100 +	543	684	4594	4735
UN55429	Rsa1.0_00027.1	708	283362	7.00E-88	174	177	98 -	532	708	136871	137047
UN55430	Rsa1.0_00645.1	722	189716	0	485	488	99 -	4	490	3390	3877
UN55431	Rsa1.0_00491.1	550	80219	1.00E-151	329	349	94 -	3	340	33681	34028
UN55432	Rsa1.0_00238.1	471	193193	1.00E-158	426	470	90 +	12	470	79870	80337
UN55433	Rsa1.0_00040.1	451	324196	1.00E-118	258	270	95 -	39	306	308714	308982
UN55434	Rsa1.0_01703.1	289	40713	1.00E-123	275	290	94 -	1	289	22184	22470
UN55435	Rsa1.0_00419.1	558	86562	0	460	496	92 -	49	544	69061	69552
UN55436	Rsa1.0_00890.1	861	323870	1.00E-144	279	283	98 -	4	285	213739	214020
UN55437	Rsa1.0_06757.1	107	10411	3.00E-42	102	107	95 +	1	107	3438	3544
UN55438	Rsa1.0_00640.1	719	70979	0	494	505	97 -	1	505	49450	49953
UN55439	Rsa1.0_00913.1	798	59914	0	575	615	93 -	205	798	10636	11250
UN55440	Rsa1.0_19297.1	307	1450	1.00E-161	301	305	98 -	3	307	391	692
UN55441	Rsa1.0_06671.1	723	10563	0	701	704	99 +	20	723	4986	5689
UN55442	Rsa1.0_00495.1	732	79934	0	579	583	99 -	2	581	11988	12570
UN55443	Rsa1.0_02859.1	697	162118	0	679	696	97 +	2	697	156024	156719
UN55444	Rsa1.0_00008.1	450	358124	1.00E-125	249	256	97 -	1	256	30632	30887
UN55445	Rsa1.0_00081.1	814	143261	0	428	441	97 -	3	441	129500	129940
UN55446	Rsa1.0_00351.1	246	413096	1.00E-34	109	119	91 +	65	182	244930	245048
UN55447	Rsa1.0_00275.1	782	210104	1.00E-131	252	257	98 +	2	258	161321	161577
UN55448	Rsa1.0_00062.1	569	299291	0	385	400	96 +	170	569	293440	293838
UN55449	Rsa1.0_29377.1	451	784	4.00E-88	183	189	96 +	263	451	576	764
UN55450	Rsa1.0_03029.1	850	25858	1.00E-145	273	277	98 -	451	727	15109	15385
UN55451	Rsa1.0_00698.1	404	67816	1.00E-91	195	203	96 -	68	270	21219	21421
UN55452	Rsa1.0_00498.1	675	79746	0	659	676	97 -	1	675	44914	45589
UN55453	Rsa1.0_00826.1	388	166736	1.00E-114	247	260	95 -	1	260	130040	130299
UN55454	Rsa1.0_02663.1	645	169243	1.00E-177	329	334	98 -	297	630	21780	22113
UN55455	Rsa1.0_00268.1	775	101470	1.00E-153	280	282	99 -	2	283	41310	41591
UN55456	Rsa1.0_00016.1	408	831256	1.00E-131	284	300	94 +	115	408	440582	440881

UN55457	Rsa1.0.01065.1	665	55264	0	576	585	98 -	81	665	29647	30231
UN55458	Rsa1.0.03303.1	146	23890	3.00E-58	138	146	94 -	1	146	4269	4414
UN55459	Rsa1.0.02493.1	502	30854	0	499	500	99 +	3	502	23573	24072
UN55460	Rsa1.0.00040.1	692	324196	0	690	693	99 -	1	692	90586	91278
UN55461	Rsa1.0_40811.1	797	550	1.00E-139	277	283	97 -	517	797	268	550
UN55462	Rsa1.0_00467.1	564	156542	1.00E-104	291	322	90 +	9	324	80195	80512
UN55463	Rsa1.0.14177.1	809	3699	1.00E-159	297	301	98 +	378	678	3242	3542
UN55464	Rsa1.0.00190.1	504	318240	0	503	504	99 -	1	504	85309	85812
UN55465	Rsa1.0.00335.1	832	94371	0	811	840	96 +	1	832	10703	11539
UN55466	Rsa1.0.00158.1	465	117999	0	464	465	99 -	1	465	24064	24528
UN55467	Rsa1.0.00916.1	560	59789	1.00E-115	247	258	95 -	3	259	35590	35847
UN55468	Rsa1.0.00347.1	872	93048	1.00E-165	318	325	97 -	147	471	12000	12322
UN55469	Rsa1.0.03307.1	565	23872	0	452	484	93 -	67	542	17877	18358
UN55470	Rsa1.0.00985.1	751	161950	0	748	750	99 -	2	751	48200	48949
UN55471	#	#	#	#	#	#	#	#	#	#	#
UN55472	Rsa1.0.00243.1	775	103651	1.00E-177	453	490	92 +	288	773	36016	36497
UN55473	Rsa1.0.01056.1	797	55449	0	782	796	98 -	2	797	48485	49280
UN55474	Rsa1.0_15455.1	165	2595	1.00E-76	161	165	97 +	1	165	1893	2056
UN55475	Rsa1.0.00332.1	212	94575	2.00E-33	91	97	93 +	115	211	39580	39676
UN55476	Rsa1.0.00623.1	671	207630	0	668	673	99 -	1	671	191854	192526
UN55477	Rsa1.0.00377.1	685	90038	1.00E-145	287	295	97 +	7	298	489	783
UN55478	Rsa1.0.00003.1	554	340054	0	398	412	96 +	1	409	276986	277397
UN55479	Rsa1.0.00008.1	698	358124	0	428	433	98 +	266	698	23216	23648
UN55480	Rsa1.0.01143.1	645	52456	0	634	646	98 +	1	645	218	862
UN55481	Rsa1.0.03486.1	668	22573	1.00E-164	355	373	95 +	1	372	13178	13549
UN55482	Rsa1.0.18634.1	739	1562	0	449	485	92 +	261	739	1016	1497
UN55483	Rsa1.0.09273.1	549	6511	0	545	549	99 -	2	549	1364	1912
UN55484	Rsa1.0.00731.1	564	66638	0	456	468	97 -	2	461	2946	3413
UN55485	Rsa1.0.00082.1	528	237584	1.00E-115	235	243	96 -	92	334	138563	138805
UN55486	Rsa1.0.01231.1	470	50208	1.00E-159	307	313	98 -	84	396	41437	41748
UN55487	Rsa1.0.00609.1	763	72785	0	470	483	97 -	84	566	52616	53098
UN55488	Rsa1.0.00131.1	713	432233	1.00E-174	324	328	98 -	1	328	96212	96536
UN55489	#	#	#	#	#	#	#	#	#	#	#
UN55490	Rsa1.0.00099.1	429	159619	0	420	429	97 -	1	429	51803	52231
UN55491	Rsa1.0.00105.1	807	134138	0	586	619	94 -	1	604	61301	61914
UN55492	Rsa1.0.00373.1	456	90296	7.00E-56	117	119	98 +	229	347	60491	60609
UN55493	Rsa1.0.05762.1	268	12715	1.00E-114	246	257	95 -	1	256	11976	12232
UN55494	Rsa1.0.03465.1	651	22700	1.00E-115	225	229	98 -	3	228	11011	11239
UN55495	Rsa1.0.00051.1	499	258225	0	476	508	93 +	3	499	119327	119832

UN55496	Rsa1.0.01949.1	716	36960	0	479	486	98 +	192	677	32593	33078
UN55497	Rsa1.0.00271.1	428	101125	1.00E-112	269	291	92 -	1	278	97740	98030
UN55498	Rsa1.0.00135.1	718	178077	0	702	714	98 -	5	718	39121	39834
UN55499	Rsa1.0.04280.1	788	18110	0	670	734	91 +	59	788	5383	6087
UN55500	Rsa1.0.02320.1	787	32575	0	332	333	99 +	2	334	6256	6588
UN55501	Rsa1.0.01846.1	813	38367	0	496	511	97 +	1	511	945	1455
UN55502	Rsa1.0.01236.1	100	50156	9.00E-27	88	97	90 +	4	100	44011	44107
UN55503	Rsa1.0.04396.1	827	17561	1.00E-117	248	255	97 -	4	257	2712	2964
UN55504	Rsa1.0.00017.1	727	752458	1.00E-113	214	216	99 +	1	216	290240	290455
UN55505	Rsa1.0.16572.1	187	2108	2.00E-91	186	191	97 -	1	187	699	889
UN55506	Rsa1.0.01409.1	609	151595	0	419	447	93 +	2	448	118291	118731
UN55507	Rsa1.0.00128.1	527	228675	1.00E-102	207	213	97 +	1	213	180439	180651
UN55508	Rsa1.0.08717.1	510	7008	0	487	510	95 -	1	510	2922	3428
UN55509	Rsa1.0.01215.1	549	166813	0	363	373	97 +	1	373	9634	10006
UN55510	Rsa1.0.00130.1	840	125737	0	662	724	91 -	9	721	8316	9012
UN55511	Rsa1.0.00067.1	187	415055	5.00E-33	111	123	90 +	32	147	69791	69913
UN55512	Rsa1.0.00067.1	727	415055	0	392	406	96 +	322	727	82824	83229
UN55513	Rsa1.0.00032.1	766	306326	0	760	763	99 +	1	763	273680	274442
UN55514	Rsa1.0.00351.1	849	413096	1.00E-116	273	288	94 -	549	832	393418	393705
UN55515	Rsa1.0.00022.1	208	200461	1.00E-80	179	188	95 +	21	208	18423	18610
UN55516	Rsa1.0.00955.1	613	58358	0	612	613	99 +	1	613	40899	41511
UN55517	Rsa1.0.00531.1	146	77387	4.00E-70	143	146	97 +	1	146	10527	10672
UN55518	Rsa1.0.01778.1	217	39509	3.00E-44	109	115	94 +	1	115	16610	16724
UN55519	Rsa1.0.00905.1	233	60110	1.00E-129	233	233	100 +	1	233	19129	19361
UN55520	Rsa1.0.08165.1	208	7806	4.00E-43	92	93	98 -	23	115	2694	2786
UN55521	Rsa1.0.06476.1	533	10946	5.00E-11	42	44	95 +	292	335	5859	5902
UN55522	Rsa1.0.09550.1	571	6295	1.00E-164	320	329	97 -	1	329	150	478
UN55523	Rsa1.0.02583.1	188	29887	8.00E-69	138	140	98 -	7	146	6571	6710
UN55524	Rsa1.0.01773.1	106	39546	4.00E-32	88	94	93 +	5	98	27497	27590
UN55525	Rsa1.0.00528.1	186	164755	6.00E-51	162	182	89 +	1	182	109641	109822
UN55526	Rsa1.0.03794.1	875	20825	0	805	855	94 +	11	860	6959	7799
UN55527	Rsa1.0.61533.1	386	372	1.00E-162	331	345	95 +	1	345	28	372
UN55528	Rsa1.0.00460.1	784	206387	0	750	777	96 -	1	768	492	1268
UN55529	Rsa1.0.00618.1	855	72195	0	845	852	99 -	1	847	33093	33944
UN55530	Rsa1.0.17021.1	726	1951	0	719	725	99 +	2	726	669	1393
UN55531	Rsa1.0.00110.1	116	132719	3.00E-39	103	110	93 -	7	116	103050	103159
UN55532	Rsa1.0.02589.1	154	300828	9.00E-59	142	151	94 -	1	151	16441	16591
UN55533	Rsa1.0.00165.1	771	116466	0	686	720	95 -	1	720	31495	32206
UN55534	Rsa1.0.00006.1	112	396176	5.00E-38	104	112	92 +	1	112	313840	313951

UN55535	Rsa1.0.00026.1	784	327835	0	780	785	99 +	1	784	174931	175715
UN55536	Rsa1.0.03572.1	671	146346	0	634	673	94 +	2	671	129365	130019
UN55537	Rsa1.0.02269.1	463	33168	0	403	427	94 +	2	423	18600	19023
UN55538	Rsa1.0.01869.1	562	37928	0	557	560	99 +	3	562	26780	27339
UN55539	Rsa1.0.00089.1	659	406142	0	642	655	98 +	1	655	86551	87204
UN55540	Rsa1.0.00029.1	451	272992	3.00E-98	206	214	96 +	1	214	250944	251157
UN55541	Rsa1.0.00614.1	707	72276	2.33E-156	568	660	86 -	23	679	31385	32037
UN55542	Rsa1.0.00021.1	757	263655	0	736	751	98 -	2	752	227779	228526
UN55543	Rsa1.0.03916.1	238	20117	2.00E-98	224	238	94 +	1	238	15645	15882
UN55544	Rsa1.0.00217.1	833	107079	0	394	403	97 -	1	403	100460	100862
UN55545	#	#	#	#	#	#	#	#	#	#	#
UN55546	Rsa1.0.01146.1	561	163455	1.00E-122	247	254	97 -	1	253	15434	15687
UN55547	Rsa1.0.00063.1	672	156150	1.00E-166	336	349	96 -	1	349	138349	138697
UN55548	Rsa1.0.03282.1	391	24107	4.00E-94	193	199	96 +	1	199	9576	9774
UN55549	Rsa1.0.00959.1	798	58202	0	356	357	99 -	213	569	57806	58162
UN55550	Rsa1.0.07555.1	794	9139	1.00E-109	226	233	96 +	1	232	3211	3443
UN55551	Rsa1.0.00198.1	202	222963	4.00E-83	184	192	95 +	12	202	176257	176448
UN55552	Rsa1.0.00676.1	182	69166	1.00E-33	157	181	86 -	3	180	53567	53737
UN55553	Rsa1.0.05367.1	864	14010	0	338	338	100 -	2	339	4072	4409
UN55554	Rsa1.0.22403.1	474	1124	1.00E-124	249	257	96 -	218	474	642	898
UN55555	Rsa1.0.01957.1	760	36844	0	514	563	91 +	16	563	22660	23219
UN55556	Rsa1.0.04623.1	719	16617	0	684	719	95 -	1	719	15575	16288
UN55557	Rsa1.0.02987.1	718	26196	1.00E-147	440	504	87 +	9	482	24981	25473
UN55558	Rsa1.0.04090.1	753	19145	0	486	489	99 -	1	488	6324	6812
UN55559	Rsa1.0.00104.1	404	368722	1.00E-143	314	332	94 -	8	337	257459	257790
UN55560	Rsa1.0.00039.1	725	296927	0	678	718	94 +	8	725	21042	21758
UN55561	Rsa1.0.00088.1	784	141341	0	779	785	99 -	1	784	79719	80503
UN55562	Rsa1.0.04116.1	154	18971	2.00E-32	118	133	88 -	27	152	1425	1556
UN55563	Rsa1.0.00589.1	653	209965	0	514	546	94 +	26	567	9764	10294
UN55564	Rsa1.0.03309.1	386	23852	6.00E-93	216	229	94 +	3	231	12278	12505
UN55565	Rsa1.0.67890.1	537	338	6.00E-23	123	144	85 +	33	176	80	222
UN55566	Rsa1.0.06566.1	747	10764	0	548	550	99 +	1	550	4499	5048
UN55567	Rsa1.0.00525.1	781	78030	0	735	786	93 -	4	781	53131	53916
UN55568	Rsa1.0.06392.1	288	11104	1.00E-138	278	288	96 -	1	288	10531	10818
UN55569	Rsa1.0.15552.1	787	2546	0	326	327	99 +	1	327	2220	2546
UN55570	Rsa1.0.18295.1	566	1629	0	536	566	94 -	1	566	85	650
UN55571	Rsa1.0.00805.1	123	63724	4.00E-42	111	119	93 -	1	119	9082	9200
UN55572	Rsa1.0.03290.1	219	24011	4.00E-74	189	205	92 +	12	216	3352	3556
UN55573	Rsa1.0.00213.1	734	108167	0	549	596	92 -	5	579	62067	62651

UN55574	Rsa1.0.03922.1	870	20060	0	529	539	98 -	1	537	2801	3339
UN55575	Rsa1.0.00151.1	729	119541	1.00E-180	337	343	98 -	387	729	36793	37135
UN55576	Rsa1.0.00422.1	465	86144	1.00E-136	249	250	99 -	3	252	36192	36441
UN55577	Rsa1.0.00838.1	771	153820	0	751	773	97 -	1	771	29668	30439
UN55578	Rsa1.0.05054.1	372	14983	1.00E-133	273	284	96 +	1	284	382	665
UN55579	Rsa1.0.01762.1	827	39682	1.00E-153	382	416	91 +	25	423	6860	7267
UN55580	Rsa1.0.00016.1	537	831256	0	514	538	95 +	2	537	499030	499562
UN55581	Rsa1.0.00159.1	731	431686	0	723	731	98 +	1	730	267202	267932
UN55582	Rsa1.0.00504.1	662	79334	1.00E-135	306	325	94 +	338	662	23369	23692
UN55583	Rsa1.0.05878.1	240	12344	1.00E-107	229	240	95 +	1	240	1488	1727
UN55584	Rsa1.0.00097.1	596	138858	1.00E-138	253	254	99 -	343	596	79901	80154
UN55585	Rsa1.0.05596.1	632	137912	0	626	632	99 -	2	632	132139	132770
UN55586	Rsa1.0.08611.1	875	7130	0	571	573	99 -	281	853	1922	2493
UN55587	Rsa1.0.01182.1	333	167304	1.00E-117	243	253	96 -	1	253	133142	133394
UN55588	Rsa1.0.00985.1	843	161950	0	549	567	96 -	12	578	36103	36669
UN55589	Rsa1.0.00221.1	214	106972	9.00E-69	184	199	92 +	16	214	17479	17674
UN55590	Rsa1.0.02808.1	245	27677	7.00E-67	197	219	89 +	30	245	17348	17566
UN55591	Rsa1.0.02545.1	796	30286	0	750	755	99 +	33	785	23850	24604
UN55592	Rsa1.0.00211.1	154	228189	1.00E-60	145	154	94 -	1	154	210072	210225
UN55593	Rsa1.0.05051.1	886	15018	0	465	471	98 +	1	470	13846	14315
UN55594	Rsa1.0.00252.1	729	102760	0	706	736	95 -	1	729	87463	88198
UN55595	Rsa1.0.03015.1	217	26006	1.00E-107	208	212	98 -	1	212	12458	12669
UN55596	Rsa1.0.02118.1	815	34839	0	793	817	97 -	1	815	29145	29955
UN55597	Rsa1.0.01287.1	666	49195	0	659	666	98 -	1	666	47940	48605
UN55598	Rsa1.0.02202.1	694	33961	9.00E-78	148	148	100 -	346	493	22482	22629
UN55599	Rsa1.0.00128.1	566	228675	1.00E-144	305	320	95 -	247	566	66195	66514
UN55600	Rsa1.0.01100.1	694	54113	0	647	710	91 -	6	694	24125	24816
UN55601	Rsa1.0.01481.1	224	184562	1.00E-107	217	224	96 +	1	224	180916	181139
UN55602	Rsa1.0.00125.1	668	253043	9.00E-38	132	149	88 +	520	668	4230	4378
UN55603	Rsa1.0.07361.1	747	9514	1.00E-156	286	288	99 +	227	514	8046	8333
UN55604	Rsa1.0.00201.1	866	232851	0	808	854	94 -	2	852	45801	46639
UN55605	Rsa1.0.01188.1	642	51362	1.00E-123	255	264	96 +	1	263	31595	31858
UN55606	Rsa1.0.00015.1	499	561803	0	405	418	96 -	1	418	371807	372220
UN55607	Rsa1.0.02308.1	805	32768	0	683	717	95 -	90	803	23513	24225
UN55608	Rsa1.0.00027.1	742	283362	1.00E-101	235	246	95 -	499	742	105131	105373
UN55609	Rsa1.0.05354.1	295	14073	6.00E-40	108	112	96 +	149	258	3206	3316
UN55610	Rsa1.0.00657.1	238	69858	1.00E-28	95	101	94 -	138	238	26546	26643
UN55611	Rsa1.0.00208.1	287	108565	2.00E-82	212	223	95 -	65	287	21465	21681
UN55612	Rsa1.0.17244.1	267	1882	5.00E-43	208	240	86 -	21	257	1626	1851

UN55613	Rsa1.0.00329.1	423	222544	8.00E-31	83	85	97 -	173	257	735	817
UN55614	Rsa1.0.01559.1	311	43262	1.00E-38	82	82	100 +	230	311	4366	4447
UN55615	Rsa1.0.03093.1	768	25445	0	690	717	96 +	3	717	13143	13853
UN55616	Rsa1.0.06303.1	356	11268	7.00E-40	87	88	98 -	204	291	9531	9618
UN55617	Rsa1.0.00421.1	101	86365	9.00E-27	89	93	95 -	1	93	82654	82742
UN55618	Rsa1.0.15037.1	671	2878	0	502	525	95 +	33	557	997	1505
UN55619	Rsa1.0.01082.1	463	54640	0	436	465	93 +	2	463	14087	14551
UN55620	Rsa1.0.00004.1	683	253996	0	682	683	99 +	1	683	208325	209007
UN55621	Rsa1.0.02379.1	647	150705	0	512	532	96 -	120	647	141626	142156
UN55622	Rsa1.0.01016.1	679	181422	1.00E-129	240	242	99 +	236	477	3575	3816
UN55623	Rsa1.0.03606.1	591	21818	7.00E-66	143	148	96 -	138	285	2456	2603
UN55624	Rsa1.0.04415.1	704	147889	0	529	531	99 -	175	704	5501	6031
UN55625	Rsa1.0.01134.1	505	52829	1.00E-106	196	196	100 -	1	196	43276	43471
UN55626	Rsa1.0.01893.1	609	37520	4.00E-92	182	184	98 +	1	184	26377	26559
UN55627	Rsa1.0.04355.1	574	146733	1.00E-168	336	347	96 -	229	573	14325	14671
UN55628	Rsa1.0.00780.1	566	147795	0	532	545	97 +	23	566	724	1268
UN55629	Rsa1.0.00005.1	625	353093	0	602	625	96 +	1	625	69451	70072
UN55630	Rsa1.0.02881.1	566	27041	0	464	508	91 +	1	486	3857	4363
UN55631	Rsa1.0.00556.1	306	207212	1.00E-135	294	306	96 -	1	305	198657	198957
UN55632	Rsa1.0.03769.1	153	20955	3.00E-18	105	115	91 +	19	133	10026	10133
UN55633	Rsa1.0.02400.1	646	31750	1.00E-135	267	276	96 -	3	269	21153	21428
UN55634	Rsa1.0.01618.1	210	42118	3.00E-41	182	204	89 -	7	209	17371	17565
UN55635	Rsa1.0.02253.1	140	33356	9.00E-25	61	62	98 +	79	140	24833	24894
UN55636	Rsa1.0.01060.1	459	55368	1.00E-114	280	293	95 -	1	293	43672	43956
UN55637	Rsa1.0.01170.1	192	161131	7.00E-17	48	49	97 +	144	192	132516	132564
UN55638	Rsa1.0.00490.1	344	186713	3.00E-51	103	103	100 +	165	267	71626	71728
UN55639	Rsa1.0.09269.1	194	6514	2.00E-41	93	94	98 +	97	190	491	583
UN55640	Rsa1.0.00112.1	668	132199	0	608	631	96 +	39	668	98396	99026
UN55641	Rsa1.0.00238.1	421	193193	0	417	423	98 +	1	421	190078	190499
UN55642	#	#	#	#	#	#	#	#	#	#	#
UN55643	Rsa1.0.04191.1	211	18578	7.00E-48	114	117	97 -	95	211	6691	6805
UN55644	Rsa1.0.00287.1	482	98687	1.00E-112	257	270	95 -	1	270	57224	57490
UN55645	Rsa1.0.07877.1	462	8373	3.00E-83	239	252	94 +	27	278	1077	1316
UN55646	Rsa1.0.02629.1	207	29350	1.00E-80	196	203	96 +	1	196	5649	5851
UN55647	Rsa1.0.00121.1	237	278029	5.00E-89	180	182	98 -	1	180	9797	9978
UN55648	Rsa1.0.02096.1	708	35041	0	703	710	99 +	1	708	3615	4322
UN55649	Rsa1.0.06624.1	603	10645	1.00E-116	234	241	97 +	212	452	4772	5012
UN55650	Rsa1.0.00711.1	559	67223	0	438	438	100 -	122	559	35196	35633
UN55651	Rsa1.0.00940.1	165	179946	3.00E-59	153	163	93 +	1	160	176145	176307

UN55652	Rsa1.0_04426.1	121	17399	2.00E-16	58	60	96 -	62	121	13231	13288
UN55653	Rsa1.0_00959.1	405	58202	0	386	405	95 +	4	404	11358	11761
UN55654	Rsa1.0_00093.1	495	214962	0	494	494	100 +	2	495	88411	88904
UN55655	Rsa1.0_00216.1	692	197563	0	676	697	96 +	1	692	91270	91965
UN55656	Rsa1.0_01445.1	556	45671	1.00E-138	250	250	100 +	307	556	27093	27342
UN55657	Rsa1.0_00525.1	436	78030	1.00E-121	248	252	98 -	148	395	4976	5227
UN55658	Rsa1.0_00636.1	267	71113	1.00E-40	88	89	98 -	93	181	15009	15097
UN55659	Rsa1.0_00067.1	487	415055	1.00E-142	268	271	98 -	217	487	242619	242888
UN55660	Rsa1.0_04422.1	442	17423	2.00E-84	201	210	95 -	9	216	11588	11794
UN55661	Rsa1.0_00194.1	163	110851	2.00E-60	149	154	96 +	10	163	50613	50762
UN55662	Rsa1.0_02496.1	309	30814	1.00E-101	208	211	98 +	1	211	1379	1586
UN55663	Rsa1.0_00463.1	724	189177	0	681	712	95 -	7	718	10658	11364
UN55664	Rsa1.0_00213.1	270	108167	9.00E-79	247	263	93 -	8	270	14641	14888
UN55665	Rsa1.0_01421.1	152	46197	3.00E-52	139	144	96 -	10	151	18235	18375
UN55666	Rsa1.0_02116.1	202	34853	2.00E-54	176	188	93 -	15	202	31255	31434
UN55667	Rsa1.0_08471.1	176	7302	1.00E-55	122	126	96 +	1	126	6438	6563
UN55668	Rsa1.0_00295.1	122	152597	3.00E-15	66	70	94 +	50	119	87220	87286
UN55669	Rsa1.0_01997.1	712	158416	1.00E-174	408	438	93 -	1	425	3183	3611
UN55670	Rsa1.0_01838.1	183	38500	6.00E-45	128	135	94 +	9	143	21490	21619
UN55671	Rsa1.0_00301.1	823	365315	0	557	583	95 +	259	819	194651	195232
UN55672	#	#	#	#	#	#	#	#	#	#	#
UN55673	Rsa1.0_02229.1	285	33672	4.00E-81	245	263	93 -	1	263	17849	18099
UN55674	Rsa1.0_00078.1	373	175053	1.00E-118	251	262	95 -	115	373	30587	30848
UN55675	Rsa1.0_00017.1	265	752458	1.00E-148	265	265	100 +	1	265	303853	304117
UN55676	Rsa1.0_00143.1	700	121313	0	670	699	95 +	2	700	46296	46988
UN55677	Rsa1.0_03237.1	836	24434	0	398	419	94 +	216	631	751	1165
UN55678	Rsa1.0_06035.1	280	11874	4.00E-13	52	55	94 -	226	280	8516	8569
UN55679	Rsa1.0_48139.1	794	470	0	388	395	98 -	64	458	76	470
UN55680	Rsa1.0_01080.1	507	54752	2.00E-96	228	235	97 -	160	394	8900	9127
UN55681	Rsa1.0_00931.1	121	59210	8.00E-31	68	68	100 -	54	121	6192	6259
UN55682	Rsa1.0_01211.1	205	50646	2.00E-32	153	176	86 +	25	199	42058	42222
UN55683	Rsa1.0_00805.1	142	63724	1.00E-33	104	109	95 +	25	133	4847	4951
UN55684	Rsa1.0_00329.1	161	222544	7.00E-38	93	96	96 -	1	96	73392	73486
UN55685	Rsa1.0_00245.1	354	103569	9.00E-98	241	252	95 -	103	354	55260	55503
UN55686	Rsa1.0_00473.1	409	212204	1.00E-69	229	246	93 +	165	409	20772	21007
UN55687	Rsa1.0_00055.1	138	520193	6.00E-35	122	133	91 +	1	133	164271	164397
UN55688	Rsa1.0_00751.1	165	65759	8.00E-41	147	159	92 +	1	159	3401	3550
UN55689	Rsa1.0_27604.1	460	846	9.00E-40	96	100	96 -	11	110	390	489
UN55690	Rsa1.0_01768.1	815	138463	1.00E-111	223	229	97 -	8	236	121794	122022

UN55691	Rsa1.0.01937.1	280	37147	7.00E-24	87	93	93 +	173	265	20704	20793
UN55692	Rsa1.0.06468.1	108	10958	6.00E-16	97	106	91 -	3	108	6858	6955
UN55693	Rsa1.0.65387.1	167	351	8.00E-41	125	132	94 +	36	167	8	133
UN55694	Rsa1.0.00247.1	294	103408	2.00E-39	86	87	98 +	60	146	72664	72750
UN55695	Rsa1.0.00222.1	240	172263	2.00E-54	127	131	96 -	113	240	17763	17893
UN55696	Rsa1.0.09343.1	123	6439	1.00E-26	79	84	94 -	40	123	4615	4696
UN55697	Rsa1.0.00179.1	434	393324	0	390	396	98 +	36	431	230406	230800
UN55698	Rsa1.0.15639.1	130	2510	3.00E-30	114	122	93 -	1	122	169	283
UN55699	Rsa1.0.03009.1	469	26065	1.00E-160	307	315	97 -	163	469	21362	21676
UN55700	Rsa1.0.71785.1	676	319	1.00E-58	116	116	100 +	480	595	37	152
UN55701	Rsa1.0.00078.1	638	175053	1.00E-132	242	243	99 -	107	349	41372	41614
UN55702	Rsa1.0.00060.1	449	502678	1.00E-155	281	282	99 -	1	282	74917	75198
UN55703	Rsa1.0.00071.1	282	345714	2.00E-49	117	120	97 -	111	229	206610	206728
UN55704	Rsa1.0.02248.1	259	33414	2.00E-39	118	123	95 -	1	123	13037	13154
UN55705	Rsa1.0.01315.1	599	48361	9.00E-90	196	204	96 +	383	586	29531	29733
UN55706	Rsa1.0.04364.1	709	17734	0	397	401	99 -	229	629	5652	6052
UN55707	Rsa1.0.00378.1	465	89892	1.00E-123	273	286	95 -	1	282	38675	38959
UN55708	Rsa1.0.01710.1	135	40586	1.00E-42	122	128	95 -	8	135	19405	19528
UN55709	Rsa1.0.02098.1	249	35032	3.00E-38	198	237	83 -	1	237	27401	27637
UN55710	Rsa1.0.01707.1	531	40686	6.00E-60	121	122	99 +	195	316	16726	16847
UN55711	Rsa1.0.05208.1	206	14504	2.00E-82	194	203	95 +	4	206	4067	4266
UN55712	Rsa1.0.02557.1	193	30127	1.00E-15	89	98	90 +	2	99	4747	4838
UN55713	Rsa1.0.04463.1	844	17247	1.00E-101	209	216	96 +	379	594	14698	14913
UN55714	Rsa1.0.00399.1	557	242951	0	517	539	95 -	1	538	65430	65958
UN55715	Rsa1.0.00877.1	311	61305	1.00E-142	303	311	97 +	1	311	15318	15621
UN55716	Rsa1.0.05194.1	796	14536	0	467	508	91 +	288	773	11824	12331
UN55717	Rsa1.0.09709.1	138	6198	1.00E-36	106	110	96 +	1	110	1877	1982
UN55718	Rsa1.0.00055.1	214	520193	6.00E-64	124	124	100 -	1	124	7080	7203
UN55719	Rsa1.0.04594.1	444	16713	2.00E-71	150	153	98 +	164	316	11361	11512
UN55720	Rsa1.0.00515.1	128	78417	4.00E-45	116	120	96 -	9	128	59952	60068
UN55721	Rsa1.0.00176.1	235	240984	1.00E-21	99	109	90 +	127	235	186323	186427
UN55722	Rsa1.0.00143.1	437	121313	0	401	414	96 +	9	416	9887	10298
UN55723	Rsa1.0.01139.1	232	52601	1.00E-58	202	217	93 -	9	225	17570	17773
UN55724	Rsa1.0.05878.1	231	12344	4.00E-25	123	141	87 -	96	231	1338	1478
UN55725	Rsa1.0.01199.1	770	163576	1.00E-89	168	168	100 -	1	168	3292	3459
UN55726	Rsa1.0.11285.1	282	5556	1.00E-56	160	168	95 +	103	264	3883	4050
UN55727	Rsa1.0.47118.1	563	480	1.00E-142	275	280	98 -	13	292	85	363
UN55728	Rsa1.0.02283.1	490	33024	3.00E-52	111	113	98 -	336	448	15118	15230
UN55729	Rsa1.0.01466.1	148	45161	5.00E-51	123	130	94 -	2	131	39082	39211

UN55730	Rsa1.0.09406.1	504	6391	3.00E-37	144	155	92 +	168	322	5674	5819
UN55731	Rsa1.0.00253.1	115	231292	3.00E-24	95	101	94 -	1	101	205385	205480
UN55732	Rsa1.0.00115.1	207	131321	2.00E-88	201	209	96 -	1	207	63428	63635
UN55733	Rsa1.0.00950.1	231	58547	2.00E-48	122	126	96 -	4	129	39149	39271
UN55734	Rsa1.0.00020.1	426	283099	0	411	426	96 -	1	426	101430	101845
UN55735	Rsa1.0.06170.1	261	11575	2.00E-98	233	243	95 -	1	242	6802	7036
UN55736	Rsa1.0.00428.1	679	85599	0	601	677	88 -	2	678	80384	81059
UN55737	Rsa1.0.00722.1	207	66840	3.00E-78	190	196	96 +	1	196	20744	20933
UN55738	Rsa1.0.00384.1	726	89278	1.00E-148	294	302	97 +	1	296	32439	32740
UN55739	Rsa1.0.04034.1	237	19481	5.00E-77	224	237	94 +	1	237	712	937
UN55740	Rsa1.0.03925.1	476	20025	0	456	474	96 -	3	476	13154	13620
UN55741	Rsa1.0.00722.1	714	66840	0	424	432	98 +	283	714	23022	23453
UN55742	Rsa1.0.00041.1	738	186197	1.00E-112	238	248	95 -	491	738	133923	134167
UN55743	Rsa1.0.01394.1	303	46641	2.00E-58	129	131	98 -	127	257	6167	6295
UN55744	Rsa1.0.00381.1	290	89718	8.00E-70	214	230	93 -	60	288	74644	74861
UN55745	Rsa1.0.00066.1	202	152418	4.00E-40	115	120	95 -	1	119	107601	107717
UN55746	Rsa1.0.00763.1	265	65121	5.00E-34	114	122	93 -	1	122	60149	60266
UN55747	Rsa1.0.03662.1	607	21492	2.00E-69	177	190	93 -	3	186	2930	3119
UN55748	Rsa1.0.00964.1	804	316648	0	795	804	98 +	1	804	291119	291922
UN55749	Rsa1.0.01571.1	704	43000	0	592	595	99 +	2	593	12195	12789
UN55750	Rsa1.0.01233.1	790	50184	1.00E-140	355	381	93 -	420	790	45580	45959
UN55751	Rsa1.0.00699.1	828	184398	0	780	790	98 -	1	790	146382	147170
UN55752	Rsa1.0.04003.1	744	19607	0	586	611	95 +	3	608	9061	9663
UN55753	Rsa1.0.10890.1	164	5688	7.00E-63	152	161	94 +	6	164	72	232
UN55754	Rsa1.0.00262.1	253	101906	9.00E-88	238	251	94 +	3	253	53434	53674
UN55755	Rsa1.0.07441.1	671	9388	1.00E-138	250	250	100 -	269	518	8156	8405
UN55756	Rsa1.0.02910.1	890	26843	2.00E-64	126	126	100 +	3	128	20245	20370
UN55757	Rsa1.0.00486.1	570	80875	0	515	525	98 +	1	525	4560	5083
UN55758	Rsa1.0.00112.1	694	132199	0	488	489	99 -	1	489	89607	90095
UN55759	Rsa1.0.00105.1	798	134138	1.00E-140	273	279	97 +	67	343	105152	105430
UN55760	Rsa1.0.00542.1	266	76831	1.00E-145	264	265	99 +	2	266	35769	36033
UN55761	Rsa1.0.01588.1	649	42724	1.00E-171	352	361	97 +	288	645	10555	10913
UN55762	Rsa1.0.02641.1	266	29191	2.00E-45	126	132	95 +	3	134	15399	15525
UN55763	Rsa1.0.09530.1	729	6308	8.00E-63	140	145	96 -	6	150	3	144
UN55764	Rsa1.0.00369.1	187	266462	5.00E-58	131	134	97 +	2	135	193109	193240
UN55765	Rsa1.0.04918.1	438	15441	0	436	437	99 +	2	438	3601	4037
UN55766	Rsa1.0.00026.1	218	327835	2.00E-91	208	218	95 +	2	218	209001	209217
UN55767	Rsa1.0.00147.1	560	249503	2.00E-59	129	132	97 -	244	373	219259	219390
UN55768	Rsa1.0.03460.1	409	22747	1.00E-128	321	337	95 +	77	409	5713	6039

UN55769	Rsa1.0.00181.1	388	114269	1.00E-124	303	321	94 +	66	386	44415	44729
UN55770	Rsa1.0.00321.1	166	95671	2.00E-26	84	89	94 +	52	140	19782	19868
UN55771	Rsa1.0_11694.1	456	131228	1.00E-102	189	189	100 +	70	258	369	557
UN55772	Rsa1.0_02252.1	135	33375	4.00E-11	49	51	96 -	85	135	27943	27991
UN55773	Rsa1.0_00019.1	288	301669	5.00E-96	226	238	94 +	1	230	113021	113258
UN55774	Rsa1.0_00052.1	196	162771	6.00E-70	146	150	97 +	47	196	122215	122364
UN55775	Rsa1.0_02930.1	143	26668	1.00E-39	118	123	95 -	20	142	1699	1816
UN55776	Rsa1.0_00097.1	140	138858	2.00E-44	127	134	94 +	1	134	91538	91666
UN55777	Rsa1.0_02224.1	169	33758	2.00E-16	73	79	92 -	91	169	27362	27436
UN55778	Rsa1.0_02061.1	793	35487	0	675	680	99 +	76	753	31626	32304
UN55779	Rsa1.0_00803.1	347	144228	1.00E-120	330	351	94 +	1	347	51922	52260
UN55780	Rsa1.0_02734.1	245	28344	1.00E-108	230	238	96 +	3	238	2436	2673
UN55781	#	#	#	#	#	#	#	#	#	#	#
UN55782	Rsa1.0_01046.1	577	152989	1.00E-100	186	186	100 +	171	356	136697	136882
UN55783	Rsa1.0_02925.1	247	26720	2.00E-61	170	180	94 -	1	180	21120	21294
UN55784	Rsa1.0_00409.1	486	146788	1.00E-112	217	221	98 -	2	222	97202	97422
UN55785	Rsa1.0_00178.1	263	114861	1.00E-109	253	263	96 +	1	263	5938	6193
UN55786	Rsa1.0_04286.1	675	18084	1.00E-175	345	351	98 +	330	675	2131	2481
UN55787	Rsa1.0_04141.1	748	18864	1.00E-154	277	277	100 +	3	279	14147	14423
UN55788	#	#	#	#	#	#	#	#	#	#	#
UN55789	Rsa1.0_00767.1	588	64980	0	398	399	99 -	114	512	17852	18250
UN55790	Rsa1.0_30762.1	229	745	6.00E-67	212	229	92 +	1	229	367	587
UN55791	Rsa1.0_00381.1	124	89718	8.00E-28	84	87	96 +	37	123	64358	64441
UN55792	Rsa1.0_04507.1	791	17045	0	599	611	98 +	3	613	7801	8407
UN55793	Rsa1.0_07904.1	667	8321	0	541	541	100 -	3	543	1684	2224
UN55794	Rsa1.0_03759.1	718	20987	3.00E-81	157	158	99 +	94	251	10029	10186
UN55795	Rsa1.0_07263.1	731	9644	1.00E-174	475	530	89 +	68	597	4440	4969
UN55796	Rsa1.0_01625.1	728	42019	0	428	442	96 -	287	728	29680	30114
UN55797	Rsa1.0_02223.1	347	152421	2.00E-18	81	92	88 -	4	95	24121	24212
UN55798	Rsa1.0_00040.1	458	324196	2.33E-156	265	266	99 -	193	458	163977	164242
UN55799	Rsa1.0_04238.1	169	18352	1.00E-11	83	91	91 +	63	153	1914	1997
UN55800	Rsa1.0_00040.1	741	324196	1.00E-98	183	183	100 -	79	261	283649	283831
UN55801	Rsa1.0_01053.1	607	55483	0	585	607	96 -	1	607	39458	40049
UN55802	Rsa1.0_00543.1	169	76788	1.00E-18	60	64	93 +	106	169	8313	8376
UN55803	Rsa1.0_02266.1	809	33195	1.00E-158	309	314	98 +	500	809	4279	4592
UN55804	Rsa1.0_05785.1	136	12639	9.00E-34	87	91	95 -	4	91	2991	3081
UN55805	Rsa1.0_15639.1	716	2510	0	713	714	99 -	3	716	239	952
UN55806	Rsa1.0_01538.1	659	43733	1.00E-108	287	317	90 -	151	456	29189	29504
UN55807	Rsa1.0_21659.1	372	1184	2.00E-49	114	116	98 +	243	357	621	735

UN55808	Rsa1.0_00037.1	707	307838	0	686	720	95 +	1	707	186263	186977
UN55809	#	#	#	#	#	#	#	#	#	#	
UN55810	Rsa1.0_43521.1	274	516	7.00E-58	160	169	94 -	3	171	119	281
UN55811	Rsa1.0_67579.1	177	339	2.00E-85	163	164	99 -	8	171	151	314
UN55812	Rsa1.0_01292.1	119	175783	6.00E-13	52	54	96 -	62	115	148843	148894
UN55813	Rsa1.0_01457.1	291	45337	3.00E-60	172	184	93 -	112	291	6416	6596
UN55814	Rsa1.0_02400.1	373	31750	1.00E-143	359	377	95 +	1	373	9828	10191
UN55815	Rsa1.0_42967.1	184	523	8.00E-29	135	149	90 -	16	164	108	249
UN55816	Rsa1.0_02358.1	155	32213	3.00E-49	125	130	96 -	26	155	7433	7558
UN55817	Rsa1.0_01947.1	668	36977	1.00E-164	321	325	98 +	342	662	11580	11904
UN55818	Rsa1.0_01196.1	511	51097	3.00E-92	192	196	97 -	170	365	11006	11199
UN55819	Rsa1.0_05748.1	103	12749	3.00E-30	88	91	96 +	13	103	10843	10930
UN55820	Rsa1.0_01985.1	118	36491	9.00E-43	107	111	96 -	1	111	1827	1934
UN55821	Rsa1.0_03193.1	455	24690	1.00E-131	260	266	97 +	5	270	17972	18236
UN55822	Rsa1.0_04288.1	300	18077	2.00E-70	163	167	97 -	82	248	9680	9842
UN55823	Rsa1.0_10890.1	514	5688	0	508	514	98 +	1	514	2581	3091
UN55824	Rsa1.0_48591.1	748	466	1.00E-121	230	233	98 +	2	234	93	325
UN55825	Rsa1.0_02255.1	820	148935	0	444	451	98 -	315	765	25911	26360
UN55826	Rsa1.0_00032.1	814	306326	0	446	463	96 -	79	541	266644	267106
UN55827	Rsa1.0_00533.1	219	77375	6.00E-30	87	91	95 -	129	219	36954	37042
UN55828	Rsa1.0_00308.1	680	96915	1.00E-172	331	337	98 +	331	664	81326	81662
UN55829	Rsa1.0_00750.1	879	190548	0	861	863	99 +	1	861	16405	17267
UN55830	Rsa1.0_00245.1	142	103569	4.00E-33	130	139	93 -	4	142	55250	55379
UN55831	Rsa1.0_00062.1	819	299291	0	405	427	94 +	2	426	268196	268622
UN55832	Rsa1.0_08532.1	160	7228	8.00E-81	158	160	98 +	1	160	2204	2363
UN55833	Rsa1.0_00709.1	833	67329	0	714	741	96 -	3	740	65873	66608
UN55834	Rsa1.0_01758.1	128	39747	1.00E-54	125	128	97 +	1	128	4712	4837
UN55835	Rsa1.0_04925.1	796	15424	0	593	610	97 -	189	796	1234	1843
UN55836	Rsa1.0_00486.1	476	80875	0	467	477	97 +	1	476	7445	7920
UN55837	Rsa1.0_00429.1	249	85559	3.00E-41	209	244	85 -	5	248	44092	44328
UN55838	Rsa1.0_04103.1	203	19048	1.00E-77	193	203	95 +	1	203	9954	10152
UN55839	Rsa1.0_02548.1	296	30228	2.00E-43	100	102	98 +	195	296	9298	9398
UN55840	Rsa1.0_02742.1	139	28284	1.00E-42	121	131	92 +	6	136	9740	9863
UN55841	Rsa1.0_01036.1	366	55978	4.00E-57	173	185	93 -	101	285	12738	12916
UN55842	Rsa1.0_03278.1	358	24125	1.00E-35	101	105	96 -	149	253	2860	2961
UN55843	Rsa1.0_01580.1	231	42852	5.00E-52	131	136	96 +	92	227	30603	30735
UN55844	Rsa1.0_01997.1	182	158416	8.00E-32	82	86	95 -	1	86	9636	9721
UN55845	Rsa1.0_00698.1	150	67816	1.00E-11	46	48	95 +	100	146	48448	48495
UN55846	Rsa1.0_03728.1	685	21147	6.00E-85	167	168	99 +	489	655	13590	13757

UN55847	Rsa1.0.00569.1	311	75060	1.00E-132	285	298	95 -	1	298	42726	43021
UN55848	Rsa1.0.01286.1	164	49209	7.00E-26	95	100	95 -	1	100	40864	40958
UN55849	Rsa1.0.00253.1	795	231292	0	386	395	97 -	104	498	13488	13881
UN55850	Rsa1.0.00179.1	596	393324	2.00E-26	65	66	98 -	267	332	297879	297944
UN55851	Rsa1.0.02105.1	751	156953	0	408	430	94 +	4	433	150746	151167
UN55852	Rsa1.0.00644.1	440	136881	1.00E-128	270	284	95 +	171	440	31373	31656
UN55853	Rsa1.0.44890.1	846	502	2.00E-88	181	185	97 -	223	405	317	501
UN55854	Rsa1.0.00297.1	344	97836	1.00E-169	332	342	97 -	1	339	86158	86499
UN55855	Rsa1.0.18748.1	323	1541	1.00E-96	179	179	100 -	4	182	731	909
UN55856	Rsa1.0.07865.1	607	8400	1.00E-116	221	224	98 -	167	390	6448	6671
UN55857	Rsa1.0.00094.1	781	139042	2.00E-97	199	205	97 +	126	330	118743	118947
UN55858	#	#	#	#	#	#	#	#	#	#	#
UN55859	Rsa1.0.00326.1	677	171955	0	441	456	96 -	3	455	22464	22915
UN55860	Rsa1.0.05491.1	882	13554	0	367	369	99 -	60	428	9307	9675
UN55861	Rsa1.0.00082.1	680	237584	0	445	466	95 +	221	677	105997	106461
UN55862	Rsa1.0.00047.1	609	168582	4.00E-21	89	101	88 +	155	255	49609	49709
UN55863	Rsa1.0.00923.1	671	153678	0	626	657	95 +	1	651	45804	46459
UN55864	Rsa1.0.04515.1	581	17021	0	570	580	98 +	2	581	1423	2002
UN55865	Rsa1.0.00286.1	344	98709	5.00E-47	99	100	99 -	239	338	27808	27907
UN55866	Rsa1.0.00116.1	639	365886	2.00E-87	193	204	94 -	95	298	191190	191384
UN55867	Rsa1.0.00293.1	639	339294	0	340	341	99 +	2	342	88061	88401
UN55868	Rsa1.0.01545.1	547	43599	0	534	554	96 -	3	547	32617	33170
UN55869	Rsa1.0.01092.1	724	54348	0	701	723	96 +	3	724	11929	12651
UN55870	Rsa1.0.13987.1	377	3954	0	334	334	100 -	44	377	1702	2035
UN55871	Rsa1.0.04282.1	733	18100	0	413	424	97 +	315	733	7541	7964
UN55872	Rsa1.0.00214.1	673	107508	1.00E-132	273	284	96 -	6	289	31884	32167
UN55873	Rsa1.0.00152.1	596	257730	3.00E-86	200	212	94 +	109	320	200315	200523
UN55874	Rsa1.0.03005.1	590	26082	1.00E-102	233	250	93 +	2	251	15071	15308
UN55875	Rsa1.0.05790.1	608	12618	2.33E-156	327	347	94 +	111	456	3671	4017
UN55876	Rsa1.0.00881.1	739	61260	0	427	454	94 +	285	738	18614	19067
UN55877	Rsa1.0.01009.1	612	56922	1.00E-156	279	279	100 -	334	612	29245	29523
UN55878	Rsa1.0.00621.1	849	71840	0	464	467	99 +	3	469	24855	25321
UN55879	Rsa1.0.53123.1	468	429	1.00E-97	203	209	97 +	260	468	1	208
UN55880	Rsa1.0.74354.1	615	308	3.00E-68	145	148	97 -	398	545	6	152
UN55881	Rsa1.0.02915.1	850	26813	0	742	754	98 -	102	850	8631	9383
UN55882	Rsa1.0.00100.1	677	249232	0	490	495	98 -	183	677	181636	182130
UN55883	Rsa1.0.06673.1	640	10562	7.00E-94	182	183	99 +	3	184	502	684
UN55884	Rsa1.0.07542.1	609	9160	1.00E-101	200	204	98 -	113	316	8375	8578
UN55885	Rsa1.0.07930.1	318	8239	2.00E-55	216	246	87 +	56	290	79	321

UN55886	Rsa1.0_00290.1	748	225096	0	626	629	99 -	121	748	14793	15421
UN55887	Rsa1.0_03839.1	427	20525	2.33E-156	286	291	98 +	139	427	60	350
UN55888	Rsa1.0_00007.1	729	239325	1.00E-135	278	288	96 -	1	287	16013	16300
UN55889	Rsa1.0_01565.1	745	155447	1.00E-129	501	580	86 -	3	566	35927	36487
UN55890	Rsa1.0_02969.1	635	26390	0	459	462	99 -	7	468	8912	9373
UN55891	Rsa1.0_00277.1	298	100132	1.00E-165	297	298	99 -	1	298	10546	10843
UN55892	Rsa1.0_00789.1	694	64233	1.00E-98	227	239	94 -	4	242	44999	45230
UN55893	Rsa1.0_00733.1	147	66583	2.00E-35	97	100	97 +	12	108	58923	59022
UN55894	Rsa1.0_06931.1	714	10145	1.00E-137	353	387	91 +	3	386	9569	9936
UN55895	Rsa1.0_01442.1	753	45776	1.00E-114	268	286	93 +	54	333	20988	21273
UN55896	Rsa1.0_00218.1	599	201480	0	527	553	95 -	47	599	46599	47145
UN55897	Rsa1.0_00052.1	736	162771	0	611	621	98 +	112	729	81968	82588
UN55898	Rsa1.0_00358.1	404	91293	1.00E-109	232	244	95 +	161	404	74541	74774
UN55899	Rsa1.0_02247.1	608	33427	1.00E-126	298	317	94 -	298	608	8493	8807
UN55900	Rsa1.0_02248.1	780	33414	0	415	417	99 +	126	542	22949	23365
UN55901	Rsa1.0_00381.1	761	89718	1.00E-158	317	323	98 -	429	747	56276	56598
UN55902	Rsa1.0_00047.1	673	168582	1.00E-178	369	383	96 +	4	383	29444	29824
UN55903	Rsa1.0_02043.1	664	163754	1.00E-113	231	238	97 +	3	237	144972	145209
UN55904	Rsa1.0_01104.1	735	285480	1.00E-166	299	300	99 -	1	300	158743	159042
UN55905	Rsa1.0_00539.1	538	76926	1.00E-106	220	228	96 +	147	374	27886	28113
UN55906	Rsa1.0_03855.1	681	20429	1.00E-107	207	209	99 +	246	454	13620	13827
UN55907	Rsa1.0_01170.1	637	161131	1.00E-152	293	299	97 -	339	637	114490	114785
UN55908	Rsa1.0_01115.1	685	183545	0	461	483	95 +	3	479	1262	1743
UN55909	Rsa1.0_00093.1	540	214962	2.00E-99	228	240	95 +	14	253	12721	12958
UN55910	Rsa1.0_00360.1	703	91190	3.00E-84	168	171	98 +	272	442	46323	46493
UN55911	Rsa1.0_00025.1	706	277312	0	700	713	98 +	2	706	129703	130415
UN55912	Rsa1.0_00481.1	805	81316	0	434	436	99 +	2	437	41170	41605
UN55913	Rsa1.0_00398.1	404	88007	1.00E-124	253	260	97 -	148	404	1666	1925
UN55914	Rsa1.0_01016.1	580	181422	2.00E-90	282	322	87 -	52	373	44377	44671
UN55915	Rsa1.0_03244.1	553	24413	1.00E-100	238	255	93 -	6	252	23790	24044
UN55916	Rsa1.0_00368.1	681	90669	1.00E-119	257	269	95 -	152	417	6728	6993
UN55917	Rsa1.0_00609.1	778	72785	1.00E-137	263	268	98 +	3	270	51762	52029
UN55918	Rsa1.0_01472.1	683	45099	1.00E-131	238	238	100 -	210	447	24438	24675
UN55919	Rsa1.0_00639.1	634	165873	0	616	633	97 +	3	634	106131	106758
UN55920	Rsa1.0_00001.1	710	363028	0	688	700	98 -	3	697	37752	38451
UN55921	Rsa1.0_01747.1	793	39881	1.00E-170	348	355	98 -	445	793	23589	23943
UN55922	Rsa1.0_00501.1	752	79545	1.00E-162	302	306	98 +	197	502	67885	68190
UN55923	Rsa1.0_01857.1	159	38103	5.00E-76	153	156	98 -	3	158	12994	13149
UN55924	Rsa1.0_01701.1	795	162121	0	572	584	97 +	4	587	19379	19962

UN55925	Rsa1.0.00394.1	642	148426	2.00E-94	209	220	95 -	3	222	107239	107458
UN55926	Rsa1.0.48315.1	585	469	1.00E-179	351	362	96 -	2	363	61	422
UN55927	Rsa1.0.07468.1	412	9316	1.00E-163	342	359	95 +	55	403	8494	8852
UN55928	Rsa1.0.27283.1	740	859	3.00E-81	157	158	99 -	195	352	148	305
UN55929	Rsa1.0.00152.1	776	257730	1.00E-169	447	499	89 -	196	681	76288	76774
UN55930	Rsa1.0.00017.1	721	752458	0	566	569	99 +	87	655	33515	34083
UN55931	Rsa1.0.00380.1	393	89748	1.00E-112	225	231	97 +	163	393	84350	84576
UN55932	Rsa1.0.00016.1	769	831256	3.00E-65	160	171	93 +	424	594	663022	663192
UN55933	Rsa1.0.00105.1	422	134138	3.00E-70	153	159	96 +	260	418	69332	69490
UN55934	Rsa1.0.00579.1	425	148308	1.00E-165	360	381	94 -	53	425	66639	67019
UN55935	Rsa1.0.06035.1	660	11874	4.00E-12	47	50	94 -	147	196	7218	7267
UN55936	Rsa1.0.01242.1	590	50066	1.00E-116	216	217	99 +	279	495	17101	17317
UN55937	Rsa1.0.00157.1	729	245832	0	705	725	97 +	3	722	215899	216623
UN55938	Rsa1.0.04352.1	489	17779	1.00E-139	254	255	99 +	87	341	12118	12372
UN55939	Rsa1.0.09302.1	646	6470	1.00E-136	246	246	100 +	3	248	374	619
UN55940	Rsa1.0.00632.1	693	183777	0	680	693	98 -	2	693	41031	41721
UN55941	Rsa1.0.00408.1	645	176752	1.00E-173	314	316	99 +	289	604	30985	31300
UN55942	Rsa1.0.00002.1	772	601661	9.00E-69	133	133	100 -	115	247	95714	95846
UN55943	Rsa1.0.00608.1	470	172672	3.00E-89	232	248	93 +	192	431	3709	3956
UN55944	Rsa1.0.03809.1	665	20731	0	589	606	97 +	2	606	2014	2619
UN55945	Rsa1.0.28445.1	747	815	1.00E-180	344	351	98 +	383	732	389	739
UN55946	Rsa1.0.04911.1	697	15483	1.00E-144	273	276	98 -	394	668	8462	8737
UN55947	Rsa1.0.00871.1	746	61539	0	678	702	96 +	13	708	8146	8838
UN55948	Rsa1.0.00386.1	170	89134	6.00E-91	169	169	100 +	2	170	26450	26618
UN55949	Rsa1.0.50795.1	622	447	1.00E-106	196	196	100 -	427	622	252	447
UN55950	Rsa1.0.00419.1	797	86562	2.00E-88	199	206	96 -	533	735	20811	21016
UN55951	Rsa1.0.59920.1	729	382	1.00E-176	332	336	98 -	316	649	48	382
UN55952	Rsa1.0.02861.1	791	27188	1.00E-125	374	422	88 +	3	422	18988	19398
UN55953	Rsa1.0.00983.1	673	57586	0	659	672	98 +	2	673	10700	11371
UN55954	Rsa1.0.00363.1	458	90968	1.00E-119	225	226	99 -	233	458	73725	73949
UN55955	Rsa1.0.00782.1	684	64468	1.00E-100	207	214	96 -	334	547	20391	20604
UN55956	Rsa1.0.06647.1	722	10604	0	527	557	94 +	2	542	5668	6224
UN55957	Rsa1.0.04967.1	565	15303	6.00E-23	103	118	87 -	382	499	11537	11651
UN55958	Rsa1.0.00310.1	684	96852	3.00E-16	75	85	88 +	399	483	80765	80849
UN55959	Rsa1.0.00078.1	780	175053	0	672	678	99 +	37	713	111911	112588
UN55960	Rsa1.0.17489.1	720	1816	0	437	446	97 +	264	705	630	1075
UN55961	Rsa1.0.42837.1	770	524	2.00E-51	144	156	92 -	394	548	357	512
UN55962	Rsa1.0.00928.1	625	59293	0	518	542	95 -	85	625	24272	24813
UN55963	Rsa1.0.01021.1	617	56610	0	610	617	98 -	1	617	39798	40413

UN55964	Rsa1.0.00876.1	783	61328	1.00E-179	330	334	98 +	249	582	40232	40565
UN55965	Rsa1.0.01220.1	727	161775	1.00E-153	286	290	98 +	2	291	22560	22849
UN55966	Rsa1.0.03100.1	577	25411	1.00E-134	267	275	97 -	231	505	3045	3319
UN55967	Rsa1.0.00790.1	806	148693	1.00E-144	307	321	95 +	3	319	19377	19691
UN55968	Rsa1.0.01260.1	595	49750	1.00E-149	307	320	95 +	276	595	28228	28547
UN55969	Rsa1.0.16978.1	539	1964	1.00E-122	232	235	98 +	299	533	1215	1449
UN55970	Rsa1.0.02266.1	792	33195	1.00E-114	235	242	97 +	263	503	13176	13417
UN55971	Rsa1.0.35196.1	737	643	6.00E-42	181	210	86 +	272	481	215	420
UN55972	Rsa1.0.06653.1	729	10596	1.00E-138	289	300	96 +	350	648	1659	1955
UN55973	Rsa1.0.00477.1	508	81556	1.00E-118	310	340	91 -	172	508	52650	52976
UN55974	Rsa1.0.01069.1	472	55113	0	436	438	99 -	35	472	12909	13346
UN55975	Rsa1.0.00478.1	627	81419	0	512	523	97 -	2	522	56378	56896
UN55976	Rsa1.0.01650.1	644	41589	0	546	601	90 +	3	601	27288	27881
UN55977	Rsa1.0.00902.1	617	60241	0	603	617	97 +	1	617	26406	27022
UN55978	Rsa1.0.02452.1	151	31280	9.00E-59	121	123	98 +	1	123	10761	10883
UN55979	Rsa1.0.01299.1	780	162028	1.00E-77	161	164	98 +	2	164	157184	157347
UN55980	Rsa1.0.05410.1	678	13840	4.00E-15	64	71	90 -	193	263	1209	1279
UN55981	Rsa1.0.00515.1	687	78417	0	361	368	98 +	320	687	54657	55024
UN55982	Rsa1.0.07999.1	816	8102	0	552	564	97 +	3	566	7419	7982
UN55983	Rsa1.0.00028.1	677	293984	0	652	687	94 +	4	677	257639	258319
UN55984	Rsa1.0.01005.1	656	56967	1.00E-121	247	256	96 -	353	608	19299	19554
UN55985	Rsa1.0.10939.1	694	5670	0	371	371	100 -	3	373	1902	2272
UN55986	Rsa1.0.04571.1	736	16792	0	496	515	96 -	224	730	10545	11054
UN55987	Rsa1.0.02162.1	780	34431	0	775	787	98 -	1	776	28721	29507
UN55988	Rsa1.0.00131.1	769	432233	4.00E-80	164	168	97 +	280	447	10362	10529
UN55989	Rsa1.0.03122.1	682	25207	1.00E-133	289	305	94 -	270	574	11322	11626
UN55990	Rsa1.0.06190.1	806	11525	1.00E-174	335	340	98 +	376	713	9474	9810
UN55991	Rsa1.0.02365.1	768	32118	0	697	776	89 -	3	768	30153	30883
UN55992	Rsa1.0.00022.1	794	200461	0	530	553	95 -	1	553	80130	80682
UN55993	Rsa1.0.07440.1	767	9389	0	674	700	96 +	5	701	4396	5095
UN55994	Rsa1.0.01550.1	719	43443	2.00E-94	176	176	100 -	2	177	17415	17590
UN55995	Rsa1.0.00168.1	625	115870	0	592	625	94 +	1	625	93395	94001
UN55996	Rsa1.0.04189.1	750	18584	0	408	420	97 +	336	747	10771	11190
UN55997	Rsa1.0.00108.1	733	478491	0	482	494	97 +	3	487	416398	416891
UN55998	Rsa1.0.19426.1	754	1434	0	612	686	89 +	8	691	381	1058
UN55999	Rsa1.0.00524.1	738	169613	1.00E-106	205	208	98 -	352	559	133897	134104
UN56000	Rsa1.0.00163.1	317	116847	2.00E-80	179	188	95 +	2	189	70399	70586
UN56001	Rsa1.0.32085.1	739	710	0	544	554	98 -	83	635	156	707
UN56002	Rsa1.0.00799.1	789	63918	1.00E-149	268	268	100 +	3	270	18668	18935

UN56003	Rsa1.0.01112.1	586	310601	1.00E-159	302	308	98 +	279	586	45495	45802
UN56004	Rsa1.0.03826.1	743	20614	1.00E-116	247	256	96 +	3	257	13359	13607
UN56005	Rsa1.0.00151.1	803	119541	0	535	541	98 -	183	719	47530	48070
UN56006	Rsa1.0.03100.1	687	25411	0	400	412	97 +	50	460	17252	17663
UN56007	Rsa1.0.00123.1	757	325650	1.00E-134	242	242	100 -	332	573	91636	91877
UN56008	Rsa1.0.00138.1	639	247040	1.00E-155	310	321	96 -	62	382	64744	65064
UN56009	Rsa1.0.00015.1	750	561803	1.00E-161	311	318	97 +	272	589	445991	446305
UN56010	Rsa1.0.00471.1	267	81897	1.00E-124	229	230	99 +	38	267	26770	26999
UN56011	Rsa1.0.00583.1	768	74309	0	431	457	94 +	293	730	2732	3187
UN56012	Rsa1.0.00967.1	585	58049	0	504	506	99 -	75	580	7714	8217
UN56013	Rsa1.0.00292.1	756	98141	2.00E-79	227	245	92 +	487	727	6664	6904
UN56014	Rsa1.0.22290.1	682	1133	0	535	549	97 -	135	682	239	786
UN56015	Rsa1.0.02601.1	743	29654	0	427	441	96 +	32	472	3968	4408
UN56016	Rsa1.0.00720.1	686	66931	0	324	325	99 +	3	327	31878	32202
UN56017	Rsa1.0.00092.1	645	659932	0	595	636	93 +	10	645	334744	335370
UN56018	Rsa1.0.01070.1	758	55099	1.00E-43	91	91	100 -	518	608	32444	32534
UN56019	Rsa1.0.02675.1	480	28852	0	357	369	96 +	1	369	11021	11389
UN56020	Rsa1.0.00417.1	485	395068	1.00E-149	332	355	93 -	134	485	387292	387634
UN56021	Rsa1.0.02681.1	806	28711	1.00E-37	250	305	81 +	403	706	3147	3451
UN56022	Rsa1.0.00469.1	271	82084	6.00E-55	118	121	97 -	96	216	46066	46186
UN56023	Rsa1.0.00846.1	220	62342	1.00E-111	216	220	98 -	1	220	32968	33187
UN56024	Rsa1.0.10663.1	543	5765	0	530	542	97 -	4	543	4958	5499
UN56025	Rsa1.0.00058.1	497	159921	4.00E-79	156	158	98 +	3	160	91209	91366
UN56026	Rsa1.0.01061.1	633	55349	5.00E-73	212	236	89 -	233	468	22509	22744
UN56027	Rsa1.0.05278.1	580	14282	0	403	420	95 -	174	580	9061	9480
UN56028	Rsa1.0.00006.1	691	396176	5.00E-64	143	149	95 -	178	326	305430	305578
UN56029	Rsa1.0.02068.1	666	35432	1.00E-177	360	373	96 +	156	525	7159	7530
UN56030	Rsa1.0.01146.1	542	163455	0	522	535	97 -	1	535	143229	143763
UN56031	Rsa1.0.01327.1	641	48033	0	608	638	95 +	5	641	12111	12748
UN56032	Rsa1.0.00050.1	428	237174	6.00E-78	148	148	100 -	97	244	97298	97445
UN56033	Rsa1.0.29040.1	639	794	0	448	448	100 +	2	449	198	645
UN56034	Rsa1.0.00048.1	647	167185	1.00E-131	353	387	91 +	3	377	147921	148303
UN56035	Rsa1.0.00213.1	691	108167	0	631	665	94 +	30	691	6711	7367
UN56036	Rsa1.0.03178.1	615	24798	1.00E-95	199	205	97 +	255	457	7251	7455
UN56037	Rsa1.0.01719.1	668	40388	0	391	395	98 +	3	393	20724	21118
UN56038	Rsa1.0.03524.1	623	22297	1.00E-128	245	249	98 +	210	458	17219	17467
UN56039	Rsa1.0.01723.1	733	40318	0	480	485	98 +	4	488	26832	27315
UN56040	Rsa1.0.00033.1	639	515811	0	611	641	95 -	2	639	393481	394120
UN56041	Rsa1.0.01867.1	719	37960	0	431	448	96 -	271	715	19616	20063

UN56042	Rsa1.0.02634.1	575	29299	0	362	363	99 -	1	363	18717	19079
UN56043	Rsa1.0.05160.1	673	14637	0	538	562	95 +	125	673	10046	10607
UN56044	Rsa1.0.01151.1	524	52268	0	341	347	98 -	178	524	26295	26641
UN56045	Rsa1.0.00759.1	610	65465	9.00E-87	214	231	92 -	3	233	47411	47641
UN56046	Rsa1.0.01004.1	751	56975	1.00E-151	296	304	97 -	323	626	20064	20367
UN56047	Rsa1.0.00325.1	715	95371	1.00E-100	254	276	92 +	341	616	79215	79487
UN56048	Rsa1.0.05482.1	666	13595	1.00E-147	268	269	99 -	350	618	4648	4916
UN56049	Rsa1.0.12385.1	731	5240	1.00E-113	216	219	98 +	167	385	4649	4867
UN56050	Rsa1.0.03898.1	637	20183	1.00E-137	366	406	90 +	2	392	6971	7375
UN56051	Rsa1.0.03324.1	738	23732	0	378	382	98 +	360	738	474	855
UN56052	Rsa1.0.55343.1	729	413	8.00E-63	123	123	100 -	258	380	124	246
UN56053	Rsa1.0.02686.1	719	28666	0	392	405	96 +	311	712	6729	7133
UN56054	Rsa1.0.00170.1	681	179538	0	575	578	99 -	3	580	142903	143480
UN56055	Rsa1.0.05865.1	726	12377	0	721	725	99 -	2	725	9637	10360
UN56056	Rsa1.0.00827.1	581	62790	0	414	435	95 +	4	438	21834	22268
UN56057	Rsa1.0.00024.1	144	188018	8.00E-16	79	91	86 -	54	144	108565	108655
UN56058	Rsa1.0.00688.1	833	68396	0	556	598	92 -	19	616	37596	38179
UN56059	Rsa1.0.01679.1	302	146876	4.00E-41	104	110	94 +	23	132	135351	135460
UN56060	Rsa1.0.00008.1	103	358124	2.00E-12	52	57	91 -	44	100	225969	226025
UN56061	Rsa1.0.01319.1	465	48273	0	449	468	95 +	1	465	16311	16778
UN56062	Rsa1.0.00004.1	686	253996	0	680	686	99 -	1	686	209153	209838
UN56063	Rsa1.0.04991.1	202	15215	3.00E-53	130	134	97 -	72	202	9425	9558
UN56064	Rsa1.0.00005.1	844	353093	1.00E-126	242	246	98 -	374	619	70408	70653
UN56065	Rsa1.0.00224.1	501	327530	1.00E-88	215	227	94 +	54	277	178415	178637
UN56066	Rsa1.0.03769.1	538	20955	1.00E-127	280	295	94 -	20	314	9840	10133
UN56067	Rsa1.0.00143.1	881	121313	0	868	879	98 -	1	878	47007	47885
UN56068	Rsa1.0.00055.1	514	520193	0	500	516	96 -	1	514	164016	164531
UN56069	Rsa1.0.01420.1	628	46210	1.00E-126	229	229	100 -	384	612	8012	8240
UN56070	Rsa1.0.01170.1	541	161131	2.00E-35	98	105	93 -	309	413	131666	131770
UN56071	Rsa1.0.08498.1	197	7270	1.00E-86	189	196	96 +	4	197	5546	5739
UN56072	Rsa1.0.00964.1	438	316648	1.00E-131	312	337	92 +	1	337	161994	162320
UN56073	Rsa1.0.00329.1	711	222544	0	596	618	96 -	1	614	20375	20990
UN56074	Rsa1.0.00656.1	223	69968	7.00E-45	113	120	94 +	86	205	45749	45868
UN56075	Rsa1.0.02557.1	315	30127	5.00E-90	272	306	88 -	4	305	6193	6484
UN56076	Rsa1.0.00228.1	229	105511	1.00E-86	180	186	96 +	1	186	13360	13545
UN56077	#	#	#	#	#	#	#	#	#	#	#
UN56078	Rsa1.0.05194.1	770	14536	0	387	399	96 -	372	770	12451	12849
UN56079	Rsa1.0.00275.1	352	210104	1.00E-38	85	86	98 -	84	169	157078	157163
UN56080	Rsa1.0.07877.1	847	8373	1.00E-168	316	320	98 -	3	322	1997	2315

UN56081	Rsa1.0.00280.1	443	99966	0	425	443	95 +	1	443	15027	15469
UN56082	Rsa1.0.02096.1	285	35041	1.00E-124	270	285	94 -	1	285	4854	5138
UN56083	Rsa1.0.00959.1	569	58202	0	521	533	97 -	2	533	11839	12370
UN56084	Rsa1.0.00964.1	788	316648	0	776	789	98 -	1	788	292633	293418
UN56085	Rsa1.0.00068.1	519	151813	0	429	461	93 +	59	519	97289	97749
UN56086	Rsa1.0.13906.1	837	4114	1.00E-120	294	321	91 +	223	543	1559	1858
UN56087	Rsa1.0.01778.1	494	39509	1.00E-132	296	311	95 -	3	308	9400	9707
UN56088	#	#	#	#	#	#	#	#	#	#	#
UN56089	Rsa1.0.04142.1	203	18861	1.00E-109	202	203	99 +	1	203	9838	10040
UN56090	Rsa1.0.03759.1	928	20987	0	720	731	98 -	2	732	13856	14583
UN56091	Rsa1.0.01586.1	522	42804	1.00E-155	442	496	89 +	1	494	36683	37178
UN56092	Rsa1.0.02034.1	854	35823	2.00E-23	96	109	88 +	723	831	33957	34065
UN56093	Rsa1.0.03302.1	512	23898	1.00E-124	249	257	96 +	1	257	11743	11999
UN56094	Rsa1.0.00055.1	737	520193	0	492	509	96 -	229	737	198670	199178
UN56095	Rsa1.0.00539.1	548	76926	1.00E-175	353	367	96 +	1	367	57284	57650
UN56096	Rsa1.0.13604.1	644	4657	1.00E-109	213	217	98 +	1	217	2043	2259
UN56097	Rsa1.0.16384.1	526	2170	2.00E-87	167	168	99 -	3	170	507	674
UN56098	Rsa1.0.01606.1	609	42432	0	364	368	98 +	1	368	21903	22270
UN56099	Rsa1.0.03547.1	809	22167	0	688	690	99 +	1	690	10269	10958
UN56100	Rsa1.0.01606.1	637	42432	6.00E-17	105	120	87 -	53	167	35817	35935
UN56101	Rsa1.0.00722.1	629	66840	1.00E-157	301	307	98 +	326	629	15919	16225
UN56102	Rsa1.0.00205.1	409	193401	4.00E-88	177	181	97 +	208	388	14110	14290
UN56103	Rsa1.0.00213.1	113	108167	5.00E-35	84	87	96 +	1	87	15070	15156
UN56104	Rsa1.0.16978.1	537	1964	1.00E-70	207	228	90 -	4	229	1215	1442
UN56105	Rsa1.0.01691.1	290	40921	4.00E-81	227	249	91 +	1	247	15358	15606
UN56106	Rsa1.0.00006.1	441	396176	1.00E-159	312	321	97 +	1	321	303043	303363
UN56107	Rsa1.0.08007.1	338	8087	4.00E-72	138	138	100 +	201	338	6977	7114
UN56108	Rsa1.0.00239.1	361	104332	3.00E-88	171	173	98 +	1	173	103861	104033
UN56109	Rsa1.0.00737.1	535	66432	2.00E-99	247	266	92 -	7	270	25538	25801
UN56110	Rsa1.0.00923.1	272	153678	2.00E-88	248	275	90 -	1	272	45995	46269
UN56111	Rsa1.0.00286.1	203	98709	3.00E-56	139	147	94 +	58	203	27156	27302
UN56112	Rsa1.0.00116.1	264	365886	2.00E-30	74	76	97 +	93	168	189697	189772
UN56113	Rsa1.0.00224.1	108	327530	3.00E-42	102	107	95 -	2	108	195813	195919
UN56114	Rsa1.0.00752.1	181	65756	3.00E-56	126	131	96 -	7	137	32618	32748
UN56115	Rsa1.0.15243.1	533	2733	0	502	531	94 -	1	531	2092	2620
UN56116	Rsa1.0.09343.1	863	6439	1.00E-141	371	409	90 +	1	387	4288	4696
UN56117	#	#	#	#	#	#	#	#	#	#	#
UN56118	Rsa1.0.00502.1	821	204180	1.00E-126	259	269	96 -	348	616	71543	71811
UN56119	Rsa1.0.00920.1	627	601703	1.00E-117	214	214	100 +	1	214	447582	447795

UN56120	Rsa1.0_15639.1	490	2510	0	365	374	97 +	1	374	184	557
UN56121	Rsa1.0_03460.1	633	22747	1.00E-136	270	276	97 -	1	273	5713	5987
UN56122	Rsa1.0_46715.1	656	483	1.00E-125	228	228	100 +	362	589	184	411
UN56123	Rsa1.0_00019.1	550	301669	1.00E-135	361	398	90 -	167	550	114023	114420
UN56124	Rsa1.0_01859.1	634	38073	0	622	631	98 -	4	634	11140	11769
UN56125	Rsa1.0_00052.1	765	162771	0	651	708	91 -	70	765	122698	123393
UN56126	Rsa1.0_02930.1	528	26668	0	449	454	98 +	2	454	1699	2152
UN56127	Rsa1.0_00097.1	125	138858	3.00E-33	112	124	90 -	1	124	92534	92656
UN56128	Rsa1.0_02224.1	776	33758	1.00E-123	252	259	97 +	3	259	26765	27022
UN56129	Rsa1.0_01000.1	746	57140	0	745	746	99 +	1	746	53347	54092
UN56130	Rsa1.0_01388.1	799	46741	3.00E-78	152	153	99 -	361	513	22025	22177
UN56131	Rsa1.0_01053.1	648	55483	0	644	648	99 +	1	648	39245	39892
UN56132	Rsa1.0_01638.1	943	41857	1.00E-170	331	339	97 -	406	743	36262	36600
UN56133	Rsa1.0_17382.1	477	1845	2.00E-81	169	174	97 +	7	180	1593	1766
UN56134	Rsa1.0_02213.1	789	33824	0	475	476	99 +	1	476	28386	28861
UN56135	Rsa1.0_03469.1	347	22681	1.00E-129	310	335	92 -	1	335	11412	11743
UN56136	Rsa1.0_05805.1	843	12585	0	834	836	99 +	1	836	181	1016
UN56137	Rsa1.0_01092.1	668	54348	0	648	668	97 -	1	668	13223	13889
UN56138	Rsa1.0_03005.1	792	26082	2.33E-156	269	271	99 -	1	271	19087	19357
UN56139	Rsa1.0_00130.1	176	125737	3.00E-34	83	86	96 +	91	176	38687	38772
UN56140	Rsa1.0_01110.1	842	195852	1.00E-127	260	267	97 +	10	276	173590	173854
UN56141	Rsa1.0_01252.1	769	49847	0	340	344	98 +	1	344	38178	38521
UN56142	Rsa1.0_04630.1	531	16595	1.00E-173	357	371	96 +	1	369	14525	14895
UN56143	Rsa1.0_04288.1	862	18077	0	507	511	99 +	3	513	6604	7114
UN56144	Rsa1.0_31312.1	203	730	2.00E-60	136	141	96 -	1	141	151	289
UN56145	Rsa1.0_00288.1	897	98659	0	348	351	99 -	1	350	52520	52869
UN56146	Rsa1.0_00213.1	602	108167	0	451	480	93 -	8	478	11292	11769
UN56147	Rsa1.0_01456.1	188	45372	2.00E-48	113	118	95 +	71	188	27459	27576
UN56148	Rsa1.0_00066.1	784	152418	1.00E-128	247	252	98 +	369	620	106778	107029
UN56149	Rsa1.0_00750.1	787	190548	0	774	789	98 -	1	787	18058	18844
UN56150	Rsa1.0_00062.1	477	299291	0	464	472	98 -	3	474	269117	269588
UN56151	Rsa1.0_00709.1	548	67329	0	525	540	97 +	9	548	64594	65133
UN56152	Rsa1.0_00207.1	540	248736	0	520	537	96 +	1	537	194311	194847
UN56153	Rsa1.0_00287.1	567	98687	1.00E-70	222	253	87 +	1	237	12837	13088
UN56154	Rsa1.0_01337.1	185	47829	9.00E-75	176	186	94 +	1	185	40145	40330
UN56155	Rsa1.0_04925.1	764	15424	0	579	598	96 +	168	764	456	1053
UN56156	Rsa1.0_03263.1	921	24268	0	889	926	96 +	1	921	21907	22829
UN56157	Rsa1.0_00881.1	530	61260	1.00E-103	275	299	91 -	1	287	20053	20350
UN56158	Rsa1.0_03178.1	160	24798	2.00E-60	133	138	96 -	19	156	16509	16646

UN56159	Rsa1.0.00078.1	451	175053	0	409	413	99 -	1	413	52479	52890
UN56160	Rsa1.0.01219.1	624	50527	1.00E-148	305	318	95 -	166	483	25973	26290
UN56161	Rsa1.0.22803.1	411	1093	1.00E-108	208	211	98 +	1	211	258	468
UN56162	Rsa1.0.69052.1	170	332	4.00E-64	154	164	93 +	7	170	16	179
UN56163	Rsa1.0.02915.1	600	26813	0	597	607	98 +	1	600	7821	8427
UN56164	Rsa1.0.01280.1	126	49321	2.00E-53	121	126	96 -	1	126	29724	29849
UN56165	Rsa1.0.05595.1	457	13228	1.00E-154	328	343	95 +	1	343	3249	3588
UN56166	Rsa1.0.00387.1	655	495407	0	582	590	98 -	2	588	17196	17785
UN56167	Rsa1.0.00065.1	679	454616	1.00E-155	296	302	98 +	300	601	231797	232098
UN56168	Rsa1.0.00966.1	891	58136	0	430	440	97 +	1	440	7779	8218
UN56169	Rsa1.0.03618.1	753	21744	1.00E-165	345	362	95 -	1	362	967	1328
UN56170	Rsa1.0.01046.1	654	152989	0	412	416	99 -	1	415	139680	140095
UN56171	Rsa1.0.04286.1	145	18084	1.00E-48	139	149	93 -	1	145	2253	2401
UN56172	Rsa1.0.00352.1	802	92266	0	728	737	98 +	66	802	31653	32389
UN56173	Rsa1.0.00381.1	563	89718	1.00E-148	278	282	98 -	280	561	63833	64114
UN56174	Rsa1.0.03728.1	688	21147	1.00E-111	213	216	98 -	338	553	14130	14345
UN56175	Rsa1.0.00554.1	781	150953	0	615	672	91 -	120	780	148059	148726
UN56176	Rsa1.0.02096.1	278	35041	1.00E-147	273	276	98 +	1	276	16496	16771
UN56177	Rsa1.0.00297.1	741	97836	0	738	741	99 +	1	741	84698	85438
UN56178	Rsa1.0.00202.1	394	185895	4.00E-97	207	216	95 -	179	394	11698	11913
UN56179	Rsa1.0.06253.1	844	11385	2.00E-64	126	126	100 +	262	387	10879	11004
UN56180	Rsa1.0.07542.1	715	9160	0	396	402	98 +	314	715	6682	7082
UN56181	Rsa1.0.01041.1	217	55910	5.00E-58	134	138	97 +	31	168	26870	27005
UN56182	Rsa1.0.04396.1	141	17561	2.00E-44	124	135	91 -	4	138	17424	17558
UN56183	Rsa1.0.01327.1	822	48033	0	788	820	96 -	4	822	13205	14022
UN56184	Rsa1.0.75322.1	124	304	6.00E-50	118	124	95 +	1	124	96	219
UN56185	Rsa1.0.00823.1	502	62889	1.00E-162	305	310	98 +	193	502	45308	45617
UN56186	Rsa1.0.00048.1	677	167185	7.00E-54	120	124	96 -	554	677	149947	150070
UN56187	Rsa1.0.02144.1	747	34630	1.00E-128	251	257	97 +	253	509	20521	20777
UN56188	Rsa1.0.55032.1	748	415	1.00E-171	347	360	96 +	1	359	56	415
UN56189	Rsa1.0.05823.1	129	12521	1.00E-51	121	127	95 +	3	129	7220	7346
UN56190	Rsa1.0.06168.1	742	11580	1.00E-129	259	266	97 -	209	474	8500	8764
UN56191	Rsa1.0.00234.1	603	197060	0	583	605	96 -	1	603	56750	57354
UN56192	Rsa1.0.01867.1	170	37960	2.00E-26	70	73	95 +	64	136	18769	18841
UN56193	Rsa1.0.05160.1	316	14637	1.00E-90	191	197	96 -	6	201	11614	11810
UN56194	Rsa1.0.00090.1	742	273859	0	682	715	95 -	10	721	232436	233136
UN56195	Rsa1.0.01004.1	660	56975	0	538	590	91 +	20	599	18969	19547
UN56196	Rsa1.0.03898.1	654	20183	0	596	631	94 -	3	633	8350	8978
UN56197	Rsa1.0.00653.1	652	70029	1.00E-137	297	312	95 -	1	311	41467	41774

UN56198	Rsa1.0.00769.1	149	64911	1.00E-17	97	112	86 -	42	149	12349	12460
UN56199	Rsa1.0.76581.1	798	300	1.00E-160	295	298	98 -	16	313	3	300
UN56200	Rsa1.0.00290.1	565	225096	1.00E-135	297	312	95 -	34	342	190482	190793
UN56201	Rsa1.0.04571.1	161	16792	4.00E-55	145	157	92 +	1	157	10598	10754
UN56202	Rsa1.0.03721.1	821	21185	1.00E-123	224	224	100 +	1	224	20923	21146
UN56203	Rsa1.0.02239.1	520	33534	5.00E-85	208	222	93 -	40	257	28204	28425
UN56204	Rsa1.0.05865.1	633	12377	0	630	633	99 +	1	633	8490	9122
UN56205	Rsa1.0.00292.1	399	98141	3.00E-70	239	269	88 -	1	267	6664	6928
UN56206	Rsa1.0.00066.1	313	152418	1.00E-96	276	307	89 -	8	313	112364	112670
UN56207	Rsa1.0.00022.1	795	200461	0	508	523	97 +	267	788	79511	80033
UN56208	Rsa1.0.00539.1	740	76926	1.00E-134	285	297	95 -	4	300	28381	28673
UN56209	Rsa1.0.07440.1	360	9389	1.00E-148	320	334	95 -	29	360	5007	5339
UN56210	Rsa1.0.00025.1	887	277312	0	601	622	96 +	97	716	17843	18461
UN56211	Rsa1.0.00168.1	795	115870	0	753	807	93 -	2	786	94341	95137
UN56212	Rsa1.0.04189.1	830	18584	0	438	446	98 -	1	446	11571	12016
UN56213	Rsa1.0.01958.1	459	261128	1.00E-174	435	475	91 +	2	459	119242	119713
UN56214	Rsa1.0.04418.1	745	17434	1.00E-74	146	147	99 -	228	374	13307	13453
UN56215	Rsa1.0.01596.1	858	42595	1.00E-121	227	229	99 -	1	229	40410	40638
UN56216	Rsa1.0.00557.1	461	75865	1.00E-124	313	342	91 -	10	351	69508	69849
UN56217	Rsa1.0.03244.1	562	24413	1.00E-103	202	206	98 +	319	524	22141	22346
UN56218	Rsa1.0.03100.1	857	25411	0	404	411	98 -	1	410	19134	19544
UN56219	Rsa1.0.00547.1	780	76521	1.00E-141	312	326	95 -	1	321	60981	61301
UN56220	Rsa1.0.00097.1	854	138858	4.00E-59	129	133	96 -	240	372	136170	136302
UN56221	Rsa1.0.07846.1	709	8433	0	556	573	97 -	8	577	4180	4751
UN56222	#	#	#	#	#	#	#	#	#	#	#
UN56223	Rsa1.0.01857.1	343	38103	1.00E-161	329	343	95 +	1	343	12686	13028
UN56224	Rsa1.0.00843.1	626	62411	0	373	386	96 +	1	381	54124	54507
UN56225	Rsa1.0.02473.1	784	31083	2.00E-76	186	198	93 +	1	197	20469	20666
UN56226	Rsa1.0.00017.1	714	752458	0	574	576	99 -	1	576	34731	35306
UN56227	Rsa1.0.00002.1	484	601661	3.00E-83	181	189	95 +	171	359	94315	94503
UN56228	Rsa1.0.00419.1	735	86562	0	400	406	98 +	218	623	20613	21016
UN56229	Rsa1.0.05926.1	696	12220	0	687	696	98 +	1	696	9662	10357
UN56230	Rsa1.0.00055.1	813	520193	1.00E-95	289	324	89 +	214	533	5811	6134
UN56231	Rsa1.0.00876.1	813	61328	0	475	509	93 -	93	593	41244	41750
UN56232	Rsa1.0.00194.1	167	110851	1.00E-51	148	161	91 +	4	164	100117	100273
UN56233	Rsa1.0.01220.1	781	161775	0	434	440	98 -	338	777	24868	25307
UN56234	Rsa1.0.00163.1	238	116847	1.00E-123	232	235	98 +	1	235	49942	50176
UN56235	Rsa1.0.02372.1	130	32053	3.00E-58	126	130	96 +	1	130	28782	28911
UN56236	Rsa1.0.01221.1	602	50421	6.00E-97	297	338	87 -	12	328	49364	49696

UN56237	Rsa1.0.00676.1	737	69166	0	449	450	99 +	2	451	64510	64959
UN56238	Rsa1.0.01206.1	813	50772	0	358	358	100 +	352	709	12349	12706
UN56239	Rsa1.0.05494.1	531	13547	1.00E-165	389	418	93 +	1	411	7684	8101
UN56240	Rsa1.0.00019.1	161	301669	1.00E-82	158	159	99 -	3	161	245809	245967
UN56241	Rsa1.0.15241.1	402	2734	1.00E-123	236	240	98 +	117	356	897	1136
UN56242	Rsa1.0.01934.1	520	37162	1.00E-134	350	382	91 +	6	385	3564	3939
UN56243	Rsa1.0.00273.1	170	326186	1.00E-42	152	170	89 -	3	167	45700	45869
UN56244	Rsa1.0.14100.1	717	3809	1.00E-173	414	446	92 +	3	443	617	1057
UN56245	Rsa1.0.01766.1	835	39617	0	351	356	98 +	201	555	30500	30852
UN56246	Rsa1.0.01377.1	814	46967	3.00E-78	158	161	98 +	302	462	176	336
UN56247	Rsa1.0.05847.1	828	12433	0	685	736	93 +	18	746	4469	5192
UN56248	Rsa1.0.05192.1	858	136195	0	496	499	99 -	1	499	124985	125483
UN56249	Rsa1.0.08630.1	101	7104	1.00E-32	86	91	94 -	1	91	6267	6357
UN56250	Rsa1.0.01600.1	137	42537	2.00E-38	123	137	89 +	1	137	8838	8974
UN56251	Rsa1.0.28106.1	249	827	3.00E-47	166	188	88 -	26	207	619	806
UN56252	Rsa1.0.00710.1	263	67325	4.00E-90	227	244	93 -	13	255	1773	2015
UN56253	Rsa1.0.01104.1	158	285480	2.00E-63	151	159	94 +	1	158	157734	157892
UN56254	Rsa1.0.03855.1	788	20429	1.00E-154	295	301	98 -	42	338	15602	15902
UN56255	Rsa1.0.00954.1	495	189536	1.00E-79	185	195	94 -	9	202	40588	40782
UN56256	Rsa1.0.03037.1	270	25825	1.00E-113	254	270	94 -	1	270	9682	9951
UN56257	Rsa1.0.00093.1	264	214962	7.00E-98	252	275	91 -	2	259	14083	14356
UN56258	Rsa1.0.01997.1	750	158416	2.33E-156	289	297	97 +	2	296	151801	152097
UN56259	Rsa1.0.00025.1	582	277312	0	406	414	98 -	1	413	131335	131748
UN56260	Rsa1.0.00056.1	721	332604	1.00E-120	295	318	92 -	1	314	94692	95009
UN56261	Rsa1.0.08909.1	403	6799	1.00E-63	229	258	88 -	1	250	5387	5640
UN56262	Rsa1.0.10407.1	697	5858	0	346	347	99 -	2	348	769	1115
UN56263	Rsa1.0.00163.1	819	116847	1.00E-138	510	591	86 -	1	566	71817	72394
UN56264	Rsa1.0.00425.1	536	147080	1.00E-147	301	313	96 +	1	313	120225	120537
UN56265	Rsa1.0.00586.1	822	163802	0	484	489	98 -	1	489	146294	146782
UN56266	Rsa1.0.00630.1	190	71281	2.00E-44	103	107	96 -	84	190	60115	60221
UN56267	Rsa1.0.14087.1	789	3821	0	679	688	98 +	1	688	1466	2153
UN56268	Rsa1.0.05271.1	542	14306	0	362	366	98 +	1	365	12107	12472
UN56269	Rsa1.0.02944.1	657	26553	1.00E-175	321	324	99 -	1	324	5275	5598
UN56270	Rsa1.0.03451.1	781	22828	0	727	790	92 -	1	781	8936	9703
UN56271	Rsa1.0.02675.1	258	28852	1.00E-120	248	258	96 -	1	258	12944	13201
UN56272	Rsa1.0.00008.1	771	358124	0	474	513	92 +	181	692	3365	3875
UN56273	Rsa1.0.00959.1	522	58202	0	355	364	97 +	1	359	3594	3957
UN56274	Rsa1.0.00022.1	719	200461	3.00E-31	184	222	82 -	286	507	148113	148334
UN56275	Rsa1.0.00846.1	587	62342	0	575	591	97 +	1	587	31222	31812

UN56276	Rsa1.0.01468.1	134	45146	4.00E-51	126	134	94 +	1	134	33924	34057
UN56277	Rsa1.0.01146.1	668	163455	0	617	666	92 +	5	662	141519	142179
UN56278	Rsa1.0.01801.1	663	39094	1.00E-147	274	276	99 +	2	276	20069	20344
UN56279	Rsa1.0.04061.1	738	19310	0	526	560	93 +	1	547	13117	13675
UN56280	Rsa1.0.00825.1	442	62855	1.00E-106	277	299	92 -	5	299	55424	55717
UN56281	Rsa1.0.00221.1	458	106972	0	439	448	97 -	1	448	23856	24302
UN56282	Rsa1.0.00632.1	758	183777	0	743	760	97 +	1	758	40244	40999
UN56283	Rsa1.0.04295.1	782	18040	9.00E-29	120	136	88 +	365	499	12540	12672
UN56284	Rsa1.0.00078.1	751	175053	0	745	751	99 -	1	751	112966	113716
UN56285	Rsa1.0.01573.1	484	42964	3.00E-92	237	256	92 -	16	269	7912	8167
UN56286	Rsa1.0.00453.1	629	83031	0	402	412	97 -	1	412	19304	19715
UN56287	Rsa1.0.00207.1	754	248736	1.00E-131	381	438	86 -	1	415	89809	90226
UN56288	#	#	#	#	#	#	#	#	#	#	#
UN56289	Rsa1.0.73802.1	616	310	1.00E-135	275	284	96 -	1	283	1	284
UN56290	Rsa1.0.00478.1	666	81419	0	657	672	97 +	1	666	55515	56185
UN56291	Rsa1.0.08419.1	221	7381	3.00E-87	207	219	94 +	3	221	6910	7126
UN56292	Rsa1.0.08080.1	139	137363	4.00E-33	81	84	96 -	13	96	1006	1089
UN56293	Rsa1.0.01081.1	352	499226	5.00E-93	239	261	91 +	1	252	5735	5994
UN56294	Rsa1.0.01146.1	557	163455	5.00E-88	189	196	96 +	132	327	16616	16809
UN56295	Rsa1.0.00013.1	166	292129	1.00E-67	154	162	95 -	5	166	73072	73233
UN56296	Rsa1.0.00044.1	489	271658	5.00E-60	150	158	94 +	2	158	176704	176860
UN56297	Rsa1.0.01625.1	252	42019	4.00E-93	233	252	92 +	1	252	29675	29919
UN56298	Rsa1.0.00036.1	816	176186	1.00E-111	306	334	91 -	13	338	100327	100656
UN56299	Rsa1.0.00492.1	490	80178	1.00E-164	418	459	91 +	6	442	69214	69662
UN56300	Rsa1.0.00194.1	681	110851	0	461	485	95 +	198	681	13143	13619
UN56301	Rsa1.0.02061.1	814	35487	1.00E-135	277	287	96 -	528	814	23370	23648
UN56302	Rsa1.0.02003.1	827	36171	0	489	491	99 +	4	494	27935	28425
UN56303	Rsa1.0.01543.1	548	43645	0	419	425	98 +	126	548	6110	6534
UN56304	Rsa1.0.00347.1	739	93048	0	690	740	93 -	3	739	44901	45610
UN56305	Rsa1.0.05389.1	753	13943	0	725	751	96 +	3	753	7213	7955
UN56306	Rsa1.0.03125.1	655	147978	0	403	423	95 +	242	655	130250	130672
UN56307	Rsa1.0.01053.1	763	55483	1.00E-113	252	265	95 +	202	461	13048	13312
UN56308	Rsa1.0.11802.1	868	5404	1.00E-141	296	309	95 +	276	582	1482	1790
UN56309	Rsa1.0.00594.1	800	73729	0	386	389	99 +	3	391	34509	34896
UN56310	Rsa1.0.00465.1	656	82138	0	548	576	95 +	84	656	21482	22054
UN56311	Rsa1.0.01590.1	504	42719	0	333	334	99 +	171	504	37627	37960
UN56312	Rsa1.0.04407.1	665	17504	1.00E-137	263	268	98 -	1	264	7540	7807
UN56313	Rsa1.0.01898.1	550	37491	0	538	549	97 +	2	550	6257	6805
UN56314	Rsa1.0.04381.1	837	17639	0	455	455	100 -	375	829	12835	13289

UN56315	Rsa1.0.00314.1	835	96472	0	571	609	93 +	212	817	28551	29159
UN56316	Rsa1.0.00211.1	783	228189	1.00E-174	324	326	99 -	368	693	10691	11014
UN56317	Rsa1.0.01003.1	736	56976	3.00E-90	184	189	97 -	147	335	26217	26405
UN56318	Rsa1.0.01382.1	566	46877	1.00E-176	347	360	96 -	217	566	16726	17085
UN56319	Rsa1.0.00048.1	833	167185	1.00E-154	327	343	95 -	491	833	7219	7559
UN56320	Rsa1.0.03238.1	717	24432	0	684	723	94 +	1	717	4471	5186
UN56321	Rsa1.0.00082.1	698	237584	0	664	697	95 +	3	698	461	1157
UN56322	Rsa1.0.00487.1	792	80674	1.00E-156	282	283	99 -	510	792	74654	74936
UN56323	Rsa1.0.01201.1	815	50856	1.00E-168	320	327	97 -	3	329	1	327
UN56324	#	#	#	#	#	#	#	#	#	#	#
UN56325	Rsa1.0.01039.1	873	55946	1.00E-117	245	254	96 +	566	818	49675	49928
UN56326	Rsa1.0.45780.1	831	493	0	371	379	97 +	455	831	1	378
UN56327	Rsa1.0.01016.1	678	181422	0	447	465	96 +	94	558	53528	53991
UN56328	Rsa1.0.00759.1	707	65465	1.00E-100	194	197	98 -	167	363	20709	20905
UN56329	Rsa1.0.15479.1	770	2584	5.00E-95	184	185	99 +	583	766	2400	2584
UN56330	Rsa1.0.00019.1	787	301669	0	540	550	98 -	2	551	110059	110608
UN56331	Rsa1.0.00755.1	869	192559	1.00E-154	323	333	96 +	486	815	168170	168501
UN56332	Rsa1.0.07974.1	701	8147	4.00E-77	147	147	100 -	2	148	7498	7644
UN56333	Rsa1.0.01400.1	859	46560	0	427	429	99 -	3	431	4494	4922
UN56334	Rsa1.0.02559.1	743	30096	5.00E-95	198	205	96 -	123	327	14994	15198
UN56335	Rsa1.0.09168.1	413	6590	1.00E-148	266	266	100 +	148	413	5395	5660
UN56336	Rsa1.0.05665.1	766	13003	0	523	551	94 +	3	553	9456	9991
UN56337	Rsa1.0.01759.1	756	39745	1.00E-111	215	217	99 -	3	218	12411	12627
UN56338	Rsa1.0.00055.1	725	520193	1.00E-168	309	311	99 +	1	310	155384	155694
UN56339	Rsa1.0.00548.1	833	76518	1.00E-120	229	232	98 -	3	234	62227	62458
UN56340	Rsa1.0.00139.1	507	357786	0	356	358	99 -	150	507	129481	129838
UN56341	Rsa1.0.03312.1	431	23841	1.00E-111	236	244	96 +	129	372	1714	1955
UN56342	Rsa1.0.00265.1	568	220635	0	415	430	96 -	141	568	152179	152607
UN56343	Rsa1.0.01196.1	625	51097	1.00E-95	197	202	97 -	424	624	29480	29681
UN56344	Rsa1.0.00221.1	176	106972	1.00E-64	165	172	95 +	1	172	37970	38135
UN56345	Rsa1.0.01452.1	495	45459	0	365	365	100 -	1	365	31900	32264
UN56346	Rsa1.0.04575.1	456	16783	6.00E-44	125	131	95 -	161	291	7343	7469
UN56347	#	#	#	#	#	#	#	#	#	#	#
UN56348	Rsa1.0.04911.1	585	15483	1.00E-125	271	279	97 -	240	516	8462	8737
UN56349	Rsa1.0.01031.1	112	56236	1.00E-20	51	51	100 -	4	54	5786	5836
UN56350	Rsa1.0.01034.1	550	56046	0	526	547	96 +	1	547	19627	20170
UN56351	Rsa1.0.00130.1	670	125737	1.00E-124	259	270	95 -	20	289	113633	113902
UN56352	Rsa1.0.03010.1	535	26054	1.00E-114	244	253	96 -	284	535	20626	20877
UN56353	Rsa1.0.63049.1	693	364	1.00E-95	205	210	97 -	486	693	134	342

UN56354	Rsa1.0_10978.1	415	5657	1.00E-107	258	269	95 -	147	414	812	1074
UN56355	Rsa1.0_00224.1	854	327530	0	811	836	97 +	2	825	227152	227983
UN56356	Rsa1.0_02071.1	870	35409	0	447	452	98 -	2	453	28275	28726
UN56357	Rsa1.0_00867.1	773	61635	0	595	600	99 -	1	599	945	1544
UN56358	Rsa1.0_03521.1	489	396204	1.00E-170	361	378	95 +	115	489	269243	269620
UN56359	Rsa1.0_01597.1	342	42555	0	337	340	99 -	2	341	9511	9849
UN56360	Rsa1.0_15608.1	852	2522	0	803	821	97 -	3	822	562	1382
UN56361	Rsa1.0_01054.1	314	55470	1.00E-128	298	316	94 +	2	314	26100	26410
UN56362	Rsa1.0_00861.1	563	61759	1.00E-133	241	241	100 -	323	563	30359	30599
UN56363	Rsa1.0_03451.1	792	22828	1.00E-128	241	244	98 +	456	699	7997	8240
UN56364	Rsa1.0_03996.1	454	19654	0	453	454	99 -	1	454	8219	8672
UN56365	Rsa1.0_04224.1	866	18402	1.00E-179	322	323	99 +	262	584	303	625
UN56366	Rsa1.0_00543.1	762	76788	1.00E-95	260	283	91 -	2	283	54425	54701
UN56367	Rsa1.0_00188.1	446	112020	3.00E-86	248	277	89 -	38	304	102610	102885
UN56368	Rsa1.0_00097.1	505	138858	0	387	402	96 +	106	505	46836	47231
UN56369	Rsa1.0_01814.1	877	38917	1.00E-162	293	294	99 -	105	398	2673	2966
UN56370	Rsa1.0_01504.1	819	189978	0	781	811	96 +	18	819	149404	150214
UN56371	Rsa1.0_00194.1	668	110851	0	448	471	95 +	198	667	13143	13605
UN56372	Rsa1.0_01220.1	831	161775	6.00E-64	128	129	99 -	524	652	124240	124368
UN56373	Rsa1.0_01494.1	374	44641	1.00E-158	289	290	99 +	85	374	4752	5040
UN56374	Rsa1.0_00015.1	764	561803	0	617	630	97 +	136	764	443074	443698
UN56375	Rsa1.0_00389.1	857	88795	1.00E-160	287	287	100 +	184	470	68066	68352
UN56376	Rsa1.0_00198.1	321	222963	1.00E-114	296	320	92 -	1	309	23609	23924
UN56377	Rsa1.0_06543.1	735	10805	0	671	699	95 +	37	735	2806	3492
UN56378	Rsa1.0_02400.1	764	31750	0	724	759	95 +	6	764	14960	15718
UN56379	Rsa1.0_07705.1	839	8754	0	742	759	97 +	3	761	113	870
UN56380	Rsa1.0_00092.1	755	659932	0	365	368	99 +	1	368	197189	197556
UN56381	Rsa1.0_01591.1	793	42718	1.00E-142	294	306	96 +	192	494	8046	8351
UN56382	Rsa1.0_01048.1	723	55684	0	389	391	99 +	36	426	26121	26511
UN56383	Rsa1.0_00236.1	687	104771	1.00E-143	263	265	99 -	3	267	90025	90289
UN56384	Rsa1.0_17099.1	829	1924	1.00E-132	246	248	99 +	305	552	1237	1484
UN56385	Rsa1.0_01149.1	452	160459	1.00E-134	314	335	93 -	127	450	128172	128505
UN56386	Rsa1.0_01863.1	699	38010	1.00E-127	247	252	98 +	10	257	24856	25107
UN56387	Rsa1.0_00017.1	711	752458	1.00E-178	326	328	99 +	3	330	204590	204915
UN56388	Rsa1.0_00066.1	775	152418	1.00E-154	279	280	99 -	209	488	16275	16554
UN56389	Rsa1.0_00059.1	807	159650	1.00E-159	288	289	99 -	365	653	115576	115864
UN56390	Rsa1.0_04209.1	887	18442	1.00E-164	293	293	100 +	2	294	4797	5089
UN56391	Rsa1.0_02310.1	662	32735	0	659	661	99 -	3	662	29711	30371
UN56392	Rsa1.0_00409.1	827	146788	1.00E-143	326	346	94 +	14	352	112393	112733

UN56393	Rsa1.0.00835.1	708	278058	1.00E-161	297	300	99 +	96	395	49347	49646
UN56394	Rsa1.0.00903.1	673	60228	1.00E-166	359	377	95 -	301	673	52756	53129
UN56395	Rsa1.0.01923.1	250	37233	2.00E-64	202	216	93 -	35	250	18104	18309
UN56396	Rsa1.0.00153.1	858	192931	0	375	381	98 +	478	853	190517	190897
UN56397	Rsa1.0.01083.1	330	54617	1.00E-78	248	269	92 +	63	330	4951	5211
UN56398	Rsa1.0.01453.1	529	45449	1.00E-112	273	292	93 -	197	488	11444	11726
UN56399	Rsa1.0.42389.1	685	529	6.00E-14	62	69	89 -	449	517	196	264
UN56400	Rsa1.0.02680.1	715	28721	0	503	512	98 +	206	715	17767	18276
UN56401	Rsa1.0.12001.1	415	5345	1.00E-135	316	335	94 -	77	408	679	1011
UN56402	Rsa1.0.00205.1	247	193401	5.00E-40	192	213	90 -	35	247	137637	137834
UN56403	Rsa1.0.01537.1	674	187285	0	408	425	96 +	252	674	841	1262
UN56404	Rsa1.0.02360.1	658	32203	0	529	538	98 +	121	658	28271	28807
UN56405	Rsa1.0.01960.1	847	36766	0	325	325	100 -	6	330	29700	30024
UN56406	Rsa1.0.00435.1	285	317579	1.00E-160	285	285	100 -	1	285	74298	74582
UN56407	Rsa1.0.00099.1	833	159619	1.00E-129	244	247	98 +	365	611	2549	2795
UN56408	Rsa1.0.01837.1	426	38502	2.00E-96	234	249	93 +	8	252	32971	33213
UN56409	Rsa1.0.03334.1	729	23659	2.00E-94	182	184	98 +	8	191	18868	19051
UN56410	Rsa1.0.25124.1	658	950	0	390	392	99 +	267	658	434	825
UN56411	Rsa1.0.00026.1	581	327835	1.00E-115	296	318	93 +	269	581	174428	174739
UN56412	Rsa1.0.00614.1	656	72276	8.00E-69	161	169	95 -	229	396	44076	44244
UN56413	Rsa1.0.02431.1	377	31504	0	374	375	99 +	3	377	16424	16798
UN56414	Rsa1.0.01285.1	699	172709	0	476	492	96 +	1	492	138304	138795
UN56415	Rsa1.0.00008.1	715	358124	0	649	653	99 -	63	715	64671	65323
UN56416	Rsa1.0.00656.1	771	69968	0	444	445	99 -	327	771	54329	54773
UN56417	Rsa1.0.00120.1	113	277288	6.00E-53	111	113	98 +	1	113	222361	222473
UN56418	Rsa1.0.00926.1	836	195072	0	374	374	100 -	3	376	43023	43396
UN56419	Rsa1.0.02447.1	657	31325	1.00E-129	240	242	99 -	188	429	20564	20805
UN56420	Rsa1.0.02810.1	816	27671	1.00E-160	287	287	100 +	66	352	17019	17305
UN56421	Rsa1.0.00113.1	434	131574	0	433	434	99 +	1	434	87636	88069
UN56422	Rsa1.0.00375.1	736	90207	1.00E-116	221	224	98 -	357	580	56870	57093
UN56423	Rsa1.0.00190.1	259	318240	1.00E-107	246	255	96 -	11	258	140962	141216
UN56424	Rsa1.0.03503.1	806	22445	0	411	432	95 +	128	549	14651	15082
UN56425	Rsa1.0.16231.1	466	131890	0	376	376	100 -	1	376	130789	131164
UN56426	Rsa1.0.00017.1	808	752458	0	518	568	91 +	51	597	367673	368240
UN56427	Rsa1.0.01682.1	553	41090	1.00E-135	256	260	98 -	1	260	30089	30348
UN56428	Rsa1.0.03960.1	469	19864	1.00E-148	424	474	89 -	8	455	14717	15189
UN56429	Rsa1.0.00735.1	825	66503	0	381	382	99 -	3	384	18081	18462
UN56430	Rsa1.0.04099.1	813	19060	0	524	528	99 +	287	813	12466	12991
UN56431	Rsa1.0.00491.1	559	80219	0	427	454	94 -	110	555	46404	46855

UN56432	Rsa1.0.00071.1	851	345714	1.00E-159	308	316	97 -	3	318	56561	56876
UN56433	Rsa1.0.00425.1	813	147080	0	444	444	100 -	370	813	75246	75689
UN56434	Rsa1.0.02967.1	636	26395	3.00E-65	160	171	93 -	304	474	14615	14785
UN56435	Rsa1.0.02978.1	756	26304	2.00E-94	229	246	93 -	3	235	15416	15661
UN56436	Rsa1.0.00211.1	288	228189	7.00E-95	225	232	96 -	4	231	130208	130436
UN56437	Rsa1.0.01096.1	685	54266	1.00E-157	287	289	99 +	137	425	4808	5096
UN56438	Rsa1.0.00812.1	791	63233	0	405	415	97 +	240	654	12713	13127
UN56439	Rsa1.0.00595.1	784	341648	0	764	790	96 +	3	784	192510	193299
UN56440	Rsa1.0.01982.1	765	36530	1.00E-168	312	315	99 -	452	765	26520	26834
UN56441	Rsa1.0.01881.1	650	37721	1.00E-169	321	325	98 -	326	650	22791	23113
UN56442	Rsa1.0.00057.1	381	160473	6.00E-62	167	177	94 +	7	183	49338	49510
UN56443	Rsa1.0.13434.1	594	4831	3.00E-83	169	173	97 +	422	594	389	561
UN56444	Rsa1.0.01196.1	402	51097	4.00E-94	217	226	96 -	178	402	32610	32831
UN56445	Rsa1.0.01575.1	133	42924	5.00E-26	116	126	92 -	7	132	41948	42064
UN56446	Rsa1.0.00390.1	775	88681	0	648	711	91 +	63	772	16737	17445
UN56447	Rsa1.0.13708.1	670	4447	0	557	561	99 -	3	563	2527	3087
UN56448	Rsa1.0.19040.1	365	1491	1.00E-105	335	358	93 +	1	348	981	1330
UN56449	Rsa1.0.03401.1	296	23191	1.00E-115	272	285	95 +	13	296	22620	22897
UN56450	Rsa1.0.00159.1	859	431686	1.00E-104	216	224	96 +	217	440	349193	349416
UN56451	Rsa1.0.00294.1	755	144860	0	391	393	99 -	2	394	118527	118919
UN56452	Rsa1.0.00871.1	644	61539	0	426	426	100 +	219	644	4048	4473
UN56453	Rsa1.0.01993.1	467	36384	1.00E-180	325	327	99 -	141	467	11363	11689
UN56454	Rsa1.0.00817.1	118	62961	3.00E-27	111	118	94 -	1	118	53949	54059
UN56455	Rsa1.0.02078.1	749	35308	0	483	484	99 -	266	749	11893	12376
UN56456	Rsa1.0.04808.1	486	15893	1.00E-167	298	298	100 -	1	298	13072	13369
UN56457	Rsa1.0.01775.1	572	39519	1.00E-101	211	217	97 +	354	570	6860	7072
UN56458	Rsa1.0.11107.1	810	5613	1.00E-179	340	343	99 +	470	810	3865	4206
UN56459	Rsa1.0.16876.1	478	2005	7.00E-50	113	117	96 +	153	269	910	1026
UN56460	Rsa1.0.00660.1	289	69688	1.00E-154	288	292	98 -	2	289	3447	3738
UN56461	Rsa1.0.02205.1	136	33923	8.00E-62	132	136	97 -	1	136	5855	5990
UN56462	Rsa1.0.03141.1	815	25061	1.00E-168	376	405	92 +	426	815	12076	12480
UN56463	Rsa1.0.01221.1	777	50421	0	768	775	99 +	3	777	11859	12632
UN56464	Rsa1.0.01316.1	617	48325	0	472	473	99 -	145	617	17456	17927
UN56465	Rsa1.0.05544.1	306	13381	3.00E-60	118	118	100 -	1	118	8507	8624
UN56466	Rsa1.0.01668.1	767	41299	1.00E-110	269	291	92 -	79	369	40399	40689
UN56467	Rsa1.0.00728.1	487	66704	1.00E-106	245	261	93 -	4	261	16817	17077
UN56468	Rsa1.0.00253.1	106	231292	2.00E-46	104	106	98 -	2	106	8881	8986
UN56469	Rsa1.0.00671.1	297	397884	1.00E-160	296	298	99 +	1	297	192158	192455
UN56470	Rsa1.0.03524.1	440	22297	1.00E-121	238	244	97 -	193	436	14286	14529

UN56471	Rsa1.0_00930.1	372	59224	1.00E-177	329	334	98 -	39	372	38997	39330
UN56472	Rsa1.0_00336.1	848	445051	1.00E-132	248	251	98 +	598	848	281490	281740
UN56473	Rsa1.0_02040.1	383	35684	4.00E-63	123	123	100 +	92	214	12407	12529
UN56474	Rsa1.0_02858.1	674	27246	1.00E-168	381	407	93 -	284	674	2273	2679
UN56475	Rsa1.0_00092.1	876	659932	0	518	547	94 +	16	557	455345	455884
UN56476	Rsa1.0_02029.1	482	35857	1.00E-143	298	306	97 -	1	306	16302	16603
UN56477	Rsa1.0_01976.1	639	36570	4.00E-92	172	172	100 -	266	437	26045	26216
UN56478	Rsa1.0_00067.1	582	415055	1.00E-161	287	287	100 +	296	582	314010	314296
UN56479	Rsa1.0_00576.1	659	178949	0	360	363	99 -	1	363	142181	142543
UN56480	Rsa1.0_05727.1	781	12808	1.00E-144	262	263	99 -	3	265	3515	3777
UN56481	Rsa1.0_03168.1	490	24827	1.00E-143	263	265	99 -	2	266	22104	22368
UN56482	Rsa1.0_00526.1	664	169279	0	530	587	90 -	43	614	119383	119945
UN56483	Rsa1.0_03668.1	575	21483	2.00E-93	174	174	100 +	357	530	9647	9820
UN56484	Rsa1.0_00744.1	200	66084	5.00E-89	191	198	96 -	2	198	57848	58045
UN56485	Rsa1.0_00112.1	661	132199	1.00E-128	277	291	95 -	168	458	103093	103380
UN56486	Rsa1.0_00911.1	623	59943	0	494	508	97 +	1	507	14929	15436
UN56487	Rsa1.0_08979.1	733	6739	0	485	503	96 -	232	733	5218	5720
UN56488	#	#	#	#	#	#	#	#	#	#	#
UN56489	Rsa1.0_23881.1	680	1020	2.00E-41	143	163	87 -	174	336	168	321
UN56490	Rsa1.0_02191.1	812	34078	1.00E-166	359	378	94 -	2	372	23641	24015
UN56491	Rsa1.0_03009.1	618	26065	1.00E-114	230	237	97 +	76	312	15481	15717
UN56492	Rsa1.0_01513.1	773	44234	2.00E-85	351	410	85 -	387	767	16199	16595
UN56493	Rsa1.0_00164.1	767	116642	0	765	773	98 -	1	767	75063	75835
UN56494	Rsa1.0_06078.1	517	11794	1.00E-76	189	202	93 -	1	201	2318	2519
UN56495	Rsa1.0_01054.1	753	55470	0	413	421	98 -	333	746	9067	9487
UN56496	Rsa1.0_05319.1	739	14158	1.00E-122	263	275	95 +	21	294	428	702
UN56497	Rsa1.0_04915.1	608	15461	0	599	603	99 +	1	603	4883	5485
UN56498	Rsa1.0_00286.1	702	98709	2.00E-54	115	117	98 +	318	434	21127	21243
UN56499	Rsa1.0_01833.1	804	38555	1.00E-71	147	150	98 +	481	630	15971	16120
UN56500	Rsa1.0_02858.1	198	27246	3.00E-31	76	77	98 -	17	93	552	627
UN56501	Rsa1.0_27525.1	729	849	3.00E-96	191	195	97 +	210	404	218	412
UN56502	Rsa1.0_00016.1	754	831256	0	426	454	93 +	187	640	650571	651024
UN56503	Rsa1.0_00303.1	148	97468	7.00E-44	96	98	97 -	51	148	40265	40362
UN56504	Rsa1.0_00145.1	621	261008	1.00E-177	327	331	98 -	278	608	246629	246959
UN56505	Rsa1.0_01678.1	629	162174	0	385	392	98 -	35	426	144329	144720
UN56506	Rsa1.0_00040.1	720	324196	1.00E-169	378	396	95 +	328	717	223524	223918
UN56507	Rsa1.0_01054.1	657	55470	3.00E-22	79	87	90 +	4	90	52088	52174
UN56508	Rsa1.0_00005.1	821	353093	0	767	823	93 +	5	821	64754	65556
UN56509	Rsa1.0_00661.1	740	213041	1.00E-132	285	299	95 -	437	733	46267	46565

UN56510	Rsa1.0.00577.1	655	174827	4.00E-83	166	169	98 -	487	655	160601	160769
UN56511	Rsa1.0.01884.1	788	37659	1.00E-101	339	390	86 +	228	605	28844	29233
UN56512	Rsa1.0.02003.1	701	36171	1.00E-102	303	340	89 -	1	334	33665	33998
UN56513	Rsa1.0.00905.1	786	60110	1.00E-109	229	237	96 +	535	770	24895	25131
UN56514	Rsa1.0_10378.1	520	5866	1.00E-120	297	320	92 +	201	519	5556	5860
UN56515	Rsa1.0_02873.1	438	27077	1.00E-170	328	335	97 +	64	398	15590	15923
UN56516	Rsa1.0.02859.1	609	162118	1.00E-144	275	280	98 -	1	280	138640	138919
UN56517	Rsa1.0.01701.1	146	162121	4.00E-36	83	85	97 +	1	85	149885	149969
UN56518	Rsa1.0_16837.1	748	2018	0	385	398	96 +	353	746	470	867
UN56519	Rsa1.0.00525.1	709	78030	0	460	471	97 +	190	660	60682	61152
UN56520	Rsa1.0.07692.1	602	132338	1.00E-120	298	321	92 -	249	569	6752	7067
UN56521	Rsa1.0.01454.1	804	45440	1.00E-147	319	334	95 +	473	796	12955	13288
UN56522	Rsa1.0.00025.1	558	277312	0	498	506	98 -	1	506	99683	100188
UN56523	Rsa1.0.00005.1	769	353093	1.00E-156	317	326	97 -	447	769	256222	256546
UN56524	Rsa1.0.01731.1	751	40208	5.00E-95	206	213	96 +	483	693	29671	29883
UN56525	Rsa1.0.00589.1	565	209965	0	560	561	99 -	5	565	167852	168412
UN56526	Rsa1.0.01363.1	655	47195	1.00E-108	217	223	97 +	2	224	20298	20520
UN56527	Rsa1.0.03567.1	703	22049	0	512	512	100 +	107	618	11451	11962
UN56528	Rsa1.0.02754.1	667	28213	0	654	663	98 +	1	660	7904	8566
UN56529	Rsa1.0.03024.1	713	25931	0	710	715	99 +	2	713	23629	24343
UN56530	Rsa1.0.00269.1	631	341668	0	485	510	95 +	4	498	306295	306800
UN56531	Rsa1.0.01549.1	740	43543	0	714	745	95 +	3	740	31477	32220
UN56532	Rsa1.0.04126.1	755	18939	1.00E-100	266	293	90 +	270	562	17030	17322
UN56533	Rsa1.0.01329.1	663	47982	0	536	547	97 +	1	543	20901	21447
UN56534	Rsa1.0.01506.1	549	44370	0	374	389	96 -	3	387	14269	14656
UN56535	Rsa1.0.00049.1	538	167018	0	514	517	99 +	5	521	98719	99235
UN56536	Rsa1.0.00104.1	641	368722	0	478	499	95 +	133	631	29781	30274
UN56537	Rsa1.0.00176.1	654	240984	0	437	455	96 +	11	465	17769	18220
UN56538	Rsa1.0.03341.1	651	23604	0	367	382	96 -	211	592	2950	3319
UN56539	Rsa1.0.00422.1	758	86144	0	562	604	93 -	1	586	83575	84178
UN56540	Rsa1.0.00316.1	726	96264	0	462	487	94 -	11	495	85542	86028
UN56541	Rsa1.0.02851.1	678	27295	1.00E-112	208	209	99 +	470	678	6834	7042
UN56542	Rsa1.0.00204.1	163	109056	3.00E-80	160	163	98 +	1	163	105957	106119
UN56543	Rsa1.0.01669.1	784	41286	0	572	598	95 -	3	592	10431	11023
UN56544	Rsa1.0.00675.1	739	145590	0	624	659	94 -	2	654	49098	49753
UN56545	Rsa1.0.01175.1	382	51674	4.00E-97	232	250	92 -	1	247	41128	41363
UN56546	Rsa1.0.00131.1	692	432233	1.00E-176	387	409	94 -	282	685	188419	188825
UN56547	Rsa1.0.07846.1	430	8433	0	402	408	98 +	2	408	4353	4760
UN56548	Rsa1.0.00931.1	685	59210	1.00E-154	286	289	98 -	268	556	23892	24180

UN56549	Rsa1.0.00017.1	708	752458	0	676	699	96 +	13	707	285257	285954
UN56550	Rsa1.0.24099.1	598	1007	1.00E-114	215	217	99 -	269	485	442	658
UN56551	Rsa1.0.01990.1	690	36431	1.00E-171	307	308	99 -	2	309	34873	35180
UN56552	Rsa1.0.05217.1	619	142938	0	424	446	95 -	152	593	130269	130711
UN56553	Rsa1.0.01786.1	753	133324	1.00E-110	217	221	98 +	287	504	1720	1940
UN56554	Rsa1.0.00596.1	664	73578	0	449	470	95 -	2	471	36703	37172
UN56555	Rsa1.0.00114.1	682	131330	2.33E-156	305	319	95 -	265	583	45013	45331
UN56556	Rsa1.0.00115.1	120	131321	9.00E-43	106	112	94 +	7	118	68401	68512
UN56557	Rsa1.0.01618.1	340	42118	5.00E-87	221	239	92 +	107	339	295	533
UN56558	Rsa1.0.29880.1	427	769	0	415	425	97 -	3	427	129	553
UN56559	Rsa1.0.05612.1	692	13193	9.00E-72	138	138	100 -	20	157	12049	12186
UN56560	Rsa1.0.00024.1	733	188018	0	673	741	90 -	4	733	61217	61933
UN56561	Rsa1.0.00204.1	741	109056	0	694	734	94 +	13	735	42658	43391
UN56562	Rsa1.0.00529.1	781	77487	0	744	776	95 +	3	775	4526	5301
UN56563	Rsa1.0.01092.1	720	54348	1.00E-126	307	331	92 -	114	436	44476	44800
UN56564	Rsa1.0.59643.1	726	384	1.00E-119	239	246	97 +	314	559	1	246
UN56565	Rsa1.0.04835.1	740	15766	1.00E-128	260	269	96 -	414	682	13933	14201
UN56566	Rsa1.0.00645.1	729	189716	0	684	717	95 +	14	729	29437	30153
UN56567	Rsa1.0.00438.1	752	84861	0	716	734	97 +	3	732	39880	40612
UN56568	Rsa1.0.06903.1	750	10186	1.00E-122	228	230	99 +	144	373	179	408
UN56569	Rsa1.0.38173.1	266	590	1.00E-46	101	103	98 -	2	104	183	285
UN56570	Rsa1.0.02803.1	675	27715	1.00E-163	333	347	95 +	35	381	18769	19115
UN56571	Rsa1.0.00751.1	709	65759	0	444	466	95 +	4	469	45208	45672
UN56572	Rsa1.0.03552.1	750	22151	2.00E-91	200	209	95 +	42	250	11229	11434
UN56573	Rsa1.0.00184.1	715	218748	0	442	458	96 -	259	715	2713	3170
UN56574	Rsa1.0.06160.1	730	11596	1.00E-140	313	333	93 +	235	567	11089	11421
UN56575	Rsa1.0.03294.1	673	23971	0	463	495	93 -	183	663	17160	17653
UN56576	Rsa1.0.00632.1	679	183777	1.00E-127	237	239	99 +	441	679	158959	159197
UN56577	Rsa1.0.00059.1	671	159650	0	641	671	95 +	1	671	65845	66515
UN56578	Rsa1.0.00959.1	644	58202	1.00E-121	248	256	96 +	390	644	1503	1758
UN56579	Rsa1.0.00105.1	679	134138	3.00E-87	179	184	97 -	171	354	86940	87123
UN56580	Rsa1.0.37045.1	712	608	0	498	523	95 -	1	522	1	523
UN56581	Rsa1.0.06047.1	462	11854	2.00E-59	120	121	99 -	3	123	10287	10407
UN56582	Rsa1.0.01396.1	497	151624	1.00E-159	348	366	95 -	128	489	128767	129131
UN56583	Rsa1.0.00140.1	711	121541	0	328	329	99 +	4	332	9821	10149
UN56584	Rsa1.0.00247.1	686	103408	1.00E-127	331	364	90 -	3	350	66969	67329
UN56585	Rsa1.0.05505.1	758	13500	1.00E-105	214	220	97 +	3	219	581	800
UN56586	Rsa1.0.00899.1	735	60404	1.00E-109	207	209	99 -	2	210	23796	24004
UN56587	Rsa1.0.01310.1	753	164719	0	677	732	92 +	20	738	8595	9317

UN56588	Rsa1.0.02548.1	812	30228	1.00E-162	377	390	96 +	435	812	8737	9126
UN56589	Rsa1.0.00076.1	645	146021	2.00E-88	181	186	97 +	201	386	43256	43441
UN56590	Rsa1.0.02008.1	353	36109	0	353	353	100 +	1	353	19046	19398
UN56591	Rsa1.0.00749.1	631	65933	1.00E-151	295	303	97 -	329	631	36471	36773
UN56592	Rsa1.0.02142.1	737	34633	1.00E-165	297	298	99 -	2	299	30341	30638
UN56593	Rsa1.0.02605.1	597	29637	1.00E-131	274	285	96 +	3	286	12918	13202
UN56594	Rsa1.0.01546.1	472	43586	1.00E-177	353	366	96 +	102	467	21013	21373
UN56595	Rsa1.0.02411.1	788	31655	1.00E-168	299	299	100 +	3	301	4522	4820
UN56596	Rsa1.0.05976.1	621	12061	1.00E-177	327	331	98 -	3	333	11221	11551
UN56597	Rsa1.0.01792.1	680	39227	0	494	509	97 -	172	680	35226	35733
UN56598	Rsa1.0.00707.1	649	190112	0	563	582	96 -	71	640	16052	16633
UN56599	Rsa1.0.01258.1	812	49755	0	367	367	100 +	242	608	45501	45867
UN56600	Rsa1.0.02673.1	767	28877	1.00E-100	200	205	97 +	2	206	10467	10671
UN56601	Rsa1.0.09853.1	559	6118	6.00E-57	131	137	95 +	423	559	1888	2024
UN56602	Rsa1.0.01303.1	482	48853	1.00E-108	228	237	96 -	246	482	42903	43136
UN56603	Rsa1.0.11907.1	740	5374	1.00E-120	281	297	94 -	450	740	2948	3244
UN56604	Rsa1.0.01349.1	658	47513	0	556	559	99 +	3	561	9230	9788
UN56605	Rsa1.0.07693.1	785	8776	1.00E-163	352	372	94 -	286	657	7066	7437
UN56606	Rsa1.0.00361.1	775	91181	0	455	463	98 +	314	774	47138	47600
UN56607	Rsa1.0.01193.1	664	51147	9.00E-78	164	168	97 +	192	358	13320	13487
UN56608	Rsa1.0.13471.1	770	4802	1.00E-120	235	240	97 +	286	525	2722	2961
UN56609	Rsa1.0.02183.1	588	34170	0	401	407	98 +	55	457	19134	19540
UN56610	Rsa1.0.00555.1	656	75920	0	637	645	98 +	3	647	33413	34056
UN56611	Rsa1.0.03820.1	800	20664	2.00E-69	171	178	96 -	618	791	6782	6959
UN56612	Rsa1.0.01166.1	715	51877	1.00E-128	263	273	96 +	285	557	6459	6731
UN56613	Rsa1.0.00706.1	637	291570	1.00E-153	303	310	97 +	175	481	47218	47527
UN56614	Rsa1.0.00073.1	787	240924	1.00E-165	338	346	97 -	3	345	227516	227859
UN56615	Rsa1.0.01696.1	276	301850	1.00E-111	261	278	93 -	1	276	160666	160942
UN56616	Rsa1.0.04448.1	682	17309	0	496	520	95 +	164	682	10372	10891
UN56617	Rsa1.0.00690.1	683	140527	0	333	335	99 +	3	336	4939	5273
UN56618	Rsa1.0.01507.1	280	44361	3.00E-91	217	233	93 -	9	241	28340	28566
UN56619	Rsa1.0.00476.1	646	280966	1.00E-158	327	338	96 -	286	621	218738	219074
UN56620	Rsa1.0.00272.1	147	447836	6.00E-35	81	83	97 -	1	83	67489	67571
UN56621	Rsa1.0.00040.1	658	324196	2.00E-94	194	200	97 -	10	209	91484	91683
UN56622	Rsa1.0.04027.1	678	19501	0	621	670	92 -	17	670	4285	4954
UN56623	Rsa1.0.02273.1	645	140964	1.00E-107	200	201	99 -	27	227	9674	9874
UN56624	Rsa1.0.03264.1	706	145959	1.00E-70	142	144	98 +	164	307	139203	139346
UN56625	Rsa1.0.00617.1	765	72199	0	680	717	94 -	42	757	32206	32919
UN56626	Rsa1.0.02726.1	778	28404	1.00E-122	252	262	96 +	211	472	21630	21891

UN56627	Rsa1.0.03401.1	766	23191	0	503	524	95 -	240	759	5999	6522
UN56628	Rsa1.0.00274.1	705	210119	0	486	503	96 +	205	705	188576	189078
UN56629	Rsa1.0.01562.1	621	43196	0	610	618	98 +	2	619	8920	9536
UN56630	Rsa1.0.00974.1	583	57893	4.00E-67	154	162	95 -	121	282	53560	53721
UN56631	Rsa1.0.01115.1	707	183545	2.00E-94	294	325	90 +	3	317	4959	5278
UN56632	Rsa1.0.01356.1	802	47287	4.00E-71	140	141	99 +	134	274	33746	33886
UN56633	Rsa1.0.00120.1	743	277288	0	364	366	99 +	362	726	266327	266691
UN56634	Rsa1.0.00061.1	739	218685	0	657	676	97 +	59	730	200631	201306
UN56635	Rsa1.0.01923.1	672	37233	1.00E-134	263	267	98 +	403	667	36457	36723
UN56636	Rsa1.0.00181.1	391	114269	1.00E-180	373	391	95 -	1	391	79710	80100
UN56637	Rsa1.0.08518.1	740	7244	0	664	730	90 +	2	727	5114	5809
UN56638	Rsa1.0.00418.1	431	215377	1.00E-154	321	335	95 -	93	421	45570	45904
UN56639	Rsa1.0.00540.1	143	76895	2.00E-50	129	137	94 -	7	143	16008	16143
UN56640	Rsa1.0.00387.1	682	495407	1.00E-131	243	245	99 -	1	245	400491	400735
UN56641	Rsa1.0.00586.1	424	163802	1.00E-137	256	259	98 +	54	312	108341	108599
UN56642	Rsa1.0.00087.1	672	761073	0	605	642	94 -	3	638	213348	213979
UN56643	Rsa1.0.00292.1	678	98141	9.00E-81	202	216	93 -	1	214	64971	65185
UN56644	Rsa1.0.08100.1	815	7912	0	554	603	91 +	2	595	5894	6493
UN56645	Rsa1.0.07250.1	613	9663	1.00E-98	299	344	86 -	3	336	9079	9403
UN56646	Rsa1.0.01046.1	691	152989	0	391	392	99 +	223	614	136697	137088
UN56647	Rsa1.0.00218.1	777	201480	0	627	655	95 +	88	740	21366	22014
UN56648	Rsa1.0.00047.1	586	168582	1.00E-166	425	463	91 +	124	586	29921	30368
UN56649	Rsa1.0.00254.1	547	102600	0	460	469	98 +	1	468	20696	21163
UN56650	Rsa1.0.02345.1	612	32337	0	577	606	95 -	2	596	1800	2397
UN56651	Rsa1.0.02269.1	664	33168	0	616	677	90 -	3	662	10697	11348
UN56652	Rsa1.0.00100.1	543	249232	1.00E-144	289	299	96 +	1	299	11218	11516
UN56653	Rsa1.0.03567.1	770	22049	1.00E-89	242	262	92 +	3	256	18353	18611
UN56654	Rsa1.0.00732.1	840	66631	3.00E-72	175	183	95 +	572	751	43798	43980
UN56655	Rsa1.0.17623.1	761	1781	0	564	593	95 -	165	753	1189	1781
UN56656	Rsa1.0.00722.1	653	66840	0	445	478	93 -	9	486	38556	39033
UN56657	Rsa1.0.02616.1	139	29542	8.00E-59	133	139	95 -	1	139	24024	24162
UN56658	Rsa1.0.02086.1	808	35198	0	735	751	97 -	6	752	19926	20675
UN56659	Rsa1.0.00214.1	668	107508	1.00E-131	275	285	96 +	3	284	71858	72142
UN56660	Rsa1.0.02020.1	715	173211	0	386	397	97 +	3	399	143722	144118
UN56661	Rsa1.0.01101.1	707	54031	0	696	706	98 -	2	707	15123	15826
UN56662	#	#	#	#	#	#	#	#	#	#	#
UN56663	Rsa1.0.00415.1	616	86795	1.00E-105	218	226	96 -	45	270	75383	75608
UN56664	Rsa1.0.03264.1	787	145959	4.00E-80	164	168	97 +	185	352	129573	129740
UN56665	Rsa1.0.02648.1	606	29073	1.00E-132	294	310	94 +	107	415	5546	5852

UN56666	Rsa1.0_00301.1	729	365315	0	464	487	95 -	231	712	167097	167574
UN56667	Rsa1.0_06841.1	638	10286	1.00E-118	224	227	98 -	164	390	8514	8740
UN56668	Rsa1.0_00383.1	662	398431	0	417	429	97 +	2	427	20225	20653
UN56669	Rsa1.0_07879.1	456	8370	1.00E-175	390	414	94 -	1	404	900	1310
UN56670	Rsa1.0_07638.1	670	8967	1.00E-142	368	406	90 +	10	394	4151	4555
UN56671	Rsa1.0_00918.1	750	59720	1.00E-113	233	239	97 -	451	687	3329	3567
UN56672	Rsa1.0_00152.1	770	257730	1.00E-158	321	331	96 +	414	742	59089	59419
UN56673	Rsa1.0_00796.1	699	63997	0	383	394	97 -	3	396	41983	42376
UN56674	Rsa1.0_01971.1	768	36641	0	568	606	93 +	81	684	19087	19692
UN56675	Rsa1.0_02692.1	715	28626	0	682	716	95 +	2	709	20112	20826
UN56676	Rsa1.0_03985.1	656	19704	2.00E-75	378	454	83 +	57	504	10687	11137
UN56677	Rsa1.0_05239.1	735	14410	0	388	404	96 -	343	735	11729	12132
UN56678	Rsa1.0_00291.1	752	172129	1.00E-153	277	278	99 -	256	533	64816	65093
UN56679	Rsa1.0_01697.1	728	40837	1.00E-149	288	294	97 +	2	295	17997	18288
UN56680	Rsa1.0_00002.1	713	601661	1.00E-178	361	371	97 -	347	713	550540	550909
UN56681	Rsa1.0_00902.1	651	60241	1.00E-164	320	329	97 -	323	651	51801	52129
UN56682	Rsa1.0_00642.1	629	201230	1.00E-119	242	250	96 -	174	423	4076	4325
UN56683	Rsa1.0_00964.1	233	316648	5.00E-83	226	253	89 +	1	232	302250	302502
UN56684	Rsa1.0_02625.1	647	139104	0	519	521	99 +	5	525	12716	13236
UN56685	Rsa1.0_06784.1	536	10359	0	410	410	100 +	2	411	5973	6382
UN56686	Rsa1.0_00073.1	596	240924	0	346	348	99 +	2	349	188736	189083
UN56687	Rsa1.0_02117.1	684	34843	0	345	352	98 +	2	353	8941	9292
UN56688	Rsa1.0_02926.1	655	26716	1.00E-100	206	213	96 -	443	655	2672	2884
UN56689	Rsa1.0_40963.1	669	548	3.00E-93	226	248	91 +	3	231	270	517
UN56690	Rsa1.0_05610.1	218	13194	1.00E-103	208	213	97 -	3	213	735	947
UN56691	Rsa1.0_11060.1	715	5629	0	663	690	96 -	10	698	2	691
UN56692	Rsa1.0_05461.1	727	13674	1.00E-73	144	145	99 +	490	634	7770	7914
UN56693	Rsa1.0_00009.1	750	232558	6.00E-70	144	147	97 +	439	585	149796	149942
UN56694	Rsa1.0_00308.1	712	96915	0	484	512	94 -	202	710	85859	86367
UN56695	Rsa1.0_01341.1	702	47764	0	476	501	95 +	206	702	39690	40188
UN56696	Rsa1.0_00092.1	724	659932	1.00E-153	286	290	98 +	168	457	311430	311719
UN56697	Rsa1.0_03381.1	757	23306	1.00E-116	243	251	96 -	120	370	19673	19919
UN56698	Rsa1.0_00786.1	694	64285	0	458	476	96 +	1	476	32122	32597
UN56699	Rsa1.0_00408.1	512	176752	1.00E-136	266	273	97 -	2	274	134345	134617
UN56700	Rsa1.0_00050.1	167	237174	8.00E-75	160	166	96 -	2	167	236090	236255
UN56701	Rsa1.0_00275.1	712	210104	3.00E-87	194	204	95 -	4	207	163741	163944
UN56702	Rsa1.0_03607.1	721	21817	4.00E-52	108	109	99 +	139	247	1914	2022
UN56703	Rsa1.0_00267.1	719	101509	1.00E-151	312	323	96 +	399	719	27250	27572
UN56704	Rsa1.0_02129.1	742	34757	0	713	742	96 +	1	737	12177	12918

UN56705	Rsa1.0.00470.1	553	81968	1.00E-120	267	283	94 +	238	520	48972	49254
UN56706	Rsa1.0.05293.1	727	14237	1.00E-136	301	317	94 -	3	317	2267	2582
UN56707	Rsa1.0.01519.1	687	44144	1.00E-86	268	300	89 -	8	282	26283	26581
UN56708	Rsa1.0.02905.1	692	26873	1.00E-175	345	356	96 +	2	357	23541	23896
UN56709	Rsa1.0.00317.1	722	218290	6.00E-79	171	177	96 -	4	180	73990	74164
UN56710	Rsa1.0.04563.1	658	16837	2.00E-78	155	157	98 +	4	160	12914	13070
UN56711	Rsa1.0.00425.1	707	147080	1.00E-175	355	368	96 -	35	400	116284	116648
UN56712	Rsa1.0.00604.1	757	146282	7.00E-54	123	128	96 +	226	353	79022	79149
UN56713	Rsa1.0.00090.1	433	273859	3.00E-76	197	212	92 +	228	433	148882	149091
UN56714	Rsa1.0.02840.1	385	27386	2.00E-18	84	96	87 +	36	131	7593	7688
UN56715	Rsa1.0.00017.1	780	752458	0	670	685	97 -	107	780	238236	238920
UN56716	Rsa1.0.00179.1	368	393324	1.00E-134	249	251	99 -	1	251	61345	61595
UN56717	Rsa1.0.00060.1	633	502678	0	608	636	95 -	1	630	336364	336999
UN56718	Rsa1.0.13978.1	631	3965	0	492	496	99 -	3	495	2609	3104
UN56719	Rsa1.0.00069.1	668	403561	0	642	662	96 +	2	662	11487	12148
UN56720	Rsa1.0.00273.1	649	326186	6.00E-79	209	226	92 -	430	649	136557	136781
UN56721	Rsa1.0.01282.1	628	49304	0	590	619	95 -	10	628	15345	15955
UN56722	Rsa1.0.00372.1	710	90418	3.00E-71	167	177	94 -	8	184	5806	5982
UN56723	Rsa1.0.01925.1	670	37220	3.00E-22	90	102	88 +	322	417	5477	5578
UN56724	Rsa1.0.12280.1	691	5266	1.00E-131	246	249	98 +	3	251	456	704
UN56725	Rsa1.0.00464.1	607	82253	1.00E-144	286	294	97 +	1	291	18382	18675
UN56726	Rsa1.0.00838.1	649	153820	0	616	635	97 +	18	649	7812	8443
UN56727	Rsa1.0.01356.1	734	47287	1.00E-140	259	261	99 +	270	530	8186	8446
UN56728	Rsa1.0.00035.1	724	176449	2.00E-76	152	154	98 +	185	338	155795	155948
UN56729	Rsa1.0.00721.1	734	66918	0	410	428	95 +	293	715	723	1148
UN56730	Rsa1.0.00655.1	706	195840	1.00E-123	273	288	94 +	176	463	15353	15639
UN56731	Rsa1.0.03031.1	732	25839	3.00E-87	182	188	96 -	328	515	1755	1942
UN56732	Rsa1.0.00861.1	679	61759	0	655	684	95 -	2	679	59770	60452
UN56733	Rsa1.0.00048.1	516	167185	0	481	517	93 +	1	516	107343	107856
UN56734	Rsa1.0.00153.1	746	192931	1.00E-134	353	387	91 -	2	379	170695	171069
UN56735	Rsa1.0.00374.1	642	165738	1.00E-163	309	315	98 -	128	442	133506	133820
UN56736	Rsa1.0.00040.1	711	324196	1.00E-137	355	383	92 -	337	707	296834	297216
UN56737	Rsa1.0.05683.1	653	12944	0	400	400	100 -	79	478	4060	4459
UN56738	Rsa1.0.00055.1	596	520193	1.00E-173	317	320	99 -	275	594	352664	352983
UN56739	Rsa1.0.00269.1	706	341668	1.00E-168	355	372	95 +	3	364	47583	47954
UN56740	Rsa1.0.00450.1	706	139397	0	521	532	97 +	2	533	40520	41051
UN56741	Rsa1.0.62848.1	638	365	1.00E-163	337	352	95 -	58	409	1	352
UN56742	Rsa1.0.05937.1	629	12175	0	622	628	99 -	2	629	2730	3357
UN56743	Rsa1.0.01645.1	158	41748	2.00E-59	134	140	95 -	1	140	17279	17418

UN56744	Rsa1.0.00017.1	210	752458	3.00E-75	169	175	96 +	36	210	286414	286586
UN56745	Rsa1.0.03883.1	694	20282	0	449	459	97 +	233	689	9509	9967
UN56746	Rsa1.0.00112.1	712	132199	5.00E-98	185	186	99 +	354	539	11274	11459
UN56747	Rsa1.0.02903.1	751	26901	0	360	372	96 +	2	373	7147	7518
UN56748	Rsa1.0.00071.1	644	345714	1.00E-133	253	257	98 -	388	644	43275	43531
UN56749	Rsa1.0.00009.1	712	232558	0	483	505	95 +	183	685	37176	37680
UN56750	Rsa1.0.00571.1	621	329018	1.00E-159	332	345	96 -	3	341	43395	43739
UN56751	Rsa1.0.00307.1	777	199003	3.00E-78	209	225	92 +	16	234	68019	68236
UN56752	Rsa1.0.00625.1	698	71672	1.00E-117	229	234	97 -	77	310	46786	47019
UN56753	Rsa1.0.00338.1	666	94109	2.00E-97	197	201	98 -	80	279	84890	85090
UN56754	Rsa1.0.03870.1	613	20362	0	431	447	96 +	170	613	654	1099
UN56755	Rsa1.0.00108.1	636	478491	9.00E-87	184	190	96 +	202	389	419082	419271
UN56756	Rsa1.0.00667.1	614	69460	0	592	612	96 -	5	614	52551	53161
UN56757	Rsa1.0.06541.1	111	10806	3.00E-36	101	109	92 +	3	111	10697	10805
UN56758	Rsa1.0.03306.1	560	23873	0	367	371	98 -	4	374	12625	12994
UN56759	Rsa1.0.00817.1	491	62961	0	464	487	95 +	5	491	23229	23713
UN56760	Rsa1.0.00254.1	656	102600	1.00E-137	294	307	95 +	5	309	74057	74363
UN56761	Rsa1.0.03325.1	109	23720	2.00E-21	61	64	95 +	12	75	15132	15195
UN56762	Rsa1.0.71872.1	128	319	1.00E-42	118	128	92 -	1	128	188	315
UN56763	Rsa1.0.03306.1	506	23873	1.00E-168	316	320	98 -	1	320	12625	12943
UN56764	Rsa1.0.03738.1	175	21071	3.00E-80	169	175	96 -	1	175	10917	11091
UN56765	Rsa1.0.03325.1	271	23720	1.00E-46	119	127	93 +	13	139	15069	15195
UN56766	Rsa1.0.01053.1	858	55483	0	588	609	96 -	1	609	14055	14659
UN56767	Rsa1.0.71872.1	137	319	2.00E-56	129	135	95 -	3	137	185	319
UN56768	Rsa1.0.00936.1	438	59078	1.00E-158	308	315	97 +	1	314	27800	28114
UN56769	Rsa1.0.03400.1	233	23203	1.00E-122	230	233	98 -	1	233	22566	22798
UN56770	Rsa1.0.00049.1	799	167018	0	394	400	98 +	54	453	95382	95779
UN56771	Rsa1.0.05122.1	625	14791	6.00E-17	55	58	94 -	350	407	8554	8611
UN56772	Rsa1.0.01648.1	121	41635	4.00E-60	120	121	99 +	1	121	6043	6163
UN56773	Rsa1.0.00130.1	770	125737	1.00E-149	392	434	90 +	1	419	110793	111214
UN56774	Rsa1.0.00051.1	440	258225	1.00E-142	386	423	91 +	11	433	119616	120028
UN56775	Rsa1.0.00867.1	263	61635	3.00E-57	134	141	95 +	1	141	345	485
UN56776	Rsa1.0.00391.1	160	183853	4.00E-70	157	162	96 +	1	160	63686	63847
UN56777	Rsa1.0.01814.1	767	38917	0	467	469	99 +	1	467	300	768
UN56778	Rsa1.0.01504.1	843	189978	0	613	632	96 -	212	843	150171	150802
UN56779	Rsa1.0.01156.1	800	52147	1.00E-176	325	328	99 +	1	328	24006	24331
UN56780	Rsa1.0.00194.1	668	110851	0	448	471	95 -	2	471	13143	13605
UN56781	Rsa1.0.06716.1	647	10482	0	546	553	98 +	1	553	4551	5102
UN56782	Rsa1.0.00688.1	616	68396	0	408	434	94 +	3	433	15240	15664

UN56783	Rsa1.0.01167.1	623	51859	0	474	492	96 +	1	488	27148	27639
UN56784	Rsa1.0.04342.1	808	17828	0	371	382	97 +	427	808	355	736
UN56785	Rsa1.0.04651.1	873	16516	1.00E-160	286	286	100 +	3	288	9251	9536
UN56786	Rsa1.0.00104.1	619	368722	1.00E-126	242	245	98 +	1	245	264137	264380
UN56787	Rsa1.0.00398.1	106	88007	1.00E-41	101	106	95 -	1	106	29228	29333
UN56788	Rsa1.0.00281.1	889	99908	1.00E-148	285	291	97 +	3	293	82503	82793
UN56789	Rsa1.0.01012.1	507	56836	1.00E-165	295	295	100 +	213	507	26347	26641
UN56790	Rsa1.0.01426.1	115	46112	6.00E-47	110	115	95 +	1	115	44190	44304
UN56791	Rsa1.0.00011.1	280	225044	3.00E-63	159	171	92 -	106	276	4900	5070
UN56792	Rsa1.0.03471.1	172	22678	1.00E-52	114	117	97 -	4	120	14018	14134
UN56793	Rsa1.0.01097.1	731	173349	0	379	388	97 +	33	419	32276	32663
UN56794	Rsa1.0.04209.1	690	18442	0	361	362	99 -	1	362	6321	6682
UN56795	Rsa1.0.00409.1	817	146788	0	361	363	99 -	2	364	115450	115812
UN56796	Rsa1.0.00964.1	481	316648	1.00E-121	223	224	99 -	1	224	261452	261675
UN56797	Rsa1.0.00903.1	575	60228	1.00E-137	349	380	91 +	1	376	52753	53129
UN56798	Rsa1.0.04428.1	685	17399	0	527	531	99 -	155	685	7484	8014
UN56799	Rsa1.0.00143.1	203	121313	2.00E-82	192	203	94 +	1	203	90463	90664
UN56800	Rsa1.0.01609.1	239	42280	1.00E-107	224	233	96 +	1	233	35024	35256
UN56801	Rsa1.0.00158.1	471	117999	1.00E-129	234	234	100 -	3	236	40584	40817
UN56802	Rsa1.0.12001.1	803	5345	0	784	803	97 +	1	803	28	830
UN56803	Rsa1.0.00435.1	103	317579	3.00E-42	99	103	96 +	1	103	74200	74302
UN56804	Rsa1.0.01837.1	788	38502	1.00E-158	295	299	98 -	1	299	37610	37908
UN56805	Rsa1.0.00290.1	718	225096	0	558	560	99 -	2	561	4455	5014
UN56806	Rsa1.0.00055.1	441	520193	0	417	440	94 -	5	441	340328	340766
UN56807	Rsa1.0.02206.1	810	33922	0	770	814	94 -	3	810	6656	7461
UN56808	Rsa1.0.01265.1	194	49686	1.00E-18	105	124	84 +	67	190	36418	36541
UN56809	Rsa1.0.00069.1	326	403561	1.00E-101	211	218	96 +	1	218	395422	395638
UN56810	Rsa1.0.03410.1	238	23147	6.00E-95	223	238	93 -	1	238	10396	10630
UN56811	Rsa1.0.02796.1	927	27805	1.00E-136	300	313	95 -	1	310	16192	16501
UN56812	#	#	#	#	#	#	#	#	#	#	#
UN56813	Rsa1.0.00190.1	894	318240	0	614	617	99 +	1	617	140914	141530
UN56814	Rsa1.0.03503.1	794	22445	0	556	568	97 -	1	568	15755	16321
UN56815	Rsa1.0.16231.1	819	131890	1.00E-128	235	236	99 +	452	687	130090	130325
UN56816	Rsa1.0.00017.1	163	752458	4.00E-67	153	161	95 -	1	161	368952	369112
UN56817	Rsa1.0.00491.1	138	80219	2.00E-50	132	142	92 +	1	138	46680	46821
UN56818	Rsa1.0.02079.1	492	35306	0	415	431	96 +	3	433	3681	4111
UN56819	Rsa1.0.00246.1	780	103541	0	611	612	99 +	169	780	10961	11572
UN56820	Rsa1.0.00644.1	433	136881	1.00E-154	349	378	92 -	1	378	41427	41786
UN56821	Rsa1.0.00236.1	923	104771	0	406	409	99 +	1	409	20455	20863

UN56822	Rsa1.0.00423.1	833	86138	0	677	680	99 -	1	680	48394	49073
UN56823	Rsa1.0.00061.1	662	218685	1.00E-49	123	129	95 +	138	265	166357	166485
UN56824	Rsa1.0.21279.1	425	1219	0	423	427	99 -	1	425	144	570
UN56825	Rsa1.0.00018.1	746	410899	0	416	434	95 -	1	432	51112	51544
UN56826	Rsa1.0.05665.1	716	13003	1.00E-116	216	217	99 -	1	217	12268	12484
UN56827	Rsa1.0.00963.1	845	58176	7.00E-45	99	101	98 +	231	331	36340	36440
UN56828	Rsa1.0.02064.1	278	35476	1.00E-119	265	280	94 -	1	278	15849	16128
UN56829	Rsa1.0.16170.1	738	2258	1.00E-156	279	279	100 +	2	280	1264	1542
UN56830	Rsa1.0.01982.1	553	36530	0	541	553	97 +	1	553	25906	26458
UN56831	Rsa1.0.14746.1	180	3110	1.00E-36	96	102	94 -	36	137	2928	3029
UN56832	Rsa1.0.01575.1	468	42924	5.00E-69	136	137	99 +	2	138	41948	42084
UN56833	Rsa1.0.03401.1	873	23191	0	830	863	96 -	1	848	22235	23097
UN56834	Rsa1.0.02097.1	195	35036	3.00E-56	138	147	93 -	44	190	18920	19066
UN56835	Rsa1.0.01221.1	785	50421	0	782	785	99 -	1	785	13309	14093
UN56836	Rsa1.0.00185.1	187	248445	4.00E-55	177	196	90 -	1	184	10380	10573
UN56837	Rsa1.0.01656.1	597	41494	4.00E-89	185	191	96 +	355	545	12318	12508
UN56838	Rsa1.0.00045.1	276	328694	1.00E-120	260	274	94 +	3	276	184436	184709
UN56839	Rsa1.0.00129.1	886	126831	0	386	393	98 +	116	508	29136	29527
UN56840	Rsa1.0.01359.1	510	47271	5.00E-85	278	322	86 +	2	301	32519	32833
UN56841	Rsa1.0.00092.1	821	659932	0	537	601	89 -	1	567	456551	457150
UN56842	Rsa1.0.03436.1	145	22958	2.00E-62	136	141	96 +	5	145	544	684
UN56843	Rsa1.0.00025.1	758	277312	0	540	552	97 +	1	552	97681	98230
UN56844	#	#	#	#	#	#	#	#	#	#	#
UN56845	Rsa1.0.00595.1	508	341648	0	480	508	94 -	7	508	192891	193398
UN56846	Rsa1.0.00812.1	615	63233	0	372	384	96 +	1	384	1589	1972
UN56847	Rsa1.0.01775.1	568	39519	8.00E-81	183	192	95 -	24	215	6860	7049
UN56848	Rsa1.0.00604.1	385	146282	1.00E-134	297	315	94 -	4	318	111511	111825
UN56849	Rsa1.0.03165.1	665	24866	0	409	413	99 -	252	663	18882	19294
UN56850	Rsa1.0.02430.1	444	31506	1.00E-78	194	209	92 +	233	441	13146	13354
UN56851	Rsa1.0.00089.1	227	406142	5.00E-86	210	224	93 -	7	227	231283	231506
UN56852	Rsa1.0.02944.1	802	26553	1.00E-138	297	312	95 -	8	314	15937	16245
UN56853	Rsa1.0.00546.1	503	76523	0	475	495	95 -	2	496	25215	25708
UN56854	Rsa1.0.00793.1	178	64103	5.00E-30	154	181	85 +	1	175	52053	52230
UN56855	Rsa1.0.01406.1	246	46439	2.00E-85	169	172	98 +	1	172	40452	40623
UN56856	Rsa1.0.45094.1	102	500	1.00E-41	98	102	96 -	1	102	150	251
UN56857	Rsa1.0.00796.1	487	63997	0	452	485	93 +	7	484	40348	40826
UN56858	Rsa1.0.01096.1	775	54266	1.00E-134	301	317	94 +	3	315	8879	9194
UN56859	Rsa1.0.07577.1	811	9092	0	569	598	95 -	7	603	7519	8113
UN56860	Rsa1.0.07219.1	178	9702	7.00E-63	165	178	92 +	1	178	336	512

UN56861	Rsa1.0.02548.1	719	30228	0	705	717	98 -	3	719	1073	1785
UN56862	Rsa1.0.00550.1	606	210790	1.00E-112	262	279	93 +	1	279	54906	55175
UN56863	Rsa1.0.00262.1	126	101906	3.00E-61	122	123	99 -	4	126	45595	45717
UN56864	Rsa1.0.06784.1	662	10359	0	658	665	98 -	1	662	6497	7160
UN56865	Rsa1.0.02117.1	735	34843	0	377	383	98 -	1	383	10862	11244
UN56866	Rsa1.0.00079.1	547	606987	1.00E-85	208	221	94 +	1	221	40426	40644
UN56867	Rsa1.0.00030.1	269	250988	1.00E-65	139	143	97 -	63	205	174954	175096
UN56868	Rsa1.0.14271.1	384	3591	1.00E-112	223	229	97 -	156	384	3363	3591
UN56869	Rsa1.0.04434.1	774	17377	0	735	776	94 +	4	774	7289	8057
UN56870	Rsa1.0.05461.1	609	13674	1.00E-132	263	271	97 -	1	271	9168	9438
UN56871	Rsa1.0.02700.1	763	28584	0	459	471	97 +	1	469	2884	3354
UN56872	Rsa1.0.00092.1	718	659932	0	698	731	95 -	1	718	312114	312841
UN56873	Rsa1.0.04440.1	811	17347	0	706	769	91 -	3	748	14024	14775
UN56874	Rsa1.0.00786.1	711	64285	0	673	711	94 -	17	711	33343	34053
UN56875	Rsa1.0.00408.1	818	176752	0	395	410	96 +	411	818	133299	133708
UN56876	Rsa1.0.00001.1	699	363028	1.00E-168	338	349	96 +	1	346	242274	242620
UN56877	Rsa1.0.02129.1	756	34757	0	735	765	96 -	4	756	12765	13529
UN56878	Rsa1.0.00188.1	629	112020	1.00E-180	319	319	100 +	311	629	3989	4307
UN56879	Rsa1.0.01519.1	822	44144	0	665	696	95 +	1	680	24156	24851
UN56880	Rsa1.0.04005.1	585	19586	0	559	585	95 -	1	585	15412	15988
UN56881	Rsa1.0.00425.1	571	147080	0	553	572	96 +	2	571	113873	114441
UN56882	Rsa1.0.00604.1	742	146282	4.00E-80	182	192	94 -	486	677	80064	80255
UN56883	Rsa1.0.02929.1	801	26673	0	759	804	94 +	1	796	13882	14685
UN56884	Rsa1.0.00841.1	132	183065	2.00E-31	82	85	96 +	49	132	159158	159242
UN56885	Rsa1.0.05505.1	704	13500	1.00E-115	333	369	90 -	174	535	2698	3052
UN56886	Rsa1.0.00899.1	760	60404	1.00E-83	173	178	97 +	201	378	17485	17662
UN56887	Rsa1.0.02548.1	786	30228	0	349	352	99 -	437	786	8792	9143
UN56888	Rsa1.0.00749.1	700	65933	0	490	509	96 +	1	507	34591	35098
UN56889	Rsa1.0.15011.1	859	2893	1.00E-148	329	347	94 -	3	348	807	1147
UN56890	Rsa1.0.04802.1	702	15914	0	394	401	98 +	1	401	15152	15551
UN56891	Rsa1.0.01792.1	812	39227	0	414	420	98 +	1	420	34160	34579
UN56892	Rsa1.0.00707.1	572	190112	0	562	587	95 +	1	572	15510	16096
UN56893	Rsa1.0.01258.1	681	49755	0	477	479	99 -	1	479	46488	46966
UN56894	Rsa1.0.00457.1	380	337301	7.00E-65	141	146	96 +	17	162	129417	129562
UN56895	Rsa1.0.05326.1	813	14139	0	345	350	98 -	465	813	2944	3293
UN56896	Rsa1.0.00040.1	704	324196	9.00E-72	144	146	98 +	550	695	89657	89802
UN56897	Rsa1.0.02309.1	154	32744	4.00E-70	149	154	96 -	1	154	31146	31299
UN56898	Rsa1.0.71724.1	376	319	1.00E-78	185	193	95 -	1	190	1	193
UN56899	Rsa1.0.01046.1	298	152989	3.00E-91	194	202	96 -	1	202	139680	139881

UN56900	Rsa1.0.00471.1	184	81897	8.00E-72	170	181	93 +	4	184	72229	72409
UN56901	Rsa1.0.00040.1	119	324196	2.00E-28	103	116	88 -	1	116	110673	110788
UN56902	Rsa1.0.02269.1	580	33168	0	551	581	94 +	1	580	9017	9585
UN56903	Rsa1.0.03853.1	545	20447	1.00E-128	270	281	96 -	83	362	14042	14322
UN56904	Rsa1.0.01101.1	711	54031	1.00E-168	369	389	94 +	1	385	14275	14662
UN56905	Rsa1.0.00002.1	485	601661	5.00E-57	122	125	97 +	322	446	140755	140879
UN56906	Rsa1.0.01081.1	399	499226	1.00E-102	227	240	94 -	160	399	19381	19620
UN56907	Rsa1.0.02648.1	112	29073	2.00E-15	51	54	94 -	2	55	7574	7627
UN56908	Rsa1.0.00383.1	884	398431	0	691	723	95 -	126	835	21577	22299
UN56909	Rsa1.0.00589.1	265	209965	3.00E-75	239	265	90 +	5	265	179934	180195
UN56910	Rsa1.0.00362.1	295	299497	1.00E-111	249	263	94 -	35	295	292807	293069
UN56911	Rsa1.0.01414.1	414	149508	1.00E-151	343	365	93 -	1	365	115743	116103
UN56912	Rsa1.0.03216.1	134	24540	1.00E-51	124	131	94 -	4	134	21017	21147
UN56913	Rsa1.0.03668.1	464	21483	0	453	464	97 -	1	464	10000	10463
UN56914	Rsa1.0.11131.1	575	5607	5.00E-88	237	262	90 -	6	254	4542	4798
UN56915	Rsa1.0.00112.1	556	132199	1.00E-105	209	214	97 +	336	549	101023	101236
UN56916	Rsa1.0.04799.1	315	15926	8.00E-21	52	52	100 -	1	52	6821	6872
UN56917	Rsa1.0.00529.1	744	77487	1.00E-180	459	509	90 -	200	708	6144	6637
UN56918	Rsa1.0.00178.1	744	114861	0	508	523	97 -	1	520	6211	6733
UN56919	Rsa1.0.04048.1	892	19394	1.00E-147	326	342	95 -	482	817	13538	13879
UN56920	Rsa1.0.00438.1	702	84861	0	664	671	98 -	6	675	45042	45712
UN56921	Rsa1.0.00480.1	666	81325	0	579	593	97 -	1	591	7836	8428
UN56922	Rsa1.0.02803.1	684	27715	1.00E-101	228	239	95 -	1	238	26242	26479
UN56923	Rsa1.0.00869.1	832	61627	1.00E-148	314	332	94 +	1	315	13415	13746
UN56924	Rsa1.0.05501.1	560	13513	2.00E-75	168	176	95 -	199	374	9065	9240
UN56925	Rsa1.0.02923.1	623	26736	0	612	622	98 +	3	623	11625	12243
UN56926	Rsa1.0.00460.1	627	206387	0	575	601	95 +	1	599	17666	18261
UN56927	Rsa1.0.00164.1	740	116642	0	728	760	95 +	1	740	74504	75261
UN56928	Rsa1.0.11907.1	845	5374	0	475	496	95 +	355	845	2121	2613
UN56929	Rsa1.0.00351.1	407	413096	4.00E-91	179	182	98 +	226	407	14258	14439
UN56930	Rsa1.0.15121.1	754	2812	1.00E-169	369	388	95 -	279	664	233	618
UN56931	Rsa1.0.03843.1	891	20496	2.00E-85	266	294	90 -	578	862	6228	6521
UN56932	Rsa1.0.01349.1	821	47513	0	797	823	96 -	1	821	10750	11563
UN56933	Rsa1.0.13471.1	226	4802	4.00E-68	209	229	91 -	4	226	4151	4373
UN56934	Rsa1.0.00543.1	271	76788	3.00E-66	152	160	95 -	109	268	43029	43188
UN56935	Rsa1.0.01617.1	687	42127	0	379	396	95 +	90	479	24907	25302
UN56936	Rsa1.0.00068.1	345	151813	1.00E-132	316	338	93 -	13	345	104632	104965
UN56937	Rsa1.0.20965.1	745	1249	1.00E-148	273	275	99 -	3	277	218	492
UN56938	Rsa1.0.03820.1	790	20664	2.00E-79	151	151	100 +	233	383	5678	5828

UN56939	Rsa1.0.00225.1	756	105892	0	573	582	98 +	175	756	78843	79423
UN56940	Rsa1.0.00007.1	847	239325	1.00E-162	321	330	97 -	473	801	21271	21600
UN56941	Rsa1.0.00016.1	714	831256	0	570	602	94 -	114	713	651388	651989
UN56942	Rsa1.0.00219.1	721	106983	3.00E-81	179	185	96 -	3	184	45753	45937
UN56943	Rsa1.0.09762.1	110	6164	1.00E-44	103	107	96 +	4	110	6056	6162
UN56944	Rsa1.0.02228.1	533	33688	1.00E-149	346	366	94 +	5	368	10194	10554
UN56945	Rsa1.0.00577.1	732	174827	0	720	734	98 +	1	732	159619	160352
UN56946	Rsa1.0.00974.1	887	57893	1.00E-95	187	190	98 +	294	483	52461	52650
UN56947	Rsa1.0.01356.1	783	47287	8.00E-94	254	278	91 -	1	265	36339	36611
UN56948	Rsa1.0.00061.1	723	218685	1.00E-139	300	314	95 -	2	314	202138	202449
UN56949	Rsa1.0.00387.1	875	495407	1.00E-179	373	389	95 +	34	419	398897	399285
UN56950	Rsa1.0.00087.1	838	761073	0	438	463	94 +	380	838	212971	213430
UN56951	Rsa1.0.01884.1	810	37659	0	460	479	96 -	333	809	30547	31021
UN56952	Rsa1.0.01083.1	180	54617	2.00E-29	81	86	94 -	62	147	4741	4826
UN56953	#	#	#	#	#	#	#	#	#	#	#
UN56954	Rsa1.0.37507.1	783	601	1.00E-175	368	386	95 +	1	384	216	601
UN56955	Rsa1.0.02274.1	740	33109	0	451	459	98 -	282	740	8259	8714
UN56956	Rsa1.0.00525.1	729	78030	0	705	720	97 -	12	729	61518	62236
UN56957	Rsa1.0.09451.1	132	6359	9.00E-34	108	117	92 +	1	116	5878	5993
UN56958	Rsa1.0.01860.1	800	38057	1.00E-144	319	339	94 +	3	335	21434	21772
UN56959	Rsa1.0.01618.1	732	42118	0	717	736	97 +	1	732	16236	16965
UN56960	Rsa1.0.00078.1	313	175053	1.00E-136	299	316	94 +	1	313	130330	130645
UN56961	Rsa1.0.00732.1	875	66631	1.00E-132	264	271	97 -	85	355	44927	45196
UN56962	Rsa1.0.01013.1	783	56822	0	666	737	90 -	44	780	7240	7976
UN56963	Rsa1.0.01739.1	516	40068	1.00E-134	269	278	96 -	239	516	6449	6726
UN56964	Rsa1.0.01965.1	120	36698	6.00E-13	61	66	92 -	4	69	26235	26298
UN56965	Rsa1.0.01731.1	758	40208	1.00E-123	243	249	97 -	461	709	29671	29919
UN56966	Rsa1.0.01743.1	218	39926	2.00E-73	188	204	92 +	15	218	6914	7117
UN56967	Rsa1.0.00589.1	722	209965	0	659	692	95 +	40	722	166952	167642
UN56968	Rsa1.0.03567.1	480	22049	0	394	394	100 -	1	394	13158	13551
UN56969	Rsa1.0.00269.1	115	341668	5.00E-35	105	115	91 -	1	115	306839	306953
UN56970	Rsa1.0.00627.1	173	71566	7.00E-63	159	170	93 -	5	173	5813	5982
UN56971	Rsa1.0.11811.1	515	5401	3.00E-86	177	182	97 -	304	485	2094	2275
UN56972	Rsa1.0.01824.1	452	38733	1.00E-109	222	229	96 +	1	229	7795	8023
UN56973	Rsa1.0.04463.1	779	17247	0	549	572	95 -	1	568	15847	16415
UN56974	Rsa1.0.00776.1	775	64637	0	416	444	93 +	1	440	1666	2109
UN56975	Rsa1.0.00699.1	135	184398	2.00E-47	123	132	93 +	1	132	121717	121848
UN56976	Rsa1.0.02851.1	722	27295	0	450	451	99 -	1	451	8083	8533
UN56977	Rsa1.0.00168.1	540	115870	1.00E-128	256	263	97 -	280	540	88712	88974

UN56978	Rsa1.0.01669.1	724	41286	1.00E-171	324	328	98 +	98	424	9237	9563
UN56979	Rsa1.0.00675.1	707	145590	6.00E-48	101	102	99 +	231	332	47534	47635
UN56980	Rsa1.0.01175.1	522	51674	0	516	522	98 +	1	522	38861	39382
UN56981	Rsa1.0.00333.1	291	94500	2.00E-39	86	87	98 -	140	226	80154	80240
UN56982	Rsa1.0.00931.1	701	59210	1.00E-125	261	269	97 +	1	265	21715	21982
UN56983	Rsa1.0.00017.1	484	752458	0	467	483	96 -	1	483	286107	286586
UN56984	Rsa1.0.01990.1	765	36431	0	761	766	99 +	2	765	32544	33308
UN56985	Rsa1.0.05217.1	599	142938	1.00E-171	307	308	99 +	2	309	129137	129444
UN56986	Rsa1.0.00115.1	561	131321	1.00E-147	359	383	93 -	2	378	68836	69211
UN56987	Rsa1.0.00427.1	561	189678	1.00E-101	202	207	97 -	248	454	10947	11153
UN56988	Rsa1.0.00020.1	231	283099	7.00E-76	174	184	94 -	1	184	92156	92339
UN56989	Rsa1.0.00059.1	722	159650	0	405	414	97 -	309	722	66822	67235
UN56990	Rsa1.0.00105.1	716	134138	1.00E-135	274	281	97 +	314	592	85009	85289
UN56991	Rsa1.0.00040.1	708	324196	0	568	609	93 -	101	706	240167	240758
UN56992	Rsa1.0.00078.1	164	175053	2.00E-59	152	164	92 +	1	164	130159	130322
UN56993	Rsa1.0.02682.1	690	28711	0	615	635	96 +	57	690	16904	17538
UN56994	Rsa1.0.03860.1	761	20407	0	684	728	93 -	42	761	13177	13904
UN56995	Rsa1.0.47030.1	759	481	3.00E-96	299	335	89 -	410	741	1	335
UN56996	Rsa1.0.03723.1	192	21173	1.00E-24	157	188	83 -	4	188	8420	8596
UN56997	Rsa1.0.00141.1	252	121494	1.00E-77	224	247	90 -	1	246	20836	21081
UN56998	Rsa1.0.02429.1	314	31527	1.00E-115	288	314	91 -	1	314	9981	10294
UN56999	Rsa1.0.00069.1	757	403561	0	477	502	95 -	1	494	13176	13676
UN57000	Rsa1.0.00293.1	784	339294	0	725	756	95 +	33	784	318457	319212
UN57001	Rsa1.0.00224.1	165	327530	6.00E-51	114	118	96 +	33	150	178520	178637
UN57002	Rsa1.0.00721.1	703	66918	1.00E-125	314	340	92 -	270	602	4442	4781
UN57003	Rsa1.0.00370.1	174	90472	6.00E-17	60	65	92 +	110	174	23323	23387
UN57004	Rsa1.0.00473.1	701	212204	3.00E-96	185	187	98 +	1	187	71451	71637
UN57005	Rsa1.0.00009.1	735	232558	8.00E-94	190	195	97 +	169	363	53747	53941
UN57006	Rsa1.0.00092.1	669	659932	1.00E-155	296	302	98 -	6	307	154977	155278
UN57007	Rsa1.0.00040.1	517	324196	0	493	525	93 +	2	517	296474	296993
UN57008	Rsa1.0.01364.1	203	47172	1.00E-67	192	215	89 +	1	203	43463	43677
UN57009	Rsa1.0.00055.1	565	520193	0	519	564	92 +	1	563	350348	350896
UN57010	Rsa1.0.00269.1	692	341668	0	649	687	94 -	6	692	48577	49249
UN57011	Rsa1.0.03926.1	559	20024	1.00E-24	161	195	82 +	181	375	18798	18992
UN57012	Rsa1.0.05937.1	746	12175	0	687	707	97 +	40	746	1616	2322
UN57013	Rsa1.0.00883.1	195	61230	1.00E-49	155	172	90 -	1	171	54391	54562
UN57014	Rsa1.0.01540.1	193	151890	4.00E-77	177	187	94 +	1	183	128012	128198
UN57015	Rsa1.0.01645.1	300	41748	1.00E-101	286	314	91 +	1	300	16600	16907
UN57016	Rsa1.0.01010.1	400	56906	3.00E-67	151	158	95 +	1	158	15754	15911

UN57017	Rsa1.0.03883.1	426	20282	0	413	432	95 -	1	426	10111	10542
UN57018	Rsa1.0.00627.1	477	71566	5.00E-91	198	207	95 -	1	207	63670	63872
UN57019	Rsa1.0.00008.1	552	358124	1.00E-101	247	264	93 +	10	268	245396	245658
UN57020	Rsa1.0.00150.1	142	154416	1.00E-33	97	105	92 -	38	142	151654	151758
UN57021	Rsa1.0.00571.1	707	329018	3.00E-84	165	167	98 +	310	476	41922	42088
UN57022	Rsa1.0.00667.1	767	69460	1.00E-135	321	346	92 +	409	753	51311	51649
UN57023	Rsa1.0.01843.1	711	265131	0	693	707	98 +	3	704	25016	25722
UN57024	Rsa1.0.04131.1	682	18923	0	358	361	99 +	324	682	1385	1745
UN57025	Rsa1.0.03304.1	709	23883	0	377	390	96 +	2	391	18298	18687
UN57026	Rsa1.0.00038.1	268	314568	1.00E-112	214	217	98 +	1	217	8423	8639
UN57027	Rsa1.0.19044.1	820	1490	0	795	833	95 +	2	815	233	1063
UN57028	Rsa1.0.05818.1	661	12544	0	347	354	98 -	219	572	9428	9781
UN57029	Rsa1.0.08325.1	602	7536	0	591	599	98 -	3	601	4654	5248
UN57030	Rsa1.0.00002.1	696	601661	0	372	379	98 +	3	381	281960	282338
UN57031	Rsa1.0.02680.1	799	28721	0	751	784	95 +	1	782	18117	18899
UN57032	Rsa1.0.01259.1	758	49754	0	488	496	98 -	1	494	41601	42096
UN57033	Rsa1.0.00012.1	502	222148	1.00E-178	339	344	98 -	161	502	51714	52057
UN57034	Rsa1.0.00055.1	788	520193	0	623	652	95 +	82	729	64727	65377
UN57035	Rsa1.0.14347.1	618	3490	1.00E-155	319	333	95 +	25	357	520	852
UN57036	Rsa1.0.00152.1	718	257730	0	484	511	94 -	216	718	251174	251678
UN57037	Rsa1.0.01538.1	439	43733	1.00E-104	192	192	100 -	248	439	7705	7896
UN57038	Rsa1.0.02923.1	435	26736	0	378	395	95 +	5	385	7945	8337
UN57039	Rsa1.0.00079.1	631	606987	0	599	627	95 +	1	627	540409	541035
UN57040	Rsa1.0.00418.1	689	215377	0	676	696	97 -	1	689	68253	68948
UN57041	Rsa1.0.00066.1	803	152418	1.00E-180	342	348	98 -	25	371	73601	73948
UN57042	Rsa1.0.25445.1	583	935	1.00E-140	252	252	100 +	332	583	1	252
UN57043	Rsa1.0.63101.1	584	364	4.00E-55	146	156	93 -	387	539	21	175
UN57044	Rsa1.0.00131.1	643	432233	1.00E-140	274	281	97 -	363	643	188545	188825
UN57045	Rsa1.0.02415.1	645	31609	0	545	562	96 -	9	570	27010	27565
UN57046	Rsa1.0.01449.1	772	45570	0	581	592	98 +	2	593	12568	13159
UN57047	Rsa1.0.00576.1	763	178949	0	418	439	95 +	162	600	63282	63720
UN57048	Rsa1.0.06555.1	743	10794	0	700	750	93 -	2	743	6619	7360
UN57049	Rsa1.0.00720.1	733	66931	0	370	377	98 +	361	733	2953	3329
UN57050	Rsa1.0.00467.1	803	156542	0	443	445	99 +	56	500	143234	143678
UN57051	Rsa1.0.00990.1	485	57445	0	445	470	94 -	4	461	47470	47936
UN57052	Rsa1.0.00305.1	179	97308	5.00E-33	91	97	93 -	1	93	17531	17627
UN57053	Rsa1.0.00095.1	721	283384	1.00E-156	327	340	96 -	20	358	41813	42151
UN57054	Rsa1.0.00188.1	478	112020	0	445	480	92 -	3	478	96268	96735
UN57055	Rsa1.0.00001.1	415	363028	1.00E-167	315	321	98 +	94	414	35996	36316

UN57056	Rsa1.0.00025.1	725	277312	0	568	583	97 +	124	702	264675	265257
UN57057	Rsa1.0.00423.1	712	86138	0	694	709	97 -	2	708	67006	67713
UN57058	Rsa1.0.00015.1	636	561803	1.00E-122	271	287	94 -	350	636	332514	332800
UN57059	Rsa1.0.08986.1	834	6733	1.00E-142	281	288	97 +	181	468	5027	5313
UN57060	Rsa1.0.00690.1	746	140527	6.00E-79	168	174	96 -	483	656	26603	26776
UN57061	Rsa1.0.00042.1	704	171507	1.00E-163	371	398	93 -	273	658	102644	103041
UN57062	Rsa1.0.23843.1	668	1022	1.00E-160	359	382	93 +	290	661	338	717
UN57063	Rsa1.0.03269.1	735	24196	1.00E-120	302	332	90 +	416	735	11786	12117
UN57064	Rsa1.0.04460.1	775	17250	0	712	728	97 -	47	773	16359	17086
UN57065	Rsa1.0.66921.1	152	343	4.00E-61	119	119	100 +	34	152	1	119
UN57066	Rsa1.0.00892.1	642	60703	0	633	641	98 +	3	642	52458	53097
UN57067	Rsa1.0.00585.1	677	74164	1.00E-172	307	307	100 -	367	673	12743	13049
UN57068	Rsa1.0.03325.1	666	23720	3.00E-62	122	122	100 -	438	559	15074	15195
UN57069	Rsa1.0.34899.1	741	648	0	415	434	95 -	295	726	1	434
UN57070	Rsa1.0.09084.1	165	6660	9.00E-84	164	165	99 -	1	165	1034	1197
UN57071	Rsa1.0.01649.1	526	41624	5.00E-51	115	119	96 +	7	125	40865	40983
UN57072	Rsa1.0.00942.1	701	58873	0	392	401	97 -	301	701	5088	5488
UN57073	Rsa1.0.00434.1	678	85171	1.00E-119	226	229	98 +	450	678	13937	14165
UN57074	Rsa1.0.03625.1	307	21692	1.00E-147	292	299	97 -	10	307	19580	19877
UN57075	Rsa1.0.00911.1	648	59943	0	621	654	94 +	1	648	54755	55408
UN57076	Rsa1.0.00016.1	739	831256	0	619	629	98 -	113	739	543296	543924
UN57077	Rsa1.0.03664.1	694	21487	1.00E-148	331	352	94 -	90	438	4808	5159
UN57078	Rsa1.0.00241.1	688	104000	0	671	688	97 +	2	688	89026	89713
UN57079	Rsa1.0.00034.1	722	260119	0	565	576	98 +	2	571	8445	9020
UN57080	Rsa1.0.00678.1	704	193163	0	508	518	98 -	3	518	177259	177774
UN57081	Rsa1.0.01704.1	714	40711	1.00E-153	344	366	93 +	343	707	38291	38656
UN57082	Rsa1.0.00243.1	727	103651	1.00E-111	242	254	95 -	418	668	88205	88458
UN57083	Rsa1.0.09164.1	705	6595	0	401	410	97 +	4	413	6186	6595
UN57084	Rsa1.0.18603.1	381	1566	1.00E-158	346	363	95 +	19	381	766	1125
UN57085	Rsa1.0.03283.1	527	24089	1.00E-149	267	267	100 +	3	269	23691	23957
UN57086	Rsa1.0.00016.1	648	831256	0	430	456	94 +	187	639	650571	651026
UN57087	Rsa1.0.01953.1	657	36881	7.00E-63	153	163	93 +	352	514	28181	28343
UN57088	Rsa1.0.00838.1	651	153820	0	496	513	96 +	137	649	49065	49577
UN57089	Rsa1.0.09152.1	738	6607	7.00E-48	143	158	90 -	258	415	1438	1595
UN57090	Rsa1.0.01137.1	734	52655	0	371	384	96 -	1	380	7111	7494
UN57091	Rsa1.0.01140.1	251	52586	1.00E-89	174	175	99 -	9	183	33597	33770
UN57092	Rsa1.0.00296.1	213	97854	8.00E-51	124	130	95 -	1	129	71472	71601
UN57093	Rsa1.0.04516.1	467	17018	1.00E-140	286	297	96 -	171	467	16637	16933
UN57094	Rsa1.0.01296.1	685	49035	9.00E-78	154	156	98 -	339	494	10542	10697

UN57095	Rsa1.0.00221.1	372	106972	1.00E-129	294	315	93 -	60	372	51633	51937
UN57096	Rsa1.0.00920.1	640	601703	0	335	338	99 -	184	521	12300	12637
UN57097	Rsa1.0.01573.1	597	42964	0	559	579	96 -	20	597	13617	14194
UN57098	Rsa1.0.03662.1	696	21492	1.00E-110	346	394	87 +	111	503	1411	1780
UN57099	Rsa1.0.04981.1	107	15250	7.00E-34	97	101	96 +	7	107	1555	1652
UN57100	Rsa1.0.02016.1	723	36003	5.00E-95	199	205	97 -	106	309	7714	7918
UN57101	Rsa1.0.01600.1	335	42537	1.00E-102	234	245	95 -	89	333	8753	8994
UN57102	Rsa1.0.32300.1	700	705	3.00E-96	179	179	100 -	195	373	1	179
UN57103	Rsa1.0.00336.1	733	445051	3.00E-93	189	194	97 +	341	534	217848	218041
UN57104	Rsa1.0.00821.1	476	62891	0	418	421	99 +	56	476	53196	53614
UN57105	Rsa1.0.02505.1	699	30703	1.00E-160	403	442	91 -	172	613	3915	4356
UN57106	Rsa1.0.04651.1	632	16516	6.00E-48	110	114	96 -	413	526	10962	11075
UN57107	Rsa1.0.01036.1	518	55978	1.00E-119	258	266	96 -	257	518	26492	26757
UN57108	Rsa1.0.00114.1	183	131330	2.00E-47	105	108	97 +	49	156	21268	21375
UN57109	Rsa1.0.00421.1	374	86365	1.00E-81	218	236	92 +	4	229	47993	48228
UN57110	Rsa1.0.01182.1	662	167304	0	628	665	94 +	2	648	3359	4014
UN57111	Rsa1.0.00269.1	712	341668	0	664	699	94 -	13	710	1551	2240
UN57112	Rsa1.0.04910.1	564	15484	1.00E-162	326	337	96 +	3	339	9169	9504
UN57113	Rsa1.0.02124.1	201	34780	2.00E-41	89	90	98 -	3	92	18632	18721
UN57114	Rsa1.0.13820.1	773	4264	2.00E-76	335	396	84 -	28	420	1501	1895
UN57115	Rsa1.0.02402.1	798	31710	0	456	477	95 -	3	474	30606	31079
UN57116	Rsa1.0.00039.1	675	296927	0	567	596	95 -	78	669	11857	12448
UN57117	Rsa1.0.00017.1	397	752458	3.00E-95	199	205	97 +	191	395	331105	331303
UN57118	Rsa1.0.29871.1	710	769	1.00E-107	221	226	97 +	422	645	1	226
UN57119	Rsa1.0.00398.1	630	88007	4.00E-98	234	250	93 +	378	626	63012	63261
UN57120	Rsa1.0.03122.1	721	25207	0	701	726	96 +	3	721	21603	22326
UN57121	Rsa1.0.03387.1	487	23278	0	442	473	93 +	18	487	358	830
UN57122	Rsa1.0.00414.1	675	202190	1.00E-175	352	365	96 -	1	365	197259	197620
UN57123	Rsa1.0.01064.1	729	55295	0	506	548	92 -	1	547	1	530
UN57124	Rsa1.0.00387.1	685	495407	0	506	525	96 +	166	685	17196	17720
UN57125	Rsa1.0.00043.1	663	264937	0	548	570	96 +	98	659	7016	7579
UN57126	Rsa1.0.01176.1	528	51638	1.00E-129	279	290	96 +	215	503	27291	27578
UN57127	Rsa1.0.06395.1	680	11096	0	674	679	99 +	2	680	9499	10177
UN57128	Rsa1.0.03569.1	730	22041	1.00E-126	239	242	98 -	79	320	14787	15028
UN57129	Rsa1.0.02118.1	573	34839	1.00E-113	245	256	95 -	4	258	10008	10263
UN57130	Rsa1.0.00322.1	734	212233	6.00E-79	150	150	100 -	157	306	85025	85174
UN57131	Rsa1.0.02557.1	791	30127	0	760	799	95 +	2	791	5242	6040
UN57132	Rsa1.0.01420.1	769	46210	4.00E-68	180	192	93 -	3	193	37756	37945
UN57133	Rsa1.0.01208.1	765	50718	0	521	573	90 -	15	587	9393	9958

UN57134	Rsa1.0.00725.1	780	66757	0	544	591	92 +	78	668	43146	43718
UN57135	Rsa1.0.00670.1	702	69371	1.00E-115	228	234	97 +	2	235	7600	7833
UN57136	Rsa1.0.00079.1	761	606987	0	506	515	98 -	2	514	24821	25335
UN57137	Rsa1.0.01140.1	355	52586	1.00E-93	174	174	100 +	181	354	46500	46673
UN57138	Rsa1.0.04816.1	772	15872	1.00E-132	256	259	98 +	512	768	7702	7960
UN57139	Rsa1.0.00679.1	691	68971	0	592	610	97 -	2	608	27104	27713
UN57140	Rsa1.0.00123.1	811	325650	1.00E-119	226	229	98 +	265	493	234211	234439
UN57141	Rsa1.0.02950.1	776	26506	1.00E-126	266	278	95 -	430	707	6575	6852
UN57142	Rsa1.0.05366.1	802	14036	1.00E-125	266	280	95 +	2	268	1113	1392
UN57143	Rsa1.0.00145.1	770	261008	0	753	765	98 +	2	759	55591	56355
UN57144	Rsa1.0.00873.1	687	61459	1.00E-157	290	293	98 -	3	295	60916	61208
UN57145	Rsa1.0.00063.1	521	156150	0	507	521	97 -	4	521	6422	6942
UN57146	Rsa1.0.00678.1	703	193163	0	697	702	99 -	3	703	155429	156130
UN57147	Rsa1.0.01409.1	846	151595	3.00E-75	150	152	98 -	2	153	127542	127693
UN57148	Rsa1.0.07201.1	597	9732	0	390	391	99 -	1	391	159	549
UN57149	Rsa1.0.01889.1	740	37562	0	417	417	100 +	3	419	8160	8576
UN57150	#	#	#	#	#	#	#	#	#	#	#
UN57151	Rsa1.0.03688.1	735	143676	1.00E-86	163	163	100 -	17	179	16485	16647
UN57152	Rsa1.0.00101.1	735	267193	0	653	707	92 -	32	733	103766	104469
UN57153	Rsa1.0.10407.1	556	5858	0	540	544	99 +	3	546	1443	1986
UN57154	Rsa1.0.00136.1	413	122464	1.00E-114	268	284	94 -	132	413	112163	112445
UN57155	Rsa1.0.01041.1	467	55910	0	365	371	98 -	97	467	32065	32434
UN57156	Rsa1.0.01408.1	695	46383	0	524	544	96 -	153	695	17115	17658
UN57157	Rsa1.0.02221.1	654	33796	1.00E-140	279	288	96 -	205	492	18658	18945
UN57158	Rsa1.0.00140.1	731	121541	0	604	626	96 -	106	731	89583	90195
UN57159	Rsa1.0.01416.1	774	46262	4.00E-83	166	169	98 +	348	516	15129	15297
UN57160	Rsa1.0.01331.1	284	47944	2.00E-55	236	278	84 +	7	284	38794	39066
UN57161	Rsa1.0.23487.1	702	1045	1.00E-150	297	305	97 +	399	702	263	567
UN57162	Rsa1.0.00120.1	699	277288	0	597	625	95 +	1	622	85286	85910
UN57163	Rsa1.0.00159.1	767	431686	1.00E-100	204	210	97 -	214	423	353539	353748
UN57164	Rsa1.0.00205.1	614	193401	6.00E-14	53	57	92 +	28	84	151310	151366
UN57165	Rsa1.0.35641.1	782	635	2.00E-97	187	189	98 -	565	753	351	539
UN57166	Rsa1.0.00529.1	746	77487	1.00E-133	288	304	94 -	1	297	54541	54840
UN57167	Rsa1.0.01965.1	743	36698	0	401	410	97 +	11	420	3518	3927
UN57168	Rsa1.0.01274.1	356	49419	2.00E-77	200	215	93 +	144	356	21348	21557
UN57169	Rsa1.0.00111.1	707	390088	0	679	727	93 +	2	707	60499	61213
UN57170	Rsa1.0.02282.1	645	163951	0	629	648	97 +	2	645	143838	144484
UN57171	Rsa1.0.00601.1	700	177045	2.00E-72	165	173	95 -	44	213	143839	144011
UN57172	Rsa1.0.05812.1	683	12571	0	440	441	99 +	3	443	3959	4399

UN57173	Rsa1.0_00659.1	713	69733	1.00E-124	320	350	91 +	364	710	55176	55502
UN57174	Rsa1.0_00456.1	787	82826	0	486	521	93 +	276	781	18300	18812
UN57175	Rsa1.0_09994.1	515	6046	0	486	496	97 +	20	513	3049	3541
UN57176	#	#	#	#	#	#	#	#	#	#	#
UN57177	Rsa1.0_00559.1	774	190486	2.00E-94	474	563	84 -	95	654	182166	182722
UN57178	Rsa1.0_00196.1	592	109960	1.00E-147	305	318	95 +	38	355	68435	68749
UN57179	Rsa1.0_05036.1	800	15058	0	727	751	96 +	46	786	13189	13936
UN57180	Rsa1.0_00363.1	802	90968	0	353	353	100 +	178	530	21396	21748
UN57181	Rsa1.0_00108.1	663	478491	1.00E-152	272	272	100 +	22	293	142976	143247
UN57182	Rsa1.0_00064.1	509	240927	0	390	407	95 +	104	508	215957	216359
UN57183	Rsa1.0_00876.1	709	61328	0	682	714	95 -	2	709	21947	22660
UN57184	Rsa1.0_00001.1	129	363028	1.00E-60	121	122	99 +	1	122	40847	40968
UN57185	Rsa1.0_00529.1	807	77487	1.00E-92	211	223	94 +	5	227	1856	2075
UN57186	Rsa1.0_02643.1	581	29176	1.00E-180	359	371	96 -	211	581	25802	26171
UN57187	Rsa1.0_09383.1	685	6407	1.00E-160	308	314	98 -	373	685	5246	5559
UN57188	Rsa1.0_00464.1	832	82253	0	408	420	97 +	411	828	46862	47281
UN57189	Rsa1.0_03452.1	799	22817	0	616	633	97 +	175	799	2139	2771
UN57190	Rsa1.0_03706.1	751	21255	1.00E-117	224	227	98 +	525	751	12268	12494
UN57191	Rsa1.0_01078.1	137	316910	4.00E-39	91	94	96 +	1	94	131736	131829
UN57192	Rsa1.0_00188.1	542	112020	0	383	388	98 -	156	542	86745	87132
UN57193	Rsa1.0_19019.1	673	1494	0	507	517	98 +	3	519	739	1251
UN57194	Rsa1.0_00001.1	644	363028	0	607	651	93 -	10	644	77999	78646
UN57195	Rsa1.0_01235.1	818	50180	1.00E-114	209	209	100 -	430	638	23613	23821
UN57196	Rsa1.0_01667.1	764	41315	0	358	365	98 +	401	764	32932	33296
UN57197	Rsa1.0_03810.1	655	20727	1.00E-137	364	398	91 +	11	393	19855	20247
UN57198	Rsa1.0_00999.1	720	57162	0	352	356	98 +	366	720	24328	24683
UN57199	Rsa1.0_01212.1	720	50622	1.00E-116	215	216	99 -	502	717	604	819
UN57200	Rsa1.0_02429.1	562	31527	1.00E-128	287	305	94 +	264	562	12869	13170
UN57201	Rsa1.0_02915.1	488	26813	1.00E-139	263	267	98 -	222	488	24984	25250
UN57202	#	#	#	#	#	#	#	#	#	#	#
UN57203	Rsa1.0_03077.1	201	25558	1.00E-101	199	202	98 -	1	201	17629	17830
UN57204	Rsa1.0_03400.1	655	23203	0	499	515	96 +	141	655	14669	15181
UN57205	Rsa1.0_02707.1	675	28520	1.00E-132	272	281	96 +	396	675	11082	11359
UN57206	Rsa1.0_11762.1	346	5416	0	346	346	100 +	1	346	3556	3901
UN57207	Rsa1.0_00552.1	209	206757	2.00E-60	150	157	95 +	2	155	45274	45429
UN57208	Rsa1.0_08434.1	625	7362	1.00E-100	222	233	95 +	308	539	3497	3729
UN57209	Rsa1.0_02003.1	620	36171	1.00E-110	206	207	99 +	183	389	15191	15397
UN57210	Rsa1.0_00163.1	732	116847	1.00E-107	217	222	97 +	72	292	82070	82291
UN57211	Rsa1.0_00513.1	710	78579	1.00E-61	164	177	92 -	520	695	8194	8370

UN57212	Rsa1.0.00740.1	729	215972	0	455	469	97 +	146	611	34237	34705
UN57213	Rsa1.0.00251.1	651	303968	1.00E-39	90	92	97 -	504	595	56705	56796
UN57214	Rsa1.0.01965.1	680	36698	3.00E-68	139	140	99 +	453	592	7918	8056
UN57215	Rsa1.0.02345.1	704	32337	1.00E-107	249	261	95 +	284	541	11558	11816
UN57216	Rsa1.0.02036.1	455	35731	0	448	457	98 -	1	455	12369	12825
UN57217	Rsa1.0.00772.1	743	64856	1.00E-73	219	245	89 -	437	681	36472	36716
UN57218	Rsa1.0.01075.1	569	156953	0	568	568	100 -	2	569	143579	144146
UN57219	Rsa1.0.00679.1	745	68971	1.00E-98	195	199	97 +	161	359	33672	33870
UN57220	Rsa1.0.00796.1	654	63997	0	633	651	97 -	3	650	21606	22253
UN57221	Rsa1.0.13433.1	655	4832	1.00E-119	275	294	93 +	3	296	2067	2360
UN57222	Rsa1.0.05999.1	766	11984	0	732	759	96 -	4	762	2658	3416
UN57223	Rsa1.0.08114.1	695	7883	0	390	404	96 +	289	687	6163	6566
UN57224	Rsa1.0.00757.1	633	65559	0	448	457	98 -	177	633	12680	13134
UN57225	Rsa1.0.00389.1	726	88795	1.00E-177	329	334	98 -	3	336	66337	66670
UN57226	Rsa1.0.00207.1	751	248736	1.00E-159	354	377	93 -	9	385	53823	54199
UN57227	Rsa1.0.00417.1	765	395068	1.00E-178	343	352	97 -	3	354	14475	14826
UN57228	Rsa1.0.01481.1	671	184562	1.00E-123	225	225	100 -	1	225	182559	182783
UN57229	Rsa1.0.00012.1	711	222148	3.00E-90	273	308	88 +	208	509	86930	87222
UN57230	Rsa1.0.00732.1	583	66631	1.00E-73	151	153	98 +	333	484	43832	43984
UN57231	Rsa1.0.00798.1	594	63945	1.00E-103	237	249	95 -	44	287	40993	41241
UN57232	Rsa1.0.02269.1	705	33168	0	665	692	96 +	1	690	29892	30581
UN57233	Rsa1.0.02855.1	674	27271	0	373	387	96 +	288	674	10684	11070
UN57234	Rsa1.0.02881.1	820	27041	0	786	820	95 +	6	820	20816	21633
UN57235	Rsa1.0.12420.1	794	5230	0	423	443	95 +	347	786	1647	2087
UN57236	Rsa1.0.03074.1	768	25568	0	768	769	99 -	1	768	19717	20485
UN57237	Rsa1.0.01232.1	550	155185	1.00E-135	297	311	95 -	242	550	153425	153733
UN57238	Rsa1.0.01112.1	672	310601	1.00E-101	235	250	94 -	234	480	156216	156465
UN57239	Rsa1.0.08265.1	707	7630	1.00E-43	114	118	96 -	594	707	6941	7058
UN57240	Rsa1.0.03044.1	655	25791	1.00E-103	269	295	91 -	206	497	15710	15992
UN57241	Rsa1.0.02668.1	646	28895	0	365	373	97 +	269	641	3600	3968
UN57242	Rsa1.0.03297.1	767	23969	1.00E-92	283	319	88 +	454	767	3924	4224
UN57243	Rsa1.0.00594.1	637	73729	4.00E-95	195	201	97 -	420	620	23932	24132
UN57244	Rsa1.0.00080.1	307	190437	1.00E-99	187	188	99 -	120	307	96018	96205
UN57245	Rsa1.0.05340.1	788	14110	0	768	782	98 -	1	780	4251	5031
UN57246	Rsa1.0.40929.1	476	549	1.00E-113	226	232	97 +	2	233	318	549
UN57247	Rsa1.0.33701.1	626	673	0	388	393	98 -	1	392	5	397
UN57248	Rsa1.0.00816.1	464	403350	1.00E-143	266	269	98 -	1	269	363549	363817
UN57249	Rsa1.0.45676.1	656	494	2.00E-97	184	185	99 -	34	218	310	494
UN57250	Rsa1.0.02931.1	448	26654	7.00E-90	187	193	96 -	256	448	1080	1268

UN57251	Rsa1.0.00017.1	670	752458	2.00E-84	195	207	94 -	113	319	644525	644731
UN57252	Rsa1.0.08259.1	778	7641	4.00E-68	138	140	98 +	507	646	6229	6368
UN57253	Rsa1.0.00602.1	157	73302	3.00E-65	151	159	94 +	3	157	46776	46934
UN57254	Rsa1.0.04039.1	712	19467	0	664	702	94 -	10	710	9329	10029
UN57255	Rsa1.0.00048.1	613	167185	1.00E-127	267	279	95 +	292	570	35395	35673
UN57256	Rsa1.0.05559.1	694	13329	6.00E-48	208	244	85 +	279	519	7415	7658
UN57257	Rsa1.0.02406.1	622	145276	1.00E-111	207	208	99 -	415	622	7595	7802
UN57258	Rsa1.0.03215.1	398	24551	8.00E-77	152	154	98 -	140	293	8512	8665
UN57259	Rsa1.0.00577.1	629	174827	4.00E-89	191	199	95 +	399	597	117952	118150
UN57260	Rsa1.0.08192.1	734	7762	8.00E-97	219	231	94 +	494	717	6351	6581
UN57261	Rsa1.0.00207.1	669	248736	1.00E-114	248	260	95 -	2	259	241562	241821
UN57262	Rsa1.0.05611.1	673	13193	0	420	431	97 -	1	431	10175	10602
UN57263	Rsa1.0.02385.1	749	31907	0	610	624	97 -	1	624	11441	12064
UN57264	Rsa1.0.01411.1	736	46326	0	581	593	97 +	3	592	10107	10698
UN57265	Rsa1.0.00369.1	321	266462	1.00E-108	228	238	95 -	89	321	146305	146542
UN57266	Rsa1.0.05002.1	783	15173	1.00E-86	181	187	96 -	385	571	8410	8596
UN57267	Rsa1.0.07651.1	750	8929	0	731	739	98 -	4	741	7661	8399
UN57268	Rsa1.0.00278.1	724	231896	0	459	460	99 -	2	461	84030	84489
UN57269	Rsa1.0.00349.1	747	92621	1.00E-120	226	227	99 -	3	228	53759	53985
UN57270	Rsa1.0.05076.1	620	14916	0	361	365	98 -	1	365	4033	4397
UN57271	Rsa1.0.02258.1	655	33307	1.00E-139	251	251	100 -	3	253	26139	26389
UN57272	Rsa1.0.00528.1	723	164755	2.00E-76	185	198	93 +	6	203	142460	142657
UN57273	Rsa1.0.49559.1	531	457	1.00E-14	69	78	88 +	92	169	297	374
UN57274	Rsa1.0.04504.1	627	17069	0	597	634	94 -	3	627	9980	10593
UN57275	Rsa1.0.00593.1	360	143463	1.00E-107	213	217	98 -	2	218	44942	45157
UN57276	Rsa1.0.01629.1	723	41917	1.00E-148	272	274	99 -	260	533	17966	18239
UN57277	Rsa1.0.00248.1	771	163568	7.00E-88	180	185	97 +	332	516	70838	71022
UN57278	Rsa1.0.01731.1	711	40208	3.00E-87	170	172	98 +	53	224	27535	27706
UN57279	Rsa1.0.15420.1	719	2614	0	370	381	97 +	2	382	1520	1900
UN57280	Rsa1.0.00053.1	727	263459	1.00E-89	238	262	90 +	2	263	82951	83200
UN57281	Rsa1.0.00078.1	259	175053	5.00E-34	122	139	87 -	66	196	39124	39262
UN57282	Rsa1.0.00562.1	678	75565	0	511	541	94 +	131	670	18141	18681
UN57283	Rsa1.0.00004.1	695	253996	1.00E-166	490	556	88 -	10	556	205841	206391
UN57284	Rsa1.0.00464.1	401	82253	1.00E-131	260	265	98 -	139	401	28863	29127
UN57285	Rsa1.0.00522.1	762	78103	0	467	488	95 -	278	762	46043	46530
UN57286	Rsa1.0.00701.1	805	67691	2.00E-76	190	207	91 +	3	209	21346	21540
UN57287	Rsa1.0.09269.1	700	6514	1.00E-116	250	256	97 +	447	698	1082	1336
UN57288	Rsa1.0.03381.1	623	23306	0	353	353	100 -	200	552	17096	17448
UN57289	Rsa1.0.24517.1	700	984	2.00E-91	180	183	98 +	491	673	799	981

UN57290	Rsa1.0.00542.1	698	76831	1.00E-137	262	267	98 -	33	299	27325	27591
UN57291	Rsa1.0.00171.1	696	115622	1.00E-104	226	235	96 -	465	696	92586	92820
UN57292	Rsa1.0.00713.1	794	158017	1.00E-173	338	346	97 +	3	344	5913	6258
UN57293	Rsa1.0.00085.1	840	142226	1.00E-133	256	261	98 +	1	261	22138	22398
UN57294	Rsa1.0.00065.1	758	454616	1.00E-98	186	187	99 -	353	539	224997	225183
UN57295	Rsa1.0.00027.1	757	283362	1.00E-158	334	351	95 +	6	356	151068	151418
UN57296	Rsa1.0.01955.1	720	36850	0	553	566	97 -	103	666	19109	19671
UN57297	Rsa1.0.15140.1	262	2804	2.00E-45	105	109	96 +	101	209	1097	1205
UN57298	Rsa1.0.00705.1	710	67505	2.00E-60	125	127	98 -	458	584	18096	18222
UN57299	Rsa1.0.00101.1	719	267193	0	656	713	92 -	20	715	195685	196393
UN57300	Rsa1.0.02521.1	783	30562	0	733	750	97 -	2	748	21904	22647
UN57301	Rsa1.0.00391.1	609	183853	5.00E-73	163	170	95 -	192	361	48165	48331
UN57302	Rsa1.0.00759.1	711	65465	1.00E-164	376	405	92 -	291	691	25337	25726
UN57303	Rsa1.0.00092.1	735	659932	1.00E-160	298	302	98 +	246	547	13028	13329
UN57304	Rsa1.0.03842.1	799	20503	0	703	738	95 +	3	737	7417	8139
UN57305	Rsa1.0.10240.1	692	5927	0	531	559	94 -	2	554	5152	5696
UN57306	Rsa1.0.00160.1	731	346678	0	384	395	97 +	116	510	2224	2618
UN57307	Rsa1.0.01882.1	718	37697	0	403	414	97 -	10	422	9325	9738
UN57308	Rsa1.0.01058.1	718	55430	1.00E-125	228	228	100 +	491	718	17805	18032
UN57309	Rsa1.0.00696.1	586	68010	0	529	550	96 +	28	576	10928	11477
UN57310	Rsa1.0.03778.1	569	20908	1.00E-79	243	275	88 +	14	279	8253	8527
UN57311	Rsa1.0.00399.1	741	242951	0	700	720	97 +	3	716	16378	17094
UN57312	Rsa1.0.00101.1	727	267193	5.00E-67	412	506	81 +	141	646	25131	25636
UN57313	Rsa1.0.00457.1	678	337301	1.00E-134	294	311	94 +	6	316	294101	294411
UN57314	Rsa1.0.07805.1	743	8510	0	420	424	99 +	3	426	5179	5602
UN57315	Rsa1.0.00141.1	692	121494	1.00E-166	348	365	95 -	96	460	32098	32462
UN57316	Rsa1.0.01186.1	734	51418	1.00E-135	251	252	99 +	479	729	3230	3481
UN57317	Rsa1.0.00050.1	766	237174	0	553	560	98 -	210	763	235650	236209
UN57318	Rsa1.0.00018.1	771	410899	1.00E-127	255	263	96 -	3	265	106206	106468
UN57319	Rsa1.0.00439.1	768	142776	0	421	424	99 +	148	571	20475	20898
UN57320	Rsa1.0.00107.1	813	431659	0	343	345	99 -	115	459	149213	149557
UN57321	Rsa1.0.04482.1	665	17175	1.00E-89	212	224	94 -	25	246	10704	10922
UN57322	Rsa1.0.08564.1	682	7193	0	570	576	98 +	107	682	3581	4156
UN57323	Rsa1.0.00340.1	728	305782	1.00E-80	165	169	97 -	303	471	137455	137623
UN57324	Rsa1.0.00507.1	692	79074	0	606	616	98 +	77	692	69841	70454
UN57325	Rsa1.0.00006.1	751	396176	1.00E-143	288	298	96 +	68	365	92561	92858
UN57326	Rsa1.0.00039.1	464	296927	0	452	467	96 -	1	464	21881	22347
UN57327	Rsa1.0.03543.1	778	22185	1.00E-106	271	296	91 -	2	295	19953	20231
UN57328	Rsa1.0.02397.1	671	31778	1.00E-163	310	316	98 -	344	659	7758	8073

UN57329	Rsa1.0.02026.1	653	35896	1.00E-119	218	218	100 -	17	234	9114	9331
UN57330	Rsa1.0.00278.1	737	231896	0	373	376	99 +	249	624	58615	58990
UN57331	Rsa1.0.04249.1	779	18269	5.00E-58	127	131	96 +	501	631	3581	3711
UN57332	Rsa1.0.34246.1	171	661	1.00E-51	103	103	100 +	6	108	390	492
UN57333	Rsa1.0.01707.1	783	40686	1.00E-144	345	363	95 -	401	755	25856	26218
UN57334	Rsa1.0.02071.1	700	35409	0	577	631	91 -	39	660	5185	5794
UN57335	Rsa1.0.00214.1	457	107508	1.00E-114	231	237	97 +	193	428	64898	65134
UN57336	Rsa1.0.34449.1	707	657	6.00E-85	169	172	98 +	372	543	1	172
UN57337	Rsa1.0.01299.1	709	162028	1.00E-172	427	466	91 -	4	469	140777	141241
UN57338	Rsa1.0.00398.1	417	88007	0	394	416	94 -	2	417	70692	71107
UN57339	Rsa1.0.01149.1	715	160459	1.00E-120	241	247	97 +	470	715	43118	43364
UN57340	Rsa1.0.00119.1	174	467509	2.00E-53	116	118	98 -	58	174	229267	229384
UN57341	Rsa1.0.65870.1	655	348	1.00E-132	245	247	99 +	148	394	1	247
UN57342	Rsa1.0.00140.1	691	121541	1.00E-113	278	297	93 -	394	684	31126	31421
UN57343	Rsa1.0.04209.1	579	18442	0	503	510	98 -	31	540	17933	18442
UN57344	Rsa1.0.00030.1	753	250988	0	431	436	98 +	169	604	1646	2081
UN57345	Rsa1.0.60013.1	394	381	1.00E-176	330	336	98 +	59	394	1	336
UN57346	Rsa1.0.05616.1	683	13188	0	673	692	97 +	1	678	4287	4978
UN57347	Rsa1.0.02756.1	236	28202	3.00E-69	143	145	98 +	93	236	18849	18993
UN57348	Rsa1.0.05688.1	712	12931	0	704	716	98 +	2	712	11095	11810
UN57349	Rsa1.0.01216.1	719	50580	0	387	399	96 +	5	400	39305	39703
UN57350	Rsa1.0.53768.1	150	424	1.00E-76	145	145	100 +	3	147	43	187
UN57351	Rsa1.0.00472.1	658	398134	0	452	455	99 +	204	658	292065	292519
UN57352	Rsa1.0.01881.1	706	37721	0	457	469	97 -	240	706	8184	8652
UN57353	Rsa1.0.00785.1	739	64356	0	456	469	97 -	4	472	27723	28185
UN57354	Rsa1.0.07877.1	162	8373	1.00E-24	98	110	89 +	3	107	5667	5775
UN57355	Rsa1.0.03009.1	605	26065	1.00E-135	347	376	92 +	3	368	6154	6524
UN57356	Rsa1.0.01111.1	732	53669	1.00E-135	272	281	96 -	171	451	11408	11688
UN57357	Rsa1.0.00625.1	723	71672	0	686	724	94 +	4	723	26547	27264
UN57358	Rsa1.0.05784.1	748	12643	1.00E-109	200	200	100 +	14	213	7152	7351
UN57359	Rsa1.0.11048.1	636	5634	1.00E-107	364	421	86 +	235	636	28	448
UN57360	Rsa1.0.00208.1	760	108565	0	753	760	99 -	1	756	86339	87098
UN57361	Rsa1.0.02891.1	661	27010	3.00E-74	142	142	100 +	14	155	1346	1487
UN57362	Rsa1.0.16217.1	729	130903	0	381	384	99 -	2	385	129922	130304
UN57363	Rsa1.0.01434.1	733	45951	0	689	728	94 +	1	722	21193	21919
UN57364	Rsa1.0.00272.1	647	447836	1.00E-151	302	309	97 +	340	647	83797	84101
UN57365	Rsa1.0.08147.1	549	7835	0	539	555	97 +	4	549	6883	7437
UN57366	Rsa1.0.00123.1	659	325650	1.00E-82	217	238	91 +	6	231	173031	173268
UN57367	Rsa1.0.01438.1	424	45882	1.00E-41	90	91	98 +	128	218	30280	30370

UN57368	Rsa1.0.41965.1	357	535	1.00E-129	325	353	92 -	4	354	98	450
UN57369	Rsa1.0.01223.1	514	50392	1.00E-123	254	264	96 +	1	264	32563	32826
UN57370	Rsa1.0.00213.1	395	108167	1.00E-113	207	207	100 +	120	326	3190	3396
UN57371	Rsa1.0.00055.1	542	520193	0	541	541	100 +	2	542	287985	288525
UN57372	Rsa1.0.01536.1	602	43747	1.00E-127	242	246	98 -	357	602	23678	23923
UN57373	Rsa1.0.01591.1	729	42718	0	386	402	96 -	331	729	32110	32511
UN57374	Rsa1.0.07738.1	353	8686	0	344	350	98 +	1	350	2589	2938
UN57375	Rsa1.0.00030.1	220	250988	1.00E-71	168	175	96 -	44	213	211568	211742
UN57376	Rsa1.0.06604.1	678	10681	1.00E-126	238	241	98 +	253	493	9818	10058
UN57377	Rsa1.0.01951.1	668	36941	0	432	443	97 -	12	452	4662	5102
UN57378	Rsa1.0.00834.1	662	62600	2.00E-75	144	144	100 +	294	437	49393	49536
UN57379	Rsa1.0.05668.1	727	12994	1.00E-122	223	223	100 +	161	383	10719	10941
UN57380	Rsa1.0.03467.1	756	22687	1.00E-154	291	296	98 +	2	297	11903	12198
UN57381	Rsa1.0.00002.1	633	601661	1.00E-171	410	444	92 +	2	428	97426	97869
UN57382	Rsa1.0.03252.1	640	24338	0	580	598	96 +	44	640	16318	16913
UN57383	Rsa1.0.00017.1	558	752458	3.00E-89	170	171	99 +	201	371	661278	661448
UN57384	Rsa1.0.00661.1	696	213041	0	382	384	99 -	314	696	212658	213041
UN57385	Rsa1.0.01310.1	218	164719	2.00E-91	208	219	94 -	1	214	6999	7217
UN57386	Rsa1.0.00778.1	427	196751	0	419	427	98 -	2	427	155182	155608
UN57387	Rsa1.0.02524.1	336	30496	8.00E-52	107	108	99 -	47	154	16107	16214
UN57388	Rsa1.0.09834.1	423	6128	0	421	423	99 +	1	423	574	996
UN57389	Rsa1.0.04384.1	605	17629	1.00E-172	433	477	90 -	138	605	2116	2581
UN57390	Rsa1.0.00162.1	216	239935	1.00E-111	214	216	99 +	1	216	25264	25478
UN57391	Rsa1.0.00425.1	739	147080	0	718	742	96 +	1	739	112517	113258
UN57392	Rsa1.0.02550.1	644	291051	0	607	624	97 +	2	624	2819	3442
UN57393	Rsa1.0.03842.1	492	20503	0	382	400	95 -	83	482	15597	15995
UN57394	Rsa1.0.00162.1	388	239935	1.00E-130	308	334	92 -	1	322	39573	39903
UN57395	Rsa1.0.46690.1	636	484	0	349	352	99 -	149	500	1	352
UN57396	Rsa1.0.00715.1	604	67116	0	574	587	97 +	18	604	58558	59144
UN57397	Rsa1.0.00497.1	321	79830	1.00E-150	275	277	99 +	2	278	22282	22558
UN57398	Rsa1.0.03037.1	695	25825	0	637	658	96 +	1	653	17748	18404
UN57399	Rsa1.0.00190.1	669	318240	1.00E-132	286	297	96 +	5	299	51862	52154
UN57400	Rsa1.0.03927.1	671	19997	1.00E-128	247	252	98 +	321	572	16914	17165
UN57401	Rsa1.0.01031.1	730	56236	1.00E-112	252	267	94 -	141	404	18106	18372
UN57402	Rsa1.0.00793.1	697	64103	9.00E-75	187	198	94 -	3	197	6999	7195
UN57403	Rsa1.0.01817.1	640	38849	0	507	508	99 -	1	508	3387	3894
UN57404	Rsa1.0.03860.1	672	20407	1.00E-153	306	316	96 -	146	458	17073	17388
UN57405	Rsa1.0.00582.1	735	74333	0	723	739	97 +	1	735	13209	13947
UN57406	Rsa1.0.03673.1	667	21448	1.00E-168	302	303	99 +	94	396	14545	14847

UN57407	Rsa1.0.02163.1	689	34427	0	402	411	97 +	14	424	28174	28584
UN57408	Rsa1.0.00022.1	476	200461	1.00E-85	161	161	100 +	316	476	151207	151367
UN57409	Rsa1.0.02608.1	496	29613	0	455	460	98 -	1	460	28533	28991
UN57410	Rsa1.0.00851.1	228	62181	2.00E-42	109	116	93 +	82	197	27863	27978
UN57411	Rsa1.0.00379.1	657	89865	4.00E-46	101	103	98 -	94	196	88673	88775
UN57412	Rsa1.0.00021.1	684	263655	1.00E-111	213	216	98 +	61	276	60975	61190
UN57413	Rsa1.0.01892.1	426	37526	8.00E-71	171	182	93 +	1	179	25014	25195
UN57414	Rsa1.0.35228.1	706	642	2.00E-45	118	126	93 -	1	126	4	129
UN57415	Rsa1.0.03422.1	563	23076	0	554	568	97 +	1	560	18592	19158
UN57416	Rsa1.0.00004.1	641	253996	1.00E-162	296	297	99 +	346	641	37761	38057
UN57417	Rsa1.0.02730.1	469	28385	1.00E-137	257	260	98 -	105	364	13862	14121
UN57418	Rsa1.0.04029.1	665	19491	0	474	489	96 -	179	665	8476	8963
UN57419	Rsa1.0.00225.1	725	105892	1.00E-133	251	253	99 +	474	725	42928	43180
UN57420	Rsa1.0.00330.1	608	94666	1.00E-144	309	324	95 +	2	324	84642	84965
UN57421	Rsa1.0.00389.1	605	88795	2.00E-63	136	140	97 -	223	362	65177	65316
UN57422	Rsa1.0.36792.1	760	613	1.00E-100	219	230	95 -	269	498	239	468
UN57423	Rsa1.0.00577.1	475	174827	1.00E-85	253	276	91 +	139	411	148897	149163
UN57424	Rsa1.0.01285.1	157	172709	1.00E-45	145	157	92 -	5	157	156762	156913
UN57425	Rsa1.0.00044.1	230	271658	2.00E-73	204	222	91 +	9	225	9878	10099
UN57426	Rsa1.0.01749.1	727	39822	1.00E-12	66	75	88 -	463	537	20898	20972
UN57427	Rsa1.0.02347.1	614	32332	0	352	356	98 -	261	614	28471	28826
UN57428	Rsa1.0.01505.1	730	44382	0	621	640	97 -	52	690	42124	42763
UN57429	Rsa1.0.00031.1	727	179862	1.00E-163	335	349	95 -	1	340	316	664
UN57430	Rsa1.0.02678.1	719	135053	0	408	427	95 -	1	427	130452	130863
UN57431	Rsa1.0.00265.1	736	220635	2.00E-72	191	207	92 -	1	201	148914	149120
UN57432	Rsa1.0.00387.1	666	495407	0	580	598	96 +	73	666	93939	94535
UN57433	Rsa1.0.01175.1	497	51674	1.00E-177	324	327	99 +	1	327	26051	26377
UN57434	Rsa1.0.05633.1	599	13118	0	571	597	95 -	5	599	4581	5169
UN57435	Rsa1.0.00366.1	712	90880	2.00E-97	184	185	99 +	322	506	13590	13774
UN57436	Rsa1.0.00251.1	729	303968	1.00E-125	236	239	98 -	121	359	290985	291223
UN57437	Rsa1.0.05818.1	647	12544	0	633	645	98 +	3	647	8328	8972
UN57438	Rsa1.0.03997.1	764	19652	3.00E-84	197	213	92 -	1	198	4171	4383
UN57439	Rsa1.0.00370.1	777	90472	1.00E-169	432	479	90 +	302	777	42439	42899
UN57440	Rsa1.0.00248.1	736	163568	1.00E-160	343	359	95 +	11	365	99363	99719
UN57441	Rsa1.0.10828.1	701	5709	0	408	412	99 +	2	413	5218	5629
UN57442	Rsa1.0.01380.1	123	155003	4.00E-51	114	118	96 +	6	123	9083	9200
UN57443	Rsa1.0.00002.1	549	601661	0	337	341	98 -	26	366	283406	283746
UN57444	Rsa1.0.01487.1	478	44784	1.00E-136	326	348	93 -	1	342	2584	2931
UN57445	Rsa1.0.00279.1	794	100039	7.00E-48	135	146	92 -	62	204	7038	7180

UN57446	Rsa1.0.02680.1	130	28721	1.00E-48	122	130	93 -	1	130	18729	18858
UN57447	Rsa1.0.01259.1	756	49754	0	736	739	99 +	1	739	38560	39298
UN57448	Rsa1.0.01082.1	239	54640	1.00E-108	229	239	95 -	1	239	10679	10917
UN57449	Rsa1.0.00079.1	117	606987	7.00E-22	56	57	98 -	6	62	541187	541243
UN57450	Rsa1.0.00418.1	707	215377	0	705	712	99 +	1	707	67040	67751
UN57451	Rsa1.0.00457.1	477	337301	1.00E-131	277	290	95 +	159	448	9577	9866
UN57452	Rsa1.0.14943.1	420	2944	0	406	413	98 +	3	415	1862	2272
UN57453	Rsa1.0.30871.1	772	742	1.00E-119	260	270	96 +	114	382	86	353
UN57454	Rsa1.0.05847.1	733	12433	1.00E-167	330	341	96 +	399	733	2039	2379
UN57455	Rsa1.0.00044.1	122	271658	7.00E-56	119	122	97 -	1	122	139720	139841
UN57456	Rsa1.0.00025.1	723	277312	0	697	725	96 -	1	723	265573	266288
UN57457	Rsa1.0.04166.1	155	18757	4.00E-58	141	150	94 -	1	150	4679	4828
UN57458	Rsa1.0.02226.1	817	33726	1.00E-166	343	354	96 +	106	456	12269	12618
UN57459	Rsa1.0.01783.1	107	39383	3.00E-42	102	107	95 +	1	107	20052	20158
UN57460	Rsa1.0.00123.1	710	325650	0	681	711	95 +	2	710	173800	174500
UN57461	Rsa1.0.00780.1	820	147795	1.00E-141	314	332	94 -	1	330	16309	16637
UN57462	Rsa1.0.00046.1	773	320315	0	641	646	99 -	125	769	20385	21030
UN57463	Rsa1.0.00194.1	454	110851	1.00E-156	324	339	95 -	1	339	42338	42676
UN57464	Rsa1.0.00292.1	852	98141	1.00E-147	304	316	96 +	1	316	63941	64254
UN57465	Rsa1.0.00005.1	404	353093	1.00E-117	238	246	96 +	1	246	169084	169329
UN57466	Rsa1.0.05494.1	137	13547	1.00E-60	134	138	97 +	1	137	7713	7850
UN57467	Rsa1.0.01635.1	527	41865	0	433	466	92 +	1	466	7345	7801
UN57468	Rsa1.0.24053.1	754	1009	0	393	402	97 +	269	669	267	668
UN57469	Rsa1.0.00412.1	629	86935	0	621	629	98 +	1	628	51606	52234
UN57470	Rsa1.0.00155.1	585	118465	1.00E-160	337	350	96 -	34	383	53727	54073
UN57471	Rsa1.0.03867.1	114	20369	3.00E-36	98	105	93 -	1	105	15555	15659
UN57472	Rsa1.0.05066.1	160	14943	3.00E-71	154	160	96 -	1	160	424	583
UN57473	Rsa1.0.00759.1	706	65465	1.00E-76	176	186	94 -	289	474	44072	44257
UN57474	Rsa1.0.00108.1	342	478491	1.00E-115	282	302	93 -	20	319	270625	270925
UN57475	Rsa1.0.01292.1	725	175783	0	424	428	99 +	1	428	152612	153039
UN57476	Rsa1.0.00678.1	711	193163	0	683	711	96 +	1	711	174442	175145
UN57477	Rsa1.0.04806.1	130	15898	7.00E-56	125	130	96 -	1	130	7356	7485
UN57478	Rsa1.0.00453.1	798	83031	0	674	722	93 -	17	738	75551	76245
UN57479	Rsa1.0.01274.1	498	49419	4.00E-76	175	185	94 +	71	255	37771	37955
UN57480	Rsa1.0.00008.1	238	358124	1.00E-86	207	222	93 -	17	238	282640	282861
UN57481	Rsa1.0.00056.1	862	332604	2.00E-94	185	188	98 +	637	824	233929	234116
UN57482	Rsa1.0.30600.1	787	750	0	465	491	94 -	4	490	197	686
UN57483	Rsa1.0.04713.1	550	16270	1.00E-168	406	440	92 +	109	548	10218	10656
UN57484	Rsa1.0.00029.1	163	272992	2.00E-19	61	65	93 -	2	66	249519	249583

UN57485	Rsa1.0.00107.1	260	431659	9.00E-88	232	252	92 +	1	248	180757	181005
UN57486	Rsa1.0.04980.1	364	15251	0	360	363	99 -	2	364	7051	7413
UN57487	Rsa1.0.14003.1	646	3930	1.00E-169	339	352	96 -	1	346	2895	3246
UN57488	Rsa1.0.00417.1	495	395068	4.00E-82	179	187	95 +	1	187	13697	13883
UN57489	Rsa1.0.01137.1	821	52655	0	559	579	96 +	3	574	4783	5354
UN57490	Rsa1.0.03267.1	151	24230	5.00E-51	139	150	92 -	1	150	12645	12793
UN57491	Rsa1.0.00414.1	372	202190	1.00E-149	350	376	93 +	1	372	3393	3767
UN57492	Rsa1.0.01140.1	184	52586	2.00E-51	133	143	93 +	3	145	32543	32685
UN57493	Rsa1.0.04043.1	712	19416	0	667	712	93 +	4	712	4417	5110
UN57494	Rsa1.0.00296.1	827	97854	0	547	568	96 +	1	562	70192	70757
UN57495	Rsa1.0.01296.1	591	49035	1.00E-153	437	495	88 +	3	472	8860	9337
UN57496	Rsa1.0.00116.1	291	365886	1.00E-133	277	288	96 -	1	288	137267	137553
UN57497	Rsa1.0.00221.1	291	106972	3.00E-91	258	288	89 +	1	286	51633	51910
UN57498	Rsa1.0.00058.1	313	159921	7.00E-80	175	183	95 +	1	183	46682	46864
UN57499	Rsa1.0.01308.1	461	48596	8.00E-62	133	137	97 -	325	461	45851	45987
UN57500	Rsa1.0.02373.1	723	32048	0	564	587	96 +	1	587	8541	9119
UN57501	Rsa1.0.01126.1	670	53127	1.00E-157	320	333	96 -	270	602	1257	1589
UN57502	Rsa1.0.04154.1	663	18802	1.00E-165	366	392	93 -	272	663	14985	15365
UN57503	Rsa1.0.00138.1	753	247040	2.00E-69	253	288	87 +	26	312	8649	8931
UN57504	Rsa1.0.00720.1	662	66931	1.00E-122	280	304	92 +	1	285	55150	55453
UN57505	Rsa1.0.04910.1	378	15484	6.00E-93	194	201	96 -	178	378	9304	9504
UN57506	Rsa1.0.00021.1	740	263655	0	466	485	96 -	2	482	199080	199563
UN57507	Rsa1.0.00603.1	189	73299	3.00E-50	116	121	95 +	2	122	42617	42737
UN57508	Rsa1.0.03569.1	794	22041	1.00E-144	379	414	91 +	1	408	12518	12922
UN57509	Rsa1.0.00429.1	146	85559	2.00E-44	130	143	90 -	1	143	24249	24391
UN57510	Rsa1.0.00323.1	558	159650	1.00E-142	256	256	100 +	1	256	113413	113668
UN57511	Rsa1.0.01322.1	662	48166	1.00E-135	308	330	93 +	51	367	9729	10058
UN57512	Rsa1.0.00322.1	715	212233	6.00E-76	162	167	97 +	408	571	83613	83779
UN57513	Rsa1.0.02557.1	706	30127	0	678	702	96 -	1	702	5991	6683
UN57514	Rsa1.0.15145.1	623	2800	1.00E-139	304	321	94 +	1	321	235	552
UN57515	Rsa1.0.00863.1	143	254535	5.00E-48	131	141	92 -	4	143	213576	213716
UN57516	Rsa1.0.07246.1	637	9665	0	405	410	98 -	228	637	4608	5017
UN57517	Rsa1.0.00227.1	711	105849	0	358	368	97 +	269	636	31232	31599
UN57518	Rsa1.0.00679.1	756	68971	1.00E-180	408	431	94 +	28	447	25620	26045
UN57519	Rsa1.0.00757.1	529	65559	1.00E-100	250	268	93 +	8	273	58117	58372
UN57520	Rsa1.0.02170.1	170	34352	3.00E-31	138	161	85 -	10	170	1798	1958
UN57521	Rsa1.0.00063.1	734	156150	1.00E-136	296	312	94 +	423	734	5800	6108
UN57522	Rsa1.0.01409.1	656	151595	1.00E-133	250	253	98 +	11	263	124572	124824
UN57523	Rsa1.0.00273.1	274	326186	1.00E-129	264	274	96 +	1	274	237665	237938

UN57524	Rsa1.0_01889.1	649	37562	0	647	650	99 -		1	649	10314	10963
UN57525	#	#	#	#	#	#	#	#	#	#	#	#
UN57526	Rsa1.0_00009.1	475	232558	1.00E-116	222	225	98 +		3	227	296	520
UN57527	Rsa1.0_00085.1	746	142226	1.00E-140	310	326	95 +		31	356	28413	28732
UN57528	Rsa1.0_00497.1	393	79830	3.00E-67	176	190	92 -		12	201	52219	52407
UN57529	Rsa1.0_08838.1	677	6873	0	508	524	96 -		1	524	2943	3465
UN57530	Rsa1.0_00140.1	747	121541	0	731	745	98 +		3	747	88742	89486
UN57531	Rsa1.0_00159.1	807	431686	0	465	479	97 +		4	479	350442	350920
UN57532	Rsa1.0_00263.1	794	224968	2.00E-70	247	287	86 +		1	258	141435	141721
UN57533	Rsa1.0_00104.1	827	368722	0	793	829	95 -		1	827	68774	69602
UN57534	Rsa1.0_57571.1	761	397	0	392	395	99 +		111	505	1	395
UN57535	Rsa1.0_00111.1	167	390088	2.00E-66	155	164	94 -		1	164	60906	61069
UN57536	Rsa1.0_00370.1	383	90472	1.00E-149	326	344	94 +		1	343	73419	73762
UN57537	Rsa1.0_01036.1	890	55978	0	837	850	98 +		1	845	47382	48231
UN57538	Rsa1.0_00196.1	576	109960	5.00E-51	127	135	94 -		404	538	70876	71010
UN57539	Rsa1.0_16906.1	836	1993	1.00E-144	277	283	97 -		1	283	4	286
UN57540	Rsa1.0_02862.1	697	27163	0	524	539	97 +		84	622	21827	22365
UN57541	Rsa1.0_05326.1	108	14139	1.00E-38	103	108	95 -		1	108	4069	4173
UN57542	Rsa1.0_09383.1	760	6407	0	751	760	98 +		1	760	4496	5255
UN57543	Rsa1.0_00464.1	778	82253	0	451	458	98 -		170	624	48375	48832
UN57544	Rsa1.0_01593.1	543	150996	0	390	402	97 +		4	405	149449	149850
UN57545	Rsa1.0_01235.1	103	50180	3.00E-45	98	100	98 +		1	100	22330	22429
UN57546	Rsa1.0_01667.1	220	41315	1.00E-92	208	220	94 -		1	220	33943	34162
UN57547	Rsa1.0_04196.1	708	18515	0	498	516	96 +		21	534	16842	17354
UN57548	Rsa1.0_01628.1	522	41932	1.00E-143	275	281	97 +		1	281	5724	6004
UN57549	Rsa1.0_02819.1	822	27629	0	782	828	94 +		1	822	26168	26991
UN57550	Rsa1.0_00163.1	731	116847	1.00E-158	414	452	91 -		13	452	83512	83962
UN57551	Rsa1.0_00130.1	182	125737	1.00E-33	85	89	95 +		92	180	38687	38775
UN57552	Rsa1.0_03367.1	241	23387	2.00E-42	127	140	90 +		102	241	1583	1722
UN57553	Rsa1.0_01965.1	217	36698	1.00E-46	110	115	95 -		1	115	15438	15552
UN57554	Rsa1.0_04411.1	740	142979	0	719	745	96 +		4	740	137868	138609
UN57555	Rsa1.0_00657.1	104	69858	1.00E-22	92	104	88 +		1	104	69074	69174
UN57556	#	#	#	#	#	#	#	#	#	#	#	#
UN57557	Rsa1.0_02867.1	717	27121	3.00E-71	259	304	85 -		1	292	3466	3753
UN57558	Rsa1.0_00900.1	557	60367	1.00E-140	307	325	94 +		1	325	25855	26170
UN57559	Rsa1.0_03736.1	103	21081	1.00E-16	89	100	89 +		2	101	10552	10648
UN57560	Rsa1.0_00389.1	701	88795	3.00E-84	180	187	96 +		416	602	64594	64780
UN57561	Rsa1.0_05311.1	134	14181	2.00E-53	127	134	94 -		1	134	6842	6975
UN57562	Rsa1.0_00012.1	714	222148	1.00E-144	319	337	94 -		12	343	88471	88798

UN57563	Rsa1.0.02070.1	407	158516	1.00E-150	376	410	91 +	4	407	13204	13604
UN57564	Rsa1.0.00425.1	177	147080	1.00E-52	159	177	89 +	1	177	75311	75487
UN57565	Rsa1.0.03074.1	621	25568	0	620	624	99 +	1	621	18873	19496
UN57566	Rsa1.0.00074.1	717	147591	0	532	543	97 -	1	543	128419	128958
UN57567	Rsa1.0.00475.1	121	81678	2.00E-34	95	102	93 +	1	102	27097	27198
UN57568	Rsa1.0.01112.1	651	310601	0	599	622	96 +	25	645	154642	155261
UN57569	Rsa1.0.08074.1	729	7952	0	511	518	98 -	3	519	6406	6923
UN57570	Rsa1.0.00101.1	569	267193	0	560	570	98 -	1	569	141787	142355
UN57571	Rsa1.0.16915.1	703	1991	2.00E-63	134	136	98 +	2	137	5	139
UN57572	Rsa1.0.00201.1	693	232851	0	654	704	92 +	2	693	225593	226294
UN57573	Rsa1.0.13268.1	741	4949	1.00E-166	317	324	97 -	315	638	381	704
UN57574	Rsa1.0.00602.1	633	73302	0	617	633	97 -	1	633	47236	47867
UN57575	Rsa1.0.04039.1	693	19467	0	668	693	96 +	1	693	8349	9039
UN57576	Rsa1.0.02387.1	526	31890	0	504	529	95 -	1	526	14201	14729
UN57577	Rsa1.0.03215.1	711	24551	1.00E-161	335	347	96 +	66	410	5040	5384
UN57578	Rsa1.0.00398.1	602	88007	0	519	538	96 +	2	534	40987	41523
UN57579	Rsa1.0.00207.1	760	248736	0	557	577	96 +	184	760	240373	240949
UN57580	Rsa1.0.02954.1	715	26485	0	691	727	95 +	11	715	16501	17227
UN57581	Rsa1.0.01013.1	167	56822	2.00E-75	161	167	96 +	1	167	23120	23286
UN57582	Rsa1.0.05076.1	446	14916	1.00E-82	240	272	88 +	1	264	3306	3563
UN57583	Rsa1.0.00049.1	579	167018	1.00E-144	325	349	93 -	18	351	128791	129138
UN57584	Rsa1.0.04998.1	719	15180	0	718	728	98 -	1	719	7014	7741
UN57585	Rsa1.0.09929.1	205	6087	7.00E-45	122	131	93 +	1	129	248	378
UN57586	Rsa1.0.00821.1	767	62891	0	445	450	98 -	226	673	50163	50612
UN57587	Rsa1.0.38764.1	100	580	1.00E-35	91	96	94 +	1	96	253	348
UN57588	Rsa1.0.37762.1	720	597	1.00E-175	388	412	94 +	41	443	163	568
UN57589	Rsa1.0.00562.1	668	75565	0	651	668	97 -	1	668	19440	20107
UN57590	Rsa1.0.03245.1	549	24385	1.00E-176	353	365	96 -	178	541	23943	24307
UN57591	Rsa1.0.00522.1	779	78103	0	496	510	97 +	271	779	45218	45727
UN57592	Rsa1.0.03045.1	792	25787	0	494	496	99 +	1	496	5909	6403
UN57593	Rsa1.0.00085.1	526	142226	2.00E-59	132	137	96 -	253	389	22769	22905
UN57594	Rsa1.0.00101.1	807	267193	1.00E-154	300	308	97 +	1	308	194783	195090
UN57595	Rsa1.0.02521.1	504	30562	0	446	461	96 +	15	466	21039	21499
UN57596	Rsa1.0.01525.1	323	43925	1.00E-135	306	324	94 -	1	323	32544	32866
UN57597	Rsa1.0.00292.1	721	98141	0	715	721	99 +	1	721	18782	19501
UN57598	Rsa1.0.02865.1	323	27133	1.00E-151	310	323	95 -	1	323	1863	2185
UN57599	Rsa1.0.01882.1	491	37697	0	471	487	96 +	2	488	4757	5243
UN57600	Rsa1.0.01369.1	121	47127	1.00E-35	109	120	90 +	2	121	8462	8581
UN57601	Rsa1.0.00696.1	776	68010	0	523	528	99 -	249	776	11473	12000

UN57602	Rsa1.0_12809.1	580	5119	2.00E-78	204	220	92 +	1	220	3368	3584
UN57603	Rsa1.0_03301.1	771	23932	3.00E-81	473	578	81 +	189	766	17763	18339
UN57604	Rsa1.0_00457.1	752	337301	0	371	382	97 -	374	752	296420	296801
UN57605	Rsa1.0_00107.1	123	431659	1.00E-23	99	111	89 +	16	123	148770	148880
UN57606	#	#	#	#	#	#	#	#	#	#	#
UN57607	Rsa1.0_13824.1	707	4259	0	432	455	94 +	3	457	2081	2534
UN57608	Rsa1.0_00507.1	616	79074	0	514	540	95 -	1	540	71107	71646
UN57609	Rsa1.0_02397.1	772	31778	1.00E-150	288	294	97 +	393	686	6138	6431
UN57610	Rsa1.0_02026.1	785	35896	1.00E-176	316	317	99 +	1	317	6567	6883
UN57611	Rsa1.0_00278.1	500	231896	1.00E-149	352	376	93 -	1	370	60144	60513
UN57612	Rsa1.0_19740.1	750	1390	0	727	743	97 +	5	745	654	1390
UN57613	Rsa1.0_00196.1	319	109960	1.00E-127	301	321	93 -	4	319	102346	102666
UN57614	Rsa1.0_08427.1	751	7371	1.00E-67	300	351	85 +	29	378	4547	4894
UN57615	Rsa1.0_00234.1	136	197060	2.00E-37	109	119	91 +	4	122	15418	15536
UN57616	Rsa1.0_00810.1	604	63289	0	438	469	93 -	8	460	57632	58096
UN57617	Rsa1.0_03581.1	129	21965	6.00E-41	104	109	95 -	18	126	2013	2120
UN57618	Rsa1.0_04209.1	444	18442	1.00E-159	348	370	94 +	17	386	15716	16078
UN57619	Rsa1.0_04064.1	286	19297	1.00E-112	247	261	94 -	1	261	18501	18761
UN57620	Rsa1.0_02071.1	278	35409	1.00E-117	253	266	95 -	8	269	7713	7978
UN57621	Rsa1.0_00472.1	248	398134	1.00E-135	247	248	99 -	1	248	293762	294009
UN57622	Rsa1.0_00900.1	181	60367	2.00E-60	142	150	94 -	1	150	29648	29797
UN57623	Rsa1.0_04786.1	368	15988	2.00E-98	311	349	89 -	1	343	1623	1962
UN57624	Rsa1.0_05190.1	346	14544	8.00E-55	175	193	90 -	27	216	7027	7219
UN57625	Rsa1.0_00208.1	659	108565	0	655	660	99 +	1	659	85726	86385
UN57626	Rsa1.0_01434.1	483	45951	1.00E-140	342	370	92 -	115	479	22588	22952
UN57627	#	#	#	#	#	#	#	#	#	#	#
UN57628	Rsa1.0_01501.1	379	44532	3.00E-73	152	156	97 -	224	379	100	255
UN57629	Rsa1.0_00055.1	702	520193	0	697	702	99 -	1	702	288575	289274
UN57630	Rsa1.0_00302.1	756	97521	0	366	369	99 -	1	369	85022	85390
UN57631	Rsa1.0_06452.1	652	10994	1.00E-155	281	282	99 +	272	553	2469	2750
UN57632	Rsa1.0_01951.1	756	36941	1.00E-160	348	369	94 +	4	368	2057	2418
UN57633	Rsa1.0_00834.1	135	62600	3.00E-58	123	126	97 -	9	134	51195	51320
UN57634	Rsa1.0_05668.1	132	12994	2.00E-47	123	132	93 -	1	132	12070	12201
UN57635	Rsa1.0_01333.1	787	47929	0	491	515	95 -	274	787	44773	45287
UN57636	Rsa1.0_00328.1	642	224661	0	447	451	99 -	74	524	207122	207572
UN57637	Rsa1.0_01889.1	167	37562	2.00E-54	129	136	94 -	21	156	23055	23190
UN57638	Rsa1.0_00661.1	660	213041	0	655	659	99 +	3	660	211241	211899
UN57639	Rsa1.0_00778.1	345	196751	1.00E-119	280	298	93 +	2	293	153468	153765
UN57640	Rsa1.0_00053.1	469	263459	3.00E-95	235	252	93 -	5	254	34020	34270

UN57641	Rsa1.0.04384.1	548	17629	0	527	550	95 +	4	548	1011	1557
UN57642	Rsa1.0.01758.1	155	39747	1.00E-64	146	153	95 +	1	153	36703	36855
UN57643	Rsa1.0.00620.1	683	71985	0	349	355	98 +	329	683	54806	55160
UN57644	Rsa1.0.03134.1	465	145023	1.00E-171	363	381	95 -	2	375	4339	4716
UN57645	Rsa1.0.00124.1	330	262503	1.00E-119	265	280	94 +	20	297	28441	28720
UN57646	Rsa1.0.00215.1	647	201775	0	408	436	93 -	1	435	50928	51346
UN57647	Rsa1.0.01817.1	798	38849	1.00E-173	362	378	95 +	2	377	1432	1807
UN57648	Rsa1.0.00582.1	732	74333	0	709	720	98 -	1	720	14169	14888
UN57649	Rsa1.0.03673.1	723	21448	0	357	363	98 -	3	364	16097	16457
UN57650	Rsa1.0.00648.1	119	70351	2.00E-56	118	119	99 +	1	119	46483	46600
UN57651	Rsa1.0.02608.1	580	29613	1.00E-104	207	212	97 +	1	212	26820	27031
UN57652	Rsa1.0.04367.1	257	17728	8.00E-42	102	107	95 -	1	107	13016	13122
UN57653	Rsa1.0.13010.1	307	5047	1.00E-121	287	309	92 +	3	307	2441	2749
UN57654	Rsa1.0.04029.1	105	19491	1.00E-38	99	105	94 +	1	105	8522	8626
UN57655	Rsa1.0.00222.1	334	172263	1.00E-139	308	327	94 -	1	327	69472	69798
UN57656	Rsa1.0.02903.1	611	26901	1.00E-169	552	633	87 -	1	607	23874	24494
UN57657	Rsa1.0.09303.1	177	6469	3.00E-71	167	176	94 +	1	175	6294	6469
UN57658	Rsa1.0.01313.1	155	48387	6.00E-60	132	137	96 +	19	155	1056	1192
UN57659	Rsa1.0.02536.1	440	30368	0	416	444	93 +	1	440	19446	19879
UN57660	Rsa1.0.00963.1	142	58176	9.00E-25	82	90	91 +	18	107	26927	27016
UN57661	Rsa1.0.01175.1	287	51674	1.00E-50	159	175	90 -	3	171	27867	28036
UN57662	Rsa1.0.03319.1	164	23767	1.00E-17	124	141	87 +	1	141	17213	17345
UN57663	#	#	#	#	#	#	#	#	#	#	#
UN57664	Rsa1.0.00262.1	729	101906	3.00E-62	128	130	98 -	317	446	83483	83612
UN57665	Rsa1.0.00615.1	701	72235	0	675	703	96 -	2	701	61747	62449
UN57666	Rsa1.0.00133.1	633	123768	0	412	414	99 -	220	633	78222	78635
UN57667	Rsa1.0.00144.1	794	120708	0	423	436	97 +	2	434	45132	45567
UN57668	Rsa1.0.00668.1	653	69421	0	567	581	97 +	53	633	11049	11629
UN57669	Rsa1.0.00111.1	656	390088	0	637	657	96 -	2	656	189893	190549
UN57670	Rsa1.0.13154.1	473	4990	1.00E-115	245	255	96 +	10	263	3136	3390
UN57671	Rsa1.0.03513.1	666	22349	1.00E-131	256	262	97 -	3	264	17749	18010
UN57672	Rsa1.0.03769.1	583	20955	3.00E-77	293	344	85 +	205	548	5729	6040
UN57673	Rsa1.0.00070.1	408	150321	1.00E-161	299	303	98 +	106	408	37747	38049
UN57674	Rsa1.0.14550.1	654	3278	3.00E-59	192	217	88 +	218	434	330	546
UN57675	Rsa1.0.00895.1	685	60615	1.00E-150	269	269	100 -	104	372	41036	41304
UN57676	Rsa1.0.01301.1	568	169072	1.00E-109	251	266	94 +	2	264	41959	42218
UN57677	Rsa1.0.01172.1	641	51734	3.00E-65	167	179	93 +	319	496	49064	49242
UN57678	Rsa1.0.02149.1	662	148330	2.00E-57	187	210	89 +	229	422	30883	31092
UN57679	Rsa1.0.00484.1	717	203294	1.00E-129	282	293	96 -	414	701	127681	127973

UN57680	Rsa1.0_00069.1	638	403561	1.00E-101	247	264	93 +	356	615	200655	200916
UN57681	Rsa1.0_00005.1	748	353093	0	734	747	98 +	3	748	295955	296701
UN57682	Rsa1.0_02769.1	626	28107	1.00E-135	372	416	89 +	1	403	17125	17534
UN57683	Rsa1.0_00179.1	656	393324	7.00E-66	146	152	96 -	167	318	65790	65941
UN57684	Rsa1.0_11827.1	431	5395	1.00E-151	368	398	92 +	1	395	409	806
UN57685	Rsa1.0_00288.1	454	98659	1.00E-180	417	451	92 -	2	452	84503	84938
UN57686	Rsa1.0_03319.1	627	23767	8.00E-78	193	207	93 -	236	440	12677	12883
UN57687	Rsa1.0_00160.1	687	346678	1.00E-76	167	174	95 -	206	379	245125	245298
UN57688	Rsa1.0_08728.1	699	6995	1.00E-158	347	366	94 -	287	652	3891	4253
UN57689	Rsa1.0_00838.1	435	153820	4.00E-45	111	117	94 -	206	322	56542	56658
UN57690	Rsa1.0_08285.1	777	7606	0	754	798	94 -	1	775	2800	3591
UN57691	Rsa1.0_00093.1	709	214962	5.00E-70	144	147	97 -	492	638	98063	98209
UN57692	Rsa1.0_00008.1	724	358124	0	354	358	98 -	189	546	78544	78901
UN57693	Rsa1.0_03491.1	659	22541	1.00E-101	400	471	84 -	48	518	9065	9535
UN57694	Rsa1.0_05570.1	673	13301	0	643	670	95 +	5	673	10577	11233
UN57695	Rsa1.0_00067.1	641	415055	0	568	643	88 -	2	641	140940	141543
UN57696	Rsa1.0_00494.1	687	79967	0	567	608	93 -	3	582	34423	35030
UN57697	Rsa1.0_00017.1	790	752458	3.00E-84	177	183	96 +	236	418	62005	62187
UN57698	Rsa1.0_03019.1	627	25987	1.00E-160	325	338	96 +	290	627	575	912
UN57699	Rsa1.0_00419.1	514	86562	0	490	511	95 -	3	504	76097	76606
UN57700	Rsa1.0_00253.1	795	231292	0	555	581	95 -	211	788	25462	26042
UN57701	Rsa1.0_01123.1	617	53359	1.00E-145	335	356	94 +	3	349	20615	20960
UN57702	Rsa1.0_03944.1	661	19926	1.00E-138	344	372	92 +	3	367	9310	9679
UN57703	Rsa1.0_00190.1	666	318240	1.00E-120	231	235	98 -	6	240	142188	142422
UN57704	Rsa1.0_00173.1	329	288743	5.00E-19	71	77	92 -	252	328	42369	42444
UN57705	Rsa1.0_00054.1	633	162053	1.00E-108	331	375	88 -	228	602	41547	41921
UN57706	Rsa1.0_01876.1	302	37800	8.00E-61	217	248	87 +	44	284	12724	12968
UN57707	Rsa1.0_00142.1	704	121474	1.00E-174	342	352	97 -	3	351	90981	91332
UN57708	Rsa1.0_00198.1	693	222963	0	432	459	94 +	3	452	128659	129114
UN57709	Rsa1.0_03448.1	510	22844	1.00E-76	222	245	90 +	277	510	1239	1481
UN57710	Rsa1.0_01270.1	679	49574	0	654	681	96 -	2	679	27008	27688
UN57711	Rsa1.0_00341.1	665	249309	1.00E-107	206	209	98 -	187	395	128945	129153
UN57712	Rsa1.0_02901.1	642	26909	0	516	546	94 -	4	548	21040	21581
UN57713	Rsa1.0_00782.1	510	64468	1.00E-115	223	226	98 +	285	510	23070	23293
UN57714	Rsa1.0_14348.1	695	3490	1.00E-106	210	215	97 +	31	245	1006	1220
UN57715	Rsa1.0_00879.1	456	61297	2.00E-96	232	247	93 -	212	456	30396	30642
UN57716	Rsa1.0_00802.1	727	63846	1.00E-67	195	212	91 +	519	727	15856	16063
UN57717	Rsa1.0_03305.1	677	147552	1.00E-134	286	299	95 +	3	300	144437	144735
UN57718	Rsa1.0_00166.1	627	240912	1.00E-134	322	351	91 +	17	355	134247	134597

UN57719	Rsa1.0_19913.1	645	1366	0	639	644	99 -	2	645	78	721
UN57720	Rsa1.0_00118.1	736	130637	1.00E-118	266	284	93 +	3	272	32045	32328
UN57721	Rsa1.0_00124.1	661	262503	0	633	661	95 -	2	661	40217	40871
UN57722	Rsa1.0_00944.1	661	58733	3.00E-93	226	244	92 -	3	245	5223	5455
UN57723	Rsa1.0_00120.1	638	277288	0	601	638	94 +	2	638	85124	85761
UN57724	Rsa1.0_00253.1	644	231292	0	535	545	98 -	7	551	196879	197423
UN57725	Rsa1.0_03290.1	375	24011	1.00E-168	349	363	96 +	11	372	13470	13831
UN57726	Rsa1.0_08634.1	780	7101	0	756	781	96 -	3	779	5542	6322
UN57727	Rsa1.0_01810.1	572	38991	9.00E-90	305	348	87 +	22	368	16650	16996
UN57728	Rsa1.0_00237.1	684	235974	0	543	591	91 -	110	684	45871	46461
UN57729	Rsa1.0_00842.1	648	62493	1.00E-104	214	220	97 +	2	221	27703	27921
UN57730	Rsa1.0_00152.1	670	257730	0	667	668	99 +	3	670	244035	244702
UN57731	Rsa1.0_00136.1	437	122464	3.00E-86	225	242	92 +	190	423	30698	30939
UN57732	Rsa1.0_06247.1	509	11395	1.00E-131	279	293	95 +	2	294	5131	5423
UN57733	Rsa1.0_05161.1	678	14631	1.00E-126	322	351	91 +	7	354	8351	8695
UN57734	Rsa1.0_04281.1	247	18107	1.00E-118	242	247	97 -	2	247	5713	5957
UN57735	Rsa1.0_00104.1	573	368722	1.00E-162	363	385	94 -	165	544	60384	60760
UN57736	Rsa1.0_02695.1	707	28605	1.00E-170	334	343	97 -	82	423	13524	13866
UN57737	Rsa1.0_08186.1	549	7770	2.00E-59	123	125	98 -	152	276	7540	7664
UN57738	Rsa1.0_06561.1	117	10772	2.00E-46	111	116	95 +	2	117	1325	1437
UN57739	Rsa1.0_03944.1	720	19926	1.00E-139	269	275	97 -	23	297	11811	12085
UN57740	Rsa1.0_00211.1	745	228189	0	460	484	95 -	268	745	189417	189900
UN57741	Rsa1.0_00055.1	605	520193	1.00E-27	105	118	88 -	50	164	94677	94794
UN57742	Rsa1.0_00022.1	684	200461	0	590	625	94 +	1	621	43557	44178
UN57743	Rsa1.0_04298.1	612	147466	2.00E-97	245	262	93 -	1	256	10409	10669
UN57744	Rsa1.0_01997.1	667	158416	0	505	548	92 +	141	667	3354	3898
UN57745	Rsa1.0_00496.1	313	79834	1.00E-132	296	312	94 -	1	310	31001	31309
UN57746	Rsa1.0_01099.1	660	158481	1.00E-126	280	296	94 -	366	660	15695	15984
UN57747	Rsa1.0_00867.1	683	61635	1.00E-129	312	336	92 +	349	680	60106	60441
UN57748	Rsa1.0_02855.1	680	27271	1.00E-176	409	434	94 +	256	677	10823	11254
UN57749	Rsa1.0_03679.1	680	21409	2.00E-29	224	275	81 +	237	508	13353	13624
UN57750	Rsa1.0_00102.1	681	135497	1.00E-120	303	332	91 +	352	671	51183	51503
UN57751	Rsa1.0_00203.1	744	109129	4.00E-37	102	108	94 -	579	685	92176	92283
UN57752	Rsa1.0_01669.1	781	41286	1.00E-128	248	253	98 -	159	411	12514	12766
UN57753	Rsa1.0_00336.1	672	445051	0	634	670	94 -	4	672	202618	203287
UN57754	Rsa1.0_01228.1	721	50238	1.00E-119	271	283	95 -	443	719	1771	2051
UN57755	Rsa1.0_00832.1	688	62622	0	408	424	96 +	267	688	21143	21566
UN57756	Rsa1.0_00160.1	672	346678	1.00E-79	181	191	94 +	11	201	230782	230972
UN57757	Rsa1.0_00336.1	601	445051	0	543	590	92 -	39	601	174762	175351

UN57758	Rsa1.0.08931.1	776	6775	0	570	601	94 -	144	743	618	1217
UN57759	Rsa1.0.00047.1	687	168582	1.00E-136	313	334	93 +	87	417	15661	15991
UN57760	Rsa1.0.07240.1	552	9676	1.00E-143	287	297	96 -	256	552	2889	3185
UN57761	Rsa1.0.00152.1	664	257730	0	631	663	95 +	4	661	210117	210779
UN57762	Rsa1.0.03727.1	636	21158	0	607	626	96 -	1	623	11124	11749
UN57763	Rsa1.0.00301.1	587	365315	1.00E-104	205	209	98 -	234	442	327848	328056
UN57764	Rsa1.0.00208.1	253	108565	1.00E-86	238	266	89 -	2	249	20226	20491
UN57765	Rsa1.0.01168.1	455	153765	1.00E-60	165	178	92 -	268	437	23551	23728
UN57766	Rsa1.0.07638.1	689	8967	1.00E-157	371	397	93 +	60	449	4161	4555
UN57767	Rsa1.0.01561.1	789	43227	7.00E-79	153	154	99 +	183	336	25195	25348
UN57768	Rsa1.0.00128.1	637	228675	1.00E-125	301	324	92 -	3	310	202406	202725
UN57769	Rsa1.0.00553.1	521	75983	8.00E-53	115	118	97 +	23	140	28935	29052
UN57770	Rsa1.0.00044.1	704	271658	1.00E-142	349	371	94 -	3	364	267896	268262
UN57771	Rsa1.0.01458.1	778	175719	6.00E-64	167	179	93 -	7	183	415	591
UN57772	Rsa1.0.00293.1	464	339294	1.00E-130	241	243	99 -	222	464	4726	4968
UN57773	Rsa1.0.00351.1	655	413096	1.00E-109	217	221	98 +	436	655	267204	267424
UN57774	Rsa1.0.00196.1	671	109960	0	496	511	97 +	3	513	17195	17705
UN57775	Rsa1.0.02871.1	759	27085	1.00E-174	345	357	96 +	323	679	13077	13433
UN57776	Rsa1.0.00483.1	804	81102	5.00E-89	188	195	96 +	301	495	50572	50766
UN57777	Rsa1.0.00198.1	623	222963	0	380	392	96 -	2	393	24525	24916
UN57778	Rsa1.0.00415.1	688	86795	0	379	385	98 -	1	383	86209	86592
UN57779	Rsa1.0.01610.1	708	42274	0	584	621	94 -	78	697	19040	19660
UN57780	Rsa1.0.01507.1	763	44361	1.00E-116	212	212	100 -	436	647	23147	23358
UN57781	Rsa1.0.00026.1	658	327835	3.00E-62	202	234	86 -	310	543	55459	55671
UN57782	Rsa1.0.04786.1	729	15988	0	602	636	94 -	97	729	14389	15014
UN57783	Rsa1.0.00131.1	636	432233	2.00E-91	204	215	94 +	214	428	410706	410920
UN57784	Rsa1.0.02386.1	731	31895	0	467	494	94 -	239	731	11378	11871
UN57785	Rsa1.0.04478.1	713	17183	1.00E-116	233	240	97 +	346	585	2935	3174
UN57786	Rsa1.0.04588.1	769	16739	4.00E-77	159	162	98 +	114	273	14590	14751
UN57787	Rsa1.0.00194.1	710	110851	1.00E-76	168	173	97 -	541	710	17713	17885
UN57788	Rsa1.0.00873.1	749	61459	1.00E-174	421	457	92 -	290	745	19489	19945
UN57789	Rsa1.0.01360.1	626	47246	5.00E-76	145	145	100 +	140	284	36689	36833
UN57790	Rsa1.0.01144.1	723	52431	0	618	648	95 +	72	710	35460	36104
UN57791	Rsa1.0.01016.1	681	181422	1.00E-153	357	386	92 +	116	492	162631	163016
UN57792	Rsa1.0.00095.1	510	283384	0	413	420	98 +	91	510	96593	97012
UN57793	Rsa1.0.02185.1	560	34150	1.00E-106	235	248	94 -	3	250	5058	5296
UN57794	Rsa1.0.03581.1	679	21965	0	632	675	93 -	1	674	15953	16619
UN57795	Rsa1.0.00414.1	735	202190	0	376	386	97 -	5	388	173712	174097
UN57796	Rsa1.0.00280.1	291	99966	4.00E-84	171	174	98 +	5	177	27739	27912

UN57797	Rsa1.0.01445.1	675	45671	1.00E-134	258	263	98 -	413	675	7290	7552
UN57798	Rsa1.0.06041.1	715	11861	1.00E-153	334	347	96 -	361	702	10205	10551
UN57799	Rsa1.0.01977.1	379	36559	1.00E-160	314	322	97 +	52	373	23096	23416
UN57800	Rsa1.0.00037.1	799	307838	1.00E-111	213	216	98 -	185	400	199239	199454
UN57801	Rsa1.0.15089.1	736	2840	0	669	702	95 -	3	702	308	1001
UN57802	Rsa1.0.02684.1	722	28676	0	429	440	97 +	274	713	19137	19570
UN57803	Rsa1.0.01719.1	156	40388	3.00E-49	132	143	92 +	5	147	22537	22679
UN57804	Rsa1.0.00913.1	747	59914	1.00E-143	361	393	91 +	220	606	10123	10509
UN57805	Rsa1.0.00214.1	663	107508	1.00E-125	297	318	93 +	355	663	102294	102611
UN57806	Rsa1.0.00778.1	596	196751	3.00E-25	152	180	84 +	10	189	139095	139272
UN57807	Rsa1.0.01212.1	783	50622	0	732	754	97 -	3	748	47156	47909
UN57808	Rsa1.0.01729.1	800	304246	1.00E-109	210	213	98 -	412	624	656	868
UN57809	Rsa1.0.00618.1	547	72195	0	533	548	97 +	3	547	18686	19233
UN57810	Rsa1.0.00183.1	687	113277	8.00E-72	150	154	97 +	442	595	66521	66674
UN57811	Rsa1.0.00394.1	720	148426	2.00E-97	208	217	95 -	3	219	107239	107455
UN57812	Rsa1.0.00107.1	673	431659	0	592	631	93 +	15	632	313218	313840
UN57813	Rsa1.0.09716.1	660	6195	1.00E-126	275	290	94 +	363	652	613	902
UN57814	Rsa1.0.00253.1	729	231292	3.00E-96	198	203	97 -	5	207	206344	206545
UN57815	Rsa1.0.01690.1	563	40939	0	538	575	93 -	3	563	25629	26203
UN57816	Rsa1.0.03191.1	673	145762	7.00E-91	176	178	98 -	376	553	9036	9213
UN57817	Rsa1.0.08902.1	666	6805	0	629	663	94 -	5	665	5294	5956
UN57818	Rsa1.0.01803.1	739	173846	2.00E-54	118	121	97 +	296	416	17730	17850
UN57819	Rsa1.0.02644.1	729	29176	0	451	492	91 +	3	494	5143	5626
UN57820	Rsa1.0.00369.1	309	266462	1.00E-50	146	160	91 +	71	227	168942	169101
UN57821	Rsa1.0.00202.1	757	185895	1.00E-117	310	336	92 -	3	324	149570	149896
UN57822	Rsa1.0.01349.1	832	47513	1.00E-137	250	251	99 -	103	353	46078	46328
UN57823	Rsa1.0.00252.1	747	102760	1.00E-135	268	276	97 +	394	669	43752	44027
UN57824	Rsa1.0.00208.1	484	108565	1.00E-57	128	132	96 -	38	169	8534	8662
UN57825	Rsa1.0.02314.1	210	32642	1.00E-103	204	209	97 -	2	210	9637	9845
UN57826	Rsa1.0.01543.1	765	43645	1.00E-122	379	425	89 -	242	662	39698	40119
UN57827	Rsa1.0.00497.1	808	79830	1.00E-110	224	231	96 +	270	500	40861	41091
UN57828	Rsa1.0.04664.1	625	16471	0	614	623	98 +	3	625	11326	11947
UN57829	Rsa1.0.00576.1	660	178949	0	420	439	95 +	159	597	63282	63720
UN57830	Rsa1.0.00344.1	646	191774	1.00E-104	246	260	94 -	391	646	24189	24448
UN57831	Rsa1.0.00487.1	815	80674	0	553	583	94 -	211	778	70726	71306
UN57832	Rsa1.0.00152.1	587	257730	1.00E-161	333	348	95 -	244	587	203808	204155
UN57833	Rsa1.0.02605.1	776	29637	0	717	792	90 +	1	772	14621	15397
UN57834	Rsa1.0.00289.1	609	98620	0	456	463	98 -	67	529	10849	11311
UN57835	Rsa1.0.03425.1	781	23043	0	445	473	94 -	303	770	6691	7159

UN57836	Rsa1.0.00804.1	398	63726	0	378	392	96 +	1	392	36831	37222
UN57837	Rsa1.0.00076.1	737	146021	1.00E-105	258	281	91 +	442	719	66993	67261
UN57838	Rsa1.0.01726.1	572	40263	0	556	575	96 +	2	572	432	1002
UN57839	Rsa1.0.00575.1	764	74791	0	691	768	89 -	2	743	63323	64064
UN57840	Rsa1.0.01126.1	576	53127	1.00E-113	226	230	98 -	348	576	15026	15253
UN57841	Rsa1.0.00620.1	715	71985	1.00E-103	194	195	99 -	358	552	48196	48390
UN57842	Rsa1.0.00130.1	610	125737	1.00E-18	64	69	92 +	36	104	76263	76331
UN57843	Rsa1.0.00354.1	776	232005	2.00E-72	145	147	98 +	412	558	170294	170440
UN57844	Rsa1.0.01881.1	563	37721	1.00E-169	328	337	97 -	8	344	34544	34880
UN57845	Rsa1.0.05004.1	308	15172	2.00E-61	138	144	95 -	165	308	2588	2731
UN57846	Rsa1.0.14856.1	745	3010	0	339	344	98 +	402	745	1812	2155
UN57847	Rsa1.0.00198.1	696	222963	1.00E-172	338	347	97 +	351	696	152016	152362
UN57848	Rsa1.0.02642.1	772	29181	0	459	478	96 +	267	739	13097	13574
UN57849	Rsa1.0.00367.1	667	90750	1.00E-125	242	247	97 +	2	248	16708	16954
UN57850	Rsa1.0.02223.1	679	152421	0	506	519	97 -	33	551	19095	19610
UN57851	Rsa1.0.22778.1	210	1095	1.00E-18	51	52	98 -	159	210	860	911
UN57852	Rsa1.0.00017.1	475	752458	1.00E-111	304	339	89 -	155	473	719238	719576
UN57853	Rsa1.0.01053.1	648	55483	1.00E-131	252	257	98 -	23	279	42397	42653
UN57854	Rsa1.0.00540.1	670	76895	1.00E-101	203	207	98 +	432	638	69438	69643
UN57855	Rsa1.0.01101.1	638	54031	2.00E-72	157	163	96 -	321	483	38522	38684
UN57856	Rsa1.0.22283.1	767	1134	1.00E-175	330	336	98 +	134	469	799	1134
UN57857	Rsa1.0.03183.1	678	24755	0	397	408	97 -	3	409	17720	18127
UN57858	Rsa1.0.00487.1	753	80674	1.00E-89	191	196	97 -	556	749	38678	38873
UN57859	Rsa1.0.14459.1	781	3367	3.00E-81	157	158	99 -	171	328	267	424
UN57860	Rsa1.0.04218.1	624	18423	0	602	625	96 +	3	624	15018	15639
UN57861	Rsa1.0.00105.1	678	134138	1.00E-39	131	145	90 +	174	313	1001	1145
UN57862	Rsa1.0.00067.1	763	415055	1.00E-127	318	338	94 -	417	746	38748	39085
UN57863	Rsa1.0.00048.1	642	167185	1.00E-116	228	232	98 +	212	443	148073	148303
UN57864	Rsa1.0.00366.1	731	90880	0	724	732	98 +	3	731	156	887
UN57865	Rsa1.0.00153.1	817	192931	6.00E-67	172	181	95 +	587	762	168694	168874
UN57866	Rsa1.0.00139.1	737	357786	1.00E-77	185	197	93 +	3	199	15592	15779
UN57867	Rsa1.0.07236.1	620	9680	0	591	621	95 +	3	619	1108	1725
UN57868	Rsa1.0.01151.1	722	52268	5.00E-21	113	133	84 +	37	169	33920	34052
UN57869	Rsa1.0.15067.1	736	2854	5.00E-98	242	261	92 -	18	274	2469	2726
UN57870	Rsa1.0.00829.1	514	158305	1.00E-133	262	269	97 +	121	389	101844	102112
UN57871	Rsa1.0.01453.1	746	45449	1.00E-147	322	341	94 +	48	378	25110	25450
UN57872	Rsa1.0.02719.1	782	28428	1.00E-120	284	304	93 +	3	295	6539	6842
UN57873	Rsa1.0.02079.1	266	35306	1.00E-68	174	184	94 -	50	227	10163	10344
UN57874	Rsa1.0.02034.1	740	35823	1.00E-158	329	341	96 -	17	353	11733	12072

UN57875	Rsa1.0.01112.1	735	310601	6.00E-76	202	217	93 +	3	216	290260	290476
UN57876	Rsa1.0.03514.1	688	22346	1.00E-119	233	238	97 -	32	269	19509	19746
UN57877	Rsa1.0.00654.1	445	70012	0	425	456	93 -	3	445	24909	25361
UN57878	Rsa1.0.04356.1	448	17764	0	444	449	98 +	1	448	10676	11123
UN57879	Rsa1.0.00782.1	660	64468	1.00E-128	248	253	98 +	5	257	17719	17971
UN57880	Rsa1.0.01945.1	641	36989	0	602	635	94 +	3	636	10725	11354
UN57881	Rsa1.0.01540.1	735	151890	1.00E-168	388	416	93 -	60	472	143152	143564
UN57882	Rsa1.0.04396.1	729	17561	1.00E-132	249	252	98 -	279	530	12761	13012
UN57883	Rsa1.0.00006.1	720	396176	1.00E-166	418	449	93 +	277	720	328636	329082
UN57884	Rsa1.0.00501.1	710	79545	0	549	564	97 -	151	710	58707	59270
UN57885	Rsa1.0.01356.1	667	47287	0	645	666	96 -	1	666	36980	37644
UN57886	Rsa1.0.00716.1	144	67078	2.00E-22	85	90	94 -	6	91	692	781
UN57887	Rsa1.0.00092.1	787	659932	1.00E-145	315	333	94 +	271	603	191762	192094
UN57888	Rsa1.0.09978.1	635	6055	0	457	479	95 -	152	625	138	613
UN57889	Rsa1.0.01298.1	787	48999	0	770	812	94 -	2	787	7314	8124
UN57890	Rsa1.0.00145.1	646	261008	5.00E-79	159	162	98 -	299	460	21092	21253
UN57891	Rsa1.0.00628.1	673	214360	1.00E-79	169	175	96 +	226	400	45588	45762
UN57892	Rsa1.0.03668.1	521	21483	1.00E-178	363	378	96 +	144	521	11438	11812
UN57893	Rsa1.0.01134.1	797	52829	1.00E-154	314	326	96 +	311	633	37381	37706
UN57894	Rsa1.0.37923.1	761	594	1.00E-177	356	367	97 -	155	521	1	365
UN57895	Rsa1.0.01245.1	313	149868	1.00E-132	296	314	94 -	1	313	37650	37963
UN57896	Rsa1.0.04418.1	644	17434	3.00E-65	133	135	98 +	61	195	12170	12304
UN57897	Rsa1.0.00816.1	402	403350	3.00E-61	157	168	93 +	1	168	110022	110183
UN57898	Rsa1.0.73721.1	722	311	3.00E-90	188	193	97 +	531	722	88	280
UN57899	Rsa1.0.50795.1	453	447	4.00E-85	187	195	95 -	265	453	254	447
UN57900	Rsa1.0.00070.1	635	150321	0	427	437	97 +	3	439	28272	28705
UN57901	Rsa1.0.01964.1	709	36702	0	587	629	93 -	86	709	11363	11973
UN57902	Rsa1.0.02515.1	739	30616	2.00E-97	203	209	97 -	177	384	5977	6185
UN57903	Rsa1.0.00094.1	375	139042	1.00E-94	206	216	95 +	1	216	96395	96610
UN57904	Rsa1.0.00190.1	543	318240	0	528	546	96 +	1	543	93274	93819
UN57905	Rsa1.0.19861.1	717	1373	3.00E-87	182	187	97 +	339	523	173	359
UN57906	Rsa1.0.14034.1	602	3890	1.00E-104	214	221	96 -	116	336	133	353
UN57907	Rsa1.0.00297.1	658	97836	1.00E-171	361	380	95 -	171	549	33828	34198
UN57908	Rsa1.0.02411.1	630	31655	1.00E-170	405	440	92 -	3	437	29046	29467
UN57909	Rsa1.0.04026.1	630	19508	0	566	612	92 -	36	630	5149	5752
UN57910	Rsa1.0.00287.1	544	98687	3.00E-89	278	315	88 +	35	349	53406	53720
UN57911	Rsa1.0.03393.1	630	23247	1.00E-82	159	160	99 +	108	267	17253	17412
UN57912	Rsa1.0.03623.1	480	21714	1.00E-106	222	230	96 -	71	300	3887	4113
UN57913	Rsa1.0.00489.1	568	80434	1.00E-167	309	313	98 -	255	567	7663	7975

UN57914	Rsa1.0.08133.1	766	7852	0	365	369	98 +	4	372	100	467
UN57915	Rsa1.0.01373.1	730	47052	1.00E-151	359	388	92 +	3	388	3549	3924
UN57916	Rsa1.0.00004.1	727	253996	4.00E-77	197	214	92 +	166	379	20103	20305
UN57917	Rsa1.0.02248.1	763	33414	1.00E-141	312	332	93 +	11	333	26078	26406
UN57918	Rsa1.0.01135.1	691	52799	0	379	382	99 +	1	382	24283	24664
UN57919	Rsa1.0.01364.1	742	47172	0	683	745	91 +	3	733	12009	12741
UN57920	Rsa1.0.00144.1	692	120708	1.00E-136	287	303	94 -	388	690	79412	79702
UN57921	Rsa1.0.00019.1	593	301669	0	376	385	97 -	209	593	186101	186485
UN57922	Rsa1.0.00321.1	226	95671	7.00E-36	93	97	95 +	9	104	19098	19194
UN57923	Rsa1.0.02004.1	777	169138	0	751	777	96 -	6	777	149446	150220
UN57924	Rsa1.0.00835.1	720	278058	1.00E-157	332	348	95 +	5	352	48760	49104
UN57925	Rsa1.0.04989.1	413	15217	1.00E-145	315	331	95 -	2	331	249	572
UN57926	Rsa1.0.02300.1	633	32847	2.00E-81	214	235	91 +	11	232	21458	21692
UN57927	Rsa1.0.52681.1	708	432	1.00E-178	328	332	98 -	91	422	101	432
UN57928	Rsa1.0.00898.1	381	202772	2.00E-96	239	254	94 +	129	379	8777	9028
UN57929	Rsa1.0.17223.1	797	1888	0	479	509	94 +	293	797	1217	1725
UN57930	Rsa1.0.00596.1	566	73578	1.00E-64	170	185	91 -	392	566	30915	31098
UN57931	#	#	#	#	#	#	#	#	#	#	#
UN57932	Rsa1.0.00288.1	783	98659	1.00E-177	375	394	95 +	4	396	13395	13788
UN57933	Rsa1.0.27339.1	654	857	1.00E-161	309	316	97 +	174	489	58	373
UN57934	Rsa1.0.02139.1	649	34686	0	510	522	97 -	128	649	28347	28868
UN57935	Rsa1.0.00389.1	725	88795	6.00E-70	171	185	92 -	3	176	33691	33875
UN57936	Rsa1.0.00025.1	260	277312	1.00E-46	104	107	97 -	78	184	117292	117398
UN57937	Rsa1.0.00816.1	685	403350	0	425	461	92 -	3	436	265674	266131
UN57938	Rsa1.0.00925.1	676	59481	1.00E-92	191	197	96 -	417	613	50311	50507
UN57939	Rsa1.0.00703.1	653	67597	1.00E-76	179	190	94 -	9	198	32491	32680
UN57940	Rsa1.0.16459.1	684	2148	1.00E-149	417	467	89 +	9	475	1639	2105
UN57941	Rsa1.0.03016.1	342	26000	4.00E-66	138	140	98 -	101	240	2871	3009
UN57942	Rsa1.0.01198.1	607	51029	1.00E-113	226	231	97 -	377	607	32064	32293
UN57943	Rsa1.0.16152.1	268	2264	1.00E-110	202	202	100 -	1	202	248	449
UN57944	Rsa1.0.00279.1	718	100039	1.00E-117	253	265	95 -	457	718	83441	83705
UN57945	Rsa1.0.00079.1	744	606987	1.00E-132	270	279	96 -	107	384	43203	43481
UN57946	Rsa1.0.01101.1	311	54031	6.00E-74	153	157	97 +	3	159	22032	22188
UN57947	Rsa1.0.09339.1	637	6444	1.00E-153	335	359	93 +	254	612	4728	5064
UN57948	Rsa1.0.01145.1	140	149247	2.00E-50	116	121	95 +	20	140	109706	109826
UN57949	Rsa1.0.00012.1	709	222148	1.00E-113	243	252	96 +	1	246	69125	69375
UN57950	Rsa1.0.00128.1	765	228675	1.00E-141	303	316	95 +	3	317	216103	216414
UN57951	Rsa1.0.00341.1	543	249309	2.00E-69	222	246	90 -	302	543	123994	124239
UN57952	Rsa1.0.00119.1	265	467509	2.00E-89	224	237	94 -	33	265	32100	32333

UN57953	#	#	#	#	#	#	#	#	#	#	#	#
UN57954	Rsa1.0.00017.1	732	752458	1.00E-136	259	262	98 +	14	275	204655	204915	
UN57955	Rsa1.0.01232.1	648	155185	3.00E-65	153	159	96 +	491	647	131378	131536	
UN57956	Rsa1.0.00069.1	305	403561	1.00E-141	292	305	95 -	1	305	353544	353848	
UN57957	Rsa1.0.02235.1	710	33615	0	367	370	99 -	1	370	19943	20312	
UN57958	Rsa1.0.01005.1	730	56967	8.00E-94	263	292	90 +	438	728	39743	40026	
UN57959	Rsa1.0.01294.1	780	49090	0	726	763	95 +	3	758	6067	6829	
UN57960	Rsa1.0.01206.1	649	50772	1.00E-130	320	348	91 -	311	648	27581	27928	
UN57961	Rsa1.0.02543.1	307	30302	1.00E-139	288	297	96 +	1	297	3813	4105	
UN57962	Rsa1.0.01328.1	192	48021	2.00E-88	183	189	96 +	1	189	11814	12002	
UN57963	Rsa1.0.00416.1	697	86772	0	497	516	96 +	166	679	74497	75006	
UN57964	Rsa1.0.02928.1	558	26680	1.00E-148	293	302	97 +	253	554	15618	15919	
UN57965	Rsa1.0.06952.1	680	10118	1.00E-166	317	324	97 -	295	618	640	963	
UN57966	Rsa1.0.02111.1	477	34913	1.00E-91	189	194	97 +	200	391	34579	34772	
UN57967	Rsa1.0.00105.1	706	134138	1.00E-141	287	297	96 +	41	337	105136	105430	
UN57968	Rsa1.0.00187.1	760	393093	1.00E-142	256	256	100 -	456	711	207308	207563	
UN57969	Rsa1.0.02219.1	751	33798	0	518	540	95 +	2	541	12104	12631	
UN57970	Rsa1.0.00048.1	414	167185	1.00E-177	383	400	95 -	21	414	81391	81784	
UN57971	Rsa1.0.01149.1	630	160459	3.00E-93	198	206	96 -	381	586	15999	16204	
UN57972	Rsa1.0.02658.1	772	28978	1.00E-110	215	219	98 -	353	571	6505	6723	
UN57973	Rsa1.0.00585.1	679	74164	1.00E-123	255	265	96 -	325	589	61931	62195	
UN57974	Rsa1.0.02366.1	808	32110	1.00E-136	290	298	97 -	478	770	9070	9367	
UN57975	Rsa1.0.02135.1	760	34713	0	676	717	94 +	52	747	7000	7709	
UN57976	Rsa1.0.03408.1	719	23154	1.00E-131	384	434	88 +	98	514	14533	14954	
UN57977	Rsa1.0.00657.1	708	69858	1.00E-112	243	255	95 +	15	269	661	906	
UN57978	Rsa1.0.00493.1	661	80007	0	629	663	94 +	3	661	3742	4401	
UN57979	Rsa1.0.00284.1	501	323267	0	471	504	93 -	2	501	232420	232921	
UN57980	Rsa1.0.00425.1	697	147080	3.00E-84	245	269	91 -	409	673	120276	120537	
UN57981	Rsa1.0.01509.1	697	44258	1.00E-169	418	456	91 +	1	447	330	776	
UN57982	Rsa1.0.03253.1	629	24321	1.00E-140	301	317	94 +	4	320	12367	12683	
UN57983	Rsa1.0.01358.1	643	47278	1.00E-27	270	336	80 -	32	366	23562	23896	
UN57984	Rsa1.0.09024.1	785	6703	0	504	525	96 +	8	532	5348	5872	
UN57985	Rsa1.0.02406.1	686	145276	5.00E-61	168	184	91 +	49	232	143166	143349	
UN57986	Rsa1.0.02575.1	696	29944	1.00E-147	282	288	97 +	21	308	2100	2387	
UN57987	Rsa1.0.00061.1	673	218685	1.00E-64	262	307	85 -	9	306	167440	167731	
UN57988	Rsa1.0.00173.1	649	288743	0	566	603	93 -	53	649	214591	215193	
UN57989	Rsa1.0.03804.1	671	20746	0	400	415	96 -	196	610	8031	8440	
UN57990	Rsa1.0.02786.1	648	27880	1.00E-177	372	388	95 -	262	648	18803	19185	
UN57991	Rsa1.0.00644.1	608	136881	2.33E-156	300	311	96 +	301	608	31373	31681	

UN57992	Rsa1.0.00509.1	761	78829	0	393	399	98 -	83	481	10013	10411
UN57993	Rsa1.0.05326.1	683	14139	1.00E-119	280	299	93 -	385	683	4920	5214
UN57994	Rsa1.0.03221.1	638	24535	1.00E-149	286	292	97 +	136	427	18543	18834
UN57995	Rsa1.0.02817.1	660	27644	0	635	659	96 -	2	660	10322	10977
UN57996	Rsa1.0.00537.1	718	186980	1.00E-177	412	443	93 +	279	714	163783	164222
UN57997	Rsa1.0.03309.1	366	23852	1.00E-137	277	287	96 -	2	288	18943	19229
UN57998	Rsa1.0.07650.1	111	8929	2.00E-56	111	111	100 +	1	111	5146	5256
UN57999	Rsa1.0.01943.1	263	37042	1.00E-83	199	214	92 +	1	208	30688	30894
UN58000	Rsa1.0.06859.1	653	10248	1.00E-125	295	319	92 -	100	418	6019	6328
UN58001	Rsa1.0.05673.1	572	12980	1.00E-150	296	304	97 -	268	571	10008	10308
UN58002	Rsa1.0.00086.1	718	439854	0	694	720	96 -	1	718	369920	370631
UN58003	Rsa1.0.00092.1	655	659932	1.00E-123	253	261	96 +	1	260	113906	114166
UN58004	Rsa1.0.16170.1	423	2258	1.00E-103	288	315	91 -	117	421	1231	1542
UN58005	Rsa1.0.19324.1	734	1447	1.00E-135	268	276	97 -	453	728	1029	1304
UN58006	Rsa1.0.07236.1	503	9680	1.00E-110	271	292	92 +	1	286	1168	1456
UN58007	Rsa1.0.00030.1	698	250988	1.00E-101	214	223	95 -	246	468	29830	30052
UN58008	Rsa1.0.04159.1	504	18795	9.00E-99	201	207	97 +	112	318	10338	10544
UN58009	Rsa1.0.03302.1	718	23898	0	686	718	95 +	2	718	10354	11071
UN58010	Rsa1.0.01147.1	738	52391	0	427	445	95 -	294	738	42361	42805
UN58011	Rsa1.0.02062.1	562	35485	0	543	565	96 -	1	562	7628	8192
UN58012	Rsa1.0.00608.1	620	172672	0	598	619	96 -	1	619	163235	163845
UN58013	Rsa1.0.03075.1	699	25560	1.00E-102	216	224	96 +	478	699	14646	14869
UN58014	Rsa1.0.00632.1	644	183777	1.00E-129	310	334	92 +	323	644	14434	14767
UN58015	Rsa1.0.15613.1	496	2519	3.00E-61	129	132	97 +	156	287	249	380
UN58016	Rsa1.0.00340.1	677	305782	0	434	443	97 -	235	677	6867	7308
UN58017	Rsa1.0.01769.1	486	39568	0	418	442	94 -	48	486	32132	32571
UN58018	Rsa1.0.00129.1	208	126831	1.00E-100	185	185	100 -	24	208	39529	39713
UN58019	Rsa1.0.00139.1	554	357786	1.00E-155	287	290	98 +	1	290	149017	149306
UN58020	Rsa1.0.00985.1	609	161950	1.00E-100	201	206	97 +	231	436	49457	49662
UN58021	Rsa1.0.00052.1	608	162771	1.00E-142	371	405	91 +	183	585	80480	80879
UN58022	Rsa1.0.01348.1	697	47569	2.00E-81	277	318	87 +	380	697	4461	4778
UN58023	Rsa1.0.00701.1	155	67691	2.00E-44	129	143	90 +	3	145	21407	21540
UN58024	Rsa1.0.00366.1	510	90880	1.00E-164	312	318	98 -	196	510	9239	9556
UN58025	Rsa1.0.00161.1	504	116891	1.00E-70	154	160	96 +	84	243	56381	56540
UN58026	Rsa1.0.00190.1	695	318240	1.00E-122	296	321	92 -	320	632	91484	91801
UN58027	Rsa1.0.20140.1	585	1335	1.00E-103	211	218	96 -	59	276	242	459
UN58028	Rsa1.0.06336.1	701	11215	1.00E-166	430	476	90 +	40	491	8160	8624
UN58029	Rsa1.0.06590.1	742	10706	0	501	530	94 -	148	660	2959	3488
UN58030	Rsa1.0.09579.1	387	6274	2.00E-62	171	190	90 +	161	350	5329	5505

UN58031	Rsa1.0.07818.1	584	8477	0	556	582	95 +	2	579	163	741
UN58032	Rsa1.0.01659.1	144	164577	2.00E-22	66	70	94 +	73	142	17728	17797
UN58033	Rsa1.0.00389.1	305	88795	3.00E-66	155	162	95 -	1	159	33691	33851
UN58034	Rsa1.0.01527.1	645	43905	1.00E-129	322	353	91 +	180	532	3571	3908
UN58035	Rsa1.0.59786.1	637	383	1.00E-177	355	365	97 +	272	634	1	363
UN58036	Rsa1.0.08182.1	382	7776	3.00E-76	152	153	99 -	1	152	5212	5364
UN58037	Rsa1.0.01513.1	282	44234	2.00E-67	145	150	96 -	125	274	38141	38290
UN58038	Rsa1.0.28770.1	697	803	1.00E-120	246	255	96 -	2	256	221	475
UN58039	Rsa1.0.07331.1	453	9548	1.00E-127	249	255	97 -	3	257	3629	3883
UN58040	Rsa1.0.01122.1	746	53369	0	356	366	97 +	3	368	38952	39309
UN58041	Rsa1.0.00001.1	533	363028	1.00E-136	323	344	93 -	193	533	290716	291052
UN58042	Rsa1.0.00100.1	714	249232	1.00E-156	285	287	99 -	127	413	117508	117794
UN58043	Rsa1.0.00001.1	635	363028	1.00E-137	253	255	99 +	238	492	239851	240105
UN58044	Rsa1.0.34142.1	780	663	1.00E-159	308	316	97 +	220	535	347	662
UN58045	Rsa1.0.07663.1	688	8879	4.00E-77	162	167	97 -	304	470	5723	5889
UN58046	Rsa1.0.01685.1	650	175033	0	506	531	95 +	115	644	6310	6839
UN58047	Rsa1.0.76149.1	778	301	1.00E-126	242	246	98 +	63	308	1	246
UN58048	Rsa1.0.06647.1	675	10604	0	654	692	94 +	2	675	5394	6085
UN58049	Rsa1.0.00826.1	697	166736	1.00E-112	235	245	95 -	115	359	154378	154622
UN58050	Rsa1.0.00737.1	632	66432	0	574	586	97 -	2	585	51879	52464
UN58051	Rsa1.0.00332.1	568	94575	1.00E-157	379	405	93 +	176	568	74767	75168
UN58052	Rsa1.0.00064.1	116	240927	1.00E-20	105	118	88 +	1	116	218212	218326
UN58053	Rsa1.0.02652.1	713	29038	0	681	729	93 +	4	713	398	1125
UN58054	Rsa1.0.02104.1	454	34985	1.00E-122	291	307	94 +	153	454	23511	23812
UN58055	Rsa1.0.02648.1	552	29073	2.00E-87	234	255	91 +	293	544	28376	28620
UN58056	Rsa1.0.32526.1	333	700	6.00E-99	276	299	92 +	2	291	34	330
UN58057	Rsa1.0.00070.1	682	150321	1.00E-144	319	339	94 -	344	682	59770	60108
UN58058	Rsa1.0.00949.1	728	58549	0	706	729	96 +	3	728	53194	53922
UN58059	Rsa1.0.00648.1	613	70351	5.00E-73	191	209	91 +	406	613	9530	9726
UN58060	Rsa1.0.00725.1	636	66757	0	382	401	95 +	196	596	43137	43537
UN58061	Rsa1.0.15499.1	649	2570	1.00E-101	246	266	92 -	113	366	1132	1397
UN58062	Rsa1.0.00130.1	674	125737	1.00E-155	304	312	97 +	295	603	76637	76948
UN58063	Rsa1.0.00087.1	638	761073	2.00E-84	171	175	97 -	218	392	278974	279148
UN58064	Rsa1.0.01844.1	639	38421	0	436	461	94 +	119	576	8408	8868
UN58065	Rsa1.0.00524.1	627	169613	0	386	396	97 +	232	627	141781	142176
UN58066	Rsa1.0.00051.1	676	258225	0	351	357	98 -	2	358	23407	23763
UN58067	Rsa1.0.04444.1	652	17320	1.00E-155	354	378	93 -	3	365	11592	11969
UN58068	Rsa1.0.09174.1	724	6580	1.00E-101	232	244	95 +	1	242	5726	5969
UN58069	Rsa1.0.00748.1	709	65983	6.00E-73	155	160	96 -	348	507	16394	16553

UN58070	Rsa1.0.00323.1	705	159650	0	405	429	94 -	245	667	13045	13473
UN58071	Rsa1.0.00092.1	737	659932	4.00E-74	160	166	96 +	79	244	439077	439242
UN58072	Rsa1.0.16521.1	669	2125	1.00E-160	296	299	98 -	3	301	1431	1729
UN58073	Rsa1.0.00813.1	634	63202	7.00E-97	248	266	93 +	371	634	51291	51552
UN58074	Rsa1.0.00666.1	675	69505	1.00E-162	355	373	95 +	305	675	8565	8935
UN58075	Rsa1.0.00709.1	596	67329	0	570	595	95 +	2	591	30576	31168
UN58076	Rsa1.0.01970.1	615	36648	0	599	615	97 +	1	615	1887	2501
UN58077	Rsa1.0.00718.1	467	279335	0	382	400	95 +	57	450	235035	235434
UN58078	Rsa1.0.06513.1	241	10869	2.00E-98	213	224	95 -	2	218	1	224
UN58079	Rsa1.0.00376.1	747	90101	0	403	423	95 -	328	747	35114	35535
UN58080	Rsa1.0.04960.1	765	15321	0	505	519	97 -	251	761	9728	10246
UN58081	Rsa1.0.00159.1	724	431686	1.00E-180	338	344	98 -	2	345	409473	409816
UN58082	Rsa1.0.03631.1	702	21647	0	688	700	98 +	3	702	7902	8598
UN58083	Rsa1.0.00873.1	621	61459	1.00E-70	160	168	95 -	178	345	14109	14276
UN58084	Rsa1.0.02319.1	720	32580	1.00E-113	292	320	91 +	3	309	15638	15951
UN58085	Rsa1.0.00009.1	736	232558	0	557	577	96 -	2	578	71154	71730
UN58086	Rsa1.0.00050.1	734	237174	0	461	481	95 +	237	716	7595	8075
UN58087	Rsa1.0.02072.1	655	35401	1.00E-126	259	269	96 -	234	502	6534	6802
UN58088	Rsa1.0.00512.1	598	200277	1.00E-124	238	242	98 +	325	566	63228	63469
UN58089	Rsa1.0.00123.1	625	325650	0	478	488	97 -	2	489	35241	35728
UN58090	Rsa1.0.07914.1	769	8294	1.00E-153	306	315	97 +	456	769	1883	2197
UN58091	Rsa1.0.02745.1	752	28263	9.00E-72	264	305	86 -	3	295	10794	11098
UN58092	Rsa1.0.00485.1	581	80937	0	564	592	95 -	3	581	32430	33021
UN58093	Rsa1.0.07555.1	631	9139	1.00E-102	204	209	97 -	168	376	2123	2331
UN58094	Rsa1.0.08430.1	743	7367	0	361	368	98 +	52	419	624	991
UN58095	Rsa1.0.00171.1	675	115622	0	480	493	97 -	107	599	113872	114364
UN58096	Rsa1.0.00105.1	741	134138	1.00E-128	285	302	94 +	89	387	40537	40838
UN58097	Rsa1.0.04243.1	663	18321	0	382	397	96 -	71	467	5629	6025
UN58098	Rsa1.0.00273.1	632	326186	5.00E-76	186	199	93 -	107	302	40601	40799
UN58099	Rsa1.0.04584.1	725	16756	0	461	479	96 -	251	725	12390	12866
UN58100	Rsa1.0.00222.1	702	172263	0	512	536	95 -	170	702	23213	23745
UN58101	Rsa1.0.01815.1	751	38897	0	532	535	99 -	200	734	14408	14942
UN58102	Rsa1.0.00178.1	702	114861	0	497	531	93 -	1	529	28587	29113
UN58103	Rsa1.0.00130.1	767	125737	7.00E-88	174	177	98 +	454	630	4175	4351
UN58104	Rsa1.0.08532.1	555	7228	0	540	569	94 +	2	555	5325	5891
UN58105	Rsa1.0.00566.1	608	75325	9.00E-84	161	162	99 -	195	356	38088	38249
UN58106	Rsa1.0.03101.1	665	25410	1.00E-118	227	231	98 +	23	253	5690	5920
UN58107	Rsa1.0.00078.1	695	175053	0	367	379	96 -	8	386	131869	132247
UN58108	Rsa1.0.02099.1	735	35030	1.00E-117	232	238	97 -	2	239	27260	27497

UN58109	Rsa1.0.00576.1	756	178949	0	687	725	94 +	1	715	24192	24902
UN58110	Rsa1.0.01905.1	771	37450	8.00E-91	255	287	88 -	231	496	34864	35150
UN58111	Rsa1.0.00329.1	714	222544	0	411	423	97 -	293	712	41417	41839
UN58112	Rsa1.0.00894.1	764	269700	0	396	425	93 -	9	414	25792	26216
UN58113	Rsa1.0.01730.1	658	40223	1.00E-161	330	344	95 +	315	658	35176	35519
UN58114	Rsa1.0.00308.1	709	96915	1.00E-157	347	368	94 +	337	704	81326	81685
UN58115	Rsa1.0.00145.1	582	261008	1.00E-122	406	467	86 +	122	557	75205	75662
UN58116	Rsa1.0.00876.1	613	61328	2.00E-93	258	284	90 -	1	280	37103	37386
UN58117	Rsa1.0.04215.1	654	18437	0	612	659	92 +	6	649	7587	8237
UN58118	Rsa1.0.01198.1	695	51029	0	451	467	96 -	225	691	25799	26258
UN58119	#	#	#	#	#	#	#	#	#	#	#
UN58120	Rsa1.0.21578.1	453	1190	2.00E-71	155	161	96 -	162	322	684	844
UN58121	Rsa1.0.01344.1	741	142535	1.00E-103	264	289	91 +	32	307	15328	15613
UN58122	Rsa1.0.01740.1	737	39986	0	548	563	97 -	176	737	4872	5434
UN58123	Rsa1.0.04882.1	540	15606	1.00E-138	320	342	93 -	201	539	7133	7472
UN58124	Rsa1.0.00621.1	669	71840	1.00E-147	317	334	94 +	3	332	37651	37984
UN58125	Rsa1.0.00028.1	687	293984	0	343	349	98 -	166	514	66786	67134
UN58126	Rsa1.0.02400.1	177	31750	2.00E-51	164	183	89 -	1	177	18269	18451
UN58127	Rsa1.0.00963.1	780	58176	0	744	788	94 -	2	775	32498	33275
UN58128	Rsa1.0.00569.1	633	75060	1.00E-164	372	397	93 +	3	397	64241	64628
UN58129	Rsa1.0.01937.1	714	37147	0	400	421	95 -	296	714	23947	24367
UN58130	Rsa1.0.00471.1	692	81897	1.00E-156	308	316	97 -	3	318	11867	12181
UN58131	Rsa1.0.00098.1	743	349239	1.00E-140	331	352	94 -	400	743	238578	238928
UN58132	Rsa1.0.00503.1	720	79468	1.00E-95	199	206	96 +	33	238	67251	67456
UN58133	Rsa1.0.02496.1	642	30814	1.00E-115	255	267	95 +	378	642	9253	9519
UN58134	Rsa1.0.01310.1	592	164719	1.00E-132	295	311	94 +	2	307	11649	11957
UN58135	Rsa1.0.00745.1	694	66067	0	541	563	96 +	133	694	42176	42735
UN58136	Rsa1.0.04450.1	624	17297	0	576	600	96 +	29	624	11966	12562
UN58137	Rsa1.0.00868.1	658	61630	1.00E-130	239	240	99 +	198	437	46860	47099
UN58138	Rsa1.0.04890.1	223	15591	1.00E-77	175	181	96 +	46	223	9190	9368
UN58139	Rsa1.0.07861.1	666	8406	0	654	668	97 +	3	666	6144	6811
UN58140	Rsa1.0.01818.1	687	38837	1.00E-120	253	264	95 +	8	271	29977	30240
UN58141	Rsa1.0.07482.1	764	9278	1.00E-159	310	316	98 -	449	764	2180	2493
UN58142	Rsa1.0.01539.1	768	43698	1.00E-95	196	202	97 -	451	652	38016	38217
UN58143	Rsa1.0.00071.1	586	345714	1.00E-157	321	333	96 -	242	573	311999	312331
UN58144	Rsa1.0.00620.1	424	71985	1.00E-140	301	317	94 +	108	424	8178	8494
UN58145	Rsa1.0.00044.1	749	271658	1.00E-171	344	356	96 +	3	356	185706	186061
UN58146	Rsa1.0.02777.1	634	27986	1.00E-125	259	268	96 -	240	506	6968	7235
UN58147	Rsa1.0.00972.1	403	57937	2.00E-93	195	202	96 -	1	202	53820	54021

UN58148	Rsa1.0.01326.1	685	48072	0	397	422	94 +	254	672	38864	39279
UN58149	Rsa1.0.01258.1	385	49755	4.00E-63	132	135	97 -	63	197	22587	22721
UN58150	Rsa1.0.00077.1	834	145005	2.00E-88	187	194	96 -	273	466	47502	47695
UN58151	Rsa1.0.04808.1	643	15893	1.00E-171	396	426	92 -	3	423	13072	13488
UN58152	Rsa1.0.19466.1	760	1427	1.00E-137	323	349	92 -	174	516	1091	1427
UN58153	Rsa1.0.01583.1	631	156297	2.00E-63	145	152	95 -	94	245	130377	130528
UN58154	Rsa1.0.02129.1	659	34757	7.00E-57	139	147	94 -	70	216	3428	3571
UN58155	Rsa1.0.00887.1	775	61048	3.00E-90	191	197	96 +	236	431	49405	49601
UN58156	Rsa1.0.04310.1	492	17994	3.00E-86	224	242	92 -	227	466	1790	2031
UN58157	Rsa1.0.00374.1	687	165738	1.00E-173	374	396	94 -	288	673	133014	133409
UN58158	Rsa1.0.01534.1	782	43764	0	369	378	97 -	406	779	21467	21844
UN58159	Rsa1.0.21881.1	768	1167	5.00E-61	120	120	100 +	147	266	1048	1167
UN58160	Rsa1.0.03356.1	772	23487	0	606	625	96 -	21	645	7096	7717
UN58161	Rsa1.0.06278.1	744	11333	1.00E-151	304	315	96 +	3	317	4832	5146
UN58162	Rsa1.0.11052.1	796	5632	0	781	832	93 +	2	796	3729	4560
UN58163	Rsa1.0.00697.1	691	67913	1.00E-138	326	351	92 -	349	690	38301	38651
UN58164	Rsa1.0.01573.1	640	42964	1.00E-180	378	398	94 -	143	540	17377	17768
UN58165	Rsa1.0.00551.1	749	76227	1.00E-100	234	245	95 -	444	684	55677	55920
UN58166	Rsa1.0.00051.1	655	258225	0	465	482	96 -	165	646	2685	3162
UN58167	Rsa1.0.06643.1	526	10615	2.00E-59	304	365	83 -	43	404	9683	10044
UN58168	Rsa1.0.00233.1	612	104918	1.00E-170	370	391	94 -	49	438	79217	79607
UN58169	Rsa1.0.00301.1	594	365315	0	373	387	96 +	209	594	84625	85011
UN58170	Rsa1.0.01104.1	685	285480	1.00E-118	254	265	95 -	405	668	107189	107450
UN58171	Rsa1.0.00781.1	671	64480	1.00E-148	286	290	98 +	374	662	1199	1487
UN58172	Rsa1.0.02826.1	546	27560	0	496	524	94 +	23	546	18166	18689
UN58173	Rsa1.0.02097.1	385	35036	2.00E-96	245	263	93 +	125	385	19172	19433
UN58174	Rsa1.0.00092.1	627	659932	1.00E-116	240	248	96 -	338	583	127591	127838
UN58175	Rsa1.0.01121.1	620	53407	1.00E-149	345	371	92 -	1	371	27465	27829
UN58176	Rsa1.0.00423.1	643	86138	0	430	456	94 -	75	530	8117	8569
UN58177	Rsa1.0.00762.1	703	165246	1.00E-139	257	259	99 +	3	261	25959	26217
UN58178	Rsa1.0.14532.1	629	3293	1.00E-101	228	242	94 -	15	250	111	352
UN58179	Rsa1.0.00119.1	744	467509	4.00E-68	153	160	95 +	349	508	389081	389240
UN58180	Rsa1.0.00185.1	812	248445	0	552	576	95 +	242	812	214700	215275
UN58181	Rsa1.0.00033.1	754	515811	1.00E-173	343	354	96 -	15	368	131617	131967
UN58182	Rsa1.0.03640.1	763	21624	1.00E-138	267	273	97 -	184	456	16093	16365
UN58183	Rsa1.0.00505.1	697	79323	1.00E-139	302	319	94 +	165	483	10759	11077
UN58184	Rsa1.0.01272.1	415	49553	1.00E-115	376	435	86 -	1	415	37260	37668
UN58185	Rsa1.0.00201.1	656	232851	0	608	628	96 -	32	656	209388	210015
UN58186	Rsa1.0.00482.1	645	81162	1.00E-147	277	281	98 -	296	576	69356	69636

UN58187	Rsa1.0.45557.1	400	495	1.00E-131	290	313	92 +	88	400	77	367
UN58188	Rsa1.0.02991.1	804	26178	2.00E-63	180	193	93 -	619	804	7033	7224
UN58189	Rsa1.0.00805.1	262	63724	1.00E-111	251	264	95 +	1	262	5628	5886
UN58190	Rsa1.0.01515.1	702	170864	0	526	560	93 -	80	633	158805	159364
UN58191	Rsa1.0.00728.1	179	66704	5.00E-70	170	178	95 -	2	179	15828	16002
UN58192	Rsa1.0.00220.1	643	192936	1.00E-79	194	207	93 -	2	207	144276	144482
UN58193	Rsa1.0.00552.1	279	206757	1.00E-128	269	280	96 +	3	279	195146	195422
UN58194	Rsa1.0.00512.1	702	200277	1.00E-104	235	249	94 +	79	327	61460	61708
UN58195	Rsa1.0.01317.1	651	48287	0	552	579	95 +	3	581	34096	34673
UN58196	Rsa1.0.00325.1	610	95371	1.00E-131	264	273	96 +	237	509	79215	79487
UN58197	Rsa1.0.00136.1	710	122464	0	554	569	97 +	145	710	77555	78120
UN58198	Rsa1.0.00905.1	323	60110	1.00E-142	280	288	97 -	1	288	7811	8098
UN58199	Rsa1.0.00015.1	690	561803	0	672	692	97 +	2	690	374345	375031
UN58200	Rsa1.0.56626.1	671	404	1.00E-174	368	385	95 +	250	633	21	404
UN58201	Rsa1.0.00198.1	774	222963	0	581	624	93 +	159	774	138000	138620
UN58202	Rsa1.0.00652.1	612	70089	0	519	569	91 +	1	550	46938	47497
UN58203	Rsa1.0.00112.1	658	132199	1.00E-111	246	258	95 +	3	257	55435	55691
UN58204	Rsa1.0.00372.1	670	90418	0	633	671	94 +	3	670	18170	18837
UN58205	Rsa1.0.00307.1	614	199003	0	335	337	99 -	1	337	172427	172763
UN58206	Rsa1.0.01997.1	513	158416	1.00E-124	234	237	98 +	17	253	15015	15251
UN58207	Rsa1.0.00892.1	701	60703	0	676	701	96 -	2	699	48190	48889
UN58208	Rsa1.0.07444.1	663	9386	1.00E-108	205	207	99 -	94	300	2001	2207
UN58209	Rsa1.0.00586.1	647	163802	1.00E-130	260	268	97 +	225	492	153732	153999
UN58210	Rsa1.0.00107.1	729	431659	0	589	645	91 +	61	703	280664	281296
UN58211	Rsa1.0.02574.1	716	29954	1.00E-176	337	345	97 +	147	491	26290	26634
UN58212	Rsa1.0.06887.1	663	10208	0	436	448	97 +	5	452	2592	3039
UN58213	Rsa1.0.00275.1	705	210104	1.00E-103	205	210	97 +	64	273	164586	164795
UN58214	Rsa1.0.00045.1	735	328694	1.00E-110	248	263	94 +	3	265	11924	12186
UN58215	Rsa1.0.02673.1	654	28877	0	548	577	94 +	78	654	9279	9847
UN58216	Rsa1.0.01394.1	751	46641	0	712	751	94 +	3	751	36713	37459
UN58217	Rsa1.0.02735.1	639	28344	3.00E-93	207	218	94 +	12	229	25440	25657
UN58218	Rsa1.0.02248.1	732	33414	3.00E-84	165	167	98 -	383	549	13032	13198
UN58219	Rsa1.0.05051.1	746	15018	2.00E-48	99	99	100 -	440	538	14722	14820
UN58220	Rsa1.0.01161.1	451	52029	1.00E-32	90	96	93 +	289	384	37047	37142
UN58221	Rsa1.0.03257.1	742	24305	0	495	498	99 -	246	742	7497	7994
UN58222	Rsa1.0.01420.1	742	46210	1.00E-95	184	186	98 +	281	466	7399	7584
UN58223	Rsa1.0.00744.1	696	66084	6.00E-79	153	154	99 +	392	545	52957	53110
UN58224	Rsa1.0.62130.1	779	369	0	363	369	98 -	93	461	1	369
UN58225	Rsa1.0.07756.1	695	8634	0	605	625	96 -	75	695	6913	7533

UN58226	Rsa1.0.00107.1	686	431659	0	538	562	95 -	1	556	87540	88089
UN58227	Rsa1.0.00254.1	509	102600	2.00E-65	166	178	93 +	11	188	17820	17995
UN58228	Rsa1.0.00237.1	712	235974	0	394	403	97 -	3	404	70772	71174
UN58229	Rsa1.0.00876.1	752	61328	1.00E-130	266	275	96 -	447	719	36515	36789
UN58230	Rsa1.0.00289.1	191	98620	2.00E-79	180	190	94 -	2	191	85925	86114
UN58231	Rsa1.0.04033.1	437	19481	2.00E-96	191	195	97 -	2	196	9206	9400
UN58232	Rsa1.0.04510.1	653	17033	4.00E-55	116	118	98 +	375	492	9821	9938
UN58233	Rsa1.0.00798.1	714	63945	1.00E-163	330	341	96 -	5	341	41969	42309
UN58234	Rsa1.0.02946.1	596	26537	2.00E-97	289	324	89 +	230	553	463	774
UN58235	Rsa1.0.01971.1	401	36641	1.00E-153	318	330	96 +	75	401	10966	11291
UN58236	#	#	#	#	#	#	#	#	#	#	#
UN58237	Rsa1.0.02729.1	185	28394	9.00E-78	153	155	98 +	1	155	19152	19306
UN58238	Rsa1.0.01185.1	672	149842	3.00E-37	105	112	93 -	511	621	119345	119456
UN58239	Rsa1.0.00111.1	708	390088	0	484	509	95 +	202	703	177208	177714
UN58240	Rsa1.0.28998.1	645	796	0	344	346	99 +	244	589	435	780
UN58241	Rsa1.0.00041.1	663	186197	1.00E-110	217	222	97 -	317	538	134294	134515
UN58242	Rsa1.0.00171.1	733	115622	1.00E-131	288	302	95 -	7	304	52232	52530
UN58243	Rsa1.0.12592.1	696	5180	0	668	694	96 -	3	696	384	1075
UN58244	Rsa1.0.12857.1	445	5096	1.00E-141	296	308	96 +	133	440	2329	2632
UN58245	Rsa1.0.00612.1	712	72376	1.00E-162	314	321	97 -	391	710	63306	63626
UN58246	Rsa1.0.01634.1	710	41865	1.00E-100	203	209	97 -	386	594	39398	39606
UN58247	Rsa1.0.03713.1	729	21221	1.00E-107	212	217	97 +	455	671	17371	17587
UN58248	Rsa1.0.03744.1	777	21053	0	410	423	96 -	354	774	1716	2138
UN58249	Rsa1.0.03406.1	420	23159	1.00E-101	202	207	97 +	1	207	15796	16002
UN58250	Rsa1.0.00128.1	713	228675	1.00E-100	254	279	91 -	41	307	120447	120725
UN58251	Rsa1.0.00467.1	783	156542	1.00E-114	272	287	94 +	501	779	77638	77924
UN58252	Rsa1.0.00924.1	616	59524	1.00E-179	343	350	98 +	268	616	30403	30752
UN58253	Rsa1.0.09117.1	727	6637	1.00E-154	327	346	94 -	3	336	2458	2803
UN58254	Rsa1.0.17727.1	659	1755	2.00E-57	132	138	95 +	178	315	832	969
UN58255	Rsa1.0.00048.1	631	167185	2.00E-78	195	207	94 -	3	204	157461	157667
UN58256	Rsa1.0.00048.1	606	167185	1.00E-101	211	219	96 -	388	606	75878	76096
UN58257	Rsa1.0.01053.1	721	55483	1.00E-109	228	237	96 -	136	372	39611	39847
UN58258	Rsa1.0.04063.1	781	19300	1.00E-109	219	225	97 +	1	225	9805	10029
UN58259	Rsa1.0.02195.1	633	34024	0	468	481	97 +	148	628	23726	24205
UN58260	Rsa1.0.03169.1	708	24826	1.00E-165	319	327	97 -	82	408	21963	22289
UN58261	Rsa1.0.01183.1	725	51465	0	439	459	95 -	3	460	44480	44929
UN58262	Rsa1.0.03204.1	740	24622	1.00E-163	322	331	97 -	70	394	6070	6400
UN58263	Rsa1.0.07263.1	696	9644	0	584	633	92 +	64	696	4439	5071
UN58264	Rsa1.0.00426.1	799	85668	0	417	435	95 -	223	657	31242	31676

UN58265	Rsa1.0.00697.1	473	67913	7.00E-87	224	240	93 +	3	236	54368	54606
UN58266	Rsa1.0.00116.1	687	365886	1.00E-110	217	222	97 +	2	223	128380	128601
UN58267	Rsa1.0.00017.1	464	752458	5.00E-63	132	135	97 +	194	328	359032	359166
UN58268	Rsa1.0.04002.1	160	19608	2.00E-60	130	134	97 +	1	134	16883	17016
UN58269	Rsa1.0.00039.1	727	296927	0	716	727	98 +	2	727	58364	59090
UN58270	Rsa1.0.00017.1	743	752458	0	406	424	95 +	214	637	517153	517573
UN58271	Rsa1.0.00703.1	698	67597	0	609	634	96 +	62	694	25184	25817
UN58272	Rsa1.0.00189.1	637	111830	0	606	634	95 +	1	633	61123	61755
UN58273	Rsa1.0.00938.1	715	193891	0	623	645	96 +	77	715	179936	180580
UN58274	Rsa1.0.00326.1	598	171955	1.00E-122	254	263	96 -	298	554	67413	67675
UN58275	Rsa1.0.00009.1	198	232558	2.00E-88	172	173	99 +	3	174	128132	128304
UN58276	Rsa1.0.00652.1	419	70089	6.00E-87	196	207	94 -	4	210	61355	61561
UN58277	Rsa1.0.01634.1	713	41865	1.00E-166	393	427	92 +	1	406	32895	33321
UN58278	Rsa1.0.00003.1	669	340054	2.00E-97	214	225	95 -	84	308	278263	278487
UN58279	Rsa1.0.00203.1	684	109129	9.00E-81	198	213	92 +	123	335	22484	22696
UN58280	Rsa1.0.00002.1	462	601661	1.00E-155	320	333	96 +	125	457	557976	558306
UN58281	Rsa1.0.00034.1	340	260119	7.00E-40	87	88	98 -	253	340	239826	239913
UN58282	Rsa1.0.00476.1	717	280966	0	594	612	97 +	3	612	158312	158922
UN58283	Rsa1.0.01020.1	697	56619	2.00E-72	172	183	93 +	509	691	33443	33625
UN58284	Rsa1.0.01604.1	745	42461	1.00E-161	357	376	94 -	375	745	40254	40626
UN58285	Rsa1.0.00916.1	465	59789	5.00E-91	179	182	98 +	45	226	35105	35286
UN58286	Rsa1.0.03107.1	700	25349	0	369	375	98 -	328	700	18572	18945
UN58287	Rsa1.0.07757.1	637	8633	1.00E-123	233	236	98 -	12	247	1773	2008
UN58288	Rsa1.0.00300.1	644	97747	1.00E-100	221	229	96 +	131	356	29635	29862
UN58289	Rsa1.0.00026.1	794	327835	0	588	644	91 -	107	747	304393	304999
UN58290	Rsa1.0.00420.1	622	86496	1.00E-115	263	284	92 -	2	270	41205	41488
UN58291	Rsa1.0.00020.1	632	283099	1.00E-177	348	359	96 -	153	511	20914	21272
UN58292	Rsa1.0.00306.1	645	146760	4.00E-98	375	445	84 -	6	426	92285	92711
UN58293	Rsa1.0.04478.1	221	17183	1.00E-40	132	144	91 +	1	137	2245	2386
UN58294	Rsa1.0.01731.1	649	40208	0	482	503	95 +	149	649	19840	20337
UN58295	Rsa1.0.00100.1	729	249232	1.00E-86	181	187	96 -	264	450	15510	15696
UN58296	Rsa1.0.01153.1	658	52264	1.00E-103	282	308	91 +	3	302	34412	34716
UN58297	Rsa1.0.00959.1	435	58202	1.00E-161	349	367	95 +	1	365	968	1323
UN58298	Rsa1.0.00208.1	700	108565	1.00E-170	339	351	96 -	2	352	61499	61849
UN58299	Rsa1.0.00262.1	822	101906	1.00E-122	270	284	95 +	10	289	81287	81570
UN58300	Rsa1.0.00663.1	143	164969	1.00E-54	127	132	96 -	8	139	101090	101220
UN58301	Rsa1.0.06151.1	514	11612	1.00E-167	372	393	94 -	122	514	9793	10181
UN58302	Rsa1.0.01874.1	152	37853	6.00E-63	140	146	95 +	3	148	23898	24043
UN58303	Rsa1.0.02149.1	740	148330	0	347	353	98 -	382	733	31722	32074

UN58304	Rsa1.0.00327.1	780	94892	8.00E-97	215	225	95 -	2	223	18711	18933
UN58305	Rsa1.0.00018.1	827	410899	0	776	813	95 +	18	821	173316	174128
UN58306	Rsa1.0.04415.1	715	147889	0	525	567	92 +	2	567	132357	132905
UN58307	Rsa1.0.00003.1	809	340054	8.00E-91	242	261	92 -	1	258	190660	190918
UN58308	Rsa1.0.02478.1	173	150183	1.00E-73	167	172	97 -	1	170	137010	137180
UN58309	Rsa1.0.00005.1	769	353093	0	681	701	97 -	72	769	296909	297609
UN58310	Rsa1.0.02769.1	656	28107	1.00E-161	303	308	98 -	182	489	20934	21241
UN58311	Rsa1.0.02373.1	108	32048	2.00E-40	102	108	94 +	1	108	8906	9013
UN58312	Rsa1.0.00288.1	605	98659	1.00E-177	379	398	95 +	134	531	82911	83305
UN58313	Rsa1.0.03319.1	587	23767	2.00E-87	179	184	97 +	324	507	11651	11834
UN58314	Rsa1.0.03543.1	791	22185	1.00E-176	353	365	96 +	7	371	1847	2205
UN58315	Rsa1.0.08728.1	725	6995	1.00E-125	343	383	89 +	6	372	1866	2235
UN58316	Rsa1.0.08285.1	607	7606	4.00E-98	208	216	96 +	212	427	2320	2532
UN58317	Rsa1.0.00093.1	530	214962	3.00E-89	191	198	96 +	7	202	97777	97974
UN58318	Rsa1.0.05134.1	670	143181	0	621	645	96 +	26	668	137769	138410
UN58319	Rsa1.0.05570.1	104	13301	7.00E-37	96	102	94 -	1	102	11236	11337
UN58320	Rsa1.0.00419.1	733	86562	1.00E-172	339	350	96 +	378	727	73557	73906
UN58321	Rsa1.0.00045.1	745	328694	1.00E-138	298	313	95 -	1	310	14422	14731
UN58322	Rsa1.0.00657.1	859	69858	1.00E-126	318	345	92 +	8	346	3223	3556
UN58323	Rsa1.0.00017.1	778	752458	1.00E-131	290	306	94 +	1	305	604946	605251
UN58324	Rsa1.0.00841.1	110	183065	2.00E-34	98	106	92 +	1	106	6346	6451
UN58325	Rsa1.0.00273.1	598	326186	1.00E-88	268	300	89 +	1	283	2506	2803
UN58326	Rsa1.0.01512.1	174	44234	4.00E-55	158	173	91 +	3	174	33125	33297
UN58327	Rsa1.0.00013.1	768	292129	9.00E-66	167	180	92 -	334	513	27966	28145
UN58328	Rsa1.0.00265.1	661	220635	1.00E-172	436	472	92 +	1	458	159691	160158
UN58329	Rsa1.0.01261.1	189	49744	1.00E-36	99	106	93 +	81	186	22860	22965
UN58330	Rsa1.0.00058.1	647	159921	1.00E-133	333	364	91 +	7	359	54210	54573
UN58331	Rsa1.0.02901.1	715	26909	0	660	750	88 +	1	715	19348	20067
UN58332	Rsa1.0.01581.1	148	42833	6.00E-60	138	145	95 -	1	145	29046	29190
UN58333	Rsa1.0.01812.1	225	38956	2.00E-91	209	222	94 -	4	225	25049	25270
UN58334	Rsa1.0.00166.1	183	240912	2.00E-44	106	111	95 -	2	112	135472	135582
UN58335	Rsa1.0.00247.1	529	103408	1.00E-124	293	314	93 +	3	309	64844	65154
UN58336	Rsa1.0.03618.1	120	21744	2.00E-28	106	120	88 +	1	120	11053	11172
UN58337	Rsa1.0.02646.1	757	29123	1.00E-145	302	317	95 -	15	331	14950	15257
UN58338	Rsa1.0.01507.1	111	44361	2.00E-12	43	45	95 -	12	56	21372	21416
UN58339	Rsa1.0.01765.1	730	39640	1.00E-18	55	57	96 +	561	617	31988	32044
UN58340	Rsa1.0.03612.1	767	21784	0	730	770	94 -	1	764	9674	10439
UN58341	Rsa1.0.00136.1	111	122464	1.00E-13	51	55	92 -	1	55	28451	28505
UN58342	Rsa1.0.06247.1	654	11395	1.00E-155	359	384	93 -	18	394	7116	7498

UN58343	Rsa1.0.00116.1	362	365886	1.00E-166	346	362	95 -	1	362	83451	83810
UN58344	Rsa1.0.01278.1	605	49370	1.00E-160	435	482	90 -	112	592	9756	10236
UN58345	Rsa1.0.02695.1	766	28605	0	666	691	96 +	3	685	12256	12943
UN58346	Rsa1.0.03944.1	139	19926	2.00E-44	127	139	91 +	1	139	10427	10565
UN58347	Rsa1.0.03656.1	872	21552	0	493	536	91 +	1	526	11893	12421
UN58348	Rsa1.0.02939.1	742	26595	0	469	497	94 +	3	490	16786	17273
UN58349	Rsa1.0.05423.1	730	13800	0	423	451	93 +	7	452	7558	8000
UN58350	Rsa1.0.01934.1	130	37162	9.00E-37	110	119	92 +	5	118	1902	2020
UN58351	Rsa1.0.02301.1	575	32835	0	533	565	94 -	12	575	20505	21067
UN58352	Rsa1.0.01997.1	702	158416	0	677	713	94 -	2	702	3907	4617
UN58353	Rsa1.0.01099.1	359	158481	1.00E-122	271	285	95 +	1	283	14082	14365
UN58354	Rsa1.0.00203.1	761	109129	0	691	707	97 +	2	708	91283	91989
UN58355	Rsa1.0.04428.1	756	17399	0	520	538	96 -	219	756	7477	8014
UN58356	Rsa1.0.01669.1	362	41286	1.00E-133	333	361	92 +	1	359	11528	11879
UN58357	Rsa1.0.00336.1	805	445051	1.00E-156	433	474	91 +	18	475	200806	201275
UN58358	Rsa1.0.01355.1	177	47303	3.00E-62	160	173	92 -	5	177	39685	39857
UN58359	Rsa1.0.00484.1	554	203294	0	500	521	95 +	3	521	126952	127468
UN58360	Rsa1.0.00591.1	613	73789	1.00E-162	313	321	97 +	1	321	36011	36331
UN58361	Rsa1.0.74365.1	502	308	1.00E-118	240	248	96 +	1	248	61	308
UN58362	Rsa1.0.00327.1	620	94892	0	558	592	94 +	15	606	68955	69534
UN58363	Rsa1.0.00351.1	163	413096	2.00E-41	150	169	88 +	1	163	244523	244689
UN58364	Rsa1.0.04868.1	222	15670	8.00E-85	204	219	93 +	1	219	6794	7012
UN58365	Rsa1.0.00047.1	371	168582	1.00E-123	336	370	90 -	10	371	16759	17126
UN58366	Rsa1.0.00152.1	407	257730	1.00E-126	328	360	91 -	6	363	210420	210779
UN58367	Rsa1.0.00034.1	654	260119	2.00E-75	159	164	96 +	338	501	158357	158520
UN58368	Rsa1.0.00553.1	750	75983	8.00E-97	227	241	94 -	44	279	31383	31623
UN58369	Rsa1.0.19592.1	543	1410	1.00E-156	336	355	94 +	189	543	121	475
UN58370	Rsa1.0.00483.1	448	81102	1.00E-160	383	408	93 -	1	403	51013	51417
UN58371	Rsa1.0.00092.1	156	659932	8.00E-50	142	156	91 +	1	156	175851	176006
UN58372	Rsa1.0.00026.1	626	327835	6.00E-94	328	376	87 +	55	407	53001	53368
UN58373	Rsa1.0.04786.1	731	15988	1.00E-134	321	347	92 +	1	333	13450	13796
UN58374	Rsa1.0.14856.1	743	3010	1.00E-137	323	342	94 -	1	339	2281	2619
UN58375	Rsa1.0.00457.1	810	337301	0	784	809	96 -	1	809	176899	177706
UN58376	Rsa1.0.00194.1	594	110851	1.00E-122	383	433	88 +	1	414	17464	17885
UN58377	Rsa1.0.01847.1	679	38346	0	512	544	94 -	4	531	3801	4344
UN58378	Rsa1.0.15691.1	844	2479	1.00E-71	197	212	92 +	2	209	1463	1672
UN58379	Rsa1.0.00093.1	361	214962	1.00E-170	346	359	96 +	4	361	83930	84288
UN58380	Rsa1.0.00752.1	223	65756	1.00E-77	189	203	93 -	13	215	14309	14511
UN58381	Rsa1.0.06124.1	526	11681	2.00E-87	200	212	94 -	14	225	1043	1254

UN58382	Rsa1.0.06041.1	691	11861	0	426	434	98 +	28	458	9352	9785
UN58383	Rsa1.0.41178.1	592	545	3.00E-68	135	136	99 +	175	310	205	340
UN58384	Rsa1.0.03352.1	565	23506	1.00E-82	180	188	95 +	188	375	18148	18335
UN58385	Rsa1.0.01060.1	692	55368	0	419	432	96 -	1	432	42156	42587
UN58386	Rsa1.0.00913.1	745	59914	0	415	429	96 -	311	739	10822	11250
UN58387	Rsa1.0.00214.1	787	107508	0	414	437	94 -	3	431	103190	103626
UN58388	Rsa1.0.00618.1	366	72195	1.00E-173	352	364	96 -	2	365	19701	20058
UN58389	Rsa1.0.00183.1	314	113277	1.00E-118	267	283	94 -	2	283	67155	67437
UN58390	Rsa1.0.01690.1	289	40939	1.00E-114	269	289	93 +	1	289	25720	26008
UN58391	Rsa1.0.00707.1	182	190112	4.00E-77	173	182	95 +	1	182	7571	7752
UN58392	Rsa1.0.02644.1	766	29176	0	725	751	96 -	18	766	10163	10913
UN58393	Rsa1.0.00369.1	184	266462	2.00E-69	170	181	93 -	5	184	169934	170114
UN58394	Rsa1.0.00252.1	367	102760	1.00E-118	333	369	90 -	2	367	44817	45172
UN58395	Rsa1.0.00208.1	354	108565	1.00E-135	273	282	96 +	33	314	7689	7968
UN58396	Rsa1.0.01543.1	662	43645	1.00E-115	223	227	98 +	5	231	37960	38186
UN58397	Rsa1.0.02605.1	756	29637	0	620	669	92 -	114	756	16318	16981
UN58398	#	#	#	#	#	#	#	#	#	#	#
UN58399	Rsa1.0.00804.1	186	63726	6.00E-11	92	108	85 -	61	168	46483	46584
UN58400	Rsa1.0.00076.1	587	146021	0	567	585	96 -	7	587	67195	67778
UN58401	Rsa1.0.03944.1	359	19926	9.00E-61	155	166	93 -	16	181	9994	10157
UN58402	Rsa1.0.00575.1	718	74791	0	676	739	91 +	1	716	62743	63479
UN58403	Rsa1.0.01016.1	186	181422	1.00E-70	156	163	95 -	20	182	3640	3802
UN58404	Rsa1.0.04536.1	741	16947	1.00E-122	243	250	97 +	1	250	8800	9049
UN58405	Rsa1.0.01632.1	104	181224	3.00E-36	95	101	94 +	3	103	168376	168476
UN58406	Rsa1.0.00071.1	222	345714	1.00E-103	214	222	96 -	1	222	4165	4386
UN58407	Rsa1.0.00504.1	718	79334	1.00E-131	251	255	98 +	2	253	30118	30372
UN58408	Rsa1.0.02642.1	701	29181	0	678	702	96 -	1	701	13536	14237
UN58409	Rsa1.0.01053.1	730	55483	1.00E-123	240	245	97 +	374	618	41035	41279
UN58410	Rsa1.0.03794.1	628	20825	0	607	627	96 +	2	628	2052	2675
UN58411	Rsa1.0.03183.1	730	24755	0	422	446	94 +	1	446	15415	15852
UN58412	Rsa1.0.00145.1	671	261008	1.00E-100	251	269	93 +	2	259	38596	38861
UN58413	Rsa1.0.00133.1	614	123768	1.00E-169	378	398	94 -	8	401	9867	10259
UN58414	Rsa1.0.00278.1	133	231896	1.00E-32	113	127	88 -	7	133	150576	150702
UN58415	Rsa1.0.01713.1	383	40564	1.00E-81	224	248	90 +	1	236	30448	30695
UN58416	Rsa1.0.02457.1	700	31208	1.00E-133	297	314	94 -	3	311	12120	12433
UN58417	Rsa1.0.00048.1	720	167185	1.00E-73	147	149	98 -	534	682	149922	150070
UN58418	Rsa1.0.00359.1	452	91256	6.00E-84	210	224	93 -	1	219	90578	90801
UN58419	Rsa1.0.02144.1	511	34630	0	482	504	95 -	9	511	3032	3530
UN58420	Rsa1.0.00689.1	145	68305	1.00E-63	138	143	96 +	3	145	12907	13049

UN58460	Rsa1.0.00288.1	787	98659	1.00E-109	270	291	92 -	16	306	16369	16655
UN58461	Rsa1.0.29038.1	242	794	6.00E-95	224	238	94 -	9	242	170	407
UN58462	Rsa1.0.01146.1	778	163455	1.00E-103	203	207	98 -	240	446	24783	24989
UN58463	Rsa1.0.02139.1	693	34686	0	672	695	96 +	1	693	27692	28382
UN58464	Rsa1.0.00925.1	219	59481	6.00E-64	139	144	96 +	71	214	49474	49617
UN58465	Rsa1.0.01561.1	110	43227	3.00E-39	91	94	96 -	14	107	28627	28720
UN58466	Rsa1.0.01198.1	181	51029	7.00E-63	165	178	92 +	4	181	32056	32232
UN58467	Rsa1.0.74161.1	702	309	1.00E-154	283	284	99 +	75	357	1	284
UN58468	Rsa1.0.02658.1	197	28978	3.00E-65	153	162	94 +	1	162	17922	18083
UN58469	Rsa1.0.03404.1	525	23177	1.00E-144	305	320	95 -	162	481	11583	11902
UN58470	Rsa1.0.01232.1	427	155185	2.00E-96	212	223	95 -	199	421	131817	132039
UN58471	Rsa1.0.02028.1	118	35857	4.00E-23	61	63	96 +	1	63	4143	4205
UN58472	Rsa1.0.00318.1	585	96094	1.00E-98	227	239	94 -	3	240	79852	80089
UN58473	Rsa1.0.01978.1	727	36546	0	703	715	98 +	1	715	4335	5047
UN58474	Rsa1.0.00635.1	136	175826	4.00E-42	125	137	91 +	3	136	14173	14309
UN58475	Rsa1.0.00162.1	471	239935	1.00E-170	331	341	97 -	7	347	12315	12648
UN58476	Rsa1.0.04395.1	201	17570	3.00E-53	121	126	96 +	1	126	10159	10284
UN58477	Rsa1.0.02991.1	501	26178	1.00E-109	288	317	90 +	2	304	20729	21039
UN58478	Rsa1.0.00105.1	832	134138	0	474	493	96 -	313	799	106820	107306
UN58479	Rsa1.0.01978.1	175	36546	6.00E-85	171	175	97 -	1	175	28725	28899
UN58480	Rsa1.0.01196.1	804	51097	0	380	386	98 -	419	804	6756	7140
UN58481	Rsa1.0.00045.1	303	328694	1.00E-105	202	205	98 -	1	205	16514	16718
UN58482	Rsa1.0.03408.1	781	23154	5.00E-92	245	268	91 -	1	267	16946	17213
UN58483	Rsa1.0.00657.1	539	69858	0	518	546	94 -	1	537	1889	2434
UN58484	Rsa1.0.00916.1	139	59789	3.00E-61	134	139	96 -	1	139	30464	30602
UN58485	Rsa1.0.01042.1	735	293264	1.00E-126	370	415	89 +	97	504	161694	162095
UN58486	Rsa1.0.00409.1	112	146788	2.00E-28	97	108	89 -	1	108	119522	119629
UN58487	Rsa1.0.00173.1	435	288743	1.00E-138	356	391	91 +	14	388	213837	214225
UN58488	Rsa1.0.00920.1	453	601703	1.00E-110	256	274	93 +	180	453	442210	442483
UN58489	Rsa1.0.19598.1	804	1409	0	609	662	91 -	22	681	253	893
UN58490	Rsa1.0.00537.1	871	186980	0	831	859	96 -	2	859	165296	166148
UN58491	Rsa1.0.05043.1	527	15044	1.00E-102	236	251	94 +	1	249	13772	14022
UN58492	Rsa1.0.00128.1	465	228675	5.00E-54	111	112	99 +	354	465	158832	158943
UN58493	Rsa1.0.00470.1	343	81968	4.00E-72	181	192	94 +	1	188	51416	51606
UN58494	Rsa1.0.00369.1	307	266462	1.00E-101	240	258	93 -	46	303	169545	169802
UN58495	Rsa1.0.00949.1	346	58549	1.00E-47	112	117	95 +	185	301	9898	10014
UN58496	Rsa1.0.00086.1	669	439854	0	653	669	97 +	1	669	369041	369708
UN58497	Rsa1.0.00610.1	622	72740	0	515	547	94 +	3	549	44561	45104
UN58498	Rsa1.0.00025.1	700	277312	0	614	641	95 -	63	700	68115	68750

UN58499	Rsa1.0.00092.1	796	659932	0	741	776	95 -	1	761	114955	115730
UN58500	Rsa1.0.07695.1	406	8770	1.00E-143	311	329	94 -	11	339	3190	3518
UN58501	Rsa1.0.00030.1	741	250988	2.00E-75	147	148	99 +	414	561	28259	28406
UN58502	Rsa1.0.04159.1	571	18795	0	423	441	95 -	1	437	11135	11571
UN58503	Rsa1.0.01094.1	155	167285	3.00E-74	150	153	98 +	1	153	17472	17624
UN58504	Rsa1.0.01147.1	656	52391	0	645	656	98 +	1	656	41471	42126
UN58505	Rsa1.0.00369.1	129	266462	4.00E-36	115	127	90 -	3	129	169982	170105
UN58506	Rsa1.0.07673.1	341	8850	1.00E-130	313	337	92 +	5	341	8224	8556
UN58507	Rsa1.0.00699.1	803	184398	1.00E-149	319	333	95 +	7	334	55752	56083
UN58508	Rsa1.0.00701.1	440	67691	0	422	439	96 -	1	439	39780	40214
UN58509	Rsa1.0.00182.1	725	142305	7.00E-20	72	79	91 +	339	417	83978	84056
UN58510	Rsa1.0.00128.1	331	228675	1.00E-142	279	287	97 +	45	331	116359	116645
UN58511	Rsa1.0.16218.1	646	2240	1.00E-76	263	300	87 +	16	311	80	374
UN58512	Rsa1.0.01348.1	239	47569	1.00E-21	80	89	89 -	1	89	5151	5239
UN58513	Rsa1.0.00170.1	482	179538	7.00E-84	186	193	96 +	3	193	141334	141525
UN58514	Rsa1.0.01179.1	613	51549	0	589	625	94 -	1	613	17412	18036
UN58515	Rsa1.0.07426.1	247	9413	1.00E-117	235	242	97 +	1	242	1224	1465
UN58516	Rsa1.0.00673.1	710	69325	6.00E-48	107	110	97 +	601	710	54368	54477
UN58517	Rsa1.0.06590.1	795	10706	0	412	429	96 +	344	769	2006	2428
UN58518	Rsa1.0.00907.1	171	60062	1.00E-82	167	171	97 +	1	171	48869	49039
UN58519	Rsa1.0.02949.1	663	26506	1.00E-150	302	312	96 -	318	626	4000	4311
UN58520	Rsa1.0.00482.1	476	81162	3.00E-98	234	249	93 +	1	248	60475	60721
UN58521	Rsa1.0.00639.1	327	165873	9.00E-61	146	154	94 +	1	152	142914	143067
UN58522	Rsa1.0.01513.1	130	44234	7.00E-50	127	134	94 +	1	130	36921	37054
UN58523	Rsa1.0.03799.1	117	20775	1.00E-29	78	82	95 +	1	82	17416	17497
UN58524	Rsa1.0.00162.1	786	239935	1.00E-126	259	265	97 -	1	263	25199	25461
UN58525	Rsa1.0.03700.1	211	21299	4.00E-34	83	86	96 -	1	86	954	1039
UN58526	Rsa1.0.01168.1	482	153765	1.00E-134	303	322	94 +	158	478	44255	44576
UN58527	Rsa1.0.59476.1	750	385	1.00E-150	290	297	97 +	454	750	1	297
UN58528	Rsa1.0.01569.1	694	43029	7.00E-88	270	303	89 -	3	292	38883	39184
UN58529	Rsa1.0.01685.1	729	175033	1.00E-178	370	388	95 -	353	729	7645	8032
UN58530	Rsa1.0.00974.1	382	57893	9.00E-86	170	173	98 +	55	227	4877	5049
UN58531	Rsa1.0.00737.1	706	66432	1.00E-153	341	358	95 +	1	347	51264	51618
UN58532	Rsa1.0.02652.1	758	29038	0	453	468	96 -	292	758	3032	3499
UN58533	Rsa1.0.04139.1	123	18883	5.00E-38	107	116	92 +	1	116	13367	13482
UN58534	Rsa1.0.04333.1	734	17865	1.00E-177	401	428	93 +	5	419	10700	11121
UN58535	Rsa1.0.04332.1	313	17869	1.00E-123	291	311	93 +	5	313	16113	16423
UN58536	Rsa1.0.03294.1	782	23971	3.00E-99	208	216	96 -	292	507	4277	4492
UN58537	Rsa1.0.15967.1	265	2337	8.00E-33	129	145	88 -	5	147	538	678

UN58538	Rsa1.0.00130.1	118	125737	2.00E-19	76	85	89 -	3	87	77692	77776
UN58539	Rsa1.0.01844.1	577	38421	1.00E-174	491	549	89 -	38	577	10248	10793
UN58540	Rsa1.0.00381.1	488	89718	1.00E-60	185	207	89 +	282	488	75168	75374
UN58541	Rsa1.0.14336.1	837	3503	0	798	803	99 +	3	805	930	1732
UN58542	Rsa1.0.00051.1	266	258225	2.00E-92	178	180	98 +	85	264	22179	22358
UN58543	Rsa1.0.01134.1	132	52829	1.00E-26	85	93	91 +	38	130	41979	42071
UN58544	Rsa1.0.02210.1	226	33857	4.00E-96	219	231	94 -	1	226	29331	29561
UN58545	Rsa1.0.00092.1	848	659932	3.00E-93	190	194	97 -	17	210	443401	443593
UN58546	Rsa1.0.16521.1	178	2125	1.00E-79	171	178	96 +	1	178	7	184
UN58547	Rsa1.0.02101.1	482	35017	0	457	482	94 -	1	482	14502	14974
UN58548	Rsa1.0.00666.1	578	69505	0	547	575	95 -	8	576	9321	9890
UN58549	Rsa1.0.00154.1	275	189461	3.00E-69	254	285	89 +	1	275	79485	79767
UN58550	Rsa1.0.03631.1	768	21647	0	577	605	95 -	69	673	9052	9638
UN58551	Rsa1.0.00050.1	241	237174	3.00E-72	195	214	91 -	28	241	7862	8075
UN58552	Rsa1.0.04415.1	242	147889	2.00E-45	105	109	96 +	32	140	141474	141582
UN58553	Rsa1.0.01674.1	540	168300	1.00E-156	298	304	98 +	5	308	7681	7984
UN58554	Rsa1.0.00123.1	230	325650	1.00E-119	225	228	98 +	3	230	34019	34246
UN58555	Rsa1.0.00017.1	642	752458	1.00E-103	240	254	94 +	4	256	290309	290560
UN58556	Rsa1.0.01201.1	745	50856	0	681	705	96 -	1	702	6024	6728
UN58557	Rsa1.0.01283.1	328	49257	9.00E-98	222	233	95 -	1	233	16633	16863
UN58558	Rsa1.0.00502.1	750	204180	0	723	752	96 +	4	750	32130	32874
UN58559	Rsa1.0.03101.1	494	25410	0	374	387	96 -	56	442	7075	7461
UN58560	Rsa1.0.02099.1	726	35030	0	677	710	95 +	1	710	24861	25570
UN58561	Rsa1.0.00576.1	810	178949	0	754	826	91 -	9	810	25869	26671
UN58562	Rsa1.0.08994.1	796	6724	1.00E-160	322	332	96 -	64	392	3405	3735
UN58563	Rsa1.0.00813.1	728	63202	0	465	486	95 -	2	485	51191	51665
UN58564	Rsa1.0.00656.1	159	69968	5.00E-73	154	159	96 -	1	159	39279	39437
UN58565	Rsa1.0.00065.1	513	454616	0	442	462	95 +	17	465	125181	125642
UN58566	Rsa1.0.01135.1	611	52799	0	530	550	96 +	11	558	44886	45435
UN58567	Rsa1.0.00789.1	511	64233	1.00E-110	286	309	92 -	1	305	24999	25306
UN58568	Rsa1.0.01110.1	361	195852	1.00E-114	265	281	94 +	3	278	173575	173854
UN58569	Rsa1.0.01200.1	229	50895	1.00E-105	220	229	96 +	1	229	30219	30447
UN58570	Rsa1.0.00552.1	154	206757	7.00E-38	95	100	95 +	14	113	73003	73102
UN58571	Rsa1.0.00621.1	418	71840	2.00E-68	253	289	87 -	5	281	40569	40857
UN58572	Rsa1.0.02688.1	112	28644	3.00E-39	104	110	94 +	1	109	9675	9784
UN58573	Rsa1.0.00028.1	705	293984	0	672	726	92 +	3	705	65856	66579
UN58574	Rsa1.0.02400.1	156	31750	3.00E-74	150	153	98 +	1	153	17369	17521
UN58575	Rsa1.0.00963.1	549	58176	2.00E-44	138	151	91 +	226	375	30596	30744
UN58576	Rsa1.0.04651.1	262	16516	5.00E-40	90	92	97 +	144	235	9618	9709

UN58577	Rsa1.0.02655.1	490	29027	1.00E-148	300	310	96 -	9	317	16785	17094
UN58578	Rsa1.0.00620.1	208	71985	1.00E-92	199	208	95 -	1	208	8551	8758
UN58579	Rsa1.0.00077.1	825	145005	0	356	366	97 +	1	365	44613	44978
UN58580	Rsa1.0.04808.1	792	15893	0	753	811	92 +	3	792	11477	12286
UN58581	Rsa1.0.00017.1	492	752458	2.00E-62	188	209	89 -	44	238	30157	30362
UN58582	Rsa1.0.04310.1	683	17994	3.00E-99	202	208	97 +	263	470	957	1164
UN58583	Rsa1.0.00374.1	680	165738	0	456	470	97 +	11	480	131823	132291
UN58584	Rsa1.0.00238.1	101	193193	7.00E-43	97	100	97 -	1	100	190372	190471
UN58585	Rsa1.0.05383.1	257	13962	3.00E-38	108	117	92 +	40	156	5947	6063
UN58586	Rsa1.0.07818.1	150	8477	9.00E-56	128	134	95 -	17	150	610	743
UN58587	Rsa1.0.04612.1	797	16647	1.00E-145	313	326	96 -	1	322	15528	15850
UN58588	Rsa1.0.00477.1	626	81556	0	418	443	94 +	9	444	23852	24283
UN58589	Rsa1.0.01857.1	727	38103	1.00E-110	206	207	99 +	518	724	9697	9903
UN58590	Rsa1.0.01573.1	775	42964	0	401	418	95 +	4	411	15021	15436
UN58591	Rsa1.0.02210.1	678	33857	0	473	476	99 -	203	678	5881	6356
UN58592	Rsa1.0.14913.1	316	2969	1.00E-136	301	318	94 -	1	313	649	966
UN58593	Rsa1.0.02826.1	550	27560	0	518	573	90 -	3	548	19982	20551
UN58594	Rsa1.0.02097.1	385	35036	3.00E-82	239	263	90 -	1	261	19172	19433
UN58595	Rsa1.0.04282.1	870	18100	1.00E-111	207	208	99 -	491	698	8337	8544
UN58596	#	#	#	#	#	#	#	#	#	#	#
UN58597	Rsa1.0.00092.1	875	659932	0	782	818	95 +	1	812	125890	126699
UN58598	Rsa1.0.00423.1	763	86138	0	609	636	95 +	1	633	6077	6708
UN58599	Rsa1.0.01328.1	610	48021	1.00E-88	200	210	95 -	1	210	17797	18005
UN58600	Rsa1.0.00822.1	675	62891	1.00E-158	295	299	98 -	348	646	46963	47261
UN58601	Rsa1.0.00119.1	746	467509	1.00E-139	288	299	96 -	1	299	390249	390546
UN58602	Rsa1.0.00505.1	718	79323	0	681	718	94 -	1	718	11072	11777
UN58603	Rsa1.0.01553.1	158	43379	2.00E-41	101	106	95 -	53	158	26255	26360
UN58604	Rsa1.0.00253.1	191	231292	5.00E-70	173	186	93 +	1	186	204739	204924
UN58605	Rsa1.0.03471.1	483	22678	0	465	485	95 -	1	483	1116	1599
UN58606	Rsa1.0.01515.1	733	170864	0	439	463	94 +	271	733	157969	158431
UN58607	Rsa1.0.00087.1	194	761073	1.00E-61	176	194	90 -	1	194	433318	433508
UN58608	Rsa1.0.01252.1	369	49847	1.00E-102	235	248	94 +	4	248	35552	35799
UN58609	Rsa1.0.00472.1	773	398134	0	587	611	96 +	22	625	178757	179360
UN58610	Rsa1.0.00325.1	613	95371	1.00E-114	333	378	88 -	1	361	80478	80841
UN58611	Rsa1.0.01405.1	366	46445	1.00E-139	338	366	92 +	1	366	12858	13217
UN58612	Rsa1.0.00556.1	316	207212	1.00E-101	210	218	96 +	1	218	137557	137774
UN58613	Rsa1.0.00198.1	498	222963	0	456	489	93 -	10	498	138606	139089
UN58614	Rsa1.0.03043.1	716	130531	1.00E-143	344	366	93 +	2	364	128240	128603
UN58615	Rsa1.0.00112.1	138	132199	5.00E-54	128	135	94 -	1	135	55783	55917

UN58616	Rsa1.0.01768.1	407	138463	2.00E-56	127	132	96 -	17	148	110165	110296
UN58617	Rsa1.0.04200.1	631	18490	1.00E-98	233	249	93 +	386	631	12934	13182
UN58618	Rsa1.0.00111.1	241	390088	3.00E-47	211	243	86 -	3	238	334659	334897
UN58619	Rsa1.0.00178.1	239	114861	9.00E-88	182	188	96 +	5	192	98555	98742
UN58620	Rsa1.0.04124.1	588	18945	6.00E-94	184	187	98 +	363	549	6999	7185
UN58621	Rsa1.0.00057.1	547	160473	0	499	542	92 -	1	536	39501	40042
UN58622	Rsa1.0.02735.1	391	28344	2.00E-52	114	117	97 -	143	259	27551	27667
UN58623	Rsa1.0.00805.1	480	63724	1.00E-161	334	348	95 -	1	348	5509	5851
UN58624	Rsa1.0.02207.1	489	33914	0	469	493	95 +	5	486	33321	33811
UN58625	Rsa1.0.00159.1	576	431686	0	557	598	93 +	1	576	270398	270992
UN58626	Rsa1.0.00301.1	734	365315	0	706	733	96 -	4	734	48215	48940
UN58627	Rsa1.0.07808.1	729	8504	0	499	517	96 +	22	537	212	727
UN58628	Rsa1.0.00632.1	133	183777	2.00E-41	119	130	91 +	1	130	149183	149312
UN58629	Rsa1.0.00045.1	521	328694	1.00E-173	381	405	94 -	9	404	314632	315036
UN58630	Rsa1.0.00222.1	745	172263	4.00E-86	203	213	95 +	15	223	57631	57843
UN58631	Rsa1.0.00915.1	510	194446	3.00E-92	304	346	87 -	178	510	18149	18493
UN58632	Rsa1.0.17174.1	734	1901	1.00E-126	257	265	96 +	10	274	782	1045
UN58633	Rsa1.0.00111.1	806	390088	0	757	789	95 -	1	788	178097	178884
UN58634	Rsa1.0.00017.1	101	752458	5.00E-16	46	47	97 +	11	57	141944	141990
UN58635	Rsa1.0.63231.1	428	363	3.00E-70	150	155	96 -	23	177	89	243
UN58636	Rsa1.0.00041.1	542	186197	1.00E-97	205	213	96 +	265	477	133364	133576
UN58637	Rsa1.0.01537.1	765	187285	1.00E-80	274	305	89 +	1	301	9543	9829
UN58638	Rsa1.0.01659.1	625	164577	0	589	626	94 -	6	625	179	797
UN58639	Rsa1.0.00682.1	101	68680	3.00E-17	89	101	88 -	1	101	3280	3378
UN58640	Rsa1.0.00018.1	187	410899	5.00E-33	158	185	85 -	5	184	262699	262883
UN58641	Rsa1.0.00612.1	712	72376	1.00E-151	290	295	98 +	410	702	62988	63282
UN58642	Rsa1.0.00224.1	679	327530	3.00E-65	169	184	91 +	38	221	204806	204981
UN58643	Rsa1.0.00128.1	682	228675	1.00E-106	213	219	97 +	237	455	118114	118332
UN58644	Rsa1.0.01272.1	726	49553	0	478	523	91 -	23	527	18808	19319
UN58645	Rsa1.0.06258.1	154	11371	1.00E-48	141	154	91 -	3	154	4334	4483
UN58646	Rsa1.0.03853.1	666	20447	1.00E-135	272	281	96 -	84	364	14042	14322
UN58647	Rsa1.0.01131.1	610	52928	2.00E-23	116	133	87 -	428	558	804	936
UN58648	Rsa1.0.00991.1	474	143101	0	451	481	93 -	1	474	134501	134976
UN58649	#	#	#	#	#	#	#	#	#	#	#
UN58650	Rsa1.0.01183.1	810	51465	1.00E-113	232	239	97 +	2	239	42662	42900
UN58651	Rsa1.0.00937.1	567	59061	0	541	568	95 -	1	566	22804	23369
UN58652	Rsa1.0.01586.1	748	42804	0	688	743	92 +	6	747	36665	37401
UN58653	Rsa1.0.01611.1	723	42269	0	365	368	99 +	3	369	38051	38418
UN58654	Rsa1.0.00190.1	804	318240	1.00E-142	386	429	89 +	1	427	196708	197113

UN58655	Rsa1.0_01375.1	542	47038	6.00E-94	199	207	96 -	1	207	38063	38269
UN58656	Rsa1.0_00344.1	107	191774	2.00E-37	100	107	93 +	1	107	156610	156716
UN58657	Rsa1.0_11160.1	324	5600	1.00E-100	236	251	94 -	1	249	1870	2118
UN58658	Rsa1.0_03781.1	349	20891	1.00E-131	304	323	94 +	13	331	5241	5562
UN58659	Rsa1.0_00017.1	732	752458	0	701	729	96 -	4	732	361020	361736
UN58660	Rsa1.0_00017.1	777	752458	0	447	461	96 -	313	773	518035	518495
UN58661	Rsa1.0_00703.1	718	67597	0	446	491	90 -	1	483	26906	27374
UN58662	Rsa1.0_00189.1	582	111830	0	549	597	91 -	1	579	62540	63134
UN58663	Rsa1.0_00101.1	689	267193	1.00E-168	418	451	92 -	1	444	182115	182556
UN58664	Rsa1.0_01005.1	755	56967	0	331	333	99 +	312	644	8492	8824
UN58665	Rsa1.0_00017.1	721	752458	1.00E-123	295	316	93 -	27	337	160917	161230
UN58666	Rsa1.0_00858.1	182	61892	2.00E-48	116	122	95 -	1	122	32973	33094
UN58667	Rsa1.0_00003.1	590	340054	1.00E-127	376	421	89 +	1	416	276991	277397
UN58668	Rsa1.0_00203.1	113	109129	2.00E-18	62	67	92 -	43	109	22935	23001
UN58669	Rsa1.0_00002.1	401	601661	1.00E-125	350	387	90 -	15	401	558292	558674
UN58670	Rsa1.0_04192.1	585	18572	1.00E-156	343	364	94 +	155	518	12500	12863
UN58671	Rsa1.0_00777.1	128	191865	5.00E-57	124	128	96 +	1	128	142789	142916
UN58672	Rsa1.0_00490.1	762	186713	0	498	509	97 +	1	508	52339	52847
UN58673	Rsa1.0_00435.1	745	317579	3.00E-96	241	263	91 +	1	259	67389	67641
UN58674	Rsa1.0_00026.1	693	327835	0	524	561	93 +	127	685	300610	301167
UN58675	Rsa1.0_00020.1	640	283099	0	618	647	95 +	1	640	19842	20484
UN58676	Rsa1.0_00306.1	304	146760	1.00E-44	119	128	92 +	85	212	89633	89760
UN58677	Rsa1.0_00239.1	269	104332	2.00E-86	195	206	94 +	1	206	97378	97583
UN58678	Rsa1.0_00100.1	682	249232	0	388	399	97 +	1	399	14029	14423
UN58679	Rsa1.0_00037.1	691	307838	1.00E-154	309	319	96 -	324	642	261462	261777
UN58680	Rsa1.0_03019.1	364	25987	5.00E-84	195	205	95 +	4	208	17431	17632
UN58681	Rsa1.0_00344.1	773	191774	0	458	483	94 -	19	498	108987	109465
UN58682	Rsa1.0_00208.1	674	108565	0	407	429	94 +	9	434	59720	60138
UN58683	Rsa1.0_06258.1	154	11371	6.00E-66	145	151	96 -	1	151	5781	5931
UN58684	Rsa1.0_00804.1	332	63726	1.00E-75	277	315	87 +	1	310	26928	27226
UN58685	Rsa1.0_00088.1	325	141341	2.00E-55	270	316	85 -	3	318	18961	19253
UN58686	Rsa1.0_00013.1	782	292129	1.00E-138	320	341	93 +	3	332	74112	74450
UN58687	Rsa1.0_00324.1	373	218805	1.00E-161	345	364	94 +	10	373	3853	4207
UN58688	Rsa1.0_01704.1	788	40711	1.00E-95	222	236	94 +	170	402	4393	4628
UN58689	Rsa1.0_00500.1	752	272308	4.00E-71	149	153	97 +	330	482	30604	30756
UN58690	Rsa1.0_00069.1	792	403561	1.00E-142	271	276	98 -	139	414	179274	179549
UN58691	Rsa1.0_02969.1	636	26390	4.00E-86	243	261	93 +	389	636	17574	17834
UN58692	Rsa1.0_01844.1	785	38421	6.00E-67	145	150	96 -	351	500	5996	6145
UN58693	Rsa1.0_31685.1	677	721	1.00E-103	193	194	99 -	195	388	515	708

UN58694	Rsa1.0.00827.1	676	62790	0	420	424	99 +	253	676	31023	31446
UN58695	Rsa1.0.00964.1	672	316648	4.00E-80	231	256	90 +	408	660	261452	261694
UN58696	Rsa1.0.05217.1	655	142938	1.00E-169	368	381	96 -	279	653	129744	130122
UN58697	Rsa1.0.14734.1	759	3116	0	488	504	96 -	57	558	139	642
UN58698	Rsa1.0.01828.1	488	38681	0	478	488	97 +	1	483	35701	36188
UN58699	Rsa1.0.01060.1	756	55368	1.00E-138	313	335	93 +	199	530	21378	21703
UN58700	Rsa1.0.01649.1	631	41624	0	389	392	99 +	241	631	36122	36513
UN58701	Rsa1.0.01102.1	487	53987	4.00E-85	256	284	90 +	3	283	7967	8250
UN58702	Rsa1.0.00806.1	151	63674	3.00E-52	132	136	97 +	1	132	2474	2609
UN58703	Rsa1.0.00376.1	558	90101	5.00E-76	145	145	100 +	140	284	21069	21213
UN58704	Rsa1.0.05611.1	818	13193	0	656	697	94 +	95	778	1	694
UN58705	Rsa1.0.00224.1	793	327530	2.00E-63	133	136	97 -	453	588	205575	205710
UN58706	Rsa1.0.01955.1	781	36850	8.00E-60	203	229	88 +	3	230	12725	12946
UN58707	Rsa1.0.03271.1	798	24187	1.00E-165	309	314	98 +	15	328	14673	14986
UN58708	Rsa1.0.12606.1	640	5176	0	356	357	99 +	3	359	475	831
UN58709	Rsa1.0.00860.1	776	61789	1.00E-156	320	331	96 -	381	708	13442	13772
UN58710	Rsa1.0.02728.1	773	28400	1.00E-114	242	252	96 +	525	769	26853	27104
UN58711	Rsa1.0.00961.1	665	58185	0	643	663	96 +	3	665	16681	17337
UN58712	Rsa1.0.09200.1	801	6562	1.00E-144	310	322	96 -	431	748	5993	6313
UN58713	Rsa1.0.00038.1	326	314568	1.00E-155	318	326	97 +	1	326	283909	284230
UN58714	Rsa1.0.02179.1	780	34188	0	618	635	97 -	2	636	24265	24899
UN58715	Rsa1.0.02374.1	321	32043	7.00E-43	98	101	97 -	221	321	26877	26977
UN58716	Rsa1.0.00962.1	691	184909	1.00E-171	315	317	99 +	376	691	13117	13433
UN58717	Rsa1.0.06681.1	718	135746	0	645	658	98 -	61	718	2353	3010
UN58718	Rsa1.0.00973.1	715	57913	1.00E-116	263	279	94 +	235	512	5428	5700
UN58719	Rsa1.0.00214.1	720	107508	1.00E-111	237	246	96 -	11	255	32701	32943
UN58720	Rsa1.0.06819.1	548	10302	0	530	549	96 +	1	548	1601	2149
UN58721	Rsa1.0.08471.1	664	7302	0	439	446	98 +	121	563	6330	6775
UN58722	Rsa1.0.00111.1	738	390088	0	727	735	98 -	2	733	321817	322551
UN58723	Rsa1.0.00262.1	632	101906	4.00E-95	189	193	97 +	4	196	46471	46663
UN58724	Rsa1.0.01196.1	714	51097	1.00E-117	226	230	98 +	365	594	25278	25507
UN58725	Rsa1.0.16475.1	599	2143	2.00E-90	184	189	97 +	410	598	689	877
UN58726	Rsa1.0.00370.1	735	90472	0	598	625	95 -	112	735	41175	41794
UN58727	Rsa1.0.13713.1	775	4437	0	723	766	94 -	3	768	3488	4244
UN58728	Rsa1.0.03552.1	792	22151	7.00E-82	167	171	97 +	453	623	14663	14833
UN58729	Rsa1.0.01311.1	710	48456	0	635	687	92 -	1	677	27878	28557
UN58730	Rsa1.0.00201.1	722	232851	0	572	611	93 -	119	721	72661	73247
UN58731	Rsa1.0.02685.1	774	28669	0	385	402	95 -	4	405	2494	2889
UN58732	Rsa1.0.04181.1	720	18615	1.00E-118	254	266	95 +	10	272	367	632

UN58733	Rsa1.0.00778.1	182	196751	1.00E-98	182	182	100 +	1	182	38126	38307
UN58734	Rsa1.0.01172.1	686	51734	1.00E-167	316	322	98 -	67	388	6286	6607
UN58735	Rsa1.0.00108.1	761	478491	0	487	491	99 -	3	493	311324	311814
UN58736	Rsa1.0.01049.1	690	55655	1.00E-147	317	332	95 +	292	623	33200	33529
UN58737	Rsa1.0.01567.1	805	43090	0	762	802	95 +	9	795	3639	4440
UN58738	Rsa1.0.00037.1	662	307838	1.00E-155	277	277	100 -	3	279	195549	195825
UN58739	Rsa1.0.00340.1	801	305782	0	420	432	97 +	41	472	191831	192262
UN58740	Rsa1.0.21652.1	399	1184	1.00E-81	160	162	98 -	238	399	1023	1184
UN58741	Rsa1.0.06865.1	774	10240	0	760	770	98 -	3	768	9018	9787
UN58742	Rsa1.0.60174.1	789	381	1.00E-132	264	268	98 -	511	775	1	268
UN58743	Rsa1.0.06113.1	795	11721	0	502	534	94 +	243	770	11131	11664
UN58744	Rsa1.0.01308.1	720	48596	0	409	431	94 +	89	516	24987	25408
UN58745	Rsa1.0.01104.1	753	285480	0	440	443	99 +	195	636	34309	34751
UN58746	Rsa1.0.02514.1	807	30642	0	742	786	94 -	2	782	5382	6167
UN58747	Rsa1.0.00017.1	246	752458	1.00E-104	233	245	95 -	3	246	684871	685111
UN58748	Rsa1.0.02634.1	722	29299	0	458	470	97 +	3	472	1428	1897
UN58749	Rsa1.0.05004.1	748	15172	1.00E-121	271	287	94 -	333	616	3432	3718
UN58750	Rsa1.0.12420.1	774	5230	0	430	442	97 +	328	766	1647	2087
UN58751	Rsa1.0.03676.1	228	21437	1.00E-104	223	234	95 +	1	228	15587	15820
UN58752	Rsa1.0.06673.1	790	10562	1.00E-80	156	157	99 -	114	270	4441	4597
UN58753	Rsa1.0.00856.1	659	62037	1.00E-12	63	71	88 +	306	376	41733	41803
UN58754	Rsa1.0.02144.1	769	34630	2.00E-91	186	191	97 +	140	330	1304	1494
UN58755	Rsa1.0.02964.1	779	26407	1.00E-55	114	115	99 +	246	360	13665	13779
UN58756	Rsa1.0.00398.1	672	88007	1.00E-171	307	308	99 +	365	672	86642	86949
UN58757	Rsa1.0.00522.1	171	78103	4.00E-21	52	52	100 -	86	137	38028	38079
UN58758	Rsa1.0.00816.1	767	403350	2.00E-72	195	212	91 +	3	211	109979	110183
UN58759	Rsa1.0.00204.1	105	109056	1.00E-29	87	93	93 -	15	105	21274	21366
UN58760	Rsa1.0.06491.1	741	10914	1.00E-104	246	262	93 -	3	263	6243	6501
UN58761	Rsa1.0.01182.1	786	167304	0	501	523	95 -	177	698	118231	118753
UN58762	Rsa1.0.00141.1	222	121494	2.00E-57	125	129	96 +	2	130	98408	98536
UN58763	Rsa1.0.00706.1	701	291570	1.00E-162	331	344	96 -	2	345	21539	21880
UN58764	Rsa1.0.00997.1	745	57190	2.00E-63	136	140	97 +	3	142	22902	23041
UN58765	Rsa1.0.00887.1	651	61048	1.00E-180	366	381	96 -	2	379	48056	48436
UN58766	Rsa1.0.00347.1	657	93048	0	384	403	95 -	262	657	14559	14958
UN58767	Rsa1.0.08020.1	714	8075	1.00E-147	330	353	93 +	28	380	137	471
UN58768	Rsa1.0.01554.1	811	43379	0	378	386	97 -	374	755	41062	41447
UN58769	Rsa1.0.00008.1	815	358124	0	357	366	97 -	3	368	56542	56907
UN58770	Rsa1.0.09895.1	711	6101	0	675	730	92 -	3	711	4875	5598
UN58771	Rsa1.0.01687.1	691	40979	0	661	692	95 -	2	691	2474	3165

UN58772	Rsa1.0.03338.1	768	136346	0	609	633	96 -	1	627	7781	8413
UN58773	Rsa1.0.00526.1	641	169279	4.00E-95	273	302	90 +	343	641	167348	167646
UN58774	Rsa1.0.06800.1	775	10335	0	737	755	97 -	3	751	2966	3718
UN58775	Rsa1.0.04626.1	634	16611	1.00E-104	210	216	97 +	195	410	14230	14445
UN58776	Rsa1.0.00123.1	749	325650	0	637	658	96 -	94	749	230628	231285
UN58777	Rsa1.0.00228.1	759	105511	0	693	718	96 -	44	756	28445	29159
UN58778	Rsa1.0.08494.1	714	7274	1.00E-144	269	272	98 -	342	613	194	465
UN58779	Rsa1.0.00970.1	740	57994	0	647	658	98 +	5	661	10175	10828
UN58780	Rsa1.0.02041.1	687	163634	5.00E-67	133	134	99 +	2	135	147988	148121
UN58781	Rsa1.0.01126.1	767	53127	0	682	707	96 +	73	767	35534	36240
UN58782	Rsa1.0.01117.1	537	53465	1.00E-178	334	339	98 -	199	537	10919	11254
UN58783	Rsa1.0.05175.1	620	14603	1.00E-156	323	334	96 +	263	595	9884	10213
UN58784	Rsa1.0.02949.1	490	26506	1.00E-177	436	477	91 -	3	473	19628	20104
UN58785	Rsa1.0.00651.1	748	247766	1.00E-150	272	273	99 -	48	320	184294	184566
UN58786	Rsa1.0.00387.1	554	495407	0	405	408	99 -	147	554	352825	353232
UN58787	Rsa1.0.34234.1	723	661	1.00E-162	341	356	95 +	2	354	306	661
UN58788	Rsa1.0.00573.1	724	74821	0	616	629	97 +	2	630	40537	41165
UN58789	Rsa1.0.00147.1	632	249503	0	618	632	97 +	1	632	240539	241170
UN58790	Rsa1.0.00043.1	279	264937	1.00E-53	110	111	99 -	169	279	124658	124768
UN58791	Rsa1.0.00169.1	403	274298	4.00E-63	143	149	95 -	241	386	27920	28068
UN58792	Rsa1.0.00407.1	467	191544	1.00E-176	403	426	94 -	45	466	160816	161237
UN58793	Rsa1.0.00071.1	752	345714	0	409	423	96 +	9	430	133690	134112
UN58794	Rsa1.0.00008.1	738	358124	1.00E-168	350	369	94 -	166	534	78544	78901
UN58795	Rsa1.0.01456.1	787	45372	1.00E-172	306	306	100 +	279	584	7527	7832
UN58796	Rsa1.0.02429.1	683	31527	1.00E-138	278	286	97 +	376	660	12481	12766
UN58797	Rsa1.0.01989.1	627	36439	3.00E-80	173	180	96 +	172	351	9804	9983
UN58798	Rsa1.0.00985.1	712	161950	0	411	424	96 +	55	475	43673	44096
UN58799	Rsa1.0.01857.1	780	38103	0	521	532	97 -	3	534	22856	23382
UN58800	Rsa1.0.00146.1	705	149343	1.00E-156	316	328	96 +	349	676	41915	42242
UN58801	Rsa1.0.00359.1	613	91256	9.00E-47	102	104	98 +	34	137	21151	21254
UN58802	Rsa1.0.00345.1	758	93226	0	340	345	98 -	400	743	16934	17278
UN58803	Rsa1.0.13883.1	756	4153	1.00E-103	197	199	98 +	292	490	1777	1975
UN58804	Rsa1.0.00104.1	778	368722	4.00E-28	104	116	89 +	276	389	349075	349190
UN58805	Rsa1.0.00017.1	512	752458	4.00E-45	120	129	93 -	205	333	156688	156816
UN58806	Rsa1.0.00291.1	799	172129	0	784	799	98 -	4	799	72442	73240
UN58807	Rsa1.0.12830.1	727	5110	0	682	707	96 +	3	707	376	1075
UN58808	Rsa1.0.02335.1	344	32400	2.00E-92	194	200	97 -	146	344	21192	21391
UN58809	Rsa1.0.00253.1	662	231292	3.00E-71	152	157	96 -	285	441	212149	212305
UN58810	Rsa1.0.17889.1	714	1717	0	450	463	97 +	2	460	1255	1717

UN58811	Rsa1.0.06034.1	786	11877	0	762	790	96 +	1	786	1252	2041
UN58812	Rsa1.0.00132.1	701	124299	1.00E-148	329	344	95 -	365	698	111199	111540
UN58813	Rsa1.0.06311.1	638	11254	1.00E-144	266	267	99 +	3	268	1291	1557
UN58814	Rsa1.0.00797.1	380	63959	1.00E-167	364	382	95 +	1	380	60464	60839
UN58815	Rsa1.0.01845.1	687	38415	1.00E-168	300	300	100 +	50	349	31559	31858
UN58816	Rsa1.0.09634.1	700	6242	1.00E-126	260	268	97 +	6	269	5520	5787
UN58817	Rsa1.0.00134.1	283	390219	9.00E-82	160	162	98 -	2	163	232067	232228
UN58818	Rsa1.0.00294.1	714	144860	1.00E-102	213	221	96 +	21	241	79395	79615
UN58819	Rsa1.0.04488.1	606	17155	1.00E-160	316	326	96 +	2	327	13152	13477
UN58820	Rsa1.0.11222.1	484	5577	3.00E-27	213	263	80 -	144	406	3716	3978
UN58821	Rsa1.0.02593.1	758	29744	1.00E-89	191	198	96 -	274	468	5683	5880
UN58822	Rsa1.0.08562.1	536	7193	6.00E-97	183	184	99 +	36	219	3771	3954
UN58823	Rsa1.0.00789.1	653	64233	1.00E-147	313	330	94 +	2	328	21834	22154
UN58824	Rsa1.0.00180.1	731	114581	2.00E-75	159	164	96 -	340	503	19225	19388
UN58825	Rsa1.0.00111.1	264	390088	1.00E-100	241	256	94 +	2	254	334552	334806
UN58826	Rsa1.0.00975.1	394	57865	1.00E-124	229	230	99 +	165	394	34416	34645
UN58827	Rsa1.0.02163.1	690	34427	6.00E-82	326	381	85 +	304	684	3114	3490
UN58828	Rsa1.0.40296.1	456	557	1.00E-153	309	318	97 +	124	440	241	557
UN58829	Rsa1.0.00236.1	755	104771	6.00E-67	270	310	87 -	463	748	20975	21283
UN58830	Rsa1.0.00287.1	662	98687	0	406	416	97 -	119	534	51455	51870
UN58831	Rsa1.0.01119.1	684	53459	1.00E-79	157	159	98 +	437	595	22828	22986
UN58832	Rsa1.0.03062.1	714	25678	0	512	521	98 -	3	520	8175	8695
UN58833	Rsa1.0.00308.1	751	96915	1.00E-92	245	264	92 -	3	257	95252	95514
UN58834	Rsa1.0.00037.1	747	307838	1.00E-118	294	316	93 -	3	312	201318	201631
UN58835	Rsa1.0.04394.1	686	17571	1.00E-162	296	297	99 -	391	686	5035	5331
UN58836	Rsa1.0.00307.1	642	199003	1.00E-119	263	278	94 -	104	381	61363	61640
UN58837	Rsa1.0.00584.1	785	74295	0	712	744	95 +	2	744	43772	44515
UN58838	Rsa1.0.17444.1	409	1828	6.00E-81	201	219	91 +	6	213	1575	1793
UN58839	Rsa1.0.01438.1	725	45882	0	423	438	96 +	289	725	31311	31748
UN58840	Rsa1.0.04377.1	800	17658	1.00E-157	356	381	93 -	389	769	6145	6525
UN58841	Rsa1.0.00720.1	510	66931	2.00E-78	183	193	94 -	262	452	18555	18743
UN58842	Rsa1.0.00347.1	713	93048	1.00E-114	253	269	94 -	126	394	83814	84073
UN58843	Rsa1.0.00103.1	769	135304	4.00E-71	184	198	92 -	533	725	128590	128787
UN58844	Rsa1.0.00269.1	680	341668	0	454	475	95 -	2	464	316281	316755
UN58845	Rsa1.0.00833.1	660	62621	1.00E-110	250	262	95 +	1	255	27119	27378
UN58846	Rsa1.0.32129.1	678	709	0	598	617	96 -	5	621	1	617
UN58847	Rsa1.0.00285.1	463	149638	2.00E-68	153	159	96 -	90	246	145757	145915
UN58848	Rsa1.0.00942.1	715	58873	1.00E-137	287	298	96 +	419	715	3175	3470
UN58849	Rsa1.0.06065.1	722	11828	0	638	667	95 -	3	666	2050	2716

UN58850	Rsa1.0.09170.1	708	6588	1.00E-143	336	367	91 +	250	595	5779	6142
UN58851	Rsa1.0.01701.1	638	162121	1.00E-121	249	258	96 -	187	444	140313	140567
UN58852	Rsa1.0.00198.1	855	222963	1.00E-125	263	271	97 -	1	269	52563	52831
UN58853	Rsa1.0.00176.1	587	240984	0	560	580	96 -	2	581	205291	205870
UN58854	Rsa1.0.01232.1	757	155185	1.00E-137	305	323	94 -	3	325	134026	134347
UN58855	Rsa1.0.00087.1	451	761073	0	447	450	99 +	2	451	167359	167808
UN58856	Rsa1.0.00585.1	724	74164	1.00E-92	173	173	100 -	379	551	63523	63695
UN58857	Rsa1.0.05343.1	718	14103	0	709	718	98 -	2	718	12877	13594
UN58858	Rsa1.0.01786.1	682	133324	1.00E-135	286	299	95 +	273	568	117074	117372
UN58859	Rsa1.0.04262.1	708	18220	0	488	493	98 +	64	556	2821	3313
UN58860	Rsa1.0.00068.1	129	151813	3.00E-49	117	122	95 -	1	122	123266	123385
UN58861	Rsa1.0.04238.1	616	18352	3.00E-68	132	132	100 +	312	443	6619	6750
UN58862	Rsa1.0.02282.1	714	163951	1.00E-113	210	211	99 +	79	289	149562	149772
UN58863	Rsa1.0.00158.1	681	117999	1.00E-100	310	347	89 -	1	344	33119	33461
UN58864	Rsa1.0.02365.1	749	32118	1.00E-119	311	338	92 +	3	337	13255	13592
UN58865	Rsa1.0.00605.1	708	73199	0	447	448	99 +	75	522	67241	67688
UN58866	Rsa1.0.00088.1	619	141341	0	375	385	97 +	1	385	3839	4223
UN58867	Rsa1.0.01919.1	690	37272	1.00E-116	239	248	96 -	116	363	7905	8152
UN58868	Rsa1.0.03782.1	823	20891	1.00E-116	219	221	99 +	108	328	12838	13058
UN58869	Rsa1.0.15301.1	638	2703	1.00E-175	381	401	95 -	239	638	833	1224
UN58870	Rsa1.0.00556.1	667	207212	2.00E-66	337	399	84 -	30	412	40589	40965
UN58871	Rsa1.0.00344.1	752	191774	1.00E-108	237	249	95 +	273	521	179315	179560
UN58872	Rsa1.0.00817.1	721	62961	0	383	398	96 +	208	602	29379	29775
UN58873	Rsa1.0.03455.1	556	22804	0	533	557	95 +	1	556	2465	3017
UN58874	Rsa1.0.00107.1	753	431659	0	400	420	95 +	31	444	314543	314962
UN58875	Rsa1.0.03785.1	637	20883	0	353	353	100 +	4	356	12644	12996
UN58876	Rsa1.0.00352.1	633	92266	0	615	644	95 +	1	633	22028	22671
UN58877	#	#	#	#	#	#	#	#	#	#	#
UN58878	Rsa1.0.07440.1	670	9389	0	642	672	95 +	2	670	4133	4804
UN58879	Rsa1.0.07814.1	689	8487	4.00E-43	105	110	95 -	292	401	744	853
UN58880	Rsa1.0.00069.1	781	403561	0	623	644	96 -	139	781	354155	354794
UN58881	Rsa1.0.00773.1	736	64839	0	481	500	96 +	129	628	12568	13067
UN58882	Rsa1.0.02027.1	782	35869	1.00E-157	303	309	98 -	346	652	28879	29187
UN58883	Rsa1.0.00525.1	720	78030	0	487	507	96 +	1	507	30615	31121
UN58884	Rsa1.0.00476.1	737	280966	0	495	512	96 +	232	737	159214	159721
UN58885	Rsa1.0.00097.1	675	138858	1.00E-131	247	249	99 +	1	249	79907	80154
UN58886	Rsa1.0.03280.1	781	145083	1.00E-140	267	272	98 -	185	456	121982	122253
UN58887	Rsa1.0.00037.1	794	307838	1.00E-123	245	252	97 -	3	254	242549	242800
UN58888	Rsa1.0.11536.1	105	5476	3.00E-42	99	103	96 -	3	105	5292	5394

UN58889	Rsa1.0.03640.1	675	21624	1.00E-115	255	269	94 -	128	393	18689	18957
UN58890	Rsa1.0.08916.1	605	6792	0	577	601	96 +	6	605	5379	5979
UN58891	Rsa1.0.03304.1	742	23883	1.00E-159	321	333	96 +	4	329	16048	16378
UN58892	Rsa1.0.02949.1	791	26506	1.00E-168	341	355	96 +	153	507	9047	9401
UN58893	Rsa1.0.00075.1	742	146680	0	623	698	89 -	10	704	128091	128785
UN58894	Rsa1.0.15506.1	718	2567	0	414	425	97 +	188	611	1575	1999
UN58895	Rsa1.0.00018.1	803	410899	9.00E-66	128	128	100 -	3	130	409267	409394
UN58896	Rsa1.0.00833.1	735	62621	1.00E-122	271	287	94 +	445	731	28121	28407
UN58897	Rsa1.0.00040.1	503	324196	1.00E-122	276	294	93 +	2	289	152206	152499
UN58898	Rsa1.0.00026.1	770	327835	0	419	426	98 -	339	758	53867	54292
UN58899	Rsa1.0.07845.1	778	8434	0	563	615	91 -	169	770	1339	1935
UN58900	Rsa1.0.00123.1	573	325650	0	553	575	96 -	2	573	165220	165794
UN58901	Rsa1.0.01982.1	750	36530	1.00E-117	280	298	93 -	456	750	26537	26834
UN58902	Rsa1.0.08045.1	367	8014	1.00E-66	149	155	96 -	65	216	7857	8011
UN58903	Rsa1.0.03733.1	669	21108	0	524	544	96 +	132	669	13781	14324
UN58904	Rsa1.0.00141.1	750	121494	5.00E-52	111	113	98 +	66	178	7963	8075
UN58905	Rsa1.0.00476.1	310	280966	3.00E-45	93	93	100 +	65	157	157534	157626
UN58906	Rsa1.0.00803.1	708	144228	1.00E-168	336	347	96 -	63	408	53408	53754
UN58907	Rsa1.0.03125.1	741	147978	1.00E-137	253	255	99 -	249	503	138288	138542
UN58908	Rsa1.0.01953.1	653	36881	0	641	652	98 +	2	653	32476	33127
UN58909	Rsa1.0.00850.1	366	62193	0	356	365	97 -	2	366	26421	26785
UN58910	Rsa1.0.10456.1	679	5845	4.00E-83	166	169	98 -	283	451	5457	5625
UN58911	Rsa1.0.00130.1	642	125737	1.00E-149	304	315	96 +	295	608	7588	7902
UN58912	Rsa1.0.02316.1	731	32608	0	417	417	100 +	3	419	16501	16917
UN58913	Rsa1.0.16648.1	679	2079	7.00E-60	203	228	89 -	460	679	318	543
UN58914	Rsa1.0.00273.1	716	326186	1.00E-107	248	265	93 +	157	421	41820	42084
UN58915	Rsa1.0.03187.1	808	24726	7.00E-85	299	346	86 +	2	327	19150	19488
UN58916	Rsa1.0.00453.1	144	83031	2.00E-47	105	108	97 -	37	144	71149	71256
UN58917	Rsa1.0.02740.1	755	28292	2.00E-17	113	135	83 -	315	449	23648	23782
UN58918	Rsa1.0.04073.1	308	19238	3.00E-48	152	174	87 -	152	308	10575	10748
UN58919	Rsa1.0.00180.1	119	114581	3.00E-36	96	101	95 +	1	101	38907	39006
UN58920	Rsa1.0.09399.1	772	6394	0	683	738	92 -	8	741	777	1513
UN58921	Rsa1.0.01054.1	753	55470	1.00E-172	325	331	98 +	2	332	52074	52404
UN58922	Rsa1.0.00758.1	188	65477	1.00E-100	187	188	99 -	1	188	56941	57128
UN58923	Rsa1.0.05074.1	626	14925	1.00E-168	305	307	99 -	1	307	14252	14558
UN58924	Rsa1.0.00150.1	748	154416	0	699	764	91 -	1	748	63472	64208
UN58925	Rsa1.0.00465.1	697	82138	7.00E-91	187	190	98 +	510	697	67916	68105
UN58926	Rsa1.0.02855.1	628	27271	0	626	628	99 +	1	628	17461	18088
UN58927	Rsa1.0.00111.1	322	390088	1.00E-53	139	147	94 -	145	291	35825	35969

UN58928	Rsa1.0.03159.1	696	24946	0	670	721	92 -	1	696	12158	12861
UN58929	Rsa1.0.01926.1	208	37206	2.00E-76	196	212	92 +	3	208	6559	6764
UN58930	Rsa1.0.06038.1	671	11867	1.00E-104	195	196	99 +	1	196	6391	6586
UN58931	Rsa1.0.00391.1	415	183853	1.00E-140	288	296	97 -	117	411	60239	60532
UN58932	Rsa1.0.00767.1	214	64980	1.00E-80	184	193	95 -	23	214	18639	18827
UN58933	Rsa1.0.04245.1	789	18299	0	351	357	98 -	434	789	9385	9741
UN58934	Rsa1.0.00759.1	783	65465	0	671	709	94 +	88	783	8202	8904
UN58935	Rsa1.0.08929.1	640	6777	1.00E-109	230	240	95 -	315	554	914	1153
UN58936	Rsa1.0.00002.1	504	601661	4.00E-33	104	113	92 -	68	180	140996	141107
UN58937	Rsa1.0.00968.1	235	58020	3.00E-78	219	238	92 -	3	235	52396	52627
UN58938	Rsa1.0.00001.1	450	363028	8.00E-99	247	269	91 +	2	258	323610	323878
UN58939	Rsa1.0.01301.1	116	169072	1.00E-47	109	112	97 +	3	113	15721	15832
UN58940	Rsa1.0.01015.1	734	56752	2.00E-82	198	211	93 +	371	581	5890	6098
UN58941	Rsa1.0.00279.1	737	100039	1.00E-136	284	296	95 -	3	295	37942	38237
UN58942	Rsa1.0.00047.1	487	168582	1.00E-111	327	368	88 -	106	447	149282	149645
UN58943	Rsa1.0.00020.1	518	283099	1.00E-108	272	297	91 -	222	518	151644	151928
UN58944	Rsa1.0.01119.1	652	53459	1.00E-114	282	306	92 +	85	381	42043	42348
UN58945	Rsa1.0.04806.1	703	15898	0	569	573	99 +	132	703	7069	7641
UN58946	Rsa1.0.02116.1	753	34853	0	712	757	94 -	2	753	30563	31297
UN58947	Rsa1.0.03780.1	792	20899	1.00E-114	351	400	87 -	334	728	11180	11558
UN58948	Rsa1.0.00108.1	634	478491	2.00E-87	188	196	95 +	205	400	273140	273335
UN58949	Rsa1.0.00050.1	153	237174	2.00E-44	106	111	95 +	43	153	168566	168676
UN58950	Rsa1.0.00033.1	223	515811	2.00E-30	186	206	90 -	18	223	146566	146754
UN58951	Rsa1.0.05665.1	543	13003	1.00E-110	220	226	97 +	2	227	11141	11366
UN58952	Rsa1.0.00551.1	309	76227	7.00E-52	104	104	100 -	200	303	55445	55548
UN58953	Rsa1.0.04646.1	699	16541	1.00E-110	309	340	90 +	366	695	2437	2775
UN58954	Rsa1.0.00254.1	797	102600	1.00E-103	190	190	100 -	383	572	74957	75146
UN58955	Rsa1.0.01565.1	744	155447	0	407	423	96 +	2	418	8200	8622
UN58956	Rsa1.0.01750.1	649	39816	7.00E-97	226	240	94 +	413	649	22530	22766
UN58957	Rsa1.0.33108.1	839	686	0	668	683	97 -	104	785	4	686
UN58958	Rsa1.0.00122.1	695	265937	0	620	624	99 +	72	695	237311	237934
UN58959	Rsa1.0.01776.1	640	39511	0	535	580	92 +	18	594	26754	27327
UN58960	Rsa1.0.01302.1	340	48907	1.00E-120	310	340	91 +	2	340	1976	2303
UN58961	Rsa1.0.03472.1	648	22669	0	634	648	97 +	1	648	12681	13328
UN58962	Rsa1.0.00022.1	512	200461	1.00E-85	182	189	96 -	318	506	126768	126956
UN58963	Rsa1.0.33468.1	737	677	0	603	615	98 -	124	737	63	677
UN58964	Rsa1.0.00196.1	690	109960	1.00E-171	350	364	96 +	2	365	10167	10529
UN58965	Rsa1.0.13615.1	759	4632	4.00E-43	252	306	82 -	13	318	661	966
UN58966	Rsa1.0.00409.1	824	146788	0	509	512	99 +	310	818	87558	88069

UN58967	Rsa1.0.00333.1	799	94500	1.00E-166	378	402	94 +	200	592	79840	80240
UN58968	Rsa1.0.02421.1	639	31579	1.00E-162	314	322	97 +	81	402	9918	10239
UN58969	Rsa1.0.02505.1	232	30703	6.00E-98	218	228	95 -	1	227	23111	23336
UN58970	Rsa1.0.00119.1	213	467509	2.00E-79	193	202	95 +	1	199	62413	62613
UN58971	Rsa1.0.05874.1	795	12351	0	450	457	98 +	3	455	5844	6299
UN58972	Rsa1.0.00076.1	497	146021	0	448	479	93 -	25	497	76853	77317
UN58973	Rsa1.0.05570.1	770	13301	1.00E-143	306	316	96 +	448	759	12647	12960
UN58974	Rsa1.0.02952.1	844	26492	0	418	424	98 -	3	426	3855	4278
UN58975	Rsa1.0.00248.1	773	163568	0	536	561	95 -	3	563	24042	24602
UN58976	Rsa1.0.01537.1	845	187285	1.00E-122	274	291	94 +	226	516	19498	19788
UN58977	Rsa1.0.00321.1	379	95671	3.00E-45	120	129	93 -	91	219	28300	28428
UN58978	Rsa1.0.00848.1	578	152362	1.00E-110	209	211	99 -	53	263	40824	41034
UN58979	Rsa1.0.00784.1	787	64359	0	596	606	98 -	2	607	14509	15114
UN58980	Rsa1.0.00764.1	825	65056	1.00E-124	284	304	93 +	26	326	19998	20292
UN58981	Rsa1.0.03553.1	848	22150	0	537	556	96 -	6	561	16579	17134
UN58982	Rsa1.0.09006.1	679	6715	0	653	687	95 +	2	679	4723	5403
UN58983	Rsa1.0.01220.1	750	161775	1.00E-109	243	257	94 +	164	420	26564	26820
UN58984	Rsa1.0.01600.1	720	42537	0	674	724	93 +	2	720	5088	5797
UN58985	Rsa1.0.00305.1	766	97308	3.00E-93	177	178	99 -	454	631	72382	72559
UN58986	Rsa1.0.01576.1	620	42923	0	578	626	92 -	4	616	22925	23547
UN58987	Rsa1.0.00605.1	762	73199	0	362	368	98 -	314	681	27650	28017
UN58988	Rsa1.0.70008.1	491	327	1.00E-110	209	211	99 -	281	491	117	327
UN58989	Rsa1.0.00307.1	574	199003	0	460	498	92 -	7	502	10972	11461
UN58990	Rsa1.0.00150.1	808	154416	1.00E-177	335	342	97 -	63	404	60307	60648
UN58991	Rsa1.0.00227.1	645	105849	6.00E-85	272	305	89 -	280	581	91244	91544
UN58992	Rsa1.0.15363.1	445	2655	1.00E-154	361	387	93 +	63	442	1088	1473
UN58993	Rsa1.0.00012.1	667	222148	1.00E-113	308	343	89 +	317	652	110785	111109
UN58994	Rsa1.0.08133.1	765	7852	0	411	421	97 +	1	419	48	467
UN58995	Rsa1.0.00757.1	706	65559	7.00E-57	116	117	99 -	222	338	60113	60229
UN58996	Rsa1.0.00857.1	718	61904	0	416	422	98 -	3	420	24043	24464
UN58997	Rsa1.0.02722.1	695	28417	1.00E-116	216	217	99 +	467	683	7208	7424
UN58998	Rsa1.0.01289.1	784	49181	1.00E-138	259	262	98 -	173	434	7660	7921
UN58999	Rsa1.0.00549.1	742	76473	0	437	455	96 -	74	528	10847	11298
UN59000	Rsa1.0.01565.1	775	155447	1.00E-157	325	338	96 +	2	338	1914	2251
UN59001	Rsa1.0.00424.1	727	86005	0	721	729	98 -	1	727	33519	34247
UN59002	Rsa1.0.00577.1	731	174827	0	438	460	95 -	272	731	10934	11381
UN59003	Rsa1.0.00178.1	653	114861	1.00E-126	251	258	97 -	149	406	8783	9040
UN59004	Rsa1.0.06468.1	110	10958	2.00E-49	105	107	98 -	4	110	2456	2562
UN59005	Rsa1.0.04876.1	712	15631	1.00E-113	237	246	96 -	209	451	3072	3317

UN59006	Rsa1.0.03201.1	783	157656	0	398	415	95 +	4	408	18908	19322
UN59007	Rsa1.0.00017.1	564	752458	1.00E-127	303	326	92 -	37	361	304817	305142
UN59008	Rsa1.0.02054.1	790	35548	8.00E-97	244	256	95 -	484	732	27099	27354
UN59009	Rsa1.0.02561.1	424	30080	0	368	375	98 +	44	418	19449	19823
UN59010	Rsa1.0.01960.1	690	36766	1.00E-116	234	241	97 +	90	330	7984	8224
UN59011	Rsa1.0.01168.1	654	153765	1.00E-168	342	355	96 -	3	355	24169	24514
UN59012	Rsa1.0.00216.1	762	197563	1.00E-129	235	235	100 +	3	237	54437	54671
UN59013	Rsa1.0.00688.1	783	68396	0	613	657	93 +	67	717	30972	31606
UN59014	Rsa1.0.03483.1	741	22621	1.00E-77	184	196	93 +	1	196	16953	17148
UN59015	Rsa1.0.04890.1	562	15591	1.00E-67	260	297	87 -	3	292	11260	11546
UN59016	Rsa1.0.00080.1	741	190437	1.00E-133	262	269	97 -	188	456	34258	34526
UN59017	Rsa1.0.17187.1	420	1897	0	399	412	96 +	11	419	1101	1507
UN59018	Rsa1.0.24279.1	802	996	0	413	415	99 +	1	414	340	754
UN59019	Rsa1.0.00218.1	806	201480	1.00E-129	247	251	98 +	312	562	110483	110733
UN59020	Rsa1.0.14918.1	581	2967	3.00E-34	115	127	90 -	3	129	1616	1736
UN59021	Rsa1.0.03652.1	477	21565	1.00E-127	279	295	94 +	8	302	1	290
UN59022	Rsa1.0.01281.1	757	49313	1.00E-134	243	243	100 +	143	385	11168	11410
UN59023	Rsa1.0.01355.1	685	47303	3.00E-93	224	237	94 +	444	676	7405	7641
UN59024	Rsa1.0.00198.1	309	222963	8.00E-61	145	151	96 -	154	302	155030	155180
UN59025	Rsa1.0.05569.1	630	13311	1.00E-180	354	368	96 +	275	630	3528	3895
UN59026	Rsa1.0.01771.1	794	172709	1.00E-138	268	274	97 -	154	427	29605	29878
UN59027	Rsa1.0.02634.1	813	29299	0	744	750	99 -	1	746	17450	18199
UN59028	Rsa1.0.00035.1	819	176449	7.00E-76	154	157	98 +	232	388	155792	155948
UN59029	Rsa1.0.00788.1	775	64237	3.00E-99	228	240	95 +	538	775	33152	33391
UN59030	Rsa1.0.00016.1	695	831256	2.00E-78	174	181	96 -	3	183	227401	227580
UN59031	Rsa1.0.01920.1	736	158533	0	715	734	97 -	5	735	4413	5146
UN59032	Rsa1.0.01196.1	680	51097	1.00E-157	335	350	95 +	331	680	40985	41328
UN59033	Rsa1.0.00545.1	803	189649	1.00E-115	260	272	95 +	501	768	2122	2390
UN59034	Rsa1.0.06273.1	658	11346	0	587	622	94 -	37	658	3014	3618
UN59035	Rsa1.0.00045.1	576	328694	0	485	487	99 +	3	489	280898	281384
UN59036	Rsa1.0.02456.1	716	31222	1.00E-104	222	229	96 -	485	712	23777	24004
UN59037	Rsa1.0.00370.1	693	90472	0	404	422	95 -	281	693	45979	46400
UN59038	Rsa1.0.08258.1	759	7649	3.00E-65	148	155	95 +	516	670	4864	5018
UN59039	Rsa1.0.00491.1	760	80219	0	719	740	97 -	1	736	73833	74571
UN59040	Rsa1.0.00305.1	819	97308	1.00E-114	250	264	94 -	245	499	39688	39948
UN59041	Rsa1.0.01153.1	647	52264	1.00E-126	243	246	98 +	403	647	37100	37345
UN59042	Rsa1.0.00253.1	760	231292	2.00E-76	169	176	96 +	433	608	141842	142014
UN59043	Rsa1.0.00586.1	686	163802	0	644	687	93 +	12	685	4255	4929
UN59044	Rsa1.0.08760.1	541	6948	2.00E-84	171	175	97 -	367	541	3706	3880

UN59045	Rsa1.0.01844.1	683	38421	1.00E-121	233	237	98 -	29	265	13775	14011
UN59046	Rsa1.0.00172.1	736	115476	0	400	405	98 -	7	411	58969	59373
UN59047	Rsa1.0_13019.1	641	5042	0	402	410	98 +	232	641	1377	1786
UN59048	Rsa1.0_03945.1	579	19924	3.00E-83	169	173	97 +	327	499	14735	14907
UN59049	Rsa1.0_11690.1	805	5440	1.00E-101	334	379	88 +	33	411	5016	5380
UN59050	Rsa1.0_00016.1	710	831256	1.00E-89	225	243	92 -	130	361	205984	206225
UN59051	Rsa1.0_00075.1	756	146680	1.00E-118	251	260	96 -	3	261	144164	144422
UN59052	Rsa1.0_00491.1	676	80219	0	645	691	93 -	8	675	64676	65363
UN59053	#	#	#	#	#	#	#	#	#	#	#
UN59054	Rsa1.0_03231.1	245	24456	1.00E-105	220	229	96 +	10	238	22443	22671
UN59055	Rsa1.0_00329.1	800	222544	1.00E-147	267	268	99 -	268	535	161039	161306
UN59056	Rsa1.0_00243.1	784	103651	0	433	454	95 -	318	762	87689	88142
UN59057	Rsa1.0_02798.1	718	27792	1.00E-137	273	280	97 -	389	667	6600	6879
UN59058	Rsa1.0_09409.1	775	6390	1.00E-117	248	258	96 +	3	259	1184	1441
UN59059	Rsa1.0_00112.1	665	132199	0	469	500	93 -	164	663	84822	85321
UN59060	Rsa1.0_00978.1	273	57739	1.00E-108	259	274	94 +	3	273	27487	27758
UN59061	Rsa1.0_08048.1	493	137630	1.00E-170	357	373	95 -	2	373	130328	130698
UN59062	Rsa1.0_00127.1	738	127446	1.00E-141	344	376	91 +	37	403	113042	113405
UN59063	Rsa1.0_00804.1	698	63726	0	364	369	98 -	3	371	23232	23597
UN59064	Rsa1.0_00633.1	778	71250	0	394	403	97 +	89	491	4702	5104
UN59065	Rsa1.0_00477.1	503	81556	1.00E-177	451	489	92 -	27	503	53818	54300
UN59066	Rsa1.0_00394.1	693	148426	1.00E-134	243	243	100 -	2	244	83772	84014
UN59067	Rsa1.0_00755.1	717	192559	0	492	497	98 +	223	717	138989	139485
UN59068	Rsa1.0_00944.1	736	58733	0	541	589	91 +	152	736	45223	45799
UN59069	Rsa1.0_00070.1	268	150321	3.00E-72	163	170	95 -	1	169	62088	62252
UN59070	Rsa1.0_00015.1	782	561803	0	774	782	98 -	2	780	23100	23881
UN59071	Rsa1.0_20293.1	281	1320	2.00E-64	154	162	95 +	4	162	706	865
UN59072	Rsa1.0_00829.1	256	158305	1.00E-56	125	128	97 +	100	226	107663	107790
UN59073	Rsa1.0_00856.1	282	62037	3.00E-60	153	164	93 +	4	167	14559	14719
UN59074	Rsa1.0_00493.1	554	80007	1.00E-130	265	272	97 +	284	554	6252	6522
UN59075	Rsa1.0_00505.1	804	79323	1.00E-106	235	249	94 +	3	251	4292	4532
UN59076	Rsa1.0_01504.1	666	189978	1.00E-166	355	371	95 +	304	666	41496	41865
UN59077	Rsa1.0_00484.1	752	203294	2.00E-97	199	205	97 -	148	352	52037	52241
UN59078	Rsa1.0_03937.1	775	19969	1.00E-70	161	168	95 -	2	168	5147	5314
UN59079	Rsa1.0_07001.1	740	10048	2.00E-63	130	132	98 -	413	544	6595	6726
UN59080	Rsa1.0_01656.1	189	41494	3.00E-31	145	173	83 -	1	150	13867	14039
UN59081	Rsa1.0_01727.1	547	40243	0	524	546	95 +	2	547	385	929
UN59082	Rsa1.0_01005.1	804	56967	1.00E-135	259	264	98 -	395	658	16479	16742
UN59083	Rsa1.0_02259.1	328	33299	9.00E-30	261	321	81 +	1	315	29457	29777

UN59084	Rsa1.0_06892.1	623	10197	1.00E-164	339	353	96 +	237	589	9775	10126
UN59085	Rsa1.0_18276.1	732	1631	1.00E-148	384	420	91 -	34	448	1	410
UN59086	Rsa1.0_08388.1	163	7436	1.00E-54	126	132	95 -	32	163	3860	3991
UN59087	Rsa1.0_07333.1	777	9547	6.00E-36	78	78	100 +	27	104	8134	8211
UN59088	Rsa1.0_01032.1	549	56189	0	414	418	99 +	134	549	24607	25023
UN59089	Rsa1.0_07379.1	604	9492	1.00E-61	127	129	98 +	4	132	1936	2064
UN59090	Rsa1.0_08353.1	615	7492	1.00E-165	508	577	88 -	62	615	773	1328
UN59091	Rsa1.0_00053.1	634	263459	0	585	637	91 +	1	634	192009	192639
UN59092	Rsa1.0_02643.1	772	29176	0	362	370	97 -	125	491	6109	6478
UN59093	Rsa1.0_00284.1	351	323267	3.00E-70	138	139	99 -	90	228	234814	234952
UN59094	Rsa1.0_00038.1	376	314568	1.00E-172	363	381	95 +	3	376	175980	176360
UN59095	Rsa1.0_04243.1	769	18321	0	381	393	96 -	90	482	5629	6021
UN59096	Rsa1.0_02514.1	761	30642	0	561	591	94 -	163	741	9964	10545
UN59097	Rsa1.0_00367.1	780	90750	0	672	686	97 +	100	780	11354	12039
UN59098	Rsa1.0_00029.1	645	272992	0	480	502	95 +	101	599	260779	261279
UN59099	Rsa1.0_16427.1	504	2159	1.00E-138	264	269	98 -	108	376	1	269
UN59100	Rsa1.0_07419.1	784	9424	3.00E-41	126	138	91 +	341	476	433	570
UN59101	Rsa1.0_02496.1	775	30814	0	405	420	96 +	2	421	12912	13328
UN59102	Rsa1.0_00160.1	712	346678	0	483	496	97 +	9	503	143548	144043
UN59103	Rsa1.0_00191.1	803	316976	0	362	373	97 +	372	737	34469	34841
UN59104	Rsa1.0_00116.1	769	365886	1.00E-106	225	235	95 +	115	349	222135	222369
UN59105	Rsa1.0_00652.1	826	70089	1.00E-139	351	389	90 +	25	398	46924	47303
UN59106	Rsa1.0_01783.1	664	39383	0	519	543	95 +	122	659	33733	34272
UN59107	Rsa1.0_00204.1	735	109056	1.00E-117	223	226	98 -	371	596	20868	21093
UN59108	Rsa1.0_18145.1	786	1657	0	414	440	94 -	345	783	290	729
UN59109	Rsa1.0_00269.1	618	341668	0	414	420	98 -	199	618	309793	310210
UN59110	Rsa1.0_01910.1	656	37405	1.00E-130	242	244	99 +	182	425	26990	27233
UN59111	Rsa1.0_00048.1	594	167185	1.00E-123	248	256	96 -	3	258	31363	31618
UN59112	Rsa1.0_00387.1	620	495407	0	601	623	96 -	3	620	402140	402760
UN59113	Rsa1.0_00107.1	791	431659	0	494	507	97 +	174	679	145075	145581
UN59114	Rsa1.0_00135.1	779	178077	1.00E-175	380	402	94 +	4	404	17827	18221
UN59115	Rsa1.0_00505.1	742	79323	1.00E-140	279	288	96 +	2	289	4321	4608
UN59116	Rsa1.0_00002.1	566	601661	1.00E-152	300	307	97 +	260	566	544239	544542
UN59117	Rsa1.0_02526.1	283	30479	5.00E-68	134	135	99 -	1	135	15200	15334
UN59118	Rsa1.0_04651.1	751	16516	2.33E-156	288	294	97 -	431	721	14095	14388
UN59119	Rsa1.0_01875.1	764	37849	0	633	668	94 +	3	664	17219	17872
UN59120	Rsa1.0_01838.1	494	38500	1.00E-73	150	153	98 +	263	415	16843	16995
UN59121	Rsa1.0_26455.1	628	891	2.00E-91	171	171	100 -	3	173	24	194
UN59122	Rsa1.0_28998.1	765	796	0	343	346	99 +	350	694	435	780

UN59123	Rsa1.0.39063.1	396	576	1.00E-84	184	191	96 +	3	193	204	393
UN59124	Rsa1.0.01326.1	712	48072	0	351	355	98 -	360	712	34677	35031
UN59125	Rsa1.0.11519.1	706	5480	1.00E-153	304	313	97 -	1	310	4924	5236
UN59126	Rsa1.0.00479.1	299	81377	8.00E-61	171	183	93 +	1	183	79715	79893
UN59127	Rsa1.0.18107.1	748	1664	0	635	664	95 +	88	748	745	1399
UN59128	Rsa1.0.15357.1	625	2660	0	476	485	98 +	3	484	1529	2013
UN59129	Rsa1.0.00104.1	155	368722	4.00E-61	149	155	96 -	2	153	347113	347267
UN59130	Rsa1.0.01144.1	715	52431	1.00E-141	268	271	98 +	330	599	40617	40887
UN59131	Rsa1.0.02479.1	532	31038	8.00E-47	96	96	100 +	427	522	15064	15159
UN59132	Rsa1.0.14629.1	678	3210	0	673	678	99 -	1	678	835	1512
UN59133	Rsa1.0.00451.1	690	322533	0	621	648	95 +	35	672	64925	65570
UN59134	Rsa1.0.08338.1	150	7511	2.00E-22	86	94	91 +	38	131	2005	2096
UN59135	Rsa1.0.00332.1	711	94575	0	708	709	99 -	3	711	57047	57754
UN59136	Rsa1.0.00190.1	689	318240	1.00E-144	286	295	96 -	392	686	298754	299048
UN59137	Rsa1.0.01699.1	650	40816	0	339	342	99 -	1	342	19400	19741
UN59138	Rsa1.0.00566.1	567	75325	2.00E-81	160	162	98 -	155	316	38088	38249
UN59139	Rsa1.0.00129.1	146	126831	1.00E-39	89	91	97 -	1	91	101517	101607
UN59140	Rsa1.0.01869.1	194	37928	1.00E-86	186	194	95 -	1	194	27751	27944
UN59141	Rsa1.0.12857.1	483	5096	1.00E-105	247	264	93 +	197	453	2330	2593
UN59142	Rsa1.0.01220.1	553	161775	0	518	554	93 +	3	553	112948	113498
UN59143	Rsa1.0.00422.1	710	86144	0	679	725	93 +	1	710	32011	32735
UN59144	Rsa1.0.00427.1	588	189678	0	530	543	97 -	3	545	57292	57834
UN59145	Rsa1.0.07826.1	694	8466	1.00E-167	447	493	90 +	188	680	4587	5075
UN59146	Rsa1.0.01648.1	685	41635	4.00E-77	153	155	98 -	312	466	32601	32755
UN59147	Rsa1.0.00818.1	754	62939	1.00E-104	198	200	99 +	223	422	42020	42219
UN59148	Rsa1.0.14084.1	674	3822	1.00E-135	260	265	98 -	2	266	281	545
UN59149	Rsa1.0.00010.1	744	294827	2.00E-88	187	194	96 -	147	340	215674	215867
UN59150	Rsa1.0.01376.1	664	47004	1.00E-143	285	294	96 +	64	357	2	295
UN59151	Rsa1.0.01543.1	197	43645	2.00E-88	189	197	95 -	1	197	7799	7995
UN59152	Rsa1.0.00043.1	737	264937	1.00E-178	381	396	96 -	346	737	143212	143606
UN59153	Rsa1.0.04407.1	706	17504	1.00E-174	327	333	98 -	374	706	4291	4623
UN59154	Rsa1.0.16565.1	646	2110	0	496	522	95 -	121	640	493	1014
UN59155	Rsa1.0.00173.1	732	288743	1.00E-135	274	282	97 +	3	281	42961	43241
UN59156	Rsa1.0.00163.1	526	116847	4.00E-42	100	104	96 +	85	188	63366	63469
UN59157	Rsa1.0.01065.1	779	55264	1.00E-141	311	330	94 +	3	326	798	1127
UN59158	Rsa1.0.01785.1	811	39368	6.00E-98	185	186	99 +	1	186	16605	16790
UN59159	Rsa1.0.00277.1	356	100132	1.00E-35	87	89	97 +	268	356	49296	49383
UN59160	Rsa1.0.13686.1	528	4480	0	446	458	97 +	71	528	381	837
UN59161	Rsa1.0.00088.1	604	141341	1.00E-167	315	318	99 -	288	604	55146	55462

UN59162	Rsa1.0.02914.1	752	26815	1.00E-101	204	208	98 +	1	207	22976	23183
UN59163	Rsa1.0.00635.1	444	175826	0	403	428	94 -	3	429	107077	107492
UN59164	Rsa1.0.02507.1	701	30696	1.00E-143	303	317	95 +	4	320	10183	10498
UN59165	Rsa1.0.01670.1	718	41260	0	694	701	99 -	18	718	3811	4508
UN59166	Rsa1.0.00999.1	641	57162	0	602	654	92 +	1	641	38044	38688
UN59167	Rsa1.0.00205.1	761	193401	0	725	764	94 -	1	761	186509	187272
UN59168	Rsa1.0.03541.1	754	22194	1.00E-125	244	247	98 -	506	750	18039	18285
UN59169	Rsa1.0.00670.1	238	69371	1.00E-126	234	236	99 +	2	237	9368	9603
UN59170	Rsa1.0.17534.1	669	1803	1.00E-160	295	298	98 -	1	298	1368	1665
UN59171	Rsa1.0.05522.1	665	13441	0	632	641	98 -	20	660	5389	6029
UN59172	Rsa1.0.09112.1	668	6641	1.00E-149	338	361	93 +	11	371	5670	6022
UN59173	Rsa1.0.01015.1	701	56752	1.00E-24	195	244	79 +	278	505	1747	1990
UN59174	Rsa1.0.02662.1	798	28956	1.00E-140	277	285	97 +	162	446	7819	8103
UN59175	Rsa1.0.00112.1	644	132199	0	605	633	95 +	1	625	115082	115714
UN59176	Rsa1.0.00064.1	702	240927	1.00E-101	191	192	99 +	139	330	182799	182990
UN59177	Rsa1.0.17597.1	765	1788	3.00E-87	185	192	96 +	141	332	1057	1248
UN59178	Rsa1.0.01008.1	622	56924	0	592	595	99 -	28	622	9557	10151
UN59179	Rsa1.0.69907.1	539	328	1.00E-156	285	287	99 -	187	473	1	287
UN59180	Rsa1.0.00026.1	728	327835	0	693	736	94 -	1	728	230593	231317
UN59181	Rsa1.0.01081.1	663	499226	1.00E-137	248	248	100 -	416	663	170966	171213
UN59182	Rsa1.0.07639.1	715	8966	0	704	711	99 -	2	710	7060	7770
UN59183	Rsa1.0.02858.1	406	27246	1.00E-57	127	130	97 -	103	232	5128	5256
UN59184	Rsa1.0.00253.1	693	231292	0	438	454	96 -	240	692	25589	26042
UN59185	Rsa1.0.00420.1	373	86496	1.00E-106	225	234	96 -	3	233	45120	45353
UN59186	Rsa1.0.00806.1	692	63674	1.00E-169	339	350	96 +	186	534	20246	20595
UN59187	Rsa1.0.10321.1	786	5887	0	641	685	93 -	108	776	198	879
UN59188	Rsa1.0.00703.1	721	67597	1.00E-77	169	176	96 -	3	178	32491	32666
UN59189	Rsa1.0.02996.1	790	26152	1.00E-83	161	162	99 +	305	466	20002	20163
UN59190	Rsa1.0.00710.1	733	67325	2.00E-94	230	246	93 -	486	722	12245	12490
UN59191	Rsa1.0.00333.1	642	94500	3.00E-59	123	125	98 +	4	128	31107	31231
UN59192	Rsa1.0.00813.1	754	63202	1.00E-86	209	224	93 +	299	513	43785	44008
UN59193	Rsa1.0.04689.1	785	16376	0	421	423	99 +	107	529	539	961
UN59194	Rsa1.0.00488.1	517	80490	1.00E-147	278	281	98 +	3	283	5217	5496
UN59195	Rsa1.0.00356.1	669	91521	1.00E-122	252	261	96 +	114	372	47880	48140
UN59196	Rsa1.0.00433.1	692	85381	0	690	691	99 -	2	692	63131	63821
UN59197	Rsa1.0.02568.1	756	30015	1.00E-133	253	257	98 -	3	259	11243	11499
UN59198	Rsa1.0.04935.1	734	15403	2.00E-38	124	138	89 +	5	142	4320	4457
UN59199	Rsa1.0.03160.1	756	24916	0	474	487	97 +	278	756	1010	1496
UN59200	Rsa1.0.00640.1	610	70979	0	575	612	93 -	3	608	34862	35469

UN59201	Rsa1.0.00087.1	783	761073	1.00E-98	239	257	92 +	262	518	233697	233950
UN59202	Rsa1.0.00769.1	706	64911	1.00E-174	337	346	97 +	4	349	12927	13272
UN59203	Rsa1.0.01389.1	777	46716	1.00E-137	293	302	97 +	460	757	10431	10729
UN59204	Rsa1.0.03626.1	794	160993	0	341	344	99 +	2	345	2302	2645
UN59205	Rsa1.0.00649.1	709	70263	1.00E-174	408	436	93 +	178	609	24617	25050
UN59206	Rsa1.0.00187.1	583	393093	1.00E-125	227	227	100 +	1	227	372011	372237
UN59207	Rsa1.0.00365.1	718	90902	0	696	719	96 -	4	718	64913	65631
UN59208	Rsa1.0.00006.1	593	396176	0	477	517	92 -	1	517	271218	271713
UN59209	Rsa1.0.02101.1	706	35017	1.00E-169	326	334	97 +	2	335	28937	29270
UN59210	Rsa1.0.01638.1	677	41857	3.00E-99	208	216	96 +	384	599	35980	36195
UN59211	Rsa1.0.39041.1	557	576	1.00E-135	254	257	98 -	211	467	1	257
UN59212	Rsa1.0.00038.1	627	314568	1.00E-162	331	343	96 -	146	487	253317	253656
UN59213	Rsa1.0.00611.1	727	72410	0	602	613	98 +	112	724	43471	44083
UN59214	Rsa1.0.02392.1	747	152517	2.00E-88	184	190	96 -	451	640	22042	22231
UN59215	Rsa1.0.10432.1	508	5853	0	480	508	94 +	1	508	4601	5106
UN59216	Rsa1.0.02471.1	745	31104	3.00E-90	184	189	97 +	144	332	18663	18851
UN59217	Rsa1.0.01475.1	726	45044	1.00E-173	379	400	94 -	334	726	37384	37783
UN59218	Rsa1.0.07634.1	738	8979	1.00E-178	330	333	99 -	390	721	8463	8795
UN59219	Rsa1.0.00911.1	605	59943	1.00E-147	295	304	97 +	303	605	34004	34307
UN59220	Rsa1.0.17297.1	753	1867	0	495	527	93 -	38	564	1344	1867
UN59221	Rsa1.0.01683.1	813	41059	0	472	509	92 +	282	782	23925	24417
UN59222	Rsa1.0.04057.1	634	19333	1.00E-138	249	249	100 +	222	470	15501	15749
UN59223	Rsa1.0.05713.1	712	12855	1.00E-106	196	196	100 +	1	196	616	811
UN59224	Rsa1.0.01286.1	820	49209	8.00E-94	217	227	95 -	591	815	40552	40777
UN59225	Rsa1.0.01175.1	583	51674	0	398	412	96 -	173	582	13967	14375
UN59226	Rsa1.0.01283.1	847	49257	2.00E-79	157	159	98 +	104	262	15344	15502
UN59227	Rsa1.0.01361.1	155	47226	5.00E-42	138	149	92 -	9	152	20162	20308
UN59228	Rsa1.0.06124.1	832	11681	0	792	842	94 +	7	832	6234	7072
UN59229	Rsa1.0.00422.1	796	86144	0	679	692	98 -	3	691	45223	45914
UN59230	Rsa1.0.02500.1	719	30768	0	458	487	94 +	151	634	8542	9025
UN59231	Rsa1.0.04646.1	814	16541	0	390	412	94 +	97	505	443	854
UN59232	Rsa1.0.00634.1	710	71222	1.00E-120	252	261	96 +	375	631	44913	45173
UN59233	Rsa1.0.00047.1	187	168582	3.00E-74	176	187	94 +	1	187	30104	30287
UN59234	Rsa1.0.00632.1	773	183777	1.00E-169	327	333	98 -	413	743	6130	6462
UN59235	Rsa1.0.00028.1	636	293984	0	613	635	96 -	2	636	66861	67495
UN59236	Rsa1.0.05233.1	628	14422	1.00E-158	312	322	96 +	1	322	6331	6652
UN59237	Rsa1.0.00134.1	796	390219	1.00E-105	201	203	99 -	174	376	46370	46572
UN59238	Rsa1.0.01412.1	693	46311	1.00E-147	296	306	96 +	3	299	14305	14610
UN59239	Rsa1.0.00257.1	745	102407	0	501	515	97 -	1	515	79985	80499

UN59240	Rsa1.0.00236.1	240	104771	3.00E-50	144	157	91 -	73	228	96721	96877
UN59241	Rsa1.0.00792.1	693	64163	0	539	570	94 +	3	572	2510	3079
UN59242	Rsa1.0.12117.1	172	5311	5.00E-70	158	166	95 -	1	166	4222	4387
UN59243	Rsa1.0.00028.1	774	293984	0	624	672	92 +	4	673	265245	265898
UN59244	Rsa1.0.01846.1	720	38367	0	695	719	96 -	3	720	16276	16994
UN59245	Rsa1.0.00369.1	796	266462	7.00E-82	167	171	97 -	263	433	147360	147530
UN59246	Rsa1.0.00412.1	713	86935	0	482	496	97 -	27	518	2899	3393
UN59247	Rsa1.0.01248.1	551	154103	1.00E-107	263	282	93 +	270	551	11758	12032
UN59248	Rsa1.0.00552.1	653	206757	5.00E-76	183	195	93 -	7	201	20128	20319
UN59249	Rsa1.0.04266.1	714	18195	1.00E-148	311	325	95 +	397	714	5607	5931
UN59250	Rsa1.0.00150.1	720	154416	1.00E-171	328	336	97 -	24	359	60307	60642
UN59251	Rsa1.0.03843.1	198	20496	1.00E-80	179	188	95 +	11	198	16773	16960
UN59252	Rsa1.0.00047.1	681	168582	0	564	582	96 +	74	655	122835	123416
UN59253	Rsa1.0.01305.1	659	48730	0	646	658	98 -	2	659	6217	6874
UN59254	Rsa1.0.00500.1	836	272308	0	540	556	97 -	246	801	31785	32340
UN59255	Rsa1.0.00120.1	790	277288	3.00E-16	63	69	91 +	304	372	232781	232849
UN59256	Rsa1.0.02928.1	649	26680	0	522	555	94 +	1	537	20010	20560
UN59257	Rsa1.0.11375.1	745	5528	1.00E-153	372	407	91 +	1	407	4748	5136
UN59258	Rsa1.0.03860.1	266	20407	1.00E-74	252	288	87 +	1	266	15814	16100
UN59259	Rsa1.0.01060.1	782	55368	1.00E-104	255	275	92 -	1	272	22827	23096
UN59260	Rsa1.0.00686.1	727	68511	1.00E-119	263	277	94 +	142	418	57551	57821
UN59261	Rsa1.0.00806.1	897	63674	0	535	568	94 -	1	554	4643	5210
UN59262	Rsa1.0.00376.1	710	90101	3.00E-99	187	188	99 -	490	677	23097	23284
UN59263	Rsa1.0.00224.1	786	327530	2.00E-63	133	136	97 +	469	604	205575	205710
UN59264	Rsa1.0.00518.1	799	78360	2.00E-97	193	197	97 +	215	411	19614	19810
UN59265	Rsa1.0.02748.1	638	28242	0	521	554	94 +	43	590	14277	14825
UN59266	Rsa1.0.00356.1	491	91521	2.00E-99	208	216	96 +	1	216	80190	80405
UN59267	Rsa1.0.03302.1	602	23898	1.00E-172	348	361	96 +	1	358	17712	18072
UN59268	Rsa1.0.00961.1	294	58185	1.00E-105	211	217	97 -	1	217	17672	17888
UN59269	Rsa1.0.03860.1	282	20407	4.00E-56	150	163	92 +	67	229	14428	14590
UN59270	Rsa1.0.06800.1	328	10335	1.00E-141	268	273	98 +	1	273	196	468
UN59271	#	#	#	#	#	#	#	#	#	#	#
UN59272	Rsa1.0.06045.1	550	11858	0	422	427	98 -	1	427	3948	4374
UN59273	Rsa1.0.06259.1	578	11370	0	565	585	96 -	1	578	685	1269
UN59274	Rsa1.0.02264.1	767	33233	1.00E-177	365	381	95 +	167	547	8307	8684
UN59275	Rsa1.0.02626.1	369	29387	1.00E-124	246	253	97 +	1	253	23041	23293
UN59276	Rsa1.0.00817.1	222	62961	5.00E-86	207	221	93 +	3	222	53964	54184
UN59277	Rsa1.0.02991.1	745	26178	0	440	460	95 -	15	471	2153	2610
UN59278	Rsa1.0.01567.1	819	43090	0	779	826	94 -	1	819	4297	5122

UN59279	Rsa1.0.00002.1	112	601661	1.00E-41	101	106	95 +	7	112	82023	82128
UN59280	Rsa1.0.01308.1	677	48596	1.00E-169	364	381	95 -	299	674	26029	26406
UN59281	Rsa1.0.00092.1	506	659932	1.00E-125	287	307	93 +	94	400	518004	518304
UN59282	Rsa1.0.05004.1	360	15172	1.00E-135	262	268	97 +	1	268	1481	1748
UN59283	Rsa1.0.12420.1	504	5230	1.00E-138	400	453	88 -	1	431	2344	2785
UN59284	Rsa1.0.00065.1	264	454616	1.00E-103	245	264	92 +	3	259	4680	4943
UN59285	#	#	#	#	#	#	#	#	#	#	#
UN59286	Rsa1.0.02283.1	779	33024	0	511	527	96 -	2	528	18511	19029
UN59287	Rsa1.0.00301.1	518	365315	1.00E-133	353	390	90 +	98	474	194144	194528
UN59288	Rsa1.0.01182.1	733	167304	1.00E-127	290	309	93 +	350	655	117900	118208
UN59289	Rsa1.0.02812.1	748	27660	0	446	468	95 +	1	461	3688	4155
UN59290	Rsa1.0.01239.1	292	50107	5.00E-99	207	215	96 -	78	292	5307	5521
UN59291	Rsa1.0.00725.1	758	66757	0	466	489	95 -	44	532	10669	11155
UN59292	Rsa1.0.29217.1	782	789	1.00E-132	357	396	90 +	390	771	286	681
UN59293	Rsa1.0.00447.1	353	84051	1.00E-105	228	238	95 -	7	244	33914	34150
UN59294	Rsa1.0.00151.1	687	119541	1.00E-157	303	310	97 +	1	310	12291	12600
UN59295	Rsa1.0.00117.1	103	213118	5.00E-41	97	101	96 +	3	103	202654	202754
UN59296	Rsa1.0.03001.1	271	26108	6.00E-49	156	175	89 +	4	173	9533	9707
UN59297	Rsa1.0.04200.1	732	18490	0	666	688	96 +	1	687	8543	9224
UN59298	Rsa1.0.00651.1	754	247766	1.00E-177	323	326	99 +	1	326	181040	181365
UN59299	Rsa1.0.00387.1	678	495407	0	452	457	98 +	1	457	352064	352520
UN59300	Rsa1.0.03413.1	697	23137	0	475	508	93 -	27	534	8284	8788
UN59301	Rsa1.0.01261.1	146	49744	3.00E-49	137	149	91 -	1	146	9702	9850
UN59302	Rsa1.0.00671.1	559	397884	0	479	503	95 +	4	506	267942	268443
UN59303	Rsa1.0.00083.1	848	442773	0	792	823	96 +	32	848	359544	360362
UN59304	Rsa1.0.00071.1	718	345714	1.00E-152	298	304	98 -	1	302	135274	135576
UN59305	Rsa1.0.00407.1	791	191544	0	760	797	95 +	1	791	155495	156273
UN59306	Rsa1.0.21531.1	813	1195	1.00E-120	227	228	99 +	587	813	664	891
UN59307	Rsa1.0.26615.1	695	884	1.00E-117	233	239	97 -	3	241	273	511
UN59308	Rsa1.0.00359.1	798	91256	0	756	780	96 -	19	798	21954	22733
UN59309	Rsa1.0.13883.1	448	4153	2.00E-80	155	156	99 -	111	266	2949	3104
UN59310	Rsa1.0.00182.1	879	142305	0	690	721	95 -	1	718	94201	94916
UN59311	Rsa1.0.00291.1	637	172129	0	343	347	98 +	1	347	71499	71845
UN59312	Rsa1.0.00330.1	410	94666	1.00E-172	384	410	93 -	1	410	17156	17565
UN59313	Rsa1.0.15385.1	742	2644	0	438	444	98 -	299	742	331	774
UN59314	Rsa1.0.52707.1	772	432	0	351	351	100 -	1	351	1	351
UN59315	Rsa1.0.02715.1	664	28466	0	650	666	97 +	5	664	6885	7550
UN59316	Rsa1.0.00003.1	735	340054	1.00E-64	264	310	85 -	18	327	159464	159773
UN59317	Rsa1.0.00293.1	734	339294	0	734	734	100 -	1	734	177646	178379

UN59318	Rsa1.0.00161.1	225	116891	1.00E-105	217	225	96 -	1	225	24903	25127
UN59319	Rsa1.0.00229.1	128	105471	2.00E-47	117	124	94 -	5	128	43089	43212
UN59320	Rsa1.0.00630.1	778	71281	0	752	810	92 -	1	778	23932	24739
UN59321	Rsa1.0.00287.1	779	98687	1.00E-136	294	310	94 +	270	579	50187	50496
UN59322	Rsa1.0.00308.1	712	96915	1.00E-89	183	188	97 +	525	712	94163	94350
UN59323	Rsa1.0.00307.1	319	199003	5.00E-93	221	233	94 +	56	284	60726	60954
UN59324	Rsa1.0.00179.1	786	393324	1.00E-112	206	206	100 +	4	209	51835	52040
UN59325	Rsa1.0.00065.1	131	454616	2.00E-40	112	120	93 -	1	120	448348	448466
UN59326	Rsa1.0.01438.1	161	45882	3.00E-40	105	112	93 -	5	116	32161	32272
UN59327	Rsa1.0.00053.1	678	263459	0	645	659	97 +	22	678	243012	243670
UN59328	Rsa1.0.00347.1	768	93048	0	649	721	90 +	1	694	82533	83234
UN59329	Rsa1.0.00143.1	235	121313	3.00E-84	192	201	95 +	36	235	32817	33015
UN59330	Rsa1.0.00103.1	754	135304	1.00E-116	233	240	97 +	1	240	126538	126777
UN59331	Rsa1.0.00198.1	829	222963	1.00E-166	303	305	99 +	1	305	51087	51391
UN59332	Rsa1.0.05343.1	650	14103	0	634	641	98 +	10	650	11684	12324
UN59333	Rsa1.0.00158.1	728	117999	0	673	696	96 +	1	685	23829	24524
UN59334	Rsa1.0.08586.1	639	7157	1.00E-162	334	350	95 +	290	639	1944	2284
UN59335	Rsa1.0.00088.1	412	141341	6.00E-87	193	203	95 -	210	412	4827	5029
UN59336	Rsa1.0.00979.1	710	57733	0	656	697	94 -	2	698	44924	45600
UN59337	Rsa1.0.00817.1	709	62961	0	416	429	96 -	1	424	30881	31305
UN59338	Rsa1.0.01436.1	414	45894	1.00E-108	298	327	91 -	14	334	16901	17220
UN59339	Rsa1.0.00706.1	136	291570	8.00E-22	74	81	91 +	1	81	25929	26009
UN59340	Rsa1.0.01453.1	581	45449	9.00E-56	123	127	96 -	323	449	1808	1934
UN59341	Rsa1.0.03612.1	386	21784	1.00E-178	374	392	95 -	1	386	9886	10277
UN59342	Rsa1.0.00359.1	776	91256	0	479	511	93 -	3	494	13631	14141
UN59343	Rsa1.0.00773.1	612	64839	0	459	494	92 -	1	491	13672	14164
UN59344	Rsa1.0.00215.1	195	201775	2.00E-63	156	167	93 -	8	174	163836	164002
UN59345	Rsa1.0.01570.1	712	43015	3.00E-93	281	315	89 +	1	299	10814	11124
UN59346	Rsa1.0.00220.1	543	192936	2.00E-75	252	285	88 +	3	274	143179	143460
UN59347	Rsa1.0.00026.1	495	327835	1.00E-110	203	203	100 +	219	421	290986	291188
UN59348	Rsa1.0.02962.1	408	26419	1.00E-135	368	409	89 +	5	405	11390	11777
UN59349	Rsa1.0.00113.1	758	131574	0	727	756	96 +	5	758	123275	124025
UN59350	Rsa1.0.03640.1	581	21624	2.00E-69	140	142	98 +	163	304	17532	17673
UN59351	Rsa1.0.03304.1	708	23883	0	484	513	94 -	5	514	18843	19347
UN59352	Rsa1.0.17888.1	471	1717	1.00E-128	249	253	98 +	14	266	1109	1360
UN59353	Rsa1.0.01145.1	794	149247	0	489	509	96 +	1	506	123244	123750
UN59354	Rsa1.0.00195.1	831	251884	0	377	391	96 +	37	423	217405	217795
UN59355	Rsa1.0.00026.1	783	327835	0	407	409	99 +	2	410	52965	53372
UN59356	Rsa1.0.08927.1	654	6782	1.00E-130	273	284	96 -	5	287	87	370

UN59357	Rsa1.0.00123.1	664	325650	0	537	558	96 +	105	653	164267	164823
UN59358	Rsa1.0.01149.1	600	160459	3.00E-80	195	204	95 +	1	201	129794	129996
UN59359	Rsa1.0.00512.1	713	200277	0	426	447	95 -	1	443	71437	71883
UN59360	Rsa1.0.18254.1	721	1636	1.00E-141	326	348	93 +	2	335	682	1024
UN59361	Rsa1.0.01170.1	192	161131	4.00E-46	120	128	93 +	65	192	115176	115300
UN59362	Rsa1.0.14157.1	830	3726	1.00E-112	231	238	97 -	17	254	134	370
UN59363	Rsa1.0.00243.1	675	103651	0	613	639	95 +	38	675	87334	87972
UN59364	Rsa1.0.04386.1	703	17627	0	466	484	96 -	1	481	15113	15595
UN59365	Rsa1.0.12479.1	382	5214	2.00E-21	74	81	91 +	261	341	15	95
UN59366	Rsa1.0.01094.1	780	167285	0	532	564	94 -	39	591	49222	49779
UN59367	Rsa1.0.00311.1	559	96847	1.00E-110	225	232	96 +	101	332	33665	33892
UN59368	Rsa1.0.00483.1	641	81102	1.00E-164	293	293	100 -	1	293	76625	76917
UN59369	Rsa1.0.02485.1	763	30968	0	505	527	95 +	1	525	21489	22014
UN59370	Rsa1.0.06038.1	584	11867	1.00E-163	382	409	93 -	2	409	8497	8901
UN59371	Rsa1.0.02214.1	198	161150	3.00E-31	78	81	96 +	60	140	527	607
UN59372	Rsa1.0.03365.1	460	23410	0	442	460	96 -	3	459	13261	13715
UN59373	Rsa1.0.00968.1	676	58020	1.00E-165	319	327	97 +	341	667	50504	50830
UN59374	Rsa1.0.00104.1	753	368722	0	699	741	94 -	14	753	213178	213918
UN59375	Rsa1.0.05517.1	673	13460	1.00E-101	225	236	95 -	11	245	7139	7374
UN59376	Rsa1.0.03780.1	445	20899	1.00E-109	218	224	97 +	1	224	10879	11102
UN59377	Rsa1.0.00050.1	779	237174	0	669	693	96 -	31	717	169290	169978
UN59378	Rsa1.0.00072.1	643	148743	0	376	383	98 -	151	532	10439	10821
UN59379	Rsa1.0.00336.1	690	445051	1.00E-61	130	133	97 -	353	485	305579	305711
UN59380	Rsa1.0.01565.1	791	155447	1.00E-147	286	293	97 -	499	791	9186	9478
UN59381	Rsa1.0.29430.1	725	783	0	536	560	95 -	168	725	225	783
UN59382	Rsa1.0.04279.1	888	18113	1.00E-159	317	325	97 -	1	325	16443	16765
UN59383	#	#	#	#	#	#	#	#	#	#	#
UN59384	Rsa1.0.03579.1	770	21969	1.00E-145	337	358	94 +	1	350	19418	19775
UN59385	Rsa1.0.02505.1	639	30703	0	530	580	91 +	1	563	22035	22609
UN59386	Rsa1.0.00420.1	829	86496	0	454	464	97 -	356	819	6924	7387
UN59387	Rsa1.0.00339.1	859	222974	1.00E-154	276	276	100 -	1	276	5454	5729
UN59388	Rsa1.0.02076.1	708	153121	1.00E-162	325	337	96 -	370	706	30100	30430
UN59389	Rsa1.0.00081.1	644	143261	0	609	634	96 -	10	642	123487	124115
UN59390	Rsa1.0.05570.1	214	13301	1.00E-101	207	214	96 -	1	214	12968	13181
UN59391	Rsa1.0.01153.1	741	52264	0	357	361	98 -	3	362	37100	37460
UN59392	Rsa1.0.00194.1	294	110851	1.00E-137	285	297	95 +	1	294	68741	69037
UN59393	Rsa1.0.03682.1	737	21396	1.00E-137	285	297	95 -	3	290	13413	13709
UN59394	Rsa1.0.08078.1	118	7944	5.00E-38	114	122	93 +	1	118	3127	3247
UN59395	Rsa1.0.02810.1	735	27671	0	735	735	100 -	1	735	21489	22223

UN59396	Rsa1.0.00482.1	719	81162	1.00E-127	253	259	97 +	2	259	60459	60717
UN59397	Rsa1.0.04653.1	664	16509	0	381	384	99 -	1	384	2773	3156
UN59398	Rsa1.0.03553.1	809	22150	1.00E-169	347	359	96 +	2	354	14869	15227
UN59399	Rsa1.0.00101.1	205	267193	7.00E-54	182	208	87 +	1	205	4444	4641
UN59400	Rsa1.0.09006.1	880	6715	0	844	855	98 -	1	846	5391	6245
UN59401	Rsa1.0.07021.1	299	10016	3.00E-48	146	162	90 -	138	299	7265	7426
UN59402	Rsa1.0.00227.1	749	105849	0	541	547	98 +	1	547	90203	90746
UN59403	Rsa1.0.08133.1	728	7852	0	433	444	97 -	285	728	1359	1802
UN59404	Rsa1.0.00857.1	676	61904	0	373	376	99 +	301	676	23316	23690
UN59405	Rsa1.0.08074.1	743	7952	0	464	479	96 -	69	547	6387	6865
UN59406	Rsa1.0.04489.1	771	17145	2.00E-94	194	200	97 -	357	556	9319	9518
UN59407	Rsa1.0.00094.1	235	139042	6.00E-98	202	209	96 +	1	209	130535	130743
UN59408	Rsa1.0.01289.1	700	49181	0	339	344	98 +	1	344	6130	6473
UN59409	Rsa1.0.00197.1	122	109714	1.00E-23	101	116	87 -	7	122	65137	65252
UN59410	Rsa1.0.06468.1	197	10958	7.00E-91	188	193	97 +	1	193	583	774
UN59411	Rsa1.0.00218.1	775	201480	1.00E-130	282	297	94 -	169	465	111393	111680
UN59412	Rsa1.0.00604.1	118	146282	8.00E-37	105	114	92 -	5	118	123431	123544
UN59413	#	#	#	#	#	#	#	#	#	#	#
UN59414	Rsa1.0.00016.1	202	831256	9.00E-66	185	200	92 +	9	202	225491	225689
UN59415	Rsa1.0.02550.1	866	291051	0	466	478	97 +	383	855	274287	274764
UN59416	Rsa1.0.03257.1	210	24305	6.00E-76	197	212	92 +	1	210	13758	13969
UN59417	Rsa1.0.00413.1	549	86921	0	518	561	92 -	1	549	4698	5258
UN59418	Rsa1.0.00545.1	750	189649	1.00E-166	319	326	97 -	1	326	2122	2444
UN59419	Rsa1.0.06814.1	736	10309	0	624	657	94 +	2	649	6150	6806
UN59420	Rsa1.0.00045.1	384	328694	1.00E-174	343	354	96 -	31	384	289403	289756
UN59421	Rsa1.0.00491.1	780	80219	0	750	782	95 +	1	778	72404	73182
UN59422	Rsa1.0.02196.1	793	34005	1.00E-106	211	216	97 -	388	603	2308	2523
UN59423	Rsa1.0.00402.1	198	385315	3.00E-84	188	198	94 +	1	198	228529	228726
UN59424	Rsa1.0.03263.1	645	24268	0	614	650	94 -	1	645	21004	21645
UN59425	Rsa1.0.00491.1	163	80219	4.00E-24	135	156	86 +	13	163	64271	64426
UN59426	Rsa1.0.03231.1	714	24456	1.00E-144	333	355	93 -	6	355	23696	24048
UN59427	Rsa1.0.09409.1	151	6390	2.00E-56	141	151	93 -	1	151	2226	2376
UN59428	Rsa1.0.00944.1	308	58733	1.00E-110	292	317	92 -	1	308	45934	46245
UN59429	Rsa1.0.01134.1	190	52829	2.00E-42	112	120	93 +	70	189	41897	42016
UN59430	Rsa1.0.00015.1	673	561803	1.00E-166	300	301	99 +	1	301	22195	22495
UN59431	Rsa1.0.07821.1	111	8471	4.00E-17	72	81	88 +	1	81	7629	7709
UN59432	Rsa1.0.01097.1	692	173349	0	664	683	97 +	11	692	28924	29603
UN59433	Rsa1.0.01656.1	868	41494	2.00E-98	189	191	98 +	385	575	12318	12508
UN59434	Rsa1.0.00033.1	127	515811	3.00E-27	114	131	87 +	1	127	431500	431630

UN59435	Rsa1.0.07014.1	780	10029	0	476	495	96 -	5	499	6650	7144
UN59436	Rsa1.0.03136.1	804	25113	0	619	638	97 -	2	624	15270	15907
UN59437	Rsa1.0.01536.1	251	43747	4.00E-90	216	232	93 +	20	251	18980	19211
UN59438	Rsa1.0.01005.1	759	56967	1.00E-147	357	385	92 +	2	383	16017	16393
UN59439	Rsa1.0.04286.1	141	18084	9.00E-28	106	119	89 +	23	141	4207	4324
UN59440	Rsa1.0.00018.1	641	410899	1.00E-162	343	357	96 -	4	357	189085	189440
UN59441	Rsa1.0.00069.1	103	403561	1.00E-16	71	80	88 -	24	103	200738	200817
UN59442	Rsa1.0.02962.1	256	26419	2.00E-48	113	118	95 -	1	118	21023	21140
UN59443	Rsa1.0.01081.1	638	499226	1.00E-131	302	319	94 +	1	316	188832	189146
UN59444	Rsa1.0.00224.1	565	327530	0	542	555	97 -	13	565	185624	186177
UN59445	Rsa1.0.00367.1	459	90750	0	443	461	96 -	2	459	12560	13020
UN59446	Rsa1.0.00029.1	162	272992	2.00E-50	128	136	94 -	29	162	261994	262129
UN59447	Rsa1.0.02642.1	783	29181	0	767	792	96 -	1	783	13446	14237
UN59448	Rsa1.0.00067.1	750	415055	1.00E-136	273	282	96 -	434	715	226623	226904
UN59449	Rsa1.0.07910.1	810	8314	1.00E-49	140	151	92 +	595	741	7822	7972
UN59450	Rsa1.0.33729.1	672	672	1.00E-83	174	178	97 -	1	177	1	178
UN59451	Rsa1.0.08994.1	182	6724	1.00E-70	170	181	93 -	5	182	3572	3752
UN59452	Rsa1.0.12731.1	829	5142	1.00E-173	357	373	95 -	3	366	130	502
UN59453	Rsa1.0.03479.1	472	22631	1.00E-121	357	402	88 -	74	472	21816	22217
UN59454	Rsa1.0.00204.1	805	109056	0	413	426	96 +	38	459	19482	19907
UN59455	Rsa1.0.03898.1	727	20183	0	369	381	96 -	2	382	2513	2888
UN59456	Rsa1.0.00147.1	143	249503	1.00E-33	116	130	89 +	14	139	217856	217985
UN59457	Rsa1.0.00016.1	569	831256	0	375	390	96 -	3	392	785585	785969
UN59458	Rsa1.0.02499.1	828	30774	0	611	651	93 +	185	822	4725	5368
UN59459	Rsa1.0.11429.1	417	5511	1.00E-139	254	255	99 -	37	291	4743	4997
UN59460	Rsa1.0.00198.1	735	222963	0	390	409	95 +	1	407	135019	135427
UN59461	Rsa1.0.00563.1	768	75491	1.00E-108	242	256	94 -	400	655	7880	8135
UN59462	Rsa1.0.00071.1	857	345714	0	821	860	95 +	1	857	318130	318988
UN59463	Rsa1.0.01474.1	766	45070	0	677	719	94 -	1	704	40171	40881
UN59464	Rsa1.0.02386.1	711	31895	0	511	533	95 +	179	711	10729	11261
UN59465	Rsa1.0.01857.1	713	38103	0	688	712	96 +	2	713	12556	13267
UN59466	Rsa1.0.00111.1	156	390088	5.00E-14	55	60	91 -	52	111	152187	152246
UN59467	Rsa1.0.00920.1	322	601703	1.00E-87	188	196	95 +	127	322	17460	17655
UN59468	Rsa1.0.00321.1	782	95671	1.00E-148	321	335	95 -	16	344	40671	41004
UN59469	Rsa1.0.00511.1	783	78616	0	769	795	96 -	2	783	55634	56426
UN59470	Rsa1.0.00899.1	236	60404	4.00E-56	205	235	87 +	3	236	12597	12831
UN59471	Rsa1.0.00522.1	724	78103	0	676	701	96 -	9	708	51939	52632
UN59472	Rsa1.0.02064.1	808	35476	0	456	484	94 +	8	475	16544	17023
UN59473	Rsa1.0.19147.1	110	1473	3.00E-45	104	108	96 +	1	108	1129	1236

UN59474	Rsa1.0.58366.1	701	392	1.00E-153	318	335	94 -	122	456	70	391
UN59475	Rsa1.0.00104.1	663	368722	0	646	665	97 +	3	663	346419	347083
UN59476	Rsa1.0.00017.1	758	752458	0	656	658	99 -	16	673	335525	336182
UN59477	Rsa1.0.02479.1	621	31038	1.00E-112	223	228	97 -	385	609	15298	15525
UN59478	Rsa1.0.25041.1	233	954	2.00E-98	216	226	95 -	2	226	257	482
UN59479	Rsa1.0.08779.1	334	6929	1.00E-137	315	335	94 +	1	334	5811	6144
UN59480	Rsa1.0.00111.1	401	390088	1.00E-163	350	368	95 -	32	399	174815	175177
UN59481	Rsa1.0.01699.1	743	40816	0	380	387	98 +	1	387	17182	17567
UN59482	Rsa1.0.04234.1	565	18378	9.00E-93	194	201	96 -	171	371	7914	8114
UN59483	Rsa1.0.00991.1	545	143101	1.00E-159	381	407	93 -	1	406	29555	29951
UN59484	Rsa1.0.02846.1	744	27338	1.00E-109	246	260	94 +	3	258	16561	16818
UN59485	Rsa1.0.00129.1	813	126831	0	777	842	92 +	1	813	100442	101271
UN59486	Rsa1.0.01869.1	782	37928	0	487	494	98 +	284	776	26818	27311
UN59487	Rsa1.0.01220.1	697	161775	0	667	705	94 -	2	697	113837	114535
UN59488	Rsa1.0.21221.1	690	1224	0	375	384	97 +	307	690	80	462
UN59489	Rsa1.0.01721.1	257	40345	1.00E-117	247	257	96 +	1	257	5756	6011
UN59490	Rsa1.0.00094.1	120	139042	2.00E-13	39	39	100 -	1	39	2138	2176
UN59491	Rsa1.0.00006.1	225	396176	1.00E-34	117	131	89 +	25	155	371237	371367
UN59492	Rsa1.0.04576.1	152	16783	6.00E-32	86	89	96 +	58	146	1267	1352
UN59493	Rsa1.0.00531.1	615	77387	0	612	615	99 +	3	615	26743	27357
UN59494	Rsa1.0.15707.1	809	2469	0	414	416	99 +	3	418	2054	2469
UN59495	Rsa1.0.02157.1	721	149652	1.00E-77	166	172	96 +	1	172	139742	139913
UN59496	Rsa1.0.04483.1	662	17174	1.00E-150	299	308	97 -	1	308	15244	15548
UN59497	Rsa1.0.03656.1	153	21552	2.00E-22	63	66	95 -	4	69	3479	3544
UN59498	Rsa1.0.00456.1	764	82826	0	348	351	99 +	1	351	7495	7845
UN59499	Rsa1.0.01361.1	729	47226	1.00E-119	292	312	93 +	420	729	19202	19509
UN59500	Rsa1.0.06124.1	633	11681	0	602	634	94 -	1	628	6891	7518
UN59501	Rsa1.0.02500.1	809	30768	1.00E-118	283	303	93 -	3	303	10187	10488
UN59502	Rsa1.0.00632.1	769	183777	0	736	769	95 +	2	769	5422	6180
UN59503	Rsa1.0.00194.1	133	110851	3.00E-18	112	130	86 -	1	129	13404	13530
UN59504	Rsa1.0.01819.1	548	38834	1.00E-54	133	140	95 +	297	436	27161	27298
UN59505	Rsa1.0.54167.1	143	421	9.00E-25	97	110	88 +	34	143	176	285
UN59506	Rsa1.0.04608.1	545	16661	1.00E-153	334	354	94 -	198	545	8176	8529
UN59507	Rsa1.0.06376.1	154	11135	1.00E-57	143	153	93 +	1	153	10252	10404
UN59508	Rsa1.0.06740.1	541	10439	1.00E-168	376	399	94 +	1	396	7401	7795
UN59509	Rsa1.0.00030.1	734	250988	0	366	377	97 -	1	376	103386	103761
UN59510	Rsa1.0.01412.1	726	46311	0	393	411	95 -	2	400	15912	16322
UN59511	Rsa1.0.00257.1	484	102407	0	446	473	94 +	12	484	78840	79312
UN59512	Rsa1.0.01147.1	518	52391	3.00E-61	276	334	82 +	1	330	46073	46362

UN59513	Rsa1.0_13227.1	713	4963	0	342	348	98 +	366	713	1	348
UN59514	Rsa1.0_00028.1	668	293984	0	651	666	97 -	4	668	266302	266967
UN59515	Rsa1.0_01846.1	122	38367	3.00E-39	112	122	91 +	1	122	16024	16145
UN59516	Rsa1.0_00369.1	164	266462	7.00E-26	101	115	87 +	52	160	146745	146859
UN59517	Rsa1.0_00133.1	577	123768	1.00E-155	280	281	99 -	46	326	28001	28281
UN59518	Rsa1.0_00006.1	602	396176	1.00E-127	295	315	93 -	121	434	201166	201480
UN59519	Rsa1.0_01121.1	773	53407	0	750	774	96 -	2	773	7884	8655
UN59520	Rsa1.0_02884.1	627	27034	0	419	433	96 -	51	478	6764	7195
UN59521	Rsa1.0_01412.1	288	46311	7.00E-55	235	274	85 +	17	288	10334	10603
UN59522	Rsa1.0_07263.1	146	9644	3.00E-34	125	142	88 -	1	142	5437	5578
UN59523	Rsa1.0_01561.1	722	43227	1.00E-95	178	178	100 -	154	331	19302	19479
UN59524	Rsa1.0_00090.1	339	273859	1.00E-59	129	133	96 +	144	276	77912	78044
UN59525	Rsa1.0_02792.1	159	27829	3.00E-74	156	160	97 +	2	159	19485	19644
UN59526	Rsa1.0_16574.1	526	2106	0	378	386	97 +	46	431	1717	2102
UN59527	Rsa1.0_00098.1	277	349239	1.00E-90	169	169	100 +	3	171	293303	293471
UN59528	Rsa1.0_13815.1	134	4270	1.00E-23	56	56	100 -	79	134	1094	1149
UN59529	Rsa1.0_07219.1	232	9702	7.00E-33	88	92	95 -	75	166	1086	1176
UN59530	Rsa1.0_01803.1	608	173846	0	593	609	97 -	1	608	148853	149461
UN59531	Rsa1.0_00029.1	119	272992	2.00E-25	68	71	95 -	1	71	24583	24653
UN59532	Rsa1.0_09029.1	436	6700	0	428	437	97 -	3	436	5806	6241
UN59533	Rsa1.0_04581.1	121	16772	8.00E-31	92	100	92 +	13	112	16673	16772
UN59534	Rsa1.0_01478.1	656	44991	0	446	452	98 +	2	450	30821	31272
UN59535	Rsa1.0_00011.1	206	225044	6.00E-36	121	129	93 -	74	202	206033	206156
UN59536	Rsa1.0_00006.1	508	396176	2.00E-62	189	206	91 -	254	452	303349	303552
UN59537	Rsa1.0_00894.1	246	269700	5.00E-40	84	84	100 -	163	246	128467	128550
UN59538	Rsa1.0_05495.1	188	13534	3.00E-53	120	122	98 -	57	178	2628	2747
UN59539	Rsa1.0_00661.1	783	213041	8.00E-57	199	229	86 +	208	422	62944	63172
UN59540	Rsa1.0_03448.1	757	22844	1.00E-148	270	271	99 -	487	757	19662	19932
UN59541	Rsa1.0_01323.1	663	48152	1.00E-174	316	318	99 -	274	591	45463	45780
UN59542	Rsa1.0_00236.1	264	104771	2.00E-51	120	125	96 -	1	125	20717	20838
UN59543	Rsa1.0_00396.1	291	88242	4.00E-90	174	176	98 +	94	269	18478	18653
UN59544	Rsa1.0_02010.1	806	36096	0	369	379	97 +	3	381	7547	7922
UN59545	Rsa1.0_02178.1	649	156197	0	641	650	98 +	2	649	15151	15798
UN59546	Rsa1.0_02065.1	206	35467	2.00E-97	198	204	97 -	3	206	131	334
UN59547	Rsa1.0_02378.1	194	31991	2.00E-38	115	121	95 +	1	121	13982	14098
UN59548	Rsa1.0_02605.1	745	29637	0	720	743	96 +	3	745	27473	28203
UN59549	Rsa1.0_00063.1	652	156150	0	359	368	97 +	279	646	141619	141986
UN59550	Rsa1.0_00246.1	661	103541	1.00E-134	286	299	95 -	365	661	42143	42438
UN59551	Rsa1.0_01453.1	804	45449	1.00E-109	227	233	97 -	545	775	14884	15116

UN59552	Rsa1.0.00026.1	673	327835	1.00E-149	319	334	95 -	3	336	48784	49114
UN59553	Rsa1.0.00690.1	669	140527	3.00E-90	181	185	97 -	472	656	26592	26776
UN59554	Rsa1.0.02975.1	823	26322	0	644	689	93 -	4	673	7477	8160
UN59555	Rsa1.0.01078.1	741	316910	0	374	385	97 +	31	415	283224	283605
UN59556	Rsa1.0.01509.1	795	44258	0	713	744	95 -	52	787	19793	20536
UN59557	Rsa1.0.01937.1	690	37147	2.00E-72	139	139	100 -	211	349	32017	32155
UN59558	Rsa1.0.02792.1	764	27829	0	507	507	100 -	3	509	27101	27607
UN59559	Rsa1.0.01018.1	707	56685	1.00E-152	312	323	96 -	378	698	12050	12366
UN59560	Rsa1.0.04379.1	764	17646	1.00E-114	231	238	97 +	3	240	15248	15485
UN59561	Rsa1.0.00040.1	564	324196	0	541	568	95 +	1	564	39238	39798
UN59562	Rsa1.0.01048.1	515	55684	1.00E-118	224	227	98 +	1	227	42148	42374
UN59563	Rsa1.0.00898.1	796	202772	5.00E-58	118	119	99 +	92	210	6844	6962
UN59564	Rsa1.0.05909.1	509	12265	1.00E-172	324	330	98 +	66	395	9036	9365
UN59565	Rsa1.0.06594.1	606	10700	0	549	618	88 -	4	606	4832	5424
UN59566	Rsa1.0.00270.1	741	101236	4.00E-86	162	162	100 -	1	162	64245	64406
UN59567	Rsa1.0.00858.1	783	61892	0	560	570	98 +	2	571	18792	19361
UN59568	Rsa1.0.01527.1	765	43905	1.00E-140	291	305	95 -	7	311	37951	38246
UN59569	Rsa1.0.01000.1	786	57140	1.00E-132	277	291	95 -	2	292	18873	19153
UN59570	Rsa1.0.02840.1	778	27386	1.00E-129	359	393	91 -	406	777	16975	17365
UN59571	Rsa1.0.00447.1	682	84051	4.00E-95	222	237	93 +	3	229	23712	23948
UN59572	Rsa1.0.00020.1	675	283099	0	648	677	95 +	3	675	197116	197792
UN59573	Rsa1.0.00084.1	480	142338	0	384	386	99 +	2	387	28362	28747
UN59574	Rsa1.0.01149.1	746	160459	2.00E-85	167	169	98 -	578	746	24804	24972
UN59575	Rsa1.0.00009.1	780	232558	5.00E-58	154	167	92 -	482	648	72177	72343
UN59576	Rsa1.0.00577.1	595	174827	0	547	567	96 +	27	593	490	1056
UN59577	Rsa1.0.19461.1	254	1428	1.00E-126	247	253	97 +	2	254	74	326
UN59578	Rsa1.0.01804.1	551	39038	1.00E-131	238	238	100 +	314	551	34250	34487
UN59579	Rsa1.0.07344.1	756	9528	1.00E-129	259	267	97 +	1	267	5021	5287
UN59580	Rsa1.0.00007.1	613	239325	1.00E-165	303	306	99 -	307	612	126978	127283
UN59581	Rsa1.0.00931.1	667	59210	1.00E-125	243	248	97 -	71	318	49295	49542
UN59582	Rsa1.0.00226.1	752	105884	0	672	701	95 +	53	748	31502	32195
UN59583	Rsa1.0.03743.1	315	21062	1.00E-102	294	325	90 -	1	315	16650	16962
UN59584	Rsa1.0.00028.1	701	293984	1.00E-124	256	266	96 -	399	664	66521	66786
UN59585	Rsa1.0.00022.1	664	200461	3.00E-90	184	189	97 -	350	538	126768	126956
UN59586	Rsa1.0.00107.1	716	431659	0	702	717	97 +	3	716	101586	102299
UN59587	Rsa1.0.01968.1	625	36654	0	573	601	95 +	32	625	10040	10636
UN59588	Rsa1.0.06169.1	640	11578	0	370	385	96 +	3	386	6654	7031
UN59589	Rsa1.0.00784.1	737	64359	0	708	739	95 +	3	730	36021	36752
UN59590	Rsa1.0.00067.1	786	415055	1.00E-177	492	540	91 -	281	786	58856	59393

UN59591	Rsa1.0.02673.1	726	28877	0	669	701	95 -	3	697	15009	15706
UN59592	Rsa1.0.16090.1	795	2289	0	715	747	95 -	61	794	932	1678
UN59593	Rsa1.0.00300.1	769	97747	1.00E-159	293	296	98 +	315	610	81779	82074
UN59594	Rsa1.0.03614.1	777	21773	1.00E-167	340	350	97 +	415	761	20041	20390
UN59595	Rsa1.0.00940.1	617	179946	0	558	616	90 -	2	617	178028	178640
UN59596	Rsa1.0.03081.1	754	25523	0	536	559	95 -	4	562	23809	24367
UN59597	Rsa1.0.00785.1	697	64356	1.00E-143	319	341	93 +	2	340	31585	31907
UN59598	Rsa1.0.00092.1	768	659932	2.00E-35	398	494	80 +	76	552	163122	163605
UN59599	Rsa1.0.01188.1	822	51362	2.00E-67	149	155	96 -	444	598	47432	47586
UN59600	Rsa1.0.04873.1	739	15657	1.00E-136	277	286	96 -	53	337	8146	8431
UN59601	Rsa1.0.01625.1	741	42019	1.00E-128	262	268	97 -	462	726	20465	20732
UN59602	Rsa1.0.00022.1	161	200461	5.00E-79	158	161	98 -	1	161	114069	114229
UN59603	Rsa1.0.00649.1	776	70263	0	409	420	97 +	124	543	24456	24875
UN59604	Rsa1.0.00143.1	720	121313	0	642	711	90 +	17	704	8935	9619
UN59605	Rsa1.0.33527.1	179	676	2.00E-32	97	104	93 -	28	131	486	584
UN59606	Rsa1.0.00171.1	809	115622	2.00E-67	137	139	98 -	561	699	91557	91695
UN59607	Rsa1.0.00412.1	760	86935	0	468	497	94 +	29	522	18332	18822
UN59608	Rsa1.0.00056.1	458	332604	1.00E-107	215	221	97 -	207	427	61763	61983
UN59609	Rsa1.0.02170.1	786	34352	0	474	502	94 -	278	773	30924	31425
UN59610	Rsa1.0.18381.1	774	1611	1.00E-133	276	287	96 +	42	328	1113	1396
UN59611	Rsa1.0.01022.1	685	56606	0	408	427	95 +	209	635	28582	28998
UN59612	Rsa1.0.01339.1	680	47813	1.00E-177	349	358	97 -	314	670	46398	46754
UN59613	Rsa1.0.00028.1	757	293984	1.00E-77	182	191	95 -	15	204	23439	23627
UN59614	Rsa1.0.28848.1	307	801	1.00E-107	232	242	95 -	2	241	385	624
UN59615	Rsa1.0.00407.1	752	191544	0	687	728	94 -	1	713	155936	156661
UN59616	Rsa1.0.06872.1	788	10231	1.00E-104	218	226	96 -	152	374	1961	2186
UN59617	Rsa1.0.01725.1	737	40290	1.00E-113	244	257	94 +	1	250	32298	32554
UN59618	Rsa1.0.00418.1	352	215377	1.00E-155	297	301	98 -	53	352	16462	16761
UN59619	Rsa1.0.02383.1	702	31931	1.00E-133	277	289	95 -	321	609	16962	17250
UN59620	Rsa1.0.00089.1	793	406142	1.00E-162	301	305	98 -	98	402	323800	324104
UN59621	Rsa1.0.00827.1	674	62790	1.00E-172	310	311	99 -	1	311	18296	18606
UN59622	Rsa1.0.00216.1	324	197563	1.00E-147	276	280	98 +	1	280	99119	99398
UN59623	Rsa1.0.00679.1	542	68971	0	533	542	98 +	1	542	21081	21622
UN59624	Rsa1.0.01143.1	712	52456	0	696	714	97 -	1	707	20951	21658
UN59625	Rsa1.0.01104.1	215	285480	2.00E-14	127	145	87 -	1	141	135402	135537
UN59626	Rsa1.0.03487.1	727	22564	0	664	668	99 -	1	666	4242	4909
UN59627	Rsa1.0.06004.1	734	11961	1.00E-170	306	307	99 -	172	478	5996	6302
UN59628	Rsa1.0.01046.1	725	152989	1.00E-135	259	264	98 +	195	458	147674	147937
UN59629	Rsa1.0.00160.1	759	346678	1.00E-120	264	277	95 -	65	334	193005	193278

UN59630	Rsa1.0_02723.1	640	28408	0	525	540	97 -	102	640	7698	8237
UN59631	Rsa1.0_03521.1	710	396204	0	530	552	96 +	1	549	4888	5436
UN59632	Rsa1.0_00351.1	412	413096	1.00E-151	282	286	98 +	127	412	197574	197859
UN59633	Rsa1.0_00287.1	278	98687	5.00E-62	168	177	94 -	94	265	56896	57072
UN59634	Rsa1.0_03354.1	693	23491	0	581	608	95 +	4	608	17199	17806
UN59635	Rsa1.0_02347.1	641	32332	1.00E-118	243	248	97 -	396	641	28508	28754
UN59636	Rsa1.0_10267.1	652	5910	0	632	661	95 +	1	652	2869	3527
UN59637	Rsa1.0_01168.1	396	153765	0	389	397	97 -	1	396	26268	26663
UN59638	Rsa1.0_00593.1	627	143463	0	601	639	94 -	1	627	14726	15364
UN59639	Rsa1.0_00630.1	734	71281	0	518	552	93 +	7	534	3790	4341
UN59640	Rsa1.0_00108.1	724	478491	1.00E-108	212	215	98 +	511	724	440719	440933
UN59641	Rsa1.0_00108.1	724	478491	1.00E-174	330	337	97 -	75	411	72265	72601
UN59642	Rsa1.0_55799.1	606	409	0	393	409	96 -	3	405	1	408
UN59643	#	#	#	#	#	#	#	#	#	#	#
UN59644	Rsa1.0_01014.1	718	56762	0	491	526	93 -	1	516	30878	31392
UN59645	Rsa1.0_03937.1	693	19969	1.00E-163	301	304	99 -	1	304	8023	8326
UN59646	Rsa1.0_00523.1	765	178770	1.00E-125	236	239	98 -	252	490	37472	37710
UN59647	Rsa1.0_01898.1	306	37491	1.00E-16	51	53	96 -	141	193	3834	3886
UN59648	Rsa1.0_02957.1	706	26479	8.00E-29	100	110	90 -	72	180	14400	14509
UN59649	Rsa1.0_01010.1	693	56906	0	382	387	98 -	1	387	56262	56645
UN59650	Rsa1.0_24710.1	697	971	1.00E-154	306	316	96 -	156	471	517	832
UN59651	Rsa1.0_00026.1	642	327835	4.00E-61	120	120	100 -	2	121	55459	55578
UN59652	Rsa1.0_18598.1	246	1567	1.00E-49	118	124	95 +	8	131	1	124
UN59653	Rsa1.0_09171.1	565	6586	1.00E-159	340	361	94 -	144	491	5749	6109
UN59654	Rsa1.0_00152.1	609	257730	1.00E-104	211	217	97 -	3	219	251779	251995
UN59655	Rsa1.0_03661.1	285	21513	1.00E-104	233	246	94 +	40	285	8500	8742
UN59656	Rsa1.0_00078.1	778	175053	1.00E-177	370	388	95 -	393	778	67535	67910
UN59657	Rsa1.0_04045.1	688	19403	0	649	660	98 +	2	661	4334	4993
UN59658	Rsa1.0_10336.1	701	5882	0	394	397	99 +	293	687	4863	5259
UN59659	Rsa1.0_02800.1	703	27760	3.00E-65	160	169	94 -	7	171	9547	9715
UN59660	Rsa1.0_02236.1	822	33558	0	421	441	95 +	11	450	11475	11913
UN59661	Rsa1.0_02371.1	746	32069	0	403	413	97 +	3	415	24498	24909
UN59662	Rsa1.0_07290.1	619	9608	1.00E-135	263	268	98 -	2	267	8599	8866
UN59663	Rsa1.0_00122.1	756	265937	1.00E-128	275	284	96 -	437	717	107858	108140
UN59664	Rsa1.0_01835.1	721	38542	0	687	732	93 +	2	721	15833	16560
UN59665	Rsa1.0_00928.1	526	59293	2.00E-99	196	200	98 -	1	200	30313	30512
UN59666	Rsa1.0_01396.1	704	151624	1.00E-117	232	238	97 +	365	602	3757	3994
UN59667	Rsa1.0_03204.1	583	24622	1.00E-143	269	272	98 -	223	491	6290	6561
UN59668	Rsa1.0_00483.1	457	81102	1.00E-91	189	195	96 +	41	235	50572	50766

UN59669	Rsa1.0.00179.1	285	393324	3.00E-35	82	84	97 +	186	269	216408	216491
UN59670	Rsa1.0.00196.1	657	109960	6.00E-79	183	194	94 +	165	358	51018	51211
UN59671	Rsa1.0.01648.1	282	41635	1.00E-138	273	281	97 -	2	282	18279	18559
UN59672	Rsa1.0.00557.1	642	75865	1.00E-135	307	326	94 +	7	324	74483	74807
UN59673	Rsa1.0.01768.1	568	138463	0	457	461	99 -	2	462	126411	126871
UN59674	Rsa1.0.01408.1	281	46383	1.00E-126	266	276	96 -	3	277	30148	30421
UN59675	Rsa1.0.09638.1	702	6240	1.00E-106	223	232	96 -	50	281	456	687
UN59676	Rsa1.0.00577.1	644	174827	1.00E-134	317	342	92 +	11	337	134487	134828
UN59677	Rsa1.0.00307.1	787	199003	0	724	766	94 -	3	762	27622	28381
UN59678	Rsa1.0.01197.1	747	51071	6.00E-70	405	487	83 -	154	628	7648	8130
UN59679	Rsa1.0.00048.1	753	167185	1.00E-107	204	206	99 -	335	540	156001	156206
UN59680	Rsa1.0.18507.1	729	1586	0	703	734	95 -	2	729	235	966
UN59681	Rsa1.0.03561.1	705	22089	4.00E-86	255	280	91 +	434	703	21299	21576
UN59682	Rsa1.0.00857.1	664	61904	0	486	505	96 +	108	610	13090	13594
UN59683	Rsa1.0.02846.1	732	27338	0	400	421	95 -	313	732	11784	12202
UN59684	Rsa1.0.04025.1	798	19511	1.00E-135	251	253	99 +	400	652	1506	1758
UN59685	Rsa1.0.03108.1	614	25340	0	569	603	94 -	14	614	12572	13173
UN59686	Rsa1.0.03278.1	749	24125	1.00E-55	114	115	99 -	146	260	3055	3169
UN59687	Rsa1.0.02841.1	693	27383	0	436	446	97 +	1	446	24135	24580
UN59688	Rsa1.0.03873.1	678	20360	0	670	689	97 -	1	678	9673	10361
UN59689	Rsa1.0.31476.1	786	726	1.00E-130	254	260	97 -	13	272	467	726
UN59690	Rsa1.0.00552.1	256	206757	4.00E-65	135	138	97 -	119	256	75289	75426
UN59691	Rsa1.0.00373.1	283	90296	2.00E-79	231	256	90 -	31	283	81026	81275
UN59692	Rsa1.0.00384.1	286	89278	1.00E-102	261	288	90 +	3	286	47246	47518
UN59693	Rsa1.0.12638.1	727	5167	0	339	341	99 +	372	710	4621	4961
UN59694	Rsa1.0.02176.1	250	34291	1.00E-113	241	247	97 +	1	245	15919	16163
UN59695	Rsa1.0.00596.1	698	73578	9.00E-41	116	126	92 +	481	606	66462	66587
UN59696	Rsa1.0.00546.1	198	76523	4.00E-43	95	97	97 +	50	146	38216	38312
UN59697	Rsa1.0.02727.1	705	28404	0	472	500	94 -	69	561	2100	2593
UN59698	Rsa1.0.09450.1	564	6360	1.00E-160	313	322	97 +	109	430	765	1086
UN59699	Rsa1.0.00237.1	281	235974	1.00E-118	266	283	93 -	3	280	99122	99404
UN59700	Rsa1.0.00160.1	585	346678	0	557	578	96 +	9	585	143548	144125
UN59701	#	#	#	#	#	#	#	#	#	#	#
UN59702	Rsa1.0.01685.1	692	175033	1.00E-126	259	268	96 -	8	273	9566	9833
UN59703	Rsa1.0.19895.1	407	1369	1.00E-122	231	234	98 -	174	407	1109	1342
UN59704	Rsa1.0.02990.1	753	26180	1.00E-142	370	410	90 -	294	683	20367	20770
UN59705	Rsa1.0.03554.1	589	22137	1.00E-150	287	293	97 +	1	293	18777	19069
UN59706	Rsa1.0.02977.1	699	26313	1.00E-128	251	256	98 -	3	256	5518	5773
UN59707	Rsa1.0.07130.1	688	9861	1.00E-106	250	266	93 +	1	261	2672	2929

UN59747	Rsa1.0.43433.1	794	517	1.00E-172	384	410	93 +	1	410	100	509
UN59748	Rsa1.0.01862.1	715	38030	0	710	712	99 -	3	712	35829	36540
UN59749	Rsa1.0.00187.1	814	393093	1.00E-103	304	341	89 -	1	332	51304	51641
UN59750	Rsa1.0.11701.1	761	5437	0	494	497	99 -	2	498	1	497
UN59751	Rsa1.0.02215.1	797	33822	0	583	620	94 -	21	636	9505	10108
UN59752	Rsa1.0.09128.1	801	6624	3.00E-22	154	187	82 +	21	207	178	364
UN59753	Rsa1.0.06708.1	716	10502	0	622	658	94 +	2	659	6177	6834
UN59754	Rsa1.0.01004.1	735	56975	0	707	734	96 +	5	735	49741	50474
UN59755	Rsa1.0.22780.1	745	1095	0	472	477	98 +	269	745	175	651
UN59756	Rsa1.0.27096.1	695	866	1.00E-168	308	311	99 +	385	695	335	645
UN59757	#	#	#	#	#	#	#	#	#	#	#
UN59758	Rsa1.0.00271.1	766	101125	0	714	765	93 +	3	760	67550	68302
UN59759	Rsa1.0.02727.1	797	28404	0	776	791	98 -	2	784	4557	5347
UN59760	Rsa1.0.27793.1	633	839	1.00E-153	297	302	98 -	329	629	246	546
UN59761	Rsa1.0.00002.1	809	601661	0	405	420	96 +	273	691	68497	68916
UN59762	Rsa1.0.01320.1	410	48271	0	392	409	95 -	3	410	21439	21845
UN59763	Rsa1.0.00108.1	712	478491	1.00E-173	344	354	97 -	356	708	458996	459346
UN59764	Rsa1.0.00741.1	674	66117	0	660	671	98 +	2	672	43956	44626
UN59765	Rsa1.0.00094.1	417	139042	1.00E-161	394	422	93 -	3	417	60615	61035
UN59766	Rsa1.0.00365.1	767	90902	1.00E-163	323	331	97 -	410	738	4583	4913
UN59767	Rsa1.0.00033.1	730	515811	1.00E-168	302	303	99 -	20	322	131652	131954
UN59768	Rsa1.0.01704.1	541	40711	0	480	491	97 +	54	541	31412	31902
UN59769	Rsa1.0.00398.1	601	88007	0	412	433	95 +	6	430	66794	67223
UN59770	Rsa1.0.00518.1	254	78360	2.00E-33	76	77	98 -	2	78	16015	16091
UN59771	Rsa1.0.05367.1	537	14010	0	447	478	93 +	2	477	2691	3156
UN59772	Rsa1.0.00571.1	737	329018	0	640	668	95 +	1	664	1026	1693
UN59773	Rsa1.0.08039.1	482	8030	1.00E-169	355	373	95 -	1	373	1	373
UN59774	Rsa1.0.02082.1	379	35228	0	375	379	98 -	2	379	1485	1863
UN59775	Rsa1.0.01585.1	172	42806	1.00E-58	160	174	91 -	1	172	20125	20298
UN59776	Rsa1.0.00803.1	644	144228	0	642	644	99 -	2	644	6928	7571
UN59777	Rsa1.0.00652.1	734	70089	2.00E-88	208	222	93 -	35	256	61355	61576
UN59778	Rsa1.0.06590.1	745	10706	0	523	544	96 -	148	688	2959	3502
UN59779	Rsa1.0.02947.1	696	26531	5.00E-70	150	155	96 -	165	319	13913	14067
UN59780	Rsa1.0.04775.1	590	16025	0	562	592	94 -	1	590	4510	5100
UN59781	Rsa1.0.00416.1	453	86772	1.00E-116	283	306	92 +	33	335	64292	64597
UN59782	Rsa1.0.00116.1	763	365886	1.00E-134	243	243	100 -	404	646	239724	239966
UN59783	Rsa1.0.00016.1	733	831256	1.00E-134	269	278	96 +	327	604	785216	785493
UN59784	Rsa1.0.02363.1	631	32189	0	407	411	99 +	1	411	15661	16071
UN59785	Rsa1.0.00632.1	281	183777	1.00E-109	227	236	96 -	1	236	37301	37536

UN59786	Rsa1.0.02560.1	637	30091	1.00E-164	311	317	98 -	317	633	3643	3959
UN59787	Rsa1.0.03036.1	343	25826	5.00E-93	176	177	99 +	167	343	14373	14549
UN59788	Rsa1.0.02160.1	190	34468	1.00E-100	187	188	99 +	3	190	6292	6479
UN59789	Rsa1.0.00172.1	708	115476	1.00E-178	508	573	88 +	83	655	20915	21478
UN59790	Rsa1.0.09594.1	620	6263	4.00E-64	134	136	98 -	3	136	3976	4111
UN59791	Rsa1.0.00637.1	627	71038	1.00E-112	222	226	98 -	403	627	3287	3512
UN59792	Rsa1.0.02396.1	336	31783	1.00E-111	209	211	99 +	122	332	9408	9618
UN59793	Rsa1.0.04106.1	689	19018	0	394	401	98 +	3	403	9033	9433
UN59794	Rsa1.0.00996.1	680	57222	1.00E-173	335	344	97 -	9	352	53540	53883
UN59795	Rsa1.0.05687.1	794	12932	1.00E-102	213	221	96 +	192	412	2496	2716
UN59796	Rsa1.0.00041.1	672	186197	3.00E-99	190	192	98 +	276	467	147920	148111
UN59797	Rsa1.0.00165.1	657	116466	1.00E-149	300	310	96 -	345	651	94030	94339
UN59798	Rsa1.0.00683.1	507	68638	0	460	482	95 -	3	484	4602	5081
UN59799	Rsa1.0.00840.1	535	62514	1.00E-141	317	336	94 -	12	345	25725	26052
UN59800	Rsa1.0.00920.1	562	601703	1.00E-103	209	215	97 -	3	217	12726	12940
UN59801	Rsa1.0.00826.1	474	166736	0	382	391	97 -	26	415	131985	132375
UN59802	Rsa1.0.01914.1	537	37354	1.00E-101	196	199	98 -	19	217	10995	11193
UN59803	Rsa1.0.00221.1	646	106972	1.00E-153	391	432	90 -	3	413	50983	51403
UN59804	Rsa1.0.02643.1	686	29176	2.00E-72	161	167	96 -	521	686	6309	6475
UN59805	Rsa1.0.03682.1	656	21396	0	535	594	90 +	64	653	9871	10455
UN59806	Rsa1.0.00325.1	283	95371	1.00E-124	268	281	95 -	3	283	37741	38020
UN59807	Rsa1.0.00514.1	708	78421	1.00E-180	363	375	96 +	203	575	26259	26633
UN59808	Rsa1.0.00001.1	486	363028	0	481	503	95 +	2	486	53829	54330
UN59809	Rsa1.0.05811.1	523	12572	0	392	397	98 +	127	523	11594	11990
UN59810	Rsa1.0.00648.1	670	70351	1.00E-151	307	316	97 +	3	316	21681	21992
UN59811	Rsa1.0.00009.1	660	232558	6.00E-42	88	88	100 -	516	603	42292	42379
UN59812	Rsa1.0.01593.1	707	150996	1.00E-163	477	534	89 -	24	551	132545	133053
UN59813	Rsa1.0.00240.1	753	104175	0	502	548	91 +	5	544	44060	44592
UN59814	Rsa1.0.08162.1	188	7813	2.00E-81	178	185	96 +	4	187	6693	6877
UN59815	Rsa1.0.05026.1	565	15095	1.00E-126	337	371	90 +	3	364	8039	8399
UN59816	Rsa1.0.06968.1	673	10090	0	575	626	91 -	14	621	8752	9362
UN59817	Rsa1.0.01022.1	731	56606	1.00E-152	346	369	93 +	351	717	28582	28941
UN59818	#	#	#	#	#	#	#	#	#	#	#
UN59819	Rsa1.0.00579.1	590	148308	1.00E-79	194	208	93 +	3	204	69451	69655
UN59820	Rsa1.0.01506.1	281	44370	2.00E-52	111	113	98 -	3	115	18512	18624
UN59821	Rsa1.0.00134.1	643	390219	1.00E-137	302	316	95 +	331	641	13216	13528
UN59822	Rsa1.0.02139.1	113	34686	1.00E-57	113	113	100 -	1	113	11807	11919
UN59823	Rsa1.0.00108.1	616	478491	1.00E-152	374	407	91 -	189	592	134964	135351
UN59824	Rsa1.0.00082.1	571	237584	4.00E-64	131	133	98 -	439	571	47945	48077

UN59825	Rsa1.0.00715.1	226	67116	1.00E-98	214	222	96 -	7	226	28041	28262
UN59826	Rsa1.0.06459.1	689	10979	0	683	690	98 +	2	689	3777	4465
UN59827	Rsa1.0.02700.1	645	28584	3.00E-62	122	122	100 +	375	496	13178	13299
UN59828	Rsa1.0.00418.1	692	215377	2.00E-88	169	170	99 +	109	278	43786	43955
UN59829	Rsa1.0.01717.1	751	143162	1.00E-102	211	217	97 -	14	229	32116	32332
UN59830	Rsa1.0.00047.1	264	168582	1.00E-136	257	261	98 +	4	264	66684	66944
UN59831	Rsa1.0.00869.1	510	61627	0	422	432	97 +	10	441	60448	60876
UN59832	Rsa1.0.00123.1	160	325650	3.00E-49	112	115	97 +	47	160	246545	246659
UN59833	Rsa1.0.04783.1	772	15995	1.00E-141	297	311	95 -	2	312	11259	11569
UN59834	Rsa1.0.08001.1	282	8095	8.00E-73	240	276	86 +	2	274	7040	7291
UN59835	Rsa1.0.01803.1	514	173846	8.00E-53	112	114	98 +	87	200	32570	32683
UN59836	Rsa1.0.23487.1	704	1045	0	545	557	97 +	103	658	279	835
UN59837	Rsa1.0.02657.1	676	29000	0	659	674	97 +	6	676	19323	19996
UN59838	Rsa1.0.03070.1	640	25578	1.00E-179	494	552	89 +	99	638	13284	13829
UN59839	Rsa1.0.01078.1	761	316910	0	617	634	97 -	1	624	137271	137904
UN59840	Rsa1.0.03290.1	793	24011	1.00E-174	350	363	96 +	3	362	7193	7555
UN59841	Rsa1.0.00099.1	748	159619	0	535	545	98 +	2	546	39245	39789
UN59842	Rsa1.0.00265.1	719	220635	1.00E-143	306	317	96 +	399	710	197596	197912
UN59843	Rsa1.0.03407.1	560	23154	1.00E-152	351	373	94 +	5	377	6535	6899
UN59844	Rsa1.0.00065.1	624	454616	1.00E-167	310	314	98 +	119	432	210339	210652
UN59845	Rsa1.0.08984.1	283	6734	4.00E-53	121	126	96 +	158	283	2090	2215
UN59846	Rsa1.0.00025.1	562	277312	1.00E-116	236	241	97 +	5	244	57855	58094
UN59847	Rsa1.0.00698.1	327	67816	1.00E-167	319	326	97 +	2	327	43444	43769
UN59848	Rsa1.0.05700.1	191	12886	6.00E-79	155	157	98 -	29	185	7820	7976
UN59849	Rsa1.0.09720.1	584	6190	0	582	592	98 -	1	584	967	1558
UN59850	Rsa1.0.00033.1	677	515811	6.00E-48	180	204	88 -	456	656	33667	33858
UN59851	Rsa1.0.00363.1	639	90968	2.00E-87	182	188	96 +	371	558	31971	32158
UN59852	Rsa1.0.01333.1	430	47929	0	414	425	97 -	3	425	31325	31749
UN59853	Rsa1.0.02896.1	737	26970	0	701	740	94 -	3	733	23928	24666
UN59854	Rsa1.0.02386.1	704	31895	0	428	452	94 -	253	704	11414	11865
UN59855	Rsa1.0.00664.1	661	69573	1.00E-134	248	250	99 +	3	252	68789	69038
UN59856	Rsa1.0.01867.1	379	37960	6.00E-56	210	246	85 -	19	262	18618	18841
UN59857	Rsa1.0.05890.1	429	12317	1.00E-151	349	374	93 -	15	382	2122	2489
UN59858	Rsa1.0.03128.1	295	25180	1.00E-40	144	164	87 -	3	166	4517	4664
UN59859	Rsa1.0.01607.1	767	42328	7.00E-51	106	107	99 -	192	298	30702	30808
UN59860	Rsa1.0.00055.1	794	520193	0	510	535	95 -	211	743	276667	277200
UN59861	Rsa1.0.03055.1	258	25730	1.00E-124	253	261	96 +	2	258	736	994
UN59862	Rsa1.0.04446.1	626	17317	0	503	513	98 -	114	626	7758	8270
UN59863	Rsa1.0.00377.1	723	90038	0	561	597	93 +	141	723	33637	34230

UN59864	Rsa1.0.00190.1	767	318240	0	459	481	95 +	12	486	201676	202156
UN59865	Rsa1.0.00448.1	794	84048	1.00E-154	288	292	98 -	161	452	63770	64061
UN59866	Rsa1.0.01004.1	684	56975	0	625	686	91 -	6	684	21939	22594
UN59867	Rsa1.0.08845.1	676	6867	0	557	590	94 -	92	671	4102	4691
UN59868	Rsa1.0.01104.1	745	285480	0	737	744	99 -	3	745	145878	146621
UN59869	Rsa1.0.03323.1	144	23751	4.00E-39	122	134	91 -	5	138	15323	15450
UN59870	Rsa1.0.07528.1	551	9195	1.00E-54	109	109	100 +	121	229	220	328
UN59871	Rsa1.0.18032.1	299	1686	6.00E-83	183	192	95 +	106	297	1302	1493
UN59872	Rsa1.0.00962.1	223	184909	2.00E-70	202	223	90 -	1	223	52416	52632
UN59873	Rsa1.0.15266.1	762	2720	0	577	606	95 -	20	625	1475	2071
UN59874	Rsa1.0.30444.1	385	753	1.00E-178	370	384	96 +	1	381	42	420
UN59875	Rsa1.0.00148.1	791	120234	0	679	708	95 +	27	728	36558	37262
UN59876	Rsa1.0.04603.1	684	16682	0	338	338	100 +	2	339	6745	7082
UN59877	Rsa1.0.00243.1	500	103651	0	456	472	96 +	20	490	86585	87053
UN59878	Rsa1.0.00726.1	559	66734	1.00E-106	223	232	96 +	305	536	27110	27341
UN59879	#	#	#	#	#	#	#	#	#	#	#
UN59880	Rsa1.0.07000.1	353	10049	1.00E-104	267	291	91 +	60	350	5507	5785
UN59881	Rsa1.0.03543.1	715	22185	0	579	603	96 -	108	708	6005	6607
UN59882	Rsa1.0.00537.1	395	186980	0	384	395	97 +	1	395	15265	15656
UN59883	Rsa1.0.04288.1	626	18077	1.00E-100	266	287	92 +	346	626	13754	14038
UN59884	Rsa1.0.01951.1	833	36941	2.33E-156	269	271	99 -	237	507	11628	11898
UN59885	Rsa1.0.01740.1	774	39986	1.00E-159	287	288	99 -	65	352	27598	27885
UN59886	Rsa1.0.00069.1	318	403561	1.00E-130	262	271	96 +	1	271	161611	161881
UN59887	Rsa1.0.00890.1	263	323870	1.00E-108	255	265	96 -	1	263	160765	161022
UN59888	Rsa1.0.00253.1	702	231292	0	488	521	93 -	194	702	200099	200615
UN59889	Rsa1.0.00413.1	679	86921	0	534	537	99 -	143	679	6183	6719
UN59890	Rsa1.0.22759.1	698	1097	0	596	621	95 -	3	623	80	697
UN59891	Rsa1.0.02089.1	766	35163	1.00E-138	293	305	96 -	4	307	10642	10945
UN59892	Rsa1.0.02036.1	616	35731	0	563	571	98 +	46	616	24889	25457
UN59893	Rsa1.0.01008.1	624	56924	0	376	390	96 +	8	393	3656	4041
UN59894	Rsa1.0.04212.1	797	18439	1.00E-145	270	273	98 -	3	275	5390	5662
UN59895	Rsa1.0.07921.1	733	8259	0	463	478	96 +	253	724	2634	3111
UN59896	Rsa1.0.00793.1	675	64103	0	537	540	99 -	138	675	24468	25007
UN59897	Rsa1.0.00025.1	618	277312	0	406	415	97 -	1	412	99683	100096
UN59898	Rsa1.0.02504.1	685	30706	0	448	454	98 +	234	685	4800	5252
UN59899	Rsa1.0.05531.1	506	13405	0	467	502	93 +	1	496	1006	1498
UN59900	Rsa1.0.00625.1	618	71672	0	442	452	97 +	3	454	54788	55237
UN59901	Rsa1.0.02085.1	596	35198	1.00E-134	258	263	98 +	33	295	15839	16097
UN59902	Rsa1.0.01964.1	745	36702	0	617	660	93 -	88	742	11336	11973

UN59903	Rsa1.0.02397.1	685	31778	1.00E-110	206	207	99 +	399	605	20840	21046
UN59904	Rsa1.0.00083.1	202	442773	2.00E-63	129	131	98 +	1	131	132776	132906
UN59905	Rsa1.0.14833.1	349	3034	1.00E-121	325	357	91 -	2	346	432	788
UN59906	Rsa1.0.07260.1	744	9650	0	569	578	98 +	168	742	3869	4446
UN59907	Rsa1.0.01566.1	703	43134	0	569	599	94 -	54	643	34068	34665
UN59908	Rsa1.0.00279.1	736	100039	1.00E-107	349	399	87 -	78	476	44227	44601
UN59909	Rsa1.0.00321.1	750	95671	0	614	625	98 -	2	626	58384	59002
UN59910	Rsa1.0.00198.1	719	222963	1.00E-116	213	213	100 -	2	214	39759	39971
UN59911	Rsa1.0.00199.1	697	249604	0	478	495	96 +	194	684	184508	185000
UN59912	Rsa1.0.03246.1	364	24379	1.00E-159	349	366	95 -	1	364	14686	15047
UN59913	Rsa1.0.00341.1	657	249309	1.00E-151	330	351	94 -	132	482	208697	209038
UN59914	Rsa1.0.01442.1	342	45776	1.00E-140	255	256	99 +	1	256	23761	24016
UN59915	Rsa1.0.01159.1	210	52115	8.00E-91	205	213	96 -	1	210	35255	35467
UN59916	Rsa1.0.11694.1	496	131228	1.00E-152	284	288	98 -	116	403	129046	129333
UN59917	Rsa1.0.06138.1	655	11651	0	619	628	98 -	28	655	265	885
UN59918	Rsa1.0.02298.1	826	32872	1.00E-122	229	231	99 +	197	427	5799	6029
UN59919	Rsa1.0.01982.1	742	36530	0	480	494	97 +	6	499	24753	25246
UN59920	Rsa1.0.00360.1	442	91190	0	436	440	99 -	2	441	40853	41292
UN59921	Rsa1.0.00335.1	442	94371	1.00E-143	346	373	92 +	70	441	50290	50650
UN59922	Rsa1.0.03200.1	595	24634	1.00E-152	272	272	100 +	89	360	17813	18084
UN59923	Rsa1.0.09146.1	694	6610	1.00E-106	222	231	96 -	155	385	1	225
UN59924	Rsa1.0.00006.1	336	396176	2.00E-95	183	185	98 +	70	254	61690	61874
UN59925	Rsa1.0.10166.1	800	5966	0	382	392	97 -	289	680	5176	5567
UN59926	Rsa1.0.00021.1	722	263655	1.00E-148	284	289	98 +	1	287	14037	14325
UN59927	Rsa1.0.00019.1	795	301669	0	380	387	98 +	356	740	132036	132422
UN59928	Rsa1.0.13754.1	590	4380	1.00E-113	269	291	92 +	300	590	2956	3226
UN59929	Rsa1.0.01522.1	184	157436	3.00E-65	174	182	95 +	1	182	145332	145507
UN59930	Rsa1.0.02404.1	775	31702	0	677	737	91 -	20	743	13194	13928
UN59931	Rsa1.0.06258.1	247	11371	8.00E-82	231	245	94 +	1	245	4250	4484
UN59932	Rsa1.0.00296.1	643	97854	2.00E-97	196	201	97 -	187	387	77294	77494
UN59933	Rsa1.0.00168.1	501	115870	4.00E-73	160	166	96 -	52	214	54317	54482
UN59934	Rsa1.0.00244.1	714	103590	1.00E-118	250	256	97 -	463	714	34225	34480
UN59935	Rsa1.0.00757.1	131	65559	8.00E-28	93	99	93 +	33	131	62110	62205
UN59936	Rsa1.0.00140.1	796	121541	1.00E-126	308	324	95 +	478	793	22655	22976
UN59937	Rsa1.0.00254.1	712	102600	1.00E-111	268	289	92 +	1	289	87873	88147
UN59938	Rsa1.0.00204.1	706	109056	1.00E-154	304	311	97 -	153	460	34777	35086
UN59939	Rsa1.0.06136.1	785	11659	0	482	495	97 +	1	493	11171	11659
UN59940	Rsa1.0.00277.1	718	100132	1.00E-143	272	277	98 +	1	277	75546	75822
UN59941	Rsa1.0.18716.1	776	1547	0	421	427	98 -	331	755	57	482

UN59942	Rsa1.0.00476.1	607	280966	0	539	565	95 +	41	605	151096	151652
UN59943	Rsa1.0.00994.1	706	165189	1.00E-164	390	421	92 -	249	668	38216	38636
UN59944	Rsa1.0.02157.1	424	149652	1.00E-167	337	350	96 +	73	422	7480	7829
UN59945	Rsa1.0.00200.1	664	162016	0	646	648	99 -	18	664	12747	13394
UN59946	Rsa1.0.05160.1	810	14637	0	526	577	91 -	185	754	13496	14051
UN59947	Rsa1.0.38619.1	471	583	1.00E-113	226	232	97 +	4	235	348	579
UN59948	Rsa1.0.00482.1	752	81162	0	498	499	99 -	1	499	55139	55637
UN59949	Rsa1.0.00451.1	644	322533	1.00E-117	229	234	97 -	56	289	22115	22348
UN59950	Rsa1.0.01413.1	768	46275	0	532	540	98 +	2	541	20297	20836
UN59951	#	#	#	#	#	#	#	#	#	#	#
UN59952	Rsa1.0.00157.1	603	245832	1.00E-79	226	249	90 -	67	312	66738	66980
UN59953	Rsa1.0.00002.1	166	601661	3.00E-25	88	95	92 -	66	158	19295	19389
UN59954	Rsa1.0.03434.1	788	22960	0	426	432	98 +	3	433	1216	1646
UN59955	Rsa1.0.00672.1	708	69358	1.00E-138	296	311	95 -	219	526	40414	40724
UN59956	Rsa1.0.00904.1	789	180594	0	752	772	97 +	2	770	151312	152080
UN59957	Rsa1.0.02479.1	740	31038	0	360	368	97 +	121	488	9274	9641
UN59958	Rsa1.0.01507.1	761	44361	1.00E-150	293	300	97 -	21	318	28340	28639
UN59959	Rsa1.0.02382.1	697	31969	0	676	699	96 -	2	697	18823	19521
UN59960	Rsa1.0.04994.1	519	15199	1.00E-73	183	197	92 +	148	344	4534	4730
UN59961	Rsa1.0.02660.1	811	28969	2.33E-156	272	275	98 -	233	507	6361	6635
UN59962	Rsa1.0.00288.1	719	98659	0	662	707	93 -	11	717	84616	85289
UN59963	Rsa1.0.01540.1	763	151890	8.00E-94	205	215	95 +	361	575	127399	127613
UN59964	Rsa1.0.02351.1	566	32305	0	551	568	97 -	1	564	5450	6017
UN59965	Rsa1.0.00197.1	272	109714	1.00E-125	265	276	96 -	1	272	25112	25386
UN59966	Rsa1.0.01173.1	769	51727	1.00E-107	221	229	96 +	268	496	624	852
UN59967	Rsa1.0.03636.1	747	21638	5.00E-95	213	225	94 +	451	675	15899	16123
UN59968	Rsa1.0.02528.1	641	30452	1.00E-175	342	352	97 -	219	570	29188	29539
UN59969	Rsa1.0.00026.1	758	327835	1.00E-177	374	392	95 -	3	389	292894	293285
UN59970	Rsa1.0.02027.1	736	35869	1.00E-130	248	252	98 +	56	307	8335	8586
UN59971	Rsa1.0.08871.1	543	6839	1.00E-136	270	277	97 +	264	539	6351	6627
UN59972	Rsa1.0.00304.1	287	97429	6.00E-77	156	158	98 +	61	217	44427	44584
UN59973	Rsa1.0.03887.1	214	20247	5.00E-58	177	193	91 -	28	214	17980	18168
UN59974	Rsa1.0.00391.1	739	183853	1.00E-122	292	309	94 -	435	739	47448	47753
UN59975	Rsa1.0.06671.1	736	10563	0	376	378	99 +	360	736	8252	8629
UN59976	Rsa1.0.02242.1	707	33512	1.00E-150	382	419	91 -	1	411	19514	19932
UN59977	Rsa1.0.13977.1	282	3965	7.00E-89	184	190	96 +	3	192	3627	3816
UN59978	Rsa1.0.19647.1	740	1403	1.00E-180	410	438	93 -	2	433	710	1145
UN59979	Rsa1.0.00017.1	600	752458	9.00E-53	122	125	97 +	293	414	491897	492021
UN59980	Rsa1.0.52522.1	737	433	1.00E-101	217	226	96 -	426	648	169	394

UN59981	Rsa1.0.00167.1	730	116000	1.00E-80	168	173	97 +	62	234	12326	12498
UN59982	Rsa1.0.00804.1	217	63726	1.00E-110	209	210	99 -	2	210	8349	8558
UN59983	Rsa1.0.00078.1	769	175053	0	488	505	96 +	3	507	91077	91570
UN59984	Rsa1.0.15965.1	298	2338	3.00E-29	105	118	88 +	124	241	1580	1697
UN59985	Rsa1.0.01794.1	546	39215	0	362	371	97 +	3	373	36713	37080
UN59986	Rsa1.0.02621.1	293	156120	1.00E-133	281	292	96 -	3	293	20421	20711
UN59987	Rsa1.0.00065.1	656	454616	1.00E-105	210	214	98 -	409	621	233698	233911
UN59988	Rsa1.0.00040.1	635	324196	0	363	371	97 +	2	372	92552	92922
UN59989	Rsa1.0.03521.1	700	396204	1.00E-180	362	376	96 +	248	623	10525	10900
UN59990	Rsa1.0.00369.1	650	266462	2.00E-47	135	145	93 +	488	631	10326	10469
UN59991	Rsa1.0.01978.1	799	36546	0	742	772	96 -	2	768	9029	9800
UN59992	Rsa1.0.00294.1	646	144860	1.00E-172	369	388	95 -	259	646	58059	58441
UN59993	Rsa1.0.01561.1	523	43227	0	497	523	95 +	1	523	16839	17360
UN59994	Rsa1.0.07819.1	514	8476	0	489	514	95 +	1	514	7372	7885
UN59995	Rsa1.0.00173.1	756	288743	0	543	557	97 +	1	557	29268	29824
UN59996	Rsa1.0.03188.1	803	24722	0	775	801	96 -	3	803	6485	7285
UN59997	Rsa1.0.00090.1	815	273859	0	414	426	97 -	390	815	78902	79327
UN59998	Rsa1.0.01749.1	740	39822	1.00E-83	167	170	98 -	464	633	1134	1303
UN59999	Rsa1.0.07219.1	544	9702	9.00E-96	184	186	98 +	49	234	395	580
UN60000	Rsa1.0.01803.1	679	173846	0	640	681	93 +	1	679	148152	148832
UN60001	Rsa1.0.00276.1	427	100160	1.00E-152	299	308	97 -	119	426	95501	95808
UN60002	Rsa1.0.01551.1	562	43411	0	535	558	95 -	11	562	2905	3460
UN60003	Rsa1.0.00020.1	796	283099	0	738	798	92 -	1	791	63713	64494
UN60004	Rsa1.0.00025.1	696	277312	0	581	596	97 -	1	594	50309	50904
UN60005	Rsa1.0.00890.1	760	323870	0	735	767	95 -	2	760	216050	216806
UN60006	Rsa1.0.05495.1	593	13534	0	550	620	88 +	11	584	2628	3244
UN60007	Rsa1.0.00249.1	792	153740	0	519	524	99 -	1	524	27176	27698
UN60008	Rsa1.0.01155.1	763	52182	1.00E-109	306	337	90 -	3	337	15259	15589
UN60009	Rsa1.0.00009.1	704	232558	1.00E-125	231	232	99 +	41	272	1	232
UN60010	Rsa1.0.03448.1	723	22844	0	466	482	96 +	1	480	18620	19093
UN60011	Rsa1.0.02350.1	755	32309	0	432	432	100 -	298	729	1650	2081
UN60012	Rsa1.0.01323.1	729	48152	0	387	390	99 +	2	391	43499	43888
UN60013	Rsa1.0.00248.1	572	163568	0	543	578	93 +	1	572	40148	40719
UN60014	Rsa1.0.00396.1	826	88242	1.00E-176	377	396	95 -	105	499	19721	20114
UN60015	Rsa1.0.02178.1	578	156197	0	567	578	98 -	1	578	18631	19205
UN60016	Rsa1.0.02703.1	223	28544	4.00E-74	206	225	91 -	1	223	10091	10315
UN60017	Rsa1.0.02058.1	398	35532	1.00E-50	138	150	92 +	30	179	14607	14756
UN60018	Rsa1.0.00207.1	661	248736	1.00E-144	467	533	87 +	35	539	23944	24474
UN60019	Rsa1.0.00395.1	301	214466	6.00E-77	273	313	87 +	1	295	4396	4708

UN60020	Rsa1.0.02605.1	760	29637	0	412	415	99 -	1	414	28967	29381
UN60021	Rsa1.0.00816.1	815	403350	0	721	759	94 -	3	761	359933	360680
UN60022	Rsa1.0.01453.1	747	45449	1.00E-86	287	325	88 +	7	322	13264	13582
UN60023	Rsa1.0.00690.1	720	140527	1.00E-163	334	347	96 +	1	346	25366	25712
UN60024	Rsa1.0.02975.1	712	26322	0	467	489	95 +	1	480	6786	7271
UN60025	Rsa1.0.04379.1	531	17646	1.00E-132	386	427	90 -	1	423	16257	16676
UN60026	Rsa1.0.00838.1	496	153820	0	481	511	94 -	1	496	7920	8430
UN60027	Rsa1.0.01048.1	702	55684	1.00E-174	372	388	95 -	1	377	44113	44500
UN60028	Rsa1.0.00122.1	640	265937	1.00E-174	440	474	92 +	31	495	247401	247866
UN60029	Rsa1.0.00898.1	782	202772	5.00E-92	273	304	89 -	16	318	8777	9064
UN60030	Rsa1.0.06594.1	593	10700	0	560	590	94 +	1	585	3833	4420
UN60031	Rsa1.0.08042.1	754	8020	0	415	428	96 -	327	754	2161	2587
UN60032	Rsa1.0.00029.1	732	272992	1.00E-163	333	342	97 +	21	359	10229	10568
UN60033	Rsa1.0.00722.1	619	66840	1.00E-150	297	306	97 -	314	619	41428	41733
UN60034	Rsa1.0.00009.1	674	232558	2.00E-60	155	167	92 +	324	490	72177	72343
UN60035	Rsa1.0.05823.1	523	12521	1.00E-103	268	292	91 +	236	523	7460	7751
UN60036	Rsa1.0.00970.1	771	57994	0	476	513	92 +	4	488	30956	31466
UN60037	Rsa1.0.09588.1	717	6267	1.00E-92	185	189	97 -	493	681	5926	6114
UN60038	Rsa1.0.05051.1	653	15018	1.00E-171	358	374	95 +	4	369	13943	14315
UN60039	Rsa1.0.01968.1	701	36654	0	691	701	98 -	1	701	10772	11470
UN60040	Rsa1.0.06169.1	105	11578	1.00E-19	91	105	86 -	1	105	8009	8113
UN60041	Rsa1.0.06166.1	537	11583	1.00E-173	352	363	96 +	5	360	6733	7094
UN60042	Rsa1.0.53920.1	424	423	4.00E-97	241	260	92 +	171	424	118	377
UN60043	Rsa1.0.04449.1	676	17304	1.00E-153	323	337	95 +	1	337	16899	17226
UN60044	Rsa1.0.09255.1	696	6525	0	573	604	94 -	97	696	1324	1922
UN60045	Rsa1.0.02928.1	221	26680	1.00E-107	212	217	97 +	5	221	25807	26023
UN60046	Rsa1.0.00453.1	681	83031	0	592	607	97 -	77	681	15570	16176
UN60047	Rsa1.0.00171.1	438	115622	1.00E-111	243	256	94 +	1	256	90883	91138
UN60048	Rsa1.0.00412.1	854	86935	0	797	854	93 -	12	844	19026	19874
UN60049	Rsa1.0.00279.1	290	100039	1.00E-53	107	107	100 +	150	256	41806	41912
UN60050	Rsa1.0.02170.1	803	34352	1.00E-163	350	368	95 +	200	567	30474	30835
UN60051	Rsa1.0.00078.1	298	175053	1.00E-117	254	266	95 -	1	266	4712	4976
UN60052	Rsa1.0.05047.1	227	15032	1.00E-40	123	132	93 +	67	196	10375	10504
UN60053	Rsa1.0.09003.1	648	6717	1.00E-105	243	259	93 +	1	252	1118	1374
UN60054	Rsa1.0.00082.1	339	237584	1.00E-177	333	339	98 -	1	339	228722	229060
UN60055	Rsa1.0.01339.1	745	47813	0	715	736	97 +	4	739	44326	45061
UN60056	Rsa1.0.00407.1	677	191544	0	638	684	93 +	1	670	155497	156168
UN60057	Rsa1.0.00921.1	125	59599	7.00E-25	67	70	95 -	54	123	2646	2715
UN60058	Rsa1.0.00438.1	438	84861	2.00E-40	91	93	97 -	1	93	32736	32828

UN60059	Rsa1.0_00409.1	761	146788	1.00E-132	430	494	87 +	110	592	143334	143801
UN60060	Rsa1.0_06004.1	811	11961	0	330	331	99 +	2	332	4818	5148
UN60061	Rsa1.0_01046.1	798	152989	0	479	511	93 -	1	498	150335	150845
UN60062	Rsa1.0_03521.1	766	396204	0	538	542	99 -	1	542	7355	7895
UN60063	Rsa1.0_14305.1	731	3554	0	681	735	92 -	1	731	2041	2774
UN60064	Rsa1.0_00351.1	611	413096	1.00E-121	241	248	97 -	162	409	198749	198996
UN60065	Rsa1.0_27862.1	623	837	0	515	520	99 -	1	520	1	519
UN60066	Rsa1.0_06939.1	341	10137	8.00E-55	158	175	90 -	1	164	4572	4745
UN60067	Rsa1.0_00630.1	158	71281	7.00E-35	99	107	92 -	19	125	5802	5908
UN60068	Rsa1.0_05241.1	438	14405	1.00E-167	331	342	96 +	3	344	3080	3421
UN60069	Rsa1.0_10001.1	574	6042	1.00E-112	227	234	97 +	334	567	71	304
UN60070	Rsa1.0_00108.1	256	478491	1.00E-115	245	256	95 -	1	256	441635	441887
UN60071	Rsa1.0_03465.1	140	22700	1.00E-26	70	73	95 -	3	75	11014	11086
UN60072	Rsa1.0_00305.1	216	97308	1.00E-55	123	126	97 -	85	209	91499	91624
UN60073	Rsa1.0_01660.1	795	41400	0	415	436	95 -	2	432	27246	27681
UN60074	Rsa1.0_01898.1	302	37491	1.00E-116	281	302	93 +	4	302	1562	1862
UN60075	Rsa1.0_02754.1	134	28213	4.00E-45	120	128	93 +	4	130	8656	8783
UN60076	Rsa1.0_00026.1	251	327835	1.00E-101	221	231	95 +	1	230	52965	53195
UN60077	Rsa1.0_00694.1	602	68074	0	581	598	97 +	3	599	60935	61527
UN60078	Rsa1.0_06383.1	140	11119	1.00E-48	128	138	92 -	3	140	378	515
UN60079	Rsa1.0_00053.1	221	263459	3.00E-53	201	227	88 +	1	221	242987	243211
UN60080	Rsa1.0_01614.1	151	42238	6.00E-23	70	75	93 -	77	151	10949	11023
UN60081	Rsa1.0_00155.1	712	118465	0	692	713	97 -	3	712	89794	90506
UN60082	Rsa1.0_02241.1	617	33520	1.00E-156	326	341	95 +	2	342	10276	10613
UN60083	Rsa1.0_00654.1	715	70012	0	705	726	97 +	2	715	17619	18340
UN60084	Rsa1.0_04045.1	771	19403	0	658	660	99 -	2	661	5362	6021
UN60085	Rsa1.0_00265.1	265	220635	1.00E-114	250	261	95 -	1	260	139882	140137
UN60086	Rsa1.0_27679.1	390	843	1.00E-169	341	353	96 +	1	352	175	527
UN60087	Rsa1.0_02236.1	854	33558	1.00E-121	296	315	93 -	547	854	11599	11913
UN60088	Rsa1.0_02127.1	764	34764	1.00E-155	321	334	96 +	36	368	4938	5271
UN60089	Rsa1.0_01835.1	672	38542	0	650	702	92 -	1	672	16903	17593
UN60090	Rsa1.0_01396.1	720	151624	1.00E-150	279	282	98 -	381	662	4313	4594
UN60091	Rsa1.0_00082.1	151	237584	2.00E-66	149	154	96 -	1	151	229148	229300
UN60092	Rsa1.0_05955.1	189	12115	1.00E-67	174	187	93 +	3	189	647	828
UN60093	Rsa1.0_00002.1	163	601661	1.00E-82	161	163	98 -	1	163	232242	232404
UN60094	Rsa1.0_00577.1	189	174827	2.00E-88	183	189	96 -	1	189	135417	135605
UN60095	Rsa1.0_00886.1	157	167350	3.00E-43	140	153	91 -	5	154	12450	12602
UN60096	Rsa1.0_00307.1	196	199003	1.00E-104	195	196	99 +	1	196	27125	27320
UN60097	Rsa1.0_03698.1	149	21302	3.00E-58	143	150	95 +	1	149	7594	7742

UN60098	Rsa1.0_00048.1	194	167185	1.00E-67	189	212	89 +	2	194	154781	154991
UN60099	Rsa1.0_05582.1	174	13271	1.00E-30	96	104	92 -	5	108	414	516
UN60100	Rsa1.0_00108.1	184	478491	3.00E-50	132	140	94 +	3	142	134150	134286
UN60101	Rsa1.0_31902.1	785	715	1.00E-126	239	241	99 +	86	326	1	240
UN60102	Rsa1.0_18963.1	800	1503	0	347	351	98 -	1	350	1	351
UN60103	Rsa1.0_00396.1	365	88242	7.00E-77	203	222	91 -	18	239	1132	1353
UN60104	Rsa1.0_03278.1	819	24125	1.00E-154	283	285	99 +	1	285	1987	2271
UN60105	Rsa1.0_01186.1	254	51418	1.00E-86	234	256	91 -	1	254	3133	3381
UN60106	Rsa1.0_01938.1	678	264018	0	357	360	99 -	1	359	132973	133332
UN60107	Rsa1.0_00373.1	786	90296	0	726	764	95 +	2	756	79754	80516
UN60108	Rsa1.0_00608.1	785	172672	0	448	450	99 +	61	510	163174	163623
UN60109	Rsa1.0_00546.1	787	76523	0	361	370	97 -	212	581	39646	40015
UN60110	Rsa1.0_00411.1	164	86944	8.00E-38	92	96	95 -	11	106	6439	6534
UN60111	Rsa1.0_00657.1	237	69858	1.00E-105	229	238	96 -	1	237	43609	43845
UN60112	Rsa1.0_00237.1	737	235974	1.00E-147	306	320	95 +	351	670	98136	98455
UN60113	Rsa1.0_01516.1	779	44196	1.00E-141	314	334	94 +	171	504	37039	37372
UN60114	Rsa1.0_04318.1	117	17947	1.00E-29	111	128	86 +	1	117	4048	4175
UN60115	Rsa1.0_01701.1	319	162121	1.00E-107	247	265	93 +	1	257	20666	20930
UN60116	#	#	#	#	#	#	#	#	#	#	#
UN60117	Rsa1.0_10656.1	709	5768	2.33E-156	405	450	90 -	245	691	3424	3873
UN60118	Rsa1.0_00146.1	678	149343	0	426	444	95 -	105	548	51775	52218
UN60119	Rsa1.0_01147.1	776	52391	4.00E-74	145	146	99 +	487	632	46884	47029
UN60120	Rsa1.0_14009.1	672	3924	1.00E-160	363	386	94 +	7	386	2507	2886
UN60121	Rsa1.0_00017.1	597	752458	1.00E-137	333	360	92 +	30	383	661863	662218
UN60122	Rsa1.0_00254.1	769	102600	0	720	765	94 -	3	766	69759	70518
UN60123	Rsa1.0_01586.1	831	42804	3.00E-75	181	192	94 -	3	193	1229	1420
UN60124	Rsa1.0_00112.1	754	132199	0	735	763	96 -	1	754	535	1294
UN60125	Rsa1.0_07130.1	749	9861	0	423	437	96 -	2	436	5298	5733
UN60126	Rsa1.0_00103.1	116	135304	2.00E-46	106	110	96 +	4	113	22157	22266
UN60127	Rsa1.0_01595.1	155	175383	4.00E-64	140	144	97 +	1	144	1957	2099
UN60128	Rsa1.0_04989.1	754	15217	2.00E-75	292	342	85 +	303	627	1387	1718
UN60129	Rsa1.0_02685.1	762	28669	1.00E-109	207	209	99 +	3	211	1288	1496
UN60130	Rsa1.0_00185.1	762	248445	0	694	767	90 +	1	762	241333	242070
UN60131	Rsa1.0_03408.1	651	23154	0	615	650	94 -	4	651	8644	9281
UN60132	Rsa1.0_10263.1	774	5914	0	708	756	93 -	25	774	4693	5447
UN60133	Rsa1.0_01549.1	477	43543	1.00E-167	426	467	91 +	6	467	42744	43210
UN60134	Rsa1.0_00228.1	551	105511	1.00E-136	252	254	99 -	1	254	38272	38525
UN60135	Rsa1.0_00427.1	472	189678	1.00E-119	286	307	93 +	4	300	11853	12159
UN60136	Rsa1.0_00154.1	557	189461	1.00E-116	212	212	100 +	1	212	51751	51962

UN60137	Rsa1.0_00737.1	773	66432	0	376	389	96 -	2	384	11456	11844
UN60138	Rsa1.0_00975.1	809	57865	0	800	810	98 -	1	809	33909	34718
UN60139	Rsa1.0_03169.1	680	24826	1.00E-113	223	228	97 +	389	616	16469	16696
UN60140	Rsa1.0_00959.1	574	58202	1.00E-113	252	264	95 +	2	264	3695	3957
UN60141	Rsa1.0_00605.1	676	73199	0	509	532	95 -	1	532	30975	31506
UN60142	Rsa1.0_02219.1	358	33798	1.00E-106	248	262	94 +	1	255	14559	14818
UN60143	Rsa1.0_00037.1	724	307838	7.00E-88	168	169	99 -	124	292	171711	171879
UN60144	Rsa1.0_01601.1	825	42519	0	496	512	96 +	14	521	11077	11588
UN60145	Rsa1.0_00675.1	775	145590	6.00E-76	173	181	95 -	3	182	55789	55969
UN60146	Rsa1.0_03354.1	412	23491	0	410	412	99 -	1	412	6189	6600
UN60147	Rsa1.0_00067.1	723	415055	0	687	729	94 -	3	723	76645	77353
UN60148	Rsa1.0_00819.1	785	62918	0	759	789	96 -	3	785	4302	5089
UN60149	Rsa1.0_19187.1	153	1467	1.00E-51	146	158	92 +	1	153	1098	1252
UN60150	Rsa1.0_00596.1	769	73578	1.00E-126	238	241	98 -	225	465	7964	8204
UN60151	Rsa1.0_00388.1	832	88890	1.00E-133	253	257	98 -	79	335	1044	1300
UN60152	Rsa1.0_00283.1	834	183797	0	397	407	97 -	1	407	94928	95334
UN60153	Rsa1.0_01680.1	783	41122	0	760	783	97 +	2	783	31091	31872
UN60154	Rsa1.0_00421.1	716	86365	1.00E-108	285	308	92 +	3	307	70152	70449
UN60155	Rsa1.0_00548.1	875	76518	1.00E-104	232	243	95 +	20	258	60519	60761
UN60156	Rsa1.0_04436.1	376	17364	1.00E-177	357	371	96 -	6	376	15918	16288
UN60157	Rsa1.0_00620.1	796	71985	0	393	407	96 +	392	796	54806	55212
UN60158	Rsa1.0_00439.1	597	142776	0	587	615	95 -	1	595	123486	124100
UN60159	Rsa1.0_02901.1	518	26909	1.00E-73	248	281	88 -	7	282	21290	21563
UN60160	Rsa1.0_34927.1	631	648	0	504	542	92 -	1	538	1	539
UN60161	Rsa1.0_01862.1	791	38030	0	491	492	99 +	251	742	35190	35681
UN60162	Rsa1.0_01248.1	771	154103	1.00E-89	220	236	93 -	4	238	43313	43548
UN60163	Rsa1.0_02370.1	105	32071	7.00E-37	99	105	94 +	1	105	7049	7151
UN60164	Rsa1.0_00228.1	270	105511	1.00E-111	257	271	94 +	1	270	86173	86440
UN60165	Rsa1.0_00019.1	589	301669	1.00E-136	273	280	97 +	1	280	177015	177290
UN60166	Rsa1.0_01394.1	697	46641	1.00E-135	354	388	91 +	1	368	4756	5141
UN60167	Rsa1.0_01412.1	331	46311	9.00E-30	228	281	81 +	1	249	10335	10614
UN60168	Rsa1.0_00123.1	225	325650	1.00E-104	219	228	96 -	2	225	227132	227359
UN60169	Rsa1.0_27793.1	538	839	1.00E-136	290	302	96 +	17	317	246	546
UN60170	Rsa1.0_00741.1	520	66117	1.00E-167	358	382	93 -	3	368	45663	46044
UN60171	Rsa1.0_00328.1	130	224661	1.00E-32	101	111	90 +	1	111	140860	140970
UN60172	Rsa1.0_00365.1	790	90902	0	434	443	97 +	348	790	3993	4435
UN60173	Rsa1.0_00402.1	303	385315	4.00E-72	153	158	96 +	1	158	271036	271193
UN60174	Rsa1.0_00398.1	798	88007	0	753	801	94 -	1	798	67749	68525
UN60175	Rsa1.0_00571.1	667	329018	0	445	452	98 -	214	664	1404	1855

UN60176	Rsa1.0.01865.1	445	37992	1.00E-69	134	134	100 -	59	192	33190	33323
UN60177	Rsa1.0.01390.1	100	46695	1.00E-13	45	47	95 -	5	51	24733	24779
UN60178	Rsa1.0.00017.1	298	752458	4.00E-90	277	305	90 +	5	298	661823	662123
UN60179	Rsa1.0.05953.1	176	12120	3.00E-37	152	174	87 -	3	176	754	919
UN60180	Rsa1.0.00468.1	470	82095	0	377	382	98 +	6	387	11720	12101
UN60181	Rsa1.0.01295.1	259	49040	7.00E-98	220	233	94 +	6	238	40384	40616
UN60182	Rsa1.0.00218.1	801	201480	1.00E-177	423	458	92 -	5	452	111393	111839
UN60183	Rsa1.0.00002.1	641	601661	0	572	640	89 -	1	638	576254	576893
UN60184	Rsa1.0.04106.1	561	19018	0	483	514	93 -	1	496	11046	11559
UN60185	Rsa1.0.69949.1	110	328	1.00E-16	87	100	87 -	3	102	62	160
UN60186	Rsa1.0.08779.1	611	6929	0	494	511	96 -	1	511	2825	3333
UN60187	Rsa1.0.00996.1	109	57222	3.00E-33	99	108	91 +	1	108	52876	52983
UN60188	Rsa1.0.00041.1	133	186197	4.00E-42	120	129	93 -	1	126	148315	148442
UN60189	Rsa1.0.02884.1	710	27034	0	552	583	94 -	1	583	12569	13145
UN60190	Rsa1.0.00205.1	140	193401	6.00E-32	70	70	100 +	9	78	99369	99438
UN60191	Rsa1.0.00920.1	697	601703	1.00E-165	339	354	95 +	1	349	9524	9872
UN60192	Rsa1.0.00826.1	754	166736	7.00E-88	180	185	97 +	259	443	130768	130952
UN60193	Rsa1.0.02226.1	665	33726	1.00E-49	113	117	96 +	433	549	11062	11178
UN60194	Rsa1.0.01778.1	107	39509	5.00E-44	96	98	97 +	7	104	21970	22067
UN60195	Rsa1.0.05026.1	649	15095	1.00E-101	217	227	95 -	252	478	9795	10021
UN60196	Rsa1.0.02266.1	664	33195	1.00E-177	379	397	95 -	8	401	13845	14240
UN60197	Rsa1.0.00131.1	769	432233	0	654	685	95 +	2	680	153848	154531
UN60198	Rsa1.0.01989.1	752	36439	1.00E-124	257	265	96 -	220	482	10685	10948
UN60199	Rsa1.0.00021.1	771	263655	1.00E-119	233	238	97 +	508	745	18708	18945
UN60200	Rsa1.0.06459.1	533	10979	0	516	533	96 -	1	533	5269	5788
UN60201	Rsa1.0.01000.1	459	57140	7.00E-93	194	201	96 +	1	201	37971	38171
UN60202	Rsa1.0.01717.1	497	143162	0	481	503	95 +	1	497	28776	29278
UN60203	Rsa1.0.00047.1	607	168582	0	538	544	98 +	1	544	167012	167555
UN60204	Rsa1.0.00657.1	475	69858	1.00E-51	113	116	97 +	360	475	35587	35702
UN60205	Rsa1.0.00017.1	238	752458	5.00E-80	176	183	96 -	1	182	450189	450371
UN60206	Rsa1.0.08001.1	762	8095	0	527	535	98 -	228	762	7561	8095
UN60207	Rsa1.0.00329.1	185	222544	3.00E-74	174	185	94 -	1	185	20661	20845
UN60208	Rsa1.0.02657.1	482	29000	0	479	482	99 -	1	482	20685	21166
UN60209	Rsa1.0.03320.1	348	23765	1.00E-124	267	280	95 +	1	279	17178	17451
UN60210	Rsa1.0.00187.1	495	393093	0	419	445	94 +	5	447	155747	156191
UN60211	Rsa1.0.00727.1	758	66724	0	673	694	96 -	1	692	34131	34818
UN60212	Rsa1.0.00301.1	685	365315	4.00E-80	185	192	96 -	6	196	361634	361823
UN60213	Rsa1.0.00108.1	786	478491	0	492	511	96 -	1	506	66756	67265
UN60214	Rsa1.0.05700.1	470	12886	1.00E-161	365	389	93 +	27	410	3841	4229

UN60215	Rsa1.0.01333.1	260	47929	7.00E-64	133	136	97 +	125	260	30715	30850
UN60216	Rsa1.0.67040.1	641	342	0	338	342	98 +	268	609	1	342
UN60217	Rsa1.0.03128.1	779	25180	0	401	408	98 +	294	701	3598	4005
UN60218	Rsa1.0.00448.1	641	84048	1.00E-163	325	335	97 +	1	335	62133	62466
UN60219	Rsa1.0.00352.1	280	92266	1.00E-112	257	273	94 +	8	280	61975	62246
UN60220	Rsa1.0.06288.1	127	11302	1.00E-26	120	141	85 +	1	127	3184	3324
UN60221	Rsa1.0.02668.1	862	28895	1.00E-171	311	313	99 -	1	313	27353	27665
UN60222	Rsa1.0.00454.1	168	216970	1.00E-24	106	120	88 -	13	128	143125	143244
UN60223	Rsa1.0.05823.1	133	12521	2.00E-50	124	133	93 -	1	133	10902	11025
UN60224	Rsa1.0.00782.1	425	64468	1.00E-118	390	449	86 +	1	424	15631	16062
UN60225	Rsa1.0.00017.1	901	752458	0	675	722	93 +	1	711	68616	69315
UN60226	Rsa1.0.06201.1	833	11506	1.00E-138	288	303	95 +	23	314	1	303
UN60227	Rsa1.0.04236.1	606	18370	1.00E-127	282	297	94 -	3	298	16968	17256
UN60228	Rsa1.0.00230.1	207	105389	1.00E-83	197	208	94 +	1	207	2608	2813
UN60229	Rsa1.0.07923.1	507	8249	1.00E-141	279	286	97 +	16	300	2924	3209
UN60230	Rsa1.0.00576.1	504	178949	1.00E-173	411	444	92 -	1	444	6064	6506
UN60231	Rsa1.0.11046.1	248	5635	4.00E-59	167	180	92 -	1	177	589	768
UN60232	Rsa1.0.05336.1	132	14117	5.00E-32	116	128	90 +	6	132	11422	11545
UN60233	Rsa1.0.00030.1	882	250988	0	552	556	99 +	66	621	125043	125598
UN60234	Rsa1.0.00723.1	177	66806	8.00E-75	166	174	95 +	4	177	58081	58254
UN60235	Rsa1.0.00434.1	856	85171	0	546	591	92 +	50	632	66221	66802
UN60236	Rsa1.0.00087.1	821	761073	1.00E-177	315	315	100 +	1	315	533452	533766
UN60237	Rsa1.0.00820.1	689	62911	1.00E-111	251	264	95 +	146	408	61866	62123
UN60238	Rsa1.0.00955.1	800	58358	8.00E-57	116	117	99 -	572	688	33191	33307
UN60239	Rsa1.0.00900.1	595	60367	1.00E-138	279	289	96 -	5	293	29910	30198
UN60240	Rsa1.0.00404.1	781	87635	0	765	781	97 -	1	781	67669	68449
UN60241	Rsa1.0.14690.1	452	3155	1.00E-143	278	284	97 -	105	388	137	417
UN60242	Rsa1.0.00173.1	784	288743	1.00E-104	294	330	89 +	2	328	87150	87461
UN60243	Rsa1.0.01536.1	401	43747	1.00E-179	380	401	94 +	1	401	18806	19206
UN60244	Rsa1.0.05846.1	333	12434	2.00E-58	124	127	97 -	1	127	7914	8040
UN60245	Rsa1.0.00017.1	344	752458	1.00E-126	317	346	91 -	3	344	533933	534278
UN60246	Rsa1.0.00537.1	858	186980	1.00E-132	267	276	96 -	352	627	17079	17354
UN60247	Rsa1.0.00925.1	791	59481	0	474	495	95 -	3	487	57760	58249
UN60248	Rsa1.0.00723.1	326	66806	1.00E-136	306	326	93 +	1	326	58078	58403
UN60249	Rsa1.0.00087.1	828	761073	0	792	826	95 -	7	828	87285	88107
UN60250	Rsa1.0.01928.1	115	37192	1.00E-38	90	93	96 -	23	115	3020	3112
UN60251	Rsa1.0.12966.1	794	5062	0	746	768	97 +	28	789	810	1573
UN60252	Rsa1.0.02036.1	681	35731	0	637	659	96 -	25	681	24761	25416
UN60253	Rsa1.0.00491.1	759	80219	0	716	759	94 -	1	759	79043	79798

UN60254	Rsa1.0_00253.1	894	231292	0	532	574	92 +	3	566	198952	199505
UN60255	Rsa1.0_24453.1	115	987	1.00E-23	95	108	87 +	1	108	30	137
UN60256	Rsa1.0_00413.1	765	86921	0	759	764	99 +	3	765	5446	6209
UN60257	Rsa1.0_00399.1	227	242951	1.00E-68	189	207	91 +	23	227	213600	213806
UN60258	Rsa1.0_09577.1	360	6275	1.00E-165	344	359	95 +	1	357	163	513
UN60259	Rsa1.0_26014.1	134	910	4.00E-48	115	121	95 +	1	121	636	756
UN60260	Rsa1.0_03355.1	165	23489	2.00E-38	141	161	87 -	4	164	3195	3355
UN60261	Rsa1.0_02397.1	478	31778	1.00E-76	155	158	98 -	1	158	22344	22501
UN60262	Rsa1.0_00648.1	605	70351	1.00E-151	317	333	95 +	1	326	1649	1981
UN60263	Rsa1.0_00083.1	186	442773	2.00E-85	179	184	97 -	1	184	134875	135057
UN60264	Rsa1.0_02041.1	714	163634	1.00E-165	307	310	99 +	189	497	12492	12801
UN60265	Rsa1.0_40140.1	784	559	1.00E-109	210	213	98 +	3	215	144	356
UN60266	Rsa1.0_00279.1	391	100039	1.00E-139	302	317	95 +	42	351	41034	41349
UN60267	Rsa1.0_00013.1	774	292129	0	588	640	91 -	1	630	168710	169340
UN60268	Rsa1.0_04026.1	814	19508	1.00E-107	296	321	92 -	1	311	11005	11323
UN60269	Rsa1.0_00321.1	412	95671	1.00E-119	301	327	92 +	86	412	57552	57874
UN60270	Rsa1.0_19230.1	482	1460	1.00E-135	289	304	95 +	3	306	968	1271
UN60271	Rsa1.0_04193.1	631	18571	1.00E-147	306	320	95 +	312	631	9100	9419
UN60272	Rsa1.0_01159.1	548	52115	0	508	546	93 +	4	548	34711	35256
UN60273	Rsa1.0_11694.1	786	131228	0	748	792	94 +	1	786	127806	128597
UN60274	Rsa1.0_00798.1	778	63945	0	422	429	98 +	1	429	62666	63093
UN60275	Rsa1.0_02560.1	813	30091	0	368	369	99 +	2	370	6986	7354
UN60276	Rsa1.0_00690.1	733	140527	1.00E-148	282	286	98 -	1	286	61132	61416
UN60277	Rsa1.0_00010.1	737	294827	2.00E-91	279	311	89 +	8	308	135530	135837
UN60278	Rsa1.0_02295.1	772	149884	0	432	442	97 +	1	438	32240	32681
UN60279	Rsa1.0_23460.1	675	1047	0	375	383	97 -	59	441	1	383
UN60280	Rsa1.0_00320.1	445	95784	1.00E-102	228	240	95 +	90	328	8074	8313
UN60281	Rsa1.0_00828.1	433	62744	0	421	433	97 +	1	433	8780	9212
UN60282	Rsa1.0_01148.1	794	52375	0	781	788	99 +	3	788	24314	25101
UN60283	Rsa1.0_05866.1	733	12376	0	516	516	100 -	136	651	5437	5952
UN60284	Rsa1.0_00032.1	741	306326	1.00E-127	259	266	97 -	1	264	279058	279322
UN60285	Rsa1.0_00146.1	382	149343	1.00E-149	349	372	93 +	13	382	130727	131097
UN60286	Rsa1.0_00332.1	334	94575	2.00E-67	174	186	93 -	4	188	74767	74951
UN60287	Rsa1.0_00332.1	753	94575	1.00E-129	266	275	96 +	303	577	78288	78561
UN60288	Rsa1.0_04426.1	384	17399	0	369	382	96 -	3	384	5403	5784
UN60289	Rsa1.0_04888.1	798	15595	0	737	796	92 -	6	795	9483	10274
UN60290	Rsa1.0_01363.1	736	47195	1.00E-135	254	257	98 -	445	701	21970	22226
UN60291	Rsa1.0_03107.1	841	25349	1.00E-180	383	400	95 -	424	820	12906	13305
UN60292	Rsa1.0_00166.1	260	240912	1.00E-101	239	256	93 -	8	260	135166	135421

UN60293	Rsa1.0.08355.1	424	7487	0	403	424	95 +	1	422	6515	6931
UN60294	Rsa1.0.00244.1	741	103590	0	422	424	99 +	1	424	32532	32955
UN60295	Rsa1.0.02443.1	809	31353	0	452	469	96 -	93	558	7277	7742
UN60296	Rsa1.0.22408.1	516	1124	1.00E-145	312	328	95 +	1	326	501	823
UN60297	Rsa1.0.02937.1	125	26605	3.00E-36	113	125	90 -	1	125	9906	10030
UN60298	Rsa1.0.00295.1	701	152597	1.00E-168	342	354	96 +	345	695	49132	49484
UN60299	Rsa1.0.00016.1	263	831256	3.00E-94	211	223	94 +	41	263	403615	403837
UN60300	Rsa1.0.01114.1	318	53602	1.00E-152	306	316	96 -	1	316	14682	14996
UN60301	Rsa1.0.01504.1	858	189978	0	442	478	92 +	1	461	168485	168956
UN60302	Rsa1.0.01594.1	484	42612	1.00E-79	181	191	94 -	8	198	11959	12149
UN60303	Rsa1.0.26227.1	756	900	0	515	551	93 -	184	724	351	900
UN60304	Rsa1.0.00684.1	751	141701	0	519	535	97 +	1	535	54178	54698
UN60305	Rsa1.0.00451.1	794	322533	2.33E-156	320	335	95 -	1	331	301659	301989
UN60306	Rsa1.0.00080.1	433	190437	0	412	431	95 +	1	431	104380	104810
UN60307	Rsa1.0.00527.1	627	77733	0	515	524	98 +	1	522	26265	26788
UN60308	Rsa1.0.00757.1	754	65559	0	719	733	98 -	23	754	44873	45605
UN60309	Rsa1.0.01211.1	289	50646	3.00E-66	262	306	85 -	1	289	41955	42259
UN60310	Rsa1.0.09102.1	688	6646	0	629	681	92 -	14	688	5729	6409
UN60311	Rsa1.0.04592.1	853	16716	0	827	852	97 +	5	852	15516	16367
UN60312	Rsa1.0.02561.1	119	30080	4.00E-48	112	117	95 +	3	119	13930	14046
UN60313	Rsa1.0.00327.1	791	94892	0	579	643	90 +	172	790	70060	70692
UN60314	Rsa1.0.00992.1	803	57419	1.00E-171	365	381	95 -	4	379	25453	25830
UN60315	Rsa1.0.01413.1	638	46275	3.00E-99	205	212	96 -	401	612	21142	21353
UN60316	Rsa1.0.00924.1	802	59524	1.00E-172	313	314	99 +	79	392	37493	37805
UN60317	Rsa1.0.00515.1	713	78417	1.00E-117	332	369	89 -	1	369	19872	20232
UN60318	Rsa1.0.00904.1	761	180594	0	748	761	98 -	1	761	152000	152760
UN60319	Rsa1.0.02479.1	806	31038	1.00E-172	309	310	99 -	497	806	9967	10276
UN60320	Rsa1.0.07143.1	277	9832	2.00E-67	196	218	89 +	2	219	3890	4107
UN60321	Rsa1.0.02382.1	658	31969	0	623	669	93 +	1	658	18119	18770
UN60322	Rsa1.0.73415.1	138	312	4.00E-39	121	134	90 -	1	134	101	234
UN60323	Rsa1.0.03424.1	710	23064	0	584	607	96 +	106	703	79	682
UN60324	Rsa1.0.00090.1	609	273859	1.00E-162	317	326	97 -	260	585	144801	145126
UN60325	Rsa1.0.09588.1	768	6267	4.00E-83	166	169	98 -	493	661	5926	6094
UN60326	Rsa1.0.03636.1	746	21638	3.00E-87	218	234	93 -	1	232	17912	18143
UN60327	Rsa1.0.06671.1	394	10563	0	385	390	98 -	5	394	9442	9828
UN60328	Rsa1.0.00734.1	608	66508	0	515	543	94 +	1	543	62123	62665
UN60329	#	#	#	#	#	#	#	#	#	#	#
UN60330	Rsa1.0.13994.1	801	3941	0	374	386	96 +	2	383	2785	3166
UN60331	Rsa1.0.00065.1	570	454616	0	553	574	96 +	5	570	4747	5320

UN60332	Rsa1.0.00440.1	215	84723	2.00E-88	201	213	94 +	1	213	25129	25341
UN60333	Rsa1.0.00804.1	738	63726	0	731	738	99 +	1	738	6987	7722
UN60334	Rsa1.0.00501.1	527	79545	0	501	524	95 -	3	526	68702	69225
UN60335	Rsa1.0.11599.1	606	5462	1.00E-135	282	293	96 +	5	297	4638	4929
UN60336	Rsa1.0.02621.1	494	156120	0	484	507	95 +	1	494	18999	19501
UN60337	Rsa1.0.03521.1	753	396204	1.00E-126	291	311	93 -	33	335	11752	12062
UN60338	Rsa1.0.00739.1	260	66155	8.00E-79	238	262	90 +	1	260	51991	52246
UN60339	Rsa1.0.01646.1	449	41735	1.00E-105	231	244	94 -	213	449	29234	29477
UN60340	Rsa1.0.04022.1	733	19534	1.00E-123	243	249	97 -	312	560	2133	2381
UN60341	Rsa1.0.04248.1	720	18287	1.00E-153	288	291	98 -	2	291	10696	10986
UN60342	Rsa1.0.01575.1	550	42924	8.00E-16	95	112	84 +	69	180	37332	37443
UN60343	Rsa1.0.00466.1	515	82132	0	362	369	98 -	148	513	13981	14349
UN60344	Rsa1.0.03569.1	713	22041	0	685	713	96 -	2	713	5531	6243
UN60345	Rsa1.0.00976.1	621	57809	1.00E-88	172	174	98 +	152	325	6518	6691
UN60346	Rsa1.0.01017.1	654	56714	3.00E-90	211	225	93 -	3	225	18890	19106
UN60347	Rsa1.0.00848.1	745	152362	1.00E-107	209	213	98 -	36	248	40824	41036
UN60348	Rsa1.0.06019.1	670	11916	1.00E-170	352	367	95 +	7	362	10984	11350
UN60349	Rsa1.0.00039.1	670	296927	0	628	658	95 -	1	658	275205	275862
UN60350	Rsa1.0.03664.1	731	21487	1.00E-110	257	271	94 -	464	731	4039	4309
UN60351	Rsa1.0.00089.1	761	406142	0	516	535	96 -	15	544	343335	343868
UN60352	Rsa1.0.00284.1	755	323267	0	683	689	99 -	72	755	257775	258463
UN60353	Rsa1.0.02707.1	657	28520	3.00E-93	189	194	97 +	59	252	10465	10658
UN60354	Rsa1.0.04576.1	747	16783	1.00E-83	167	170	98 +	532	701	8671	8840
UN60355	Rsa1.0.01328.1	714	48021	1.00E-101	194	195	99 +	224	417	17029	17223
UN60356	Rsa1.0.00554.1	668	150953	0	384	387	99 +	3	387	119374	119760
UN60357	Rsa1.0.00838.1	578	153820	1.00E-168	418	460	90 +	5	452	59245	59689
UN60358	Rsa1.0.01348.1	691	47569	1.00E-64	135	138	97 -	3	140	27790	27927
UN60359	Rsa1.0.00190.1	629	318240	6.00E-85	175	180	97 -	229	408	212074	212253
UN60360	Rsa1.0.21003.1	752	1246	0	417	431	96 +	108	537	1	431
UN60361	Rsa1.0.00369.1	727	266462	1.00E-148	282	286	98 -	179	463	266097	266382
UN60362	Rsa1.0.00190.1	596	318240	0	546	567	96 -	3	566	200811	201377
UN60363	Rsa1.0.02104.1	597	34985	0	352	361	97 +	1	361	5353	5713
UN60364	Rsa1.0.17009.1	697	1954	1.00E-143	265	266	99 -	433	697	1333	1598
UN60365	Rsa1.0.01026.1	679	171624	0	381	387	98 -	294	679	165504	165890
UN60366	Rsa1.0.03477.1	590	22635	0	397	398	99 +	126	523	2550	2947
UN60367	Rsa1.0.04434.1	641	17377	0	606	653	92 -	2	641	7296	7941
UN60368	Rsa1.0.07731.1	488	8696	0	382	386	98 -	99	484	5682	6063
UN60369	Rsa1.0.13728.1	457	4415	3.00E-33	118	133	88 +	43	175	2195	2327
UN60370	Rsa1.0.00124.1	758	262503	0	367	379	96 -	142	520	21414	21790

UN60371	Rsa1.0.02537.1	697	30367	7.00E-54	242	284	85 -	20	302	24113	24395
UN60372	Rsa1.0.00399.1	440	242951	2.00E-56	112	112	100 -	148	259	221421	221532
UN60373	Rsa1.0.00026.1	533	327835	2.00E-35	110	121	90 +	413	533	100989	101109
UN60374	Rsa1.0.01146.1	749	163455	1.00E-141	260	262	99 +	1	262	38461	38722
UN60375	Rsa1.0.00740.1	568	215972	0	557	575	96 -	1	568	212734	213308
UN60376	Rsa1.0.00367.1	587	90750	1.00E-167	307	310	99 -	278	587	54063	54372
UN60377	Rsa1.0.01566.1	649	43134	0	541	566	95 -	93	649	34097	34658
UN60378	Rsa1.0.01048.1	735	55684	0	731	733	99 +	2	734	43917	44649
UN60379	Rsa1.0.00016.1	628	831256	6.00E-94	231	245	94 +	386	628	673832	674072
UN60380	Rsa1.0.16043.1	377	2309	1.00E-125	227	227	100 +	3	229	787	1013
UN60381	Rsa1.0.00192.1	665	278200	9.00E-41	140	156	89 -	71	225	93714	93866
UN60382	Rsa1.0.02663.1	330	169243	1.00E-143	313	330	94 +	1	330	6118	6442
UN60383	Rsa1.0.00419.1	818	86562	9.00E-63	123	123	100 -	602	724	41455	41577
UN60384	Rsa1.0.01484.1	557	44806	0	359	361	99 +	197	557	28137	28496
UN60385	Rsa1.0.14849.1	658	3014	0	644	659	97 -	1	658	1424	2071
UN60386	Rsa1.0.09380.1	569	6409	0	552	575	96 +	3	569	5796	6370
UN60387	Rsa1.0.00605.1	687	73199	0	442	460	96 -	3	462	4479	4932
UN60388	Rsa1.0.01126.1	735	53127	1.00E-150	273	274	99 -	462	735	29878	30151
UN60389	Rsa1.0.08984.1	719	6734	0	504	535	94 +	77	610	2077	2605
UN60390	Rsa1.0.04660.1	405	16478	3.00E-92	203	212	95 +	195	405	12709	12920
UN60391	Rsa1.0.01058.1	738	55430	2.00E-88	181	186	97 -	285	470	22337	22522
UN60392	Rsa1.0.01316.1	649	48325	0	647	649	99 -	1	649	35360	36008
UN60393	Rsa1.0.03125.1	647	147978	1.00E-164	329	341	96 -	194	534	139075	139415
UN60394	Rsa1.0.00829.1	476	158305	2.00E-37	98	104	94 +	13	116	40278	40381
UN60395	Rsa1.0.05199.1	790	14529	3.00E-75	204	226	90 +	72	297	7773	7987
UN60396	Rsa1.0.22714.1	757	1101	0	702	731	96 +	29	757	1	729
UN60397	Rsa1.0.00014.1	428	348985	1.00E-126	249	253	98 +	178	428	164648	164900
UN60398	Rsa1.0.02281.1	684	292576	0	673	688	97 -	3	684	290300	290987
UN60399	Rsa1.0.07394.1	268	9466	1.00E-150	268	268	100 +	1	268	1217	1484
UN60400	Rsa1.0.01094.1	685	167285	0	451	471	95 -	216	685	17503	17973
UN60401	Rsa1.0.00328.1	285	224661	1.00E-148	280	284	98 -	2	285	191658	191938
UN60402	Rsa1.0.00381.1	778	89718	5.00E-55	110	110	100 -	318	427	85169	85278
UN60403	Rsa1.0.00368.1	660	90669	0	610	680	89 +	2	660	84987	85652
UN60404	Rsa1.0.00464.1	152	82253	3.00E-18	106	117	90 -	25	141	37491	37598
UN60405	Rsa1.0.00706.1	760	291570	0	414	422	98 -	335	756	170675	171096
UN60406	Rsa1.0.00768.1	199	64969	1.00E-109	199	199	100 -	1	199	45879	46077
UN60407	Rsa1.0.01934.1	723	37162	0	597	617	96 +	1	610	13761	14377
UN60408	Rsa1.0.00016.1	191	831256	6.00E-79	183	191	95 +	1	191	785786	785971
UN60409	Rsa1.0.00284.1	739	323267	0	431	444	97 -	296	739	262813	263256

UN60410	Rsa1.0_24864.1	460	963	1.00E-161	424	467	90 -	1	460	325	790
UN60411	Rsa1.0_02060.1	801	35528	0	370	376	98 +	427	801	19474	19849
UN60412	Rsa1.0_00369.1	399	266462	1.00E-131	279	294	94 -	115	399	2037	2330
UN60413	Rsa1.0_48917.1	734	463	1.00E-100	188	189	99 +	206	394	45	233
UN60414	Rsa1.0_03367.1	780	23387	4.00E-71	140	141	99 -	475	615	2690	2830
UN60415	Rsa1.0_00484.1	189	203294	6.00E-42	87	87	100 -	1	87	136825	136911
UN60416	Rsa1.0_00510.1	640	78718	0	356	367	97 -	74	440	53847	54213
UN60417	Rsa1.0_00017.1	759	752458	0	538	579	92 +	65	628	367663	368240
UN60418	Rsa1.0_02218.1	853	33809	0	806	843	95 -	20	853	18232	19072
UN60419	Rsa1.0_00529.1	727	77487	0	512	529	96 -	5	531	25360	25885
UN60420	Rsa1.0_02114.1	670	34873	0	660	672	98 +	1	670	15715	16385
UN60421	Rsa1.0_04779.1	708	16008	0	684	707	96 +	5	708	9753	10454
UN60422	Rsa1.0_00682.1	743	68680	0	395	397	99 +	2	398	1953	2349
UN60423	Rsa1.0_00951.1	716	164588	4.00E-86	162	162	100 -	3	164	54588	54749
UN60424	Rsa1.0_00040.1	717	324196	1.00E-89	171	172	99 +	1	172	305443	305614
UN60425	Rsa1.0_00067.1	564	415055	0	506	530	95 +	3	524	177432	177959
UN60426	Rsa1.0_00863.1	507	254535	6.00E-75	241	270	89 -	243	507	110407	110672
UN60427	Rsa1.0_00341.1	658	249309	0	376	376	100 -	166	541	128778	129153
UN60428	Rsa1.0_00402.1	561	385315	0	556	559	99 +	3	561	128611	129169
UN60429	Rsa1.0_02803.1	460	27715	0	440	456	96 -	3	457	17275	17729
UN60430	Rsa1.0_00078.1	538	175053	0	533	537	99 +	2	538	9551	10087
UN60431	Rsa1.0_02813.1	514	27656	2.00E-87	223	246	90 +	108	353	25679	25909
UN60432	Rsa1.0_23887.1	212	1019	1.00E-109	209	212	98 +	1	212	42	253
UN60433	Rsa1.0_16412.1	794	2164	0	793	796	99 -	1	794	1012	1807
UN60434	Rsa1.0_00674.1	771	193753	0	380	382	99 -	1	382	178035	178416
UN60435	Rsa1.0_00617.1	773	72199	0	590	595	99 +	1	594	60779	61373
UN60436	Rsa1.0_00782.1	697	64468	0	428	447	95 +	10	452	53810	54256
UN60437	Rsa1.0_00221.1	313	106972	1.00E-162	307	313	98 +	1	313	103943	104255
UN60438	Rsa1.0_04098.1	292	19078	1.00E-124	282	295	95 -	2	292	11263	11553
UN60439	Rsa1.0_00502.1	759	204180	0	730	765	95 +	2	759	52177	52932
UN60440	Rsa1.0_01503.1	296	44467	1.00E-129	279	294	94 +	3	296	26666	26954
UN60441	Rsa1.0_00697.1	877	67913	1.00E-135	266	273	97 -	320	592	51878	52150
UN60442	Rsa1.0_00394.1	229	148426	6.00E-58	114	114	100 +	116	229	97131	97244
UN60443	Rsa1.0_03309.1	765	23852	0	762	766	99 +	1	765	5419	6183
UN60444	Rsa1.0_16557.1	288	2113	2.00E-64	156	165	94 -	130	288	1058	1222
UN60445	Rsa1.0_06189.1	663	11525	1.00E-118	243	251	96 -	111	359	11271	11521
UN60446	Rsa1.0_01561.1	811	43227	0	344	346	99 -	466	811	37889	38234
UN60447	Rsa1.0_02490.1	734	30885	1.00E-180	320	320	100 -	415	734	6010	6329
UN60448	Rsa1.0_01054.1	608	55470	0	572	590	96 +	23	608	25832	26418

UN60449	Rsa1.0.01411.1	781	46326	1.00E-64	126	126	100 +	656	781	13108	13233
UN60450	Rsa1.0.01168.1	440	153765	1.00E-69	224	250	89 -	193	433	23488	23728
UN60451	Rsa1.0.00069.1	665	403561	0	638	662	96 +	6	665	370884	371544
UN60452	Rsa1.0.01696.1	202	301850	6.00E-79	192	200	96 -	3	202	159115	159308
UN60453	Rsa1.0.06344.1	720	11205	1.00E-112	215	217	99 +	505	720	7231	7447
UN60454	Rsa1.0.01374.1	362	47047	3.00E-70	197	215	91 -	1	213	28205	28414
UN60455	Rsa1.0.05019.1	748	15114	0	428	429	99 -	320	748	4673	5100
UN60456	Rsa1.0.00025.1	189	277312	2.00E-38	149	164	90 +	13	175	65582	65739
UN60457	Rsa1.0.00078.1	321	175053	1.00E-139	306	320	95 +	1	318	53705	54019
UN60458	Rsa1.0.00753.1	500	65705	0	453	458	98 +	43	500	30158	30615
UN60459	Rsa1.0.00928.1	792	59293	1.00E-159	287	288	99 -	505	792	10585	10872
UN60460	Rsa1.0.00451.1	751	322533	0	720	762	94 -	4	744	250545	251305
UN60461	Rsa1.0.00112.1	524	132199	0	323	323	100 +	202	524	118955	119277
UN60462	Rsa1.0.00911.1	240	59943	4.00E-28	129	153	84 +	91	239	51711	51845
UN60463	Rsa1.0.00420.1	626	86496	5.00E-79	159	162	98 -	9	170	72725	72886
UN60464	Rsa1.0.00408.1	645	176752	4.00E-86	165	166	99 +	123	288	103907	104072
UN60465	Rsa1.0.04436.1	765	17364	1.00E-130	243	244	99 +	483	726	15291	15533
UN60466	Rsa1.0.02394.1	720	31789	5.00E-58	138	143	96 -	552	692	334	476
UN60467	Rsa1.0.06821.1	787	10301	1.00E-119	238	245	97 -	300	544	2567	2811
UN60468	Rsa1.0.01877.1	735	37789	2.00E-54	115	117	98 +	376	492	31088	31204
UN60469	Rsa1.0.05440.1	314	13749	1.00E-164	307	312	98 -	2	313	12742	13053
UN60470	Rsa1.0.00002.1	656	601661	6.00E-88	183	189	96 +	237	425	234593	234781
UN60471	Rsa1.0.00386.1	715	89134	1.00E-151	290	296	97 +	184	479	25829	26124
UN60472	Rsa1.0.16519.1	773	2126	3.00E-81	182	190	95 +	177	365	1018	1207
UN60473	Rsa1.0.00071.1	749	345714	0	497	548	90 +	2	532	141340	141872
UN60474	Rsa1.0.06111.1	735	11723	0	704	734	95 +	2	735	3931	4664
UN60475	Rsa1.0.00564.1	733	75428	1.00E-153	328	346	94 -	2	347	12963	13308
UN60476	Rsa1.0.00428.1	476	85599	1.00E-107	296	329	89 -	152	474	32033	32352
UN60477	Rsa1.0.00011.1	695	225044	3.00E-56	137	144	95 -	553	695	191921	192064
UN60478	Rsa1.0.01567.1	576	43090	0	477	516	92 -	63	574	19906	20402
UN60479	Rsa1.0.06194.1	256	11516	2.00E-70	138	139	99 -	116	254	9907	10045
UN60480	Rsa1.0.00676.1	716	69166	0	667	726	91 -	5	716	7904	8617
UN60481	Rsa1.0.00647.1	751	70440	0	379	390	97 -	70	459	5599	5988
UN60482	Rsa1.0.00486.1	632	80875	1.00E-124	247	253	97 +	381	632	15624	15876
UN60483	Rsa1.0.02068.1	182	35432	2.00E-63	173	182	95 -	1	182	15200	15374
UN60484	Rsa1.0.06215.1	324	11478	0	323	324	99 -	1	324	3392	3715
UN60485	Rsa1.0.00398.1	832	88007	0	657	661	99 -	1	661	14478	15138
UN60486	Rsa1.0.01338.1	167	155644	2.00E-41	93	94	98 +	1	94	126647	126739
UN60487	Rsa1.0.00307.1	723	199003	0	471	479	98 -	3	481	10972	11450

UN60488	Rsa1.0_02182.1	625	34172	1.00E-113	214	216	99 -	168	383	23710	23925
UN60489	Rsa1.0_05815.1	701	12563	1.00E-127	258	267	96 +	323	589	8883	9149
UN60490	Rsa1.0_05047.1	727	15032	0	635	694	91 -	3	677	11264	11954
UN60491	Rsa1.0_00281.1	625	99908	0	604	637	94 +	2	625	73367	74001
UN60492	Rsa1.0_02513.1	702	30643	0	416	419	99 +	2	419	9838	10256
UN60493	Rsa1.0_06303.1	362	11268	2.00E-52	111	113	98 -	213	325	9686	9798
UN60494	Rsa1.0_01078.1	130	316910	1.00E-54	126	131	96 +	2	130	136094	136224
UN60495	Rsa1.0_00092.1	674	659932	6.00E-79	179	189	94 -	3	191	134776	134958
UN60496	Rsa1.0_00032.1	337	306326	1.00E-47	100	101	99 +	64	164	201272	201372
UN60497	Rsa1.0_00122.1	710	265937	1.00E-168	323	327	98 +	387	710	58709	59035
UN60498	Rsa1.0_01859.1	140	38073	2.00E-41	89	90	98 -	51	140	16910	16999
UN60499	Rsa1.0_00769.1	569	64911	0	481	482	99 -	88	569	5253	5734
UN60500	Rsa1.0_00275.1	637	210104	0	438	448	97 +	2	449	121602	122049
UN60501	Rsa1.0_26169.1	673	903	3.00E-50	112	114	98 +	13	125	176	289
UN60502	Rsa1.0_09048.1	569	6683	0	478	493	96 +	77	568	5458	5950
UN60503	Rsa1.0_01996.1	362	36327	1.00E-103	274	297	92 -	68	361	28079	28368
UN60504	Rsa1.0_01034.1	702	56046	0	680	733	92 -	1	702	22592	23316
UN60505	Rsa1.0_00911.1	688	59943	0	376	393	95 +	297	688	42158	42550
UN60506	Rsa1.0_42286.1	655	531	0	451	472	95 -	5	476	40	511
UN60507	Rsa1.0_00950.1	275	58547	3.00E-57	132	136	97 +	140	275	37612	37744
UN60508	Rsa1.0_00404.1	680	87635	1.00E-128	303	325	93 -	2	325	1304	1628
UN60509	Rsa1.0_48636.1	785	466	0	372	376	98 -	404	778	91	466
UN60510	Rsa1.0_00454.1	351	216970	1.00E-110	223	230	96 -	1	230	188583	188812
UN60511	Rsa1.0_01434.1	593	45951	0	518	551	94 +	7	557	438	977
UN60512	Rsa1.0_06535.1	559	10827	0	519	561	92 +	3	559	2569	3107
UN60513	Rsa1.0_51812.1	702	439	1.00E-101	187	187	100 -	3	189	217	403
UN60514	Rsa1.0_01730.1	631	40223	0	351	353	99 +	2	354	12333	12685
UN60515	Rsa1.0_04211.1	559	18440	0	550	558	98 +	2	558	1446	2002
UN60516	Rsa1.0_02375.1	730	32026	0	383	390	98 +	341	730	29000	29389
UN60517	Rsa1.0_10491.1	630	5829	0	478	491	97 +	140	630	1	491
UN60518	Rsa1.0_02485.1	677	30968	1.00E-134	268	275	97 -	233	506	28448	28722
UN60519	Rsa1.0_00142.1	716	121474	1.00E-171	350	364	96 +	265	628	116830	117191
UN60520	Rsa1.0_02234.1	645	33618	0	466	501	93 -	1	481	11737	12237
UN60521	Rsa1.0_00724.1	585	66789	1.00E-137	247	247	100 +	339	585	66377	66623
UN60522	Rsa1.0_02449.1	808	31292	0	435	448	97 +	362	808	21797	22244
UN60523	Rsa1.0_04596.1	600	16709	1.00E-125	286	311	91 +	312	600	1	311
UN60524	Rsa1.0_00176.1	141	240984	2.00E-41	133	141	94 -	1	141	211182	211315
UN60525	Rsa1.0_07676.1	243	8827	2.00E-54	111	112	99 +	1	112	298	409
UN60526	Rsa1.0_01151.1	337	52268	1.00E-138	320	342	93 +	1	336	38049	38381

UN60527	Rsa1.0.00771.1	718	64870	0	378	382	98 +	1	382	47017	47397
UN60528	Rsa1.0.01457.1	192	45337	6.00E-36	100	105	95 -	88	192	7642	7744
UN60529	Rsa1.0.07606.1	626	9035	0	355	359	98 -	268	626	2784	3142
UN60530	Rsa1.0.03878.1	218	20305	4.00E-37	100	103	97 -	45	147	12290	12389
UN60531	Rsa1.0.01805.1	127	39024	3.00E-61	125	127	98 +	1	127	23767	23893
UN60532	Rsa1.0.00369.1	679	266462	1.00E-141	366	403	90 +	233	635	192839	193241
UN60533	Rsa1.0.14950.1	765	2940	0	635	713	89 -	3	690	1674	2367
UN60534	Rsa1.0.02456.1	521	31222	4.00E-64	174	186	93 +	335	518	26022	26202
UN60535	Rsa1.0.02499.1	801	30774	1.00E-127	258	267	96 -	442	708	22868	23134
UN60536	Rsa1.0.01214.1	672	50599	0	644	664	96 +	10	672	33859	34511
UN60537	Rsa1.0.00713.1	700	158017	1.00E-163	301	303	99 -	248	549	31836	32138
UN60538	Rsa1.0.68626.1	670	334	1.00E-39	124	137	90 +	474	606	168	304
UN60539	Rsa1.0.00630.1	661	71281	1.00E-118	239	247	96 +	233	479	16575	16821
UN60540	Rsa1.0.01247.1	794	49934	2.00E-42	317	393	80 +	163	555	19035	19427
UN60541	Rsa1.0.02921.1	752	26779	1.00E-178	366	382	95 -	2	380	24760	25141
UN60542	Rsa1.0.01854.1	736	38237	0	734	737	99 -	1	736	3708	4444
UN60543	Rsa1.0.00016.1	655	831256	5.00E-64	180	194	92 -	50	241	355289	355472
UN60544	Rsa1.0.00092.1	734	659932	0	577	595	96 -	135	728	21612	22206
UN60545	Rsa1.0.00119.1	643	467509	0	556	581	95 -	64	643	347208	347782
UN60546	Rsa1.0.02706.1	668	28522	6.00E-79	165	170	97 +	344	513	13542	13711
UN60547	Rsa1.0.11581.1	590	5466	0	472	478	98 -	1	478	3183	3659
UN60548	Rsa1.0.00576.1	688	178949	1.00E-138	262	266	98 +	236	501	13305	13570
UN60549	Rsa1.0.24271.1	753	996	3.00E-65	133	135	98 -	323	457	175	309
UN60550	Rsa1.0.00497.1	748	79830	1.00E-92	226	238	94 +	3	234	40090	40325
UN60551	Rsa1.0.03476.1	580	22646	0	379	382	99 +	201	580	13003	13383
UN60552	#	#	#	#	#	#	#	#	#	#	#
UN60553	Rsa1.0.00905.1	687	60110	2.33E-156	269	271	99 +	414	684	5590	5860
UN60554	Rsa1.0.00306.1	650	146760	4.00E-92	256	281	91 +	25	301	108028	108291
UN60555	Rsa1.0.00058.1	575	159921	0	399	399	100 +	3	401	18236	18634
UN60556	Rsa1.0.01612.1	705	42255	0	703	704	99 +	3	705	12479	13182
UN60557	Rsa1.0.01528.1	494	43882	0	380	393	96 +	103	494	20340	20730
UN60558	Rsa1.0.00018.1	636	410899	5.00E-70	204	227	89 -	330	556	127432	127658
UN60559	Rsa1.0.00184.1	668	218748	0	650	677	96 -	1	668	17555	18221
UN60560	Rsa1.0.00797.1	718	63959	0	531	549	96 +	155	702	9991	10536
UN60561	Rsa1.0.00690.1	587	140527	1.00E-51	113	116	97 -	472	587	26854	26969
UN60562	Rsa1.0.02756.1	706	28202	1.00E-161	309	316	97 -	316	631	22631	22946
UN60563	Rsa1.0.00019.1	720	301669	3.00E-87	190	199	95 +	52	244	181302	181500
UN60564	Rsa1.0.14635.1	742	3204	0	565	598	94 +	140	726	2595	3177
UN60565	Rsa1.0.01578.1	714	42880	4.00E-74	142	142	100 +	139	280	29757	29898

UN60566	Rsa1.0.02550.1	697	291051	0	565	576	98 +	121	694	2209	2784
UN60567	Rsa1.0.00620.1	600	71985	0	510	513	99 -	90	600	9243	9755
UN60568	Rsa1.0.01468.1	736	45146	0	472	475	99 +	239	711	13817	14291
UN60569	Rsa1.0.00724.1	728	66789	0	664	696	95 -	2	688	17214	17906
UN60570	Rsa1.0.00651.1	631	247766	0	385	400	96 +	157	556	78519	78912
UN60571	Rsa1.0.00008.1	727	358124	1.00E-115	295	323	91 -	3	319	317998	318311
UN60572	Rsa1.0.00725.1	636	66757	0	611	648	94 -	3	636	24561	25207
UN60573	Rsa1.0.00017.1	643	752458	0	604	656	92 +	3	634	312216	312871
UN60574	Rsa1.0.01109.1	714	53793	0	698	720	96 +	2	714	9172	9891
UN60575	Rsa1.0.54025.1	713	422	0	414	422	98 +	186	604	1	422
UN60576	Rsa1.0.00240.1	645	104175	1.00E-136	408	463	88 +	204	642	44006	44454
UN60577	Rsa1.0.01126.1	167	53127	3.00E-62	130	133	97 -	16	148	39906	40038
UN60578	Rsa1.0.01760.1	643	39730	1.00E-143	291	300	97 -	7	306	26012	26307
UN60579	Rsa1.0.00001.1	730	363028	1.00E-119	255	266	95 +	34	294	92829	93094
UN60580	Rsa1.0.00694.1	536	68074	2.00E-84	185	193	95 +	3	192	1462	1654
UN60581	Rsa1.0.02314.1	736	32642	1.00E-179	335	340	98 +	2	338	24769	25108
UN60582	Rsa1.0.00008.1	639	358124	1.00E-178	326	328	99 +	139	465	193479	193806
UN60583	Rsa1.0.00670.1	152	69371	2.00E-41	95	98	96 +	55	152	40264	40361
UN60584	Rsa1.0.00121.1	753	278029	1.00E-136	246	246	100 -	430	675	39285	39530
UN60585	Rsa1.0.04016.1	720	19570	1.00E-139	266	271	98 -	444	714	5674	5944
UN60586	Rsa1.0.08530.1	744	7232	1.00E-100	192	194	98 +	417	610	918	1111
UN60587	Rsa1.0.00134.1	542	390219	0	424	426	99 +	37	460	148825	149250
UN60588	Rsa1.0.04483.1	682	17174	1.00E-169	305	306	99 +	303	608	12287	12592
UN60589	Rsa1.0.00030.1	794	250988	1.00E-125	251	257	97 -	3	257	46719	46973
UN60590	Rsa1.0.00224.1	755	327530	4.00E-43	108	114	94 -	532	645	228933	229046
UN60591	Rsa1.0.02750.1	668	28239	1.00E-149	587	684	85 -	4	668	23987	24638
UN60592	Rsa1.0.00329.1	661	222544	7.00E-91	185	190	97 -	472	661	32489	32678
UN60593	Rsa1.0.00990.1	714	57445	1.00E-172	337	347	97 -	188	534	15881	16227
UN60594	Rsa1.0.00383.1	708	398431	0	550	551	99 +	3	553	20101	20651
UN60595	Rsa1.0.04852.1	715	15712	7.00E-88	177	181	97 -	4	184	11746	11926
UN60596	Rsa1.0.02330.1	732	32452	0	333	334	99 -	176	509	1503	1836
UN60597	Rsa1.0.14775.1	707	3074	0	391	412	94 +	3	399	833	1243
UN60598	Rsa1.0.00253.1	739	231292	0	486	506	96 -	202	706	8836	9341
UN60599	Rsa1.0.01153.1	562	52264	0	493	493	100 +	1	493	7807	8299
UN60600	Rsa1.0.00020.1	150	283099	2.00E-32	77	79	97 -	1	79	32347	32425
UN60601	Rsa1.0.00045.1	452	328694	1.00E-91	174	175	99 -	278	452	141040	141214
UN60602	Rsa1.0.00905.1	698	60110	0	592	606	97 -	89	694	44738	45343
UN60603	Rsa1.0.04602.1	672	16684	0	645	678	95 -	2	672	2796	3473
UN60604	Rsa1.0.00030.1	482	250988	0	409	432	94 -	2	419	117250	117681

UN60605	Rsa1.0_00676.1	675	69166	1.00E-129	262	271	96 -	405	675	65891	66161
UN60606	Rsa1.0_00992.1	528	57419	0	518	528	98 +	1	528	12696	13217
UN60607	Rsa1.0_01679.1	630	146876	0	444	464	95 +	2	464	144919	145382
UN60608	Rsa1.0_02735.1	738	28344	0	466	474	98 +	3	475	2743	3216
UN60609	Rsa1.0_01602.1	582	42503	1.00E-116	212	212	100 -	1	212	21768	21979
UN60610	Rsa1.0_01338.1	502	155644	1.00E-107	234	244	95 +	88	331	126504	126743
UN60611	Rsa1.0_00013.1	505	292129	0	458	478	95 +	3	480	114306	114782
UN60612	Rsa1.0_00930.1	472	59224	6.00E-75	214	238	89 +	168	405	49934	50155
UN60613	Rsa1.0_02085.1	731	35198	1.00E-89	238	258	92 +	22	277	15838	16087
UN60614	Rsa1.0_01336.1	674	47853	6.00E-82	175	179	97 +	3	179	7797	7975
UN60615	Rsa1.0_22064.1	569	1152	1.00E-127	260	270	96 -	9	278	528	797
UN60616	Rsa1.0_01480.1	632	44926	0	629	633	99 -	1	632	27905	28537
UN60617	Rsa1.0_00131.1	334	432233	1.00E-121	253	262	96 +	75	334	69127	69386
UN60618	Rsa1.0_04806.1	555	15898	1.00E-150	325	344	94 +	215	555	7239	7574
UN60619	Rsa1.0_36865.1	637	612	1.00E-129	282	297	94 +	39	332	149	445
UN60620	Rsa1.0_01983.1	728	36509	1.00E-111	214	216	99 +	464	679	31026	31240
UN60621	Rsa1.0_03388.1	656	23277	0	649	656	98 -	1	656	4043	4698
UN60622	Rsa1.0_01196.1	777	51097	1.00E-126	279	297	93 -	4	300	3485	3772
UN60623	Rsa1.0_00128.1	739	228675	1.00E-115	264	281	93 +	86	363	131985	132265
UN60624	Rsa1.0_00082.1	650	237584	0	627	652	96 +	2	650	40703	41347
UN60625	Rsa1.0_02062.1	365	35485	6.00E-19	64	69	92 -	297	365	5627	5695
UN60626	Rsa1.0_00330.1	733	94666	0	558	558	100 +	82	639	22896	23453
UN60627	Rsa1.0_01146.1	662	163455	1.00E-108	239	249	95 -	418	662	41238	41485
UN60628	Rsa1.0_08418.1	151	7391	1.00E-54	122	124	98 +	28	151	374	495
UN60629	Rsa1.0_01138.1	783	190615	1.00E-177	336	343	97 +	3	345	16189	16531
UN60630	Rsa1.0_00632.1	159	183777	3.00E-34	145	159	91 +	1	159	166459	166606
UN60631	Rsa1.0_01719.1	735	40388	0	502	507	99 -	229	735	32231	32737
UN60632	Rsa1.0_03852.1	748	20451	0	720	750	96 -	2	748	11491	12225
UN60633	Rsa1.0_03626.1	361	160993	0	356	358	99 +	1	358	4213	4570
UN60634	Rsa1.0_72547.1	628	316	1.00E-85	161	161	100 -	468	628	8	168
UN60635	Rsa1.0_05336.1	254	14117	1.00E-121	247	255	96 +	2	254	4289	4543
UN60636	Rsa1.0_00421.1	756	86365	1.00E-61	121	121	100 -	442	562	57049	57169
UN60637	Rsa1.0_04898.1	499	15545	3.00E-95	243	266	91 +	8	273	2856	3103
UN60638	Rsa1.0_06944.1	647	10131	1.00E-122	222	222	100 +	279	500	9910	10131
UN60639	Rsa1.0_02563.1	664	30050	2.00E-14	146	180	81 +	292	470	16002	16174
UN60640	Rsa1.0_00201.1	636	232851	0	633	637	99 +	1	636	150463	151099
UN60641	Rsa1.0_00514.1	342	78421	8.00E-55	112	113	99 +	152	264	62883	62995
UN60642	Rsa1.0_04179.1	664	18633	1.00E-117	233	237	98 -	431	664	17791	18027
UN60643	Rsa1.0_00855.1	678	62047	0	676	677	99 +	2	678	60244	60920

UN60644	Rsa1.0_01720.1	717	40358	1.00E-100	186	186	100 -	2	187	9926	10111
UN60645	Rsa1.0_07998.1	810	8105	1.00E-151	302	312	96 +	216	527	4011	4322
UN60646	Rsa1.0_00502.1	558	204180	1.00E-168	305	307	99 +	1	307	29234	29540
UN60647	Rsa1.0_00181.1	654	114269	1.00E-142	311	328	94 -	333	654	21027	21354
UN60648	Rsa1.0_00016.1	123	831256	4.00E-54	119	123	96 +	1	123	326707	326829
UN60649	Rsa1.0_00911.1	460	59943	1.00E-103	218	227	96 +	4	230	29348	29574
UN60650	Rsa1.0_02105.1	497	156953	0	353	353	100 -	145	497	3228	3580
UN60651	Rsa1.0_00128.1	636	228675	2.00E-57	140	148	94 -	1	145	219511	219658
UN60652	Rsa1.0_00140.1	722	121541	1.00E-131	269	277	97 -	447	722	103405	103680
UN60653	Rsa1.0_00017.1	448	752458	1.00E-175	408	435	93 +	10	435	485906	486340
UN60654	Rsa1.0_00594.1	668	73729	1.00E-128	232	232	100 +	437	668	30039	30270
UN60655	Rsa1.0_00124.1	573	262503	1.00E-144	287	295	97 -	280	573	83879	84167
UN60656	Rsa1.0_01018.1	667	56685	0	663	671	98 +	1	667	24145	24815
UN60657	Rsa1.0_06113.1	206	11721	1.00E-52	139	148	93 -	3	149	8769	8914
UN60658	Rsa1.0_00017.1	323	752458	1.00E-114	301	321	93 +	3	323	464345	464657
UN60659	Rsa1.0_01516.1	264	44196	7.00E-67	132	133	99 -	2	134	37369	37501
UN60660	Rsa1.0_02034.1	655	35823	1.00E-149	328	346	94 -	2	338	11733	12078
UN60661	Rsa1.0_00474.1	639	81731	1.00E-152	316	330	95 -	313	639	43851	44180
UN60662	Rsa1.0_02397.1	507	31778	1.00E-138	294	312	94 +	2	299	20926	21237
UN60663	Rsa1.0_03297.1	588	23969	1.00E-127	317	343	92 -	226	567	14221	14552
UN60664	Rsa1.0_09116.1	769	6637	0	615	667	92 +	2	665	3281	3931
UN60665	Rsa1.0_00172.1	724	115476	1.00E-176	319	321	99 -	5	325	86942	87262
UN60666	Rsa1.0_05398.1	606	13885	3.00E-96	186	187	99 +	421	606	13003	13189
UN60667	Rsa1.0_00284.1	742	323267	5.00E-95	208	218	95 -	528	742	132324	132535
UN60668	Rsa1.0_00457.1	539	337301	0	499	522	95 -	18	537	179739	180256
UN60669	Rsa1.0_00779.1	538	64568	1.00E-57	227	267	85 +	272	538	25377	25631
UN60670	Rsa1.0_00038.1	643	314568	0	551	567	97 +	18	584	282952	283518
UN60671	Rsa1.0_00053.1	710	263459	4.00E-86	162	162	100 +	41	202	32297	32458
UN60672	Rsa1.0_03089.1	642	25465	1.00E-110	215	218	98 +	264	480	8405	8622
UN60673	Rsa1.0_00227.1	445	105849	0	445	445	100 +	1	445	9307	9751
UN60674	Rsa1.0_00027.1	687	283362	0	676	686	98 +	3	687	73297	73982
UN60675	Rsa1.0_00170.1	735	179538	4.00E-15	120	144	83 -	176	318	71028	71167
UN60676	Rsa1.0_00015.1	764	561803	8.00E-63	168	183	91 +	263	445	215237	215419
UN60677	Rsa1.0_00065.1	723	454616	1.00E-131	267	277	96 -	3	279	134382	134658
UN60678	Rsa1.0_02377.1	745	31994	1.00E-101	215	223	96 +	3	225	8894	9115
UN60679	Rsa1.0_01466.1	677	45161	0	365	377	96 +	2	378	2068	2444
UN60680	Rsa1.0_00848.1	648	152362	1.00E-112	281	309	90 -	172	480	52795	53089
UN60681	Rsa1.0_04298.1	547	147466	6.00E-66	134	136	98 -	3	138	820	955
UN60682	Rsa1.0_01778.1	676	39509	1.00E-111	302	338	89 +	73	404	10505	10823

UN60683	Rsa1.0.00571.1	107	329018	2.00E-21	66	68	97 -	42	107	49454	49521
UN60684	Rsa1.0.00221.1	765	106972	0	749	775	96 +	2	765	49226	49994
UN60685	Rsa1.0.00001.1	797	363028	0	793	800	99 -	2	796	120733	121532
UN60686	Rsa1.0.02195.1	707	34024	1.00E-135	263	269	97 +	110	378	21552	21820
UN60687	Rsa1.0.00217.1	795	107079	0	775	801	96 +	1	795	77299	78099
UN60688	Rsa1.0.03634.1	656	145192	0	369	370	99 -	287	656	133532	133901
UN60689	Rsa1.0.05820.1	455	12540	0	354	355	99 +	1	355	8152	8506
UN60690	Rsa1.0.00920.1	704	601703	0	604	617	97 +	91	704	295676	296292
UN60691	Rsa1.0.00554.1	667	150953	1.00E-106	336	386	87 +	6	376	119394	119760
UN60692	Rsa1.0.04422.1	732	17423	1.00E-101	187	187	100 -	546	732	10826	11012
UN60693	Rsa1.0.03781.1	686	20891	1.00E-171	399	423	94 -	269	686	5148	5562
UN60694	Rsa1.0.00480.1	746	81325	0	740	752	98 +	2	746	35699	36450
UN60695	Rsa1.0.28434.1	768	815	1.00E-120	235	238	98 +	534	768	48	285
UN60696	Rsa1.0.03166.1	726	24863	0	422	447	94 +	282	726	16687	17130
UN60697	Rsa1.0.06165.1	688	11584	0	674	687	98 -	2	688	10061	10747
UN60698	Rsa1.0.00537.1	703	186980	0	376	391	96 +	199	589	163711	164092
UN60699	Rsa1.0.00205.1	146	193401	3.00E-52	135	143	94 -	1	142	99212	99352
UN60700	Rsa1.0.05153.1	760	14663	8.00E-97	233	252	92 +	94	345	1685	1927
UN60701	Rsa1.0.00404.1	536	87635	5.00E-79	202	217	93 +	295	510	86855	87069
UN60702	Rsa1.0.01475.1	664	45044	0	645	663	97 -	2	664	26420	27082
UN60703	Rsa1.0.02713.1	641	28470	0	639	641	99 -	1	641	9376	10016
UN60704	Rsa1.0.00847.1	296	62270	2.00E-70	169	179	94 +	85	262	54053	54231
UN60705	Rsa1.0.00206.1	426	109040	1.00E-171	406	438	92 -	4	426	18772	19209
UN60706	Rsa1.0.00030.1	786	250988	3.00E-90	283	311	90 -	19	315	107603	107912
UN60707	Rsa1.0.03951.1	786	19894	1.00E-137	342	373	91 +	276	646	18554	18920
UN60708	Rsa1.0.04857.1	781	15703	0	752	761	98 +	1	755	10481	11241
UN60709	Rsa1.0.07250.1	742	9663	2.00E-75	269	319	84 -	3	299	9079	9379
UN60710	Rsa1.0.15165.1	517	2785	0	481	515	93 +	3	517	672	1186
UN60711	Rsa1.0.00178.1	720	114861	1.00E-177	333	339	98 +	45	383	66267	66605
UN60712	Rsa1.0.00574.1	418	74797	0	413	418	98 +	1	418	4166	4583
UN60713	Rsa1.0.01059.1	751	55410	1.00E-141	279	287	97 -	465	751	12572	12858
UN60714	Rsa1.0.02125.1	162	34775	5.00E-82	160	162	98 -	1	162	1267	1428
UN60715	Rsa1.0.08532.1	804	7228	1.00E-150	282	285	98 -	3	286	1	285
UN60716	Rsa1.0.05897.1	751	12302	0	672	706	95 -	2	703	4954	5659
UN60717	Rsa1.0.04611.1	785	16647	1.00E-165	397	427	92 +	2	426	9458	9883
UN60718	Rsa1.0.01051.1	741	55577	3.00E-84	199	209	95 +	524	730	3695	3900
UN60719	Rsa1.0.01204.1	818	50843	8.00E-85	175	180	97 +	242	421	25142	25321
UN60720	Rsa1.0.00589.1	638	209965	3.00E-80	196	210	93 +	155	361	152245	152454
UN60721	Rsa1.0.00883.1	638	61230	0	596	615	96 -	2	608	40280	40893

UN60722	Rsa1.0_00090.1	709	273859	0	704	711	99 -	2	708	8982	9692
UN60723	Rsa1.0_00702.1	723	67600	0	710	727	97 -	2	723	41215	41940
UN60724	Rsa1.0_03393.1	795	23247	0	532	572	93 -	240	789	13187	13758
UN60725	Rsa1.0_01332.1	822	47936	6.00E-98	185	186	99 -	461	646	29636	29821
UN60726	Rsa1.0_01815.1	576	38897	0	506	508	99 -	69	576	14405	14912
UN60727	Rsa1.0_00097.1	735	138858	0	408	417	97 -	3	418	100340	100756
UN60728	Rsa1.0_00089.1	783	406142	0	387	399	96 -	3	401	58902	59300
UN60729	Rsa1.0_02338.1	747	32390	0	437	455	96 +	96	550	1599	2044
UN60730	Rsa1.0_01769.1	625	39568	1.00E-119	227	230	98 -	187	416	35470	35699
UN60731	Rsa1.0_00385.1	764	89160	7.00E-79	168	174	96 +	256	429	50842	51015
UN60732	Rsa1.0_00642.1	675	201230	0	486	507	95 -	1	501	30064	30570
UN60733	Rsa1.0_00351.1	743	413096	0	697	721	96 -	9	726	377996	378715
UN60734	Rsa1.0_03669.1	808	147114	0	642	663	96 +	99	759	20525	21181
UN60735	Rsa1.0_01027.1	730	56402	0	590	606	97 -	2	604	40281	40886
UN60736	Rsa1.0_02443.1	605	31353	3.00E-77	169	175	96 -	4	178	20091	20264
UN60737	Rsa1.0_03573.1	535	22013	2.00E-13	133	159	83 -	340	493	12225	12383
UN60738	Rsa1.0_01358.1	746	47278	1.00E-166	303	305	99 +	258	562	6113	6417
UN60739	Rsa1.0_04086.1	688	19166	1.00E-143	261	262	99 -	177	438	14810	15071
UN60740	Rsa1.0_16356.1	821	2182	0	740	757	97 +	77	821	1421	2177
UN60741	Rsa1.0_00165.1	764	116466	0	379	389	97 +	376	764	2055	2443
UN60742	Rsa1.0_01274.1	758	49419	0	370	379	97 -	178	556	28183	28561
UN60743	Rsa1.0_01354.1	667	47342	1.00E-127	254	259	98 -	406	662	9371	9629
UN60744	Rsa1.0_01668.1	703	41299	0	684	705	97 +	2	703	5834	6538
UN60745	Rsa1.0_16932.1	351	1984	1.00E-139	277	285	97 +	2	286	1022	1304
UN60746	Rsa1.0_02655.1	734	29027	1.00E-36	130	143	90 -	595	734	11146	11288
UN60747	Rsa1.0_00008.1	707	358124	1.00E-108	248	265	93 +	1	265	10803	11055
UN60748	Rsa1.0_02004.1	753	169138	0	392	406	96 +	252	657	153253	153652
UN60749	Rsa1.0_00959.1	812	58202	0	357	361	98 +	3	363	16175	16535
UN60750	Rsa1.0_17175.1	762	1901	1.00E-148	331	355	93 -	4	340	421	775
UN60751	Rsa1.0_01405.1	701	46445	0	466	506	92 -	218	701	32966	33471
UN60752	Rsa1.0_04558.1	697	16860	0	571	574	99 -	2	573	223	796
UN60753	Rsa1.0_00025.1	742	277312	1.00E-172	358	372	96 +	372	741	265656	266024
UN60754	Rsa1.0_04275.1	644	18136	0	411	426	96 -	3	427	3255	3680
UN60755	Rsa1.0_02924.1	641	26736	1.00E-163	299	300	99 +	343	641	7926	8225
UN60756	Rsa1.0_00130.1	712	125737	0	503	520	96 +	73	591	121432	121946
UN60757	Rsa1.0_03276.1	762	24152	1.00E-176	331	337	98 +	3	339	13397	13733
UN60758	Rsa1.0_04021.1	668	19536	0	365	376	97 -	292	667	4252	4622
UN60759	#	#	#	#	#	#	#	#	#	#	#
UN60760	Rsa1.0_00873.1	749	61459	0	708	743	95 +	3	743	45245	45973

UN60761	Rsa1.0_13066.1	692	5025	0	682	690	98 +	4	692	3683	4369
UN60762	Rsa1.0_00105.1	698	134138	1.00E-131	267	276	96 +	1	273	507	782
UN60763	Rsa1.0_00998.1	647	57168	7.00E-97	192	196	97 -	81	276	53088	53283
UN60764	Rsa1.0_00725.1	183	66757	4.00E-43	162	185	87 +	3	183	43015	43187
UN60765	Rsa1.0_01338.1	738	155644	0	406	416	97 -	79	494	150627	151042
UN60766	Rsa1.0_07001.1	731	10048	6.00E-70	135	135	100 -	515	649	6595	6729
UN60767	Rsa1.0_00185.1	612	248445	0	612	612	100 -	1	612	241409	242020
UN60768	Rsa1.0_00181.1	638	114269	0	637	637	100 +	2	638	15853	16489
UN60769	Rsa1.0_03410.1	773	23147	1.00E-137	268	275	97 +	90	364	7051	7325
UN60770	Rsa1.0_00692.1	687	68151	1.00E-36	204	244	83 +	165	398	61262	61505
UN60771	Rsa1.0_12649.1	637	5164	1.00E-122	247	255	96 +	5	259	198	452
UN60772	Rsa1.0_05027.1	789	15094	9.00E-29	72	74	97 -	37	110	7925	7998
UN60773	#	#	#	#	#	#	#	#	#	#	#
UN60774	Rsa1.0_00136.1	733	122464	0	570	596	95 -	45	640	115441	116036
UN60775	Rsa1.0_00182.1	784	142305	1.00E-166	376	403	93 +	1	391	35043	35445
UN60776	Rsa1.0_00105.1	150	134138	2.00E-28	90	95	94 -	33	127	123747	123837
UN60777	Rsa1.0_01317.1	851	48287	5.00E-92	274	304	90 +	476	777	41346	41643
UN60778	Rsa1.0_74770.1	472	307	1.00E-105	200	202	99 +	271	472	33	234
UN60779	Rsa1.0_00065.1	769	454616	1.00E-74	170	179	94 -	462	640	178100	178278
UN60780	Rsa1.0_01166.1	708	51877	0	698	707	98 -	2	708	7427	8131
UN60781	Rsa1.0_05092.1	723	14878	1.00E-169	349	365	95 -	359	723	14366	14730
UN60782	Rsa1.0_04894.1	811	15569	1.00E-156	331	348	95 -	1	348	12849	13196
UN60783	Rsa1.0_10394.1	778	5861	0	464	470	98 -	1	469	1	470
UN60784	Rsa1.0_01480.1	625	44926	0	355	355	100 -	1	355	26422	26776
UN60785	Rsa1.0_03572.1	341	146346	1.00E-179	335	341	98 +	1	341	20122	20462
UN60786	Rsa1.0_04831.1	772	15799	1.00E-162	312	317	98 +	449	763	4919	5235
UN60787	Rsa1.0_00487.1	742	80674	1.00E-131	373	418	89 +	219	636	23759	24176
UN60788	Rsa1.0_00964.1	399	316648	1.00E-139	272	279	97 -	34	312	29015	29293
UN60789	Rsa1.0_00722.1	502	66840	0	498	500	99 -	3	502	38564	39063
UN60790	Rsa1.0_00506.1	705	79106	0	375	388	96 -	320	703	21140	21526
UN60791	Rsa1.0_00068.1	622	151813	1.00E-145	267	269	99 -	1	269	55974	56242
UN60792	Rsa1.0_00874.1	727	179723	0	571	582	98 +	81	659	54576	55157
UN60793	Rsa1.0_03754.1	848	21005	0	832	837	99 -	3	837	9364	10199
UN60794	Rsa1.0_01096.1	768	54266	1.00E-107	222	230	96 +	2	231	5768	5997
UN60795	Rsa1.0_00190.1	290	318240	4.00E-75	143	143	100 +	47	189	203733	203875
UN60796	Rsa1.0_00293.1	787	339294	0	769	777	98 +	2	775	177419	178195
UN60797	Rsa1.0_03550.1	658	22154	6.00E-48	104	106	98 +	253	358	3928	4033
UN60798	Rsa1.0_06793.1	155	10347	1.00E-79	153	154	99 -	2	155	1141	1294
UN60799	Rsa1.0_00089.1	334	406142	1.00E-126	237	239	99 -	98	334	210420	210658

UN60800	Rsa1.0.02032.1	733	35830	0	423	433	97 +	304	733	1810	2242
UN60801	Rsa1.0.00556.1	806	207212	0	639	665	96 -	148	806	15159	15820
UN60802	Rsa1.0.02568.1	766	30015	5.00E-95	192	197	97 -	196	392	10825	11021
UN60803	Rsa1.0.00311.1	511	96847	0	489	494	98 -	18	511	43673	44164
UN60804	Rsa1.0.04450.1	670	17297	3.00E-19	107	126	84 +	462	587	6733	6858
UN60805	Rsa1.0.00002.1	800	601661	2.00E-57	232	268	86 -	485	747	539650	539917
UN60806	Rsa1.0.00482.1	684	81162	1.00E-122	223	223	100 +	274	496	18970	19192
UN60807	Rsa1.0.00311.1	754	96847	1.00E-150	351	371	94 -	345	713	4209	4572
UN60808	Rsa1.0.00561.1	653	75653	0	466	473	98 +	181	653	36775	37244
UN60809	Rsa1.0.00916.1	648	59789	1.00E-140	306	320	95 +	179	496	12226	12544
UN60810	Rsa1.0.06013.1	456	11931	0	452	455	99 +	3	456	10532	10986
UN60811	Rsa1.0.00556.1	197	207212	2.00E-79	179	186	96 -	5	190	135270	135453
UN60812	Rsa1.0.00218.1	709	201480	1.00E-165	294	294	100 -	2	295	38039	38332
UN60813	Rsa1.0.05533.1	736	13402	0	385	391	98 +	1	391	10851	11241
UN60814	Rsa1.0.17526.1	712	1808	1.00E-129	247	251	98 +	40	290	915	1165
UN60815	Rsa1.0.00002.1	663	601661	0	634	659	96 +	2	657	105607	106261
UN60816	Rsa1.0.03209.1	782	24592	3.00E-90	203	213	95 +	46	257	12187	12399
UN60817	Rsa1.0.29381.1	601	784	9.00E-90	189	196	96 +	285	480	230	425
UN60818	Rsa1.0.00178.1	289	114861	1.00E-138	275	283	97 +	7	289	100195	100474
UN60819	Rsa1.0.02884.1	701	27034	1.00E-119	311	338	92 +	369	701	12825	13159
UN60820	Rsa1.0.01466.1	732	45161	0	716	723	99 -	1	718	38861	39583
UN60821	Rsa1.0.01341.1	477	47764	0	410	410	100 -	3	412	29068	29477
UN60822	Rsa1.0.00007.1	254	239325	1.00E-114	241	252	95 -	3	254	16321	16572
UN60823	Rsa1.0.02792.1	602	27829	0	600	601	99 +	2	602	6819	7419
UN60824	Rsa1.0.01803.1	699	173846	2.00E-75	184	196	93 -	501	695	21965	22160
UN60825	Rsa1.0.00586.1	683	163802	0	399	403	99 +	282	683	153732	154134
UN60826	Rsa1.0.69707.1	223	329	2.00E-60	156	165	94 +	62	217	30	194
UN60827	Rsa1.0.00964.1	394	316648	0	356	362	98 +	33	394	304161	304522
UN60828	Rsa1.0.00195.1	493	251884	3.00E-64	131	133	98 +	210	342	239819	239951
UN60829	Rsa1.0.00725.1	751	66757	0	551	603	91 +	23	622	43131	43718
UN60830	Rsa1.0.02613.1	744	29557	4.00E-43	341	422	80 -	324	743	24015	24436
UN60831	Rsa1.0.03762.1	659	20976	0	365	366	99 +	15	380	9030	9395
UN60832	Rsa1.0.00429.1	643	85559	0	607	641	94 +	3	643	19617	20248
UN60833	Rsa1.0.00087.1	724	761073	1.00E-98	229	241	95 -	9	248	103404	103640
UN60834	Rsa1.0.01730.1	730	40223	0	563	568	99 -	2	568	14693	15260
UN60835	Rsa1.0.00176.1	230	240984	4.00E-59	127	130	97 +	1	127	210475	210604
UN60836	Rsa1.0.14950.1	365	2940	1.00E-148	337	357	94 +	8	364	1444	1796
UN60837	Rsa1.0.00914.1	233	59880	6.00E-67	168	179	93 -	1	179	41852	42026
UN60838	Rsa1.0.00119.1	346	467509	1.00E-160	332	346	95 +	1	346	346461	346805

UN60839	Rsa1.0.00381.1	517	89718	3.00E-83	224	244	91 +	9	245	72020	72262
UN60840	Rsa1.0.00196.1	675	109960	0	620	646	95 +	34	675	88822	89455
UN60841	Rsa1.0.02180.1	743	34176	1.00E-101	190	191	99 -	218	408	20273	20463
UN60842	Rsa1.0.10134.1	723	5984	0	698	720	96 +	7	723	2492	3211
UN60843	Rsa1.0.01829.1	639	166063	1.00E-79	166	171	97 -	440	610	157854	158024
UN60844	Rsa1.0.00254.1	664	102600	2.00E-75	210	232	90 +	46	276	87924	88146
UN60845	Rsa1.0.01895.1	674	37512	5.00E-98	439	528	83 -	1	497	11928	12431
UN60846	Rsa1.0.71176.1	712	322	1.00E-173	311	312	99 +	3	314	11	322
UN60847	Rsa1.0.00708.1	433	67366	1.00E-179	352	363	96 +	3	365	60719	61078
UN60848	Rsa1.0.01696.1	704	301850	0	413	419	98 +	286	704	143709	144127
UN60849	Rsa1.0.03387.1	646	23278	0	468	485	96 +	162	646	7461	7945
UN60850	Rsa1.0.03237.1	633	24434	0	541	558	96 -	77	633	7458	8015
UN60851	Rsa1.0.00401.1	640	244410	0	460	470	97 +	1	467	234410	234879
UN60852	Rsa1.0.00122.1	682	265937	0	675	700	96 -	4	682	92455	93154
UN60853	Rsa1.0.00197.1	666	109714	0	538	558	96 +	2	559	80573	81130
UN60854	Rsa1.0.00457.1	511	337301	6.00E-75	166	173	95 -	19	188	130685	130857
UN60855	Rsa1.0.00116.1	745	365886	1.00E-110	224	231	96 +	163	393	128371	128601
UN60856	Rsa1.0.00152.1	710	257730	1.00E-143	413	460	89 +	3	459	230075	230527
UN60857	Rsa1.0.03569.1	585	22041	0	579	587	98 +	1	585	4851	5436
UN60858	Rsa1.0.01017.1	799	56714	1.00E-103	203	207	98 +	1	207	16022	16228
UN60859	Rsa1.0.00386.1	625	89134	1.00E-170	312	315	99 -	1	315	57440	57754
UN60860	Rsa1.0.00001.1	114	363028	3.00E-36	99	105	94 -	11	114	211258	211362
UN60861	Rsa1.0.00189.1	120	111830	2.00E-40	108	116	93 -	1	116	46412	46527
UN60862	Rsa1.0.14836.1	718	3030	1.00E-138	250	250	100 +	3	252	2246	2495
UN60863	Rsa1.0.03057.1	103	25724	5.00E-13	44	46	95 +	58	103	7136	7181
UN60864	Rsa1.0.00471.1	105	81897	6.00E-28	88	95	92 -	1	94	66147	66241
UN60865	Rsa1.0.00461.1	722	82509	1.00E-165	377	410	91 -	1	410	20464	20851
UN60866	Rsa1.0.08225.1	731	7695	0	705	728	96 +	1	728	4144	4868
UN60867	Rsa1.0.01862.1	713	38030	1.00E-150	269	269	100 -	445	713	16415	16683
UN60868	Rsa1.0.00145.1	125	261008	3.00E-49	117	123	95 -	1	123	8829	8951
UN60869	Rsa1.0.02513.1	573	30643	0	557	574	97 -	1	573	11205	11777
UN60870	Rsa1.0.01752.1	552	39805	0	536	553	96 +	1	552	23269	23821
UN60871	Rsa1.0.00911.1	622	59943	0	616	624	98 -	1	622	20858	21481
UN60872	Rsa1.0.01478.1	592	44991	0	588	597	98 +	1	592	7236	7832
UN60873	Rsa1.0.00674.1	635	193753	0	346	349	99 +	280	628	129454	129802
UN60874	Rsa1.0.00911.1	158	59943	2.00E-53	142	154	92 -	1	154	42295	42448
UN60875	Rsa1.0.00046.1	673	320315	0	510	534	95 -	1	534	22369	22902
UN60876	Rsa1.0.01434.1	144	45951	3.00E-52	110	112	98 -	1	112	1046	1157
UN60877	Rsa1.0.06535.1	760	10827	0	737	761	96 -	1	760	3214	3974

UN60878	Rsa1.0.00089.1	698	406142	0	639	677	94 +	27	698	342179	342850
UN60879	Rsa1.0.04576.1	529	16783	1.00E-168	463	512	90 -	5	495	9598	10102
UN60880	Rsa1.0.00115.1	232	131321	5.00E-86	216	233	92 -	1	232	48923	49155
UN60881	Rsa1.0.00554.1	714	150953	1.00E-128	238	240	99 -	1	240	121603	121842
UN60882	Rsa1.0.00369.1	511	266462	0	474	494	95 +	18	511	264496	264989
UN60883	Rsa1.0.02104.1	671	34985	0	372	373	99 -	1	373	7644	8016
UN60884	Rsa1.0.04876.1	183	15631	2.00E-75	158	163	96 +	4	166	4226	4388
UN60885	#	#	#	#	#	#	#	#	#	#	#
UN60886	Rsa1.0.04779.1	612	16008	0	575	616	93 -	6	612	10456	11063
UN60887	Rsa1.0.00951.1	100	164588	6.00E-34	79	81	97 +	16	96	52175	52255
UN60888	Rsa1.0.72071.1	318	318	1.00E-129	270	282	95 -	1	282	1	282
UN60889	Rsa1.0.02207.1	539	33914	1.00E-124	226	226	100 -	1	226	33104	33329
UN60890	Rsa1.0.00191.1	542	316976	1.00E-134	270	279	96 -	211	489	145775	146053
UN60891	Rsa1.0.51431.1	738	442	1.00E-169	325	333	97 -	188	520	109	441
UN60892	Rsa1.0.00071.1	802	345714	0	359	363	98 -	76	437	142422	142783
UN60893	Rsa1.0.03541.1	128	22194	2.00E-22	82	90	91 +	1	89	1881	1970
UN60894	Rsa1.0.06580.1	116	10723	4.00E-45	111	116	95 -	1	116	762	876
UN60895	Rsa1.0.00676.1	128	69166	7.00E-50	109	112	97 +	10	121	7617	7728
UN60896	Rsa1.0.06215.1	163	11478	2.00E-50	115	117	98 +	47	163	3274	3388
UN60897	Rsa1.0.02234.1	461	33618	1.00E-180	338	343	98 +	1	343	10239	10580
UN60898	Rsa1.0.03019.1	725	25987	0	586	588	99 -	1	588	1534	2121
UN60899	Rsa1.0.00221.1	684	106972	0	405	427	94 -	4	429	23888	24304
UN60900	Rsa1.0.05871.1	601	12356	1.00E-105	225	234	96 -	3	235	6586	6819
UN60901	Rsa1.0.03609.1	666	21798	0	615	665	92 +	7	666	275	916
UN60902	Rsa1.0.01800.1	119	39109	3.00E-30	104	115	90 -	1	114	7817	7931
UN60903	Rsa1.0.00015.1	723	561803	1.00E-137	273	281	97 +	2	279	215139	215419
UN60904	Rsa1.0.00325.1	841	95371	1.00E-152	273	273	100 +	236	508	79215	79487
UN60905	Rsa1.0.00645.1	659	189716	1.00E-144	280	287	97 +	136	422	33786	34072
UN60906	Rsa1.0.04236.1	713	18370	0	707	710	99 +	4	713	4999	5708
UN60907	Rsa1.0.00038.1	715	314568	2.33E-156	293	303	96 +	2	300	196263	196565
UN60908	Rsa1.0.00275.1	698	210104	0	670	686	97 +	23	698	16268	16953
UN60909	Rsa1.0.00033.1	636	515811	0	555	593	93 -	36	619	352668	353258
UN60910	Rsa1.0.01602.1	657	42503	0	372	374	99 -	241	614	11562	11935
UN60911	Rsa1.0.00034.1	547	260119	1.00E-60	161	175	92 +	173	347	95307	95481
UN60912	Rsa1.0.03367.1	575	23387	1.00E-110	206	207	99 +	193	399	1583	1789
UN60913	Rsa1.0.09478.1	736	6341	0	427	450	94 -	9	458	5663	6109
UN60914	Rsa1.0.02218.1	765	33809	0	670	726	92 +	52	765	17466	18187
UN60915	Rsa1.0.00483.1	735	81102	8.00E-57	246	292	84 +	1	273	32616	32906
UN60916	Rsa1.0.03385.1	409	23280	1.00E-158	292	295	98 -	1	295	18397	18691

UN60917	Rsa1.0_00069.1	796	403561	0	511	540	94 -	264	796	371715	372249
UN60918	Rsa1.0_04583.1	703	16756	0	402	405	99 -	299	703	6486	6890
UN60919	Rsa1.0_00078.1	470	175053	0	431	451	95 -	2	450	54022	54466
UN60920	Rsa1.0_00301.1	807	365315	1.00E-86	219	236	92 -	118	348	318013	318248
UN60921	Rsa1.0_00928.1	553	59293	0	549	555	98 +	1	553	8657	9211
UN60922	Rsa1.0_00451.1	759	322533	0	686	745	92 +	37	759	249778	250518
UN60923	Rsa1.0_66644.1	677	344	5.00E-70	158	167	94 +	4	161	178	344
UN60924	Rsa1.0_00186.1	191	112669	2.00E-91	185	190	97 +	2	191	106671	106860
UN60925	Rsa1.0_00382.1	549	251946	1.00E-73	195	205	95 +	350	548	38232	38436
UN60926	Rsa1.0_00065.1	669	454616	0	526	565	93 +	3	547	192928	193492
UN60927	Rsa1.0_00128.1	706	228675	1.00E-123	236	240	98 +	190	429	89116	89355
UN60928	Rsa1.0_20339.1	474	1315	1.00E-108	199	199	100 -	276	474	931	1129
UN60929	Rsa1.0_08861.1	100	6847	6.00E-22	83	93	89 -	1	93	3774	3866
UN60930	Rsa1.0_02916.1	523	26809	0	392	410	95 -	7	416	5584	5991
UN60931	Rsa1.0_14285.1	683	3579	0	597	620	96 +	1	619	41	658
UN60932	#	#	#	#	#	#	#	#	#	#	#
UN60933	Rsa1.0_08144.1	244	7835	1.00E-122	237	242	97 -	1	242	594	835
UN60934	Rsa1.0_05440.1	228	13749	9.00E-97	215	227	94 +	1	227	12827	13053
UN60935	Rsa1.0_01771.1	628	172709	0	506	506	100 +	1	506	10021	10526
UN60936	Rsa1.0_01857.1	575	38103	0	401	424	94 +	4	422	1234	1653
UN60937	Rsa1.0_00002.1	197	601661	1.00E-100	194	197	98 -	1	197	235775	235971
UN60938	Rsa1.0_00129.1	812	126831	0	805	818	98 +	3	812	97287	98104
UN60939	Rsa1.0_00131.1	676	432233	1.00E-126	235	237	99 -	1	237	409550	409786
UN60940	Rsa1.0_01017.1	608	56714	0	431	448	96 -	163	608	18263	18698
UN60941	Rsa1.0_04146.1	663	18833	0	620	666	93 +	2	663	3809	4459
UN60942	Rsa1.0_00205.1	643	193401	9.00E-81	156	157	99 +	338	494	31914	32070
UN60943	Rsa1.0_05166.1	566	14624	1.00E-141	271	276	98 +	294	566	14105	14380
UN60944	Rsa1.0_06138.1	571	11651	0	389	397	97 -	168	559	10355	10751
UN60945	Rsa1.0_00799.1	696	63918	0	692	692	100 +	5	696	14165	14856
UN60946	Rsa1.0_01876.1	668	37800	1.00E-138	279	288	96 -	2	289	9471	9755
UN60947	Rsa1.0_00887.1	484	61048	1.00E-136	304	322	94 +	1	321	29157	29478
UN60948	#	#	#	#	#	#	#	#	#	#	#
UN60949	Rsa1.0_00092.1	569	659932	0	418	429	97 -	1	428	449088	449516
UN60950	Rsa1.0_01286.1	684	49209	0	677	684	98 +	1	684	35996	36679
UN60951	Rsa1.0_00205.1	379	193401	1.00E-180	363	377	96 +	3	379	111974	112347
UN60952	Rsa1.0_00661.1	637	213041	1.00E-165	322	331	97 -	6	336	6034	6364
UN60953	Rsa1.0_00010.1	713	294827	1.00E-171	353	368	95 -	312	676	119770	120134
UN60954	Rsa1.0_00557.1	652	75865	0	538	542	99 -	3	544	53235	53776
UN60955	Rsa1.0_00944.1	637	58733	0	391	404	96 +	13	414	45541	45944

UN60956	Rsa1.0.02652.1	359	29038	1.00E-127	244	248	98 +	115	359	21715	21962
UN60957	Rsa1.0.00131.1	681	432233	0	613	677	90 -	3	663	90115	90769
UN60958	Rsa1.0.01971.1	101	36641	2.00E-15	57	61	93 +	41	101	19087	19145
UN60959	Rsa1.0.01517.1	610	44170	1.00E-156	299	304	98 -	3	305	18101	18404
UN60960	Rsa1.0.14560.1	640	3267	1.00E-131	238	238	100 -	224	461	1839	2076
UN60961	Rsa1.0.00192.1	608	278200	0	426	439	97 +	1	438	37941	38378
UN60962	Rsa1.0.02608.1	290	29613	3.00E-63	126	127	99 -	1	127	8438	8564
UN60963	Rsa1.0.01230.1	643	50221	0	625	640	97 +	2	640	40795	41433
UN60964	Rsa1.0.00628.1	704	214360	1.00E-168	312	316	98 -	212	527	186222	186537
UN60965	Rsa1.0.00331.1	671	176754	1.00E-132	247	248	99 -	226	472	109645	109892
UN60966	Rsa1.0.01151.1	631	52268	0	400	403	99 +	229	631	43970	44372
UN60967	Rsa1.0.01080.1	746	54752	1.00E-74	158	163	96 +	582	744	52128	52290
UN60968	Rsa1.0.12096.1	711	5315	0	472	492	95 -	11	502	2161	2640
UN60969	Rsa1.0.00473.1	114	212204	1.00E-41	104	110	94 -	5	114	44323	44432
UN60970	Rsa1.0.01827.1	734	143321	0	514	515	99 -	8	522	114721	115235
UN60971	Rsa1.0.04462.1	322	17250	5.00E-93	266	293	90 +	36	321	4739	5030
UN60972	Rsa1.0.00008.1	741	358124	0	728	730	99 -	1	730	194203	194932
UN60973	Rsa1.0.05081.1	660	136103	1.00E-110	251	262	95 +	1	258	7835	8095
UN60974	Rsa1.0.61631.1	182	372	9.00E-75	172	182	94 +	1	182	61	242
UN60975	Rsa1.0.00604.1	603	146282	1.00E-164	299	301	99 -	3	303	20840	21140
UN60976	Rsa1.0.00423.1	270	86138	2.00E-61	209	233	89 +	3	234	10890	11115
UN60977	Rsa1.0.65917.1	117	348	7.00E-25	64	66	96 -	1	66	224	289
UN60978	Rsa1.0.00006.1	416	396176	0	357	363	98 -	1	363	223817	224175
UN60979	Rsa1.0.00253.1	710	231292	0	456	465	98 +	4	468	6305	6768
UN60980	Rsa1.0.02506.1	765	30700	0	358	359	99 +	407	765	6452	6810
UN60981	Rsa1.0.00090.1	570	273859	1.00E-170	355	370	95 -	3	370	141630	141998
UN60982	Rsa1.0.03781.1	483	20891	0	433	456	94 +	1	451	5114	5562
UN60983	Rsa1.0.02389.1	129	146428	1.00E-45	120	129	93 -	1	129	139090	139218
UN60984	Rsa1.0.00751.1	426	65759	3.00E-70	315	371	84 -	1	360	40309	40647
UN60985	Rsa1.0.05384.1	837	13960	0	566	581	97 +	9	587	1089	1669
UN60986	Rsa1.0.02458.1	129	31197	6.00E-44	102	106	96 +	8	113	8746	8851
UN60987	Rsa1.0.00922.1	805	59588	0	664	671	98 +	1	666	51069	51739
UN60988	Rsa1.0.00001.1	190	363028	2.00E-42	161	187	86 -	5	190	93928	94100
UN60989	Rsa1.0.02411.1	221	31655	4.00E-77	200	219	91 -	3	221	6231	6441
UN60990	Rsa1.0.04483.1	703	17174	0	446	450	99 -	1	450	15244	15693
UN60991	Rsa1.0.05573.1	745	13290	0	547	568	96 -	6	567	4031	4593
UN60992	Rsa1.0.01540.1	592	151890	0	465	494	94 -	6	486	111905	112397
UN60993	Rsa1.0.00383.1	805	398431	0	784	802	97 -	1	799	21742	22541
UN60994	Rsa1.0.00889.1	414	60978	1.00E-54	142	153	92 +	179	331	16428	16580

UN60995	Rsa1.0_00905.1	849	60110	0	652	675	96 +	161	829	44042	44713
UN60996	Rsa1.0_03072.1	249	25577	5.00E-86	164	165	99 -	2	166	15119	15283
UN60997	Rsa1.0_01642.1	382	41772	0	374	384	97 -	1	382	15067	15450
UN60998	Rsa1.0_00992.1	774	57419	0	743	780	95 -	3	774	13277	14042
UN60999	Rsa1.0_00722.1	645	66840	1.00E-166	348	365	95 +	1	361	58800	59164
UN61000	Rsa1.0_01480.1	598	44926	1.00E-82	259	282	91 +	1	277	25819	26094
UN61001	Rsa1.0_00028.1	460	293984	0	445	465	95 +	1	460	149867	150331
UN61002	Rsa1.0_01895.1	267	37512	6.00E-46	97	98	98 -	158	255	34125	34222
UN61003	Rsa1.0_00025.1	520	277312	0	516	519	99 -	3	520	45087	45605
UN61004	Rsa1.0_00625.1	752	71672	1.00E-149	312	323	96 +	1	323	30706	31024
UN61005	Rsa1.0_03166.1	745	24863	2.33E-156	341	366	93 -	1	355	19446	19810
UN61006	Rsa1.0_00002.1	688	601661	0	439	457	96 +	12	468	124235	124691
UN61007	Rsa1.0_10640.1	131	5772	1.00E-32	71	71	100 -	1	71	1844	1914
UN61008	Rsa1.0_13353.1	568	4894	1.00E-143	321	343	93 -	98	440	2419	2753
UN61009	Rsa1.0_12539.1	762	5198	0	388	389	99 +	374	762	1	389
UN61010	Rsa1.0_02478.1	666	150183	9.00E-81	159	161	98 +	1	161	148355	148515
UN61011	Rsa1.0_00104.1	718	368722	0	586	619	94 -	2	619	201224	201824
UN61012	Rsa1.0_00001.1	421	363028	1.00E-124	238	242	98 -	1	242	93769	94010
UN61013	Rsa1.0_01565.1	613	155447	1.00E-134	328	351	93 +	1	346	10737	11083
UN61014	Rsa1.0_11581.1	689	5466	0	452	454	99 +	143	595	557	1010
UN61015	Rsa1.0_00882.1	641	61249	1.00E-143	335	358	93 -	1	352	56311	56667
UN61016	#	#	#	#	#	#	#	#	#	#	#
UN61017	Rsa1.0_00095.1	152	283384	1.00E-33	94	100	94 +	53	152	74541	74638
UN61018	Rsa1.0_07925.1	482	8245	1.00E-150	338	355	95 -	1	351	79	424
UN61019	Rsa1.0_02222.1	160	152798	5.00E-45	134	148	90 +	1	148	4969	5116
UN61020	Rsa1.0_04085.1	513	19168	1.00E-174	333	341	97 +	9	349	300	640
UN61021	Rsa1.0_31244.1	553	732	6.00E-94	175	175	100 -	379	553	558	732
UN61022	Rsa1.0_00041.1	766	186197	1.00E-129	423	484	87 -	1	454	148191	148665
UN61023	Rsa1.0_00514.1	476	78421	1.00E-145	309	323	95 -	3	318	64028	64349
UN61024	Rsa1.0_00855.1	775	62047	0	706	706	100 -	70	775	61342	62047
UN61025	Rsa1.0_01344.1	732	142535	0	429	442	97 +	18	454	109904	110344
UN61026	Rsa1.0_02084.1	753	35205	0	374	376	99 -	4	379	3988	4363
UN61027	Rsa1.0_00056.1	414	332604	1.00E-170	375	399	93 +	16	414	84753	85151
UN61028	Rsa1.0_08811.1	631	6904	1.00E-121	260	272	95 -	1	272	5210	5479
UN61029	Rsa1.0_01018.1	747	56685	0	735	747	98 -	3	747	24840	25585
UN61030	Rsa1.0_03484.1	654	22618	1.00E-112	212	214	99 +	195	408	5281	5494
UN61031	Rsa1.0_02397.1	761	31778	0	532	535	99 -	2	536	22096	22630
UN61032	Rsa1.0_02688.1	346	28644	1.00E-152	299	308	97 +	1	308	9643	9950
UN61033	Rsa1.0_00384.1	840	89278	1.00E-133	352	384	91 -	97	473	49264	49644

UN61034	Rsa1.0.03452.1	626	22817	0	626	627	99 -	1	626	18465	19091
UN61035	Rsa1.0.00293.1	808	339294	0	781	789	98 -	1	785	177591	178379
UN61036	Rsa1.0.00206.1	649	109040	0	643	649	99 +	1	649	17860	18508
UN61037	Rsa1.0.02859.1	444	162118	3.00E-67	194	214	90 -	21	225	144252	144463
UN61038	Rsa1.0.00281.1	655	99908	0	512	531	96 -	46	572	49992	50522
UN61039	Rsa1.0.03521.1	531	396204	1.00E-125	305	324	94 -	152	469	136464	136784
UN61040	Rsa1.0.03249.1	706	146254	0	452	464	97 +	1	462	141663	142124
UN61041	Rsa1.0.01204.1	750	50843	1.00E-131	257	261	98 -	1	259	27061	27321
UN61042	Rsa1.0.00203.1	677	109129	0	545	564	96 -	114	677	36863	37423
UN61043	Rsa1.0.02241.1	847	33520	0	490	500	98 +	342	838	20022	20521
UN61044	Rsa1.0.00090.1	831	273859	0	538	540	99 +	294	831	8070	8609
UN61045	Rsa1.0.01332.1	695	47936	0	491	494	99 +	1	493	28130	28623
UN61046	Rsa1.0.15161.1	658	2788	1.00E-110	220	226	97 -	2	227	1342	1567
UN61047	Rsa1.0.02316.1	458	32608	0	439	455	96 +	1	455	6004	6458
UN61048	Rsa1.0.00363.1	475	90968	0	472	475	99 +	1	475	67264	67738
UN61049	Rsa1.0.00401.1	136	244410	2.00E-47	124	132	93 -	2	133	243141	243271
UN61050	Rsa1.0.00847.1	130	62270	2.00E-41	119	130	91 -	1	130	55297	55426
UN61051	Rsa1.0.00622.1	758	71822	0	658	696	94 +	65	758	12077	12755
UN61052	#	#	#	#	#	#	#	#	#	#	#
UN61053	Rsa1.0.01336.1	781	47853	0	449	463	96 -	1	463	10463	10925
UN61054	Rsa1.0.16249.1	423	2227	4.00E-54	117	120	97 +	256	375	481	600
UN61055	Rsa1.0.01865.1	511	37992	4.00E-67	133	134	99 -	182	315	33190	33323
UN61056	Rsa1.0.01491.1	109	44718	2.00E-21	94	108	87 +	2	109	33557	33664
UN61057	Rsa1.0.01634.1	730	41865	1.00E-128	236	237	99 -	1	237	25008	25244
UN61058	Rsa1.0.01027.1	461	56402	1.00E-123	263	276	95 +	121	396	39744	40019
UN61059	Rsa1.0.01536.1	162	43747	2.00E-72	156	162	96 -	1	162	28610	28771
UN61060	Rsa1.0.04333.1	391	17865	1.00E-78	178	185	96 +	4	187	6723	6906
UN61061	Rsa1.0.00306.1	714	146760	2.00E-79	157	159	98 -	1	159	116154	116312
UN61062	Rsa1.0.00049.1	736	167018	0	491	523	93 -	1	523	134071	134579
UN61063	Rsa1.0.00184.1	765	218748	0	750	767	97 +	1	765	16544	17306
UN61064	Rsa1.0.00797.1	127	63959	9.00E-34	118	130	90 -	1	127	11925	12051
UN61065	Rsa1.0.00005.1	634	353093	1.00E-129	273	286	95 -	1	286	334794	335068
UN61066	Rsa1.0.04043.1	763	19416	1.00E-160	329	340	96 +	7	345	4203	4537
UN61067	Rsa1.0.00617.1	784	72199	0	754	759	99 -	1	759	64040	64798
UN61068	Rsa1.0.09730.1	411	6184	0	411	411	100 +	1	411	1489	1899
UN61069	Rsa1.0.00782.1	551	64468	1.00E-122	305	330	92 -	2	330	55933	56261
UN61070	Rsa1.0.01439.1	770	45841	1.00E-168	358	380	94 +	1	378	42587	42951
UN61071	Rsa1.0.00959.1	705	58202	0	422	423	99 +	1	423	11099	11521
UN61072	Rsa1.0.00502.1	739	204180	1.00E-144	314	329	95 -	2	324	54694	55022

UN61073	Rsa1.0_00394.1	746	148426	1.00E-161	361	383	94 -	5	383	97923	98296
UN61074	Rsa1.0_02411.1	122	31655	2.00E-25	71	75	94 -	1	75	5948	6022
UN61075	Rsa1.0_03388.1	303	23277	1.00E-154	293	296	98 +	1	296	3675	3968
UN61076	Rsa1.0_28381.1	747	817	1.00E-46	129	140	92 +	413	552	141	280
UN61077	Rsa1.0_00172.1	761	115476	0	761	761	100 +	1	761	85232	85992
UN61078	Rsa1.0_00720.1	557	66931	1.00E-129	249	254	98 -	1	254	35589	35842
UN61079	Rsa1.0_00544.1	127	76787	3.00E-58	126	129	97 +	1	127	8476	8604
UN61080	Rsa1.0_00975.1	134	57865	2.00E-47	114	120	95 -	2	121	55909	56028
UN61081	Rsa1.0_00779.1	733	64568	0	697	736	94 -	1	733	26259	26987
UN61082	Rsa1.0_16435.1	467	2156	1.00E-103	199	202	98 -	1	202	1198	1399
UN61083	Rsa1.0_01592.1	123	42685	1.00E-23	59	60	98 -	28	87	26748	26807
UN61084	Rsa1.0_07055.1	671	9970	0	390	400	97 -	1	397	2701	3100
UN61085	Rsa1.0_00015.1	723	561803	7.00E-94	232	251	92 -	132	382	217939	218189
UN61086	Rsa1.0_00065.1	781	454616	0	760	776	97 +	5	780	132991	133765
UN61087	Rsa1.0_00223.1	809	106231	0	777	814	95 +	1	806	78186	78991
UN61088	Rsa1.0_01316.1	782	48325	0	775	777	99 +	2	777	34271	35047
UN61089	Rsa1.0_07604.1	344	9041	1.00E-176	336	344	97 +	1	344	3101	3444
UN61090	Rsa1.0_00342.1	808	93695	0	394	405	97 -	401	805	16637	17038
UN61091	Rsa1.0_01091.1	115	54383	2.00E-43	104	109	95 -	4	112	21708	21816
UN61092	Rsa1.0_17349.1	526	1853	1.00E-105	276	299	92 +	2	289	1556	1853
UN61093	Rsa1.0_04194.1	628	132734	1.00E-147	285	292	97 +	277	568	131500	131791
UN61094	Rsa1.0_00381.1	728	89718	0	351	351	100 +	1	351	82899	83249
UN61095	Rsa1.0_04124.1	793	18945	1.00E-159	309	315	98 +	2	312	6592	6906
UN61096	Rsa1.0_00551.1	569	76227	0	539	539	100 -	3	541	29432	29970
UN61097	Rsa1.0_00512.1	718	200277	0	536	576	93 -	130	692	193063	193637
UN61098	Rsa1.0_03997.1	483	19652	5.00E-66	211	235	89 -	6	236	4171	4405
UN61099	Rsa1.0_01165.1	797	51898	0	794	795	99 +	3	797	50388	51181
UN61100	Rsa1.0_00890.1	526	323870	1.00E-100	191	193	98 -	1	193	306236	306428
UN61101	Rsa1.0_01576.1	289	42923	1.00E-116	232	239	97 -	1	239	22319	22557
UN61102	Rsa1.0_00632.1	690	183777	0	686	690	99 -	1	690	166877	167566
UN61103	Rsa1.0_03074.1	802	25568	1.00E-147	285	292	97 -	1	292	11533	11824
UN61104	Rsa1.0_04065.1	766	19275	1.00E-154	361	384	94 -	9	384	3173	3555
UN61105	Rsa1.0_00087.1	722	761073	1.00E-168	343	354	96 -	3	352	360585	360937
UN61106	Rsa1.0_03132.1	272	25142	1.00E-74	160	166	96 +	1	166	8368	8533
UN61107	Rsa1.0_00221.1	825	106972	1.00E-169	418	451	92 -	1	437	50385	50832
UN61108	Rsa1.0_00217.1	787	107079	1.00E-103	197	199	98 -	354	552	80990	81188
UN61109	Rsa1.0_08717.1	315	7008	1.00E-166	310	315	98 +	1	315	3493	3807
UN61110	Rsa1.0_00920.1	645	601703	0	630	657	95 -	1	645	296732	297388
UN61111	Rsa1.0_00097.1	739	138858	5.00E-95	177	177	100 +	1	177	96995	97171

UN61112	Rsa1.0_00102.1	694	135497	1.00E-123	242	248	97 -	1	248	51183	51430
UN61113	Rsa1.0_00212.1	286	108350	1.00E-102	249	269	92 -	18	286	46958	47226
UN61114	Rsa1.0_02079.1	787	35306	0	464	492	94 -	3	494	24546	25025
UN61115	Rsa1.0_02357.1	618	32220	1.00E-122	289	309	93 +	3	305	11474	11779
UN61116	Rsa1.0_00782.1	457	64468	1.00E-156	311	321	96 -	140	457	28281	28601
UN61117	Rsa1.0_01166.1	729	51877	0	722	730	98 +	1	729	6144	6872
UN61118	Rsa1.0_00461.1	377	82509	0	366	378	96 -	1	377	55061	55437
UN61119	Rsa1.0_05849.1	123	12425	2.00E-49	111	115	96 +	5	119	9517	9631
UN61120	Rsa1.0_03781.1	382	20891	1.00E-119	313	335	93 -	2	329	4225	4551
UN61121	Rsa1.0_01790.1	374	39248	1.00E-174	352	366	96 +	1	366	17157	17522
UN61122	Rsa1.0_04880.1	867	15612	0	699	734	95 +	2	728	534	1258
UN61123	Rsa1.0_04857.1	832	15703	0	832	834	99 -	1	832	10955	11788
UN61124	Rsa1.0_01207.1	384	141053	1.00E-153	319	334	95 +	3	331	131253	131586
UN61125	Rsa1.0_00025.1	686	277312	0	510	515	99 +	1	515	252435	252948
UN61126	Rsa1.0_00088.1	783	141341	1.00E-141	254	254	100 +	1	254	96279	96532
UN61127	Rsa1.0_00017.1	844	752458	0	602	616	97 -	230	844	361144	361750
UN61128	#	#	#	#	#	#	#	#	#	#	#
UN61129	Rsa1.0_00589.1	507	209965	0	412	433	95 -	51	483	152952	153380
UN61130	Rsa1.0_02200.1	535	33981	1.00E-144	311	328	94 -	1	323	10438	10765
UN61131	Rsa1.0_00271.1	217	101125	5.00E-49	118	123	95 +	8	129	36543	36665
UN61132	Rsa1.0_02392.1	101	152517	1.00E-29	91	98	92 -	5	101	30307	30404
UN61133	Rsa1.0_01480.1	300	44926	7.00E-92	192	199	96 +	5	203	25898	26096
UN61134	Rsa1.0_01719.1	231	40388	3.00E-69	180	192	93 +	1	190	27275	27464
UN61135	Rsa1.0_00007.1	494	239325	2.00E-72	291	341	85 +	38	375	113866	114206
UN61136	Rsa1.0_00915.1	779	194446	0	673	681	98 -	35	714	25647	26327
UN61137	Rsa1.0_01732.1	808	40194	0	487	492	98 -	2	493	31382	31873
UN61138	Rsa1.0_00116.1	511	365886	1.00E-107	235	245	95 -	1	244	36206	36449
UN61139	Rsa1.0_00072.1	758	148743	0	633	650	97 -	62	710	65398	66047
UN61140	Rsa1.0_45149.1	792	499	0	499	499	100 -	54	552	1	499
UN61141	Rsa1.0_03754.1	768	21005	0	346	347	99 +	1	347	6399	6745
UN61142	Rsa1.0_05473.1	272	13628	3.00E-72	171	182	93 -	1	182	11693	11874
UN61143	Rsa1.0_00052.1	583	162771	1.00E-107	249	265	93 +	13	275	52254	52518
UN61144	Rsa1.0_00323.1	780	159650	1.00E-113	357	406	87 -	26	409	43841	44246
UN61145	Rsa1.0_02057.1	395	35540	1.00E-121	356	402	88 -	12	395	22962	23358
UN61146	#	#	#	#	#	#	#	#	#	#	#
UN61147	Rsa1.0_00198.1	107	222963	2.00E-37	100	107	93 +	1	107	171485	171591
UN61148	Rsa1.0_41755.1	890	538	3.00E-72	171	179	95 -	190	366	360	538
UN61149	Rsa1.0_00065.1	527	454616	1.00E-45	94	94	100 -	170	263	194572	194665
UN61150	Rsa1.0_05956.1	749	12111	2.00E-97	203	208	97 -	545	749	3273	3480

UN61151	Rsa1.0_09069.1	319	6671	1.00E-156	311	319	97 +	1	319	2868	3184
UN61152	Rsa1.0_02953.1	228	26487	2.00E-27	121	139	87 +	10	147	18665	18803
UN61153	Rsa1.0_00080.1	479	190437	0	458	475	96 -	5	479	81448	81919
UN61154	Rsa1.0_00802.1	516	63846	0	513	516	99 +	1	516	40789	41302
UN61155	Rsa1.0_01857.1	429	38103	0	408	435	93 -	4	429	2912	3346
UN61156	Rsa1.0_05622.1	580	13145	1.00E-169	311	314	99 -	1	314	8790	9103
UN61157	Rsa1.0_00165.1	257	116466	2.00E-76	166	173	95 +	84	256	26984	27156
UN61158	Rsa1.0_00205.1	139	193401	3.00E-61	134	139	96 -	1	139	112462	112600
UN61159	Rsa1.0_01567.1	362	43090	0	353	362	97 +	1	362	19941	20302
UN61160	Rsa1.0_00092.1	142	659932	8.00E-56	134	142	94 +	1	142	175751	175892
UN61161	Rsa1.0_01971.1	848	36641	0	504	525	96 -	326	846	19990	20514
UN61162	Rsa1.0_03185.1	210	24739	5.00E-27	77	82	93 +	129	210	3733	3814
UN61163	Rsa1.0_00165.1	726	116466	0	543	566	95 -	163	726	2487	3049
UN61164	Rsa1.0_01274.1	770	49419	1.00E-101	204	210	97 +	1	204	26518	26727
UN61165	Rsa1.0_01920.1	555	158533	9.00E-96	269	297	90 -	243	539	151926	152219
UN61166	Rsa1.0_00008.1	679	358124	0	634	679	93 -	1	676	12064	12717
UN61167	Rsa1.0_00153.1	221	192931	3.00E-35	94	100	94 -	14	113	168501	168600
UN61168	Rsa1.0_00005.1	827	353093	1.00E-123	299	328	91 +	4	313	122040	122367
UN61169	Rsa1.0_00049.1	586	167018	0	570	593	96 +	1	586	7069	7660
UN61170	Rsa1.0_02695.1	623	28605	0	439	459	95 +	165	623	7947	8402
UN61171	Rsa1.0_05429.1	719	13781	1.00E-174	332	337	98 -	34	368	12232	12568
UN61172	Rsa1.0_00632.1	723	183777	0	526	530	99 -	1	528	161405	161934
UN61173	Rsa1.0_23784.1	558	1025	0	555	558	99 -	1	558	333	890
UN61174	Rsa1.0_02924.1	328	26736	1.00E-178	325	328	99 -	1	328	9089	9416
UN61175	Rsa1.0_00464.1	692	82253	1.00E-52	133	142	93 -	153	294	60279	60420
UN61176	Rsa1.0_00873.1	614	61459	0	458	485	94 -	23	507	46323	46802
UN61177	Rsa1.0_00725.1	698	66757	5.00E-58	124	127	97 -	422	548	44602	44728
UN61178	Rsa1.0_00485.1	761	80937	1.00E-159	316	324	97 +	2	324	71021	71343
UN61179	Rsa1.0_00003.1	708	340054	0	707	708	99 +	1	708	53832	54539
UN61180	Rsa1.0_03346.1	217	23589	1.00E-104	210	215	97 -	1	214	10818	11032
UN61181	Rsa1.0_01340.1	518	47805	0	505	518	97 +	1	518	24173	24687
UN61182	Rsa1.0_07973.1	654	8149	0	582	614	94 -	1	609	7285	7889
UN61183	Rsa1.0_00812.1	674	63233	1.00E-165	341	358	95 -	293	641	13929	14286
UN61184	Rsa1.0_02381.1	798	31972	6.00E-73	247	282	87 +	392	661	17365	17645
UN61185	Rsa1.0_00002.1	745	601661	2.00E-57	293	352	83 +	394	745	538878	539226
UN61186	Rsa1.0_02200.1	571	33981	1.00E-177	338	345	97 -	2	344	15144	15488
UN61187	Rsa1.0_01519.1	561	44144	0	552	561	98 -	1	561	37613	38173
UN61188	Rsa1.0_00628.1	674	214360	1.00E-165	303	306	99 +	369	674	185087	185392
UN61189	Rsa1.0_04557.1	785	145048	0	432	457	94 +	1	455	135292	135731

UN61190	Rsa1.0.00991.1	770	143101	0	577	623	92 -	4	599	29619	30240
UN61191	Rsa1.0.00708.1	603	67366	0	441	465	94 -	12	473	63092	63551
UN61192	Rsa1.0.01696.1	761	301850	0	735	744	98 -	18	761	144528	145271
UN61193	Rsa1.0.11955.1	464	5361	1.00E-106	207	211	98 -	223	433	1069	1279
UN61194	Rsa1.0.00482.1	758	81162	0	758	759	99 -	1	758	20069	20827
UN61195	Rsa1.0.00601.1	717	177045	0	414	416	99 +	302	717	135013	135428
UN61196	Rsa1.0.01015.1	330	56752	3.00E-76	184	194	94 +	1	193	10119	10307
UN61197	Rsa1.0.05533.1	684	13402	0	501	520	96 -	1	514	11345	11863
UN61198	Rsa1.0.00719.1	168	66952	1.00E-73	161	168	95 -	1	168	25736	25903
UN61199	Rsa1.0.06900.1	294	131268	1.00E-62	146	154	94 +	1	154	130101	130254
UN61200	Rsa1.0.11946.1	758	5364	1.00E-162	352	367	95 -	1	364	6	368
UN61201	Rsa1.0.01803.1	818	173846	1.00E-55	142	152	93 +	209	356	19794	19945
UN61202	Rsa1.0.02414.1	570	31625	0	481	493	97 +	1	492	29334	29824
UN61203	Rsa1.0.05636.1	744	13111	0	437	446	97 -	59	498	1103	1548
UN61204	Rsa1.0.06604.1	718	10681	1.00E-174	338	345	97 +	1	344	8388	8730
UN61205	Rsa1.0.00015.1	465	561803	0	428	450	95 +	1	448	171291	171737
UN61206	Rsa1.0.03185.1	693	24739	1.00E-151	315	327	96 -	1	326	3304	3629
UN61207	Rsa1.0.20735.1	132	1275	1.00E-32	81	83	97 +	50	132	142	223
UN61208	Rsa1.0.05159.1	737	14642	0	453	463	97 -	3	465	8745	9202
UN61209	Rsa1.0.00008.1	228	358124	3.00E-35	174	202	86 +	30	228	66022	66220
UN61210	Rsa1.0.01805.1	217	39024	1.00E-43	193	221	87 -	1	217	28933	29146
UN61211	Rsa1.0.00250.1	319	273771	1.00E-179	317	317	100 -	3	319	212384	212700
UN61212	Rsa1.0.13786.1	321	4339	8.00E-98	193	197	97 -	2	198	1	197
UN61213	Rsa1.0.01081.1	710	499226	1.00E-178	374	390	95 +	3	386	318641	319030
UN61214	Rsa1.0.00019.1	670	301669	0	669	671	99 -	1	670	173622	174292
UN61215	Rsa1.0.00417.1	776	395068	1.00E-120	271	285	95 -	4	282	223890	224174
UN61216	Rsa1.0.01529.1	392	43871	2.00E-74	142	142	100 -	170	311	34058	34199
UN61217	Rsa1.0.00083.1	658	442773	1.00E-155	314	325	96 +	335	658	382574	382898
UN61218	Rsa1.0.02901.1	671	26909	1.00E-118	230	235	97 -	437	671	12403	12637
UN61219	Rsa1.0.00196.1	665	109960	1.00E-92	193	199	96 +	155	353	72042	72237
UN61220	Rsa1.0.00018.1	719	410899	1.00E-106	217	224	96 +	91	310	70285	70508
UN61221	Rsa1.0.00099.1	798	159619	0	762	781	97 +	2	775	127202	127981
UN61222	Rsa1.0.00064.1	185	240927	3.00E-74	179	185	96 +	6	185	28838	29022
UN61223	Rsa1.0.09261.1	684	6521	0	639	683	93 -	1	675	63	744
UN61224	Rsa1.0.00696.1	595	68010	0	587	595	98 +	1	595	9414	10008
UN61225	Rsa1.0.00277.1	716	100132	1.00E-117	258	271	95 -	445	714	88459	88725
UN61226	Rsa1.0.18738.1	503	1544	1.00E-153	305	315	96 -	128	442	1	315
UN61227	Rsa1.0.00709.1	751	67329	0	719	751	95 -	2	751	31970	32720
UN61228	Rsa1.0.01329.1	723	47982	0	715	720	99 -	5	723	30554	31271

UN61229	Rsa1.0.00533.1	628	77375	1.00E-113	208	208	100 -	3	210	55493	55700
UN61230	Rsa1.0.02237.1	779	33544	0	582	590	98 -	2	591	21052	21641
UN61231	Rsa1.0.00515.1	741	78417	0	553	617	89 +	125	741	16118	16734
UN61232	Rsa1.0.00758.1	429	65477	0	354	355	99 -	75	429	36596	36950
UN61233	Rsa1.0.02675.1	526	28852	2.00E-72	142	143	99 -	148	290	17929	18071
UN61234	Rsa1.0.00101.1	753	267193	1.00E-131	252	257	98 -	108	364	121172	121428
UN61235	Rsa1.0.02360.1	692	32203	0	335	338	99 -	190	527	14177	14514
UN61236	Rsa1.0.08927.1	473	6782	2.33E-156	327	342	95 +	132	473	77	413
UN61237	Rsa1.0.08242.1	702	7667	0	572	633	90 +	35	650	1061	1684
UN61238	Rsa1.0.00737.1	696	66432	0	362	370	97 +	328	696	2636	3005
UN61239	Rsa1.0.01078.1	733	316910	0	570	603	94 +	3	598	131615	132217
UN61240	Rsa1.0.75906.1	428	302	1.00E-161	297	300	99 +	118	417	3	302
UN61241	Rsa1.0.01208.1	652	50718	0	497	547	90 -	1	538	9393	9935
UN61242	Rsa1.0.04415.1	739	147889	0	605	632	95 -	3	625	138725	139353
UN61243	Rsa1.0.00241.1	501	104000	1.00E-63	124	124	100 +	165	288	34619	34742
UN61244	Rsa1.0.04103.1	283	19048	1.00E-126	275	287	95 +	1	283	14018	14304
UN61245	Rsa1.0.00576.1	672	178949	2.33E-156	268	270	99 +	403	672	160143	160412
UN61246	Rsa1.0.06010.1	740	11944	0	591	669	88 +	4	672	4866	5534
UN61247	Rsa1.0.00114.1	685	131330	0	374	375	99 +	169	543	117141	117515
UN61248	Rsa1.0.02969.1	701	26390	0	354	356	99 -	4	359	7245	7600
UN61249	Rsa1.0.49549.1	366	458	9.00E-55	109	109	100 +	258	366	75	183
UN61250	Rsa1.0.01864.1	524	37998	0	415	416	99 -	91	506	36817	37232
UN61251	Rsa1.0.03325.1	396	23720	1.00E-149	312	324	96 -	74	395	14655	14978
UN61252	Rsa1.0.03260.1	792	24284	0	775	789	98 -	2	783	16915	17703
UN61253	Rsa1.0.00977.1	630	198001	5.00E-73	140	140	100 -	304	443	2552	2691
UN61254	Rsa1.0.05574.1	694	13290	1.00E-21	84	93	90 -	530	620	3818	3910
UN61255	Rsa1.0.00081.1	656	143261	1.00E-108	233	243	95 -	395	637	130155	130396
UN61256	Rsa1.0.00185.1	673	248445	1.00E-113	210	211	99 -	125	335	171501	171711
UN61257	Rsa1.0.00250.1	734	273771	1.00E-172	390	414	94 -	2	412	257782	258184
UN61258	Rsa1.0.03826.1	708	20614	1.00E-120	250	259	96 +	1	259	13356	13607
UN61259	Rsa1.0.02097.1	385	35036	1.00E-112	239	250	95 +	73	322	7689	7938
UN61260	Rsa1.0.25909.1	718	914	8.00E-66	128	128	100 +	76	203	485	612
UN61261	Rsa1.0.00539.1	750	76926	0	503	507	99 -	2	507	57741	58246
UN61262	Rsa1.0.00418.1	615	215377	1.00E-173	323	328	98 +	10	337	215050	215377
UN61263	Rsa1.0.06071.1	544	11813	0	540	541	99 +	4	544	6536	7076
UN61264	Rsa1.0.06047.1	350	11854	1.00E-149	297	307	96 -	10	316	6559	6865
UN61265	Rsa1.0.02125.1	398	34775	1.00E-111	235	243	96 +	157	398	22292	22532
UN61266	Rsa1.0.00907.1	710	60062	0	616	635	97 +	3	633	54598	55232
UN61267	Rsa1.0.01439.1	270	45841	1.00E-144	267	270	98 +	1	270	40523	40792

UN61268	Rsa1.0.03602.1	809	21847	1.00E-170	303	303	100 -	313	615	9409	9711
UN61269	Rsa1.0.00722.1	624	66840	0	486	504	96 -	9	512	51177	51680
UN61270	Rsa1.0.13896.1	651	4134	0	613	631	97 +	21	651	1	630
UN61271	Rsa1.0.05544.1	817	13381	1.00E-140	287	296	96 -	376	669	7514	7809
UN61272	Rsa1.0.00280.1	777	99966	7.00E-79	160	162	98 -	3	163	14592	14753
UN61273	Rsa1.0.00243.1	795	103651	1.00E-139	260	263	98 +	355	617	24613	24875
UN61274	Rsa1.0.00833.1	404	62621	0	378	393	96 -	1	393	33090	33481
UN61275	Rsa1.0.00476.1	602	280966	1.00E-126	252	259	97 +	3	258	21243	21501
UN61276	Rsa1.0.00438.1	766	84861	1.00E-147	289	297	97 -	245	541	16571	16867
UN61277	Rsa1.0.09211.1	529	6556	8.00E-87	166	167	99 -	172	338	4351	4517
UN61278	Rsa1.0.00488.1	681	80490	2.00E-81	154	154	100 -	413	566	77670	77823
UN61279	Rsa1.0.00025.1	754	277312	1.00E-175	315	316	99 +	219	534	225933	226248
UN61280	Rsa1.0.00448.1	696	84048	0	648	668	97 -	5	666	492	1151
UN61281	Rsa1.0.00028.1	713	293984	2.00E-66	129	129	100 -	402	530	22905	23033
UN61282	Rsa1.0.01456.1	769	45372	0	744	749	99 -	2	750	21422	22169
UN61283	Rsa1.0.04445.1	137	17319	8.00E-22	100	113	88 +	8	118	506	618
UN61284	Rsa1.0.00100.1	657	249232	0	633	654	96 -	4	657	31430	32083
UN61285	Rsa1.0.07413.1	752	9438	0	377	380	99 -	374	752	988	1367
UN61286	Rsa1.0.00355.1	684	92038	0	516	564	91 -	128	682	77886	78429
UN61287	Rsa1.0.02962.1	702	26419	0	424	429	98 +	272	700	9363	9791
UN61288	Rsa1.0.00864.1	690	61702	1.00E-104	208	213	97 -	61	273	9748	9960
UN61289	Rsa1.0.00958.1	724	58243	0	358	361	99 -	140	500	29100	29460
UN61290	Rsa1.0.00421.1	691	86365	1.00E-100	209	217	96 +	260	476	67757	67973
UN61291	Rsa1.0.05559.1	608	13329	0	385	387	99 +	222	608	1716	2102
UN61292	Rsa1.0.00033.1	680	515811	0	529	589	89 -	1	583	18285	18844
UN61293	Rsa1.0.00341.1	698	249309	1.00E-137	356	394	90 +	317	689	68303	68696
UN61294	Rsa1.0.00423.1	555	86138	0	465	466	99 -	90	555	23288	23753
UN61295	Rsa1.0.00131.1	807	432233	1.00E-156	351	368	95 +	444	806	96212	96575
UN61296	Rsa1.0.01217.1	761	50554	2.33E-156	286	290	98 -	470	757	21170	21458
UN61297	Rsa1.0.02991.1	664	26178	0	638	674	94 -	2	664	20730	21390
UN61298	Rsa1.0.00062.1	775	299291	2.00E-72	500	608	82 +	46	647	37611	38211
UN61299	Rsa1.0.04260.1	683	18238	1.00E-100	196	198	98 +	383	579	1357	1554
UN61300	Rsa1.0.00657.1	391	69858	1.00E-173	310	311	99 +	81	391	9477	9787
UN61301	Rsa1.0.01440.1	788	45807	1.00E-89	168	168	100 -	370	537	1444	1611
UN61302	Rsa1.0.01216.1	580	50580	0	439	445	98 -	2	445	46257	46701
UN61303	Rsa1.0.18414.1	815	1603	0	683	742	92 +	5	745	464	1203
UN61304	Rsa1.0.02872.1	721	27080	0	493	498	98 -	226	721	23276	23773
UN61305	#	#	#	#	#	#	#	#	#	#	#
UN61306	Rsa1.0.00026.1	698	327835	6.00E-85	181	188	96 -	2	189	284442	284629

UN61307	Rsa1.0.05977.1	641	12056	0	366	367	99 -	3	369	5863	6229
UN61308	Rsa1.0.01026.1	666	171624	0	661	664	99 -	3	666	14383	15046
UN61309	Rsa1.0.00255.1	774	204967	0	409	427	95 -	3	428	178444	178870
UN61310	Rsa1.0.00903.1	830	60228	0	452	461	98 +	5	465	37466	37926
UN61311	Rsa1.0.00872.1	609	61495	0	367	376	97 +	234	609	18906	19276
UN61312	Rsa1.0.01400.1	671	46560	1.00E-162	317	326	97 +	198	523	24689	25014
UN61313	Rsa1.0.09006.1	820	6715	0	388	393	98 +	355	745	3234	3626
UN61314	Rsa1.0.05549.1	675	13366	1.00E-143	277	282	98 -	395	675	12796	13077
UN61315	Rsa1.0.00411.1	531	86944	6.00E-97	182	183	99 +	300	482	61796	61978
UN61316	Rsa1.0.00015.1	494	561803	0	493	494	99 -	1	494	40344	40837
UN61317	Rsa1.0.05574.1	780	13290	7.00E-48	185	214	86 -	328	541	3509	3722
UN61318	Rsa1.0.00743.1	448	177459	0	437	448	97 +	1	448	14732	15177
UN61319	Rsa1.0.00790.1	262	148693	5.00E-80	151	151	100 +	112	262	141939	142089
UN61320	Rsa1.0.06220.1	679	11459	0	638	642	99 -	2	643	1	642
UN61321	Rsa1.0.00486.1	677	80875	0	565	569	99 +	109	677	13777	14345
UN61322	Rsa1.0.00951.1	697	164588	1.00E-131	285	298	95 +	397	693	114506	114802
UN61323	Rsa1.0.05063.1	597	14951	0	478	483	98 -	104	586	13507	13989
UN61324	Rsa1.0.01848.1	619	38312	1.00E-134	242	242	100 +	378	619	2393	2634
UN61325	Rsa1.0.02346.1	583	32337	0	334	337	99 -	248	583	6774	7110
UN61326	Rsa1.0.00426.1	729	85668	1.00E-109	231	241	95 -	64	304	30922	31162
UN61327	Rsa1.0.10042.1	350	6027	1.00E-128	232	232	100 -	119	350	255	486
UN61328	Rsa1.0.02544.1	674	30290	0	673	675	99 -	1	674	4217	4891
UN61329	Rsa1.0.00180.1	530	114581	1.00E-102	192	193	99 -	338	530	20941	21133
UN61330	Rsa1.0.06976.1	604	10073	0	570	605	94 -	1	604	3018	3621
UN61331	Rsa1.0.01947.1	770	36977	0	554	558	99 +	214	770	11800	12357
UN61332	Rsa1.0.03694.1	677	21336	0	331	331	100 +	347	677	358	688
UN61333	Rsa1.0.03055.1	734	25730	0	409	418	97 +	315	726	1162	1579
UN61334	Rsa1.0.00191.1	817	316976	0	409	423	96 -	271	685	259269	259691
UN61335	Rsa1.0.00067.1	662	415055	2.00E-87	170	172	98 -	18	189	255703	255874
UN61336	Rsa1.0.17307.1	484	1864	0	481	483	99 -	2	484	1298	1779
UN61337	Rsa1.0.00214.1	769	107508	1.00E-175	447	492	90 +	274	765	55299	55790
UN61338	Rsa1.0.00318.1	638	96094	1.00E-174	312	313	99 +	256	568	85764	86076
UN61339	Rsa1.0.00018.1	797	410899	0	398	399	99 +	196	594	194358	194756
UN61340	Rsa1.0.00798.1	722	63945	1.00E-120	242	247	97 +	476	720	43753	43999
UN61341	Rsa1.0.00803.1	756	144228	0	519	537	96 +	209	737	51745	52281
UN61342	Rsa1.0.01338.1	253	155644	4.00E-65	154	164	93 -	3	166	154523	154679
UN61343	Rsa1.0.01182.1	763	167304	3.00E-81	163	166	98 -	62	227	157803	157968
UN61344	Rsa1.0.03279.1	798	24115	1.00E-159	334	341	97 -	458	791	14893	15233
UN61345	Rsa1.0.39408.1	762	571	0	457	463	98 -	2	459	87	549

UN61346	Rsa1.0.00018.1	758	410899	0	410	413	99 +	338	748	56058	56470
UN61347	Rsa1.0.02365.1	731	32118	1.00E-153	277	278	99 +	1	278	11143	11420
UN61348	Rsa1.0.00917.1	437	182012	1.00E-149	268	268	100 -	2	269	5819	6086
UN61349	Rsa1.0.00719.1	735	66952	1.00E-125	239	243	98 +	264	506	62444	62686
UN61350	Rsa1.0.00935.1	371	59079	1.00E-78	167	173	96 -	46	218	57646	57818
UN61351	Rsa1.0.06248.1	664	11394	0	338	339	99 -	11	349	5811	6149
UN61352	Rsa1.0.01721.1	725	40345	0	331	331	100 +	385	715	24212	24542
UN61353	Rsa1.0.03292.1	520	23977	0	405	422	95 +	2	421	11789	12208
UN61354	Rsa1.0.00699.1	496	184398	2.00E-72	151	155	97 +	157	311	10559	10713
UN61355	Rsa1.0.00661.1	736	213041	8.00E-60	121	122	99 -	13	134	56382	56503
UN61356	Rsa1.0.02667.1	695	28910	0	678	695	97 +	1	695	10155	10848
UN61357	Rsa1.0.01945.1	665	36989	0	488	513	95 +	156	665	4104	4607
UN61358	Rsa1.0.01184.1	800	51452	0	380	383	99 +	231	613	26949	27331
UN61359	Rsa1.0.10792.1	115	5719	3.00E-36	101	108	93 +	1	102	623	729
UN61360	Rsa1.0.00456.1	298	82826	1.00E-132	238	238	100 +	61	298	76458	76695
UN61361	Rsa1.0.05599.1	621	143653	1.00E-162	290	290	100 +	332	621	139259	139548
UN61362	Rsa1.0.16460.1	727	2148	0	621	637	97 -	92	727	1142	1778
UN61363	Rsa1.0.01662.1	372	41382	0	371	371	100 -	2	372	13143	13513
UN61364	Rsa1.0.00017.1	805	752458	6.00E-73	140	140	100 -	349	488	607111	607250
UN61365	Rsa1.0.00017.1	826	752458	0	379	381	99 -	5	385	237977	238357
UN61366	Rsa1.0.00653.1	741	70029	0	678	698	97 -	1	696	34651	35348
UN61367	Rsa1.0.00301.1	795	365315	1.00E-110	205	206	99 -	254	459	350507	350712
UN61368	Rsa1.0.02343.1	790	32374	1.00E-134	276	286	96 +	4	289	1020	1304
UN61369	Rsa1.0.00172.1	666	115476	1.00E-161	304	308	98 -	360	666	79	386
UN61370	Rsa1.0.00385.1	560	89160	0	541	559	96 -	2	560	21262	21814
UN61371	Rsa1.0.01613.1	816	182542	0	782	788	99 +	3	786	26138	26925
UN61372	Rsa1.0.02058.1	659	35532	2.33E-156	263	263	100 -	1	263	15951	16213
UN61373	Rsa1.0.00361.1	680	91181	0	470	478	98 +	204	680	47141	47618
UN61374	Rsa1.0.00971.1	803	57973	0	524	545	96 -	8	549	51430	51968
UN61375	Rsa1.0.00026.1	713	327835	0	499	522	95 -	192	713	27279	27800
UN61376	Rsa1.0.00182.1	286	142305	1.00E-141	277	285	97 -	2	286	113520	113804
UN61377	Rsa1.0.02428.1	681	31542	1.00E-141	354	387	91 -	2	371	15665	16049
UN61378	Rsa1.0.08312.1	347	7564	0	342	345	99 -	3	347	2690	3034
UN61379	Rsa1.0.11107.1	622	5613	4.00E-61	141	148	95 +	346	493	3024	3171
UN61380	Rsa1.0.00372.1	649	90418	0	636	654	97 +	4	649	18167	18820
UN61381	Rsa1.0.03976.1	475	19759	0	428	434	98 +	26	457	12217	12649
UN61382	Rsa1.0.02654.1	786	29028	0	404	407	99 +	3	409	20846	21250
UN61383	Rsa1.0.00568.1	709	75219	1.00E-141	261	262	99 +	209	469	24583	24844
UN61384	Rsa1.0.04426.1	722	17399	1.00E-98	189	191	98 +	45	235	4354	4544

UN61385	Rsa1.0_01256.1	648	49770	1.00E-141	261	263	99 -	50	312	6290	6552
UN61386	Rsa1.0_00121.1	746	278029	9.00E-66	134	136	98 +	43	178	84874	85009
UN61387	Rsa1.0_01130.1	776	52929	0	564	574	98 +	125	696	33329	33902
UN61388	Rsa1.0_00024.1	145	188018	6.00E-63	140	145	96 +	3	145	172275	172419
UN61389	Rsa1.0_00058.1	597	159921	0	499	509	98 -	88	596	49040	49546
UN61390	Rsa1.0_01759.1	655	39745	1.00E-104	202	205	98 -	12	216	12408	12612
UN61391	Rsa1.0_00002.1	745	601661	1.00E-165	324	334	97 -	3	336	558227	558560
UN61392	Rsa1.0_01210.1	712	50663	0	702	707	99 -	3	708	27782	28488
UN61393	Rsa1.0_00632.1	571	183777	1.00E-113	210	211	99 +	202	412	2417	2627
UN61394	Rsa1.0_00779.1	714	64568	1.00E-179	321	322	99 +	1	322	29029	29350
UN61395	Rsa1.0_00158.1	496	117999	4.00E-76	176	184	95 +	3	186	39942	40122
UN61396	Rsa1.0_06955.1	813	10111	1.00E-113	287	304	94 -	507	803	7927	8230
UN61397	Rsa1.0_01870.1	735	37919	2.00E-39	93	96	96 +	309	404	15662	15757
UN61398	Rsa1.0_00131.1	654	432233	1.00E-152	365	396	92 -	38	433	194264	194659
UN61399	Rsa1.0_01591.1	353	42718	1.00E-123	322	351	91 +	1	349	15026	15360
UN61400	Rsa1.0_04519.1	726	17004	0	724	728	99 +	1	726	4092	4819
UN61401	Rsa1.0_12206.1	659	5289	0	500	504	99 -	1	502	4768	5271
UN61402	Rsa1.0_07732.1	757	8695	0	545	545	100 +	197	741	663	1207
UN61403	Rsa1.0_00858.1	627	61892	0	594	627	94 +	2	623	20044	20657
UN61404	Rsa1.0_00285.1	636	149638	1.00E-113	229	236	97 -	280	515	148538	148773
UN61405	Rsa1.0_00123.1	762	325650	1.00E-83	276	317	87 -	5	318	220450	220754
UN61406	Rsa1.0_04812.1	732	15883	2.00E-91	177	179	98 +	35	213	10428	10606
UN61407	Rsa1.0_33663.1	636	673	0	531	547	97 -	2	548	1	547
UN61408	Rsa1.0_04067.1	811	19256	0	401	409	98 -	391	793	8026	8434
UN61409	Rsa1.0_00065.1	725	454616	1.00E-77	175	184	95 +	304	487	446607	446790
UN61410	Rsa1.0_03249.1	669	146254	0	432	440	98 -	232	669	22698	23137
UN61411	Rsa1.0_00017.1	598	752458	1.00E-119	241	248	97 +	81	328	715526	715770
UN61412	Rsa1.0_01975.1	390	36578	1.00E-103	236	251	94 -	140	390	21413	21663
UN61413	Rsa1.0_00028.1	706	293984	1.00E-109	259	273	94 -	434	697	282965	283237
UN61414	Rsa1.0_03156.1	733	24956	2.00E-85	164	165	99 -	54	218	4809	4973
UN61415	Rsa1.0_03304.1	682	23883	1.00E-177	336	343	97 -	2	344	9975	10317
UN61416	Rsa1.0_00026.1	694	327835	4.00E-92	197	204	96 -	492	694	242410	242613
UN61417	Rsa1.0_03352.1	756	23506	0	625	654	95 -	114	756	5515	6159
UN61418	Rsa1.0_00257.1	185	102407	8.00E-72	175	185	94 -	1	185	14727	14909
UN61419	Rsa1.0_05984.1	389	12031	1.00E-53	122	127	96 -	202	328	5720	5846
UN61420	Rsa1.0_00384.1	637	89278	1.00E-107	313	356	87 +	3	358	47250	47581
UN61421	Rsa1.0_01118.1	686	53460	1.00E-109	233	244	95 -	63	306	13629	13872
UN61422	Rsa1.0_18241.1	319	1639	1.00E-163	313	319	98 -	1	319	1033	1350
UN61423	Rsa1.0_03042.1	604	25803	1.00E-179	349	358	97 -	248	604	24892	25249

UN61424	Rsa1.0.06441.1	709	11009	0	653	659	99 +	50	705	2840	3498
UN61425	Rsa1.0.00417.1	721	395068	1.00E-156	279	279	100 +	2	280	246387	246665
UN61426	Rsa1.0.03073.1	637	25574	0	517	524	98 +	1	524	19307	19830
UN61427	Rsa1.0.00075.1	742	146680	1.00E-122	254	265	95 -	7	265	69234	69498
UN61428	Rsa1.0.02070.1	492	158516	0	468	497	94 -	2	490	13203	13698
UN61429	Rsa1.0.00087.1	645	761073	0	550	605	90 +	14	600	180807	181405
UN61430	Rsa1.0.00254.1	693	102600	1.00E-95	187	190	98 -	378	567	74957	75146
UN61431	Rsa1.0.12202.1	694	5290	0	664	706	94 +	2	694	214	917
UN61432	Rsa1.0.00041.1	611	186197	1.00E-110	217	222	97 -	210	431	134294	134515
UN61433	Rsa1.0.01339.1	768	47813	0	398	407	97 -	315	717	46352	46757
UN61434	Rsa1.0.02283.1	787	33024	1.00E-154	311	320	97 +	469	786	29757	30076
UN61435	Rsa1.0.06136.1	777	11659	0	685	739	92 -	3	722	3826	4556
UN61436	Rsa1.0.00088.1	605	141341	0	578	604	95 +	2	605	4700	5300
UN61437	Rsa1.0.00222.1	733	172263	1.00E-113	217	220	98 +	1	220	14273	14492
UN61438	Rsa1.0.08595.1	640	7147	0	612	639	95 -	3	640	4735	5372
UN61439	Rsa1.0.00122.1	427	265937	1.00E-131	267	277	96 -	148	424	252850	253126
UN61440	Rsa1.0.03168.1	648	24827	1.00E-155	351	368	95 +	116	478	18089	18454
UN61441	Rsa1.0.01148.1	657	52375	1.00E-112	221	226	97 +	224	449	32962	33187
UN61442	Rsa1.0.00994.1	585	165189	1.00E-155	284	285	99 -	302	585	39824	40108
UN61443	Rsa1.0.00466.1	711	82132	0	710	713	99 +	2	711	80146	80858
UN61444	Rsa1.0.00031.1	589	179862	0	588	589	99 -	1	589	127954	128542
UN61445	Rsa1.0.02173.1	618	34318	0	345	346	99 -	1	346	25807	26152
UN61446	Rsa1.0.02367.1	689	32106	0	468	489	95 -	201	689	11509	11995
UN61447	Rsa1.0.00778.1	711	196751	0	333	333	100 +	4	336	161709	162041
UN61448	Rsa1.0.01236.1	736	50156	2.00E-88	166	166	100 +	3	168	42382	42547
UN61449	Rsa1.0.08162.1	678	7813	0	676	678	99 +	2	678	6935	7612
UN61450	Rsa1.0.01971.1	684	36641	1.00E-101	234	250	93 -	17	255	29023	29272
UN61451	Rsa1.0.00980.1	730	57729	1.00E-106	232	244	95 +	79	322	44240	44483
UN61452	Rsa1.0.01112.1	508	310601	1.00E-179	373	390	95 -	1	388	7022	7402
UN61453	Rsa1.0.00196.1	758	109960	1.00E-176	400	428	93 +	4	425	10103	10529
UN61454	Rsa1.0.03224.1	692	24501	0	341	341	100 -	3	343	2512	2852
UN61455	Rsa1.0.01460.1	710	45255	0	694	712	97 -	2	704	33286	33995
UN61456	Rsa1.0.00069.1	667	403561	0	379	387	97 +	1	387	11906	12292
UN61457	Rsa1.0.00740.1	232	215972	6.00E-58	153	162	94 +	70	230	1797	1956
UN61458	Rsa1.0.01061.1	740	55349	1.00E-110	214	218	98 -	501	718	32804	33021
UN61459	Rsa1.0.00333.1	677	94500	0	420	421	99 +	258	677	34140	34560
UN61460	Rsa1.0.02325.1	618	160025	0	368	369	99 +	251	618	152161	152529
UN61461	Rsa1.0.01234.1	144	50183	4.00E-64	139	144	96 -	1	144	32409	32552
UN61462	Rsa1.0.01026.1	607	171624	0	498	528	94 -	83	589	160039	160566

UN61463	Rsa1.0.00002.1	679	601661	0	676	682	99 -	2	679	539559	540240
UN61464	Rsa1.0.01076.1	638	54835	0	351	352	99 -	88	439	2108	2459
UN61465	Rsa1.0.00066.1	688	152418	1.00E-121	262	272	96 -	209	477	16275	16545
UN61466	Rsa1.0.00673.1	710	69325	1.00E-98	273	298	91 -	416	710	57077	57372
UN61467	Rsa1.0.00926.1	641	195072	1.00E-156	285	287	99 +	355	641	32516	32802
UN61468	Rsa1.0.02020.1	602	173211	1.00E-120	222	223	99 +	3	225	142219	142441
UN61469	Rsa1.0.00025.1	679	277312	3.00E-74	151	154	98 +	148	301	58559	58712
UN61470	Rsa1.0.00949.1	695	58549	0	435	442	98 -	1	440	15936	16376
UN61471	Rsa1.0.00354.1	679	232005	0	630	631	99 -	2	631	27539	28169
UN61472	Rsa1.0.00485.1	657	80937	0	594	623	95 -	35	657	72945	73567
UN61473	Rsa1.0.08837.1	541	6874	3.00E-92	181	184	98 -	167	350	1685	1868
UN61474	Rsa1.0.00954.1	652	189536	0	630	651	96 -	3	652	170686	171336
UN61475	Rsa1.0.02246.1	809	33435	1.00E-105	194	194	100 +	267	460	23284	23477
UN61476	Rsa1.0.00221.1	780	106972	0	369	376	98 -	407	777	42134	42509
UN61477	Rsa1.0.06590.1	741	10706	0	526	548	95 -	82	625	2959	3506
UN61478	Rsa1.0.01247.1	743	49934	0	448	449	99 +	296	743	45105	45553
UN61479	Rsa1.0.01492.1	617	44704	1.00E-163	338	352	96 +	3	354	1053	1403
UN61480	Rsa1.0.00734.1	743	66508	1.00E-134	317	337	94 -	1	332	60946	61277
UN61481	Rsa1.0.00916.1	622	59789	1.00E-110	202	202	100 +	1	202	27586	27787
UN61482	Rsa1.0.01683.1	723	41059	0	347	353	98 +	155	507	23260	23612
UN61483	Rsa1.0.36482.1	644	618	0	405	408	99 -	1	408	93	500
UN61484	Rsa1.0.03356.1	770	23487	0	327	327	100 -	2	328	7373	7699
UN61485	Rsa1.0.05920.1	707	12239	2.00E-44	116	124	93 +	286	409	6934	7057
UN61486	Rsa1.0.05654.1	641	13042	0	611	639	95 -	3	641	8424	9044
UN61487	Rsa1.0.00485.1	793	80937	0	538	555	96 -	241	792	16722	17276
UN61488	Rsa1.0.00593.1	410	143463	0	405	410	98 -	1	410	41096	41505
UN61489	Rsa1.0.00101.1	579	267193	3.00E-80	258	292	88 -	275	566	4438	4708
UN61490	Rsa1.0.00145.1	684	261008	1.00E-110	246	258	95 +	53	308	54360	54617
UN61491	Rsa1.0.01777.1	535	39511	3.00E-71	236	267	88 +	284	531	20986	21252
UN61492	Rsa1.0.00402.1	653	385315	0	443	458	96 +	197	653	232161	232613
UN61493	Rsa1.0.03354.1	640	23491	0	508	520	97 +	6	525	11869	12388
UN61494	Rsa1.0.00743.1	776	177459	0	415	424	97 +	3	423	173907	174330
UN61495	Rsa1.0.00492.1	768	80178	0	752	771	97 -	2	768	59110	59880
UN61496	Rsa1.0.00015.1	449	561803	1.00E-135	257	260	98 +	190	449	463749	464007
UN61497	Rsa1.0.12292.1	680	5263	0	459	462	99 +	221	680	179	640
UN61498	Rsa1.0.00418.1	277	215377	5.00E-68	163	170	95 +	41	206	43786	43955
UN61499	Rsa1.0.00832.1	530	62622	0	527	533	98 +	1	529	17587	18119
UN61500	Rsa1.0.08961.1	708	6750	1.00E-161	330	343	96 +	297	635	6295	6634
UN61501	Rsa1.0.01595.1	733	175383	0	361	365	98 -	2	364	27602	27966

UN61580	Rsa1.0.02780.1	706	27965	1.00E-110	262	282	92 -	186	465	11367	11639
UN61581	Rsa1.0.02026.1	481	35896	1.00E-124	231	233	99 -	171	403	13982	14214
UN61582	Rsa1.0.00802.1	668	63846	1.00E-73	144	145	99 +	151	295	27435	27579
UN61583	Rsa1.0.00001.1	491	363028	0	445	446	99 -	46	491	174220	174665
UN61584	Rsa1.0.00586.1	506	163802	8.00E-90	168	168	100 +	18	185	151119	151286
UN61585	Rsa1.0.00404.1	725	87635	1.00E-171	370	392	94 +	4	384	9764	10155
UN61586	Rsa1.0.01510.1	648	44237	1.00E-141	402	460	87 +	207	645	18824	19262
UN61587	Rsa1.0.16177.1	647	2255	2.00E-75	157	160	98 -	150	308	151	310
UN61588	Rsa1.0.00344.1	682	191774	0	567	591	95 +	95	682	102407	102994
UN61589	Rsa1.0.03128.1	682	25180	0	653	676	96 -	7	682	22811	23486
UN61590	Rsa1.0.22264.1	243	1136	1.00E-116	218	220	99 -	3	222	265	484
UN61591	Rsa1.0.01440.1	702	45807	1.00E-67	134	135	99 -	35	169	9207	9341
UN61592	Rsa1.0.00123.1	790	325650	1.00E-109	213	217	98 -	3	219	225789	226005
UN61593	Rsa1.0.00146.1	393	149343	0	390	407	95 -	1	393	99571	99977
UN61594	Rsa1.0.01234.1	301	50183	1.00E-150	293	301	97 +	1	301	19967	20267
UN61595	Rsa1.0.00145.1	669	261008	5.00E-70	153	159	96 +	211	369	31350	31508
UN61596	Rsa1.0.47586.1	655	475	0	438	438	100 -	161	598	1	438
UN61597	Rsa1.0.00341.1	769	249309	0	511	525	97 -	3	520	2130	2650
UN61598	Rsa1.0.00632.1	661	183777	1.00E-109	203	204	99 +	229	432	2424	2627
UN61599	Rsa1.0.00684.1	558	141701	0	453	470	96 +	2	468	41782	42251
UN61600	Rsa1.0.02710.1	780	28492	1.00E-138	278	287	96 -	2	285	20922	21208
UN61601	Rsa1.0.21362.1	757	1212	0	717	746	96 +	2	745	410	1154
UN61602	Rsa1.0.01814.1	649	38917	1.00E-165	396	424	93 +	1	413	14978	15394
UN61603	Rsa1.0.24121.1	602	1005	0	561	581	96 -	23	602	258	838
UN61604	Rsa1.0.00041.1	674	186197	1.00E-128	259	268	96 -	261	528	129816	130083
UN61605	Rsa1.0.00739.1	655	66155	0	417	422	98 -	235	655	40495	40916
UN61606	Rsa1.0.02958.1	130	26443	2.00E-65	129	130	99 +	1	130	8676	8805
UN61607	Rsa1.0.01419.1	700	167402	0	396	403	98 +	298	699	132120	132520
UN61608	Rsa1.0.05347.1	631	14096	1.00E-143	261	262	99 +	235	496	7956	8217
UN61609	Rsa1.0.03642.1	668	21609	1.00E-134	266	273	97 -	251	523	5889	6158
UN61610	Rsa1.0.02987.1	109	26196	9.00E-49	101	102	99 -	1	102	24017	24118
UN61611	Rsa1.0.01919.1	136	37272	2.00E-71	136	136	100 -	1	136	3675	3810
UN61612	Rsa1.0.01397.1	681	183276	1.00E-178	339	345	98 -	85	428	145744	146088
UN61613	Rsa1.0.40652.1	736	552	3.00E-44	92	92	100 -	232	323	248	339
UN61614	Rsa1.0.00876.1	709	61328	0	703	711	98 -	2	709	54843	55553
UN61615	Rsa1.0.00080.1	634	190437	1.00E-145	267	269	99 -	255	523	27027	27295
UN61616	Rsa1.0.00025.1	704	277312	1.00E-147	290	296	97 +	2	294	57853	58148
UN61617	Rsa1.0.10422.1	719	5854	1.00E-120	333	370	90 +	372	719	1678	2046
UN61618	Rsa1.0.00888.1	618	60978	0	542	559	96 +	59	617	53612	54167

UN61619	Rsa1.0.00491.1	756	80219	1.00E-142	488	565	86 -	200	755	24188	24752
UN61620	Rsa1.0.00018.1	483	410899	0	482	483	99 -	1	483	56496	56978
UN61621	Rsa1.0.00369.1	802	266462	4.00E-71	168	177	94 -	1	177	168224	168399
UN61622	Rsa1.0.00017.1	103	752458	2.00E-34	95	102	93 +	1	102	236055	236156
UN61623	Rsa1.0.00121.1	568	278029	9.00E-90	180	184	97 +	1	184	59556	59739
UN61624	Rsa1.0.00011.1	773	225044	3.00E-99	184	184	100 -	1	184	200725	200908
UN61625	Rsa1.0.00856.1	221	62037	8.00E-57	112	112	100 -	25	136	9186	9297
UN61626	Rsa1.0.04651.1	679	16516	1.00E-122	258	270	95 +	2	271	9267	9536
UN61627	Rsa1.0.04991.1	634	15215	0	464	473	98 +	164	634	9337	9806
UN61628	Rsa1.0.02944.1	793	26553	1.00E-138	250	250	100 +	3	252	3609	3858
UN61629	Rsa1.0.13896.1	790	4134	0	771	784	98 -	7	790	677	1453
UN61630	Rsa1.0.01561.1	258	43227	1.00E-127	251	258	97 -	1	258	21650	21907
UN61631	Rsa1.0.02911.1	769	142461	1.00E-159	327	338	96 +	6	340	22435	22770
UN61632	Rsa1.0.03360.1	348	23459	1.00E-114	219	221	99 -	1	221	18357	18576
UN61633	Rsa1.0.01015.1	728	56752	0	384	388	98 +	337	724	8794	9181
UN61634	Rsa1.0.00184.1	663	218748	0	478	479	99 -	185	663	211728	212206
UN61635	Rsa1.0.00487.1	715	80674	3.00E-90	172	173	99 -	413	585	38941	39113
UN61636	Rsa1.0.00227.1	715	105849	1.00E-117	215	215	100 +	2	216	27745	27959
UN61637	Rsa1.0.00239.1	210	104332	3.00E-50	188	216	87 -	2	210	28884	29099
UN61638	Rsa1.0.01261.1	205	49744	6.00E-79	188	201	93 +	5	205	22751	22951
UN61639	Rsa1.0.00438.1	580	84861	1.00E-168	328	337	97 +	44	380	15680	16012
UN61640	Rsa1.0.03352.1	336	23506	1.00E-47	112	117	95 +	1	117	16176	16292
UN61641	Rsa1.0.00190.1	730	318240	0	359	360	99 +	283	642	203951	204310
UN61642	Rsa1.0.16521.1	708	2125	0	468	492	95 -	3	494	1174	1653
UN61643	Rsa1.0.01433.1	799	45976	0	425	449	94 -	2	443	7083	7526
UN61644	Rsa1.0.02247.1	710	33427	1.00E-124	229	230	99 -	481	710	7389	7618
UN61645	Rsa1.0.00169.1	615	274298	1.00E-24	87	95	91 +	522	615	109726	109820
UN61646	Rsa1.0.01824.1	687	38733	0	451	463	97 +	227	687	5376	5838
UN61647	Rsa1.0.03142.1	461	25043	0	458	461	99 -	1	461	20353	20813
UN61648	Rsa1.0.06849.1	710	10271	1.00E-124	266	277	96 -	5	280	9692	9966
UN61649	Rsa1.0.01155.1	136	52182	1.00E-32	74	75	98 -	59	133	13030	13104
UN61650	Rsa1.0.03926.1	123	20024	6.00E-47	113	119	94 +	1	119	5384	5502
UN61651	Rsa1.0.02949.1	132	26506	8.00E-22	62	65	95 -	39	103	4401	4465
UN61652	#	#	#	#	#	#	#	#	#	#	#
UN61653	Rsa1.0.02234.1	728	33618	4.00E-74	157	162	96 -	306	467	2559	2720
UN61654	Rsa1.0.03842.1	693	20503	0	444	460	96 -	4	459	17620	18079
UN61655	Rsa1.0.00550.1	841	210790	1.00E-179	421	454	92 -	254	706	183114	183567
UN61656	Rsa1.0.00087.1	773	761073	1.00E-101	190	191	99 -	1	191	441788	441978
UN61657	Rsa1.0.00341.1	368	249309	1.00E-123	338	369	91 -	1	368	243081	243442

UN61658	Rsa1.0_02195.1	186	34024	1.00E-79	177	186	95 -	1	186	30849	31034
UN61659	Rsa1.0_02667.1	845	28910	0	821	845	97 -	2	845	11387	12231
UN61660	Rsa1.0_00730.1	744	66673	0	735	746	98 -	4	744	39669	40414
UN61661	Rsa1.0_00414.1	667	202190	0	533	577	92 +	105	667	45473	46047
UN61662	Rsa1.0_06952.1	704	10118	0	701	707	99 +	2	704	5297	6003
UN61663	Rsa1.0_00139.1	636	357786	1.00E-137	257	259	99 -	25	282	139050	139308
UN61664	Rsa1.0_00324.1	746	218805	3.00E-87	179	184	97 +	355	538	186385	186568
UN61665	Rsa1.0_02750.1	542	28239	0	525	540	97 -	6	542	4477	5016
UN61666	Rsa1.0_01007.1	430	56933	1.00E-135	257	260	98 -	172	430	2061	2320
UN61667	Rsa1.0_00880.1	636	61271	1.00E-144	263	264	99 -	45	308	9371	9634
UN61668	Rsa1.0_02201.1	633	33981	1.00E-153	305	315	96 +	11	325	21956	22270
UN61669	Rsa1.0_00818.1	305	62939	1.00E-99	216	226	95 -	83	305	40684	40909
UN61670	Rsa1.0_00365.1	441	90902	7.00E-90	382	441	86 +	7	441	29577	29990
UN61671	Rsa1.0_00734.1	233	66508	1.00E-95	198	205	96 +	8	212	25097	25301
UN61672	Rsa1.0_00089.1	813	406142	0	456	456	100 +	1	456	322207	322662
UN61673	Rsa1.0_00571.1	130	329018	3.00E-15	81	94	86 -	1	93	40670	40754
UN61674	Rsa1.0_03963.1	816	19855	0	552	552	100 -	3	554	127	678
UN61675	Rsa1.0_04845.1	104	15747	1.00E-35	91	96	94 -	1	96	5903	5998
UN61676	Rsa1.0_00023.1	752	194764	0	736	757	97 +	1	752	111846	112597
UN61677	Rsa1.0_04877.1	593	15631	0	570	593	96 +	2	593	2104	2688
UN61678	Rsa1.0_10792.1	722	5719	0	715	725	98 -	1	722	1536	2259
UN61679	Rsa1.0_00456.1	201	82826	9.00E-72	180	193	93 -	9	201	78275	78466
UN61680	Rsa1.0_00019.1	771	301669	0	614	630	97 +	144	771	172733	173359
UN61681	Rsa1.0_00018.1	165	410899	9.00E-13	78	87	89 -	27	112	71551	71631
UN61682	Rsa1.0_03090.1	494	25464	0	401	407	98 +	4	410	21799	22205
UN61683	Rsa1.0_00069.1	567	403561	0	480	483	99 -	1	482	13176	13658
UN61684	Rsa1.0_00708.1	705	67366	0	649	674	96 -	1	674	38712	39384
UN61685	Rsa1.0_05547.1	676	13369	1.00E-166	315	321	98 +	356	676	5450	5770
UN61686	Rsa1.0_00025.1	722	277312	1.00E-158	365	385	94 -	1	373	14017	14400
UN61687	Rsa1.0_02360.1	780	32203	2.00E-79	157	159	98 +	14	172	11222	11380
UN61688	Rsa1.0_00139.1	218	357786	1.00E-31	119	134	88 -	12	144	149456	149589
UN61689	Rsa1.0_00003.1	784	340054	2.33E-156	354	381	92 -	189	567	2633	3000
UN61690	Rsa1.0_10188.1	636	5953	1.00E-160	306	311	98 +	139	448	1	311
UN61691	Rsa1.0_07130.1	702	9861	0	470	476	98 -	3	478	952	1427
UN61692	Rsa1.0_16766.1	220	2041	5.00E-86	200	213	93 +	5	217	1152	1364
UN61693	Rsa1.0_00221.1	715	106972	0	400	402	99 +	1	402	41490	41891
UN61694	Rsa1.0_00192.1	790	278200	0	367	380	96 -	373	752	75232	75611
UN61695	Rsa1.0_01208.1	507	50718	1.00E-79	259	295	87 +	116	410	8969	9263
UN61696	Rsa1.0_00339.1	869	222974	3.00E-69	194	209	92 +	125	329	178049	178256

UN61697	Rsa1.0.00007.1	305	239325	1.00E-68	135	136	99 +	101	236	108080	108215
UN61698	Rsa1.0.00782.1	780	64468	0	431	456	94 -	226	681	28205	28648
UN61699	Rsa1.0.00977.1	537	198001	0	376	385	97 +	3	383	1146	1529
UN61700	Rsa1.0.02754.1	310	28213	3.00E-14	50	53	94 +	152	204	10399	10451
UN61701	Rsa1.0.00185.1	831	248445	0	831	832	99 +	1	831	169745	170576
UN61702	Rsa1.0.09766.1	355	6162	1.00E-112	273	292	93 -	1	288	1825	2115
UN61703	Rsa1.0.00701.1	632	67691	0	476	498	95 +	34	531	40965	41457
UN61704	Rsa1.0.00228.1	800	105511	0	738	771	95 +	3	756	46175	46942
UN61705	Rsa1.0.01632.1	143	181224	6.00E-35	108	119	90 +	25	143	6520	6638
UN61706	#	#	#	#	#	#	#	#	#	#	#
UN61707	Rsa1.0.14871.1	565	2999	4.00E-64	192	216	88 -	1	202	2735	2949
UN61708	Rsa1.0.00214.1	696	107508	0	689	691	99 +	3	693	58540	59230
UN61709	Rsa1.0.02215.1	295	33822	1.00E-135	276	287	96 -	1	287	27836	28122
UN61710	Rsa1.0.00246.1	718	103541	0	514	560	91 +	184	718	25136	25692
UN61711	Rsa1.0.00869.1	389	61627	2.00E-46	102	103	99 +	288	389	39625	39727
UN61712	Rsa1.0.00848.1	294	152362	1.00E-101	234	250	93 +	1	250	48094	48343
UN61713	Rsa1.0.00387.1	259	495407	1.00E-123	245	252	97 +	8	259	163254	163505
UN61714	Rsa1.0.02548.1	495	30228	1.00E-153	313	324	96 -	7	330	9298	9616
UN61715	Rsa1.0.30957.1	582	740	1.00E-163	354	374	94 +	5	376	127	500
UN61716	Rsa1.0.18141.1	136	1658	1.00E-54	126	132	95 +	5	136	1128	1259
UN61717	Rsa1.0.00713.1	346	158017	1.00E-99	240	258	93 +	4	261	668	922
UN61718	Rsa1.0.04260.1	860	18238	1.00E-179	364	374	97 -	1	371	3017	3389
UN61719	Rsa1.0.00696.1	772	68010	0	531	535	99 -	238	772	11466	12000
UN61720	Rsa1.0.05293.1	292	14237	4.00E-90	269	296	90 +	1	292	9630	9919
UN61721	Rsa1.0.15907.1	824	2365	0	448	450	99 +	2	451	678	1127
UN61722	Rsa1.0.00709.1	729	67329	0	711	729	97 +	2	729	31148	31876
UN61723	Rsa1.0.00727.1	421	66724	1.00E-88	193	202	95 +	176	377	15710	15911
UN61724	Rsa1.0.00890.1	144	323870	3.00E-49	129	139	92 -	1	139	162685	162823
UN61725	Rsa1.0.00515.1	746	78417	0	588	611	96 -	3	613	17343	17952
UN61726	Rsa1.0.01302.1	202	48907	1.00E-52	124	129	96 -	50	177	2733	2861
UN61727	Rsa1.0.00626.1	750	71582	1.00E-131	355	390	91 -	5	383	53387	53769
UN61728	Rsa1.0.07413.1	855	9438	0	698	710	98 +	154	855	80	789
UN61729	Rsa1.0.00355.1	684	92038	0	516	564	91 +	3	557	77886	78429
UN61730	Rsa1.0.03178.1	198	24798	1.00E-86	189	198	95 -	1	198	16292	16489
UN61731	Rsa1.0.00017.1	820	752458	0	770	815	94 -	1	815	416175	416989
UN61732	Rsa1.0.10233.1	407	5928	1.00E-158	372	406	91 -	2	407	2479	2861
UN61733	Rsa1.0.00790.1	799	148693	1.00E-126	239	242	98 -	1	242	143652	143893
UN61734	Rsa1.0.02228.1	420	33688	1.00E-165	336	350	96 +	4	353	10205	10554
UN61735	Rsa1.0.01220.1	491	161775	1.00E-133	262	268	97 -	1	267	117108	117375

UN61736	Rsa1.0.02544.1	683	30290	0	679	683	99 +	1	683	3520	4202
UN61737	Rsa1.0.01595.1	117	175383	3.00E-39	103	110	93 +	4	113	41145	41254
UN61738	Rsa1.0.00180.1	101	114581	4.00E-29	92	101	91 +	1	101	21022	21122
UN61739	Rsa1.0.00719.1	525	66952	2.33E-156	292	300	97 -	2	297	63686	63985
UN61740	Rsa1.0.00790.1	138	148693	6.00E-35	120	131	91 -	9	138	22020	22148
UN61741	Rsa1.0.07516.1	110	9218	2.00E-34	101	110	91 +	1	110	6496	6605
UN61742	Rsa1.0.06248.1	598	11394	0	413	430	96 +	3	423	4449	4878
UN61743	Rsa1.0.03543.1	316	22185	1.00E-121	278	297	93 +	20	316	15906	16198
UN61744	Rsa1.0.00661.1	490	213041	9.00E-71	145	148	97 +	198	345	54678	54825
UN61745	Rsa1.0.04563.1	800	16837	1.00E-164	345	360	95 +	9	366	16342	16700
UN61746	Rsa1.0.01431.1	113	167877	2.00E-31	96	105	91 -	1	105	157766	157870
UN61747	Rsa1.0.00907.1	478	60062	1.00E-116	218	220	99 -	37	256	56065	56284
UN61748	Rsa1.0.00923.1	557	153678	0	422	430	98 +	1	430	23047	23476
UN61749	Rsa1.0.01006.1	506	163670	3.00E-74	163	170	95 +	134	303	24121	24290
UN61750	Rsa1.0.00648.1	637	70351	0	349	353	98 +	1	353	12066	12415
UN61751	Rsa1.0.01229.1	427	50235	0	414	427	96 -	1	427	3917	4343
UN61752	Rsa1.0.00628.1	732	214360	0	406	406	100 -	1	406	20549	20954
UN61753	Rsa1.0.00568.1	527	75219	0	353	353	100 -	2	354	26080	26432
UN61754	Rsa1.0.01151.1	428	52268	1.00E-133	297	316	93 +	1	316	26326	26641
UN61755	Rsa1.0.00421.1	721	86365	1.00E-112	288	306	94 +	3	304	70152	70449
UN61756	Rsa1.0.00193.1	532	194198	1.00E-141	291	303	96 +	202	504	103331	103633
UN61757	Rsa1.0.01130.1	118	52929	1.00E-26	104	117	88 -	4	114	34970	35086
UN61758	Rsa1.0.00159.1	751	431686	0	466	482	96 -	162	643	261878	262359
UN61759	Rsa1.0.06864.1	370	10240	1.00E-129	338	376	89 -	2	370	5871	6233
UN61760	Rsa1.0.01536.1	723	43747	0	634	641	98 -	74	712	12120	12760
UN61761	Rsa1.0.00183.1	840	113277	0	814	837	97 +	10	840	96770	97606
UN61762	Rsa1.0.00502.1	359	204180	1.00E-135	329	356	92 +	1	356	181151	181505
UN61763	Rsa1.0.00651.1	237	247766	3.00E-87	214	228	93 -	12	237	178724	178947
UN61764	Rsa1.0.04542.1	564	16930	1.00E-118	268	286	93 -	1	279	13253	13538
UN61765	Rsa1.0.59867.1	567	382	5.00E-82	214	229	93 +	238	461	144	371
UN61766	Rsa1.0.00533.1	678	77375	5.00E-98	250	270	92 +	15	278	63814	64082
UN61767	Rsa1.0.00026.1	834	327835	0	768	799	96 -	3	798	2795	3592
UN61768	Rsa1.0.00182.1	675	142305	0	538	552	97 +	3	554	112672	113223
UN61769	Rsa1.0.08312.1	850	7564	0	808	814	99 +	1	811	837	1650
UN61770	Rsa1.0.00628.1	641	214360	0	641	642	99 -	1	641	23828	24469
UN61771	Rsa1.0.04032.1	728	19489	0	430	443	97 +	1	443	6334	6776
UN61772	Rsa1.0.00017.1	781	752458	0	384	406	94 -	1	390	718544	718948
UN61773	Rsa1.0.01566.1	755	43134	0	488	503	97 +	1	500	14168	14668
UN61774	Rsa1.0.00383.1	251	398431	3.00E-97	213	219	97 -	6	219	5837	6055

UN61775	Rsa1.0.03168.1	757	24827	0	722	747	96 -	14	757	19654	20400
UN61776	Rsa1.0.00107.1	434	431659	1.00E-170	409	442	92 -	1	434	337123	337564
UN61777	Rsa1.0.00008.1	426	358124	1.00E-139	265	270	98 -	2	271	54525	54794
UN61778	Rsa1.0.00466.1	113	82132	6.00E-50	112	115	97 -	1	113	81440	81554
UN61779	Rsa1.0.02173.1	651	34318	0	398	404	98 +	101	503	22151	22554
UN61780	Rsa1.0.00946.1	761	58666	1.00E-174	323	326	99 -	1	326	52830	53154
UN61781	Rsa1.0.00196.1	763	109960	0	732	778	94 -	1	763	11224	12001
UN61782	Rsa1.0.01234.1	724	50183	0	511	514	99 +	1	512	30951	31464
UN61783	Rsa1.0.00185.1	491	248445	0	471	491	95 +	1	491	246052	246532
UN61784	Rsa1.0.00391.1	759	183853	0	458	472	97 +	288	759	64185	64656
UN61785	Rsa1.0.00932.1	732	59185	1.00E-149	313	326	96 -	1	324	36975	37299
UN61786	Rsa1.0.05679.1	379	12958	1.00E-144	280	287	97 +	3	289	830	1116
UN61787	Rsa1.0.15765.1	197	2437	6.00E-45	113	120	94 -	78	197	1313	1432
UN61788	Rsa1.0.04522.1	579	16988	0	573	579	98 -	3	577	1107	1685
UN61789	Rsa1.0.00028.1	280	293984	1.00E-105	257	278	92 +	3	280	282596	282864
UN61790	Rsa1.0.03074.1	347	25568	1.00E-152	308	320	96 -	1	320	11533	11852
UN61791	Rsa1.0.04538.1	782	16940	0	541	567	95 -	219	782	6883	7444
UN61792	Rsa1.0.04812.1	223	15883	7.00E-79	149	149	100 -	75	223	12062	12210
UN61793	Rsa1.0.02745.1	785	28263	0	420	434	96 -	94	527	766	1199
UN61794	Rsa1.0.03029.1	122	25858	5.00E-32	91	98	92 -	25	122	15800	15897
UN61795	Rsa1.0.03304.1	774	23883	0	684	708	96 +	71	774	8615	9315
UN61796	Rsa1.0.00305.1	197	97308	2.00E-88	190	197	96 +	1	197	71707	71902
UN61797	Rsa1.0.00926.1	801	195072	0	774	786	98 -	1	786	30126	30911
UN61798	Rsa1.0.00053.1	552	263459	1.00E-109	260	278	93 -	2	277	194175	194444
UN61799	Rsa1.0.18241.1	751	1639	0	707	710	99 +	1	709	197	906
UN61800	Rsa1.0.00160.1	444	346678	0	434	449	96 +	1	444	137826	138274
UN61801	Rsa1.0.00507.1	258	79074	4.00E-90	189	196	96 +	40	235	18947	19142
UN61802	Rsa1.0.02916.1	588	26809	1.00E-134	272	282	96 -	1	282	1634	1915
UN61803	Rsa1.0.00741.1	687	66117	0	566	581	97 -	103	683	35925	36505
UN61804	Rsa1.0.00356.1	606	91521	0	488	501	97 -	7	507	5213	5709
UN61805	Rsa1.0.06136.1	478	11659	0	460	480	95 +	1	478	3232	3700
UN61806	Rsa1.0.01007.1	421	56933	1.00E-123	252	260	96 +	1	259	2061	2320
UN61807	Rsa1.0.29386.1	490	784	0	438	447	97 +	44	490	1	447
UN61808	Rsa1.0.01789.1	203	39250	4.00E-80	190	203	93 -	1	203	10066	10268
UN61809	Rsa1.0.00001.1	257	363028	1.00E-123	248	255	97 +	3	257	1368	1621
UN61810	Rsa1.0.04977.1	220	15260	6.00E-70	164	173	94 -	48	218	9375	9547
UN61811	Rsa1.0.01595.1	719	175383	0	492	496	99 +	2	497	25699	26193
UN61812	Rsa1.0.07321.1	621	9559	1.00E-109	277	304	91 -	115	398	4293	4596
UN61813	Rsa1.0.00712.1	757	67217	0	446	466	95 -	1	464	18090	18551

UN61814	Rsa1.0.00301.1	504	365315	0	482	498	96 -	4	501	26445	26942
UN61815	Rsa1.0.01945.1	754	36989	0	753	754	99 -	1	754	15310	16063
UN61816	Rsa1.0.01414.1	569	149508	0	529	560	94 -	1	558	143147	143697
UN61817	Rsa1.0.00635.1	780	175826	1.00E-126	328	363	90 +	1	344	107037	107397
UN61818	Rsa1.0.02016.1	758	36003	1.00E-165	316	323	97 +	299	621	6525	6847
UN61819	Rsa1.0.01101.1	503	54031	9.00E-68	146	150	97 -	1	148	24383	24532
UN61820	Rsa1.0.04483.1	337	17174	2.00E-89	188	195	96 +	1	195	9895	10089
UN61821	Rsa1.0.00458.1	841	82717	0	415	436	95 +	1	436	75544	75964
UN61822	Rsa1.0.02378.1	273	31991	1.00E-106	258	277	93 +	1	273	14237	14513
UN61823	Rsa1.0.00306.1	782	146760	0	758	782	96 +	1	782	84419	85198
UN61824	Rsa1.0.00631.1	143	71277	1.00E-48	129	138	93 +	1	138	59029	59165
UN61825	Rsa1.0.00301.1	505	365315	0	486	505	96 +	1	505	224478	224982
UN61826	Rsa1.0.01001.1	531	57077	8.00E-84	245	271	90 -	8	274	22938	23206
UN61827	Rsa1.0.00116.1	683	365886	1.00E-155	301	309	97 +	374	682	344197	344505
UN61828	Rsa1.0.00278.1	703	231896	0	660	696	94 +	13	703	25594	26275
UN61829	Rsa1.0.05679.1	903	12958	1.00E-111	208	209	99 +	1	209	601	809
UN61830	Rsa1.0.13238.1	601	4960	0	532	552	96 -	27	571	2195	2746
UN61831	Rsa1.0.02780.1	577	27965	0	451	467	96 +	6	471	8346	8809
UN61832	Rsa1.0.00802.1	814	63846	1.00E-137	277	287	96 -	1	287	29300	29586
UN61833	Rsa1.0.00020.1	874	283099	1.00E-143	326	347	93 +	3	348	158295	158632
UN61834	Rsa1.0.00734.1	595	66508	2.00E-94	247	271	91 +	1	257	58335	58603
UN61835	Rsa1.0.01740.1	451	39986	3.00E-89	225	242	92 +	1	239	26331	26572
UN61836	Rsa1.0.01683.1	413	41059	5.00E-66	146	152	96 -	152	303	23704	23855
UN61837	Rsa1.0.11439.1	459	5507	5.00E-32	77	79	97 +	123	201	93	171
UN61838	Rsa1.0.00797.1	702	63959	0	574	617	93 +	3	597	51678	52289
UN61839	Rsa1.0.01263.1	655	49703	0	650	658	98 -	1	655	46908	47565
UN61840	Rsa1.0.00028.1	785	293984	0	775	787	98 +	3	784	230168	230954
UN61841	Rsa1.0.00813.1	591	63202	1.00E-116	222	225	98 +	316	540	11625	11849
UN61842	Rsa1.0.07736.1	813	8687	0	688	706	97 -	3	706	83	788
UN61843	Rsa1.0.00403.1	133	87701	8.00E-22	62	65	95 -	69	133	45257	45321
UN61844	Rsa1.0.01731.1	695	40208	1.00E-175	339	347	97 +	189	535	31180	31525
UN61845	Rsa1.0.00381.1	143	89718	1.00E-42	124	136	91 -	4	139	47518	47653
UN61846	Rsa1.0.01364.1	510	47172	1.00E-170	339	351	96 +	6	356	43593	43943
UN61847	Rsa1.0.00866.1	747	61676	0	553	611	90 +	1	611	56741	57327
UN61848	Rsa1.0.00094.1	542	139042	7.00E-75	192	206	93 -	291	495	135609	135812
UN61849	Rsa1.0.03306.1	206	23873	3.00E-78	188	199	94 -	5	203	12850	13045
UN61850	Rsa1.0.00344.1	793	191774	0	380	395	96 -	1	393	104082	104474
UN61851	Rsa1.0.03128.1	710	25180	0	647	708	91 +	3	710	20696	21403
UN61852	Rsa1.0.01440.1	837	45807	0	407	412	98 +	2	411	6983	7394

UN61853	Rsa1.0.00145.1	784	261008	5.00E-89	210	223	94 -	29	250	34764	34986
UN61854	Rsa1.0.00341.1	726	249309	0	663	726	91 +	5	723	717	1426
UN61855	Rsa1.0.08027.1	351	8058	1.00E-180	343	351	97 -	1	351	6991	7341
UN61856	Rsa1.0.39586.1	750	568	5.00E-92	181	184	98 -	391	574	26	209
UN61857	Rsa1.0.00041.1	739	186197	1.00E-104	208	213	97 +	249	461	127713	127925
UN61858	Rsa1.0.00651.1	638	247766	0	373	382	97 -	259	638	80365	80746
UN61859	Rsa1.0.01217.1	740	50554	0	375	382	98 -	359	740	13613	13994
UN61860	Rsa1.0.05347.1	399	14096	0	396	402	98 -	1	399	9360	9761
UN61861	Rsa1.0.03642.1	800	21609	1.00E-156	555	646	85 +	205	800	4850	5478
UN61862	Rsa1.0.03898.1	698	20183	1.00E-76	209	228	91 +	1	222	12151	12375
UN61863	Rsa1.0.01620.1	599	42091	0	397	399	99 -	1	399	13430	13828
UN61864	Rsa1.0.00415.1	708	86795	0	443	458	96 -	251	708	73272	73729
UN61865	Rsa1.0.10422.1	830	5854	0	728	805	90 -	1	780	2065	2853
UN61866	Rsa1.0.02222.1	298	152798	1.00E-124	281	297	94 +	1	296	4841	5136
UN61867	Rsa1.0.01055.1	796	55466	0	625	688	90 -	1	664	12305	12986
UN61868	Rsa1.0.03132.1	651	25142	0	593	600	98 +	1	598	7931	8530
UN61869	Rsa1.0.00080.1	786	190437	0	666	690	96 -	66	755	81407	82096
UN61870	Rsa1.0.00034.1	716	260119	0	688	722	95 +	1	716	249027	249747
UN61871	Rsa1.0.33251.1	146	683	7.00E-75	145	146	99 -	1	146	75	220
UN61872	Rsa1.0.00842.1	276	62493	2.00E-85	196	208	94 -	69	276	3221	3428
UN61873	Rsa1.0.00571.1	193	329018	2.00E-82	184	193	95 +	1	190	165735	165927
UN61874	Rsa1.0.00710.1	738	67325	0	709	765	92 +	1	733	3547	4307
UN61875	Rsa1.0.01063.1	655	55301	0	623	659	94 +	1	655	16256	16900
UN61876	Rsa1.0.01728.1	533	40239	1.00E-113	275	295	93 -	1	294	3678	3971
UN61877	Rsa1.0.06162.1	452	11590	1.00E-143	261	262	99 -	1	262	4572	4833
UN61878	Rsa1.0.03191.1	311	145762	1.00E-112	244	256	95 +	56	311	16091	16344
UN61879	Rsa1.0.02817.1	438	27644	0	425	435	97 +	2	436	13997	14431
UN61880	Rsa1.0.02404.1	137	31702	5.00E-23	61	63	96 -	72	134	23132	23194
UN61881	Rsa1.0.00890.1	748	323870	0	401	402	99 +	1	402	160758	161158
UN61882	Rsa1.0.00739.1	859	66155	1.00E-138	281	289	97 -	573	859	24537	24825
UN61883	Rsa1.0.20054.1	814	1347	1.00E-109	204	205	99 -	558	762	1083	1287
UN61884	Rsa1.0.00336.1	264	445051	1.00E-101	240	256	93 -	9	260	156364	156619
UN61885	Rsa1.0.00302.1	642	97521	0	617	641	96 +	2	642	61951	62579
UN61886	Rsa1.0.00148.1	338	120234	1.00E-160	325	338	96 -	1	338	37104	37441
UN61887	Rsa1.0.05547.1	364	13369	1.00E-148	297	306	97 -	3	307	6351	6656
UN61888	Rsa1.0.00101.1	686	267193	1.00E-135	306	324	94 -	27	344	47238	47560
UN61889	Rsa1.0.00131.1	589	432233	0	322	322	100 +	3	324	414598	414919
UN61890	Rsa1.0.03344.1	638	23593	0	423	450	94 -	1	450	12168	12615
UN61891	Rsa1.0.73518.1	364	312	1.00E-162	308	313	98 +	35	347	1	312

UN61892	Rsa1.0_01893.1	116	37520	7.00E-59	115	115	100 -	2	116	21323	21437
UN61893	#	#	#	#	#	#	#	#	#	#	#
UN61894	Rsa1.0_00857.1	699	61904	1.00E-159	389	423	91 -	2	418	15535	15951
UN61895	Rsa1.0_00475.1	686	81678	0	341	347	98 +	279	625	7908	8254
UN61896	Rsa1.0_04616.1	663	16627	2.00E-94	256	284	90 +	132	406	2663	2946
UN61897	Rsa1.0_01376.1	612	47004	3.00E-80	158	160	98 +	345	504	21583	21742
UN61898	Rsa1.0_00012.1	566	222148	0	558	559	99 -	1	559	103711	104269
UN61899	Rsa1.0_07339.1	670	9534	1.00E-155	278	278	100 -	1	278	7672	7949
UN61900	Rsa1.0_01004.1	733	56975	0	405	427	94 +	39	459	37959	38385
UN61901	Rsa1.0_00108.1	732	478491	0	572	576	99 +	156	730	114385	114959
UN61902	Rsa1.0_06086.1	429	11768	2.00E-80	158	160	98 +	3	162	10286	10445
UN61903	Rsa1.0_14950.1	821	2940	0	737	756	97 -	3	750	1616	2371
UN61904	Rsa1.0_01376.1	534	47004	0	362	373	97 +	153	525	46244	46614
UN61905	Rsa1.0_01250.1	807	49874	1.00E-129	261	270	96 +	9	278	13938	14207
UN61906	Rsa1.0_01101.1	188	54031	3.00E-99	186	187	99 +	2	188	51958	52144
UN61907	Rsa1.0_00293.1	520	339294	1.00E-110	203	203	100 +	26	228	224706	224908
UN61908	Rsa1.0_16079.1	622	2293	0	587	596	98 -	1	596	1	596
UN61909	Rsa1.0_02990.1	817	26180	0	804	824	97 +	1	815	13322	14145
UN61910	Rsa1.0_02559.1	573	30096	1.00E-100	258	277	93 +	284	559	19438	19711
UN61911	Rsa1.0_02944.1	228	26553	2.00E-91	215	226	95 +	1	225	4804	5027
UN61912	Rsa1.0_00247.1	572	103408	0	387	392	98 +	34	425	90052	90443
UN61913	Rsa1.0_02314.1	463	32642	0	441	443	99 -	3	445	20578	21020
UN61914	Rsa1.0_03093.1	807	25445	0	582	607	95 +	203	798	14489	15095
UN61915	Rsa1.0_18973.1	788	1502	0	744	774	96 -	2	761	363	1131
UN61916	Rsa1.0_04867.1	669	15670	0	667	668	99 +	3	669	1878	2545
UN61917	Rsa1.0_60568.1	453	378	3.00E-89	182	187	97 +	115	301	192	378
UN61918	Rsa1.0_00721.1	662	66918	0	433	434	99 +	229	662	27433	27866
UN61919	Rsa1.0_00223.1	575	106231	0	572	574	99 +	2	575	5950	6521
UN61920	Rsa1.0_02310.1	693	32735	0	383	399	95 +	1	391	27771	28169
UN61921	Rsa1.0_00616.1	658	195713	0	461	466	98 +	193	658	181777	182239
UN61922	Rsa1.0_00321.1	807	95671	1.00E-144	260	260	100 -	231	490	11633	11892
UN61923	Rsa1.0_00287.1	827	98687	0	635	718	88 +	47	758	53355	54072
UN61924	Rsa1.0_00604.1	656	146282	0	355	360	98 +	163	521	123280	123639
UN61925	Rsa1.0_14084.1	821	3822	0	686	707	97 -	88	781	2089	2795
UN61926	Rsa1.0_00301.1	706	365315	1.00E-132	240	240	100 +	1	240	359042	359281
UN61927	Rsa1.0_56381.1	549	406	0	369	373	98 -	177	549	34	406
UN61928	Rsa1.0_41047.1	647	547	0	378	386	97 +	206	591	1	384
UN61929	Rsa1.0_02378.1	789	31991	0	362	375	96 +	1	375	12974	13336
UN61930	Rsa1.0_00356.1	750	91521	2.00E-54	109	109	100 -	130	238	62421	62529

UN61931	Rsa1.0.03985.1	772	19704	0	745	761	97 +	4	763	14421	15181
UN61932	Rsa1.0.07703.1	791	8756	5.00E-98	182	182	100 -	1	182	163	344
UN61933	Rsa1.0.04697.1	795	16336	0	421	439	95 +	355	788	11481	11919
UN61934	Rsa1.0.00192.1	681	278200	1.00E-159	296	300	98 -	283	582	43038	43337
UN61935	Rsa1.0.00365.1	725	90902	0	367	369	99 -	358	725	3374	3742
UN61936	Rsa1.0.01796.1	741	39154	1.00E-120	230	232	99 +	506	736	16175	16406
UN61937	Rsa1.0.00784.1	638	64359	0	435	447	97 -	4	446	9051	9495
UN61938	Rsa1.0.04545.1	625	146799	2.00E-84	176	179	98 -	447	623	7537	7715
UN61939	Rsa1.0.04027.1	737	19501	1.00E-49	107	109	98 +	553	661	5877	5985
UN61940	Rsa1.0.00852.1	725	62179	1.00E-163	291	291	100 +	3	293	44250	44540
UN61941	Rsa1.0.01701.1	637	162121	0	548	573	95 -	65	637	34253	34804
UN61942	Rsa1.0.00317.1	728	218290	7.00E-88	165	165	100 -	3	167	86842	87006
UN61943	Rsa1.0.02355.1	494	32260	0	473	492	96 -	3	494	25257	25736
UN61944	Rsa1.0.00890.1	400	323870	1.00E-148	266	266	100 -	48	313	32241	32506
UN61945	Rsa1.0.00675.1	286	145590	1.00E-122	236	240	98 +	50	286	28808	29047
UN61946	#	#	#	#	#	#	#	#	#	#	#
UN61947	Rsa1.0.00649.1	598	70263	0	394	412	95 +	3	412	24103	24511
UN61948	Rsa1.0.00563.1	770	75491	0	611	645	94 +	80	721	69489	70126
UN61949	Rsa1.0.00216.1	809	197563	1.00E-143	279	286	97 -	323	608	17305	17590
UN61950	Rsa1.0.02320.1	668	32575	1.00E-159	353	377	93 +	10	377	22068	22444
UN61951	Rsa1.0.00398.1	679	88007	0	366	372	98 +	29	400	68924	69295
UN61952	Rsa1.0.03073.1	632	25574	0	604	628	96 +	5	632	14376	15000
UN61953	Rsa1.0.00029.1	640	272992	0	401	406	98 +	140	542	205832	206237
UN61954	Rsa1.0.01423.1	639	46170	1.00E-175	312	312	100 +	328	639	12665	12976
UN61955	Rsa1.0.00028.1	706	293984	0	663	667	99 -	2	666	284062	284728
UN61956	Rsa1.0.00105.1	778	134138	1.00E-154	277	277	100 -	3	279	101285	101561
UN61957	Rsa1.0.00006.1	201	396176	4.00E-86	167	169	98 +	33	201	99064	99232
UN61958	Rsa1.0.00939.1	796	185227	0	449	466	96 +	1	466	161132	161593
UN61959	Rsa1.0.19288.1	554	1451	9.00E-93	196	201	97 -	337	537	1245	1443
UN61960	Rsa1.0.03016.1	660	26000	1.00E-156	348	365	95 -	26	384	3315	3678
UN61961	Rsa1.0.00136.1	710	122464	1.00E-122	312	342	91 -	9	347	57274	57597
UN61962	Rsa1.0.08223.1	758	7700	1.00E-162	289	289	100 +	5	293	1773	2061
UN61963	Rsa1.0.00546.1	777	76523	0	395	398	99 +	219	616	38928	39325
UN61964	Rsa1.0.01306.1	738	48720	0	370	371	99 -	3	373	33628	33998
UN61965	Rsa1.0.00069.1	294	403561	1.00E-138	249	249	100 -	3	251	187194	187442
UN61966	Rsa1.0.00414.1	648	202190	1.00E-116	216	217	99 -	208	424	197259	197475
UN61967	Rsa1.0.00045.1	743	328694	0	740	743	99 +	3	743	226322	227064
UN61968	Rsa1.0.00387.1	745	495407	1.00E-173	339	348	97 +	3	349	30034	30381
UN61969	Rsa1.0.03762.1	638	20976	4.00E-12	44	46	95 -	305	350	3306	3351

UN61970	Rsa1.0_11534.1	724	5477	0	619	635	97 +	1	635	1087	1721
UN61971	Rsa1.0_00112.1	655	132199	0	360	360	100 -	119	478	45829	46188
UN61972	Rsa1.0_02923.1	705	26736	1.00E-107	296	323	91 -	384	702	15783	16101
UN61973	Rsa1.0_00243.1	816	103651	0	573	574	99 -	3	576	94197	94770
UN61974	Rsa1.0_13751.1	612	4383	0	608	611	99 +	3	612	2630	3240
UN61975	Rsa1.0_00715.1	756	67116	0	563	566	99 -	2	567	22526	23091
UN61976	Rsa1.0_00413.1	664	86921	1.00E-160	293	295	99 +	3	297	56057	56351
UN61977	Rsa1.0_08258.1	674	7649	6.00E-82	155	155	100 +	207	361	4864	5018
UN61978	Rsa1.0_01515.1	703	170864	0	653	709	92 -	2	702	127392	128091
UN61979	Rsa1.0_01330.1	671	47960	1.00E-118	314	350	89 +	1	329	43091	43431
UN61980	Rsa1.0_00237.1	784	235974	1.00E-92	176	177	99 -	121	297	185827	186003
UN61981	Rsa1.0_01571.1	666	43000	1.00E-178	410	439	93 +	132	569	12344	12769
UN61982	Rsa1.0_01162.1	664	169104	1.00E-170	337	348	96 -	32	375	154463	154810
UN61983	Rsa1.0_00366.1	359	90880	1.00E-133	266	273	97 -	88	359	9194	9466
UN61984	Rsa1.0_00543.1	810	76788	7.00E-82	217	227	95 +	568	786	8642	8868
UN61985	Rsa1.0_00167.1	707	116000	0	697	713	97 +	3	707	107324	108033
UN61986	Rsa1.0_13128.1	768	4999	2.00E-91	195	203	96 -	311	513	3729	3931
UN61987	Rsa1.0_00015.1	633	561803	0	367	369	99 +	3	369	215235	215603
UN61988	Rsa1.0_00939.1	738	185227	1.00E-102	207	213	97 -	343	555	52657	52869
UN61989	Rsa1.0_03767.1	769	20969	0	751	776	96 +	2	769	9549	10324
UN61990	Rsa1.0_03391.1	745	23251	1.00E-150	273	274	99 -	3	276	9305	9578
UN61991	Rsa1.0_00840.1	453	62514	1.00E-166	309	312	99 -	143	453	5234	5545
UN61992	Rsa1.0_01263.1	716	49703	1.00E-98	227	239	94 +	413	649	42751	42989
UN61993	Rsa1.0_00302.1	632	97521	0	359	360	99 -	273	632	55682	56041
UN61994	Rsa1.0_08961.1	747	6750	0	670	694	96 +	1	686	5951	6638
UN61995	Rsa1.0_01632.1	727	181224	1.00E-123	280	296	94 -	19	314	3094	3387
UN61996	Rsa1.0_05336.1	707	14117	0	343	344	99 -	323	666	5512	5855
UN61997	Rsa1.0_04450.1	738	17297	0	592	609	97 +	88	695	13877	14485
UN61998	Rsa1.0_00448.1	632	84048	0	619	630	98 -	3	632	15888	16517
UN61999	Rsa1.0_00454.1	802	216970	1.00E-180	390	414	94 -	4	417	188572	188973
UN62000	Rsa1.0_00527.1	685	77733	0	678	679	99 -	3	681	9265	9943
UN62001	Rsa1.0_12336.1	690	5251	0	537	539	99 -	2	540	182	720
UN62002	Rsa1.0_00244.1	630	103590	0	629	630	99 -	1	630	10699	11328
UN62003	Rsa1.0_00355.1	763	92038	2.00E-94	209	216	96 +	551	763	64491	64706
UN62004	Rsa1.0_03956.1	786	19872	1.00E-58	125	128	97 -	542	669	18419	18546
UN62005	Rsa1.0_01179.1	646	51549	0	545	552	98 +	95	646	21802	22353
UN62006	Rsa1.0_01117.1	610	53465	1.00E-127	244	247	98 +	1	247	22602	22847
UN62007	Rsa1.0_03384.1	830	23291	0	538	562	95 +	273	830	10618	11179
UN62008	Rsa1.0_00556.1	569	207212	0	564	569	99 +	1	569	163365	163933

UN62009	Rsa1.0_04651.1	778	16516	1.00E-140	256	257	99 -	330	586	13808	14064
UN62010	Rsa1.0_00092.1	782	659932	9.00E-66	140	144	97 -	158	301	127962	128105
UN62011	Rsa1.0_01729.1	716	304246	0	705	721	97 -	1	716	302561	303279
UN62012	Rsa1.0_00160.1	779	346678	0	424	426	99 +	3	428	30965	31390
UN62013	Rsa1.0_00451.1	601	322533	1.00E-119	290	316	91 +	9	309	300615	300930
UN62014	Rsa1.0_00417.1	614	395068	0	466	480	97 +	15	491	219053	219532
UN62015	Rsa1.0_01414.1	475	149508	0	429	446	96 +	32	475	142256	142700
UN62016	Rsa1.0_01485.1	715	44797	0	711	713	99 -	1	712	16610	17322
UN62017	Rsa1.0_02502.1	766	30740	1.00E-143	270	273	98 +	495	766	9700	9972
UN62018	Rsa1.0_00262.1	796	101906	0	766	796	96 -	3	794	87499	88294
UN62019	Rsa1.0_03553.1	667	22150	1.00E-106	199	200	99 -	1	200	18338	18537
UN62020	Rsa1.0_02067.1	681	35451	0	422	439	96 -	223	661	2133	2571
UN62021	Rsa1.0_01994.1	682	36374	1.00E-144	278	284	97 -	5	288	33951	34234
UN62022	Rsa1.0_14494.1	622	3331	2.00E-81	154	154	100 +	151	304	3085	3238
UN62023	Rsa1.0_01422.1	766	46172	2.00E-60	207	238	86 +	151	373	12740	12977
UN62024	Rsa1.0_00928.1	762	59293	1.00E-140	310	320	96 -	448	759	21410	21729
UN62025	Rsa1.0_02215.1	643	33822	0	643	643	100 -	1	643	16908	17550
UN62026	Rsa1.0_01747.1	114	39881	2.00E-43	104	109	95 -	3	111	24745	24853
UN62027	Rsa1.0_00589.1	697	209965	1.00E-159	323	334	96 +	364	693	152119	152452
UN62028	Rsa1.0_14050.1	775	3867	1.00E-180	395	412	95 +	347	752	3166	3577
UN62029	Rsa1.0_00207.1	632	248736	1.00E-106	203	204	99 +	1	204	63250	63452
UN62030	Rsa1.0_00906.1	775	178966	2.00E-32	85	88	96 -	684	770	166	253
UN62031	Rsa1.0_01482.1	787	44855	7.00E-82	161	163	98 +	203	365	15882	16044
UN62032	Rsa1.0_01955.1	795	36850	0	496	508	97 +	220	724	13035	13536
UN62033	Rsa1.0_07263.1	764	9644	0	614	689	89 +	77	758	4448	5136
UN62034	Rsa1.0_00916.1	722	59789	1.00E-109	225	232	96 +	493	722	15473	15704
UN62035	Rsa1.0_00604.1	662	146282	0	433	448	96 -	2	443	95818	96265
UN62036	Rsa1.0_04415.1	160	147889	5.00E-48	128	137	93 +	5	138	136717	136850
UN62037	Rsa1.0_03393.1	715	23247	0	606	607	99 +	3	609	15164	15770
UN62038	Rsa1.0_00041.1	748	186197	2.00E-94	207	216	95 -	15	229	160986	161201
UN62039	Rsa1.0_00404.1	759	87635	1.00E-109	231	236	97 -	528	759	44479	44714
UN62040	Rsa1.0_01651.1	819	41586	1.00E-83	161	162	99 -	1	162	37370	37531
UN62041	Rsa1.0_16685.1	583	2065	0	570	584	97 +	2	583	428	1011
UN62042	Rsa1.0_02523.1	817	30527	1.00E-117	217	218	99 -	314	531	10082	10299
UN62043	Rsa1.0_01016.1	666	181422	0	579	613	94 +	66	666	43416	44028
UN62044	Rsa1.0_00891.1	726	60724	3.00E-90	175	177	98 -	262	438	35838	36014
UN62045	Rsa1.0_02032.1	671	35830	0	480	487	98 -	185	671	24090	24572
UN62046	Rsa1.0_01112.1	649	310601	4.00E-52	145	157	92 +	72	227	290320	290476
UN62047	Rsa1.0_05262.1	727	14334	0	385	386	99 +	3	388	10064	10449

UN62048	Rsa1.0_00106.1	685	133916	0	606	607	99 +	1	607	91979	92585
UN62049	Rsa1.0_00611.1	655	72410	0	556	557	99 -	24	580	22831	23386
UN62050	#	#	#	#	#	#	#	#	#	#	#
UN62051	Rsa1.0_00826.1	696	166736	1.00E-115	217	219	99 +	478	696	8796	9014
UN62052	Rsa1.0_01308.1	734	48596	4.00E-34	108	117	92 +	619	734	4790	4903
UN62053	Rsa1.0_02282.1	792	163951	0	782	798	97 -	3	792	146550	147347
UN62054	Rsa1.0_03719.1	721	21194	0	627	634	98 -	82	714	5277	5909
UN62055	Rsa1.0_07535.1	779	9183	0	615	636	96 +	9	641	8549	9183
UN62056	Rsa1.0_00017.1	777	752458	1.00E-107	206	209	98 +	115	323	51737	51945
UN62057	Rsa1.0_05781.1	610	12654	1.00E-143	272	277	98 +	3	279	11760	12036
UN62058	Rsa1.0_33901.1	735	668	1.00E-129	242	243	99 +	494	735	139	381
UN62059	Rsa1.0_09048.1	649	6683	0	590	606	97 +	45	649	5298	5897
UN62060	Rsa1.0_01517.1	746	44170	0	693	712	97 +	37	746	15894	16604
UN62061	Rsa1.0_04637.1	774	16551	1.00E-153	315	333	94 -	5	337	11789	12103
UN62062	Rsa1.0_00679.1	680	68971	0	667	680	98 -	4	680	9116	9795
UN62063	Rsa1.0_41382.1	659	543	1.00E-175	358	372	96 +	153	521	1	369
UN62064	Rsa1.0_00025.1	666	277312	0	621	665	93 +	2	666	44626	45280
UN62065	Rsa1.0_05474.1	232	13620	1.00E-95	184	185	99 +	1	184	11077	11261
UN62066	Rsa1.0_00387.1	823	495407	0	428	446	95 -	365	797	161836	162278
UN62067	Rsa1.0_04373.1	638	17673	0	634	636	99 -	3	638	6962	7597
UN62068	Rsa1.0_02964.1	796	26407	5.00E-58	115	115	100 +	267	381	13665	13779
UN62069	Rsa1.0_03846.1	683	20481	1.00E-134	242	242	100 +	3	244	16273	16514
UN62070	Rsa1.0_20285.1	681	1321	1.00E-70	142	144	98 +	236	379	229	372
UN62071	Rsa1.0_01148.1	814	52375	1.00E-113	231	238	97 +	3	237	21353	21590
UN62072	Rsa1.0_01413.1	741	46275	0	433	440	98 +	306	741	8524	8963
UN62073	Rsa1.0_00949.1	800	58549	0	788	801	98 -	2	793	45720	46520
UN62074	Rsa1.0_00110.1	461	132719	1.00E-110	305	342	89 +	140	461	112314	112652
UN62075	Rsa1.0_00464.1	763	82253	1.00E-124	244	250	97 -	271	520	55490	55739
UN62076	Rsa1.0_00028.1	736	293984	1.00E-162	317	324	97 +	15	335	41557	41880
UN62077	Rsa1.0_63356.1	801	362	0	360	362	99 -	312	673	1	362
UN62078	Rsa1.0_00374.1	710	165738	1.00E-163	305	307	99 +	406	710	129967	130273
UN62079	Rsa1.0_01887.1	755	37564	1.00E-109	242	256	94 +	5	260	23994	24249
UN62080	Rsa1.0_00228.1	801	105511	1.00E-122	226	227	99 -	211	437	93732	93958
UN62081	Rsa1.0_05570.1	816	13301	0	767	791	96 +	2	779	332	1122
UN62082	Rsa1.0_00055.1	791	520193	0	408	424	96 -	369	791	335271	335691
UN62083	Rsa1.0_03427.1	678	22992	0	409	413	99 +	13	425	11971	12383
UN62084	Rsa1.0_07464.1	739	9328	0	672	709	94 -	11	715	4712	5415
UN62085	Rsa1.0_06002.1	709	11976	0	490	506	96 -	196	699	5816	6321
UN62086	Rsa1.0_12327.1	777	5255	0	531	534	99 -	2	535	958	1491

UN62087	Rsa1.0.01729.1	663	304246	0	661	661	100 +	3	663	116512	117172
UN62088	Rsa1.0.00890.1	579	323870	1.00E-159	368	399	92 -	191	574	166570	166964
UN62089	Rsa1.0.00858.1	610	61892	0	606	608	99 +	3	610	4852	5459
UN62090	Rsa1.0.00770.1	259	64900	1.00E-137	257	259	99 +	2	259	25532	25790
UN62091	Rsa1.0.00434.1	215	85171	4.00E-65	126	126	100 -	90	215	65162	65287
UN62092	Rsa1.0.19354.1	729	1444	1.00E-166	303	305	99 -	134	438	1140	1444
UN62093	Rsa1.0.00984.1	719	57580	0	519	520	99 -	3	522	5923	6442
UN62094	Rsa1.0.00217.1	773	107079	1.00E-180	326	328	99 -	4	331	66911	67238
UN62095	Rsa1.0.02412.1	745	31643	5.00E-64	134	137	97 -	262	398	18159	18295
UN62096	Rsa1.0.01091.1	677	54383	0	421	421	100 -	1	421	28856	29276
UN62097	Rsa1.0.00087.1	658	761073	1.00E-107	259	282	91 -	389	658	729355	729636
UN62098	Rsa1.0.00298.1	794	349131	1.00E-155	293	298	98 -	3	300	318911	319208
UN62099	Rsa1.0.00213.1	679	108167	3.00E-99	274	301	91 -	376	671	14655	14954
UN62100	Rsa1.0.00089.1	755	406142	0	369	371	99 -	3	373	233659	234029
UN62101	Rsa1.0.32596.1	633	698	5.00E-76	148	149	99 -	485	633	377	525
UN62102	Rsa1.0.05880.1	585	12343	0	566	584	96 +	2	585	4318	4901
UN62103	Rsa1.0.00471.1	754	81897	0	421	443	95 -	321	754	67054	67496
UN62104	Rsa1.0.02783.1	599	27927	1.00E-129	254	260	97 -	343	599	8614	8873
UN62105	Rsa1.0.00276.1	684	100160	1.00E-147	265	265	100 -	420	684	9724	9988
UN62106	Rsa1.0.01251.1	797	49873	0	796	800	99 -	1	797	5105	5904
UN62107	Rsa1.0.00642.1	582	201230	2.00E-75	171	180	95 +	12	186	160139	160318
UN62108	Rsa1.0.08779.1	746	6929	0	660	675	97 +	73	743	2430	3104
UN62109	Rsa1.0.33219.1	575	684	1.00E-149	321	338	94 +	90	424	1	333
UN62110	Rsa1.0.00314.1	673	96472	1.00E-172	313	314	99 -	269	581	39939	40252
UN62111	#	#	#	#	#	#	#	#	#	#	#
UN62112	Rsa1.0.02207.1	666	33914	0	547	547	100 +	69	615	1	547
UN62113	Rsa1.0.14192.1	101	3681	5.00E-16	43	43	100 +	1	43	3286	3328
UN62114	Rsa1.0.02573.1	459	29955	1.00E-174	310	310	100 -	1	310	19071	19380
UN62115	Rsa1.0.00577.1	773	174827	0	746	775	96 +	3	773	492	1266
UN62116	Rsa1.0.00612.1	846	72376	1.00E-152	273	273	100 -	483	755	63354	63626
UN62117	Rsa1.0.00180.1	441	114581	1.00E-118	218	219	99 +	166	384	110422	110640
UN62118	Rsa1.0.08361.1	716	7477	1.00E-163	298	299	99 -	419	716	5204	5502
UN62119	Rsa1.0.01364.1	641	47172	0	601	635	94 +	3	637	12009	12625
UN62120	Rsa1.0.03964.1	512	19835	0	454	477	95 +	37	512	6295	6770
UN62121	Rsa1.0.00127.1	780	127446	1.00E-149	271	272	99 -	3	274	100543	100814
UN62122	Rsa1.0.02451.1	392	31283	1.00E-145	338	361	93 +	2	359	2266	2623
UN62123	Rsa1.0.00577.1	618	174827	1.00E-154	279	280	99 +	187	466	165762	166041
UN62124	Rsa1.0.08811.1	489	6904	0	465	483	96 +	2	476	1972	2451
UN62125	Rsa1.0.00536.1	467	77199	1.00E-131	260	266	97 -	4	268	43767	44032

UN62126	Rsa1.0_14249.1	220	3618	1.00E-116	218	220	99 +	1	220	1181	1400
UN62127	Rsa1.0_00623.1	268	207630	1.00E-142	265	268	98 +	1	268	180523	180790
UN62128	Rsa1.0_00065.1	739	454616	1.00E-110	227	235	96 +	7	241	8975	9209
UN62129	Rsa1.0_03365.1	819	23410	1.00E-102	204	209	97 -	210	418	6621	6829
UN62130	Rsa1.0_00865.1	445	61686	3.00E-61	123	124	99 -	141	264	29095	29218
UN62131	Rsa1.0_00064.1	748	240927	0	453	472	95 -	117	586	126299	126767
UN62132	Rsa1.0_01171.1	697	51752	3.00E-93	177	178	99 -	3	180	19820	19997
UN62133	Rsa1.0_00512.1	350	200277	0	350	353	99 -	1	350	56849	57201
UN62134	Rsa1.0_00630.1	606	71281	0	455	461	98 +	17	477	3790	4250
UN62135	Rsa1.0_00036.1	671	176186	3.00E-50	182	206	88 -	464	668	152697	152901
UN62136	Rsa1.0_04153.1	407	18807	1.00E-127	264	275	96 +	131	405	16137	16411
UN62137	Rsa1.0_00131.1	629	432233	1.00E-121	223	224	99 +	2	225	107509	107732
UN62138	Rsa1.0_00251.1	691	303968	6.00E-11	69	80	86 +	413	492	146599	146678
UN62139	Rsa1.0_02368.1	728	32096	3.00E-50	255	300	85 -	97	391	26556	26853
UN62140	Rsa1.0_02583.1	726	29887	0	384	388	98 +	3	390	16794	17181
UN62141	Rsa1.0_09810.1	735	6140	0	372	376	98 +	3	377	5765	6140
UN62142	Rsa1.0_00695.1	356	68019	1.00E-110	247	262	94 -	84	345	2022	2283
UN62143	Rsa1.0_01828.1	758	38681	0	730	735	99 -	11	741	13143	13877
UN62144	Rsa1.0_00635.1	674	175826	1.00E-118	236	243	97 +	296	538	104827	105069
UN62145	Rsa1.0_00600.1	763	73395	1.00E-112	285	307	92 +	426	728	68561	68864
UN62146	Rsa1.0_01377.1	717	46967	0	524	538	97 -	179	715	11167	11702
UN62147	Rsa1.0_01644.1	649	41754	2.00E-75	205	226	90 +	53	264	36457	36679
UN62148	Rsa1.0_00883.1	677	61230	4.00E-83	185	193	95 -	201	392	48842	49034
UN62149	Rsa1.0_00306.1	787	146760	1.00E-131	302	322	93 -	466	786	98359	98680
UN62150	Rsa1.0_03387.1	750	23278	4.00E-74	157	162	96 +	152	313	1409	1570
UN62151	Rsa1.0_00263.1	811	224968	6.00E-64	125	125	100 +	168	292	149941	150065
UN62152	Rsa1.0_02567.1	689	30016	0	633	636	99 +	54	689	22224	22859
UN62153	Rsa1.0_01462.1	637	45231	1.00E-103	194	195	99 +	440	634	27589	27783
UN62154	Rsa1.0_00387.1	512	495407	1.00E-111	222	228	97 +	249	476	471842	472069
UN62155	Rsa1.0_04446.1	283	17317	1.00E-124	271	284	95 -	1	283	697	977
UN62156	Rsa1.0_00120.1	750	277288	0	525	529	99 +	1	529	252738	253266
UN62157	Rsa1.0_01809.1	536	39004	0	523	530	98 -	1	527	30598	31127
UN62158	Rsa1.0_01615.1	809	42145	0	765	809	94 +	2	809	6379	7185
UN62159	Rsa1.0_02316.1	773	32608	0	757	765	98 -	3	762	6053	6817
UN62160	Rsa1.0_15913.1	696	2362	2.00E-17	158	190	83 -	508	689	960	1147
UN62161	Rsa1.0_01531.1	741	43778	0	464	483	96 +	3	485	14967	15449
UN62162	Rsa1.0_06619.1	696	10650	1.00E-117	214	214	100 -	117	330	3537	3750
UN62163	Rsa1.0_00133.1	837	123768	0	808	831	97 +	3	830	23124	23951
UN62164	Rsa1.0_01036.1	797	55978	0	731	759	96 -	3	756	40985	41737

UN62165	Rsa1.0.01300.1	659	48942	2.00E-72	190	207	91 +	205	411	27015	27221
UN62166	Rsa1.0.32888.1	661	691	0	584	622	93 +	6	617	71	691
UN62167	Rsa1.0.02173.1	537	34318	0	471	484	97 +	60	537	14926	15406
UN62168	Rsa1.0.11516.1	381	5481	1.00E-118	221	223	99 -	3	225	1682	1904
UN62169	Rsa1.0.03327.1	770	23707	0	765	770	99 +	3	769	6262	7031
UN62170	Rsa1.0.02992.1	769	26176	1.00E-116	219	221	99 +	444	664	237	457
UN62171	Rsa1.0.01248.1	762	154103	0	728	758	96 +	6	762	7034	7791
UN62172	Rsa1.0.01100.1	679	54113	2.00E-91	171	171	100 -	261	431	35688	35858
UN62173	Rsa1.0.02993.1	542	26170	0	537	541	99 +	2	542	10852	11390
UN62174	Rsa1.0.07311.1	430	9567	0	428	429	99 +	2	430	8329	8757
UN62175	Rsa1.0.00910.1	710	59975	0	705	709	99 -	4	710	24051	24759
UN62176	Rsa1.0.03895.1	717	20206	1.00E-178	335	341	98 -	280	620	15359	15699
UN62177	Rsa1.0.00980.1	737	57729	1.00E-143	258	258	100 +	480	737	49031	49288
UN62178	Rsa1.0.06673.1	448	10562	6.00E-84	179	186	96 +	3	188	492	677
UN62179	Rsa1.0.01814.1	746	38917	0	649	657	98 -	2	657	25714	26370
UN62180	Rsa1.0.05140.1	768	14710	3.00E-96	239	256	93 -	3	258	12012	12261
UN62181	Rsa1.0.00101.1	733	267193	0	421	442	95 -	279	715	105441	105880
UN62182	Rsa1.0.01740.1	729	39986	0	408	419	97 -	2	420	24972	25390
UN62183	Rsa1.0.31792.1	768	718	0	568	617	92 -	1	617	1	617
UN62184	Rsa1.0.00218.1	315	201480	1.00E-130	279	295	94 +	1	295	178413	178698
UN62185	Rsa1.0.01388.1	690	46741	1.00E-108	219	223	98 +	470	690	19510	19732
UN62186	Rsa1.0.00028.1	714	293984	1.00E-174	322	325	99 +	391	714	123194	123518
UN62187	Rsa1.0.00737.1	373	66432	1.00E-115	220	223	98 -	67	289	62534	62756
UN62188	Rsa1.0.00715.1	482	67116	6.00E-75	233	257	90 -	222	474	40328	40581
UN62189	Rsa1.0.00293.1	760	339294	0	754	759	99 +	2	755	177495	178253
UN62190	Rsa1.0.00104.1	570	368722	2.00E-93	187	190	98 +	382	570	66139	66328
UN62191	Rsa1.0.00008.1	607	358124	0	403	411	98 +	199	607	5892	6302
UN62192	Rsa1.0.03366.1	266	23401	2.00E-36	109	114	95 +	153	262	9413	9526
UN62193	Rsa1.0.09071.1	331	6671	0	331	331	100 -	1	331	1045	1375
UN62194	Rsa1.0.00001.1	250	363028	1.00E-123	246	253	97 +	1	250	35738	35990
UN62195	Rsa1.0.04714.1	634	146738	0	631	632	99 -	3	634	143599	144230
UN62196	Rsa1.0.06169.1	753	11578	1.00E-136	306	327	93 +	1	326	6717	7031
UN62197	Rsa1.0.01054.1	599	55470	0	465	491	94 -	117	599	42655	43145
UN62198	Rsa1.0.01458.1	779	175719	0	737	772	95 +	7	775	12019	12790
UN62199	Rsa1.0.00652.1	761	70089	0	420	438	95 +	325	761	26027	26464
UN62200	Rsa1.0.01012.1	455	56836	3.00E-98	188	190	98 +	42	231	39690	39879
UN62201	Rsa1.0.01989.1	609	36439	1.00E-85	170	173	98 +	103	275	22104	22276
UN62202	Rsa1.0.02900.1	679	26928	3.00E-96	243	262	92 +	412	673	16858	17116
UN62203	Rsa1.0.08274.1	782	7616	1.00E-159	285	285	100 -	3	287	2731	3015

UN62204	Rsa1.0.05306.1	524	14205	0	354	355	99 +	170	524	5410	5764
UN62205	Rsa1.0.00225.1	631	105892	4.00E-92	215	227	94 -	1	226	70755	70979
UN62206	Rsa1.0.02599.1	643	29660	6.00E-54	138	145	95 +	416	557	3839	3980
UN62207	Rsa1.0.00172.1	667	115476	0	347	353	98 -	315	667	34	386
UN62208	Rsa1.0.00962.1	702	184909	1.00E-112	215	217	99 +	410	624	22393	22609
UN62209	Rsa1.0.00370.1	679	90472	0	646	679	95 -	4	679	38385	39048
UN62210	#	#	#	#	#	#	#	#	#	#	#
UN62211	Rsa1.0.17503.1	576	1814	2.00E-96	182	183	99 -	394	576	643	825
UN62212	Rsa1.0.00116.1	653	365886	0	649	652	99 -	2	653	139111	139762
UN62213	Rsa1.0.00725.1	699	66757	0	585	588	99 +	76	663	43131	43718
UN62214	Rsa1.0.00203.1	706	109129	1.00E-130	260	268	97 -	43	310	83780	84047
UN62215	Rsa1.0.00367.1	483	90750	0	348	349	99 +	1	349	84932	85280
UN62216	Rsa1.0.00018.1	729	410899	0	369	369	100 -	126	494	96206	96574
UN62217	Rsa1.0.00002.1	331	601661	3.00E-79	150	150	100 +	3	152	242443	242592
UN62218	Rsa1.0.00153.1	590	192931	0	587	588	99 +	3	590	141593	142180
UN62219	Rsa1.0.00454.1	599	216970	2.00E-94	200	204	98 +	365	565	166009	166212
UN62220	Rsa1.0.02713.1	657	28470	1.00E-148	269	270	99 -	4	273	9741	10010
UN62221	Rsa1.0.03119.1	662	25270	1.00E-103	191	191	100 +	14	204	21891	22081
UN62222	Rsa1.0.00663.1	828	164969	0	711	714	99 +	3	716	147509	148222
UN62223	Rsa1.0.01236.1	751	50156	1.00E-140	351	378	92 +	376	740	1951	2324
UN62224	Rsa1.0.07352.1	670	9518	1.00E-149	274	275	99 -	397	670	4827	5101
UN62225	Rsa1.0.01720.1	541	40358	1.00E-133	317	344	92 +	2	325	31031	31374
UN62226	Rsa1.0.00064.1	352	240927	2.00E-55	190	211	90 +	3	212	31058	31261
UN62227	Rsa1.0.03100.1	693	25411	1.00E-135	248	249	99 -	161	409	3588	3836
UN62228	Rsa1.0.00119.1	613	467509	0	604	613	98 +	1	613	235222	235834
UN62229	Rsa1.0.00245.1	808	103569	0	470	487	96 +	103	588	1543	2028
UN62230	Rsa1.0.00302.1	755	97521	1.00E-156	344	364	94 +	3	355	33883	34246
UN62231	Rsa1.0.00010.1	565	294827	0	440	454	96 +	103	554	176812	177264
UN62232	Rsa1.0.02192.1	583	171291	1.00E-124	232	234	99 -	1	234	12268	12501
UN62233	Rsa1.0.05273.1	697	14304	1.00E-143	294	305	96 +	3	301	13687	13991
UN62234	Rsa1.0.01434.1	768	45951	0	332	335	99 +	321	655	2951	3285
UN62235	Rsa1.0.06278.1	501	11333	1.00E-160	323	334	96 +	2	334	4816	5149
UN62236	Rsa1.0.01435.1	775	45942	1.00E-80	191	201	95 +	526	724	42964	43164
UN62237	Rsa1.0.03454.1	543	149870	1.00E-144	262	263	99 -	3	265	145511	145773
UN62238	Rsa1.0.00250.1	646	273771	0	538	556	96 +	4	553	262118	262667
UN62239	Rsa1.0.02223.1	742	152421	0	657	676	97 +	72	740	14168	14840
UN62240	Rsa1.0.14703.1	724	3143	0	515	542	95 +	185	724	1	542
UN62241	Rsa1.0.04116.1	705	18971	0	485	488	99 +	207	694	9867	10354
UN62242	Rsa1.0.00194.1	734	110851	0	383	385	99 -	235	618	70858	71241

UN62243	Rsa1.0_10941.1	615	5670	6.00E-88	295	337	87 -	269	604	4379	4715
UN62244	Rsa1.0_05465.1	796	13657	0	752	755	99 +	2	753	4819	5573
UN62245	Rsa1.0_00034.1	793	260119	3.00E-75	151	152	99 -	2	153	58507	58657
UN62246	Rsa1.0_00293.1	803	339294	1.00E-167	338	349	96 -	3	351	32826	33171
UN62247	Rsa1.0_09901.1	665	6099	0	475	501	94 -	2	498	5233	5730
UN62248	Rsa1.0_02394.1	576	31789	3.00E-31	82	86	95 -	491	576	5760	5845
UN62249	Rsa1.0_04243.1	714	18321	1.00E-138	268	274	97 -	70	343	8697	8970
UN62250	Rsa1.0_04399.1	578	17543	1.00E-164	310	316	98 +	203	518	11746	12061
UN62251	Rsa1.0_01581.1	803	42833	0	780	790	98 -	3	785	20002	20791
UN62252	Rsa1.0_00083.1	606	442773	1.00E-152	276	277	99 +	230	506	408068	408344
UN62253	Rsa1.0_39388.1	575	571	1.00E-153	278	279	99 -	257	535	1	279
UN62254	Rsa1.0_08558.1	741	7198	4.00E-74	207	227	91 -	483	695	3285	3510
UN62255	Rsa1.0_00240.1	679	104175	0	502	506	99 -	175	679	102462	102967
UN62256	Rsa1.0_00027.1	709	283362	2.00E-72	151	155	97 -	538	692	168867	169021
UN62257	Rsa1.0_02409.1	767	31663	0	575	624	92 -	132	749	24343	24948
UN62258	Rsa1.0_00152.1	648	257730	9.00E-78	201	218	92 +	174	391	200309	200523
UN62259	Rsa1.0_03982.1	752	19723	0	469	480	97 -	117	596	4841	5320
UN62260	Rsa1.0_06102.1	806	11740	1.00E-116	252	264	95 -	3	260	6539	6801
UN62261	Rsa1.0_00026.1	111	327835	9.00E-18	55	58	94 -	51	108	182364	182421
UN62262	Rsa1.0_00089.1	548	406142	1.00E-101	188	188	100 -	301	488	165182	165369
UN62263	Rsa1.0_27096.1	592	866	1.00E-140	256	257	99 +	336	592	335	591
UN62264	Rsa1.0_00681.1	376	68779	0	368	379	97 +	1	376	36592	36970
UN62265	Rsa1.0_00026.1	766	327835	1.00E-101	214	223	95 -	134	356	47923	48145
UN62266	Rsa1.0_21040.1	693	1242	1.00E-92	191	197	96 +	475	671	1	197
UN62267	Rsa1.0_11626.1	828	5456	7.00E-39	86	87	98 -	525	611	308	394
UN62268	Rsa1.0_01844.1	704	38421	1.00E-160	287	287	100 +	357	643	21524	21810
UN62269	Rsa1.0_15997.1	635	2328	0	386	387	99 +	3	389	1942	2328
UN62270	Rsa1.0_00683.1	522	68638	0	488	523	93 -	3	522	958	1472
UN62271	Rsa1.0_00426.1	746	85668	0	696	759	91 +	1	744	67038	67787
UN62272	Rsa1.0_02030.1	736	179909	1.00E-95	178	178	100 -	257	434	14365	14542
UN62273	Rsa1.0_00926.1	716	195072	0	539	555	97 +	2	556	40462	41016
UN62274	Rsa1.0_00638.1	710	71037	1.00E-174	336	345	97 +	364	708	37998	38342
UN62275	Rsa1.0_00554.1	605	150953	4.00E-95	264	287	91 +	324	605	141702	141986
UN62276	Rsa1.0_15510.1	489	2565	0	440	442	99 -	48	489	1622	2063
UN62277	Rsa1.0_06336.1	739	11215	1.00E-177	343	352	97 +	1	349	8279	8624
UN62278	Rsa1.0_01960.1	758	36766	1.00E-80	207	223	92 -	3	221	34918	35140
UN62279	Rsa1.0_00040.1	735	324196	3.00E-81	157	158	99 -	3	160	284540	284697
UN62280	Rsa1.0_05496.1	738	13533	1.00E-160	301	306	98 -	158	463	2002	2307
UN62281	Rsa1.0_00765.1	708	65029	1.00E-125	331	365	90 -	234	586	35782	36140

UN62282	Rsa1.0_20130.1	764	1337	3.00E-25	138	156	88 +	608	758	321	475
UN62283	Rsa1.0_18011.1	790	1690	1.00E-147	268	269	99 -	3	271	1	269
UN62284	Rsa1.0_01925.1	744	37220	1.00E-151	300	308	97 +	3	310	5430	5736
UN62285	Rsa1.0_18008.1	742	1691	1.00E-143	266	269	98 -	391	659	1423	1691
UN62286	Rsa1.0_00178.1	624	114861	1.00E-158	313	323	96 -	10	332	95456	95778
UN62287	Rsa1.0_01171.1	813	51752	1.00E-117	217	218	99 +	135	352	49854	50071
UN62288	Rsa1.0_00001.1	826	363028	1.00E-149	268	268	100 +	337	604	357259	357526
UN62289	Rsa1.0_00211.1	799	228189	0	587	600	97 -	191	782	171169	171768
UN62290	Rsa1.0_00129.1	612	126831	1.00E-135	253	256	98 -	130	385	68294	68549
UN62291	Rsa1.0_04497.1	737	17103	1.00E-134	243	243	100 +	123	365	3083	3325
UN62292	Rsa1.0_00382.1	717	251946	1.00E-167	334	346	96 +	193	538	33538	33883
UN62293	Rsa1.0_02039.1	678	35699	1.00E-155	341	358	95 -	1	355	4243	4600
UN62294	Rsa1.0_00999.1	758	57162	4.00E-80	155	156	99 +	231	386	31117	31272
UN62295	Rsa1.0_00460.1	475	206387	1.00E-100	245	263	93 +	110	367	187529	187786
UN62296	Rsa1.0_01980.1	621	36544	1.00E-161	287	287	100 -	1	287	35601	35887
UN62297	Rsa1.0_11229.1	812	5576	0	668	687	97 +	133	805	4418	5104
UN62298	Rsa1.0_00087.1	565	761073	0	519	574	90 +	10	565	180723	181290
UN62299	Rsa1.0_75837.1	448	302	1.00E-166	296	296	100 +	91	386	1	296
UN62300	Rsa1.0_00549.1	737	76473	1.00E-113	327	362	90 -	190	546	21577	21917
UN62301	Rsa1.0_01895.1	770	37512	0	454	455	99 +	3	457	22555	23009
UN62302	Rsa1.0_14175.1	257	3704	4.00E-99	203	207	98 +	6	210	2461	2667
UN62303	Rsa1.0_00580.1	759	74515	0	752	764	98 -	1	757	18370	19133
UN62304	Rsa1.0_00211.1	778	228189	1.00E-114	226	230	98 -	184	412	16550	16779
UN62305	Rsa1.0_01182.1	449	167304	1.00E-125	228	228	100 -	38	265	165655	165882
UN62306	Rsa1.0_00053.1	755	263459	1.00E-168	341	355	96 +	15	369	158935	159289
UN62307	Rsa1.0_00459.1	544	82580	0	520	535	97 +	12	544	10571	11103
UN62308	Rsa1.0_00363.1	159	90968	8.00E-78	153	155	98 +	2	156	24474	24628
UN62309	Rsa1.0_02580.1	608	29909	1.00E-116	215	216	99 -	1	216	25652	25867
UN62310	Rsa1.0_05495.1	794	13534	1.00E-179	383	394	97 -	366	750	548	941
UN62311	Rsa1.0_00455.1	772	224823	1.00E-171	312	313	99 -	441	752	188127	188439
UN62312	Rsa1.0_01287.1	639	49195	0	638	640	99 +	1	639	24265	24904
UN62313	Rsa1.0_00678.1	770	193163	0	766	773	99 -	1	769	178665	179437
UN62314	Rsa1.0_06047.1	697	11854	0	524	529	99 -	170	697	6840	7368
UN62315	Rsa1.0_02414.1	802	31625	1.00E-137	256	258	99 -	3	258	21576	21833
UN62316	Rsa1.0_00026.1	794	327835	1.00E-159	308	315	97 -	4	316	253028	253342
UN62317	Rsa1.0_24144.1	595	1005	1.00E-118	223	224	99 -	372	595	736	958
UN62318	Rsa1.0_01338.1	657	155644	0	652	657	99 -	1	657	110290	110946
UN62319	Rsa1.0_00442.1	817	84596	0	809	821	98 +	2	817	45590	46410
UN62320	Rsa1.0_00372.1	683	90418	1.00E-109	204	205	99 -	328	532	4922	5126

UN62321	Rsa1.0.55096.1	551	415	1.00E-152	273	273	100 +	97	369	102	374
UN62322	Rsa1.0.02314.1	801	32642	0	361	363	99 -	132	494	5396	5758
UN62323	Rsa1.0.09314.1	811	6461	0	775	805	96 +	31	811	3997	4801
UN62324	Rsa1.0.38396.1	762	586	1.00E-113	214	215	99 +	481	694	309	523
UN62325	Rsa1.0.01016.1	751	181422	8.00E-97	186	188	98 -	2	189	36095	36282
UN62326	Rsa1.0.09594.1	756	6263	4.00E-68	135	136	99 -	3	138	3976	4111
UN62327	Rsa1.0.01976.1	693	36570	1.00E-135	322	351	91 -	332	682	22609	22940
UN62328	Rsa1.0.00202.1	435	185895	1.00E-118	216	216	100 +	1	216	11698	11913
UN62329	Rsa1.0.00009.1	595	232558	1.00E-159	314	323	97 +	206	526	128366	128688
UN62330	Rsa1.0.00387.1	677	495407	0	377	384	98 +	296	677	30529	30912
UN62331	Rsa1.0.01083.1	681	54617	0	612	628	97 +	48	674	8204	8828
UN62332	Rsa1.0.04655.1	777	16495	0	343	348	98 +	3	350	7168	7515
UN62333	Rsa1.0.00269.1	592	341668	0	585	610	95 -	1	592	316211	316818
UN62334	Rsa1.0.00817.1	598	62961	2.00E-66	159	169	94 +	2	170	20046	20214
UN62335	Rsa1.0.00006.1	805	396176	3.00E-93	189	194	97 -	337	530	371649	371842
UN62336	Rsa1.0.01544.1	796	185602	0	699	720	97 +	3	721	182817	183530
UN62337	Rsa1.0.01059.1	825	55410	0	331	331	100 -	2	332	13423	13753
UN62338	Rsa1.0.00549.1	703	76473	5.00E-98	182	182	100 -	345	526	8328	8509
UN62339	Rsa1.0.02686.1	408	28666	2.00E-68	135	136	99 +	273	408	5916	6051
UN62340	Rsa1.0.08837.1	791	6874	0	347	348	99 -	232	579	1521	1868
UN62341	Rsa1.0.01737.1	508	40101	0	493	506	97 +	3	508	1727	2226
UN62342	Rsa1.0.00857.1	766	61904	0	598	616	97 +	89	704	11594	12209
UN62343	Rsa1.0.00608.1	718	172672	1.00E-169	324	329	98 +	393	718	100163	100491
UN62344	Rsa1.0.00686.1	606	68511	2.00E-93	177	178	99 -	184	361	55858	56035
UN62345	Rsa1.0.31200.1	778	733	0	350	355	98 -	394	748	49	403
UN62346	Rsa1.0.00156.1	795	118383	1.00E-167	366	385	95 -	290	665	54651	55035
UN62347	Rsa1.0.00483.1	606	81102	9.00E-90	189	196	96 -	3	198	39282	39477
UN62348	Rsa1.0.00244.1	792	103590	0	708	740	95 -	3	733	21927	22660
UN62349	Rsa1.0.00469.1	786	82084	1.00E-159	291	293	99 -	3	295	58757	59049
UN62350	Rsa1.0.01758.1	771	39747	1.00E-174	366	381	96 -	394	771	37188	37568
UN62351	Rsa1.0.04961.1	653	15316	0	627	653	96 +	3	653	1452	2095
UN62352	Rsa1.0.00023.1	635	194764	1.00E-105	222	230	96 -	341	569	123646	123875
UN62353	Rsa1.0.01185.1	636	149842	1.00E-169	305	306	99 +	331	636	11446	11751
UN62354	Rsa1.0.00545.1	693	189649	0	507	511	99 +	7	517	29596	30105
UN62355	Rsa1.0.00380.1	761	89748	0	431	462	93 -	217	672	57690	58139
UN62356	Rsa1.0.02256.1	575	33329	1.00E-161	320	331	96 -	3	333	26782	27112
UN62357	Rsa1.0.00194.1	283	110851	1.00E-114	215	217	99 -	3	219	19390	19606
UN62358	Rsa1.0.00602.1	669	73302	0	467	478	97 -	129	606	64379	64855
UN62359	Rsa1.0.02422.1	283	161122	1.00E-148	277	281	98 +	3	283	11205	11485

UN62360	Rsa1.0.06603.1	725	10682	1.00E-109	224	232	96 +	206	437	6948	7179
UN62361	Rsa1.0.00218.1	777	201480	1.00E-119	233	237	98 +	3	239	108698	108933
UN62362	Rsa1.0.00641.1	287	208241	1.00E-114	208	208	100 +	62	269	168484	168691
UN62363	Rsa1.0.00611.1	696	72410	0	521	530	98 +	165	692	43472	44001
UN62364	Rsa1.0.01400.1	653	46560	0	343	345	99 +	3	347	152	496
UN62365	Rsa1.0.00940.1	642	179946	0	522	545	95 +	94	638	56107	56639
UN62366	Rsa1.0.00107.1	581	431659	0	580	580	100 +	2	581	286274	286853
UN62367	Rsa1.0.00442.1	775	84596	1.00E-173	345	354	97 -	424	775	51055	51405
UN62368	Rsa1.0.02120.1	802	34819	0	459	461	99 +	3	463	29370	29830
UN62369	Rsa1.0.02694.1	723	28610	0	417	418	99 +	43	460	4461	4878
UN62370	Rsa1.0.02146.1	704	34625	1.00E-108	233	243	95 +	457	698	28384	28626
UN62371	Rsa1.0.00066.1	682	152418	1.00E-178	320	321	99 -	247	567	101686	102006
UN62372	Rsa1.0.00087.1	808	761073	1.00E-151	314	328	95 -	3	330	57105	57432
UN62373	Rsa1.0.02320.1	759	32575	0	696	699	99 +	60	755	13413	14111
UN62374	Rsa1.0.00269.1	761	341668	0	433	449	96 -	125	572	293910	294358
UN62375	Rsa1.0.01937.1	710	37147	0	623	670	92 -	3	671	32247	32892
UN62376	Rsa1.0.03441.1	805	22927	0	705	711	99 +	1	711	16725	17435
UN62377	Rsa1.0.00233.1	680	104918	1.00E-58	116	116	100 +	2	117	7845	7960
UN62378	Rsa1.0.00780.1	503	147795	0	465	502	92 -	2	503	25646	26118
UN62379	Rsa1.0.00044.1	750	271658	0	747	753	99 +	1	750	169988	170740
UN62380	Rsa1.0.00427.1	795	189678	0	348	350	99 -	92	441	124873	125222
UN62381	Rsa1.0.01400.1	743	46560	1.00E-151	340	361	94 -	398	743	41142	41502
UN62382	Rsa1.0.03639.1	351	21629	2.00E-65	133	135	98 -	217	351	351	485
UN62383	Rsa1.0.00002.1	613	601661	0	507	531	95 +	85	613	180215	180745
UN62384	Rsa1.0.09321.1	274	6456	2.00E-61	129	132	97 -	138	269	1681	1812
UN62385	Rsa1.0.01747.1	840	39881	0	664	688	96 +	123	803	10093	10780
UN62386	Rsa1.0.05911.1	647	12261	1.00E-160	325	337	96 +	314	647	991	1327
UN62387	Rsa1.0.00542.1	708	76831	1.00E-155	287	290	98 -	3	292	24034	24323
UN62388	Rsa1.0.04911.1	837	15483	1.00E-135	271	277	97 -	423	697	8461	8737
UN62389	Rsa1.0.00816.1	606	403350	0	376	377	99 +	3	379	267869	268245
UN62390	Rsa1.0.15250.1	747	2727	0	741	747	99 +	2	745	656	1402
UN62391	Rsa1.0.00574.1	807	74797	0	458	464	98 +	3	462	68122	68584
UN62392	Rsa1.0.00409.1	758	146788	0	397	405	98 -	2	402	68281	68685
UN62393	Rsa1.0.45210.1	690	498	6.00E-79	156	158	98 +	78	235	141	298
UN62394	Rsa1.0.01529.1	791	43871	1.00E-131	332	359	92 -	3	356	25491	25832
UN62395	Rsa1.0.02198.1	758	33989	1.00E-125	252	260	96 -	3	262	12702	12961
UN62396	Rsa1.0.04670.1	754	16453	0	402	418	96 +	341	754	5440	5857
UN62397	Rsa1.0.19009.1	703	1495	0	426	438	97 +	171	608	770	1207
UN62398	Rsa1.0.00154.1	144	189461	1.00E-70	138	139	99 +	3	141	86468	86606

UN62399	Rsa1.0_30444.1	800	753	0	466	467	99 +	170	636	287	753
UN62400	Rsa1.0_02119.1	815	34833	0	777	813	95 +	3	807	5615	6415
UN62401	Rsa1.0_05122.1	772	14791	0	720	730	98 +	2	724	6707	7436
UN62402	Rsa1.0_02287.1	634	32986	1.00E-140	319	340	93 +	222	560	7100	7439
UN62403	Rsa1.0_00926.1	205	195072	1.00E-111	204	204	100 -	2	205	176310	176513
UN62404	Rsa1.0_00220.1	527	192936	1.00E-166	299	300	99 +	41	340	19048	19347
UN62405	Rsa1.0_04153.1	784	18807	1.00E-168	350	365	95 -	3	363	6301	6665
UN62406	Rsa1.0_00695.1	684	68019	0	397	400	99 -	287	684	1401	1800
UN62407	Rsa1.0_57544.1	796	398	0	390	398	97 +	387	781	1	398
UN62408	Rsa1.0_08143.1	787	7836	1.00E-169	304	305	99 +	74	378	3153	3457
UN62409	Rsa1.0_01101.1	783	54031	0	621	633	98 +	2	633	31207	31839
UN62410	Rsa1.0_00528.1	726	164755	9.00E-32	144	167	86 -	139	305	93704	93859
UN62411	Rsa1.0_00490.1	393	186713	0	386	392	98 +	2	393	49573	49964
UN62412	Rsa1.0_01416.1	684	46262	0	612	615	99 -	73	684	22989	23603
UN62413	Rsa1.0_13791.1	749	4330	1.00E-143	260	261	99 +	136	396	2597	2857
UN62414	Rsa1.0_00182.1	681	142305	0	342	347	98 +	265	611	51644	51990
UN62415	Rsa1.0_01258.1	460	49755	1.00E-105	219	226	96 -	236	460	22263	22488
UN62416	Rsa1.0_00131.1	750	432233	2.00E-82	196	209	93 +	63	271	161995	162199
UN62417	Rsa1.0_00761.1	799	65133	1.00E-105	268	281	95 +	530	799	62157	62437
UN62418	Rsa1.0_06455.1	685	10983	0	680	689	98 -	3	685	6804	7492
UN62419	Rsa1.0_00527.1	766	77733	1.00E-148	348	375	92 -	291	665	54819	55189
UN62420	Rsa1.0_05758.1	725	12721	1.00E-166	332	343	96 -	27	366	3474	3816
UN62421	Rsa1.0_62130.1	441	369	1.00E-180	348	357	97 -	85	438	13	369
UN62422	Rsa1.0_00166.1	705	240912	0	683	686	99 +	13	696	134253	134938
UN62423	Rsa1.0_00661.1	701	213041	1.00E-98	265	297	89 +	228	524	24663	24935
UN62424	Rsa1.0_00002.1	251	601661	1.00E-114	239	249	95 -	3	251	20760	21008
UN62425	Rsa1.0_08916.1	179	6792	7.00E-60	127	129	98 +	5	133	4248	4375
UN62426	Rsa1.0_11060.1	721	5629	1.00E-127	231	231	100 -	350	580	1009	1239
UN62427	Rsa1.0_00335.1	772	94371	1.00E-117	220	222	99 -	3	224	17542	17763
UN62428	Rsa1.0_00085.1	816	142226	0	487	508	95 +	243	745	20681	21188
UN62429	Rsa1.0_00050.1	700	237174	0	352	357	98 +	344	700	14027	14383
UN62430	Rsa1.0_03912.1	661	135266	1.00E-152	321	334	96 -	248	576	2247	2580
UN62431	Rsa1.0_00139.1	759	357786	0	387	402	96 -	172	570	138526	138927
UN62432	Rsa1.0_02123.1	779	149053	0	626	634	98 +	23	656	17326	17958
UN62433	Rsa1.0_05382.1	589	13963	0	478	526	90 -	15	515	9762	10281
UN62434	Rsa1.0_00284.1	420	323267	1.00E-145	387	419	92 +	2	413	297201	297612
UN62435	Rsa1.0_00009.1	799	232558	1.00E-140	305	320	95 -	92	410	13153	13465
UN62436	Rsa1.0_04141.1	652	18864	1.00E-108	209	211	99 +	1	210	14213	14423
UN62437	Rsa1.0_00315.1	731	96426	0	348	351	99 +	353	702	19802	20152

UN62438	Rsa1.0.01143.1	769	52456	0	549	573	95 -	196	762	20773	21345
UN62439	Rsa1.0.00038.1	726	314568	1.00E-166	297	297	100 +	1	297	196269	196565
UN62440	Rsa1.0.00080.1	780	190437	3.00E-81	163	166	98 +	134	299	65281	65446
UN62441	Rsa1.0.07056.1	807	9969	0	550	574	95 +	207	766	6091	6661
UN62442	Rsa1.0.47137.1	774	479	0	475	480	98 -	64	542	1	479
UN62443	Rsa1.0.04867.1	640	15670	0	637	640	99 -	1	640	2585	3224
UN62444	Rsa1.0.01506.1	662	44370	4.00E-46	143	159	89 -	1	159	44120	44278
UN62445	Rsa1.0.00417.1	266	395068	1.00E-107	242	257	94 -	1	257	259251	259507
UN62446	Rsa1.0.14084.1	704	3822	1.00E-150	285	290	98 +	239	528	459	748
UN62447	Rsa1.0.16116.1	762	2278	1.00E-161	294	296	99 -	285	580	388	683
UN62448	Rsa1.0.03134.1	550	145023	1.00E-164	292	292	100 +	1	292	4876	5167
UN62449	Rsa1.0.03029.1	650	25858	0	437	459	95 -	1	459	18553	19009
UN62450	Rsa1.0.08961.1	773	6750	0	357	364	98 +	2	365	4389	4752
UN62451	Rsa1.0.00721.1	619	66918	0	619	619	100 -	1	619	28867	29485
UN62452	Rsa1.0.01796.1	701	39154	1.00E-171	307	308	99 -	1	308	16683	16990
UN62453	Rsa1.0.02430.1	131	31506	1.00E-23	65	68	95 +	60	127	13146	13213
UN62454	Rsa1.0.00792.1	242	64163	7.00E-67	150	157	95 -	62	218	6424	6580
UN62455	Rsa1.0.00190.1	643	318240	0	457	465	98 -	2	464	20540	21001
UN62456	Rsa1.0.01094.1	395	167285	1.00E-107	226	235	96 -	7	238	12558	12792
UN62457	Rsa1.0.00852.1	277	62179	2.00E-76	148	149	99 -	52	200	46196	46344
UN62458	Rsa1.0.04787.1	821	15987	0	536	556	96 -	99	654	1961	2516
UN62459	Rsa1.0.00216.1	733	197563	0	633	666	95 +	5	662	16553	17212
UN62460	Rsa1.0.01485.1	718	44797	0	717	717	100 +	2	718	15815	16531
UN62461	Rsa1.0.02502.1	770	30740	0	757	771	98 -	1	770	10251	11021
UN62462	Rsa1.0.04431.1	704	17389	0	550	588	93 +	117	703	16716	17303
UN62463	Rsa1.0.03553.1	793	22150	1.00E-177	341	348	97 +	1	343	14880	15227
UN62464	Rsa1.0.00651.1	459	247766	0	455	459	99 +	1	459	105382	105840
UN62465	Rsa1.0.02963.1	194	26407	5.00E-33	87	92	94 +	25	116	4498	4589
UN62466	Rsa1.0.00811.1	710	63242	0	342	343	99 -	1	342	19065	19407
UN62467	Rsa1.0.00928.1	101	59293	3.00E-17	57	61	93 +	6	66	21665	21725
UN62468	Rsa1.0.00335.1	722	94371	0	426	451	94 +	270	720	80250	80693
UN62469	Rsa1.0.02215.1	443	33822	1.00E-170	302	302	100 +	1	302	16169	16470
UN62470	Rsa1.0.09661.1	244	6226	1.00E-102	225	237	94 -	8	244	3	239
UN62471	Rsa1.0.02015.1	792	36008	1.00E-125	237	240	98 +	300	539	2837	3076
UN62472	Rsa1.0.01292.1	723	175783	0	668	693	96 +	3	692	145968	146660
UN62473	Rsa1.0.01311.1	807	48456	0	401	402	99 -	1	402	16788	17189
UN62474	Rsa1.0.00628.1	804	214360	1.00E-156	440	489	89 +	126	611	67098	67583
UN62475	Rsa1.0.00305.1	781	97308	0	770	781	98 +	1	780	15771	16551
UN62476	Rsa1.0.02523.1	750	30527	0	531	538	98 +	5	542	8821	9358

UN62477	Rsa1.0_15387.1	465	2642	1.00E-171	326	333	97 +	3	335	2073	2405
UN62478	Rsa1.0_00106.1	809	133916	0	653	677	96 -	1	676	93075	93744
UN62479	Rsa1.0_00029.1	804	272992	0	600	663	90 +	142	804	196804	197460
UN62480	Rsa1.0_00611.1	199	72410	2.00E-94	194	199	97 +	1	199	22119	22316
UN62481	Rsa1.0_00645.1	573	189716	2.00E-66	444	545	81 -	36	569	161984	162491
UN62482	Rsa1.0_06978.1	680	10073	0	644	682	94 +	2	680	1832	2489
UN62483	Rsa1.0_00105.1	120	134138	1.00E-41	107	114	93 +	7	120	122257	122370
UN62484	Rsa1.0_33901.1	265	668	3.00E-75	161	167	96 -	1	167	139	305
UN62485	Rsa1.0_08223.1	750	7700	0	490	491	99 -	1	491	4843	5333
UN62486	Rsa1.0_06143.1	288	11634	1.00E-102	231	245	94 +	43	287	4551	4795
UN62487	Rsa1.0_00679.1	730	68971	1.00E-137	283	294	96 +	1	287	6832	7125
UN62488	Rsa1.0_00013.1	224	292129	2.00E-66	147	152	96 -	73	224	73072	73222
UN62489	Rsa1.0_25230.1	765	946	2.00E-66	163	172	94 +	225	396	757	925
UN62490	Rsa1.0_01148.1	855	52375	0	682	695	98 -	1	695	23102	23789
UN62491	Rsa1.0_41102.1	844	546	1.00E-172	357	372	95 -	171	541	1	369
UN62492	Rsa1.0_00110.1	561	132719	1.00E-156	285	287	99 -	3	289	114800	115086
UN62493	Rsa1.0_00464.1	696	82253	1.00E-130	251	256	98 +	311	566	53169	53424
UN62494	Rsa1.0_00471.1	166	81897	4.00E-30	67	67	100 +	69	135	46928	46994
UN62495	Rsa1.0_03427.1	173	22992	9.00E-47	114	119	95 -	1	119	13924	14041
UN62496	Rsa1.0_00198.1	830	222963	0	785	833	94 -	2	830	138226	139047
UN62497	Rsa1.0_07464.1	858	9328	0	579	606	95 +	1	600	3763	4368
UN62498	Rsa1.0_06002.1	650	11976	2.33E-156	288	296	97 +	198	490	5386	5681
UN62499	Rsa1.0_12327.1	192	5255	2.00E-38	90	93	96 +	94	186	961	1053
UN62500	Rsa1.0_00858.1	469	61892	0	467	469	99 -	1	469	5426	5894
UN62501	Rsa1.0_16344.1	752	2187	1.00E-119	227	230	98 +	409	638	874	1103
UN62502	Rsa1.0_01883.1	712	37661	3.00E-68	202	225	89 +	1	223	29778	29990
UN62503	Rsa1.0_00022.1	295	200461	1.00E-131	287	298	96 -	4	293	190493	190790
UN62504	Rsa1.0_00018.1	345	410899	6.00E-34	95	98	96 +	164	258	124353	124450
UN62505	Rsa1.0_00556.1	643	207212	0	604	648	93 -	5	643	37933	38575
UN62506	Rsa1.0_00206.1	628	109040	0	339	342	99 +	287	628	12094	12435
UN62507	Rsa1.0_00451.1	762	322533	0	469	487	96 -	1	484	49244	49725
UN62508	Rsa1.0_00265.1	698	220635	0	571	577	98 -	123	698	208388	208964
UN62509	Rsa1.0_00153.1	679	192931	1.00E-126	305	328	92 +	2	319	143094	143418
UN62510	Rsa1.0_08258.1	748	7649	1.00E-153	274	274	100 -	1	274	6849	7122
UN62511	Rsa1.0_38780.1	659	580	2.00E-50	123	130	94 +	330	459	96	225
UN62512	Rsa1.0_00243.1	834	103651	1.00E-178	392	414	94 +	413	824	92979	93389
UN62513	Rsa1.0_00152.1	495	257730	3.00E-95	259	283	91 +	1	278	250252	250529
UN62514	Rsa1.0_00759.1	375	65465	1.00E-179	359	373	96 -	1	373	56065	56437
UN62515	Rsa1.0_00087.1	113	761073	1.00E-23	83	88	94 +	3	90	192239	192323

UN62516	Rsa1.0.01222.1	591	50398	1.00E-151	271	271	100 +	319	589	35651	35921
UN62517	Rsa1.0.00167.1	751	116000	0	750	751	99 -	1	751	108149	108898
UN62518	Rsa1.0.00358.1	156	91293	4.00E-67	144	149	96 -	8	156	49095	49243
UN62519	Rsa1.0.00087.1	758	761073	1.00E-147	296	307	96 +	209	515	210545	210845
UN62520	Rsa1.0.00123.1	746	325650	0	466	469	99 -	216	682	220372	220840
UN62521	Rsa1.0.06170.1	663	11575	0	658	661	99 +	3	663	1854	2514
UN62522	Rsa1.0.01405.1	354	46445	1.00E-123	299	325	92 +	2	326	34096	34408
UN62523	Rsa1.0.00531.1	230	77387	1.00E-95	226	233	96 -	1	226	27125	27357
UN62524	Rsa1.0.00136.1	562	122464	4.00E-67	177	191	92 +	209	398	28826	29012
UN62525	Rsa1.0.01957.1	704	36844	0	434	456	95 -	242	695	25694	26148
UN62526	Rsa1.0.34500.1	709	656	1.00E-106	195	195	100 -	431	625	200	394
UN62527	Rsa1.0.01796.1	708	39154	0	699	708	98 -	3	708	21002	21709
UN62528	Rsa1.0.06151.1	783	11612	7.00E-79	159	162	98 +	2	163	8149	8310
UN62529	Rsa1.0.00826.1	288	166736	4.00E-56	125	129	96 +	163	288	155658	155786
UN62530	Rsa1.0.00104.1	583	368722	4.00E-15	190	239	79 -	116	354	351975	352213
UN62531	Rsa1.0.00145.1	623	261008	3.00E-80	194	208	93 -	396	603	73740	73947
UN62532	Rsa1.0.00857.1	330	61904	1.00E-158	317	328	96 +	1	328	14300	14624
UN62533	Rsa1.0.03605.1	135	21827	7.00E-50	112	116	96 -	1	116	20346	20461
UN62534	Rsa1.0.01663.1	187	168589	6.00E-82	172	178	96 +	10	187	138829	139006
UN62535	Rsa1.0.10474.1	470	5835	1.00E-131	265	274	96 -	1	274	5300	5573
UN62536	Rsa1.0.00087.1	462	761073	0	404	423	95 +	49	462	5463	5885
UN62537	Rsa1.0.01632.1	758	181224	1.00E-157	401	431	93 +	134	559	884	1304
UN62538	Rsa1.0.00441.1	800	84607	0	453	476	95 -	96	571	29577	30052
UN62539	Rsa1.0.03162.1	274	24895	1.00E-132	265	274	96 -	1	274	22632	22905
UN62540	Rsa1.0.01572.1	682	42995	0	666	701	95 +	1	682	6114	6806
UN62541	Rsa1.0.01004.1	837	56975	0	743	799	92 -	9	791	39474	40258
UN62542	Rsa1.0.00448.1	805	84048	0	797	805	99 +	3	805	15056	15860
UN62543	Rsa1.0.01393.1	684	46661	1.00E-118	243	251	96 +	1	251	41180	41429
UN62544	Rsa1.0.00293.1	222	339294	1.00E-105	215	222	96 +	1	222	4276	4497
UN62545	Rsa1.0.01106.1	539	53916	0	530	533	99 -	2	534	29717	30249
UN62546	Rsa1.0.02283.1	717	33024	9.00E-72	148	150	98 -	135	283	1250	1399
UN62547	Rsa1.0.01860.1	769	38057	0	344	345	99 +	2	346	21428	21772
UN62548	Rsa1.0.01172.1	325	51734	1.00E-127	305	330	92 -	1	325	27506	27835
UN62549	Rsa1.0.02990.1	588	26180	0	571	588	97 -	1	588	13680	14266
UN62550	Rsa1.0.00139.1	121	357786	5.00E-35	108	119	90 -	3	121	141851	141969
UN62551	Rsa1.0.03384.1	822	23291	0	502	509	98 -	1	505	12050	12558
UN62552	Rsa1.0.17419.1	118	1834	1.00E-47	108	112	96 +	1	112	1498	1609
UN62553	Rsa1.0.02559.1	763	30096	1.00E-109	368	416	88 -	357	763	19887	20289
UN62554	Rsa1.0.12152.1	647	5300	6.00E-17	71	78	91 +	67	143	621	698

UN62555	Rsa1.0.00247.1	720	103408	0	510	546	93 -	10	554	91993	92520
UN62556	Rsa1.0.01625.1	780	42019	1.00E-147	280	284	98 +	1	284	20450	20732
UN62557	Rsa1.0.00964.1	755	316648	0	547	558	98 +	1	555	3939	4496
UN62558	Rsa1.0.00844.1	498	62403	8.00E-62	124	125	99 -	333	457	55759	55883
UN62559	Rsa1.0.00417.1	752	395068	0	710	738	96 -	7	744	220606	221334
UN62560	Rsa1.0.03387.1	136	23278	9.00E-31	113	128	88 -	9	136	1832	1959
UN62561	Rsa1.0.03290.1	668	24011	0	584	625	93 -	70	668	6219	6842
UN62562	Rsa1.0.00522.1	710	78103	0	661	693	95 -	1	687	51939	52631
UN62563	Rsa1.0.03365.1	797	23410	0	389	395	98 -	406	797	12373	12767
UN62564	Rsa1.0.01809.1	332	39004	0	332	332	100 +	1	332	29902	30233
UN62565	Rsa1.0.00257.1	755	102407	0	429	430	99 +	1	430	80958	81387
UN62566	Rsa1.0.00928.1	219	59293	4.00E-37	88	91	96 +	74	164	29996	30086
UN62567	Rsa1.0.04153.1	167	18807	2.00E-56	147	159	92 +	4	162	5596	5754
UN62568	Rsa1.0.05499.1	909	13520	1.00E-114	225	229	98 -	4	231	12343	12571
UN62569	Rsa1.0.00755.1	285	192559	1.00E-125	269	283	95 -	3	285	139040	139322
UN62570	Rsa1.0.00211.1	465	228189	2.00E-87	215	231	93 +	1	231	170127	170355
UN62571	Rsa1.0.00479.1	250	81377	4.00E-62	124	125	99 -	123	247	28801	28925
UN62572	Rsa1.0.02356.1	704	141500	3.00E-99	246	266	92 -	270	532	138543	138808
UN62573	Rsa1.0.09671.1	433	6221	1.00E-159	326	340	95 +	90	429	3	342
UN62574	Rsa1.0.01036.1	713	55978	0	692	718	96 +	1	713	40237	40954
UN62575	Rsa1.0.03642.1	156	21609	7.00E-38	127	139	91 +	16	151	5391	5528
UN62576	Rsa1.0.00701.1	193	67691	1.00E-83	181	189	95 +	5	193	5418	5606
UN62577	Rsa1.0.00218.1	182	201480	3.00E-34	83	86	96 -	52	137	36625	36710
UN62578	Rsa1.0.00178.1	732	114861	0	663	705	94 +	30	732	93360	94053
UN62579	Rsa1.0.00005.1	300	353093	1.00E-124	284	303	93 +	1	300	122044	122346
UN62580	Rsa1.0.02992.1	528	26176	0	500	513	97 -	1	510	999	1508
UN62581	Rsa1.0.00016.1	421	831256	0	404	424	95 +	1	418	52528	52951
UN62582	Rsa1.0.02282.1	111	163951	9.00E-12	55	60	91 -	5	63	155088	155147
UN62583	Rsa1.0.03959.1	706	19866	0	670	714	93 -	2	706	9104	9805
UN62584	Rsa1.0.00777.1	719	191865	1.00E-154	303	310	97 -	1	306	182499	182807
UN62585	Rsa1.0.03119.1	155	25270	2.00E-75	152	155	98 -	1	155	24189	24343
UN62586	Rsa1.0.00910.1	762	59975	0	702	702	100 +	61	762	23345	24046
UN62587	Rsa1.0.02692.1	798	28626	1.00E-158	393	427	92 +	374	798	21962	22388
UN62588	Rsa1.0.01188.1	674	51362	0	672	674	99 -	1	674	35511	36184
UN62589	Rsa1.0.00119.1	715	467509	0	709	716	99 -	1	715	236487	237202
UN62590	Rsa1.0.01076.1	663	54835	0	381	400	95 +	264	663	4497	4896
UN62591	Rsa1.0.00628.1	505	214360	1.00E-113	288	314	91 -	1	312	184065	184378
UN62592	Rsa1.0.13895.1	704	4135	2.00E-79	172	179	96 +	399	577	2861	3039
UN62593	Rsa1.0.03005.1	687	26082	0	537	538	99 +	1	538	3547	4084

UN62594	Rsa1.0_00387.1	740	495407	1.00E-180	326	328	99 -	1	328	398452	398779
UN62595	Rsa1.0_09695.1	425	6206	0	385	402	95 +	1	402	1270	1671
UN62596	Rsa1.0_05465.1	750	13657	0	745	750	99 -	1	750	5873	6622
UN62597	Rsa1.0_00879.1	154	61297	1.00E-51	140	151	92 -	5	154	11184	11334
UN62598	Rsa1.0_00016.1	820	831256	1.00E-155	278	278	100 +	1	278	447830	448107
UN62599	Rsa1.0_02068.1	139	35432	8.00E-56	125	130	96 -	1	130	8081	8210
UN62600	Rsa1.0_03327.1	755	23707	0	460	472	97 -	3	473	8091	8562
UN62601	Rsa1.0_00101.1	145	267193	1.00E-39	133	147	90 +	1	145	105590	105736
UN62602	Rsa1.0_00229.1	781	105471	1.00E-153	293	297	98 +	1	294	6376	6672
UN62603	Rsa1.0_00028.1	745	293984	0	394	396	99 -	1	396	125589	125984
UN62604	Rsa1.0_02295.1	445	149884	1.00E-164	333	345	96 +	101	445	127178	127521
UN62605	Rsa1.0_00293.1	758	339294	0	756	756	100 -	1	756	177624	178379
UN62606	Rsa1.0_03366.1	735	23401	0	457	463	98 -	1	463	10224	10686
UN62607	Rsa1.0_04033.1	759	19481	1.00E-101	227	238	95 +	256	489	5297	5534
UN62608	Rsa1.0_00089.1	720	406142	0	699	721	96 +	1	720	403915	404630
UN62609	Rsa1.0_04243.1	793	18321	0	782	803	97 +	1	793	7283	8085
UN62610	Rsa1.0_01581.1	725	42833	0	725	725	100 +	1	725	19451	20175
UN62611	Rsa1.0_00083.1	652	442773	0	529	536	98 -	2	537	409132	409667
UN62612	Rsa1.0_00777.1	539	191865	0	511	539	94 -	1	539	13601	14120
UN62613	Rsa1.0_00019.1	542	301669	0	461	479	96 -	34	511	99010	99487
UN62614	#	#	#	#	#	#	#	#	#	#	#
UN62615	Rsa1.0_04831.1	612	15799	1.00E-147	273	276	98 +	1	276	663	938
UN62616	Rsa1.0_01384.1	537	46803	1.00E-54	172	193	89 +	319	511	33810	34002
UN62617	Rsa1.0_00984.1	685	57580	0	440	442	99 +	244	685	4416	4857
UN62618	Rsa1.0_00089.1	750	406142	0	746	750	99 +	1	750	163827	164576
UN62619	Rsa1.0_01099.1	158	158481	2.00E-72	150	154	97 -	5	158	132435	132588
UN62620	Rsa1.0_08365.1	572	7468	0	434	459	94 -	81	518	146	604
UN62621	Rsa1.0_00784.1	446	64359	1.00E-177	333	339	98 +	1	339	7628	7966
UN62622	Rsa1.0_00438.1	396	84861	1.00E-154	354	377	93 -	1	372	75306	75681
UN62623	Rsa1.0_00049.1	756	167018	0	500	525	95 -	1	525	134071	134580
UN62624	Rsa1.0_01458.1	789	175719	0	768	782	98 -	8	789	14526	15307
UN62625	Rsa1.0_00071.1	536	345714	0	519	538	96 -	1	536	105412	105943
UN62626	Rsa1.0_01976.1	138	36570	3.00E-27	62	62	100 -	1	62	747	808
UN62627	Rsa1.0_00123.1	805	325650	1.00E-152	288	293	98 -	1	293	227015	227307
UN62628	Rsa1.0_01844.1	803	38421	0	402	404	99 -	1	404	24175	24578
UN62629	Rsa1.0_01091.1	292	54383	2.00E-76	172	181	95 +	4	184	26746	26926
UN62630	Rsa1.0_12036.1	582	5335	0	377	380	99 -	2	381	1	380
UN62631	Rsa1.0_02030.1	813	179909	1.00E-128	238	240	99 +	268	507	12236	12475
UN62632	Rsa1.0_00712.1	673	67217	0	372	379	98 +	10	388	20254	20631

UN62633	Rsa1.0.00831.1	512	62673	0	377	395	95 +	1	391	22716	23110
UN62634	Rsa1.0.00638.1	694	71037	0	669	709	94 -	7	694	38403	39110
UN62635	Rsa1.0.00006.1	188	396176	3.00E-71	169	180	93 -	3	182	312603	312782
UN62636	Rsa1.0.00046.1	786	320315	0	330	331	99 +	2	332	90578	90908
UN62637	Rsa1.0.01506.1	319	44370	4.00E-47	217	256	84 +	1	248	31472	31714
UN62638	Rsa1.0.00562.1	495	75565	0	481	502	95 +	1	495	23891	24392
UN62639	Rsa1.0.00156.1	748	118383	0	685	714	95 +	2	706	54322	55035
UN62640	Rsa1.0.00471.1	309	81897	1.00E-137	293	307	95 +	3	308	66781	67087
UN62641	Rsa1.0.00178.1	732	114861	3.00E-87	236	261	90 +	2	261	30337	30580
UN62642	Rsa1.0.14279.1	786	3582	0	343	344	99 +	1	344	3239	3582
UN62643	Rsa1.0.08274.1	723	7616	0	675	686	98 +	2	687	74	756
UN62644	Rsa1.0.02711.1	850	28475	0	806	831	96 +	9	837	8774	9596
UN62645	Rsa1.0.02433.1	118	158318	2.00E-31	108	119	90 +	4	118	141350	141468
UN62646	Rsa1.0.01742.1	366	39962	1.00E-78	192	205	93 +	3	207	25946	26149
UN62647	Rsa1.0.02783.1	716	27927	1.00E-142	282	288	97 +	23	309	7399	7685
UN62648	Rsa1.0.00554.1	788	150953	0	722	739	97 +	42	780	51526	52264
UN62649	Rsa1.0.01311.1	816	48456	0	419	430	97 +	2	430	42972	43401
UN62650	Rsa1.0.00116.1	465	365886	0	461	465	99 +	2	465	137791	138255
UN62651	Rsa1.0.00725.1	786	66757	1.00E-114	210	210	100 -	1	210	45052	45261
UN62652	Rsa1.0.01400.1	864	46560	0	389	397	97 -	4	398	13162	13555
UN62653	Rsa1.0.03870.1	393	20362	1.00E-112	245	258	94 +	21	278	19547	19794
UN62654	Rsa1.0.01537.1	707	187285	0	698	707	98 +	1	707	167173	167879
UN62655	Rsa1.0.01099.1	774	158481	1.00E-143	261	262	99 +	274	535	4085	4346
UN62656	Rsa1.0.04198.1	197	18504	7.00E-91	190	197	96 -	1	197	15953	16149
UN62657	Rsa1.0.00817.1	449	62961	0	433	451	96 +	1	449	23198	23645
UN62658	Rsa1.0.05978.1	190	12053	9.00E-78	177	187	94 -	1	187	6833	7019
UN62659	Rsa1.0.01990.1	728	36431	0	540	605	89 +	126	728	32552	33143
UN62660	Rsa1.0.00483.1	709	81102	1.00E-151	316	330	95 +	1	327	37228	37553
UN62661	Rsa1.0.00373.1	792	90296	1.00E-118	222	224	99 +	330	553	73915	74138
UN62662	Rsa1.0.03213.1	513	24568	0	367	368	99 +	1	368	7407	7774
UN62663	Rsa1.0.00273.1	595	326186	1.00E-160	295	298	98 +	1	298	150580	150877
UN62664	Rsa1.0.18421.1	820	1602	0	718	721	99 +	1	719	662	1382
UN62665	Rsa1.0.00542.1	820	76831	0	665	697	95 +	1	697	22054	22735
UN62666	Rsa1.0.02198.1	802	33989	0	384	396	96 +	1	396	9320	9715
UN62667	Rsa1.0.01251.1	701	49873	0	699	701	99 +	1	701	3838	4538
UN62668	Rsa1.0.04383.1	178	17631	1.00E-70	166	178	93 +	1	178	9328	9495
UN62669	Rsa1.0.00974.1	807	57893	1.00E-138	257	258	99 -	2	259	36896	37152
UN62670	Rsa1.0.01573.1	456	42964	1.00E-135	321	344	93 -	89	427	4044	4385
UN62671	Rsa1.0.02240.1	165	153768	7.00E-72	158	165	95 +	1	165	145335	145499

UN62672	Rsa1.0_18634.1	693	1562	0	669	702	95 +	1	693	619	1317
UN62673	Rsa1.0_02872.1	835	27080	5.00E-92	268	301	89 +	82	369	22244	22544
UN62674	Rsa1.0_00110.1	765	132719	0	681	735	92 +	2	733	49711	50444
UN62675	Rsa1.0_01364.1	748	47172	1.00E-156	285	287	99 -	45	331	14811	15097
UN62676	Rsa1.0_03471.1	500	22678	1.00E-117	229	234	97 +	163	396	14969	15202
UN62677	Rsa1.0_00159.1	580	431686	0	400	404	99 -	1	401	9476	9879
UN62678	Rsa1.0_00108.1	762	478491	0	420	437	96 -	2	438	279966	280401
UN62679	Rsa1.0_14220.1	515	3652	1.00E-118	224	227	98 +	1	227	201	427
UN62680	Rsa1.0_00623.1	634	207630	0	626	634	98 -	1	634	180918	181551
UN62681	Rsa1.0_00865.1	796	61686	0	636	639	99 +	1	639	26294	26932
UN62682	Rsa1.0_01976.1	510	36570	1.00E-149	310	323	95 +	9	326	7788	8109
UN62683	Rsa1.0_02143.1	253	34632	1.00E-117	243	253	96 -	1	253	9383	9635
UN62684	Rsa1.0_13843.1	760	4225	0	566	568	99 +	1	568	3658	4225
UN62685	Rsa1.0_00890.1	509	323870	1.00E-141	279	286	97 -	1	286	162613	162897
UN62686	Rsa1.0_00306.1	748	146760	0	609	639	95 +	110	748	97623	98261
UN62687	Rsa1.0_01720.1	457	40358	1.00E-114	208	208	100 -	1	208	19488	19695
UN62688	Rsa1.0_06715.1	124	10485	4.00E-45	113	120	94 +	5	124	3649	3768
UN62689	Rsa1.0_00512.1	754	200277	0	493	493	100 -	1	493	71437	71929
UN62690	Rsa1.0_01559.1	166	43262	1.00E-48	128	137	93 +	18	154	29014	29148
UN62691	Rsa1.0_00272.1	197	447836	2.00E-88	189	197	95 +	1	197	56653	56849
UN62692	Rsa1.0_00038.1	815	314568	0	361	363	99 -	1	362	45790	46152
UN62693	Rsa1.0_24144.1	290	1005	1.00E-131	258	265	97 +	1	265	167	431
UN62694	Rsa1.0_01338.1	788	155644	0	775	789	98 +	1	788	109255	110043
UN62695	Rsa1.0_00730.1	155	66673	6.00E-57	140	148	94 -	1	147	49262	49409
UN62696	Rsa1.0_08582.1	826	7162	0	817	822	99 -	1	821	278	1098
UN62697	Rsa1.0_02180.1	244	34176	1.00E-103	229	242	94 +	3	244	18123	18364
UN62698	Rsa1.0_00178.1	716	114861	0	460	482	95 +	235	716	26943	27424
UN62699	Rsa1.0_00031.1	146	179862	6.00E-66	139	143	97 -	4	146	146019	146161
UN62700	Rsa1.0_61153.1	512	375	3.00E-95	192	197	97 +	75	271	1	197
UN62701	Rsa1.0_01701.1	532	162121	0	509	533	95 -	1	532	20055	20585
UN62702	Rsa1.0_01016.1	626	181422	1.00E-122	239	243	98 +	1	243	34101	34342
UN62703	Rsa1.0_04576.1	259	16783	1.00E-101	235	249	94 +	1	241	379	627
UN62704	Rsa1.0_05758.1	610	12721	0	545	573	95 +	1	567	2053	2621
UN62705	Rsa1.0_00661.1	625	213041	0	625	625	100 -	1	625	25947	26571
UN62706	Rsa1.0_00088.1	524	141341	0	434	442	98 -	1	440	62412	62853
UN62707	Rsa1.0_01674.1	675	168300	1.00E-138	253	254	99 +	1	254	13327	13580
UN62708	Rsa1.0_00050.1	720	237174	1.00E-100	197	201	98 -	520	720	14470	14670
UN62709	Rsa1.0_00042.1	760	171507	1.00E-174	321	325	98 -	1	325	3359	3683
UN62710	Rsa1.0_00825.1	707	62855	0	463	463	100 -	2	464	2203	2665

UN62711	Rsa1.0.06288.1	903	11302	0	678	703	96 -	182	868	972	1674
UN62712	Rsa1.0.05382.1	770	13963	1.00E-124	244	250	97 +	402	651	8823	9072
UN62713	Rsa1.0.00009.1	756	232558	0	602	619	97 +	133	748	12410	13028
UN62714	Rsa1.0.39408.1	678	571	1.00E-175	360	376	95 +	299	674	87	462
UN62715	Rsa1.0.04415.1	257	147889	2.00E-98	240	258	93 +	1	257	132528	132785
UN62716	Rsa1.0.06073.1	738	11807	0	637	664	95 -	1	656	4362	5022
UN62717	Rsa1.0.00019.1	582	301669	0	564	566	99 +	1	565	73085	73650
UN62718	Rsa1.0.00387.1	183	495407	6.00E-85	174	179	97 -	5	183	32279	32457
UN62719	Rsa1.0.00269.1	828	341668	0	810	831	97 +	5	828	314925	315752
UN62720	Rsa1.0.01544.1	775	185602	0	484	499	96 -	114	607	184353	184851
UN62721	Rsa1.0.02686.1	716	28666	1.00E-103	202	206	98 -	114	319	6932	7137
UN62722	Rsa1.0.00457.1	263	337301	8.00E-73	233	261	89 -	1	260	142411	142667
UN62723	Rsa1.0.01737.1	586	40101	1.00E-179	327	330	99 -	257	586	2646	2975
UN62724	Rsa1.0.01514.1	780	44222	0	382	387	98 +	2	386	23157	23543
UN62725	Rsa1.0.05760.1	433	12720	1.00E-108	238	251	94 -	14	264	4627	4877
UN62726	Rsa1.0.02018.1	750	35994	8.00E-23	114	132	86 -	48	179	3167	3297
UN62727	Rsa1.0.02120.1	728	34819	0	562	565	99 -	164	728	30805	31369
UN62728	Rsa1.0.02146.1	851	34625	0	825	853	96 -	1	851	29140	29988
UN62729	Rsa1.0.02797.1	599	27800	0	590	597	98 +	3	599	13758	14354
UN62730	Rsa1.0.00507.1	599	79074	0	529	532	99 -	1	532	59842	60373
UN62731	Rsa1.0.00269.1	859	341668	0	629	659	95 +	4	657	292796	293452
UN62732	Rsa1.0.03441.1	495	22927	1.00E-131	255	260	98 -	1	258	17561	17820
UN62733	Rsa1.0.00044.1	135	271658	3.00E-49	126	135	93 -	1	135	170606	170740
UN62734	Rsa1.0.00427.1	780	189678	0	348	352	98 +	277	628	122870	123221
UN62735	Rsa1.0.00279.1	436	100039	1.00E-103	247	265	93 +	136	397	83441	83705
UN62736	Rsa1.0.05081.1	860	136103	1.00E-133	346	384	90 -	33	397	5006	5389
UN62737	Rsa1.0.03005.1	250	26082	2.00E-94	229	247	92 -	1	247	20067	20313
UN62738	Rsa1.0.05708.1	606	12871	1.00E-152	324	341	95 +	266	606	11144	11484
UN62739	Rsa1.0.01747.1	578	39881	0	538	565	95 -	15	578	10753	11317
UN62740	Rsa1.0.00300.1	362	97747	1.00E-160	343	360	95 -	1	358	82830	83182
UN62741	Rsa1.0.02529.1	784	30437	0	781	784	99 +	1	784	13002	13785
UN62742	Rsa1.0.00695.1	800	68019	0	422	426	99 +	5	430	383	808
UN62743	Rsa1.0.01867.1	266	37960	1.00E-111	224	231	96 +	1	231	18611	18841
UN62744	Rsa1.0.48111.1	767	470	0	344	350	98 +	169	517	4	353
UN62745	Rsa1.0.03689.1	190	21354	3.00E-13	142	175	81 +	1	174	16905	17074
UN62746	Rsa1.0.00253.1	845	231292	0	455	458	99 -	1	458	188517	188974
UN62747	Rsa1.0.00142.1	743	121474	1.00E-143	304	322	94 +	434	743	90981	91302
UN62748	Rsa1.0.05428.1	684	13789	1.00E-143	283	290	97 +	16	305	6198	6486
UN62749	Rsa1.0.00085.1	203	142226	1.00E-101	199	203	98 -	1	203	21288	21490

UN62750	Rsa1.0_00368.1	618	90669	1.00E-122	308	338	91 +	281	618	11927	12255
UN62751	Rsa1.0_00558.1	673	75819	0	406	409	99 -	265	673	28414	28822
UN62752	Rsa1.0_00060.1	731	502678	2.00E-72	166	175	94 -	224	398	495990	496164
UN62753	Rsa1.0_00454.1	693	216970	0	409	431	94 -	2	421	157070	157498
UN62754	Rsa1.0_00133.1	458	123768	2.00E-78	155	157	98 +	143	299	52521	52677
UN62755	Rsa1.0_00020.1	730	283099	1.00E-109	225	232	96 -	490	719	91309	91540
UN62756	Rsa1.0_00131.1	692	432233	1.00E-170	321	327	98 -	1	327	165749	166075
UN62757	Rsa1.0_02178.1	162	156197	1.00E-79	159	162	98 +	1	162	898	1059
UN62758	Rsa1.0_06455.1	641	10983	0	636	641	99 +	1	641	6155	6795
UN62759	Rsa1.0_08957.1	711	6754	0	420	435	96 -	4	438	5913	6342
UN62760	Rsa1.0_03785.1	152	20883	7.00E-44	123	134	91 +	1	134	5686	5819
UN62761	Rsa1.0_01591.1	652	42718	0	643	652	98 -	1	652	18338	18989
UN62762	Rsa1.0_17349.1	402	1853	1.00E-121	284	303	93 +	1	296	1553	1853
UN62763	Rsa1.0_00278.1	135	231896	2.00E-44	124	135	91 -	1	135	49950	50084
UN62764	Rsa1.0_00071.1	224	345714	2.00E-85	208	224	92 +	1	224	71304	71527
UN62765	Rsa1.0_01701.1	150	162121	4.00E-21	91	104	87 -	45	148	9023	9126
UN62766	Rsa1.0_01203.1	446	50848	1.00E-168	321	327	98 -	1	325	42403	42729
UN62767	Rsa1.0_00197.1	873	109714	1.00E-118	216	216	100 -	447	662	76920	77135
UN62768	Rsa1.0_10540.1	153	5811	1.00E-57	140	149	93 -	1	149	4190	4338
UN62769	Rsa1.0_08419.1	302	7381	1.00E-105	205	209	98 +	1	209	7173	7381
UN62770	Rsa1.0_00759.1	442	65465	1.00E-104	198	200	99 -	1	200	9402	9601
UN62771	Rsa1.0_02419.1	685	31583	1.00E-170	377	399	94 -	3	401	8438	8834
UN62772	Rsa1.0_13077.1	830	5021	3.00E-90	187	193	96 -	565	757	4405	4597
UN62773	Rsa1.0_00173.1	138	288743	1.00E-20	75	83	90 +	7	89	283802	283884
UN62774	#	#	#	#	#	#	#	#	#	#	#
UN62775	Rsa1.0_01004.1	850	56975	0	500	538	92 +	315	850	11833	12353
UN62776	Rsa1.0_00676.1	639	69166	0	625	651	96 +	1	639	45725	46375
UN62777	Rsa1.0_00055.1	195	520193	2.00E-82	185	195	94 -	1	195	180056	180250
UN62778	Rsa1.0_00213.1	684	108167	0	494	512	96 +	8	514	22199	22707
UN62779	Rsa1.0_05049.1	308	15025	4.00E-69	258	298	86 +	4	298	8919	9209
UN62780	Rsa1.0_00011.1	857	225044	0	439	453	96 +	1	451	103662	104111
UN62781	Rsa1.0_01390.1	755	46695	0	716	757	94 +	1	755	30269	31007
UN62782	Rsa1.0_00300.1	386	97747	0	375	386	97 -	1	386	28470	28855
UN62783	Rsa1.0_00260.1	578	102021	0	473	480	98 +	1	480	36120	36599
UN62784	Rsa1.0_08486.1	790	7286	0	627	670	93 +	1	667	4976	5636
UN62785	Rsa1.0_00166.1	117	240912	3.00E-18	53	55	96 +	1	55	171551	171605
UN62786	Rsa1.0_00300.1	295	97747	1.00E-123	281	296	94 +	3	295	88803	89094
UN62787	Rsa1.0_00076.1	866	146021	0	753	756	99 +	1	755	68829	69584
UN62788	Rsa1.0_01311.1	656	48456	5.00E-70	151	155	97 -	189	342	20157	20311

UN62789	Rsa1.0.02782.1	187	27929	6.00E-76	171	180	95 -	5	184	15760	15939
UN62790	Rsa1.0.07390.1	431	9477	1.00E-140	335	365	91 -	62	408	4360	4724
UN62791	Rsa1.0.00458.1	220	82717	1.00E-100	209	217	96 +	1	217	75606	75822
UN62792	Rsa1.0.00025.1	238	277312	7.00E-76	191	202	94 -	1	199	157594	157792
UN62793	Rsa1.0.01045.1	209	55853	2.00E-66	190	206	92 +	3	204	24299	24497
UN62794	Rsa1.0.04292.1	713	18050	8.00E-66	137	140	97 -	391	530	8746	8885
UN62795	Rsa1.0.00190.1	572	318240	1.00E-159	353	374	94 -	1	374	12061	12429
UN62796	Rsa1.0.00111.1	159	390088	4.00E-58	141	150	94 -	5	154	75688	75837
UN62797	Rsa1.0.01727.1	729	40243	1.00E-132	276	287	96 -	74	359	7333	7619
UN62798	Rsa1.0.02159.1	632	34471	1.00E-172	375	395	94 +	1	388	29829	30223
UN62799	Rsa1.0.00855.1	712	62047	0	455	474	95 +	239	712	4343	4816
UN62800	Rsa1.0.02149.1	275	148330	1.00E-125	265	275	96 -	1	275	29076	29348
UN62801	Rsa1.0.00329.1	730	222544	0	700	725	96 +	1	724	159771	160490
UN62802	Rsa1.0.00542.1	824	76831	1.00E-119	248	258	96 +	505	762	37068	37325
UN62803	Rsa1.0.00166.1	708	240912	0	656	673	97 -	1	668	134910	135582
UN62804	Rsa1.0.00156.1	252	118383	1.00E-96	233	248	93 +	6	252	62798	63040
UN62805	Rsa1.0.01924.1	104	37226	3.00E-30	91	99	91 -	2	100	26459	26557
UN62806	Rsa1.0.00630.1	818	71281	0	806	820	98 +	1	818	9915	10734
UN62807	Rsa1.0.06578.1	783	10726	0	606	626	96 +	3	628	926	1544
UN62808	Rsa1.0.00016.1	344	831256	1.00E-53	125	131	95 +	214	344	523013	523143
UN62809	Rsa1.0.04010.1	649	19576	2.00E-81	267	302	88 -	82	382	14509	14804
UN62810	Rsa1.0.00331.1	489	176754	0	476	499	95 +	2	485	22301	22799
UN62811	Rsa1.0.00525.1	679	78030	0	625	646	96 +	3	639	33923	34568
UN62812	Rsa1.0.06271.1	687	11351	1.00E-112	249	263	94 -	152	413	3374	3628
UN62813	Rsa1.0.00446.1	763	167829	0	758	763	99 -	1	763	134946	135708
UN62814	Rsa1.0.00714.1	490	67187	2.00E-35	110	121	90 -	238	358	40399	40519
UN62815	Rsa1.0.04250.1	684	18264	0	433	462	93 -	1	462	8455	8897
UN62816	Rsa1.0.00728.1	275	66704	1.00E-139	270	275	98 -	1	275	5146	5419
UN62817	Rsa1.0.03183.1	662	24755	1.00E-161	373	396	94 +	1	394	6733	7126
UN62818	Rsa1.0.00706.1	546	291570	1.00E-110	247	262	94 +	260	521	1	262
UN62819	Rsa1.0.00128.1	762	228675	1.00E-118	234	240	97 -	302	541	89116	89355
UN62820	Rsa1.0.00250.1	117	273771	2.00E-40	96	100	96 -	18	117	186762	186861
UN62821	Rsa1.0.06901.1	674	10186	0	483	489	98 -	8	496	9698	10186
UN62822	Rsa1.0.00663.1	112	164969	3.00E-33	102	112	91 -	1	112	124165	124276
UN62823	Rsa1.0.02110.1	355	34919	1.00E-102	209	215	97 +	1	213	26304	26518
UN62824	Rsa1.0.00314.1	344	96472	5.00E-53	109	110	99 -	36	145	75356	75465
UN62825	Rsa1.0.00642.1	587	201230	0	447	449	99 -	139	587	69024	69472
UN62826	Rsa1.0.02606.1	142	29635	2.00E-56	133	140	95 -	3	142	4734	4869
UN62827	Rsa1.0.02750.1	442	28239	0	432	442	97 +	1	442	4456	4897

UN62828	Rsa1.0.00838.1	676	153820	0	632	693	91 -	4	676	59213	59889
UN62829	Rsa1.0.02274.1	608	33109	0	586	613	95 +	1	608	21519	22123
UN62830	Rsa1.0.00223.1	482	106231	0	436	460	94 -	24	482	6084	6541
UN62831	Rsa1.0.02089.1	679	35163	1.00E-147	280	285	98 +	1	285	8879	9163
UN62832	Rsa1.0.00041.1	696	186197	1.00E-140	284	294	96 +	1	294	132787	133072
UN62833	Rsa1.0.01121.1	692	53407	0	438	447	97 -	5	451	14431	14876
UN62834	Rsa1.0.00094.1	562	139042	1.00E-125	245	251	97 +	1	251	75214	75464
UN62835	Rsa1.0.00822.1	646	62891	0	604	642	94 -	2	642	5200	5840
UN62836	Rsa1.0.03709.1	462	21247	1.00E-147	291	300	97 +	1	300	18601	18900
UN62837	Rsa1.0.00697.1	479	67913	1.00E-137	284	296	95 +	30	325	36884	37179
UN62838	Rsa1.0.01073.1	527	55030	1.00E-128	302	320	94 -	1	314	5736	6052
UN62839	Rsa1.0.01190.1	677	194501	0	356	367	97 -	1	367	13189	13555
UN62840	Rsa1.0.02012.1	334	36084	1.00E-166	325	334	97 +	1	334	19785	20115
UN62841	Rsa1.0.00097.1	286	138858	1.00E-117	240	249	96 -	3	251	118569	118817
UN62842	Rsa1.0.00017.1	668	752458	1.00E-147	327	347	94 +	322	668	123177	123520
UN62843	Rsa1.0.00107.1	162	431659	2.00E-72	156	162	96 +	1	162	425814	425975
UN62844	Rsa1.0.03735.1	493	21087	0	427	440	97 -	48	483	5153	5592
UN62845	Rsa1.0.08810.1	688	6904	1.00E-110	205	206	99 -	205	410	6556	6761
UN62846	Rsa1.0.01668.1	103	41299	1.00E-35	98	104	94 -	1	103	19571	19674
UN62847	Rsa1.0.01151.1	618	52268	0	589	620	95 +	1	618	2037	2656
UN62848	Rsa1.0.00890.1	130	323870	4.00E-39	120	130	92 -	1	126	185163	185289
UN62849	Rsa1.0.00291.1	196	172129	3.00E-47	123	132	93 +	56	187	95286	95417
UN62850	Rsa1.0.01031.1	186	56236	2.00E-51	145	158	91 +	1	151	4942	5099
UN62851	Rsa1.0.00100.1	469	249232	1.00E-173	388	408	95 -	5	410	179062	179466
UN62852	Rsa1.0.02418.1	611	31590	1.00E-138	253	254	99 -	284	537	18899	19152
UN62853	Rsa1.0.00218.1	690	201480	0	657	688	95 +	3	689	137997	138670
UN62854	Rsa1.0.62301.1	639	368	0	366	368	99 +	262	629	1	368
UN62855	Rsa1.0.02369.1	678	32075	0	502	504	99 -	1	504	5009	5511
UN62856	Rsa1.0.05819.1	714	12543	0	355	357	99 +	3	359	4262	4616
UN62857	Rsa1.0.02500.1	501	30768	0	470	495	94 +	7	500	26874	27368
UN62858	Rsa1.0.00619.1	386	71985	1.00E-161	350	371	94 +	21	386	14096	14460
UN62859	Rsa1.0.01431.1	333	167877	1.00E-145	301	311	96 -	1	309	17548	17856
UN62860	Rsa1.0.00307.1	681	199003	3.00E-87	268	302	88 +	72	369	80099	80391
UN62861	Rsa1.0.00414.1	322	202190	8.00E-98	300	330	90 +	1	322	195597	195913
UN62862	Rsa1.0.00630.1	584	71281	1.00E-159	326	336	97 +	15	349	61075	61408
UN62863	Rsa1.0.01389.1	658	46716	0	567	598	94 -	3	598	45590	46180
UN62864	Rsa1.0.01104.1	283	285480	1.00E-59	129	133	96 -	151	283	268484	268616
UN62865	Rsa1.0.00457.1	130	337301	7.00E-56	125	130	96 -	1	130	142432	142561
UN62866	Rsa1.0.00968.1	668	58020	0	346	353	98 +	316	668	50504	50856

UN62867	Rsa1.0_01321.1	643	48248	0	613	639	95 -	14	643	8189	8825
UN62868	Rsa1.0_17275.1	316	1874	1.00E-121	296	316	93 +	1	311	1453	1764
UN62869	Rsa1.0_05015.1	500	15125	2.00E-93	231	246	93 +	1	246	7070	7307
UN62870	Rsa1.0_02336.1	345	32397	0	342	345	99 -	1	345	28870	29214
UN62871	Rsa1.0_63418.1	223	362	1.00E-103	215	222	96 -	3	223	127	348
UN62872	Rsa1.0_00589.1	393	209965	3.00E-82	179	187	95 +	200	386	188963	189149
UN62873	Rsa1.0_00078.1	604	175053	1.00E-159	323	336	96 +	1	336	37480	37815
UN62874	Rsa1.0_02267.1	251	33194	9.00E-91	239	257	92 +	1	251	28519	28772
UN62875	Rsa1.0_00961.1	765	58185	0	647	656	98 +	1	656	1000	1655
UN62876	Rsa1.0_02513.1	718	30643	0	715	718	99 -	1	718	11041	11758
UN62877	Rsa1.0_01629.1	530	41917	1.00E-140	255	256	99 +	1	256	15406	15661
UN62878	Rsa1.0_76411.1	630	300	1.00E-125	233	235	99 +	396	630	43	277
UN62879	Rsa1.0_10442.1	279	5849	1.00E-120	245	254	96 -	1	254	2696	2949
UN62880	Rsa1.0_01282.1	652	49304	2.00E-81	213	228	93 +	86	311	32054	32277
UN62881	Rsa1.0_00104.1	402	368722	2.00E-89	202	213	94 +	189	401	164791	165000
UN62882	Rsa1.0_01018.1	636	56685	0	592	619	95 -	37	636	31171	31786
UN62883	Rsa1.0_00045.1	635	328694	0	614	636	96 +	1	634	267001	267634
UN62884	Rsa1.0_00344.1	294	191774	7.00E-92	186	191	97 +	101	291	156563	156753
UN62885	Rsa1.0_00628.1	694	214360	1.00E-173	387	411	94 -	1	410	203096	203494
UN62886	Rsa1.0_27471.1	197	851	1.00E-86	191	198	96 +	1	197	265	461
UN62887	Rsa1.0_01719.1	263	40388	1.00E-104	222	232	95 -	4	235	30549	30780
UN62888	Rsa1.0_04512.1	561	17031	1.00E-137	290	304	95 +	1	304	12640	12943
UN62889	Rsa1.0_00010.1	277	294827	1.00E-152	275	276	99 -	2	277	117434	117709
UN62890	Rsa1.0_00249.1	573	153740	0	567	573	98 -	1	573	94232	94804
UN62891	Rsa1.0_01682.1	439	41090	2.33E-156	268	270	99 -	170	439	25702	25971
UN62892	Rsa1.0_09707.1	289	6199	1.00E-124	274	289	94 -	1	289	5279	5566
UN62893	Rsa1.0_73693.1	702	311	1.00E-168	310	312	99 +	136	447	1	311
UN62894	Rsa1.0_00320.1	616	95784	1.00E-156	348	366	95 +	5	369	61044	61399
UN62895	Rsa1.0_01476.1	542	172928	0	513	556	92 -	1	542	10896	11441
UN62896	Rsa1.0_00038.1	777	314568	1.00E-135	299	315	94 -	1	315	310046	310356
UN62897	Rsa1.0_26211.1	131	901	6.00E-41	97	101	96 -	31	131	498	598
UN62898	#	#	#	#	#	#	#	#	#	#	#
UN62899	Rsa1.0_01926.1	571	37206	0	551	608	90 -	1	571	13666	14271
UN62900	Rsa1.0_00009.1	106	232558	4.00E-32	97	106	91 +	1	106	117380	117485
UN62901	Rsa1.0_01153.1	249	52264	2.00E-98	236	249	94 +	3	249	47592	47837
UN62902	Rsa1.0_00484.1	318	203294	1.00E-127	293	314	93 -	4	317	56429	56742
UN62903	Rsa1.0_09943.1	647	6076	1.00E-125	535	621	86 +	3	612	1464	2074
UN62904	Rsa1.0_00339.1	431	222974	0	393	407	96 -	1	403	211966	212372
UN62905	Rsa1.0_00836.1	405	185968	1.00E-161	351	369	95 +	16	379	17849	18217

UN62906	Rsa1.0.00404.1	463	87635	1.00E-175	370	389	95 -	1	386	11886	12274
UN62907	Rsa1.0.03718.1	726	21195	0	449	485	92 +	3	462	451	935
UN62908	Rsa1.0.00427.1	697	189678	0	504	528	95 -	3	521	181898	182424
UN62909	Rsa1.0.42609.1	701	527	0	509	529	96 -	128	656	1	527
UN62910	Rsa1.0_00759.1	589	65465	0	569	601	94 -	1	573	64598	65198
UN62911	Rsa1.0_00200.1	404	162016	1.00E-66	170	182	93 +	20	201	95848	96024
UN62912	Rsa1.0.01313.1	639	48387	8.00E-41	95	98	96 +	3	100	16633	16730
UN62913	Rsa1.0.00125.1	636	253043	1.00E-103	190	190	100 -	261	450	216231	216420
UN62914	Rsa1.0.02470.1	622	31108	0	357	361	98 -	102	462	7071	7429
UN62915	Rsa1.0.10084.1	689	6005	0	519	523	99 +	1	522	1414	1936
UN62916	Rsa1.0.03527.1	745	22278	1.00E-157	353	375	94 -	1	373	18596	18958
UN62917	Rsa1.0.07606.1	140	9035	3.00E-27	89	98	90 +	42	139	2101	2198
UN62918	Rsa1.0.11282.1	676	5558	0	654	692	94 +	3	676	4756	5447
UN62919	Rsa1.0.41595.1	640	540	4.00E-55	238	282	84 +	316	583	1	282
UN62920	Rsa1.0.01356.1	665	47287	0	411	413	99 -	3	415	6134	6546
UN62921	Rsa1.0.01249.1	492	188432	2.00E-44	107	112	95 -	168	279	176489	176600
UN62922	Rsa1.0.02888.1	698	27020	0	370	372	99 -	1	372	21048	21419
UN62923	Rsa1.0.01674.1	597	168300	1.00E-167	352	368	95 -	3	369	4084	4448
UN62924	Rsa1.0.45734.1	533	493	7.00E-72	141	142	99 +	350	491	153	294
UN62925	Rsa1.0.01251.1	693	49873	0	633	689	91 +	5	691	942	1619
UN62926	Rsa1.0.02846.1	682	27338	1.00E-166	333	345	96 +	12	352	16491	16835
UN62927	Rsa1.0.02102.1	332	35009	8.00E-55	161	177	90 +	143	318	21429	21605
UN62928	Rsa1.0.03303.1	442	23890	0	426	447	95 +	1	442	9656	10099
UN62929	Rsa1.0.00510.1	459	78718	3.00E-98	194	198	97 +	262	459	53847	54044
UN62930	Rsa1.0.03631.1	793	21647	0	436	452	96 -	60	508	2780	3228
UN62931	Rsa1.0.02214.1	295	161150	1.00E-135	281	292	96 +	3	294	13148	13438
UN62932	Rsa1.0.04463.1	553	17247	0	548	556	98 -	1	553	4623	5176
UN62933	Rsa1.0.00233.1	644	104918	4.00E-12	47	50	94 -	480	529	8152	8201
UN62934	Rsa1.0.01382.1	667	46877	0	577	582	99 +	1	582	27432	28010
UN62935	Rsa1.0.00176.1	370	240984	1.00E-147	276	280	98 -	91	370	234899	235178
UN62936	Rsa1.0.03511.1	458	22373	1.00E-167	420	459	91 -	3	458	17091	17548
UN62937	Rsa1.0.00260.1	255	102021	1.00E-105	220	229	96 +	6	234	56472	56700
UN62938	Rsa1.0.75003.1	190	306	1.00E-52	111	113	98 +	23	135	2	114
UN62939	Rsa1.0.05741.1	275	12773	1.00E-99	252	271	92 +	1	271	3089	3355
UN62940	Rsa1.0.10093.1	294	6001	1.00E-126	268	281	95 -	11	291	4708	4988
UN62941	Rsa1.0.12971.1	154	5060	9.00E-22	62	65	95 -	1	65	4865	4929
UN62942	Rsa1.0.00079.1	699	606987	0	475	481	98 +	219	699	592457	592937
UN62943	Rsa1.0.00041.1	672	186197	0	649	674	96 +	1	671	106154	106825
UN62944	Rsa1.0.01867.1	683	37960	1.00E-73	160	166	96 +	3	168	33736	33897

UN62945	Rsa1.0_00172.1	409	115476	1.00E-168	384	410	93 +	3	409	88982	89390
UN62946	Rsa1.0_00018.1	101	410899	2.00E-34	92	98	93 -	4	101	78521	78618
UN62947	Rsa1.0_03762.1	831	20976	0	444	457	97 -	1	457	12667	13118
UN62948	Rsa1.0_00558.1	644	75819	0	632	647	97 +	1	644	11844	12490
UN62949	Rsa1.0_07717.1	722	8720	0	498	532	93 +	70	601	1	520
UN62950	Rsa1.0_00423.1	732	86138	0	696	721	96 +	12	732	78024	78742
UN62951	Rsa1.0_00949.1	103	58549	5.00E-44	99	101	98 -	3	103	52501	52599
UN62952	#	#	#	#	#	#	#	#	#	#	#
UN62953	Rsa1.0_01710.1	140	40586	2.00E-44	130	142	91 +	1	140	19401	19542
UN62954	Rsa1.0_00524.1	529	169613	1.00E-94	208	216	96 -	1	216	155579	155792
UN62955	Rsa1.0_02043.1	728	163754	0	475	495	95 +	1	487	146137	146631
UN62956	Rsa1.0_01081.1	790	499226	3.00E-87	205	218	94 +	48	262	16604	16821
UN62957	Rsa1.0_02222.1	731	152798	1.00E-167	307	310	99 +	4	313	10246	10555
UN62958	Rsa1.0_00108.1	522	478491	1.00E-126	288	310	92 -	1	298	306148	306457
UN62959	Rsa1.0_02003.1	465	36171	1.00E-66	135	137	98 +	85	221	31714	31850
UN62960	Rsa1.0_00009.1	808	232558	0	499	508	98 +	2	509	22844	23349
UN62961	Rsa1.0_00131.1	254	432233	2.00E-42	100	104	96 -	22	125	261769	261872
UN62962	Rsa1.0_01102.1	201	53987	1.00E-83	190	201	94 +	1	201	41419	41619
UN62963	Rsa1.0_00326.1	825	171955	1.00E-108	326	364	89 +	449	808	64894	65243
UN62964	Rsa1.0_07657.1	145	8896	2.00E-41	108	114	94 -	30	142	3696	3809
UN62965	Rsa1.0_01430.1	809	46034	0	351	354	99 +	346	699	4467	4819
UN62966	Rsa1.0_01153.1	642	52264	0	418	429	97 -	93	521	25847	26275
UN62967	Rsa1.0_00049.1	203	167018	1.00E-77	190	204	93 +	1	200	7089	7292
UN62968	Rsa1.0_01972.1	624	36634	0	429	441	97 -	1	435	4014	4454
UN62969	Rsa1.0_00011.1	221	225044	9.00E-63	199	222	89 +	1	221	177410	177630
UN62970	Rsa1.0_01387.1	525	46745	0	485	532	91 -	1	525	41699	42216
UN62971	Rsa1.0_00019.1	685	301669	0	684	684	100 -	2	685	252120	252803
UN62972	Rsa1.0_01778.1	311	39509	2.00E-36	228	273	83 +	41	311	16235	16494
UN62973	Rsa1.0_02200.1	665	33981	0	358	369	97 -	5	373	10438	10796
UN62974	Rsa1.0_00087.1	700	761073	1.00E-117	254	265	95 +	4	268	298390	298651
UN62975	Rsa1.0_11956.1	174	5361	4.00E-12	46	49	93 +	1	49	5313	5361
UN62976	Rsa1.0_00092.1	748	659932	1.00E-67	178	191	93 +	3	193	23707	23890
UN62977	Rsa1.0_00124.1	723	262503	1.00E-110	239	250	95 -	160	407	19648	19897
UN62978	Rsa1.0_01056.1	751	55449	0	509	522	97 +	86	607	11988	12507
UN62979	Rsa1.0_07756.1	108	8634	6.00E-25	73	78	93 -	7	84	5992	6069
UN62980	Rsa1.0_01170.1	600	161131	0	584	606	96 -	4	600	116512	117115
UN62981	Rsa1.0_00182.1	762	142305	0	429	458	93 -	1	458	128304	128757
UN62982	Rsa1.0_01474.1	745	45070	0	412	425	96 +	1	425	30850	31273
UN62983	Rsa1.0_00966.1	660	58136	0	638	662	96 +	1	660	41753	42411

UN62984	Rsa1.0.00066.1	577	152418	0	480	487	98 +	1	483	37136	37622
UN62985	Rsa1.0.01565.1	476	155447	0	468	477	98 -	1	476	154708	155184
UN62986	Rsa1.0.16476.1	729	2143	4.00E-46	98	99	98 -	322	420	1473	1571
UN62987	Rsa1.0.00055.1	780	520193	8.00E-54	132	140	94 -	319	458	5110	5249
UN62988	Rsa1.0.00105.1	495	134138	0	467	505	92 -	3	495	99133	99635
UN62989	Rsa1.0.00212.1	787	108350	0	762	777	98 +	11	787	1175	1944
UN62990	Rsa1.0.02273.1	787	140964	0	439	460	95 -	1	456	138057	138516
UN62991	Rsa1.0.00003.1	716	340054	1.00E-18	151	185	81 -	462	646	163218	163402
UN62992	Rsa1.0.01949.1	444	36960	8.00E-99	231	247	93 +	3	249	23209	23455
UN62993	Rsa1.0.00047.1	819	168582	1.00E-119	253	263	96 +	1	261	79098	79358
UN62994	Rsa1.0.00619.1	639	71985	0	632	642	98 -	1	639	24893	25534
UN62995	Rsa1.0.05578.1	579	13284	0	474	490	96 +	57	545	2676	3163
UN62996	Rsa1.0.01348.1	749	47569	0	743	745	99 -	1	745	44368	45112
UN62997	Rsa1.0.00399.1	704	242951	0	682	705	96 +	1	704	227398	228095
UN62998	Rsa1.0.04378.1	233	17651	4.00E-96	218	230	94 -	1	229	4666	4895
UN62999	Rsa1.0.00031.1	196	179862	5.00E-55	124	129	96 +	1	129	82026	82154
UN63000	Rsa1.0.07772.1	745	8601	0	491	508	96 -	2	508	554	1058
UN63001	Rsa1.0.02299.1	129	32857	9.00E-37	87	90	96 -	1	90	23201	23290
UN63002	Rsa1.0.02599.1	779	29660	1.00E-129	243	246	98 -	170	415	4089	4334
UN63003	Rsa1.0.00211.1	673	228189	1.00E-122	299	321	93 +	1	315	146517	146834
UN63004	Rsa1.0.00017.1	105	752458	3.00E-45	101	104	97 -	1	104	154686	154789
UN63005	Rsa1.0.00856.1	631	62037	0	604	630	95 +	1	630	55622	56247
UN63006	Rsa1.0.02975.1	105	26322	2.00E-24	69	73	94 -	33	105	22412	22484
UN63007	Rsa1.0.49744.1	307	456	7.00E-89	253	278	91 +	1	274	52	325
UN63008	Rsa1.0.03403.1	811	23179	0	805	815	98 -	1	811	1164	1978
UN63009	Rsa1.0.00351.1	585	413096	1.00E-177	322	323	99 -	263	585	228936	229257
UN63010	Rsa1.0.03684.1	629	21392	1.00E-174	329	334	98 +	296	629	14749	15081
UN63011	Rsa1.0.01580.1	715	42852	1.00E-147	283	288	98 +	367	654	30603	30889
UN63012	Rsa1.0.00759.1	741	65465	0	674	709	95 +	44	741	8202	8903
UN63013	Rsa1.0.01904.1	788	37450	0	721	741	97 +	49	788	10687	11427
UN63014	Rsa1.0.02419.1	694	31583	0	562	602	93 +	64	662	6802	7389
UN63015	Rsa1.0.03949.1	831	19899	9.00E-63	245	287	85 -	440	703	18509	18794
UN63016	Rsa1.0.00028.1	791	293984	0	482	495	97 -	2	494	153891	154385
UN63017	Rsa1.0.12809.1	728	5119	1.00E-154	357	382	93 -	5	386	4445	4817
UN63018	Rsa1.0.01004.1	807	56975	0	622	628	99 -	4	630	13438	14065
UN63019	Rsa1.0.00457.1	795	337301	1.00E-176	362	376	96 -	3	366	128787	129161
UN63020	Rsa1.0.01022.1	616	56606	2.00E-84	208	222	93 +	3	222	27350	27570
UN63021	Rsa1.0.00025.1	760	277312	0	658	684	96 -	4	687	228101	228772
UN63022	Rsa1.0.00190.1	693	318240	0	362	362	100 -	332	693	179339	179700

UN63023	Rsa1.0.01168.1	667	153765	0	474	498	95 -	171	667	28202	28699
UN63024	Rsa1.0.00107.1	638	431659	1.00E-169	374	395	94 -	3	390	255374	255760
UN63025	Rsa1.0.00178.1	459	114861	2.00E-44	209	243	86 +	166	403	14125	14367
UN63026	Rsa1.0.05080.1	272	14905	1.00E-119	256	265	96 +	1	264	11851	12113
UN63027	Rsa1.0.00087.1	605	761073	0	604	608	99 -	1	605	104344	104951
UN63028	Rsa1.0.00213.1	766	108167	1.00E-170	342	354	96 -	4	351	24551	24903
UN63029	Rsa1.0.00523.1	723	178770	1.00E-178	323	325	99 +	399	723	161188	161512
UN63030	Rsa1.0.03550.1	649	22154	1.00E-124	235	238	98 -	3	240	6701	6938
UN63031	Rsa1.0.00675.1	780	145590	0	646	682	94 -	2	668	49098	49776
UN63032	Rsa1.0.26227.1	565	900	0	427	437	97 +	60	493	464	900
UN63033	Rsa1.0.00451.1	413	322533	0	401	412	97 -	2	413	64946	65356
UN63034	Rsa1.0.01348.1	686	47569	1.00E-117	224	227	98 -	157	383	24704	24930
UN63035	Rsa1.0.01712.1	341	154210	2.00E-77	157	159	98 -	117	274	30014	30172
UN63036	Rsa1.0.01390.1	677	46695	0	616	673	91 -	1	665	31872	32525
UN63037	Rsa1.0.00260.1	764	102021	0	400	404	99 -	5	406	38230	38633
UN63038	Rsa1.0.00812.1	769	63233	1.00E-173	408	440	92 +	3	439	12020	12441
UN63039	Rsa1.0.00136.1	775	122464	1.00E-149	331	353	93 -	243	587	56801	57153
UN63040	Rsa1.0.02369.1	650	32075	1.00E-64	251	289	86 -	103	379	1207	1493
UN63041	Rsa1.0.00166.1	108	240912	3.00E-42	99	103	96 -	6	108	172650	172752
UN63042	Rsa1.0.03184.1	537	24750	1.00E-115	237	246	96 +	61	306	15432	15677
UN63043	Rsa1.0.00707.1	654	190112	0	367	373	98 +	282	654	139464	139836
UN63044	Rsa1.0.00008.1	588	358124	0	407	424	95 -	3	426	56542	56964
UN63045	Rsa1.0.00076.1	811	146021	1.00E-126	229	229	100 -	3	231	74227	74455
UN63046	Rsa1.0.04411.1	723	142979	0	420	420	100 -	3	422	8384	8803
UN63047	Rsa1.0.07390.1	701	9477	0	406	417	97 +	285	700	3948	4364
UN63048	Rsa1.0.00351.1	608	413096	1.00E-165	297	298	99 +	3	300	146261	146558
UN63049	Rsa1.0.01846.1	687	38367	1.00E-163	303	307	98 -	140	446	36153	36459
UN63050	Rsa1.0.00314.1	617	96472	1.00E-138	350	384	91 +	206	587	30151	30525
UN63051	Rsa1.0.00060.1	610	502678	1.00E-180	366	380	96 -	129	507	387116	387495
UN63052	Rsa1.0.01045.1	563	55853	1.00E-148	303	314	96 -	251	563	25110	25423
UN63053	Rsa1.0.00208.1	608	108565	7.00E-66	140	144	97 -	1	144	20790	20933
UN63054	Rsa1.0.00190.1	786	318240	1.00E-104	241	257	93 +	3	259	10038	10294
UN63055	Rsa1.0.01171.1	272	51752	1.00E-141	262	265	98 -	8	272	31454	31718
UN63056	Rsa1.0.00855.1	456	62047	3.00E-89	208	223	93 -	31	253	6321	6534
UN63057	Rsa1.0.00002.1	603	601661	1.00E-137	282	293	96 +	5	297	264132	264421
UN63058	Rsa1.0.07795.1	460	8543	0	440	454	96 +	7	460	579	1032
UN63059	Rsa1.0.11081.1	591	5623	1.00E-110	211	214	98 +	86	299	5130	5343
UN63060	Rsa1.0.00352.1	640	92266	0	544	558	97 -	3	559	26243	26800
UN63061	Rsa1.0.00015.1	605	561803	0	476	515	92 +	94	595	525788	526297

UN63062	Rsa1.0.07882.1	729	8363	6.00E-73	166	175	94 -	2	170	1473	1647
UN63063	Rsa1.0.00017.1	738	752458	0	471	507	92 -	169	672	124431	124925
UN63064	Rsa1.0.00018.1	441	410899	1.00E-63	145	152	95 +	77	228	186717	186868
UN63065	Rsa1.0.03735.1	616	21087	0	441	454	97 +	164	616	3647	4100
UN63066	Rsa1.0.03956.1	566	19872	3.00E-83	195	207	94 -	124	330	19590	19793
UN63067	Rsa1.0.00324.1	672	218805	0	413	418	98 +	2	419	17432	17849
UN63068	Rsa1.0.00143.1	738	121313	0	718	739	97 +	2	738	64628	65366
UN63069	Rsa1.0.03681.1	568	21405	2.00E-75	153	156	98 -	413	568	1810	1965
UN63070	#	#	#	#	#	#	#	#	#	#	#
UN63071	Rsa1.0.00543.1	631	76788	0	593	598	99 +	32	629	62318	62913
UN63072	Rsa1.0.01864.1	375	37998	1.00E-136	255	257	99 +	119	375	11783	12038
UN63073	Rsa1.0.00166.1	623	240912	0	518	553	93 +	83	623	134247	134799
UN63074	Rsa1.0.02346.1	205	32337	4.00E-71	175	187	93 -	1	187	8469	8653
UN63075	Rsa1.0.00458.1	603	82717	0	364	367	99 +	3	368	49595	49961
UN63076	Rsa1.0.05380.1	475	13968	2.00E-99	205	211	97 -	3	211	5039	5249
UN63077	Rsa1.0.01560.1	651	43256	1.00E-107	270	291	92 +	366	651	41496	41785
UN63078	Rsa1.0.01287.1	706	49195	0	351	360	97 -	1	360	4086	4445
UN63079	Rsa1.0.00036.1	242	176186	2.00E-98	226	241	93 +	2	242	54796	55025
UN63080	Rsa1.0.35587.1	785	636	1.00E-71	255	294	86 -	208	501	174	467
UN63081	Rsa1.0.72337.1	643	317	1.00E-166	313	317	98 -	235	550	1	317
UN63082	Rsa1.0.05942.1	572	12158	0	549	571	96 -	2	568	11545	12105
UN63083	Rsa1.0.02561.1	700	30080	0	364	375	97 +	3	377	18408	18782
UN63084	Rsa1.0.00310.1	643	96852	0	619	643	96 -	2	643	4283	4925
UN63085	Rsa1.0.01442.1	501	45776	1.00E-130	242	244	99 +	3	246	41778	42021
UN63086	Rsa1.0.00738.1	494	66322	2.33E-156	299	308	97 +	14	319	27056	27359
UN63087	Rsa1.0.00041.1	651	186197	2.33E-156	311	327	95 +	3	329	32025	32351
UN63088	Rsa1.0.00114.1	570	131330	2.00E-23	72	77	93 +	309	385	112622	112698
UN63089	Rsa1.0.00123.1	744	325650	1.00E-131	268	274	97 +	463	734	180639	180911
UN63090	Rsa1.0.00411.1	648	86944	0	636	666	95 +	2	648	62152	62814
UN63091	Rsa1.0.00961.1	716	58185	0	688	707	97 +	1	705	22484	23189
UN63092	Rsa1.0.00112.1	683	132199	1.00E-150	279	282	98 -	3	284	73976	74257
UN63093	Rsa1.0.00525.1	745	78030	1.00E-157	330	342	96 -	10	349	35908	36248
UN63094	Rsa1.0.51346.1	489	443	1.00E-134	273	282	96 +	3	282	127	408
UN63095	Rsa1.0.06271.1	781	11351	1.00E-61	121	121	100 +	380	500	2843	2963
UN63096	Rsa1.0.00446.1	777	167829	0	335	335	100 +	2	336	133701	134035
UN63097	Rsa1.0.00459.1	630	82580	3.00E-68	153	160	95 -	186	345	63936	64095
UN63098	Rsa1.0.00304.1	696	97429	0	390	398	97 +	2	399	21998	22395
UN63099	Rsa1.0.04250.1	682	18264	1.00E-113	208	208	100 +	2	209	5978	6185
UN63100	Rsa1.0.02420.1	708	31580	0	686	708	96 -	4	708	15953	16660

UN63101	Rsa1.0_03183.1	602	24755	0	422	453	93 -	2	454	8389	8841
UN63102	Rsa1.0_04466.1	767	17236	0	663	677	97 +	70	744	7948	8624
UN63103	Rsa1.0_01453.1	679	45449	1.00E-153	295	298	98 +	383	677	5772	6069
UN63104	Rsa1.0_00148.1	647	120234	1.00E-157	290	293	98 +	256	548	61369	61661
UN63105	Rsa1.0_00349.1	592	92621	0	411	413	99 +	180	592	60612	61024
UN63106	Rsa1.0_00198.1	671	222963	0	423	456	92 +	3	440	128659	129114
UN63107	Rsa1.0_00128.1	659	228675	3.00E-56	130	136	95 +	274	409	87011	87146
UN63108	Rsa1.0_00089.1	573	406142	0	472	481	98 -	93	573	239642	240122
UN63109	Rsa1.0_01039.1	702	55946	0	642	665	96 +	1	664	54254	54918
UN63110	Rsa1.0_09169.1	665	6589	0	649	649	100 -	3	651	5414	6062
UN63111	Rsa1.0_01080.1	555	54752	0	495	521	95 -	37	555	34053	34573
UN63112	Rsa1.0_04504.1	123	17069	6.00E-41	101	105	96 +	1	105	2728	2831
UN63113	Rsa1.0_00185.1	459	248445	0	441	456	96 +	1	456	6894	7349
UN63114	Rsa1.0_01864.1	662	37998	0	561	588	95 +	90	662	29145	29729
UN63115	Rsa1.0_14302.1	720	3558	1.00E-140	327	355	92 +	3	357	799	1138
UN63116	Rsa1.0_01523.1	724	43959	1.00E-67	131	131	100 +	286	416	23028	23158
UN63117	Rsa1.0_00012.1	627	222148	1.00E-142	256	256	100 -	3	258	13799	14054
UN63118	Rsa1.0_42411.1	202	529	4.00E-71	163	168	97 +	37	202	59	225
UN63119	Rsa1.0_19234.1	470	1460	1.00E-119	230	234	98 -	1	234	494	727
UN63120	Rsa1.0_01616.1	789	42137	1.00E-169	378	396	95 +	354	742	21496	21891
UN63121	Rsa1.0_01073.1	699	55030	0	354	361	98 +	339	699	4648	5008
UN63122	Rsa1.0_05579.1	812	13275	1.00E-131	240	241	99 +	2	242	11629	11869
UN63123	Rsa1.0_02820.1	809	27629	1.00E-145	286	293	97 +	4	296	2290	2581
UN63124	Rsa1.0_00950.1	631	58547	1.00E-114	209	209	100 +	3	211	24481	24689
UN63125	Rsa1.0_00089.1	549	406142	0	535	543	98 -	2	544	322213	322755
UN63126	Rsa1.0_05632.1	441	13120	1.00E-152	379	413	91 -	26	429	8206	8612
UN63127	Rsa1.0_00339.1	759	222974	1.00E-95	218	228	95 +	537	759	177448	177675
UN63128	Rsa1.0_02820.1	547	27629	1.00E-139	276	283	97 +	2	284	2300	2581
UN63129	Rsa1.0_01151.1	677	52268	0	616	626	98 -	2	627	3960	4585
UN63130	Rsa1.0_00890.1	744	323870	0	491	504	97 +	25	519	182319	182822
UN63131	Rsa1.0_00291.1	569	172129	1.00E-109	222	229	96 -	68	296	96215	96443
UN63132	Rsa1.0_02418.1	601	31590	1.00E-103	194	195	99 +	119	313	17724	17918
UN63133	Rsa1.0_00218.1	738	201480	0	718	740	97 -	1	738	138888	139627
UN63134	Rsa1.0_00023.1	548	194764	0	520	555	93 +	2	548	118191	118727
UN63135	Rsa1.0_02735.1	652	28344	0	540	601	89 +	7	594	2745	3325
UN63136	Rsa1.0_00069.1	690	403561	0	672	703	95 -	3	690	361810	362512
UN63137	Rsa1.0_01022.1	669	56606	0	639	662	96 +	11	669	21475	22136
UN63138	Rsa1.0_02110.1	576	34919	1.00E-114	239	249	95 -	68	316	28480	28728
UN63139	Rsa1.0_01565.1	567	155447	0	564	566	99 -	2	567	35961	36525

UN63140	Rsa1.0.00546.1	722	76523	1.00E-126	447	513	87 -	3	500	62118	62605
UN63141	Rsa1.0.08023.1	535	8071	1.00E-124	397	453	87 -	8	452	6044	6463
UN63142	Rsa1.0.03929.1	169	19994	3.00E-83	156	156	100 +	14	169	15319	15474
UN63143	Rsa1.0.12992.1	491	130538	0	421	424	99 -	68	491	130115	130538
UN63144	Rsa1.0.08575.1	563	7180	0	559	561	99 +	3	563	4943	5503
UN63145	Rsa1.0.00642.1	604	201230	0	346	347	99 +	258	604	68602	68948
UN63146	Rsa1.0.01039.1	647	55946	2.00E-88	181	186	97 +	153	338	27773	27958
UN63147	Rsa1.0.02606.1	574	29635	1.00E-122	483	564	85 +	29	574	3825	4359
UN63148	Rsa1.0.05124.1	545	14790	0	365	379	96 +	167	545	717	1095
UN63149	Rsa1.0.02750.1	128	28239	8.00E-62	126	128	98 -	1	128	5269	5396
UN63150	Rsa1.0.00838.1	609	153820	0	586	607	96 +	3	609	58605	59205
UN63151	Rsa1.0.00715.1	386	67116	1.00E-72	160	167	95 -	4	165	41043	41209
UN63152	Rsa1.0.00550.1	634	210790	0	613	634	96 -	2	634	201994	202627
UN63153	Rsa1.0.02506.1	202	30700	8.00E-94	180	182	98 +	1	182	5023	5204
UN63154	Rsa1.0.05643.1	784	13065	0	699	718	97 -	71	784	3242	3959
UN63155	Rsa1.0.08215.1	564	7711	0	445	465	95 -	3	455	2325	2789
UN63156	Rsa1.0.00021.1	328	263655	1.00E-173	322	326	98 -	3	328	131524	131847
UN63157	Rsa1.0.05047.1	584	15032	0	479	498	96 -	2	493	11264	11761
UN63158	Rsa1.0.00041.1	783	186197	1.00E-123	281	293	95 -	496	783	133875	134167
UN63159	Rsa1.0.00398.1	381	88007	1.00E-100	230	242	95 -	2	242	44704	44944
UN63160	#	#	#	#	#	#	#	#	#	#	#
UN63161	Rsa1.0.04051.1	764	19375	6.00E-67	136	138	98 -	223	360	13070	13207
UN63162	Rsa1.0.01121.1	647	53407	0	639	645	99 +	3	647	12246	12890
UN63163	Rsa1.0.03488.1	742	22556	0	575	578	99 +	2	579	13060	13637
UN63164	Rsa1.0.00822.1	675	62891	1.00E-116	254	267	95 +	3	267	2679	2945
UN63165	Rsa1.0.07671.1	671	8860	0	671	671	100 +	1	671	3303	3973
UN63166	Rsa1.0.01634.1	594	41865	1.00E-112	206	206	100 -	2	207	40498	40703
UN63167	Rsa1.0.19075.1	664	1483	0	523	554	94 +	2	549	192	742
UN63168	Rsa1.0.00148.1	773	120234	0	573	587	97 +	3	580	11759	12345
UN63169	Rsa1.0.03552.1	425	22151	0	420	429	97 -	3	425	8470	8897
UN63170	Rsa1.0.00013.1	743	292129	1.00E-37	84	85	98 +	134	218	158323	158407
UN63171	Rsa1.0.00151.1	325	119541	1.00E-119	263	276	95 +	50	325	43485	43752
UN63172	Rsa1.0.04018.1	661	19551	1.00E-167	301	302	99 +	250	551	1897	2198
UN63173	Rsa1.0.00878.1	587	330303	1.00E-144	325	346	93 -	129	474	148561	148903
UN63174	Rsa1.0.05819.1	771	12543	1.00E-148	269	270	99 -	2	271	6432	6701
UN63175	Rsa1.0.14734.1	615	3116	0	488	511	95 -	48	558	139	643
UN63176	Rsa1.0.01160.1	538	52068	5.00E-14	71	81	87 -	51	131	19207	19287
UN63177	Rsa1.0.02948.1	453	26526	3.00E-61	139	144	96 +	30	172	5602	5745
UN63178	Rsa1.0.02884.1	651	27034	1.00E-168	429	483	88 -	213	648	20559	21041

UN63179	Rsa1.0.01516.1	457	44196	1.00E-91	198	206	96 -	2	205	24091	24296
UN63180	Rsa1.0.03650.1	768	21583	3.00E-25	87	96	90 -	514	609	8999	9094
UN63181	Rsa1.0.01431.1	700	167877	0	429	461	93 +	66	514	14362	14817
UN63182	Rsa1.0.00583.1	227	74309	1.00E-61	151	158	95 -	4	159	69775	69929
UN63183	Rsa1.0.01344.1	656	142535	0	645	658	98 -	2	656	133044	133700
UN63184	Rsa1.0.00701.1	590	67691	0	427	433	98 -	3	435	6019	6451
UN63185	Rsa1.0.00139.1	749	357786	1.00E-74	274	314	87 -	5	311	32194	32505
UN63186	Rsa1.0.01124.1	635	53295	2.00E-41	162	187	86 -	1	187	39677	39863
UN63187	Rsa1.0.00307.1	708	199003	9.00E-72	141	142	99 -	96	237	82038	82179
UN63188	Rsa1.0.00414.1	736	202190	5.00E-98	208	216	96 -	64	279	197259	197471
UN63189	Rsa1.0.02359.1	657	32211	0	528	542	97 -	119	657	21898	22439
UN63190	Rsa1.0.00971.1	617	57973	0	412	430	95 +	1	426	55688	56112
UN63191	Rsa1.0.03831.1	585	20579	0	583	584	99 -	2	585	7181	7764
UN63192	Rsa1.0.00713.1	121	158017	7.00E-59	115	115	100 -	2	116	49753	49867
UN63193	Rsa1.0.01000.1	406	57140	1.00E-149	365	399	91 -	2	399	53385	53755
UN63194	Rsa1.0.01389.1	634	46716	1.00E-102	210	217	96 +	418	634	44422	44638
UN63195	Rsa1.0.01321.1	614	48248	0	399	409	97 +	204	608	6404	6812
UN63196	Rsa1.0.21540.1	746	1194	0	603	638	94 -	2	638	1	632
UN63197	Rsa1.0.02336.1	490	32397	0	358	360	99 +	2	361	28179	28538
UN63198	Rsa1.0.00262.1	712	101906	1.00E-107	206	209	98 -	504	712	96021	96229
UN63199	Rsa1.0.00243.1	567	103651	0	373	375	99 -	1	373	92979	93353
UN63200	Rsa1.0.00012.1	417	222148	1.00E-155	387	418	92 +	3	415	131062	131471
UN63201	Rsa1.0.00407.1	243	191544	4.00E-99	227	238	95 -	1	236	160804	161039
UN63202	Rsa1.0.00340.1	413	305782	1.00E-115	246	258	95 -	36	293	102126	102383
UN63203	Rsa1.0.02194.1	552	34029	1.00E-172	338	347	97 +	141	486	11929	12271
UN63204	Rsa1.0.16163.1	768	2261	0	562	588	95 -	113	700	759	1346
UN63205	Rsa1.0.00589.1	779	209965	2.00E-97	255	277	92 -	404	678	189295	189571
UN63206	Rsa1.0.00340.1	697	305782	0	494	513	96 -	176	682	32448	32954
UN63207	Rsa1.0.10831.1	622	5708	1.00E-33	216	257	84 +	14	264	934	1185
UN63208	Rsa1.0.00066.1	444	152418	4.00E-79	190	201	94 -	49	247	52686	52885
UN63209	Rsa1.0.01635.1	682	41865	2.00E-75	144	144	100 -	502	645	21446	21589
UN63210	Rsa1.0.00911.1	729	59943	0	620	639	97 +	95	729	13349	13987
UN63211	Rsa1.0.02187.1	225	34113	1.00E-119	224	225	99 -	2	225	22220	22444
UN63212	Rsa1.0.13907.1	515	4113	1.00E-111	262	280	93 +	159	437	1509	1783
UN63213	Rsa1.0.00127.1	522	127446	0	496	510	97 +	13	522	121671	122180
UN63214	Rsa1.0.64378.1	245	356	1.00E-133	243	244	99 -	2	245	14	257
UN63215	Rsa1.0.02811.1	162	27669	1.00E-67	156	161	96 -	2	162	13318	13474
UN63216	Rsa1.0.01891.1	650	37530	0	368	382	96 +	269	650	36036	36416
UN63217	Rsa1.0.00959.1	679	58202	0	656	682	96 +	1	676	56856	57526

UN63218	Rsa1.0.03057.1	579	25724	0	473	481	98 -	99	579	11923	12403
UN63219	Rsa1.0.00073.1	647	240924	0	469	483	97 +	92	569	209256	209738
UN63220	Rsa1.0.05199.1	622	14529	1.00E-156	355	380	93 -	2	381	5237	5616
UN63221	Rsa1.0.01046.1	654	152989	0	377	392	96 +	222	613	136697	137088
UN63222	Rsa1.0.02950.1	784	26506	3.00E-96	194	199	97 -	251	449	20132	20330
UN63223	Rsa1.0.03865.1	606	20373	1.00E-79	157	159	98 +	105	263	9267	9425
UN63224	Rsa1.0.10094.1	495	6000	0	399	401	99 -	89	489	472	872
UN63225	Rsa1.0.02872.1	764	27080	5.00E-92	225	235	95 -	528	758	9238	9469
UN63226	Rsa1.0.00249.1	569	153740	0	566	569	99 +	1	569	93251	93819
UN63227	Rsa1.0.02246.1	654	33435	1.00E-144	304	319	95 +	159	477	7137	7455
UN63228	Rsa1.0.00060.1	755	502678	0	743	754	98 -	3	755	111785	112538
UN63229	Rsa1.0.01682.1	608	41090	1.00E-180	326	328	99 +	280	607	25344	25671
UN63230	Rsa1.0.00327.1	396	94892	6.00E-90	168	168	100 +	180	347	19710	19877
UN63231	Rsa1.0.01817.1	681	38849	1.00E-167	323	330	97 +	302	631	31779	32107
UN63232	Rsa1.0.05600.1	498	13222	1.00E-139	257	259	99 -	155	413	5917	6175
UN63233	Rsa1.0.04849.1	773	15726	0	427	429	99 +	4	432	3565	3993
UN63234	Rsa1.0.05317.1	712	14160	3.00E-87	164	164	100 -	307	470	9125	9288
UN63235	Rsa1.0.03476.1	791	22646	0	613	630	97 -	2	631	10297	10923
UN63236	Rsa1.0.00094.1	787	139042	1.00E-165	306	310	98 -	2	311	76389	76698
UN63237	Rsa1.0.00294.1	698	144860	3.00E-84	171	175	97 +	418	592	22556	22730
UN63238	Rsa1.0.04602.1	794	16684	1.00E-179	503	558	90 -	137	675	13966	14511
UN63239	Rsa1.0.08700.1	715	7028	0	432	437	98 +	272	706	4920	5356
UN63240	Rsa1.0.04448.1	421	17309	1.00E-164	390	420	92 +	4	421	9976	10394
UN63241	Rsa1.0.09211.1	662	6556	4.00E-52	118	121	97 -	533	652	3110	3230
UN63242	Rsa1.0.00018.1	618	410899	0	340	345	98 -	3	347	375439	375783
UN63243	Rsa1.0.00802.1	762	63846	0	375	382	98 +	361	739	26567	26948
UN63244	Rsa1.0.00876.1	784	61328	0	592	615	96 -	167	781	8718	9332
UN63245	Rsa1.0.21613.1	764	1187	1.00E-163	312	318	98 -	3	318	714	1031
UN63246	Rsa1.0.01516.1	731	44196	1.00E-125	286	304	94 -	222	524	37069	37372
UN63247	Rsa1.0.00685.1	629	68515	0	615	624	98 +	1	624	12791	13414
UN63248	Rsa1.0.00831.1	711	62673	0	690	715	96 -	2	711	57344	58055
UN63249	Rsa1.0.00321.1	657	95671	1.00E-137	265	270	98 +	329	595	67633	67902
UN63250	Rsa1.0.15357.1	691	2660	0	630	667	94 +	36	690	1350	2013
UN63251	Rsa1.0.03005.1	609	26082	1.00E-117	243	252	96 +	232	480	571	822
UN63252	Rsa1.0.00476.1	786	280966	1.00E-106	213	216	98 +	508	721	6730	6945
UN63253	Rsa1.0.00320.1	792	95784	1.00E-174	360	377	95 -	318	694	62271	62647
UN63254	Rsa1.0.00016.1	530	831256	1.00E-125	283	299	94 -	119	416	205928	206225
UN63255	Rsa1.0.02186.1	815	34150	1.00E-125	240	244	98 -	44	287	15168	15411
UN63256	Rsa1.0.13762.1	460	4370	1.00E-140	283	293	96 -	168	460	3741	4033

UN63257	Rsa1.0.06524.1	739	10853	0	477	515	92 -	31	540	9714	10220
UN63258	Rsa1.0.01476.1	579	172928	0	553	573	96 +	2	574	10166	10738
UN63259	Rsa1.0.02768.1	803	28110	1.00E-115	226	231	97 +	3	233	4387	4617
UN63260	Rsa1.0.03903.1	766	20166	0	658	664	99 -	3	665	18810	19473
UN63261	Rsa1.0.00154.1	203	189461	1.00E-101	200	203	98 -	2	203	28091	28293
UN63262	Rsa1.0.01942.1	705	37048	0	518	529	97 +	181	705	3758	4286
UN63263	Rsa1.0.13349.1	542	4897	0	380	380	100 -	161	540	4518	4897
UN63264	Rsa1.0.00049.1	395	167018	1.00E-116	233	239	97 +	155	393	82583	82819
UN63265	Rsa1.0.04303.1	827	18007	0	467	500	93 -	3	496	11053	11537
UN63266	Rsa1.0.01583.1	610	156297	4.00E-58	121	123	98 -	247	369	129994	130116
UN63267	Rsa1.0.01121.1	577	53407	1.00E-102	201	205	98 -	3	207	52331	52535
UN63268	Rsa1.0.00106.1	718	133916	0	700	719	97 -	2	718	97112	97830
UN63269	Rsa1.0.01722.1	465	40320	0	430	437	98 -	30	465	556	989
UN63270	Rsa1.0.00898.1	505	202772	1.00E-51	107	108	99 +	211	318	3148	3255
UN63271	Rsa1.0.37242.1	790	605	3.00E-96	259	279	92 -	496	764	59	337
UN63272	Rsa1.0.00040.1	765	324196	1.00E-166	433	475	91 +	307	765	223524	223994
UN63273	Rsa1.0.00674.1	788	193753	0	738	775	95 +	1	747	179813	180585
UN63274	Rsa1.0.00161.1	610	116891	0	506	526	96 +	85	610	93522	94037
UN63275	Rsa1.0.00458.1	753	82717	1.00E-117	246	254	96 -	5	254	70453	70702
UN63276	Rsa1.0.00729.1	457	66690	0	451	455	99 -	4	457	42268	42722
UN63277	Rsa1.0.00556.1	754	207212	0	514	544	94 +	164	704	51917	52456
UN63278	Rsa1.0.00120.1	673	277288	1.00E-42	149	169	88 -	133	301	229170	229338
UN63279	Rsa1.0.13800.1	348	4315	6.00E-96	236	254	92 +	96	348	915	1168
UN63280	Rsa1.0.01629.1	243	41917	2.00E-33	104	109	95 -	133	237	16008	16116
UN63281	Rsa1.0.00033.1	716	515811	0	441	448	98 -	177	624	146527	146971
UN63282	Rsa1.0.03158.1	475	24950	1.00E-172	345	359	96 -	2	352	1	359
UN63283	Rsa1.0.00886.1	199	167350	1.00E-89	173	175	98 -	21	195	41715	41889
UN63284	Rsa1.0.01243.1	636	50061	0	631	634	99 +	3	636	48901	49534
UN63285	Rsa1.0.10442.1	510	5849	1.00E-82	159	160	99 +	164	323	2226	2385
UN63286	Rsa1.0.02309.1	540	32744	0	379	398	95 +	150	540	31125	31520
UN63287	Rsa1.0.00104.1	807	368722	0	764	814	93 -	3	807	165286	166099
UN63288	Rsa1.0.01018.1	813	56685	0	420	453	92 +	3	455	29548	29972
UN63289	Rsa1.0.04153.1	414	18807	1.00E-111	240	252	95 +	161	412	16104	16355
UN63290	Rsa1.0.02008.1	654	36109	4.00E-18	90	104	86 -	223	326	35397	35500
UN63291	Rsa1.0.02037.1	806	35717	1.00E-178	353	361	97 +	373	730	24954	25314
UN63292	Rsa1.0.01729.1	198	304246	7.00E-91	193	200	96 -	1	198	141152	141351
UN63293	Rsa1.0.00873.1	549	61459	1.00E-152	299	308	97 +	242	549	7862	8169
UN63294	Rsa1.0.02221.1	648	33796	1.00E-179	367	382	96 -	268	648	17945	18326
UN63295	Rsa1.0.02505.1	721	30703	1.00E-160	426	467	91 -	258	711	22127	22592

UN63296	Rsa1.0.32718.1	783	695	0	556	572	97 +	2	573	124	695
UN63297	Rsa1.0.00088.1	748	141341	0	646	708	91 -	17	711	64423	65109
UN63298	Rsa1.0.01613.1	786	182542	1.00E-135	260	264	98 +	1	264	164122	164384
UN63299	Rsa1.0.04393.1	376	17573	0	375	375	100 +	2	376	12402	12776
UN63300	Rsa1.0.00928.1	756	59293	1.00E-106	209	212	98 -	3	213	32258	32469
UN63301	Rsa1.0.01611.1	533	42269	1.00E-179	318	318	100 -	3	320	6192	6509
UN63302	Rsa1.0.00039.1	751	296927	1.00E-154	341	365	93 +	399	751	39321	39685
UN63303	Rsa1.0.06294.1	807	11291	0	802	810	99 +	3	807	704	1513
UN63304	Rsa1.0.02586.1	787	29856	1.00E-127	278	296	93 -	345	628	7362	7657
UN63305	Rsa1.0.05289.1	402	14259	1.00E-84	240	265	90 -	131	395	4143	4393
UN63306	Rsa1.0.00970.1	734	57994	0	365	367	99 -	370	734	40602	40968
UN63307	Rsa1.0.00148.1	813	120234	0	790	832	94 +	3	806	30662	31493
UN63308	Rsa1.0.00205.1	672	193401	2.00E-94	221	233	94 -	405	633	130115	130345
UN63309	Rsa1.0.00127.1	583	127446	7.00E-69	467	576	81 +	2	561	66245	66793
UN63310	Rsa1.0.00453.1	652	83031	1.00E-163	371	398	93 -	269	646	38182	38578
UN63311	Rsa1.0.04497.1	439	17103	0	397	412	96 -	1	410	10987	11398
UN63312	Rsa1.0.39668.1	776	567	0	438	454	96 +	3	455	116	567
UN63313	Rsa1.0.07208.1	741	9719	0	717	743	96 +	2	741	6559	7301
UN63314	Rsa1.0.00181.1	593	114269	0	568	590	96 -	5	593	60593	61178
UN63315	Rsa1.0.01228.1	471	50238	1.00E-122	268	281	95 +	191	471	733	1010
UN63316	Rsa1.0.00068.1	664	151813	6.00E-85	229	254	90 -	275	525	107211	107446
UN63317	Rsa1.0.00427.1	785	189678	1.00E-166	382	403	94 +	349	745	181241	181642
UN63318	Rsa1.0.16000.1	314	2327	1.00E-68	155	163	95 +	58	214	2074	2236
UN63319	Rsa1.0.00193.1	768	194198	0	559	564	99 +	1	560	9838	10401
UN63320	Rsa1.0.00201.1	580	232851	0	389	403	96 +	186	580	55560	55961
UN63321	Rsa1.0.21923.1	528	1163	1.00E-171	352	368	95 -	155	521	806	1163
UN63322	Rsa1.0.00189.1	616	111830	0	380	381	99 +	3	383	42061	42441
UN63323	Rsa1.0.00149.1	387	305196	8.00E-74	147	149	98 +	122	270	8266	8414
UN63324	Rsa1.0.00221.1	638	106972	0	444	456	97 +	141	596	28891	29346
UN63325	Rsa1.0.00167.1	522	116000	2.00E-78	164	169	97 +	178	346	15680	15848
UN63326	Rsa1.0.01286.1	457	49209	0	435	456	95 -	2	457	7370	7825
UN63327	Rsa1.0.07462.1	525	9332	1.00E-82	159	160	99 -	350	509	9173	9332
UN63328	Rsa1.0.01313.1	192	48387	2.00E-38	90	93	96 -	7	99	20057	20149
UN63329	Rsa1.0.00816.1	107	403350	7.00E-34	93	97	95 -	13	107	391700	391796
UN63330	Rsa1.0.01360.1	435	47246	1.00E-169	339	352	96 +	2	353	45126	45471
UN63331	Rsa1.0.00107.1	463	431659	0	439	451	97 -	2	451	153492	153942
UN63332	Rsa1.0.00454.1	522	216970	1.00E-119	241	248	97 +	3	250	142064	142308
UN63333	Rsa1.0.00125.1	552	253043	0	329	329	100 +	204	532	214464	214792
UN63334	Rsa1.0.03184.1	588	24750	0	489	512	95 +	4	515	15432	15930

UN63335	Rsa1.0.00038.1	610	314568	0	591	610	96 +	3	610	191666	192271
UN63336	Rsa1.0.08144.1	660	7835	1.00E-149	332	353	94 -	25	372	6964	7313
UN63337	Rsa1.0.02490.1	634	30885	1.00E-157	284	285	99 -	214	498	6530	6814
UN63338	Rsa1.0.00975.1	646	57865	0	501	505	99 +	142	646	34239	34742
UN63339	Rsa1.0.00100.1	505	249232	1.00E-143	307	321	95 +	1	321	11198	11516
UN63340	Rsa1.0.02888.1	135	27020	1.00E-54	111	112	99 +	24	135	19157	19268
UN63341	Rsa1.0.02848.1	305	27329	3.00E-45	115	121	95 +	179	298	23348	23468
UN63342	Rsa1.0.00236.1	406	104771	1.00E-151	381	414	92 -	1	406	74773	75180
UN63343	Rsa1.0.03609.1	614	21798	1.00E-118	242	251	96 -	128	378	19650	19900
UN63344	Rsa1.0.04463.1	794	17247	0	791	794	99 +	2	794	3299	4092
UN63345	Rsa1.0.04594.1	642	16713	0	624	641	97 -	3	642	15432	16072
UN63346	Rsa1.0.00562.1	639	75565	0	619	640	96 -	2	639	24387	25023
UN63347	Rsa1.0.01921.1	579	168088	1.00E-149	285	291	97 -	264	554	154135	154425
UN63348	Rsa1.0.01591.1	460	42718	1.00E-103	257	275	93 -	172	441	8961	9233
UN63349	Rsa1.0.00010.1	317	294827	5.00E-93	214	225	95 +	98	317	120230	120452
UN63350	Rsa1.0.00363.1	322	90968	5.00E-87	257	285	90 +	37	318	42303	42575
UN63351	Rsa1.0.00218.1	340	201480	3.00E-79	175	182	96 +	3	183	32200	32381
UN63352	Rsa1.0.06990.1	261	10060	2.00E-55	197	225	87 +	41	261	4389	4595
UN63353	#	#	#	#	#	#	#	#	#	#	#
UN63354	Rsa1.0.01605.1	509	42442	1.00E-109	216	221	97 +	164	384	42110	42330
UN63355	Rsa1.0.02057.1	478	35540	1.00E-119	218	218	100 +	92	309	8154	8371
UN63356	Rsa1.0.00176.1	416	240984	0	402	413	97 +	1	409	234198	234610
UN63357	Rsa1.0.03511.1	290	22373	1.00E-105	263	285	92 +	7	290	4989	5273
UN63358	Rsa1.0.00097.1	225	138858	5.00E-83	156	156	100 +	70	225	119398	119553
UN63359	Rsa1.0.00194.1	432	110851	1.00E-134	246	247	99 -	3	249	8652	8898
UN63360	Rsa1.0.16934.1	725	1983	0	684	718	95 +	3	720	1111	1827
UN63361	Rsa1.0.00726.1	670	66734	1.00E-138	266	270	98 -	296	564	50406	50675
UN63362	Rsa1.0.00663.1	436	164969	1.00E-112	209	210	99 +	227	436	8372	8581
UN63363	Rsa1.0.05865.1	573	12377	1.00E-116	216	217	99 +	80	296	11793	12009
UN63364	Rsa1.0.01018.1	276	56685	1.00E-126	269	281	95 +	2	276	25337	25617
UN63365	Rsa1.0.00214.1	693	107508	0	405	415	97 +	209	623	102294	102708
UN63366	Rsa1.0.00374.1	359	165738	4.00E-57	122	125	97 +	176	300	130742	130866
UN63367	Rsa1.0.00371.1	288	90463	1.00E-130	280	294	95 +	1	288	85570	85862
UN63368	Rsa1.0.00720.1	104	66931	8.00E-52	103	103	100 +	2	104	34621	34723
UN63369	Rsa1.0.00886.1	659	167350	0	407	424	95 +	240	659	765	1185
UN63370	Rsa1.0.00731.1	656	66638	0	639	655	97 -	2	656	13715	14369
UN63371	Rsa1.0.00278.1	298	231896	3.00E-63	238	276	86 +	42	298	16694	16964
UN63372	Rsa1.0.00576.1	606	178949	0	487	494	98 -	113	606	163441	163934
UN63373	Rsa1.0.00059.1	739	159650	0	369	378	97 +	3	379	68247	68624

UN63374	Rsa1.0.00694.1	674	68074	1.00E-15	81	92	88 -	535	625	52450	52541
UN63375	Rsa1.0.05909.1	734	12265	1.00E-126	265	276	96 +	439	711	5440	5715
UN63376	Rsa1.0.00373.1	692	90296	0	634	690	91 -	7	692	64311	64991
UN63377	Rsa1.0.00079.1	721	606987	0	706	710	99 -	2	711	594033	594741
UN63378	Rsa1.0.01760.1	178	39730	2.00E-48	164	183	89 -	4	175	7795	7977
UN63379	Rsa1.0.55725.1	729	410	2.00E-88	203	214	94 +	511	723	4	217
UN63380	Rsa1.0.61787.1	582	371	0	362	374	96 -	160	533	1	371
UN63381	Rsa1.0.00705.1	703	67505	1.00E-100	198	201	98 +	504	703	53349	53549
UN63382	Rsa1.0.00577.1	764	174827	0	412	444	92 +	90	514	149759	150199
UN63383	Rsa1.0.00520.1	780	78226	0	770	793	97 -	2	780	20010	20802
UN63384	Rsa1.0.00033.1	632	515811	0	565	621	90 -	18	632	356579	357196
UN63385	Rsa1.0.01867.1	771	37960	1.00E-150	269	269	100 +	28	296	5797	6065
UN63386	Rsa1.0.00172.1	714	115476	0	676	732	92 -	3	714	89682	90410
UN63387	Rsa1.0.00018.1	651	410899	0	646	651	99 +	1	651	75983	76631
UN63388	Rsa1.0.03133.1	601	25135	1.00E-139	366	409	89 +	201	601	15886	16278
UN63389	Rsa1.0.00055.1	623	520193	0	604	623	96 +	1	623	348148	348770
UN63390	Rsa1.0.00305.1	625	97308	1.00E-174	330	337	97 -	289	625	16567	16903
UN63391	Rsa1.0.01251.1	642	49873	0	377	384	98 -	5	388	2655	3038
UN63392	Rsa1.0.05431.1	651	13780	1.00E-177	352	363	96 -	271	632	8836	9198
UN63393	Rsa1.0.00090.1	662	273859	1.00E-129	340	376	90 +	277	642	232766	233128
UN63394	Rsa1.0.00053.1	776	263459	2.00E-82	168	172	97 +	51	222	49568	49739
UN63395	Rsa1.0.01943.1	665	37042	0	661	663	99 -	3	665	14564	15226
UN63396	Rsa1.0.01677.1	767	41140	1.00E-144	278	284	97 +	332	615	7463	7746
UN63397	Rsa1.0.00168.1	702	115870	0	681	700	97 +	3	702	72267	72966
UN63398	Rsa1.0.01907.1	725	37431	1.00E-125	266	279	95 +	131	403	27801	28079
UN63399	Rsa1.0.03762.1	800	20976	0	759	792	95 +	5	795	10909	11700
UN63400	Rsa1.0.00558.1	202	75819	2.00E-97	197	200	98 -	3	202	12552	12749
UN63401	Rsa1.0.00550.1	458	210790	0	367	368	99 +	91	458	196865	197232
UN63402	Rsa1.0.01769.1	178	39568	3.00E-74	141	141	100 -	38	178	35556	35696
UN63403	Rsa1.0.00026.1	329	327835	1.00E-131	264	272	97 +	2	271	106731	107002
UN63404	Rsa1.0.05477.1	685	13613	4.00E-92	175	176	99 -	131	306	5200	5375
UN63405	Rsa1.0.04399.1	685	17543	1.00E-147	303	316	95 +	152	467	11746	12061
UN63406	Rsa1.0.00009.1	650	232558	1.00E-180	356	370	96 +	1	359	148198	148567
UN63407	Rsa1.0.01231.1	605	50208	6.00E-14	104	125	83 +	464	588	46500	46624
UN63408	Rsa1.0.00423.1	789	86138	0	755	793	95 -	3	787	78577	79360
UN63409	Rsa1.0.00484.1	740	203294	0	464	480	96 -	215	691	126991	127469
UN63410	#	#	#	#	#	#	#	#	#	#	#
UN63411	Rsa1.0.00478.1	800	81419	1.00E-153	307	319	96 -	3	321	62811	63121
UN63412	Rsa1.0.00135.1	478	178077	0	350	351	99 -	3	353	176750	177100

UN63413	Rsa1.0_00326.1	350	171955	1.00E-133	304	322	94 -	6	327	67899	68215
UN63414	Rsa1.0_22317.1	348	1131	1.00E-149	303	314	96 +	4	314	818	1131
UN63415	Rsa1.0_00046.1	606	320315	1.00E-127	295	316	93 +	3	318	124662	124974
UN63416	Rsa1.0_05910.1	272	12264	1.00E-123	258	268	96 -	1	266	10224	10487
UN63417	Rsa1.0_43978.1	638	511	0	362	364	99 -	1	364	1	364
UN63418	Rsa1.0_01009.1	161	56922	3.00E-65	144	150	96 -	12	161	2471	2620
UN63419	Rsa1.0_00396.1	734	88242	0	721	736	97 +	3	733	85315	86050
UN63420	Rsa1.0_00867.1	672	61635	3.00E-71	163	171	95 +	386	553	17901	18071
UN63421	Rsa1.0_02003.1	761	36171	1.00E-179	333	338	98 -	3	340	33665	34002
UN63422	Rsa1.0_00339.1	474	222974	2.00E-96	182	183	99 +	264	446	203113	203295
UN63423	Rsa1.0_08309.1	566	7565	0	477	493	96 +	3	495	5547	6039
UN63424	Rsa1.0_00016.1	586	831256	1.00E-103	257	274	93 +	315	586	578847	579117
UN63425	Rsa1.0_00183.1	375	113277	1.00E-139	355	390	91 -	2	375	19191	19580
UN63426	Rsa1.0_00326.1	781	171955	0	703	774	90 -	16	763	65194	65943
UN63427	Rsa1.0_01092.1	617	54348	1.00E-33	92	98	93 -	520	617	16763	16860
UN63428	Rsa1.0_00259.1	452	163204	0	419	430	97 +	23	452	149420	149844
UN63429	Rsa1.0_04919.1	636	15440	1.00E-166	324	333	97 -	4	336	10487	10819
UN63430	Rsa1.0_16012.1	570	2324	1.00E-17	80	91	87 -	6	96	2004	2094
UN63431	Rsa1.0_05278.1	747	14282	2.00E-60	145	154	94 -	1	148	11809	11962
UN63432	Rsa1.0_01147.1	664	52391	1.00E-98	204	211	96 +	454	664	3547	3757
UN63433	Rsa1.0_00011.1	749	225044	1.00E-121	273	288	94 -	464	749	177400	177686
UN63434	Rsa1.0_01170.1	804	161131	0	766	797	96 +	10	803	115796	116583
UN63435	Rsa1.0_00182.1	772	142305	3.00E-84	159	159	100 +	192	350	125433	125591
UN63436	Rsa1.0_01474.1	564	45070	5.00E-85	178	184	96 -	356	539	32182	32365
UN63437	Rsa1.0_00966.1	734	58136	1.00E-119	221	222	99 -	448	669	45708	45929
UN63438	Rsa1.0_00017.1	797	752458	1.00E-134	245	246	99 -	2	247	723475	723720
UN63439	Rsa1.0_03692.1	415	21338	3.00E-67	136	138	98 -	141	278	7088	7225
UN63440	Rsa1.0_00025.1	544	277312	3.00E-92	275	308	89 +	4	302	57848	58148
UN63441	Rsa1.0_00292.1	785	98141	4.00E-46	101	103	98 +	141	243	21062	21164
UN63442	Rsa1.0_00206.1	780	109040	1.00E-132	256	260	98 +	197	455	26697	26956
UN63443	Rsa1.0_02822.1	593	27598	0	350	350	100 +	244	593	530	879
UN63444	Rsa1.0_00066.1	520	152418	1.00E-134	258	263	98 -	2	264	39938	40200
UN63445	Rsa1.0_01565.1	623	155447	0	546	575	94 +	55	623	153709	154283
UN63446	Rsa1.0_00108.1	392	478491	2.00E-80	176	184	95 +	132	315	466270	466453
UN63447	Rsa1.0_05542.1	754	13384	1.00E-110	254	270	94 +	95	364	11360	11623
UN63448	Rsa1.0_00055.1	750	520193	1.00E-117	241	250	96 +	395	644	3529	3778
UN63449	Rsa1.0_00105.1	326	134138	1.00E-145	311	326	95 +	4	326	97960	98284
UN63450	Rsa1.0_00047.1	657	168582	1.00E-98	192	195	98 +	128	322	31612	31806
UN63451	Rsa1.0_00212.1	768	108350	0	765	774	98 -	1	768	1821	2594

UN63452	Rsa1.0.00324.1	601	218805	4.00E-95	177	177	100 -	2	178	172511	172687
UN63453	Rsa1.0.02273.1	614	140964	1.00E-165	425	468	90 +	150	614	136881	137348
UN63454	Rsa1.0.26893.1	739	874	1.00E-154	302	310	97 +	329	635	565	874
UN63455	#	#	#	#	#	#	#	#	#	#	#
UN63456	Rsa1.0.00793.1	718	64103	3.00E-87	204	215	94 -	2	216	42366	42577
UN63457	Rsa1.0.01179.1	619	51549	1.00E-131	265	274	96 +	112	385	16245	16518
UN63458	Rsa1.0.00619.1	391	71985	1.00E-121	226	228	99 +	7	234	23974	24201
UN63459	Rsa1.0.01348.1	701	47569	0	560	562	99 +	140	701	43811	44372
UN63460	Rsa1.0.00038.1	498	314568	1.00E-142	267	271	98 -	228	498	238023	238293
UN63461	Rsa1.0.00399.1	669	242951	0	545	570	95 -	107	669	228320	228889
UN63462	Rsa1.0.00110.1	777	132719	1.00E-107	218	225	96 +	284	508	5698	5922
UN63463	Rsa1.0.00218.1	526	201480	1.00E-167	319	326	97 -	201	526	126688	127013
UN63464	Rsa1.0.01370.1	600	47093	2.00E-56	124	128	96 +	375	502	4775	4902
UN63465	Rsa1.0.07516.1	115	9218	3.00E-45	108	112	96 +	5	115	6987	7098
UN63466	Rsa1.0.00668.1	723	69421	1.00E-92	250	272	91 +	465	723	1	266
UN63467	Rsa1.0.00739.1	699	66155	0	492	504	97 +	195	697	21620	22123
UN63468	Rsa1.0.25026.1	680	955	0	578	610	94 +	86	680	1	606
UN63469	Rsa1.0.00923.1	761	153678	2.00E-97	197	202	97 +	512	709	21101	21302
UN63470	Rsa1.0.00373.1	712	90296	0	362	373	97 +	3	375	25722	26087
UN63471	Rsa1.0.01544.1	287	185602	1.00E-126	273	284	96 -	7	287	21710	21993
UN63472	Rsa1.0.00016.1	501	831256	1.00E-103	214	222	96 +	15	236	4750	4971
UN63473	Rsa1.0.04026.1	686	19508	0	652	680	95 +	11	684	12194	12873
UN63474	Rsa1.0.03402.1	251	23188	1.00E-118	243	250	97 -	3	251	12940	13187
UN63475	Rsa1.0.01686.1	744	40991	0	410	417	98 +	330	744	39546	39959
UN63476	Rsa1.0.24315.1	507	993	0	375	377	99 +	131	507	77	452
UN63477	Rsa1.0.00038.1	771	314568	5.00E-64	131	133	98 +	176	308	254723	254855
UN63478	Rsa1.0.00157.1	505	245832	0	439	467	94 +	34	499	239149	239601
UN63479	Rsa1.0.02634.1	733	29299	1.00E-143	311	327	95 -	370	687	26049	26375
UN63480	Rsa1.0.04863.1	646	15687	3.00E-59	120	121	99 -	319	439	8086	8206
UN63481	Rsa1.0.00020.1	788	283099	0	761	791	96 +	2	787	53484	54274
UN63482	Rsa1.0.00262.1	720	101906	0	531	534	99 -	186	719	8363	8896
UN63483	Rsa1.0.00275.1	762	210104	1.00E-144	296	307	96 -	437	743	172124	172429
UN63484	Rsa1.0.01558.1	594	43287	4.00E-64	208	232	89 -	366	594	32830	33060
UN63485	Rsa1.0.02943.1	553	153598	1.00E-82	186	196	94 -	197	392	130372	130567
UN63486	Rsa1.0.28859.1	637	801	0	594	622	95 -	19	637	121	742
UN63487	Rsa1.0.03673.1	741	21448	1.00E-112	273	288	94 -	458	737	4302	4589
UN63488	Rsa1.0.16572.1	295	2108	4.00E-72	195	208	93 +	91	295	43	246
UN63489	Rsa1.0.01197.1	458	51071	5.00E-60	150	157	95 +	292	447	3486	3639
UN63490	Rsa1.0.00016.1	746	831256	0	713	758	94 +	1	746	18025	18766

UN63491	Rsa1.0.01044.1	490	55861	1.00E-134	255	259	98 -	81	339	5029	5287
UN63492	Rsa1.0.01340.1	656	47805	1.00E-130	274	286	95 -	236	521	25414	25696
UN63493	Rsa1.0.01387.1	784	46745	0	607	656	92 +	3	649	40826	41477
UN63494	Rsa1.0.00646.1	655	70473	0	635	655	96 -	1	655	18090	18741
UN63495	Rsa1.0.00370.1	475	90472	3.00E-83	193	204	94 -	274	475	23223	23426
UN63496	Rsa1.0.00147.1	744	249503	0	543	567	95 +	174	737	240399	240965
UN63497	Rsa1.0.00339.1	362	222974	1.00E-160	340	357	95 +	3	358	202304	202660
UN63498	Rsa1.0.02098.1	780	35032	2.00E-45	119	126	94 -	571	695	19848	19973
UN63499	Rsa1.0.00336.1	748	445051	2.00E-72	139	139	100 -	610	748	168239	168377
UN63500	Rsa1.0.00963.1	334	58176	2.33E-156	315	330	95 -	2	330	40170	40498
UN63501	Rsa1.0.02946.1	771	26537	0	389	405	96 +	369	771	1368	1768
UN63502	Rsa1.0.00647.1	763	70440	0	491	492	99 +	128	619	20180	20671
UN63503	Rsa1.0.00170.1	744	179538	1.00E-110	228	235	97 -	45	278	23253	23487
UN63504	Rsa1.0.00124.1	731	262503	2.00E-69	143	146	97 +	462	607	18800	18945
UN63505	Rsa1.0.00154.1	631	189461	1.00E-64	153	162	94 -	308	469	135334	135495
UN63506	Rsa1.0.00018.1	531	410899	1.00E-88	175	178	98 +	3	180	76705	76882
UN63507	Rsa1.0.00453.1	131	83031	3.00E-33	124	140	88 -	1	129	16956	17095
UN63508	Rsa1.0.00322.1	458	212233	1.00E-106	233	244	95 +	1	243	92343	92586
UN63509	Rsa1.0.00473.1	395	212204	1.00E-156	366	393	93 -	3	391	20892	21284
UN63510	Rsa1.0.00033.1	483	515811	1.00E-124	260	270	96 +	3	272	130066	130334
UN63511	Rsa1.0.41277.1	601	544	1.00E-166	314	320	98 +	282	601	6	325
UN63512	Rsa1.0.11977.1	789	5355	2.33E-156	278	283	98 +	204	486	1629	1911
UN63513	#	#	#	#	#	#	#	#	#	#	#
UN63514	Rsa1.0.01819.1	725	38834	1.00E-112	264	280	94 +	1	278	26405	26681
UN63515	Rsa1.0.00657.1	468	69858	1.00E-143	320	334	95 -	1	332	9457	9787
UN63516	Rsa1.0.04646.1	673	16541	1.00E-123	323	356	90 -	12	362	2437	2777
UN63517	Rsa1.0.00527.1	648	77733	1.00E-135	288	301	95 +	3	302	29544	29844
UN63518	Rsa1.0.00255.1	369	204967	1.00E-155	354	376	94 +	2	369	22448	22821
UN63519	Rsa1.0.00387.1	125	495407	3.00E-55	121	125	96 -	1	125	410075	410199
UN63520	Rsa1.0.00863.1	728	254535	1.00E-70	243	275	88 -	437	704	110384	110656
UN63521	Rsa1.0.00211.1	261	228189	1.00E-49	159	177	89 +	1	174	144696	144865
UN63522	Rsa1.0.00067.1	446	415055	0	417	445	93 -	1	443	76906	77336
UN63523	Rsa1.0.00097.1	623	138858	1.00E-106	230	240	95 -	385	623	26354	26593
UN63524	Rsa1.0.00659.1	130	69733	3.00E-49	120	127	94 -	1	127	20753	20879
UN63525	Rsa1.0.01666.1	504	173972	1.00E-179	397	419	94 -	42	457	4179	4594
UN63526	Rsa1.0.00457.1	794	337301	0	549	594	92 +	7	585	317288	317875
UN63527	Rsa1.0.01228.1	532	50238	1.00E-129	319	343	93 +	3	337	1718	2051
UN63528	Rsa1.0.00635.1	505	175826	0	477	499	95 +	3	501	19400	19890
UN63529	Rsa1.0.00033.1	126	515811	7.00E-56	122	126	96 +	1	126	371704	371829

UN63530	Rsa1.0_03166.1	754	24863	1.00E-176	323	325	99 -	1	324	19446	19770
UN63531	Rsa1.0_04564.1	859	16837	1.00E-155	314	326	96 -	1	326	6054	6379
UN63532	Rsa1.0_03541.1	762	22194	0	616	630	97 -	1	627	10205	10832
UN63533	Rsa1.0_00059.1	636	159650	1.00E-112	271	290	93 +	5	288	123674	123957
UN63534	Rsa1.0_00108.1	675	478491	0	617	649	95 +	34	675	81003	81646
UN63535	Rsa1.0_32811.1	628	693	1.00E-165	362	381	95 -	3	381	3	370
UN63536	Rsa1.0_03188.1	526	24722	1.00E-132	282	295	95 -	1	294	6901	7195
UN63537	Rsa1.0_04751.1	767	16132	0	738	778	94 +	1	767	11440	12208
UN63538	Rsa1.0_05541.1	532	139959	1.00E-152	316	329	96 +	8	335	2779	3107
UN63539	Rsa1.0_02222.1	546	152798	0	489	516	94 +	1	513	121290	121802
UN63540	Rsa1.0_00152.1	482	257730	1.00E-117	343	386	88 -	108	482	118071	118447
UN63541	Rsa1.0_00069.1	559	403561	1.00E-110	231	241	95 +	1	235	148070	148310
UN63542	Rsa1.0_01435.1	528	45942	1.00E-107	248	265	93 -	74	338	28028	28292
UN63543	Rsa1.0_00270.1	252	101236	1.00E-117	244	253	96 -	1	252	40538	40790
UN63544	Rsa1.0_00484.1	712	203294	1.00E-138	329	354	92 +	11	350	135723	136074
UN63545	Rsa1.0_17851.1	555	1726	1.00E-174	440	483	91 -	1	465	1	482
UN63546	Rsa1.0_00517.1	517	142790	1.00E-167	348	365	95 -	3	367	113059	113423
UN63547	Rsa1.0_04747.1	593	16147	1.00E-103	355	403	88 +	74	461	8088	8480
UN63548	Rsa1.0_00098.1	751	349239	0	412	433	95 -	320	751	276261	276683
UN63549	Rsa1.0_02246.1	684	33435	0	468	482	97 -	26	504	24290	24771
UN63550	Rsa1.0_00409.1	189	146788	3.00E-87	178	183	97 -	7	189	12131	12313
UN63551	Rsa1.0_01137.1	337	52655	5.00E-59	135	140	96 -	2	141	4150	4288
UN63552	Rsa1.0_00965.1	760	58139	1.00E-103	226	237	95 -	3	238	9265	9494
UN63553	Rsa1.0_00978.1	700	57739	5.00E-98	227	238	95 -	2	237	36456	36692
UN63554	Rsa1.0_00054.1	810	162053	1.00E-122	235	238	98 +	574	810	121313	121550
UN63555	Rsa1.0_02407.1	646	31684	1.00E-79	163	167	97 -	178	344	27363	27529
UN63556	Rsa1.0_01663.1	726	168589	1.00E-169	337	346	97 +	1	346	145039	145382
UN63557	Rsa1.0_00226.1	650	105884	0	590	618	95 +	35	650	63959	64575
UN63558	Rsa1.0_00611.1	375	72410	9.00E-86	206	221	93 -	5	225	60760	60980
UN63559	Rsa1.0_00139.1	479	357786	2.00E-90	193	201	96 +	218	418	264610	264810
UN63560	Rsa1.0_02180.1	687	34176	0	550	560	98 -	128	687	9376	9935
UN63561	Rsa1.0_06911.1	462	10178	2.00E-68	174	188	92 +	15	202	1023	1205
UN63562	Rsa1.0_02672.1	464	28884	1.00E-161	425	464	91 -	5	464	26565	27013
UN63563	Rsa1.0_01046.1	842	152989	0	405	416	97 +	1	413	111378	111793
UN63564	Rsa1.0_27932.1	514	834	0	493	516	95 +	4	514	107	622
UN63565	Rsa1.0_04652.1	762	16515	1.00E-114	263	281	93 -	482	762	6873	7153
UN63566	Rsa1.0_02976.1	379	26315	1.00E-81	190	202	94 +	168	369	18615	18816
UN63567	Rsa1.0_05573.1	200	13290	4.00E-83	189	200	94 -	1	200	4205	4404
UN63568	Rsa1.0_01363.1	167	47195	4.00E-27	73	76	96 +	93	165	12	87

UN63569	Rsa1.0.00457.1	110	337301	8.00E-43	103	108	95 -	1	108	177424	177531
UN63570	Rsa1.0.02471.1	528	31104	1.00E-173	395	420	94 +	114	528	17537	17949
UN63571	Rsa1.0.00100.1	413	249232	1.00E-136	261	265	98 -	1	264	200843	201107
UN63572	Rsa1.0.05784.1	436	12643	1.00E-157	370	397	93 -	12	407	1645	2040
UN63573	Rsa1.0.03813.1	304	20708	6.00E-40	111	120	92 -	185	304	1315	1434
UN63574	Rsa1.0.01603.1	696	42468	0	651	692	94 -	19	696	8935	9622
UN63575	Rsa1.0.03762.1	824	20976	0	456	475	96 -	3	477	12667	13133
UN63576	Rsa1.0.01889.1	507	37562	2.00E-41	93	95	97 +	177	271	20763	20857
UN63577	Rsa1.0.00579.1	652	148308	4.00E-46	144	159	90 +	43	201	13902	14054
UN63578	Rsa1.0.03448.1	716	22844	0	422	434	97 +	1	432	18665	19093
UN63579	Rsa1.0.03860.1	701	20407	0	493	514	95 +	1	507	15804	16316
UN63580	Rsa1.0.04172.1	528	18679	1.00E-141	342	372	91 -	1	372	4778	5136
UN63581	Rsa1.0.00789.1	644	64233	1.00E-175	442	483	91 -	2	484	7946	8426
UN63582	Rsa1.0.19224.1	325	1461	1.00E-105	292	325	89 +	1	325	759	1083
UN63583	Rsa1.0.02105.1	180	156953	7.00E-57	155	168	92 +	1	168	149098	149264
UN63584	Rsa1.0.00863.1	582	254535	1.00E-165	361	383	94 -	1	383	213547	213929
UN63585	Rsa1.0.01154.1	538	52249	1.00E-115	232	239	97 -	246	484	2298	2536
UN63586	Rsa1.0.58370.1	258	392	8.00E-79	215	234	91 -	1	228	98	331
UN63587	Rsa1.0.00018.1	610	410899	1.00E-122	279	294	94 +	1	294	102832	103121
UN63588	Rsa1.0.00373.1	755	90296	0	660	684	96 -	3	685	28081	28763
UN63589	Rsa1.0.07315.1	786	9562	0	743	753	98 -	1	753	7008	7760
UN63590	Rsa1.0.00941.1	563	58891	8.00E-87	181	187	96 +	371	557	58119	58305
UN63591	Rsa1.0.00273.1	103	326186	5.00E-16	46	47	97 +	28	74	150985	151031
UN63592	Rsa1.0.00034.1	756	260119	7.00E-85	181	188	96 -	337	524	234874	235061
UN63593	Rsa1.0.00284.1	622	323267	0	585	625	93 +	1	622	143388	143998
UN63594	Rsa1.0.03175.1	814	24802	1.00E-140	360	400	90 -	3	401	22371	22748
UN63595	Rsa1.0.00001.1	185	363028	3.00E-93	182	185	98 -	1	185	40552	40736
UN63596	Rsa1.0.03027.1	749	25883	1.00E-105	214	220	97 +	121	337	22289	22508
UN63597	Rsa1.0.02872.1	362	27080	1.00E-166	349	365	95 +	2	362	11209	11573
UN63598	Rsa1.0.49554.1	533	458	0	382	396	96 +	1	394	57	450
UN63599	Rsa1.0.00575.1	278	74791	4.00E-90	246	271	90 +	15	278	69882	70152
UN63600	Rsa1.0.00773.1	689	64839	0	576	627	91 -	81	689	51289	51912
UN63601	Rsa1.0.01504.1	681	189978	0	417	443	94 +	5	442	168519	168956
UN63602	Rsa1.0.00937.1	453	59061	1.00E-180	374	391	95 +	63	452	53185	53575
UN63603	Rsa1.0.03650.1	629	21583	0	491	512	95 -	1	509	1368	1875
UN63604	Rsa1.0.00014.1	170	348985	2.00E-56	152	165	92 +	1	165	331568	331729
UN63605	Rsa1.0.02994.1	156	26168	4.00E-64	148	156	94 +	1	156	2160	2315
UN63606	Rsa1.0.03698.1	179	21302	2.00E-63	150	159	94 +	7	165	8098	8256
UN63607	Rsa1.0.00008.1	175	358124	1.00E-39	137	155	88 +	21	175	14855	15009

UN63608	Rsa1.0.06018.1	703	11923	8.00E-63	211	237	89 +	1	223	11028	11263
UN63609	Rsa1.0.02622.1	743	142402	1.00E-142	284	293	96 +	1	293	336	624
UN63610	Rsa1.0.22416.1	502	1123	1.00E-109	234	243	96 +	3	244	883	1123
UN63611	Rsa1.0.02105.1	255	156953	7.00E-61	219	250	87 -	1	250	151657	151898
UN63612	Rsa1.0.00124.1	802	262503	1.00E-110	308	336	91 +	1	323	170755	171085
UN63613	Rsa1.0.06092.1	486	11756	0	461	497	92 +	7	481	6208	6704
UN63614	Rsa1.0.13872.1	740	4176	3.00E-81	163	166	98 -	556	721	1574	1739
UN63615	Rsa1.0.05624.1	142	13140	4.00E-27	111	128	86 +	2	128	3802	3918
UN63616	Rsa1.0.00344.1	296	191774	1.00E-62	205	232	88 -	5	235	136306	136525
UN63617	Rsa1.0.18460.1	752	1595	3.00E-65	139	143	97 -	565	707	1263	1405
UN63618	Rsa1.0.00885.1	268	61088	1.00E-120	256	268	95 +	4	268	5900	6167
UN63619	Rsa1.0.01897.1	568	37499	0	367	372	98 +	2	370	4844	5215
UN63620	Rsa1.0.00224.1	207	327530	6.00E-73	186	201	92 -	6	203	86980	87180
UN63621	Rsa1.0.02682.1	416	28711	1.00E-164	390	419	93 +	1	416	9634	10051
UN63622	Rsa1.0.01864.1	469	37998	0	460	468	98 +	4	469	36857	37324
UN63623	Rsa1.0.03927.1	350	19997	1.00E-138	319	341	93 -	7	347	18527	18866
UN63624	Rsa1.0.02358.1	685	32213	1.00E-178	564	647	87 +	19	656	19749	20357
UN63625	Rsa1.0.04883.1	735	15603	0	615	654	94 +	1	650	10467	11109
UN63626	Rsa1.0.03122.1	823	25207	1.00E-155	331	344	96 +	7	344	16091	16434
UN63627	Rsa1.0.00216.1	836	197563	1.00E-111	318	350	90 +	8	349	11102	11441
UN63628	Rsa1.0.00459.1	450	82580	0	367	379	96 +	5	383	41122	41500
UN63629	Rsa1.0.01073.1	724	55030	0	709	740	95 +	1	724	33341	34080
UN63630	Rsa1.0.00112.1	377	132199	1.00E-110	247	262	94 +	116	377	84391	84652
UN63631	Rsa1.0.06713.1	356	10488	3.00E-67	145	150	96 -	74	223	1686	1835
UN63632	Rsa1.0.00598.1	105	73425	5.00E-41	100	105	95 +	1	105	67258	67362
UN63633	Rsa1.0.03304.1	709	23883	0	444	477	93 -	1	474	18857	19326
UN63634	Rsa1.0.01469.1	758	45139	3.00E-96	182	183	99 -	346	528	21454	21636
UN63635	Rsa1.0.03015.1	576	26006	1.00E-85	195	204	95 +	133	336	534	734
UN63636	Rsa1.0.03305.1	545	147552	1.00E-145	433	489	88 +	61	545	139222	139688
UN63637	Rsa1.0.26323.1	292	896	1.00E-93	268	295	90 -	1	292	392	682
UN63638	Rsa1.0.00218.1	852	201480	0	408	427	95 -	1	427	180348	180772
UN63639	Rsa1.0.00289.1	722	98620	1.00E-132	320	345	92 +	1	345	25668	26003
UN63640	Rsa1.0.01382.1	358	46877	1.00E-143	327	350	93 -	13	358	13944	14293
UN63641	Rsa1.0.00721.1	120	66918	2.00E-34	112	122	91 -	1	120	59552	59673
UN63642	Rsa1.0.00044.1	303	271658	1.00E-133	296	311	95 +	2	303	68747	69056
UN63643	Rsa1.0.00332.1	762	94575	0	533	562	94 -	2	560	37309	37864
UN63644	Rsa1.0.00002.1	351	601661	1.00E-154	335	351	95 +	2	351	436582	436929
UN63645	Rsa1.0.00255.1	471	204967	1.00E-158	380	411	92 +	68	471	22419	22821
UN63646	Rsa1.0.01536.1	339	43747	6.00E-71	209	232	90 +	108	339	18915	19145

UN63647	Rsa1.0_42756.1	261	525	1.00E-104	237	249	95 +	6	248	257	505
UN63648	Rsa1.0_02085.1	797	35198	0	726	766	94 -	1	759	28444	29206
UN63649	Rsa1.0_17020.1	380	1951	1.00E-125	299	323	92 +	11	333	1550	1872
UN63650	Rsa1.0_00251.1	515	303968	5.00E-57	239	279	85 -	9	259	127337	127614
UN63651	Rsa1.0_00017.1	269	752458	1.00E-116	258	271	95 +	1	269	398428	398697
UN63652	Rsa1.0_00329.1	868	222544	1.00E-134	577	688	83 +	166	851	10954	11629
UN63653	Rsa1.0_00543.1	135	76788	1.00E-45	126	133	94 -	1	132	15694	15824
UN63654	Rsa1.0_00067.1	685	415055	1.00E-149	342	364	93 +	322	685	151957	152313
UN63655	Rsa1.0_00108.1	388	478491	1.00E-152	344	365	94 -	1	363	12518	12873
UN63656	Rsa1.0_00176.1	321	240984	1.00E-115	244	255	95 +	43	297	9869	10123
UN63657	Rsa1.0_00316.1	142	96264	1.00E-36	96	102	94 +	41	142	85735	85836
UN63658	Rsa1.0_00681.1	199	68779	4.00E-74	183	196	93 +	1	194	42498	42693
UN63659	Rsa1.0_03041.1	580	25804	0	552	560	98 -	2	559	5441	6000
UN63660	Rsa1.0_03668.1	501	21483	0	416	432	96 -	1	429	11438	11869
UN63661	Rsa1.0_04374.1	472	17670	0	444	472	94 -	1	472	16677	17133
UN63662	Rsa1.0_47151.1	534	479	0	470	486	96 +	12	496	1	479
UN63663	Rsa1.0_00932.1	453	59185	1.00E-160	320	330	96 +	1	330	1234	1562
UN63664	Rsa1.0_01901.1	458	37472	1.00E-180	423	460	91 -	1	458	20269	20707
UN63665	Rsa1.0_21904.1	752	1164	2.00E-63	127	128	99 +	544	671	11	138
UN63666	Rsa1.0_09211.1	695	6556	1.00E-166	297	297	100 +	202	498	2282	2578
UN63667	Rsa1.0_00662.1	172	192183	2.00E-54	156	172	90 -	1	172	2245	2416
UN63668	Rsa1.0_52728.1	663	432	1.00E-150	306	318	96 +	195	512	6	323
UN63669	Rsa1.0_12103.1	285	5314	3.00E-32	193	231	83 +	71	285	29	253
UN63670	Rsa1.0_00093.1	131	214962	4.00E-48	127	135	94 -	1	131	81533	81667
UN63671	Rsa1.0_74778.1	542	307	1.00E-151	298	307	97 +	99	405	1	307
UN63672	Rsa1.0_00320.1	497	95784	1.00E-105	267	289	92 -	1	271	60213	60501
UN63673	Rsa1.0_03935.1	495	19983	1.00E-128	256	264	96 +	71	334	7878	8141
UN63674	Rsa1.0_00722.1	606	66840	1.00E-141	299	312	95 -	1	312	41773	42081
UN63675	Rsa1.0_09169.1	464	6589	2.00E-87	207	218	94 +	241	457	4958	5171
UN63676	Rsa1.0_01818.1	665	38837	0	442	449	98 +	16	462	7177	7625
UN63677	Rsa1.0_04395.1	667	17570	0	644	679	94 +	1	667	6933	7610
UN63678	Rsa1.0_00414.1	398	202190	0	382	403	94 +	9	398	180870	181271
UN63679	Rsa1.0_00516.1	745	78417	8.00E-97	186	188	98 +	1	188	11598	11785
UN63680	Rsa1.0_00068.1	731	151813	0	702	730	96 +	5	731	37005	37732
UN63681	Rsa1.0_03001.1	602	26108	0	594	602	98 -	1	602	13150	13751
UN63682	Rsa1.0_00827.1	110	62790	2.00E-46	106	110	96 +	1	110	21627	21736
UN63683	Rsa1.0_01394.1	413	46641	1.00E-161	383	412	92 +	2	413	21720	22129
UN63684	Rsa1.0_00251.1	583	303968	1.00E-162	444	494	89 +	1	469	114389	114876
UN63685	Rsa1.0_01806.1	199	39021	5.00E-67	156	165	94 -	31	195	35582	35746

UN63686	Rsa1.0.00051.1	847	258225	0	820	852	96 +	3	847	119344	120190
UN63687	Rsa1.0.00440.1	700	84723	1.00E-125	264	273	96 -	4	276	68557	68824
UN63688	Rsa1.0.01158.1	757	52121	1.00E-154	634	749	84 -	1	749	7194	7935
UN63689	Rsa1.0.00218.1	736	201480	1.00E-149	405	443	91 +	4	434	25525	25957
UN63690	Rsa1.0.38361.1	729	587	0	424	437	97 +	42	478	1	437
UN63691	Rsa1.0.03875.1	702	20355	0	415	427	97 -	3	427	18863	19289
UN63692	Rsa1.0.00556.1	798	207212	0	591	611	96 +	3	612	27003	27609
UN63693	Rsa1.0.20682.1	206	1280	5.00E-89	198	206	96 -	1	206	874	1077
UN63694	Rsa1.0.04166.1	158	18757	9.00E-22	68	73	93 -	86	158	13069	13141
UN63695	Rsa1.0.00658.1	770	69740	0	754	757	99 -	14	770	58763	59519
UN63696	Rsa1.0.00333.1	728	94500	0	491	518	94 -	1	517	69149	69665
UN63697	Rsa1.0.00490.1	671	186713	1.00E-138	279	289	96 -	207	495	39542	39830
UN63698	Rsa1.0.00172.1	833	115476	0	735	778	94 -	57	833	24255	25028
UN63699	Rsa1.0.05239.1	360	14410	5.00E-87	251	278	90 +	1	269	11859	12132
UN63700	Rsa1.0.01228.1	468	50238	1.00E-109	247	260	95 -	64	321	733	992
UN63701	Rsa1.0.14663.1	707	3175	1.00E-76	363	432	84 -	28	457	1859	2282
UN63702	Rsa1.0.10792.1	671	5719	4.00E-95	180	181	99 +	314	494	1786	1966
UN63703	Rsa1.0.02690.1	540	28629	1.00E-104	238	252	94 -	1	251	17941	18192
UN63704	Rsa1.0.01111.1	577	53669	1.00E-154	342	360	95 +	1	356	39889	40244
UN63705	Rsa1.0.00207.1	690	248736	1.00E-115	282	301	93 -	1	299	204456	204753
UN63706	Rsa1.0.00012.1	697	222148	1.00E-149	368	395	93 +	2	390	51663	52057
UN63707	Rsa1.0.00700.1	693	67699	0	682	694	98 -	1	693	48345	49038
UN63708	Rsa1.0.01453.1	773	45449	4.00E-74	259	291	89 +	6	286	13301	13582
UN63709	Rsa1.0.02917.1	275	159058	1.00E-127	264	275	96 +	1	275	144210	144484
UN63710	Rsa1.0.00065.1	718	454616	0	454	463	98 +	120	579	125181	125642
UN63711	Rsa1.0.11375.1	514	5528	1.00E-148	366	402	91 +	6	407	4753	5136
UN63712	Rsa1.0.00716.1	421	67078	1.00E-157	336	354	94 -	68	421	36406	36751
UN63713	Rsa1.0.00577.1	602	174827	0	576	601	95 +	2	602	29494	30087
UN63714	Rsa1.0.00183.1	491	113277	0	476	503	94 +	1	491	96718	97215
UN63715	Rsa1.0.00272.1	120	447836	1.00E-26	70	73	95 -	48	120	218967	219039
UN63716	Rsa1.0.04438.1	582	17361	1.00E-109	284	309	91 +	2	306	14917	15213
UN63717	Rsa1.0.04426.1	486	17399	3.00E-58	127	131	96 +	8	138	13150	13280
UN63718	Rsa1.0.00104.1	609	368722	0	577	631	91 -	1	609	201234	201854
UN63719	Rsa1.0.04181.1	128	18615	8.00E-31	86	92	93 -	1	92	1739	1830
UN63720	Rsa1.0.01173.1	426	51727	1.00E-140	314	332	94 -	2	333	1555	1884
UN63721	Rsa1.0.01578.1	758	42880	4.00E-74	142	142	100 -	615	756	29757	29898
UN63722	Rsa1.0.00055.1	526	520193	0	493	512	96 +	15	526	289812	290323
UN63723	Rsa1.0.01546.1	101	43586	2.00E-43	98	101	97 +	1	101	34011	34111
UN63724	Rsa1.0.00660.1	663	69688	1.00E-122	306	331	92 +	15	344	3599	3928

UN63725	Rsa1.0.26999.1	647	870	1.00E-124	236	238	99 -	101	338	154	390
UN63726	Rsa1.0.07983.1	659	8131	0	582	657	88 +	7	657	3732	4374
UN63727	Rsa1.0.00860.1	171	61789	2.00E-75	161	167	96 +	3	169	6690	6856
UN63728	Rsa1.0.00793.1	604	64103	1.00E-73	203	222	91 +	1	217	13051	13272
UN63729	Rsa1.0.00198.1	654	222963	0	620	654	94 -	1	651	164631	165271
UN63730	Rsa1.0.03997.1	706	19652	0	665	712	93 +	1	705	10404	11092
UN63731	Rsa1.0.00226.1	202	105884	9.00E-72	179	193	92 +	6	198	97478	97670
UN63732	Rsa1.0.01322.1	711	48166	5.00E-98	342	394	86 +	33	412	9692	10058
UN63733	Rsa1.0.00083.1	701	442773	1.00E-135	308	329	93 +	208	536	137729	138057
UN63734	Rsa1.0.02228.1	116	33688	1.00E-38	90	93	96 +	1	93	10462	10554
UN63735	Rsa1.0.03985.1	333	19704	1.00E-159	327	342	95 -	1	333	15806	16144
UN63736	Rsa1.0.00048.1	491	167185	1.00E-111	252	268	94 +	141	408	77879	78146
UN63737	Rsa1.0.00091.1	186	139699	4.00E-58	172	189	91 -	1	183	80410	80596
UN63738	Rsa1.0.00933.1	650	59164	1.00E-125	273	285	95 -	1	281	2856	3139
UN63739	#	#	#	#	#	#	#	#	#	#	#
UN63740	Rsa1.0.00059.1	593	159650	0	576	596	96 +	1	593	38597	39192
UN63741	Rsa1.0.00180.1	312	114581	1.00E-134	295	312	94 -	1	312	111416	111724
UN63742	Rsa1.0.00964.1	431	316648	1.00E-180	410	438	93 +	1	431	304617	305052
UN63743	Rsa1.0.00790.1	727	148693	1.00E-145	282	289	97 +	435	723	57272	57560
UN63744	Rsa1.0.00001.1	301	363028	1.00E-101	262	287	91 -	3	286	241164	241444
UN63745	Rsa1.0.03133.1	649	25135	1.00E-175	351	364	96 -	286	649	11868	12231
UN63746	Rsa1.0.02126.1	681	34765	0	647	689	93 +	5	677	10088	10765
UN63747	Rsa1.0.00044.1	528	271658	1.00E-137	332	361	91 -	3	358	6694	7047
UN63748	Rsa1.0.00190.1	579	318240	0	381	389	97 -	3	391	20540	20928
UN63749	Rsa1.0.00017.1	683	752458	0	620	663	93 -	33	677	335525	336177
UN63750	Rsa1.0.04470.1	598	17204	1.00E-132	308	327	94 -	3	327	4465	4785
UN63751	Rsa1.0.15623.1	461	2515	1.00E-174	327	333	98 -	129	461	307	639
UN63752	Rsa1.0.00029.1	625	272992	4.00E-83	281	320	87 -	303	621	209176	209483
UN63753	Rsa1.0.04470.1	629	17204	0	598	625	95 -	2	626	11977	12601
UN63754	Rsa1.0.00145.1	649	261008	5.00E-36	182	220	82 -	4	195	34764	34981
UN63755	Rsa1.0.00153.1	506	192931	0	482	507	95 -	3	506	140209	140708
UN63756	Rsa1.0.08706.1	368	7018	2.00E-98	203	210	96 +	1	210	5281	5490
UN63757	Rsa1.0.00507.1	578	79074	9.00E-90	189	196	96 +	211	406	18947	19142
UN63758	Rsa1.0.00145.1	317	261008	1.00E-145	303	317	95 -	1	317	244542	244858
UN63759	Rsa1.0.73885.1	180	310	2.00E-57	173	195	88 +	1	179	42	236
UN63760	Rsa1.0.01198.1	423	51029	0	396	420	94 +	1	420	43904	44312
UN63761	Rsa1.0.02651.1	552	29046	5.00E-82	155	155	100 -	3	157	22784	22938
UN63762	Rsa1.0.02257.1	629	33318	1.00E-73	147	149	98 +	129	277	20288	20436
UN63763	Rsa1.0.00962.1	438	184909	0	419	442	94 -	1	438	41562	42002

UN63764	Rsa1.0.00690.1	161	140527	2.00E-60	153	162	94 -	1	161	11255	11415
UN63765	Rsa1.0.02749.1	567	28241	1.00E-129	285	302	94 -	231	532	3067	3368
UN63766	Rsa1.0.00571.1	542	329018	1.00E-164	328	337	97 -	1	337	145933	146267
UN63767	Rsa1.0.05441.1	643	13742	1.00E-110	202	202	100 -	304	505	10714	10915
UN63768	Rsa1.0.00484.1	712	203294	0	523	531	98 +	2	532	199236	199766
UN63769	Rsa1.0.00083.1	372	442773	1.00E-129	339	373	90 -	1	372	320140	320501
UN63770	Rsa1.0.06088.1	465	11767	1.00E-147	289	296	97 +	1	296	11087	11381
UN63771	Rsa1.0.01877.1	374	37789	1.00E-106	213	219	97 -	1	219	34868	35086
UN63772	Rsa1.0.01183.1	191	51465	4.00E-43	162	188	86 -	5	188	46711	46887
UN63773	Rsa1.0.00871.1	369	61539	1.00E-163	334	347	96 +	12	357	14139	14485
UN63774	Rsa1.0.07596.1	642	9056	0	528	557	94 -	11	566	4498	5046
UN63775	Rsa1.0.01679.1	260	146876	1.00E-104	248	267	92 +	1	260	119034	119296
UN63776	Rsa1.0.01663.1	612	168589	0	595	614	96 +	1	612	167613	168226
UN63777	Rsa1.0.00122.1	651	265937	0	588	641	91 +	17	651	107105	107730
UN63778	Rsa1.0.00067.1	509	415055	1.00E-42	112	117	95 +	113	228	69802	69917
UN63779	Rsa1.0.05622.1	208	13145	4.00E-77	196	209	93 -	1	208	3804	4009
UN63780	Rsa1.0.00088.1	457	141341	1.00E-165	370	393	94 -	32	421	62412	62799
UN63781	Rsa1.0.00851.1	625	62181	1.00E-109	289	316	91 -	15	327	12047	12362
UN63782	Rsa1.0.09349.1	305	6433	1.00E-130	273	285	95 -	24	305	5152	5436
UN63783	Rsa1.0.08532.1	572	7228	2.00E-84	207	222	93 -	1	220	4225	4446
UN63784	Rsa1.0.01371.1	669	47079	0	451	458	98 +	212	669	42892	43349
UN63785	Rsa1.0.00644.1	603	136881	6.00E-97	195	199	97 +	217	413	62879	63077
UN63786	Rsa1.0.02820.1	441	27629	0	427	445	95 +	1	441	19433	19875
UN63787	Rsa1.0.05352.1	385	14079	1.00E-158	354	377	93 -	15	383	2395	2771
UN63788	#	#	#	#	#	#	#	#	#	#	#
UN63789	Rsa1.0.00451.1	415	322533	1.00E-75	200	219	91 +	5	223	21659	21866
UN63790	Rsa1.0.05271.1	323	14306	1.00E-114	300	325	92 -	1	323	10335	10653
UN63791	Rsa1.0.01926.1	510	37206	1.00E-136	302	319	94 -	2	317	6451	6763
UN63792	Rsa1.0.14660.1	367	3181	9.00E-89	213	224	95 -	1	222	2019	2238
UN63793	Rsa1.0.00205.1	394	193401	4.00E-91	189	194	97 +	12	204	130152	130345
UN63794	Rsa1.0.13775.1	708	4349	0	683	718	95 +	3	708	1532	2249
UN63795	Rsa1.0.00313.1	420	96745	1.00E-137	317	336	94 -	1	336	79688	80020
UN63796	Rsa1.0.02606.1	505	29635	1.00E-180	418	448	93 +	1	442	17605	18052
UN63797	Rsa1.0.00044.1	748	271658	0	481	506	95 +	3	505	157760	158261
UN63798	Rsa1.0.05595.1	190	13228	4.00E-55	170	190	89 +	1	190	3250	3435
UN63799	Rsa1.0.01570.1	685	43015	1.00E-102	295	331	89 +	3	315	10798	11124
UN63800	Rsa1.0.00391.1	675	183853	0	634	657	96 +	25	675	60038	60693
UN63801	Rsa1.0.00363.1	606	90968	0	384	398	96 +	2	396	75560	75957
UN63802	Rsa1.0.07190.1	111	9757	6.00E-25	95	106	89 +	7	111	2864	2969

UN63803	Rsa1.0.00978.1	142	57739	1.00E-54	117	120	97 -	1	120	42694	42813
UN63804	Rsa1.0.07848.1	645	8429	0	416	426	97 +	1	426	2381	2806
UN63805	Rsa1.0.08311.1	104	7564	6.00E-25	82	89	92 +	16	104	7163	7249
UN63806	Rsa1.0.00050.1	279	237174	3.00E-69	175	189	92 +	91	279	188957	189140
UN63807	Rsa1.0.00861.1	484	61759	1.00E-26	154	178	86 -	1	174	52330	52506
UN63808	Rsa1.0.02969.1	368	26390	1.00E-78	183	193	94 -	160	351	13425	13617
UN63809	Rsa1.0.00058.1	536	159921	1.00E-109	281	305	92 -	1	291	93528	93830
UN63810	Rsa1.0.05510.1	412	13470	1.00E-157	329	343	95 +	5	347	1556	1895
UN63811	Rsa1.0.02889.1	286	27019	1.00E-138	272	280	97 +	7	286	7808	8087
UN63812	Rsa1.0.04538.1	146	16940	8.00E-50	135	144	93 -	1	144	7099	7240
UN63813	Rsa1.0.38116.1	546	591	1.00E-153	356	387	91 +	176	546	121	502
UN63814	Rsa1.0.04991.1	598	15215	1.00E-132	360	406	88 +	7	393	1	398
UN63815	Rsa1.0.02373.1	554	32048	0	429	444	96 -	3	442	18304	18747
UN63816	Rsa1.0.53223.1	371	428	1.00E-140	316	334	94 -	2	331	1	333
UN63817	Rsa1.0.00114.1	160	131330	5.00E-39	134	150	89 +	5	153	29610	29759
UN63818	Rsa1.0.03940.1	236	19962	8.00E-45	155	179	86 -	8	172	1607	1785
UN63819	Rsa1.0.05162.1	536	14631	7.00E-81	210	226	92 -	3	222	4187	4412
UN63820	Rsa1.0.02872.1	145	27080	5.00E-11	56	63	88 +	77	139	9263	9325
UN63821	Rsa1.0.00476.1	520	280966	0	492	507	97 -	3	509	145911	146414
UN63822	Rsa1.0.00501.1	617	79545	1.00E-178	395	420	94 -	22	438	20925	21341
UN63823	Rsa1.0.00093.1	400	214962	4.00E-57	119	121	98 -	280	400	134249	134369
UN63824	Rsa1.0.03422.1	576	23076	1.00E-169	501	566	88 -	3	552	6783	7324
UN63825	Rsa1.0.00006.1	599	396176	1.00E-156	334	353	94 +	2	354	100738	101082
UN63826	Rsa1.0.00017.1	356	752458	1.00E-84	308	356	86 -	1	352	416672	417021
UN63827	Rsa1.0.01491.1	631	44718	1.00E-175	329	334	98 +	1	334	18422	18752
UN63828	Rsa1.0.02896.1	569	26970	1.00E-134	292	307	95 -	265	569	12708	13011
UN63829	Rsa1.0.02396.1	513	31783	1.00E-113	249	262	95 -	1	260	27111	27372
UN63830	Rsa1.0.00779.1	609	64568	0	566	598	94 +	13	609	50957	51554
UN63831	Rsa1.0.01270.1	409	49574	5.00E-78	168	174	96 +	62	235	15673	15843
UN63832	Rsa1.0.00441.1	485	84607	0	428	447	95 +	1	444	9463	9908
UN63833	Rsa1.0.07766.1	122	8612	2.00E-47	114	120	95 -	1	120	8117	8236
UN63834	Rsa1.0.00938.1	330	193891	1.00E-125	307	331	92 -	2	326	188390	188719
UN63835	Rsa1.0.02719.1	751	28428	0	663	673	98 -	3	675	9837	10509
UN63836	Rsa1.0.13888.1	512	4146	0	462	500	92 +	16	512	1773	2266
UN63837	Rsa1.0.00579.1	442	148308	1.00E-154	349	374	93 +	46	406	63839	64208
UN63838	Rsa1.0.02406.1	429	145276	1.00E-167	370	394	93 +	36	429	15094	15478
UN63839	Rsa1.0.00882.1	634	61249	1.00E-153	411	460	89 -	1	431	15542	15999
UN63840	Rsa1.0.02113.1	337	34890	1.00E-157	323	337	95 -	1	337	23174	23510
UN63841	Rsa1.0.04022.1	757	19534	1.00E-114	240	249	96 -	3	251	6267	6514

UN63842	Rsa1.0_00224.1	167	327530	1.00E-39	126	139	90 +	26	163	222206	222344
UN63843	Rsa1.0_05874.1	503	12351	0	484	507	95 +	1	499	9255	9759
UN63844	Rsa1.0_01011.1	372	56883	1.00E-179	357	370	96 -	1	370	22446	22815
UN63845	Rsa1.0_00079.1	350	606987	1.00E-84	172	175	98 +	5	178	40470	40644
UN63846	Rsa1.0_00269.1	580	341668	1.00E-167	328	339	96 -	1	339	190625	190956
UN63847	Rsa1.0_01104.1	640	285480	0	608	644	94 +	1	640	263893	264536
UN63848	Rsa1.0_00990.1	646	57445	1.00E-101	196	199	98 +	448	646	42432	42630
UN63849	Rsa1.0_01370.1	601	47093	1.00E-140	504	584	86 -	15	598	32764	33344
UN63850	Rsa1.0_20750.1	139	1273	7.00E-41	120	129	93 -	4	131	931	1058
UN63851	Rsa1.0_00140.1	192	121541	1.00E-30	104	116	89 -	73	188	22180	22295
UN63852	#	#	#	#	#	#	#	#	#	#	#
UN63853	Rsa1.0_00105.1	382	134138	1.00E-129	360	393	91 -	3	382	61527	61914
UN63854	Rsa1.0_14746.1	329	3110	1.00E-72	221	251	88 -	1	247	1379	1610
UN63855	Rsa1.0_00558.1	322	75819	1.00E-135	304	322	94 +	1	322	52735	53052
UN63856	Rsa1.0_00171.1	241	115622	6.00E-55	136	145	93 -	93	237	41948	42092
UN63857	Rsa1.0_00471.1	241	81897	1.00E-80	176	183	96 +	59	241	106	286
UN63858	Rsa1.0_02319.1	512	32580	2.00E-62	177	196	90 -	41	225	17290	17484
UN63859	Rsa1.0_00180.1	499	114581	0	476	505	94 +	2	499	8164	8663
UN63860	Rsa1.0_00339.1	563	222974	1.00E-152	293	300	97 -	264	563	4836	5135
UN63861	Rsa1.0_01077.1	350	54772	1.00E-161	319	331	96 +	1	331	27219	27540
UN63862	Rsa1.0_02924.1	149	26736	6.00E-60	141	149	94 -	1	149	8992	9140
UN63863	Rsa1.0_00299.1	716	97770	0	697	719	96 +	1	716	43280	43995
UN63864	Rsa1.0_02124.1	432	34780	0	415	432	96 +	2	432	4385	4816
UN63865	Rsa1.0_00417.1	774	395068	0	487	515	94 -	12	526	235258	235769
UN63866	Rsa1.0_01749.1	343	39822	1.00E-179	339	345	98 -	1	343	34028	34372
UN63867	Rsa1.0_00351.1	620	413096	1.00E-131	318	342	92 +	1	330	244486	244827
UN63868	Rsa1.0_00970.1	789	57994	1.00E-125	258	268	96 +	13	280	23531	23798
UN63869	Rsa1.0_00382.1	354	251946	1.00E-129	324	354	91 +	1	354	108638	108991
UN63870	Rsa1.0_07005.1	268	10044	1.00E-107	200	201	99 +	1	201	4144	4344
UN63871	Rsa1.0_00733.1	276	66583	1.00E-126	269	279	96 -	1	276	47739	48015
UN63872	Rsa1.0_00645.1	454	189716	0	372	385	96 -	70	454	34471	34855
UN63873	Rsa1.0_00980.1	517	57729	4.00E-27	72	75	96 +	317	391	27094	27168
UN63874	Rsa1.0_00008.1	438	358124	0	409	433	94 -	4	435	278349	278780
UN63875	Rsa1.0_00053.1	666	263459	1.00E-101	240	255	94 -	4	258	34020	34271
UN63876	Rsa1.0_00229.1	308	105471	1.00E-131	288	305	94 -	1	305	43413	43717
UN63877	Rsa1.0_02811.1	717	27669	0	479	496	96 -	3	498	26244	26733
UN63878	Rsa1.0_00021.1	671	263655	0	641	683	93 -	3	671	186321	186999
UN63879	Rsa1.0_00351.1	351	413096	1.00E-139	327	350	93 -	17	351	267285	267632
UN63880	Rsa1.0_00284.1	705	323267	0	663	711	93 -	1	702	296860	297558

UN63881	Rsa1.0_00235.1	815	154696	1.00E-111	216	220	98 -	121	340	143455	143674
UN63882	Rsa1.0_00278.1	752	231896	0	742	755	98 +	1	752	17109	17862
UN63883	Rsa1.0_02346.1	561	32337	1.00E-178	429	463	92 -	2	461	3519	3970
UN63884	Rsa1.0_00064.1	608	240927	0	528	550	96 -	2	551	2395	2934
UN63885	Rsa1.0_01973.1	476	36598	0	448	475	94 +	3	476	29322	29786
UN63886	Rsa1.0_00203.1	525	109129	2.00E-84	202	211	95 -	47	253	23222	23432
UN63887	Rsa1.0_00272.1	141	447836	1.00E-57	128	132	96 -	7	138	84036	84165
UN63888	Rsa1.0_00185.1	576	248445	1.00E-159	336	352	95 -	1	350	4407	4758
UN63889	Rsa1.0_00237.1	764	235974	3.00E-87	245	263	93 +	1	259	545	803
UN63890	Rsa1.0_01140.1	536	52586	1.00E-168	336	347	96 -	191	536	4780	5126
UN63891	Rsa1.0_18670.1	209	1555	1.00E-71	176	187	94 -	26	209	872	1057
UN63892	Rsa1.0_00176.1	773	240984	0	479	507	94 +	3	499	150879	151385
UN63893	Rsa1.0_00707.1	733	190112	0	687	735	93 +	4	733	52225	52941
UN63894	Rsa1.0_00960.1	200	58199	6.00E-79	180	189	95 -	9	196	14271	14459
UN63895	Rsa1.0_00059.1	724	159650	0	521	550	94 +	6	550	136197	136741
UN63896	Rsa1.0_06030.1	386	11889	0	373	386	96 -	1	386	10952	11334
UN63897	Rsa1.0_00911.1	672	59943	1.00E-171	352	368	95 -	140	507	42158	42525
UN63898	Rsa1.0_00745.1	736	66067	0	472	504	93 -	11	512	52944	53435
UN63899	Rsa1.0_00219.1	712	106983	2.00E-82	175	180	97 -	1	179	45690	45869
UN63900	Rsa1.0_01945.1	669	36989	0	637	672	94 -	4	669	26472	27132
UN63901	Rsa1.0_00191.1	778	316976	1.00E-160	334	346	96 +	45	386	258038	258383
UN63902	Rsa1.0_00739.1	223	66155	1.00E-77	204	219	93 +	5	223	52032	52247
UN63903	Rsa1.0_26197.1	796	902	1.00E-144	259	259	100 +	452	710	216	474
UN63904	Rsa1.0_02428.1	740	31542	6.00E-79	251	285	88 +	1	275	15732	16005
UN63905	Rsa1.0_39229.1	726	573	1.00E-136	273	278	98 -	23	298	57	333
UN63906	Rsa1.0_04223.1	726	18407	0	686	730	93 +	2	726	6564	7286
UN63907	Rsa1.0_00806.1	780	63674	1.00E-177	341	350	97 -	398	747	20246	20595
UN63908	Rsa1.0_02694.1	791	28610	3.00E-47	186	213	87 +	194	404	19381	19593
UN63909	Rsa1.0_02503.1	746	30709	0	378	383	98 -	3	385	10335	10717
UN63910	Rsa1.0_01248.1	572	154103	4.00E-95	222	237	93 -	3	239	43313	43549
UN63911	Rsa1.0_61380.1	772	373	1.00E-128	249	253	98 -	68	320	122	373
UN63912	Rsa1.0_01526.1	860	43919	0	345	352	98 +	1	352	22336	22685
UN63913	Rsa1.0_00326.1	173	171955	8.00E-38	96	100	96 +	1	99	61827	61926
UN63914	Rsa1.0_00951.1	781	164588	0	732	761	96 -	3	763	7896	8650
UN63915	Rsa1.0_04026.1	290	19508	2.00E-73	255	289	88 -	5	287	11005	11292
UN63916	Rsa1.0_00141.1	779	121494	1.00E-125	230	231	99 +	4	234	29593	29823
UN63917	Rsa1.0_00837.1	883	62568	1.00E-113	258	273	94 +	102	371	54585	54856
UN63918	Rsa1.0_01869.1	278	37928	1.00E-114	265	282	93 +	1	278	329	609
UN63919	Rsa1.0_00456.1	649	82826	0	511	545	93 -	27	556	18300	18840

UN63920	Rsa1.0.00111.1	544	390088	0	509	532	95 +	17	544	383660	384188
UN63921	Rsa1.0.02343.1	909	32374	1.00E-65	149	156	95 -	1	156	20323	20478
UN63922	Rsa1.0.01090.1	736	54385	0	695	729	95 -	3	722	28191	28918
UN63923	Rsa1.0.01266.1	705	49680	1.00E-89	192	200	96 +	461	660	1534	1733
UN63924	Rsa1.0.01598.1	759	42553	1.00E-110	273	296	92 -	446	737	40499	40794
UN63925	Rsa1.0.05701.1	723	12884	0	661	729	90 +	2	723	9929	10644
UN63926	Rsa1.0.02280.1	183	33063	4.00E-80	169	175	96 -	9	183	765	939
UN63927	Rsa1.0.01792.1	144	39227	2.00E-56	135	143	94 +	2	144	25569	25711
UN63928	Rsa1.0.01005.1	583	56967	0	551	586	94 +	1	583	5010	5588
UN63929	Rsa1.0.01244.1	300	50061	7.00E-92	274	303	90 +	4	300	4618	4917
UN63930	Rsa1.0.00352.1	705	92266	3.00E-34	126	143	88 +	168	310	75970	76112
UN63931	Rsa1.0.00653.1	781	70029	0	453	465	97 +	2	466	37063	37527
UN63932	Rsa1.0.01419.1	280	167402	1.00E-101	260	282	92 -	1	280	132049	132329
UN63933	Rsa1.0.00239.1	526	104332	1.00E-122	243	250	97 -	277	526	28477	28726
UN63934	Rsa1.0.00113.1	628	131574	1.00E-164	364	384	94 -	1	381	72534	72916
UN63935	Rsa1.0.00044.1	704	271658	0	476	490	97 -	215	704	261621	262107
UN63936	Rsa1.0.00153.1	574	192931	0	507	525	96 +	3	523	124381	124905
UN63937	Rsa1.0.00413.1	663	86921	0	645	670	96 -	1	663	4637	5306
UN63938	Rsa1.0.04375.1	664	141717	0	364	377	96 +	44	420	15761	16134
UN63939	Rsa1.0.00729.1	659	66690	0	512	529	96 -	1	529	56649	57177
UN63940	Rsa1.0.14532.1	649	3293	3.00E-59	210	244	86 +	413	647	30	258
UN63941	Rsa1.0.02348.1	629	32316	0	581	633	91 -	1	629	23424	24051
UN63942	Rsa1.0.01721.1	465	40345	1.00E-121	243	249	97 +	1	249	5778	6025
UN63943	Rsa1.0.00695.1	706	68019	1.00E-100	268	295	90 +	412	706	894	1185
UN63944	Rsa1.0.00028.1	728	293984	0	639	680	93 +	22	685	71204	71878
UN63945	Rsa1.0.01110.1	661	195852	0	501	517	96 +	1	509	36509	37025
UN63946	Rsa1.0.04493.1	773	17137	6.00E-67	179	194	92 -	1	190	4233	4419
UN63947	Rsa1.0.00301.1	807	365315	0	442	446	99 +	1	446	297547	297992
UN63948	Rsa1.0.00041.1	597	186197	0	401	424	94 +	1	423	151557	151979
UN63949	Rsa1.0.00664.1	726	69573	0	372	381	97 +	1	380	41355	41735
UN63950	Rsa1.0.02374.1	715	32043	1.00E-92	257	281	91 +	35	311	25715	25991
UN63951	Rsa1.0.00585.1	560	74164	0	502	558	89 -	3	539	40197	40754
UN63952	Rsa1.0.00177.1	478	143394	3.00E-80	381	450	84 +	29	474	86910	87355
UN63953	Rsa1.0.00670.1	506	69371	1.00E-167	347	361	96 +	5	363	35186	35545
UN63954	Rsa1.0.00081.1	189	143261	3.00E-84	180	186	96 +	1	186	140622	140806
UN63955	Rsa1.0.02313.1	694	32653	1.00E-144	409	462	88 -	3	440	6788	7234
UN63956	Rsa1.0.11462.1	612	5500	0	581	623	93 -	2	612	2631	3253
UN63957	Rsa1.0.00287.1	541	98687	0	436	446	97 -	1	445	30929	31374
UN63958	Rsa1.0.11977.1	559	5355	2.00E-75	147	148	99 -	171	318	3438	3585

UN63959	Rsa1.0.01659.1	325	164577	1.00E-127	281	294	95 -	25	314	154596	154889
UN63960	Rsa1.0.01521.1	583	142147	0	520	539	96 +	3	540	99001	99533
UN63961	Rsa1.0.00032.1	471	306326	0	450	479	93 -	7	471	146698	147171
UN63962	Rsa1.0.13629.1	370	4609	1.00E-41	94	95	98 -	179	272	145	239
UN63963	Rsa1.0.18008.1	596	1691	1.00E-109	228	236	96 -	362	596	1453	1688
UN63964	Rsa1.0.01376.1	777	47004	0	434	443	97 +	3	445	40123	40565
UN63965	Rsa1.0.02654.1	340	29028	1.00E-121	261	272	95 -	68	338	19630	19899
UN63966	Rsa1.0.03610.1	548	21797	1.00E-125	243	247	98 +	3	248	15424	15670
UN63967	Rsa1.0.00040.1	489	324196	2.00E-47	100	101	99 +	389	489	243476	243576
UN63968	Rsa1.0.00222.1	604	172263	5.00E-73	167	176	94 +	8	183	136705	136880
UN63969	Rsa1.0.01214.1	575	50599	0	545	585	93 -	3	575	2278	2852
UN63970	Rsa1.0.00016.1	556	831256	1.00E-133	250	253	98 +	1	253	14643	14895
UN63971	Rsa1.0.03452.1	647	22817	0	620	637	97 +	14	647	2264	2900
UN63972	Rsa1.0.00130.1	380	125737	1.00E-168	371	393	94 -	3	380	117768	118160
UN63973	Rsa1.0.03130.1	216	25145	4.00E-68	150	156	96 +	1	152	870	1025
UN63974	Rsa1.0.01692.1	587	40894	1.00E-79	195	209	93 +	177	382	23854	24062
UN63975	Rsa1.0.01986.1	645	36489	1.00E-172	322	327	98 -	2	328	15835	16161
UN63976	Rsa1.0.04399.1	793	17543	1.00E-101	239	255	93 +	18	265	8829	9083
UN63977	Rsa1.0.00207.1	717	248736	2.00E-45	133	142	93 +	575	713	244784	244925
UN63978	Rsa1.0.02671.1	308	28887	7.00E-55	133	141	94 -	137	277	10710	10850
UN63979	Rsa1.0.00745.1	568	66067	1.00E-162	323	334	96 -	2	335	25762	26095
UN63980	Rsa1.0.00105.1	639	134138	0	504	524	96 +	116	639	80589	81111
UN63981	Rsa1.0.00033.1	426	515811	2.00E-50	176	200	88 -	77	276	372750	372946
UN63982	Rsa1.0.00487.1	598	80674	9.00E-53	109	110	99 -	428	537	18372	18481
UN63983	Rsa1.0.03166.1	645	24863	1.00E-171	510	574	88 +	95	645	17900	18470
UN63984	Rsa1.0.01321.1	295	48248	1.00E-126	247	253	97 +	43	295	47545	47797
UN63985	Rsa1.0.00581.1	727	163575	5.00E-64	131	133	98 -	487	619	28441	28573
UN63986	Rsa1.0.00607.1	681	73146	1.00E-176	358	373	95 +	6	378	14229	14601
UN63987	Rsa1.0.01523.1	751	43959	1.00E-115	259	275	94 +	272	536	23028	23302
UN63988	Rsa1.0.00954.1	694	189536	6.00E-76	154	157	98 +	485	641	37783	37939
UN63989	Rsa1.0.00347.1	470	93048	1.00E-57	195	222	87 -	225	444	81469	81672
UN63990	Rsa1.0.00112.1	388	132199	1.00E-66	164	173	94 +	223	388	118993	119165
UN63991	Rsa1.0.00237.1	642	235974	7.00E-94	233	251	92 +	43	292	4721	4971
UN63992	Rsa1.0.00059.1	242	159650	6.00E-64	177	193	91 -	12	197	124440	124629
UN63993	Rsa1.0.00965.1	649	58139	8.00E-69	142	145	97 +	485	629	8169	8313
UN63994	Rsa1.0.00054.1	638	162053	1.00E-103	216	222	97 -	30	251	123064	123282
UN63995	Rsa1.0.03211.1	824	24591	1.00E-145	292	302	96 +	3	304	7527	7828
UN63996	Rsa1.0.02407.1	772	31684	1.00E-118	282	304	92 +	3	306	23951	24254
UN63997	Rsa1.0.01663.1	810	168589	1.00E-128	248	253	98 -	240	492	148222	148474

UN63998	Rsa1.0_00296.1	707	97854	1.00E-148	363	392	92 +	3	382	51437	51825
UN63999	Rsa1.0_13633.1	499	4605	1.00E-42	98	101	97 +	165	265	1458	1558
UN64000	Rsa1.0_00544.1	227	76787	3.00E-44	130	142	91 +	63	203	586	721
UN64001	Rsa1.0_03271.1	633	24187	3.00E-93	206	216	95 -	280	495	2314	2526
UN64002	Rsa1.0_00045.1	677	328694	0	437	456	95 +	9	463	224837	225292
UN64003	Rsa1.0_01525.1	706	43925	0	492	498	98 -	197	694	17139	17636
UN64004	Rsa1.0_08505.1	730	7258	5.00E-95	432	506	85 -	215	713	6341	6841
UN64005	Rsa1.0_02442.1	495	31355	1.00E-112	240	249	96 -	247	495	12548	12794
UN64006	Rsa1.0_00009.1	774	232558	1.00E-178	350	361	96 -	318	678	9736	10096
UN64007	Rsa1.0_02180.1	669	34176	0	347	349	99 +	3	351	8375	8723
UN64008	Rsa1.0_00476.1	676	280966	0	669	689	97 -	4	676	31904	32592
UN64009	Rsa1.0_02672.1	678	28884	0	622	699	88 +	1	678	24743	25426
UN64010	Rsa1.0_01046.1	778	152989	8.00E-57	150	157	95 -	623	775	112969	113125
UN64011	Rsa1.0_02187.1	273	34113	1.00E-130	263	272	96 +	1	272	25368	25639
UN64012	Rsa1.0_02365.1	724	32118	0	660	734	89 -	3	724	30178	30883
UN64013	Rsa1.0_04751.1	273	16132	1.00E-103	220	229	96 -	45	273	13066	13292
UN64014	Rsa1.0_01031.1	754	56236	1.00E-98	209	215	97 -	527	739	40072	40286
UN64015	Rsa1.0_18696.1	627	1550	1.00E-106	246	263	93 +	3	265	1000	1262
UN64016	Rsa1.0_00867.1	571	61635	5.00E-82	266	298	89 -	3	294	27352	27640
UN64017	Rsa1.0_00121.1	729	278029	1.00E-177	353	366	96 -	2	367	11572	11937
UN64018	Rsa1.0_01511.1	654	44235	1.00E-145	267	269	99 +	386	654	30186	30454
UN64019	Rsa1.0_05938.1	759	12173	0	732	767	95 +	2	759	2276	3033
UN64020	Rsa1.0_00817.1	764	62961	2.00E-97	181	181	100 +	349	529	36251	36431
UN64021	Rsa1.0_01804.1	579	39038	9.00E-19	97	112	86 +	297	408	26289	26393
UN64022	Rsa1.0_12457.1	208	5222	4.00E-68	140	143	97 -	3	145	4922	5064
UN64023	Rsa1.0_00005.1	668	353093	0	634	666	95 +	1	663	193903	194568
UN64024	Rsa1.0_10841.1	718	5705	0	648	706	91 +	5	709	135	834
UN64025	Rsa1.0_01076.1	663	54835	0	614	647	94 -	9	653	4096	4739
UN64026	Rsa1.0_03284.1	703	24069	1.00E-127	288	304	94 -	343	644	18434	18733
UN64027	Rsa1.0_04538.1	776	16940	7.00E-79	198	209	94 +	570	774	7026	7233
UN64028	Rsa1.0_01534.1	786	43764	0	761	791	96 +	1	786	9362	10152
UN64029	Rsa1.0_00484.1	687	203294	1.00E-132	340	375	90 -	7	378	137471	137829
UN64030	Rsa1.0_11048.1	648	5634	1.00E-64	184	202	91 +	447	648	262	462
UN64031	Rsa1.0_00878.1	802	330303	8.00E-88	168	169	99 -	241	409	327224	327392
UN64032	Rsa1.0_00154.1	596	189461	1.00E-119	247	257	96 -	314	565	79526	79782
UN64033	Rsa1.0_00453.1	720	83031	0	651	676	96 +	55	714	16425	17100
UN64034	Rsa1.0_00053.1	380	263459	1.00E-148	351	378	92 +	3	380	72510	72886
UN64035	Rsa1.0_01569.1	788	43029	0	545	570	95 -	220	786	24245	24814
UN64036	Rsa1.0_03506.1	556	22416	1.00E-121	247	256	96 -	243	492	11977	12232

UN64037	Rsa1.0_04243.1	812	18321	0	773	812	95 +	8	808	12640	13451
UN64038	Rsa1.0_00047.1	766	168582	1.00E-102	201	205	98 +	68	272	97858	98062
UN64039	Rsa1.0_52986.1	698	430	1.00E-102	233	248	93 -	241	488	74	315
UN64040	#	#	#	#	#	#	#	#	#	#	#
UN64041	Rsa1.0_00897.1	749	60498	0	699	738	94 -	15	749	46718	47452
UN64042	Rsa1.0_00429.1	392	85559	1.00E-123	244	251	97 -	3	253	26197	26447
UN64043	Rsa1.0_09091.1	741	6656	1.00E-101	209	216	96 -	1	216	5070	5285
UN64044	Rsa1.0_04179.1	706	18633	0	686	708	96 -	2	706	1440	2143
UN64045	Rsa1.0_00098.1	723	349239	0	543	586	92 +	160	723	275444	276027
UN64046	Rsa1.0_01321.1	657	48248	0	611	620	98 -	2	621	19587	20206
UN64047	Rsa1.0_06032.1	785	11886	6.00E-64	243	284	85 -	7	281	10750	11012
UN64048	Rsa1.0_05766.1	644	12708	1.00E-143	270	274	98 -	209	482	10006	10279
UN64049	Rsa1.0_01537.1	640	187285	1.00E-112	235	245	95 -	237	481	12649	12893
UN64050	Rsa1.0_02246.1	689	33435	0	465	471	98 +	219	689	23284	23754
UN64051	Rsa1.0_00409.1	709	146788	0	673	706	95 +	2	707	11029	11734
UN64052	Rsa1.0_01137.1	527	52655	0	338	339	99 +	3	341	2730	3068
UN64053	Rsa1.0_00023.1	739	194764	1.00E-145	286	293	97 +	440	731	117583	117875
UN64054	Rsa1.0_04760.1	669	16105	4.00E-86	184	190	96 -	3	191	7185	7374
UN64055	Rsa1.0_28058.1	756	829	0	688	708	97 -	2	709	1	707
UN64056	Rsa1.0_00351.1	693	413096	2.00E-23	103	116	88 +	351	464	184381	184495
UN64057	Rsa1.0_05573.1	797	13290	1.00E-109	225	233	96 +	125	357	2830	3062
UN64058	Rsa1.0_01905.1	661	37450	1.00E-141	359	393	91 +	277	652	21816	22197
UN64059	Rsa1.0_05336.1	813	14117	4.00E-74	151	154	98 +	3	156	8645	8798
UN64060	Rsa1.0_00570.1	674	75002	0	649	671	96 -	3	668	31760	32424
UN64061	Rsa1.0_06209.1	813	11484	0	474	513	92 +	5	505	2213	2719
UN64062	Rsa1.0_00178.1	591	114861	0	575	594	96 -	1	591	13753	14345
UN64063	Rsa1.0_02723.1	746	28408	1.00E-160	318	326	97 -	423	746	7978	8303
UN64064	Rsa1.0_00402.1	816	385315	0	434	445	97 -	377	816	89253	89697
UN64065	Rsa1.0_00487.1	701	80674	1.00E-168	350	366	95 -	3	365	75851	76216
UN64066	Rsa1.0_00100.1	625	249232	0	468	498	93 +	3	500	199418	199909
UN64067	Rsa1.0_05391.1	619	13936	0	435	448	97 -	168	615	2766	3209
UN64068	Rsa1.0_00025.1	693	277312	2.33E-156	271	274	98 -	170	443	271079	271352
UN64069	Rsa1.0_00070.1	769	150321	0	510	527	96 +	49	575	36981	37507
UN64070	Rsa1.0_01786.1	578	133324	0	402	426	94 -	140	563	118325	118750
UN64071	Rsa1.0_00645.1	619	189716	1.00E-118	234	240	97 -	199	438	151484	151723
UN64072	Rsa1.0_00655.1	819	195840	1.00E-95	221	234	94 +	3	233	14920	15150
UN64073	Rsa1.0_00985.1	577	161950	1.00E-150	313	327	95 -	3	326	32823	33149
UN64074	Rsa1.0_02477.1	721	31058	0	490	509	96 -	46	545	15085	15593
UN64075	Rsa1.0_45629.1	648	494	0	471	491	95 -	68	547	1	491

UN64076	Rsa1.0_00397.1	680	88189	1.00E-73	159	165	96 -	277	441	65711	65875
UN64077	Rsa1.0_02267.1	763	33194	6.00E-70	138	139	99 -	471	609	9697	9835
UN64078	Rsa1.0_00038.1	388	314568	1.00E-94	243	263	92 -	132	387	304014	304275
UN64079	Rsa1.0_01126.1	211	53127	3.00E-44	182	211	86 +	2	211	7840	8030
UN64080	Rsa1.0_00088.1	598	141341	1.00E-85	167	169	98 +	87	255	106711	106879
UN64081	Rsa1.0_01889.1	793	37562	9.00E-66	143	148	96 -	7	154	22630	22777
UN64082	Rsa1.0_00579.1	819	148308	1.00E-165	347	364	95 -	213	573	15752	16115
UN64083	Rsa1.0_16449.1	399	2152	3.00E-76	160	165	96 +	183	347	1831	1995
UN64084	Rsa1.0_03860.1	810	20407	1.00E-144	305	319	95 -	217	532	17073	17388
UN64085	Rsa1.0_00504.1	801	79334	0	739	774	95 +	32	801	60685	61458
UN64086	Rsa1.0_00251.1	801	303968	0	404	410	98 -	1	410	159357	159766
UN64087	Rsa1.0_02349.1	749	32312	5.00E-18	154	188	81 -	504	691	2023	2204
UN64088	Rsa1.0_00124.1	669	262503	4.00E-83	175	181	96 -	316	496	29199	29379
UN64089	Rsa1.0_00682.1	624	68680	0	493	519	94 -	5	521	37867	38385
UN64090	Rsa1.0_00961.1	706	58185	3.00E-65	127	127	100 -	438	564	24900	25026
UN64091	Rsa1.0_00399.1	693	242951	0	533	545	97 +	3	544	75602	76146
UN64092	Rsa1.0_01366.1	630	47139	3.00E-31	104	114	91 +	518	630	5696	5809
UN64093	Rsa1.0_00502.1	369	204180	4.00E-57	204	240	85 -	11	245	182232	182449
UN64094	Rsa1.0_01154.1	705	52249	1.00E-144	286	295	96 +	41	335	1014	1308
UN64095	Rsa1.0_16666.1	609	2071	1.00E-174	465	505	92 +	3	499	1069	1556
UN64096	Rsa1.0_00030.1	611	250988	1.00E-128	256	264	96 -	348	611	213961	214224
UN64097	Rsa1.0_07315.1	699	9562	0	691	698	98 +	2	699	5744	6441
UN64098	Rsa1.0_35270.1	816	641	1.00E-163	309	315	98 +	358	672	19	333
UN64099	Rsa1.0_00093.1	327	214962	3.00E-94	292	328	89 -	2	325	104541	104851
UN64100	Rsa1.0_00067.1	527	415055	0	426	449	94 -	83	527	46414	46853
UN64101	Rsa1.0_00131.1	675	432233	4.00E-80	164	168	97 +	277	444	10362	10529
UN64102	Rsa1.0_00284.1	612	323267	0	590	608	97 -	3	610	144311	144918
UN64103	Rsa1.0_03175.1	650	24802	0	581	651	89 +	1	637	20837	21457
UN64104	Rsa1.0_00958.1	722	58243	0	365	376	97 -	344	719	2989	3364
UN64105	Rsa1.0_00001.1	754	363028	0	715	769	92 +	1	754	39152	39907
UN64106	Rsa1.0_02023.1	780	35922	0	483	525	92 +	259	780	26294	26818
UN64107	Rsa1.0_01545.1	661	43599	0	465	491	94 -	4	479	27015	27501
UN64108	Rsa1.0_00745.1	520	66067	1.00E-133	331	355	93 -	149	500	46607	46958
UN64109	Rsa1.0_00196.1	587	109960	1.00E-152	319	335	95 +	1	323	101293	101627
UN64110	Rsa1.0_00967.1	597	58049	0	577	596	96 -	2	597	7514	8109
UN64111	Rsa1.0_00033.1	248	515811	5.00E-40	91	92	98 -	148	238	146880	146971
UN64112	Rsa1.0_00098.1	579	349239	1.00E-143	302	317	95 +	273	579	343978	344294
UN64113	Rsa1.0_01325.1	375	48131	1.00E-140	342	366	93 +	23	375	16479	16844
UN64114	Rsa1.0_00703.1	745	67597	1.00E-160	310	318	97 +	273	590	7592	7909

UN64115	Rsa1.0.03027.1	666	25883	7.00E-97	264	291	90 -	3	277	24444	24733
UN64116	Rsa1.0.03800.1	570	20768	0	551	569	96 -	2	570	1792	2359
UN64117	Rsa1.0.00575.1	583	74791	1.00E-112	224	230	97 -	2	231	71722	71951
UN64118	Rsa1.0.00487.1	559	80674	2.00E-38	91	94	96 -	226	319	15521	15614
UN64119	Rsa1.0.18628.1	686	1562	0	662	689	96 -	1	686	624	1309
UN64120	Rsa1.0.00937.1	762	59061	0	413	423	97 -	94	516	54953	55375
UN64121	Rsa1.0.00707.1	557	190112	0	534	553	96 -	5	557	14120	14671
UN64122	Rsa1.0.01963.1	749	36719	0	498	529	94 -	13	540	25344	25849
UN64123	Rsa1.0.01047.1	226	55705	1.00E-110	205	206	99 +	3	208	39244	39449
UN64124	Rsa1.0.00483.1	696	81102	3.00E-47	109	113	96 -	245	357	49082	49194
UN64125	Rsa1.0.22496.1	588	1116	2.00E-78	179	187	95 -	3	185	22	208
UN64126	Rsa1.0.00856.1	653	62037	1.00E-73	150	153	98 -	377	529	13140	13292
UN64127	Rsa1.0.03297.1	626	23969	2.00E-78	182	192	94 +	435	626	21026	21215
UN64128	Rsa1.0.04794.1	773	15960	0	368	383	96 +	80	462	6544	6926
UN64129	Rsa1.0.02079.1	651	35306	1.00E-154	310	320	96 -	3	321	4592	4911
UN64130	Rsa1.0.01335.1	628	47894	1.00E-133	315	341	92 -	2	333	3912	4252
UN64131	Rsa1.0.01000.1	691	57140	1.00E-86	175	179	97 -	1	179	19064	19242
UN64132	Rsa1.0.00467.1	765	156542	1.00E-110	245	259	94 +	42	300	91014	91272
UN64133	Rsa1.0.00457.1	630	337301	1.00E-134	326	353	92 +	281	630	334386	334734
UN64134	Rsa1.0.12250.1	460	5276	1.00E-164	301	304	99 -	123	426	674	977
UN64135	Rsa1.0.00253.1	724	231292	7.00E-94	196	203	96 -	372	574	205358	205560
UN64136	Rsa1.0.00131.1	446	432233	1.00E-149	327	348	93 -	86	425	285283	285630
UN64137	Rsa1.0.02026.1	796	35896	1.00E-119	229	233	98 -	166	398	13982	14214
UN64138	Rsa1.0.24394.1	515	989	4.00E-64	125	125	100 -	185	309	545	669
UN64139	Rsa1.0.00484.1	793	203294	1.00E-179	356	363	98 -	369	727	49985	50347
UN64140	Rsa1.0.00713.1	114	158017	2.00E-40	112	118	94 -	2	114	49848	49965
UN64141	Rsa1.0.01739.1	652	40068	0	600	665	90 -	4	652	15085	15726
UN64142	Rsa1.0.00017.1	564	752458	1.00E-134	320	345	92 -	227	564	277058	277402
UN64143	Rsa1.0.02312.1	595	32675	0	501	508	98 -	89	595	20044	20551
UN64144	Rsa1.0.08388.1	504	7436	0	359	364	98 -	38	401	3639	4002
UN64145	Rsa1.0.02593.1	465	29744	1.00E-118	258	271	95 -	196	465	4392	4656
UN64146	Rsa1.0.00212.1	511	108350	0	464	476	97 -	36	511	23849	24318
UN64147	Rsa1.0.08779.1	788	6929	0	748	781	95 +	4	772	2477	3253
UN64148	Rsa1.0.00626.1	706	71582	4.00E-49	109	111	98 -	285	393	56024	56134
UN64149	Rsa1.0.00124.1	701	262503	0	442	458	96 -	159	613	172735	173192
UN64150	Rsa1.0.04422.1	629	17423	0	602	630	95 -	3	629	2241	2863
UN64151	Rsa1.0.62453.1	604	367	1.00E-118	255	268	95 -	184	451	1	268
UN64152	Rsa1.0.00101.1	350	267193	5.00E-81	187	193	96 -	162	350	121236	121428
UN64153	Rsa1.0.13872.1	697	4176	3.00E-96	200	207	96 +	85	291	1	207

UN64154	Rsa1.0.00050.1	740	237174	0	460	482	95 +	216	697	7595	8076
UN64155	Rsa1.0.01754.1	587	39792	1.00E-125	267	280	95 +	308	587	13547	13826
UN64156	Rsa1.0.03278.1	439	24125	4.00E-51	109	111	98 -	278	388	3059	3169
UN64157	Rsa1.0.01139.1	716	52601	0	426	449	94 +	119	567	48423	48864
UN64158	Rsa1.0.00093.1	744	214962	0	675	706	95 +	2	705	103728	104433
UN64159	Rsa1.0.55266.1	220	413	1.00E-74	201	217	92 -	7	220	82	292
UN64160	Rsa1.0.00885.1	622	61088	0	366	373	98 -	5	377	6698	7070
UN64161	Rsa1.0.03191.1	730	145762	1.00E-86	292	333	87 -	341	663	22149	22472
UN64162	Rsa1.0.02682.1	416	28711	1.00E-128	277	291	95 -	129	416	10469	10759
UN64163	Rsa1.0.01827.1	639	143321	1.00E-140	317	336	94 -	293	627	130946	131280
UN64164	Rsa1.0.01424.1	790	46139	0	549	577	95 +	217	788	43607	44183
UN64165	Rsa1.0.02358.1	560	32213	0	525	571	91 -	12	560	21251	21811
UN64166	Rsa1.0.01454.1	367	45440	1.00E-81	161	162	99 +	168	328	12564	12725
UN64167	Rsa1.0.15221.1	731	2744	1.00E-125	246	251	98 -	462	711	376	626
UN64168	Rsa1.0.03122.1	630	25207	1.00E-109	225	233	96 -	388	620	17669	17901
UN64169	Rsa1.0.00216.1	664	197563	1.00E-82	165	168	98 -	163	330	13885	14052
UN64170	Rsa1.0.07701.1	724	8758	0	711	727	97 +	1	724	4606	5331
UN64171	Rsa1.0.04584.1	438	16756	1.00E-140	273	279	97 +	143	421	4436	4712
UN64172	Rsa1.0.00529.1	125	77487	6.00E-38	119	132	90 +	1	122	1920	2051
UN64173	Rsa1.0.00459.1	108	82580	3.00E-39	97	102	95 -	3	104	42245	42346
UN64174	Rsa1.0.01073.1	275	55030	1.00E-116	258	273	94 -	3	275	34259	34528
UN64175	Rsa1.0.00134.1	503	390219	8.00E-93	200	209	95 +	1	209	129404	129612
UN64176	Rsa1.0.00026.1	764	327835	1.00E-147	278	281	98 -	478	758	46305	46584
UN64177	Rsa1.0.00500.1	670	272308	1.00E-76	216	238	90 -	150	380	160574	160802
UN64178	Rsa1.0.03425.1	683	23043	1.00E-126	281	300	93 -	3	302	7749	8033
UN64179	Rsa1.0.19594.1	602	1410	1.00E-143	333	360	92 +	259	602	356	715
UN64180	Rsa1.0.09468.1	584	6346	1.00E-134	328	358	91 +	4	341	5954	6307
UN64181	Rsa1.0.00037.1	820	307838	0	490	504	97 -	2	503	66234	66737
UN64182	Rsa1.0.18647.1	692	1560	1.00E-157	328	342	95 -	341	681	591	932
UN64183	Rsa1.0.01039.1	766	55946	1.00E-129	249	254	98 -	513	766	38104	38357
UN64184	Rsa1.0.03304.1	535	23883	0	517	534	96 +	2	535	17600	18132
UN64185	Rsa1.0.01064.1	799	55295	4.00E-74	470	577	81 -	76	649	1	557
UN64186	Rsa1.0.00440.1	319	84723	7.00E-43	101	105	96 +	98	202	47675	47779
UN64187	Rsa1.0.00459.1	359	82580	1.00E-112	221	226	97 +	134	359	69485	69710
UN64188	Rsa1.0.02392.1	808	152517	1.00E-108	216	221	97 -	449	669	26268	26485
UN64189	Rsa1.0.01701.1	768	162121	8.00E-94	187	191	97 -	144	334	26072	26262
UN64190	Rsa1.0.00054.1	691	162053	0	363	368	98 +	1	368	137459	137826
UN64191	Rsa1.0.02922.1	666	26753	2.00E-48	144	159	90 +	166	324	10034	10192
UN64192	Rsa1.0.00296.1	741	97854	1.00E-143	347	376	92 +	34	400	51453	51825

UN64193	Rsa1.0.00777.1	815	191865	1.00E-168	369	387	95 +	430	807	182381	182767
UN64194	Rsa1.0.03015.1	556	26006	7.00E-41	95	98	96 -	3	100	3192	3289
UN64195	Rsa1.0.02347.1	362	32332	8.00E-46	106	110	96 -	185	294	24104	24213
UN64196	Rsa1.0.00042.1	463	171507	1.00E-122	255	266	95 +	196	461	157980	158245
UN64197	Rsa1.0.02969.1	633	26390	1.00E-125	270	283	95 -	1	283	21656	21937
UN64198	Rsa1.0.03305.1	619	147552	0	591	621	95 -	2	619	139656	140271
UN64199	Rsa1.0.09005.1	507	6716	0	473	507	93 +	1	507	3915	4420
UN64200	Rsa1.0.00224.1	522	327530	1.00E-106	205	208	98 +	194	401	42951	43158
UN64201	Rsa1.0.03007.1	574	26070	1.00E-140	283	293	96 -	57	349	3370	3662
UN64202	Rsa1.0.02133.1	667	34726	1.00E-101	231	245	94 +	158	399	31515	31759
UN64203	Rsa1.0.00158.1	526	117999	8.00E-90	219	232	94 +	299	525	40584	40812
UN64204	Rsa1.0.05273.1	257	14304	1.00E-68	135	136	99 +	60	195	140	275
UN64205	Rsa1.0.00413.1	312	86921	3.00E-88	203	213	95 +	91	303	47313	47523
UN64206	Rsa1.0.03664.1	625	21487	1.00E-142	329	352	93 -	92	437	4808	5159
UN64207	Rsa1.0.00002.1	815	601661	0	784	814	96 -	2	813	437088	437901
UN64208	Rsa1.0.01364.1	549	47172	1.00E-168	324	331	97 -	3	331	45707	46033
UN64209	Rsa1.0.66339.1	829	345	9.00E-97	186	188	98 -	192	379	98	285
UN64210	Rsa1.0.01938.1	747	264018	0	561	584	96 -	170	747	156784	157365
UN64211	Rsa1.0.02085.1	690	35198	0	653	689	94 +	3	690	27918	28604
UN64212	Rsa1.0.01444.1	582	169539	1.00E-118	258	268	96 -	317	582	14822	15088
UN64213	Rsa1.0.03753.1	733	21010	1.00E-114	314	343	91 -	3	341	3208	3532
UN64214	Rsa1.0.29854.1	840	770	0	418	431	96 -	3	433	1	429
UN64215	Rsa1.0.00309.1	693	96883	3.00E-68	150	156	96 -	159	314	66985	67140
UN64216	Rsa1.0.00662.1	661	192183	1.00E-129	255	262	97 +	110	371	1595	1856
UN64217	Rsa1.0.04022.1	633	19534	1.00E-82	186	196	94 +	438	633	6268	6463
UN64218	Rsa1.0.02114.1	765	34873	0	492	546	90 +	191	734	14430	14945
UN64219	Rsa1.0.00024.1	674	188018	2.00E-94	208	218	95 -	374	588	53498	53715
UN64220	Rsa1.0.01292.1	630	175783	1.00E-112	215	218	98 +	410	627	3978	4195
UN64221	Rsa1.0.03009.1	624	26065	1.00E-149	318	333	95 +	3	330	2674	3006
UN64222	Rsa1.0.00329.1	394	222544	3.00E-70	211	235	89 -	157	391	16347	16580
UN64223	Rsa1.0.00128.1	632	228675	0	610	633	96 -	2	632	207544	208176
UN64224	Rsa1.0.00001.1	650	363028	0	614	639	96 +	4	642	33766	34404
UN64225	Rsa1.0.00108.1	708	478491	0	688	711	96 +	1	708	10872	11575
UN64226	Rsa1.0.00243.1	733	103651	1.00E-160	316	326	96 -	408	733	20991	21316
UN64227	Rsa1.0.54377.1	104	419	2.00E-40	99	104	95 +	1	104	314	417
UN64228	Rsa1.0.14734.1	750	3116	0	465	505	92 -	45	528	139	643
UN64229	Rsa1.0.08166.1	526	7803	2.00E-59	126	129	97 -	191	319	1	129
UN64230	Rsa1.0.00221.1	761	106972	1.00E-102	281	311	90 -	37	343	50983	51274
UN64231	Rsa1.0.00316.1	576	96264	1.00E-136	282	294	95 -	11	304	85735	86028

UN64232	Rsa1.0.03070.1	671	25578	0	530	593	89 +	88	668	13284	13866
UN64233	Rsa1.0.00115.1	110	131321	2.00E-18	50	51	98 +	60	110	21048	21098
UN64234	Rsa1.0.00207.1	510	248736	0	467	494	94 +	3	495	196517	197000
UN64235	Rsa1.0.00034.1	732	260119	1.00E-114	268	285	94 +	450	732	67803	68081
UN64236	Rsa1.0.00286.1	479	98709	2.00E-84	263	294	89 -	147	433	92105	92391
UN64237	Rsa1.0.02737.1	536	28325	1.00E-108	256	271	94 +	2	272	6905	7167
UN64238	Rsa1.0.04374.1	323	17670	1.00E-138	294	309	95 +	25	323	16320	16628
UN64239	Rsa1.0.44526.1	152	505	1.00E-33	76	77	98 -	5	81	159	235
UN64240	Rsa1.0.00338.1	722	94109	1.00E-129	261	267	97 +	451	715	65588	65854
UN64241	Rsa1.0.00773.1	808	64839	0	442	474	93 +	162	628	60360	60831
UN64242	Rsa1.0.00932.1	730	59185	1.00E-162	342	360	95 -	7	366	3645	3992
UN64243	Rsa1.0.00222.1	700	172263	0	591	640	92 +	25	643	39652	40291
UN64244	Rsa1.0.00006.1	674	396176	0	627	662	94 -	9	663	385972	386624
UN64245	Rsa1.0.05754.1	698	12731	2.00E-82	162	164	98 -	459	622	7374	7537
UN64246	Rsa1.0.10284.1	606	5904	1.00E-140	272	277	98 -	331	606	1827	2103
UN64247	Rsa1.0.00526.1	400	169279	0	395	398	99 -	3	400	127460	127857
UN64248	Rsa1.0.02831.1	521	27533	0	415	442	93 +	80	521	13241	13682
UN64249	Rsa1.0.00605.1	668	73199	0	427	454	94 -	3	442	4479	4932
UN64250	Rsa1.0.00048.1	274	167185	5.00E-68	149	155	96 -	10	164	106387	106541
UN64251	Rsa1.0.01606.1	768	42432	1.00E-160	341	359	94 +	161	519	6320	6673
UN64252	Rsa1.0.00320.1	296	95784	1.00E-138	283	294	96 +	3	296	57782	58072
UN64253	Rsa1.0.00175.1	344	166121	1.00E-87	189	195	96 -	117	310	141898	142090
UN64254	Rsa1.0.00648.1	578	70351	1.00E-125	303	325	93 +	9	327	21672	21992
UN64255	Rsa1.0.00815.1	599	63031	5.00E-39	148	167	88 +	177	342	33400	33565
UN64256	Rsa1.0.08459.1	747	7315	1.00E-103	228	238	95 -	3	233	4884	5121
UN64257	Rsa1.0.00085.1	768	142226	0	642	678	94 -	4	671	7383	8060
UN64258	Rsa1.0.00099.1	474	159619	3.00E-55	113	114	99 -	2	115	5681	5794
UN64259	Rsa1.0.01818.1	802	38837	0	379	388	97 -	2	386	10616	11000
UN64260	Rsa1.0.00082.1	756	237584	1.00E-116	311	344	90 -	194	537	26890	27233
UN64261	Rsa1.0.12198.1	668	5291	0	508	531	95 +	31	561	4412	4942
UN64262	Rsa1.0.00447.1	513	84051	1.00E-126	272	284	95 +	228	508	14586	14869
UN64263	Rsa1.0.04395.1	631	17570	0	591	629	93 -	3	622	7918	8545
UN64264	Rsa1.0.26598.1	820	884	0	770	816	94 +	5	802	53	864
UN64265	Rsa1.0.00516.1	770	78417	6.00E-73	146	148	98 -	137	284	14950	15097
UN64266	Rsa1.0.00068.1	723	151813	0	688	721	95 -	4	723	38254	38974
UN64267	Rsa1.0.00163.1	364	116847	1.00E-158	338	350	96 -	2	346	51457	51806
UN64268	Rsa1.0.03001.1	694	26108	0	669	706	94 +	2	694	11580	12282
UN64269	Rsa1.0.04455.1	512	17266	0	398	412	96 -	1	409	12968	13378
UN64270	Rsa1.0.00734.1	348	66508	1.00E-121	253	260	97 +	2	258	53633	53891

UN64271	Rsa1.0.00111.1	810	390088	0	495	521	95 -	59	579	338919	339427
UN64272	Rsa1.0.00699.1	659	184398	1.00E-180	349	358	97 -	306	659	183965	184319
UN64273	Rsa1.0.00340.1	396	305782	2.00E-74	186	199	93 +	113	310	193443	193637
UN64274	Rsa1.0.00060.1	627	502678	0	417	428	97 +	1	428	396604	397031
UN64275	Rsa1.0.00720.1	619	66931	1.00E-116	242	251	96 +	369	619	37937	38185
UN64276	Rsa1.0.05162.1	530	14631	1.00E-104	252	269	93 -	153	412	9833	10099
UN64277	Rsa1.0.02811.1	452	27669	1.00E-133	264	272	97 -	144	415	14402	14673
UN64278	Rsa1.0.00157.1	440	245832	0	394	406	97 -	36	439	156456	156861
UN64279	Rsa1.0.00879.1	580	61297	1.00E-175	317	319	99 -	262	580	12606	12924
UN64280	Rsa1.0.00051.1	733	258225	0	710	734	96 -	1	733	120655	121388
UN64281	Rsa1.0.00092.1	278	659932	1.00E-132	271	279	97 +	2	278	655744	656022
UN64282	Rsa1.0.00190.1	648	318240	4.00E-98	209	218	95 +	1	218	201939	202156
UN64283	Rsa1.0.04489.1	651	17145	1.00E-114	241	251	96 +	363	613	9271	9518
UN64284	Rsa1.0.00440.1	604	84723	9.00E-53	112	114	98 +	127	240	66302	66415
UN64285	Rsa1.0.17744.1	716	1752	0	439	461	95 -	233	693	747	1204
UN64286	Rsa1.0.00887.1	634	61048	4.00E-52	199	229	86 +	317	545	37729	37956
UN64287	Rsa1.0.00218.1	616	201480	0	593	612	96 -	2	613	26804	27415
UN64288	Rsa1.0.02098.1	811	35032	3.00E-53	122	127	96 -	576	702	19847	19973
UN64289	Rsa1.0.03875.1	568	20355	1.00E-130	245	248	98 +	2	249	15229	15476
UN64290	Rsa1.0.00556.1	615	207212	0	555	586	94 -	40	615	28491	29074
UN64291	Rsa1.0.65172.1	701	352	1.00E-132	252	256	98 +	121	376	97	352
UN64292	Rsa1.0.05699.1	519	12889	0	512	526	97 -	2	519	10198	10723
UN64293	Rsa1.0.00131.1	632	432233	1.00E-141	286	295	96 +	3	291	6338	6632
UN64294	Rsa1.0.04166.1	604	18757	1.00E-147	298	309	96 +	3	311	12587	12895
UN64295	#	#	#	#	#	#	#	#	#	#	#
UN64296	Rsa1.0.05004.1	714	15172	1.00E-114	275	299	91 -	149	447	3432	3718
UN64297	Rsa1.0.00658.1	683	69740	0	678	682	99 +	3	683	56796	57477
UN64298	Rsa1.0.17354.1	478	1851	1.00E-116	307	338	90 -	141	478	367	701
UN64299	Rsa1.0.00377.1	469	90038	1.00E-145	282	289	97 -	2	290	46603	46891
UN64300	Rsa1.0.05260.1	629	14337	1.00E-120	267	282	94 -	3	284	4819	5098
UN64301	Rsa1.0.00333.1	749	94500	1.00E-127	258	267	96 +	148	414	68164	68430
UN64302	Rsa1.0.00172.1	649	115476	0	615	652	94 +	3	649	23558	24207
UN64303	Rsa1.0.00056.1	573	332604	2.00E-56	118	120	98 -	407	526	293483	293602
UN64304	Rsa1.0.05239.1	590	14410	3.00E-99	244	262	93 -	339	590	11875	12132
UN64305	Rsa1.0.02700.1	556	28584	6.00E-94	234	251	93 +	310	555	27509	27757
UN64306	Rsa1.0.00640.1	583	70979	3.00E-74	160	166	96 +	222	387	47923	48088
UN64307	Rsa1.0.01811.1	478	38977	1.00E-115	217	219	99 +	256	474	1187	1405
UN64308	Rsa1.0.03304.1	713	23883	0	468	494	94 +	222	713	18843	19328
UN64309	Rsa1.0.03880.1	404	20293	2.00E-96	210	219	95 +	155	372	18521	18739

UN64310	Rsa1.0.01111.1	486	53669	1.00E-107	245	261	93 -	47	298	41591	41850
UN64311	Rsa1.0.00207.1	553	248736	2.00E-41	96	99	96 +	205	303	202510	202608
UN64312	Rsa1.0.01242.1	326	50066	1.00E-106	228	239	95 +	57	295	16507	16745
UN64313	Rsa1.0.00182.1	543	142305	0	530	541	97 +	3	543	122612	123152
UN64314	Rsa1.0.03681.1	303	21405	2.00E-80	159	160	99 -	3	161	18854	19013
UN64315	Rsa1.0.02336.1	356	32397	4.00E-72	189	202	93 -	144	340	3336	3534
UN64316	Rsa1.0.01263.1	461	49703	7.00E-84	182	190	95 +	170	359	42329	42518
UN64317	Rsa1.0.00898.1	707	202772	0	559	569	98 -	139	707	176557	177125
UN64318	Rsa1.0.01453.1	426	45449	2.00E-71	176	188	93 -	5	190	15930	16117
UN64319	Rsa1.0.00065.1	133	454616	5.00E-60	129	133	96 -	1	133	127238	127370
UN64320	Rsa1.0.00043.1	614	264937	9.00E-90	255	283	90 +	3	269	99184	99465
UN64321	Rsa1.0.01334.1	321	47904	2.00E-46	101	103	98 -	146	248	8674	8776
UN64322	Rsa1.0.00517.1	666	142790	1.00E-76	152	154	98 +	142	295	69570	69723
UN64323	Rsa1.0.00104.1	563	368722	1.00E-79	163	167	97 +	397	563	201064	201230
UN64324	Rsa1.0.00168.1	563	115870	1.00E-164	374	403	92 -	64	454	111590	111989
UN64325	Rsa1.0.03177.1	555	24799	2.00E-90	201	211	95 +	1	208	2349	2559
UN64326	Rsa1.0.01546.1	414	43586	1.00E-179	389	411	94 +	3	412	30255	30661
UN64327	Rsa1.0.00179.1	533	393324	1.00E-175	417	451	92 +	63	507	25123	25573
UN64328	Rsa1.0.00093.1	127	214962	3.00E-24	110	125	88 -	2	126	11283	11400
UN64329	Rsa1.0.01173.1	635	51727	1.00E-116	254	267	95 +	9	272	111	377
UN64330	Rsa1.0.00055.1	289	520193	1.00E-100	197	201	98 -	89	289	291330	291530
UN64331	Rsa1.0.00660.1	558	69688	4.00E-95	192	197	97 -	41	237	5394	5590
UN64332	Rsa1.0.00376.1	537	90101	1.00E-110	217	222	97 -	316	537	35314	35535
UN64333	Rsa1.0.00006.1	427	396176	1.00E-128	362	408	88 -	26	427	24662	25051
UN64334	Rsa1.0.00418.1	771	215377	1.00E-115	238	247	96 +	9	255	55275	55521
UN64335	Rsa1.0.00561.1	738	75653	0	705	745	94 -	2	738	62871	63591
UN64336	Rsa1.0.14107.1	158	3802	1.00E-14	53	57	92 +	102	158	1	57
UN64337	Rsa1.0.00546.1	722	76523	0	687	726	94 -	6	722	68412	69134
UN64338	Rsa1.0.00724.1	437	66789	0	421	442	95 +	2	437	38921	39361
UN64339	Rsa1.0.01518.1	590	141402	0	558	588	94 +	7	590	117722	118303
UN64340	Rsa1.0.00019.1	626	301669	0	618	634	97 -	2	626	103385	104018
UN64341	Rsa1.0.00001.1	694	363028	1.00E-117	250	258	96 +	439	693	239197	239454
UN64342	Rsa1.0.02016.1	650	36003	0	369	379	97 +	270	648	23397	23773
UN64343	Rsa1.0.01251.1	607	49873	0	389	406	95 -	202	607	27304	27707
UN64344	Rsa1.0.03133.1	732	25135	1.00E-152	333	349	95 +	385	730	11553	11901
UN64345	Rsa1.0.04141.1	233	18864	2.00E-54	147	156	94 -	3	155	17273	17428
UN64346	Rsa1.0.09314.1	773	6461	0	511	542	94 +	155	689	3997	4527
UN64347	Rsa1.0.04155.1	452	134772	0	381	398	95 +	9	405	130474	130870
UN64348	Rsa1.0.02126.1	752	34765	0	420	429	97 -	2	430	12167	12595

UN64349	Rsa1.0.01077.1	595	54772	8.00E-75	152	155	98 -	61	215	20022	20176
UN64350	Rsa1.0.00016.1	686	831256	3.00E-93	382	451	84 +	177	618	650571	651021
UN64351	Rsa1.0.16156.1	742	2263	0	725	733	98 +	3	732	1176	1908
UN64352	Rsa1.0.00044.1	770	271658	1.00E-95	197	201	98 +	3	202	3256	3454
UN64353	Rsa1.0.00190.1	544	318240	0	423	447	94 +	9	444	17883	18324
UN64354	Rsa1.0.02907.1	682	26861	1.00E-106	216	223	96 -	388	610	15863	16085
UN64355	Rsa1.0.33333.1	606	681	0	551	585	94 +	24	606	76	653
UN64356	Rsa1.0.00029.1	703	272992	7.00E-91	214	225	95 +	481	703	208940	209162
UN64357	Rsa1.0.04470.1	754	17204	0	725	755	96 +	3	754	10813	11560
UN64358	Rsa1.0.00008.1	503	358124	1.00E-115	284	307	92 +	200	503	30632	30926
UN64359	Rsa1.0.00145.1	763	261008	2.00E-51	145	159	91 +	218	370	31350	31508
UN64360	Rsa1.0.00153.1	717	192931	1.00E-101	209	215	97 +	480	693	139608	139822
UN64361	Rsa1.0.00507.1	685	79074	0	351	359	97 -	327	685	16346	16701
UN64362	Rsa1.0.00214.1	487	107508	1.00E-94	182	184	98 -	5	188	7050	7233
UN64363	Rsa1.0.08558.1	700	7198	3.00E-93	227	244	93 -	6	246	6434	6677
UN64364	Rsa1.0.00793.1	632	64103	1.00E-108	257	272	94 -	361	632	13008	13272
UN64365	Rsa1.0.02685.1	534	28669	2.00E-75	162	168	96 -	367	534	10151	10318
UN64366	Rsa1.0.02257.1	534	33318	0	487	534	91 -	5	534	21574	22093
UN64367	Rsa1.0.00962.1	562	184909	0	493	512	96 +	50	561	40755	41263
UN64368	Rsa1.0.04438.1	225	17361	1.00E-43	117	125	93 +	3	127	12879	13001
UN64369	Rsa1.0.00690.1	710	140527	0	463	494	93 +	207	696	10481	10962
UN64370	Rsa1.0.00642.1	167	201230	9.00E-47	118	123	95 +	46	167	174584	174705
UN64371	Rsa1.0.03884.1	452	20274	0	333	336	99 -	117	452	13881	14216
UN64372	Rsa1.0.02749.1	648	28241	5.00E-73	174	184	94 +	208	390	2047	2230
UN64373	Rsa1.0.03565.1	690	22062	0	529	554	95 -	137	690	18037	18590
UN64374	Rsa1.0.05653.1	556	13043	0	446	474	94 +	93	556	10006	10476
UN64375	Rsa1.0.02388.1	497	31881	8.00E-99	201	206	97 +	292	497	4132	4335
UN64376	Rsa1.0.00571.1	635	329018	0	452	485	93 +	154	635	145041	145519
UN64377	Rsa1.0.05441.1	284	13742	6.00E-80	192	205	93 +	80	284	8798	8999
UN64378	Rsa1.0.00069.1	636	403561	1.00E-135	274	284	96 +	1	284	161598	161881
UN64379	Rsa1.0.02820.1	622	27629	1.00E-106	204	207	98 -	206	412	20354	20560
UN64380	Rsa1.0.21552.1	459	1192	1.00E-42	101	105	96 -	2	106	772	876
UN64381	Rsa1.0.00143.1	627	121313	1.00E-162	344	361	95 +	3	360	97993	98349
UN64382	#	#	#	#	#	#	#	#	#	#	#
UN64383	Rsa1.0.15215.1	824	2752	1.00E-118	311	331	93 +	509	824	1684	2014
UN64384	Rsa1.0.00823.1	614	62889	0	575	607	94 -	12	614	17555	18161
UN64385	Rsa1.0.03280.1	566	145083	1.00E-156	322	335	96 -	40	373	2559	2893
UN64386	Rsa1.0.01104.1	754	285480	1.00E-140	315	329	95 +	420	743	10212	10540
UN64387	Rsa1.0.00301.1	762	365315	1.00E-86	163	163	100 +	514	676	159534	159696

UN64388	Rsa1.0.00773.1	802	64839	0	766	809	94 -	2	802	8493	9298
UN64389	Rsa1.0.01597.1	558	42555	1.00E-147	283	289	97 -	2	290	18920	19208
UN64390	Rsa1.0.12160.1	592	5298	4.00E-70	147	151	97 +	423	573	530	680
UN64391	Rsa1.0.13775.1	554	4349	1.00E-128	253	260	97 -	295	554	2807	3066
UN64392	Rsa1.0.02226.1	393	33726	1.00E-60	173	186	93 -	3	187	11844	12025
UN64393	Rsa1.0.01953.1	252	36881	1.00E-59	183	203	90 +	1	200	26325	26521
UN64394	Rsa1.0.03471.1	548	22678	1.00E-111	227	234	97 -	167	397	14969	15202
UN64395	Rsa1.0.03688.1	389	143676	3.00E-73	147	148	99 -	55	201	16253	16400
UN64396	Rsa1.0.02606.1	484	29635	0	476	484	98 -	3	484	20337	20820
UN64397	Rsa1.0.00075.1	404	146680	1.00E-102	253	275	92 +	84	342	88317	88591
UN64398	Rsa1.0.03099.1	478	139424	1.00E-82	210	228	92 +	2	226	4396	4611
UN64399	Rsa1.0.08015.1	563	8078	0	369	376	98 -	3	375	2144	2519
UN64400	Rsa1.0.03044.1	576	25791	1.00E-102	267	294	90 -	116	406	15714	15992
UN64401	Rsa1.0.00281.1	715	99908	0	633	660	95 -	56	715	83530	84189
UN64402	Rsa1.0.00016.1	579	831256	0	479	503	95 +	6	508	294575	295077
UN64403	Rsa1.0.02375.1	565	32026	1.00E-129	310	334	92 +	3	334	28545	28869
UN64404	Rsa1.0.09091.1	264	6656	1.00E-126	255	264	96 +	1	264	2339	2602
UN64405	Rsa1.0.00497.1	604	79830	0	398	419	94 -	145	560	3429	3847
UN64406	Rsa1.0.00490.1	239	186713	4.00E-56	129	135	95 +	3	137	20800	20934
UN64407	Rsa1.0.02266.1	127	33195	5.00E-20	57	58	98 +	58	114	13497	13554
UN64408	Rsa1.0.00196.1	193	109960	2.00E-85	185	192	96 -	3	193	19463	19654
UN64409	Rsa1.0.03185.1	496	24739	5.00E-97	186	188	98 -	238	425	9033	9220
UN64410	Rsa1.0.01783.1	491	39383	2.00E-28	83	89	93 -	57	145	20355	20443
UN64411	Rsa1.0.01877.1	469	37789	1.00E-97	196	201	97 +	1	201	33298	33498
UN64412	Rsa1.0.00116.1	315	365886	8.00E-24	69	73	94 -	83	155	157266	157338
UN64413	Rsa1.0.00179.1	341	393324	2.00E-71	161	169	95 +	77	245	349023	349191
UN64414	Rsa1.0.03431.1	281	22974	1.00E-102	223	233	95 -	3	234	5524	5756
UN64415	Rsa1.0.01306.1	282	48720	1.00E-109	260	279	93 +	3	281	33645	33921
UN64416	Rsa1.0.00871.1	200	61539	9.00E-69	144	148	97 -	53	200	15405	15552
UN64417	Rsa1.0.07596.1	731	9056	1.00E-175	358	372	96 +	274	644	4029	4400
UN64418	Rsa1.0.01476.1	284	172928	6.00E-40	126	140	90 -	145	284	9557	9691
UN64419	Rsa1.0.00330.1	526	94666	1.00E-60	122	123	99 -	225	347	43212	43334
UN64420	Rsa1.0.04462.1	475	17250	2.00E-84	197	207	95 +	165	371	5837	6041
UN64421	Rsa1.0.00019.1	283	301669	1.00E-133	273	283	96 +	4	283	17859	18141
UN64422	Rsa1.0.00285.1	613	149638	1.00E-156	361	386	93 -	3	387	1797	2180
UN64423	Rsa1.0.00122.1	588	265937	1.00E-141	278	285	97 -	278	562	107859	108140
UN64424	Rsa1.0.05218.1	613	14457	3.00E-74	148	150	98 +	92	241	4482	4631
UN64425	Rsa1.0.00088.1	706	141341	1.00E-150	302	313	96 +	2	314	61081	61393
UN64426	Rsa1.0.03264.1	286	145959	2.00E-58	121	123	98 +	164	286	129573	129695

UN64427	Rsa1.0.02018.1	581	35994	0	536	555	96 +	27	581	29181	29730
UN64428	Rsa1.0.02377.1	286	31994	1.00E-116	266	283	93 +	2	277	5616	5898
UN64429	Rsa1.0.00050.1	667	237174	7.00E-57	119	121	98 +	156	276	78766	78886
UN64430	Rsa1.0.09063.1	714	6675	0	367	379	96 -	337	714	1800	2178
UN64431	Rsa1.0.00008.1	638	358124	1.00E-122	288	313	92 +	57	354	162320	162632
UN64432	Rsa1.0.09349.1	610	6433	0	404	421	95 +	1	421	4147	4567
UN64433	Rsa1.0.00194.1	339	110851	2.00E-95	189	193	97 +	3	195	11775	11967
UN64434	Rsa1.0.00825.1	393	62855	2.00E-56	115	116	99 -	124	239	29883	29998
UN64435	Rsa1.0.08532.1	188	7228	2.00E-44	114	121	94 +	1	121	1587	1704
UN64436	Rsa1.0.04318.1	533	17947	1.00E-116	254	265	95 -	2	264	5968	6232
UN64437	Rsa1.0.00644.1	282	136881	2.00E-48	104	106	98 -	116	221	64056	64161
UN64438	Rsa1.0.02900.1	612	26928	3.00E-62	211	236	89 +	363	593	16858	17087
UN64439	Rsa1.0.33919.1	540	668	1.00E-133	264	272	97 -	269	540	397	668
UN64440	Rsa1.0.07983.1	341	8131	1.00E-119	311	339	91 -	5	341	4459	4794
UN64441	Rsa1.0.00185.1	752	248445	3.00E-62	125	126	99 +	340	465	8954	9079
UN64442	Rsa1.0.00422.1	722	86144	0	690	736	93 +	3	722	32004	32736
UN64443	Rsa1.0.00198.1	522	222963	1.00E-152	302	312	96 +	211	522	163806	164117
UN64444	Rsa1.0.03997.1	553	19652	1.00E-171	393	421	93 -	126	544	11047	11458
UN64445	Rsa1.0.01322.1	587	48166	1.00E-108	224	231	96 -	358	587	11033	11263
UN64446	Rsa1.0.02939.1	479	26595	1.00E-118	291	316	92 -	11	326	20553	20868
UN64447	Rsa1.0.01000.1	358	57140	2.00E-71	192	205	93 -	141	342	16897	17100
UN64448	Rsa1.0.00065.1	743	454616	0	479	514	93 +	4	506	411687	412195
UN64449	Rsa1.0.03244.1	280	24413	1.00E-103	253	272	93 +	15	280	10841	11109
UN64450	Rsa1.0.00394.1	731	148426	0	570	610	93 -	131	731	125736	126342
UN64451	Rsa1.0.08315.1	165	7556	1.00E-76	151	153	98 -	8	160	828	980
UN64452	Rsa1.0.00114.1	545	131330	0	523	544	96 +	3	545	53524	54063
UN64453	Rsa1.0.00897.1	605	60498	1.00E-111	237	246	96 -	195	439	22614	22856
UN64454	Rsa1.0.02228.1	186	33688	6.00E-45	101	104	97 -	1	104	12574	12677
UN64455	Rsa1.0.04040.1	591	19439	1.00E-180	353	364	96 -	228	591	9917	10280
UN64456	Rsa1.0.00407.1	802	191544	6.00E-73	149	152	98 +	398	549	29701	29852
UN64457	Rsa1.0.00744.1	630	66084	6.00E-88	180	185	97 -	388	572	58549	58733
UN64458	Rsa1.0.00006.1	827	396176	1.00E-125	278	295	94 -	3	297	102352	102641
UN64459	Rsa1.0.00023.1	802	194764	0	372	384	96 +	3	384	179578	179961
UN64460	Rsa1.0.08140.1	560	7845	1.00E-178	345	352	98 +	63	412	5824	6174
UN64461	Rsa1.0.01491.1	818	44718	0	797	819	97 -	2	815	20062	20880
UN64462	Rsa1.0.00383.1	823	398431	1.00E-136	261	266	98 +	155	420	1568	1833
UN64463	Rsa1.0.02178.1	791	156197	0	488	503	97 -	64	566	1510	2012
UN64464	Rsa1.0.00779.1	759	64568	0	483	507	95 -	245	748	51428	51934
UN64465	Rsa1.0.00131.1	747	432233	0	457	482	94 -	261	732	250691	251170

UN64466	Rsa1.0.01539.1	615	43698	2.00E-94	185	188	98 -	3	190	6459	6646
UN64467	Rsa1.0.00496.1	667	79834	0	336	340	98 +	324	663	39325	39664
UN64468	Rsa1.0.00034.1	807	260119	0	408	419	97 +	2	419	66754	67172
UN64469	Rsa1.0.00195.1	658	251884	1.00E-109	245	262	93 +	391	652	83583	83833
UN64470	Rsa1.0.00047.1	710	168582	1.00E-128	302	322	93 +	4	314	118640	118961
UN64471	Rsa1.0.00075.1	606	146680	0	596	609	97 +	3	606	117258	117865
UN64472	Rsa1.0.00211.1	503	228189	5.00E-85	181	188	96 -	42	229	143762	143949
UN64473	Rsa1.0.04989.1	603	15217	1.00E-128	284	303	93 +	301	603	2481	2767
UN64474	Rsa1.0.75375.1	769	304	1.00E-120	223	224	99 +	1	224	81	304
UN64475	Rsa1.0.09470.1	662	6345	0	488	490	99 +	2	491	5268	5757
UN64476	Rsa1.0.05141.1	403	14710	1.00E-109	208	209	99 -	196	403	5515	5723
UN64477	Rsa1.0.14845.1	481	3019	0	445	470	94 -	6	475	2052	2520
UN64478	Rsa1.0.00881.1	800	61260	0	370	381	97 -	100	477	2549	2929
UN64479	Rsa1.0.00991.1	806	143101	0	455	471	96 +	2	468	133487	133957
UN64480	Rsa1.0.00337.1	521	143174	1.00E-100	204	209	97 -	217	425	141486	141693
UN64481	Rsa1.0.00615.1	607	72235	1.00E-149	310	324	95 +	142	465	25401	25724
UN64482	Rsa1.0.28117.1	284	827	1.00E-128	274	286	95 +	3	284	474	759
UN64483	Rsa1.0.00071.1	536	345714	1.00E-140	265	269	98 +	2	270	101619	101887
UN64484	Rsa1.0.01410.1	204	46345	2.00E-75	199	222	89 +	1	204	31376	31597
UN64485	Rsa1.0.00095.1	284	283384	2.00E-70	173	185	93 -	81	265	29791	29972
UN64486	Rsa1.0.00172.1	619	115476	1.00E-179	345	354	97 -	264	617	33	386
UN64487	Rsa1.0.00078.1	621	175053	2.00E-87	198	206	96 -	418	619	40609	40813
UN64488	Rsa1.0.02969.1	416	26390	3.00E-33	76	77	98 +	335	411	12164	12240
UN64489	Rsa1.0.00473.1	316	212204	3.00E-85	210	220	95 +	1	215	76480	76699
UN64490	Rsa1.0.14011.1	269	3920	3.00E-35	85	88	96 -	180	267	3833	3920
UN64491	Rsa1.0.00048.1	395	167185	1.00E-114	305	334	91 -	7	335	76604	76927
UN64492	Rsa1.0.03162.1	290	24895	3.00E-57	134	141	95 +	3	143	21649	21789
UN64493	Rsa1.0.71734.1	287	319	1.00E-56	124	128	96 +	157	284	105	232
UN64494	Rsa1.0.04139.1	686	18883	1.00E-64	165	176	93 +	3	177	14158	14330
UN64495	Rsa1.0.00545.1	515	189649	0	498	514	96 -	2	515	44711	45223
UN64496	Rsa1.0.00017.1	470	752458	7.00E-93	209	220	95 +	256	470	314371	314588
UN64497	Rsa1.0.05878.1	287	12344	3.00E-94	205	214	95 -	24	235	2128	2341
UN64498	Rsa1.0.00742.1	483	66106	1.00E-173	401	427	93 +	63	483	15643	16066
UN64499	Rsa1.0.00419.1	597	86562	2.00E-93	224	243	92 -	319	561	46390	46620
UN64500	Rsa1.0.00139.1	535	357786	1.00E-101	205	211	97 +	129	339	38121	38331
UN64501	Rsa1.0.02375.1	101	32026	4.00E-23	89	99	89 +	3	101	28547	28644
UN64502	Rsa1.0.00097.1	815	138858	3.00E-90	172	173	99 -	313	485	74797	74969
UN64503	Rsa1.0.10000.1	750	6043	2.00E-91	236	255	92 +	491	743	3678	3932
UN64504	Rsa1.0.00378.1	663	89892	1.00E-163	341	357	95 -	159	512	64565	64921

UN64505	Rsa1.0.00069.1	781	403561	0	610	641	95 +	2	630	78939	79579
UN64506	Rsa1.0.00894.1	794	269700	1.00E-108	215	219	98 -	545	762	24277	24495
UN64507	Rsa1.0.00205.1	788	193401	1.00E-102	231	242	95 -	531	769	14481	14714
UN64508	Rsa1.0.00235.1	762	154696	0	426	456	93 +	213	668	139087	139542
UN64509	Rsa1.0.46690.1	532	484	3.00E-89	278	317	87 -	78	383	4	320
UN64510	Rsa1.0.02254.1	749	33344	1.00E-102	281	309	90 +	453	749	4758	5066
UN64511	Rsa1.0.01335.1	638	47894	4.00E-61	139	145	95 -	3	147	4212	4352
UN64512	Rsa1.0.00114.1	793	131330	1.00E-125	271	283	95 -	5	287	31129	31404
UN64513	Rsa1.0.03940.1	708	19962	0	409	435	94 +	25	452	13	447
UN64514	Rsa1.0.00136.1	774	122464	0	576	596	96 -	49	644	115441	116036
UN64515	Rsa1.0.02872.1	685	27080	6.00E-79	153	154	99 -	532	685	9316	9469
UN64516	Rsa1.0.04970.1	777	15277	1.00E-113	237	243	97 +	512	751	662	904
UN64517	Rsa1.0.00476.1	719	280966	0	675	724	93 +	3	719	144705	145403
UN64518	Rsa1.0.02918.1	824	26797	0	665	696	95 -	20	697	13930	14621
UN64519	Rsa1.0.08327.1	746	7534	0	475	516	92 +	7	520	6589	7095
UN64520	Rsa1.0.02394.1	694	31789	9.00E-38	111	120	92 -	340	459	5749	5866
UN64521	Rsa1.0.03550.1	753	22154	1.00E-128	281	295	95 -	3	294	6701	6995
UN64522	Rsa1.0.00501.1	687	79545	0	431	445	96 +	73	517	18563	19004
UN64523	Rsa1.0.00557.1	738	75865	1.00E-138	304	321	94 +	25	339	74489	74809
UN64524	Rsa1.0.01405.1	629	46445	1.00E-175	350	363	96 +	121	483	7776	8138
UN64525	Rsa1.0.17699.1	801	1763	1.00E-111	248	261	95 +	3	258	1238	1498
UN64526	Rsa1.0.00070.1	793	150321	0	708	749	94 +	24	754	53681	54423
UN64527	Rsa1.0.03422.1	665	23076	3.00E-65	142	147	96 +	235	381	5908	6054
UN64528	Rsa1.0.00978.1	467	57739	7.00E-56	120	122	98 -	3	124	4434	4553
UN64529	Rsa1.0.01279.1	779	180330	0	738	760	97 +	8	763	27086	27838
UN64530	Rsa1.0.00295.1	627	152597	1.00E-128	283	295	95 +	300	591	84040	84332
UN64531	Rsa1.0.00473.1	791	212204	3.00E-75	159	164	96 -	456	619	72475	72638
UN64532	Rsa1.0.00484.1	612	203294	2.00E-91	186	191	97 -	22	212	144609	144799
UN64533	Rsa1.0.00772.1	771	64856	2.00E-85	173	177	97 -	145	321	48223	48399
UN64534	Rsa1.0.00292.1	660	98141	5.00E-33	100	109	91 +	552	660	8775	8883
UN64535	Rsa1.0.02564.1	782	30047	1.00E-122	285	297	95 -	495	782	5643	5939
UN64536	Rsa1.0.01524.1	463	43949	5.00E-20	126	151	83 -	90	240	43289	43439
UN64537	Rsa1.0.00882.1	792	61249	0	437	449	97 +	315	760	14747	15192
UN64538	Rsa1.0.00926.1	657	195072	1.00E-174	354	367	96 +	134	500	35123	35485
UN64539	Rsa1.0.02113.1	735	34890	0	576	582	98 +	156	735	22921	23502
UN64540	Rsa1.0.00476.1	797	280966	5.00E-92	198	204	97 -	3	206	239317	239518
UN64541	Rsa1.0.04022.1	811	19534	1.00E-64	126	126	100 +	346	471	5694	5819
UN64542	Rsa1.0.00224.1	818	327530	6.00E-73	155	160	96 -	3	162	224639	224798
UN64543	Rsa1.0.00079.1	805	606987	0	662	722	91 -	2	700	41618	42331

UN64544	Rsa1.0.00088.1	727	141341	2.00E-76	155	158	98 +	51	208	11582	11739
UN64545	Rsa1.0.00382.1	759	251946	0	727	756	96 -	4	757	108843	109598
UN64546	Rsa1.0.01104.1	803	285480	1.00E-137	314	331	94 -	443	769	264418	264748
UN64547	Rsa1.0.01318.1	741	48275	0	662	750	88 +	10	741	29740	30476
UN64548	Rsa1.0.02360.1	624	32203	1.00E-121	238	244	97 -	374	617	24288	24531
UN64549	Rsa1.0.20750.1	656	1273	0	590	615	95 +	5	618	512	1119
UN64550	Rsa1.0.02289.1	273	32981	7.00E-61	125	127	98 -	109	235	27244	27370
UN64551	Rsa1.0.04231.1	597	18380	2.00E-19	66	70	94 -	24	93	9311	9379
UN64552	Rsa1.0.06748.1	750	10423	4.00E-77	165	171	96 -	158	328	1155	1325
UN64553	Rsa1.0.03277.1	240	24138	7.00E-67	141	145	97 +	90	234	13187	13331
UN64554	Rsa1.0.00100.1	664	249232	0	481	505	95 +	38	542	229324	229828
UN64555	Rsa1.0.00128.1	632	228675	1.00E-174	380	404	94 +	12	415	9277	9674
UN64556	Rsa1.0.02061.1	608	35487	0	470	487	96 -	2	483	3514	4000
UN64557	Rsa1.0.01092.1	584	54348	5.00E-82	174	179	97 +	155	332	52547	52725
UN64558	Rsa1.0.00425.1	741	147080	0	363	374	97 -	53	426	116284	116654
UN64559	Rsa1.0.02319.1	267	32580	2.00E-67	181	192	94 +	79	267	15721	15908
UN64560	Rsa1.0.00178.1	672	114861	1.00E-110	285	312	91 +	242	538	4955	5263
UN64561	Rsa1.0.00180.1	688	114581	1.00E-83	223	249	89 -	230	460	9528	9776
UN64562	Rsa1.0.01205.1	645	50795	1.00E-145	271	273	99 -	155	427	25499	25770
UN64563	Rsa1.0.00381.1	257	89718	1.00E-68	145	148	97 +	33	180	45306	45452
UN64564	Rsa1.0.00339.1	473	222974	0	457	472	96 +	2	473	4343	4814
UN64565	Rsa1.0.01046.1	452	152989	3.00E-49	125	132	94 -	1	132	129093	129223
UN64566	Rsa1.0.00237.1	578	235974	0	568	578	98 +	2	578	69872	70449
UN64567	Rsa1.0.01679.1	262	146876	6.00E-52	116	120	96 -	4	123	137496	137615
UN64568	Rsa1.0.01081.1	348	499226	7.00E-71	175	188	93 +	2	189	457883	458070
UN64569	Rsa1.0.00149.1	378	305196	1.00E-106	208	212	98 -	10	221	27276	27487
UN64570	Rsa1.0.00299.1	591	97770	1.00E-131	240	241	99 -	240	480	44164	44404
UN64571	Rsa1.0.01749.1	349	39822	1.00E-127	280	291	96 +	54	340	32662	32952
UN64572	Rsa1.0.00749.1	585	65933	0	540	563	95 -	30	585	44873	45434
UN64573	Rsa1.0.00556.1	696	207212	1.00E-157	342	363	94 -	346	696	30691	31053
UN64574	Rsa1.0.09336.1	699	6447	1.00E-128	235	236	99 +	308	543	288	523
UN64575	Rsa1.0.03303.1	294	23890	1.00E-50	118	122	96 +	100	220	3537	3658
UN64576	Rsa1.0.08776.1	768	6932	1.00E-131	244	246	99 +	106	351	1747	1992
UN64577	Rsa1.0.00980.1	488	57729	1.00E-100	204	210	97 -	250	459	27619	27828
UN64578	Rsa1.0.00124.1	669	262503	1.00E-110	224	231	96 +	390	620	89705	89935
UN64579	Rsa1.0.01788.1	246	39296	6.00E-95	192	196	97 -	4	198	26403	26598
UN64580	Rsa1.0.00848.1	136	152362	2.00E-25	79	83	95 -	56	136	40927	41009
UN64581	Rsa1.0.03009.1	172	26065	2.00E-41	95	98	96 +	75	172	6299	6396
UN64582	Rsa1.0.00235.1	583	154696	1.00E-109	231	241	95 +	3	243	141278	141518

UN64583	Rsa1.0.00182.1	490	142305	1.00E-176	382	401	95 +	90	490	94512	94904
UN64584	Rsa1.0.00278.1	308	231896	1.00E-158	303	307	98 -	2	306	18063	18369
UN64585	Rsa1.0.46474.1	726	486	2.00E-78	155	157	98 +	230	386	330	486
UN64586	Rsa1.0.02346.1	680	32337	1.00E-138	271	278	97 +	2	279	1725	2002
UN64587	Rsa1.0.00064.1	161	240927	2.00E-66	159	164	96 +	1	161	1033	1195
UN64588	Rsa1.0.00316.1	257	96264	1.00E-101	224	235	95 -	20	253	85794	86028
UN64589	Rsa1.0.01973.1	657	36598	1.00E-98	192	195	98 -	357	551	31386	31580
UN64590	Rsa1.0.00203.1	301	109129	2.00E-55	131	138	94 +	164	301	21777	21914
UN64591	Rsa1.0.03237.1	435	24434	1.00E-81	178	186	95 -	1	186	6501	6686
UN64592	Rsa1.0.00923.1	283	153678	1.00E-149	279	283	98 -	1	283	23790	24072
UN64593	Rsa1.0.01266.1	516	49680	0	493	518	95 +	2	516	5555	6072
UN64594	Rsa1.0.00037.1	631	307838	1.00E-134	292	308	94 +	2	309	22466	22770
UN64595	Rsa1.0.05570.1	634	13301	1.00E-155	369	392	94 -	247	634	6878	7266
UN64596	Rsa1.0.22459.1	760	1119	8.00E-97	189	191	98 +	3	193	44	232
UN64597	Rsa1.0.01453.1	678	45449	1.00E-168	352	369	95 +	9	373	25082	25450
UN64598	Rsa1.0.01042.1	260	293264	3.00E-97	207	216	95 -	43	258	141786	142001
UN64599	Rsa1.0.00146.1	617	149343	0	515	550	93 -	51	595	54001	54543
UN64600	Rsa1.0.00002.1	633	601661	1.00E-170	350	365	95 +	242	606	289594	289955
UN64601	Rsa1.0.00738.1	333	66322	1.00E-22	82	90	91 -	147	234	6583	6672
UN64602	Rsa1.0.00566.1	418	75325	1.00E-151	382	421	90 +	2	418	26366	26770
UN64603	Rsa1.0.00059.1	522	159650	0	501	521	96 -	2	522	137816	138336
UN64604	Rsa1.0.03257.1	417	24305	5.00E-63	145	151	96 -	3	152	15760	15910
UN64605	Rsa1.0.01203.1	200	50848	2.00E-38	97	101	96 -	44	143	50748	50848
UN64606	Rsa1.0.03465.1	574	22700	0	432	466	92 -	110	574	17092	17545
UN64607	Rsa1.0.05015.1	145	15125	2.00E-62	139	145	95 -	1	145	9728	9872
UN64608	Rsa1.0.08170.1	665	7799	0	634	659	96 -	1	659	1846	2504
UN64609	Rsa1.0.00020.1	630	283099	0	504	524	96 -	110	630	95757	96280
UN64610	Rsa1.0.20346.1	606	1314	2.00E-97	239	254	94 -	3	250	202	454
UN64611	Rsa1.0.00545.1	612	189649	1.00E-110	225	230	97 -	12	240	61983	62211
UN64612	Rsa1.0.00254.1	560	102600	1.00E-105	227	236	96 -	65	296	85303	85538
UN64613	Rsa1.0.00134.1	672	390219	1.00E-134	327	355	92 -	261	609	374726	375071
UN64614	Rsa1.0.00120.1	455	277288	0	377	393	95 -	19	411	96123	96513
UN64615	Rsa1.0.04223.1	249	18407	1.00E-114	238	248	95 -	2	249	7795	8042
UN64616	Rsa1.0.00806.1	378	63674	4.00E-69	151	157	96 +	139	295	19736	19892
UN64617	Rsa1.0.05818.1	129	12544	2.00E-44	124	130	95 +	4	129	6713	6841
UN64618	Rsa1.0.00414.1	611	202190	0	441	462	95 -	4	465	201313	201774
UN64619	Rsa1.0.02503.1	372	30709	6.00E-99	256	272	94 +	111	372	9307	9578
UN64620	Rsa1.0.01526.1	593	43919	0	573	591	96 -	3	593	23871	24461
UN64621	Rsa1.0.02528.1	662	30452	1.00E-171	366	387	94 +	2	379	18557	18940

UN64622	Rsa1.0_14089.1	582	3820	0	556	579	96 -	6	582	1920	2493
UN64623	Rsa1.0_00951.1	697	164588	0	665	694	95 +	4	697	7080	7773
UN64624	Rsa1.0_00141.1	647	121494	1.00E-174	351	365	96 -	113	477	32098	32462
UN64625	Rsa1.0_00456.1	679	82826	0	493	518	95 +	3	510	17146	17658
UN64626	Rsa1.0_00197.1	722	109714	0	560	574	97 +	3	576	22536	23109
UN64627	Rsa1.0_08045.1	775	8014	9.00E-66	145	148	97 -	571	716	5973	6120
UN64628	Rsa1.0_01167.1	681	51859	0	647	691	93 -	2	681	48998	49671
UN64629	Rsa1.0_02343.1	803	32374	4.00E-68	259	296	87 +	6	291	17189	17480
UN64630	Rsa1.0_01806.1	599	39021	0	580	602	96 -	1	599	32649	33250
UN64631	Rsa1.0_00568.1	756	75219	1.00E-159	308	316	97 +	256	571	4251	4566
UN64632	Rsa1.0_01090.1	724	54385	1.00E-92	313	362	86 +	253	583	27546	27901
UN64633	Rsa1.0_00313.1	672	96745	1.00E-155	340	357	95 -	3	357	82318	82673
UN64634	Rsa1.0_00737.1	769	66432	3.00E-96	206	215	95 -	19	233	16216	16430
UN64635	Rsa1.0_02178.1	729	156197	0	448	458	97 -	104	561	12724	13181
UN64636	Rsa1.0_00626.1	538	71582	1.00E-169	351	366	95 +	176	538	53383	53746
UN64637	Rsa1.0_03215.1	654	24551	1.00E-70	136	136	100 -	304	439	6426	6561
UN64638	Rsa1.0_00108.1	702	478491	0	420	436	96 -	36	471	460361	460796
UN64639	Rsa1.0_00352.1	767	92266	1.00E-120	369	419	88 -	5	423	76865	77283
UN64640	Rsa1.0_00054.1	631	162053	1.00E-110	215	218	98 -	410	626	86607	86824
UN64641	Rsa1.0_00848.1	781	152362	9.00E-66	149	156	95 +	65	220	36481	36636
UN64642	Rsa1.0_00145.1	559	261008	1.00E-116	234	241	97 -	234	474	96824	97064
UN64643	Rsa1.0_00384.1	596	89278	0	545	577	94 -	1	571	27384	27955
UN64644	Rsa1.0_02550.1	778	291051	1.00E-129	303	322	94 +	101	415	4853	5173
UN64645	Rsa1.0_07408.1	670	9445	0	377	379	99 -	3	381	4561	4939
UN64646	Rsa1.0_02922.1	514	26753	0	403	419	96 +	96	514	1658	2070
UN64647	Rsa1.0_00827.1	586	62790	9.00E-93	206	217	94 -	172	388	59904	60120
UN64648	Rsa1.0_02811.1	212	27669	1.00E-67	130	130	100 +	50	179	25031	25160
UN64649	Rsa1.0_06206.1	226	11494	1.00E-65	139	143	97 -	4	146	10065	10207
UN64650	Rsa1.0_02158.1	748	154841	0	510	526	96 +	145	670	131891	132416
UN64651	Rsa1.0_04670.1	796	16453	1.00E-134	272	282	96 +	3	284	3403	3684
UN64652	Rsa1.0_06362.1	669	11154	2.00E-51	107	108	99 -	212	319	7399	7506
UN64653	Rsa1.0_00284.1	713	323267	6.00E-76	193	205	94 +	514	713	294163	294364
UN64654	Rsa1.0_00896.1	652	60509	1.00E-147	279	284	98 +	107	390	16503	16786
UN64655	Rsa1.0_00051.1	446	258225	0	387	395	97 +	2	395	53855	54248
UN64656	Rsa1.0_00734.1	706	66508	1.00E-111	247	259	95 +	3	260	53635	53891
UN64657	Rsa1.0_05701.1	809	12884	0	514	548	93 -	199	738	12329	12871
UN64658	Rsa1.0_05708.1	781	12871	0	639	662	96 -	3	655	11146	11807
UN64659	Rsa1.0_07601.1	200	9051	5.00E-95	194	200	97 +	1	200	767	966
UN64660	Rsa1.0_00100.1	581	249232	0	577	579	99 -	3	581	40973	41551

UN64661	Rsa1.0.00121.1	132	278029	2.00E-34	87	90	96 -	36	124	60381	60470
UN64662	Rsa1.0.01955.1	719	36850	1.00E-114	225	230	97 -	8	237	17248	17477
UN64663	Rsa1.0.01005.1	755	56967	1.00E-125	259	268	96 -	445	711	5859	6126
UN64664	Rsa1.0.04179.1	389	18633	5.00E-78	230	255	90 +	97	350	17069	17316
UN64665	Rsa1.0.04355.1	621	146733	0	335	337	99 +	3	339	9104	9440
UN64666	Rsa1.0.00134.1	777	390219	0	420	439	95 -	231	666	45256	45694
UN64667	Rsa1.0.03808.1	641	20732	6.00E-54	184	208	88 -	210	416	5623	5830
UN64668	Rsa1.0.02070.1	759	158516	1.00E-101	203	208	97 -	8	215	10398	10605
UN64669	Rsa1.0.00087.1	765	761073	1.00E-106	239	250	95 +	519	764	182243	182492
UN64670	Rsa1.0.00123.1	689	325650	0	662	689	96 -	2	688	306633	307321
UN64671	Rsa1.0.00413.1	803	86921	0	719	752	95 +	1	742	4446	5197
UN64672	Rsa1.0.00009.1	125	232558	1.00E-41	110	118	93 +	8	125	10696	10813
UN64673	Rsa1.0.00396.1	168	88242	6.00E-14	40	40	100 +	93	132	20063	20102
UN64674	Rsa1.0.03439.1	602	22930	1.00E-131	264	271	97 +	337	602	21322	21592
UN64675	Rsa1.0.00180.1	715	114581	1.00E-116	237	245	96 +	3	247	38000	38244
UN64676	Rsa1.0.01580.1	633	42852	1.00E-116	231	237	97 +	397	633	30603	30839
UN64677	Rsa1.0.00743.1	647	177459	5.00E-70	170	181	93 -	272	452	159628	159805
UN64678	Rsa1.0.03860.1	669	20407	1.00E-159	311	319	97 -	230	548	17073	17388
UN64679	Rsa1.0.00369.1	677	266462	5.00E-36	255	314	81 -	272	585	132689	133002
UN64680	Rsa1.0.13143.1	703	4993	1.00E-147	273	276	98 -	218	493	3060	3335
UN64681	Rsa1.0.02348.1	127	32316	7.00E-50	120	126	95 +	2	127	18750	18872
UN64682	Rsa1.0.00695.1	722	68019	0	479	504	95 -	32	535	1892	2389
UN64683	Rsa1.0.00010.1	790	294827	1.00E-114	222	226	98 -	135	360	248372	248597
UN64684	Rsa1.0.02118.1	684	34839	1.00E-147	291	300	97 +	385	684	3249	3548
UN64685	Rsa1.0.00028.1	804	293984	0	648	692	93 -	15	701	72169	72843
UN64686	Rsa1.0.05421.1	772	13806	1.00E-113	238	248	95 -	271	518	8527	8774
UN64687	Rsa1.0.02377.1	776	31994	0	522	532	98 +	1	532	3656	4187
UN64688	Rsa1.0.03483.1	688	22621	1.00E-129	273	285	95 +	7	289	16864	17148
UN64689	Rsa1.0.14083.1	802	3824	0	525	540	97 +	198	735	3277	3816
UN64690	Rsa1.0.02282.1	714	163951	2.00E-94	200	208	96 +	503	710	150366	150573
UN64691	Rsa1.0.06887.1	682	10208	1.00E-115	238	247	96 +	219	465	4618	4864
UN64692	Rsa1.0.08744.1	684	6970	0	583	598	97 -	85	682	5340	5934
UN64693	Rsa1.0.04493.1	285	17137	4.00E-78	151	152	99 +	113	264	859	1010
UN64694	Rsa1.0.00301.1	681	365315	0	403	406	99 -	3	408	299676	300079
UN64695	Rsa1.0.00930.1	659	59224	2.00E-97	324	368	88 -	315	651	45093	45457
UN64696	Rsa1.0.00068.1	776	151813	0	649	696	93 +	1	681	42912	43603
UN64697	Rsa1.0.02142.1	755	34633	1.00E-163	346	364	95 -	261	621	27753	28110
UN64698	Rsa1.0.00035.1	451	176449	1.00E-145	316	332	95 -	127	451	111375	111706
UN64699	Rsa1.0.00664.1	629	69573	0	462	478	96 -	3	476	43166	43643

UN64700	Rsa1.0.00409.1	767	146788	1.00E-101	205	211	97 +	501	711	95483	95693
UN64701	Rsa1.0.00585.1	772	74164	0	735	772	95 +	3	771	39240	40008
UN64702	Rsa1.0.00177.1	781	143394	6.00E-70	416	506	82 -	249	741	87483	87977
UN64703	Rsa1.0.03148.1	191	24989	3.00E-47	105	108	97 +	2	109	8364	8471
UN64704	Rsa1.0_12060.1	749	5328	1.00E-103	235	250	94 -	5	254	97	346
UN64705	Rsa1.0_02030.1	633	179909	0	609	633	96 +	1	633	163135	163765
UN64706	Rsa1.0.00175.1	415	166121	0	393	410	95 +	7	415	42145	42554
UN64707	Rsa1.0.02197.1	659	33996	1.00E-100	198	202	98 -	194	395	4507	4708
UN64708	Rsa1.0.00090.1	151	273859	3.00E-68	143	147	97 -	2	148	187644	187790
UN64709	Rsa1.0.00065.1	657	454616	1.00E-176	371	388	95 +	5	388	417289	417667
UN64710	Rsa1.0.00816.1	200	403350	2.00E-75	164	171	95 +	1	171	390262	390432
UN64711	Rsa1.0.01043.1	153	55893	1.00E-76	151	153	98 +	1	153	55521	55673
UN64712	Rsa1.0.04181.1	665	18615	0	386	394	97 -	162	555	936	1329
UN64713	Rsa1.0.01660.1	553	41400	0	513	514	99 -	1	514	30402	30915
UN64714	Rsa1.0.02694.1	805	28610	0	498	518	96 -	282	798	11189	11701
UN64715	Rsa1.0.00197.1	405	109714	1.00E-103	217	225	96 +	4	228	2488	2709
UN64716	Rsa1.0.01145.1	101	149247	1.00E-32	80	83	96 +	6	88	123249	123331
UN64717	Rsa1.0.02036.1	617	35731	1.00E-30	99	109	90 +	62	170	5128	5236
UN64718	Rsa1.0.00825.1	699	62855	0	496	519	95 -	48	566	10756	11272
UN64719	Rsa1.0.03639.1	329	21629	5.00E-96	240	256	93 +	2	248	2035	2288
UN64720	Rsa1.0.00954.1	659	189536	1.00E-103	226	239	94 -	1	239	7992	8222
UN64721	Rsa1.0.10890.1	597	5688	0	569	595	95 -	5	597	260	852
UN64722	Rsa1.0.03627.1	549	21658	0	415	419	99 -	1	418	8013	8431
UN64723	Rsa1.0.07829.1	194	8462	1.00E-24	151	184	82 -	12	190	4794	4961
UN64724	Rsa1.0.08326.1	673	7534	0	642	672	95 +	5	673	2477	3146
UN64725	Rsa1.0.00301.1	856	365315	1.00E-101	245	260	94 -	8	265	361634	361883
UN64726	Rsa1.0.04520.1	652	16995	0	470	505	93 -	2	494	9371	9869
UN64727	Rsa1.0.10875.1	457	5693	0	437	456	95 -	1	455	1476	1931
UN64728	Rsa1.0.05004.1	561	15172	1.00E-98	201	207	97 -	201	407	13090	13296
UN64729	Rsa1.0.04271.1	372	18148	2.33E-156	358	397	90 -	8	372	15370	15766
UN64730	Rsa1.0.20024.1	622	1351	2.00E-38	155	178	87 -	2	179	56	232
UN64731	Rsa1.0.00732.1	532	66631	1.00E-144	309	324	95 +	4	327	1801	2123
UN64732	Rsa1.0.01838.1	686	38500	1.00E-67	213	241	88 -	158	395	27397	27628
UN64733	Rsa1.0.01031.1	151	56236	1.00E-27	72	75	96 +	30	104	5392	5466
UN64734	Rsa1.0.01917.1	548	37303	0	397	410	96 +	1	410	10142	10547
UN64735	Rsa1.0.04838.1	609	15762	1.00E-125	266	278	95 -	1	276	4578	4855
UN64736	Rsa1.0.00502.1	318	204180	8.00E-95	212	224	94 -	93	316	71580	71803
UN64737	Rsa1.0.05428.1	861	13789	0	660	664	99 +	2	665	415	1078
UN64738	Rsa1.0.09637.1	805	6240	0	691	770	89 +	3	768	4952	5719

UN64739	Rsa1.0.00558.1	856	75819	0	588	600	98 -	258	856	28223	28822
UN64740	Rsa1.0.00047.1	107	168582	1.00E-32	89	95	93 -	13	107	99539	99633
UN64741	Rsa1.0.00069.1	473	403561	1.00E-150	370	401	92 +	1	400	187716	188105
UN64742	Rsa1.0.01006.1	739	163670	0	460	474	97 +	95	566	25655	26128
UN64743	Rsa1.0.01015.1	698	56752	0	436	444	98 -	2	445	36966	37409
UN64744	Rsa1.0.02570.1	695	30000	3.00E-90	203	213	95 +	12	224	2286	2497
UN64745	Rsa1.0.02772.1	657	28047	1.00E-153	281	283	99 +	3	285	22681	22963
UN64746	Rsa1.0.00482.1	321	81162	1.00E-140	301	318	94 -	4	321	20317	20627
UN64747	Rsa1.0.05643.1	554	13065	1.00E-175	398	421	94 +	29	443	2375	2793
UN64748	Rsa1.0.00131.1	647	432233	1.00E-128	291	309	94 -	1	307	11596	11896
UN64749	Rsa1.0.00066.1	485	152418	1.00E-111	247	260	95 -	17	273	66544	66800
UN64750	Rsa1.0.00668.1	699	69421	0	452	468	96 +	5	472	23971	24437
UN64751	Rsa1.0.05221.1	356	14452	4.00E-60	136	142	95 -	133	274	8282	8423
UN64752	Rsa1.0.01965.1	710	36698	1.00E-175	333	340	97 -	371	710	17208	17547
UN64753	Rsa1.0.08039.1	757	8030	0	427	434	98 -	324	757	3238	3671
UN64754	Rsa1.0.10873.1	837	5694	1.00E-74	155	159	97 -	247	405	515	673
UN64755	Rsa1.0.49874.1	815	455	0	363	370	98 +	441	809	1	370
UN64756	Rsa1.0.01658.1	790	41414	1.00E-165	566	654	86 +	109	762	19535	20185
UN64757	Rsa1.0.02777.1	456	27986	1.00E-125	272	285	95 +	4	284	23982	24266
UN64758	Rsa1.0.01104.1	697	285480	1.00E-112	214	217	98 -	170	386	268402	268618
UN64759	Rsa1.0.05271.1	130	14306	1.00E-42	113	120	94 -	11	130	10538	10656
UN64760	Rsa1.0.00621.1	583	71840	1.00E-122	266	281	94 -	218	498	50769	51043
UN64761	Rsa1.0.00201.1	180	232851	5.00E-73	163	171	95 +	10	180	129834	130004
UN64762	Rsa1.0.00306.1	634	146760	0	455	472	96 -	1	470	126933	127397
UN64763	Rsa1.0.07152.1	362	9815	0	357	363	98 -	1	362	1937	2299
UN64764	Rsa1.0.00204.1	632	109056	0	604	644	93 -	3	632	97209	97847
UN64765	Rsa1.0.01505.1	197	44382	4.00E-86	189	196	96 -	3	197	38989	39182
UN64766	Rsa1.0.10212.1	487	5941	0	461	487	94 +	3	487	4815	5295
UN64767	Rsa1.0.00628.1	129	214360	1.00E-38	117	128	91 -	1	126	184229	184356
UN64768	Rsa1.0.03201.1	625	157656	0	612	625	97 -	1	625	17445	18069
UN64769	Rsa1.0.02975.1	152	26322	1.00E-17	55	58	94 -	87	144	22582	22639
UN64770	Rsa1.0.00254.1	466	102600	3.00E-58	193	219	88 -	72	276	26720	26932
UN64771	Rsa1.0.00141.1	231	121494	3.00E-66	208	238	87 +	1	228	29528	29750
UN64772	Rsa1.0.07397.1	605	9464	1.00E-111	240	252	95 -	1	252	3341	3587
UN64773	Rsa1.0.00623.1	660	207630	0	328	329	99 -	1	329	140372	140700
UN64774	Rsa1.0.00668.1	874	69421	1.00E-157	296	301	98 -	254	554	30663	30963
UN64775	Rsa1.0.15241.1	716	2734	1.00E-171	419	458	91 -	41	480	1	458
UN64776	Rsa1.0.00092.1	804	659932	4.00E-74	192	208	92 +	469	676	170161	170365
UN64777	Rsa1.0.00194.1	250	110851	6.00E-58	220	250	88 -	2	250	13369	13610

UN64778	Rsa1.0.01695.1	591	40848	1.00E-170	355	371	95 -	3	373	8401	8770
UN64779	Rsa1.0.00023.1	753	194764	0	374	387	96 -	369	743	96929	97315
UN64780	Rsa1.0.62560.1	805	367	1.00E-161	326	339	96 -	1	328	1	339
UN64781	Rsa1.0.00844.1	429	62403	1.00E-108	201	202	99 -	1	202	55968	56169
UN64782	Rsa1.0.01039.1	651	55946	1.00E-122	241	246	97 -	5	249	15892	16137
UN64783	Rsa1.0.01532.1	717	43767	0	687	717	95 +	1	717	6615	7330
UN64784	Rsa1.0.00543.1	339	76788	2.00E-89	255	281	90 -	3	268	15651	15931
UN64785	Rsa1.0.01148.1	731	52375	0	554	574	96 +	20	583	46407	46978
UN64786	Rsa1.0.00296.1	224	97854	7.00E-76	200	216	92 +	11	224	44681	44896
UN64787	Rsa1.0.01745.1	730	39905	1.00E-127	300	321	93 -	1	320	552	864
UN64788	Rsa1.0.04223.1	486	18407	0	390	399	97 -	1	398	6198	6596
UN64789	Rsa1.0.01540.1	341	151890	9.00E-64	291	344	84 -	3	332	125801	126136
UN64790	Rsa1.0.00101.1	450	267193	3.00E-64	131	133	98 +	226	358	258205	258337
UN64791	Rsa1.0.02401.1	780	138425	5.00E-98	191	194	98 -	513	706	20633	20826
UN64792	Rsa1.0.02688.1	423	28644	0	399	414	96 +	6	417	16133	16546
UN64793	Rsa1.0.02358.1	754	32213	0	733	755	97 -	1	754	5427	6181
UN64794	Rsa1.0.15775.1	827	2429	9.00E-97	199	204	97 -	14	216	1520	1723
UN64795	Rsa1.0.00303.1	629	97468	0	588	632	93 -	1	629	6912	7533
UN64796	Rsa1.0.00517.1	694	142790	1.00E-172	345	354	97 -	1	353	126290	126640
UN64797	Rsa1.0.17012.1	806	1953	0	677	704	96 +	103	806	966	1666
UN64798	Rsa1.0.01357.1	733	47280	1.00E-104	229	237	96 +	1	236	697	931
UN64799	Rsa1.0.00387.1	579	495407	1.00E-117	289	308	93 -	11	314	385962	386266
UN64800	Rsa1.0.19308.1	717	1449	0	688	719	95 +	3	717	515	1227
UN64801	Rsa1.0.00959.1	718	58202	1.00E-173	405	435	93 +	9	441	47003	47436
UN64802	Rsa1.0.12370.1	589	5243	0	519	540	96 -	2	537	878	1417
UN64803	Rsa1.0.00281.1	731	99908	1.00E-124	276	292	94 +	1	289	82502	82793
UN64804	Rsa1.0.01789.1	260	39250	2.00E-92	238	259	91 -	4	260	19919	20177
UN64805	Rsa1.0.00070.1	781	150321	0	491	517	94 -	1	514	35896	36412
UN64806	Rsa1.0.00111.1	161	390088	7.00E-72	155	161	96 -	1	161	75789	75949
UN64807	Rsa1.0.00050.1	565	237174	0	516	521	99 -	5	525	195082	195601
UN64808	Rsa1.0.01115.1	681	183545	1.00E-121	307	330	93 -	3	327	4207	4533
UN64809	Rsa1.0.00279.1	306	100039	2.00E-89	274	310	88 -	8	306	5530	5829
UN64810	Rsa1.0.00412.1	777	86935	1.00E-125	269	283	95 -	1	283	49294	49576
UN64811	Rsa1.0.00382.1	748	251946	0	438	453	96 -	13	458	107858	108310
UN64812	Rsa1.0.01434.1	796	45951	1.00E-133	259	264	98 +	1	262	45525	45788
UN64813	Rsa1.0.05660.1	439	13012	1.00E-125	251	259	96 +	181	439	4121	4379
UN64814	Rsa1.0.00630.1	602	71281	1.00E-162	324	334	97 +	15	347	61075	61408
UN64815	Rsa1.0.00844.1	445	62403	1.00E-137	275	284	96 +	1	284	19644	19922
UN64816	Rsa1.0.05073.1	154	14925	2.00E-28	79	84	94 -	1	84	5489	5572

UN64817	Rsa1.0.02506.1	663	30700	1.00E-132	287	304	94 +	1	304	5829	6119
UN64818	Rsa1.0.00134.1	240	390219	4.00E-68	158	167	94 +	1	167	22003	22169
UN64819	Rsa1.0.06287.1	695	11303	1.00E-174	355	370	95 +	82	451	6397	6766
UN64820	Rsa1.0.00094.1	665	139042	0	458	483	94 +	1	481	60601	61075
UN64821	Rsa1.0.00022.1	538	200461	1.00E-143	300	314	95 -	221	534	23737	24050
UN64822	Rsa1.0.00923.1	105	153678	4.00E-26	90	100	90 +	6	105	152610	152709
UN64823	Rsa1.0.00455.1	700	224823	0	435	444	97 +	1	444	145715	146156
UN64824	Rsa1.0.02528.1	328	30452	1.00E-110	226	234	96 -	1	234	5297	5530
UN64825	Rsa1.0.05119.1	816	14795	1.00E-156	366	395	92 -	104	498	9237	9631
UN64826	Rsa1.0.00341.1	460	249309	1.00E-104	246	261	94 +	1	258	109980	110237
UN64827	Rsa1.0.10460.1	533	5842	0	436	451	96 +	1	451	3653	4103
UN64828	Rsa1.0.03673.1	874	21448	0	478	492	97 +	19	507	4101	4589
UN64829	Rsa1.0.02377.1	103	31994	9.00E-21	90	103	87 -	1	103	10357	10459
UN64830	Rsa1.0.01310.1	716	164719	0	673	721	93 +	1	716	6026	6724
UN64831	Rsa1.0.00709.1	319	67329	1.00E-114	292	319	91 -	1	319	13849	14165
UN64832	Rsa1.0.04760.1	230	16105	7.00E-39	94	98	95 +	83	180	6389	6486
UN64833	Rsa1.0.01586.1	804	42804	2.00E-94	200	208	96 +	251	458	1769	1976
UN64834	Rsa1.0.13854.1	173	4197	1.00E-58	154	167	92 +	1	167	3760	3926
UN64835	Rsa1.0.00647.1	467	70440	1.00E-165	331	342	96 +	6	347	41513	41852
UN64836	Rsa1.0.00202.1	643	185895	0	494	520	95 +	127	643	145062	145571
UN64837	Rsa1.0.00128.1	673	228675	5.00E-61	120	120	100 +	355	474	151246	151365
UN64838	Rsa1.0.03394.1	402	23247	3.00E-67	142	146	97 +	187	332	1120	1265
UN64839	Rsa1.0.00332.1	584	94575	0	447	466	95 +	11	469	62061	62524
UN64840	Rsa1.0.00362.1	599	299497	0	584	600	97 -	1	599	296091	296690
UN64841	Rsa1.0.11007.1	248	5650	1.00E-113	237	247	95 -	2	248	538	784
UN64842	Rsa1.0.00417.1	635	395068	0	374	381	98 +	255	635	376217	376597
UN64843	Rsa1.0.01731.1	522	40208	0	460	481	95 -	3	483	19840	20312
UN64844	Rsa1.0.00063.1	240	156150	3.00E-41	114	122	93 +	1	121	68400	68521
UN64845	Rsa1.0.00407.1	448	191544	2.00E-68	147	152	96 -	218	369	29701	29852
UN64846	Rsa1.0.04862.1	665	15688	1.00E-161	303	308	98 +	1	308	2301	2608
UN64847	Rsa1.0.15566.1	725	2538	0	504	542	92 -	182	722	1349	1890
UN64848	Rsa1.0.05056.1	222	14981	3.00E-41	101	106	95 +	89	194	7499	7604
UN64849	Rsa1.0.03846.1	606	20481	1.00E-110	248	261	95 -	7	266	14496	14753
UN64850	Rsa1.0.04288.1	639	18077	0	413	415	99 +	1	415	6587	7001
UN64851	Rsa1.0.00205.1	569	193401	0	553	587	94 +	2	569	174524	175110
UN64852	Rsa1.0.00404.1	733	87635	0	729	733	99 -	1	733	61430	62162
UN64853	Rsa1.0.00676.1	730	69166	1.00E-140	364	399	91 +	4	383	53741	54139
UN64854	Rsa1.0.00811.1	729	63242	0	548	554	98 -	175	728	25226	25779
UN64855	Rsa1.0.00218.1	518	201480	1.00E-152	359	388	92 -	131	518	177302	177689

UN64856	Rsa1.0.00447.1	722	84051	1.00E-140	261	264	98 +	3	266	14972	15235
UN64857	Rsa1.0.07909.1	744	8315	0	441	454	97 -	237	690	5908	6361
UN64858	Rsa1.0.00398.1	705	88007	0	472	489	96 +	1	485	73680	74165
UN64859	Rsa1.0.00915.1	215	194446	1.00E-15	58	63	92 -	37	99	179114	179176
UN64860	Rsa1.0.00939.1	256	185227	4.00E-96	235	253	92 -	4	256	38037	38287
UN64861	Rsa1.0.00016.1	802	831256	4.00E-68	169	184	91 -	170	353	789687	789857
UN64862	Rsa1.0.00284.1	126	323267	1.00E-51	112	115	97 +	3	117	135300	135414
UN64863	Rsa1.0.00149.1	781	305196	0	398	414	96 +	2	410	26586	26998
UN64864	Rsa1.0.00130.1	713	125737	0	485	517	93 +	48	549	102324	102833
UN64865	Rsa1.0.03615.1	101	21766	3.00E-39	91	94	96 -	1	94	18024	18117
UN64866	Rsa1.0.01605.1	688	42442	0	651	651	100 -	3	653	33016	33666
UN64867	Rsa1.0.05179.1	542	14576	1.00E-145	296	307	96 -	236	542	2252	2555
UN64868	Rsa1.0.03090.1	385	25464	1.00E-97	232	247	93 +	15	261	17092	17334
UN64869	Rsa1.0.04725.1	655	16221	1.00E-171	353	367	96 -	33	395	761	1127
UN64870	Rsa1.0.33920.1	638	668	0	443	461	96 +	3	463	208	668
UN64871	Rsa1.0.00706.1	767	291570	1.00E-131	362	397	91 +	3	391	26855	27244
UN64872	Rsa1.0.00928.1	322	59293	7.00E-43	122	130	93 +	1	125	5893	6021
UN64873	Rsa1.0.00915.1	742	194446	0	622	653	95 +	89	741	18721	19373
UN64874	Rsa1.0.00251.1	162	303968	7.00E-72	152	157	96 +	1	157	55618	55774
UN64875	Rsa1.0.00821.1	527	62891	0	485	515	94 -	1	511	46032	46532
UN64876	Rsa1.0.01473.1	816	45094	0	495	499	99 -	1	498	15535	16033
UN64877	Rsa1.0.03287.1	690	24025	0	384	386	99 -	174	559	21583	21968
UN64878	Rsa1.0.11534.1	407	5477	0	394	410	96 -	1	407	1830	2236
UN64879	Rsa1.0.01339.1	768	47813	0	499	505	98 -	1	505	5850	6354
UN64880	Rsa1.0.00024.1	657	188018	1.00E-130	276	287	96 -	4	290	17045	17328
UN64881	Rsa1.0.08740.1	683	6980	1.00E-141	290	302	96 +	366	667	1988	2289
UN64882	Rsa1.0.02200.1	889	33981	0	510	526	96 -	343	864	14345	14870
UN64883	Rsa1.0.14764.1	733	3084	0	659	693	95 +	2	694	1942	2634
UN64884	Rsa1.0.00224.1	280	327530	3.00E-57	140	149	93 -	3	151	210516	210664
UN64885	Rsa1.0.00262.1	835	101906	0	761	801	95 +	37	835	86590	87382
UN64886	Rsa1.0.03163.1	812	24894	0	479	494	96 -	1	492	22793	23286
UN64887	Rsa1.0.00493.1	688	80007	0	634	681	93 +	22	688	18998	19671
UN64888	Rsa1.0.00751.1	118	65759	4.00E-45	110	116	94 -	3	118	41920	42035
UN64889	Rsa1.0.13382.1	681	4874	0	571	628	90 -	51	675	717	1337
UN64890	Rsa1.0.04568.1	396	16805	1.00E-161	368	393	93 -	4	396	5152	5535
UN64891	Rsa1.0.01026.1	832	171624	0	762	775	98 +	33	807	4625	5398
UN64892	Rsa1.0.06771.1	188	10388	4.00E-83	180	188	95 -	1	188	2728	2915
UN64893	Rsa1.0.00042.1	782	171507	2.00E-73	153	157	97 +	269	425	88765	88921
UN64894	Rsa1.0.13545.1	704	4741	3.00E-65	127	127	100 +	236	362	1542	1668

UN64895	Rsa1.0_00989.1	680	57494	1.00E-105	448	526	85 +	81	604	53638	54160
UN64896	Rsa1.0_02425.1	663	31567	4.00E-89	176	179	98 +	246	424	14010	14188
UN64897	Rsa1.0_00350.1	759	92346	1.00E-129	261	269	97 -	2	270	48362	48628
UN64898	Rsa1.0_06603.1	623	10682	1.00E-174	342	353	96 -	4	356	7727	8079
UN64899	Rsa1.0_00005.1	783	353093	0	471	492	95 +	1	491	138082	138562
UN64900	Rsa1.0_00581.1	739	163575	0	737	739	99 -	1	739	27307	28045
UN64901	Rsa1.0_00336.1	275	445051	1.00E-115	219	222	98 -	1	222	211685	211906
UN64902	Rsa1.0_00440.1	768	84723	1.00E-175	360	376	95 -	321	696	57581	57956
UN64903	Rsa1.0_00720.1	636	66931	7.00E-97	224	240	93 -	160	390	62325	62564
UN64904	Rsa1.0_00352.1	715	92266	0	668	719	92 +	2	715	24886	25591
UN64905	Rsa1.0_00079.1	339	606987	2.00E-46	107	111	96 -	57	167	132914	133024
UN64906	Rsa1.0_00159.1	847	431686	0	656	671	97 +	175	845	326918	327587
UN64907	Rsa1.0_33019.1	329	688	2.33E-156	315	330	95 -	1	329	110	438
UN64908	Rsa1.0_08922.1	570	6788	0	552	571	96 -	1	570	2346	2916
UN64909	Rsa1.0_00171.1	411	115622	0	399	411	97 +	1	411	101167	101577
UN64910	Rsa1.0_07056.1	472	9969	1.00E-170	434	475	91 -	3	472	6397	6864
UN64911	Rsa1.0_00441.1	725	84607	0	480	524	91 -	51	571	29577	30099
UN64912	Rsa1.0_01440.1	711	45807	0	403	407	99 +	1	406	30991	31397
UN64913	Rsa1.0_02454.1	777	31263	0	718	736	97 -	1	735	25933	26661
UN64914	Rsa1.0_30825.1	438	743	0	416	438	94 -	1	438	12	448
UN64915	Rsa1.0_02717.1	740	28458	1.00E-166	348	363	95 -	332	691	23793	24149
UN64916	Rsa1.0_02362.1	647	32190	1.00E-112	264	283	93 -	7	289	21332	21611
UN64917	Rsa1.0_01475.1	288	45044	8.00E-64	127	128	99 +	161	288	4438	4565
UN64918	Rsa1.0_00047.1	677	168582	0	425	426	99 -	1	426	140112	140537
UN64919	Rsa1.0_00201.1	551	232851	8.00E-81	209	227	92 -	1	227	72009	72227
UN64920	Rsa1.0_00235.1	183	154696	2.00E-82	176	183	96 -	1	183	147416	147598
UN64921	Rsa1.0_02018.1	183	35994	2.00E-75	173	183	94 -	1	183	5191	5373
UN64922	Rsa1.0_00605.1	735	73199	1.00E-119	269	285	94 +	3	283	68979	69261
UN64923	Rsa1.0_00889.1	540	60978	0	534	541	98 +	1	540	4612	5152
UN64924	Rsa1.0_00637.1	660	71038	0	358	369	97 +	292	660	2761	3129
UN64925	Rsa1.0_02707.1	192	28520	4.00E-83	183	192	95 -	1	192	11209	11400
UN64926	Rsa1.0_28586.1	769	809	0	537	539	99 -	231	769	272	809
UN64927	Rsa1.0_06689.1	798	10535	0	744	784	94 +	16	798	5333	6114
UN64928	Rsa1.0_03805.1	581	20746	0	556	581	95 -	1	581	14387	14962
UN64929	Rsa1.0_00008.1	856	358124	0	641	661	96 -	201	856	172311	172971
UN64930	Rsa1.0_02900.1	603	26928	0	584	600	97 +	4	603	294	892
UN64931	Rsa1.0_00705.1	740	67505	1.00E-121	254	265	95 -	476	740	44556	44820
UN64932	Rsa1.0_01376.1	394	47004	1.00E-123	241	247	97 +	1	247	37711	37957
UN64933	Rsa1.0_02157.1	621	149652	0	613	620	98 -	1	619	11431	12050

UN64934	Rsa1.0.07466.1	689	9321	3.00E-31	210	256	82 -	361	609	4853	5107
UN64935	Rsa1.0.00294.1	748	144860	0	507	521	97 -	226	746	57925	58442
UN64936	Rsa1.0.00734.1	714	66508	0	521	544	95 +	1	542	62123	62665
UN64937	Rsa1.0.00033.1	160	515811	3.00E-31	140	163	85 +	1	160	366412	366574
UN64938	Rsa1.0.04220.1	792	18421	0	366	379	96 +	204	582	11673	12048
UN64939	Rsa1.0.00223.1	153	106231	1.00E-60	148	156	94 -	1	153	70318	70472
UN64940	Rsa1.0.00224.1	754	327530	0	737	756	97 -	1	754	86698	87453
UN64941	Rsa1.0.05911.1	147	12261	2.00E-53	139	148	93 +	4	147	8823	8970
UN64942	Rsa1.0.14855.1	697	3011	0	509	526	96 -	172	694	1807	2327
UN64943	Rsa1.0.02794.1	538	27820	1.00E-110	255	271	94 +	25	284	26686	26956
UN64944	Rsa1.0.08072.1	562	7955	9.00E-90	197	204	96 -	1	204	520	721
UN64945	Rsa1.0.00030.1	389	250988	2.00E-83	323	377	85 -	3	363	27132	27488
UN64946	Rsa1.0.00093.1	512	214962	1.00E-116	325	356	91 -	1	352	127696	128045
UN64947	Rsa1.0.00655.1	511	195840	1.00E-177	418	451	92 -	1	451	17675	18105
UN64948	Rsa1.0.05456.1	102	13688	3.00E-42	100	103	97 +	1	102	8575	8677
UN64949	Rsa1.0.01768.1	651	138463	0	366	368	99 -	55	422	769	1136
UN64950	Rsa1.0.00910.1	474	59975	1.00E-174	433	467	92 -	14	474	29227	29686
UN64951	Rsa1.0.14046.1	503	3872	3.00E-83	219	235	93 -	1	231	1796	2028
UN64952	Rsa1.0.00059.1	149	159650	6.00E-69	144	148	97 -	1	148	24742	24889
UN64953	Rsa1.0.01588.1	581	42724	4.00E-89	179	182	98 +	285	464	13419	13600
UN64954	Rsa1.0.00218.1	697	201480	1.00E-172	362	378	95 -	70	445	153355	153731
UN64955	Rsa1.0.00365.1	631	90902	0	437	464	94 -	2	464	44104	44556
UN64956	Rsa1.0.00900.1	727	60367	4.00E-86	180	186	96 -	59	244	41432	41617
UN64957	Rsa1.0.03223.1	555	24512	0	528	559	94 +	1	555	9206	9763
UN64958	Rsa1.0.04437.1	658	17362	0	636	659	96 +	1	653	1626	2282
UN64959	Rsa1.0.02774.1	448	28038	0	438	448	97 -	1	448	214	656
UN64960	Rsa1.0.00522.1	756	78103	1.00E-135	329	355	92 -	403	753	22739	23093
UN64961	Rsa1.0.01923.1	523	37233	0	485	531	91 -	19	523	32234	32758
UN64962	Rsa1.0.00083.1	730	442773	0	536	551	97 +	1	549	310473	311021
UN64963	Rsa1.0.00051.1	639	258225	1.00E-152	348	373	93 +	37	409	62989	63361
UN64964	Rsa1.0.00163.1	727	116847	0	683	739	92 -	1	727	85465	86199
UN64965	Rsa1.0.00118.1	698	130637	0	645	670	96 -	1	666	29905	30571
UN64966	Rsa1.0.02593.1	288	29744	1.00E-101	233	247	94 +	1	247	2919	3164
UN64967	Rsa1.0.00502.1	611	204180	1.00E-149	323	344	93 +	1	332	11681	12024
UN64968	Rsa1.0.00262.1	232	101906	4.00E-96	221	233	94 -	1	232	53428	53658
UN64969	Rsa1.0.00144.1	771	120708	0	769	771	99 +	1	771	97823	98593
UN64970	#	#	#	#	#	#	#	#	#	#	#
UN64971	Rsa1.0.00045.1	665	328694	0	403	419	96 +	2	420	94114	94525
UN64972	Rsa1.0.02023.1	749	35922	0	736	747	98 +	3	749	9109	9855

UN64973	Rsa1.0.08230.1	137	7688	5.00E-54	129	135	95 -	4	137	5473	5607
UN64974	Rsa1.0.19010.1	683	1495	0	588	647	90 -	24	647	1	646
UN64975	Rsa1.0.33466.1	660	677	1.00E-102	224	235	95 +	1	232	220	454
UN64976	Rsa1.0.06825.1	725	10297	1.00E-130	266	276	96 +	1	276	7691	7966
UN64977	Rsa1.0.00184.1	185	218748	4.00E-49	139	151	92 +	33	182	213982	214132
UN64978	Rsa1.0.04470.1	721	17204	0	693	721	96 -	1	721	14663	15379
UN64979	Rsa1.0.08838.1	581	6873	0	443	460	96 -	95	554	2943	3401
UN64980	Rsa1.0.00457.1	777	337301	0	765	778	98 +	1	777	329771	330548
UN64981	Rsa1.0.00277.1	186	100132	7.00E-54	168	185	90 +	5	186	16035	16217
UN64982	Rsa1.0.04188.1	656	18586	0	637	658	96 +	1	655	6480	7133
UN64983	Rsa1.0.00002.1	313	601661	1.00E-115	250	263	95 +	17	279	124429	124691
UN64984	Rsa1.0.36780.1	702	613	2.00E-32	120	136	88 -	567	702	153	288
UN64985	Rsa1.0.16541.1	814	2119	0	786	824	95 -	1	806	92	914
UN64986	Rsa1.0.01811.1	185	38977	1.00E-61	159	172	92 +	1	172	1753	1924
UN64987	Rsa1.0.00280.1	664	99966	0	614	672	91 +	6	664	30067	30730
UN64988	Rsa1.0.00553.1	653	75983	1.00E-61	136	141	96 +	4	144	25896	26036
UN64989	Rsa1.0.00208.1	609	108565	1.00E-128	244	247	98 +	1	245	30193	30439
UN64990	Rsa1.0.06057.1	223	11842	1.00E-108	217	223	97 -	1	223	3263	3485
UN64991	Rsa1.0.01184.1	392	51452	1.00E-124	340	375	90 -	1	370	27411	27784
UN64992	Rsa1.0.05947.1	430	12142	1.00E-121	270	286	94 +	1	283	5633	5918
UN64993	Rsa1.0.00026.1	270	327835	1.00E-134	261	265	98 -	6	270	171791	172052
UN64994	Rsa1.0.00108.1	502	478491	1.00E-127	274	287	95 -	29	315	302540	302825
UN64995	Rsa1.0.01149.1	536	160459	4.00E-70	200	221	90 -	286	503	152944	153164
UN64996	#	#	#	#	#	#	#	#	#	#	#
UN64997	Rsa1.0.01199.1	749	163576	1.00E-118	243	252	96 -	162	413	9697	9948
UN64998	Rsa1.0.09169.1	689	6589	4.00E-80	155	156	99 +	289	444	5016	5171
UN64999	Rsa1.0.03599.1	769	21857	0	419	449	93 +	321	769	2346	2794
UN65000	Rsa1.0.00184.1	533	218748	0	410	429	95 -	2	422	81581	82009
UN65001	Rsa1.0.00650.1	552	70235	1.00E-159	354	372	95 -	1	360	67840	68209
UN65002	Rsa1.0.00070.1	847	150321	1.00E-145	445	504	88 -	347	847	89067	89539
UN65003	Rsa1.0.00523.1	712	178770	0	692	734	94 -	1	712	114420	115151
UN65004	Rsa1.0.00552.1	249	206757	2.00E-58	177	195	90 -	1	194	187345	187538
UN65005	Rsa1.0.00830.1	744	62685	0	526	542	97 +	30	571	49095	49636
UN65006	Rsa1.0.00033.1	734	515811	0	575	585	98 -	80	664	481863	482446
UN65007	Rsa1.0.03765.1	766	20971	0	391	391	100 +	376	766	16880	17270
UN65008	Rsa1.0.03191.1	777	145762	1.00E-95	356	417	85 +	205	618	22098	22472
UN65009	Rsa1.0.01884.1	569	37659	0	400	417	95 +	153	569	17512	17928
UN65010	Rsa1.0.00398.1	716	88007	5.00E-98	218	229	95 +	217	445	43749	43975
UN65011	Rsa1.0.03821.1	803	20643	1.00E-110	237	245	96 -	3	244	6054	6297

UN65012	Rsa1.0_00220.1	873	192936	1.00E-179	367	382	96 +	1	381	143079	143460
UN65013	Rsa1.0_02085.1	680	35198	4.00E-49	192	226	84 +	229	439	28439	28664
UN65014	Rsa1.0_05940.1	610	12169	0	599	603	99 +	2	604	9231	9833
UN65015	Rsa1.0_00062.1	723	299291	8.00E-66	140	144	97 -	190	333	283617	283760
UN65016	Rsa1.0_00603.1	703	73299	0	484	510	94 +	194	703	62516	63022
UN65017	Rsa1.0_00476.1	682	280966	0	651	688	94 -	1	682	232273	232960
UN65018	Rsa1.0_01376.1	726	47004	1.00E-138	340	371	91 -	3	355	21956	22326
UN65019	Rsa1.0_01185.1	774	149842	1.00E-117	255	267	95 +	467	732	132558	132824
UN65020	Rsa1.0_01030.1	624	56290	1.00E-128	251	256	98 -	1	254	40732	40987
UN65021	Rsa1.0_04355.1	497	146733	1.00E-142	289	300	96 -	1	300	133389	133688
UN65022	Rsa1.0_01355.1	178	47303	3.00E-65	165	178	92 -	1	178	39734	39911
UN65023	Rsa1.0_00016.1	563	831256	3.00E-89	186	191	97 +	294	483	238927	239117
UN65024	Rsa1.0_01540.1	650	151890	1.00E-64	292	341	85 -	1	327	125765	126098
UN65025	Rsa1.0_02619.1	644	29444	0	609	644	94 +	1	644	5307	5943
UN65026	Rsa1.0_00842.1	610	62493	1.00E-168	452	493	91 +	9	493	14579	15054
UN65027	Rsa1.0_00003.1	663	340054	0	562	587	95 -	10	592	168580	169161
UN65028	Rsa1.0_00005.1	646	353093	1.00E-138	333	360	92 -	3	360	121587	121946
UN65029	Rsa1.0_19592.1	438	1410	0	409	423	96 +	18	438	1	423
UN65030	Rsa1.0_00825.1	734	62855	0	595	609	97 +	118	726	9205	9813
UN65031	Rsa1.0_15119.1	270	2814	2.00E-49	116	120	96 +	103	221	1424	1543
UN65032	Rsa1.0_00190.1	161	318240	8.00E-84	157	157	100 -	1	157	295483	295639
UN65033	Rsa1.0_15479.1	669	2584	5.00E-61	126	128	98 +	224	351	1482	1609
UN65034	Rsa1.0_00286.1	644	98709	1.00E-147	326	344	94 -	302	644	27394	27736
UN65035	Rsa1.0_00923.1	697	153678	1.00E-117	242	251	96 +	170	420	31482	31732
UN65036	Rsa1.0_00043.1	809	264937	0	344	346	99 -	2	347	247196	247541
UN65037	Rsa1.0_01729.1	694	304246	0	554	560	98 -	136	694	124267	124826
UN65038	Rsa1.0_00017.1	733	752458	1.00E-137	343	368	93 -	4	363	292601	292967
UN65039	Rsa1.0_01183.1	581	51465	2.00E-78	190	203	93 +	380	579	20241	20443
UN65040	Rsa1.0_04520.1	810	16995	0	373	389	95 +	2	390	7916	8301
UN65041	Rsa1.0_01838.1	654	38500	5.00E-73	185	200	92 +	34	233	26075	26274
UN65042	Rsa1.0_00657.1	788	69858	0	391	410	95 -	298	706	4196	4605
UN65043	Rsa1.0_00989.1	762	57494	8.00E-97	213	224	95 -	369	592	12780	13003
UN65044	Rsa1.0_15895.1	706	2371	1.00E-141	329	354	92 -	3	356	170	523
UN65045	Rsa1.0_00067.1	550	415055	1.00E-129	252	258	97 +	14	271	40052	40309
UN65046	Rsa1.0_02812.1	761	27660	1.00E-152	276	277	99 -	2	278	8925	9201
UN65047	Rsa1.0_01242.1	699	50066	1.00E-177	352	365	96 +	138	502	4509	4867
UN65048	Rsa1.0_00020.1	611	283099	0	373	380	98 +	232	611	73988	74367
UN65049	Rsa1.0_00502.1	566	204180	1.00E-125	263	275	95 +	292	566	70237	70511
UN65050	Rsa1.0_00111.1	429	390088	2.00E-53	116	119	97 -	52	170	384851	384969

UN65051	Rsa1.0.00713.1	607	158017	0	587	608	96 -	3	607	46237	46844
UN65052	Rsa1.0.03047.1	697	25781	3.00E-65	145	151	96 +	445	595	25238	25388
UN65053	Rsa1.0.04165.1	686	18757	0	620	666	93 -	2	667	8380	9045
UN65054	Rsa1.0.00558.1	751	75819	0	675	697	96 -	3	697	56116	56809
UN65055	Rsa1.0.02516.1	638	30608	1.00E-131	255	261	97 +	2	262	25620	25880
UN65056	Rsa1.0.17651.1	679	1773	0	570	590	96 +	91	679	120	709
UN65057	Rsa1.0.00069.1	770	403561	1.00E-141	314	331	94 -	3	326	189991	190321
UN65058	Rsa1.0.02735.1	644	28344	0	615	647	95 +	1	644	2752	3397
UN65059	Rsa1.0.00651.1	801	247766	2.00E-48	99	99	100 -	372	470	90937	91035
UN65060	Rsa1.0.01121.1	711	53407	4.00E-80	158	160	98 -	203	362	25326	25485
UN65061	Rsa1.0.03524.1	688	22297	1.00E-155	331	351	94 -	343	681	14602	14952
UN65062	Rsa1.0.01015.1	774	56752	0	383	392	97 +	3	390	33240	33631
UN65063	Rsa1.0.00222.1	174	172263	4.00E-55	127	133	95 +	42	174	139355	139487
UN65064	Rsa1.0.00018.1	220	410899	2.00E-73	202	220	91 +	1	220	102810	103027
UN65065	Rsa1.0.00386.1	319	89134	1.00E-106	244	258	94 -	27	283	44310	44565
UN65066	Rsa1.0.03783.1	720	20890	0	475	484	98 -	1	482	8709	9188
UN65067	Rsa1.0.00134.1	496	390219	0	457	461	99 -	1	461	199872	200332
UN65068	Rsa1.0.00293.1	630	339294	0	628	630	99 -	1	630	177750	178379
UN65069	Rsa1.0.04027.1	662	19501	1.00E-107	223	229	97 +	23	250	3004	3230
UN65070	Rsa1.0.00394.1	680	148426	1.00E-109	216	221	97 +	363	583	99304	99524
UN65071	Rsa1.0.07182.1	795	9777	0	772	795	97 +	1	795	4434	5224
UN65072	Rsa1.0.01400.1	877	46560	0	587	603	97 -	5	606	39590	40192
UN65073	Rsa1.0.00133.1	384	123768	1.00E-174	368	387	95 -	1	384	85217	85603
UN65074	Rsa1.0.00336.1	606	445051	1.00E-171	314	316	99 +	1	315	439520	439835
UN65075	Rsa1.0.00116.1	867	365886	0	696	715	97 +	158	864	139221	139935
UN65076	Rsa1.0.04082.1	678	19180	0	520	524	99 -	1	524	17639	18162
UN65077	Rsa1.0.03956.1	364	19872	2.00E-86	248	279	88 +	1	262	16254	16532
UN65078	Rsa1.0.00172.1	199	115476	2.00E-48	167	185	90 -	17	199	8460	8641
UN65079	Rsa1.0.01977.1	478	36559	2.00E-93	213	226	94 +	1	226	9608	9833
UN65080	#	#	#	#	#	#	#	#	#	#	#
UN65081	Rsa1.0.01421.1	157	46197	4.00E-67	147	152	96 +	1	152	18227	18376
UN65082	Rsa1.0.00002.1	208	601661	2.00E-94	203	210	96 -	2	208	574926	575135
UN65083	Rsa1.0.02079.1	603	35306	0	562	575	97 +	2	576	17945	18517
UN65084	Rsa1.0.04279.1	653	18113	1.00E-112	227	233	97 +	1	233	8647	8878
UN65085	Rsa1.0.02777.1	541	27986	0	511	520	98 -	1	520	15700	16219
UN65086	Rsa1.0.00409.1	157	146788	5.00E-39	112	122	91 -	36	157	80880	81001
UN65087	Rsa1.0.00645.1	628	189716	1.00E-103	206	211	97 -	317	527	148236	148446
UN65088	Rsa1.0.00275.1	758	210104	1.00E-138	400	450	88 +	1	448	174983	175414
UN65089	Rsa1.0.00402.1	780	385315	0	670	714	93 +	74	778	129975	130686

UN65090	Rsa1.0_00322.1	385	212233	1.00E-173	340	350	97 -	38	385	207662	208011
UN65091	Rsa1.0_00895.1	314	60615	1.00E-118	292	314	92 +	2	314	39735	40045
UN65092	Rsa1.0_00829.1	727	158305	6.00E-79	171	178	96 +	318	495	110359	110536
UN65093	Rsa1.0_00175.1	747	166121	0	722	749	96 -	1	747	42664	43412
UN65094	Rsa1.0_02197.1	584	33996	0	446	459	97 +	76	528	3408	3865
UN65095	Rsa1.0_00437.1	692	84879	0	504	513	98 -	2	514	4989	5501
UN65096	Rsa1.0_00159.1	579	431686	0	571	583	97 -	1	577	240915	241497
UN65097	Rsa1.0_00285.1	721	149638	0	451	467	96 -	3	469	87711	88171
UN65098	Rsa1.0_00387.1	630	495407	0	362	374	96 +	257	630	471842	472215
UN65099	Rsa1.0_24305.1	761	994	1.00E-139	268	271	98 +	384	652	655	925
UN65100	Rsa1.0_04371.1	609	17700	1.00E-140	271	277	97 +	229	505	13430	13706
UN65101	Rsa1.0_00552.1	607	206757	1.00E-130	264	272	97 -	337	607	181233	181504
UN65102	Rsa1.0_00111.1	621	390088	1.00E-158	370	399	92 -	3	386	263141	263529
UN65103	Rsa1.0_05344.1	776	14103	0	577	584	98 +	197	776	4842	5425
UN65104	Rsa1.0_00281.1	604	99908	1.00E-164	349	364	95 +	225	585	6793	7155
UN65105	Rsa1.0_01768.1	625	138463	0	597	625	95 +	1	625	112997	113616
UN65106	Rsa1.0_03100.1	768	25411	1.00E-150	288	294	97 +	3	296	974	1267
UN65107	Rsa1.0_02503.1	731	30709	1.00E-149	337	359	93 +	364	721	6768	7126
UN65108	Rsa1.0_00092.1	782	659932	1.00E-111	226	233	96 -	430	662	517220	517452
UN65109	Rsa1.0_01238.1	690	50120	1.00E-178	362	377	96 -	139	515	48359	48735
UN65110	Rsa1.0_10460.1	676	5842	0	555	559	99 -	118	676	5284	5842
UN65111	Rsa1.0_03979.1	615	19728	0	393	395	99 -	221	615	12580	12974
UN65112	Rsa1.0_02085.1	382	35198	1.00E-135	308	331	93 +	32	356	33816	34137
UN65113	Rsa1.0_00015.1	723	561803	0	446	466	95 +	257	720	252559	253024
UN65114	Rsa1.0_00009.1	438	232558	6.00E-84	187	193	96 +	239	430	150576	150765
UN65115	Rsa1.0_01991.1	617	36425	4.00E-98	228	242	94 +	356	596	10540	10781
UN65116	Rsa1.0_00632.1	618	183777	0	467	480	97 -	142	618	16467	16945
UN65117	Rsa1.0_00008.1	141	358124	5.00E-48	136	144	94 -	3	141	203197	203340
UN65118	Rsa1.0_02789.1	725	27850	0	455	455	100 +	3	457	22846	23300
UN65119	Rsa1.0_01385.1	757	46782	0	412	418	98 -	150	567	6430	6847
UN65120	Rsa1.0_00251.1	604	303968	5.00E-76	151	153	98 -	171	323	298231	298383
UN65121	Rsa1.0_00243.1	706	103651	0	516	537	96 +	170	706	84697	85233
UN65122	Rsa1.0_00200.1	591	162016	1.00E-139	272	279	97 +	168	446	108328	108606
UN65123	Rsa1.0_00015.1	732	561803	0	445	458	97 -	274	727	257386	257843
UN65124	Rsa1.0_02148.1	500	34610	1.00E-176	370	388	95 +	113	500	23706	24091
UN65125	Rsa1.0_00482.1	806	81162	2.33E-156	279	283	98 +	193	474	19602	19884
UN65126	Rsa1.0_14058.1	480	3860	5.00E-97	222	234	94 +	171	403	1	231
UN65127	Rsa1.0_00015.1	333	561803	6.00E-74	156	161	96 -	119	279	375508	375668
UN65128	Rsa1.0_01513.1	717	44234	2.00E-63	201	217	92 -	506	717	17288	17498

UN65129	Rsa1.0.03889.1	620	20233	0	505	525	96 +	4	528	9869	10393
UN65130	Rsa1.0.00041.1	777	186197	1.00E-101	215	224	95 -	284	507	153061	153284
UN65131	Rsa1.0.00025.1	612	277312	1.00E-106	204	207	98 -	61	267	137286	137492
UN65132	Rsa1.0.05643.1	769	13065	0	673	700	96 -	75	766	3260	3959
UN65133	Rsa1.0.06732.1	731	10449	0	402	424	94 +	107	527	8112	8529
UN65134	Rsa1.0.00131.1	578	432233	2.00E-63	157	168	93 +	270	437	10362	10529
UN65135	Rsa1.0.15361.1	804	2658	1.00E-100	192	194	98 -	169	362	171	364
UN65136	Rsa1.0.06893.1	736	10194	0	461	473	97 -	266	736	846	1318
UN65137	Rsa1.0.00668.1	760	69421	1.00E-175	311	311	100 -	14	324	27319	27629
UN65138	Rsa1.0.03990.1	593	19676	1.00E-140	340	367	92 +	227	593	3992	4335
UN65139	Rsa1.0.01015.1	649	56752	0	548	589	93 +	60	645	4422	5007
UN65140	Rsa1.0.07618.1	637	9015	4.00E-58	139	146	95 +	105	248	3768	3913
UN65141	Rsa1.0.00200.1	631	162016	3.00E-80	152	152	100 -	407	558	134959	135110
UN65142	Rsa1.0.01965.1	628	36698	0	590	630	93 +	2	628	16313	16930
UN65143	Rsa1.0.19440.1	778	1432	0	713	742	96 -	2	742	317	1049
UN65144	Rsa1.0.06247.1	779	11395	5.00E-89	185	191	96 +	58	248	8685	8875
UN65145	Rsa1.0.00202.1	777	185895	0	431	444	97 -	3	446	146141	146582
UN65146	Rsa1.0.03895.1	458	20206	1.00E-145	423	470	90 -	2	458	13677	14141
UN65147	Rsa1.0.00336.1	765	445051	0	744	758	98 -	2	752	263959	264716
UN65148	Rsa1.0.00418.1	771	215377	8.00E-97	225	236	95 +	3	237	78262	78495
UN65149	Rsa1.0.00362.1	726	299497	0	708	731	96 +	2	726	295380	296106
UN65150	Rsa1.0.00324.1	690	218805	0	441	443	99 -	197	639	171647	172089
UN65151	Rsa1.0.00417.1	262	395068	1.00E-133	256	261	98 -	2	262	377182	377442
UN65152	Rsa1.0.00964.1	651	316648	6.00E-85	172	176	97 -	2	177	35552	35727
UN65153	Rsa1.0.00034.1	741	260119	0	456	469	97 +	6	465	7131	7599
UN65154	Rsa1.0.01572.1	597	42995	1.00E-178	390	413	94 -	195	597	6884	7295
UN65155	Rsa1.0.00387.1	697	495407	1.00E-139	298	309	96 +	387	692	396750	397055
UN65156	Rsa1.0.02744.1	669	28268	2.00E-94	176	176	100 -	3	178	24978	25153
UN65157	Rsa1.0.06497.1	642	10890	1.00E-159	324	336	96 -	14	347	2384	2719
UN65158	Rsa1.0.00197.1	435	109714	9.00E-43	136	152	89 -	85	230	100879	101030
UN65159	Rsa1.0.00222.1	726	172263	0	710	735	96 +	1	726	168641	169374
UN65160	Rsa1.0.00294.1	668	144860	2.00E-91	203	215	94 -	44	249	62616	62830
UN65161	Rsa1.0.09152.1	766	6607	3.00E-47	115	121	95 -	451	571	1227	1347
UN65162	Rsa1.0.11159.1	729	5600	0	686	709	96 +	21	727	1	708
UN65163	Rsa1.0.01876.1	726	37800	0	570	596	95 +	133	726	36310	36905
UN65164	Rsa1.0.03719.1	690	21194	0	623	644	96 -	47	690	5269	5909
UN65165	Rsa1.0.00753.1	673	65705	0	484	506	95 +	172	673	8299	8803
UN65166	Rsa1.0.08723.1	710	6998	6.00E-76	177	185	95 +	528	710	3154	3338
UN65167	Rsa1.0.02158.1	789	154841	0	475	492	96 +	197	688	131925	132416

UN65168	Rsa1.0.00517.1	631	142790	1.00E-168	379	405	93 +	240	631	125121	125525
UN65169	Rsa1.0.06912.1	744	10177	0	699	717	97 +	2	712	9245	9958
UN65170	Rsa1.0.04231.1	758	18380	1.00E-153	376	411	91 +	359	758	15585	15987
UN65171	Rsa1.0.00281.1	787	99908	0	572	594	96 -	5	598	83414	84007
UN65172	Rsa1.0.08215.1	817	7711	3.00E-84	168	171	98 -	305	475	4681	4851
UN65173	Rsa1.0.02219.1	722	33798	2.00E-94	179	180	99 +	213	392	27259	27438
UN65174	Rsa1.0.00956.1	720	58304	1.00E-171	316	320	98 +	399	718	2176	2495
UN65175	Rsa1.0.06561.1	633	10772	1.00E-171	333	341	97 -	1	341	3005	3344
UN65176	Rsa1.0.00050.1	642	237174	1.00E-85	170	172	98 +	3	174	193199	193368
UN65177	Rsa1.0.01115.1	748	183545	1.00E-154	431	474	90 +	12	468	1272	1743
UN65178	Rsa1.0.00706.1	764	291570	1.00E-114	219	222	98 -	3	224	231041	231262
UN65179	Rsa1.0.00470.1	706	81968	1.00E-175	394	421	93 -	287	706	27956	28369
UN65180	Rsa1.0.00222.1	755	172263	1.00E-106	198	199	99 +	3	201	136676	136874
UN65181	Rsa1.0.00107.1	823	431659	1.00E-168	305	307	99 +	3	309	367203	367509
UN65182	#	#	#	#	#	#	#	#	#	#	#
UN65183	Rsa1.0.02506.1	800	30700	1.00E-116	320	345	92 -	429	763	6471	6812
UN65184	Rsa1.0.06287.1	643	11303	1.00E-106	221	230	96 -	292	521	7396	7619
UN65185	Rsa1.0.01234.1	629	50183	1.00E-139	254	255	99 -	236	490	11515	11769
UN65186	#	#	#	#	#	#	#	#	#	#	#
UN65187	Rsa1.0.00455.1	666	224823	0	630	655	96 -	3	642	147564	148218
UN65188	Rsa1.0.02201.1	795	33981	1.00E-77	196	208	94 +	557	761	15834	16041
UN65189	Rsa1.0.02338.1	593	32390	0	568	593	95 +	1	593	16530	17120
UN65190	Rsa1.0.04371.1	814	17700	1.00E-160	322	333	96 -	11	343	2476	2805
UN65191	Rsa1.0.09504.1	731	6328	0	565	568	99 -	166	731	3887	4454
UN65192	Rsa1.0.02528.1	669	30452	1.00E-157	311	321	96 +	181	501	4128	4448
UN65193	Rsa1.0.04194.1	826	132734	0	397	406	97 +	4	402	116179	116584
UN65194	Rsa1.0.00126.1	415	127534	1.00E-108	211	214	98 +	114	326	36710	36923
UN65195	Rsa1.0.01026.1	568	171624	1.00E-141	293	307	95 -	267	564	5616	5922
UN65196	Rsa1.0.01102.1	674	53987	9.00E-38	136	153	88 +	4	156	227	378
UN65197	Rsa1.0.00092.1	201	659932	3.00E-65	167	174	95 +	33	201	187657	187830
UN65198	Rsa1.0.01304.1	421	48790	1.00E-170	348	363	95 -	59	421	38015	38377
UN65199	Rsa1.0.02401.1	684	138425	6.00E-39	92	95	96 +	372	466	19391	19485
UN65200	Rsa1.0.00114.1	651	131330	0	624	652	95 +	3	651	60974	61612
UN65201	Rsa1.0.04449.1	267	17304	1.00E-149	267	267	100 -	1	267	146	412
UN65202	Rsa1.0.07296.1	665	9599	1.00E-141	295	307	96 -	3	308	8852	9158
UN65203	Rsa1.0.02433.1	778	158318	1.00E-134	248	250	99 -	311	560	129398	129647
UN65204	Rsa1.0.00422.1	727	86144	1.00E-165	473	526	89 +	2	519	33502	34009
UN65205	Rsa1.0.00079.1	750	606987	1.00E-165	335	352	95 +	4	355	70206	70542
UN65206	Rsa1.0.16805.1	792	2030	3.00E-93	192	197	97 -	3	197	284	480

UN65207	Rsa1.0.00484.1	767	203294	0	737	764	96 -	14	767	141055	141818
UN65208	Rsa1.0.05398.1	806	13885	1.00E-49	113	117	96 +	2	118	13703	13819
UN65209	Rsa1.0.00039.1	769	296927	0	443	455	97 -	268	715	134051	134505
UN65210	Rsa1.0.03028.1	693	25872	0	664	673	98 +	24	693	10794	11466
UN65211	Rsa1.0.00990.1	784	57445	0	763	792	96 -	3	784	39770	40552
UN65212	Rsa1.0.00303.1	767	97468	0	488	490	99 +	3	492	5800	6289
UN65213	Rsa1.0.03156.1	740	24956	1.00E-73	159	165	96 -	35	199	4809	4973
UN65214	Rsa1.0.01674.1	669	168300	0	635	667	95 +	2	668	19501	20145
UN65215	Rsa1.0.00201.1	732	232851	0	577	609	94 -	2	605	131887	132492
UN65216	Rsa1.0.00991.1	597	143101	0	384	401	95 -	154	545	142698	143098
UN65217	Rsa1.0.07152.1	744	9815	0	739	747	98 +	2	744	683	1429
UN65218	Rsa1.0.00204.1	633	109056	0	520	548	94 +	90	633	96440	96987
UN65219	Rsa1.0.02097.1	667	35036	2.00E-91	195	202	96 +	466	667	16252	16451
UN65220	Rsa1.0.13716.1	719	4433	0	664	707	93 +	16	719	940	1646
UN65221	Rsa1.0.00300.1	755	97747	0	575	596	96 -	61	656	89745	90340
UN65222	Rsa1.0.03201.1	756	157656	0	731	752	97 +	1	750	16573	17324
UN65223	Rsa1.0.00705.1	467	67505	0	348	355	98 +	113	467	10409	10763
UN65224	Rsa1.0.00350.1	119	92346	4.00E-20	101	118	85 +	2	119	45684	45801
UN65225	Rsa1.0.00226.1	705	105884	6.00E-76	164	170	96 -	3	168	81752	81921
UN65226	Rsa1.0.00254.1	685	102600	9.00E-78	178	185	96 +	6	185	24666	24849
UN65227	Rsa1.0.00415.1	614	86795	0	389	408	95 +	205	612	4549	4956
UN65228	Rsa1.0.02119.1	791	34833	0	667	695	95 +	22	707	5724	6415
UN65229	Rsa1.0.02433.1	364	158318	2.00E-71	146	149	97 -	55	203	131673	131821
UN65230	Rsa1.0.03971.1	583	19788	1.00E-79	157	159	98 +	92	250	18010	18168
UN65231	Rsa1.0.00818.1	684	62939	0	651	700	93 +	13	683	35464	36163
UN65232	Rsa1.0.04379.1	749	17646	0	423	424	99 -	62	484	5536	5959
UN65233	Rsa1.0.00132.1	637	124299	0	582	607	95 +	35	637	52499	53102
UN65234	Rsa1.0.00075.1	697	146680	1.00E-64	126	126	100 -	125	250	31518	31643
UN65235	Rsa1.0.16368.1	581	2175	0	518	530	97 +	1	530	311	840
UN65236	Rsa1.0.01205.1	753	50795	0	487	497	97 -	212	705	8626	9119
UN65237	Rsa1.0.01752.1	532	39805	1.00E-104	211	217	97 +	232	448	3243	3459
UN65238	Rsa1.0.00070.1	582	150321	7.00E-69	157	165	95 +	128	292	33797	33961
UN65239	Rsa1.0.00863.1	617	254535	0	480	512	93 +	121	617	109797	110307
UN65240	Rsa1.0.02053.1	755	35554	0	359	368	97 +	38	404	31854	32221
UN65241	Rsa1.0.00930.1	429	59224	3.00E-67	139	142	97 +	62	203	48986	49127
UN65242	Rsa1.0.00272.1	637	447836	1.00E-129	256	262	97 -	12	272	427664	427925
UN65243	Rsa1.0.05073.1	577	14925	1.00E-115	240	250	96 +	272	521	5489	5738
UN65244	Rsa1.0.00672.1	754	69358	0	634	659	96 -	2	649	34475	35131
UN65245	Rsa1.0.00668.1	546	69421	0	537	552	97 +	1	546	29319	29869

UN65246	Rsa1.0.00058.1	646	159921	1.00E-168	353	371	95 -	276	646	52482	52852
UN65247	Rsa1.0.02859.1	256	162118	1.00E-107	249	259	96 -	3	256	15956	16212
UN65248	Rsa1.0.01077.1	526	54772	1.00E-100	261	281	92 -	249	522	15170	15448
UN65249	Rsa1.0.06019.1	746	11916	1.00E-154	289	293	98 +	191	483	2196	2488
UN65250	Rsa1.0.17854.1	766	1725	0	562	587	95 -	182	766	921	1504
UN65251	Rsa1.0.01540.1	103	151890	4.00E-32	101	106	95 -	2	103	142976	143081
UN65252	Rsa1.0.00092.1	806	659932	0	544	597	91 -	18	593	170691	171278
UN65253	Rsa1.0.07528.1	580	9195	0	547	577	94 +	5	580	3310	3883
UN65254	Rsa1.0.09571.1	569	6280	0	531	569	93 +	2	569	835	1403
UN65255	Rsa1.0.02749.1	503	28241	6.00E-75	146	147	99 +	24	170	1631	1777
UN65256	Rsa1.0.20862.1	448	1261	1.00E-144	369	400	92 -	3	386	312	709
UN65257	Rsa1.0.00130.1	463	125737	1.00E-54	135	142	95 -	13	154	23477	23613
UN65258	Rsa1.0.01388.1	665	46741	1.00E-158	405	443	91 +	13	443	16613	17050
UN65259	Rsa1.0.00224.1	621	327530	1.00E-109	221	228	96 +	394	621	208584	208811
UN65260	Rsa1.0.00262.1	712	101906	0	684	704	97 -	3	702	87592	88294
UN65261	Rsa1.0.01412.1	525	46311	0	415	425	97 -	9	430	26018	26442
UN65262	Rsa1.0.01168.1	381	153765	1.00E-148	356	382	93 -	1	378	26387	26765
UN65263	Rsa1.0.00493.1	766	80007	1.00E-175	333	340	97 -	370	709	19650	19989
UN65264	Rsa1.0.00563.1	258	75491	1.00E-120	234	239	97 -	12	250	74314	74552
UN65265	Rsa1.0.01919.1	758	37272	2.00E-73	173	180	96 -	4	180	6410	6588
UN65266	Rsa1.0.01104.1	685	285480	1.00E-159	370	402	92 +	2	388	266582	266983
UN65267	Rsa1.0.02616.1	242	29542	8.00E-82	213	234	91 -	2	235	342	566
UN65268	Rsa1.0.01695.1	641	40848	1.00E-171	360	380	94 +	35	414	5566	5936
UN65269	Rsa1.0.00309.1	505	96883	1.00E-85	161	161	100 -	3	163	67342	67502
UN65270	Rsa1.0.00023.1	646	194764	0	552	604	91 +	47	646	94507	95086
UN65271	Rsa1.0.00426.1	703	85668	7.00E-97	204	212	96 -	166	377	34554	34765
UN65272	Rsa1.0.04357.1	750	17762	0	518	563	92 +	3	553	4106	4664
UN65273	Rsa1.0.00844.1	672	62403	0	327	327	100 +	346	672	55255	55581
UN65274	Rsa1.0.01039.1	725	55946	0	576	592	97 +	2	593	12608	13199
UN65275	Rsa1.0.02551.1	644	30196	1.00E-89	180	184	97 -	14	197	27835	28018
UN65276	Rsa1.0.04919.1	706	15440	1.00E-132	258	262	98 -	409	668	4628	4888
UN65277	Rsa1.0.01532.1	730	43767	0	710	733	96 -	2	730	7343	8074
UN65278	Rsa1.0.00039.1	630	296927	0	605	630	96 +	1	630	66632	67261
UN65279	Rsa1.0.00228.1	788	105511	0	699	722	96 +	39	758	97676	98397
UN65280	Rsa1.0.00543.1	771	76788	0	535	563	95 +	113	663	13771	14330
UN65281	Rsa1.0.01148.1	695	52375	1.00E-102	195	197	98 -	205	401	47833	48029
UN65282	Rsa1.0.01495.1	691	44613	0	556	596	93 -	105	691	19431	20014
UN65283	Rsa1.0.00230.1	690	105389	1.00E-170	363	381	95 +	1	378	808	1187
UN65284	Rsa1.0.00034.1	760	260119	1.00E-144	289	299	96 -	160	458	15588	15886

UN65285	Rsa1.0.33384.1	799	679	1.00E-172	346	359	96 -	99	457	173	531
UN65286	Rsa1.0.01881.1	655	37721	0	559	571	97 -	85	655	7997	8564
UN65287	Rsa1.0.02849.1	274	27327	3.00E-29	72	74	97 -	199	272	22557	22630
UN65288	Rsa1.0.09468.1	224	6346	2.00E-66	165	172	95 +	57	224	6121	6292
UN65289	Rsa1.0_00201.1	352	232851	4.00E-72	206	223	92 -	138	351	109854	110072
UN65290	Rsa1.0_00447.1	679	84051	0	365	372	98 -	309	679	16757	17128
UN65291	Rsa1.0.00184.1	405	218748	2.00E-71	153	157	97 -	185	340	212050	212206
UN65292	Rsa1.0.02130.1	551	34755	1.00E-179	368	382	96 +	169	549	11852	12232
UN65293	Rsa1.0.02637.1	631	29244	0	608	617	98 -	15	631	24589	25205
UN65294	Rsa1.0.00939.1	753	185227	0	490	508	96 +	240	747	37737	38244
UN65295	Rsa1.0.00149.1	749	305196	0	459	470	97 -	234	703	28569	29035
UN65296	Rsa1.0.00192.1	610	278200	0	585	608	96 +	3	610	273212	273813
UN65297	Rsa1.0.03615.1	717	21766	0	689	715	96 +	2	716	17436	18148
UN65298	Rsa1.0.00087.1	416	761073	2.00E-62	125	126	99 +	210	335	217067	217192
UN65299	Rsa1.0.01256.1	694	49770	0	487	490	99 +	205	694	28746	29235
UN65300	Rsa1.0.01105.1	719	53958	0	559	581	96 -	129	708	40892	41472
UN65301	Rsa1.0.01605.1	670	42442	0	398	419	94 +	256	670	30787	31205
UN65302	Rsa1.0.47147.1	623	479	2.33E-156	268	270	99 -	3	272	36	305
UN65303	Rsa1.0.00318.1	622	96094	1.00E-126	266	276	96 -	7	279	82946	83221
UN65304	Rsa1.0.00001.1	642	363028	1.00E-129	238	239	99 -	3	241	255791	256029
UN65305	Rsa1.0.01844.1	561	38421	1.00E-125	279	296	94 +	266	561	16246	16531
UN65306	Rsa1.0.05204.1	217	14516	7.00E-85	172	175	98 -	44	217	6215	6389
UN65307	Rsa1.0.01382.1	721	46877	0	632	645	97 -	81	721	28297	28941
UN65308	Rsa1.0.15319.1	803	2689	1.00E-113	256	272	94 +	43	314	2418	2689
UN65309	Rsa1.0.29040.1	676	794	1.00E-133	265	273	97 +	404	676	183	455
UN65310	Rsa1.0.00821.1	792	62891	1.00E-114	222	225	98 +	159	383	44817	45040
UN65311	Rsa1.0.00686.1	763	68511	0	759	766	99 +	3	763	26775	27540
UN65312	Rsa1.0.01781.1	593	39410	2.00E-56	226	264	85 +	192	452	28553	28794
UN65313	Rsa1.0.02609.1	635	29600	0	503	538	93 -	1	532	4090	4627
UN65314	Rsa1.0.02613.1	738	29557	1.00E-135	283	293	96 -	448	738	21081	21373
UN65315	Rsa1.0.05257.1	806	14343	0	457	467	97 -	341	806	2282	2748
UN65316	Rsa1.0.00049.1	715	167018	0	380	398	95 +	5	402	80762	81159
UN65317	Rsa1.0.08565.1	706	7189	6.00E-79	169	174	97 -	70	243	3219	3391
UN65318	Rsa1.0.08520.1	659	7241	1.00E-170	321	326	98 +	336	659	6156	6481
UN65319	Rsa1.0.16435.1	484	2156	1.00E-119	217	217	100 +	268	484	1198	1414
UN65320	Rsa1.0.02924.1	650	26736	2.00E-41	105	111	94 +	334	444	18355	18465
UN65321	Rsa1.0.00035.1	427	176449	1.00E-137	279	288	96 -	135	421	52629	52916
UN65322	Rsa1.0.11726.1	646	5427	1.00E-55	111	111	100 -	365	475	4840	4950
UN65323	Rsa1.0.02422.1	566	161122	0	366	372	98 -	1	371	156025	156395

UN65324	Rsa1.0_00250.1	666	273771	4.00E-43	162	182	89 -	198	378	3714	3893
UN65325	Rsa1.0_01228.1	404	50238	1.00E-155	318	329	96 -	67	394	1725	2051
UN65326	Rsa1.0_00069.1	310	403561	4.00E-69	167	177	94 -	3	179	151346	151521
UN65327	Rsa1.0_02435.1	213	31454	1.00E-92	206	216	95 +	4	213	19863	20078
UN65328	Rsa1.0_00367.1	642	90750	1.00E-141	260	262	99 +	1	262	2084	2345
UN65329	Rsa1.0_01104.1	570	285480	0	558	569	98 +	3	570	158631	159197
UN65330	Rsa1.0_00502.1	650	204180	0	538	589	91 -	74	650	63795	64372
UN65331	Rsa1.0_00293.1	205	339294	1.00E-106	201	202	99 -	1	201	248553	248754
UN65332	Rsa1.0_03668.1	280	21483	4.00E-53	118	122	96 +	30	151	10947	11068
UN65333	Rsa1.0_00301.1	264	365315	1.00E-107	249	261	95 +	8	264	27313	27573
UN65334	Rsa1.0_14292.1	726	3569	1.00E-166	311	316	98 +	120	435	804	1119
UN65335	Rsa1.0_00184.1	562	218748	1.00E-134	269	277	97 -	286	562	211932	212206
UN65336	Rsa1.0_08781.1	685	6927	0	620	666	93 -	2	667	6217	6882
UN65337	Rsa1.0_03805.1	485	20746	1.00E-148	275	277	99 +	3	277	10463	10739
UN65338	Rsa1.0_00599.1	614	73418	0	541	555	97 -	2	556	62011	62564
UN65339	Rsa1.0_00126.1	798	127534	1.00E-142	301	316	95 +	108	423	37046	37361
UN65340	Rsa1.0_01415.1	672	46263	0	415	423	98 -	167	589	21791	22213
UN65341	Rsa1.0_03054.1	823	25738	1.00E-137	278	287	96 +	363	648	14197	14483
UN65342	Rsa1.0_01719.1	750	40388	2.00E-85	195	205	95 +	547	750	19145	19349
UN65343	Rsa1.0_00116.1	595	365886	9.00E-93	213	224	95 -	3	225	244253	244474
UN65344	Rsa1.0_07056.1	600	9969	1.00E-119	285	308	92 +	299	600	6091	6398
UN65345	Rsa1.0_00122.1	618	265937	1.00E-119	454	533	85 -	2	534	214754	215286
UN65346	Rsa1.0_00489.1	257	80434	1.00E-52	114	117	97 +	137	253	47295	47411
UN65347	Rsa1.0_07963.1	819	8167	0	397	405	98 +	2	405	7749	8153
UN65348	Rsa1.0_04456.1	696	17260	1.00E-101	272	299	90 +	190	486	7155	7443
UN65349	Rsa1.0_01422.1	761	46172	8.00E-94	225	242	92 +	18	253	12736	12977
UN65350	Rsa1.0_00047.1	678	168582	1.00E-112	215	218	98 +	314	531	136923	137140
UN65351	Rsa1.0_00472.1	509	398134	0	477	512	93 +	1	509	269687	270191
UN65352	Rsa1.0_00201.1	706	232851	1.00E-102	243	255	95 +	1	251	70109	70360
UN65353	Rsa1.0_01888.1	700	37563	5.00E-58	118	119	99 -	367	485	34108	34226
UN65354	Rsa1.0_05056.1	402	14981	1.00E-102	272	297	91 -	11	305	9085	9376
UN65355	Rsa1.0_04288.1	294	18077	3.00E-66	156	160	97 -	139	294	7831	7990
UN65356	Rsa1.0_08565.1	718	7189	3.00E-47	161	178	90 -	101	276	3219	3391
UN65357	Rsa1.0_00205.1	631	193401	0	442	452	97 -	180	631	175857	176308
UN65358	Rsa1.0_00404.1	752	87635	0	646	652	99 +	2	651	60367	61018
UN65359	Rsa1.0_00111.1	736	390088	0	487	506	96 +	194	696	177208	177713
UN65360	Rsa1.0_00229.1	709	105471	0	702	709	99 -	3	709	51504	52212
UN65361	Rsa1.0_00104.1	581	368722	1.00E-152	295	302	97 +	3	301	255735	256036
UN65362	Rsa1.0_00811.1	730	63242	0	711	726	97 +	3	726	24491	25216

UN65363	Rsa1.0.03300.1	758	23937	0	355	361	98 +	398	758	8923	9283
UN65364	Rsa1.0.03344.1	740	23593	1.00E-83	289	328	88 -	3	324	21974	22296
UN65365	Rsa1.0.11595.1	735	5463	1.00E-156	314	323	97 -	193	514	1201	1521
UN65366	Rsa1.0.00605.1	843	73199	1.00E-172	330	338	97 -	124	461	72388	72725
UN65367	Rsa1.0.00889.1	846	60978	1.00E-174	330	334	98 -	436	767	5241	5574
UN65368	Rsa1.0.02234.1	664	33618	1.00E-159	309	317	97 -	253	569	4218	4534
UN65369	Rsa1.0.01678.1	805	162174	0	366	367	99 +	85	450	121487	121853
UN65370	Rsa1.0.03169.1	788	24826	1.00E-177	324	327	99 -	47	373	21963	22289
UN65371	Rsa1.0.06010.1	778	11944	1.00E-177	479	531	90 +	204	732	4866	5396
UN65372	Rsa1.0.00894.1	595	269700	0	499	499	100 +	97	595	117605	118103
UN65373	Rsa1.0.01595.1	619	175383	1.00E-121	235	240	97 +	164	403	22598	22837
UN65374	Rsa1.0.03813.1	333	20708	9.00E-64	205	227	90 +	105	326	2017	2238
UN65375	Rsa1.0.00008.1	569	358124	1.00E-144	319	337	94 +	3	334	170488	170824
UN65376	Rsa1.0.02900.1	585	26928	0	394	404	97 -	183	585	1352	1755
UN65377	Rsa1.0.02901.1	660	26909	1.00E-105	209	214	97 -	288	501	12880	13093
UN65378	Rsa1.0.00705.1	613	67505	2.00E-78	152	153	99 +	1	153	42987	43139
UN65379	Rsa1.0.03733.1	138	21108	8.00E-53	129	137	94 -	2	138	4895	5031
UN65380	Rsa1.0.00869.1	675	61627	0	459	474	96 +	203	675	25272	25742
UN65381	Rsa1.0.01199.1	652	163576	1.00E-115	219	222	98 +	1	222	7658	7879
UN65382	Rsa1.0.01078.1	646	316910	1.00E-172	376	397	94 +	254	646	134426	134822
UN65383	Rsa1.0.02409.1	254	31663	8.00E-79	152	153	99 +	92	244	1762	1914
UN65384	Rsa1.0.02494.1	283	132923	1.00E-53	113	115	98 +	161	275	3899	4013
UN65385	#	#	#	#	#	#	#	#	#	#	#
UN65386	Rsa1.0.00611.1	670	72410	0	401	412	97 -	260	670	41862	42273
UN65387	Rsa1.0.03191.1	630	145762	1.00E-103	205	210	97 -	8	217	24113	24322
UN65388	Rsa1.0.00526.1	164	169279	5.00E-39	82	82	100 +	4	85	147749	147830
UN65389	Rsa1.0.00398.1	243	88007	6.00E-92	219	231	94 -	3	231	44712	44941
UN65390	Rsa1.0.34213.1	822	662	4.00E-68	238	275	86 -	143	411	161	426
UN65391	Rsa1.0.00223.1	783	106231	2.00E-51	107	108	99 -	485	592	37447	37554
UN65392	Rsa1.0.00012.1	684	222148	1.00E-153	354	384	92 +	132	506	110286	110657
UN65393	Rsa1.0.00269.1	654	341668	2.00E-78	170	177	96 +	201	377	289393	289569
UN65394	Rsa1.0.00133.1	779	123768	9.00E-66	169	185	91 +	521	693	861	1045
UN65395	Rsa1.0.02433.1	745	158318	2.00E-72	214	236	90 -	28	259	23130	23363
UN65396	Rsa1.0.00016.1	681	831256	2.00E-69	134	134	100 +	22	155	782864	782997
UN65397	Rsa1.0.00284.1	688	323267	8.00E-72	144	146	98 -	431	576	135493	135638
UN65398	Rsa1.0.05179.1	646	14576	0	632	645	97 +	2	646	890	1534
UN65399	Rsa1.0.03090.1	578	25464	0	566	578	97 -	2	578	18568	19145
UN65400	Rsa1.0.27089.1	545	866	1.00E-161	434	482	90 -	23	504	388	866
UN65401	Rsa1.0.00336.1	471	445051	1.00E-119	369	422	87 +	63	471	25324	25725

UN65402	Rsa1.0_00706.1	696	291570	3.00E-62	179	198	90 -	339	536	28510	28707
UN65403	Rsa1.0_01068.1	609	55208	1.00E-166	305	308	99 -	3	310	46500	46807
UN65404	Rsa1.0_00928.1	647	59293	0	603	667	90 -	1	647	6827	7486
UN65405	Rsa1.0_00886.1	432	167350	1.00E-117	258	268	96 -	169	432	42785	43050
UN65406	Rsa1.0_00915.1	776	194446	0	603	635	94 -	139	771	19289	19923
UN65407	Rsa1.0_00251.1	695	303968	2.00E-54	163	178	91 -	4	173	57785	57959
UN65408	Rsa1.0_00721.1	601	66918	1.00E-158	335	353	94 +	218	570	27433	27779
UN65409	Rsa1.0_01473.1	372	45094	2.00E-89	183	187	97 +	2	187	14557	14743
UN65410	Rsa1.0_00523.1	622	178770	0	606	622	97 +	2	622	113828	114449
UN65411	Rsa1.0_05541.1	544	139959	1.00E-132	242	243	99 -	173	415	134310	134552
UN65412	Rsa1.0_04248.1	800	18287	2.00E-69	174	183	95 +	563	738	5494	5676
UN65413	Rsa1.0_00652.1	624	70089	0	597	623	95 +	2	624	13820	14442
UN65414	Rsa1.0_01327.1	689	48033	0	455	469	97 +	2	468	23907	24375
UN65415	Rsa1.0_01553.1	609	43379	0	564	596	94 +	3	590	15810	16405
UN65416	Rsa1.0_01112.1	651	310601	0	545	557	97 -	93	647	163830	164386
UN65417	Rsa1.0_00003.1	779	340054	0	717	750	95 -	32	779	172485	173234
UN65418	Rsa1.0_08427.1	765	7371	0	744	770	96 +	4	765	1270	2033
UN65419	Rsa1.0_00252.1	729	102760	0	441	454	97 -	3	450	78223	78676
UN65420	Rsa1.0_00408.1	652	176752	1.00E-159	288	289	99 -	4	292	108966	109254
UN65421	Rsa1.0_00830.1	607	62685	1.00E-107	314	352	89 -	262	606	50218	50569
UN65422	Rsa1.0_00131.1	683	432233	1.00E-118	234	240	97 -	87	326	67199	67438
UN65423	Rsa1.0_00016.1	798	831256	1.00E-127	258	267	96 -	3	269	239826	240092
UN65424	Rsa1.0_05574.1	599	13290	1.00E-176	356	369	96 -	4	372	4397	4764
UN65425	Rsa1.0_06542.1	659	10805	0	620	628	98 +	35	659	8210	8837
UN65426	Rsa1.0_00582.1	798	74333	1.00E-177	377	394	95 +	46	434	15884	16274
UN65427	Rsa1.0_02497.1	744	30797	3.00E-50	160	177	90 +	4	180	26772	26945
UN65428	Rsa1.0_03821.1	712	20643	2.00E-94	176	176	100 +	205	380	4155	4330
UN65429	Rsa1.0_06825.1	679	10297	0	564	592	95 -	61	652	9262	9841
UN65430	Rsa1.0_01000.1	653	57140	2.00E-81	208	222	93 -	4	218	19064	19284
UN65431	Rsa1.0_05448.1	733	13712	1.00E-105	197	198	99 -	485	682	12701	12898
UN65432	Rsa1.0_27329.1	623	857	1.00E-135	294	309	95 -	307	614	549	857
UN65433	Rsa1.0_01039.1	516	55946	0	509	513	99 -	2	514	4368	4880
UN65434	Rsa1.0_02622.1	594	142402	0	579	592	97 -	5	594	7986	8577
UN65435	Rsa1.0_01859.1	442	38073	0	432	439	98 +	2	439	11385	11820
UN65436	Rsa1.0_11534.1	618	5477	0	397	421	94 +	199	618	502	922
UN65437	Rsa1.0_26654.1	618	883	0	459	484	94 +	43	512	197	680
UN65438	Rsa1.0_01339.1	489	47813	0	459	493	93 +	2	489	3808	4291
UN65439	Rsa1.0_08150.1	644	7832	0	551	593	92 -	18	607	7130	7717
UN65440	Rsa1.0_00350.1	494	92346	0	460	498	92 +	3	492	45484	45981

UN65441	Rsa1.0_00501.1	765	79545	0	434	442	98 +	76	517	18563	19004
UN65442	Rsa1.0_00336.1	659	445051	0	517	527	98 +	133	659	209876	210402
UN65443	Rsa1.0_00440.1	770	84723	1.00E-154	288	292	98 +	2	293	55506	55797
UN65444	Rsa1.0_00101.1	645	267193	0	595	644	92 -	7	645	105259	105880
UN65445	Rsa1.0_00352.1	737	92266	0	535	547	97 -	13	558	26244	26789
UN65446	Rsa1.0_00079.1	599	606987	1.00E-159	338	356	94 +	244	599	131777	132132
UN65447	Rsa1.0_00159.1	587	431686	0	540	585	92 -	3	587	329133	329700
UN65448	Rsa1.0_02386.1	730	31895	0	434	456	95 -	275	730	11412	11867
UN65449	Rsa1.0_04808.1	758	15893	0	410	438	93 -	3	439	13072	13499
UN65450	Rsa1.0_04775.1	769	16025	0	701	732	95 +	4	724	4036	4767
UN65451	Rsa1.0_03862.1	519	20400	0	427	442	96 -	1	442	19163	19604
UN65452	Rsa1.0_03741.1	640	143933	0	600	625	96 -	2	624	8538	9159
UN65453	Rsa1.0_00457.1	760	337301	0	733	768	95 -	3	760	330564	331331
UN65454	Rsa1.0_00277.1	756	100132	0	500	528	94 -	230	747	16790	17315
UN65455	#	#	#	#	#	#	#	#	#	#	#
UN65456	Rsa1.0_04369.1	688	17703	3.00E-93	198	206	96 -	301	506	498	703
UN65457	#	#	#	#	#	#	#	#	#	#	#
UN65458	Rsa1.0_00055.1	538	520193	0	518	556	93 -	3	538	344879	345431
UN65459	Rsa1.0_00891.1	810	60724	1.00E-92	176	177	99 -	264	440	35838	36014
UN65460	Rsa1.0_00280.1	688	99966	0	514	538	95 -	151	688	31328	31862
UN65461	Rsa1.0_03134.1	706	145023	0	621	658	94 +	1	656	134634	135288
UN65462	Rsa1.0_00208.1	772	108565	0	619	633	97 -	3	634	32082	32713
UN65463	Rsa1.0_00092.1	706	659932	1.00E-175	346	356	97 -	140	494	24777	25132
UN65464	Rsa1.0_00010.1	650	294827	0	490	516	94 +	2	511	116714	117229
UN65465	Rsa1.0_05947.1	430	12142	1.00E-147	281	286	98 -	148	430	5633	5918
UN65466	Rsa1.0_01118.1	295	53460	3.00E-85	222	243	91 -	3	235	14781	15022
UN65467	Rsa1.0_01664.1	300	41364	1.00E-152	293	300	97 +	1	300	5370	5669
UN65468	Rsa1.0_00146.1	710	149343	1.00E-124	229	230	99 +	106	335	51216	51445
UN65469	Rsa1.0_01484.1	674	44806	0	538	579	92 +	93	660	24906	25478
UN65470	Rsa1.0_02791.1	680	27832	6.00E-85	163	164	99 +	436	599	6550	6713
UN65471	Rsa1.0_15329.1	787	2682	0	742	797	93 -	2	781	521	1315
UN65472	Rsa1.0_00149.1	651	305196	7.00E-97	215	226	95 +	429	651	104054	104279
UN65473	Rsa1.0_01211.1	672	50646	1.00E-105	203	206	98 +	454	659	18720	18925
UN65474	Rsa1.0_00108.1	647	478491	0	493	516	95 +	135	647	301753	302261
UN65475	Rsa1.0_00198.1	699	222963	0	574	596	96 -	2	597	24525	25120
UN65476	Rsa1.0_00682.1	606	68680	0	582	606	96 -	2	606	12466	13069
UN65477	Rsa1.0_01588.1	143	42724	2.00E-65	140	144	97 -	3	143	16319	16462
UN65478	Rsa1.0_51216.1	720	444	1.00E-121	221	221	100 +	168	388	1	221
UN65479	Rsa1.0_00900.1	778	60367	2.33E-156	345	373	92 +	307	679	39918	40278

UN65480	Rsa1.0.00429.1	509	85559	0	350	352	99 -	9	360	55860	56210
UN65481	Rsa1.0.00917.1	779	182012	1.00E-126	233	234	99 -	466	699	130798	131031
UN65482	#	#	#	#	#	#	#	#	#	#	#
UN65483	Rsa1.0.03643.1	641	21607	1.00E-137	253	255	99 +	368	622	19934	20188
UN65484	Rsa1.0.00045.1	211	328694	4.00E-40	93	96	96 +	2	97	13072	13167
UN65485	Rsa1.0.00752.1	608	65756	2.00E-81	225	244	92 +	109	348	30640	30881
UN65486	Rsa1.0.00179.1	563	393324	0	531	536	99 -	28	563	353556	354091
UN65487	Rsa1.0.03694.1	660	21336	3.00E-77	156	159	98 +	5	163	3235	3393
UN65488	Rsa1.0.00188.1	342	112020	1.00E-53	194	218	88 +	2	217	23046	23260
UN65489	Rsa1.0.04272.1	639	18144	1.00E-145	316	333	94 +	3	332	13001	13325
UN65490	Rsa1.0.00243.1	552	103651	1.00E-164	344	359	95 -	1	357	64362	64718
UN65491	Rsa1.0.00253.1	624	231292	1.00E-117	235	242	97 +	190	431	123819	124060
UN65492	Rsa1.0.02774.1	350	28038	1.00E-102	191	192	99 +	81	272	1	192
UN65493	Rsa1.0.07066.1	227	9954	4.00E-34	94	98	95 -	132	227	8161	8258
UN65494	Rsa1.0.00522.1	617	78103	0	580	618	93 +	2	617	22078	22690
UN65495	Rsa1.0.00083.1	757	442773	1.00E-148	276	279	98 -	3	281	312965	313243
UN65496	Rsa1.0.00133.1	428	123768	2.00E-87	173	176	98 +	3	178	66315	66490
UN65497	Rsa1.0.15323.1	590	2685	1.00E-39	99	103	96 +	102	202	2507	2609
UN65498	Rsa1.0.01099.1	652	158481	3.00E-71	146	149	97 -	73	221	43472	43620
UN65499	Rsa1.0.03487.1	513	22564	0	328	330	99 +	2	331	8625	8954
UN65500	Rsa1.0.00684.1	533	141701	1.00E-166	356	368	96 -	172	533	54331	54698
UN65501	Rsa1.0.00005.1	624	353093	9.00E-84	167	170	98 +	316	485	120151	120320
UN65502	Rsa1.0.15499.1	541	2570	1.00E-117	252	266	94 -	87	343	1132	1397
UN65503	Rsa1.0.01571.1	680	43000	2.00E-94	193	198	97 -	483	680	22320	22514
UN65504	Rsa1.0.04220.1	564	18421	0	368	376	97 -	151	526	11673	12048
UN65505	Rsa1.0.00163.1	648	116847	0	414	425	97 +	225	648	84574	84998
UN65506	Rsa1.0.02085.1	540	35198	1.00E-104	237	253	93 +	26	269	15845	16097
UN65507	Rsa1.0.00397.1	435	88189	1.00E-91	219	236	92 +	8	235	53853	54088
UN65508	Rsa1.0.09146.1	346	6610	1.00E-72	176	183	96 -	168	346	43	225
UN65509	Rsa1.0.03043.1	772	130531	1.00E-111	226	233	96 -	335	567	129647	129879
UN65510	Rsa1.0.00714.1	171	67187	9.00E-44	109	114	95 +	45	157	13249	13362
UN65511	Rsa1.0.06992.1	320	10059	1.00E-119	250	260	96 -	1	256	1662	1918
UN65512	Rsa1.0.00294.1	132	144860	7.00E-53	128	135	94 +	1	132	57055	57189
UN65513	Rsa1.0.00502.1	553	204180	1.00E-116	233	240	97 -	2	241	13044	13283
UN65514	Rsa1.0.01068.1	275	55208	9.00E-79	156	157	99 -	120	275	29134	29290
UN65515	Rsa1.0.01556.1	282	163858	8.00E-33	84	88	95 +	99	186	24658	24745
UN65516	Rsa1.0.00144.1	737	120708	0	719	725	99 -	4	724	98713	99437
UN65517	Rsa1.0.00045.1	225	328694	5.00E-49	150	165	90 -	3	163	97992	98156
UN65518	Rsa1.0.00127.1	349	127446	2.00E-71	172	182	94 -	10	186	18626	18807

UN65519	Rsa1.0.00071.1	606	345714	1.00E-121	256	267	95 +	5	269	52558	52824
UN65520	Rsa1.0.00804.1	751	63726	0	405	422	95 -	143	564	22813	23231
UN65521	Rsa1.0.03851.1	685	20451	1.00E-117	235	242	97 +	322	563	10944	11185
UN65522	Rsa1.0.00294.1	847	144860	0	524	546	95 +	77	621	57030	57575
UN65523	Rsa1.0.00040.1	775	324196	0	446	466	95 +	313	775	223524	223988
UN65524	Rsa1.0.06281.1	645	11317	0	427	443	96 -	206	645	3722	4164
UN65525	Rsa1.0.00055.1	258	520193	1.00E-117	250	263	95 -	4	258	353094	353356
UN65526	Rsa1.0.00093.1	575	214962	8.00E-81	156	157	99 -	419	575	90431	90587
UN65527	Rsa1.0.03169.1	684	24826	1.00E-125	246	252	97 -	36	287	18033	18284
UN65528	Rsa1.0.04220.1	764	18421	7.00E-82	155	155	100 -	1	155	13135	13289
UN65529	Rsa1.0.00223.1	584	106231	4.00E-52	120	125	96 +	189	313	68884	69008
UN65530	Rsa1.0.00865.1	600	61686	0	581	598	97 -	3	600	36037	36634
UN65531	#	#	#	#	#	#	#	#	#	#	#
UN65532	Rsa1.0.00048.1	708	167185	1.00E-106	221	228	96 +	21	248	148077	148303
UN65533	Rsa1.0.00125.1	615	253043	1.00E-126	331	369	89 -	3	368	187452	187801
UN65534	Rsa1.0.07341.1	784	9530	0	715	738	96 -	1	735	1331	2063
UN65535	Rsa1.0.00829.1	591	158305	6.00E-97	210	221	95 +	3	215	39868	40088
UN65536	Rsa1.0.00415.1	326	86795	2.00E-89	210	219	95 +	92	306	6405	6623
UN65537	Rsa1.0.02023.1	729	35922	0	696	711	97 -	24	729	9785	10494
UN65538	Rsa1.0.04689.1	753	16376	1.00E-158	301	307	98 +	342	648	3	309
UN65539	Rsa1.0.00163.1	757	116847	0	499	520	95 -	143	662	8611	9130
UN65540	Rsa1.0.01081.1	671	499226	0	645	669	96 -	1	666	43791	44459
UN65541	Rsa1.0.00698.1	797	67816	8.00E-94	215	223	96 +	542	760	43059	43281
UN65542	Rsa1.0.02606.1	574	29635	0	363	369	98 +	2	370	9198	9566
UN65543	Rsa1.0.00065.1	677	454616	1.00E-150	290	297	97 -	94	390	231797	232093
UN65544	Rsa1.0.33449.1	188	678	2.00E-60	121	122	99 -	3	124	110	231
UN65545	Rsa1.0.04383.1	199	17631	3.00E-84	170	174	97 +	23	196	3651	3824
UN65546	Rsa1.0.00063.1	607	156150	1.00E-173	317	320	99 +	117	436	141569	141888
UN65547	Rsa1.0.00990.1	780	57445	0	525	555	94 -	98	650	46214	46765
UN65548	Rsa1.0.24295.1	512	994	0	406	416	97 +	98	512	1	416
UN65549	Rsa1.0.00030.1	710	250988	1.00E-150	360	390	92 +	144	528	25630	26010
UN65550	Rsa1.0.00093.1	798	214962	1.00E-157	291	294	98 +	3	296	126182	126475
UN65551	Rsa1.0.00252.1	743	102760	1.00E-130	271	280	96 +	392	669	43752	44031
UN65552	Rsa1.0.02913.1	544	26816	0	534	547	97 +	1	544	19081	19626
UN65553	Rsa1.0.14046.1	350	3872	5.00E-87	166	167	99 +	173	339	543	709
UN65554	Rsa1.0.01688.1	221	40965	1.00E-98	212	221	95 +	1	221	36602	36820
UN65555	Rsa1.0.06732.1	626	10449	0	498	529	94 +	100	622	8112	8637
UN65556	Rsa1.0.01400.1	359	46560	5.00E-87	169	171	98 +	17	187	38840	39010
UN65557	Rsa1.0.00179.1	803	393324	0	402	422	95 +	311	721	208617	209038

UN65558	Rsa1.0.01466.1	240	45161	3.00E-75	157	159	98 -	84	240	14128	14286
UN65559	Rsa1.0.00198.1	376	222963	1.00E-107	293	328	89 +	9	315	105082	105406
UN65560	Rsa1.0.01371.1	272	47079	2.00E-52	108	109	99 +	34	142	24657	24765
UN65561	Rsa1.0.00596.1	264	73578	1.00E-65	133	135	98 +	93	227	27665	27799
UN65562	Rsa1.0.00116.1	167	365886	3.00E-71	147	150	98 -	5	151	139786	139935
UN65563	Rsa1.0.00332.1	663	94575	0	491	504	97 +	74	577	54514	55017
UN65564	Rsa1.0.00609.1	766	72785	0	689	731	94 -	31	749	17925	18639
UN65565	Rsa1.0.04902.1	792	15518	0	427	433	98 +	314	742	15080	15512
UN65566	Rsa1.0.01112.1	357	310601	1.00E-135	298	312	95 +	23	329	174755	175064
UN65567	Rsa1.0.00172.1	629	115476	0	594	623	95 +	3	622	7808	8430
UN65568	Rsa1.0.01338.1	612	155644	1.00E-141	290	302	96 -	162	463	143772	144073
UN65569	Rsa1.0.00111.1	411	390088	0	366	374	97 -	2	375	339031	339404
UN65570	Rsa1.0.00541.1	674	76863	1.00E-79	164	167	98 -	507	672	9175	9341
UN65571	Rsa1.0.14104.1	761	3807	1.00E-156	285	287	99 +	141	427	2174	2460
UN65572	Rsa1.0.00111.1	298	390088	1.00E-148	290	296	97 +	3	295	59717	60012
UN65573	Rsa1.0.00386.1	616	89134	6.00E-48	107	110	97 +	268	377	28012	28121
UN65574	Rsa1.0.01989.1	626	36439	0	479	503	95 +	3	497	12038	12536
UN65575	Rsa1.0.02313.1	804	32653	0	510	517	98 -	2	518	10333	10849
UN65576	Rsa1.0.37856.1	598	595	0	346	349	99 -	4	352	1	348
UN65577	Rsa1.0.04279.1	599	18113	1.00E-101	248	265	93 -	1	255	11165	11429
UN65578	Rsa1.0.00832.1	707	62622	0	411	424	96 -	285	707	43948	44371
UN65579	Rsa1.0.06038.1	822	11867	1.00E-141	260	262	99 +	364	625	6325	6586
UN65580	Rsa1.0.03783.1	755	20890	0	500	515	97 +	9	523	7271	7785
UN65581	Rsa1.0.00134.1	775	390219	0	746	776	96 +	2	773	198665	199440
UN65582	Rsa1.0.00122.1	711	265937	1.00E-113	255	270	94 -	442	711	222424	222691
UN65583	Rsa1.0.00727.1	716	66724	0	659	689	95 +	38	716	45003	45682
UN65584	Rsa1.0.05867.1	647	12375	0	625	677	92 -	3	647	10878	11548
UN65585	Rsa1.0.00018.1	774	410899	1.00E-154	434	475	91 +	30	494	259635	260108
UN65586	Rsa1.0.03912.1	620	135266	6.00E-85	178	184	96 -	184	367	2397	2580
UN65587	Rsa1.0.15016.1	131	2892	1.00E-42	109	116	93 -	16	131	788	903
UN65588	Rsa1.0.02581.1	268	29896	1.00E-115	252	265	95 -	4	268	11581	11843
UN65589	Rsa1.0.06310.1	649	11262	0	426	446	95 -	198	642	4431	4876
UN65590	Rsa1.0.02505.1	249	30703	6.00E-58	214	242	88 -	9	249	21742	21980
UN65591	Rsa1.0.00240.1	209	104175	2.00E-39	86	87	98 +	76	162	54060	54146
UN65592	Rsa1.0.01186.1	456	51418	0	442	458	96 -	1	456	3066	3522
UN65593	Rsa1.0.00233.1	766	104918	0	538	572	94 +	3	569	11661	12228
UN65594	Rsa1.0.07773.1	752	8599	1.00E-148	320	338	94 -	75	412	7189	7526
UN65595	Rsa1.0.00823.1	566	62889	0	564	564	100 -	3	566	5853	6416
UN65596	Rsa1.0.01444.1	758	169539	0	717	758	94 +	1	758	4675	5415

UN65597	Rsa1.0.00039.1	126	296927	1.00E-48	119	126	94 +	1	126	134015	134140
UN65598	Rsa1.0.00056.1	731	332604	0	495	513	96 -	222	731	8067	8579
UN65599	Rsa1.0.00132.1	833	124299	0	535	598	89 -	226	820	56418	56980
UN65600	Rsa1.0.00730.1	790	66673	0	762	791	96 +	1	790	38910	39688
UN65601	Rsa1.0.04722.1	635	16236	0	605	635	95 -	1	635	15071	15705
UN65602	Rsa1.0.01803.1	724	173846	0	529	556	95 -	3	554	37306	37853
UN65603	Rsa1.0.01768.1	471	138463	0	443	472	93 -	4	471	114058	114517
UN65604	Rsa1.0.07446.1	612	9384	0	502	512	98 +	87	595	1207	1718
UN65605	Rsa1.0.00026.1	758	327835	0	564	577	97 -	182	758	232934	233510
UN65606	Rsa1.0.00278.1	276	231896	4.00E-93	217	228	95 -	1	227	205906	206130
UN65607	Rsa1.0.03646.1	172	21598	4.00E-61	164	175	93 +	1	172	18050	18224
UN65608	Rsa1.0.13877.1	519	4169	0	469	480	97 -	41	519	1920	2399
UN65609	Rsa1.0.00384.1	408	89278	3.00E-76	148	149	99 -	260	408	81110	81258
UN65610	Rsa1.0.01220.1	619	161775	1.00E-132	326	352	92 +	268	619	5930	6275
UN65611	Rsa1.0.02411.1	518	31655	1.00E-134	267	273	97 +	1	271	27274	27545
UN65612	Rsa1.0.00173.1	407	288743	1.00E-130	284	300	94 +	1	295	213926	214225
UN65613	Rsa1.0.00214.1	605	107508	1.00E-152	330	348	94 +	1	342	26364	26711
UN65614	Rsa1.0.00213.1	160	108167	2.00E-59	155	167	92 +	1	160	93871	94037
UN65615	Rsa1.0.00928.1	419	59293	0	403	417	96 +	4	419	29536	29951
UN65616	Rsa1.0.00015.1	682	561803	0	676	683	98 +	1	682	430758	431440
UN65617	Rsa1.0.00533.1	784	77375	1.00E-175	317	319	99 +	1	319	63764	64082
UN65618	Rsa1.0.00696.1	187	68010	2.00E-54	138	148	93 -	9	156	17401	17548
UN65619	Rsa1.0.04786.1	123	15988	5.00E-23	70	75	93 -	49	123	3344	3418
UN65620	Rsa1.0.02282.1	530	163951	0	384	385	99 +	3	387	135949	136333
UN65621	Rsa1.0.00541.1	229	76863	1.00E-114	225	229	98 -	1	229	69024	69251
UN65622	Rsa1.0.00226.1	286	105884	1.00E-126	271	284	95 -	1	283	54143	54426
UN65623	Rsa1.0.00020.1	844	283099	0	449	458	98 -	3	456	91969	92426
UN65624	Rsa1.0.02196.1	637	34005	1.00E-178	360	372	96 +	1	369	9567	9934
UN65625	Rsa1.0.01195.1	230	147988	2.00E-76	206	226	91 +	5	226	15561	15786
UN65626	Rsa1.0.03037.1	831	25825	0	521	543	95 +	39	580	10624	11164
UN65627	Rsa1.0.26911.1	689	873	1.00E-109	203	204	99 -	102	305	670	873
UN65628	Rsa1.0.01310.1	342	164719	1.00E-167	332	342	97 -	1	342	153486	153826
UN65629	Rsa1.0.01635.1	425	41865	0	401	423	94 +	3	425	15963	16381
UN65630	Rsa1.0.00050.1	682	237174	1.00E-102	240	256	93 +	20	275	189043	189296
UN65631	Rsa1.0.02378.1	489	31991	1.00E-148	326	346	94 -	86	431	13753	14098
UN65632	Rsa1.0.00912.1	511	59923	1.00E-127	287	302	95 +	1	300	36982	37282
UN65633	Rsa1.0.01997.1	574	158416	1.00E-135	266	273	97 +	281	553	152195	152467
UN65634	Rsa1.0.03195.1	137	24673	2.00E-38	127	138	92 -	3	137	9478	9611
UN65635	Rsa1.0.02177.1	280	34262	4.00E-47	99	100	99 -	90	189	18836	18935

UN65636	Rsa1.0_34877.1	336	649	5.00E-90	208	219	94 +	7	222	364	577
UN65637	Rsa1.0_01859.1	636	38073	0	627	642	97 -	1	636	6684	7325
UN65638	Rsa1.0_00657.1	577	69858	1.00E-85	170	173	98 +	342	514	35587	35759
UN65639	Rsa1.0_00251.1	128	303968	4.00E-36	115	128	89 +	1	128	58166	58287
UN65640	Rsa1.0_00088.1	411	141341	3.00E-76	166	173	95 -	90	262	12667	12839
UN65641	Rsa1.0_01965.1	310	36698	5.00E-16	112	132	84 -	12	143	17675	17804
UN65642	Rsa1.0_00127.1	130	127446	2.00E-40	117	128	91 +	3	130	63001	63128
UN65643	Rsa1.0_07998.1	224	8105	1.00E-80	213	231	92 -	1	224	4774	5003
UN65644	Rsa1.0_06732.1	596	10449	0	582	585	99 -	12	596	6408	6992
UN65645	Rsa1.0_00236.1	655	104771	0	398	401	99 -	255	655	50024	50424
UN65646	Rsa1.0_00272.1	655	447836	1.00E-61	139	145	95 +	15	159	330462	330606
UN65647	Rsa1.0_00812.1	461	63233	1.00E-178	429	461	93 +	1	461	31479	31931
UN65648	Rsa1.0_00434.1	722	85171	1.00E-118	316	348	90 +	7	335	8213	8558
UN65649	Rsa1.0_00697.1	441	67913	1.00E-163	363	386	94 +	1	386	31774	32157
UN65650	Rsa1.0_00069.1	858	403561	0	403	417	96 -	447	858	103109	103524
UN65651	Rsa1.0_01073.1	172	55030	1.00E-24	135	159	84 +	19	172	12866	13019
UN65652	Rsa1.0_03972.1	623	19787	1.00E-163	339	355	95 -	1	355	13644	13998
UN65653	Rsa1.0_01467.1	369	45161	1.00E-133	282	294	95 -	2	291	23046	23339
UN65654	Rsa1.0_00995.1	143	57243	5.00E-54	134	143	93 -	1	143	21447	21589
UN65655	Rsa1.0_02871.1	373	27085	0	364	374	97 +	3	373	24821	25194
UN65656	Rsa1.0_00160.1	772	346678	0	586	603	97 +	170	772	156197	156799
UN65657	Rsa1.0_00949.1	179	58549	2.00E-44	113	119	94 +	8	126	9399	9516
UN65658	Rsa1.0_03448.1	138	22844	8.00E-22	53	53	100 -	75	127	1095	1147
UN65659	Rsa1.0_00101.1	471	267193	3.00E-92	184	188	97 +	257	444	255534	255721
UN65660	Rsa1.0_32052.1	373	711	1.00E-167	327	336	97 +	40	373	1	336
UN65661	Rsa1.0_04962.1	291	15312	2.00E-36	183	218	83 -	1	217	4851	5059
UN65662	Rsa1.0_03997.1	757	19652	0	675	703	96 +	65	757	10511	11208
UN65663	Rsa1.0_00018.1	563	410899	0	560	563	99 +	2	562	377805	378367
UN65664	Rsa1.0_00021.1	537	263655	3.00E-83	194	206	94 +	310	511	238126	238326
UN65665	Rsa1.0_01524.1	649	43949	0	635	655	96 +	1	649	8469	9121
UN65666	Rsa1.0_25968.1	740	911	0	608	639	95 +	107	740	260	898
UN65667	Rsa1.0_00505.1	871	79323	0	488	502	97 +	5	504	76836	77332
UN65668	Rsa1.0_10478.1	194	5832	1.00E-39	98	103	95 -	1	103	5141	5243
UN65669	Rsa1.0_00609.1	462	72785	1.00E-160	298	302	98 -	3	304	52765	53066
UN65670	Rsa1.0_00066.1	494	152418	6.00E-78	228	254	89 -	213	453	142611	142864
UN65671	Rsa1.0_00329.1	171	222544	3.00E-56	154	167	92 +	5	171	72508	72673
UN65672	Rsa1.0_00033.1	728	515811	0	401	414	96 +	1	412	333960	334369
UN65673	Rsa1.0_00328.1	774	224661	0	754	759	99 -	1	759	165839	166597
UN65674	Rsa1.0_04073.1	820	19238	1.00E-152	364	398	91 +	3	374	10551	10948

UN65675	Rsa1.0.02529.1	222	30437	3.00E-84	207	222	93 +	1	222	27984	28204
UN65676	Rsa1.0.01497.1	492	44559	0	457	473	96 -	21	491	40111	40580
UN65677	Rsa1.0.39538.1	771	569	1.00E-117	236	241	97 +	1	240	189	427
UN65678	Rsa1.0.21540.1	865	1194	1.00E-151	381	416	91 +	429	833	1	416
UN65679	Rsa1.0.01242.1	633	50066	1.00E-118	318	350	90 -	2	333	21407	21756
UN65680	Rsa1.0.00546.1	236	76523	1.00E-71	171	182	93 -	17	198	40096	40273
UN65681	Rsa1.0.01641.1	101	188213	6.00E-31	80	84	95 +	18	101	174787	174870
UN65682	Rsa1.0.00108.1	519	478491	1.00E-100	281	303	92 -	1	298	51602	51899
UN65683	Rsa1.0.00423.1	556	86138	0	512	519	98 +	1	519	6190	6708
UN65684	Rsa1.0.07998.1	387	8105	9.00E-89	181	186	97 -	202	387	4411	4596
UN65685	Rsa1.0.01203.1	445	50848	6.00E-84	161	162	99 -	227	388	42166	42327
UN65686	Rsa1.0.00037.1	662	307838	1.00E-115	306	331	92 -	349	662	306725	307052
UN65687	Rsa1.0.00099.1	645	159619	1.00E-166	387	416	93 -	233	645	46026	46427
UN65688	Rsa1.0.00697.1	686	67913	1.00E-138	300	318	94 +	8	325	50792	51101
UN65689	Rsa1.0.00421.1	690	86365	1.00E-113	290	310	93 -	1	300	18150	18456
UN65690	Rsa1.0.01348.1	699	47569	0	363	367	98 -	333	699	15735	16101
UN65691	Rsa1.0.22254.1	165	1137	1.00E-42	97	100	97 +	1	100	927	1026
UN65692	Rsa1.0.00476.1	678	280966	4.00E-95	186	189	98 -	458	646	5895	6083
UN65693	Rsa1.0.02711.1	354	28475	4.00E-38	96	101	95 -	218	318	24537	24637
UN65694	Rsa1.0.00018.1	171	410899	1.00E-70	162	170	95 +	2	171	228726	228888
UN65695	Rsa1.0.03140.1	366	25081	1.00E-105	233	243	95 -	4	241	12499	12741
UN65696	Rsa1.0.00180.1	433	114581	1.00E-128	268	281	95 -	3	283	61516	61788
UN65697	#	#	#	#	#	#	#	#	#	#	#
UN65698	Rsa1.0.07727.1	142	8700	8.00E-56	134	142	94 +	1	142	8392	8533
UN65699	Rsa1.0.00182.1	475	142305	0	473	474	99 +	3	475	66818	67291
UN65700	Rsa1.0.00686.1	232	68511	7.00E-76	177	188	94 +	1	188	61089	61276
UN65701	Rsa1.0.03235.1	461	24442	6.00E-78	148	148	100 +	178	325	15987	16134
UN65702	Rsa1.0.15196.1	557	2766	0	508	518	98 +	20	537	1411	1928
UN65703	Rsa1.0.03609.1	687	21798	1.00E-137	258	260	99 +	1	260	20749	21007
UN65704	Rsa1.0.00192.1	223	278200	2.00E-63	123	123	100 -	1	123	13989	14111
UN65705	Rsa1.0.01218.1	821	50536	1.00E-109	211	213	99 +	1	212	14245	14457
UN65706	Rsa1.0.00273.1	723	326186	1.00E-101	194	196	98 -	53	248	125342	125537
UN65707	Rsa1.0.13944.1	737	4039	1.00E-24	248	307	80 +	227	531	540	845
UN65708	Rsa1.0.00111.1	483	390088	1.00E-48	117	123	95 -	165	287	347943	348065
UN65709	Rsa1.0.00081.1	654	143261	0	516	522	98 -	133	654	100555	101076
UN65710	Rsa1.0.00804.1	885	63726	0	864	867	99 +	1	865	27351	28217
UN65711	Rsa1.0.02074.1	531	35370	0	454	490	92 +	9	495	12047	12525
UN65712	Rsa1.0.00868.1	535	61630	2.33E-156	344	367	93 -	1	364	15838	16199
UN65713	Rsa1.0.05858.1	655	12400	1.00E-121	296	322	91 -	2	310	9267	9584

UN65714	Rsa1.0.01281.1	659	49313	0	638	673	94 +	3	659	42579	43250
UN65715	Rsa1.0.00200.1	742	162016	1.00E-165	340	350	97 -	1	348	115230	115577
UN65716	Rsa1.0.00161.1	523	116891	1.00E-54	191	219	87 -	27	233	116333	116541
UN65717	Rsa1.0.33935.1	526	667	0	505	527	95 -	1	526	128	654
UN65718	Rsa1.0.02150.1	729	34580	0	690	706	97 -	1	706	27645	28350
UN65719	Rsa1.0.05467.1	276	13649	7.00E-55	164	183	89 -	1	183	7816	7986
UN65720	Rsa1.0.43533.1	657	516	1.00E-150	285	290	98 +	279	568	145	434
UN65721	Rsa1.0.02606.1	124	29635	6.00E-44	114	122	93 -	3	124	15410	15531
UN65722	Rsa1.0.07999.1	739	8102	0	729	740	98 -	1	739	5325	6061
UN65723	Rsa1.0.05963.1	710	12090	1.00E-174	316	318	99 -	2	319	6976	7293
UN65724	Rsa1.0.02748.1	751	28242	0	684	743	92 -	8	750	18400	19135
UN65725	Rsa1.0.01844.1	585	38421	1.00E-117	244	251	97 +	10	254	4295	4545
UN65726	Rsa1.0.00015.1	810	561803	0	436	457	95 -	1	447	401951	402405
UN65727	Rsa1.0.00484.1	498	203294	0	341	344	99 -	1	344	152574	152917
UN65728	Rsa1.0.03718.1	643	21195	1.00E-154	295	300	98 +	139	437	636	935
UN65729	Rsa1.0.00575.1	565	74791	1.00E-176	358	372	96 -	194	565	62046	62415
UN65730	Rsa1.0.00017.1	571	752458	1.00E-126	247	252	98 +	1	250	684880	685131
UN65731	Rsa1.0.08986.1	683	6733	0	667	683	97 -	1	682	5477	6159
UN65732	Rsa1.0.00207.1	644	248736	0	598	646	92 +	5	629	23834	24475
UN65733	Rsa1.0.00645.1	226	189716	2.00E-79	202	217	93 -	12	226	3708	3923
UN65734	Rsa1.0.00589.1	487	209965	8.00E-99	228	243	93 +	203	445	193047	193289
UN65735	Rsa1.0.01730.1	691	40223	0	640	675	94 -	22	691	35826	36488
UN65736	Rsa1.0.00931.1	374	59210	2.00E-65	216	242	89 +	2	238	6022	6259
UN65737	Rsa1.0.03981.1	725	19724	0	701	723	96 +	3	725	14326	15044
UN65738	Rsa1.0.07694.1	149	8776	6.00E-60	141	149	94 -	1	149	8304	8452
UN65739	Rsa1.0.00038.1	347	314568	3.00E-79	156	158	98 -	1	158	59647	59804
UN65740	Rsa1.0.07808.1	230	8504	1.00E-101	217	227	95 +	1	227	387	613
UN65741	Rsa1.0.00436.1	381	85008	1.00E-161	361	382	94 +	1	381	82017	82395
UN65742	Rsa1.0.01629.1	441	41917	1.00E-179	374	393	95 +	4	396	13290	13682
UN65743	Rsa1.0.12897.1	255	5085	5.00E-80	210	225	93 -	1	222	1	222
UN65744	Rsa1.0.04205.1	684	138772	0	534	578	92 +	1	560	8073	8650
UN65745	Rsa1.0.03774.1	544	20932	1.00E-121	256	267	95 -	17	283	17856	18120
UN65746	Rsa1.0.00033.1	528	515811	0	407	423	96 +	2	418	431476	431898
UN65747	Rsa1.0.00044.1	835	271658	0	765	821	93 -	22	831	61746	62563
UN65748	Rsa1.0.00056.1	667	332604	0	635	657	96 -	15	664	24587	25242
UN65749	Rsa1.0.03735.1	245	21087	1.00E-111	237	247	95 +	1	245	8019	8265
UN65750	Rsa1.0.03951.1	665	19894	0	366	380	96 -	1	380	1966	2345
UN65751	Rsa1.0.02015.1	371	36008	1.00E-102	216	225	96 -	9	233	24383	24607
UN65752	Rsa1.0.01115.1	554	183545	0	515	520	99 +	1	520	152593	153112

UN65753	Rsa1.0.02592.1	567	29751	0	533	569	93 -	1	567	19330	19893
UN65754	Rsa1.0.03376.1	795	23326	1.00E-142	399	439	90 +	1	429	18789	19224
UN65755	Rsa1.0.00016.1	765	831256	0	728	749	97 -	1	747	300146	300894
UN65756	Rsa1.0.02688.1	671	28644	0	540	565	95 -	10	572	26861	27403
UN65757	Rsa1.0.00059.1	747	159650	0	380	395	96 -	1	394	67322	67711
UN65758	Rsa1.0.01717.1	190	143162	1.00E-61	157	168	93 -	24	190	128737	128904
UN65759	Rsa1.0.01239.1	567	50107	1.00E-168	317	323	98 -	241	563	5199	5521
UN65760	Rsa1.0.01867.1	731	37960	0	713	727	98 -	5	731	25561	26287
UN65761	Rsa1.0.10227.1	737	5932	0	532	556	95 +	1	556	4895	5447
UN65762	Rsa1.0.04155.1	782	134772	0	613	636	96 -	126	759	131001	131634
UN65763	Rsa1.0.00144.1	855	120708	1.00E-108	215	220	97 +	539	758	13724	13943
UN65764	Rsa1.0.03638.1	301	21634	1.00E-84	174	179	97 -	123	301	1467	1645
UN65765	Rsa1.0.00485.1	823	80937	0	412	427	96 +	362	782	30565	30991
UN65766	Rsa1.0.00541.1	790	76863	0	723	765	94 +	1	762	67569	68330
UN65767	Rsa1.0.21189.1	827	1227	5.00E-89	185	191	96 -	107	297	1037	1227
UN65768	Rsa1.0.00226.1	816	105884	1.00E-136	258	262	98 +	171	432	53156	53417
UN65769	Rsa1.0.05003.1	795	15172	1.00E-159	285	285	100 -	511	795	9747	10031
UN65770	Rsa1.0.00020.1	781	283099	0	365	371	98 +	3	373	89983	90353
UN65771	Rsa1.0.52605.1	650	433	1.00E-150	394	439	89 -	142	559	4	433
UN65772	Rsa1.0.08919.1	824	6788	0	533	553	96 +	250	791	1	553
UN65773	Rsa1.0.01506.1	794	44370	3.00E-44	95	96	98 -	576	671	34499	34594
UN65774	Rsa1.0.03795.1	850	20818	1.00E-111	211	213	99 +	450	662	14745	14957
UN65775	Rsa1.0.01707.1	866	40686	0	391	401	97 -	329	729	25818	26218
UN65776	Rsa1.0.03990.1	801	19676	7.00E-85	209	219	95 -	581	795	8900	9116
UN65777	Rsa1.0.00354.1	443	232005	8.00E-99	207	214	96 +	232	443	54433	54646
UN65778	Rsa1.0.00096.1	835	198773	1.00E-116	243	253	96 -	175	427	107474	107726
UN65779	Rsa1.0.04415.1	661	147889	0	462	477	96 -	2	475	138725	139201
UN65780	Rsa1.0.00071.1	575	345714	0	554	584	94 +	3	575	70138	70709
UN65781	Rsa1.0.01261.1	738	49744	2.00E-85	199	213	93 -	231	443	38471	38674
UN65782	Rsa1.0.46280.1	788	488	0	470	488	96 +	256	742	1	488
UN65783	Rsa1.0.01675.1	320	41155	1.00E-56	170	189	89 -	1	180	14108	14296
UN65784	Rsa1.0.01169.1	563	51829	0	543	563	96 +	1	563	5735	6297
UN65785	Rsa1.0.00016.1	470	831256	8.00E-62	182	200	91 +	23	221	225588	225775
UN65786	Rsa1.0.00206.1	358	109040	6.00E-65	168	181	92 -	180	358	96792	96972
UN65787	Rsa1.0.02399.1	750	31763	0	648	686	94 -	1	686	12962	13640
UN65788	Rsa1.0.01605.1	759	42442	1.00E-116	225	229	98 -	1	229	33295	33523
UN65789	Rsa1.0.24918.1	527	961	0	508	538	94 +	1	527	297	834
UN65790	Rsa1.0.00005.1	647	353093	3.00E-62	177	195	90 +	31	224	116693	116879
UN65791	Rsa1.0.03218.1	182	24539	2.00E-54	159	176	90 +	1	176	3774	3949

UN65792	Rsa1.0.03567.1	323	22049	1.00E-131	282	297	94 +	1	297	3567	3863
UN65793	Rsa1.0.01050.1	749	55651	0	376	378	99 +	113	490	10908	11285
UN65794	Rsa1.0.00138.1	316	247040	1.00E-138	303	319	94 +	1	316	61946	62264
UN65795	Rsa1.0.00126.1	810	127534	1.00E-103	226	234	96 -	1	232	38254	38486
UN65796	Rsa1.0.00017.1	676	752458	0	669	676	98 -	1	676	296968	297642
UN65797	Rsa1.0.05169.1	371	14620	1.00E-143	342	365	93 +	5	367	7420	7772
UN65798	Rsa1.0.08348.1	401	7495	1.00E-94	200	208	96 +	1	208	1914	2121
UN65799	Rsa1.0.00661.1	822	213041	0	819	823	99 -	1	822	1335	2157
UN65800	Rsa1.0.02992.1	271	26176	4.00E-90	244	268	91 -	4	269	1235	1493
UN65801	Rsa1.0.00013.1	608	292129	0	403	420	95 +	1	418	160385	160802
UN65802	Rsa1.0.00253.1	846	231292	0	672	718	93 +	1	714	207929	208633
UN65803	Rsa1.0.03951.1	284	19894	1.00E-135	274	284	96 -	1	284	10116	10399
UN65804	Rsa1.0.00109.1	601	132735	0	596	605	98 -	3	600	94634	95238
UN65805	Rsa1.0.03028.1	742	25872	0	627	642	97 -	83	723	10794	11435
UN65806	Rsa1.0.00007.1	403	239325	0	391	403	97 +	1	403	213681	214077
UN65807	Rsa1.0.04275.1	127	18136	2.00E-40	115	124	92 +	1	124	9512	9634
UN65808	Rsa1.0.02852.1	268	27287	9.00E-82	220	242	90 +	24	265	4747	4988
UN65809	Rsa1.0.00402.1	800	385315	1.00E-144	284	291	97 +	511	800	122176	122466
UN65810	Rsa1.0.00961.1	491	58185	1.00E-173	323	328	98 -	1	328	44230	44557
UN65811	Rsa1.0.00480.1	768	81325	1.00E-156	295	300	98 -	89	388	38030	38329
UN65812	Rsa1.0.00064.1	734	240927	1.00E-166	321	325	98 +	412	734	73776	74099
UN65813	Rsa1.0.09017.1	847	6706	1.00E-180	323	324	99 +	3	326	857	1180
UN65814	Rsa1.0.01389.1	769	46716	3.00E-44	104	108	96 -	234	341	17542	17649
UN65815	Rsa1.0.02772.1	639	28047	2.00E-94	258	284	90 +	5	280	2794	3074
UN65816	Rsa1.0.17886.1	768	1718	0	689	731	94 -	16	743	137	856
UN65817	Rsa1.0.00392.1	829	88523	0	538	555	96 +	88	642	64004	64558
UN65818	Rsa1.0.00497.1	797	79830	0	369	382	96 +	417	797	73170	73551
UN65819	Rsa1.0.03074.1	620	25568	1.00E-180	322	323	99 +	298	620	11533	11855
UN65820	Rsa1.0.05706.1	614	12873	0	600	615	97 -	1	614	6079	6691
UN65821	Rsa1.0.07058.1	551	9964	0	534	552	96 -	2	551	3292	3843
UN65822	Rsa1.0.02244.1	749	33494	0	364	367	99 -	3	369	4766	5132
UN65823	Rsa1.0.08790.1	680	6918	1.00E-144	302	316	95 +	357	668	5180	5495
UN65824	Rsa1.0.00050.1	748	237174	2.00E-88	223	242	92 -	32	273	191578	191819
UN65825	Rsa1.0.00416.1	596	86772	1.00E-171	370	387	95 -	1	382	50852	51237
UN65826	Rsa1.0.02085.1	548	35198	0	513	550	93 -	1	545	23936	24480
UN65827	Rsa1.0.00016.1	818	831256	1.00E-120	264	271	97 -	516	780	353941	354210
UN65828	Rsa1.0.00936.1	668	59078	2.33E-156	272	275	98 +	230	504	38796	39070
UN65829	Rsa1.0.02835.1	848	27491	1.00E-154	289	293	98 -	2	294	11239	11531
UN65830	Rsa1.0.00877.1	858	61305	1.00E-166	299	300	99 -	3	302	19520	19819

UN65831	Rsa1.0.07468.1	513	9316	0	384	399	96 +	49	445	8454	8852
UN65832	Rsa1.0.00928.1	799	59293	1.00E-104	196	197	99 -	37	233	22559	22755
UN65833	Rsa1.0.00685.1	571	68515	0	457	485	94 -	2	481	9987	10457
UN65834	Rsa1.0.01838.1	542	38500	1.00E-171	352	368	95 -	5	372	21713	22080
UN65835	Rsa1.0.08230.1	185	7688	9.00E-38	92	96	95 -	1	96	5325	5420
UN65836	Rsa1.0.02978.1	584	26304	1.00E-138	287	297	96 +	1	297	11785	12079
UN65837	Rsa1.0.00187.1	753	393093	0	750	752	99 -	2	753	188655	189406
UN65838	Rsa1.0.00363.1	299	90968	6.00E-83	192	204	94 +	91	294	67294	67497
UN65839	Rsa1.0.02606.1	248	29635	3.00E-81	174	181	96 -	1	181	15277	15457
UN65840	Rsa1.0.00409.1	802	146788	0	725	750	96 +	1	742	110500	111248
UN65841	Rsa1.0.01926.1	508	37206	0	433	449	96 -	1	449	17508	17956
UN65842	Rsa1.0.21613.1	849	1187	1.00E-108	239	247	96 +	602	844	714	960
UN65843	Rsa1.0.00438.1	557	84861	0	545	557	97 +	1	556	14382	14937
UN65844	Rsa1.0.00215.1	214	201775	4.00E-68	167	179	93 -	1	179	163836	164014
UN65845	Rsa1.0.00392.1	592	88523	0	397	415	95 +	173	584	72247	72653
UN65846	Rsa1.0.00482.1	657	81162	1.00E-119	238	245	97 +	349	593	473	717
UN65847	Rsa1.0.00796.1	372	63997	2.00E-74	157	162	96 -	198	359	57353	57514
UN65848	Rsa1.0.00626.1	574	71582	0	523	527	99 -	1	526	9819	10345
UN65849	Rsa1.0.01829.1	691	166063	0	460	481	95 +	196	676	158111	158586
UN65850	Rsa1.0.01221.1	626	50421	1.00E-115	241	251	96 -	3	253	10412	10662
UN65851	Rsa1.0.00801.1	173	63861	5.00E-70	162	170	95 +	1	170	37125	37293
UN65852	Rsa1.0.06259.1	666	11370	0	653	670	97 +	1	666	1407	2074
UN65853	Rsa1.0.00251.1	548	303968	1.00E-135	287	300	95 +	1	300	58166	58459
UN65854	Rsa1.0.00414.1	210	202190	2.00E-91	201	210	95 +	1	210	13326	13534
UN65855	Rsa1.0.00922.1	157	59588	3.00E-65	149	157	94 -	1	157	39707	39857
UN65856	Rsa1.0.00415.1	591	86795	1.00E-174	337	345	97 -	1	345	6755	7093
UN65857	Rsa1.0.01116.1	786	142088	0	414	436	94 +	1	434	138368	138803
UN65858	Rsa1.0.01059.1	765	55410	1.00E-157	322	333	96 +	20	351	13903	14233
UN65859	Rsa1.0.02555.1	122	30146	2.00E-34	86	90	95 -	1	90	2219	2308
UN65860	Rsa1.0.00219.1	201	106983	1.00E-105	199	201	99 -	1	201	34867	35067
UN65861	Rsa1.0.01578.1	681	42880	0	590	609	96 +	66	674	11600	12208
UN65862	Rsa1.0.00773.1	785	64839	3.00E-87	182	188	96 -	366	553	62344	62531
UN65863	Rsa1.0.01549.1	758	43543	0	722	762	94 -	1	758	31538	32295
UN65864	Rsa1.0.02686.1	574	28666	0	493	519	94 -	57	574	20228	20743
UN65865	Rsa1.0.00353.1	329	92242	1.00E-117	252	265	95 +	65	329	75350	75608
UN65866	Rsa1.0.06323.1	736	11236	0	575	587	97 +	3	588	7492	8078
UN65867	Rsa1.0.01159.1	728	52115	1.00E-121	239	245	97 -	298	542	32156	32400
UN65868	Rsa1.0.13559.1	503	4731	1.00E-131	303	317	95 +	186	499	2676	2988
UN65869	Rsa1.0.00312.1	527	96765	2.00E-81	175	182	96 +	1	182	88174	88355

UN65870	Rsa1.0_00089.1	434	406142	1.00E-114	288	309	93 -	1	302	342938	343245
UN65871	Rsa1.0_04495.1	798	17123	0	783	799	97 +	1	798	10919	11717
UN65872	Rsa1.0_00796.1	162	63997	2.00E-44	103	107	96 +	4	110	46513	46619
UN65873	Rsa1.0_00190.1	641	318240	1.00E-125	254	262	96 +	380	641	126270	126528
UN65874	Rsa1.0_03773.1	703	20937	0	485	510	95 -	194	703	7154	7663
UN65875	Rsa1.0_00420.1	175	86496	7.00E-66	163	175	93 +	1	175	40137	40311
UN65876	Rsa1.0_00253.1	575	231292	1.00E-168	373	394	94 +	6	396	79592	79983
UN65877	Rsa1.0_00243.1	132	103651	1.00E-23	111	128	86 +	4	125	95205	95332
UN65878	Rsa1.0_09771.1	782	6158	0	445	469	94 -	311	777	214	679
UN65879	Rsa1.0_04562.1	787	16847	0	708	716	98 -	61	775	15388	16102
UN65880	Rsa1.0_03656.1	679	21552	1.00E-132	250	252	99 -	1	251	3945	4196
UN65881	Rsa1.0_00101.1	180	267193	1.00E-55	137	146	93 -	1	146	235547	235692
UN65882	Rsa1.0_03887.1	234	20247	5.00E-43	127	138	92 +	1	133	18020	18157
UN65883	Rsa1.0_00111.1	763	390088	0	415	431	96 +	3	433	32713	33134
UN65884	Rsa1.0_00285.1	318	149638	4.00E-47	137	148	92 -	171	317	54498	54644
UN65885	#	#	#	#	#	#	#	#	#	#	#
UN65886	Rsa1.0_05713.1	161	12855	3.00E-43	101	105	96 -	1	105	2417	2521
UN65887	Rsa1.0_03148.1	477	24989	1.00E-165	375	400	93 -	78	475	21012	21408
UN65888	Rsa1.0_15111.1	528	2818	1.00E-124	238	242	98 +	222	463	1768	2009
UN65889	Rsa1.0_00387.1	570	495407	0	394	401	98 -	94	494	358755	359155
UN65890	Rsa1.0_03351.1	666	23514	0	574	620	92 -	53	666	15344	15954
UN65891	Rsa1.0_13888.1	828	4146	0	743	814	91 +	18	821	1773	2584
UN65892	Rsa1.0_01727.1	222	40243	3.00E-38	149	167	89 +	25	188	11148	11306
UN65893	Rsa1.0_00426.1	271	85668	7.00E-64	133	136	97 +	136	271	32419	32554
UN65894	Rsa1.0_05449.1	397	13711	6.00E-90	243	266	91 +	1	255	13219	13481
UN65895	Rsa1.0_00094.1	334	139042	1.00E-117	297	325	91 -	1	320	41073	41382
UN65896	Rsa1.0_13593.1	146	4685	1.00E-60	139	146	95 -	1	146	621	766
UN65897	Rsa1.0_02648.1	325	29073	8.00E-89	205	218	94 +	2	219	26008	26225
UN65898	Rsa1.0_00899.1	885	60404	1.00E-158	426	462	92 -	432	878	56690	57151
UN65899	Rsa1.0_00842.1	844	62493	0	541	544	99 -	1	544	34973	35516
UN65900	Rsa1.0_02144.1	638	34630	0	404	411	98 +	5	414	21186	21594
UN65901	Rsa1.0_01756.1	309	39779	1.00E-153	295	302	97 -	4	305	28324	28625
UN65902	Rsa1.0_06444.1	615	11008	0	379	394	96 -	3	396	6961	7351
UN65903	Rsa1.0_00507.1	795	79074	1.00E-104	202	205	98 +	559	763	15989	16193
UN65904	Rsa1.0_08436.1	701	7357	1.00E-174	319	322	99 +	1	322	1724	2045
UN65905	Rsa1.0_00129.1	198	126831	2.00E-60	180	199	90 +	5	198	67012	67210
UN65906	Rsa1.0_46975.1	740	481	1.00E-138	262	266	98 -	93	358	216	481
UN65907	Rsa1.0_02198.1	838	33989	1.00E-115	220	223	98 +	2	224	24055	24277
UN65908	Rsa1.0_03903.1	807	20166	0	655	665	98 -	3	663	18810	19474

UN65909	Rsa1.0.00198.1	793	222963	1.00E-132	245	247	99 +	171	417	43886	44132
UN65910	Rsa1.0.06310.1	808	11262	0	679	752	90 +	1	747	3939	4681
UN65911	Rsa1.0.01047.1	836	55705	0	775	808	95 +	3	795	39413	40220
UN65912	Rsa1.0.00480.1	846	81325	0	385	390	98 +	3	392	3543	3931
UN65913	Rsa1.0.01121.1	461	53407	1.00E-171	305	305	100 +	157	461	35893	36197
UN65914	Rsa1.0.04029.1	682	19491	0	550	569	96 -	114	681	9830	10398
UN65915	Rsa1.0.00453.1	694	83031	0	612	645	94 -	55	693	37951	38578
UN65916	Rsa1.0.00096.1	672	198773	0	419	423	99 -	143	563	31916	32338
UN65917	Rsa1.0.00293.1	127	339294	6.00E-44	113	120	94 -	1	117	32826	32945
UN65918	Rsa1.0.00187.1	784	393093	1.00E-106	208	212	98 -	367	578	48022	48233
UN65919	Rsa1.0.00111.1	554	390088	1.00E-180	326	327	99 -	228	554	45739	46064
UN65920	Rsa1.0.25516.1	698	933	1.00E-113	216	219	98 -	372	590	431	649
UN65921	Rsa1.0.00666.1	640	69505	0	616	646	95 +	3	638	34049	34694
UN65922	Rsa1.0.03073.1	762	25574	0	559	578	96 -	185	762	322	899
UN65923	Rsa1.0.00437.1	701	84879	4.00E-86	183	190	96 +	101	290	44758	44947
UN65924	Rsa1.0.01191.1	730	51235	0	496	519	95 +	16	531	12090	12608
UN65925	Rsa1.0.02882.1	789	27039	1.00E-166	319	326	97 -	2	327	3754	4076
UN65926	Rsa1.0.02871.1	614	27085	0	571	615	92 -	2	614	25590	26188
UN65927	Rsa1.0.00160.1	696	346678	0	651	691	94 -	1	690	156883	157573
UN65928	Rsa1.0.00015.1	824	561803	0	550	565	97 -	232	793	432081	432645
UN65929	Rsa1.0.00533.1	632	77375	1.00E-134	270	278	97 -	244	521	66092	66368
UN65930	Rsa1.0.00696.1	747	68010	0	658	687	95 +	3	689	16631	17316
UN65931	Rsa1.0.01339.1	519	47813	8.00E-56	123	127	96 +	44	170	29265	29391
UN65932	Rsa1.0.04022.1	796	19534	1.00E-142	260	261	99 +	135	395	5350	5610
UN65933	Rsa1.0.03500.1	765	22461	1.00E-101	218	225	96 -	507	729	10127	10348
UN65934	Rsa1.0.00020.1	422	283099	1.00E-176	381	402	94 +	25	420	140870	141268
UN65935	Rsa1.0.00477.1	694	81556	1.00E-134	267	274	97 -	3	275	25899	26172
UN65936	Rsa1.0.02163.1	567	34427	1.00E-174	369	384	96 -	186	567	12768	13148
UN65937	Rsa1.0.00071.1	754	345714	1.00E-156	307	316	97 -	3	318	56561	56876
UN65938	Rsa1.0.01452.1	490	45459	1.00E-136	271	279	97 +	62	337	17780	18058
UN65939	Rsa1.0.02827.1	631	27544	1.00E-105	232	245	94 +	5	249	13790	14028
UN65940	Rsa1.0.00101.1	505	267193	0	495	505	98 -	1	505	256810	257313
UN65941	Rsa1.0.06728.1	815	10455	9.00E-60	118	118	100 -	616	733	6867	6984
UN65942	Rsa1.0.17910.1	825	1712	0	552	583	94 -	253	821	7	589
UN65943	Rsa1.0.01220.1	820	161775	2.00E-88	184	190	96 +	109	298	6369	6558
UN65944	Rsa1.0.07382.1	749	9487	1.00E-168	326	335	97 -	329	663	2	336
UN65945	Rsa1.0.00382.1	653	251946	1.00E-108	211	215	98 -	424	638	114233	114447
UN65946	Rsa1.0.59656.1	815	384	3.00E-38	82	82	100 +	401	482	168	249
UN65947	Rsa1.0.00037.1	811	307838	1.00E-153	297	304	97 +	151	451	260315	260618

UN65948	Rsa1.0.00431.1	651	85391	0	640	649	98 -	3	651	80977	81623
UN65949	Rsa1.0.00251.1	791	303968	1.00E-104	205	209	98 -	2	210	59851	60059
UN65950	Rsa1.0.00471.1	668	81897	1.00E-116	230	235	97 +	206	440	23198	23429
UN65951	Rsa1.0.00713.1	705	158017	5.00E-70	138	139	99 -	437	575	32906	33044
UN65952	Rsa1.0.01965.1	739	36698	1.00E-160	325	338	96 +	2	339	17225	17562
UN65953	Rsa1.0.02859.1	683	162118	1.00E-138	346	375	92 -	86	455	26031	26390
UN65954	Rsa1.0.04126.1	853	18939	1.00E-143	282	290	97 +	326	615	17030	17319
UN65955	Rsa1.0.02347.1	695	32332	1.00E-79	170	175	97 -	522	695	23580	23754
UN65956	Rsa1.0.00031.1	621	179862	1.00E-178	319	320	99 -	302	621	73497	73816
UN65957	Rsa1.0.00179.1	526	393324	0	400	411	97 -	43	452	1	410
UN65958	Rsa1.0.14078.1	799	3830	1.00E-105	211	215	98 -	7	220	2969	3183
UN65959	Rsa1.0.00108.1	649	478491	2.00E-66	129	129	100 +	154	282	50419	50547
UN65960	Rsa1.0.00067.1	756	415055	1.00E-128	269	281	95 +	233	513	226623	226903
UN65961	Rsa1.0.03238.1	796	24432	3.00E-81	201	214	93 +	254	466	17793	18005
UN65962	Rsa1.0.00332.1	776	94575	0	495	504	98 +	76	579	54514	55017
UN65963	Rsa1.0.08133.1	471	7852	0	399	410	97 +	1	407	59	467
UN65964	Rsa1.0.04378.1	677	17651	0	340	346	98 +	332	677	4630	4975
UN65965	Rsa1.0.00423.1	750	86138	1.00E-143	299	313	95 -	240	552	7169	7481
UN65966	Rsa1.0.00762.1	741	165246	1.00E-162	308	314	98 -	2	315	30573	30886
UN65967	Rsa1.0.00421.1	672	86365	1.00E-161	344	360	95 +	56	414	16296	16654
UN65968	Rsa1.0.01581.1	504	42833	0	471	484	97 -	23	504	21848	22330
UN65969	Rsa1.0.00135.1	617	178077	3.00E-68	168	180	93 -	187	366	167868	168047
UN65970	Rsa1.0.05410.1	512	13840	1.00E-164	369	391	94 -	129	512	5832	6219
UN65971	Rsa1.0.02979.1	511	26298	0	495	511	96 -	1	511	13515	14025
UN65972	Rsa1.0.00064.1	741	240927	1.00E-138	255	257	99 +	3	259	28816	29072
UN65973	Rsa1.0.02980.1	283	26290	1.00E-139	280	291	96 +	2	283	23555	23845
UN65974	Rsa1.0.00592.1	499	73788	0	465	494	94 -	2	493	61603	62083
UN65975	Rsa1.0.01335.1	406	47894	0	388	405	95 +	3	406	29197	29597
UN65976	Rsa1.0.00305.1	753	97308	1.00E-139	401	450	89 -	25	453	39688	40131
UN65977	Rsa1.0.01028.1	565	56401	0	349	353	98 +	1	353	32644	32996
UN65978	Rsa1.0.03646.1	836	21598	1.00E-164	302	305	99 -	191	495	11504	11808
UN65979	Rsa1.0.73767.1	852	311	1.00E-175	311	311	100 +	363	673	1	311
UN65980	Rsa1.0.00017.1	804	752458	1.00E-132	295	313	94 +	7	319	326090	326399
UN65981	Rsa1.0.03831.1	748	20579	4.00E-80	161	164	98 -	194	357	17021	17184
UN65982	Rsa1.0.00451.1	673	322533	0	614	619	99 -	55	673	28483	29099
UN65983	Rsa1.0.07894.1	652	8347	1.00E-160	310	318	97 +	216	533	2650	2967
UN65984	Rsa1.0.00816.1	625	403350	1.00E-152	291	297	97 -	2	298	375940	376236
UN65985	Rsa1.0.76417.1	774	300	1.00E-166	299	300	99 -	333	632	1	300
UN65986	Rsa1.0.00060.1	802	502678	1.00E-110	228	235	97 -	344	577	369791	370025

UN65987	Rsa1.0_00236.1	804	104771	0	398	410	97 +	299	702	49095	49504
UN65988	Rsa1.0_00272.1	742	447836	0	697	754	92 -	2	739	331297	332043
UN65989	Rsa1.0_10042.1	734	6027	0	689	765	90 -	1	723	173	922
UN65990	Rsa1.0_00344.1	748	191774	5.00E-58	127	131	96 +	166	296	152974	153104
UN65991	Rsa1.0_11107.1	664	5613	2.00E-75	147	148	99 +	339	486	3024	3171
UN65992	Rsa1.0_00812.1	554	63233	0	541	558	96 -	1	554	32198	32755
UN65993	Rsa1.0_04085.1	822	19168	2.00E-73	144	145	99 -	149	293	12771	12915
UN65994	Rsa1.0_00233.1	243	104918	2.00E-36	81	82	98 -	66	147	13385	13466
UN65995	Rsa1.0_01320.1	625	48271	0	544	546	99 +	80	625	10140	10684
UN65996	Rsa1.0_07773.1	705	8599	0	406	428	94 +	277	704	4867	5294
UN65997	Rsa1.0_01413.1	281	46275	2.00E-73	159	164	96 +	3	166	40686	40848
UN65998	Rsa1.0_03265.1	751	24258	1.00E-170	347	355	97 -	389	738	8139	8493
UN65999	Rsa1.0_04238.1	644	18352	7.00E-60	124	126	98 +	344	469	6625	6750
UN66000	Rsa1.0_00125.1	795	253043	0	416	428	97 +	269	696	201538	201965
UN66001	Rsa1.0_04214.1	606	18437	1.00E-109	201	201	100 -	3	203	8080	8280
UN66002	Rsa1.0_08419.1	136	7381	5.00E-66	133	135	98 -	2	136	7167	7301
UN66003	Rsa1.0_03997.1	662	19652	1.00E-107	238	253	94 -	410	662	11208	11451
UN66004	Rsa1.0_00131.1	611	432233	1.00E-138	270	277	97 +	2	278	428458	428734
UN66005	Rsa1.0_00018.1	541	410899	1.00E-114	252	261	96 -	3	262	379887	380144
UN66006	Rsa1.0_06267.1	270	11356	1.00E-109	250	267	93 +	1	267	9921	10181
UN66007	Rsa1.0_01524.1	452	43949	0	445	451	98 -	2	452	9161	9611
UN66008	Rsa1.0_02735.1	794	28344	0	357	367	97 -	314	680	6066	6426
UN66009	Rsa1.0_08744.1	767	6970	0	447	458	97 +	233	689	884	1341
UN66010	Rsa1.0_20945.1	713	1251	0	698	713	97 -	1	713	161	873
UN66011	Rsa1.0_00505.1	653	79323	1.00E-152	279	281	99 -	311	591	78530	78810
UN66012	Rsa1.0_00051.1	704	258225	1.00E-58	133	138	96 -	193	330	253988	254122
UN66013	Rsa1.0_01310.1	671	164719	0	500	521	95 -	156	671	6737	7254
UN66014	Rsa1.0_00369.1	793	266462	0	502	522	96 -	271	786	147016	147530
UN66015	Rsa1.0_13877.1	831	4169	0	743	757	98 +	3	756	1548	2304
UN66016	Rsa1.0_02161.1	481	34459	8.00E-59	116	116	100 +	344	459	34332	34447
UN66017	Rsa1.0_00102.1	665	135497	0	484	504	96 -	158	661	40871	41374
UN66018	Rsa1.0_01444.1	794	169539	1.00E-165	468	519	90 -	270	778	5362	5861
UN66019	Rsa1.0_01935.1	693	37152	0	445	455	97 -	239	693	5263	5716
UN66020	Rsa1.0_00652.1	505	70089	0	431	462	93 -	3	447	64886	65344
UN66021	Rsa1.0_01348.1	539	47569	0	528	542	97 +	1	539	14929	15470
UN66022	Rsa1.0_25774.1	793	920	1.00E-147	271	273	99 -	219	491	4	276
UN66023	Rsa1.0_03067.1	279	25651	1.00E-148	275	278	98 -	2	279	5248	5525
UN66024	Rsa1.0_01921.1	720	168088	1.00E-156	298	304	98 -	296	599	144486	144789
UN66025	Rsa1.0_00616.1	815	195713	0	347	352	98 +	262	613	158875	159226

UN66026	Rsa1.0.05719.1	789	12836	1.00E-64	126	126	100 +	207	332	7205	7330
UN66027	Rsa1.0.10606.1	468	5787	0	465	466	99 -	3	468	1562	2027
UN66028	Rsa1.0.00233.1	683	104918	2.00E-63	155	164	94 +	311	474	8696	8858
UN66029	Rsa1.0.01467.1	612	45161	1.00E-140	305	323	94 -	2	312	4908	5230
UN66030	Rsa1.0.27096.1	747	866	1.00E-165	303	306	99 +	442	747	335	640
UN66031	Rsa1.0.02203.1	594	164532	1.00E-129	243	246	98 -	349	594	158780	159025
UN66032	Rsa1.0.01220.1	816	161775	0	740	765	96 -	2	764	6251	7014
UN66033	Rsa1.0.01677.1	770	41140	0	737	768	95 +	7	770	25584	26349
UN66034	Rsa1.0.00833.1	772	62621	1.00E-103	247	261	94 +	501	755	28121	28381
UN66035	Rsa1.0.01445.1	677	45671	5.00E-73	140	140	100 -	12	151	4959	5098
UN66036	Rsa1.0.01207.1	548	141053	1.00E-131	307	330	93 -	218	542	131261	131586
UN66037	Rsa1.0.01581.1	800	42833	1.00E-172	367	387	94 +	3	376	376	761
UN66038	Rsa1.0.02400.1	324	31750	9.00E-64	124	124	100 +	201	324	9129	9252
UN66039	Rsa1.0.02969.1	715	26390	2.00E-82	183	190	96 +	41	227	11202	11390
UN66040	Rsa1.0.12261.1	599	5272	1.00E-113	210	211	99 +	389	599	4848	5058
UN66041	#	#	#	#	#	#	#	#	#	#	#
UN66042	Rsa1.0.06817.1	778	10307	7.00E-88	402	481	83 +	67	547	4994	5474
UN66043	Rsa1.0.02614.1	494	29551	0	464	489	94 +	6	494	16779	17267
UN66044	Rsa1.0.00173.1	693	288743	0	646	661	97 -	33	693	214546	215204
UN66045	Rsa1.0.00972.1	600	57937	5.00E-73	149	152	98 -	376	527	11090	11241
UN66046	Rsa1.0.00865.1	672	61686	2.00E-69	137	138	99 +	121	258	42044	42181
UN66047	Rsa1.0.00054.1	696	162053	0	684	696	98 -	2	696	41262	41957
UN66048	Rsa1.0.01803.1	786	173846	1.00E-137	332	358	92 +	34	391	35667	36005
UN66049	Rsa1.0.01808.1	702	39007	0	382	387	98 -	207	593	34333	34719
UN66050	Rsa1.0.00009.1	773	232558	1.00E-125	261	270	96 -	132	400	132659	132925
UN66051	Rsa1.0.01242.1	762	50066	8.00E-97	210	220	95 +	385	604	19654	19873
UN66052	Rsa1.0.00214.1	650	107508	1.00E-150	278	281	98 -	307	587	27706	27986
UN66053	Rsa1.0.07795.1	744	8543	0	606	628	96 +	3	630	596	1223
UN66054	Rsa1.0.00022.1	760	200461	1.00E-152	303	313	96 +	4	316	45415	45727
UN66055	Rsa1.0.01030.1	613	56290	0	590	608	97 -	3	609	43886	44493
UN66056	Rsa1.0.00051.1	799	258225	0	525	545	96 -	2	546	56038	56579
UN66057	Rsa1.0.06781.1	561	10362	0	550	560	98 +	2	561	2113	2672
UN66058	Rsa1.0.01422.1	320	46172	9.00E-70	190	207	91 -	119	320	2054	2260
UN66059	Rsa1.0.00800.1	810	63868	0	535	541	98 +	268	804	43295	43835
UN66060	Rsa1.0.00857.1	786	61904	0	611	627	97 +	111	731	11594	12220
UN66061	Rsa1.0.00413.1	731	86921	1.00E-179	357	365	97 +	356	715	2979	3343
UN66062	Rsa1.0.09837.1	260	6126	9.00E-45	98	100	98 +	51	150	5161	5260
UN66063	Rsa1.0.03782.1	834	20891	1.00E-121	245	252	97 -	208	457	15882	16133
UN66064	Rsa1.0.00066.1	645	152418	1.00E-127	257	263	97 +	38	299	141881	142142

UN66065	Rsa1.0_03025.1	765	25910	0	740	769	96 +	1	763	21126	21894
UN66066	Rsa1.0_01035.1	541	56019	1.00E-106	264	283	93 +	268	541	47064	47342
UN66067	Rsa1.0_00105.1	208	134138	5.00E-86	195	204	95 -	1	203	122061	122262
UN66068	Rsa1.0_01555.1	622	166456	0	605	622	97 -	1	622	7958	8579
UN66069	Rsa1.0_00208.1	779	108565	0	513	524	97 -	3	525	104420	104943
UN66070	Rsa1.0_00647.1	783	70440	0	761	786	96 -	2	783	42312	43094
UN66071	Rsa1.0_02054.1	564	35548	0	487	513	94 -	3	512	5596	6096
UN66072	Rsa1.0_00713.1	649	158017	0	626	647	96 -	3	649	24919	25565
UN66073	Rsa1.0_00521.1	811	78191	0	520	532	97 -	3	534	74362	74893
UN66074	Rsa1.0_00033.1	408	515811	1.00E-115	213	214	99 -	110	323	335808	336021
UN66075	Rsa1.0_01134.1	732	52829	1.00E-165	302	303	99 -	423	724	41896	42198
UN66076	Rsa1.0_19592.1	686	1410	0	331	333	99 -	354	686	156	488
UN66077	Rsa1.0_01058.1	665	55430	0	628	648	96 +	21	665	34206	34853
UN66078	#	#	#	#	#	#	#	#	#	#	#
UN66079	Rsa1.0_08151.1	556	7830	0	537	546	98 -	4	548	2328	2873
UN66080	Rsa1.0_00017.1	740	752458	6.00E-73	149	152	98 +	475	626	541792	541943
UN66081	Rsa1.0_03118.1	575	25288	9.00E-87	234	257	91 +	164	408	3130	3380
UN66082	Rsa1.0_00108.1	748	478491	0	719	748	96 +	2	748	161460	162201
UN66083	Rsa1.0_10042.1	735	6027	1.00E-145	304	317	95 -	116	429	173	486
UN66084	Rsa1.0_01182.1	741	167304	1.00E-131	265	270	98 -	468	734	165275	165544
UN66085	Rsa1.0_00101.1	595	267193	1.00E-79	151	151	100 -	35	185	5077	5227
UN66086	Rsa1.0_01525.1	744	43925	0	429	435	98 -	310	744	36209	36639
UN66087	Rsa1.0_24335.1	819	992	0	700	710	98 -	3	712	190	894
UN66088	Rsa1.0_03235.1	766	24442	6.00E-73	149	152	98 -	461	612	16804	16955
UN66089	Rsa1.0_00734.1	120	66508	1.00E-51	109	111	98 +	3	113	25894	26004
UN66090	Rsa1.0_03681.1	665	21405	0	495	504	98 -	163	665	1432	1935
UN66091	Rsa1.0_28471.1	739	814	1.00E-49	101	101	100 +	58	158	529	629
UN66092	Rsa1.0_01757.1	610	39771	5.00E-73	146	148	98 +	463	610	33413	33560
UN66093	Rsa1.0_00131.1	132	432233	1.00E-48	131	137	95 -	1	132	399708	399844
UN66094	Rsa1.0_00007.1	689	239325	3.00E-74	145	146	99 -	214	359	68631	68776
UN66095	Rsa1.0_00484.1	755	203294	1.00E-124	235	238	98 -	279	516	41096	41333
UN66096	Rsa1.0_00104.1	184	368722	1.00E-36	94	98	95 +	83	180	218004	218100
UN66097	Rsa1.0_01022.1	733	56606	0	331	333	99 -	38	370	42679	43011
UN66098	Rsa1.0_00804.1	782	63726	0	602	602	100 -	5	606	28733	29334
UN66099	Rsa1.0_08259.1	581	7641	1.00E-165	342	356	96 -	3	355	3089	3443
UN66100	Rsa1.0_02501.1	764	30764	0	420	433	96 -	283	709	10640	11072
UN66101	Rsa1.0_00071.1	765	345714	1.00E-74	156	159	98 -	515	672	145172	145330
UN66102	Rsa1.0_00435.1	697	317579	1.00E-168	302	303	99 -	395	697	28345	28647
UN66103	Rsa1.0_01000.1	628	57140	3.00E-80	155	156	99 -	473	628	3833	3988

UN66104	Rsa1.0.05858.1	813	12400	3.00E-93	187	190	98 +	3	191	6534	6723
UN66105	Rsa1.0.01281.1	622	49313	2.00E-84	180	187	96 -	277	463	43893	44079
UN66106	Rsa1.0.04797.1	467	15932	1.00E-102	213	220	96 -	208	426	10614	10833
UN66107	Rsa1.0.06253.1	651	11385	2.00E-57	120	122	98 -	336	457	11144	11265
UN66108	Rsa1.0.00869.1	493	61627	1.00E-149	316	332	95 +	136	467	42825	43156
UN66109	Rsa1.0.03137.1	726	25105	1.00E-126	232	233	99 +	460	692	8078	8310
UN66110	Rsa1.0.02073.1	699	35386	0	424	444	95 -	257	699	2189	2627
UN66111	Rsa1.0.00394.1	750	148426	2.00E-48	99	99	100 -	177	275	131446	131544
UN66112	Rsa1.0.01018.1	796	56685	0	764	795	96 +	3	796	24064	24858
UN66113	Rsa1.0.00344.1	625	191774	0	605	630	96 +	3	625	102216	102844
UN66114	Rsa1.0.28787.1	618	803	1.00E-136	280	290	96 -	317	606	351	639
UN66115	Rsa1.0.33063.1	737	687	0	346	347	99 +	391	737	87	433
UN66116	Rsa1.0.00523.1	543	178770	1.00E-179	390	411	94 -	137	543	29146	29554
UN66117	Rsa1.0.05963.1	650	12090	1.00E-180	334	338	98 +	2	336	4702	5039
UN66118	Rsa1.0.02748.1	621	28242	0	596	622	95 +	1	621	17536	18157
UN66119	Rsa1.0.05026.1	779	15095	1.00E-131	339	371	91 +	3	364	8039	8399
UN66120	Rsa1.0.07849.1	633	8425	0	439	455	96 -	38	490	4233	4687
UN66121	Rsa1.0.09709.1	151	6198	3.00E-71	145	148	97 -	4	151	3542	3689
UN66122	Rsa1.0.01806.1	634	39021	1.00E-117	220	222	99 -	242	463	29007	29228
UN66123	Rsa1.0.01760.1	720	39730	1.00E-124	340	370	91 +	1	365	11060	11423
UN66124	Rsa1.0.03394.1	727	23247	1.00E-132	268	275	97 +	455	727	5941	6215
UN66125	Rsa1.0.00626.1	613	71582	0	595	600	99 +	5	604	8369	8968
UN66126	Rsa1.0.06138.1	610	11651	1.00E-154	364	390	93 +	1	382	6337	6719
UN66127	Rsa1.0.43266.1	639	519	0	485	501	96 -	109	603	19	519
UN66128	Rsa1.0.03205.1	748	24614	5.00E-27	112	127	88 -	503	628	5744	5870
UN66129	Rsa1.0.17471.1	775	1821	1.00E-100	189	190	99 +	188	377	687	876
UN66130	Rsa1.0.02231.1	442	33661	1.00E-165	320	327	97 -	1	326	27303	27629
UN66131	Rsa1.0.04943.1	699	15376	0	693	701	98 -	2	699	3440	4140
UN66132	Rsa1.0.00324.1	536	218805	0	531	535	99 +	3	536	25672	26206
UN66133	Rsa1.0.00105.1	629	134138	0	466	487	95 +	149	629	60014	60500
UN66134	Rsa1.0.04664.1	656	16471	1.00E-105	207	210	98 -	381	589	14204	14413
UN66135	Rsa1.0.00341.1	740	249309	1.00E-150	308	320	96 -	3	322	25557	25874
UN66136	Rsa1.0.02686.1	776	28666	3.00E-99	205	211	97 -	358	566	1220	1430
UN66137	Rsa1.0.00842.1	621	62493	0	571	592	96 +	2	593	34177	34768
UN66138	Rsa1.0.11912.1	551	5372	0	538	551	97 -	2	551	3619	4167
UN66139	Rsa1.0.00507.1	593	79074	1.00E-161	302	307	98 -	2	308	16816	17122
UN66140	Rsa1.0.00030.1	770	250988	1.00E-134	283	293	96 -	4	292	107603	107890
UN66141	Rsa1.0.01492.1	744	44704	1.00E-141	297	309	96 -	4	304	5964	6272
UN66142	Rsa1.0.00525.1	709	78030	0	466	490	95 +	207	695	47428	47917

UN66143	Rsa1.0.08436.1	663	7357	0	357	365	97 -	1	363	3728	4092
UN66144	Rsa1.0.01969.1	709	153351	3.00E-65	130	131	99 -	479	609	20328	20458
UN66145	Rsa1.0.00863.1	428	254535	0	383	394	97 +	1	389	209439	209832
UN66146	Rsa1.0.00452.1	665	83201	0	650	671	96 +	3	665	62174	62842
UN66147	Rsa1.0.00295.1	723	152597	1.00E-165	345	363	95 +	371	719	23572	23934
UN66148	Rsa1.0.01190.1	695	194501	1.00E-116	225	229	98 -	3	231	7188	7416
UN66149	Rsa1.0.01804.1	732	39038	0	445	446	99 +	287	732	26364	26809
UN66150	Rsa1.0.04224.1	615	18402	0	466	509	91 +	111	615	78	572
UN66151	Rsa1.0.00407.1	374	191544	3.00E-30	87	92	94 -	156	246	177040	177131
UN66152	Rsa1.0.28730.1	485	805	1.00E-133	252	256	98 +	230	485	395	650
UN66153	Rsa1.0.03408.1	737	23154	0	502	538	93 +	3	529	14420	14954
UN66154	Rsa1.0.00161.1	703	116891	1.00E-153	278	279	99 +	3	281	114225	114503
UN66155	Rsa1.0.05259.1	707	14338	0	634	666	95 -	15	677	13674	14338
UN66156	Rsa1.0.00021.1	684	263655	0	450	469	95 +	222	684	30368	30836
UN66157	Rsa1.0.00728.1	566	66704	1.00E-54	169	185	91 -	51	233	47823	48006
UN66158	Rsa1.0.00302.1	741	97521	1.00E-135	248	249	99 +	57	305	65064	65312
UN66159	Rsa1.0.00017.1	542	752458	1.00E-179	368	385	95 +	3	387	51199	51577
UN66160	Rsa1.0.01244.1	715	50061	1.00E-140	284	293	96 +	7	298	28199	28491
UN66161	Rsa1.0.27807.1	787	838	4.00E-83	157	157	100 +	100	256	525	681
UN66162	Rsa1.0.00796.1	563	63997	3.00E-68	191	212	90 -	180	382	3604	3815
UN66163	Rsa1.0.01596.1	652	42595	4.00E-89	182	187	97 +	54	240	37808	37994
UN66164	Rsa1.0.00044.1	660	271658	0	324	325	99 +	2	326	13544	13868
UN66165	Rsa1.0.02041.1	803	163634	3.00E-90	184	189	97 -	399	587	19367	19555
UN66166	Rsa1.0.09446.1	614	6362	1.00E-169	338	349	96 -	2	349	1684	2032
UN66167	Rsa1.0.00409.1	692	146788	0	585	619	94 -	2	619	112767	113379
UN66168	#	#	#	#	#	#	#	#	#	#	#
UN66169	Rsa1.0.01725.1	667	40290	0	660	666	99 +	2	667	764	1427
UN66170	Rsa1.0.00438.1	625	84861	0	537	545	98 -	1	545	15047	15587
UN66171	Rsa1.0.00205.1	495	193401	1.00E-114	225	229	98 -	268	495	79407	79635
UN66172	Rsa1.0.01752.1	608	39805	1.00E-114	215	217	99 +	266	482	3243	3459
UN66173	Rsa1.0.00919.1	565	59675	8.00E-84	158	158	100 +	94	251	8851	9008
UN66174	Rsa1.0.00054.1	650	162053	1.00E-111	228	236	96 -	61	296	144630	144865
UN66175	Rsa1.0.01776.1	631	39511	0	382	394	96 -	119	509	36275	36668
UN66176	Rsa1.0.08550.1	827	7211	1.00E-157	285	286	99 +	425	710	5620	5905
UN66177	Rsa1.0.00419.1	792	86562	0	749	781	95 +	3	775	59722	60502
UN66178	Rsa1.0.00243.1	645	103651	7.00E-66	146	152	96 -	489	640	95579	95730
UN66179	Rsa1.0.00044.1	620	271658	0	581	608	95 +	7	614	60913	61520
UN66180	#	#	#	#	#	#	#	#	#	#	#
UN66181	Rsa1.0.07693.1	747	8776	1.00E-151	338	360	93 -	286	645	7078	7437

UN66182	Rsa1.0_08027.1	811	8058	0	631	656	96 +	158	806	6693	7348
UN66183	Rsa1.0_04562.1	676	16847	0	666	677	98 +	1	676	13212	13888
UN66184	Rsa1.0_00014.1	583	348985	1.00E-100	185	185	100 +	399	583	222296	222480
UN66185	Rsa1.0_00285.1	650	149638	0	602	630	95 +	30	649	53666	54289
UN66186	Rsa1.0_00312.1	524	96765	0	520	541	96 +	2	524	67923	68463
UN66187	Rsa1.0_04205.1	610	138772	1.00E-103	199	202	98 -	256	457	9258	9459
UN66188	Rsa1.0_00348.1	681	92818	1.00E-178	332	337	98 -	344	680	49697	50033
UN66189	Rsa1.0_12609.1	765	5175	1.00E-107	221	228	96 +	1	225	3773	4000
UN66190	Rsa1.0_01989.1	636	36439	0	456	466	97 +	171	636	24630	25095
UN66191	Rsa1.0_08756.1	748	6955	3.00E-41	121	131	92 +	386	516	5906	6035
UN66192	Rsa1.0_00187.1	649	393093	0	645	647	99 +	3	649	187785	188431
UN66193	Rsa1.0_00017.1	785	752458	1.00E-151	328	345	95 +	3	341	60309	60650
UN66194	Rsa1.0_02357.1	672	32220	1.00E-123	234	237	98 -	431	667	11543	11779
UN66195	Rsa1.0_00067.1	780	415055	1.00E-117	218	219	99 -	296	514	41964	42182
UN66196	Rsa1.0_05932.1	770	12207	1.00E-168	314	319	98 -	173	491	1391	1709
UN66197	Rsa1.0_00392.1	560	88523	0	514	541	95 -	2	541	72788	73317
UN66198	Rsa1.0_02220.1	210	176031	1.00E-106	204	207	98 -	4	210	13524	13730
UN66199	Rsa1.0_00194.1	753	110851	1.00E-134	266	274	97 -	394	667	96995	97268
UN66200	Rsa1.0_04495.1	680	17123	0	661	681	97 -	2	678	12231	12907
UN66201	Rsa1.0_02804.1	305	27712	1.00E-155	300	305	98 +	2	305	14654	14956
UN66202	Rsa1.0_00509.1	630	78829	1.00E-128	263	273	96 -	96	368	57848	58120
UN66203	Rsa1.0_03773.1	574	20937	0	556	577	96 +	2	574	6596	7172
UN66204	Rsa1.0_09986.1	645	6049	8.00E-72	185	203	91 -	348	538	3389	3591
UN66205	Rsa1.0_09525.1	505	6314	0	473	505	93 -	1	505	4605	5109
UN66206	Rsa1.0_00303.1	665	97468	1.00E-143	326	351	92 +	78	428	42846	43184
UN66207	Rsa1.0_03656.1	540	21552	8.00E-90	183	188	97 +	172	359	2123	2310
UN66208	Rsa1.0_00740.1	789	215972	0	465	487	95 +	141	624	34237	34723
UN66209	Rsa1.0_03810.1	623	20727	1.00E-163	331	344	96 +	280	623	20321	20664
UN66210	Rsa1.0_03567.1	554	22049	2.00E-66	147	153	96 +	266	418	20298	20450
UN66211	Rsa1.0_00483.1	744	81102	1.00E-168	312	316	98 -	237	552	56865	57180
UN66212	Rsa1.0_01750.1	580	39816	3.00E-49	109	112	97 -	66	177	18559	18670
UN66213	Rsa1.0_02992.1	767	26176	1.00E-108	212	216	98 +	460	675	237	452
UN66214	Rsa1.0_00924.1	556	59524	3.00E-77	154	155	99 -	335	488	3707	3861
UN66215	Rsa1.0_00518.1	702	78360	0	565	599	94 -	8	597	17626	18218
UN66216	Rsa1.0_00502.1	793	204180	1.00E-148	320	334	95 -	409	738	61558	61891
UN66217	Rsa1.0_21161.1	599	1229	2.00E-35	188	219	85 -	27	239	245	462
UN66218	Rsa1.0_02159.1	541	34471	0	325	326	99 +	216	541	19240	19565
UN66219	Rsa1.0_01717.1	551	143162	0	525	551	95 +	2	551	128394	128930
UN66220	Rsa1.0_03853.1	658	20447	1.00E-165	324	333	97 +	17	349	13343	13672

UN66221	Rsa1.0.22095.1	538	1150	3.00E-58	201	229	87 -	307	530	467	692
UN66222	Rsa1.0.01867.1	721	37960	0	716	724	98 +	1	719	24769	25492
UN66223	Rsa1.0.02406.1	653	145276	1.00E-125	246	251	98 +	404	653	1739	1989
UN66224	Rsa1.0.00360.1	832	91190	1.00E-110	253	267	94 +	3	269	65991	66250
UN66225	Rsa1.0.02468.1	653	31122	1.00E-100	276	305	90 -	357	650	28888	29191
UN66226	Rsa1.0.01292.1	621	175783	3.00E-93	186	190	97 +	432	621	3974	4163
UN66227	Rsa1.0.03147.1	591	25001	1.00E-168	302	303	99 +	289	591	5429	5731
UN66228	Rsa1.0.01158.1	340	52121	1.00E-115	250	263	95 +	77	334	32146	32403
UN66229	Rsa1.0.01931.1	608	37187	1.00E-109	226	233	96 -	365	596	32358	32590
UN66230	Rsa1.0.01382.1	734	46877	2.00E-94	197	204	96 -	134	337	39405	39608
UN66231	Rsa1.0.00589.1	576	209965	5.00E-82	209	227	92 -	323	549	189345	189571
UN66232	Rsa1.0.02852.1	598	27287	1.00E-119	327	360	90 -	53	410	5183	5530
UN66233	Rsa1.0.04142.1	695	18861	1.00E-180	356	367	97 -	256	620	7362	7728
UN66234	Rsa1.0.01116.1	689	142088	1.00E-176	347	357	97 -	332	688	139364	139719
UN66235	Rsa1.0.01147.1	219	52391	2.00E-73	163	170	95 -	1	170	8116	8282
UN66236	Rsa1.0.04139.1	721	18883	0	593	617	96 +	103	709	17778	18391
UN66237	Rsa1.0.03798.1	671	20800	0	407	430	94 +	105	528	11750	12179
UN66238	Rsa1.0.00855.1	201	62047	5.00E-92	185	187	98 +	15	201	12698	12882
UN66239	Rsa1.0.02683.1	354	28679	1.00E-140	332	354	93 +	2	354	16909	17251
UN66240	Rsa1.0.01373.1	732	47052	1.00E-129	266	275	96 +	203	477	1703	1976
UN66241	Rsa1.0.10429.1	687	5853	0	658	683	96 +	1	682	3350	4027
UN66242	Rsa1.0.00396.1	612	88242	0	603	608	99 +	1	608	68778	69384
UN66243	Rsa1.0.02246.1	593	33435	0	406	423	95 +	170	588	4183	4604
UN66244	Rsa1.0.05019.1	465	15114	1.00E-101	224	235	95 -	232	465	12120	12354
UN66245	Rsa1.0.00676.1	695	69166	0	493	519	94 -	132	650	54623	55138
UN66246	Rsa1.0.12457.1	486	5222	1.00E-162	348	363	95 -	2	358	4813	5174
UN66247	Rsa1.0.10941.1	543	5670	0	503	517	97 -	27	543	5059	5575
UN66248	Rsa1.0.00645.1	670	189716	2.00E-97	203	209	97 +	463	670	3394	3602
UN66249	Rsa1.0.00011.1	729	225044	1.00E-120	226	227	99 -	1	227	193043	193268
UN66250	Rsa1.0.03160.1	675	24916	0	426	433	98 +	243	675	3384	3815
UN66251	Rsa1.0.01629.1	207	41917	3.00E-93	195	201	97 -	3	202	15020	15220
UN66252	Rsa1.0.00280.1	663	99966	0	396	411	96 -	129	539	1487	1894
UN66253	Rsa1.0.04458.1	679	17255	1.00E-142	298	312	95 -	237	548	7732	8043
UN66254	Rsa1.0.03540.1	734	22199	3.00E-81	330	389	84 +	71	459	8025	8407
UN66255	Rsa1.0.00376.1	597	90101	1.00E-135	247	248	99 +	192	439	47249	47496
UN66256	Rsa1.0.05412.1	600	13836	3.00E-71	155	161	96 -	440	600	953	1113
UN66257	Rsa1.0.00827.1	637	62790	2.00E-97	226	235	96 -	346	576	49336	49567
UN66258	Rsa1.0.41502.1	793	541	0	488	506	96 -	2	507	1	502
UN66259	Rsa1.0.00083.1	681	442773	0	458	492	93 -	167	645	137576	138061

UN66260	Rsa1.0.03554.1	608	22137	0	587	609	96 +	1	608	16455	17061
UN66261	Rsa1.0.01605.1	750	42442	0	477	504	94 +	255	750	30787	31290
UN66262	Rsa1.0.03328.1	775	23681	0	538	560	96 +	2	561	23122	23681
UN66263	Rsa1.0.00796.1	718	63997	0	559	567	98 -	144	710	33356	33921
UN66264	Rsa1.0.03981.1	676	19724	1.00E-163	324	335	96 -	333	667	15130	15464
UN66265	Rsa1.0.07694.1	705	8776	1.00E-110	249	263	94 +	268	528	7803	8062
UN66266	Rsa1.0.02581.1	757	29896	0	466	478	97 +	280	757	9997	10473
UN66267	Rsa1.0.01803.1	693	173846	0	646	664	97 +	4	667	144809	145472
UN66268	Rsa1.0.00305.1	721	97308	1.00E-136	249	250	99 -	4	253	45991	46240
UN66269	Rsa1.0.00038.1	558	314568	1.00E-125	243	248	97 +	308	555	58578	58825
UN66270	Rsa1.0.64946.1	753	353	1.00E-120	226	228	99 +	397	624	38	265
UN66271	Rsa1.0.03679.1	776	21409	0	550	590	93 +	197	776	13347	13933
UN66272	Rsa1.0.00816.1	651	403350	0	362	369	98 +	11	379	267878	268245
UN66273	Rsa1.0.02085.1	700	35198	0	660	698	94 +	3	700	22653	23349
UN66274	Rsa1.0.01027.1	573	56402	0	561	572	98 -	2	573	29999	30567
UN66275	Rsa1.0.00487.1	753	80674	1.00E-46	96	96	100 -	559	654	14388	14483
UN66276	Rsa1.0.02204.1	573	33930	1.00E-113	221	225	98 +	3	227	20694	20915
UN66277	Rsa1.0.00002.1	740	601661	0	560	586	95 -	156	740	407203	407779
UN66278	Rsa1.0.02023.1	656	35922	0	565	597	94 +	2	598	27662	28258
UN66279	Rsa1.0.01296.1	744	49035	1.00E-102	239	254	94 +	3	251	5334	5587
UN66280	Rsa1.0.10846.1	681	5704	0	643	686	93 -	1	681	178	861
UN66281	Rsa1.0.01169.1	800	51829	1.00E-171	310	312	99 -	3	314	50144	50455
UN66282	Rsa1.0.02114.1	699	34873	0	386	398	96 +	2	399	14940	15337
UN66283	Rsa1.0.00214.1	789	107508	0	464	469	98 -	322	789	27518	27986
UN66284	Rsa1.0.02772.1	660	28047	0	403	420	95 -	3	416	4728	5147
UN66285	Rsa1.0.04032.1	674	19489	1.00E-116	272	290	93 -	14	302	7468	7754
UN66286	Rsa1.0.00879.1	661	61297	2.00E-75	172	181	95 +	3	183	37267	37443
UN66287	Rsa1.0.13838.1	789	4236	2.00E-70	171	183	93 +	454	636	2303	2479
UN66288	Rsa1.0.02561.1	712	30080	0	631	646	97 -	1	644	14681	15325
UN66289	Rsa1.0.52329.1	684	435	1.00E-162	314	322	97 +	3	324	97	418
UN66290	Rsa1.0.03740.1	652	21065	1.00E-120	231	235	98 -	2	236	9526	9760
UN66291	Rsa1.0.14637.1	609	3201	0	491	497	98 +	113	609	2123	2619
UN66292	Rsa1.0.22298.1	680	1133	0	655	682	96 -	3	680	249	928
UN66293	Rsa1.0.00571.1	689	329018	0	446	454	98 -	236	687	204960	205413
UN66294	Rsa1.0.00511.1	740	78616	0	404	405	99 -	336	740	35023	35427
UN66295	Rsa1.0.00608.1	646	172672	0	521	540	96 +	87	626	111863	112399
UN66296	Rsa1.0.00027.1	832	283362	1.00E-101	415	491	84 -	2	492	22417	22907
UN66297	Rsa1.0.01251.1	754	49873	8.00E-97	198	204	97 -	468	671	48824	49027
UN66298	Rsa1.0.02364.1	524	32137	1.00E-172	322	326	98 +	199	524	31277	31601

UN66299	Rsa1.0.00143.1	431	121313	1.00E-161	397	430	92 +	3	431	97809	98229
UN66300	Rsa1.0.06303.1	830	11268	0	536	562	95 -	214	769	7355	7916
UN66301	Rsa1.0.00306.1	636	146760	2.00E-54	109	109	100 +	391	499	112859	112967
UN66302	Rsa1.0.00294.1	681	144860	3.00E-96	205	215	95 -	77	282	62616	62830
UN66303	Rsa1.0.01727.1	647	40243	1.00E-64	135	138	97 -	312	449	12313	12450
UN66304	Rsa1.0.00017.1	649	752458	0	354	357	99 +	293	649	41954	42310
UN66305	Rsa1.0.00798.1	799	63945	0	620	644	96 -	123	749	58426	59068
UN66306	Rsa1.0.02592.1	632	29751	1.00E-143	286	295	96 +	57	348	17131	17425
UN66307	Rsa1.0.09768.1	716	6159	0	689	718	95 -	3	716	3693	4408
UN66308	Rsa1.0.04323.1	114	17915	4.00E-26	94	104	90 +	1	103	13957	14060
UN66309	Rsa1.0.01634.1	140	41865	2.00E-59	134	140	95 +	1	140	25202	25341
UN66310	Rsa1.0.03244.1	654	24413	1.00E-110	205	206	99 +	305	510	22141	22346
UN66311	Rsa1.0.07321.1	587	9559	1.00E-170	428	471	90 -	3	454	4293	4753
UN66312	Rsa1.0.05611.1	576	13193	0	499	533	93 +	2	530	5136	5661
UN66313	Rsa1.0.07463.1	637	9331	0	501	505	99 +	1	505	3197	3701
UN66314	Rsa1.0.00273.1	691	326186	2.33E-156	275	279	98 +	60	338	155330	155608
UN66315	Rsa1.0.01591.1	194	42718	4.00E-80	189	201	94 +	1	194	22506	22705
UN66316	Rsa1.0.00087.1	707	761073	1.00E-106	201	203	99 +	474	676	292656	292858
UN66317	Rsa1.0.02319.1	388	32580	3.00E-76	203	218	93 +	142	353	6518	6734
UN66318	Rsa1.0.00483.1	422	81102	1.00E-110	244	256	95 -	26	280	51013	51265
UN66319	Rsa1.0.00107.1	618	431659	0	435	463	93 -	1	461	146548	147008
UN66320	Rsa1.0.02444.1	741	31350	0	717	740	96 -	2	741	25220	25959
UN66321	Rsa1.0.01701.1	731	162121	0	516	547	94 -	21	557	20038	20580
UN66322	Rsa1.0.03821.1	690	20643	5.00E-98	203	210	96 -	481	690	5290	5499
UN66323	Rsa1.0.00139.1	405	357786	1.00E-155	335	354	94 +	52	405	259723	260076
UN66324	Rsa1.0.00244.1	664	103590	0	612	657	93 +	13	664	77056	77711
UN66325	Rsa1.0.04630.1	109	16595	6.00E-22	99	109	90 +	1	109	14657	14761
UN66326	Rsa1.0.13762.1	790	4370	0	640	663	96 +	1	660	3715	4370
UN66327	Rsa1.0.01737.1	468	40101	0	463	465	99 -	1	465	7536	8000
UN66328	Rsa1.0.00664.1	659	69573	1.00E-100	218	228	95 +	3	230	926	1151
UN66329	Rsa1.0.01099.1	270	158481	2.33E-156	268	270	99 +	1	270	28093	28362
UN66330	Rsa1.0.04005.1	677	19586	0	618	679	91 +	1	677	2168	2827
UN66331	Rsa1.0.00897.1	341	60498	1.00E-119	233	237	98 -	8	243	21543	21779
UN66332	Rsa1.0.00002.1	781	601661	0	539	555	97 -	1	543	595243	595797
UN66333	Rsa1.0.00947.1	690	58664	1.00E-120	232	236	98 +	424	659	12843	13078
UN66334	Rsa1.0.01269.1	875	49622	0	749	795	94 +	1	782	25084	25871
UN66335	Rsa1.0.00033.1	191	515811	2.00E-82	182	191	95 +	1	191	465835	466025
UN66336	Rsa1.0.04626.1	282	16611	1.00E-103	252	270	93 -	10	278	15072	15340
UN66337	Rsa1.0.04296.1	820	18030	1.00E-116	238	245	97 -	1	245	8018	8261

UN66338	Rsa1.0.01924.1	845	37226	0	470	489	96 -	1	489	23204	23692
UN66339	Rsa1.0.02554.1	767	30187	0	737	755	97 -	1	752	6754	7508
UN66340	Rsa1.0.00971.1	504	57973	1.00E-144	312	328	95 +	3	325	49791	50118
UN66341	Rsa1.0.02523.1	682	30527	1.00E-126	265	277	95 +	273	549	5172	5448
UN66342	Rsa1.0.00571.1	815	329018	0	564	586	96 -	50	635	197339	197924
UN66343	Rsa1.0.00350.1	665	92346	0	663	668	99 -	1	665	53039	53706
UN66344	Rsa1.0.00481.1	606	81316	0	591	606	97 -	1	606	20793	21398
UN66345	Rsa1.0.02038.1	722	35715	1.00E-148	338	361	93 -	1	359	9722	10072
UN66346	Rsa1.0.00204.1	853	109056	1.00E-173	374	395	94 +	402	791	51654	52040
UN66347	Rsa1.0.01527.1	594	43905	1.00E-115	292	319	91 -	196	514	30403	30721
UN66348	Rsa1.0.00455.1	610	224823	1.00E-160	289	290	99 +	1	290	183256	183545
UN66349	Rsa1.0.00734.1	852	66508	0	547	569	96 +	1	564	26485	27047
UN66350	Rsa1.0.00077.1	628	145005	0	574	598	95 +	1	587	89600	90189
UN66351	Rsa1.0.00008.1	220	358124	2.00E-67	180	194	92 -	23	216	7490	7681
UN66352	Rsa1.0.00344.1	654	191774	0	484	501	96 +	65	565	128811	129311
UN66353	Rsa1.0.00139.1	543	357786	0	536	552	97 +	1	543	301246	301797
UN66354	Rsa1.0.03656.1	874	21552	0	446	471	94 +	4	468	11954	12421
UN66355	Rsa1.0.01882.1	155	37697	4.00E-61	146	155	94 +	1	155	5029	5183
UN66356	Rsa1.0.13600.1	899	4672	0	501	502	99 +	1	502	1311	1812
UN66357	Rsa1.0.00008.1	844	358124	0	522	523	99 +	2	524	81103	81625
UN66358	Rsa1.0.01137.1	659	52655	0	652	657	99 +	3	659	30628	31284
UN66359	Rsa1.0.00938.1	122	193891	2.00E-43	116	124	93 +	1	122	191608	191731
UN66360	Rsa1.0.10066.1	720	6016	0	707	720	98 +	1	720	1607	2326
UN66361	Rsa1.0.02966.1	125	135126	3.00E-55	121	125	96 -	1	125	17973	18097
UN66362	Rsa1.0.08740.1	815	6980	1.00E-160	298	302	98 +	361	662	1988	2289
UN66363	Rsa1.0.07863.1	405	8404	1.00E-107	209	213	98 +	163	375	3405	3617
UN66364	Rsa1.0.00737.1	172	66432	6.00E-57	160	172	93 -	3	172	30936	31106
UN66365	Rsa1.0.00144.1	491	120708	1.00E-124	239	241	99 +	3	241	110938	111178
UN66366	Rsa1.0.00115.1	802	131321	1.00E-176	382	399	95 -	186	579	68836	69232
UN66367	Rsa1.0.04786.1	665	15988	0	483	483	100 +	3	485	13588	14070
UN66368	Rsa1.0.05561.1	571	13326	1.00E-133	244	245	99 -	219	463	3796	4040
UN66369	Rsa1.0.00123.1	487	325650	0	483	487	99 -	1	487	90844	91330
UN66370	Rsa1.0.08389.1	697	7435	0	492	501	98 -	193	693	301	794
UN66371	Rsa1.0.00059.1	842	159650	0	836	851	98 -	2	842	63405	64255
UN66372	Rsa1.0.00275.1	528	210104	1.00E-149	315	328	96 +	8	334	154341	154667
UN66373	Rsa1.0.01740.1	745	39986	0	713	747	95 -	3	745	18128	18874
UN66374	Rsa1.0.01626.1	629	41989	0	406	406	100 +	1	406	15831	16236
UN66375	Rsa1.0.07852.1	194	8421	2.00E-63	133	135	98 +	1	134	1768	1902
UN66376	Rsa1.0.00014.1	178	348985	3.00E-37	82	83	98 +	15	97	325768	325850

UN66377	Rsa1.0_04219.1	431	18421	0	417	431	96 +	1	431	547	977
UN66378	Rsa1.0_01758.1	474	39747	3.00E-64	149	156	95 -	243	396	39511	39666
UN66379	Rsa1.0_00371.1	266	90463	1.00E-114	248	259	95 +	1	259	50121	50376
UN66380	Rsa1.0_00188.1	729	112020	3.00E-93	218	230	94 -	1	226	10144	10370
UN66381	Rsa1.0_00200.1	116	162016	2.00E-40	105	112	93 +	5	116	85056	85167
UN66382	Rsa1.0_09011.1	195	6711	2.00E-54	173	193	89 +	7	194	6044	6236
UN66383	Rsa1.0_03867.1	220	20369	1.00E-114	214	216	99 +	5	220	15829	16044
UN66384	Rsa1.0_01060.1	722	55368	6.00E-73	196	213	92 +	1	213	47937	48139
UN66385	Rsa1.0_04969.1	121	15283	2.00E-43	113	121	93 -	1	121	8737	8857
UN66386	Rsa1.0_22070.1	144	1152	9.00E-28	75	79	94 -	37	115	63	141
UN66387	Rsa1.0_01845.1	739	38415	1.00E-102	280	310	90 +	448	739	36592	36900
UN66388	Rsa1.0_00011.1	117	225044	4.00E-48	112	117	95 +	1	117	213458	213574
UN66389	Rsa1.0_00271.1	607	101125	1.00E-125	248	255	97 -	289	543	25866	26120
UN66390	Rsa1.0_00626.1	730	71582	1.00E-125	273	287	95 +	1	285	54748	55030
UN66391	Rsa1.0_00475.1	157	81678	8.00E-50	138	148	93 +	12	157	26934	27081
UN66392	Rsa1.0_04028.1	577	19493	0	577	577	100 -	1	577	12494	13070
UN66393	Rsa1.0_00170.1	524	179538	9.00E-99	304	343	88 +	181	520	83462	83801
UN66394	Rsa1.0_08285.1	197	7606	2.00E-78	186	198	93 -	3	197	6691	6888
UN66395	Rsa1.0_00038.1	716	314568	1.00E-141	294	306	96 -	2	306	310046	310345
UN66396	Rsa1.0_00094.1	772	139042	1.00E-171	402	426	94 -	2	421	92426	92843
UN66397	Rsa1.0_00706.1	755	291570	0	397	407	97 -	3	409	56061	56466
UN66398	Rsa1.0_02637.1	290	29244	2.00E-98	260	284	91 -	13	290	6206	6486
UN66399	Rsa1.0_14084.1	148	3822	3.00E-52	128	136	94 +	1	136	554	689
UN66400	Rsa1.0_00016.1	598	831256	1.00E-162	340	355	95 -	102	454	283309	283660
UN66401	Rsa1.0_00827.1	629	62790	1.00E-163	316	324	97 +	306	629	23151	23474
UN66402	Rsa1.0_01649.1	312	41624	1.00E-87	197	208	94 -	87	294	27386	27593
UN66403	Rsa1.0_04088.1	131	19150	4.00E-39	88	90	97 -	1	90	18788	18877
UN66404	Rsa1.0_00939.1	124	185227	1.00E-35	76	76	100 -	2	77	34874	34949
UN66405	Rsa1.0_01857.1	711	38103	1.00E-109	228	236	96 -	477	711	7186	7421
UN66406	Rsa1.0_08039.1	490	8030	1.00E-110	211	214	98 +	277	490	4542	4755
UN66407	Rsa1.0_04625.1	447	16613	1.00E-117	256	270	94 -	172	441	9193	9462
UN66408	Rsa1.0_01833.1	658	38555	1.00E-112	222	227	97 -	1	224	16604	16830
UN66409	Rsa1.0_00100.1	450	249232	1.00E-129	247	250	98 +	202	450	194744	194993
UN66410	#	#	#	#	#	#	#	#	#	#	#
UN66411	Rsa1.0_20900.1	724	1257	0	558	583	95 +	142	724	7	576
UN66412	Rsa1.0_08165.1	807	7806	0	352	355	99 -	1	352	2878	3232
UN66413	Rsa1.0_39223.1	297	573	3.00E-60	136	142	95 +	1	142	225	366
UN66414	Rsa1.0_02930.1	548	26668	0	457	460	99 -	1	460	23092	23551
UN66415	Rsa1.0_08790.1	561	6918	0	474	475	99 +	1	475	2626	3100

UN66416	Rsa1.0.00056.1	708	332604	0	374	390	95 -	1	375	206060	206449
UN66417	Rsa1.0.00188.1	583	112020	1.00E-143	345	374	92 -	2	374	38799	39158
UN66418	Rsa1.0.01530.1	709	43820	0	692	704	98 +	1	700	16613	17316
UN66419	Rsa1.0.00273.1	701	326186	7.00E-97	211	220	95 +	179	397	29486	29705
UN66420	Rsa1.0.05631.1	735	13127	1.00E-125	287	304	94 -	1	302	4477	4780
UN66421	Rsa1.0.00722.1	293	66840	1.00E-122	270	282	95 +	17	293	44125	44403
UN66422	Rsa1.0.01296.1	182	49035	2.00E-72	171	182	93 -	1	182	13455	13636
UN66423	Rsa1.0.02101.1	737	35017	0	422	439	96 +	3	437	32064	32502
UN66424	Rsa1.0.01732.1	734	40194	1.00E-103	212	218	97 +	64	281	16730	16946
UN66425	Rsa1.0.01598.1	762	42553	0	731	762	95 +	1	760	8554	9309
UN66426	Rsa1.0.00495.1	653	79934	0	561	587	95 -	2	571	11988	12570
UN66427	Rsa1.0.03944.1	356	19926	1.00E-87	186	192	96 -	161	351	470	661
UN66428	Rsa1.0.01951.1	655	36941	0	637	655	97 +	1	655	35877	36528
UN66429	Rsa1.0.01422.1	731	46172	1.00E-117	255	269	94 +	18	279	16357	16625
UN66430	Rsa1.0.00707.1	613	190112	0	611	613	99 +	1	613	2745	3357
UN66431	Rsa1.0.00008.1	591	358124	0	343	345	99 -	1	345	146200	146544
UN66432	Rsa1.0.02700.1	700	28584	1.00E-130	266	275	96 -	1	273	14765	15039
UN66433	Rsa1.0.00376.1	759	90101	1.00E-126	242	246	98 +	222	467	6655	6900
UN66434	Rsa1.0.02725.1	120	28404	6.00E-50	115	120	95 -	1	120	25422	25541
UN66435	Rsa1.0.01405.1	314	46445	1.00E-117	291	315	92 +	1	311	37038	37352
UN66436	Rsa1.0.03581.1	699	21965	1.00E-129	281	291	96 +	3	291	14221	14509
UN66437	Rsa1.0.06169.1	763	11578	0	496	508	97 -	151	658	7905	8412
UN66438	Rsa1.0.15709.1	249	2468	1.00E-119	238	245	97 +	5	249	871	1115
UN66439	Rsa1.0.00948.1	870	58620	0	510	511	99 -	2	512	1582	2092
UN66440	Rsa1.0.00454.1	822	216970	1.00E-167	345	358	96 -	4	359	183733	184090
UN66441	Rsa1.0.00361.1	155	91181	1.00E-30	110	123	89 -	33	155	48118	48238
UN66442	Rsa1.0.01635.1	510	41865	0	504	510	98 +	1	510	16980	17488
UN66443	Rsa1.0.00067.1	322	415055	1.00E-121	280	298	93 +	28	322	151702	151998
UN66444	Rsa1.0.00458.1	817	82717	1.00E-175	323	327	98 +	1	327	21879	22205
UN66445	Rsa1.0.03702.1	711	21292	0	517	518	99 +	1	518	10476	10993
UN66446	Rsa1.0.00782.1	808	64468	4.00E-65	149	155	96 -	1	154	36493	36647
UN66447	Rsa1.0.00275.1	192	210104	5.00E-70	176	192	91 +	1	192	23127	23307
UN66448	Rsa1.0.00273.1	764	326186	0	497	514	96 -	254	764	124585	125098
UN66449	Rsa1.0.02686.1	704	28666	0	398	409	97 -	67	474	6729	7137
UN66450	Rsa1.0.00293.1	764	339294	0	747	764	97 -	1	764	177620	178379
UN66451	Rsa1.0.00018.1	205	410899	4.00E-46	97	98	98 -	108	205	185335	185432
UN66452	Rsa1.0.01026.1	192	171624	6.00E-82	181	190	95 +	3	192	154269	154458
UN66453	Rsa1.0.01073.1	160	55030	2.00E-56	144	155	92 -	1	155	35606	35760
UN66454	Rsa1.0.00028.1	765	293984	1.00E-150	320	333	96 +	6	336	260515	260846

UN66455	Rsa1.0.05473.1	651	13628	0	633	651	97 -	1	651	11373	12023
UN66456	Rsa1.0.24004.1	750	1012	0	388	390	99 +	1	390	623	1012
UN66457	Rsa1.0.00506.1	813	79106	1.00E-151	306	316	96 +	499	813	26906	27221
UN66458	Rsa1.0.02092.1	792	35135	0	655	659	99 +	2	660	17655	18313
UN66459	Rsa1.0.02246.1	366	33435	1.00E-114	310	342	90 -	1	342	5814	6150
UN66460	Rsa1.0.00065.1	825	454616	1.00E-116	230	236	97 +	194	429	233321	233556
UN66461	Rsa1.0.00015.1	225	561803	6.00E-24	63	65	96 -	114	178	463090	463154
UN66462	Rsa1.0.00359.1	822	91256	1.00E-155	278	278	100 -	1	278	90578	90855
UN66463	Rsa1.0.00268.1	790	101470	1.00E-104	226	235	96 +	3	236	59337	59569
UN66464	Rsa1.0.06155.1	449	11609	0	439	449	97 -	1	449	287	735
UN66465	Rsa1.0.02142.1	711	34633	0	335	338	99 -	1	338	16828	17165
UN66466	Rsa1.0.02084.1	848	35205	0	335	336	99 -	176	511	31289	31624
UN66467	Rsa1.0.00910.1	269	59975	1.00E-102	189	189	100 +	1	189	41441	41629
UN66468	Rsa1.0.03133.1	793	25135	0	605	608	99 -	184	789	15882	16489
UN66469	Rsa1.0.00480.1	117	81325	3.00E-24	69	73	94 -	42	114	4894	4966
UN66470	Rsa1.0.13627.1	846	4613	4.00E-25	255	313	81 -	2	308	2059	2368
UN66471	Rsa1.0.04124.1	104	18945	1.00E-22	81	90	90 +	1	90	6754	6843
UN66472	Rsa1.0.05000.1	727	15178	0	367	386	95 -	361	727	1114	1499
UN66473	Rsa1.0.03105.1	718	25373	1.00E-113	214	216	99 +	26	241	15145	15360
UN66474	Rsa1.0.26314.1	369	897	1.00E-111	236	247	95 +	3	249	291	537
UN66475	Rsa1.0.02672.1	716	28884	0	681	715	95 -	5	716	26311	27013
UN66476	Rsa1.0.00552.1	637	206757	1.00E-122	297	316	93 +	6	315	74640	74953
UN66477	Rsa1.0.04113.1	682	18986	1.00E-137	332	357	92 +	3	354	11111	11467
UN66478	Rsa1.0.02455.1	725	31262	0	511	537	95 -	1	517	25412	25948
UN66479	Rsa1.0.03109.1	878	25336	0	700	722	96 -	1	722	3130	3842
UN66480	Rsa1.0.58514.1	733	391	1.00E-180	319	319	100 -	40	358	73	391
UN66481	Rsa1.0.00046.1	881	320315	1.00E-113	240	250	96 -	7	256	126782	127029
UN66482	Rsa1.0.00360.1	668	91190	0	629	682	92 -	1	668	80858	81530
UN66483	Rsa1.0.00995.1	192	57243	6.00E-85	174	179	97 -	14	192	21328	21506
UN66484	Rsa1.0.01428.1	386	46071	2.00E-93	213	226	94 +	6	231	16764	16989
UN66485	Rsa1.0.50581.1	888	449	0	357	363	98 +	380	742	87	449
UN66486	Rsa1.0.00583.1	645	74309	0	639	639	100 -	1	639	64130	64768
UN66487	Rsa1.0.00069.1	877	403561	0	367	367	100 -	5	371	205680	206046
UN66488	Rsa1.0.01125.1	565	53193	1.00E-158	334	352	94 -	107	458	10371	10714
UN66489	Rsa1.0.00067.1	836	415055	0	416	428	97 -	1	425	361586	362013
UN66490	Rsa1.0.00191.1	157	316976	3.00E-74	150	153	98 -	5	157	194638	194790
UN66491	Rsa1.0.00119.1	766	467509	0	716	756	94 +	12	764	217844	218584
UN66492	Rsa1.0.01078.1	768	316910	1.00E-98	209	215	97 +	3	217	125402	125614
UN66493	Rsa1.0.00472.1	788	398134	1.00E-157	284	285	99 +	504	788	298897	299181

UN66494	Rsa1.0.00699.1	144	184398	2.00E-59	137	144	95 +	1	144	14102	14245
UN66495	Rsa1.0.00599.1	236	73418	5.00E-80	201	216	93 -	25	235	40410	40625
UN66496	Rsa1.0.00008.1	816	358124	1.00E-148	327	346	94 +	131	476	3365	3709
UN66497	Rsa1.0.00030.1	838	250988	0	826	835	98 +	1	835	57392	58226
UN66498	Rsa1.0.05925.1	713	12221	1.00E-107	231	242	95 -	396	637	9967	10208
UN66499	Rsa1.0.04772.1	820	16040	0	486	487	99 +	1	487	13593	14079
UN66500	Rsa1.0.00596.1	738	73578	0	608	624	97 +	7	630	54292	54915
UN66501	Rsa1.0.01178.1	869	51571	0	398	399	99 +	2	400	19836	20234
UN66502	Rsa1.0.00006.1	728	396176	0	599	638	93 +	1	629	23038	23674
UN66503	Rsa1.0.02593.1	381	29744	1.00E-132	269	279	96 +	1	279	4382	4660
UN66504	Rsa1.0.03832.1	833	20577	0	435	459	94 -	5	459	2837	3293
UN66505	Rsa1.0.00070.1	614	150321	0	611	614	99 -	1	614	94130	94743
UN66506	Rsa1.0.04134.1	340	149811	1.00E-157	324	340	95 -	1	340	6935	7264
UN66507	Rsa1.0.10868.1	615	5695	1.00E-156	297	303	98 +	302	604	2091	2393
UN66508	Rsa1.0.02229.1	777	33672	1.00E-161	344	362	95 -	416	777	11295	11653
UN66509	Rsa1.0.03876.1	386	20334	1.00E-176	370	388	95 -	1	386	16926	17313
UN66510	Rsa1.0.00259.1	630	163204	0	603	632	95 +	1	630	154330	154941
UN66511	Rsa1.0.00010.1	650	294827	0	643	653	98 -	1	650	227514	228166
UN66512	Rsa1.0.01061.1	320	55349	1.00E-148	310	322	96 +	1	320	29544	29860
UN66513	Rsa1.0.00040.1	458	324196	6.00E-78	219	237	92 +	4	237	172778	173009
UN66514	Rsa1.0.00271.1	219	101125	7.00E-82	199	214	92 -	3	216	88750	88963
UN66515	Rsa1.0.05596.1	663	137912	2.00E-23	57	57	100 -	1	57	6636	6692
UN66516	Rsa1.0.02347.1	510	32332	1.00E-177	352	361	97 +	1	360	23577	23934
UN66517	Rsa1.0.00058.1	639	159921	0	512	540	94 -	10	549	71350	71867
UN66518	Rsa1.0.00387.1	178	495407	7.00E-26	137	161	85 +	7	165	401067	401224
UN66519	Rsa1.0.00522.1	701	78103	1.00E-153	283	285	99 -	1	283	44049	44333
UN66520	Rsa1.0.00816.1	127	403350	8.00E-31	77	80	96 -	47	126	111727	111806
UN66521	Rsa1.0.04332.1	658	17869	1.00E-132	243	244	99 +	1	244	4064	4307
UN66522	Rsa1.0.00531.1	749	77387	1.00E-109	228	236	96 -	1	235	39884	40114
UN66523	Rsa1.0.36697.1	745	614	1.00E-169	326	334	97 -	1	334	2	335
UN66524	Rsa1.0.04174.1	681	18670	0	674	681	98 -	1	681	8548	9228
UN66525	Rsa1.0.01605.1	713	42442	0	437	439	99 +	2	440	7037	7475
UN66526	Rsa1.0.04913.1	702	15464	0	667	683	97 -	22	702	14703	15384
UN66527	Rsa1.0.44747.1	384	503	2.00E-71	146	149	97 -	161	309	11	159
UN66528	Rsa1.0.03450.1	822	22835	1.00E-115	229	234	97 +	1	232	9563	9796
UN66529	Rsa1.0.00528.1	739	164755	0	698	719	97 -	3	719	132639	133356
UN66530	Rsa1.0.00782.1	880	64468	1.00E-163	313	319	98 +	451	767	19988	20306
UN66531	Rsa1.0.00037.1	302	307838	1.00E-141	282	289	97 -	8	295	146301	146588
UN66532	Rsa1.0.00341.1	166	249309	4.00E-27	146	168	86 +	3	166	101778	101942

UN66533	Rsa1.0.00517.1	510	142790	0	506	513	98 -	1	510	132823	133335
UN66534	Rsa1.0.00199.1	555	249604	0	520	555	93 -	1	555	36084	36618
UN66535	Rsa1.0.01011.1	683	56883	0	630	664	94 +	17	679	4866	5518
UN66536	Rsa1.0.04254.1	561	18258	0	545	563	96 +	4	561	15188	15749
UN66537	Rsa1.0.00581.1	760	163575	2.33E-156	275	278	98 -	2	278	35997	36274
UN66538	Rsa1.0.03249.1	727	146254	0	425	432	98 +	1	431	6688	7119
UN66539	Rsa1.0.01151.1	900	52268	0	822	877	93 -	6	868	29731	30594
UN66540	Rsa1.0.00314.1	745	96472	1.00E-141	279	286	97 -	98	383	30151	30435
UN66541	Rsa1.0.00643.1	791	70658	7.00E-85	386	461	83 -	5	455	5702	6148
UN66542	Rsa1.0.05376.1	117	13977	4.00E-45	101	104	97 -	1	104	5761	5864
UN66543	Rsa1.0.00169.1	767	274298	0	726	759	95 +	3	755	61965	62722
UN66544	Rsa1.0.10042.1	907	6027	0	853	858	99 +	1	857	5039	5896
UN66545	Rsa1.0.00127.1	679	127446	0	360	360	100 -	1	360	21424	21783
UN66546	Rsa1.0.13590.1	450	4689	0	389	409	95 +	40	447	3664	4071
UN66547	Rsa1.0.02146.1	540	34625	1.00E-108	262	282	92 -	1	270	12660	12941
UN66548	Rsa1.0.16992.1	664	1960	0	641	663	96 +	2	664	737	1399
UN66549	Rsa1.0.05265.1	623	14322	0	542	565	95 -	1	565	5197	5761
UN66550	Rsa1.0.03972.1	149	19787	7.00E-35	128	145	88 -	1	145	13651	13792
UN66551	Rsa1.0.00335.1	716	94371	0	411	430	95 +	5	424	45327	45756
UN66552	Rsa1.0.00083.1	762	442773	0	351	352	99 +	1	352	435920	436271
UN66553	Rsa1.0.00303.1	786	97468	0	784	787	99 -	1	786	44008	44794
UN66554	Rsa1.0.06877.1	586	10223	1.00E-120	219	219	100 +	3	221	788	1006
UN66555	Rsa1.0.04462.1	741	17250	0	523	550	95 +	193	741	12073	12622
UN66556	Rsa1.0.03261.1	797	24281	0	482	497	96 +	106	599	10621	11117
UN66557	Rsa1.0.00031.1	425	179862	0	407	426	95 -	1	425	23827	24251
UN66558	Rsa1.0.05950.1	511	12130	1.00E-107	255	271	94 +	100	365	1035	1304
UN66559	Rsa1.0.04989.1	459	15217	0	439	448	97 -	1	448	2322	2769
UN66560	Rsa1.0.00507.1	648	79074	0	568	594	95 -	60	648	54348	54932
UN66561	Rsa1.0.01403.1	504	46453	0	485	505	96 +	1	504	18808	19304
UN66562	Rsa1.0.05412.1	818	13836	0	544	562	96 +	1	561	553	1113
UN66563	Rsa1.0.00463.1	420	189177	1.00E-117	265	281	94 +	1	279	169717	169997
UN66564	Rsa1.0.00101.1	820	267193	0	810	821	98 -	1	820	107426	108246
UN66565	Rsa1.0.00111.1	709	390088	1.00E-171	313	316	99 +	14	329	338334	338649
UN66566	Rsa1.0.00870.1	552	61606	0	540	557	96 +	1	552	32892	33448
UN66567	Rsa1.0.22508.1	182	1115	8.00E-69	166	176	94 +	1	176	848	1022
UN66568	Rsa1.0.03233.1	112	24446	1.00E-32	102	111	91 +	2	112	10613	10722
UN66569	Rsa1.0.00011.1	419	225044	0	400	426	93 +	1	413	103649	104074
UN66570	Rsa1.0.00421.1	432	86365	7.00E-96	224	238	94 -	196	432	67157	67394
UN66571	Rsa1.0.01696.1	467	301850	0	443	463	95 +	1	463	159067	159529

UN66572	Rsa1.0.02664.1	723	28917	0	495	511	96 -	10	520	7481	7989
UN66573	Rsa1.0.00758.1	145	65477	5.00E-60	135	141	95 +	1	141	36880	37020
UN66574	Rsa1.0.03235.1	446	24442	0	436	446	97 -	1	446	14996	15441
UN66575	Rsa1.0.00002.1	446	601661	1.00E-173	414	447	92 -	4	445	232051	232495
UN66576	Rsa1.0_51451.1	397	442	2.00E-68	214	236	90 +	138	371	6	239
UN66577	Rsa1.0_07634.1	766	8979	0	573	594	96 -	174	766	2907	3497
UN66578	Rsa1.0.41102.1	239	546	4.00E-59	146	156	93 -	1	156	1	156
UN66579	Rsa1.0.00040.1	211	324196	2.00E-79	186	198	93 -	14	211	195451	195648
UN66580	Rsa1.0.01171.1	388	51752	0	383	385	99 +	1	385	24451	24835
UN66581	Rsa1.0.03185.1	775	24739	1.00E-101	195	196	99 +	533	727	8398	8593
UN66582	Rsa1.0.00116.1	820	365886	0	774	833	92 -	2	820	323792	324614
UN66583	Rsa1.0.00129.1	634	126831	0	564	598	94 -	49	634	115550	116143
UN66584	Rsa1.0.04927.1	820	15422	0	820	823	99 +	1	820	1684	2506
UN66585	Rsa1.0.03565.1	605	22062	0	437	460	95 +	1	446	1815	2274
UN66586	Rsa1.0.00139.1	780	357786	0	750	785	95 -	1	780	1865	2641
UN66587	Rsa1.0.00340.1	850	305782	0	358	367	97 +	3	369	194262	194620
UN66588	Rsa1.0.05684.1	148	12943	2.00E-31	96	105	91 -	33	137	11435	11539
UN66589	Rsa1.0.02535.1	744	30382	0	691	753	91 +	4	744	9435	10187
UN66590	Rsa1.0.00019.1	855	301669	0	594	599	99 +	1	598	7364	7962
UN66591	Rsa1.0.00108.1	224	478491	1.00E-105	218	225	96 -	1	224	47302	47526
UN66592	Rsa1.0.01396.1	357	151624	1.00E-132	292	309	94 +	52	357	128767	129075
UN66593	Rsa1.0.00007.1	686	239325	0	595	632	94 -	3	630	58424	59045
UN66594	Rsa1.0_45734.1	642	493	7.00E-66	137	140	97 +	392	531	153	292
UN66595	Rsa1.0.00341.1	568	249309	2.00E-63	203	226	89 -	244	467	211334	211546
UN66596	Rsa1.0.00350.1	764	92346	0	587	609	96 +	3	608	52343	52951
UN66597	Rsa1.0_29841.1	707	770	0	602	617	97 +	1	616	154	770
UN66598	Rsa1.0.02306.1	460	32776	0	457	458	99 +	3	460	6259	6716
UN66599	Rsa1.0.00428.1	504	85599	1.00E-150	283	287	98 -	3	285	8593	8879
UN66600	Rsa1.0.08752.1	742	6959	0	672	712	94 -	2	707	305	1012
UN66601	Rsa1.0.00708.1	150	67366	5.00E-57	137	144	95 +	2	145	16714	16856
UN66602	Rsa1.0.00040.1	787	324196	1.00E-125	231	232	99 +	201	432	242141	242372
UN66603	Rsa1.0.00050.1	103	237174	4.00E-32	95	102	93 +	2	103	181060	181160
UN66604	Rsa1.0.01099.1	648	158481	1.00E-117	223	226	98 -	184	409	28724	28949
UN66605	Rsa1.0.01889.1	454	37562	1.00E-117	235	242	97 +	186	427	23057	23298
UN66606	Rsa1.0.00732.1	762	66631	1.00E-133	287	297	96 +	460	752	13098	13394
UN66607	Rsa1.0.00060.1	785	502678	1.00E-121	231	233	99 -	3	235	384700	384931
UN66608	Rsa1.0.00016.1	290	831256	1.00E-96	225	235	95 +	60	290	575573	575807
UN66609	Rsa1.0_01857.1	592	38103	1.00E-177	386	409	94 +	188	584	4693	5100
UN66610	Rsa1.0_00391.1	755	183853	0	699	707	98 -	55	755	61101	61807

UN66611	Rsa1.0_00707.1	738	190112	0	522	537	97 -	83	618	53138	53674
UN66612	Rsa1.0_05823.1	813	12521	1.00E-139	292	305	95 -	5	309	1	302
UN66613	Rsa1.0_01016.1	653	181422	0	396	396	100 +	258	653	155897	156292
UN66614	Rsa1.0_03099.1	651	139424	0	512	552	92 +	3	550	4079	4611
UN66615	Rsa1.0_00273.1	778	326186	1.00E-80	156	157	99 -	196	352	156785	156941
UN66616	Rsa1.0_17800.1	730	1738	0	618	628	98 -	1	628	12	639
UN66617	Rsa1.0_03055.1	680	25730	0	375	377	99 +	1	377	1340	1716
UN66618	Rsa1.0_01696.1	636	301850	5.00E-73	143	144	99 +	92	235	291366	291509
UN66619	Rsa1.0_00963.1	677	58176	4.00E-43	90	90	100 -	534	623	26927	27016
UN66620	Rsa1.0_00253.1	611	231292	6.00E-48	122	130	93 +	471	600	105562	105691
UN66621	Rsa1.0_02586.1	634	29856	0	474	526	90 +	127	634	19482	19989
UN66622	Rsa1.0_00913.1	679	59914	1.00E-137	248	248	100 -	1	248	3545	3792
UN66623	Rsa1.0_00193.1	757	194198	1.00E-120	219	219	100 +	3	221	101079	101297
UN66624	Rsa1.0_14624.1	738	3217	9.00E-75	152	155	98 -	21	175	1334	1488
UN66625	Rsa1.0_03244.1	574	24413	0	542	551	98 -	24	574	17093	17643
UN66626	Rsa1.0_13609.1	729	4644	2.00E-75	171	180	95 +	288	467	2459	2638
UN66627	Rsa1.0_00387.1	500	495407	1.00E-134	272	282	96 +	219	500	406194	406475
UN66628	Rsa1.0_01017.1	763	56714	0	356	357	99 -	3	359	12736	13092
UN66629	Rsa1.0_12132.1	798	5306	0	334	334	100 -	3	336	1	334
UN66630	Rsa1.0_00321.1	754	95671	1.00E-138	274	282	97 -	473	754	83037	83314
UN66631	Rsa1.0_07704.1	779	8754	0	738	768	96 +	3	760	1355	2122
UN66632	Rsa1.0_01163.1	754	51946	2.00E-94	179	180	99 +	326	505	15257	15436
UN66633	Rsa1.0_03821.1	685	20643	3.00E-87	173	176	98 +	208	383	4155	4330
UN66634	Rsa1.0_00024.1	629	188018	0	625	628	99 -	3	629	3614	4241
UN66635	Rsa1.0_03884.1	702	20274	1.00E-143	324	344	94 +	122	460	18968	19308
UN66636	Rsa1.0_03776.1	731	20926	1.00E-101	206	212	97 -	129	340	1375	1586
UN66637	Rsa1.0_00600.1	776	73395	0	386	388	99 +	13	400	66182	66569
UN66638	Rsa1.0_00718.1	559	279335	0	401	406	98 +	155	559	252843	253248
UN66639	Rsa1.0_01321.1	574	48248	3.00E-74	198	215	92 -	363	574	35833	36040
UN66640	Rsa1.0_00556.1	704	207212	0	651	676	96 -	32	700	28487	29161
UN66641	Rsa1.0_00224.1	443	327530	2.00E-40	106	112	94 -	9	120	179373	179482
UN66642	Rsa1.0_01349.1	769	47513	0	757	776	97 -	2	769	12390	13159
UN66643	Rsa1.0_00821.1	686	62891	2.00E-78	155	157	98 +	439	595	50456	50612
UN66644	Rsa1.0_05819.1	629	12543	1.00E-117	220	222	99 -	408	629	10985	11206
UN66645	Rsa1.0_01716.1	225	40483	2.00E-30	138	163	84 -	21	168	11946	12108
UN66646	Rsa1.0_00752.1	244	65756	2.00E-48	104	106	98 -	136	241	40992	41097
UN66647	Rsa1.0_13788.1	788	4338	1.00E-145	261	261	100 -	206	466	481	741
UN66648	Rsa1.0_07771.1	773	8603	0	465	475	97 +	254	728	2838	3312
UN66649	Rsa1.0_22212.1	424	1141	0	398	399	99 +	27	424	255	653

UN66650	Rsa1.0_04504.1	706	17069	4.00E-89	213	228	93 +	491	704	2582	2809
UN66651	Rsa1.0_00115.1	770	131321	3.00E-87	167	168	99 -	218	385	29078	29245
UN66652	Rsa1.0_07850.1	639	8423	0	495	496	99 +	144	639	3231	3726
UN66653	Rsa1.0_04626.1	792	16611	1.00E-159	298	300	99 +	3	301	11783	12081
UN66654	Rsa1.0_04296.1	703	18030	0	348	353	98 +	62	414	5683	6035
UN66655	Rsa1.0_09126.1	656	6625	1.00E-168	316	320	98 +	193	511	99	418
UN66656	Rsa1.0_00169.1	804	274298	1.00E-128	244	248	98 -	352	599	268750	268997
UN66657	Rsa1.0_01176.1	768	51638	0	706	710	99 -	56	764	4080	4789
UN66658	Rsa1.0_10300.1	801	5899	0	577	596	96 -	164	756	4105	4697
UN66659	Rsa1.0_25955.1	357	912	1.00E-169	337	349	96 +	2	350	171	519
UN66660	Rsa1.0_00737.1	772	66432	0	345	346	99 -	3	348	63192	63536
UN66661	Rsa1.0_02554.1	762	30187	1.00E-166	302	304	99 +	57	360	5639	5942
UN66662	Rsa1.0_00483.1	602	81102	7.00E-63	215	245	87 +	1	242	32662	32906
UN66663	Rsa1.0_00073.1	459	240924	0	456	459	99 -	3	459	82583	83041
UN66664	Rsa1.0_03028.1	680	25872	1.00E-176	359	373	96 +	309	680	2911	3283
UN66665	Rsa1.0_00218.1	804	201480	0	466	466	100 +	2	467	12149	12614
UN66666	Rsa1.0_00105.1	278	134138	2.00E-70	138	139	99 -	12	150	70941	71079
UN66667	Rsa1.0_33678.1	544	673	0	337	341	98 -	204	544	90	430
UN66668	Rsa1.0_15018.1	595	2889	1.00E-141	281	290	96 +	284	573	2384	2673
UN66669	Rsa1.0_05932.1	742	12207	1.00E-165	313	319	98 -	140	458	1391	1709
UN66670	Rsa1.0_00083.1	791	442773	0	752	786	95 -	5	786	327107	327889
UN66671	Rsa1.0_01442.1	387	45776	1.00E-163	346	362	95 -	1	361	18025	18385
UN66672	Rsa1.0_00293.1	628	339294	1.00E-180	390	414	94 -	224	628	306767	307178
UN66673	Rsa1.0_00737.1	778	66432	4.00E-71	146	149	97 -	524	672	12060	12208
UN66674	Rsa1.0_00097.1	821	138858	1.00E-100	216	222	97 -	585	803	77258	77479
UN66675	Rsa1.0_00025.1	797	277312	0	708	729	97 +	73	797	141051	141779
UN66676	Rsa1.0_09768.1	587	6159	0	489	495	98 +	93	587	3195	3689
UN66677	Rsa1.0_00104.1	599	368722	0	507	508	99 -	92	599	214133	214640
UN66678	#	#	#	#	#	#	#	#	#	#	#
UN66679	Rsa1.0_01146.1	433	163455	1.00E-141	271	274	98 +	158	431	25092	25363
UN66680	Rsa1.0_00748.1	753	65983	5.00E-92	184	188	97 +	495	682	39315	39502
UN66681	Rsa1.0_03244.1	703	24413	1.00E-144	269	271	99 -	434	703	23110	23380
UN66682	Rsa1.0_01156.1	809	52147	1.00E-119	256	262	97 +	553	809	32397	32658
UN66683	Rsa1.0_00014.1	647	348985	0	645	647	99 -	1	647	35223	35869
UN66684	Rsa1.0_00918.1	669	59720	1.00E-140	258	260	99 -	106	365	9592	9851
UN66685	Rsa1.0_02983.1	303	26268	8.00E-98	217	226	96 -	77	302	490	709
UN66686	Rsa1.0_00222.1	626	172263	1.00E-128	242	245	98 -	298	542	19450	19694
UN66687	Rsa1.0_01527.1	737	43905	0	364	371	98 +	3	373	23708	24077
UN66688	Rsa1.0_00223.1	733	106231	1.00E-143	293	302	97 -	434	733	42307	42608

UN66689	Rsa1.0_15045.1	169	2870	3.00E-46	104	106	98 +	3	107	1636	1741
UN66690	Rsa1.0_00821.1	644	62891	2.33E-156	303	316	95 -	331	638	55707	56021
UN66691	Rsa1.0_00387.1	669	495407	1.00E-143	273	277	98 -	393	669	386754	387029
UN66692	Rsa1.0_00139.1	712	357786	0	378	382	98 -	51	432	302296	302677
UN66693	Rsa1.0_01534.1	690	43764	3.00E-74	218	240	90 +	452	690	8925	9160
UN66694	Rsa1.0_00546.1	811	76523	1.00E-144	314	332	94 +	172	503	63470	63801
UN66695	Rsa1.0_04140.1	318	18879	1.00E-87	181	187	96 +	1	187	12147	12327
UN66696	Rsa1.0_00080.1	638	190437	0	613	637	96 -	2	638	104752	105388
UN66697	Rsa1.0_02220.1	502	176031	1.00E-130	272	284	95 -	219	502	647	930
UN66698	Rsa1.0_00971.1	638	57973	0	500	501	99 -	102	602	51938	52438
UN66699	Rsa1.0_00566.1	789	75325	2.00E-97	329	377	87 -	210	585	20189	20565
UN66700	Rsa1.0_01048.1	666	55684	2.00E-97	190	193	98 +	115	307	27541	27733
UN66701	Rsa1.0_01579.1	561	42860	1.00E-166	318	324	98 +	239	561	22671	22994
UN66702	Rsa1.0_00480.1	643	81325	1.00E-156	279	279	100 -	109	387	43107	43385
UN66703	Rsa1.0_02138.1	572	34695	1.00E-170	312	315	99 +	258	572	7722	8036
UN66704	Rsa1.0_00014.1	689	348985	1.00E-156	336	353	95 -	2	354	328731	329079
UN66705	Rsa1.0_10309.1	653	5894	0	442	446	99 +	152	597	5450	5894
UN66706	Rsa1.0_09755.1	717	6166	6.00E-73	241	272	88 +	444	713	990	1261
UN66707	Rsa1.0_01121.1	543	53407	0	423	434	97 +	112	543	8220	8649
UN66708	Rsa1.0_02637.1	788	29244	2.00E-63	170	183	92 +	1	180	4614	4796
UN66709	Rsa1.0_00068.1	517	151813	1.00E-100	220	230	95 +	38	267	51650	51873
UN66710	Rsa1.0_00038.1	814	314568	0	437	448	97 -	79	523	236060	236503
UN66711	Rsa1.0_01301.1	639	169072	0	610	636	95 +	4	639	40378	41010
UN66712	Rsa1.0_04181.1	389	18615	0	389	389	100 +	1	389	15430	15818
UN66713	Rsa1.0_42389.1	778	529	0	525	529	99 -	231	756	1	529
UN66714	Rsa1.0_00451.1	656	322533	1.00E-121	289	310	93 -	3	312	49439	49739
UN66715	Rsa1.0_00038.1	791	314568	0	750	801	93 +	3	770	175980	176780
UN66716	Rsa1.0_01119.1	770	53459	7.00E-79	178	186	95 +	40	224	21963	22148
UN66717	Rsa1.0_04876.1	763	15631	1.00E-151	275	276	99 -	327	602	6447	6722
UN66718	Rsa1.0_00253.1	762	231292	0	699	718	97 -	14	726	204552	205266
UN66719	Rsa1.0_03965.1	461	19828	0	458	460	99 -	2	461	1286	1745
UN66720	Rsa1.0_00079.1	796	606987	1.00E-171	338	347	97 -	422	767	448242	448586
UN66721	Rsa1.0_08053.1	479	7999	1.00E-123	421	487	86 +	1	479	5457	5940
UN66722	Rsa1.0_00002.1	812	601661	1.00E-144	280	283	98 +	476	755	593692	593974
UN66723	Rsa1.0_01218.1	778	50536	0	431	461	93 -	3	459	49515	49974
UN66724	Rsa1.0_15729.1	783	2459	0	723	745	97 -	1	742	674	1418
UN66725	Rsa1.0_00013.1	382	292129	0	368	381	96 +	2	382	118882	119262
UN66726	Rsa1.0_01029.1	700	256254	1.00E-131	247	250	98 -	75	324	241720	241969
UN66727	Rsa1.0_00034.1	721	260119	3.00E-84	197	208	94 +	515	721	89248	89446

UN66728	Rsa1.0_09978.1	611	6055	0	436	453	96 -	159	611	161	610
UN66729	Rsa1.0_00071.1	655	345714	1.00E-158	321	335	95 +	2	336	13606	13931
UN66730	Rsa1.0_00619.1	676	71985	0	654	676	96 +	1	676	67023	67698
UN66731	Rsa1.0_01221.1	707	50421	8.00E-63	126	127	99 +	282	408	46714	46840
UN66732	Rsa1.0_04079.1	463	19202	1.00E-102	200	204	98 -	260	463	14313	14516
UN66733	Rsa1.0_01023.1	697	56571	1.00E-154	306	316	96 -	11	326	13865	14180
UN66734	Rsa1.0_00837.1	680	62568	0	613	630	97 +	2	626	61797	62426
UN66735	Rsa1.0_00008.1	747	358124	0	345	345	100 -	2	346	82962	83306
UN66736	Rsa1.0_01137.1	641	52655	0	377	383	98 -	2	383	32180	32562
UN66737	Rsa1.0_00984.1	649	57580	1.00E-177	325	327	99 -	324	649	273	599
UN66738	Rsa1.0_02527.1	720	177225	0	720	720	100 -	1	720	148129	148848
UN66739	Rsa1.0_00065.1	718	454616	1.00E-152	350	375	93 -	5	379	191624	191995
UN66740	Rsa1.0_03070.1	650	25578	1.00E-123	324	361	89 -	268	607	24621	24980
UN66741	Rsa1.0_20469.1	328	1302	0	328	328	100 -	1	328	781	1108
UN66742	Rsa1.0_00151.1	670	119541	0	591	600	98 +	74	670	107701	108300
UN66743	Rsa1.0_20862.1	664	1261	0	644	659	97 -	10	664	296	954
UN66744	Rsa1.0_07969.1	218	8157	6.00E-70	175	182	96 -	1	177	5913	6094
UN66745	Rsa1.0_00041.1	694	186197	5.00E-24	87	96	90 +	182	277	113912	114004
UN66746	Rsa1.0_00163.1	666	116847	0	439	449	97 +	218	666	84570	85018
UN66747	Rsa1.0_09054.1	259	6680	4.00E-16	109	130	83 -	133	259	4362	4491
UN66748	Rsa1.0_07863.1	722	8404	5.00E-64	137	141	97 -	3	143	5580	5720
UN66749	Rsa1.0_02561.1	776	30080	5.00E-61	120	120	100 -	173	292	16251	16370
UN66750	Rsa1.0_22496.1	759	1116	4.00E-71	146	149	97 -	1	149	22	170
UN66751	Rsa1.0_00482.1	577	81162	1.00E-128	232	232	100 -	1	232	9861	10092
UN66752	Rsa1.0_00740.1	658	215972	0	457	487	93 +	136	619	34237	34723
UN66753	Rsa1.0_00144.1	579	120708	1.00E-125	252	260	96 -	191	450	112447	112706
UN66754	Rsa1.0_02032.1	669	35830	0	620	631	98 +	37	666	1810	2440
UN66755	#	#	#	#	#	#	#	#	#	#	#
UN66756	Rsa1.0_02433.1	646	158318	0	642	644	99 -	3	646	593	1236
UN66757	Rsa1.0_04786.1	620	15988	0	492	492	100 -	129	620	14552	15043
UN66758	Rsa1.0_11080.1	801	5623	8.00E-94	235	250	94 -	557	801	4084	4333
UN66759	#	#	#	#	#	#	#	#	#	#	#
UN66760	Rsa1.0_00645.1	678	189716	0	424	429	98 +	201	627	23230	23658
UN66761	Rsa1.0_03272.1	716	24171	0	479	494	96 +	1	492	19327	19820
UN66762	Rsa1.0_04919.1	526	15440	1.00E-165	310	315	98 -	4	318	14560	14874
UN66763	Rsa1.0_00784.1	788	64359	0	587	607	96 +	5	608	29130	29732
UN66764	Rsa1.0_01049.1	161	55655	5.00E-76	153	156	98 +	6	161	39382	39537
UN66765	Rsa1.0_04295.1	681	18040	9.00E-75	252	289	87 +	283	571	10212	10493
UN66766	Rsa1.0_01726.1	815	40263	1.00E-134	301	319	94 -	1	308	9365	9683

UN66767	Rsa1.0.00127.1	715	127446	0	472	521	90 -	142	645	4520	5025
UN66768	Rsa1.0.02823.1	586	27588	0	436	440	99 -	1	440	14422	14861
UN66769	Rsa1.0.00059.1	457	159650	1.00E-116	216	217	99 +	208	424	63089	63305
UN66770	Rsa1.0.07292.1	570	9605	4.00E-73	155	160	96 -	1	160	4987	5146
UN66771	Rsa1.0.04153.1	518	18807	0	342	343	99 +	176	518	16104	16446
UN66772	Rsa1.0.02117.1	663	34843	1.00E-127	261	271	96 +	151	421	15985	16255
UN66773	Rsa1.0.01752.1	735	39805	1.00E-133	244	245	99 +	2	246	3365	3609
UN66774	Rsa1.0.02878.1	582	27048	1.00E-143	301	316	95 +	163	472	19740	20055
UN66775	Rsa1.0.00275.1	794	210104	1.00E-140	359	381	94 -	429	794	155234	155614
UN66776	Rsa1.0.00002.1	539	601661	1.00E-106	195	195	100 -	295	489	94309	94503
UN66777	Rsa1.0.01740.1	802	39986	0	767	807	95 +	2	801	17482	18288
UN66778	Rsa1.0.00017.1	773	752458	1.00E-74	225	251	89 +	25	269	1795	2035
UN66779	Rsa1.0.01950.1	534	36950	1.00E-113	235	244	96 -	6	249	20401	20644
UN66780	Rsa1.0.02929.1	763	26673	3.00E-59	126	129	97 +	146	274	23248	23376
UN66781	Rsa1.0.00251.1	533	303968	1.00E-159	288	289	99 +	245	533	140959	141247
UN66782	Rsa1.0.01365.1	596	47142	1.00E-141	287	297	96 -	200	496	26232	26526
UN66783	Rsa1.0.01377.1	655	46967	1.00E-116	253	266	95 -	102	367	1262	1524
UN66784	Rsa1.0.00829.1	766	158305	1.00E-107	225	232	96 -	539	766	131490	131721
UN66785	#	#	#	#	#	#	#	#	#	#	#
UN66786	Rsa1.0.04109.1	581	19000	0	390	394	98 +	188	581	7343	7736
UN66787	Rsa1.0.00079.1	568	606987	0	425	433	98 +	4	436	15848	16280
UN66788	Rsa1.0.00200.1	817	162016	1.00E-159	358	376	95 +	447	817	108700	109075
UN66789	Rsa1.0.02930.1	725	26668	1.00E-159	291	293	99 +	2	294	21608	21900
UN66790	Rsa1.0.00625.1	358	71672	3.00E-79	171	178	96 -	123	300	15730	15907
UN66791	Rsa1.0.00188.1	641	112020	1.00E-139	278	287	96 +	355	641	37919	38205
UN66792	Rsa1.0.04219.1	539	18421	0	531	536	99 -	4	539	476	1007
UN66793	Rsa1.0.00394.1	674	148426	0	600	633	94 -	6	626	99719	100346
UN66794	Rsa1.0.04225.1	725	18400	0	383	383	100 +	3	385	9168	9550
UN66795	Rsa1.0.04411.1	428	142979	1.00E-133	240	240	100 -	3	242	137399	137638
UN66796	Rsa1.0.01758.1	745	39747	1.00E-154	461	518	88 +	112	618	38872	39373
UN66797	Rsa1.0.01287.1	757	49195	0	391	391	100 -	3	393	4081	4471
UN66798	Rsa1.0.00968.1	640	58020	0	638	639	99 -	2	640	9846	10484
UN66799	Rsa1.0.00188.1	792	112020	0	458	479	95 +	3	475	8350	8828
UN66800	Rsa1.0.00124.1	475	262503	1.00E-164	308	312	98 +	164	475	255326	255635
UN66801	Rsa1.0.14855.1	778	3011	0	495	512	96 +	250	758	1310	1821
UN66802	Rsa1.0.03280.1	598	145083	0	586	597	98 -	2	598	499	1095
UN66803	Rsa1.0.01145.1	592	149247	1.00E-42	89	89	100 -	364	452	125353	125441
UN66804	Rsa1.0.00437.1	630	84879	8.00E-78	148	148	100 +	351	498	50281	50428
UN66805	Rsa1.0.03964.1	676	19835	1.00E-139	305	322	94 -	3	322	5670	5991

UN66806	Rsa1.0_16727.1	742	2052	1.00E-105	197	198	99 +	3	200	796	993
UN66807	Rsa1.0_00002.1	614	601661	0	610	612	99 +	3	614	411308	411919
UN66808	Rsa1.0_03123.1	641	25207	0	344	348	98 +	294	641	22210	22557
UN66809	Rsa1.0_00099.1	770	159619	0	737	772	95 +	1	770	119466	120234
UN66810	Rsa1.0_00300.1	763	97747	0	569	594	95 +	174	763	27961	28554
UN66811	Rsa1.0_00092.1	793	659932	0	677	682	99 -	3	684	234216	234897
UN66812	Rsa1.0_00152.1	593	257730	5.00E-76	171	180	95 -	3	176	88376	88555
UN66813	Rsa1.0_01400.1	684	46560	3.00E-59	189	213	88 +	24	236	24802	25014
UN66814	Rsa1.0_01078.1	614	316910	0	607	612	99 +	3	614	314040	314650
UN66815	Rsa1.0_00557.1	764	75865	1.00E-117	241	249	96 -	433	678	17128	17376
UN66816	Rsa1.0_04028.1	216	19493	1.00E-109	203	204	99 +	13	216	12064	12267
UN66817	Rsa1.0_00170.1	644	179538	1.00E-125	373	420	88 -	222	640	83776	84195
UN66818	Rsa1.0_00412.1	629	86935	0	432	432	100 +	2	433	17516	17947
UN66819	Rsa1.0_01811.1	563	38977	1.00E-162	298	301	99 +	263	563	25457	25757
UN66820	Rsa1.0_00059.1	809	159650	1.00E-167	317	322	98 +	3	323	19766	20087
UN66821	Rsa1.0_00163.1	659	116847	1.00E-165	310	315	98 +	342	656	45041	45355
UN66822	Rsa1.0_04870.1	674	135142	8.00E-66	131	132	99 -	372	503	2377	2508
UN66823	Rsa1.0_13531.1	673	4748	0	432	432	100 -	242	673	545	976
UN66824	Rsa1.0_00123.1	740	325650	0	713	745	95 -	2	740	297233	297958
UN66825	Rsa1.0_00265.1	485	220635	0	452	485	93 -	4	485	171373	171853
UN66826	Rsa1.0_00671.1	595	397884	0	588	594	98 +	2	595	157719	158310
UN66827	Rsa1.0_00706.1	589	291570	0	585	587	99 +	3	589	54835	55421
UN66828	Rsa1.0_04109.1	600	19000	0	572	606	94 -	3	600	523	1123
UN66829	Rsa1.0_14084.1	668	3822	1.00E-141	270	275	98 -	319	593	1302	1576
UN66830	Rsa1.0_01539.1	399	43698	0	396	397	99 +	3	399	40393	40789
UN66831	Rsa1.0_00016.1	774	831256	1.00E-128	236	237	99 +	331	567	281292	281528
UN66832	Rsa1.0_04126.1	788	18939	1.00E-129	286	295	96 +	500	788	17402	17696
UN66833	Rsa1.0_00827.1	646	62790	0	411	416	98 -	87	502	24029	24444
UN66834	Rsa1.0_01649.1	589	41624	1.00E-113	208	208	100 +	168	375	27386	27593
UN66835	Rsa1.0_00526.1	744	169279	0	421	431	97 +	318	744	167348	167776
UN66836	Rsa1.0_01857.1	763	38103	1.00E-122	243	250	97 +	292	541	7172	7421
UN66837	Rsa1.0_02233.1	443	33658	0	417	435	95 -	10	443	11321	11750
UN66838	Rsa1.0_00716.1	589	67078	1.00E-180	371	386	96 -	139	520	37528	37913
UN66839	Rsa1.0_08039.1	638	8030	0	556	568	97 -	71	638	5539	6106
UN66840	Rsa1.0_00112.1	718	132199	1.00E-144	260	260	100 +	332	591	71227	71486
UN66841	Rsa1.0_01049.1	672	55655	1.00E-89	183	188	97 -	206	393	43175	43362
UN66842	Rsa1.0_00187.1	153	393093	1.00E-39	83	83	100 +	71	153	31616	31698
UN66843	Rsa1.0_02648.1	330	29073	1.00E-13	61	67	91 +	154	218	27615	27681
UN66844	Rsa1.0_00017.1	773	752458	0	757	772	98 +	2	773	479926	480697

UN66845	Rsa1.0.00305.1	635	97308	0	551	560	98 -	78	635	81866	82425
UN66846	Rsa1.0.01951.1	664	36941	0	413	419	98 -	245	658	36523	36941
UN66847	Rsa1.0.01515.1	619	170864	0	520	539	96 -	81	619	127862	128397
UN66848	Rsa1.0.07767.1	761	8609	1.00E-129	253	259	97 -	446	704	6842	7100
UN66849	Rsa1.0.00978.1	468	57739	1.00E-63	133	136	97 -	333	468	3918	4053
UN66850	Rsa1.0.00707.1	422	190112	0	417	421	99 -	2	422	3419	3839
UN66851	Rsa1.0.00141.1	802	121494	7.00E-82	161	163	98 -	385	547	113062	113224
UN66852	Rsa1.0.00722.1	647	66840	1.00E-180	386	408	94 -	113	514	46989	47393
UN66853	Rsa1.0.03625.1	773	21692	0	389	401	97 +	10	410	14085	14485
UN66854	Rsa1.0.02101.1	781	35017	1.00E-166	406	433	93 -	327	751	33036	33465
UN66855	Rsa1.0.00135.1	716	178077	1.00E-109	204	205	99 -	193	397	10120	10324
UN66856	Rsa1.0.14084.1	752	3822	1.00E-119	342	376	90 -	397	752	2031	2403
UN66857	Rsa1.0.01732.1	650	40194	0	628	659	95 -	6	647	18279	18937
UN66858	Rsa1.0.08361.1	597	7477	1.00E-165	294	294	100 +	3	296	1939	2232
UN66859	Rsa1.0.14545.1	772	3284	1.00E-138	391	435	89 -	278	707	1265	1669
UN66860	Rsa1.0.00630.1	688	71281	0	567	582	97 +	3	584	8427	9000
UN66861	Rsa1.0.01756.1	735	39779	0	492	511	96 +	189	696	39265	39774
UN66862	Rsa1.0.01763.1	330	39659	1.00E-143	314	337	93 +	11	330	3626	3962
UN66863	Rsa1.0.05804.1	638	12586	0	630	638	98 -	2	638	807	1442
UN66864	Rsa1.0.02142.1	784	34633	1.00E-121	221	221	100 +	3	223	14207	14427
UN66865	Rsa1.0.02084.1	756	35205	1.00E-116	222	224	99 +	534	756	29930	30153
UN66866	Rsa1.0.03133.1	737	25135	0	339	340	99 +	3	342	12699	13038
UN66867	Rsa1.0.14694.1	540	3152	2.00E-44	95	96	98 -	254	349	880	975
UN66868	Rsa1.0.00997.1	703	57190	1.00E-102	219	229	95 +	37	265	50836	51064
UN66869	Rsa1.0.00710.1	553	67325	3.00E-80	166	170	97 -	386	552	12321	12490
UN66870	Rsa1.0.03070.1	638	25578	0	516	569	90 +	82	638	13276	13843
UN66871	Rsa1.0.00059.1	756	159650	1.00E-122	307	326	94 +	428	740	63397	63722
UN66872	Rsa1.0.00440.1	572	84723	0	565	572	98 +	1	572	78014	78580
UN66873	Rsa1.0.17344.1	645	1853	2.00E-97	184	185	99 +	402	586	1669	1853
UN66874	Rsa1.0.01699.1	616	40816	1.00E-103	208	214	97 -	284	497	17354	17567
UN66875	Rsa1.0.00037.1	715	307838	1.00E-120	273	287	95 +	304	588	306071	306356
UN66876	Rsa1.0.01536.1	669	43747	0	428	431	99 +	237	667	39543	39973
UN66877	Rsa1.0.00178.1	754	114861	1.00E-117	284	309	91 +	332	625	4955	5263
UN66878	Rsa1.0.00458.1	683	82717	1.00E-126	235	237	99 -	278	514	23843	24079
UN66879	Rsa1.0.00721.1	599	66918	0	597	598	99 +	2	599	6340	6937
UN66880	Rsa1.0.00089.1	785	406142	1.00E-126	248	254	97 -	532	785	356970	357223
UN66881	Rsa1.0.00191.1	139	316976	8.00E-53	129	137	94 +	2	138	8224	8360
UN66882	Rsa1.0.00861.1	721	61759	0	415	417	99 -	297	712	1618	2034
UN66883	Rsa1.0.00571.1	597	329018	0	433	450	96 +	148	597	145042	145491

UN66884	Rsa1.0.02309.1	675	32744	1.00E-155	383	419	91 -	1	402	19703	20121
UN66885	Rsa1.0.00108.1	708	478491	0	666	698	95 -	14	708	281383	282077
UN66886	Rsa1.0.01603.1	426	42468	4.00E-85	256	282	90 -	147	425	38995	39267
UN66887	Rsa1.0.03235.1	777	24442	0	608	616	98 +	167	775	14818	15433
UN66888	Rsa1.0.02930.1	756	26668	0	716	720	99 +	2	719	12432	13151
UN66889	Rsa1.0.54779.1	732	417	1.00E-127	237	239	99 -	494	732	14	252
UN66890	Rsa1.0.00250.1	607	273771	0	588	608	96 +	1	607	57212	57815
UN66891	#	#	#	#	#	#	#	#	#	#	#
UN66892	Rsa1.0.01661.1	687	41400	0	487	489	99 -	183	671	33858	34346
UN66893	Rsa1.0.05599.1	734	143653	1.00E-145	301	309	97 +	429	733	3542	3850
UN66894	Rsa1.0.02855.1	640	27271	0	442	484	91 +	99	579	10360	10831
UN66895	Rsa1.0.00273.1	747	326186	1.00E-149	346	373	92 +	382	739	124232	124601
UN66896	Rsa1.0.00930.1	685	59224	0	660	697	94 +	2	685	36430	37125
UN66897	Rsa1.0.00427.1	694	189678	0	501	537	93 -	14	550	57292	57822
UN66898	Rsa1.0.15203.1	642	2763	4.00E-98	196	200	98 -	295	491	780	979
UN66899	Rsa1.0.00047.1	691	168582	0	676	695	97 -	2	691	154414	155106
UN66900	Rsa1.0.04155.1	613	134772	0	357	357	100 +	1	357	130515	130871
UN66901	Rsa1.0.01829.1	597	166063	0	565	605	93 -	1	597	158065	158659
UN66902	Rsa1.0.03655.1	510	21557	0	392	399	98 +	1	399	1858	2254
UN66903	Rsa1.0.00589.1	611	209965	0	605	609	99 -	3	611	181496	182104
UN66904	Rsa1.0.09006.1	749	6715	0	573	596	96 -	172	749	4252	4847
UN66905	Rsa1.0.00251.1	636	303968	0	527	552	95 -	92	636	114555	115096
UN66906	Rsa1.0.00627.1	436	71566	1.00E-75	156	160	97 +	277	436	29425	29584
UN66907	Rsa1.0.01183.1	734	51465	0	707	735	96 +	2	734	41396	42126
UN66908	Rsa1.0.00341.1	728	249309	1.00E-132	253	255	99 -	454	706	240502	240756
UN66909	Rsa1.0.03241.1	795	24423	1.00E-142	274	280	97 +	3	282	3180	3459
UN66910	Rsa1.0.00028.1	780	293984	2.33E-156	278	283	98 -	3	285	262951	263233
UN66911	Rsa1.0.00016.1	600	831256	1.00E-134	282	291	96 +	312	600	578847	579136
UN66912	Rsa1.0.00506.1	347	79106	1.00E-132	308	333	92 -	1	331	27364	27682
UN66913	Rsa1.0.02092.1	631	35135	0	467	481	97 -	2	477	18888	19368
UN66914	Rsa1.0.02246.1	566	33435	1.00E-122	312	344	90 +	30	373	4796	5127
UN66915	Rsa1.0.00635.1	711	175826	1.00E-118	228	231	98 -	483	711	14177	14407
UN66916	Rsa1.0.00044.1	814	271658	5.00E-58	122	123	99 -	436	558	178856	178977
UN66917	Rsa1.0.00306.1	754	146760	1.00E-162	292	293	99 -	76	368	136226	136518
UN66918	Rsa1.0.12809.1	674	5119	1.00E-139	278	287	96 -	2	288	4503	4789
UN66919	Rsa1.0.00341.1	778	249309	4.00E-80	167	172	97 -	229	400	103263	103434
UN66920	Rsa1.0.00310.1	733	96852	0	619	696	88 +	7	690	5642	6322
UN66921	Rsa1.0.27103.1	598	865	0	371	380	97 -	199	577	38	414
UN66922	Rsa1.0.00420.1	572	86496	0	508	515	98 -	60	572	36866	37378

UN66923	Rsa1.0.01151.1	819	52268	0	670	696	96 +	127	814	29444	30139
UN66924	Rsa1.0.05068.1	500	14940	2.00E-96	179	179	100 -	322	500	7043	7221
UN66925	Rsa1.0.02269.1	771	33168	1.00E-137	290	305	95 +	3	307	169	460
UN66926	Rsa1.0.00314.1	659	96472	7.00E-57	169	187	90 +	476	659	28714	28900
UN66927	Rsa1.0.00237.1	680	235974	0	400	404	99 -	3	406	70771	71174
UN66928	Rsa1.0.03232.1	642	24450	0	442	456	96 -	3	458	81	535
UN66929	Rsa1.0.04394.1	752	17571	0	349	350	99 -	404	752	7209	7558
UN66930	Rsa1.0.00048.1	196	167185	2.00E-48	107	109	98 -	1	107	29451	29559
UN66931	Rsa1.0.00006.1	737	396176	1.00E-108	202	203	99 +	99	301	64903	65105
UN66932	Rsa1.0.00699.1	755	184398	1.00E-148	314	327	96 -	428	752	14284	14610
UN66933	Rsa1.0.00104.1	666	368722	0	658	662	99 -	5	666	216072	216733
UN66934	Rsa1.0.00628.1	618	214360	0	328	328	100 +	291	618	31426	31753
UN66935	Rsa1.0.00172.1	729	115476	0	575	625	92 -	1	611	84908	85532
UN66936	Rsa1.0.02499.1	662	30774	0	637	660	96 +	5	662	16947	17603
UN66937	Rsa1.0.00303.1	786	97468	4.00E-77	193	207	93 -	265	470	31704	31910
UN66938	Rsa1.0.00030.1	744	250988	1.00E-173	456	504	90 -	250	744	59086	59587
UN66939	Rsa1.0.02036.1	739	35731	5.00E-89	182	187	97 +	131	317	6103	6289
UN66940	Rsa1.0.00217.1	781	107079	4.00E-37	380	480	79 +	3	482	44211	44690
UN66941	Rsa1.0.02911.1	721	142461	1.00E-142	259	260	99 +	460	719	129556	129815
UN66942	Rsa1.0.00006.1	796	396176	0	522	559	93 -	4	541	24582	25134
UN66943	Rsa1.0.02428.1	693	31542	0	681	691	98 -	3	693	12564	13254
UN66944	Rsa1.0.00130.1	639	125737	7.00E-94	204	211	96 +	416	626	123711	123919
UN66945	Rsa1.0.00320.1	652	95784	0	631	669	94 -	3	652	37878	38532
UN66946	Rsa1.0.00711.1	780	67223	0	771	782	98 +	1	776	14609	15390
UN66947	Rsa1.0.20726.1	731	1275	1.00E-174	319	321	99 +	411	730	1	321
UN66948	Rsa1.0.01892.1	622	37526	1.00E-164	317	325	97 +	85	409	35013	35337
UN66949	Rsa1.0.02091.1	786	35157	0	741	789	93 +	2	785	25495	26281
UN66950	Rsa1.0.01419.1	752	167402	1.00E-178	316	316	100 +	65	380	41514	41829
UN66951	Rsa1.0.03166.1	605	24863	1.00E-143	295	307	96 -	55	358	935	1241
UN66952	Rsa1.0.11462.1	430	5500	0	412	434	94 -	1	430	2726	3158
UN66953	Rsa1.0.03100.1	632	25411	1.00E-118	248	261	95 +	2	250	962	1222
UN66954	Rsa1.0.02672.1	776	28884	0	746	808	92 +	1	776	25410	26215
UN66955	Rsa1.0.00714.1	793	67187	0	790	809	97 +	2	793	40538	41346
UN66956	Rsa1.0.04113.1	832	18986	3.00E-56	112	112	100 -	2	113	13984	14095
UN66957	Rsa1.0.00039.1	639	296927	0	488	511	95 -	134	639	75484	75994
UN66958	Rsa1.0.00058.1	539	159921	1.00E-140	253	253	100 -	287	539	96877	97129
UN66959	Rsa1.0.00046.1	629	320315	1.00E-131	313	336	93 +	5	340	124643	124974
UN66960	Rsa1.0.00360.1	670	91190	0	667	670	99 +	1	670	79624	80293
UN66961	Rsa1.0.01110.1	814	195852	0	671	700	95 -	115	805	178602	179301

UN66962	Rsa1.0_00297.1	570	97836	3.00E-71	153	156	98 -	112	266	27462	27615
UN66963	Rsa1.0_00427.1	571	189678	3.00E-46	110	115	95 -	251	365	184689	184803
UN66964	Rsa1.0_05501.1	768	13513	6.00E-73	149	152	98 +	531	682	8665	8816
UN66965	Rsa1.0_15643.1	791	2505	0	749	783	95 +	2	774	504	1286
UN66966	Rsa1.0_16486.1	700	2139	1.00E-114	266	280	95 -	421	698	471	747
UN66967	Rsa1.0_10699.1	471	5752	5.00E-63	143	149	95 -	4	149	4953	5101
UN66968	Rsa1.0_05947.1	689	12142	0	649	692	93 -	2	689	4605	5296
UN66969	Rsa1.0_04025.1	640	19511	1.00E-134	252	255	98 +	314	568	5624	5878
UN66970	Rsa1.0_00190.1	669	318240	4.00E-86	169	170	99 +	477	646	37965	38133
UN66971	Rsa1.0_01963.1	679	36719	1.00E-134	252	255	98 -	425	679	22283	22537
UN66972	Rsa1.0_01311.1	792	48456	2.00E-70	136	136	100 -	59	194	45123	45258
UN66973	Rsa1.0_00959.1	658	58202	2.00E-41	129	143	90 -	229	371	18817	18959
UN66974	Rsa1.0_00284.1	742	323267	0	713	737	96 -	7	742	258015	258738
UN66975	Rsa1.0_00352.1	821	92266	0	621	661	93 -	163	813	91609	92266
UN66976	Rsa1.0_32570.1	684	699	0	557	583	95 +	58	640	1	572
UN66977	Rsa1.0_03809.1	791	20731	1.00E-156	318	331	96 +	15	345	18398	18728
UN66978	Rsa1.0_03706.1	822	21255	1.00E-148	379	405	93 +	429	822	1	405
UN66979	Rsa1.0_03450.1	790	22835	0	346	346	100 -	274	619	11011	11356
UN66980	Rsa1.0_00383.1	623	398431	1.00E-101	225	236	95 +	11	243	184314	184546
UN66981	Rsa1.0_00138.1	816	247040	0	427	435	98 -	181	615	17106	17540
UN66982	Rsa1.0_01315.1	750	48361	0	456	475	96 -	278	738	47579	48053
UN66983	Rsa1.0_01428.1	605	46071	1.00E-162	299	301	99 -	304	604	16690	16989
UN66984	Rsa1.0_00182.1	773	142305	0	380	381	99 -	49	429	120382	120762
UN66985	Rsa1.0_00689.1	324	68305	1.00E-122	294	316	93 +	8	322	28109	28411
UN66986	Rsa1.0_00583.1	749	74309	0	426	427	99 +	3	429	62938	63364
UN66987	Rsa1.0_02604.1	758	29638	0	719	768	93 -	5	744	27705	28472
UN66988	Rsa1.0_00277.1	661	100132	0	466	467	99 -	195	661	35695	36161
UN66989	Rsa1.0_02286.1	785	32993	0	434	456	95 -	325	768	24548	25003
UN66990	Rsa1.0_00067.1	800	415055	0	535	563	95 +	3	565	360481	361034
UN66991	Rsa1.0_00191.1	647	316976	0	583	584	99 +	3	586	193030	193613
UN66992	Rsa1.0_00119.1	746	467509	0	466	504	92 -	2	487	219233	219736
UN66993	Rsa1.0_01078.1	750	316910	1.00E-83	164	166	98 -	490	655	127092	127257
UN66994	Rsa1.0_03298.1	760	23956	1.00E-116	239	244	97 +	521	760	14942	15185
UN66995	Rsa1.0_00359.1	706	91256	0	464	474	97 +	233	706	8756	9229
UN66996	Rsa1.0_00201.1	203	232851	6.00E-67	185	202	91 -	2	203	222533	222719
UN66997	Rsa1.0_00886.1	782	167350	0	544	577	94 -	215	779	42455	43031
UN66998	Rsa1.0_35321.1	598	640	1.00E-115	223	227	98 -	1	227	281	507
UN66999	Rsa1.0_00099.1	821	159619	0	807	834	96 +	2	818	44479	45312
UN67000	Rsa1.0_02092.1	490	35135	1.00E-145	293	301	97 -	194	490	30410	30708

UN67001	Rsa1.0_50581.1	723	449	0	357	363	98 -	153	515	87	449
UN67002	Rsa1.0_00204.1	281	109056	1.00E-154	278	279	99 -	3	281	81631	81909
UN67003	Rsa1.0_00531.1	838	77387	3.00E-53	110	111	99 +	4	114	38029	38139
UN67004	Rsa1.0_03323.1	744	23751	1.00E-115	244	255	95 -	1	255	12306	12560
UN67005	Rsa1.0_14791.1	747	3064	0	528	539	97 +	3	539	196	734
UN67006	Rsa1.0_00086.1	764	439854	2.00E-97	184	185	99 -	165	349	325954	326138
UN67007	Rsa1.0_01605.1	797	42442	0	387	387	100 -	3	389	8318	8704
UN67008	Rsa1.0_00119.1	188	467509	2.00E-81	156	157	99 -	32	188	386560	386716
UN67009	Rsa1.0_04913.1	735	15464	3.00E-90	197	204	96 +	535	735	12290	12493
UN67010	Rsa1.0_01806.1	192	39021	5.00E-67	167	180	92 -	11	190	22984	23157
UN67011	Rsa1.0_00528.1	769	164755	0	708	766	92 +	1	761	131669	132413
UN67012	Rsa1.0_43557.1	270	516	1.00E-113	246	258	95 +	2	259	169	425
UN67013	Rsa1.0_03249.1	768	146254	1.00E-171	310	312	99 -	292	603	7404	7715
UN67014	#	#	#	#	#	#	#	#	#	#	#
UN67015	Rsa1.0_00096.1	718	198773	0	348	358	97 +	3	360	155828	156175
UN67016	Rsa1.0_01164.1	686	51934	1.00E-118	244	252	96 +	22	272	41741	41992
UN67017	Rsa1.0_03048.1	555	25777	0	489	513	95 -	46	555	151	663
UN67018	Rsa1.0_00156.1	729	118383	1.00E-143	339	367	92 +	175	536	56991	57345
UN67019	Rsa1.0_03645.1	758	21599	0	355	364	97 -	3	366	18186	18549
UN67020	Rsa1.0_00360.1	516	91190	2.00E-84	196	206	95 -	12	210	53763	53967
UN67021	Rsa1.0_01498.1	613	44558	1.00E-176	349	361	96 -	253	613	35818	36178
UN67022	Rsa1.0_00228.1	712	105511	1.00E-166	313	317	98 -	393	708	47463	47779
UN67023	Rsa1.0_00471.1	687	81897	0	685	689	99 +	2	687	22648	23336
UN67024	Rsa1.0_00067.1	676	415055	1.00E-157	377	407	92 -	265	667	252739	253145
UN67025	Rsa1.0_00020.1	795	283099	5.00E-92	188	192	97 -	516	707	153259	153449
UN67026	Rsa1.0_00278.1	627	231896	2.00E-54	171	189	90 +	268	454	35663	35851
UN67027	Rsa1.0_02146.1	663	34625	1.00E-135	329	356	92 +	233	567	10792	11147
UN67028	Rsa1.0_01220.1	617	161775	1.00E-107	250	266	93 -	2	261	128563	128828
UN67029	Rsa1.0_03832.1	289	20577	1.00E-134	281	290	96 +	3	289	1400	1689
UN67030	Rsa1.0_07875.1	663	8374	1.00E-141	281	290	96 -	110	399	3657	3946
UN67031	Rsa1.0_00070.1	791	150321	0	582	586	99 +	137	720	94017	94602
UN67032	Rsa1.0_00035.1	461	176449	2.00E-74	151	154	98 +	161	314	155795	155948
UN67033	Rsa1.0_04355.1	446	146733	1.00E-159	343	360	95 -	3	361	5338	5696
UN67034	Rsa1.0_01937.1	634	37147	1.00E-131	301	323	93 -	3	325	32247	32557
UN67035	Rsa1.0_43494.1	800	516	1.00E-86	220	235	93 +	189	423	295	516
UN67036	Rsa1.0_01943.1	562	37042	2.00E-59	123	125	98 -	47	171	6309	6433
UN67037	Rsa1.0_01212.1	691	50622	0	648	681	95 -	2	682	45196	45876
UN67038	Rsa1.0_03476.1	236	22646	1.00E-49	100	100	100 +	137	236	12828	12927
UN67039	Rsa1.0_11565.1	664	5470	0	507	528	96 -	2	529	4344	4869

UN67040	Rsa1.0_00251.1	567	303968	1.00E-67	166	174	95 +	124	296	128373	128543
UN67041	Rsa1.0_00207.1	598	248736	4.00E-92	208	220	94 -	379	598	53257	53476
UN67042	Rsa1.0_00066.1	595	152418	1.00E-154	513	581	88 +	5	560	65066	65629
UN67043	Rsa1.0_02229.1	571	33672	2.00E-84	159	159	100 +	413	571	10502	10660
UN67044	Rsa1.0_04223.1	515	18407	3.00E-61	120	120	100 -	383	502	10912	11031
UN67045	Rsa1.0_03981.1	788	19724	0	421	440	95 -	323	758	15025	15464
UN67046	Rsa1.0_06078.1	410	11794	0	404	406	99 -	3	407	2257	2662
UN67047	Rsa1.0_02855.1	507	27271	1.00E-109	207	208	99 +	301	507	11051	11258
UN67048	Rsa1.0_02299.1	535	32857	5.00E-54	178	203	87 +	56	255	21319	21509
UN67049	Rsa1.0_00271.1	648	101125	1.00E-175	344	355	96 +	2	356	88229	88583
UN67050	Rsa1.0_04622.1	553	16618	1.00E-115	274	296	92 +	167	461	12446	12729
UN67051	Rsa1.0_01941.1	789	37069	1.00E-104	235	244	96 -	488	728	32329	32571
UN67052	Rsa1.0_00194.1	733	110851	1.00E-171	313	316	99 +	1	316	53081	53396
UN67053	Rsa1.0_02347.1	744	32332	1.00E-132	330	359	91 -	12	355	25631	25988
UN67054	Rsa1.0_03566.1	646	22050	0	642	645	99 +	2	646	7387	8030
UN67055	Rsa1.0_04422.1	703	17423	0	539	568	94 -	25	589	6262	6827
UN67056	Rsa1.0_00522.1	759	78103	0	463	469	98 +	3	470	40997	41465
UN67057	Rsa1.0_00001.1	622	363028	0	464	464	100 -	159	622	95579	96042
UN67058	Rsa1.0_00816.1	594	403350	1.00E-103	193	194	99 +	4	197	1254	1447
UN67059	Rsa1.0_02593.1	451	29744	7.00E-59	122	124	98 -	125	248	1807	1930
UN67060	Rsa1.0_02253.1	503	33356	0	425	442	96 -	19	457	11611	12052
UN67061	Rsa1.0_00491.1	309	80219	1.00E-117	285	300	95 +	15	305	75503	75802
UN67062	Rsa1.0_00190.1	597	318240	2.00E-90	254	282	90 -	324	587	195566	195846
UN67063	Rsa1.0_01697.1	679	40837	0	611	638	95 +	52	679	16641	17272
UN67064	Rsa1.0_00581.1	672	163575	1.00E-170	306	307	99 +	3	309	32718	33024
UN67065	Rsa1.0_01176.1	630	51638	0	603	630	95 -	3	630	27914	28534
UN67066	Rsa1.0_01396.1	529	151624	1.00E-148	377	408	92 -	3	401	132872	133266
UN67067	Rsa1.0_00007.1	782	239325	1.00E-115	233	239	97 +	494	731	58088	58326
UN67068	Rsa1.0_35380.1	524	640	1.00E-151	282	285	98 -	243	524	356	640
UN67069	Rsa1.0_10113.1	609	5992	0	517	546	94 +	67	609	1930	2472
UN67070	Rsa1.0_02812.1	353	27660	6.00E-65	148	154	96 -	99	251	15537	15690
UN67071	Rsa1.0_00041.1	758	186197	1.00E-177	317	318	99 +	3	320	31278	31595
UN67072	Rsa1.0_00008.1	628	358124	0	361	366	98 -	264	628	3878	4243
UN67073	Rsa1.0_00800.1	456	63868	0	406	409	99 +	3	408	3993	4401
UN67074	Rsa1.0_08066.1	446	7964	4.00E-51	118	123	95 +	25	147	7558	7680
UN67075	Rsa1.0_00017.1	487	752458	0	429	438	97 -	50	487	472876	473312
UN67076	Rsa1.0_00190.1	623	318240	0	358	359	99 -	264	622	91443	91801
UN67077	Rsa1.0_00341.1	684	249309	1.00E-139	325	351	92 -	124	474	208697	209038
UN67078	Rsa1.0_01170.1	571	161131	1.00E-161	315	324	97 -	163	486	10604	10927

UN67079	Rsa1.0.00057.1	640	160473	0	576	576	100 -	3	578	101205	101780
UN67080	Rsa1.0.63786.1	741	360	1.00E-177	335	342	97 -	2	343	2	343
UN67081	Rsa1.0.00135.1	752	178077	0	740	753	98 +	1	751	32065	32817
UN67082	Rsa1.0.10294.1	785	5901	0	412	417	98 -	3	416	963	1379
UN67083	Rsa1.0.00523.1	722	178770	0	699	716	97 -	7	722	30921	31636
UN67084	Rsa1.0.00064.1	261	240927	5.00E-77	178	186	95 +	38	221	167936	168121
UN67085	Rsa1.0.00108.1	790	478491	2.00E-69	134	134	100 -	296	429	121036	121169
UN67086	Rsa1.0.02664.1	680	28917	6.00E-82	164	167	98 +	281	447	5414	5580
UN67087	Rsa1.0.03544.1	554	22182	1.00E-122	364	411	88 -	2	412	3965	4375
UN67088	Rsa1.0.03090.1	752	25464	0	552	561	98 -	186	745	2314	2874
UN67089	Rsa1.0.01558.1	758	43287	0	383	399	95 -	355	748	39242	39637
UN67090	Rsa1.0.03446.1	698	22876	1.00E-117	232	238	97 -	250	487	13141	13378
UN67091	Rsa1.0.00073.1	448	240924	0	441	447	98 -	2	448	111433	111879
UN67092	Rsa1.0.00140.1	621	121541	0	595	621	95 +	2	621	91408	92022
UN67093	Rsa1.0.37136.1	636	607	0	464	465	99 -	172	636	143	607
UN67094	Rsa1.0.00030.1	550	250988	0	541	545	99 +	5	549	32189	32731
UN67095	Rsa1.0.00001.1	648	363028	2.33E-156	272	274	99 +	376	648	281241	281514
UN67096	Rsa1.0.12609.1	577	5175	5.00E-85	175	180	97 +	39	218	3821	4000
UN67097	Rsa1.0.00129.1	652	126831	0	618	645	95 +	9	652	112850	113487
UN67098	Rsa1.0.04927.1	763	15422	0	749	752	99 -	1	750	2438	3188
UN67099	Rsa1.0.03249.1	767	146254	0	456	476	95 -	3	473	8819	9294
UN67100	Rsa1.0.00803.1	686	144228	1.00E-148	281	286	98 +	143	428	12208	12493
UN67101	Rsa1.0.07482.1	387	9278	1.00E-87	198	204	97 +	123	322	81	284
UN67102	Rsa1.0.02190.1	405	34084	0	398	412	96 -	1	404	28763	29174
UN67103	Rsa1.0.01422.1	798	46172	1.00E-131	297	313	94 +	407	717	13653	13964
UN67104	Rsa1.0.13617.1	333	4630	3.00E-17	56	58	96 -	200	256	4355	4412
UN67105	Rsa1.0.00426.1	733	85668	0	417	435	95 -	247	681	31242	31676
UN67106	Rsa1.0.01317.1	730	48287	2.00E-76	253	284	89 +	52	326	34837	35118
UN67107	Rsa1.0.14514.1	704	3315	0	341	343	99 -	66	408	1994	2336
UN67108	Rsa1.0.36744.1	662	614	0	474	480	98 +	173	652	94	572
UN67109	Rsa1.0.25125.1	799	950	0	752	801	93 -	15	799	150	950
UN67110	Rsa1.0.05015.1	566	15125	3.00E-74	226	252	89 -	3	247	6577	6821
UN67111	Rsa1.0.01009.1	751	56922	0	742	756	98 -	1	751	12110	12865
UN67112	Rsa1.0.03452.1	711	22817	0	489	501	97 +	217	711	2147	2647
UN67113	Rsa1.0.04205.1	553	138772	1.00E-104	196	197	99 +	99	295	123685	123881
UN67114	Rsa1.0.00335.1	634	94371	0	617	636	97 -	1	634	48392	49026
UN67115	Rsa1.0.01112.1	501	310601	1.00E-155	286	288	99 -	216	501	7178	7465
UN67116	Rsa1.0.31820.1	579	717	0	410	414	99 +	64	477	304	717
UN67117	Rsa1.0.06149.1	689	11615	0	411	415	99 +	58	469	5349	5763

UN67118	Rsa1.0_00101.1	477	267193	0	439	467	94 +	10	475	106130	106585
UN67119	Rsa1.0_03298.1	781	23956	0	519	546	95 +	250	781	14942	15484
UN67120	Rsa1.0_02935.1	370	26621	2.00E-18	63	68	92 +	32	99	12072	12139
UN67121	Rsa1.0_02252.1	763	33375	0	537	554	96 -	214	760	27964	28515
UN67122	Rsa1.0_00978.1	742	57739	0	635	675	94 +	78	742	1551	2221
UN67123	Rsa1.0_01061.1	577	55349	0	408	415	98 +	165	577	45651	46065
UN67124	Rsa1.0_12609.1	643	5175	1.00E-110	222	228	97 +	1	225	3773	4000
UN67125	Rsa1.0_00139.1	626	357786	1.00E-178	359	371	96 +	36	406	558	925
UN67126	Rsa1.0_08434.1	262	7362	1.00E-59	152	161	94 +	3	162	5953	6112
UN67127	Rsa1.0_01209.1	567	50668	1.00E-141	273	279	97 +	3	281	48165	48443
UN67128	Rsa1.0_00416.1	691	86772	0	638	676	94 -	3	669	57669	58339
UN67129	Rsa1.0_00116.1	554	365886	1.00E-109	265	284	93 +	272	554	33998	34275
UN67130	Rsa1.0_08979.1	278	6739	1.00E-126	263	275	95 -	2	276	4672	4940
UN67131	Rsa1.0_01363.1	191	47195	4.00E-52	110	112	98 +	3	114	40831	40942
UN67132	Rsa1.0_01214.1	695	50599	0	361	367	98 +	329	692	46274	46639
UN67133	Rsa1.0_02535.1	608	30382	0	574	608	94 -	1	608	11279	11883
UN67134	Rsa1.0_00067.1	627	415055	0	611	625	97 -	3	627	19720	20337
UN67135	Rsa1.0_18610.1	661	1565	1.00E-104	229	239	95 -	247	482	1220	1457
UN67136	Rsa1.0_05506.1	696	13495	3.00E-62	125	126	99 +	275	400	3751	3876
UN67137	Rsa1.0_00237.1	704	235974	1.00E-160	312	319	97 -	387	704	217846	218164
UN67138	Rsa1.0_53363.1	553	427	1.00E-138	275	282	97 +	133	414	55	335
UN67139	Rsa1.0_04104.1	458	19043	6.00E-84	164	166	98 -	237	402	18846	19011
UN67140	Rsa1.0_00533.1	638	77375	0	452	470	96 -	169	638	54658	55127
UN67141	Rsa1.0_00083.1	717	442773	0	547	548	99 -	2	549	437134	437681
UN67142	Rsa1.0_00203.1	608	109129	1.00E-180	322	323	99 +	286	608	39000	39322
UN67143	Rsa1.0_00027.1	612	283362	3.00E-43	90	90	100 -	101	190	49174	49263
UN67144	Rsa1.0_10835.1	428	5707	1.00E-122	222	222	100 +	207	428	3881	4102
UN67145	Rsa1.0_00490.1	618	186713	7.00E-60	235	267	88 -	347	611	79481	79735
UN67146	Rsa1.0_01085.1	467	54539	0	326	326	100 +	142	467	8337	8662
UN67147	Rsa1.0_05821.1	710	12531	1.00E-169	308	310	99 -	299	608	9985	10294
UN67148	Rsa1.0_03781.1	582	20891	1.00E-130	301	318	94 -	259	571	5246	5562
UN67149	Rsa1.0_00991.1	723	143101	1.00E-120	285	301	94 +	427	723	34646	34943
UN67150	Rsa1.0_21969.1	204	1159	1.00E-55	110	110	100 -	7	116	393	502
UN67151	Rsa1.0_07771.1	776	8603	0	761	777	97 -	2	776	3628	4404
UN67152	Rsa1.0_01303.1	617	48853	1.00E-120	276	295	93 +	36	330	14117	14411
UN67153	Rsa1.0_00556.1	681	207212	1.00E-149	283	288	98 +	292	579	153967	154254
UN67154	Rsa1.0_02103.1	519	35006	0	501	521	96 -	1	519	13492	14008
UN67155	Rsa1.0_00568.1	769	75219	0	541	560	96 -	215	767	2099	2658
UN67156	Rsa1.0_06213.1	505	11478	1.00E-122	278	294	94 -	3	296	1709	2000

UN67157	Rsa1.0.00870.1	795	61606	0	563	590	95 -	217	795	33507	34095
UN67158	Rsa1.0.00427.1	639	189678	1.00E-171	370	392	94 -	65	450	24904	25295
UN67159	Rsa1.0.03233.1	733	24446	0	703	733	95 -	1	733	11086	11806
UN67160	Rsa1.0.00011.1	849	225044	1.00E-171	323	328	98 -	2	327	107194	107521
UN67161	#	#	#	#	#	#	#	#	#	#	#
UN67162	Rsa1.0.00083.1	783	442773	0	520	538	96 -	254	783	402072	402607
UN67163	Rsa1.0.00524.1	210	169613	1.00E-100	207	212	97 -	1	210	145143	145353
UN67164	Rsa1.0.00421.1	656	86365	7.00E-63	205	230	89 +	247	468	66305	66534
UN67165	Rsa1.0.00131.1	715	432233	0	489	498	98 +	2	499	259101	259598
UN67166	Rsa1.0.02707.1	669	28520	0	554	583	95 +	8	590	13829	14405
UN67167	Rsa1.0.00078.1	726	175053	1.00E-107	237	249	95 -	3	251	25387	25629
UN67168	Rsa1.0.00002.1	749	601661	0	453	462	98 +	53	514	230785	231246
UN67169	Rsa1.0.00585.1	528	74164	0	460	474	97 +	55	528	36803	37276
UN67170	Rsa1.0.00105.1	782	134138	0	611	639	95 -	3	622	123747	124385
UN67171	Rsa1.0.00410.1	740	86957	0	662	715	92 +	2	690	20799	21509
UN67172	Rsa1.0.00132.1	146	124299	2.00E-50	132	141	93 +	2	142	26264	26398
UN67173	Rsa1.0.00040.1	817	324196	0	768	799	96 +	3	798	194785	195583
UN67174	Rsa1.0.37994.1	493	593	0	419	422	99 +	72	493	1	422
UN67175	Rsa1.0.00627.1	701	71566	0	690	692	99 +	2	693	13359	14050
UN67176	Rsa1.0.16090.1	711	2289	1.00E-168	321	326	98 -	389	711	1217	1542
UN67177	Rsa1.0.01050.1	685	55651	3.00E-93	186	190	97 +	106	295	26568	26757
UN67178	Rsa1.0.03132.1	637	25142	1.00E-145	311	327	95 -	34	357	17814	18140
UN67179	Rsa1.0.00752.1	576	65756	0	503	551	91 +	38	576	39846	40379
UN67180	Rsa1.0.01549.1	739	43543	0	737	739	99 +	1	739	35282	36020
UN67181	Rsa1.0.04444.1	591	17320	1.00E-101	253	272	93 -	320	590	8863	9133
UN67182	Rsa1.0.03681.1	194	21405	4.00E-89	187	194	96 +	1	194	905	1098
UN67183	Rsa1.0.01451.1	805	45459	0	586	596	98 -	1	596	14190	14784
UN67184	Rsa1.0.00711.1	177	67223	8.00E-32	151	177	85 -	1	177	15213	15382
UN67185	Rsa1.0.01659.1	807	164577	1.00E-109	210	213	98 -	343	555	143025	143237
UN67186	Rsa1.0.00716.1	163	67078	4.00E-33	123	140	87 +	1	135	33294	33433
UN67187	Rsa1.0.00494.1	635	79967	0	627	642	97 -	1	635	2552	3193
UN67188	Rsa1.0.02103.1	381	35006	1.00E-138	352	383	91 +	1	381	13490	13864
UN67189	Rsa1.0.00892.1	878	60703	0	713	763	93 +	3	765	19787	20526
UN67190	Rsa1.0.01402.1	474	46509	0	375	388	96 -	69	456	6199	6586
UN67191	Rsa1.0.02404.1	278	31702	1.00E-133	269	278	96 -	4	278	22845	23122
UN67192	Rsa1.0.00378.1	257	89892	3.00E-94	242	262	92 -	1	257	25504	25757
UN67193	Rsa1.0.01359.1	716	47271	3.00E-65	127	127	100 -	455	581	30670	30796
UN67194	Rsa1.0.01201.1	145	50856	5.00E-48	133	145	91 -	1	145	6491	6635
UN67195	Rsa1.0.01276.1	846	49384	0	715	756	94 -	4	757	24736	25490

UN67196	Rsa1.0_04296.1	470	18030	1.00E-137	291	303	96 -	1	303	8022	8322
UN67197	Rsa1.0_00807.1	562	63607	0	375	377	99 +	1	377	11794	12170
UN67198	Rsa1.0_00300.1	692	97747	0	687	694	98 -	1	692	2491	3184
UN67199	Rsa1.0_00753.1	749	65705	1.00E-160	289	290	99 +	1	290	581	870
UN67200	Rsa1.0_03843.1	599	20496	0	588	599	98 -	3	599	2080	2678
UN67201	Rsa1.0_01762.1	610	39682	1.00E-168	317	322	98 +	1	320	15255	15576
UN67202	Rsa1.0_15775.1	725	2429	1.00E-154	398	436	91 +	2	433	317	739
UN67203	Rsa1.0_00452.1	799	83201	1.00E-138	285	295	96 +	2	294	938	1230
UN67204	Rsa1.0_00040.1	662	324196	1.00E-147	268	269	99 -	1	269	315220	315488
UN67205	Rsa1.0_04193.1	400	18571	1.00E-137	260	263	98 +	2	262	6619	6881
UN67206	Rsa1.0_00875.1	859	61371	0	447	449	99 +	399	847	58714	59162
UN67207	Rsa1.0_00198.1	572	222963	1.00E-145	331	350	94 -	10	356	143087	143432
UN67208	Rsa1.0_00800.1	668	63868	2.00E-66	168	177	94 -	478	651	20399	20575
UN67209	Rsa1.0_00773.1	636	64839	1.00E-156	295	300	98 -	337	636	25345	25644
UN67210	Rsa1.0_04876.1	337	15631	1.00E-119	272	284	95 +	7	285	4224	4506
UN67211	Rsa1.0_02916.1	244	26809	5.00E-86	224	244	91 -	1	244	5725	5961
UN67212	Rsa1.0_02389.1	364	146428	1.00E-154	320	335	95 +	1	335	132366	132700
UN67213	Rsa1.0_00015.1	661	561803	0	633	663	95 -	1	661	443793	444452
UN67214	Rsa1.0_06817.1	558	10307	0	555	582	95 -	1	558	5891	6472
UN67215	Rsa1.0_08999.1	741	6720	0	541	546	99 +	1	546	3538	4083
UN67216	Rsa1.0_00641.1	140	208241	6.00E-69	138	140	98 -	1	140	205279	205418
UN67217	Rsa1.0_00238.1	684	193193	0	463	469	98 +	1	469	3548	4016
UN67218	Rsa1.0_00685.1	718	68515	1.00E-52	267	318	83 -	293	608	5700	6002
UN67219	Rsa1.0_00511.1	675	78616	0	495	506	97 -	3	508	9516	10016
UN67220	Rsa1.0_00198.1	505	222963	1.00E-145	300	312	96 +	2	312	17980	18285
UN67221	Rsa1.0_24596.1	145	978	3.00E-40	128	140	91 +	1	140	841	978
UN67222	Rsa1.0_53975.1	657	422	1.00E-105	286	312	91 -	1	306	1	307
UN67223	Rsa1.0_00286.1	514	98709	1.00E-116	246	258	95 +	119	376	54927	55177
UN67224	Rsa1.0_02017.1	471	35999	1.00E-113	256	270	94 -	2	262	29901	30170
UN67225	Rsa1.0_00178.1	560	114861	4.00E-95	277	310	89 +	3	300	84662	84969
UN67226	Rsa1.0_02955.1	427	26484	2.00E-47	231	276	83 -	2	255	21589	21860
UN67227	Rsa1.0_02126.1	431	34765	1.00E-164	396	433	91 -	1	431	1899	2316
UN67228	Rsa1.0_03148.1	640	24989	0	384	385	99 -	1	384	9948	10332
UN67229	Rsa1.0_01868.1	612	150904	1.00E-142	305	323	94 -	1	313	4359	4681
UN67230	Rsa1.0_04388.1	368	17614	1.00E-106	261	280	93 -	5	284	12205	12482
UN67231	Rsa1.0_01294.1	376	49090	0	359	371	96 -	1	371	6547	6917
UN67232	Rsa1.0_48129.1	363	470	1.00E-150	287	293	97 +	1	293	178	470
UN67233	Rsa1.0_06716.1	755	10482	0	435	440	98 +	1	439	1389	1828
UN67234	Rsa1.0_00083.1	759	442773	0	730	763	95 +	2	759	141368	142127

UN67235	Rsa1.0.00062.1	774	299291	0	361	363	99 +	1	363	22915	23277
UN67236	Rsa1.0.02376.1	228	32011	5.00E-80	208	227	91 -	1	227	14377	14603
UN67237	Rsa1.0.02588.1	167	29840	1.00E-58	155	167	92 +	1	167	14345	14510
UN67238	Rsa1.0.00301.1	380	365315	0	370	380	97 +	2	380	182680	183059
UN67239	Rsa1.0.01396.1	689	151624	0	412	429	96 -	1	427	141509	141936
UN67240	Rsa1.0.00050.1	446	237174	0	427	460	92 -	1	446	7718	8170
UN67241	Rsa1.0.00222.1	624	172263	1.00E-89	244	266	91 +	20	275	57578	57843
UN67242	Rsa1.0.00123.1	245	325650	1.00E-100	228	241	94 -	5	245	112994	113233
UN67243	Rsa1.0.00251.1	682	303968	0	465	489	95 -	1	487	61888	62371
UN67244	Rsa1.0.00019.1	174	301669	1.00E-42	109	116	93 +	40	155	112930	113045
UN67245	Rsa1.0.01758.1	622	39747	0	412	430	95 -	1	426	6469	6892
UN67246	Rsa1.0.02335.1	710	32400	1.00E-131	251	254	98 -	1	253	1	254
UN67247	Rsa1.0.01094.1	522	167285	0	347	350	99 -	1	348	32167	32516
UN67248	Rsa1.0.00888.1	707	60978	0	688	710	96 -	1	707	53617	54324
UN67249	Rsa1.0.03344.1	536	23593	0	523	544	96 +	1	536	16475	17016
UN67250	Rsa1.0.03277.1	739	24138	7.00E-85	166	168	98 -	439	606	14540	14707
UN67251	Rsa1.0.00389.1	367	88795	0	363	364	99 -	1	364	52643	53006
UN67252	Rsa1.0.65121.1	344	352	6.00E-99	195	199	97 +	128	326	154	352
UN67253	Rsa1.0.00201.1	168	232851	7.00E-69	159	168	94 +	1	168	208913	209080
UN67254	Rsa1.0.00674.1	422	193753	0	419	424	98 +	2	422	189883	190306
UN67255	Rsa1.0.03131.1	277	25142	1.00E-110	258	277	93 +	1	277	11451	11727
UN67256	Rsa1.0.00111.1	721	390088	0	530	568	93 -	1	553	60859	61422
UN67257	Rsa1.0.09457.1	558	6353	0	515	528	97 +	31	558	2850	3377
UN67258	Rsa1.0.04369.1	594	17703	0	533	572	93 -	1	558	3934	4488
UN67259	Rsa1.0.04979.1	461	15257	3.00E-92	182	184	98 -	116	298	9966	10149
UN67260	Rsa1.0.11704.1	811	5437	1.00E-150	343	361	95 +	43	395	4913	5270
UN67261	Rsa1.0.01944.1	701	37037	0	410	426	96 +	135	551	30966	31391
UN67262	Rsa1.0.00491.1	167	80219	6.00E-60	162	175	92 -	2	167	76344	76518
UN67263	Rsa1.0.02556.1	493	30133	1.00E-149	448	502	89 -	1	493	4383	4866
UN67264	Rsa1.0.02157.1	115	149652	2.00E-49	111	115	96 -	1	115	11836	11950
UN67265	Rsa1.0.02838.1	758	27438	1.00E-172	316	319	99 +	22	340	7647	7965
UN67266	Rsa1.0.00093.1	860	214962	0	584	587	99 +	1	586	39956	40542
UN67267	Rsa1.0.02286.1	329	32993	1.00E-173	308	308	100 +	1	308	6102	6409
UN67268	Rsa1.0.20130.1	482	1337	2.00E-47	134	145	92 -	334	478	332	475
UN67269	Rsa1.0.06701.1	489	10514	0	467	490	95 -	1	489	7206	7689
UN67270	Rsa1.0.07256.1	102	9655	3.00E-39	97	102	95 -	1	102	5991	6092
UN67271	Rsa1.0.03781.1	497	20891	1.00E-105	302	328	92 -	1	320	4225	4545
UN67272	Rsa1.0.00100.1	613	249232	0	476	504	94 -	1	500	13427	13930
UN67273	Rsa1.0.01217.1	584	50554	0	480	501	95 +	84	584	44935	45435

UN67274	Rsa1.0.01806.1	498	39021	0	486	498	97 +	1	498	24193	24690
UN67275	Rsa1.0.09409.1	525	6390	0	517	523	98 +	3	525	2728	3249
UN67276	Rsa1.0.00302.1	814	97521	0	807	815	99 -	1	814	6196	7010
UN67277	Rsa1.0.29038.1	254	794	1.00E-125	247	254	97 -	1	254	170	423
UN67278	Rsa1.0.05510.1	676	13470	1.00E-162	305	310	98 +	108	417	1981	2290
UN67279	Rsa1.0.07382.1	445	9487	0	419	426	98 +	12	437	7323	7748
UN67280	Rsa1.0.00712.1	629	67217	0	624	628	99 -	3	629	47394	48021
UN67281	#	#	#	#	#	#	#	#	#	#	#
UN67282	Rsa1.0.00033.1	120	515811	1.00E-35	109	120	90 +	1	120	365442	365561
UN67283	Rsa1.0.33723.1	618	672	1.00E-128	239	241	99 -	1	241	1	241
UN67284	Rsa1.0.02177.1	757	34262	0	449	449	100 -	309	757	4093	4541
UN67285	Rsa1.0.05569.1	224	13311	3.00E-90	206	216	95 -	9	224	3767	3980
UN67286	Rsa1.0.05070.1	312	14933	1.00E-131	296	313	94 -	1	312	1856	2167
UN67287	Rsa1.0.00412.1	455	86935	2.00E-93	192	198	96 -	204	401	71396	71593
UN67288	Rsa1.0.06031.1	564	11889	0	362	364	99 -	2	365	3142	3505
UN67289	Rsa1.0.00571.1	148	329018	1.00E-36	87	90	96 -	59	148	144048	144137
UN67290	Rsa1.0.05943.1	477	12158	0	371	374	99 +	45	418	2740	3113
UN67291	Rsa1.0.00246.1	585	103541	0	507	519	97 -	12	530	78385	78903
UN67292	Rsa1.0.00003.1	394	340054	0	393	394	99 -	1	394	235417	235810
UN67293	Rsa1.0.00055.1	462	520193	0	446	462	96 -	1	462	164232	164693
UN67294	Rsa1.0.01696.1	778	301850	0	464	466	99 -	2	467	286367	286832
UN67295	Rsa1.0.00265.1	699	220635	1.00E-167	331	342	96 -	1	341	139882	140214
UN67296	Rsa1.0.00048.1	764	167185	1.00E-165	407	443	91 +	1	423	154778	155219
UN67297	Rsa1.0.02459.1	681	31185	2.00E-29	192	227	84 +	458	669	22313	22539
UN67298	Rsa1.0.04576.1	564	16783	1.00E-113	327	362	90 -	207	564	5679	6038
UN67299	Rsa1.0.01606.1	430	42432	0	362	362	100 +	3	364	8250	8611
UN67300	Rsa1.0.00264.1	769	101674	1.00E-165	295	295	100 -	3	297	71471	71765
UN67301	Rsa1.0.01487.1	798	44784	0	602	603	99 -	4	606	13754	14356
UN67302	Rsa1.0.01409.1	780	151595	1.00E-129	241	243	99 +	373	615	143167	143409
UN67303	Rsa1.0.00632.1	792	183777	1.00E-156	368	403	91 +	1	379	150808	151203
UN67304	Rsa1.0.00806.1	817	63674	5.00E-83	160	161	99 +	308	468	25849	26009
UN67305	Rsa1.0.00156.1	536	118383	0	532	536	99 +	1	536	620	1155
UN67306	Rsa1.0.00032.1	722	306326	1.00E-134	336	360	93 -	5	358	204411	204762
UN67307	Rsa1.0.01606.1	673	42432	0	453	457	99 +	218	673	40215	40671
UN67308	Rsa1.0.05611.1	552	13193	0	540	549	98 +	2	548	2580	3128
UN67309	Rsa1.0.00437.1	199	84879	2.00E-41	92	94	97 +	103	196	13607	13700
UN67310	Rsa1.0.00492.1	607	80178	1.00E-82	180	188	95 -	183	370	7978	8165
UN67311	#	#	#	#	#	#	#	#	#	#	#
UN67312	Rsa1.0.02123.1	685	149053	1.00E-112	220	225	97 -	241	465	31744	31968

UN67313	Rsa1.0.00931.1	219	59210	2.00E-45	117	125	93 +	1	125	8644	8768
UN67314	Rsa1.0.01934.1	210	37162	8.00E-97	191	195	97 +	1	195	1867	2061
UN67315	Rsa1.0.01344.1	813	142535	0	419	427	98 -	2	427	129448	129873
UN67316	Rsa1.0.00261.1	667	151157	0	516	518	99 +	1	518	73053	73570
UN67317	Rsa1.0.07877.1	297	8373	5.00E-28	179	217	82 -	91	297	5656	5868
UN67318	Rsa1.0.01705.1	161	40710	1.00E-48	149	162	91 +	1	161	10496	10655
UN67319	Rsa1.0.00010.1	554	294827	0	532	558	95 -	2	554	116898	117453
UN67320	Rsa1.0.08938.1	647	6769	0	502	512	98 +	136	647	3632	4143
UN67321	Rsa1.0.28530.1	684	812	1.00E-166	320	328	97 -	255	582	199	526
UN67322	Rsa1.0.03960.1	684	19864	1.00E-70	154	160	96 -	232	391	8938	9097
UN67323	Rsa1.0.18513.1	507	1585	0	445	484	91 +	24	507	767	1226
UN67324	Rsa1.0.01483.1	602	44826	0	555	605	91 -	2	588	23699	24297
UN67325	Rsa1.0.09002.1	658	137863	0	615	632	97 -	1	632	135555	136186
UN67326	Rsa1.0.47400.1	395	477	2.33E-156	296	307	96 +	89	395	1	307
UN67327	Rsa1.0.00246.1	716	103541	1.00E-153	335	353	94 +	1	353	32642	32991
UN67328	Rsa1.0.05818.1	156	12544	3.00E-71	151	156	96 -	1	156	7950	8105
UN67329	Rsa1.0.03615.1	544	21766	0	540	545	99 -	1	544	17632	18176
UN67330	Rsa1.0.00130.1	602	125737	1.00E-158	297	302	98 +	62	363	38301	38602
UN67331	Rsa1.0.05741.1	134	12773	4.00E-42	124	135	91 +	1	134	3216	3350
UN67332	Rsa1.0.00556.1	843	207212	0	556	589	94 -	2	578	47334	47918
UN67333	Rsa1.0.00187.1	739	393093	6.00E-79	213	230	92 +	16	243	241359	241587
UN67334	Rsa1.0.00741.1	139	66117	1.00E-39	125	139	89 +	1	139	46384	46522
UN67335	Rsa1.0.00688.1	811	68396	0	690	714	96 -	98	811	41935	42644
UN67336	Rsa1.0.00019.1	125	301669	4.00E-39	104	110	94 -	12	121	233698	233806
UN67337	Rsa1.0.01753.1	545	39794	0	537	554	96 -	3	545	10907	11460
UN67338	Rsa1.0.09566.1	150	6285	1.00E-57	138	145	95 -	5	149	1433	1576
UN67339	Rsa1.0.00254.1	461	102600	1.00E-100	229	241	95 +	215	452	85305	85545
UN67340	Rsa1.0.02439.1	113	31379	5.00E-38	105	112	93 +	1	107	22768	22878
UN67341	Rsa1.0.00178.1	183	114861	2.00E-88	177	180	98 -	1	180	61686	61863
UN67342	Rsa1.0.01032.1	165	56189	6.00E-88	164	164	100 +	2	165	44865	45028
UN67343	Rsa1.0.02628.1	805	29369	0	771	821	93 +	4	805	28482	29294
UN67344	Rsa1.0.00131.1	269	432233	1.00E-129	257	265	96 +	1	265	406700	406964
UN67345	Rsa1.0.03851.1	773	20451	0	755	773	97 -	1	773	5815	6587
UN67346	Rsa1.0.00550.1	861	210790	0	433	445	97 +	1	443	177743	178187
UN67347	Rsa1.0.00039.1	363	296927	1.00E-148	338	363	93 -	1	363	131900	132254
UN67348	Rsa1.0.00837.1	800	62568	0	704	751	93 +	52	800	23081	23825
UN67349	Rsa1.0.00177.1	329	143394	1.00E-101	232	246	94 -	84	329	17709	17952
UN67350	Rsa1.0.03280.1	501	145083	0	485	502	96 +	2	501	97	595
UN67351	Rsa1.0.00248.1	706	163568	0	548	571	95 +	136	706	50251	50820

UN67352	Rsa1.0.00127.1	515	127446	0	474	494	95 +	25	515	3419	3912
UN67353	Rsa1.0.00515.1	148	78417	2.00E-59	131	136	96 +	1	136	59867	60002
UN67354	Rsa1.0.01758.1	590	39747	0	539	560	96 +	2	555	35053	35612
UN67355	Rsa1.0.01487.1	535	44784	0	525	537	97 +	1	535	14375	14911
UN67356	Rsa1.0.00167.1	576	116000	0	574	577	99 +	1	576	12133	12709
UN67357	Rsa1.0.00632.1	677	183777	0	504	519	97 +	1	510	44004	44522
UN67358	Rsa1.0.00642.1	115	201230	5.00E-41	94	97	96 +	19	115	62721	62817
UN67359	Rsa1.0.00665.1	821	69539	0	772	790	97 +	3	788	39852	40640
UN67360	Rsa1.0.00958.1	460	58243	0	444	459	96 +	5	460	5951	6405
UN67361	Rsa1.0.01154.1	732	52249	0	667	667	100 +	4	670	3332	3998
UN67362	Rsa1.0.00966.1	219	58136	2.00E-97	207	216	95 +	4	219	30800	31015
UN67363	Rsa1.0.05068.1	687	14940	0	663	694	95 +	1	687	4879	5568
UN67364	Rsa1.0.02794.1	813	27820	1.00E-125	295	312	94 -	75	380	18900	19208
UN67365	Rsa1.0.05838.1	765	12479	0	730	758	96 +	14	765	4224	4981
UN67366	Rsa1.0.11276.1	256	5560	1.00E-111	237	248	95 +	1	248	117	364
UN67367	Rsa1.0.04564.1	742	16837	1.00E-172	322	326	98 -	396	720	3753	4078
UN67368	Rsa1.0.00139.1	522	357786	8.00E-13	51	55	92 +	145	199	27973	28027
UN67369	Rsa1.0.00256.1	602	102426	1.00E-106	243	256	94 +	1	254	81199	81454
UN67370	Rsa1.0.03143.1	690	25024	0	528	558	94 -	142	690	12539	13090
UN67371	Rsa1.0.00108.1	112	478491	1.00E-23	97	111	87 -	2	112	77781	77885
UN67372	Rsa1.0.00751.1	558	65759	1.00E-117	223	226	98 +	306	531	12467	12692
UN67373	Rsa1.0.00013.1	731	292129	1.00E-135	265	272	97 +	3	274	120984	121255
UN67374	Rsa1.0.00706.1	345	291570	1.00E-148	322	341	94 +	1	341	278629	278969
UN67375	Rsa1.0.04107.1	690	19007	0	643	667	96 +	1	662	6919	7580
UN67376	Rsa1.0.00271.1	717	101125	1.00E-124	235	238	98 -	98	335	80400	80637
UN67377	Rsa1.0.00294.1	729	144860	0	372	380	97 +	252	630	68064	68443
UN67378	#	#	#	#	#	#	#	#	#	#	#
UN67379	Rsa1.0.00204.1	612	109056	0	585	610	95 +	1	609	82932	83537
UN67380	Rsa1.0.02931.1	541	26654	1.00E-104	207	211	98 -	223	430	5953	6163
UN67381	Rsa1.0.32735.1	722	695	1.00E-170	303	303	100 +	124	426	1	303
UN67382	Rsa1.0.00627.1	379	71566	8.00E-80	169	175	96 -	1	175	63662	63836
UN67383	Rsa1.0.02263.1	524	33238	0	416	428	97 -	4	431	19170	19590
UN67384	Rsa1.0.00020.1	512	283099	1.00E-133	340	367	92 +	10	376	138823	139173
UN67385	Rsa1.0.00134.1	642	390219	0	623	649	95 +	2	642	133674	134322
UN67386	Rsa1.0.00116.1	526	365886	0	509	533	95 -	1	526	144923	145453
UN67387	Rsa1.0.01534.1	282	43764	1.00E-132	271	282	96 -	1	282	1405	1686
UN67388	Rsa1.0.01857.1	547	38103	6.00E-97	238	262	90 -	3	264	8328	8570
UN67389	Rsa1.0.02688.1	192	28644	2.00E-35	166	196	84 -	3	188	27277	27472
UN67390	Rsa1.0.00789.1	629	64233	0	529	544	97 -	2	540	34406	34949

UN67391	Rsa1.0_54753.1	566	417	1.00E-175	396	420	94 +	119	538	1	417
UN67392	Rsa1.0_00810.1	652	63289	0	448	452	99 -	130	581	51506	51957
UN67393	Rsa1.0_00006.1	351	396176	1.00E-161	333	348	95 -	3	350	60820	61163
UN67394	Rsa1.0_05000.1	621	15178	1.00E-125	269	280	96 +	308	585	10847	11126
UN67395	Rsa1.0_06642.1	606	10616	0	386	400	96 -	207	606	5426	5824
UN67396	Rsa1.0_10673.1	354	5760	1.00E-113	222	227	97 -	128	354	5280	5506
UN67397	Rsa1.0_06111.1	421	11723	1.00E-102	251	270	92 +	2	263	9656	9923
UN67398	Rsa1.0_00348.1	529	92818	1.00E-112	253	268	94 +	38	303	81800	82067
UN67399	Rsa1.0_08272.1	239	7617	1.00E-128	234	235	99 -	1	235	5077	5311
UN67400	Rsa1.0_00048.1	693	167185	0	679	708	95 +	1	693	146192	146899
UN67401	Rsa1.0_02063.1	702	35484	0	701	702	99 -	1	702	29704	30405
UN67402	Rsa1.0_00196.1	429	109960	1.00E-163	374	398	93 +	1	396	18625	19020
UN67403	Rsa1.0_01798.1	658	173909	0	636	658	96 -	1	658	172162	172817
UN67404	Rsa1.0_01090.1	165	54385	2.00E-47	142	156	91 -	1	156	45605	45759
UN67405	Rsa1.0_01121.1	484	53407	0	464	486	95 -	3	484	8168	8649
UN67406	Rsa1.0_01634.1	121	41865	1.00E-48	113	118	95 +	1	118	25350	25467
UN67407	Rsa1.0_01651.1	711	41586	1.00E-160	286	286	100 +	1	286	28390	28675
UN67408	Rsa1.0_00227.1	201	105849	1.00E-61	181	199	90 +	1	197	102273	102465
UN67409	Rsa1.0_00013.1	457	292129	3.00E-46	173	193	89 -	38	226	73022	73211
UN67410	Rsa1.0_00968.1	683	58020	0	364	375	97 +	309	683	50504	50878
UN67411	Rsa1.0_00812.1	819	63233	1.00E-153	325	338	96 -	2	337	35328	35663
UN67412	Rsa1.0_01560.1	812	43256	0	661	663	99 -	1	663	24017	24679
UN67413	Rsa1.0_03873.1	543	20360	1.00E-102	232	245	94 -	1	240	9251	9494
UN67414	Rsa1.0_00562.1	617	75565	9.00E-87	187	195	95 +	100	294	52334	52528
UN67415	Rsa1.0_14434.1	646	3394	3.00E-65	130	131	99 +	413	543	1	131
UN67416	Rsa1.0_03735.1	623	21087	0	548	564	97 -	1	551	5153	5716
UN67417	Rsa1.0_00833.1	845	62621	0	817	843	96 +	3	842	41276	42117
UN67418	Rsa1.0_00123.1	668	325650	1.00E-152	382	414	92 +	3	412	59885	60285
UN67419	Rsa1.0_00151.1	464	119541	1.00E-119	280	296	94 +	11	304	46085	46376
UN67420	Rsa1.0_04572.1	567	16790	1.00E-111	327	368	88 +	1	368	10484	10831
UN67421	Rsa1.0_00215.1	428	201775	0	428	428	100 +	1	428	150739	151166
UN67422	Rsa1.0_01565.1	260	155447	1.00E-145	260	260	100 -	1	260	146121	146380
UN67423	Rsa1.0_04557.1	593	145048	1.00E-124	289	306	94 +	128	421	135419	135723
UN67424	Rsa1.0_00251.1	569	303968	4.00E-64	146	153	95 +	279	431	298231	298383
UN67425	Rsa1.0_00458.1	709	82717	0	708	712	99 -	1	709	79051	79762
UN67426	Rsa1.0_00028.1	156	293984	4.00E-64	149	156	95 -	1	156	277120	277274
UN67427	Rsa1.0_02508.1	365	30675	2.00E-83	265	302	87 +	84	365	1049	1342
UN67428	Rsa1.0_00066.1	375	152418	1.00E-120	337	378	89 +	1	375	15027	15383
UN67429	Rsa1.0_00111.1	103	390088	4.00E-35	93	99	93 +	1	99	76068	76166

UN67430	Rsa1.0.00324.1	313	218805	2.00E-73	196	211	92 +	3	208	143879	144085
UN67431	Rsa1.0.18185.1	327	1650	2.00E-83	223	245	91 -	81	325	1228	1472
UN67432	Rsa1.0.01704.1	445	40711	1.00E-106	231	243	95 +	1	243	5648	5890
UN67433	Rsa1.0.00041.1	460	186197	1.00E-124	234	237	98 +	42	278	168223	168459
UN67434	Rsa1.0.25440.1	316	936	1.00E-107	238	250	95 +	2	250	248	494
UN67435	Rsa1.0.03264.1	794	145959	0	790	794	99 +	1	794	129173	129965
UN67436	Rsa1.0.03046.1	743	25784	1.00E-158	286	287	99 -	1	287	15386	15672
UN67437	#	#	#	#	#	#	#	#	#	#	#
UN67438	Rsa1.0.03761.1	837	20982	0	427	431	99 +	409	837	10831	11261
UN67439	Rsa1.0.00693.1	318	161311	4.00E-81	159	161	98 +	156	316	60781	60941
UN67440	Rsa1.0.00251.1	609	303968	0	432	456	94 +	69	520	83782	84232
UN67441	#	#	#	#	#	#	#	#	#	#	#
UN67442	Rsa1.0.07450.1	515	9373	0	511	515	99 -	1	515	2348	2861
UN67443	Rsa1.0.00220.1	620	192936	1.00E-133	316	339	93 +	9	341	152921	153256
UN67444	Rsa1.0.64376.1	609	356	0	352	356	98 +	182	537	1	356
UN67445	Rsa1.0.02212.1	643	33840	1.00E-104	206	209	98 -	435	643	29437	29644
UN67446	Rsa1.0.01656.1	717	41494	0	415	429	96 +	18	446	6463	6886
UN67447	Rsa1.0.00439.1	145	142776	1.00E-57	137	145	94 -	1	145	23108	23252
UN67448	Rsa1.0.00789.1	674	64233	4.00E-52	152	169	89 +	3	171	27998	28157
UN67449	Rsa1.0.00056.1	854	332604	0	747	751	99 +	1	749	199775	200525
UN67450	Rsa1.0.73621.1	164	311	3.00E-31	87	93	93 +	72	164	75	167
UN67451	Rsa1.0.00301.1	342	365315	1.00E-171	333	340	97 +	1	339	320808	321146
UN67452	Rsa1.0.00890.1	588	323870	1.00E-176	319	321	99 -	6	326	162561	162881
UN67453	Rsa1.0.20936.1	772	1252	1.00E-24	95	107	88 -	311	417	921	1027
UN67454	Rsa1.0.01374.1	646	47047	0	398	413	96 +	23	430	30852	31264
UN67455	Rsa1.0.00235.1	755	154696	1.00E-101	303	342	88 -	1	321	94062	94398
UN67456	Rsa1.0.00418.1	468	215377	1.00E-132	255	260	98 -	1	260	45040	45295
UN67457	Rsa1.0.02253.1	542	33356	1.00E-128	256	264	96 -	1	264	25657	25920
UN67458	Rsa1.0.03392.1	301	23248	1.00E-138	270	277	97 +	1	277	1244	1520
UN67459	Rsa1.0.00017.1	398	752458	1.00E-151	306	318	96 -	1	318	41954	42271
UN67460	Rsa1.0.00399.1	164	242951	3.00E-71	158	164	96 -	1	163	240360	240523
UN67461	Rsa1.0.01983.1	837	36509	0	784	801	97 -	37	837	1059	1858
UN67462	Rsa1.0.02553.1	325	30190	1.00E-160	310	318	97 -	3	320	25557	25874
UN67463	Rsa1.0.00144.1	396	120708	1.00E-94	320	363	88 -	35	396	74697	75050
UN67464	Rsa1.0.00844.1	761	62403	0	705	760	92 -	2	761	7938	8694
UN67465	Rsa1.0.01920.1	396	158533	1.00E-167	378	403	93 -	1	396	128161	128555
UN67466	Rsa1.0.00642.1	787	201230	0	468	488	95 -	6	493	2588	3070
UN67467	Rsa1.0.16565.1	628	2110	0	450	465	96 +	164	628	441	905
UN67468	Rsa1.0.01586.1	617	42804	3.00E-99	202	208	97 +	253	460	1769	1976

UN67469	Rsa1.0.00196.1	776	109960	0	748	778	96 -	1	776	11224	12001
UN67470	Rsa1.0.12445.1	433	5224	1.00E-178	334	340	98 -	94	433	3521	3860
UN67471	Rsa1.0.01124.1	776	53295	0	385	388	99 +	225	612	51334	51721
UN67472	Rsa1.0.04626.1	431	16611	0	415	431	96 -	1	431	14923	15352
UN67473	Rsa1.0.00017.1	319	752458	1.00E-180	319	319	100 -	1	319	32715	33033
UN67474	#	#	#	#	#	#	#	#	#	#	#
UN67475	Rsa1.0.00385.1	546	89160	0	389	399	97 -	1	395	35934	36332
UN67476	Rsa1.0.02735.1	620	28344	0	618	620	99 -	1	620	3625	4244
UN67477	Rsa1.0.01986.1	415	36489	1.00E-103	285	314	90 +	2	309	2655	2961
UN67478	Rsa1.0.02515.1	217	30616	1.00E-30	83	88	94 -	130	217	2703	2790
UN67479	Rsa1.0.00632.1	693	183777	0	524	535	97 -	1	535	157543	158077
UN67480	Rsa1.0.06113.1	603	11721	8.00E-81	196	209	93 +	398	603	6649	6854
UN67481	Rsa1.0.00289.1	537	98620	0	496	521	95 -	15	535	25075	25590
UN67482	Rsa1.0.00472.1	645	398134	1.00E-117	214	214	100 -	2	215	178375	178588
UN67483	Rsa1.0.43887.1	554	512	9.00E-19	64	69	92 -	486	554	229	297
UN67484	Rsa1.0.01031.1	592	56236	0	575	591	97 +	3	592	13497	14083
UN67485	Rsa1.0.05418.1	205	13816	1.00E-58	130	135	96 +	1	135	2907	3041
UN67486	Rsa1.0.01947.1	451	36977	0	449	451	99 -	1	451	16514	16963
UN67487	Rsa1.0.00237.1	158	235974	1.00E-67	151	158	95 +	1	158	41714	41871
UN67488	Rsa1.0.00064.1	179	240927	5.00E-73	165	173	95 -	1	173	133195	133364
UN67489	Rsa1.0.00503.1	765	79468	1.00E-142	256	256	100 +	1	256	39999	40254
UN67490	Rsa1.0.01100.1	758	54113	0	594	598	99 +	159	756	33803	34400
UN67491	Rsa1.0.02198.1	717	33989	0	696	721	96 +	1	717	6303	7023
UN67492	Rsa1.0.00822.1	317	62891	3.00E-85	207	221	93 -	8	228	32221	32436
UN67493	Rsa1.0.01060.1	697	55368	1.00E-109	268	285	94 -	1	283	40139	40416
UN67494	Rsa1.0.06117.1	305	11709	1.00E-100	275	305	90 +	1	305	1553	1847
UN67495	Rsa1.0.07527.1	681	9197	0	394	408	96 +	1	396	3354	3761
UN67496	Rsa1.0.01933.1	453	37172	7.00E-96	268	288	93 -	1	284	13678	13959
UN67497	Rsa1.0.00017.1	729	752458	0	426	431	98 -	299	729	313815	314244
UN67498	Rsa1.0.01421.1	518	46197	0	516	518	99 +	1	518	17534	18051
UN67499	#	#	#	#	#	#	#	#	#	#	#
UN67500	Rsa1.0.49053.1	535	462	1.00E-169	307	309	99 +	26	334	154	462
UN67501	Rsa1.0.00454.1	131	216970	1.00E-38	115	125	92 -	8	131	158679	158803
UN67502	Rsa1.0.00121.1	183	278029	2.00E-48	110	114	96 +	53	166	110932	111045
UN67503	Rsa1.0.00476.1	341	280966	1.00E-96	206	215	95 +	123	337	199384	199598
UN67504	Rsa1.0.02129.1	517	34757	5.00E-97	211	219	96 -	4	220	6494	6711
UN67505	Rsa1.0.00338.1	140	94109	9.00E-62	135	140	96 +	1	140	89845	89984
UN67506	Rsa1.0.02672.1	706	28884	0	523	526	99 +	1	526	11851	12376
UN67507	Rsa1.0.00423.1	713	86138	0	356	356	100 +	3	358	27572	27927

UN67508	Rsa1.0.00157.1	557	245832	1.00E-111	229	236	97 +	8	243	19645	19879
UN67509	Rsa1.0.00247.1	687	103408	0	594	597	99 -	1	597	30209	30805
UN67510	Rsa1.0.00363.1	171	90968	4.00E-61	160	171	93 +	1	171	64201	64369
UN67511	Rsa1.0.00779.1	339	64568	0	337	339	99 -	3	339	33097	33435
UN67512	Rsa1.0.00549.1	749	76473	1.00E-140	262	265	98 -	426	690	25005	25269
UN67513	Rsa1.0.00196.1	868	109960	2.00E-70	165	172	95 -	695	864	70383	70554
UN67514	Rsa1.0.01327.1	726	48033	0	704	726	96 +	1	726	42312	43037
UN67515	Rsa1.0.02185.1	580	34150	1.00E-172	321	326	98 -	171	496	21326	21651
UN67516	Rsa1.0.00315.1	728	96426	0	717	727	98 +	2	721	60572	61298
UN67517	Rsa1.0.01489.1	146	44764	4.00E-39	91	94	96 -	3	96	1844	1937
UN67518	Rsa1.0.07058.1	486	9964	0	465	485	95 +	3	486	5542	6026
UN67519	Rsa1.0.00048.1	444	167185	1.00E-141	257	258	99 +	1	258	43746	44003
UN67520	Rsa1.0.00671.1	668	397884	0	643	681	94 -	3	668	246697	247375
UN67521	Rsa1.0.01910.1	591	37405	1.00E-118	261	277	94 +	327	591	12141	12417
UN67522	Rsa1.0.07410.1	731	9443	0	383	398	96 +	2	393	5211	5604
UN67523	Rsa1.0.00494.1	633	79967	0	630	633	99 +	1	633	804	1436
UN67524	Rsa1.0.00421.1	632	86365	1.00E-135	251	253	99 -	119	371	81275	81527
UN67525	Rsa1.0.16521.1	595	2125	1.00E-166	501	567	88 -	17	555	1174	1725
UN67526	Rsa1.0.00289.1	595	98620	1.00E-109	291	321	90 +	4	311	25684	26003
UN67527	Rsa1.0.01424.1	717	46139	0	711	717	99 -	2	717	3508	4224
UN67528	Rsa1.0.01695.1	692	40848	1.00E-105	231	242	95 -	63	304	8401	8641
UN67529	Rsa1.0.00870.1	271	61606	7.00E-30	88	95	92 -	131	225	28207	28301
UN67530	Rsa1.0.00829.1	547	158305	0	546	547	99 +	1	547	146270	146816
UN67531	Rsa1.0.02700.1	689	28584	6.00E-79	153	154	99 -	286	439	14765	14918
UN67532	Rsa1.0.01481.1	543	184562	1.00E-134	316	343	92 +	176	506	15373	15715
UN67533	Rsa1.0.00507.1	298	79074	1.00E-100	262	285	91 +	18	298	9967	10248
UN67534	Rsa1.0.00378.1	754	89892	1.00E-142	256	256	100 +	3	258	22569	22824
UN67535	Rsa1.0.00703.1	462	67597	0	440	470	93 +	2	462	8474	8936
UN67536	Rsa1.0.00385.1	614	89160	0	365	367	99 +	249	614	67267	67633
UN67537	Rsa1.0.18485.1	546	1590	0	541	545	99 -	1	544	535	1079
UN67538	Rsa1.0.19019.1	697	1494	0	460	490	93 +	3	490	774	1251
UN67539	Rsa1.0.04282.1	651	18100	1.00E-133	253	257	98 +	4	260	6460	6716
UN67540	Rsa1.0.00153.1	769	192931	1.00E-140	259	261	99 -	3	263	170695	170955
UN67541	Rsa1.0.01768.1	619	138463	1.00E-122	272	287	94 +	1	287	116865	117150
UN67542	Rsa1.0.00300.1	792	97747	0	609	613	99 +	31	643	1555	2167
UN67543	Rsa1.0.00004.1	839	253996	0	743	745	99 +	2	745	36773	37517
UN67544	Rsa1.0.00954.1	676	189536	1.00E-86	163	163	100 +	264	426	37320	37482
UN67545	Rsa1.0.03843.1	672	20496	0	586	590	99 +	83	672	556	1145
UN67546	Rsa1.0.00651.1	786	247766	7.00E-48	101	102	99 -	298	399	91328	91429

UN67547	Rsa1.0.00010.1	717	294827	1.00E-165	294	294	100 +	33	326	115078	115371
UN67548	Rsa1.0.00359.1	704	91256	0	507	538	94 +	166	703	76188	76723
UN67549	Rsa1.0.01762.1	808	39682	1.00E-126	230	230	100 -	242	471	17863	18092
UN67550	Rsa1.0.01460.1	778	45255	0	412	443	93 -	3	426	24259	24699
UN67551	Rsa1.0.00452.1	428	83201	2.00E-53	113	115	98 -	238	352	3196	3310
UN67552	Rsa1.0.01280.1	712	49321	0	709	712	99 -	2	712	2633	3344
UN67553	Rsa1.0.00082.1	719	237584	3.00E-90	184	189	97 -	61	249	133006	133194
UN67554	Rsa1.0.12091.1	690	5316	2.00E-35	135	153	88 +	198	349	456	608
UN67555	Rsa1.0.00253.1	603	231292	0	428	432	99 -	172	603	25611	26042
UN67556	Rsa1.0.02967.1	599	26395	0	590	600	98 -	3	599	2134	2732
UN67557	Rsa1.0.00030.1	661	250988	4.00E-46	98	99	98 -	437	535	145020	145118
UN67558	Rsa1.0.00272.1	649	447836	3.00E-99	199	204	97 -	194	397	58525	58728
UN67559	Rsa1.0.05815.1	700	12563	2.00E-78	149	149	100 +	287	435	9001	9149
UN67560	Rsa1.0.01251.1	585	49873	1.00E-79	175	183	95 -	86	268	12229	12411
UN67561	Rsa1.0.00739.1	717	66155	7.00E-94	182	183	99 -	529	711	52049	52230
UN67562	Rsa1.0.01476.1	732	172928	7.00E-91	264	291	90 +	191	476	8190	8478
UN67563	Rsa1.0.01758.1	604	39747	0	598	602	99 +	3	604	3745	4346
UN67564	Rsa1.0.05224.1	752	14444	1.00E-107	236	248	95 +	343	588	13715	13962
UN67565	Rsa1.0.00036.1	741	176186	1.00E-55	114	115	99 +	63	177	33742	33856
UN67566	Rsa1.0.00389.1	599	88795	0	519	519	100 +	3	521	51659	52177
UN67567	Rsa1.0.03664.1	410	21487	1.00E-109	309	338	91 -	70	399	6087	6423
UN67568	Rsa1.0.08999.1	268	6720	1.00E-114	233	240	97 -	30	268	5902	6141
UN67569	Rsa1.0.00641.1	625	208241	1.00E-106	207	211	98 +	7	217	203870	204080
UN67570	Rsa1.0.00123.1	514	325650	0	494	513	96 -	2	514	306750	307262
UN67571	Rsa1.0.18356.1	726	1615	0	368	378	97 -	3	377	177	551
UN67572	Rsa1.0.00441.1	780	84607	1.00E-155	615	726	84 -	9	733	46606	47331
UN67573	Rsa1.0.03089.1	474	25465	5.00E-54	127	132	96 +	240	370	8405	8536
UN67574	Rsa1.0.01623.1	718	42065	1.00E-76	149	150	99 -	233	382	38714	38863
UN67575	Rsa1.0.04596.1	628	16709	1.00E-136	310	337	91 +	314	628	2	338
UN67576	Rsa1.0.00340.1	686	305782	1.00E-129	282	296	95 -	393	686	194357	194649
UN67577	Rsa1.0.10038.1	242	6029	8.00E-79	228	248	91 -	2	242	1056	1299
UN67578	Rsa1.0.00286.1	692	98709	1.00E-113	248	260	95 -	387	645	55588	55847
UN67579	Rsa1.0.00623.1	447	207630	0	401	417	96 +	38	447	164996	165412
UN67580	Rsa1.0.05506.1	604	13495	1.00E-161	318	327	97 -	279	604	4933	5259
UN67581	Rsa1.0.00805.1	469	63724	0	426	457	93 -	19	469	57886	58342
UN67582	Rsa1.0.00300.1	668	97747	3.00E-65	133	135	98 -	189	323	34226	34360
UN67583	Rsa1.0.07148.1	806	9825	0	695	731	95 +	50	767	8699	9419
UN67584	Rsa1.0.00049.1	725	167018	1.00E-127	282	297	94 +	431	723	78480	78776
UN67585	Rsa1.0.17273.1	567	1874	1.00E-115	220	223	98 +	7	229	1127	1349

UN67586	#	#	#	#	#	#	#	#	#	#	#	#
UN67587	Rsa1.0_03084.1	643	25506	2.00E-91	324	371	87 -	275	643	9795	10144	
UN67588	Rsa1.0_00318.1	733	96094	0	729	733	99 -	2	733	79782	80514	
UN67589	Rsa1.0_02976.1	727	26315	0	362	371	97 -	3	373	17585	17955	
UN67590	Rsa1.0_00496.1	649	79834	0	564	568	99 -	2	569	64988	65555	
UN67591	Rsa1.0_00198.1	153	222963	2.00E-78	151	152	99 +	2	153	18443	18594	
UN67592	Rsa1.0_00985.1	558	161950	0	364	364	100 +	195	558	47336	47699	
UN67593	Rsa1.0_01868.1	623	150904	9.00E-87	169	171	98 +	387	557	3130	3300	
UN67594	Rsa1.0_00002.1	613	601661	1.00E-171	339	348	97 +	255	600	289356	289703	
UN67595	Rsa1.0_00050.1	795	237174	1.00E-156	364	386	94 +	3	382	8746	9126	
UN67596	Rsa1.0_00888.1	823	60978	1.00E-116	224	228	98 +	321	548	52249	52476	
UN67597	Rsa1.0_00040.1	695	324196	0	559	562	99 +	132	693	171219	171779	
UN67598	Rsa1.0_03344.1	723	23593	0	671	684	98 -	31	711	17430	18113	
UN67599	Rsa1.0_06225.1	484	11443	0	472	483	97 -	6	484	8420	8902	
UN67600	Rsa1.0_01105.1	604	53958	0	340	340	100 +	1	340	16201	16540	
UN67601	Rsa1.0_06716.1	421	10482	2.00E-83	200	208	96 -	148	349	3285	3492	
UN67602	Rsa1.0_00083.1	658	442773	1.00E-136	278	286	97 -	365	648	143273	143558	
UN67603	Rsa1.0_01669.1	700	41286	1.00E-119	244	253	96 -	114	366	12514	12766	
UN67604	Rsa1.0_00674.1	803	193753	1.00E-174	319	322	99 -	3	324	190734	191055	
UN67605	Rsa1.0_01360.1	729	47246	0	698	717	97 -	1	708	12755	13471	
UN67606	Rsa1.0_02680.1	692	28721	1.00E-76	159	162	98 -	7	167	7882	8043	
UN67607	Rsa1.0_08807.1	821	6906	0	351	352	99 +	213	563	993	1344	
UN67608	Rsa1.0_02499.1	817	30774	4.00E-99	214	224	95 -	3	221	2233	2456	
UN67609	Rsa1.0_03181.1	860	24763	2.00E-76	149	150	99 -	2	151	17156	17305	
UN67610	Rsa1.0_09457.1	685	6353	1.00E-145	301	313	96 -	374	685	4334	4646	
UN67611	Rsa1.0_00222.1	659	172263	1.00E-156	342	361	94 -	99	458	87416	87763	
UN67612	Rsa1.0_04369.1	751	17703	0	689	700	98 +	54	751	3016	3715	
UN67613	Rsa1.0_00923.1	337	153678	1.00E-69	181	198	91 -	140	337	57062	57250	
UN67614	Rsa1.0_00179.1	828	393324	1.00E-111	204	204	100 +	18	221	203860	204063	
UN67615	Rsa1.0_00047.1	827	168582	1.00E-115	220	223	98 -	67	289	160764	160986	
UN67616	Rsa1.0_00061.1	612	218685	1.00E-172	317	320	99 -	3	319	167440	167759	
UN67617	Rsa1.0_02692.1	779	28626	0	425	454	93 -	1	454	21962	22415	
UN67618	Rsa1.0_03834.1	835	20572	0	740	757	97 +	3	757	11804	12560	
UN67619	Rsa1.0_30856.1	686	743	1.00E-117	242	251	96 +	210	460	493	743	
UN67620	Rsa1.0_00015.1	726	561803	0	594	625	95 +	106	726	443074	443698	
UN67621	Rsa1.0_00088.1	859	141341	0	627	629	99 -	3	631	87619	88247	
UN67622	Rsa1.0_00102.1	528	135497	1.00E-115	211	211	100 -	209	419	98549	98759	
UN67623	Rsa1.0_01336.1	709	47853	0	559	581	96 -	137	709	41903	42483	
UN67624	Rsa1.0_05063.1	269	14951	4.00E-22	57	58	98 -	1	58	10191	10248	

UN67625	Rsa1.0.00110.1	622	132719	0	513	535	95 -	26	559	52450	52984
UN67626	Rsa1.0.00165.1	586	116466	1.00E-178	368	382	96 -	7	382	27250	27631
UN67627	Rsa1.0.05995.1	662	11997	1.00E-55	114	115	99 +	548	662	3649	3763
UN67628	Rsa1.0.03560.1	608	22092	1.00E-150	326	345	94 -	49	387	5170	5514
UN67629	Rsa1.0.02177.1	796	34262	0	612	613	99 +	184	796	3390	4002
UN67630	Rsa1.0.00428.1	651	85599	4.00E-61	138	144	95 +	341	484	29341	29484
UN67631	Rsa1.0.00487.1	789	80674	1.00E-172	309	310	99 -	1	310	75851	76160
UN67632	Rsa1.0.00187.1	624	393093	1.00E-179	350	360	97 -	265	624	51332	51688
UN67633	Rsa1.0.29967.1	588	767	0	504	521	96 -	3	522	1	519
UN67634	Rsa1.0.00302.1	813	97521	0	621	636	97 +	3	638	36771	37406
UN67635	Rsa1.0.02326.1	619	32503	1.00E-154	305	314	97 +	10	320	4215	4528
UN67636	Rsa1.0.06430.1	537	11034	0	521	553	94 -	1	537	801	1353
UN67637	Rsa1.0.00492.1	751	80178	3.00E-78	161	165	97 +	232	396	6026	6190
UN67638	Rsa1.0.02321.1	781	32572	0	722	787	91 +	3	770	17351	18135
UN67639	Rsa1.0.01209.1	347	50668	0	343	347	98 +	1	347	48244	48590
UN67640	Rsa1.0.01295.1	713	49040	0	551	561	98 -	115	675	8398	8958
UN67641	Rsa1.0.00347.1	606	93048	1.00E-95	221	234	94 -	3	235	82099	82332
UN67642	Rsa1.0.00261.1	474	151157	8.00E-96	184	186	98 +	283	468	3065	3250
UN67643	Rsa1.0.00491.1	629	80219	0	442	461	95 +	5	461	75463	75923
UN67644	Rsa1.0.03420.1	768	23090	3.00E-62	122	122	100 -	189	310	10007	10128
UN67645	Rsa1.0.03148.1	790	24989	1.00E-49	104	105	99 +	419	523	15131	15235
UN67646	Rsa1.0.03100.1	450	25411	0	336	336	100 +	115	450	1938	2273
UN67647	Rsa1.0.39696.1	806	566	1.00E-95	193	198	97 -	46	243	196	393
UN67648	Rsa1.0.00071.1	586	345714	0	362	371	97 -	3	372	40988	41357
UN67649	Rsa1.0.37576.1	724	600	2.00E-23	139	168	82 +	479	631	379	546
UN67650	Rsa1.0.00331.1	687	176754	1.00E-126	259	269	96 -	211	479	99499	99767
UN67651	Rsa1.0.01487.1	568	44784	1.00E-162	293	294	99 +	275	568	13176	13469
UN67652	Rsa1.0.01409.1	752	151595	0	479	488	98 -	264	750	143875	144362
UN67653	Rsa1.0.01422.1	666	46172	0	643	665	96 +	3	666	39170	39831
UN67654	Rsa1.0.00017.1	571	752458	8.00E-84	215	234	91 -	230	463	746774	747007
UN67655	Rsa1.0.00156.1	645	118383	0	468	470	99 -	176	645	1132	1601
UN67656	Rsa1.0.02952.1	803	26492	0	389	405	96 -	1	405	1633	2037
UN67657	Rsa1.0.06320.1	779	11242	0	460	464	99 -	204	667	6123	6586
UN67658	Rsa1.0.03339.1	641	23623	1.00E-104	195	196	99 +	2	197	18222	18417
UN67659	Rsa1.0.01806.1	757	39021	0	727	730	99 -	1	730	24395	25123
UN67660	Rsa1.0.13686.1	810	4480	1.00E-104	210	216	97 -	354	569	3563	3778
UN67661	Rsa1.0.09409.1	642	6390	1.00E-121	220	220	100 -	218	437	4604	4823
UN67662	Rsa1.0.00008.1	770	358124	0	460	473	97 -	172	644	218361	218833
UN67663	Rsa1.0.01715.1	618	40489	5.00E-70	145	147	98 +	473	618	2586	2732

UN67664	Rsa1.0_15314.1	795	2690	2.00E-73	185	199	92 +	243	441	2177	2372
UN67665	Rsa1.0_07382.1	781	9487	0	571	601	95 -	175	767	8072	8671
UN67666	Rsa1.0_02078.1	802	35308	0	467	481	97 -	3	483	22716	23196
UN67667	Rsa1.0_00067.1	743	415055	0	638	640	99 -	105	743	175609	176248
UN67668	Rsa1.0_00712.1	697	67217	0	676	697	96 +	2	697	46499	47195
UN67669	Rsa1.0_01766.1	798	39617	9.00E-32	86	91	94 -	689	779	2968	3058
UN67670	Rsa1.0_12091.1	826	5316	4.00E-74	171	178	96 +	575	750	456	633
UN67671	Rsa1.0_00179.1	697	393324	0	402	404	99 +	160	563	204310	204713
UN67672	Rsa1.0_00671.1	774	397884	0	401	402	99 +	2	403	175624	176025
UN67673	Rsa1.0_02506.1	146	30700	4.00E-42	127	143	88 +	4	146	14164	14293
UN67674	Rsa1.0_04692.1	751	16357	0	661	669	98 +	89	750	12109	12777
UN67675	Rsa1.0_04762.1	638	16101	0	588	608	96 -	40	638	10289	10893
UN67676	Rsa1.0_03113.1	519	25318	1.00E-178	331	336	98 -	181	516	12761	13096
UN67677	Rsa1.0_00202.1	637	185895	1.00E-158	282	282	100 -	4	285	149570	149851
UN67678	Rsa1.0_01249.1	835	188432	0	648	675	96 +	174	833	149233	149907
UN67679	Rsa1.0_04576.1	749	16783	0	734	752	97 +	1	749	4557	5302
UN67680	Rsa1.0_01606.1	718	42432	0	541	559	96 -	154	711	9311	9869
UN67681	Rsa1.0_00013.1	791	292129	1.00E-179	339	343	98 +	3	344	74109	74450
UN67682	Rsa1.0_04618.1	554	16623	0	553	553	100 +	2	554	2918	3470
UN67683	Rsa1.0_06136.1	604	11659	0	430	457	94 -	158	602	3920	4370
UN67684	Rsa1.0_00949.1	658	58549	0	637	658	96 +	2	658	57228	57885
UN67685	Rsa1.0_01633.1	638	41868	1.00E-132	278	291	95 -	59	349	3901	4191
UN67686	Rsa1.0_00577.1	778	174827	0	542	569	95 +	211	777	18957	19525
UN67687	Rsa1.0_03960.1	772	19864	1.00E-163	322	332	96 +	122	453	6051	6382
UN67688	Rsa1.0_01523.1	422	43959	1.00E-106	377	434	86 -	4	422	28109	28522
UN67689	Rsa1.0_01483.1	645	44826	0	635	644	98 +	2	645	22384	23027
UN67690	Rsa1.0_09002.1	558	137863	1.00E-166	299	300	99 +	259	558	135090	135389
UN67691	Rsa1.0_00190.1	636	318240	0	605	631	95 -	6	636	146797	147427
UN67692	Rsa1.0_02107.1	716	34940	0	666	680	97 -	3	682	32887	33566
UN67693	Rsa1.0_00214.1	756	107508	0	396	415	95 +	259	658	102294	102708
UN67694	Rsa1.0_06580.1	643	10723	1.00E-107	204	206	99 +	203	408	4180	4385
UN67695	Rsa1.0_01606.1	779	42432	0	677	695	97 -	88	779	41231	41925
UN67696	Rsa1.0_00356.1	514	91521	1.00E-133	259	265	97 +	122	386	47880	48144
UN67697	Rsa1.0_00059.1	673	159650	1.00E-100	209	217	96 +	217	433	63089	63305
UN67698	Rsa1.0_00035.1	621	176449	1.00E-116	215	216	99 +	3	218	86564	86779
UN67699	Rsa1.0_03032.1	692	25836	5.00E-64	174	189	92 -	4	191	12511	12699
UN67700	Rsa1.0_03701.1	487	21296	0	415	429	96 +	2	429	10140	10568
UN67701	Rsa1.0_00187.1	820	393093	1.00E-132	521	621	83 -	14	617	242271	242849
UN67702	Rsa1.0_03317.1	302	23782	1.00E-115	242	252	96 -	2	250	7686	7937

UN67703	Rsa1.0_04408.1	703	17500	1.00E-129	261	270	96 +	434	703	15447	15716
UN67704	Rsa1.0_00890.1	713	323870	0	423	439	96 -	141	570	167026	167464
UN67705	Rsa1.0_01064.1	386	55295	1.00E-102	350	397	88 -	2	385	50742	51132
UN67706	Rsa1.0_00638.1	765	71037	0	455	489	93 -	4	488	7718	8194
UN67707	Rsa1.0_00224.1	171	327530	1.00E-70	144	147	97 +	25	171	199796	199942
UN67708	Rsa1.0_25169.1	666	948	1.00E-162	289	289	100 +	3	291	300	588
UN67709	Rsa1.0_01944.1	730	37037	1.00E-104	206	209	98 -	3	211	34585	34792
UN67710	Rsa1.0_03178.1	606	24798	1.00E-166	515	584	88 -	1	571	9555	10127
UN67711	Rsa1.0_05462.1	490	13671	0	484	490	98 -	1	490	6069	6558
UN67712	Rsa1.0_12132.1	368	5306	2.00E-86	198	209	94 -	3	211	136	342
UN67713	Rsa1.0_02286.1	620	32993	1.00E-147	265	265	100 -	1	265	7743	8007
UN67714	Rsa1.0_01169.1	766	51829	0	759	777	97 -	1	766	37128	37904
UN67715	Rsa1.0_01484.1	415	44806	0	366	369	99 +	2	367	37962	38330
UN67716	Rsa1.0_03292.1	743	23977	0	447	458	97 +	289	743	10302	10759
UN67717	Rsa1.0_02142.1	788	34633	1.00E-103	215	222	96 +	3	224	14207	14427
UN67718	Rsa1.0_00645.1	456	189716	4.00E-85	181	188	96 -	64	251	35226	35413
UN67719	Rsa1.0_00302.1	767	97521	0	762	767	99 +	1	764	4342	5108
UN67720	Rsa1.0_04518.1	278	17005	1.00E-77	157	159	98 -	118	276	12892	13049
UN67721	Rsa1.0_00734.1	792	66508	0	484	490	98 -	2	490	52167	52656
UN67722	Rsa1.0_00838.1	668	153820	0	382	394	96 +	3	395	2111	2496
UN67723	Rsa1.0_01753.1	769	39794	0	568	610	93 +	1	587	8607	9202
UN67724	Rsa1.0_00020.1	705	283099	0	630	643	97 -	63	704	101431	102073
UN67725	Rsa1.0_00079.1	764	606987	0	443	452	98 +	293	740	134304	134755
UN67726	Rsa1.0_00233.1	639	104918	0	406	431	94 -	212	639	54033	54459
UN67727	Rsa1.0_00665.1	739	69539	0	435	436	99 -	3	438	40741	41176
UN67728	Rsa1.0_00069.1	611	403561	2.00E-87	164	164	100 +	179	342	199919	200082
UN67729	Rsa1.0_00079.1	692	606987	0	681	684	99 -	2	685	489657	490340
UN67730	Rsa1.0_15714.1	414	2466	8.00E-31	122	139	87 -	15	153	2235	2370
UN67731	Rsa1.0_04029.1	609	19491	1.00E-149	319	336	94 +	262	597	5869	6204
UN67732	Rsa1.0_15871.1	689	2381	1.00E-112	205	205	100 +	103	307	272	476
UN67733	Rsa1.0_02728.1	546	28400	1.00E-79	154	155	99 +	126	280	13955	14109
UN67734	Rsa1.0_01956.1	741	36847	0	447	457	97 +	289	741	21617	22073
UN67735	Rsa1.0_01659.1	675	164577	1.00E-110	206	207	99 -	104	310	151289	151495
UN67736	Rsa1.0_02884.1	630	27034	1.00E-114	232	239	97 +	61	296	14486	14724
UN67737	Rsa1.0_04928.1	715	15420	0	626	629	99 -	1	628	10149	10777
UN67738	Rsa1.0_02228.1	711	33688	1.00E-119	227	229	99 -	254	481	29799	30027
UN67739	Rsa1.0_00261.1	274	151157	1.00E-31	76	78	97 -	68	145	74551	74628
UN67740	Rsa1.0_00966.1	785	58136	0	675	681	99 -	2	681	32204	32884
UN67741	Rsa1.0_09635.1	745	6241	0	542	563	96 -	186	745	5692	6241

UN67742	Rsa1.0.00765.1	722	65029	1.00E-134	243	243	100 -	27	269	36181	36423
UN67743	Rsa1.0.03366.1	720	23401	0	408	410	99 +	198	606	9183	9592
UN67744	Rsa1.0.10631.1	588	5776	0	572	587	97 -	2	588	4508	5092
UN67745	Rsa1.0.01893.1	620	37520	1.00E-121	252	263	95 -	3	265	7294	7545
UN67746	Rsa1.0.00064.1	379	240927	6.00E-93	207	217	95 +	160	376	7959	8174
UN67747	Rsa1.0.11380.1	667	5526	0	534	538	99 +	131	667	553	1090
UN67748	Rsa1.0.02458.1	315	31197	1.00E-167	311	313	99 -	2	312	9254	9566
UN67749	Rsa1.0.00962.1	579	184909	0	533	534	99 +	2	535	9002	9535
UN67750	Rsa1.0.00006.1	356	396176	1.00E-147	332	354	93 -	3	356	362092	362442
UN67751	Rsa1.0.02532.1	292	30403	7.00E-92	229	248	92 +	2	239	24549	24792
UN67752	Rsa1.0.03615.1	760	21766	7.00E-82	158	159	99 +	403	561	16413	16571
UN67753	Rsa1.0.35634.1	605	635	0	372	381	97 +	3	383	3	380
UN67754	Rsa1.0.00883.1	737	61230	8.00E-63	167	181	92 +	182	359	52523	52703
UN67755	Rsa1.0.00205.1	727	193401	0	367	380	96 +	87	466	180489	180862
UN67756	Rsa1.0.02438.1	628	31392	1.00E-142	280	287	97 -	3	287	25130	25416
UN67757	Rsa1.0.00248.1	602	163568	0	581	603	96 -	3	602	50924	51525
UN67758	Rsa1.0.00987.1	763	57543	0	589	607	97 -	2	607	4713	5319
UN67759	Rsa1.0.00363.1	707	90968	1.00E-165	340	351	96 +	320	667	21396	21746
UN67760	Rsa1.0.02276.1	380	33098	0	374	383	97 +	1	380	22308	22690
UN67761	Rsa1.0.00167.1	660	116000	0	657	660	99 -	1	660	12982	13639
UN67762	Rsa1.0.00168.1	564	115870	0	521	560	93 -	2	561	30842	31401
UN67763	Rsa1.0.00632.1	313	183777	1.00E-158	310	315	98 -	1	313	45519	45832
UN67764	Rsa1.0.00581.1	164	163575	2.00E-60	151	163	92 +	2	164	25288	25442
UN67765	Rsa1.0.00392.1	511	88523	0	376	383	98 -	129	511	9942	10324
UN67766	Rsa1.0.00460.1	803	206387	0	725	827	87 -	2	803	203526	204316
UN67767	Rsa1.0.00178.1	498	114861	0	472	496	95 +	5	498	60649	61144
UN67768	Rsa1.0.03545.1	649	147543	0	510	519	98 +	3	521	7331	7849
UN67769	Rsa1.0.06971.1	638	10085	1.00E-76	155	158	98 -	383	540	5075	5232
UN67770	Rsa1.0.00045.1	711	328694	1.00E-178	348	357	97 +	347	702	229948	230304
UN67771	Rsa1.0.01032.1	649	56189	0	422	425	99 -	223	644	45127	45551
UN67772	Rsa1.0.18947.1	721	1506	0	485	511	94 -	99	607	690	1193
UN67773	Rsa1.0.00350.1	559	92346	0	475	514	92 +	8	518	45516	46029
UN67774	Rsa1.0.20190.1	805	1330	0	711	760	93 -	2	757	108	866
UN67775	Rsa1.0.00839.1	741	62533	0	721	743	97 +	3	741	7762	8498
UN67776	Rsa1.0.07344.1	572	9528	4.00E-92	172	172	100 -	3	174	4106	4277
UN67777	Rsa1.0.03851.1	117	20451	4.00E-57	112	112	100 +	1	112	5494	5605
UN67778	Rsa1.0.00616.1	599	195713	2.00E-75	153	156	98 +	6	161	142574	142729
UN67779	Rsa1.0.01707.1	687	40686	1.00E-101	213	220	96 +	452	670	16252	16471
UN67780	Rsa1.0.00837.1	711	62568	0	696	715	97 -	1	711	24023	24737

UN67781	Rsa1.0.08548.1	748	7212	0	745	747	99 +	2	748	2332	3078
UN67782	Rsa1.0.00177.1	621	143394	1.00E-176	367	384	95 +	1	384	16959	17340
UN67783	Rsa1.0.05838.1	102	12479	2.00E-46	100	102	98 -	1	102	5495	5596
UN67784	Rsa1.0.01763.1	672	39659	0	588	625	94 +	54	672	868	1483
UN67785	Rsa1.0.04371.1	467	17700	1.00E-148	334	350	95 +	120	467	12630	12976
UN67786	Rsa1.0.01493.1	772	44670	0	473	499	94 +	3	498	5426	5924
UN67787	Rsa1.0.13154.1	479	4990	2.00E-13	67	76	88 +	341	416	4316	4391
UN67788	Rsa1.0.01210.1	633	50663	2.00E-20	67	72	93 +	402	473	5557	5628
UN67789	Rsa1.0.01484.1	216	44806	1.00E-116	211	211	100 +	3	213	37088	37298
UN67790	Rsa1.0.08399.1	555	7424	1.00E-147	300	312	96 -	2	313	219	530
UN67791	Rsa1.0.00579.1	507	148308	2.00E-75	186	198	93 +	3	197	69464	69655
UN67792	Rsa1.0.05420.1	757	13808	5.00E-21	106	121	87 +	628	741	3184	3304
UN67793	Rsa1.0.00679.1	358	68971	1.00E-163	343	357	96 -	2	358	49737	50088
UN67794	Rsa1.0.01938.1	642	264018	0	630	642	98 +	1	642	156095	156735
UN67795	Rsa1.0.04027.1	155	19501	2.00E-75	143	143	100 +	3	145	13781	13923
UN67796	Rsa1.0.15289.1	463	2707	0	452	462	97 +	2	463	1815	2276
UN67797	Rsa1.0.00116.1	612	365886	1.00E-164	426	471	90 +	148	612	141397	141852
UN67798	Rsa1.0.07321.1	710	9559	1.00E-156	361	384	94 -	324	705	8891	9268
UN67799	Rsa1.0.01857.1	772	38103	1.00E-147	335	356	94 +	386	734	6769	7124
UN67800	Rsa1.0.46459.1	604	486	2.00E-75	155	158	98 -	132	289	1	155
UN67801	Rsa1.0.00810.1	620	63289	1.00E-164	308	313	98 +	14	326	49242	49554
UN67802	Rsa1.0.00179.1	560	393324	5.00E-79	195	210	92 +	351	560	211561	211770
UN67803	Rsa1.0.00593.1	706	143463	1.00E-152	293	300	97 -	3	302	4707	5006
UN67804	Rsa1.0.00006.1	787	396176	1.00E-111	226	233	96 +	311	543	45843	46075
UN67805	Rsa1.0.06837.1	610	10287	1.00E-27	82	88	93 +	455	542	5827	5914
UN67806	Rsa1.0.00175.1	637	166121	1.00E-82	162	164	98 -	466	629	56662	56825
UN67807	Rsa1.0.03795.1	643	20818	1.00E-106	195	195	100 +	194	388	14017	14211
UN67808	Rsa1.0.00215.1	351	201775	1.00E-158	286	287	99 -	2	288	152169	152455
UN67809	Rsa1.0.01565.1	618	155447	0	617	618	99 +	2	618	144803	145420
UN67810	Rsa1.0.02807.1	650	27680	1.00E-111	216	220	98 +	212	431	3676	3895
UN67811	Rsa1.0.00458.1	750	82717	0	600	605	99 +	126	727	77971	78574
UN67812	Rsa1.0.00739.1	229	66155	1.00E-74	222	247	89 +	1	229	7284	7528
UN67813	Rsa1.0.35196.1	616	643	0	418	421	99 +	153	573	223	643
UN67814	Rsa1.0.12514.1	748	5206	0	523	524	99 -	1	524	4677	5200
UN67815	Rsa1.0.00562.1	609	75565	0	473	484	97 -	129	609	2758	3241
UN67816	Rsa1.0.02508.1	114	30675	7.00E-34	73	73	100 -	5	77	3078	3150
UN67817	Rsa1.0.00502.1	660	204180	0	413	425	97 +	8	432	72597	73021
UN67818	#	#	#	#	#	#	#	#	#	#	#
UN67819	Rsa1.0.01081.1	699	499226	4.00E-80	166	168	98 +	513	678	41616	41783

UN67820	Rsa1.0.01544.1	315	185602	1.00E-121	296	309	95 -	3	302	9761	10069
UN67821	Rsa1.0.00041.1	643	186197	4.00E-49	106	108	98 -	117	224	169979	170086
UN67822	Rsa1.0.00065.1	510	454616	1.00E-102	204	209	97 +	216	424	172779	172987
UN67823	Rsa1.0.06642.1	629	10616	1.00E-155	283	285	99 +	3	287	3728	4012
UN67824	Rsa1.0_10673.1	575	5760	1.00E-131	252	257	98 +	1	257	3846	4102
UN67825	Rsa1.0_02499.1	651	30774	0	385	385	100 +	267	651	24595	24979
UN67826	#	#	#	#	#	#	#	#	#	#	#
UN67827	Rsa1.0.00014.1	607	348985	0	382	394	96 -	1	388	332698	333091
UN67828	Rsa1.0.08272.1	590	7617	0	448	451	99 +	141	590	4572	5022
UN67829	Rsa1.0.20038.1	639	1349	6.00E-91	170	170	100 -	22	191	1180	1349
UN67830	Rsa1.0.00751.1	675	65759	1.00E-136	258	262	98 -	184	445	14056	14317
UN67831	Rsa1.0.00222.1	571	172263	0	552	582	94 +	3	571	148583	149162
UN67832	Rsa1.0.00706.1	610	291570	0	592	603	98 -	8	610	279631	280233
UN67833	Rsa1.0_14271.1	602	3591	0	433	462	93 +	3	443	1360	1821
UN67834	Rsa1.0.02045.1	381	35650	4.00E-69	157	165	95 +	12	176	20365	20529
UN67835	Rsa1.0.01280.1	627	49321	1.00E-174	338	346	97 +	283	627	29077	29422
UN67836	Rsa1.0.00294.1	780	144860	7.00E-88	180	185	97 -	525	709	70853	71037
UN67837	#	#	#	#	#	#	#	#	#	#	#
UN67838	Rsa1.0.01740.1	633	39986	0	447	449	99 +	1	449	35235	35683
UN67839	Rsa1.0.00368.1	585	90669	0	583	586	99 +	1	585	84200	84785
UN67840	Rsa1.0.00627.1	598	71566	4.00E-95	209	217	96 +	382	598	62449	62663
UN67841	Rsa1.0.04080.1	632	19198	1.00E-115	298	322	92 +	310	630	9679	9997
UN67842	Rsa1.0.00002.1	140	601661	5.00E-20	78	82	95 +	51	128	33357	33438
UN67843	Rsa1.0.00048.1	676	167185	0	440	450	97 +	35	481	108926	109374
UN67844	Rsa1.0.01240.1	730	50075	0	540	551	98 -	1	551	42083	42633
UN67845	Rsa1.0.00020.1	740	283099	1.00E-154	399	440	90 -	1	436	139535	139957
UN67846	Rsa1.0.00134.1	660	390219	0	628	664	94 -	3	660	134445	135108
UN67847	Rsa1.0.01189.1	668	51358	0	412	425	96 +	242	666	17124	17547
UN67848	Rsa1.0.01122.1	454	53369	0	445	453	98 +	2	454	40331	40783
UN67849	Rsa1.0.20026.1	801	1350	0	423	448	94 +	3	450	29	460
UN67850	Rsa1.0.24271.1	596	996	1.00E-67	134	135	99 -	459	593	175	309
UN67851	Rsa1.0.03735.1	607	21087	0	452	466	96 +	145	607	3647	4112
UN67852	Rsa1.0.00540.1	812	76895	1.00E-125	230	231	99 +	382	612	32182	32412
UN67853	Rsa1.0.09897.1	619	6100	0	618	618	100 +	2	619	2992	3609
UN67854	Rsa1.0.00833.1	667	62621	1.00E-175	426	461	92 -	5	460	43422	43882
UN67855	Rsa1.0.00345.1	587	93226	0	542	584	92 +	7	587	54506	55069
UN67856	Rsa1.0.00434.1	670	85171	1.00E-171	339	349	97 +	37	384	69109	69457
UN67857	Rsa1.0_17675.1	483	1767	0	405	405	100 +	79	483	1130	1534
UN67858	Rsa1.0.03476.1	366	22646	6.00E-90	208	219	94 -	1	219	12105	12315

UN67859	Rsa1.0.00409.1	773	146788	1.00E-105	194	194	100 +	267	460	7896	8089
UN67860	Rsa1.0.02017.1	599	35999	1.00E-147	278	282	98 -	4	282	29780	30061
UN67861	Rsa1.0.00727.1	747	66724	0	699	737	94 +	3	719	44976	45706
UN67862	Rsa1.0.00426.1	643	85668	7.00E-97	204	212	96 -	167	378	34554	34765
UN67863	Rsa1.0.02528.1	751	30452	1.00E-106	220	227	96 +	4	230	18720	18940
UN67864	Rsa1.0.15420.1	281	2614	3.00E-69	151	157	96 +	2	158	1083	1239
UN67865	Rsa1.0.03264.1	558	145959	0	558	558	100 -	1	558	130176	130733
UN67866	Rsa1.0.15414.1	655	2620	1.00E-98	210	219	95 -	318	536	1712	1930
UN67867	Rsa1.0.00472.1	560	398134	0	390	390	100 +	171	560	131111	131500
UN67868	Rsa1.0.00990.1	615	57445	1.00E-153	274	274	100 +	55	328	18417	18690
UN67869	Rsa1.0.13805.1	631	4304	0	471	475	99 +	158	631	3466	3940
UN67870	Rsa1.0.00224.1	687	327530	1.00E-157	282	282	100 +	402	683	195632	195913
UN67871	Rsa1.0.00121.1	169	278029	9.00E-87	165	166	99 -	1	166	272449	272614
UN67872	Rsa1.0.01414.1	737	149508	3.00E-81	166	170	97 +	52	221	114860	115029
UN67873	Rsa1.0.03093.1	613	25445	5.00E-45	96	97	98 +	476	572	2719	2815
UN67874	Rsa1.0.00601.1	424	177045	6.00E-87	210	218	96 -	170	380	27032	27249
UN67875	Rsa1.0.01796.1	147	39154	6.00E-32	88	94	93 +	54	147	6789	6882
UN67876	Rsa1.0.00097.1	281	138858	1.00E-65	155	163	95 +	120	281	25591	25753
UN67877	Rsa1.0.05162.1	161	14631	2.00E-59	140	148	94 -	14	161	6830	6977
UN67878	Rsa1.0.01063.1	664	55301	0	656	658	99 -	1	658	8240	8897
UN67879	Rsa1.0.01921.1	590	168088	2.00E-94	188	192	97 +	1	192	24409	24600
UN67880	Rsa1.0.00686.1	713	68511	1.00E-140	267	272	98 +	2	273	2292	2563
UN67881	Rsa1.0.02425.1	761	31567	9.00E-69	168	176	95 -	581	752	14013	14188
UN67882	Rsa1.0.09565.1	549	6285	0	375	389	96 +	157	541	5405	5789
UN67883	Rsa1.0.01809.1	679	39004	1.00E-76	146	146	100 -	143	288	31082	31227
UN67884	Rsa1.0.00673.1	661	69325	7.00E-91	188	193	97 -	143	333	50970	51162
UN67885	Rsa1.0.01814.1	710	38917	1.00E-123	245	251	97 +	339	589	7063	7311
UN67886	Rsa1.0.00589.1	713	209965	3.00E-96	179	179	100 +	125	303	61242	61420
UN67887	Rsa1.0.00009.1	751	232558	1.00E-158	300	303	99 +	451	751	53021	53323
UN67888	Rsa1.0.01986.1	722	36489	0	513	521	98 -	1	521	4049	4569
UN67889	Rsa1.0.03487.1	746	22564	0	726	750	96 -	2	746	2430	3167
UN67890	Rsa1.0.13820.1	765	4264	1.00E-145	277	282	98 -	260	541	1101	1382
UN67891	Rsa1.0.00116.1	727	365886	0	486	503	96 -	13	515	206779	207281
UN67892	Rsa1.0.01659.1	537	164577	1.00E-104	232	245	94 +	13	257	145502	145746
UN67893	Rsa1.0.00663.1	741	164969	1.00E-116	225	228	98 +	486	712	146488	146715
UN67894	Rsa1.0.04518.1	700	17005	1.00E-149	289	295	97 +	407	700	1716	2010
UN67895	Rsa1.0.00473.1	439	212204	2.00E-74	178	186	95 -	255	437	48625	48810
UN67896	#	#	#	#	#	#	#	#	#	#	#
UN67897	Rsa1.0.00743.1	706	177459	0	495	507	97 +	190	691	24233	24739

UN67898	Rsa1.0.01732.1	627	40194	0	535	540	99 +	88	627	39609	40148
UN67899	Rsa1.0.07450.1	442	9373	1.00E-100	188	189	99 +	146	334	2002	2190
UN67900	Rsa1.0.00220.1	160	192936	2.00E-41	86	86	100 -	1	86	154190	154275
UN67901	Rsa1.0.00756.1	549	65628	2.00E-25	87	96	90 +	274	369	3257	3352
UN67902	Rsa1.0.01249.1	698	188432	0	392	399	98 -	10	408	188034	188432
UN67903	Rsa1.0.06113.1	773	11721	2.00E-97	204	211	96 -	391	598	7816	8026
UN67904	Rsa1.0.00472.1	812	398134	0	591	594	99 +	3	596	177381	177974
UN67905	Rsa1.0.04623.1	750	16617	7.00E-88	192	201	95 +	19	219	1761	1961
UN67906	Rsa1.0.00782.1	621	64468	0	573	619	92 -	4	621	15819	16415
UN67907	Rsa1.0.01031.1	701	56236	0	482	493	97 -	2	494	14349	14841
UN67908	Rsa1.0.01947.1	799	36977	0	538	547	98 +	253	792	16135	16681
UN67909	Rsa1.0.12663.1	577	5160	1.00E-121	310	335	92 -	246	577	938	1260
UN67910	Rsa1.0.01384.1	209	46803	1.00E-108	205	207	99 +	3	209	40943	41149
UN67911	Rsa1.0.08846.1	738	6867	2.00E-48	114	118	96 -	3	118	6654	6771
UN67912	Rsa1.0.00694.1	607	68074	4.00E-95	195	201	97 -	2	202	8297	8497
UN67913	Rsa1.0.02063.1	585	35484	1.00E-118	219	220	99 +	2	221	27000	27219
UN67914	Rsa1.0.01798.1	816	173909	0	652	700	93 +	123	810	171521	172214
UN67915	Rsa1.0.03232.1	736	24450	1.00E-138	271	274	98 -	466	736	22831	23104
UN67916	Rsa1.0.03392.1	717	23248	0	408	411	99 -	215	625	5075	5485
UN67917	Rsa1.0.00964.1	591	316648	2.00E-97	202	208	97 +	4	211	303175	303380
UN67918	Rsa1.0.01983.1	747	36509	0	569	585	97 +	161	744	470	1054
UN67919	Rsa1.0.02097.1	575	35036	0	497	501	99 +	3	503	14285	14784
UN67920	Rsa1.0.02553.1	784	30190	0	765	785	97 +	3	784	24801	25585
UN67921	Rsa1.0.01517.1	641	44170	0	625	642	97 -	2	641	28339	28974
UN67922	Rsa1.0.00779.1	674	64568	1.00E-171	304	304	100 +	258	561	32275	32578
UN67923	Rsa1.0.10038.1	584	6029	0	452	470	96 -	118	584	401	870
UN67924	Rsa1.0.00324.1	606	218805	0	503	518	97 -	90	606	216893	217410
UN67925	Rsa1.0.00196.1	144	109960	2.00E-32	74	75	98 +	53	127	69980	70054
UN67926	Rsa1.0.02963.1	780	26407	1.00E-83	194	208	93 -	3	199	14675	14882
UN67927	Rsa1.0.15929.1	342	2351	9.00E-58	188	210	89 -	32	239	163	362
UN67928	Rsa1.0.02248.1	381	33414	1.00E-121	221	221	100 +	3	223	26066	26286
UN67929	Rsa1.0.00099.1	637	159619	0	453	465	97 +	5	469	39325	39789
UN67930	Rsa1.0.03876.1	194	20334	2.00E-23	59	60	98 +	53	112	18306	18365
UN67931	Rsa1.0.00496.1	563	79834	0	558	563	99 -	3	563	46600	47162
UN67932	Rsa1.0.04504.1	539	17069	1.00E-173	319	323	98 -	3	325	7932	8254
UN67933	Rsa1.0.00683.1	752	68638	0	677	700	96 -	4	702	39457	40156
UN67934	Rsa1.0.00235.1	770	154696	1.00E-77	169	175	96 +	120	292	92430	92604
UN67935	Rsa1.0.00071.1	707	345714	1.00E-134	256	259	98 -	443	700	324478	324736
UN67936	Rsa1.0.00092.1	412	659932	0	412	412	100 +	1	412	623321	623732

UN67937	Rsa1.0_00604.1	136	146282	6.00E-41	128	141	90 +	2	136	111854	111994
UN67938	Rsa1.0_03190.1	724	24708	1.00E-101	196	199	98 +	313	511	12031	12229
UN67939	Rsa1.0_00640.1	670	70979	5.00E-73	155	160	96 +	226	385	47929	48088
UN67940	Rsa1.0_00144.1	588	120708	1.00E-169	349	364	95 +	15	375	73403	73766
UN67941	Rsa1.0_00844.1	656	62403	1.00E-175	413	447	92 +	2	448	6125	6571
UN67942	Rsa1.0_00855.1	795	62047	9.00E-69	142	145	97 +	333	477	55080	55224
UN67943	Rsa1.0_01920.1	564	158533	0	463	496	93 +	3	496	125759	126241
UN67944	Rsa1.0_00284.1	698	323267	0	545	569	95 -	91	656	317106	317674
UN67945	Rsa1.0_00030.1	598	250988	1.00E-165	336	350	96 +	124	473	4766	5115
UN67946	Rsa1.0_01730.1	653	40223	0	444	456	97 +	199	653	35223	35678
UN67947	Rsa1.0_36556.1	496	617	0	425	434	97 -	3	436	1	434
UN67948	Rsa1.0_00416.1	633	86772	1.00E-163	360	380	94 +	3	381	39960	40338
UN67949	Rsa1.0_02494.1	704	132923	1.00E-104	234	245	95 +	3	246	118729	118972
UN67950	Rsa1.0_01259.1	344	49754	1.00E-25	75	79	94 +	198	274	33841	33919
UN67951	Rsa1.0_18616.1	794	1564	0	713	746	95 +	5	745	389	1133
UN67952	Rsa1.0_06581.1	770	10722	2.00E-45	103	106	97 -	85	190	10359	10464
UN67953	Rsa1.0_01586.1	784	42804	3.00E-56	138	144	95 -	8	149	3440	3583
UN67954	Rsa1.0_54779.1	489	417	1.00E-125	227	227	100 -	263	489	6	232
UN67955	Rsa1.0_02929.1	697	26673	1.00E-148	283	286	98 -	2	286	22266	22550
UN67956	Rsa1.0_39749.1	564	565	1.00E-119	254	264	96 +	1	261	302	565
UN67957	Rsa1.0_25158.1	303	949	1.00E-140	290	302	96 -	3	301	2	303
UN67958	Rsa1.0_13686.1	401	4480	3.00E-21	134	161	83 -	105	265	4089	4249
UN67959	Rsa1.0_04626.1	770	16611	0	545	553	98 +	176	721	13547	14099
UN67960	Rsa1.0_02070.1	104	158516	3.00E-36	97	103	94 +	2	104	157172	157271
UN67961	Rsa1.0_00009.1	257	232558	2.00E-64	155	161	96 +	100	257	148404	148564
UN67962	Rsa1.0_03010.1	738	26054	0	731	734	99 +	1	732	20917	21650
UN67963	Rsa1.0_01066.1	678	55235	0	448	450	99 +	229	678	41611	42060
UN67964	Rsa1.0_04616.1	819	16627	9.00E-97	228	240	95 +	578	814	4890	5129
UN67965	Rsa1.0_00722.1	543	66840	9.00E-99	240	255	94 -	290	543	3473	3725
UN67966	Rsa1.0_11178.1	615	5593	0	489	491	99 -	1	491	2279	2769
UN67967	Rsa1.0_00120.1	610	277288	5.00E-79	184	193	95 -	13	203	93711	93902
UN67968	Rsa1.0_06382.1	500	11121	1.00E-109	201	201	100 +	114	314	9773	9973
UN67969	Rsa1.0_57878.1	586	395	4.00E-92	172	172	100 +	415	586	138	309
UN67970	Rsa1.0_01340.1	780	47805	1.00E-117	261	276	94 -	247	522	25414	25686
UN67971	Rsa1.0_05217.1	571	142938	0	566	569	99 -	3	571	130477	131045
UN67972	Rsa1.0_01516.1	568	44196	1.00E-106	221	228	96 -	277	504	27803	28029
UN67973	Rsa1.0_01628.1	642	41932	1.00E-109	212	216	98 +	145	360	36552	36767
UN67974	Rsa1.0_16486.1	772	2139	1.00E-106	315	355	88 -	417	766	413	747
UN67975	Rsa1.0_00260.1	744	102021	1.00E-61	124	125	99 +	515	639	63858	63982

UN67976	Rsa1.0.00185.1	595	248445	0	588	595	98 +	1	595	167117	167710
UN67977	Rsa1.0.00131.1	558	432233	1.00E-160	384	411	93 -	76	482	90218	90624
UN67978	Rsa1.0.00383.1	746	398431	1.00E-169	351	368	95 +	4	365	20284	20651
UN67979	Rsa1.0.00507.1	747	79074	1.00E-154	382	417	91 -	1	413	11403	11804
UN67980	Rsa1.0.00972.1	797	57937	1.00E-119	235	241	97 -	315	555	52953	53193
UN67981	Rsa1.0.04674.1	357	139859	0	355	355	100 +	3	357	4923	5277
UN67982	Rsa1.0.00869.1	665	61627	0	612	671	91 -	2	665	39800	40444
UN67983	Rsa1.0.03223.1	161	24512	7.00E-38	95	99	95 -	1	97	10852	10950
UN67984	Rsa1.0.17015.1	751	1953	2.00E-79	157	159	98 -	429	587	1	159
UN67985	Rsa1.0.00363.1	686	90968	0	671	692	96 -	2	686	64395	65080
UN67986	Rsa1.0.00204.1	765	109056	1.00E-122	240	246	97 +	1	246	56779	57024
UN67987	Rsa1.0.00502.1	796	204180	1.00E-18	102	120	85 -	377	490	184041	184160
UN67988	Rsa1.0.02231.1	467	33661	1.00E-125	267	280	95 -	2	281	27387	27666
UN67989	Rsa1.0.00554.1	770	150953	0	761	768	99 +	3	767	9043	9809
UN67990	Rsa1.0.03311.1	751	23850	1.00E-108	199	199	100 -	175	373	20177	20375
UN67991	Rsa1.0.00112.1	681	132199	1.00E-92	182	185	98 +	323	507	11275	11459
UN67992	Rsa1.0.00322.1	415	212233	0	413	414	99 +	2	415	207154	207567
UN67993	Rsa1.0.00938.1	591	193891	0	584	585	99 -	7	591	55432	56016
UN67994	Rsa1.0.02121.1	767	34813	1.00E-174	324	329	98 -	1	329	9612	9940
UN67995	Rsa1.0.00187.1	311	393093	1.00E-62	169	185	91 -	32	205	49507	49691
UN67996	Rsa1.0.01656.1	714	41494	0	471	487	96 -	114	600	7421	7907
UN67997	Rsa1.0.00439.1	754	142776	0	378	395	95 +	199	591	22542	22934
UN67998	Rsa1.0.00789.1	762	64233	1.00E-126	287	306	93 -	222	527	29721	30026
UN67999	Rsa1.0.01821.1	759	38798	0	746	766	97 +	3	754	23533	24298
UN68000	Rsa1.0.04478.1	637	17183	1.00E-128	241	244	98 +	383	626	2935	3178
UN68001	Rsa1.0.00289.1	646	98620	1.00E-95	202	210	96 -	437	646	27040	27249
UN68002	Rsa1.0.08001.1	729	8095	1.00E-172	553	635	87 +	9	636	5585	6172
UN68003	Rsa1.0.01695.1	689	40848	1.00E-152	356	384	92 +	55	435	5566	5936
UN68004	Rsa1.0.00092.1	507	659932	5.00E-91	191	198	96 +	189	386	187657	187854
UN68005	Rsa1.0.03169.1	647	24826	1.00E-111	216	220	98 -	71	290	17587	17806
UN68006	Rsa1.0.04281.1	699	18107	0	543	577	94 -	2	578	15672	16248
UN68007	Rsa1.0.02215.1	741	33822	0	353	355	99 +	230	584	26632	26986
UN68008	Rsa1.0.01660.1	338	41400	5.00E-90	201	208	96 -	134	338	35488	35695
UN68009	Rsa1.0.01516.1	521	44196	2.33E-156	334	356	93 -	1	347	25290	25644
UN68010	Rsa1.0.00906.1	762	178966	1.00E-100	185	185	100 -	60	244	122049	122233
UN68011	Rsa1.0.00476.1	783	280966	0	479	483	99 +	3	484	147042	147522
UN68012	Rsa1.0.15154.1	630	2792	1.00E-110	220	226	97 +	405	630	1556	1781
UN68013	Rsa1.0.06150.1	735	11614	0	687	717	95 +	3	714	9890	10606
UN68014	Rsa1.0.00511.1	606	78616	1.00E-104	242	263	92 +	2	246	76182	76444

UN68015	Rsa1.0_53620.1	662	425	1.00E-129	234	234	100 +	3	236	184	417
UN68016	Rsa1.0_00262.1	111	101906	2.00E-21	52	52	100 -	1	52	84576	84627
UN68017	Rsa1.0_03225.1	638	24500	0	622	639	97 +	1	638	17760	18398
UN68018	Rsa1.0_01403.1	129	46453	2.00E-59	125	128	97 +	2	129	24530	24657
UN68019	Rsa1.0_01475.1	695	45044	0	528	563	93 -	135	695	37224	37783
UN68020	Rsa1.0_02893.1	623	26999	1.00E-131	321	348	92 +	280	618	23925	24269
UN68021	Rsa1.0_02672.1	726	28884	0	432	456	94 -	17	462	13963	14417
UN68022	Rsa1.0_00423.1	714	86138	0	638	641	99 -	77	714	28874	29514
UN68023	Rsa1.0_00157.1	698	245832	0	657	694	94 -	8	698	20267	20946
UN68024	Rsa1.0_00069.1	120	403561	8.00E-37	99	102	97 +	22	120	100041	100142
UN68025	Rsa1.0_00045.1	697	328694	2.00E-97	190	193	98 +	501	693	166098	166290
UN68026	Rsa1.0_00136.1	566	122464	1.00E-132	242	243	99 +	1	243	13011	13253
UN68027	Rsa1.0_02780.1	290	27965	1.00E-102	216	225	96 +	4	228	21422	21646
UN68028	Rsa1.0_62288.1	590	368	2.33E-156	275	279	98 -	1	279	1	279
UN68029	Rsa1.0_00108.1	216	478491	2.00E-63	186	205	90 -	16	216	277583	277787
UN68030	Rsa1.0_02895.1	705	26979	0	690	706	97 +	1	705	13717	14420
UN68031	Rsa1.0_01081.1	777	499226	0	757	778	97 -	1	777	154639	155415
UN68032	Rsa1.0_02061.1	400	35487	1.00E-173	376	400	94 +	1	400	10671	11061
UN68033	Rsa1.0_27652.1	431	844	1.00E-110	330	372	88 +	7	370	396	767
UN68034	Rsa1.0_00714.1	731	67187	1.00E-141	255	255	100 +	1	255	14803	15057
UN68035	Rsa1.0_00141.1	782	121494	1.00E-116	213	213	100 -	3	215	1969	2181
UN68036	Rsa1.0_03065.1	386	25656	1.00E-177	370	387	95 +	1	386	16143	16529
UN68037	Rsa1.0_04611.1	414	16647	0	398	411	96 -	1	411	2646	3056
UN68038	Rsa1.0_00068.1	656	151813	1.00E-149	268	268	100 +	1	268	105261	105528
UN68039	Rsa1.0_00308.1	203	96915	2.00E-51	136	147	92 +	1	147	71249	71395
UN68040	Rsa1.0_08067.1	747	7962	1.00E-179	318	318	100 -	131	448	7564	7881
UN68041	Rsa1.0_00345.1	788	93226	0	560	562	99 -	227	788	57476	58037
UN68042	Rsa1.0_17122.1	591	1916	0	498	535	93 +	49	583	1383	1916
UN68043	Rsa1.0_07849.1	305	8425	1.00E-113	247	259	95 -	48	305	4508	4766
UN68044	Rsa1.0_46379.1	613	487	1.00E-120	234	239	97 +	1	239	14	252
UN68045	Rsa1.0_00351.1	769	413096	0	431	435	99 -	1	435	144912	145346
UN68046	Rsa1.0_00047.1	785	168582	1.00E-133	241	241	100 +	1	241	5976	6216
UN68047	Rsa1.0_00399.1	762	242951	0	412	434	94 +	194	621	79753	80180
UN68048	Rsa1.0_01168.1	298	153765	2.00E-70	144	147	97 +	152	298	44255	44401
UN68049	Rsa1.0_00773.1	831	64839	0	650	651	99 -	1	650	13672	14322
UN68050	Rsa1.0_02950.1	730	26506	6.00E-76	154	157	98 +	340	496	18424	18580
UN68051	Rsa1.0_00760.1	662	65267	2.00E-97	222	233	95 -	89	321	20398	20628
UN68052	Rsa1.0_03627.1	148	21658	3.00E-52	134	144	93 -	1	144	8063	8206
UN68053	Rsa1.0_14100.1	693	3809	0	347	347	100 +	347	693	1754	2100

UN68054	Rsa1.0.05162.1	660	14631	1.00E-160	356	374	95 +	3	376	10527	10895
UN68055	Rsa1.0.01263.1	684	49703	0	663	682	97 -	3	684	1842	2523
UN68056	Rsa1.0.00108.1	727	478491	0	720	732	98 +	2	727	80976	81707
UN68057	Rsa1.0.01042.1	231	293264	2.00E-82	179	187	95 +	1	187	141200	141386
UN68058	Rsa1.0.00194.1	653	110851	1.00E-112	230	236	97 +	3	238	100119	100351
UN68059	Rsa1.0.02362.1	730	32190	0	636	641	99 +	1	641	21885	22525
UN68060	Rsa1.0.02666.1	800	28915	0	676	680	99 +	1	678	7026	7705
UN68061	Rsa1.0.24195.1	613	1001	0	438	438	100 -	176	613	564	1001
UN68062	Rsa1.0.00644.1	662	136881	1.00E-137	265	271	97 -	309	579	46878	47148
UN68063	Rsa1.0.01511.1	176	44235	1.00E-30	89	96	92 -	79	174	29956	30051
UN68064	Rsa1.0.00059.1	554	159650	1.00E-147	296	304	97 +	1	303	131116	131418
UN68065	Rsa1.0.02384.1	763	31917	0	467	478	97 +	3	476	18046	18523
UN68066	Rsa1.0.14576.1	522	3250	0	340	345	98 +	163	505	1674	2018
UN68067	Rsa1.0.00223.1	724	106231	0	710	726	97 +	1	720	103357	104082
UN68068	Rsa1.0.03247.1	730	24371	1.00E-147	264	264	100 -	252	515	10721	10984
UN68069	Rsa1.0.00350.1	126	92346	2.00E-40	112	120	93 +	4	122	33792	33911
UN68070	Rsa1.0.00303.1	124	97468	6.00E-50	118	124	95 +	1	124	53191	53314
UN68071	Rsa1.0.00083.1	539	442773	0	521	540	96 -	3	537	319937	320476
UN68072	Rsa1.0.00017.1	456	752458	3.00E-52	178	202	88 -	139	334	578918	579116
UN68073	Rsa1.0.06715.1	132	10485	2.00E-40	114	124	91 -	9	132	3040	3163
UN68074	Rsa1.0.00630.1	206	71281	3.00E-84	188	198	94 +	1	198	30980	31177
UN68075	Rsa1.0.03594.1	666	21868	0	447	462	96 +	128	589	19676	20132
UN68076	Rsa1.0.32132.1	727	709	0	460	493	93 -	185	676	82	572
UN68077	Rsa1.0.02846.1	579	27338	1.00E-115	225	230	97 +	1	230	16589	16818
UN68078	Rsa1.0.01440.1	503	45807	0	485	497	97 +	1	496	30991	31487
UN68079	Rsa1.0.00612.1	661	72376	1.00E-112	221	226	97 +	378	603	62988	63213
UN68080	Rsa1.0.00387.1	498	495407	0	489	498	98 -	1	498	92507	93004
UN68081	Rsa1.0.06177.1	740	11561	0	385	388	99 -	1	387	10100	10487
UN68082	Rsa1.0.00725.1	423	66757	1.00E-117	222	225	98 +	197	421	24143	24367
UN68083	Rsa1.0.00376.1	870	90101	1.00E-131	290	307	94 +	17	314	33445	33747
UN68084	Rsa1.0.00140.1	580	121541	0	575	580	99 -	1	580	83637	84215
UN68085	Rsa1.0.03443.1	809	22917	0	800	803	99 +	1	803	3005	3807
UN68086	Rsa1.0.01190.1	815	194501	0	813	815	99 +	3	815	44518	45332
UN68087	Rsa1.0.00589.1	774	209965	1.00E-128	265	272	97 +	2	270	188601	188872
UN68088	Rsa1.0.00222.1	622	172263	2.00E-63	246	281	87 +	7	271	57565	57843
UN68089	Rsa1.0.06286.1	858	11307	0	783	842	92 -	14	843	6397	7213
UN68090	Rsa1.0.07834.1	704	8453	0	701	704	99 -	1	704	3134	3837
UN68091	Rsa1.0.00564.1	454	75428	7.00E-50	177	199	88 +	255	446	60824	61019
UN68092	Rsa1.0.03755.1	606	21000	0	598	606	98 +	1	606	9695	10300

UN68093	Rsa1.0_13747.1	150	4388	8.00E-50	121	128	94 +	1	128	1819	1946
UN68094	Rsa1.0_01510.1	846	44237	1.00E-172	386	408	94 -	1	399	21586	21990
UN68095	Rsa1.0_04141.1	673	18864	0	672	673	99 -	1	673	3654	4326
UN68096	Rsa1.0_00451.1	148	322533	1.00E-45	129	141	91 -	2	142	293104	293244
UN68097	Rsa1.0_01786.1	675	133324	1.00E-157	282	282	100 +	3	284	106761	107042
UN68098	Rsa1.0_00422.1	310	86144	2.00E-83	169	173	97 +	68	240	82981	83153
UN68099	Rsa1.0_00834.1	666	62600	5.00E-24	175	210	83 +	100	307	32003	32206
UN68100	Rsa1.0_00329.1	886	222544	1.00E-136	332	358	92 -	465	814	129584	129936
UN68101	Rsa1.0_05038.1	680	15057	0	674	681	98 -	1	680	3178	3858
UN68102	Rsa1.0_02446.1	746	31330	0	729	738	98 +	2	737	5053	5790
UN68103	Rsa1.0_00586.1	146	163802	5.00E-57	130	136	95 +	1	136	154598	154733
UN68104	Rsa1.0_00307.1	102	199003	4.00E-38	99	105	94 +	2	102	170971	171075
UN68105	Rsa1.0_08562.1	450	7193	2.00E-65	133	135	98 -	316	450	3820	3954
UN68106	Rsa1.0_00308.1	719	96915	0	358	363	98 +	357	719	46036	46398
UN68107	Rsa1.0_11424.1	778	5513	0	409	414	98 +	1	414	2881	3294
UN68108	Rsa1.0_00476.1	713	280966	0	589	638	92 -	1	635	157513	158130
UN68109	Rsa1.0_00699.1	815	184398	1.00E-153	328	344	95 -	1	343	177778	178113
UN68110	Rsa1.0_00472.1	804	398134	0	469	471	99 +	1	471	132352	132822
UN68111	Rsa1.0_00114.1	753	131330	0	331	332	99 +	3	334	43058	43389
UN68112	Rsa1.0_01827.1	733	143321	0	425	451	94 +	283	733	115693	116143
UN68113	Rsa1.0_03488.1	653	22556	1.00E-175	312	312	100 -	1	312	15224	15535
UN68114	Rsa1.0_01772.1	732	39557	1.00E-177	412	442	93 -	294	732	20728	21159
UN68115	Rsa1.0_00065.1	420	454616	5.00E-41	127	137	92 +	7	142	125039	125172
UN68116	Rsa1.0_02149.1	824	148330	3.00E-84	176	181	97 -	46	226	18416	18593
UN68117	Rsa1.0_00032.1	784	306326	1.00E-148	267	267	100 -	1	267	293778	294044
UN68118	Rsa1.0_10728.1	609	5745	1.00E-156	338	355	95 -	1	353	3	357
UN68119	Rsa1.0_00857.1	772	61904	1.00E-176	398	424	93 -	8	414	13855	14277
UN68120	Rsa1.0_02221.1	778	33796	0	430	447	96 -	332	778	3512	3955
UN68121	Rsa1.0_00213.1	474	108167	0	444	467	95 -	9	474	11190	11653
UN68122	Rsa1.0_00244.1	187	103590	2.00E-48	158	177	89 +	12	186	77072	77248
UN68123	Rsa1.0_04204.1	785	18470	0	612	613	99 -	2	614	4675	5287
UN68124	Rsa1.0_04397.1	485	17555	0	457	484	94 -	4	485	3257	3740
UN68125	Rsa1.0_00651.1	860	247766	1.00E-117	304	332	91 -	4	330	230335	230666
UN68126	Rsa1.0_04646.1	101	16541	6.00E-22	77	85	90 -	3	87	11467	11546
UN68127	Rsa1.0_01937.1	695	37147	1.00E-153	325	340	95 -	1	338	14633	14970
UN68128	Rsa1.0_02467.1	307	31141	1.00E-156	300	307	97 -	1	307	19002	19308
UN68129	Rsa1.0_53341.1	589	427	6.00E-88	168	169	99 -	208	376	147	315
UN68130	Rsa1.0_05353.1	873	14078	0	858	866	99 -	1	866	9482	10346
UN68131	Rsa1.0_02575.1	310	29944	1.00E-101	195	198	98 -	1	198	19483	19680

UN68132	Rsa1.0.00192.1	742	278200	0	493	493	100 -	2	494	238745	239237
UN68133	Rsa1.0.03701.1	357	21296	1.00E-145	337	360	93 -	1	357	10810	11169
UN68134	#	#	#	#	#	#	#	#	#	#	#
UN68135	Rsa1.0.00466.1	754	82132	0	742	771	96 +	1	754	63206	63975
UN68136	Rsa1.0.00191.1	448	316976	1.00E-171	331	340	97 +	1	340	197543	197882
UN68137	Rsa1.0.00518.1	794	78360	0	357	365	97 +	3	367	70437	70801
UN68138	Rsa1.0.01338.1	138	155644	2.00E-41	125	138	90 +	1	138	142226	142363
UN68139	Rsa1.0.02688.1	712	28644	1.00E-154	421	462	91 -	1	445	15709	16164
UN68140	Rsa1.0.05282.1	279	14270	1.00E-47	147	163	90 -	13	172	3899	4061
UN68141	Rsa1.0.00157.1	803	245832	0	766	803	95 -	1	803	47265	48064
UN68142	Rsa1.0.00157.1	722	245832	1.00E-164	368	391	94 -	1	388	54796	55175
UN68143	Rsa1.0.10297.1	587	5900	1.00E-168	303	304	99 -	284	587	1199	1502
UN68144	Rsa1.0.02431.1	285	31504	1.00E-143	279	285	97 +	1	285	17484	17767
UN68145	Rsa1.0.03871.1	863	20362	0	828	863	95 +	1	863	9763	10625
UN68146	#	#	#	#	#	#	#	#	#	#	#
UN68147	Rsa1.0.01803.1	840	173846	1.00E-150	319	332	96 -	513	840	146978	147309
UN68148	Rsa1.0.07952.1	425	8190	0	413	425	97 +	1	425	1273	1697
UN68149	Rsa1.0.02028.1	856	35857	1.00E-172	358	373	95 -	1	373	35011	35380
UN68150	Rsa1.0.04233.1	510	18379	7.00E-47	229	268	85 +	133	393	5423	5683
UN68151	Rsa1.0.00007.1	694	239325	1.00E-164	329	341	96 +	225	565	209156	209496
UN68152	Rsa1.0.01382.1	682	46877	0	330	330	100 -	1	330	6221	6550
UN68153	Rsa1.0.00224.1	609	327530	0	606	612	99 -	1	609	227795	228406
UN68154	Rsa1.0.00045.1	749	328694	1.00E-154	313	324	96 -	426	749	240536	240857
UN68155	Rsa1.0.00133.1	636	123768	1.00E-85	253	285	88 +	235	500	10775	11059
UN68156	Rsa1.0.00806.1	778	63674	0	565	568	99 -	1	568	4643	5210
UN68157	Rsa1.0.00581.1	798	163575	2.00E-97	230	244	94 -	93	336	35997	36237
UN68158	Rsa1.0.00064.1	740	240927	0	729	740	98 +	1	740	136675	137412
UN68159	Rsa1.0.02606.1	730	29635	2.00E-91	207	219	94 -	310	528	12984	13202
UN68160	Rsa1.0.05583.1	630	13268	0	625	632	98 +	1	630	6593	7224
UN68161	Rsa1.0.26227.1	250	900	1.00E-108	237	250	94 -	1	250	622	871
UN68162	Rsa1.0.00847.1	560	62270	0	374	385	97 -	96	477	50627	51011
UN68163	Rsa1.0.00149.1	659	305196	0	463	477	97 -	2	478	104054	104524
UN68164	Rsa1.0.00745.1	722	66067	0	721	722	99 -	1	722	20732	21453
UN68165	Rsa1.0.01457.1	721	45337	1.00E-103	249	270	92 +	167	424	6330	6596
UN68166	Rsa1.0.01824.1	572	38733	0	565	572	98 -	1	572	26423	26993
UN68167	Rsa1.0.06563.1	517	10765	6.00E-63	135	139	97 -	103	241	863	1001
UN68168	Rsa1.0.04649.1	526	16538	1.00E-156	334	350	95 +	1	350	10655	11001
UN68169	Rsa1.0.03036.1	724	25826	0	720	724	99 -	1	724	6163	6886
UN68170	Rsa1.0.00289.1	721	98620	0	514	516	99 +	206	721	86232	86747

UN68171	Rsa1.0.01561.1	617	43227	2.00E-84	165	167	98 -	377	543	26162	26328
UN68172	Rsa1.0.00259.1	218	163204	1.00E-120	218	218	100 -	1	218	3109	3326
UN68173	Rsa1.0.00550.1	569	210790	0	567	567	100 -	3	569	184310	184876
UN68174	Rsa1.0.00087.1	392	761073	0	380	393	96 -	1	392	568207	568599
UN68175	Rsa1.0.00207.1	293	248736	1.00E-129	280	294	95 -	1	293	4174	4467
UN68176	Rsa1.0.00630.1	617	71281	0	393	407	96 +	3	408	63737	64143
UN68177	Rsa1.0.14508.1	577	3318	0	500	500	100 -	1	500	489	988
UN68178	Rsa1.0.01771.1	346	172709	3.00E-54	117	120	97 +	227	346	5283	5402
UN68179	Rsa1.0.00049.1	125	167018	6.00E-41	115	125	92 +	1	125	138040	138164
UN68180	Rsa1.0.05409.1	643	13844	0	526	568	92 -	1	561	11143	11700
UN68181	Rsa1.0.08430.1	720	7367	1.00E-151	319	331	96 -	14	339	5277	5603
UN68182	Rsa1.0.00451.1	463	322533	1.00E-143	318	334	95 -	1	330	301659	301988
UN68183	Rsa1.0.04474.1	159	17191	2.00E-35	79	80	98 +	80	159	15616	15695
UN68184	Rsa1.0.07775.1	796	8594	1.00E-105	242	258	93 -	472	729	53	310
UN68185	Rsa1.0.00991.1	656	143101	0	489	518	94 -	4	507	34643	35157
UN68186	Rsa1.0.00551.1	811	76227	0	442	465	95 -	37	497	20659	21118
UN68187	Rsa1.0.08183.1	288	7775	1.00E-134	284	298	95 +	1	288	155	452
UN68188	Rsa1.0.00362.1	445	299497	0	440	445	98 -	1	445	283052	283496
UN68189	Rsa1.0.02335.1	702	32400	0	371	379	97 +	1	378	2167	2543
UN68190	Rsa1.0.00201.1	247	232851	1.00E-93	219	234	93 -	1	234	151820	152053
UN68191	Rsa1.0.02209.1	652	33873	1.00E-172	360	377	95 +	14	387	26581	26957
UN68192	Rsa1.0.00073.1	583	240924	0	580	583	99 +	1	583	119167	119749
UN68193	Rsa1.0.19994.1	567	1355	1.00E-167	304	306	99 +	1	306	1050	1355
UN68194	Rsa1.0.00940.1	411	179946	0	388	401	96 -	1	397	25552	25952
UN68195	Rsa1.0.00978.1	591	57739	1.00E-70	185	201	92 -	1	192	36456	36656
UN68196	Rsa1.0.00017.1	104	752458	3.00E-45	101	104	97 -	1	104	369232	369335
UN68197	Rsa1.0.02086.1	423	35198	0	418	425	98 -	1	423	14264	14688
UN68198	Rsa1.0.00268.1	810	101470	0	808	811	99 +	1	810	185	995
UN68199	Rsa1.0.00960.1	391	58199	1.00E-124	231	233	99 -	1	233	14176	14408
UN68200	Rsa1.0.03956.1	879	19872	0	829	832	99 -	3	833	6521	7352
UN68201	Rsa1.0.00157.1	741	245832	0	738	740	99 +	2	741	195679	196418
UN68202	Rsa1.0.00010.1	689	294827	1.00E-122	223	223	100 -	1	223	249	471
UN68203	Rsa1.0.02995.1	780	26163	0	404	404	100 +	1	404	19533	19936
UN68204	Rsa1.0.00255.1	246	204967	3.00E-72	211	236	89 -	1	229	171277	171512
UN68205	Rsa1.0.02947.1	123	26531	6.00E-47	101	103	98 -	21	123	6565	6667
UN68206	Rsa1.0.06455.1	122	10983	2.00E-53	118	122	96 +	1	122	103	224
UN68207	Rsa1.0.00114.1	718	131330	1.00E-142	365	399	91 +	4	392	42998	43388
UN68208	Rsa1.0.00926.1	334	195072	1.00E-139	257	259	99 -	1	259	158012	158270
UN68209	Rsa1.0.00482.1	698	81162	0	562	594	94 +	9	593	67441	68021

UN68210	Rsa1.0.01419.1	495	167402	2.33E-156	455	518	87 -	7	495	131002	131516
UN68211	Rsa1.0.03195.1	141	24673	7.00E-44	117	126	92 -	12	137	9351	9476
UN68212	Rsa1.0.00822.1	648	62891	0	438	447	97 +	1	447	42369	42813
UN68213	Rsa1.0.00640.1	212	70979	1.00E-104	207	212	97 +	1	212	16830	17041
UN68214	Rsa1.0.08115.1	236	7882	7.00E-39	97	102	95 -	1	102	1519	1620
UN68215	Rsa1.0.03624.1	377	21706	0	364	377	96 +	1	377	19731	20107
UN68216	Rsa1.0.16165.1	746	2260	0	467	504	92 -	2	488	593	1095
UN68217	Rsa1.0.00017.1	770	752458	0	339	341	99 -	1	341	711970	712310
UN68218	Rsa1.0.00775.1	732	64793	0	494	510	96 -	5	512	79	585
UN68219	Rsa1.0.00046.1	587	320315	0	577	587	98 -	1	587	47163	47746
UN68220	Rsa1.0.00067.1	334	415055	1.00E-130	307	329	93 -	10	334	170566	170894
UN68221	Rsa1.0.00348.1	857	92818	0	852	863	98 -	2	857	30153	31015
UN68222	Rsa1.0.00173.1	754	288743	1.00E-112	209	210	99 -	1	210	110413	110622
UN68223	Rsa1.0.02377.1	241	31994	1.00E-105	229	241	95 -	1	241	10289	10529
UN68224	Rsa1.0.01838.1	744	38500	1.00E-169	363	385	94 -	4	378	17537	17921
UN68225	Rsa1.0.08721.1	652	7000	1.00E-176	316	317	99 -	1	317	3050	3366
UN68226	Rsa1.0.09173.1	225	6582	5.00E-49	135	147	91 -	1	147	3328	3474
UN68227	Rsa1.0.02185.1	150	34150	7.00E-44	140	153	91 +	1	150	27262	27413
UN68228	Rsa1.0.02935.1	500	26621	2.00E-65	177	191	92 +	311	500	25753	25937
UN68229	Rsa1.0.00200.1	679	162016	6.00E-76	178	189	94 +	275	463	72130	72318
UN68230	Rsa1.0.01081.1	646	499226	0	327	327	100 -	1	327	331855	332181
UN68231	Rsa1.0.27037.1	392	868	1.00E-100	194	197	98 +	1	197	120	316
UN68232	Rsa1.0.00539.1	693	76926	1.00E-125	260	271	95 +	259	529	33152	33422
UN68233	Rsa1.0.01055.1	683	55466	0	681	685	99 +	1	683	15714	16398
UN68234	Rsa1.0.01739.1	180	40068	1.00E-64	168	181	92 -	1	180	38131	38311
UN68235	Rsa1.0.01923.1	324	37233	1.00E-132	275	287	95 +	9	295	18025	18311
UN68236	Rsa1.0.00168.1	718	115870	1.00E-156	289	292	98 +	13	304	57889	58180
UN68237	Rsa1.0.01586.1	271	42804	1.00E-121	256	268	95 +	1	268	28197	28464
UN68238	Rsa1.0.01076.1	667	54835	0	588	596	98 -	1	596	34438	35030
UN68239	Rsa1.0.00842.1	248	62493	1.00E-119	223	224	99 -	1	223	29546	29769
UN68240	Rsa1.0.00039.1	202	296927	1.00E-103	199	201	99 +	2	202	15812	16011
UN68241	Rsa1.0.00157.1	464	245832	1.00E-177	326	329	99 +	1	327	64094	64422
UN68242	Rsa1.0.03997.1	312	19652	7.00E-49	163	182	89 -	5	185	4171	4350
UN68243	Rsa1.0.00759.1	227	65465	6.00E-95	216	228	94 +	1	227	10857	11084
UN68244	Rsa1.0.05030.1	278	15088	1.00E-113	258	275	93 +	1	275	11097	11371
UN68245	Rsa1.0.03465.1	566	22700	0	455	456	99 +	1	456	15753	16208
UN68246	Rsa1.0.13143.1	169	4993	5.00E-79	149	149	100 +	1	149	728	876
UN68247	#	#	#	#	#	#	#	#	#	#	#
UN68248	Rsa1.0.00248.1	716	163568	1.00E-159	294	297	98 -	143	439	71990	72286

UN68249	Rsa1.0.00490.1	635	186713	0	524	525	99 +	1	525	180067	180591
UN68250	Rsa1.0.06412.1	740	11060	0	498	533	93 +	3	527	1003	1524
UN68251	Rsa1.0.00134.1	153	390219	9.00E-62	132	136	97 +	3	138	230406	230541
UN68252	Rsa1.0.00096.1	155	198773	2.00E-66	151	158	95 +	1	155	102199	102356
UN68253	Rsa1.0.05747.1	747	12749	2.33E-156	263	263	100 -	2	264	7193	7455
UN68254	Rsa1.0.01388.1	672	46741	0	401	402	99 +	1	402	40975	41376
UN68255	Rsa1.0.00037.1	466	307838	1.00E-128	251	257	97 -	1	257	281781	282037
UN68256	Rsa1.0.00414.1	548	202190	0	352	352	100 +	197	548	181977	182328
UN68257	Rsa1.0.00998.1	271	57168	3.00E-32	71	71	100 -	113	183	11548	11618
UN68258	Rsa1.0.00222.1	527	172263	0	482	525	91 -	3	527	127726	128248
UN68259	Rsa1.0.00277.1	487	100132	0	438	438	100 -	1	438	15157	15594
UN68260	Rsa1.0.00648.1	519	70351	0	402	407	98 -	1	407	31295	31701
UN68261	Rsa1.0.00407.1	115	191544	7.00E-31	71	72	98 +	1	72	166446	166517
UN68262	Rsa1.0.00302.1	759	97521	0	738	750	98 +	1	750	1304	2051
UN68263	Rsa1.0.02476.1	762	31063	0	752	760	98 +	3	762	23711	24470
UN68264	Rsa1.0.00135.1	727	178077	0	723	723	100 +	5	727	112559	113281
UN68265	Rsa1.0.00101.1	270	267193	4.00E-90	207	220	94 +	47	266	194777	194996
UN68266	Rsa1.0.00022.1	580	200461	0	573	580	98 -	1	580	104976	105552
UN68267	Rsa1.0.41025.1	267	547	2.00E-58	139	147	94 -	1	147	146	292
UN68268	Rsa1.0.00015.1	509	561803	1.00E-148	350	378	92 +	132	509	222002	222379
UN68269	Rsa1.0.02877.1	773	27049	0	769	775	99 +	1	773	23660	24434
UN68270	Rsa1.0.02663.1	279	169243	1.00E-138	269	277	97 +	3	279	158036	158304
UN68271	Rsa1.0.02433.1	618	158318	1.00E-136	249	250	99 +	277	526	129398	129647
UN68272	Rsa1.0.00079.1	708	606987	1.00E-136	246	246	100 +	1	246	40405	40650
UN68273	Rsa1.0.00702.1	764	67600	0	756	761	99 +	4	764	40983	41743
UN68274	Rsa1.0.02111.1	734	34913	1.00E-173	315	316	99 -	1	316	3011	3325
UN68275	Rsa1.0.26270.1	747	898	1.00E-40	86	86	100 +	624	709	315	400
UN68276	Rsa1.0.00661.1	830	213041	0	811	841	96 -	1	830	44820	45658
UN68277	Rsa1.0.00554.1	806	150953	0	784	791	99 +	9	798	37445	38234
UN68278	Rsa1.0.05381.1	111	13966	5.00E-47	107	111	96 +	1	111	116	226
UN68279	Rsa1.0.07657.1	181	8896	4.00E-52	167	184	90 -	1	181	3747	3930
UN68280	Rsa1.0.01520.1	671	44087	0	534	561	95 -	114	671	39978	40532
UN68281	Rsa1.0.04626.1	671	16611	1.00E-150	350	376	93 -	5	377	10443	10818
UN68282	Rsa1.0.04028.1	846	19493	0	844	852	99 +	1	846	14968	15819
UN68283	Rsa1.0.01704.1	195	40711	5.00E-92	189	195	96 -	1	195	5264	5458
UN68284	Rsa1.0.01803.1	736	173846	1.00E-117	265	281	94 -	151	431	34629	34906
UN68285	Rsa1.0.00690.1	795	140527	1.00E-178	316	316	100 -	1	316	53693	54008
UN68286	Rsa1.0.00139.1	642	357786	0	550	558	98 -	4	560	39167	39724
UN68287	Rsa1.0.00013.1	698	292129	1.00E-163	539	628	85 +	30	639	225214	225810

UN68288	Rsa1.0.05239.1	432	14410	1.00E-176	413	443	93 +	1	432	11688	12121
UN68289	Rsa1.0.00112.1	291	132199	1.00E-142	282	291	96 +	1	291	73015	73305
UN68290	Rsa1.0.01149.1	641	160459	1.00E-85	238	262	90 +	1	261	129745	129992
UN68291	Rsa1.0.05412.1	644	13836	0	562	562	100 +	1	562	552	1113
UN68292	Rsa1.0.00662.1	183	192183	6.00E-11	90	107	84 +	72	177	4988	5094
UN68293	Rsa1.0.09000.1	314	6719	1.00E-172	312	314	99 +	1	314	1284	1597
UN68294	Rsa1.0.00469.1	491	82084	1.00E-139	310	328	94 +	83	410	21641	21964
UN68295	Rsa1.0.00962.1	730	184909	1.00E-163	334	346	96 +	2	345	33632	33976
UN68296	Rsa1.0.00028.1	435	293984	0	423	431	98 +	5	435	282596	283026
UN68297	Rsa1.0.00302.1	248	97521	5.00E-46	136	150	90 -	7	156	44281	44430
UN68298	Rsa1.0.00090.1	501	273859	0	497	501	99 -	1	501	218789	219289
UN68299	Rsa1.0.03170.1	602	24824	0	600	603	99 +	1	602	12839	13441
UN68300	Rsa1.0.00048.1	604	167185	1.00E-76	183	193	94 +	49	241	105802	105991
UN68301	Rsa1.0.03425.1	852	23043	0	547	555	98 +	180	733	6605	7159
UN68302	Rsa1.0.00472.1	419	398134	1.00E-145	273	277	98 -	1	277	168065	168341
UN68303	Rsa1.0.04556.1	492	16864	1.00E-179	321	322	99 +	1	322	5620	5941
UN68304	Rsa1.0.03677.1	699	21430	0	515	516	99 -	184	699	14370	14885
UN68305	Rsa1.0.00064.1	331	240927	1.00E-160	323	336	96 -	2	331	43631	43966
UN68306	Rsa1.0.01230.1	641	50221	0	433	451	96 -	194	641	40987	41433
UN68307	Rsa1.0.01289.1	689	49181	2.33E-156	274	278	98 +	389	666	45931	46208
UN68308	Rsa1.0.00804.1	182	63726	4.00E-77	170	178	95 +	1	178	15916	16093
UN68309	Rsa1.0.17486.1	698	1817	0	544	580	93 -	111	690	428	1007
UN68310	Rsa1.0.01814.1	375	38917	1.00E-127	245	250	98 -	104	353	20940	21189
UN68311	Rsa1.0.00727.1	157	66724	2.00E-60	145	154	94 +	1	154	15758	15911
UN68312	Rsa1.0.00147.1	749	249503	0	516	524	98 +	1	524	155736	156259
UN68313	Rsa1.0.00648.1	406	70351	2.33E-156	296	310	95 +	1	297	31756	32065
UN68314	Rsa1.0.00093.1	691	214962	0	458	476	96 +	1	471	128422	128896
UN68315	Rsa1.0.01382.1	622	46877	0	617	620	99 +	3	622	23448	24067
UN68316	Rsa1.0.03598.1	246	21858	6.00E-89	225	245	91 +	1	239	13869	14113
UN68317	Rsa1.0.00100.1	701	249232	0	410	432	94 -	53	481	13427	13856
UN68318	Rsa1.0.07679.1	360	8811	1.00E-156	324	339	95 +	22	360	6087	6425
UN68319	Rsa1.0.00338.1	553	94109	1.00E-102	243	260	93 +	4	263	34865	35117
UN68320	Rsa1.0.00200.1	315	162016	1.00E-127	294	315	93 -	1	315	109112	109426
UN68321	Rsa1.0.05596.1	571	137912	0	535	547	97 +	26	571	127499	128045
UN68322	Rsa1.0.00251.1	865	303968	1.00E-156	282	283	99 -	1	283	127337	127619
UN68323	Rsa1.0.00062.1	858	299291	0	796	810	98 +	2	811	72654	73460
UN68324	Rsa1.0.00085.1	133	142226	1.00E-45	120	129	93 +	1	129	26830	26958
UN68325	Rsa1.0.03191.1	202	145762	5.00E-61	149	159	93 -	4	162	16325	16483
UN68326	Rsa1.0.00229.1	408	105471	1.00E-141	290	302	96 -	1	302	43350	43651

UN68327	Rsa1.0.00283.1	871	183797	0	456	457	99 +	1	457	183341	183797
UN68328	Rsa1.0.00119.1	721	467509	1.00E-125	230	231	99 +	1	231	6605	6835
UN68329	Rsa1.0.01414.1	140	149508	2.00E-50	116	121	95 -	1	121	115743	115863
UN68330	Rsa1.0.00110.1	763	132719	0	593	618	95 +	2	616	115084	115686
UN68331	Rsa1.0.00369.1	538	266462	1.00E-166	305	308	99 -	2	309	202809	203116
UN68332	Rsa1.0.04720.1	527	16237	0	342	344	99 +	1	344	13729	14072
UN68333	Rsa1.0.16367.1	728	2176	0	713	728	97 +	1	728	545	1269
UN68334	Rsa1.0.00368.1	580	90669	0	548	557	98 -	1	557	2637	3193
UN68335	Rsa1.0.00621.1	765	71840	1.00E-169	304	305	99 +	440	744	68110	68414
UN68336	Rsa1.0.00905.1	499	60110	1.00E-178	461	506	91 +	1	499	25166	25653
UN68337	Rsa1.0.02962.1	528	26419	0	528	528	100 +	1	528	11226	11753
UN68338	Rsa1.0.01289.1	639	49181	0	603	608	99 +	32	639	980	1587
UN68339	Rsa1.0.01159.1	629	52115	1.00E-141	286	295	96 -	1	294	32609	32899
UN68340	Rsa1.0.16738.1	593	2050	1.00E-169	332	342	97 -	252	593	611	952
UN68341	Rsa1.0.00971.1	358	57973	1.00E-145	281	287	97 -	1	285	48426	48712
UN68342	Rsa1.0.03603.1	582	21845	0	432	439	98 +	3	441	2410	2847
UN68343	Rsa1.0.00497.1	136	79830	9.00E-34	91	97	93 -	40	136	44138	44234
UN68344	Rsa1.0.12843.1	295	5104	3.00E-66	137	140	97 +	116	255	2834	2973
UN68345	Rsa1.0.01015.1	660	56752	0	445	472	94 -	31	496	7528	7996
UN68346	Rsa1.0.01495.1	649	44613	0	646	649	99 -	1	649	16326	16973
UN68347	Rsa1.0.02931.1	232	26654	2.00E-67	209	229	91 -	1	228	6220	6443
UN68348	Rsa1.0.00085.1	664	142226	1.00E-160	286	286	100 +	1	286	28447	28732
UN68349	Rsa1.0.01719.1	527	40388	0	512	527	97 +	1	527	16829	17355
UN68350	Rsa1.0.00941.1	324	58891	1.00E-125	298	320	93 -	1	319	44924	45234
UN68351	Rsa1.0.35513.1	201	637	1.00E-98	197	201	98 +	1	201	321	519
UN68352	Rsa1.0.58032.1	458	394	4.00E-91	179	182	98 +	71	252	4	185
UN68353	Rsa1.0.01263.1	676	49703	0	427	435	98 +	1	429	493	927
UN68354	Rsa1.0.00065.1	695	454616	0	583	591	98 -	98	688	235285	235875
UN68355	Rsa1.0.01307.1	195	48685	3.00E-84	185	194	95 +	2	195	47574	47767
UN68356	Rsa1.0.02593.1	428	29744	1.00E-153	339	360	94 -	1	355	12673	13024
UN68357	Rsa1.0.00107.1	710	431659	0	402	404	99 -	307	710	193562	193965
UN68358	Rsa1.0.01340.1	802	47805	3.00E-38	93	96	96 -	35	130	22412	22504
UN68359	Rsa1.0.03981.1	617	19724	0	409	415	98 -	203	617	15050	15464
UN68360	Rsa1.0.01244.1	214	50061	1.00E-115	213	214	99 +	1	214	47348	47561
UN68361	Rsa1.0.03355.1	703	23489	0	399	401	99 +	302	702	13517	13917
UN68362	Rsa1.0.00417.1	571	395068	1.00E-158	282	282	100 -	3	284	223890	224171
UN68363	Rsa1.0.01255.1	669	162921	0	438	442	99 +	1	441	157286	157727
UN68364	Rsa1.0.02221.1	752	33796	0	471	481	97 +	1	481	13181	13661
UN68365	Rsa1.0.20977.1	232	1248	1.00E-114	226	232	97 -	1	232	896	1127

UN68366	Rsa1.0.01964.1	701	36702	0	640	647	98 -	59	701	11337	11983
UN68367	Rsa1.0.47800.1	616	473	1.00E-156	282	283	99 -	283	565	1	283
UN68368	Rsa1.0.00662.1	630	192183	4.00E-86	209	222	94 -	6	227	53109	53328
UN68369	Rsa1.0.00706.1	382	291570	1.00E-117	266	282	94 -	98	379	33002	33273
UN68370	Rsa1.0.01662.1	301	41382	1.00E-153	296	302	98 -	1	301	25566	25867
UN68371	Rsa1.0.00354.1	592	232005	0	578	586	98 -	1	586	77297	77882
UN68372	Rsa1.0.07056.1	389	9969	1.00E-168	362	382	94 +	8	386	1782	2163
UN68373	Rsa1.0.03114.1	102	25318	1.00E-38	96	101	95 -	1	101	6778	6878
UN68374	Rsa1.0.02641.1	781	29191	1.00E-178	328	332	98 +	3	334	5567	5898
UN68375	Rsa1.0.00288.1	345	98659	1.00E-123	273	287	95 +	2	286	40832	41113
UN68376	Rsa1.0.02666.1	718	28915	1.00E-161	291	292	99 -	1	292	10002	10293
UN68377	Rsa1.0.00749.1	641	65933	0	518	537	96 -	1	537	29035	29571
UN68378	Rsa1.0.07614.1	669	9019	7.00E-97	183	184	99 +	479	662	6389	6572
UN68379	Rsa1.0.00913.1	641	59914	1.00E-127	234	235	99 -	3	237	12488	12722
UN68380	Rsa1.0.00953.1	749	145012	0	537	542	99 -	172	713	97250	97791
UN68381	Rsa1.0.00037.1	688	307838	9.00E-75	424	521	81 -	173	678	188632	189152
UN68382	Rsa1.0.02780.1	744	27965	1.00E-104	193	193	100 -	379	571	23179	23371
UN68383	Rsa1.0.03181.1	691	24763	1.00E-106	232	242	95 -	4	242	20075	20315
UN68384	Rsa1.0.52216.1	683	436	0	415	417	99 -	3	419	1	417
UN68385	Rsa1.0.00729.1	643	66690	0	616	641	96 +	3	643	55930	56557
UN68386	Rsa1.0.00404.1	734	87635	1.00E-113	221	224	98 +	385	608	40790	41012
UN68387	Rsa1.0.11741.1	698	5423	1.00E-143	278	285	97 -	414	698	4812	5096
UN68388	Rsa1.0.01896.1	773	37512	1.00E-137	275	283	97 +	3	284	22615	22897
UN68389	Rsa1.0.00436.1	305	85008	2.00E-49	109	112	97 +	47	158	32250	32361
UN68390	Rsa1.0.61010.1	547	376	2.00E-72	139	139	100 -	328	466	238	376
UN68391	Rsa1.0.03826.1	730	20614	0	563	564	99 +	6	569	293	855
UN68392	Rsa1.0.00741.1	568	66117	0	432	444	97 +	113	555	45664	46106
UN68393	Rsa1.0.00119.1	516	467509	1.00E-131	290	306	94 +	212	516	59939	60244
UN68394	Rsa1.0.00714.1	767	67187	8.00E-63	126	127	99 -	282	408	16801	16927
UN68395	Rsa1.0.06168.1	618	11580	1.00E-92	173	173	100 +	3	175	11252	11424
UN68396	Rsa1.0.00425.1	640	147080	0	639	641	99 +	1	640	83411	84051
UN68397	Rsa1.0.02895.1	762	26979	1.00E-175	318	320	99 -	3	322	18080	18399
UN68398	Rsa1.0.03884.1	729	20274	1.00E-147	306	319	95 +	204	519	18988	19306
UN68399	Rsa1.0.17937.1	767	1706	0	390	397	98 +	3	399	425	821
UN68400	Rsa1.0.02975.1	673	26322	1.00E-137	355	388	91 +	201	587	15690	16061
UN68401	Rsa1.0.02061.1	678	35487	0	663	683	97 -	2	678	11122	11804
UN68402	Rsa1.0.00821.1	376	62891	0	347	350	99 +	1	350	61416	61765
UN68403	Rsa1.0.03207.1	342	24604	0	338	338	100 -	3	340	14834	15171
UN68404	Rsa1.0.00084.1	146	142338	2.00E-65	138	142	97 -	1	142	93023	93164

UN68405	Rsa1.0.01380.1	209	155003	9.00E-32	121	138	87 +	7	144	32293	32430
UN68406	Rsa1.0.01695.1	241	40848	5.00E-49	154	171	90 +	70	239	9182	9352
UN68407	Rsa1.0.04334.1	612	17852	0	388	393	98 -	1	393	10356	10748
UN68408	Rsa1.0.00545.1	254	189649	1.00E-108	238	251	94 +	1	251	44764	45014
UN68409	Rsa1.0.00066.1	376	152418	0	366	374	97 -	2	375	45751	46123
UN68410	Rsa1.0.02040.1	485	35684	0	331	333	99 +	1	333	13744	14076
UN68411	Rsa1.0.05849.1	309	12425	1.00E-122	287	306	93 -	1	306	9139	9442
UN68412	Rsa1.0.02835.1	517	27491	1.00E-180	329	332	99 +	1	332	19068	19399
UN68413	Rsa1.0.00670.1	598	69371	0	555	573	96 +	6	578	33251	33823
UN68414	Rsa1.0.00720.1	591	66931	0	337	338	99 -	1	338	44727	45064
UN68415	Rsa1.0.00075.1	543	146680	0	479	493	97 +	54	543	27951	28443
UN68416	Rsa1.0.03406.1	685	23159	0	596	603	98 +	2	603	10440	11040
UN68417	Rsa1.0.00341.1	615	249309	1.00E-119	218	218	100 -	124	341	214488	214705
UN68418	Rsa1.0.00320.1	659	95784	0	543	577	94 -	5	569	9746	10315
UN68419	Rsa1.0.01590.1	721	42719	0	622	625	99 -	97	721	10147	10771
UN68420	Rsa1.0.00534.1	708	77361	0	474	489	96 -	143	630	40852	41334
UN68421	Rsa1.0.04588.1	795	16739	3.00E-75	156	160	97 +	112	271	14592	14751
UN68422	Rsa1.0.07471.1	669	9307	0	668	670	99 +	1	669	2790	3459
UN68423	Rsa1.0.00351.1	728	413096	0	569	600	94 +	18	607	142192	142783
UN68424	Rsa1.0.00047.1	640	168582	1.00E-144	262	263	99 -	242	504	9426	9688
UN68425	Rsa1.0.00399.1	768	242951	1.00E-128	232	232	100 -	3	234	82032	82263
UN68426	Rsa1.0.00021.1	580	263655	1.00E-179	333	338	98 +	9	346	80149	80486
UN68427	Rsa1.0.00453.1	640	83031	1.00E-110	236	246	95 +	26	265	79221	79466
UN68428	Rsa1.0.00017.1	752	752458	3.00E-62	137	142	96 +	313	454	578502	578643
UN68429	Rsa1.0.00341.1	762	249309	4.00E-68	154	160	96 -	524	682	126668	126827
UN68430	Rsa1.0.00630.1	620	71281	2.00E-90	178	181	98 -	212	392	32527	32707
UN68431	Rsa1.0.00170.1	280	179538	1.00E-68	135	136	99 -	145	280	23082	23217
UN68432	Rsa1.0.18966.1	791	1503	0	519	553	93 -	2	550	344	893
UN68433	Rsa1.0.13337.1	375	4908	0	359	368	97 +	2	367	4502	4869
UN68434	Rsa1.0.01105.1	637	53958	1.00E-107	197	197	100 +	80	276	10349	10545
UN68435	Rsa1.0.05030.1	445	15088	1.00E-161	321	331	96 -	115	445	10979	11308
UN68436	Rsa1.0.01097.1	336	173349	1.00E-90	207	217	95 -	126	336	16375	16590
UN68437	Rsa1.0.00030.1	750	250988	1.00E-104	229	240	95 -	9	248	198811	199044
UN68438	Rsa1.0.04526.1	557	16962	1.00E-120	267	281	95 -	273	549	10755	11035
UN68439	Rsa1.0.00166.1	818	240912	1.00E-174	354	364	97 +	431	789	208749	209112
UN68440	Rsa1.0.05056.1	732	14981	1.00E-132	257	263	97 -	356	618	8495	8757
UN68441	Rsa1.0.13950.1	686	4028	1.00E-135	271	280	96 -	407	686	2507	2786
UN68442	Rsa1.0.00193.1	705	194198	0	477	478	99 -	228	705	142601	143078
UN68443	Rsa1.0.01440.1	628	45807	0	330	333	99 -	3	335	32442	32774

UN68444	Rsa1.0.05316.1	798	14164	0	549	556	98 +	3	558	9311	9866
UN68445	Rsa1.0.00075.1	682	146680	0	657	691	95 +	1	680	140555	141245
UN68446	Rsa1.0.00332.1	596	94575	0	592	595	99 -	3	596	39584	40177
UN68447	Rsa1.0.00310.1	715	96852	0	341	347	98 +	232	578	19570	19916
UN68448	Rsa1.0.03007.1	729	26070	3.00E-87	199	210	94 +	3	209	13281	13490
UN68449	Rsa1.0.01230.1	707	50221	1.00E-92	229	246	93 -	1	244	24733	24975
UN68450	Rsa1.0.00497.1	773	79830	1.00E-119	221	222	99 -	400	621	34787	35008
UN68451	Rsa1.0.05162.1	511	14631	1.00E-171	364	383	95 -	1	380	11545	11927
UN68452	Rsa1.0.04379.1	744	17646	0	349	350	99 -	250	599	6861	7210
UN68453	Rsa1.0.22243.1	748	1138	0	484	493	98 +	2	493	597	1089
UN68454	Rsa1.0.00037.1	761	307838	0	371	376	98 -	2	374	255073	255448
UN68455	Rsa1.0.00828.1	777	62744	0	473	475	99 +	298	772	7600	8074
UN68456	Rsa1.0.00518.1	249	78360	4.00E-96	237	258	91 -	1	249	72002	72259
UN68457	Rsa1.0.00225.1	765	105892	0	697	705	98 +	59	762	53905	54609
UN68458	Rsa1.0.00997.1	668	57190	0	461	472	97 -	71	542	28191	28658
UN68459	Rsa1.0.02688.1	613	28644	0	567	607	93 +	2	607	13343	13929
UN68460	Rsa1.0.00084.1	774	142338	0	534	540	98 +	240	774	92431	92970
UN68461	Rsa1.0.00921.1	554	59599	1.00E-42	164	187	87 -	64	249	55224	55407
UN68462	Rsa1.0.03002.1	459	26107	2.00E-65	177	194	91 +	275	457	16508	16701
UN68463	Rsa1.0.05518.1	710	13459	1.00E-160	299	303	98 +	273	575	5054	5356
UN68464	Rsa1.0.02733.1	375	28354	1.00E-139	259	262	98 -	104	365	15590	15851
UN68465	Rsa1.0.01244.1	600	50061	1.00E-165	295	295	100 -	1	295	7137	7431
UN68466	Rsa1.0.00092.1	756	659932	1.00E-137	248	248	100 -	354	601	127591	127838
UN68467	Rsa1.0.00190.1	731	318240	0	696	699	99 +	36	731	94238	94936
UN68468	Rsa1.0.00116.1	715	365886	0	714	716	99 +	1	715	33299	34014
UN68469	Rsa1.0.00752.1	794	65756	0	400	420	95 +	306	720	35504	35920
UN68470	Rsa1.0.00974.1	730	57893	0	441	447	98 +	1	447	34943	35389
UN68471	Rsa1.0.05792.1	534	12612	0	518	534	97 -	1	534	8319	8852
UN68472	Rsa1.0.00020.1	766	283099	0	701	746	93 -	3	734	56472	57206
UN68473	Rsa1.0.11424.1	798	5513	1.00E-162	382	404	94 -	392	786	4345	4748
UN68474	Rsa1.0.01772.1	790	39557	0	373	390	95 +	99	488	18250	18630
UN68475	Rsa1.0.05679.1	731	12958	2.00E-88	175	178	98 -	266	443	2663	2840
UN68476	Rsa1.0.00201.1	665	232851	0	564	590	95 -	8	589	140499	141087
UN68477	Rsa1.0.00476.1	598	280966	1.00E-100	247	265	93 +	1	258	157065	157328
UN68478	Rsa1.0.04863.1	767	15687	1.00E-168	309	312	99 -	104	415	9909	10220
UN68479	Rsa1.0.00347.1	662	93048	0	600	673	89 +	3	658	65426	66065
UN68480	Rsa1.0.00423.1	696	86138	1.00E-161	312	320	97 -	353	672	72595	72914
UN68481	Rsa1.0.00204.1	714	109056	1.00E-119	277	292	94 +	423	704	93161	93451
UN68482	Rsa1.0.06306.1	762	11266	0	721	727	99 +	38	762	4238	4962

UN68483	Rsa1.0.00080.1	714	190437	4.00E-83	173	177	97 +	539	714	79633	79809
UN68484	Rsa1.0.02128.1	780	34758	3.00E-84	162	163	99 +	1	163	14455	14617
UN68485	Rsa1.0.02675.1	492	28852	6.00E-78	148	148	100 -	3	150	18163	18310
UN68486	Rsa1.0.00145.1	749	261008	0	402	404	99 +	346	749	232353	232756
UN68487	Rsa1.0.00068.1	693	151813	1.00E-120	232	236	98 -	287	522	107211	107446
UN68488	Rsa1.0.03078.1	751	25548	0	412	412	100 +	1	412	18318	18729
UN68489	Rsa1.0.00425.1	727	147080	0	692	697	99 +	31	727	927	1620
UN68490	Rsa1.0.02713.1	614	28470	1.00E-143	258	258	100 +	357	614	25281	25538
UN68491	Rsa1.0.00345.1	161	93226	3.00E-86	161	161	100 +	1	161	56976	57136
UN68492	Rsa1.0.05246.1	324	14393	1.00E-104	207	212	97 +	1	212	1785	1996
UN68493	Rsa1.0.00632.1	699	183777	0	687	693	99 -	2	693	324	1015
UN68494	Rsa1.0.00762.1	543	165246	0	504	546	92 +	3	543	33311	33843
UN68495	Rsa1.0.05689.1	727	12927	0	503	506	99 -	219	723	9800	10305
UN68496	Rsa1.0.00526.1	554	169279	1.00E-152	299	308	97 -	19	326	165759	166066
UN68497	Rsa1.0.00857.1	811	61904	0	580	600	96 +	3	595	11621	12220
UN68498	Rsa1.0.02221.1	650	33796	0	393	393	100 +	3	395	1774	2166
UN68499	Rsa1.0.04989.1	777	15217	1.00E-174	321	324	99 -	1	322	249	572
UN68500	Rsa1.0.00213.1	387	108167	1.00E-153	375	396	94 +	1	387	9553	9945
UN68501	Rsa1.0.00369.1	745	266462	2.00E-79	157	159	98 -	184	342	123834	123992
UN68502	Rsa1.0.00344.1	827	191774	1.00E-135	248	249	99 +	227	475	179312	179560
UN68503	Rsa1.0.15005.1	765	2897	1.00E-110	203	203	100 -	1	203	1948	2150
UN68504	Rsa1.0.04204.1	648	18470	0	460	461	99 +	3	463	1705	2165
UN68505	Rsa1.0.02015.1	762	36008	0	730	751	97 -	3	751	32059	32809
UN68506	Rsa1.0.00651.1	794	247766	0	736	760	96 +	4	759	229284	230028
UN68507	Rsa1.0.00472.1	553	398134	0	410	415	98 +	139	553	269377	269791
UN68508	Rsa1.0.09538.1	650	6301	1.00E-98	189	191	98 -	126	316	3126	3316
UN68509	Rsa1.0.04482.1	651	17175	0	331	334	99 +	311	644	6014	6347
UN68510	Rsa1.0.44554.1	691	505	1.00E-141	280	288	97 +	5	284	218	505
UN68511	Rsa1.0.00699.1	649	184398	0	530	538	98 +	100	637	176001	176538
UN68512	Rsa1.0.00472.1	643	398134	1.00E-109	213	216	98 -	429	643	133628	133843
UN68513	Rsa1.0.01827.1	529	143321	0	362	366	98 -	1	366	117315	117680
UN68514	Rsa1.0.02457.1	183	31208	6.00E-76	162	168	96 -	16	183	24130	24297
UN68515	Rsa1.0.00092.1	588	659932	1.00E-67	134	135	99 -	3	137	516709	516843
UN68516	Rsa1.0.00516.1	687	78417	0	581	595	97 +	98	685	73599	74193
UN68517	Rsa1.0.05353.1	616	14078	0	594	594	100 +	1	594	8632	9225
UN68518	Rsa1.0.00026.1	594	327835	2.33E-156	316	331	95 -	3	331	48784	49114
UN68519	Rsa1.0.01254.1	546	49801	0	467	489	95 -	58	543	13794	14282
UN68520	Rsa1.0.00001.1	812	363028	0	436	456	95 +	366	811	333079	333534
UN68521	Rsa1.0.00192.1	726	278200	1.00E-95	178	178	100 +	429	606	236791	236968

UN68522	Rsa1.0.03701.1	714	21296	0	578	600	96 +	2	601	9966	10564
UN68523	Rsa1.0.00472.1	748	398134	1.00E-134	264	267	98 -	440	703	6397	6663
UN68524	Rsa1.0.01447.1	674	45654	0	667	671	99 +	4	674	26233	26903
UN68525	Rsa1.0.07914.1	779	8294	1.00E-156	305	311	98 +	454	761	1896	2206
UN68526	Rsa1.0.03726.1	630	21160	1.00E-168	300	300	100 -	209	508	16329	16628
UN68527	Rsa1.0.02384.1	760	31917	0	529	531	99 -	4	534	20184	20714
UN68528	Rsa1.0.01166.1	730	51877	1.00E-157	282	282	100 +	2	283	5704	5985
UN68529	Rsa1.0.01331.1	736	47944	0	684	708	96 +	30	736	18448	19155
UN68530	Rsa1.0.02642.1	774	29181	0	435	445	97 +	333	774	13097	13541
UN68531	Rsa1.0.01412.1	496	46311	1.00E-133	289	304	95 +	195	496	2372	2666
UN68532	Rsa1.0.00527.1	809	77733	1.00E-133	312	327	95 -	488	805	36952	37278
UN68533	Rsa1.0.00223.1	725	106231	0	377	383	98 -	3	385	104386	104768
UN68534	Rsa1.0.00170.1	657	179538	0	354	360	98 -	295	654	145605	145964
UN68535	Rsa1.0.03247.1	695	24371	1.00E-126	249	253	98 +	224	476	10010	10260
UN68536	Rsa1.0.00360.1	640	91190	1.00E-144	317	332	95 +	2	332	46329	46658
UN68537	Rsa1.0.00286.1	614	98709	4.00E-49	144	158	91 -	296	450	26937	27094
UN68538	Rsa1.0.00180.1	464	114581	4.00E-88	216	230	93 +	238	461	24300	24529
UN68539	Rsa1.0.02386.1	774	31895	0	492	494	99 -	283	774	17417	17910
UN68540	Rsa1.0.01515.1	657	170864	0	640	662	96 -	2	657	150984	151645
UN68541	Rsa1.0.00873.1	401	61459	2.00E-56	115	116	99 -	71	186	13283	13398
UN68542	Rsa1.0.00201.1	636	232851	0	506	522	96 -	115	636	373	894
UN68543	Rsa1.0.00359.1	659	91256	0	453	470	96 +	190	659	76188	76657
UN68544	Rsa1.0.05641.1	705	13077	1.00E-174	327	333	98 -	132	464	12075	12407
UN68545	Rsa1.0.01883.1	642	37661	1.00E-113	231	239	96 -	1	239	25284	25522
UN68546	Rsa1.0.00231.1	613	105381	1.00E-127	271	284	95 +	4	287	25650	25930
UN68547	Rsa1.0.01359.1	692	47271	3.00E-93	174	174	100 +	222	395	17998	18171
UN68548	Rsa1.0.00323.1	699	159650	1.00E-136	249	250	99 -	450	699	58754	59003
UN68549	Rsa1.0.00816.1	789	403350	1.00E-151	299	308	97 +	2	309	250584	250891
UN68550	Rsa1.0.00235.1	784	154696	0	387	397	97 -	377	765	51326	51722
UN68551	Rsa1.0.06286.1	758	11307	0	738	744	99 +	3	742	5418	6161
UN68552	Rsa1.0.00559.1	805	190486	0	760	785	96 -	3	783	182195	182979
UN68553	Rsa1.0.02686.1	706	28666	2.00E-79	186	196	94 -	153	343	1235	1430
UN68554	Rsa1.0.00225.1	589	105892	0	324	324	100 -	2	325	62771	63094
UN68555	Rsa1.0.00949.1	489	58549	7.00E-84	245	270	90 -	207	467	15586	15851
UN68556	Rsa1.0.06006.1	772	11954	2.00E-14	61	66	92 -	620	685	2705	2769
UN68557	Rsa1.0.07834.1	765	8453	0	629	681	92 +	79	743	1685	2362
UN68558	Rsa1.0.03741.1	634	143933	1.00E-179	379	397	95 -	240	634	11179	11574
UN68559	Rsa1.0.00541.1	550	76863	0	489	498	98 +	49	546	13931	14426
UN68560	Rsa1.0.04141.1	731	18864	0	474	477	99 +	2	478	2750	3226

UN68561	Rsa1.0.01536.1	644	43747	0	329	330	99 -	315	644	19008	19337
UN68562	Rsa1.0.00564.1	634	75428	0	560	598	93 -	2	593	61870	62461
UN68563	Rsa1.0.00602.1	799	73302	0	787	802	98 +	3	793	35795	36596
UN68564	Rsa1.0.01111.1	744	53669	1.00E-134	252	255	98 -	3	257	35556	35810
UN68565	Rsa1.0.02558.1	585	30112	0	577	578	99 +	3	580	7161	7738
UN68566	Rsa1.0.00001.1	590	363028	1.00E-108	202	203	99 -	3	205	286871	287073
UN68567	Rsa1.0.00832.1	728	62622	1.00E-154	293	297	98 +	433	728	41378	41674
UN68568	Rsa1.0.49048.1	224	462	1.00E-120	222	223	99 +	2	224	199	421
UN68569	Rsa1.0.00282.1	124	177799	4.00E-51	105	106	99 -	19	124	6989	7094
UN68570	Rsa1.0.00303.1	842	97468	8.00E-48	101	102	99 -	295	396	40468	40569
UN68571	Rsa1.0.00385.1	630	89160	1.00E-161	381	416	91 +	152	567	5594	5987
UN68572	#	#	#	#	#	#	#	#	#	#	#
UN68573	Rsa1.0.00482.1	423	81162	1.00E-174	411	440	93 -	3	423	28107	28545
UN68574	Rsa1.0.05003.1	736	15172	2.00E-57	144	153	94 +	24	174	6749	6901
UN68575	Rsa1.0.05038.1	730	15057	0	717	730	98 +	3	730	2269	2998
UN68576	Rsa1.0.05282.1	684	14270	1.00E-180	541	615	87 +	27	641	2262	2876
UN68577	Rsa1.0.00157.1	711	245832	0	601	611	98 +	98	706	46172	46782
UN68578	Rsa1.0.00157.1	702	245832	4.00E-89	205	215	95 +	1	209	52109	52322
UN68579	Rsa1.0.07835.1	793	8453	4.00E-77	159	163	97 +	213	375	4944	5106
UN68580	Rsa1.0.10297.1	631	5900	0	628	629	99 +	4	631	266	894
UN68581	Rsa1.0.00381.1	721	89718	0	670	675	99 -	2	675	55578	56252
UN68582	Rsa1.0.00799.1	395	63918	1.00E-165	376	390	96 +	8	386	14240	14629
UN68583	Rsa1.0.03871.1	640	20362	0	482	503	95 -	45	547	10806	11306
UN68584	Rsa1.0.04989.1	293	15217	1.00E-163	291	291	100 +	3	293	1914	2204
UN68585	Rsa1.0.00266.1	652	163932	1.00E-111	219	224	97 +	426	649	9927	10150
UN68586	Rsa1.0.01071.1	718	166914	1.00E-135	261	264	98 -	457	718	25539	25802
UN68587	Rsa1.0.49718.1	747	456	1.00E-142	283	292	96 -	147	438	114	405
UN68588	Rsa1.0.02028.1	249	35857	1.00E-122	245	250	98 +	2	249	33845	34094
UN68589	Rsa1.0.00437.1	750	84879	3.00E-84	184	191	96 +	8	197	36681	36871
UN68590	Rsa1.0.00286.1	713	98709	0	386	399	96 +	316	713	37523	37920
UN68591	Rsa1.0.24740.1	770	969	1.00E-137	331	352	94 +	424	770	476	827
UN68592	Rsa1.0.00697.1	440	67913	1.00E-148	292	300	97 -	148	440	50802	51101
UN68593	Rsa1.0.00123.1	567	325650	0	555	567	97 +	1	567	107443	108009
UN68594	Rsa1.0.07902.1	382	8329	1.00E-10	59	67	88 +	223	289	2513	2579
UN68595	Rsa1.0.01183.1	738	51465	0	707	720	98 +	2	721	40934	41653
UN68596	Rsa1.0.00496.1	706	79834	0	504	506	99 -	180	684	30951	31456
UN68597	Rsa1.0.01235.1	776	50180	0	361	367	98 +	374	739	19036	19402
UN68598	Rsa1.0.02203.1	640	164532	1.00E-165	306	310	98 -	3	312	27488	27797
UN68599	Rsa1.0.01755.1	735	155581	0	684	716	95 -	1	713	145906	146621

UN68600	Rsa1.0.00898.1	726	202772	0	723	726	99 -	3	726	36850	37575
UN68601	Rsa1.0.23632.1	706	1036	0	484	491	98 +	212	701	1	490
UN68602	Rsa1.0.00382.1	798	251946	4.00E-74	154	158	97 -	421	578	35108	35265
UN68603	Rsa1.0.00085.1	831	142226	1.00E-128	235	236	99 -	387	622	62912	63147
UN68604	Rsa1.0.08011.1	797	8082	0	532	543	97 -	3	545	214	756
UN68605	Rsa1.0.00770.1	622	64900	1.00E-128	236	237	99 -	386	622	13526	13762
UN68606	Rsa1.0.00046.1	767	320315	0	470	471	99 +	3	473	45130	45599
UN68607	Rsa1.0.00067.1	569	415055	0	554	568	97 +	2	569	169879	170446
UN68608	Rsa1.0.00211.1	584	228189	1.00E-152	345	369	93 +	216	584	210007	210375
UN68609	Rsa1.0.00303.1	666	97468	0	609	628	96 -	40	666	54786	55413
UN68610	Rsa1.0.00083.1	175	442773	3.00E-71	168	178	94 +	1	175	319138	319315
UN68611	Rsa1.0.00416.1	722	86772	1.00E-153	274	274	100 +	261	534	79602	79875
UN68612	Rsa1.0.13353.1	159	4894	8.00E-78	156	159	98 +	1	159	4003	4161
UN68613	Rsa1.0.03201.1	615	157656	0	382	393	97 +	213	605	5523	5915
UN68614	Rsa1.0.00403.1	550	87701	0	410	414	99 +	133	546	25246	25656
UN68615	Rsa1.0.00150.1	351	154416	2.33E-156	263	263	100 +	3	265	93439	93701
UN68616	Rsa1.0.01382.1	524	46877	0	492	497	98 +	2	495	4782	5278
UN68617	Rsa1.0.00491.1	713	80219	0	574	604	95 +	115	710	60417	61017
UN68618	Rsa1.0.00045.1	761	328694	0	693	749	92 +	13	747	239637	240370
UN68619	Rsa1.0.03616.1	508	21756	1.00E-144	260	260	100 +	1	260	8105	8364
UN68620	Rsa1.0.02601.1	565	29654	0	558	569	98 +	3	565	3188	3756
UN68621	Rsa1.0.00056.1	731	332604	1.00E-178	344	348	98 +	388	731	108114	108461
UN68622	Rsa1.0.00195.1	212	251884	7.00E-82	154	154	100 -	3	156	249278	249431
UN68623	Rsa1.0.00411.1	747	86944	0	725	754	96 -	2	745	67045	67798
UN68624	Rsa1.0.06177.1	533	11561	1.00E-97	193	197	97 +	41	237	7982	8178
UN68625	Rsa1.0.00725.1	636	66757	0	595	660	90 -	2	635	24552	25207
UN68626	Rsa1.0.00376.1	635	90101	0	366	367	99 -	3	369	35939	36305
UN68627	Rsa1.0.00140.1	543	121541	1.00E-140	253	253	100 +	291	543	82594	82846
UN68628	Rsa1.0.02601.1	686	29654	0	569	601	94 +	3	594	3190	3790
UN68629	Rsa1.0.11366.1	485	5532	2.00E-93	194	200	97 -	286	485	2727	2923
UN68630	Rsa1.0.00369.1	725	266462	0	410	437	93 -	291	725	141723	142159
UN68631	Rsa1.0.01190.1	652	194501	0	523	523	100 -	4	526	47303	47825
UN68632	Rsa1.0.52522.1	640	433	0	386	402	96 -	132	533	32	433
UN68633	Rsa1.0.02771.1	587	28079	1.00E-17	104	123	84 +	459	581	15015	15137
UN68634	Rsa1.0.01523.1	715	43959	1.00E-125	231	232	99 +	3	234	24156	24387
UN68635	Rsa1.0.02069.1	829	35425	1.00E-98	198	203	97 -	78	280	4465	4667
UN68636	Rsa1.0.07259.1	565	9650	1.00E-125	230	231	99 -	240	470	4691	4921
UN68637	Rsa1.0.01352.1	607	47443	0	587	621	94 +	1	607	45377	45997
UN68638	Rsa1.0.10304.1	783	5896	1.00E-140	314	324	96 -	446	761	5545	5868

UN68639	Rsa1.0.00019.1	656	301669	1.00E-134	448	515	86 +	151	649	276628	277138
UN68640	Rsa1.0.01072.1	594	55068	0	337	337	100 -	14	350	36838	37174
UN68641	Rsa1.0.08721.1	728	7000	5.00E-67	161	170	94 +	150	319	558	726
UN68642	Rsa1.0.17498.1	703	1816	0	437	437	100 +	255	691	397	833
UN68643	Rsa1.0.00270.1	658	101236	1.00E-119	218	218	100 -	441	658	58203	58420
UN68644	Rsa1.0.00218.1	736	201480	0	558	569	98 +	159	726	147139	147698
UN68645	Rsa1.0.44363.1	755	507	1.00E-52	112	114	98 +	336	449	170	283
UN68646	Rsa1.0.01887.1	744	37564	1.00E-148	282	287	98 +	230	516	26172	26458
UN68647	Rsa1.0.11581.1	374	5466	1.00E-152	330	345	95 -	5	349	576	913
UN68648	Rsa1.0.00279.1	283	100039	1.00E-102	207	212	97 +	3	214	65494	65703
UN68649	Rsa1.0.52998.1	660	430	0	420	430	97 +	208	637	1	430
UN68650	Rsa1.0.00875.1	795	61371	1.00E-154	276	276	100 -	363	638	58714	58989
UN68651	Rsa1.0.00307.1	543	199003	8.00E-87	226	244	92 +	147	389	86697	86935
UN68652	Rsa1.0.00064.1	704	240927	1.00E-168	303	304	99 -	198	501	138892	139195
UN68653	Rsa1.0.02606.1	643	29635	1.00E-123	255	264	96 +	1	263	9303	9566
UN68654	Rsa1.0.01005.1	563	56967	0	448	454	98 -	1	454	5119	5572
UN68655	Rsa1.0.05583.1	798	13268	0	745	747	99 -	4	748	8351	9097
UN68656	Rsa1.0.01315.1	683	48361	0	472	504	93 +	196	683	29054	29557
UN68657	Rsa1.0.01910.1	743	37405	0	381	387	98 +	358	743	12141	12527
UN68658	Rsa1.0.02642.1	641	29181	0	613	640	95 +	2	641	24863	25502
UN68659	Rsa1.0.04307.1	793	18001	0	661	678	97 +	102	775	15471	16148
UN68660	Rsa1.0.00322.1	678	212233	0	429	432	99 -	125	554	208921	209352
UN68661	Rsa1.0.00122.1	745	265937	0	676	683	98 -	3	684	82121	82803
UN68662	Rsa1.0.01824.1	748	38733	0	477	478	99 +	192	669	25457	25934
UN68663	Rsa1.0.01094.1	608	167285	0	602	608	99 -	1	607	152036	152643
UN68664	Rsa1.0.00153.1	618	192931	0	451	474	95 +	145	618	132506	132976
UN68665	Rsa1.0.01696.1	737	301850	0	432	432	100 +	3	434	8674	9105
UN68666	Rsa1.0.03661.1	706	21513	0	617	630	97 +	1	630	19118	19747
UN68667	Rsa1.0.00002.1	712	601661	1.00E-135	291	305	95 -	406	710	398067	398360
UN68668	Rsa1.0.02922.1	624	26753	1.00E-140	281	289	97 -	294	581	12401	12689
UN68669	Rsa1.0.00608.1	774	172672	0	576	578	99 +	2	578	112785	113362
UN68670	Rsa1.0.00999.1	615	57162	0	575	575	100 +	1	575	37610	38184
UN68671	Rsa1.0.11525.1	626	5479	1.00E-156	483	551	87 +	76	626	4664	5214
UN68672	Rsa1.0.04641.1	622	268012	0	616	621	99 -	2	622	261849	262469
UN68673	Rsa1.0.04463.1	649	17247	3.00E-99	208	216	96 +	364	579	14698	14913
UN68674	Rsa1.0.00697.1	180	67913	3.00E-59	156	168	92 +	2	169	62632	62798
UN68675	Rsa1.0.00821.1	735	62891	1.00E-159	371	398	93 +	3	400	48931	49319
UN68676	Rsa1.0.00838.1	701	153820	1.00E-137	257	260	98 -	400	659	19805	20064
UN68677	Rsa1.0.14436.1	703	3393	0	498	506	98 -	200	703	2286	2791

UN68678	Rsa1.0.00380.1	611	89748	0	396	402	98 -	75	476	60162	60563
UN68679	Rsa1.0.00016.1	330	831256	1.00E-155	318	330	96 +	2	330	505743	506068
UN68680	Rsa1.0.00944.1	761	58733	2.00E-91	217	227	95 -	532	754	13045	13271
UN68681	Rsa1.0.00836.1	610	185968	0	454	466	97 +	6	471	168530	168989
UN68682	Rsa1.0.05595.1	631	13228	1.00E-108	199	199	100 -	153	351	10703	10901
UN68683	Rsa1.0.00089.1	402	406142	0	354	358	98 +	3	360	358374	358731
UN68684	Rsa1.0.04852.1	682	15712	0	401	407	98 +	277	682	7056	7460
UN68685	Rsa1.0.14143.1	777	3746	1.00E-80	156	157	99 +	121	277	221	377
UN68686	Rsa1.0.00067.1	663	415055	3.00E-96	220	233	94 -	66	295	140529	140761
UN68687	Rsa1.0.00521.1	641	78191	1.00E-168	299	299	100 -	343	641	71484	71782
UN68688	Rsa1.0.02642.1	654	29181	0	516	542	95 -	113	653	14615	15145
UN68689	Rsa1.0.00482.1	744	81162	0	413	430	96 -	316	738	68422	68851
UN68690	Rsa1.0.01419.1	380	167402	4.00E-97	194	198	97 +	183	380	130447	130641
UN68691	Rsa1.0.02406.1	610	145276	1.00E-168	315	320	98 -	3	322	29142	29461
UN68692	Rsa1.0.00026.1	769	327835	0	755	767	98 +	2	762	131887	132653
UN68693	Rsa1.0.01359.1	722	47271	0	488	488	100 +	3	490	5381	5868
UN68694	Rsa1.0.00520.1	662	78226	1.00E-172	315	318	99 +	345	662	31872	32189
UN68695	Rsa1.0.02798.1	408	27792	0	383	385	99 +	2	386	22171	22555
UN68696	Rsa1.0.00577.1	395	174827	6.00E-50	110	113	97 +	55	167	171111	171223
UN68697	Rsa1.0.00822.1	655	62891	0	419	443	94 -	85	526	43734	44160
UN68698	Rsa1.0.00825.1	560	62855	0	351	353	99 -	3	355	30541	30893
UN68699	Rsa1.0.08176.1	640	7786	0	628	640	98 +	2	640	7101	7740
UN68700	Rsa1.0.03624.1	630	21706	0	448	483	92 -	158	628	20438	20920
UN68701	Rsa1.0.03036.1	623	25826	0	622	622	100 +	2	623	5464	6085
UN68702	Rsa1.0.62848.1	611	365	0	365	365	100 -	23	387	1	365
UN68703	Rsa1.0.01564.1	631	43169	1.00E-112	240	252	95 -	21	266	38448	38699
UN68704	Rsa1.0.13119.1	589	5003	0	553	590	93 +	1	589	109	682
UN68705	Rsa1.0.01701.1	430	162121	1.00E-102	210	217	96 +	2	218	19746	19962
UN68706	Rsa1.0.00527.1	578	77733	1.00E-154	279	280	99 -	299	578	39966	40245
UN68707	Rsa1.0.00990.1	469	57445	1.00E-176	404	437	92 -	4	423	16633	17063
UN68708	Rsa1.0.00761.1	609	65133	1.00E-104	193	193	100 -	3	195	15552	15744
UN68709	Rsa1.0.01553.1	589	43379	4.00E-64	136	139	97 +	344	479	7679	7817
UN68710	Rsa1.0.00926.1	592	195072	1.00E-113	216	219	98 +	193	411	157290	157508
UN68711	Rsa1.0.00550.1	611	210790	0	466	466	100 +	130	595	183664	184129
UN68712	Rsa1.0.58512.1	297	391	1.00E-154	289	291	99 +	2	290	38	328
UN68713	Rsa1.0.01771.1	244	172709	1.00E-111	209	211	99 -	34	244	5848	6058
UN68714	Rsa1.0.00341.1	716	249309	0	680	715	95 +	3	716	113246	113957
UN68715	Rsa1.0.00289.1	316	98620	1.00E-127	238	239	99 -	3	240	89187	89425
UN68716	Rsa1.0.20352.1	550	1314	7.00E-78	151	152	99 -	399	550	1163	1314

UN68717	Rsa1.0.03896.1	666	20192	0	535	538	99 -	3	540	5161	5697
UN68718	Rsa1.0.00199.1	489	249604	1.00E-142	275	280	98 +	210	489	184536	184814
UN68719	Rsa1.0.06056.1	773	137271	1.00E-113	265	278	95 +	497	768	127496	127773
UN68720	Rsa1.0.00698.1	635	67816	1.00E-21	120	142	84 +	284	425	47009	47150
UN68721	Rsa1.0.00341.1	525	249309	1.00E-153	330	348	94 -	181	525	92237	92584
UN68722	Rsa1.0.00037.1	615	307838	1.00E-128	277	292	94 +	258	549	305125	305416
UN68723	Rsa1.0.04340.1	394	17831	3.00E-79	172	178	96 +	212	388	12977	13154
UN68724	Rsa1.0.02335.1	100	32400	2.00E-43	92	93	98 -	3	95	3772	3864
UN68725	Rsa1.0.00167.1	716	116000	3.00E-68	367	446	82 +	5	443	28365	28795
UN68726	Rsa1.0.07647.1	528	8942	0	425	426	99 -	3	428	726	1151
UN68727	Rsa1.0.08327.1	497	7534	4.00E-76	145	145	100 +	3	147	213	357
UN68728	Rsa1.0.00048.1	259	167185	1.00E-96	197	203	97 +	3	205	32179	32381
UN68729	Rsa1.0.02209.1	474	33873	1.00E-118	237	243	97 -	233	474	27461	27703
UN68730	Rsa1.0.09002.1	323	137863	1.00E-166	295	295	100 -	29	323	4827	5121
UN68731	Rsa1.0.00194.1	549	110851	1.00E-160	330	343	96 +	208	549	13143	13481
UN68732	Rsa1.0.00185.1	597	248445	1.00E-138	289	302	95 +	86	387	25464	25765
UN68733	Rsa1.0.02086.1	763	35198	0	746	766	97 +	2	763	12686	13446
UN68734	Rsa1.0.00147.1	126	249503	4.00E-54	123	127	96 +	1	126	241051	241177
UN68735	Rsa1.0.01099.1	769	158481	1.00E-152	304	314	96 -	336	643	44494	44804
UN68736	Rsa1.0.04552.1	451	16878	0	410	431	95 +	21	451	1987	2414
UN68737	Rsa1.0.00001.1	382	363028	1.00E-150	293	300	97 -	83	382	47836	48133
UN68738	Rsa1.0.00829.1	570	158305	1.00E-135	250	252	99 +	3	254	109607	109858
UN68739	Rsa1.0.00285.1	592	149638	1.00E-104	226	237	95 -	245	481	148534	148770
UN68740	Rsa1.0.02228.1	574	33688	0	382	389	98 -	188	574	16958	17344
UN68741	Rsa1.0.00310.1	552	96852	0	374	380	98 +	3	379	10897	11276
UN68742	Rsa1.0.00023.1	616	194764	0	611	615	99 -	2	616	39360	39974
UN68743	Rsa1.0.17420.1	672	1833	0	417	418	99 +	3	420	796	1213
UN68744	Rsa1.0.01081.1	330	499226	1.00E-114	209	209	100 +	3	211	327275	327483
UN68745	Rsa1.0.00595.1	287	341648	1.00E-154	282	284	99 -	4	287	143280	143563
UN68746	Rsa1.0.02515.1	605	30616	6.00E-88	177	181	97 +	90	270	7915	8095
UN68747	Rsa1.0.17237.1	331	1885	0	329	330	99 -	2	331	1376	1705
UN68748	Rsa1.0.00553.1	615	75983	3.00E-74	145	146	99 +	329	474	12359	12504
UN68749	Rsa1.0.00878.1	696	330303	0	659	684	96 -	23	693	303889	304569
UN68750	Rsa1.0.00085.1	489	142226	1.00E-109	210	213	98 -	272	484	26790	27002
UN68751	Rsa1.0.14705.1	724	3140	0	620	659	94 +	4	658	2492	3140
UN68752	Rsa1.0.03314.1	763	23804	0	762	767	99 -	1	763	1888	2654
UN68753	Rsa1.0.00296.1	712	97854	0	700	707	99 +	3	709	49662	50368
UN68754	Rsa1.0.05429.1	304	13781	1.00E-113	252	267	94 +	2	268	12260	12521
UN68755	Rsa1.0.00252.1	621	102760	0	507	508	99 -	114	621	94699	95206

UN68756	Rsa1.0.01853.1	665	147800	0	413	415	99 -	251	665	32904	33318
UN68757	Rsa1.0.45947.1	663	491	1.00E-112	215	218	98 +	232	449	274	491
UN68758	Rsa1.0.00369.1	689	266462	1.00E-170	312	315	99 +	56	370	201654	201968
UN68759	Rsa1.0.00040.1	763	324196	1.00E-112	209	210	99 -	3	212	289833	290042
UN68760	Rsa1.0.04720.1	626	16237	0	624	625	99 -	3	626	14580	15204
UN68761	Rsa1.0.07379.1	702	9492	1.00E-114	222	225	98 +	476	700	3308	3531
UN68762	Rsa1.0.01668.1	805	41299	1.00E-134	275	286	96 -	241	526	35533	35818
UN68763	Rsa1.0.00621.1	550	71840	0	539	549	98 +	2	550	15027	15574
UN68764	#	#	#	#	#	#	#	#	#	#	#
UN68765	Rsa1.0.00451.1	701	322533	0	341	343	99 -	357	698	148158	148500
UN68766	Rsa1.0.01979.1	732	36545	1.00E-159	300	305	98 -	300	604	7891	8195
UN68767	Rsa1.0.03860.1	720	20407	0	520	521	99 -	201	720	14070	14590
UN68768	Rsa1.0.04893.1	754	15572	1.00E-144	279	284	98 -	301	583	15289	15572
UN68769	Rsa1.0.00302.1	616	97521	2.00E-94	179	180	99 -	296	475	2321	2500
UN68770	Rsa1.0.02476.1	541	31063	0	514	540	95 -	8	541	24616	25155
UN68771	Rsa1.0.00116.1	724	365886	0	494	522	94 +	126	635	323627	324147
UN68772	Rsa1.0.04670.1	599	16453	1.00E-153	281	282	99 +	3	283	3403	3684
UN68773	Rsa1.0.00022.1	536	200461	1.00E-164	293	293	100 +	244	536	104497	104789
UN68774	Rsa1.0.01015.1	367	56752	1.00E-110	323	353	91 +	27	360	8793	9145
UN68775	Rsa1.0.02877.1	481	27049	0	477	480	99 -	2	481	24552	25031
UN68776	Rsa1.0.00763.1	707	65121	3.00E-84	165	167	98 -	284	450	60458	60624
UN68777	Rsa1.0.02663.1	690	169243	1.00E-122	229	231	99 -	195	425	159934	160164
UN68778	Rsa1.0.00259.1	669	163204	0	598	611	97 +	59	669	13784	14394
UN68779	Rsa1.0.00075.1	702	146680	4.00E-74	167	173	96 -	7	178	144258	144428
UN68780	Rsa1.0.00702.1	710	67600	0	438	441	99 -	3	440	43185	43625
UN68781	Rsa1.0.00051.1	261	258225	4.00E-87	246	274	89 +	1	261	106500	106770
UN68782	Rsa1.0.00661.1	624	213041	0	622	623	99 +	2	624	44151	44773
UN68783	Rsa1.0.00554.1	700	150953	0	679	699	97 -	2	700	39109	39803
UN68784	Rsa1.0.09910.1	670	6093	1.00E-141	322	344	93 +	22	365	258	598
UN68785	Rsa1.0.01236.1	467	50156	0	463	465	99 -	3	467	17782	18244
UN68786	Rsa1.0.05491.1	776	13554	7.00E-79	150	150	100 -	247	396	7717	7866
UN68787	Rsa1.0.01819.1	792	38834	1.00E-103	197	199	98 +	2	200	18602	18800
UN68788	Rsa1.0.00048.1	707	167185	0	592	594	99 -	115	707	107536	108129
UN68789	Rsa1.0.00308.1	665	96915	1.00E-131	294	313	93 -	50	362	71892	72204
UN68790	Rsa1.0.00812.1	735	63233	1.00E-105	204	206	99 -	127	332	2586	2790
UN68791	Rsa1.0.03425.1	755	23043	0	441	459	96 -	300	749	6701	7159
UN68792	#	#	#	#	#	#	#	#	#	#	#
UN68793	Rsa1.0.00161.1	701	116891	0	695	699	99 -	4	701	32535	33231
UN68794	Rsa1.0.00376.1	731	90101	1.00E-119	286	309	92 +	3	311	66483	66780

UN68795	Rsa1.0_04556.1	723	16864	1.00E-110	202	202	100 -	479	680	6805	7006
UN68796	Rsa1.0_14119.1	686	3785	0	333	333	100 -	353	685	1382	1714
UN68797	Rsa1.0_03677.1	566	21430	0	562	565	99 +	2	566	13708	14272
UN68798	Rsa1.0_07381.1	774	9488	0	768	774	99 -	3	774	4367	5137
UN68799	Rsa1.0_00064.1	602	240927	0	560	603	92 +	2	602	42407	42990
UN68800	Rsa1.0_01230.1	700	50221	0	677	696	97 +	5	700	40265	40957
UN68801	Rsa1.0_01289.1	628	49181	0	348	350	99 -	2	351	47751	48100
UN68802	Rsa1.0_00974.1	593	57893	2.00E-81	166	170	97 -	126	295	53552	53721
UN68803	Rsa1.0_00804.1	690	63726	0	364	366	99 -	326	690	16002	16367
UN68804	Rsa1.0_05217.1	693	142938	0	667	693	96 +	2	693	132489	133181
UN68805	Rsa1.0_03996.1	583	19654	1.00E-112	223	229	97 -	40	268	5560	5788
UN68806	Rsa1.0_00905.1	770	60110	1.00E-165	324	334	97 +	280	613	26186	26519
UN68807	Rsa1.0_09317.1	321	6459	1.00E-90	178	181	98 +	3	183	5026	5206
UN68808	Rsa1.0_00002.1	612	601661	1.00E-143	307	322	95 -	3	323	558227	558548
UN68809	Rsa1.0_00105.1	565	134138	1.00E-110	202	202	100 +	204	405	127152	127353
UN68810	Rsa1.0_00539.1	755	76926	1.00E-166	308	312	98 -	107	418	34343	34654
UN68811	Rsa1.0_01055.1	699	55466	0	341	343	99 -	3	345	17157	17499
UN68812	Rsa1.0_00678.1	584	193163	1.00E-128	232	232	100 +	353	584	23909	24140
UN68813	Rsa1.0_00890.1	604	323870	1.00E-133	241	241	100 +	364	604	172815	173055
UN68814	Rsa1.0_00195.1	733	251884	1.00E-120	253	263	96 -	3	261	219538	219797
UN68815	Rsa1.0_00119.1	695	467509	0	491	499	98 -	56	551	386218	386716
UN68816	Rsa1.0_00368.1	755	90669	0	327	329	99 +	3	331	756	1084
UN68817	Rsa1.0_01953.1	698	36881	5.00E-27	111	127	87 -	544	670	25166	25292
UN68818	Rsa1.0_01412.1	688	46311	1.00E-49	257	308	83 +	86	381	11273	11580
UN68819	Rsa1.0_00648.1	671	70351	0	589	598	98 -	3	600	32499	33095
UN68820	Rsa1.0_00213.1	637	108167	0	583	609	95 +	30	637	6711	7316
UN68821	Rsa1.0_00093.1	726	214962	0	408	415	98 -	3	414	130159	130573
UN68822	Rsa1.0_00094.1	722	139042	1.00E-113	232	239	97 +	5	243	37898	38134
UN68823	Rsa1.0_02428.1	592	31542	1.00E-140	292	305	95 -	167	471	17805	18109
UN68824	Rsa1.0_00223.1	636	106231	1.00E-178	370	384	96 -	256	636	42158	42541
UN68825	Rsa1.0_03598.1	346	21858	1.00E-169	336	348	96 -	1	342	13778	14125
UN68826	Rsa1.0_01959.1	486	36798	0	407	431	94 -	55	485	15631	16060
UN68827	Rsa1.0_03786.1	567	20879	1.00E-82	162	164	98 +	298	461	332	495
UN68828	Rsa1.0_33645.1	611	674	0	435	443	98 -	57	499	232	674
UN68829	Rsa1.0_00879.1	720	61297	0	450	454	99 -	63	516	30189	30642
UN68830	Rsa1.0_01364.1	663	47172	0	399	401	99 -	264	663	34059	34459
UN68831	Rsa1.0_01314.1	639	48365	0	637	638	99 -	2	639	44370	45007
UN68832	Rsa1.0_05596.1	206	137912	1.00E-108	204	206	99 -	1	206	128944	129149
UN68833	Rsa1.0_00410.1	674	86957	1.00E-160	290	291	99 +	384	674	28659	28949

UN68834	Rsa1.0_02701.1	580	28582	6.00E-60	202	229	88 -	60	286	15156	15384
UN68835	Rsa1.0_00621.1	788	71840	1.00E-114	212	213	99 -	48	260	69792	70004
UN68836	Rsa1.0_01506.1	797	44370	1.00E-107	203	205	99 -	80	284	27668	27872
UN68837	Rsa1.0_00415.1	741	86795	0	391	395	98 +	349	741	4549	4943
UN68838	Rsa1.0_02203.1	564	164532	1.00E-128	239	241	99 -	324	564	23778	24018
UN68839	Rsa1.0_02962.1	678	26419	3.00E-96	182	183	99 -	3	185	13318	13500
UN68840	Rsa1.0_00096.1	553	198773	0	461	461	100 -	2	462	103324	103784
UN68841	Rsa1.0_14690.1	650	3155	1.00E-180	326	328	99 -	1	328	1783	2110
UN68842	Rsa1.0_00100.1	582	249232	0	549	558	98 -	1	555	193427	193983
UN68843	Rsa1.0_01838.1	659	38500	0	565	598	94 +	60	648	26060	26657
UN68844	Rsa1.0_00037.1	545	307838	1.00E-144	259	259	100 +	1	259	280391	280649
UN68845	Rsa1.0_00414.1	634	202190	0	495	509	97 -	3	505	183769	184277
UN68846	Rsa1.0_01821.1	533	38798	0	507	518	97 +	2	519	23815	24332
UN68847	Rsa1.0_00128.1	587	228675	1.00E-158	336	353	95 +	1	350	68059	68411
UN68848	Rsa1.0_00222.1	798	172263	0	449	461	97 +	346	798	127409	127869
UN68849	Rsa1.0_05754.1	696	12731	3.00E-87	173	176	98 -	427	602	7362	7537
UN68850	Rsa1.0_19288.1	636	1451	0	432	448	96 +	189	636	1	448
UN68851	Rsa1.0_07498.1	495	9247	7.00E-78	175	184	95 +	130	313	1258	1441
UN68852	Rsa1.0_00782.1	728	64468	1.00E-95	205	214	95 -	334	547	20391	20604
UN68853	Rsa1.0_01604.1	190	42461	1.00E-89	182	187	97 +	2	188	39483	39669
UN68854	Rsa1.0_08149.1	734	7833	7.00E-85	219	239	91 -	28	264	6005	6229
UN68855	Rsa1.0_01098.1	401	54215	0	398	401	99 +	1	400	52503	52903
UN68856	Rsa1.0_01424.1	739	46139	0	737	741	99 +	1	739	40584	41323
UN68857	Rsa1.0_01860.1	565	38057	0	439	456	96 -	3	451	27561	28016
UN68858	Rsa1.0_00940.1	273	179946	2.00E-82	245	271	90 -	2	269	172689	172959
UN68859	Rsa1.0_01553.1	594	43379	1.00E-106	220	228	96 +	178	405	1774	2001
UN68860	Rsa1.0_04028.1	275	19493	1.00E-130	235	235	100 -	1	235	16717	16951
UN68861	Rsa1.0_00005.1	712	353093	1.00E-165	295	295	100 +	170	464	129277	129571
UN68862	Rsa1.0_00529.1	687	77487	1.00E-104	193	193	100 +	456	648	61254	61446
UN68863	Rsa1.0_00139.1	706	357786	1.00E-123	246	253	97 +	360	612	37342	37594
UN68864	Rsa1.0_05719.1	734	12836	0	413	413	100 -	1	413	11396	11808
UN68865	Rsa1.0_01203.1	569	50848	0	434	456	95 -	2	445	27749	28201
UN68866	Rsa1.0_05239.1	382	14410	1.00E-84	174	179	97 -	2	180	12900	13078
UN68867	Rsa1.0_01149.1	576	160459	1.00E-118	228	232	98 -	309	540	131080	131311
UN68868	Rsa1.0_15922.1	670	2358	0	477	490	97 +	1	490	1401	1890
UN68869	Rsa1.0_02392.1	714	152517	1.00E-161	300	304	98 -	286	589	10522	10825
UN68870	Rsa1.0_04346.1	718	17813	1.00E-157	322	329	97 -	394	716	14205	14533
UN68871	Rsa1.0_02330.1	570	32452	5.00E-51	106	107	99 -	359	465	20984	21090
UN68872	Rsa1.0_09629.1	584	6244	1.00E-167	328	338	97 +	3	340	5824	6161

UN68873	Rsa1.0.02331.1	737	32449	2.00E-85	161	161	100 +	3	163	6489	6649
UN68874	Rsa1.0.32339.1	652	704	1.00E-128	245	249	98 +	390	638	269	517
UN68875	Rsa1.0.07756.1	750	8634	1.00E-125	248	251	98 +	498	745	4717	4967
UN68876	Rsa1.0.00621.1	558	71840	0	339	339	100 +	3	341	34749	35087
UN68877	Rsa1.0.00556.1	316	207212	1.00E-121	270	284	95 -	34	316	179365	179646
UN68878	Rsa1.0.01013.1	702	56822	1.00E-107	245	261	93 -	214	474	46905	47165
UN68879	Rsa1.0.02429.1	268	31527	2.00E-86	177	182	97 +	85	266	11644	11825
UN68880	Rsa1.0.00085.1	163	142226	1.00E-61	144	148	97 +	19	163	49282	49429
UN68881	Rsa1.0.00088.1	632	141341	1.00E-132	245	247	99 +	359	605	7725	7971
UN68882	Rsa1.0.02698.1	505	28593	5.00E-88	171	173	98 -	1	173	2156	2328
UN68883	Rsa1.0.03415.1	287	23117	1.00E-121	275	288	95 +	3	287	17888	18174
UN68884	Rsa1.0.00049.1	589	167018	1.00E-130	299	318	94 -	2	319	79758	80072
UN68885	Rsa1.0.01193.1	782	51147	1.00E-112	206	206	100 -	183	388	31099	31304
UN68886	Rsa1.0.01827.1	746	143321	1.00E-163	336	350	96 -	342	691	131817	132163
UN68887	Rsa1.0.01113.1	731	53616	0	388	388	100 -	1	388	22746	23133
UN68888	Rsa1.0.03574.1	561	22004	0	542	559	96 +	3	561	7024	7582
UN68889	Rsa1.0.00224.1	602	327530	0	373	383	97 -	222	599	178814	179196
UN68890	Rsa1.0.01321.1	640	48248	1.00E-139	260	263	98 +	372	634	8206	8468
UN68891	Rsa1.0.15425.1	699	2612	1.00E-131	453	522	86 +	178	697	1419	1940
UN68892	Rsa1.0.00090.1	640	273859	0	606	634	95 +	3	636	217656	218286
UN68893	Rsa1.0.07208.1	786	9719	0	396	396	100 -	10	405	8618	9013
UN68894	Rsa1.0.01235.1	746	50180	0	417	425	98 +	323	746	19036	19460
UN68895	Rsa1.0.15242.1	686	2734	1.00E-134	271	279	97 +	3	281	2038	2315
UN68896	Rsa1.0.14371.1	708	3465	0	429	435	98 -	3	437	1336	1770
UN68897	Rsa1.0.01184.1	788	51452	5.00E-98	182	182	100 +	409	590	50303	50484
UN68898	Rsa1.0.03207.1	621	24604	0	617	620	99 +	2	621	13898	14517
UN68899	Rsa1.0.03264.1	668	145959	1.00E-73	141	141	100 +	405	545	126532	126672
UN68900	Rsa1.0.04126.1	808	18939	1.00E-177	347	357	97 -	5	361	15535	15888
UN68901	Rsa1.0.01380.1	777	155003	2.00E-79	323	376	85 -	2	362	32983	33356
UN68902	Rsa1.0.02792.1	580	27829	0	578	580	99 +	3	580	21278	21857
UN68903	Rsa1.0.01632.1	676	181224	1.00E-123	231	233	99 +	162	394	17769	18001
UN68904	Rsa1.0.01076.1	752	54835	1.00E-132	281	295	95 +	458	752	33834	34128
UN68905	Rsa1.0.01269.1	400	49622	0	378	391	96 -	2	389	32632	33022
UN68906	Rsa1.0.00842.1	791	62493	1.00E-147	264	264	100 +	3	266	27679	27942
UN68907	Rsa1.0.46955.1	709	481	1.00E-165	300	302	99 -	57	358	1	302
UN68908	Rsa1.0.00157.1	608	245832	1.00E-157	284	285	99 -	232	516	66380	66664
UN68909	Rsa1.0.02360.1	671	32203	0	420	441	95 -	40	475	24666	25100
UN68910	Rsa1.0.00977.1	336	198001	0	335	335	100 +	2	336	181429	181763
UN68911	Rsa1.0.02365.1	728	32118	1.00E-129	329	358	91 +	3	357	11077	11420

UN68912	Rsa1.0_03465.1	813	22700	0	794	825	96 -	3	813	16927	17751
UN68913	Rsa1.0_10764.1	743	5726	1.00E-61	124	125	99 -	143	267	3885	4009
UN68914	Rsa1.0_13143.1	760	4993	1.00E-112	224	230	97 -	70	299	2578	2807
UN68915	Rsa1.0_01566.1	687	43134	0	568	603	94 -	51	635	34060	34658
UN68916	Rsa1.0_26487.1	695	890	1.00E-100	186	186	100 -	277	462	363	548
UN68917	Rsa1.0_25169.1	649	948	1.00E-101	234	248	94 +	3	247	305	545
UN68918	Rsa1.0_01270.1	219	49574	4.00E-25	170	201	84 -	2	189	29228	29419
UN68919	Rsa1.0_07458.1	566	9352	1.00E-116	212	212	100 +	318	529	2821	3032
UN68920	Rsa1.0_02099.1	534	35030	1.00E-121	220	220	100 +	3	222	548	767
UN68921	Rsa1.0_00019.1	581	301669	1.00E-79	163	167	97 -	308	474	113991	114157
UN68922	Rsa1.0_00066.1	701	152418	0	687	702	97 +	2	701	44256	44957
UN68923	Rsa1.0_00105.1	125	134138	2.00E-34	110	118	93 +	2	117	447	563
UN68924	Rsa1.0_00017.1	668	752458	1.00E-138	289	300	96 -	3	294	240609	240908
UN68925	Rsa1.0_19310.1	723	1449	4.00E-83	160	161	99 -	286	446	100	260
UN68926	Rsa1.0_01842.1	256	38430	1.00E-125	250	255	98 -	4	256	7170	7424
UN68927	Rsa1.0_00133.1	311	123768	2.00E-64	176	185	95 -	127	305	11763	11947
UN68928	Rsa1.0_05849.1	560	12425	5.00E-45	117	125	93 +	278	402	7718	7842
UN68929	Rsa1.0_00329.1	619	222544	1.00E-169	336	347	96 +	260	603	186853	187199
UN68930	Rsa1.0_00003.1	633	340054	0	565	571	98 +	64	633	167532	168102
UN68931	Rsa1.0_00169.1	777	274298	1.00E-49	107	109	98 +	567	675	30327	30435
UN68932	Rsa1.0_01289.1	116	49181	1.00E-51	113	115	98 -	3	116	2652	2766
UN68933	Rsa1.0_00855.1	656	62047	0	419	434	96 +	2	426	54390	54823
UN68934	Rsa1.0_01159.1	331	52115	9.00E-67	141	145	97 +	23	167	31460	31604
UN68935	Rsa1.0_01154.1	728	52249	1.00E-123	260	271	95 -	3	273	11404	11671
UN68936	Rsa1.0_09000.1	623	6719	0	493	493	100 -	131	623	1638	2130
UN68937	Rsa1.0_00108.1	742	478491	0	390	404	96 -	292	694	73383	73786
UN68938	Rsa1.0_01062.1	779	55325	1.00E-176	331	337	98 -	58	394	52193	52529
UN68939	Rsa1.0_00009.1	632	232558	0	455	492	92 -	69	548	95113	95598
UN68940	Rsa1.0_01866.1	229	37961	1.00E-121	226	228	99 -	2	229	36822	37049
UN68941	Rsa1.0_00104.1	606	368722	1.00E-106	218	224	97 -	380	603	74354	74576
UN68942	Rsa1.0_02396.1	460	31783	0	330	331	99 +	4	333	14406	14736
UN68943	Rsa1.0_04489.1	661	17145	1.00E-64	208	231	90 +	3	228	12676	12899
UN68944	Rsa1.0_00101.1	815	267193	0	466	475	98 +	348	815	3820	4294
UN68945	Rsa1.0_03955.1	674	19884	0	413	415	99 +	260	674	8523	8937
UN68946	Rsa1.0_00042.1	301	171507	1.00E-102	259	283	91 -	20	286	158252	158533
UN68947	Rsa1.0_00726.1	676	66734	0	674	676	99 +	2	676	2956	3631
UN68948	Rsa1.0_06715.1	758	10485	1.00E-111	246	259	94 +	357	612	2461	2719
UN68949	Rsa1.0_16738.1	138	2050	9.00E-68	136	138	98 +	1	138	204	341
UN68950	Rsa1.0_03075.1	766	25560	7.00E-85	239	255	93 +	493	738	14646	14900

UN68951	Rsa1.0_00094.1	282	139042	1.00E-135	273	279	97 +	4	279	4643	4921
UN68952	Rsa1.0_01504.1	358	189978	1.00E-172	343	352	97 +	2	353	31620	31966
UN68953	Rsa1.0_03603.1	546	21845	1.00E-60	119	119	100 -	205	323	4018	4136
UN68954	Rsa1.0_00744.1	502	66084	1.00E-113	299	327	91 -	38	363	58901	59225
UN68955	Rsa1.0_00008.1	686	358124	0	629	638	98 +	47	683	180648	181285
UN68956	Rsa1.0_08741.1	404	6977	1.00E-148	307	317	96 +	58	371	5818	6134
UN68957	#	#	#	#	#	#	#	#	#	#	#
UN68958	Rsa1.0_00734.1	517	66508	0	375	376	99 +	1	376	14396	14771
UN68959	Rsa1.0_01958.1	668	261128	1.00E-110	208	210	99 -	294	503	258633	258842
UN68960	Rsa1.0_00085.1	297	142226	1.00E-87	167	168	99 -	2	169	31612	31779
UN68961	Rsa1.0_01719.1	770	40388	1.00E-153	397	431	92 -	334	758	17275	17702
UN68962	Rsa1.0_00111.1	457	390088	1.00E-138	255	257	99 +	3	259	75016	75272
UN68963	Rsa1.0_00476.1	562	280966	7.00E-75	149	151	98 -	243	393	34390	34540
UN68964	Rsa1.0_00083.1	591	442773	6.00E-91	173	174	99 +	410	583	392478	392651
UN68965	Rsa1.0_03282.1	732	24107	0	494	508	97 -	226	728	10685	11192
UN68966	Rsa1.0_00342.1	714	93695	1.00E-142	268	272	98 -	3	274	43463	43734
UN68967	Rsa1.0_00107.1	281	431659	1.00E-111	218	220	99 +	64	281	192977	193196
UN68968	Rsa1.0_20346.1	536	1314	1.00E-103	230	242	95 -	3	240	215	454
UN68969	Rsa1.0_02024.1	712	149168	1.00E-111	265	284	93 +	3	283	134273	134553
UN68970	Rsa1.0_20111.1	244	1340	3.00E-75	146	147	99 -	2	148	1136	1282
UN68971	Rsa1.0_00641.1	779	208241	0	356	365	97 +	328	691	5190	5554
UN68972	Rsa1.0_01244.1	203	50061	5.00E-98	188	189	99 -	3	190	48095	48283
UN68973	Rsa1.0_00369.1	267	266462	1.00E-104	197	199	98 +	62	260	136397	136595
UN68974	Rsa1.0_02876.1	672	27062	0	540	558	96 +	2	559	5264	5821
UN68975	Rsa1.0_01255.1	608	162921	0	346	351	98 -	111	461	160797	161147
UN68976	Rsa1.0_02221.1	249	33796	4.00E-68	155	159	97 -	94	249	14783	14941
UN68977	Rsa1.0_02171.1	476	167557	0	462	478	96 +	2	476	10039	10516
UN68978	Rsa1.0_03209.1	161	24592	2.00E-59	150	156	96 -	4	155	20657	20812
UN68979	Rsa1.0_00662.1	345	192183	1.00E-124	310	334	92 +	3	333	51397	51720
UN68980	Rsa1.0_04488.1	420	17155	0	380	392	96 +	29	420	13641	14032
UN68981	Rsa1.0_01662.1	295	41382	1.00E-157	294	296	99 +	2	295	25285	25580
UN68982	Rsa1.0_05648.1	571	13049	0	375	383	97 -	191	571	11506	11888
UN68983	#	#	#	#	#	#	#	#	#	#	#
UN68984	Rsa1.0_02139.1	541	34686	2.00E-99	202	207	97 -	40	246	26074	26278
UN68985	Rsa1.0_00524.1	373	169613	3.00E-67	267	306	87 +	3	297	153403	153694
UN68986	Rsa1.0_01388.1	673	46741	1.00E-134	248	250	99 +	211	460	6365	6614
UN68987	Rsa1.0_31408.1	748	728	0	711	713	99 -	2	713	16	728
UN68988	Rsa1.0_00123.1	711	325650	1.00E-117	279	301	92 -	2	289	182368	182665
UN68989	Rsa1.0_01018.1	799	56685	2.00E-66	146	149	97 +	653	799	54766	54914

UN68990	Rsa1.0_00751.1	690	65759	1.00E-70	145	148	97 -	502	649	39663	39810
UN68991	Rsa1.0_01083.1	203	54617	4.00E-37	88	91	96 -	56	146	4739	4829
UN68992	Rsa1.0_00359.1	719	91256	0	434	455	95 -	30	484	84690	85135
UN68993	Rsa1.0_01194.1	769	51113	0	742	768	96 +	2	769	26456	27205
UN68994	Rsa1.0_05680.1	818	12958	1.00E-106	347	396	87 +	422	814	8783	9175
UN68995	Rsa1.0_06213.1	147	11478	9.00E-59	139	147	94 -	1	147	7678	7824
UN68996	Rsa1.0_00558.1	514	75819	1.00E-177	380	402	94 +	1	396	52735	53136
UN68997	Rsa1.0_03247.1	468	24371	0	435	467	93 +	3	468	11683	12149
UN68998	Rsa1.0_14996.1	384	2904	0	369	384	96 +	1	384	2070	2450
UN68999	Rsa1.0_03911.1	449	20133	1.00E-153	309	318	97 +	2	318	15195	15506
UN69000	Rsa1.0_03238.1	371	24432	1.00E-139	342	368	92 -	1	365	4837	5200
UN69001	Rsa1.0_15352.1	603	2663	0	580	606	95 -	1	603	1408	2001
UN69002	Rsa1.0_01679.1	197	146876	2.00E-88	189	197	95 -	1	197	134697	134893
UN69003	Rsa1.0_00253.1	569	231292	1.00E-149	268	268	100 +	3	270	113245	113512
UN69004	Rsa1.0_00216.1	136	197563	4.00E-45	113	120	94 -	1	120	25108	25227
UN69005	Rsa1.0_00306.1	697	146760	1.00E-166	325	335	97 +	363	697	133202	133530
UN69006	Rsa1.0_01135.1	824	52799	0	393	397	98 -	33	429	40230	40626
UN69007	Rsa1.0_00425.1	559	147080	0	535	559	95 -	1	559	96401	96959
UN69008	Rsa1.0_02826.1	691	27560	1.00E-141	255	255	100 +	1	255	8736	8990
UN69009	Rsa1.0_00875.1	679	61371	0	650	691	94 -	3	675	37837	38526
UN69010	Rsa1.0_00023.1	637	194764	0	633	637	99 +	1	637	5040	5676
UN69011	Rsa1.0_21169.1	479	1228	1.00E-175	379	399	94 +	1	397	668	1066
UN69012	Rsa1.0_02492.1	466	30859	1.00E-108	277	298	92 -	1	297	12178	12471
UN69013	Rsa1.0_15387.1	706	2642	1.00E-144	319	334	95 +	1	332	2077	2407
UN69014	Rsa1.0_00003.1	698	340054	0	527	549	95 -	6	551	168580	169128
UN69015	Rsa1.0_00131.1	744	432233	0	499	504	99 -	244	744	387664	388167
UN69016	Rsa1.0_01510.1	789	44237	0	526	572	91 +	118	674	18824	19386
UN69017	Rsa1.0_00990.1	779	57445	0	535	563	95 -	219	779	6770	7330
UN69018	Rsa1.0_00788.1	803	64237	1.00E-111	244	253	96 +	558	803	33152	33404
UN69019	Rsa1.0_00009.1	781	232558	0	409	410	99 +	3	412	58860	59269
UN69020	Rsa1.0_00511.1	576	78616	0	403	415	97 +	162	576	77066	77480
UN69021	Rsa1.0_00107.1	752	431659	0	405	420	96 +	90	509	314543	314962
UN69022	Rsa1.0_01520.1	774	44087	0	757	777	97 -	3	774	8413	9187
UN69023	Rsa1.0_01066.1	654	55235	1.00E-101	200	204	98 +	417	620	49241	49444
UN69024	Rsa1.0_07466.1	671	9321	1.00E-140	337	363	92 -	3	362	1381	1743
UN69025	Rsa1.0_01360.1	597	47246	0	579	609	95 +	1	597	2473	3075
UN69026	Rsa1.0_00833.1	700	62621	0	408	429	95 -	231	656	24861	25282
UN69027	Rsa1.0_01628.1	581	41932	0	575	580	99 -	2	581	17525	18104
UN69028	Rsa1.0_26100.1	736	906	0	418	432	96 -	237	664	216	647

UN69029	Rsa1.0.00891.1	189	60724	6.00E-48	97	97	100 -	83	179	34520	34616
UN69030	Rsa1.0.00017.1	568	752458	1.00E-171	406	444	91 -	3	426	354538	354978
UN69031	Rsa1.0.01855.1	800	38204	0	500	523	95 -	278	796	15580	16102
UN69032	Rsa1.0.00015.1	788	561803	0	453	464	97 -	240	702	254126	254586
UN69033	Rsa1.0.01938.1	746	264018	0	438	450	97 -	246	693	159816	160265
UN69034	Rsa1.0.46943.1	609	481	1.00E-127	297	318	93 -	294	609	162	479
UN69035	Rsa1.0.09304.1	648	6469	0	505	505	100 -	144	648	5965	6469
UN69036	Rsa1.0.00009.1	728	232558	0	446	449	99 -	280	728	17452	17900
UN69037	Rsa1.0.01552.1	635	43396	1.00E-98	253	273	92 +	372	635	12725	12996
UN69038	Rsa1.0.01137.1	730	52655	1.00E-177	366	384	95 +	3	379	28812	29195
UN69039	Rsa1.0.02486.1	701	30965	1.00E-168	344	356	96 -	295	648	12167	12522
UN69040	Rsa1.0.08363.1	740	7474	0	692	716	96 +	32	740	2940	3655
UN69041	Rsa1.0.01112.1	797	310601	1.00E-103	218	226	96 +	5	230	174845	175064
UN69042	Rsa1.0.00096.1	573	198773	1.00E-102	230	244	94 +	35	278	171687	171924
UN69043	Rsa1.0.00472.1	589	398134	1.00E-17	110	131	83 -	355	485	309961	310091
UN69044	Rsa1.0.00300.1	605	97747	0	529	565	93 +	47	605	9952	10513
UN69045	Rsa1.0.00123.1	677	325650	1.00E-129	250	255	98 -	46	300	248527	248781
UN69046	Rsa1.0.01044.1	105	55861	2.00E-18	80	91	87 -	8	98	14500	14590
UN69047	Rsa1.0.06209.1	530	11484	5.00E-91	214	230	93 -	301	530	2499	2719
UN69048	Rsa1.0.00190.1	359	318240	1.00E-173	346	359	96 -	1	359	191844	192202
UN69049	Rsa1.0.02481.1	581	31035	5.00E-76	182	193	94 -	1	193	30048	30239
UN69050	Rsa1.0.03325.1	151	23720	2.00E-62	143	149	95 +	2	149	14655	14803
UN69051	Rsa1.0.01570.1	283	43015	4.00E-47	203	238	85 +	1	220	10813	11045
UN69052	Rsa1.0.03813.1	316	20708	5.00E-90	168	168	100 +	74	241	10242	10409
UN69053	Rsa1.0.00879.1	210	61297	2.00E-91	198	206	96 -	1	205	11233	11438
UN69054	Rsa1.0.03555.1	158	22129	9.00E-16	114	135	84 -	15	149	18134	18261
UN69055	Rsa1.0.02658.1	310	28978	1.00E-118	258	272	94 +	1	272	18428	18699
UN69056	Rsa1.0.00175.1	627	166121	0	597	627	95 -	3	627	38512	39137
UN69057	Rsa1.0.00095.1	467	283384	0	449	469	95 -	1	467	96723	97189
UN69058	Rsa1.0.01163.1	509	51946	1.00E-179	380	397	95 -	9	398	15934	16328
UN69059	Rsa1.0.00451.1	549	322533	0	528	544	97 +	3	546	49133	49675
UN69060	Rsa1.0.00019.1	633	301669	0	441	442	99 +	1	442	148086	148527
UN69061	Rsa1.0.01246.1	719	49968	0	690	731	94 -	1	719	22110	22832
UN69062	Rsa1.0.02659.1	508	28971	1.00E-144	367	405	90 +	1	397	10817	11213
UN69063	Rsa1.0.00784.1	399	64359	0	378	393	96 -	5	396	30465	30857
UN69064	Rsa1.0.09895.1	594	6101	0	572	594	96 +	1	594	2733	3326
UN69065	Rsa1.0.67091.1	725	342	1.00E-103	238	251	94 -	479	725	94	342
UN69066	Rsa1.0.03469.1	317	22681	1.00E-160	309	317	97 -	1	317	11407	11723
UN69067	Rsa1.0.03995.1	129	19654	2.00E-43	119	129	92 +	1	129	2498	2626

UN69068	Rsa1.0_01034.1	569	56046	0	547	569	96 +	1	569	21071	21639
UN69069	Rsa1.0_02467.1	192	31141	1.00E-86	183	190	96 -	3	192	15554	15743
UN69070	Rsa1.0_00236.1	897	104771	0	482	502	96 -	5	506	15770	16268
UN69071	Rsa1.0_00096.1	650	198773	0	469	475	98 +	1	475	149839	150310
UN69072	Rsa1.0_04184.1	433	18598	1.00E-113	314	346	90 -	1	339	9045	9388
UN69073	Rsa1.0_05523.1	713	13438	1.00E-138	307	322	95 -	394	713	9945	10265
UN69074	Rsa1.0_00119.1	528	467509	0	520	531	97 +	1	528	280088	280616
UN69075	Rsa1.0_00040.1	655	324196	1.00E-106	277	303	91 +	360	655	227656	227958
UN69076	Rsa1.0_00838.1	746	153820	7.00E-91	207	216	95 -	3	215	58081	58294
UN69077	Rsa1.0_01318.1	739	48275	0	454	474	95 +	243	716	1610	2072
UN69078	Rsa1.0_00792.1	774	64163	0	527	543	97 +	224	763	1539	2081
UN69079	Rsa1.0_01867.1	793	37960	1.00E-178	329	333	98 -	192	524	23065	23397
UN69080	Rsa1.0_00183.1	775	113277	1.00E-103	214	222	96 +	55	276	91870	92091
UN69081	Rsa1.0_00037.1	714	307838	0	464	483	96 +	1	475	179583	180065
UN69082	Rsa1.0_01937.1	726	37147	1.00E-153	289	294	98 +	3	296	12581	12874
UN69083	Rsa1.0_01955.1	658	36850	0	654	656	99 +	3	658	17828	18483
UN69084	Rsa1.0_01460.1	729	45255	0	621	652	95 +	1	650	34283	34925
UN69085	Rsa1.0_03879.1	535	20304	1.00E-149	328	346	94 +	1	346	3258	3600
UN69086	Rsa1.0_26735.1	720	880	4.00E-86	450	546	82 -	175	720	304	849
UN69087	Rsa1.0_00300.1	187	97747	4.00E-40	96	100	96 -	88	187	86659	86758
UN69088	Rsa1.0_02637.1	151	29244	3.00E-37	130	147	88 -	1	147	9052	9198
UN69089	Rsa1.0_00510.1	454	78718	1.00E-91	348	405	85 +	1	402	37813	38211
UN69090	Rsa1.0_03546.1	756	22172	1.00E-121	242	249	97 -	334	582	13924	14172
UN69091	Rsa1.0_01786.1	648	133324	1.00E-135	269	277	97 +	15	291	18251	18527
UN69092	Rsa1.0_00732.1	421	66631	0	388	404	96 -	1	403	13550	13953
UN69093	Rsa1.0_00537.1	235	186980	6.00E-98	226	237	95 -	1	235	165833	166068
UN69094	Rsa1.0_02460.1	751	31169	0	401	422	95 -	1	420	22604	23025
UN69095	Rsa1.0_02409.1	277	31663	3.00E-72	179	191	93 +	13	203	9094	9279
UN69096	Rsa1.0_01296.1	750	49035	0	604	636	94 +	115	750	26114	26748
UN69097	Rsa1.0_00599.1	576	73418	1.00E-104	270	293	92 -	2	291	47789	48073
UN69098	Rsa1.0_00033.1	197	515811	1.00E-86	186	194	95 +	1	194	501924	502117
UN69099	Rsa1.0_06275.1	690	11342	1.00E-135	430	492	87 -	5	496	7108	7599
UN69100	Rsa1.0_01026.1	609	171624	1.00E-122	229	231	99 -	19	249	35351	35581
UN69101	Rsa1.0_10387.1	713	5863	1.00E-119	223	225	99 -	347	571	5639	5863
UN69102	Rsa1.0_00501.1	518	79545	1.00E-160	324	337	96 +	182	518	24411	24741
UN69103	Rsa1.0_06614.1	786	10659	1.00E-126	277	288	96 +	504	786	4174	4461
UN69104	Rsa1.0_03471.1	708	22678	1.00E-115	213	214	99 -	3	216	8482	8695
UN69105	Rsa1.0_00170.1	747	179538	0	510	512	99 -	118	629	28952	29463
UN69106	Rsa1.0_00107.1	302	431659	1.00E-128	291	304	95 +	1	299	86717	87020

UN69107	Rsa1.0.00662.1	646	192183	0	541	555	97 +	3	557	62295	62849
UN69108	Rsa1.0.01185.1	286	149842	1.00E-102	257	279	92 +	2	280	13513	13779
UN69109	Rsa1.0.07837.1	711	8449	1.00E-161	328	340	96 -	372	711	6532	6870
UN69110	Rsa1.0.00542.1	724	76831	1.00E-92	188	193	97 +	389	581	37133	37325
UN69111	Rsa1.0.16058.1	732	2302	1.00E-148	284	289	98 +	171	457	1139	1427
UN69112	Rsa1.0.00007.1	860	239325	4.00E-74	157	162	96 +	515	676	15014	15175
UN69113	Rsa1.0.02829.1	226	27541	1.00E-65	139	143	97 -	1	143	4657	4799
UN69114	Rsa1.0.14124.1	190	3781	2.00E-48	107	110	97 -	1	110	239	348
UN69115	Rsa1.0.02589.1	492	300828	1.00E-162	319	329	96 -	1	329	155784	156112
UN69116	Rsa1.0.00454.1	434	216970	0	431	434	99 +	1	434	1592	2025
UN69117	Rsa1.0.00156.1	106	118383	4.00E-32	97	106	91 +	1	106	90204	90309
UN69118	Rsa1.0.06274.1	787	11343	1.00E-144	266	268	99 -	216	483	1	268
UN69119	Rsa1.0.01115.1	667	183545	0	462	464	99 +	1	464	136458	136921
UN69120	Rsa1.0.00128.1	885	228675	0	461	484	95 +	4	482	200402	200880
UN69121	Rsa1.0.00002.1	436	601661	1.00E-176	410	440	93 -	1	436	33721	34146
UN69122	Rsa1.0.01296.1	133	49035	3.00E-49	123	131	93 -	1	131	23190	23320
UN69123	Rsa1.0.03471.1	657	22678	1.00E-174	329	335	98 +	1	332	6333	6667
UN69124	Rsa1.0.04845.1	212	15747	9.00E-69	191	207	92 -	10	212	6122	6328
UN69125	Rsa1.0.04849.1	643	15726	4.00E-61	260	302	86 -	132	427	5720	6021
UN69126	Rsa1.0.00383.1	765	398431	0	390	405	96 -	1	403	193214	193617
UN69127	Rsa1.0.00678.1	715	193163	1.00E-131	267	276	96 -	63	335	163477	163752
UN69128	Rsa1.0.00079.1	213	606987	4.00E-68	152	159	95 -	1	159	82997	83155
UN69129	Rsa1.0.00793.1	381	64103	8.00E-40	99	104	95 +	220	323	59524	59627
UN69130	Rsa1.0.00218.1	625	201480	1.00E-119	268	284	94 +	197	480	170910	171190
UN69131	Rsa1.0.00645.1	166	189716	3.00E-59	152	163	93 +	1	161	23733	23895
UN69132	Rsa1.0.00865.1	669	61686	0	663	666	99 +	4	669	33765	34430
UN69133	Rsa1.0.14862.1	729	3006	0	597	619	96 -	8	625	1	616
UN69134	Rsa1.0.02929.1	650	26673	0	633	654	96 +	1	650	13894	14546
UN69135	Rsa1.0.00009.1	434	232558	1.00E-132	290	304	95 -	133	434	185030	185329
UN69136	Rsa1.0.00980.1	748	57729	4.00E-68	149	154	96 -	1	154	28226	28376
UN69137	Rsa1.0.00001.1	769	363028	7.00E-88	186	193	96 -	25	217	195370	195562
UN69138	Rsa1.0.00589.1	722	209965	0	566	588	96 +	129	714	55853	56434
UN69139	Rsa1.0.03201.1	808	157656	0	508	521	97 +	69	588	10722	11242
UN69140	Rsa1.0.00336.1	749	445051	1.00E-180	370	385	96 +	2	386	25560	25940
UN69141	Rsa1.0.00464.1	759	82253	1.00E-147	421	472	89 -	3	458	63616	64087
UN69142	Rsa1.0.00116.1	778	365886	0	334	335	99 +	59	393	55076	55410
UN69143	Rsa1.0.01958.1	267	261128	9.00E-48	234	275	85 -	1	267	132987	133253
UN69144	#	#	#	#	#	#	#	#	#	#	#
UN69145	Rsa1.0.00017.1	776	752458	0	390	404	96 -	2	402	319255	319657

UN69146	Rsa1.0.00320.1	804	95784	1.00E-123	289	306	94 -	1	299	60215	60516
UN69147	Rsa1.0.08832.1	215	6886	3.00E-25	62	63	98 +	153	215	2818	2880
UN69148	Rsa1.0.05680.1	771	12958	0	732	785	93 -	2	767	10506	11290
UN69149	Rsa1.0.00697.1	690	67913	0	367	375	97 -	316	690	62104	62478
UN69150	Rsa1.0.00715.1	658	67116	0	421	432	97 +	3	434	16332	16756
UN69151	Rsa1.0.06041.1	753	11861	1.00E-170	333	343	97 -	411	753	6244	6586
UN69152	Rsa1.0.00720.1	555	66931	1.00E-104	232	240	96 -	2	240	26183	26418
UN69153	Rsa1.0.01290.1	634	49179	1.00E-128	270	280	96 +	1	277	4667	4946
UN69154	Rsa1.0.01343.1	748	47735	0	573	636	90 +	6	616	4081	4698
UN69155	Rsa1.0.03642.1	395	21609	7.00E-28	119	136	87 +	30	165	9276	9410
UN69156	Rsa1.0.03638.1	673	21634	1.00E-118	290	318	91 -	184	481	20076	20393
UN69157	Rsa1.0.00964.1	726	316648	2.00E-79	151	151	100 +	397	547	164982	165132
UN69158	Rsa1.0.05078.1	823	14912	1.00E-111	220	225	97 -	334	558	3937	4161
UN69159	Rsa1.0.01753.1	560	39794	0	403	418	96 -	1	417	16947	17363
UN69160	Rsa1.0.00302.1	709	97521	0	465	466	99 -	1	466	50717	51182
UN69161	Rsa1.0.00183.1	815	113277	1.00E-175	323	327	98 -	364	690	93138	93464
UN69162	Rsa1.0.00396.1	791	88242	2.33E-156	337	364	92 -	2	343	5961	6324
UN69163	Rsa1.0.00092.1	165	659932	2.00E-26	100	113	88 -	53	165	14645	14757
UN69164	Rsa1.0.00250.1	368	273771	6.00E-99	207	215	96 +	1	215	16303	16517
UN69165	Rsa1.0.00024.1	855	188018	1.00E-125	241	245	98 +	55	296	75368	75612
UN69166	Rsa1.0.01452.1	744	45459	1.00E-144	268	271	98 -	1	271	39627	39897
UN69167	Rsa1.0.00695.1	635	68019	0	364	370	98 +	1	367	27672	28041
UN69168	Rsa1.0.01111.1	761	53669	1.00E-174	379	398	95 +	2	395	31336	31730
UN69169	Rsa1.0.00082.1	186	237584	1.00E-83	179	185	96 -	1	185	138929	139112
UN69170	Rsa1.0.02460.1	594	31169	0	567	591	95 +	5	594	15758	16348
UN69171	Rsa1.0.02281.1	697	292576	0	629	667	94 +	4	666	139802	140453
UN69172	Rsa1.0.00025.1	197	277312	1.00E-40	130	145	89 -	3	147	116389	116533
UN69173	Rsa1.0.00451.1	422	322533	1.00E-134	284	298	95 -	6	303	162816	163113
UN69174	Rsa1.0.06975.1	505	10074	0	483	508	95 +	5	505	8048	8552
UN69175	Rsa1.0.03172.1	694	24816	0	650	694	93 -	1	694	3218	3891
UN69176	Rsa1.0.00324.1	174	218805	4.00E-52	143	156	91 -	19	174	189754	189909
UN69177	Rsa1.0.04709.1	184	16285	6.00E-79	164	168	97 +	1	168	4115	4280
UN69178	Rsa1.0.00092.1	697	659932	1.00E-138	268	274	97 -	57	330	14484	14757
UN69179	Rsa1.0.17040.1	110	1944	1.00E-41	104	110	94 -	1	110	1493	1602
UN69180	Rsa1.0.00816.1	547	403350	1.00E-133	303	322	94 -	7	325	370202	370517
UN69181	Rsa1.0.00383.1	654	398431	0	478	486	98 -	169	654	370787	371268
UN69182	Rsa1.0.00652.1	133	70089	4.00E-51	127	133	95 -	1	133	59346	59475
UN69183	Rsa1.0.01182.1	732	167304	0	494	519	95 -	171	689	118231	118749
UN69184	Rsa1.0.00300.1	712	97747	1.00E-140	265	269	98 -	64	332	11210	11478

UN69185	Rsa1.0.02157.1	484	149652	1.00E-175	321	323	99 +	163	484	115840	116162
UN69186	Rsa1.0.00213.1	751	108167	0	719	750	95 -	2	749	41592	42328
UN69187	Rsa1.0.08766.1	648	6942	1.00E-116	311	340	91 +	3	337	6612	6938
UN69188	Rsa1.0.00699.1	712	184398	4.00E-15	52	55	94 -	300	354	32597	32651
UN69189	Rsa1.0.00397.1	154	88189	2.00E-59	137	144	95 +	6	149	19991	20134
UN69190	Rsa1.0.33878.1	509	669	1.00E-125	264	272	97 -	92	362	161	430
UN69191	Rsa1.0.16253.1	561	2225	2.00E-97	194	197	98 -	3	198	1	197
UN69192	Rsa1.0.14151.1	568	3731	0	563	569	98 +	3	568	909	1477
UN69193	Rsa1.0.03736.1	452	21081	0	437	452	96 -	3	451	12463	12911
UN69194	Rsa1.0.00300.1	709	97747	0	418	422	99 +	3	424	85358	85779
UN69195	Rsa1.0.01026.1	655	171624	0	544	573	94 -	85	655	14048	14614
UN69196	Rsa1.0.01632.1	128	181224	1.00E-23	77	84	91 -	42	125	28079	28162
UN69197	Rsa1.0.00017.1	566	752458	0	494	519	95 +	48	566	295956	296474
UN69198	Rsa1.0.00975.1	627	57865	1.00E-122	257	266	96 +	363	627	49364	49628
UN69199	Rsa1.0.01668.1	697	41299	0	370	374	98 +	2	375	339	712
UN69200	Rsa1.0.19195.1	101	1467	6.00E-28	81	86	94 -	4	89	531	614
UN69201	Rsa1.0.34294.1	759	660	0	477	486	98 +	76	561	1	486
UN69202	Rsa1.0.03766.1	208	20970	7.00E-45	153	172	88 +	8	179	15088	15258
UN69203	Rsa1.0.00479.1	567	81377	0	491	506	97 +	27	532	27298	27794
UN69204	Rsa1.0.02170.1	738	34352	0	705	736	95 +	3	738	4195	4919
UN69205	Rsa1.0.05150.1	744	14673	1.00E-174	372	392	94 -	292	680	5984	6375
UN69206	Rsa1.0.01575.1	729	42924	8.00E-26	76	81	93 +	13	93	21746	21826
UN69207	Rsa1.0.10380.1	362	5866	0	352	361	97 -	2	362	1658	2017
UN69208	Rsa1.0.01016.1	162	181422	6.00E-63	152	162	93 -	1	162	3599	3760
UN69209	Rsa1.0.01644.1	603	41754	0	401	412	97 -	175	585	40792	41199
UN69210	Rsa1.0.02872.1	705	27080	0	425	436	97 -	155	590	9995	10430
UN69211	Rsa1.0.00678.1	723	193163	0	458	473	96 +	24	496	23361	23824
UN69212	Rsa1.0.00262.1	737	101906	1.00E-168	350	367	95 -	3	369	51801	52167
UN69213	Rsa1.0.00826.1	566	166736	0	522	523	99 -	44	566	127446	127968
UN69214	#	#	#	#	#	#	#	#	#	#	#
UN69215	Rsa1.0.00049.1	484	167018	0	388	408	95 -	77	484	45896	46300
UN69216	Rsa1.0.05196.1	514	14533	0	432	440	98 -	3	436	11969	12408
UN69217	Rsa1.0.00016.1	283	831256	7.00E-89	244	270	90 +	2	271	744750	745004
UN69218	Rsa1.0.02870.1	726	27102	1.00E-110	229	238	96 +	416	653	12375	12612
UN69219	Rsa1.0.00144.1	261	120708	1.00E-104	238	251	94 +	7	257	47342	47589
UN69220	Rsa1.0.00070.1	535	150321	1.00E-117	262	274	95 -	5	277	32070	32341
UN69221	Rsa1.0.02072.1	290	35401	4.00E-87	178	183	97 +	1	183	18171	18353
UN69222	Rsa1.0.03562.1	703	22084	0	486	491	98 +	1	491	5971	6461
UN69223	Rsa1.0.01196.1	533	51097	1.00E-120	237	243	97 +	206	448	35365	35607

UN69224	Rsa1.0.00427.1	188	189678	2.00E-32	147	168	87 -	4	165	171668	171834
UN69225	Rsa1.0.07145.1	352	9831	5.00E-81	156	157	99 -	193	349	9416	9572
UN69226	Rsa1.0.04368.1	229	17714	2.00E-36	93	98	94 -	1	98	16221	16318
UN69227	Rsa1.0.00705.1	835	67505	0	630	670	94 -	1	661	17127	17784
UN69228	Rsa1.0.00662.1	653	192183	0	650	652	99 -	2	653	65022	65673
UN69229	Rsa1.0.00036.1	722	176186	1.00E-166	299	300	99 -	2	301	64825	65124
UN69230	Rsa1.0.01867.1	208	37960	4.00E-74	197	213	92 +	1	208	16902	17112
UN69231	Rsa1.0.01135.1	609	52799	2.00E-94	200	208	96 -	197	404	24867	25074
UN69232	Rsa1.0.26014.1	650	910	1.00E-105	245	261	93 +	1	259	275	525
UN69233	Rsa1.0.00805.1	769	63724	1.00E-125	281	298	94 +	1	298	43826	44115
UN69234	#	#	#	#	#	#	#	#	#	#	#
UN69235	Rsa1.0.00564.1	829	75428	0	384	403	95 +	417	819	65092	65494
UN69236	Rsa1.0.00716.1	309	67078	4.00E-69	166	177	93 -	49	225	36578	36754
UN69237	Rsa1.0.01588.1	708	42724	4.00E-86	171	174	98 +	527	700	39672	39845
UN69238	Rsa1.0.00059.1	634	159650	0	525	547	95 +	5	548	136206	136741
UN69239	Rsa1.0.00975.1	273	57865	1.00E-100	237	253	93 -	21	273	49378	49629
UN69240	Rsa1.0.02170.1	552	34352	0	462	481	96 -	70	550	5263	5743
UN69241	Rsa1.0.07981.1	185	8132	2.00E-69	172	185	92 +	1	185	3411	3595
UN69242	Rsa1.0.00545.1	753	189649	1.00E-154	381	416	91 -	15	430	76179	76594
UN69243	Rsa1.0.00768.1	437	64969	1.00E-66	132	133	99 +	299	431	61506	61638
UN69244	Rsa1.0.03594.1	230	21868	2.00E-76	208	227	91 +	7	226	14533	14757
UN69245	Rsa1.0.02011.1	168	36088	4.00E-49	135	147	91 +	22	168	24827	24973
UN69246	Rsa1.0.06629.1	147	10633	4.00E-61	137	143	95 -	1	143	1563	1705
UN69247	Rsa1.0.00087.1	125	761073	2.00E-25	101	114	88 -	1	114	581237	581348
UN69248	Rsa1.0.04236.1	368	18370	2.00E-96	201	207	97 -	3	208	13887	14093
UN69249	Rsa1.0.01281.1	717	49313	0	679	728	93 +	12	717	28256	28980
UN69250	Rsa1.0.00964.1	535	316648	1.00E-125	227	227	100 -	309	535	294720	294946
UN69251	Rsa1.0.03015.1	495	26006	0	489	492	99 +	3	494	10999	11490
UN69252	Rsa1.0.00159.1	751	431686	1.00E-142	343	373	91 -	59	425	210507	210867
UN69253	Rsa1.0.00083.1	753	442773	1.00E-126	266	278	95 +	429	706	252072	252349
UN69254	Rsa1.0.02939.1	810	26595	0	515	526	97 -	1	522	4618	5143
UN69255	Rsa1.0.00416.1	763	86772	1.00E-130	282	296	95 -	474	763	43825	44120
UN69256	Rsa1.0.17691.1	750	1764	5.00E-55	224	260	86 +	218	476	1416	1672
UN69257	Rsa1.0.00645.1	560	189716	3.00E-68	195	216	90 -	185	400	156010	156225
UN69258	Rsa1.0.03319.1	193	23767	4.00E-77	161	165	97 +	31	193	4081	4245
UN69259	Rsa1.0.06692.1	687	10529	0	590	593	99 +	95	687	9750	10342
UN69260	Rsa1.0.00540.1	755	76895	0	715	759	94 +	3	748	61933	62674
UN69261	Rsa1.0.02281.1	638	292576	0	621	639	97 -	2	638	140583	141221
UN69262	Rsa1.0.03267.1	616	24230	1.00E-58	123	124	99 -	494	616	14902	15025

UN69263	Rsa1.0.04095.1	301	19095	2.00E-30	95	104	91 -	184	287	10629	10732
UN69264	Rsa1.0.01389.1	723	46716	1.00E-150	329	346	95 -	1	346	30335	30673
UN69265	Rsa1.0.06148.1	674	11616	1.00E-177	372	389	95 +	2	384	9583	9968
UN69266	Rsa1.0.00273.1	558	326186	1.00E-150	305	317	96 -	6	322	4768	5078
UN69267	Rsa1.0.07627.1	542	9001	0	521	544	95 +	3	542	8330	8870
UN69268	Rsa1.0.00073.1	442	240924	1.00E-180	319	319	100 +	124	442	29598	29916
UN69269	Rsa1.0.00105.1	741	134138	1.00E-92	304	342	88 -	403	741	10966	11292
UN69270	Rsa1.0.17771.1	112	1744	2.00E-40	99	104	95 +	5	108	530	633
UN69271	Rsa1.0.02080.1	855	35297	0	840	877	95 -	1	855	12219	13093
UN69272	Rsa1.0.00091.1	262	139699	3.00E-57	227	260	87 -	1	259	80313	80568
UN69273	Rsa1.0.00110.1	489	132719	1.00E-140	258	260	99 -	3	262	111112	111371
UN69274	Rsa1.0.00280.1	733	99966	0	564	586	96 -	149	733	31277	31862
UN69275	Rsa1.0.00921.1	399	59599	0	387	402	96 +	1	399	56098	56499
UN69276	Rsa1.0.04639.1	726	16550	1.00E-102	198	200	99 +	3	200	13272	13471
UN69277	Rsa1.0.00123.1	793	325650	1.00E-141	298	312	95 +	3	314	180035	180343
UN69278	Rsa1.0.03991.1	788	19675	0	761	793	95 +	1	788	7039	7831
UN69279	Rsa1.0.01018.1	754	56685	1.00E-114	236	245	96 -	510	754	55085	55329
UN69280	Rsa1.0.00751.1	692	65759	9.00E-72	177	186	95 +	92	276	37821	38004
UN69281	Rsa1.0.04753.1	634	16124	2.00E-87	164	164	100 -	283	446	5458	5621
UN69282	Rsa1.0.01126.1	709	53127	0	667	689	96 -	19	704	52134	52822
UN69283	Rsa1.0.18990.1	735	1499	1.00E-125	246	252	97 -	3	250	486	737
UN69284	Rsa1.0.00220.1	718	192936	0	678	734	92 -	5	718	16525	17245
UN69285	Rsa1.0.00111.1	513	390088	0	501	514	97 +	1	513	338259	338770
UN69286	Rsa1.0.00127.1	630	127446	1.00E-168	309	312	99 +	192	503	46649	46960
UN69287	Rsa1.0.01724.1	565	40292	1.00E-162	327	337	97 +	6	342	9990	10323
UN69288	Rsa1.0.00556.1	393	207212	1.00E-119	226	229	98 -	165	393	179180	179408
UN69289	Rsa1.0.01360.1	706	47246	0	695	708	98 -	3	706	3482	4188
UN69290	Rsa1.0.11581.1	772	5466	5.00E-89	198	207	95 -	173	373	2316	2522
UN69291	Rsa1.0.00632.1	575	183777	7.00E-66	177	196	90 -	398	575	56058	56253
UN69292	Rsa1.0.01855.1	762	38204	0	735	771	95 +	3	762	14814	15580
UN69293	Rsa1.0.11445.1	718	5505	0	496	513	96 +	51	557	4993	5505
UN69294	Rsa1.0.11015.1	767	5647	1.00E-103	251	267	94 -	508	767	5303	5569
UN69295	Rsa1.0.06165.1	591	11584	0	545	593	91 -	1	582	5761	6353
UN69296	Rsa1.0.09304.1	427	6469	0	418	428	97 +	1	427	5521	5942
UN69297	Rsa1.0.01112.1	235	310601	3.00E-50	129	137	94 -	95	231	177036	177171
UN69298	Rsa1.0.06349.1	470	11199	1.00E-177	437	476	91 -	1	470	8998	9460
UN69299	Rsa1.0.05975.1	553	12062	8.00E-90	222	240	92 -	324	553	3841	4080
UN69300	Rsa1.0.01920.1	106	158533	1.00E-41	101	106	95 -	1	106	128313	128418
UN69301	Rsa1.0.04545.1	740	146799	0	722	747	96 -	1	740	6417	7163

UN69302	Rsa1.0.03094.1	285	25443	1.00E-124	263	274	95 -	1	273	11507	11780
UN69303	Rsa1.0.01323.1	423	48152	1.00E-78	185	195	94 +	9	203	25572	25762
UN69304	Rsa1.0.00343.1	107	93570	2.00E-43	101	105	96 -	3	107	33253	33357
UN69305	Rsa1.0.01895.1	118	37512	1.00E-10	46	50	92 -	1	50	24780	24829
UN69306	Rsa1.0.00043.1	375	264937	4.00E-97	244	264	92 +	118	375	7273	7536
UN69307	Rsa1.0.01296.1	736	49035	1.00E-95	241	260	92 +	255	514	9087	9337
UN69308	Rsa1.0.08511.1	180	7252	5.00E-76	171	180	95 +	1	180	1853	2032
UN69309	Rsa1.0.00851.1	179	62181	9.00E-41	112	121	92 -	59	179	11657	11777
UN69310	Rsa1.0.00073.1	743	240924	0	457	483	94 -	1	482	94015	94476
UN69311	Rsa1.0.00275.1	807	210104	0	743	769	96 +	2	766	154259	155017
UN69312	Rsa1.0.04833.1	734	148235	2.00E-11	85	100	85 -	258	355	138232	138331
UN69313	Rsa1.0.00078.1	118	175053	4.00E-17	51	53	96 +	66	118	97164	97216
UN69314	Rsa1.0.02003.1	800	36171	0	542	547	99 -	255	800	19960	20506
UN69315	Rsa1.0.00108.1	675	478491	1.00E-73	197	213	92 +	212	422	440719	440931
UN69316	Rsa1.0.00310.1	553	96852	1.00E-145	277	281	98 +	47	326	10996	11276
UN69317	Rsa1.0.02210.1	273	33857	1.00E-71	225	253	88 -	2	234	22576	22827
UN69318	Rsa1.0.00556.1	427	207212	1.00E-179	407	430	94 +	2	427	169797	170220
UN69319	Rsa1.0.00963.1	630	58176	1.00E-100	237	253	93 -	15	260	30839	31091
UN69320	Rsa1.0.13941.1	677	4043	1.00E-144	297	310	95 -	55	364	3740	4043
UN69321	Rsa1.0.06407.1	730	11071	1.00E-169	332	342	97 -	389	730	5389	5730
UN69322	Rsa1.0.00434.1	595	85171	0	384	384	100 +	212	595	48379	48762
UN69323	Rsa1.0.00211.1	673	228189	1.00E-128	239	240	99 -	435	673	169983	170222
UN69324	Rsa1.0.06303.1	753	11268	1.00E-122	240	246	97 -	173	418	9882	10127
UN69325	Rsa1.0.01115.1	737	183545	0	734	736	99 -	3	737	137178	137913
UN69326	Rsa1.0.00451.1	405	322533	1.00E-91	180	183	98 +	167	349	301019	301201
UN69327	Rsa1.0.00088.1	611	141341	0	440	459	95 -	164	611	55236	55694
UN69328	Rsa1.0.03588.1	687	21908	1.00E-174	337	346	97 +	1	346	3149	3494
UN69329	Rsa1.0.00890.1	687	323870	0	449	475	94 +	73	541	215364	215838
UN69330	Rsa1.0.02673.1	249	28877	3.00E-60	133	138	96 +	2	139	10833	10970
UN69331	Rsa1.0.00055.1	731	520193	1.00E-119	253	265	95 -	262	526	6217	6481
UN69332	Rsa1.0.03813.1	633	20708	1.00E-100	186	186	100 -	229	414	11798	11983
UN69333	Rsa1.0.02434.1	228	31464	8.00E-51	115	118	97 -	111	228	1782	1898
UN69334	Rsa1.0.00678.1	399	193163	1.00E-116	276	295	93 -	1	293	165986	166279
UN69335	Rsa1.0.14575.1	795	3251	0	416	442	94 -	1	442	2435	2862
UN69336	Rsa1.0.25235.1	191	945	7.00E-88	183	188	97 -	5	191	20	207
UN69337	Rsa1.0.06839.1	484	10286	0	457	485	94 -	1	479	2520	3002
UN69338	Rsa1.0.02513.1	601	30643	0	403	406	99 +	196	601	29577	29982
UN69339	Rsa1.0.03818.1	188	20668	3.00E-62	173	189	91 -	1	188	18283	18471
UN69340	Rsa1.0.00175.1	111	166121	1.00E-44	105	109	96 +	3	111	144770	144875

UN69341	Rsa1.0.09221.1	350	6549	2.00E-65	127	127	100 +	1	127	4371	4497
UN69342	Rsa1.0.04786.1	486	15988	1.00E-173	380	401	94 -	22	421	12763	13158
UN69343	Rsa1.0.05325.1	724	14141	0	456	476	95 +	252	724	7616	8091
UN69344	Rsa1.0.01238.1	780	50120	0	663	700	94 +	22	713	46693	47381
UN69345	Rsa1.0.06408.1	481	11070	1.00E-180	464	521	89 +	1	481	7236	7755
UN69346	Rsa1.0.04760.1	743	16105	0	616	650	94 -	98	743	4804	5453
UN69347	Rsa1.0.02794.1	653	27820	1.00E-128	251	257	97 +	397	653	27340	27596
UN69348	#	#	#	#	#	#	#	#	#	#	#
UN69349	Rsa1.0.00288.1	178	98659	3.00E-31	110	123	89 -	56	178	16475	16594
UN69350	Rsa1.0.01286.1	269	49209	3.00E-97	222	236	94 +	6	241	4286	4521
UN69351	Rsa1.0.13658.1	771	4545	1.00E-117	230	235	97 -	394	628	20	254
UN69352	Rsa1.0.00123.1	718	325650	0	520	576	90 -	102	677	230667	231242
UN69353	Rsa1.0.05663.1	566	13005	1.00E-135	258	261	98 +	303	563	10219	10478
UN69354	Rsa1.0.00603.1	696	73299	1.00E-148	269	270	99 -	427	696	18985	19254
UN69355	Rsa1.0.00219.1	805	106983	3.00E-59	117	117	100 +	503	619	45143	45259
UN69356	Rsa1.0.00568.1	638	75219	0	508	542	93 +	3	543	3623	4142
UN69357	Rsa1.0.03094.1	627	25443	2.00E-75	147	148	99 +	49	196	7887	8034
UN69358	Rsa1.0.00016.1	759	831256	4.00E-71	174	185	94 -	78	256	373056	373240
UN69359	Rsa1.0.00838.1	609	153820	2.00E-23	167	196	85 -	419	606	22474	22665
UN69360	Rsa1.0.00195.1	724	251884	0	339	342	99 +	211	552	213164	213505
UN69361	Rsa1.0.03218.1	644	24539	0	434	445	97 +	3	447	19902	20346
UN69362	Rsa1.0.12668.1	685	5159	0	356	360	98 -	168	527	2816	3175
UN69363	Rsa1.0.00045.1	769	328694	1.00E-120	248	256	96 -	3	257	181708	181963
UN69364	Rsa1.0.00056.1	769	332604	0	580	641	90 -	138	769	84968	85600
UN69365	Rsa1.0.01434.1	424	45951	1.00E-108	258	271	95 +	3	270	7334	7597
UN69366	Rsa1.0.04849.1	669	15726	4.00E-86	259	288	89 +	122	408	4766	5049
UN69367	#	#	#	#	#	#	#	#	#	#	#
UN69368	Rsa1.0.01423.1	748	46170	4.00E-40	104	109	95 -	3	110	4788	4896
UN69369	Rsa1.0.02110.1	662	34919	9.00E-47	115	120	95 -	38	156	25598	25717
UN69370	Rsa1.0.00821.1	786	62891	0	730	745	97 +	41	784	11879	12623
UN69371	Rsa1.0.04073.1	278	19238	1.00E-121	244	252	96 -	1	252	16758	17009
UN69372	Rsa1.0.17748.1	728	1750	0	719	728	98 -	2	728	50	776
UN69373	Rsa1.0.00793.1	381	64103	1.00E-44	101	104	97 -	59	162	59524	59627
UN69374	Rsa1.0.44323.1	538	508	0	424	428	99 +	19	446	81	508
UN69375	Rsa1.0.01555.1	575	166456	0	566	571	99 -	1	571	145167	145737
UN69376	Rsa1.0.01590.1	690	42719	0	426	432	98 -	257	688	10004	10435
UN69377	Rsa1.0.00421.1	705	86365	0	690	703	98 -	3	705	18744	19445
UN69378	Rsa1.0.00146.1	754	149343	1.00E-103	214	222	96 -	452	673	87301	87522
UN69379	Rsa1.0.14575.1	610	3251	0	374	376	99 +	4	379	801	1176

UN69380	Rsa1.0.02846.1	745	27338	1.00E-128	316	344	91 -	212	555	13110	13437
UN69381	Rsa1.0.02120.1	693	34819	1.00E-125	228	228	100 +	111	338	11139	11366
UN69382	Rsa1.0.13824.1	722	4259	0	338	342	98 -	1	342	2919	3260
UN69383	Rsa1.0.02261.1	511	33245	0	500	511	97 +	1	510	760	1270
UN69384	Rsa1.0.27096.1	694	866	1.00E-140	256	257	99 +	438	694	335	591
UN69385	Rsa1.0.03259.1	800	24290	1.00E-158	292	295	98 +	307	601	969	1263
UN69386	Rsa1.0.52231.1	426	436	3.00E-76	272	305	89 -	121	423	40	334
UN69387	Rsa1.0.00003.1	712	340054	0	660	686	96 +	29	712	167423	168106
UN69388	Rsa1.0.00962.1	795	184909	0	732	771	94 +	12	774	40551	41318
UN69389	Rsa1.0.00524.1	751	169613	1.00E-149	338	359	94 -	393	751	161741	162096
UN69390	Rsa1.0.00261.1	730	151157	0	341	343	99 +	281	623	67145	67487
UN69391	Rsa1.0.01493.1	764	44670	1.00E-173	363	380	95 -	385	764	20837	21215
UN69392	Rsa1.0.22290.1	474	1133	2.00E-65	151	159	94 -	167	325	75	233
UN69393	Rsa1.0.00175.1	344	166121	1.00E-140	327	347	94 +	1	344	152389	152732
UN69394	Rsa1.0.00195.1	709	251884	2.00E-81	163	166	98 +	177	342	239317	239482
UN69395	Rsa1.0.00919.1	474	59675	1.00E-138	249	249	100 +	225	473	51714	51962
UN69396	Rsa1.0.00018.1	648	410899	0	637	646	98 +	3	648	140234	140879
UN69397	Rsa1.0.00040.1	708	324196	0	694	709	97 +	1	704	48685	49393
UN69398	Rsa1.0.02929.1	372	26673	1.00E-178	358	372	96 -	1	372	14933	15304
UN69399	Rsa1.0.00222.1	711	172263	0	524	567	92 -	156	707	23182	23745
UN69400	Rsa1.0.10936.1	696	5671	1.00E-116	216	217	99 +	97	313	4804	5020
UN69401	Rsa1.0.17346.1	761	1853	1.00E-125	227	227	100 +	535	761	154	380
UN69402	Rsa1.0.06509.1	553	10873	1.00E-107	208	210	99 -	1	209	7705	7914
UN69403	Rsa1.0.00041.1	605	186197	2.00E-87	179	184	97 -	62	245	175346	175529
UN69404	Rsa1.0.00433.1	545	85381	0	531	543	97 +	3	545	57231	57771
UN69405	Rsa1.0.03887.1	606	20247	1.00E-180	340	347	97 -	260	606	18498	18844
UN69406	Rsa1.0.00282.1	635	177799	1.00E-180	488	544	89 -	96	635	103554	104097
UN69407	Rsa1.0.03995.1	620	19654	0	619	621	99 -	1	620	8695	9315
UN69408	Rsa1.0.00498.1	714	79746	1.00E-159	304	310	98 +	4	310	61975	62284
UN69409	Rsa1.0.00920.1	754	601703	0	742	750	98 +	2	748	295986	296735
UN69410	Rsa1.0.00149.1	279	305196	4.00E-47	219	265	82 +	45	274	144915	145179
UN69411	Rsa1.0.01316.1	461	48325	1.00E-140	252	252	100 +	4	255	39330	39581
UN69412	Rsa1.0.00796.1	755	63997	0	489	490	99 -	1	490	55870	56359
UN69413	Rsa1.0.00067.1	705	415055	0	333	334	99 +	373	705	314010	314343
UN69414	Rsa1.0.00037.1	752	307838	1.00E-119	250	260	96 -	428	687	218908	219165
UN69415	Rsa1.0.25074.1	632	952	0	338	341	99 -	292	632	613	952
UN69416	Rsa1.0.00033.1	645	515811	0	632	644	98 -	2	645	502521	503164
UN69417	Rsa1.0.20803.1	526	1268	5.00E-14	93	109	85 -	418	526	582	689
UN69418	Rsa1.0.03879.1	652	20304	0	414	441	93 -	187	626	5230	5666

UN69419	Rsa1.0.00149.1	191	305196	3.00E-68	177	190	93 +	2	191	102235	102421
UN69420	Rsa1.0.00302.1	698	97521	0	667	690	96 +	12	698	49206	49895
UN69421	Rsa1.0.00295.1	659	152597	0	532	555	95 +	3	555	21767	22321
UN69422	Rsa1.0.01913.1	486	37363	0	469	494	94 -	2	486	23516	24007
UN69423	Rsa1.0.06170.1	774	11575	6.00E-76	333	392	84 +	7	386	1869	2253
UN69424	Rsa1.0.04527.1	614	16958	0	512	547	93 -	22	561	8468	9013
UN69425	Rsa1.0.25556.1	851	931	0	782	792	98 +	67	850	1	792
UN69426	Rsa1.0.01026.1	610	171624	3.00E-65	262	308	85 -	3	293	31968	32269
UN69427	Rsa1.0.01955.1	666	36850	1.00E-103	197	199	98 -	3	201	17248	17446
UN69428	Rsa1.0.00001.1	757	363028	1.00E-119	246	253	97 +	507	757	280589	280841
UN69429	Rsa1.0.00054.1	661	162053	6.00E-88	205	217	94 -	428	643	86608	86824
UN69430	Rsa1.0.02480.1	662	31036	0	633	638	99 -	27	662	23375	24012
UN69431	Rsa1.0.08693.1	765	7033	1.00E-108	200	200	100 -	5	204	903	1102
UN69432	Rsa1.0.01561.1	754	43227	1.00E-169	315	318	99 +	434	750	28427	28744
UN69433	Rsa1.0.00626.1	729	71582	1.00E-138	277	286	96 +	164	449	52857	53142
UN69434	Rsa1.0.01931.1	789	37187	1.00E-165	341	353	96 -	231	582	32868	33217
UN69435	Rsa1.0.05675.1	805	12970	3.00E-44	178	204	87 -	1	202	10125	10328
UN69436	Rsa1.0.03031.1	607	25839	4.00E-49	133	140	95 +	3	140	21801	21939
UN69437	Rsa1.0.07250.1	568	9663	3.00E-77	153	155	98 +	391	545	1850	2004
UN69438	Rsa1.0.00678.1	507	193163	1.00E-150	295	301	98 +	209	507	165986	166285
UN69439	Rsa1.0.00369.1	710	266462	0	523	530	98 -	183	710	184966	185495
UN69440	Rsa1.0.02241.1	823	33520	1.00E-123	254	263	96 -	3	265	11460	11719
UN69441	Rsa1.0.00078.1	686	175053	1.00E-165	334	346	96 -	102	446	99272	99617
UN69442	Rsa1.0.00107.1	469	431659	1.00E-161	353	375	94 +	2	376	184869	185232
UN69443	Rsa1.0.01464.1	796	45193	0	717	791	90 +	31	796	25050	25828
UN69444	Rsa1.0.03246.1	699	24379	0	694	701	99 -	2	699	12261	12961
UN69445	Rsa1.0.01323.1	504	48152	1.00E-85	190	200	95 -	1	194	26371	26570
UN69446	Rsa1.0.01943.1	676	37042	2.00E-81	175	182	96 -	389	570	8480	8661
UN69447	Rsa1.0.00815.1	781	63031	1.00E-114	344	381	90 +	394	769	34436	34809
UN69448	Rsa1.0.00243.1	807	103651	1.00E-119	250	257	97 +	503	756	4656	4912
UN69449	Rsa1.0.01217.1	573	50554	1.00E-128	251	257	97 +	71	327	46456	46712
UN69450	Rsa1.0.36121.1	169	625	3.00E-46	94	94	100 +	1	94	431	524
UN69451	Rsa1.0.01786.1	528	133324	0	441	458	96 +	74	528	125586	126040
UN69452	Rsa1.0.00030.1	741	250988	1.00E-132	240	240	100 -	11	250	198811	199050
UN69453	Rsa1.0.01890.1	751	37542	2.33E-156	272	274	99 +	479	751	33545	33818
UN69454	Rsa1.0.00031.1	751	179862	0	598	644	92 -	114	745	92697	93340
UN69455	Rsa1.0.00203.1	663	109129	1.00E-101	197	200	98 -	328	527	64704	64903
UN69456	Rsa1.0.00731.1	793	66638	0	742	770	96 +	32	793	38528	39294
UN69457	Rsa1.0.02406.1	778	145276	1.00E-170	409	441	92 +	334	774	14515	14945

UN69458	Rsa1.0.00275.1	708	210104	0	425	440	96 -	269	708	155184	155623
UN69459	Rsa1.0.17009.1	770	1954	0	337	341	98 -	419	758	1258	1598
UN69460	Rsa1.0.01949.1	608	36960	1.00E-138	353	384	91 +	3	385	26043	26412
UN69461	Rsa1.0.04146.1	359	18833	1.00E-143	340	359	94 +	1	349	4329	4683
UN69462	Rsa1.0.00195.1	521	251884	0	498	521	95 +	3	521	12935	13452
UN69463	Rsa1.0.03191.1	455	145762	0	436	453	96 +	3	455	137157	137609
UN69464	Rsa1.0.03259.1	761	24290	1.00E-126	229	229	100 +	303	531	1339	1567
UN69465	Rsa1.0.00132.1	808	124299	1.00E-173	332	340	97 -	14	353	92484	92823
UN69466	Rsa1.0.01581.1	677	42833	0	428	436	98 +	244	677	28862	29297
UN69467	Rsa1.0.00009.1	680	232558	1.00E-120	246	255	96 -	426	680	146547	146801
UN69468	Rsa1.0.04870.1	783	135142	0	409	420	97 -	254	673	4854	5273
UN69469	Rsa1.0.14767.1	241	3079	3.00E-69	139	141	98 -	101	241	2623	2763
UN69470	Rsa1.0.01352.1	827	47443	0	452	474	95 -	361	827	8006	8479
UN69471	Rsa1.0.00133.1	631	123768	3.00E-96	242	263	92 +	373	629	36170	36423
UN69472	Rsa1.0.15187.1	738	2772	1.00E-166	347	359	96 +	24	381	1660	2013
UN69473	Rsa1.0.07527.1	753	9197	1.00E-138	276	284	97 -	75	355	4935	5218
UN69474	Rsa1.0.10053.1	772	6021	0	618	666	92 +	3	666	5280	5943
UN69475	Rsa1.0.01701.1	219	162121	2.00E-57	116	117	99 +	1	117	13193	13309
UN69476	Rsa1.0.00143.1	683	121313	1.00E-158	400	434	92 -	2	414	34168	34597
UN69477	Rsa1.0.29707.1	664	774	0	412	425	96 +	224	648	344	768
UN69478	Rsa1.0.02080.1	625	35297	0	493	495	99 +	131	625	10690	11184
UN69479	Rsa1.0.00473.1	796	212204	0	493	509	96 +	27	535	76191	76699
UN69480	Rsa1.0.00425.1	422	147080	1.00E-117	225	229	98 +	194	422	13682	13910
UN69481	Rsa1.0.05714.1	430	12850	3.00E-24	67	70	95 +	62	131	7838	7907
UN69482	Rsa1.0.03546.1	598	22172	1.00E-101	273	297	91 +	3	293	12716	13006
UN69483	Rsa1.0.03588.1	703	21908	0	444	446	99 -	3	448	1840	2285
UN69484	Rsa1.0.01494.1	674	44641	0	657	678	96 +	1	674	34576	35252
UN69485	Rsa1.0.00840.1	432	62514	2.00E-13	52	56	92 -	357	412	14812	14867
UN69486	Rsa1.0.00394.1	760	148426	0	451	461	97 -	3	458	88020	88480
UN69487	Rsa1.0.03513.1	751	22349	1.00E-180	337	343	98 -	4	346	20875	21217
UN69488	Rsa1.0.03614.1	754	21773	0	742	758	97 -	2	754	15168	15925
UN69489	Rsa1.0.00098.1	686	349239	0	669	682	98 -	11	686	295456	296136
UN69490	Rsa1.0.00636.1	301	71113	1.00E-162	289	289	100 -	3	291	8642	8930
UN69491	Rsa1.0.03502.1	650	22446	1.00E-92	191	197	96 +	145	341	9041	9237
UN69492	Rsa1.0.00007.1	634	239325	1.00E-107	238	248	95 +	74	317	41905	42151
UN69493	Rsa1.0.05498.1	571	13523	0	503	515	97 +	57	571	508	1022
UN69494	#	#	#	#	#	#	#	#	#	#	#
UN69495	Rsa1.0.02179.1	719	34188	8.00E-97	186	188	98 +	3	190	21413	21600
UN69496	Rsa1.0.00336.1	807	445051	8.00E-94	175	175	100 +	418	592	12465	12639

UN69497	Rsa1.0.02110.1	686	34919	0	380	383	99 -	32	414	34079	34461
UN69498	Rsa1.0.12152.1	623	5300	1.00E-14	70	78	89 -	517	593	621	698
UN69499	Rsa1.0.07561.1	590	9129	0	388	404	96 -	76	477	848	1250
UN69500	Rsa1.0.18823.1	575	1527	5.00E-88	229	249	91 -	28	265	389	637
UN69501	Rsa1.0.02150.1	203	34580	1.00E-67	180	197	91 +	3	199	16642	16832
UN69502	Rsa1.0.00218.1	590	201480	0	564	589	95 -	2	590	46327	46915
UN69503	#	#	#	#	#	#	#	#	#	#	#
UN69504	Rsa1.0.01412.1	451	46311	1.00E-147	267	268	99 +	3	270	1600	1867
UN69505	Rsa1.0.00706.1	761	291570	1.00E-150	285	290	98 +	174	463	47225	47514
UN69506	Rsa1.0.14764.1	781	3084	0	321	321	100 +	4	324	216	536
UN69507	Rsa1.0.08344.1	733	7500	0	722	733	98 -	3	733	5179	5908
UN69508	Rsa1.0.00364.1	684	90951	1.00E-161	300	304	98 +	362	665	20603	20906
UN69509	Rsa1.0.04098.1	285	19078	1.00E-113	269	284	94 -	6	285	11237	11516
UN69510	Rsa1.0.03130.1	348	25145	1.00E-162	336	348	96 -	2	348	22202	22546
UN69511	Rsa1.0.01904.1	473	37450	0	453	469	96 -	1	469	3216	3683
UN69512	Rsa1.0.06643.1	653	10615	5.00E-39	269	331	81 -	129	459	10285	10615
UN69513	Rsa1.0.01068.1	234	55208	4.00E-96	221	234	94 +	3	234	34529	34753
UN69514	Rsa1.0.00079.1	499	606987	8.00E-53	106	106	100 -	112	217	465312	465417
UN69515	Rsa1.0.00003.1	482	340054	1.00E-91	171	171	100 +	110	280	287193	287363
UN69516	Rsa1.0.00014.1	552	348985	0	354	357	99 -	196	552	241634	241990
UN69517	Rsa1.0.00017.1	723	752458	3.00E-96	212	223	95 +	221	443	351280	351502
UN69518	Rsa1.0.00026.1	115	327835	2.00E-49	112	115	97 -	1	115	30619	30732
UN69519	Rsa1.0.02241.1	697	33520	1.00E-131	268	276	97 -	2	275	2796	3069
UN69520	Rsa1.0.00659.1	441	69733	2.00E-90	202	210	96 +	233	439	55265	55471
UN69521	Rsa1.0.00392.1	742	88523	2.00E-72	196	215	91 -	289	503	80711	80925
UN69522	Rsa1.0.03562.1	765	22084	0	426	430	99 -	3	432	8467	8896
UN69523	Rsa1.0.01196.1	723	51097	1.00E-113	223	226	98 -	3	225	36823	37048
UN69524	Rsa1.0.06452.1	707	10994	1.00E-117	252	267	94 -	439	705	3283	3537
UN69525	Rsa1.0.01553.1	523	43379	0	355	362	98 +	162	523	6270	6627
UN69526	Rsa1.0.04833.1	838	148235	1.00E-18	118	141	83 +	3	143	137797	137937
UN69527	Rsa1.0.02421.1	753	31579	1.00E-114	289	312	92 -	370	679	28880	29188
UN69528	Rsa1.0.00265.1	793	220635	1.00E-114	241	249	96 -	3	250	190911	191157
UN69529	Rsa1.0.00985.1	799	161950	0	789	806	97 -	3	794	31104	31909
UN69530	Rsa1.0.23292.1	523	1059	0	480	512	93 +	3	507	554	1056
UN69531	Rsa1.0.72613.1	668	315	2.33E-156	306	321	95 -	170	490	1	315
UN69532	Rsa1.0.02372.1	759	32053	0	351	353	99 -	346	698	29549	29901
UN69533	Rsa1.0.02678.1	666	135053	0	395	414	95 -	6	419	130452	130850
UN69534	Rsa1.0.00175.1	744	166121	2.00E-66	183	196	93 -	544	729	144876	145071
UN69535	Rsa1.0.02659.1	576	28971	1.00E-137	250	251	99 -	264	514	11707	11957

UN69536	Rsa1.0.05605.1	725	13202	0	688	727	94 -	2	725	7497	8221
UN69537	Rsa1.0.00017.1	297	752458	1.00E-105	260	281	92 -	1	280	391673	391942
UN69538	Rsa1.0.32735.1	797	695	1.00E-168	299	299	100 -	407	705	5	303
UN69539	Rsa1.0.04786.1	621	15988	0	608	621	97 +	1	621	11349	11966
UN69540	Rsa1.0.09895.1	772	6101	0	749	780	96 -	1	772	3507	4286
UN69541	Rsa1.0.00246.1	605	103541	0	558	583	95 -	23	605	31682	32264
UN69542	Rsa1.0.04248.1	636	18287	1.00E-140	287	298	96 +	3	300	1354	1648
UN69543	Rsa1.0.03133.1	523	25135	1.00E-131	238	238	100 -	1	238	22604	22841
UN69544	Rsa1.0.00793.1	807	64103	2.33E-156	334	356	93 +	3	354	59926	60280
UN69545	Rsa1.0.01941.1	409	37069	1.00E-143	352	383	91 -	34	409	30877	31247
UN69546	Rsa1.0.01661.1	797	41400	0	445	450	98 -	2	451	33031	33480
UN69547	Rsa1.0.11276.1	482	5560	1.00E-115	237	246	96 -	201	446	445	690
UN69548	Rsa1.0.06408.1	797	11070	0	649	702	92 -	142	797	7260	7960
UN69549	Rsa1.0.00059.1	585	159650	1.00E-170	306	307	99 -	90	396	96523	96829
UN69550	Rsa1.0.07696.1	781	8769	1.00E-126	260	270	96 +	11	276	6401	6670
UN69551	Rsa1.0.01034.1	607	56046	1.00E-175	341	351	97 -	257	607	21838	22188
UN69552	Rsa1.0.04714.1	705	146738	1.00E-113	229	235	97 +	472	705	139509	139743
UN69553	Rsa1.0.00568.1	550	75219	0	472	483	97 -	68	550	2176	2658
UN69554	Rsa1.0.01111.1	792	53669	1.00E-118	248	258	96 -	3	260	35556	35810
UN69555	Rsa1.0.00472.1	470	398134	1.00E-110	312	346	90 +	2	341	166230	166564
UN69556	Rsa1.0.00745.1	749	66067	0	397	410	96 +	2	411	59172	59577
UN69557	Rsa1.0.00048.1	547	167185	1.00E-121	287	307	93 -	1	305	76604	76909
UN69558	Rsa1.0.08848.1	577	6865	4.00E-92	175	176	99 +	391	566	1	176
UN69559	Rsa1.0.00016.1	470	831256	1.00E-106	222	231	96 -	240	470	572230	572460
UN69560	Rsa1.0.04544.1	610	16917	2.00E-87	164	164	100 +	2	165	4564	4727
UN69561	Rsa1.0.01495.1	731	44613	0	630	638	98 -	87	721	35486	36123
UN69562	Rsa1.0.36137.1	665	625	2.00E-17	50	51	98 +	287	337	68	118
UN69563	Rsa1.0.00773.1	685	64839	0	656	683	96 -	2	682	53384	54066
UN69564	Rsa1.0.04850.1	757	15722	0	685	698	98 +	1	692	6546	7243
UN69565	Rsa1.0.00163.1	726	116847	1.00E-130	236	236	100 -	228	463	65088	65323
UN69566	Rsa1.0.03111.1	773	25327	0	371	377	98 -	280	655	4629	5005
UN69567	Rsa1.0.05977.1	820	12056	0	379	385	98 -	3	387	10349	10733
UN69568	Rsa1.0.00962.1	724	184909	0	718	722	99 +	4	724	8998	9719
UN69569	Rsa1.0.00921.1	734	59599	0	392	399	98 -	55	453	57356	57754
UN69570	Rsa1.0.01656.1	644	41494	1.00E-121	239	245	97 -	400	644	15380	15624
UN69571	Rsa1.0.01094.1	670	167285	1.00E-168	321	327	98 -	345	670	1917	2243
UN69572	Rsa1.0.00312.1	695	96765	4.00E-55	119	122	97 -	373	494	88582	88703
UN69573	Rsa1.0.00038.1	610	314568	0	396	403	98 -	18	416	241083	241485
UN69574	Rsa1.0.09954.1	343	6068	1.00E-119	254	266	95 -	61	323	4966	5225

UN69575	Rsa1.0.01626.1	243	41989	1.00E-104	200	203	98 -	41	243	16903	17105
UN69576	Rsa1.0.01202.1	487	158825	1.00E-165	295	295	100 -	1	295	9300	9594
UN69577	Rsa1.0.10462.1	343	5842	1.00E-149	268	268	100 +	76	343	3437	3704
UN69578	Rsa1.0.22514.1	618	1114	0	428	448	95 -	171	618	467	913
UN69579	Rsa1.0.00122.1	518	265937	0	493	538	91 +	4	518	224797	225329
UN69580	Rsa1.0.01180.1	340	51517	1.00E-131	279	293	95 -	3	295	34928	35220
UN69581	Rsa1.0.03728.1	794	21147	2.00E-88	184	189	97 +	116	302	12412	12600
UN69582	Rsa1.0.03937.1	523	19969	1.00E-100	224	236	94 -	35	270	5147	5380
UN69583	Rsa1.0.02276.1	303	33098	5.00E-65	158	170	92 -	141	301	25646	25815
UN69584	Rsa1.0.00913.1	475	59914	3.00E-58	165	177	93 -	304	475	11754	11929
UN69585	Rsa1.0.04139.1	769	18883	0	740	763	96 +	3	759	18036	18795
UN69586	Rsa1.0.00053.1	289	263459	1.00E-77	163	167	97 -	1	166	39454	39620
UN69587	Rsa1.0.03506.1	802	22416	0	734	791	92 +	1	783	7459	8239
UN69588	Rsa1.0.09401.1	303	6394	2.00E-98	198	202	98 -	102	303	2402	2602
UN69589	Rsa1.0.00582.1	677	74333	1.00E-165	318	326	97 -	3	328	60005	60330
UN69590	Rsa1.0.00036.1	779	176186	0	657	698	94 +	50	740	62977	63665
UN69591	Rsa1.0.01867.1	781	37960	1.00E-165	333	343	97 -	420	760	17224	17566
UN69592	Rsa1.0.04124.1	714	18945	0	594	620	95 -	94	713	3961	4580
UN69593	Rsa1.0.00564.1	720	75428	0	627	654	95 -	68	720	65648	66294
UN69594	Rsa1.0.21942.1	713	1161	3.00E-71	182	197	92 -	204	395	404	600
UN69595	Rsa1.0.01588.1	711	42724	6.00E-73	165	173	95 -	17	185	41412	41584
UN69596	Rsa1.0.00097.1	666	138858	1.00E-144	280	287	97 -	71	357	14814	15100
UN69597	Rsa1.0.01646.1	746	41735	2.00E-14	103	121	85 +	147	264	5886	6006
UN69598	Rsa1.0.00026.1	486	327835	2.00E-87	176	180	97 -	5	184	192173	192352
UN69599	Rsa1.0.00027.1	621	283362	1.00E-157	337	349	96 -	3	351	275355	275698
UN69600	Rsa1.0.55812.1	510	409	1.00E-131	241	242	99 -	269	510	42	283
UN69601	Rsa1.0.01555.1	701	166456	0	328	330	99 -	11	340	9770	10099
UN69602	Rsa1.0.01674.1	736	168300	1.00E-180	347	355	97 +	4	355	1846	2197
UN69603	Rsa1.0.00850.1	724	62193	0	625	721	86 +	2	722	41840	42559
UN69604	Rsa1.0.00110.1	654	132719	0	443	456	97 +	196	646	7044	7498
UN69605	Rsa1.0.00668.1	442	69421	0	428	433	98 -	3	435	27187	27619
UN69606	Rsa1.0.07569.1	681	9106	1.00E-151	357	383	93 -	120	498	4562	4941
UN69607	Rsa1.0.01460.1	765	45255	0	464	474	97 -	94	565	33286	33757
UN69608	Rsa1.0.02802.1	770	27736	1.00E-15	79	88	89 -	326	411	11111	11198
UN69609	Rsa1.0.51768.1	661	439	2.00E-69	140	142	98 +	344	485	192	333
UN69610	Rsa1.0.04416.1	736	17458	0	486	515	94 +	1	513	16945	17458
UN69611	Rsa1.0.01857.1	479	38103	0	388	391	99 -	91	479	22869	23259
UN69612	Rsa1.0.00156.1	521	118383	0	413	424	97 -	2	425	90008	90428
UN69613	Rsa1.0.00926.1	598	195072	1.00E-120	267	283	94 -	64	346	43023	43305

UN69614	Rsa1.0_00009.1	648	232558	1.00E-107	200	201	99 -	329	529	180269	180469
UN69615	Rsa1.0_00203.1	760	109129	0	713	751	94 +	19	760	88217	88964
UN69616	Rsa1.0_02294.1	740	32940	1.00E-154	320	332	96 +	376	705	12163	12494
UN69617	Rsa1.0_04236.1	702	18370	0	474	489	96 +	89	577	3343	3831
UN69618	Rsa1.0_00446.1	253	167829	1.00E-96	234	250	93 -	3	252	161282	161523
UN69619	Rsa1.0_00132.1	777	124299	0	738	784	94 +	5	777	65577	66360
UN69620	Rsa1.0_00027.1	732	283362	0	392	397	98 -	336	732	157387	157783
UN69621	Rsa1.0_01344.1	732	142535	0	702	735	95 +	4	731	127511	128245
UN69622	Rsa1.0_03319.1	749	23767	0	476	496	95 -	260	749	18324	18819
UN69623	Rsa1.0_01460.1	751	45255	0	490	508	96 -	244	751	36795	37302
UN69624	Rsa1.0_01625.1	181	42019	9.00E-41	120	134	89 -	8	141	21788	21909
UN69625	Rsa1.0_00642.1	122	201230	1.00E-20	60	63	95 +	60	122	178381	178443
UN69626	Rsa1.0_04973.1	726	15267	0	392	399	98 -	3	400	13811	14208
UN69627	Rsa1.0_09221.1	777	6549	1.00E-106	202	204	99 -	206	409	6346	6549
UN69628	Rsa1.0_01144.1	773	52431	0	388	401	96 +	380	773	23378	23777
UN69629	Rsa1.0_15315.1	479	2690	1.00E-45	154	171	90 -	3	169	2152	2320
UN69630	Rsa1.0_03025.1	780	25910	0	552	564	97 +	185	745	17782	18345
UN69631	Rsa1.0_00578.1	550	74581	0	545	545	100 -	6	550	51312	51856
UN69632	Rsa1.0_00416.1	646	86772	0	461	477	96 +	176	646	74497	74973
UN69633	Rsa1.0_04854.1	642	131560	1.00E-173	351	364	96 +	280	642	15144	15507
UN69634	Rsa1.0_00323.1	669	159650	1.00E-155	348	371	93 +	3	370	144840	145210
UN69635	Rsa1.0_01464.1	793	45193	0	430	442	97 +	3	444	38282	38721
UN69636	Rsa1.0_00006.1	677	396176	0	648	679	95 -	1	677	202709	203377
UN69637	Rsa1.0_00068.1	476	151813	1.00E-145	297	309	96 +	168	476	103183	103491
UN69638	Rsa1.0_02239.1	789	33534	0	379	394	96 +	3	396	26114	26507
UN69639	Rsa1.0_00051.1	771	258225	1.00E-141	292	304	96 -	472	771	47759	48062
UN69640	Rsa1.0_00480.1	721	81325	0	374	383	97 +	3	385	3549	3931
UN69641	Rsa1.0_03999.1	734	19645	0	403	412	97 -	312	722	8850	9261
UN69642	Rsa1.0_00236.1	679	104771	1.00E-118	446	522	85 +	157	675	14527	15039
UN69643	Rsa1.0_01633.1	736	41868	1.00E-135	251	252	99 +	486	736	3048	3299
UN69644	Rsa1.0_00320.1	554	95784	0	446	487	91 -	2	470	27691	28177
UN69645	Rsa1.0_00324.1	583	218805	1.00E-168	312	316	98 +	268	583	161100	161415
UN69646	Rsa1.0_03100.1	656	25411	0	405	412	98 +	33	444	17252	17663
UN69647	Rsa1.0_14148.1	556	3735	0	511	512	99 +	1	512	3224	3735
UN69648	Rsa1.0_06471.1	727	10954	0	520	553	94 -	121	669	1444	1984
UN69649	Rsa1.0_00539.1	590	76926	1.00E-151	274	275	99 +	3	277	14379	14653
UN69650	Rsa1.0_00501.1	508	79545	1.00E-155	298	305	97 +	179	483	67885	68189
UN69651	Rsa1.0_03216.1	776	24540	1.00E-100	197	201	98 -	5	205	13385	13585
UN69652	Rsa1.0_00077.1	762	145005	3.00E-90	172	173	99 -	2	174	91242	91414

UN69653	Rsa1.0.00080.1	716	190437	1.00E-125	236	239	98 -	1	239	37681	37919
UN69654	Rsa1.0.00419.1	784	86562	1.00E-124	286	306	93 -	200	505	16660	16965
UN69655	Rsa1.0.00838.1	361	153820	6.00E-96	203	210	96 +	3	212	58597	58800
UN69656	Rsa1.0.04421.1	578	17430	0	519	576	90 -	2	577	15244	15819
UN69657	Rsa1.0.01282.1	786	49304	0	765	786	97 -	1	783	14465	15250
UN69658	Rsa1.0.00122.1	745	265937	1.00E-177	378	401	94 -	4	389	82124	82524
UN69659	Rsa1.0.01668.1	643	41299	0	535	542	98 +	99	640	6326	6863
UN69660	Rsa1.0.00045.1	685	328694	0	458	481	95 +	193	668	314632	315112
UN69661	Rsa1.0.00283.1	314	183797	1.00E-129	296	317	93 +	1	314	66431	66735
UN69662	Rsa1.0.00043.1	676	264937	1.00E-142	347	379	91 -	313	676	7332	7710
UN69663	Rsa1.0.05603.1	724	13210	0	377	382	98 +	345	724	2942	3323
UN69664	Rsa1.0.27953.1	759	833	1.00E-149	287	292	98 -	463	753	21	312
UN69665	Rsa1.0.10110.1	544	5994	1.00E-180	492	550	89 -	2	544	4202	4727
UN69666	Rsa1.0.35884.1	194	630	4.00E-80	151	151	100 +	1	151	480	630
UN69667	Rsa1.0.00556.1	238	207212	1.00E-114	234	241	97 -	1	238	184980	185218
UN69668	Rsa1.0.01530.1	623	43820	1.00E-64	181	197	91 -	1	193	5090	5282
UN69669	Rsa1.0.01389.1	382	46716	1.00E-149	339	359	94 -	2	355	30331	30686
UN69670	Rsa1.0.00418.1	478	215377	1.00E-171	447	493	90 +	1	477	24313	24796
UN69671	Rsa1.0.00045.1	171	328694	8.00E-35	143	163	87 -	12	171	16676	16829
UN69672	Rsa1.0.02201.1	121	33981	2.00E-46	113	118	95 +	5	121	26581	26698
UN69673	Rsa1.0.02501.1	110	30764	5.00E-44	105	110	95 +	1	110	10604	10713
UN69674	Rsa1.0.02320.1	648	32575	1.00E-82	189	200	94 -	37	236	24899	25098
UN69675	Rsa1.0.00593.1	481	143463	1.00E-109	219	225	97 +	125	349	55065	55289
UN69676	Rsa1.0.06503.1	249	10881	5.00E-80	190	202	94 +	1	202	6521	6720
UN69677	Rsa1.0.11859.1	786	5389	0	545	575	94 +	1	565	4392	4965
UN69678	Rsa1.0.05428.1	638	13789	1.00E-135	291	304	95 +	1	304	6185	6486
UN69679	Rsa1.0.06940.1	721	10137	1.00E-155	323	337	95 +	1	335	8421	8757
UN69680	Rsa1.0.00156.1	631	118383	1.00E-168	372	395	94 -	1	395	60076	60463
UN69681	Rsa1.0.03612.1	718	21784	0	643	674	95 -	20	693	1189	1862
UN69682	Rsa1.0.36288.1	342	621	2.00E-30	68	68	100 +	252	319	1	68
UN69683	Rsa1.0.07512.1	513	9228	0	470	511	91 +	2	511	1256	1765
UN69684	Rsa1.0.00353.1	507	92242	0	455	477	95 +	14	489	59432	59906
UN69685	Rsa1.0.02916.1	139	26809	6.00E-32	106	117	90 -	12	126	5835	5951
UN69686	Rsa1.0.02470.1	664	31108	0	355	364	97 -	39	402	7070	7428
UN69687	Rsa1.0.10563.1	361	5800	1.00E-176	347	357	97 -	1	357	4969	5324
UN69688	Rsa1.0.08846.1	663	6867	1.00E-107	245	257	95 +	1	257	4052	4300
UN69689	Rsa1.0.01655.1	520	41508	0	423	439	96 -	1	437	6342	6778
UN69690	Rsa1.0.00793.1	691	64103	2.00E-81	217	234	92 -	23	253	38449	38682
UN69691	Rsa1.0.00035.1	456	176449	0	434	456	95 -	1	456	50124	50579

UN69692	Rsa1.0.00123.1	104	325650	2.00E-40	93	96	96 -	9	104	227155	227250
UN69693	Rsa1.0.06603.1	217	10682	4.00E-74	207	229	90 -	3	217	5545	5772
UN69694	Rsa1.0.02843.1	252	27383	1.00E-114	243	252	96 -	1	252	23933	24181
UN69695	Rsa1.0.00037.1	462	307838	0	438	458	95 +	1	456	175912	176366
UN69696	Rsa1.0.01724.1	250	40292	4.00E-99	214	223	95 -	1	222	19668	19890
UN69697	Rsa1.0.00342.1	673	93695	1.00E-112	228	234	97 +	1	234	12932	13164
UN69698	Rsa1.0.01435.1	557	45942	1.00E-159	336	353	95 -	205	557	41113	41465
UN69699	Rsa1.0.00320.1	535	95784	2.33E-156	293	303	96 +	233	535	8414	8716
UN69700	Rsa1.0.27770.1	460	840	6.00E-78	154	156	98 +	184	339	27	182
UN69701	Rsa1.0.00482.1	287	81162	1.00E-93	209	218	95 +	2	219	25730	25945
UN69702	Rsa1.0.03499.1	508	22462	0	491	513	95 +	1	508	8400	8908
UN69703	Rsa1.0.01459.1	590	45277	0	372	385	96 +	1	385	22444	22828
UN69704	Rsa1.0.00069.1	285	403561	1.00E-112	262	280	93 -	1	280	170898	171175
UN69705	Rsa1.0.00552.1	698	206757	1.00E-130	253	256	98 -	3	257	187345	187599
UN69706	Rsa1.0.00199.1	428	249604	1.00E-178	373	392	95 -	37	428	164435	164826
UN69707	Rsa1.0.01463.1	784	45213	0	764	787	97 +	1	784	34739	35525
UN69708	Rsa1.0.00361.1	255	91181	1.00E-116	244	255	95 -	1	255	47852	48106
UN69709	Rsa1.0.00329.1	334	222544	1.00E-163	308	313	98 -	25	334	186887	187199
UN69710	Rsa1.0.01919.1	666	37272	0	449	464	96 +	20	477	3530	3991
UN69711	Rsa1.0.04729.1	520	16201	1.00E-115	241	250	96 +	4	253	11807	12055
UN69712	Rsa1.0.04697.1	579	16336	0	388	409	94 -	1	409	7245	7653
UN69713	Rsa1.0.00699.1	827	184398	0	395	409	96 -	1	408	177779	178181
UN69714	Rsa1.0.00490.1	437	186713	0	426	437	97 -	1	437	31277	31713
UN69715	Rsa1.0.00620.1	737	71985	1.00E-162	314	322	97 +	408	729	54806	55127
UN69716	Rsa1.0.00207.1	260	248736	6.00E-83	232	255	90 -	1	253	22760	23008
UN69717	Rsa1.0.01527.1	650	43905	6.00E-54	108	108	100 -	322	429	6181	6288
UN69718	Rsa1.0.02668.1	796	28895	0	745	768	97 -	2	767	5065	5829
UN69719	Rsa1.0.04845.1	433	15747	3.00E-64	195	221	88 -	1	221	6110	6312
UN69720	Rsa1.0.01459.1	864	45277	0	832	870	95 +	1	864	35842	36703
UN69721	Rsa1.0.00363.1	736	90968	0	685	731	93 +	9	736	13513	14233
UN69722	Rsa1.0.02092.1	786	35135	0	751	781	96 -	1	775	27152	27929
UN69723	Rsa1.0.00224.1	716	327530	1.00E-120	257	268	95 -	7	273	201452	201719
UN69724	Rsa1.0.00382.1	252	251946	1.00E-71	170	181	93 -	1	181	45789	45969
UN69725	Rsa1.0.03143.1	820	25024	0	761	796	95 -	31	820	12490	13270
UN69726	Rsa1.0.00065.1	655	454616	1.00E-158	368	393	93 +	1	390	417286	417667
UN69727	Rsa1.0.00678.1	755	193163	0	686	724	94 +	2	725	174462	175181
UN69728	Rsa1.0.01907.1	693	37431	0	604	639	94 +	5	641	18386	19011
UN69729	Rsa1.0.05854.1	377	12415	1.00E-179	359	373	96 -	1	373	1682	2054
UN69730	Rsa1.0.00519.1	266	197864	1.00E-104	256	274	93 +	1	266	69737	70009

UN69731	Rsa1.0.00469.1	579	82084	4.00E-64	137	141	97 -	312	452	69412	69552
UN69732	Rsa1.0.01963.1	744	36719	0	502	524	95 -	1	523	35532	36055
UN69733	Rsa1.0.01394.1	651	46641	4.00E-80	155	156	99 +	214	369	5219	5374
UN69734	Rsa1.0.07869.1	287	8386	4.00E-47	139	152	91 -	1	152	571	721
UN69735	Rsa1.0.01078.1	424	316910	1.00E-105	212	218	97 +	207	424	290400	290617
UN69736	Rsa1.0.09775.1	390	6156	1.00E-120	242	249	97 -	142	390	4847	5092
UN69737	Rsa1.0.01163.1	774	51946	0	599	610	98 -	1	609	22502	23109
UN69738	Rsa1.0.01591.1	103	42718	2.00E-37	91	95	95 +	6	100	26845	26939
UN69739	Rsa1.0.04831.1	649	15799	6.00E-14	95	113	84 +	441	553	12889	13001
UN69740	Rsa1.0.00069.1	790	403561	0	768	789	97 -	3	790	18316	19100
UN69741	Rsa1.0.01875.1	446	37849	1.00E-122	259	271	95 +	180	445	25879	26149
UN69742	Rsa1.0.00222.1	764	172263	0	760	765	99 +	1	764	152931	153695
UN69743	Rsa1.0.00466.1	319	82132	1.00E-104	295	325	90 +	1	319	27048	27371
UN69744	Rsa1.0.00002.1	888	601661	0	537	565	95 -	297	853	411347	411897
UN69745	Rsa1.0.06164.1	724	11584	1.00E-110	308	346	89 -	66	388	3193	3538
UN69746	Rsa1.0.00107.1	350	431659	1.00E-159	334	349	95 +	3	350	346408	346752
UN69747	Rsa1.0.15270.1	590	2718	0	570	592	96 -	1	590	1781	2371
UN69748	Rsa1.0.00463.1	298	189177	1.00E-120	257	270	95 -	1	270	116365	116634
UN69749	Rsa1.0.00377.1	739	90038	0	582	603	96 -	20	621	4691	5293
UN69750	Rsa1.0.04845.1	122	15747	2.00E-53	119	122	97 -	1	122	6186	6306
UN69751	Rsa1.0.04892.1	673	15573	1.00E-103	251	275	91 +	1	253	6189	6463
UN69752	Rsa1.0.07389.1	203	9479	2.00E-75	164	171	95 +	33	203	1124	1294
UN69753	Rsa1.0.53538.1	627	426	4.00E-92	322	376	85 +	13	368	2	350
UN69754	Rsa1.0.00271.1	433	101125	1.00E-117	270	287	94 -	1	285	97740	98024
UN69755	Rsa1.0.01339.1	748	47813	1.00E-116	295	320	92 -	1	313	14806	15124
UN69756	Rsa1.0.00940.1	252	179946	1.00E-118	242	251	96 -	2	252	176099	176349
UN69757	Rsa1.0.00226.1	584	105884	6.00E-88	215	230	93 +	1	230	79100	79324
UN69758	Rsa1.0.05043.1	606	15044	1.00E-113	259	273	94 -	1	268	332	603
UN69759	Rsa1.0.01100.1	593	54113	0	550	585	94 -	21	593	24339	24923
UN69760	Rsa1.0.00187.1	866	393093	0	452	466	96 +	1	459	155728	156191
UN69761	Rsa1.0.00336.1	141	445051	2.00E-47	129	141	91 +	1	141	766	898
UN69762	Rsa1.0.00015.1	780	561803	0	414	422	98 -	32	450	217939	218359
UN69763	Rsa1.0.02199.1	278	33982	7.00E-64	142	148	95 -	98	245	13612	13759
UN69764	Rsa1.0.00092.1	545	659932	1.00E-173	332	340	97 -	206	545	199179	199518
UN69765	Rsa1.0.02791.1	659	27832	0	516	528	97 -	1	528	7704	8231
UN69766	Rsa1.0.00033.1	553	515811	0	528	568	92 -	4	553	30990	31557
UN69767	Rsa1.0.01534.1	283	43764	1.00E-100	265	289	91 +	1	282	10800	11088
UN69768	Rsa1.0.13824.1	539	4259	0	442	460	96 +	22	481	2075	2534
UN69769	Rsa1.0.00301.1	360	365315	1.00E-171	348	361	96 -	1	360	48575	48935

UN69770	Rsa1.0.00016.1	413	831256	0	396	413	95 +	1	413	375572	375978
UN69771	Rsa1.0.00699.1	457	184398	0	438	459	95 +	4	457	31024	31477
UN69772	Rsa1.0.00065.1	177	454616	3.00E-22	125	149	83 +	30	177	444334	444472
UN69773	Rsa1.0.00119.1	385	467509	2.00E-74	258	286	90 +	5	286	385633	385914
UN69774	Rsa1.0.02032.1	501	35830	1.00E-127	297	317	93 -	17	332	3825	4138
UN69775	Rsa1.0.00377.1	669	90038	1.00E-148	351	379	92 +	7	374	51761	52136
UN69776	Rsa1.0.00728.1	523	66704	1.00E-116	250	261	95 -	1	260	36897	37153
UN69777	Rsa1.0.00308.1	670	96915	1.00E-142	321	342	93 -	10	350	81326	81655
UN69778	Rsa1.0.01667.1	793	41315	0	728	752	96 -	26	765	33670	34420
UN69779	Rsa1.0.00369.1	713	266462	0	528	585	90 -	1	581	180846	181403
UN69780	Rsa1.0.01937.1	638	37147	0	393	404	97 -	2	405	21081	21480
UN69781	Rsa1.0.01937.1	715	37147	0	691	701	98 -	16	715	2333	3033
UN69782	Rsa1.0.00730.1	119	66673	1.00E-26	103	117	88 -	1	117	53844	53955
UN69783	Rsa1.0.00759.1	700	65465	0	397	411	96 -	1	411	9402	9811
UN69784	Rsa1.0.52120.1	447	436	2.00E-84	211	228	92 +	10	233	108	335
UN69785	Rsa1.0.00690.1	522	140527	3.00E-52	178	200	89 -	2	190	31844	32041
UN69786	Rsa1.0.05569.1	194	13311	2.00E-38	106	113	93 +	1	112	4165	4277
UN69787	Rsa1.0.00456.1	534	82826	1.00E-91	195	203	96 +	206	408	66344	66546
UN69788	Rsa1.0.05112.1	652	14814	1.00E-157	331	348	95 +	1	342	11187	11534
UN69789	#	#	#	#	#	#	#	#	#	#	#
UN69790	Rsa1.0.05271.1	302	14306	1.00E-138	290	302	96 -	1	301	10319	10612
UN69791	Rsa1.0.00713.1	413	158017	1.00E-173	366	385	95 -	27	409	150578	150955
UN69792	Rsa1.0.00706.1	536	291570	1.00E-107	268	290	92 +	7	281	232669	232957
UN69793	Rsa1.0.00055.1	560	520193	1.00E-125	302	329	91 -	244	560	40388	40716
UN69794	Rsa1.0.01389.1	219	46716	4.00E-68	193	210	91 -	10	216	30384	30592
UN69795	Rsa1.0.00358.1	145	91293	3.00E-49	134	143	93 +	1	143	35194	35334
UN69796	Rsa1.0.03100.1	529	25411	0	511	527	96 -	3	529	6832	7358
UN69797	Rsa1.0.05495.1	201	13534	3.00E-84	191	201	95 +	1	201	486	684
UN69798	Rsa1.0.01660.1	270	41400	1.00E-101	229	243	94 -	1	243	27246	27488
UN69799	Rsa1.0.00358.1	717	91293	1.00E-174	341	350	97 -	2	351	34290	34638
UN69800	Rsa1.0.02097.1	473	35036	1.00E-110	276	297	92 -	1	294	19172	19467
UN69801	#	#	#	#	#	#	#	#	#	#	#
UN69802	Rsa1.0.23460.1	544	1047	0	372	383	97 -	144	526	1	383
UN69803	Rsa1.0.06312.1	529	11253	1.00E-143	310	327	94 -	50	373	6117	6443
UN69804	Rsa1.0.10486.1	723	5830	1.00E-177	349	359	97 -	30	387	1667	2025
UN69805	Rsa1.0.00951.1	430	164588	1.00E-170	356	370	96 +	2	370	48275	48641
UN69806	Rsa1.0.03452.1	533	22817	1.00E-158	337	354	95 -	2	354	20027	20380
UN69807	Rsa1.0.00671.1	307	397884	1.00E-138	295	308	95 +	1	307	133496	133802
UN69808	Rsa1.0.00003.1	807	340054	0	561	582	96 -	1	577	263741	264322

UN69809	Rsa1.0.00001.1	217	363028	2.00E-88	204	217	94 +	1	217	140039	140255
UN69810	Rsa1.0.02908.1	608	26859	1.00E-126	296	315	93 -	5	316	9465	9777
UN69811	Rsa1.0.00054.1	744	162053	1.00E-101	280	306	91 +	1	305	14585	14886
UN69812	Rsa1.0.00529.1	612	77487	1.00E-131	292	310	94 +	162	471	21063	21372
UN69813	Rsa1.0.00152.1	296	257730	1.00E-132	284	298	95 -	2	296	11944	12238
UN69814	Rsa1.0.01153.1	652	52264	0	595	624	95 -	34	652	49765	50388
UN69815	Rsa1.0.01338.1	764	155644	1.00E-172	462	514	89 +	1	513	142015	142494
UN69816	Rsa1.0.13676.1	150	4504	4.00E-58	141	150	94 -	1	150	573	722
UN69817	Rsa1.0.01727.1	685	40243	0	593	627	94 +	24	639	29963	30588
UN69818	Rsa1.0.31443.1	411	727	3.00E-67	195	215	90 +	1	210	495	709
UN69819	Rsa1.0.00032.1	617	306326	0	541	568	95 +	2	560	146606	147170
UN69820	Rsa1.0.00930.1	153	59224	8.00E-44	103	106	97 -	5	109	49934	50039
UN69821	Rsa1.0.00094.1	595	139042	1.00E-160	344	361	95 -	3	363	97239	97596
UN69822	Rsa1.0.02884.1	763	27034	0	732	755	96 +	9	763	22013	22761
UN69823	Rsa1.0.02008.1	818	36109	0	804	823	97 -	1	818	13805	14627
UN69824	Rsa1.0.03843.1	246	20496	3.00E-26	67	69	97 -	68	136	7306	7374
UN69825	Rsa1.0.00621.1	640	71840	1.00E-120	262	275	95 -	231	504	50769	51043
UN69826	Rsa1.0.00055.1	854	520193	2.00E-94	182	184	98 +	360	543	157579	157762
UN69827	Rsa1.0.02884.1	207	27034	3.00E-84	194	206	94 -	2	207	12830	13035
UN69828	Rsa1.0.02663.1	325	169243	1.00E-133	304	325	93 -	1	325	7875	8199
UN69829	Rsa1.0.00531.1	588	77387	1.00E-119	223	225	99 -	153	377	25140	25364
UN69830	Rsa1.0.00069.1	638	403561	0	555	575	96 +	32	604	130982	131556
UN69831	Rsa1.0.00057.1	116	160473	3.00E-39	103	110	93 -	3	112	50015	50124
UN69832	Rsa1.0.04862.1	529	15688	0	515	529	97 -	1	529	5186	5711
UN69833	Rsa1.0.00457.1	592	337301	0	387	401	96 -	48	448	139977	140377
UN69834	Rsa1.0.01000.1	568	57140	1.00E-134	308	328	93 +	93	420	2428	2750
UN69835	Rsa1.0.00503.1	462	79468	1.00E-114	325	359	90 -	34	389	69177	69532
UN69836	Rsa1.0.00017.1	428	752458	1.00E-176	397	424	93 +	1	424	293359	293775
UN69837	Rsa1.0.01506.1	829	44370	1.00E-110	338	382	88 +	1	374	31379	31747
UN69838	Rsa1.0.04880.1	811	15612	0	635	694	91 +	1	675	566	1258
UN69839	Rsa1.0.00628.1	326	214360	1.00E-122	278	292	95 +	1	290	34471	34758
UN69840	Rsa1.0.01580.1	632	42852	1.00E-100	224	237	94 -	158	394	24650	24886
UN69841	Rsa1.0.00071.1	237	345714	1.00E-117	231	237	97 +	1	237	66103	66339
UN69842	Rsa1.0.05795.1	128	12609	1.00E-54	123	128	96 +	1	128	7701	7828
UN69843	Rsa1.0.03332.1	763	23665	0	712	738	96 -	29	763	13107	13842
UN69844	Rsa1.0.00373.1	700	90296	1.00E-137	283	292	96 -	4	294	28442	28732
UN69845	Rsa1.0.01679.1	748	146876	1.00E-106	282	310	90 -	1	297	142893	143202
UN69846	Rsa1.0.02224.1	762	33758	0	725	756	95 -	8	762	3801	4554
UN69847	Rsa1.0.00679.1	515	68971	1.00E-108	205	207	99 -	294	500	60439	60645

UN69848	Rsa1.0.00007.1	633	239325	1.00E-122	391	439	89 -	220	624	53028	53464
UN69849	Rsa1.0.00669.1	718	69419	0	447	463	96 +	1	462	34915	35374
UN69850	Rsa1.0.00518.1	225	78360	1.00E-65	127	127	100 +	1	127	66810	66936
UN69851	Rsa1.0.02860.1	215	27207	1.00E-89	205	216	94 +	1	215	25035	25246
UN69852	Rsa1.0.00821.1	165	62891	3.00E-68	159	167	95 -	1	165	48020	48182
UN69853	Rsa1.0.56249.1	469	407	2.00E-84	165	167	98 -	32	198	241	407
UN69854	Rsa1.0.00010.1	173	294827	7.00E-23	132	155	85 +	15	169	135526	135678
UN69855	Rsa1.0.04057.1	118	19333	4.00E-51	114	118	96 -	1	118	3579	3696
UN69856	Rsa1.0.00060.1	338	502678	6.00E-99	204	211	96 -	128	338	391355	391565
UN69857	Rsa1.0.04194.1	468	132734	0	443	452	98 +	13	464	125366	125817
UN69858	Rsa1.0.02244.1	245	33494	8.00E-45	140	155	90 +	93	245	12852	13006
UN69859	Rsa1.0.00520.1	255	78226	5.00E-68	164	175	93 +	70	244	1849	2023
UN69860	Rsa1.0.00910.1	596	59975	1.00E-112	292	319	91 +	4	321	30977	31276
UN69861	Rsa1.0.00377.1	584	90038	0	552	577	95 -	8	584	69304	69874
UN69862	Rsa1.0.02494.1	315	132923	5.00E-16	110	130	84 -	10	135	121608	121732
UN69863	Rsa1.0.13593.1	387	4685	1.00E-112	320	353	90 -	42	386	428	779
UN69864	Rsa1.0.03808.1	373	20732	1.00E-179	357	370	96 +	4	373	644	1013
UN69865	Rsa1.0.00301.1	688	365315	0	482	506	95 +	3	508	54314	54807
UN69866	Rsa1.0.05581.1	725	13272	0	513	541	94 -	64	600	5476	6010
UN69867	Rsa1.0.00157.1	451	245832	6.00E-78	157	159	98 +	1	157	76367	76525
UN69868	Rsa1.0.00457.1	671	337301	0	556	598	92 +	13	610	334157	334731
UN69869	Rsa1.0.00193.1	848	194198	2.33E-156	293	303	96 +	370	672	103331	103633
UN69870	Rsa1.0.02550.1	773	291051	0	383	390	98 +	385	773	274287	274676
UN69871	Rsa1.0.00807.1	773	63607	0	744	772	96 +	7	773	16849	17617
UN69872	Rsa1.0.02133.1	119	34726	7.00E-22	92	104	88 -	8	109	33066	33169
UN69873	Rsa1.0.05559.1	657	13329	0	426	440	96 -	83	522	8434	8872
UN69874	Rsa1.0.02215.1	382	33822	1.00E-102	249	268	92 +	1	267	16203	16470
UN69875	Rsa1.0.00437.1	329	84879	2.00E-98	265	288	92 +	42	329	70220	70501
UN69876	Rsa1.0.00589.1	772	209965	0	748	755	99 -	1	754	49587	50341
UN69877	Rsa1.0.01034.1	621	56046	0	366	378	96 -	242	619	19795	20172
UN69878	Rsa1.0.01405.1	232	46445	1.00E-99	220	232	94 -	1	232	16075	16306
UN69879	Rsa1.0.00435.1	438	317579	1.00E-134	289	301	96 -	1	298	66819	67117
UN69880	Rsa1.0.00911.1	762	59943	0	572	597	95 -	6	598	42158	42754
UN69881	Rsa1.0.00123.1	699	325650	1.00E-141	264	267	98 -	406	672	64895	65161
UN69882	Rsa1.0.00583.1	668	74309	1.00E-115	303	334	90 +	215	548	71952	72285
UN69883	Rsa1.0.01146.1	633	163455	1.00E-95	267	296	90 -	1	289	15434	15728
UN69884	Rsa1.0.00096.1	701	198773	1.00E-70	151	156	96 -	211	366	173444	173599
UN69885	Rsa1.0.03391.1	643	23251	0	569	594	95 +	55	640	2370	2963
UN69886	Rsa1.0.14400.1	136	3430	1.00E-35	120	136	88 -	1	136	247	373

UN69887	Rsa1.0.00611.1	178	72410	2.00E-32	149	170	87 +	1	169	5806	5971
UN69888	Rsa1.0.00789.1	140	64233	2.00E-35	129	146	88 +	1	138	49331	49476
UN69889	Rsa1.0.04744.1	105	16154	2.00E-34	96	102	94 -	1	101	7378	7479
UN69890	Rsa1.0.02527.1	745	177225	1.00E-135	270	276	97 -	7	280	19360	19635
UN69891	Rsa1.0.00061.1	451	218685	1.00E-110	217	222	97 +	230	451	67202	67423
UN69892	Rsa1.0.00195.1	388	251884	2.00E-43	196	229	85 -	162	388	228575	228802
UN69893	Rsa1.0.00122.1	716	265937	0	691	716	96 +	1	716	30227	30942
UN69894	#	#	#	#	#	#	#	#	#	#	#
UN69895	Rsa1.0.00344.1	681	191774	1.00E-177	342	350	97 -	1	349	104082	104431
UN69896	Rsa1.0.06083.1	389	11780	1.00E-106	256	275	93 +	7	281	7906	8179
UN69897	Rsa1.0.04438.1	619	17361	0	424	454	93 +	12	455	2621	3074
UN69898	Rsa1.0.01220.1	680	161775	1.00E-125	262	273	95 -	295	564	120189	120461
UN69899	Rsa1.0.04670.1	294	16453	1.00E-130	266	275	96 -	19	292	5546	5820
UN69900	Rsa1.0.00184.1	619	218748	0	601	621	96 -	1	619	44106	44724
UN69901	Rsa1.0.00128.1	406	228675	1.00E-121	235	240	97 -	166	405	66275	66514
UN69902	Rsa1.0.00847.1	572	62270	1.00E-127	298	320	93 -	127	443	55145	55464
UN69903	Rsa1.0.02481.1	775	31035	4.00E-28	95	105	90 +	665	769	11396	11500
UN69904	Rsa1.0.01091.1	853	54383	0	469	496	94 +	45	540	11415	11893
UN69905	Rsa1.0.04716.1	745	16262	0	707	734	96 -	1	731	5986	6716
UN69906	Rsa1.0.02525.1	338	30489	1.00E-69	134	134	100 -	128	261	15988	16121
UN69907	Rsa1.0.01292.1	148	175783	8.00E-50	137	147	93 +	5	148	156801	156942
UN69908	Rsa1.0.02606.1	580	29635	1.00E-178	381	398	95 -	1	396	7554	7947
UN69909	Rsa1.0.00390.1	671	88681	0	565	576	98 -	96	671	51247	51822
UN69910	Rsa1.0.31858.1	439	716	1.00E-171	323	329	98 -	111	439	382	710
UN69911	Rsa1.0.12933.1	279	5071	1.00E-99	262	291	90 +	1	279	3423	3706
UN69912	Rsa1.0.01182.1	179	167304	3.00E-68	168	178	94 +	1	175	165237	165414
UN69913	Rsa1.0.00196.1	776	109960	0	723	765	94 -	1	762	11238	12001
UN69914	Rsa1.0.00923.1	892	153678	0	450	475	94 +	1	472	38696	39160
UN69915	Rsa1.0.05360.1	332	14053	1.00E-158	323	331	97 -	1	329	9319	9647
UN69916	Rsa1.0.04288.1	776	18077	0	709	773	91 +	8	776	4655	5403
UN69917	Rsa1.0.03494.1	610	22509	0	594	611	97 -	2	610	15250	15858
UN69918	Rsa1.0.08779.1	495	6929	0	447	468	95 -	30	495	2797	3263
UN69919	Rsa1.0.04732.1	518	16193	0	516	518	99 -	1	518	4141	4658
UN69920	Rsa1.0.00116.1	674	365886	1.00E-104	307	341	90 -	1	325	313534	313868
UN69921	Rsa1.0.00910.1	607	59975	1.00E-140	314	330	95 +	9	338	30954	31276
UN69922	Rsa1.0.00353.1	356	92242	3.00E-88	211	221	95 +	1	219	55710	55928
UN69923	Rsa1.0.00060.1	723	502678	1.00E-137	292	305	95 -	3	303	495990	496294
UN69924	Rsa1.0.01578.1	265	42880	1.00E-124	258	268	96 +	1	265	35813	36080
UN69925	Rsa1.0.01234.1	365	50183	1.00E-112	331	376	88 -	2	365	20645	20997

UN69926	Rsa1.0_17501.1	257	1815	9.00E-85	236	258	91 +	1	254	1160	1417
UN69927	Rsa1.0_00782.1	323	64468	1.00E-109	289	320	90 -	8	323	28399	28707
UN69928	Rsa1.0_05943.1	614	12158	1.00E-156	391	425	92 +	13	436	6186	6605
UN69929	Rsa1.0_04132.1	755	18917	1.00E-103	214	222	96 -	372	593	12904	13125
UN69930	Rsa1.0_04519.1	391	17004	1.00E-122	342	383	89 -	4	378	15418	15800
UN69931	Rsa1.0_00360.1	651	91190	0	621	652	95 -	1	651	80884	81530
UN69932	Rsa1.0_05884.1	847	12337	0	591	625	94 -	183	807	434	1054
UN69933	Rsa1.0_02941.1	163	26583	8.00E-44	147	165	89 -	1	163	22686	22850
UN69934	Rsa1.0_03352.1	452	23506	7.00E-96	229	243	94 -	1	239	9339	9574
UN69935	Rsa1.0_00307.1	734	199003	1.00E-80	162	165	98 -	301	465	79355	79519
UN69936	Rsa1.0_00112.1	155	132199	9.00E-53	143	155	92 +	1	155	43245	43396
UN69937	Rsa1.0_01431.1	390	167877	0	374	390	95 -	1	390	150058	150439
UN69938	Rsa1.0_00564.1	402	75428	1.00E-144	385	420	91 +	1	398	60618	61030
UN69939	Rsa1.0_08744.1	545	6970	0	477	509	93 -	1	505	1459	1956
UN69940	Rsa1.0_01183.1	601	51465	0	574	593	96 -	10	601	41679	42266
UN69941	Rsa1.0_01618.1	602	42118	5.00E-82	233	257	90 +	6	251	17334	17587
UN69942	Rsa1.0_00085.1	702	142226	1.00E-124	270	281	96 +	3	283	28456	28732
UN69943	Rsa1.0_00257.1	688	102407	0	627	654	95 +	35	688	86125	86773
UN69944	Rsa1.0_03783.1	131	20890	2.00E-50	127	133	95 +	1	131	17869	18001
UN69945	Rsa1.0_00848.1	195	152362	1.00E-76	190	205	92 +	1	195	901	1105
UN69946	Rsa1.0_00127.1	444	127446	1.00E-140	309	328	94 -	1	328	83975	84302
UN69947	Rsa1.0_01595.1	511	175383	3.00E-95	214	224	95 +	3	224	5856	6078
UN69948	Rsa1.0_00333.1	775	94500	0	744	776	95 +	1	775	35195	35961
UN69949	Rsa1.0_02178.1	402	156197	1.00E-142	367	403	91 -	1	402	150529	150931
UN69950	Rsa1.0_00632.1	175	183777	2.00E-38	84	85	98 -	88	172	679	763
UN69951	Rsa1.0_00847.1	730	62270	1.00E-107	229	238	96 +	494	730	55145	55382
UN69952	Rsa1.0_00293.1	575	339294	1.00E-106	310	342	90 +	1	334	312954	313281
UN69953	Rsa1.0_01405.1	752	46445	1.00E-132	258	264	97 +	3	266	33993	34256
UN69954	Rsa1.0_01960.1	778	36766	3.00E-84	183	191	95 +	118	308	8534	8724
UN69955	Rsa1.0_08437.1	686	7357	0	664	697	95 -	3	686	2848	3542
UN69956	Rsa1.0_02750.1	807	28239	1.00E-103	502	605	82 +	9	606	3575	4179
UN69957	Rsa1.0_05310.1	374	14192	5.00E-75	155	159	97 +	41	199	2314	2472
UN69958	Rsa1.0_00168.1	728	115870	1.00E-114	218	221	98 -	360	580	110265	110485
UN69959	Rsa1.0_03471.1	480	22678	1.00E-48	111	115	96 -	363	477	14728	14842
UN69960	Rsa1.0_00537.1	746	186980	1.00E-135	257	261	98 +	30	290	16128	16388
UN69961	Rsa1.0_28114.1	789	827	8.00E-91	185	190	97 -	348	537	638	827
UN69962	Rsa1.0_01527.1	726	43905	1.00E-162	326	338	96 +	159	496	3571	3908
UN69963	Rsa1.0_00167.1	718	116000	6.00E-76	163	169	96 +	145	313	15680	15848
UN69964	Rsa1.0_02668.1	686	28895	0	510	527	96 +	152	675	3600	4126

UN69965	Rsa1.0.00025.1	661	277312	1.00E-117	289	316	91 -	346	661	275675	275974
UN69966	Rsa1.0.00533.1	586	77375	0	508	555	91 +	56	586	930	1484
UN69967	Rsa1.0.05002.1	596	15173	4.00E-92	230	248	92 -	8	246	9282	9527
UN69968	Rsa1.0.00503.1	585	79468	1.00E-176	353	364	96 -	219	581	61102	61463
UN69969	Rsa1.0.05030.1	650	15088	0	600	648	92 -	3	650	10994	11620
UN69970	Rsa1.0.03378.1	671	23322	1.00E-39	102	108	94 -	161	268	12836	12943
UN69971	Rsa1.0.00055.1	728	520193	0	577	597	96 +	3	597	401250	401845
UN69972	Rsa1.0.00437.1	678	84879	0	639	669	95 +	7	673	39360	40020
UN69973	Rsa1.0.05755.1	629	12730	1.00E-170	325	331	98 +	3	332	1136	1466
UN69974	Rsa1.0.01763.1	665	39659	0	564	597	94 +	81	665	868	1452
UN69975	Rsa1.0.06563.1	767	10765	1.00E-151	316	331	95 -	152	482	3523	3853
UN69976	Rsa1.0.17335.1	799	1857	1.00E-114	221	225	98 +	383	607	163	387
UN69977	Rsa1.0.01803.1	780	173846	6.00E-70	172	183	93 +	186	362	136431	136613
UN69978	Rsa1.0.04845.1	790	15747	1.00E-104	219	227	96 +	16	239	4169	4395
UN69979	Rsa1.0.01459.1	683	45277	1.00E-116	308	335	91 -	183	511	38022	38352
UN69980	Rsa1.0.05239.1	691	14410	1.00E-159	334	347	96 -	341	682	11780	12121
UN69981	Rsa1.0.02244.1	764	33494	1.00E-131	291	306	95 -	283	586	13766	14071
UN69982	Rsa1.0.00125.1	786	253043	1.00E-110	233	243	95 +	5	247	128820	129062
UN69983	Rsa1.0.00520.1	642	78226	0	620	654	94 -	4	642	2748	3397
UN69984	Rsa1.0.01010.1	800	56906	0	578	613	94 +	6	614	26060	26654
UN69985	Rsa1.0.03005.1	425	26082	1.00E-118	231	236	97 +	3	238	187	422
UN69986	Rsa1.0.00407.1	467	191544	1.00E-171	366	383	95 +	89	466	15956	16338
UN69987	Rsa1.0.74050.1	780	310	2.00E-72	145	147	98 -	524	670	98	244
UN69988	Rsa1.0.00293.1	682	339294	4.00E-40	88	89	98 -	94	182	306545	306633
UN69989	Rsa1.0.00590.1	758	73835	1.00E-156	380	410	92 -	10	417	9530	9932
UN69990	Rsa1.0.00110.1	399	132719	1.00E-151	372	401	92 -	3	399	7016	7404
UN69991	Rsa1.0.10771.1	794	5723	1.00E-157	384	416	92 -	3	416	1882	2290
UN69992	Rsa1.0.00048.1	839	167185	1.00E-116	225	229	98 +	237	465	1583	1811
UN69993	Rsa1.0.03309.1	442	23852	1.00E-160	347	366	94 +	4	368	17114	17479
UN69994	Rsa1.0.01234.1	609	50183	1.00E-123	257	268	95 +	342	609	17937	18204
UN69995	Rsa1.0.05228.1	823	14437	1.00E-118	240	248	96 -	405	652	6313	6560
UN69996	Rsa1.0.00493.1	533	80007	1.00E-142	311	331	93 +	217	533	60555	60884
UN69997	Rsa1.0.04237.1	672	18361	1.00E-104	256	277	92 -	178	454	7441	7717
UN69998	Rsa1.0.02810.1	665	27671	3.00E-87	206	221	93 -	3	215	27057	27277
UN69999	Rsa1.0.46280.1	713	488	0	469	488	96 +	208	695	1	488
UN70000	Rsa1.0.00795.1	533	64022	0	530	532	99 -	2	533	10115	10646
UN70001	Rsa1.0.00489.1	723	80434	0	413	431	95 +	288	718	34680	35105
UN70002	Rsa1.0.07925.1	739	8245	0	615	668	92 -	93	739	4501	5160
UN70003	Rsa1.0.00586.1	601	163802	1.00E-111	238	248	95 +	14	260	154486	154733

UN70004	Rsa1.0.02110.1	763	34919	0	737	778	94 -	1	763	22716	23481
UN70005	Rsa1.0.00782.1	809	64468	2.00E-85	170	173	98 +	480	652	27957	28129
UN70006	Rsa1.0.01211.1	816	50646	0	804	818	98 -	1	816	4329	5146
UN70007	Rsa1.0.02367.1	628	32106	0	566	606	93 +	1	590	11110	11712
UN70008	Rsa1.0.00427.1	812	189678	0	599	620	96 -	201	812	33174	33793
UN70009	Rsa1.0.01168.1	436	153765	6.00E-50	173	193	89 -	248	433	23488	23674
UN70010	Rsa1.0.08334.1	114	7525	1.00E-10	34	34	100 +	16	49	2809	2842
UN70011	Rsa1.0.00175.1	746	166121	7.00E-54	114	116	98 +	209	324	26533	26648
UN70012	Rsa1.0.02888.1	101	27020	2.00E-30	90	95	94 -	2	96	7633	7725
UN70013	Rsa1.0.00070.1	111	150321	3.00E-42	102	107	95 +	2	108	146029	146135
UN70014	Rsa1.0.00351.1	872	413096	1.00E-145	277	282	98 -	473	754	133363	133644
UN70015	Rsa1.0.00086.1	325	439854	1.00E-138	272	280	97 +	46	325	241976	242255
UN70016	Rsa1.0.00329.1	598	222544	3.00E-83	175	181	96 -	295	475	178654	178834
UN70017	Rsa1.0.00235.1	547	154696	2.00E-69	149	154	96 -	128	281	144579	144732
UN70018	Rsa1.0.01092.1	523	54348	1.00E-174	458	502	91 +	1	493	22743	23240
UN70019	Rsa1.0.00033.1	724	515811	0	687	721	95 +	2	719	30253	30973
UN70020	Rsa1.0.03646.1	843	21598	1.00E-111	254	269	94 -	3	271	9979	10246
UN70021	Rsa1.0.67554.1	816	339	9.00E-97	186	188	98 +	184	371	1	188
UN70022	Rsa1.0.00120.1	134	277288	1.00E-48	125	134	93 -	1	134	253457	253590
UN70023	#	#	#	#	#	#	#	#	#	#	#
UN70024	#	#	#	#	#	#	#	#	#	#	#
UN70025	Rsa1.0.00612.1	714	72376	1.00E-133	271	281	96 +	434	714	49165	49445
UN70026	Rsa1.0.00211.1	765	228189	0	725	765	94 +	3	765	140053	140815
UN70027	Rsa1.0.02893.1	730	26999	1.00E-117	218	219	99 +	95	313	21485	21703
UN70028	Rsa1.0.00271.1	710	101125	3.00E-56	143	152	94 +	3	153	24018	24169
UN70029	Rsa1.0.01196.1	770	51097	1.00E-111	231	236	97 +	521	753	26796	27031
UN70030	Rsa1.0.00937.1	675	59061	1.00E-162	325	337	96 -	343	669	6836	7172
UN70031	Rsa1.0.02533.1	545	30399	3.00E-92	181	184	98 -	223	406	25148	25331
UN70032	Rsa1.0.02026.1	769	35896	0	383	395	96 +	184	577	22147	22541
UN70033	Rsa1.0.01326.1	611	48072	1.00E-135	250	252	99 +	360	611	40139	40390
UN70034	Rsa1.0.00423.1	780	86138	1.00E-172	322	327	98 -	328	654	72588	72914
UN70035	Rsa1.0.04223.1	773	18407	5.00E-95	207	217	95 -	1	217	11941	12157
UN70036	Rsa1.0.00953.1	639	145012	0	392	411	95 -	3	402	101674	102082
UN70037	Rsa1.0.00098.1	783	349239	1.00E-171	332	336	98 +	390	721	331917	332252
UN70038	Rsa1.0.00346.1	640	93130	0	431	441	97 +	3	442	44604	45044
UN70039	Rsa1.0.00133.1	712	123768	2.33E-156	291	298	97 -	3	300	56954	57248
UN70040	Rsa1.0.61764.1	655	371	0	359	371	96 +	274	644	1	371
UN70041	Rsa1.0.00548.1	693	76518	1.00E-126	379	432	87 -	3	412	39008	39422
UN70042	Rsa1.0.02295.1	736	149884	1.00E-143	399	437	91 +	149	580	117680	118108

UN70043	Rsa1.0.00802.1	713	63846	0	350	358	97 +	1	357	56846	57203
UN70044	Rsa1.0.00763.1	778	65121	4.00E-80	158	160	98 -	432	591	46818	46977
UN70045	Rsa1.0.00522.1	747	78103	0	562	581	96 +	102	681	51067	51647
UN70046	Rsa1.0.01920.1	603	158533	1.00E-171	445	489	91 +	3	470	125759	126241
UN70047	Rsa1.0.01750.1	729	39816	1.00E-163	403	442	91 +	130	542	14968	15402
UN70048	Rsa1.0.06596.1	778	10699	5.00E-89	185	190	97 +	3	192	1957	2144
UN70049	Rsa1.0.00836.1	771	185968	1.00E-154	441	484	91 +	295	767	141711	142191
UN70050	Rsa1.0.00239.1	703	104332	2.00E-78	164	169	97 -	119	287	16270	16438
UN70051	Rsa1.0.00293.1	792	339294	1.00E-119	217	217	100 -	297	513	5234	5450
UN70052	Rsa1.0.02030.1	810	179909	1.00E-152	288	293	98 -	113	405	19457	19749
UN70053	Rsa1.0.00933.1	645	59164	1.00E-170	467	520	89 +	133	645	13258	13759
UN70054	Rsa1.0.00014.1	802	348985	1.00E-139	296	311	95 -	2	312	332154	332464
UN70055	Rsa1.0.01171.1	184	51752	4.00E-83	174	180	96 +	1	180	50225	50404
UN70056	Rsa1.0.00672.1	588	69358	5.00E-79	179	188	95 -	368	552	40537	40724
UN70057	Rsa1.0.01545.1	767	43599	0	548	564	97 -	3	559	32611	33174
UN70058	Rsa1.0.00546.1	639	76523	1.00E-110	245	258	94 -	256	512	12806	13063
UN70059	Rsa1.0.00064.1	597	240927	1.00E-165	308	311	99 +	287	597	73794	74103
UN70060	Rsa1.0.00008.1	687	358124	0	421	447	94 -	19	465	56542	56975
UN70061	Rsa1.0.04182.1	529	18610	0	442	447	98 -	2	445	2083	2529
UN70062	Rsa1.0.03618.1	637	21744	1.00E-156	292	296	98 -	148	443	7557	7852
UN70063	Rsa1.0.00040.1	837	324196	0	416	433	96 -	351	773	51888	52320
UN70064	Rsa1.0.00339.1	719	222974	1.00E-155	309	319	96 +	61	375	210744	211062
UN70065	Rsa1.0.10166.1	680	5966	0	376	386	97 -	296	680	5182	5567
UN70066	Rsa1.0.00490.1	815	186713	0	758	779	97 -	3	776	180969	181747
UN70067	Rsa1.0.00222.1	462	172263	2.00E-90	169	169	100 +	1	169	138238	138406
UN70068	#	#	#	#	#	#	#	#	#	#	#
UN70069	Rsa1.0.01013.1	732	56822	0	574	595	96 +	42	624	27509	28100
UN70070	Rsa1.0.07534.1	461	9184	1.00E-114	260	275	94 +	3	276	7442	7714
UN70071	Rsa1.0.01394.1	658	46641	2.00E-72	157	163	96 -	4	166	6951	7113
UN70072	Rsa1.0.00327.1	569	94892	0	473	495	95 +	86	569	18499	18991
UN70073	Rsa1.0.00157.1	578	245832	5.00E-79	202	221	91 -	353	572	77102	77308
UN70074	Rsa1.0.01830.1	497	38641	1.00E-133	243	244	99 +	250	493	27334	27577
UN70075	Rsa1.0.00585.1	170	74164	6.00E-51	129	138	93 -	33	170	53970	54107
UN70076	Rsa1.0.01416.1	801	46262	0	762	792	96 +	3	784	39082	39873
UN70077	Rsa1.0.02433.1	554	158318	0	530	553	95 -	2	554	3194	3746
UN70078	Rsa1.0.00012.1	791	222148	1.00E-163	309	315	98 -	477	791	134683	134997
UN70079	Rsa1.0.04142.1	751	18861	0	693	737	94 -	19	751	1933	2667
UN70080	Rsa1.0.00015.1	536	561803	5.00E-91	244	267	91 +	1	258	529587	529847
UN70081	Rsa1.0.00213.1	859	108167	2.00E-82	185	192	96 -	576	765	94735	94926

UN70082	Rsa1.0.00671.1	592	397884	1.00E-125	236	239	98 -	347	585	133813	134051
UN70083	Rsa1.0.00250.1	653	273771	4.00E-86	180	186	96 -	60	245	7537	7722
UN70084	Rsa1.0.08124.1	648	7869	0	419	438	95 -	211	648	262	699
UN70085	Rsa1.0.00071.1	761	345714	0	665	694	95 -	1	694	105124	105814
UN70086	Rsa1.0.02792.1	478	27829	0	456	490	93 -	1	478	19257	19738
UN70087	Rsa1.0.00001.1	693	363028	0	363	373	97 -	318	690	141577	141949
UN70088	Rsa1.0.00125.1	808	253043	0	606	618	98 -	192	808	234425	235042
UN70089	Rsa1.0.01336.1	782	47853	0	435	452	96 -	13	461	41768	42219
UN70090	Rsa1.0.00302.1	704	97521	0	687	707	97 +	1	704	87675	88381
UN70091	Rsa1.0.00193.1	825	194198	1.00E-133	315	338	93 -	6	339	105606	105937
UN70092	Rsa1.0.25529.1	801	932	1.00E-103	193	194	99 +	370	563	720	913
UN70093	Rsa1.0.00162.1	791	239935	0	742	770	96 -	2	770	15031	15794
UN70094	Rsa1.0.00993.1	607	57409	1.00E-149	326	351	92 +	3	332	56500	56850
UN70095	Rsa1.0.00324.1	557	218805	1.00E-130	281	295	95 -	3	297	187362	187655
UN70096	Rsa1.0.00032.1	593	306326	0	554	580	95 +	10	583	284822	285401
UN70097	Rsa1.0.02244.1	696	33494	0	348	349	99 -	1	349	4766	5114
UN70098	Rsa1.0.01493.1	768	44670	1.00E-139	263	267	98 -	6	272	15494	15760
UN70099	Rsa1.0.08359.1	768	7483	1.00E-159	306	313	97 +	411	723	818	1130
UN70100	Rsa1.0.04897.1	249	15545	1.00E-101	231	243	95 -	8	249	2307	2548
UN70101	Rsa1.0.00437.1	131	84879	3.00E-33	91	96	94 -	7	102	71472	71566
UN70102	Rsa1.0.06602.1	686	10683	0	661	685	96 +	2	686	9068	9746
UN70103	Rsa1.0.00589.1	646	209965	0	543	552	98 +	1	552	48331	48879
UN70104	Rsa1.0.02165.1	639	34423	0	553	593	93 +	59	639	3037	3629
UN70105	Rsa1.0.03684.1	302	21392	1.00E-126	284	301	94 -	1	301	14760	15059
UN70106	Rsa1.0.04667.1	419	16460	0	409	418	97 +	3	419	13382	13798
UN70107	Rsa1.0.00454.1	301	216970	1.00E-56	125	128	97 +	98	224	166745	166872
UN70108	Rsa1.0.08553.1	811	7210	1.00E-120	223	224	99 -	287	510	588	811
UN70109	Rsa1.0.03610.1	563	21797	1.00E-164	298	300	99 +	208	507	17265	17564
UN70110	Rsa1.0.00019.1	783	301669	7.00E-82	164	167	98 -	317	483	113991	114157
UN70111	Rsa1.0.00435.1	740	317579	0	454	482	94 +	157	638	64809	65287
UN70112	Rsa1.0.04794.1	477	15960	1.00E-100	259	282	91 -	104	385	2694	2974
UN70113	Rsa1.0.09074.1	541	6670	1.00E-119	272	291	93 +	5	295	2994	3277
UN70114	Rsa1.0.01296.1	160	49035	5.00E-39	105	112	93 +	52	160	35777	35888
UN70115	Rsa1.0.00671.1	180	397884	3.00E-53	130	138	94 -	43	180	180259	180396
UN70116	Rsa1.0.03056.1	611	25726	0	425	451	94 +	2	451	7237	7687
UN70117	Rsa1.0.14624.1	313	3217	5.00E-99	284	315	90 -	2	313	1334	1634
UN70118	Rsa1.0.00226.1	457	105884	1.00E-100	296	332	89 +	43	365	77864	78192
UN70119	Rsa1.0.00931.1	751	59210	1.00E-121	233	237	98 -	70	306	49295	49531
UN70120	Rsa1.0.03818.1	780	20668	1.00E-100	200	205	97 +	289	493	10042	10246

UN70121	Rsa1.0_00713.1	647	158017	1.00E-126	250	256	97 -	161	416	2375	2627
UN70122	Rsa1.0_00307.1	758	199003	1.00E-86	169	171	98 +	330	500	75462	75632
UN70123	Rsa1.0_03294.1	711	23971	3.00E-90	205	216	94 +	262	475	4277	4492
UN70124	Rsa1.0_00971.1	395	57973	1.00E-165	321	328	97 +	3	326	47270	47597
UN70125	Rsa1.0_00564.1	717	75428	1.00E-113	256	270	94 -	447	713	61077	61346
UN70126	Rsa1.0_00275.1	783	210104	0	730	755	96 +	32	783	205236	205989
UN70127	Rsa1.0_43084.1	625	521	1.00E-127	275	286	96 -	156	438	1	285
UN70128	Rsa1.0_00173.1	748	288743	5.00E-98	203	209	97 -	1	209	271091	271297
UN70129	Rsa1.0_00893.1	703	60626	0	453	468	96 -	236	703	43330	43797
UN70130	Rsa1.0_00085.1	782	142226	4.00E-68	150	156	96 -	593	748	30273	30428
UN70131	Rsa1.0_00089.1	743	406142	0	671	743	90 +	10	739	349213	349934
UN70132	Rsa1.0_00257.1	755	102407	0	391	411	95 -	345	755	87667	88077
UN70133	Rsa1.0_00425.1	616	147080	0	575	582	98 +	3	584	110531	111111
UN70134	Rsa1.0_02258.1	672	33307	3.00E-68	201	223	90 -	3	217	26139	26352
UN70135	Rsa1.0_00044.1	800	271658	0	692	758	91 +	61	800	21424	22178
UN70136	Rsa1.0_15186.1	760	2772	9.00E-72	150	154	97 -	72	225	1966	2119
UN70137	Rsa1.0_01739.1	813	40068	0	790	841	93 +	2	811	8441	9281
UN70138	Rsa1.0_00790.1	476	148693	4.00E-48	98	98	100 -	379	476	353	450
UN70139	Rsa1.0_02203.1	765	164532	1.00E-119	232	237	97 -	478	714	164195	164431
UN70140	Rsa1.0_00329.1	639	222544	1.00E-131	259	266	97 +	243	508	183510	183775
UN70141	Rsa1.0_00472.1	712	398134	0	685	706	97 +	2	707	282523	283228
UN70142	Rsa1.0_01938.1	686	264018	0	433	446	97 -	242	686	159820	160265
UN70143	Rsa1.0_00351.1	686	413096	1.00E-103	252	265	95 +	426	682	3182	3446
UN70144	Rsa1.0_00427.1	811	189678	0	725	744	97 -	5	746	129515	130258
UN70145	Rsa1.0_00369.1	772	266462	1.00E-153	324	339	95 +	290	627	178517	178855
UN70146	Rsa1.0_00440.1	197	84723	6.00E-82	187	197	94 +	3	197	46657	46853
UN70147	Rsa1.0_00970.1	738	57994	0	526	551	95 -	3	546	24535	25082
UN70148	Rsa1.0_26434.1	648	892	1.00E-158	302	308	98 -	344	648	64	371
UN70149	Rsa1.0_00052.1	778	162771	0	396	411	96 +	7	414	81487	81896
UN70150	Rsa1.0_00039.1	657	296927	5.00E-70	168	179	93 -	400	578	49165	49343
UN70151	Rsa1.0_00087.1	836	761073	1.00E-147	312	321	97 -	525	836	528237	528557
UN70152	Rsa1.0_00527.1	730	77733	0	358	368	97 -	363	730	41392	41756
UN70153	Rsa1.0_00182.1	704	142305	0	675	710	95 -	2	704	66928	67633
UN70154	Rsa1.0_05778.1	744	12656	0	710	736	96 -	2	737	148	883
UN70155	Rsa1.0_00040.1	792	324196	0	411	434	94 -	1	431	175165	175587
UN70156	Rsa1.0_02435.1	605	31454	2.00E-90	196	205	95 -	392	596	18376	18580
UN70157	Rsa1.0_00017.1	798	752458	2.00E-70	186	200	93 +	14	212	448326	448519
UN70158	Rsa1.0_07851.1	827	8423	0	429	439	97 +	350	784	4308	4746
UN70159	Rsa1.0_12445.1	759	5224	0	364	378	96 +	3	380	847	1224

UN70160	Rsa1.0.00720.1	747	66931	0	715	744	96 +	1	740	46883	47626
UN70161	Rsa1.0.00055.1	542	520193	0	523	543	96 -	5	540	344870	345408
UN70162	Rsa1.0.05452.1	146	13697	2.00E-65	142	146	97 +	2	146	12025	12170
UN70163	Rsa1.0.01119.1	639	53459	1.00E-110	228	235	97 -	409	639	11691	11924
UN70164	Rsa1.0.05495.1	748	13534	1.00E-174	378	396	95 -	356	748	548	941
UN70165	Rsa1.0.01648.1	757	41635	0	599	616	97 +	96	706	10802	11417
UN70166	Rsa1.0.00017.1	441	752458	0	422	435	97 +	1	433	286146	286575
UN70167	Rsa1.0.08225.1	467	7695	1.00E-123	285	304	93 -	165	467	4156	4459
UN70168	Rsa1.0.01677.1	557	41140	0	443	452	98 +	108	557	7512	7963
UN70169	Rsa1.0.14298.1	699	3561	0	405	416	97 -	215	627	3050	3465
UN70170	Rsa1.0.01484.1	738	44806	3.00E-81	207	222	93 -	1	220	27273	27494
UN70171	Rsa1.0.00302.1	350	97521	1.00E-136	323	350	92 -	1	350	76205	76545
UN70172	Rsa1.0.00015.1	684	561803	1.00E-116	281	302	93 +	111	410	300978	301276
UN70173	Rsa1.0.00818.1	647	62939	1.00E-79	336	395	85 -	278	641	53363	53756
UN70174	Rsa1.0.01825.1	117	38725	1.00E-10	102	121	84 +	6	117	14022	14142
UN70175	Rsa1.0.14263.1	547	3600	1.00E-112	266	284	93 +	1	282	1234	1516
UN70176	Rsa1.0.11488.1	403	5487	1.00E-170	370	391	94 +	1	381	5097	5487
UN70177	Rsa1.0.00759.1	506	65465	1.00E-153	307	318	96 +	189	506	63940	64257
UN70178	Rsa1.0.01907.1	599	37431	0	437	457	95 -	3	458	19686	20141
UN70179	Rsa1.0.05653.1	533	13043	0	427	461	92 +	81	521	9994	10449
UN70180	Rsa1.0.06092.1	772	11756	0	392	403	97 +	3	403	238	640
UN70181	Rsa1.0.01696.1	173	301850	4.00E-46	162	178	91 +	1	173	298967	299139
UN70182	Rsa1.0.01565.1	518	155447	1.00E-126	302	321	94 +	2	319	10764	11083
UN70183	Rsa1.0.00662.1	252	192183	1.00E-86	198	210	94 -	4	213	190200	190409
UN70184	Rsa1.0.04649.1	481	16538	1.00E-72	151	155	97 -	2	156	5897	6051
UN70185	Rsa1.0.04371.1	596	17700	0	564	592	95 +	1	592	14406	14990
UN70186	#	#	#	#	#	#	#	#	#	#	#
UN70187	Rsa1.0.01394.1	371	46641	5.00E-75	164	171	95 -	3	173	6951	7121
UN70188	Rsa1.0.00879.1	747	61297	1.00E-162	333	347	95 +	231	574	37775	38121
UN70189	Rsa1.0.03940.1	674	19962	0	386	400	96 +	3	402	11027	11426
UN70190	Rsa1.0.00582.1	513	74333	0	492	513	95 +	1	513	11428	11938
UN70191	Rsa1.0.03916.1	149	20117	3.00E-58	142	150	94 +	1	149	13542	13691
UN70192	Rsa1.0.00036.1	528	176186	0	382	392	97 +	1	392	154322	154713
UN70193	Rsa1.0.00512.1	784	200277	2.00E-70	154	160	96 +	146	305	28829	28988
UN70194	Rsa1.0.00003.1	280	340054	1.00E-114	242	250	96 -	3	250	12113	12359
UN70195	Rsa1.0.01963.1	698	36719	0	409	431	94 +	266	693	34662	35092
UN70196	Rsa1.0.03498.1	462	22480	1.00E-100	215	223	96 -	4	224	19020	19239
UN70197	Rsa1.0.01529.1	613	43871	1.00E-116	224	228	98 -	288	515	25130	25357
UN70198	Rsa1.0.02312.1	759	32675	1.00E-119	275	297	92 -	243	539	21279	21557

UN70199	Rsa1.0.03831.1	169	20579	3.00E-80	163	167	97 +	1	167	18152	18318
UN70200	Rsa1.0.00344.1	613	191774	0	556	573	97 -	5	577	155554	156122
UN70201	Rsa1.0.00066.1	119	152418	1.00E-44	109	114	95 +	4	117	73460	73571
UN70202	Rsa1.0.00748.1	726	65983	1.00E-142	274	280	97 +	376	655	58948	59227
UN70203	Rsa1.0.00040.1	225	324196	3.00E-41	116	124	93 +	2	124	17155	17275
UN70204	Rsa1.0.23297.1	530	1059	2.00E-84	202	214	94 -	317	530	537	747
UN70205	Rsa1.0.05326.1	430	14139	1.00E-125	256	263	97 +	169	430	3936	4197
UN70206	Rsa1.0.00051.1	509	258225	1.00E-113	219	223	98 -	98	320	153374	153596
UN70207	Rsa1.0.00237.1	274	235974	7.00E-55	171	187	91 -	90	273	58557	58740
UN70208	Rsa1.0.04778.1	399	16010	1.00E-139	362	400	90 +	1	399	10061	10444
UN70209	Rsa1.0.00131.1	469	432233	1.00E-63	142	148	95 -	40	187	78027	78174
UN70210	Rsa1.0.00196.1	746	109960	1.00E-177	369	386	95 +	1	386	10145	10529
UN70211	Rsa1.0.00923.1	486	153678	1.00E-159	347	368	94 -	129	486	40126	40493
UN70212	Rsa1.0.10507.1	773	5822	0	468	480	97 -	297	773	2229	2708
UN70213	Rsa1.0.04394.1	785	17571	1.00E-109	241	257	93 -	3	246	1756	2012
UN70214	Rsa1.0.00048.1	657	167185	2.00E-91	195	203	96 -	159	361	8087	8289
UN70215	Rsa1.0.00784.1	751	64359	0	674	697	96 +	43	739	36327	37016
UN70216	Rsa1.0.01163.1	787	51946	1.00E-108	214	219	97 +	252	470	21256	21474
UN70217	Rsa1.0.00040.1	676	324196	0	642	674	95 -	5	669	2186	2856
UN70218	Rsa1.0.00058.1	555	159921	1.00E-67	157	163	96 +	3	163	91204	91366
UN70219	Rsa1.0.00297.1	794	97836	1.00E-147	314	332	94 -	3	322	27334	27663
UN70220	Rsa1.0.05569.1	790	13311	0	754	794	94 +	1	790	2024	2808
UN70221	Rsa1.0.00707.1	634	190112	0	614	635	96 -	2	633	155475	156109
UN70222	Rsa1.0.10201.1	564	5946	0	417	427	97 -	2	428	1193	1619
UN70223	Rsa1.0.02753.1	460	28215	0	446	467	95 -	1	460	8062	8527
UN70224	Rsa1.0.04279.1	597	18113	1.00E-116	236	244	96 -	161	404	5446	5689
UN70225	Rsa1.0.04112.1	796	18989	1.00E-102	207	213	97 -	350	562	5520	5732
UN70226	Rsa1.0.00789.1	472	64233	0	451	473	95 -	3	472	13089	13560
UN70227	Rsa1.0.00088.1	668	141341	0	507	529	95 +	3	520	10027	10550
UN70228	Rsa1.0.00180.1	714	114581	1.00E-106	213	219	97 +	128	346	110422	110640
UN70229	Rsa1.0.02792.1	753	27829	1.00E-161	327	340	96 +	119	458	17605	17944
UN70230	#	#	#	#	#	#	#	#	#	#	#
UN70231	Rsa1.0.00002.1	703	601661	1.00E-110	231	241	95 -	431	664	18078	18318
UN70232	Rsa1.0.08342.1	648	7502	1.00E-131	335	361	92 +	3	356	599	955
UN70233	Rsa1.0.04356.1	638	17764	1.00E-173	471	523	90 +	117	638	10015	10525
UN70234	Rsa1.0.00556.1	769	207212	1.00E-118	245	252	97 +	488	737	5867	6118
UN70235	Rsa1.0.00159.1	629	431686	1.00E-103	222	231	96 -	214	443	351470	351700
UN70236	Rsa1.0.00324.1	104	218805	1.00E-29	94	98	95 +	7	104	187538	187631
UN70237	Rsa1.0.04126.1	559	18939	1.00E-163	502	568	88 -	1	559	15347	15886

UN70238	Rsa1.0.02165.1	751	34423	1.00E-137	378	409	92 -	348	744	3228	3636
UN70239	Rsa1.0.00273.1	201	326186	4.00E-49	149	161	92 -	3	160	4994	5151
UN70240	Rsa1.0.09074.1	691	6670	1.00E-179	420	451	93 -	252	691	4240	4690
UN70241	Rsa1.0.00671.1	740	397884	0	442	446	99 +	5	450	179241	179686
UN70242	Rsa1.0.00414.1	168	202190	8.00E-78	162	167	97 -	2	168	68414	68580
UN70243	Rsa1.0.01618.1	504	42118	1.00E-152	282	284	99 +	222	504	31250	31533
UN70244	Rsa1.0.00254.1	822	102600	1.00E-159	354	373	94 -	444	813	53903	54275
UN70245	#	#	#	#	#	#	#	#	#	#	#
UN70246	Rsa1.0.03114.1	676	25318	1.00E-86	166	167	99 +	206	372	18545	18711
UN70247	Rsa1.0.00763.1	299	65121	2.00E-49	129	139	92 -	45	177	61251	61389
UN70248	Rsa1.0.00223.1	667	106231	1.00E-139	271	277	97 -	294	567	72236	72512
UN70249	Rsa1.0.05999.1	648	11984	0	381	392	97 +	2	393	1938	2329
UN70250	Rsa1.0.00202.1	727	185895	0	699	724	96 +	3	724	82889	83610
UN70251	Rsa1.0.01524.1	796	43949	0	428	444	96 -	347	783	4229	4671
UN70252	Rsa1.0.00676.1	555	69166	0	493	535	92 -	12	538	23946	24471
UN70253	Rsa1.0.00195.1	727	251884	1.00E-134	322	346	93 +	392	721	208307	208651
UN70254	Rsa1.0.03352.1	655	23506	1.00E-126	283	300	94 +	7	303	6892	7191
UN70255	Rsa1.0.04128.1	793	18927	4.00E-74	165	170	97 +	15	183	11018	11186
UN70256	Rsa1.0.00816.1	794	403350	5.00E-89	197	203	97 -	563	762	115339	115541
UN70257	Rsa1.0.00203.1	775	109129	1.00E-64	141	146	96 -	199	344	3653	3798
UN70258	Rsa1.0.00931.1	636	59210	3.00E-93	201	210	95 -	427	636	9067	9276
UN70259	Rsa1.0.01431.1	627	167877	0	391	401	97 +	3	403	148884	149284
UN70260	Rsa1.0.02170.1	228	34352	3.00E-69	200	221	90 -	2	222	15646	15855
UN70261	Rsa1.0.01923.1	727	37233	4.00E-86	184	190	96 -	3	192	22414	22602
UN70262	Rsa1.0.06101.1	759	11745	1.00E-134	275	286	96 -	322	607	2106	2391
UN70263	Rsa1.0.00054.1	713	162053	0	523	560	93 -	161	711	15483	16036
UN70264	Rsa1.0.00277.1	712	100132	0	676	701	96 -	2	702	36931	37628
UN70265	Rsa1.0.00740.1	600	215972	1.00E-165	363	382	95 -	170	548	11467	11848
UN70266	Rsa1.0.00690.1	632	140527	1.00E-135	271	277	97 -	1	276	34501	34776
UN70267	Rsa1.0.00214.1	531	107508	1.00E-141	277	283	97 -	246	527	36845	37127
UN70268	Rsa1.0.00199.1	742	249604	1.00E-124	346	386	89 +	308	693	60822	61207
UN70269	Rsa1.0.00107.1	712	431659	1.00E-76	165	170	97 -	3	171	376504	376673
UN70270	Rsa1.0.00030.1	236	250988	2.00E-36	84	86	97 -	151	236	212161	212246
UN70271	Rsa1.0.00060.1	564	502678	1.00E-140	282	292	96 +	2	293	396729	397020
UN70272	Rsa1.0.04997.1	807	15182	1.00E-178	317	317	100 -	2	318	6185	6501
UN70273	Rsa1.0.00037.1	624	307838	1.00E-129	279	294	94 -	69	362	220272	220565
UN70274	Rsa1.0.03347.1	686	23588	1.00E-112	239	249	95 -	439	686	20340	20582
UN70275	Rsa1.0.01153.1	637	52264	0	621	637	97 +	1	637	48897	49533
UN70276	Rsa1.0.04244.1	654	18314	1.00E-171	319	324	98 -	331	654	3576	3899

UN70277	Rsa1.0.03336.1	720	23648	1.00E-151	301	310	97 -	405	711	23339	23648
UN70278	Rsa1.0.01727.1	813	40243	1.00E-176	319	321	99 -	277	597	30928	31248
UN70279	Rsa1.0.00096.1	785	198773	1.00E-116	295	322	91 -	36	354	138020	138335
UN70280	Rsa1.0.00589.1	696	209965	1.00E-125	246	252	97 -	445	696	200718	200969
UN70281	Rsa1.0.03664.1	737	21487	3.00E-93	201	210	95 +	423	632	9211	9420
UN70282	Rsa1.0.02606.1	632	29635	0	373	384	97 +	246	629	14421	14804
UN70283	Rsa1.0.00144.1	713	120708	1.00E-73	153	157	97 +	353	509	66013	66169
UN70284	Rsa1.0.00016.1	790	831256	1.00E-64	132	134	98 +	200	333	59358	59491
UN70285	Rsa1.0.01638.1	787	41857	0	729	774	94 +	3	769	2071	2844
UN70286	Rsa1.0.02888.1	666	27020	1.00E-139	281	291	96 -	376	666	11186	11476
UN70287	Rsa1.0.02911.1	736	142461	2.00E-91	183	187	97 +	3	189	128046	128232
UN70288	Rsa1.0.00429.1	770	85559	1.00E-124	297	313	94 +	419	724	23140	23452
UN70289	Rsa1.0.05332.1	536	14123	1.00E-125	270	284	95 +	185	468	8337	8620
UN70290	Rsa1.0.00492.1	585	80178	1.00E-133	351	387	90 +	9	385	69289	69662
UN70291	Rsa1.0.04095.1	454	19095	4.00E-51	121	127	95 -	206	332	10734	10860
UN70292	Rsa1.0.04267.1	575	18193	0	522	549	95 -	29	575	10655	11194
UN70293	Rsa1.0.07001.1	794	10048	2.00E-66	138	141	97 -	356	496	5595	5735
UN70294	Rsa1.0.03410.1	798	23147	0	720	744	96 +	2	744	19877	20620
UN70295	#	#	#	#	#	#	#	#	#	#	#
UN70296	Rsa1.0.00422.1	588	86144	0	439	457	96 +	134	588	16094	16548
UN70297	Rsa1.0.01824.1	713	38733	0	448	466	96 +	252	713	5376	5840
UN70298	Rsa1.0.10108.1	462	5996	1.00E-75	213	228	93 +	238	462	111	335
UN70299	Rsa1.0.00340.1	133	305782	6.00E-32	80	82	97 -	49	129	160491	160572
UN70300	Rsa1.0.00954.1	506	189536	2.00E-69	153	158	96 +	332	488	38974	39131
UN70301	Rsa1.0.03684.1	120	21392	2.00E-25	102	115	88 -	6	120	3174	3282
UN70302	Rsa1.0.01204.1	589	50843	1.00E-112	336	374	89 +	226	583	27064	27435
UN70303	Rsa1.0.00415.1	659	86795	1.00E-131	261	269	97 +	85	353	6401	6669
UN70304	Rsa1.0.02893.1	344	26999	3.00E-45	117	125	93 -	3	127	23925	24049
UN70305	Rsa1.0.00271.1	579	101125	1.00E-114	254	269	94 -	240	508	25858	26126
UN70306	Rsa1.0.00205.1	782	193401	5.00E-49	124	132	93 +	447	578	12709	12840
UN70307	Rsa1.0.02533.1	503	30399	1.00E-148	333	351	94 +	1	347	23996	24343
UN70308	Rsa1.0.00660.1	535	69688	2.00E-75	150	152	98 +	65	216	16926	17077
UN70309	Rsa1.0.03774.1	733	20932	0	700	732	95 -	3	733	18873	19593
UN70310	Rsa1.0.00470.1	718	81968	1.00E-134	274	283	96 +	215	496	48972	49254
UN70311	Rsa1.0.02026.1	496	35896	0	470	501	93 -	1	496	22777	23265
UN70312	Rsa1.0.00363.1	760	90968	0	729	763	95 +	1	760	13529	14279
UN70313	Rsa1.0.01360.1	725	47246	1.00E-100	198	201	98 +	4	203	43133	43333
UN70314	Rsa1.0.00040.1	151	324196	1.00E-42	135	148	91 +	1	147	195389	195535
UN70315	Rsa1.0.04223.1	798	18407	0	470	492	95 +	1	491	9332	9816

UN70316	Rsa1.0.06333.1	760	11217	1.00E-151	325	342	95 +	1	342	2113	2452
UN70317	Rsa1.0.23144.1	840	1068	1.00E-137	267	273	97 -	201	473	758	1027
UN70318	Rsa1.0.00446.1	523	167829	4.00E-70	189	209	90 +	1	209	120052	120249
UN70319	Rsa1.0.00133.1	569	123768	0	542	547	99 +	25	569	54799	55345
UN70320	Rsa1.0.01981.1	727	36537	0	358	369	97 -	283	651	23844	24212
UN70321	Rsa1.0.00104.1	563	368722	2.33E-156	286	290	98 -	141	427	62935	63224
UN70322	Rsa1.0.00016.1	775	831256	0	696	726	95 -	41	763	375804	376517
UN70323	Rsa1.0.00064.1	688	240927	0	372	380	97 +	6	385	4712	5089
UN70324	Rsa1.0.00332.1	195	94575	1.00E-83	189	199	94 +	2	195	55339	55534
UN70325	Rsa1.0.00243.1	398	103651	1.00E-111	259	272	95 +	129	398	5006	5275
UN70326	Rsa1.0.00014.1	679	348985	2.00E-91	230	249	92 -	14	249	220714	220962
UN70327	Rsa1.0.01156.1	656	52147	0	624	652	95 +	10	652	28034	28673
UN70328	Rsa1.0.00119.1	795	467509	1.00E-153	451	508	88 -	142	634	386218	386716
UN70329	Rsa1.0.63330.1	807	362	1.00E-128	321	353	90 -	3	351	1	335
UN70330	Rsa1.0.00925.1	766	59481	1.00E-176	344	353	97 +	415	766	56966	57318
UN70331	Rsa1.0.01553.1	718	43379	1.00E-101	254	270	94 +	455	718	26451	26719
UN70332	Rsa1.0.02205.1	777	33923	3.00E-99	193	196	98 -	187	382	17153	17348
UN70333	Rsa1.0.00988.1	783	57525	1.00E-138	301	318	94 -	110	421	28227	28535
UN70334	Rsa1.0.00087.1	681	761073	1.00E-113	243	252	96 -	432	681	102290	102541
UN70335	Rsa1.0.01667.1	651	41315	1.00E-113	240	248	96 +	406	651	32932	33179
UN70336	Rsa1.0.00026.1	783	327835	1.00E-103	232	242	95 -	496	734	242372	242613
UN70337	Rsa1.0.00621.1	743	71840	5.00E-67	146	149	97 +	103	250	49045	49191
UN70338	Rsa1.0.00002.1	379	601661	0	330	333	99 +	47	379	182333	182665
UN70339	Rsa1.0.00044.1	427	271658	1.00E-152	365	394	92 -	34	427	156047	156425
UN70340	Rsa1.0.00001.1	790	363028	0	752	794	94 +	4	790	33675	34468
UN70341	Rsa1.0.01200.1	507	50895	1.00E-135	445	515	86 -	3	507	34709	35199
UN70342	Rsa1.0.00104.1	273	368722	1.00E-103	248	267	92 +	3	260	213652	213918
UN70343	Rsa1.0.05326.1	118	14139	2.00E-22	84	92	91 -	3	91	4077	4167
UN70344	Rsa1.0.00060.1	656	502678	1.00E-100	203	209	97 -	440	648	249097	249305
UN70345	Rsa1.0.16367.1	236	2176	2.00E-91	214	229	93 -	1	229	1748	1970
UN70346	Rsa1.0.02016.1	758	36003	1.00E-127	283	298	94 -	75	370	26200	26496
UN70347	Rsa1.0.00380.1	587	89748	0	565	592	95 +	1	587	11467	12051
UN70348	Rsa1.0.00087.1	455	761073	4.00E-91	275	300	91 -	1	295	191032	191316
UN70349	Rsa1.0.04991.1	193	15215	2.00E-88	186	193	96 -	1	193	9941	10133
UN70350	Rsa1.0.00964.1	661	316648	5.00E-67	237	277	85 +	1	277	160133	160386
UN70351	Rsa1.0.02756.1	122	28202	3.00E-24	63	65	96 +	42	106	1728	1792
UN70352	Rsa1.0.23375.1	748	1053	0	720	751	95 +	5	748	226	975
UN70353	Rsa1.0.00149.1	647	305196	1.00E-158	328	341	96 +	3	339	107006	107346
UN70354	Rsa1.0.02340.1	491	32388	1.00E-129	306	324	94 -	174	491	16368	16690

UN70355	Rsa1.0.00157.1	538	245832	1.00E-113	259	278	93 +	2	263	29216	29493
UN70356	Rsa1.0.00014.1	477	348985	1.00E-153	344	362	95 -	1	354	323900	324260
UN70357	Rsa1.0.00269.1	438	341668	1.00E-160	401	438	91 -	1	438	17417	17848
UN70358	Rsa1.0.00965.1	441	58139	7.00E-53	115	118	97 -	142	259	9265	9382
UN70359	Rsa1.0.00763.1	710	65121	0	504	510	98 +	1	510	45773	46282
UN70360	Rsa1.0.00295.1	293	152597	2.00E-58	169	185	91 -	22	206	140727	140907
UN70361	Rsa1.0.00522.1	690	78103	0	651	678	96 -	1	674	51939	52614
UN70362	Rsa1.0.37474.1	555	601	5.00E-79	168	174	96 +	136	309	189	362
UN70363	Rsa1.0.41105.1	732	546	1.00E-126	303	326	92 +	1	317	222	545
UN70364	Rsa1.0.00251.1	704	303968	1.00E-95	266	294	90 -	3	292	149091	149372
UN70365	Rsa1.0.03046.1	589	25784	4.00E-58	118	119	99 -	2	120	16806	16924
UN70366	Rsa1.0.01417.1	767	46252	3.00E-44	140	152	92 +	8	158	2265	2414
UN70367	Rsa1.0.00032.1	638	306326	2.00E-41	93	95	97 +	471	565	202300	202394
UN70368	Rsa1.0.33576.1	744	675	0	422	437	96 -	68	504	1	434
UN70369	Rsa1.0.02266.1	190	33195	7.00E-94	186	190	97 -	1	190	17703	17892
UN70370	Rsa1.0.01555.1	262	166456	2.00E-36	81	82	98 +	12	93	18179	18260
UN70371	Rsa1.0.01355.1	705	47303	9.00E-75	179	191	93 +	79	269	6585	6770
UN70372	Rsa1.0.01786.1	734	133324	0	408	419	97 +	3	421	114065	114483
UN70373	Rsa1.0.08846.1	683	6867	3.00E-56	139	147	94 -	21	165	6654	6800
UN70374	Rsa1.0.30636.1	791	749	0	569	593	95 -	148	735	157	749
UN70375	Rsa1.0.00426.1	709	85668	1.00E-110	226	234	96 +	147	380	67962	68195
UN70376	Rsa1.0.00894.1	642	269700	1.00E-107	197	197	100 +	442	638	5701	5897
UN70377	Rsa1.0.00198.1	611	222963	0	480	519	92 +	102	611	133941	134452
UN70378	Rsa1.0.00303.1	565	97468	0	502	529	94 +	43	565	30234	30754
UN70379	Rsa1.0.01065.1	659	55264	0	504	531	94 -	139	659	6350	6880
UN70380	Rsa1.0.00037.1	807	307838	0	348	350	99 -	3	352	177014	177363
UN70381	Rsa1.0.01435.1	801	45942	1.00E-120	277	291	95 +	478	764	42964	43254
UN70382	Rsa1.0.00320.1	506	95784	1.00E-136	269	277	97 -	3	279	9936	10212
UN70383	Rsa1.0.14509.1	512	3318	1.00E-155	296	302	98 +	113	414	1766	2067
UN70384	Rsa1.0.00251.1	106	303968	2.00E-37	100	105	95 -	3	103	144379	144483
UN70385	Rsa1.0.00119.1	705	467509	3.00E-68	144	148	97 -	436	583	384234	384381
UN70386	Rsa1.0.00482.1	792	81162	0	560	621	90 -	3	606	28084	28689
UN70387	Rsa1.0.00224.1	538	327530	1.00E-117	327	369	88 +	180	532	221387	221738
UN70388	Rsa1.0.00107.1	804	431659	0	769	827	92 -	2	804	347175	347995
UN70389	Rsa1.0.01146.1	601	163455	3.00E-71	166	175	94 +	219	390	13623	13797
UN70390	Rsa1.0.00004.1	723	253996	1.00E-166	320	328	97 +	376	703	197016	197343
UN70391	Rsa1.0.00856.1	687	62037	0	657	678	96 +	3	679	33903	34575
UN70392	Rsa1.0.04051.1	799	19375	1.00E-180	377	392	96 +	358	746	7220	7611
UN70393	Rsa1.0.00087.1	728	761073	1.00E-113	262	281	93 -	369	642	66847	67127

UN70394	Rsa1.0.01704.1	803	40711	0	769	815	94 +	3	793	31236	32047
UN70395	Rsa1.0.00096.1	724	198773	0	354	365	96 +	137	501	29637	30001
UN70396	Rsa1.0.14400.1	742	3430	1.00E-119	371	419	88 +	332	742	2	402
UN70397	Rsa1.0.00496.1	795	79834	1.00E-157	344	361	95 +	431	788	34242	34602
UN70398	Rsa1.0.02029.1	632	35857	0	605	630	96 +	3	632	25120	25749
UN70399	Rsa1.0.00377.1	783	90038	0	755	807	93 +	2	783	3389	4189
UN70400	Rsa1.0.00122.1	331	265937	1.00E-149	314	330	95 +	2	331	45221	45544
UN70401	Rsa1.0.00620.1	773	71985	1.00E-106	213	219	97 -	366	584	55327	55545
UN70402	Rsa1.0.02527.1	702	177225	0	678	702	96 +	2	702	16752	17453
UN70403	Rsa1.0.00061.1	726	218685	1.00E-114	225	230	97 -	223	452	70068	70297
UN70404	Rsa1.0.08840.1	343	6871	3.00E-70	278	320	86 +	3	320	6306	6619
UN70405	Rsa1.0.00122.1	689	265937	0	644	680	94 -	3	681	30927	31597
UN70406	Rsa1.0.03735.1	689	21087	0	526	541	97 +	2	541	4542	5081
UN70407	Rsa1.0.04994.1	766	15199	0	735	763	96 +	3	765	848	1610
UN70408	Rsa1.0.06083.1	680	11780	3.00E-96	194	199	97 -	159	357	5848	6046
UN70409	Rsa1.0.09910.1	563	6093	0	452	478	94 +	93	561	3130	3607
UN70410	Rsa1.0.00558.1	771	75819	0	560	572	97 +	1	570	28252	28823
UN70411	Rsa1.0.00470.1	654	81968	1.00E-167	356	374	95 -	282	654	27996	28369
UN70412	Rsa1.0.02913.1	785	26816	1.00E-103	244	259	94 -	3	256	23774	24030
UN70413	Rsa1.0.00644.1	760	136881	3.00E-87	278	315	88 +	399	712	39544	39842
UN70414	Rsa1.0.00900.1	838	60367	1.00E-160	380	407	93 -	3	386	13294	13700
UN70415	Rsa1.0.06083.1	723	11780	2.00E-88	181	186	97 -	387	572	8981	9166
UN70416	Rsa1.0.00582.1	574	74333	9.00E-90	215	229	93 +	290	518	73685	73908
UN70417	Rsa1.0.01100.1	776	54113	1.00E-145	348	368	94 +	418	776	23894	24261
UN70418	Rsa1.0.00024.1	768	188018	1.00E-131	346	377	91 +	402	768	84590	84962
UN70419	Rsa1.0.03209.1	812	24592	0	423	442	95 +	3	443	16800	17241
UN70420	Rsa1.0.04438.1	647	17361	1.00E-140	409	463	88 -	113	563	5388	5841
UN70421	Rsa1.0.13949.1	628	4028	1.00E-175	360	376	95 +	3	374	1093	1468
UN70422	Rsa1.0.00383.1	685	398431	3.00E-96	203	211	96 -	292	502	188964	189174
UN70423	Rsa1.0.03779.1	643	20899	2.00E-53	163	181	90 +	136	313	349	529
UN70424	Rsa1.0.04873.1	288	15657	2.00E-55	123	126	97 +	129	253	13838	13963
UN70425	Rsa1.0.00333.1	800	94500	0	611	636	96 -	108	741	36239	36874
UN70426	Rsa1.0.10486.1	681	5830	4.00E-77	150	151	99 +	402	552	169	319
UN70427	Rsa1.0.00229.1	257	105471	5.00E-77	155	158	98 -	43	200	58466	58623
UN70428	Rsa1.0.04741.1	619	16164	6.00E-91	185	190	97 +	332	521	5949	6138
UN70429	Rsa1.0.03385.1	678	23280	0	653	681	95 +	1	676	18807	19487
UN70430	Rsa1.0.00632.1	472	183777	1.00E-107	271	291	93 +	189	471	168864	169151
UN70431	Rsa1.0.00136.1	726	122464	1.00E-124	250	258	96 -	268	525	65625	65882
UN70432	Rsa1.0.00679.1	666	68971	1.00E-155	287	290	98 +	301	590	59989	60278

UN70433	Rsa1.0.00060.1	774	502678	0	476	498	95 +	272	765	248130	248627
UN70434	Rsa1.0.00457.1	602	337301	1.00E-135	265	272	97 +	303	574	139230	139501
UN70435	Rsa1.0.00425.1	760	147080	2.00E-88	169	170	99 +	420	589	92485	92654
UN70436	Rsa1.0.00417.1	804	395068	1.00E-115	285	299	95 +	513	803	259259	259557
UN70437	Rsa1.0.00101.1	709	267193	0	591	644	91 +	69	705	89099	89733
UN70438	Rsa1.0.00812.1	517	63233	1.00E-130	281	294	95 +	7	292	17159	17452
UN70439	Rsa1.0.00280.1	410	99966	0	393	412	95 -	2	410	12148	12555
UN70440	Rsa1.0.02016.1	793	36003	1.00E-108	209	211	99 +	2	211	23419	23629
UN70441	Rsa1.0.00380.1	701	89748	1.00E-117	224	227	98 -	1	227	13688	13914
UN70442	Rsa1.0.48683.1	402	465	0	381	400	95 +	2	401	49	448
UN70443	Rsa1.0.02670.1	779	28887	1.00E-108	269	290	92 +	6	292	641	924
UN70444	Rsa1.0.17443.1	739	1828	1.00E-133	262	269	97 +	3	271	982	1250
UN70445	Rsa1.0.01580.1	678	42852	1.00E-86	244	271	90 +	246	516	23407	23677
UN70446	Rsa1.0.01434.1	741	45951	0	522	545	95 +	3	540	21178	21722
UN70447	Rsa1.0.02473.1	722	31083	1.00E-108	278	297	93 -	429	722	13356	13647
UN70448	#	#	#	#	#	#	#	#	#	#	#
UN70449	Rsa1.0.00069.1	779	403561	0	617	653	94 +	40	686	17840	18485
UN70450	Rsa1.0.00658.1	770	69740	1.00E-166	342	354	96 -	136	484	18412	18765
UN70451	Rsa1.0.01376.1	760	47004	1.00E-126	259	269	96 +	492	760	41027	41295
UN70452	Rsa1.0.01245.1	818	149868	5.00E-58	115	115	100 +	371	485	39634	39748
UN70453	Rsa1.0.01283.1	773	49257	0	745	777	95 -	1	769	16112	16880
UN70454	Rsa1.0.02500.1	722	30768	0	456	488	93 +	58	542	8542	9026
UN70455	Rsa1.0.00121.1	454	278029	1.00E-142	289	299	96 +	5	301	112281	112579
UN70456	Rsa1.0.07327.1	777	9549	1.00E-161	330	340	97 +	441	777	4858	5197
UN70457	Rsa1.0.10036.1	617	6030	1.00E-124	341	382	89 +	257	612	490	870
UN70458	Rsa1.0.00873.1	735	61459	8.00E-94	246	259	94 +	485	735	46323	46581
UN70459	Rsa1.0.00679.1	744	68971	1.00E-143	282	290	97 +	311	600	59989	60278
UN70460	Rsa1.0.00007.1	326	239325	2.00E-55	203	232	87 +	3	232	52635	52859
UN70461	Rsa1.0.00222.1	803	172263	0	671	677	99 -	22	694	153068	153744
UN70462	Rsa1.0.00752.1	652	65756	1.00E-156	350	370	94 +	287	652	35504	35867
UN70463	Rsa1.0.00706.1	618	291570	5.00E-79	183	194	94 -	99	292	28510	28703
UN70464	Rsa1.0.01881.1	788	37721	0	558	575	97 -	215	782	33167	33741
UN70465	Rsa1.0.00337.1	655	143174	1.00E-125	257	265	96 +	395	655	2366	2630
UN70466	Rsa1.0.00466.1	672	82132	0	620	669	92 -	21	670	27217	27882
UN70467	Rsa1.0.05559.1	830	13329	0	415	425	97 +	250	674	7400	7824
UN70468	Rsa1.0.02215.1	638	33822	1.00E-92	188	193	97 -	446	638	16723	16915
UN70469	Rsa1.0.00547.1	599	76521	1.00E-168	338	351	96 -	236	579	1060	1407
UN70470	Rsa1.0.02319.1	484	32580	2.00E-44	98	100	98 -	79	178	29059	29158
UN70471	Rsa1.0.00545.1	105	189649	1.00E-19	80	85	94 +	18	98	836	920

UN70472	Rsa1.0.00964.1	798	316648	1.00E-113	240	250	96 -	21	267	162522	162771
UN70473	Rsa1.0.01591.1	482	42718	1.00E-121	292	313	93 -	159	467	8923	9233
UN70474	Rsa1.0.00714.1	696	67187	7.00E-94	244	264	92 +	31	286	13175	13435
UN70475	Rsa1.0.00007.1	182	239325	1.00E-39	147	164	89 +	19	181	42378	42535
UN70476	Rsa1.0.06164.1	704	11584	1.00E-144	322	340	94 +	3	341	1544	1882
UN70477	Rsa1.0.62848.1	290	365	1.00E-122	251	260	96 -	34	290	93	352
UN70478	Rsa1.0.00744.1	736	66084	0	395	416	94 +	1	409	16992	17401
UN70479	Rsa1.0.01335.1	697	47894	0	427	460	92 -	1	451	3909	4359
UN70480	Rsa1.0.02340.1	747	32388	0	714	738	96 +	10	743	15716	16453
UN70481	Rsa1.0.00369.1	622	266462	1.00E-165	334	346	96 +	278	622	169354	169699
UN70482	Rsa1.0.12805.1	548	5121	9.00E-59	143	152	94 +	105	256	4970	5121
UN70483	Rsa1.0.03477.1	532	22635	0	396	398	99 +	98	495	2550	2947
UN70484	Rsa1.0.15270.1	605	2718	1.00E-149	279	283	98 +	323	605	1267	1549
UN70485	Rsa1.0.01180.1	789	51517	1.00E-147	296	305	97 -	16	319	33362	33666
UN70486	Rsa1.0.01302.1	123	48907	1.00E-26	107	121	88 +	3	123	704	818
UN70487	Rsa1.0.04625.1	616	16613	0	413	417	99 +	3	416	4603	5019
UN70488	Rsa1.0.00453.1	396	83031	1.00E-139	284	293	96 +	2	290	79175	79467
UN70489	Rsa1.0.00964.1	668	316648	3.00E-65	145	151	96 -	435	585	160472	160622
UN70490	Rsa1.0.00269.1	747	341668	0	696	742	93 +	17	744	16422	17163
UN70491	Rsa1.0.00883.1	518	61230	8.00E-87	206	218	94 -	3	220	31185	31399
UN70492	Rsa1.0.02874.1	553	27070	1.00E-138	286	297	96 +	42	336	4410	4706
UN70493	Rsa1.0.01489.1	648	44764	0	622	637	97 +	2	638	25418	26054
UN70494	Rsa1.0.00121.1	645	278029	0	337	339	99 -	4	342	271267	271605
UN70495	Rsa1.0.02098.1	709	35032	1.00E-95	238	254	93 -	436	687	17315	17567
UN70496	Rsa1.0.03191.1	812	145762	1.00E-108	333	376	88 -	115	481	134997	135366
UN70497	Rsa1.0.01518.1	673	141402	1.00E-126	263	273	96 +	10	282	129821	130091
UN70498	Rsa1.0.00965.1	779	58139	2.00E-51	110	112	98 +	218	329	7485	7596
UN70499	Rsa1.0.00436.1	662	85008	1.00E-131	279	292	95 -	373	662	2119	2410
UN70500	Rsa1.0.00628.1	582	214360	0	463	499	92 +	68	562	20466	20962
UN70501	Rsa1.0.01212.1	603	50622	1.00E-109	212	216	98 -	173	388	604	819
UN70502	Rsa1.0.02879.1	810	27047	1.00E-105	206	209	98 -	4	212	26493	26698
UN70503	Rsa1.0.00055.1	277	520193	1.00E-116	262	274	95 -	3	271	161595	161867
UN70504	Rsa1.0.00286.1	460	98709	3.00E-95	227	241	94 +	227	460	11606	11846
UN70505	Rsa1.0.03499.1	807	22462	3.00E-72	160	167	95 +	108	274	18554	18720
UN70506	Rsa1.0.02008.1	766	36109	0	723	746	96 +	1	738	13506	14250
UN70507	Rsa1.0.02369.1	414	32075	0	412	412	100 +	3	414	19852	20263
UN70508	Rsa1.0.02735.1	582	28344	1.00E-164	310	316	98 +	209	524	3322	3637
UN70509	Rsa1.0.00181.1	541	114269	1.00E-125	252	260	96 -	255	514	94058	94317
UN70510	Rsa1.0.04288.1	646	18077	1.00E-148	298	308	96 -	3	307	6087	6394

UN70511	Rsa1.0_00246.1	604	103541	0	486	497	97 +	17	513	98108	98602
UN70512	Rsa1.0_16574.1	539	2106	0	380	389	97 +	78	466	1717	2105
UN70513	Rsa1.0_34677.1	645	653	1.00E-143	287	296	96 +	41	336	2	294
UN70514	Rsa1.0_01453.1	607	45449	0	576	603	95 +	6	607	28437	29039
UN70515	Rsa1.0_03494.1	683	22509	0	458	499	91 +	180	656	13667	14165
UN70516	Rsa1.0_00136.1	789	122464	3.00E-99	281	317	88 -	40	335	68244	68560
UN70517	Rsa1.0_00714.1	798	67187	1.00E-104	246	256	96 +	536	785	10569	10824
UN70518	Rsa1.0_01964.1	718	36702	0	541	582	92 -	141	718	11420	11983
UN70519	Rsa1.0_00474.1	498	81731	1.00E-136	327	351	93 +	47	391	33857	34207
UN70520	Rsa1.0_00686.1	405	68511	1.00E-94	185	188	98 -	67	254	61089	61276
UN70521	Rsa1.0_00262.1	559	101906	6.00E-94	193	199	96 -	285	483	69588	69786
UN70522	Rsa1.0_01175.1	579	51674	1.00E-104	204	208	98 +	344	551	493	700
UN70523	Rsa1.0_08779.1	754	6929	0	640	689	92 +	63	748	2033	2721
UN70524	Rsa1.0_09695.1	823	6206	1.00E-98	216	223	96 +	561	780	580	802
UN70525	Rsa1.0_00873.1	623	61459	7.00E-66	155	164	94 -	179	342	14113	14276
UN70526	Rsa1.0_00707.1	654	190112	0	382	398	95 -	44	440	179614	180007
UN70527	Rsa1.0_04732.1	585	16193	0	554	554	100 +	1	554	2130	2683
UN70528	Rsa1.0_00116.1	793	365886	1.00E-117	274	293	93 +	1	290	311250	311542
UN70529	Rsa1.0_00910.1	840	59975	3.00E-50	114	118	96 -	418	535	33769	33886
UN70530	Rsa1.0_00076.1	498	146021	0	428	443	96 -	59	498	69145	69584
UN70531	Rsa1.0_00618.1	447	72195	1.00E-103	235	249	94 +	14	254	2625	2873
UN70532	Rsa1.0_00804.1	699	63726	1.00E-156	301	308	97 +	2	309	37251	37558
UN70533	Rsa1.0_00415.1	514	86795	1.00E-130	297	314	94 -	3	309	6755	7066
UN70534	Rsa1.0_00096.1	759	198773	0	399	422	94 -	132	548	110504	110922
UN70535	Rsa1.0_00221.1	547	106972	9.00E-99	245	262	93 -	1	260	37880	38139
UN70536	Rsa1.0_02178.1	128	156197	8.00E-28	81	87	93 +	42	128	151983	152069
UN70537	Rsa1.0_00011.1	713	225044	3.00E-68	138	140	98 -	79	218	51953	52092
UN70538	Rsa1.0_00645.1	595	189716	1.00E-122	244	250	97 -	344	592	124820	125069
UN70539	Rsa1.0_01360.1	698	47246	0	400	420	95 -	83	502	45058	45471
UN70540	Rsa1.0_03643.1	160	21607	2.00E-47	144	160	90 +	1	160	69	218
UN70541	Rsa1.0_00216.1	467	197563	2.00E-78	246	269	91 +	6	271	50431	50690
UN70542	Rsa1.0_00328.1	727	224661	0	685	695	98 -	35	727	141967	142660
UN70543	Rsa1.0_59016.1	286	388	1.00E-50	105	106	99 +	1	106	119	224
UN70544	Rsa1.0_00392.1	134	88523	1.00E-45	120	129	93 -	6	134	31811	31939
UN70545	Rsa1.0_01286.1	720	49209	0	351	360	97 -	27	386	9839	10198
UN70546	Rsa1.0_01919.1	754	37272	2.00E-69	167	174	95 -	3	174	6416	6588
UN70547	Rsa1.0_00056.1	793	332604	1.00E-123	268	281	95 -	70	350	107099	107374
UN70548	Rsa1.0_00359.1	713	91256	0	430	452	95 -	1	450	84690	85138
UN70549	Rsa1.0_07122.1	108	9866	4.00E-20	92	106	86 +	1	106	6839	6944

UN70550	Rsa1.0_00699.1	764	184398	1.00E-112	242	254	95 +	285	538	176281	176534
UN70551	Rsa1.0_00315.1	834	96426	0	345	351	98 -	302	652	19802	20152
UN70552	Rsa1.0_52720.1	628	432	0	421	432	97 +	67	498	1	432
UN70553	Rsa1.0_00009.1	779	232558	0	745	769	96 +	2	769	27024	27792
UN70554	Rsa1.0_00299.1	741	97770	1.00E-106	254	273	93 +	154	426	26265	26534
UN70555	Rsa1.0_00002.1	414	601661	0	395	412	95 +	1	410	406129	406536
UN70556	Rsa1.0_00636.1	718	71113	1.00E-128	299	324	92 +	18	340	9874	10179
UN70557	Rsa1.0_01778.1	326	39509	1.00E-109	268	289	92 -	1	289	9400	9682
UN70558	Rsa1.0_00608.1	317	172672	1.00E-141	303	318	95 -	1	317	113784	114101
UN70559	Rsa1.0_00706.1	541	291570	0	505	539	93 +	8	540	23308	23843
UN70560	Rsa1.0_01154.1	649	52249	0	396	400	99 +	3	402	9019	9418
UN70561	Rsa1.0_02030.1	612	179909	0	384	395	97 +	3	397	18410	18804
UN70562	Rsa1.0_00014.1	258	348985	3.00E-66	211	238	88 +	1	238	331575	331809
UN70563	Rsa1.0_05287.1	642	14264	1.00E-176	414	442	93 +	7	442	12031	12470
UN70564	Rsa1.0_00672.1	661	69358	0	606	659	91 +	16	647	38682	39339
UN70565	Rsa1.0_00015.1	348	561803	1.00E-84	174	179	97 +	169	347	482098	482276
UN70566	Rsa1.0_00008.1	330	358124	1.00E-104	224	235	95 +	96	330	54899	55133
UN70567	Rsa1.0_04182.1	103	18610	1.00E-44	100	103	97 +	1	103	1649	1751
UN70568	Rsa1.0_00494.1	784	79967	0	559	567	98 -	218	784	49918	50483
UN70569	Rsa1.0_02365.1	401	32118	1.00E-133	352	386	91 +	13	394	29260	29644
UN70570	Rsa1.0_03618.1	249	21744	2.00E-51	169	185	91 +	68	249	5998	6178
UN70571	Rsa1.0_01261.1	119	49744	3.00E-24	106	120	88 +	1	119	22273	22390
UN70572	Rsa1.0_02994.1	153	26168	4.00E-33	128	148	86 +	6	153	2351	2489
UN70573	Rsa1.0_00030.1	132	250988	7.00E-16	112	132	84 +	1	132	211145	211270
UN70574	Rsa1.0_04098.1	635	19078	1.00E-107	278	297	93 +	5	295	11263	11553
UN70575	Rsa1.0_00822.1	634	62891	1.00E-132	266	275	96 -	360	634	46987	47261
UN70576	Rsa1.0_00523.1	617	178770	1.00E-131	250	253	98 -	363	615	21571	21822
UN70577	Rsa1.0_01431.1	349	167877	1.00E-87	188	196	95 -	3	198	157684	157879
UN70578	Rsa1.0_00033.1	740	515811	1.00E-110	233	239	97 +	505	740	42902	43140
UN70579	Rsa1.0_00387.1	804	495407	0	628	652	96 -	161	804	161630	162278
UN70580	Rsa1.0_03591.1	835	21888	0	436	455	95 +	387	835	10478	10932
UN70581	Rsa1.0_00531.1	692	77387	1.00E-135	275	284	96 +	2	279	23140	23423
UN70582	Rsa1.0_01211.1	648	50646	0	622	641	97 +	8	648	3370	4010
UN70583	Rsa1.0_02524.1	674	30496	0	361	372	97 +	59	430	11355	11726
UN70584	Rsa1.0_05595.1	689	13228	1.00E-109	248	264	93 -	19	282	5270	5527
UN70585	Rsa1.0_00040.1	729	324196	4.00E-74	172	182	94 +	548	729	315227	315408
UN70586	Rsa1.0_02614.1	678	29551	0	635	682	93 +	2	678	5275	5946
UN70587	Rsa1.0_00265.1	555	220635	1.00E-51	107	108	99 -	228	335	146701	146808
UN70588	Rsa1.0_00741.1	681	66117	1.00E-101	261	284	91 +	3	278	49467	49747

UN70589	Rsa1.0_17008.1	151	1955	2.00E-32	86	90	95 -	64	151	667	756
UN70590	Rsa1.0_02234.1	778	33618	1.00E-165	377	405	93 -	320	723	4145	4534
UN70591	Rsa1.0_00415.1	676	86795	0	625	650	96 +	4	652	8916	9565
UN70592	Rsa1.0_03107.1	745	25349	0	389	404	96 +	3	406	12860	13263
UN70593	Rsa1.0_01506.1	706	44370	7.00E-94	184	187	98 -	520	706	32700	32886
UN70594	Rsa1.0_03982.1	773	19723	0	457	480	95 -	225	703	4841	5320
UN70595	Rsa1.0_05139.1	510	14718	0	491	509	96 -	2	509	6973	7475
UN70596	Rsa1.0_01677.1	642	41140	6.00E-82	164	167	98 +	291	457	9523	9689
UN70597	Rsa1.0_02525.1	758	30489	0	360	366	98 +	2	367	4824	5189
UN70598	Rsa1.0_00733.1	700	66583	0	517	548	94 +	163	700	46236	46783
UN70599	Rsa1.0_03013.1	297	26026	1.00E-132	286	297	96 -	2	297	17286	17578
UN70600	Rsa1.0_02722.1	645	28417	0	407	422	96 +	1	416	266	687
UN70601	Rsa1.0_01696.1	733	301850	0	697	740	94 -	3	733	162097	162827
UN70602	Rsa1.0_05172.1	598	14608	1.00E-152	335	356	94 +	243	598	10454	10809
UN70603	Rsa1.0_00821.1	739	62891	0	450	467	96 +	3	469	46889	47355
UN70604	Rsa1.0_08462.1	731	7312	0	390	403	96 -	326	725	2358	2760
UN70605	Rsa1.0_00645.1	698	189716	0	666	689	96 +	1	686	28216	28904
UN70606	Rsa1.0_02582.1	780	29889	0	748	771	97 -	2	770	4805	5575
UN70607	Rsa1.0_00360.1	740	91190	0	723	746	96 +	1	740	79869	80614
UN70608	Rsa1.0_03145.1	762	25020	1.00E-132	266	275	96 -	438	712	5	279
UN70609	Rsa1.0_01679.1	559	146876	6.00E-94	207	215	96 +	347	559	134616	134830
UN70610	Rsa1.0_01874.1	560	37853	1.00E-116	254	268	94 -	28	295	24318	24585
UN70611	Rsa1.0_00101.1	693	267193	0	437	462	94 +	232	693	223001	223459
UN70612	Rsa1.0_00900.1	807	60367	3.00E-93	187	190	98 -	18	206	28087	28276
UN70613	Rsa1.0_00057.1	710	160473	1.00E-170	368	386	95 -	329	710	33652	34037
UN70614	Rsa1.0_01463.1	760	45213	0	728	760	95 -	2	760	36586	37345
UN70615	Rsa1.0_00769.1	714	64911	0	689	707	97 -	3	706	27395	28090
UN70616	Rsa1.0_00017.1	817	752458	1.00E-105	201	203	99 -	485	687	741109	741311
UN70617	Rsa1.0_02232.1	818	33659	0	514	539	95 +	5	540	13117	13643
UN70618	Rsa1.0_00423.1	633	86138	0	486	517	94 -	8	521	39552	40065
UN70619	Rsa1.0_15061.1	718	2858	1.00E-122	234	238	98 -	165	402	1426	1663
UN70620	Rsa1.0_05932.1	835	12207	1.00E-144	295	307	96 -	155	461	1391	1697
UN70621	Rsa1.0_03264.1	781	145959	1.00E-131	363	405	89 +	3	392	138261	138665
UN70622	Rsa1.0_00930.1	712	59224	1.00E-134	263	270	97 +	439	708	48406	48675
UN70623	Rsa1.0_04526.1	757	16962	1.00E-111	250	260	96 -	488	743	14052	14310
UN70624	Rsa1.0_01576.1	726	42923	7.00E-85	198	211	93 +	4	214	8364	8568
UN70625	Rsa1.0_03225.1	395	24500	1.00E-171	329	336	97 -	60	395	19598	19931
UN70626	Rsa1.0_02267.1	770	33194	1.00E-70	176	184	95 -	591	770	24172	24355
UN70627	Rsa1.0_00022.1	795	200461	1.00E-128	266	277	96 -	150	426	69611	69887

UN70628	Rsa1.0.02117.1	693	34843	1.00E-134	273	283	96 -	68	350	4609	4891
UN70629	Rsa1.0.01937.1	785	37147	0	778	790	98 +	1	785	896	1678
UN70630	Rsa1.0.00123.1	621	325650	0	443	462	95 -	160	621	308541	309001
UN70631	Rsa1.0.05086.1	681	14886	1.00E-100	210	218	96 -	7	224	8930	9147
UN70632	Rsa1.0.00727.1	691	66724	0	417	430	96 -	2	422	43745	44174
UN70633	Rsa1.0.00333.1	806	94500	9.00E-60	136	142	95 +	264	405	31769	31910
UN70634	Rsa1.0.00527.1	741	77733	4.00E-12	101	122	82 +	612	733	23504	23625
UN70635	Rsa1.0.00009.1	639	232558	0	621	648	95 +	1	639	121394	122038
UN70636	Rsa1.0.05358.1	607	14060	0	430	439	97 +	2	440	3021	3459
UN70637	Rsa1.0.05112.1	821	14814	1.00E-163	305	308	99 -	272	578	12469	12776
UN70638	Rsa1.0.01635.1	736	41865	1.00E-156	332	348	95 -	390	736	38672	39019
UN70639	Rsa1.0.04375.1	754	141717	0	731	755	96 +	2	753	6198	6952
UN70640	Rsa1.0.00078.1	648	175053	0	609	647	94 -	2	648	79471	80117
UN70641	Rsa1.0.00055.1	669	520193	0	393	410	95 +	2	409	39497	39906
UN70642	Rsa1.0.00800.1	782	63868	1.00E-119	224	226	99 +	117	342	60809	61034
UN70643	#	#	#	#	#	#	#	#	#	#	#
UN70644	Rsa1.0.02247.1	652	33427	3.00E-56	127	132	96 +	354	485	28041	28172
UN70645	Rsa1.0.01045.1	730	55853	0	690	718	96 +	7	721	32970	33678
UN70646	Rsa1.0.00202.1	789	185895	0	744	776	95 +	19	789	82920	83691
UN70647	Rsa1.0.03618.1	659	21744	1.00E-143	266	268	99 -	342	609	11054	11319
UN70648	Rsa1.0.02320.1	805	32575	1.00E-161	359	383	93 +	11	393	22068	22444
UN70649	Rsa1.0.00686.1	801	68511	1.00E-92	202	209	96 -	558	764	28744	28952
UN70650	Rsa1.0.00113.1	796	131574	3.00E-78	164	169	97 -	1	169	81089	81257
UN70651	Rsa1.0.04730.1	680	16199	0	577	591	97 +	93	680	1	591
UN70652	Rsa1.0.01175.1	748	51674	1.00E-119	406	470	86 +	246	689	221	677
UN70653	Rsa1.0.06503.1	790	10881	0	662	703	94 -	105	790	6574	7274
UN70654	Rsa1.0.00265.1	708	220635	1.00E-112	293	320	91 +	392	708	195831	196150
UN70655	Rsa1.0.03994.1	579	19659	1.00E-144	315	337	93 +	259	579	1755	2091
UN70656	Rsa1.0.00187.1	808	393093	1.00E-137	323	339	95 -	443	774	156273	156611
UN70657	Rsa1.0.05199.1	323	14529	1.00E-75	174	184	94 -	2	185	5433	5616
UN70658	Rsa1.0.00124.1	760	262503	0	620	643	96 -	5	647	58430	59069
UN70659	Rsa1.0.57249.1	508	399	1.00E-100	315	359	87 +	72	413	42	399
UN70660	Rsa1.0.01075.1	787	156953	0	648	686	94 +	104	787	135744	136426
UN70661	Rsa1.0.00978.1	684	57739	1.00E-138	462	532	86 +	49	571	42015	42543
UN70662	Rsa1.0.00379.1	726	89865	1.00E-174	338	347	97 -	249	595	11967	12310
UN70663	Rsa1.0.00371.1	661	90463	1.00E-112	256	272	94 +	243	511	9773	10044
UN70664	Rsa1.0.03612.1	738	21784	1.00E-120	559	669	83 +	80	738	1	639
UN70665	Rsa1.0.00194.1	640	110851	0	421	449	93 +	193	640	13143	13584
UN70666	Rsa1.0.00377.1	513	90038	0	496	512	96 +	2	513	67165	67676

UN70667	Rsa1.0.02235.1	633	33615	0	609	642	94 +	1	628	8461	9101
UN70668	Rsa1.0.00628.1	555	214360	1.00E-117	250	262	95 -	68	329	213000	213261
UN70669	Rsa1.0.01435.1	523	45942	2.00E-87	215	231	93 +	194	424	41237	41465
UN70670	Rsa1.0.02494.1	780	132923	1.00E-86	199	210	94 +	3	212	118765	118972
UN70671	Rsa1.0.02207.1	439	33914	5.00E-69	133	133	100 -	168	300	31363	31495
UN70672	Rsa1.0.01412.1	772	46311	1.00E-162	318	325	97 +	386	708	2268	2592
UN70673	Rsa1.0.00224.1	713	327530	1.00E-134	298	316	94 +	354	666	199791	200100
UN70674	Rsa1.0.00037.1	613	307838	0	385	395	97 -	3	397	42175	42569
UN70675	Rsa1.0.01977.1	401	36559	1.00E-126	253	261	96 +	86	346	23094	23354
UN70676	Rsa1.0.03143.1	335	25024	1.00E-109	225	233	96 +	103	335	11910	12142
UN70677	Rsa1.0.00678.1	781	193163	0	486	514	94 -	222	723	177047	177554
UN70678	Rsa1.0.04110.1	725	18998	1.00E-126	263	273	96 +	12	284	4831	5102
UN70679	Rsa1.0.01537.1	737	187285	0	450	481	93 +	1	479	14842	15313
UN70680	Rsa1.0.00669.1	697	69419	1.00E-140	265	269	98 -	3	271	36724	36992
UN70681	Rsa1.0.02601.1	812	29654	1.00E-114	278	296	93 +	522	812	3968	4263
UN70682	Rsa1.0.00789.1	633	64233	1.00E-119	261	275	94 -	26	300	50369	50640
UN70683	Rsa1.0.00180.1	739	114581	1.00E-98	210	219	95 +	180	398	110422	110640
UN70684	Rsa1.0.01915.1	141	37339	2.00E-38	81	81	100 -	12	92	12496	12576
UN70685	Rsa1.0.01110.1	773	195852	4.00E-71	146	149	97 -	373	521	20974	21122
UN70686	Rsa1.0.04429.1	763	17393	1.00E-152	309	321	96 -	223	543	13299	13619
UN70687	Rsa1.0.00397.1	693	88189	0	678	706	96 -	3	693	4635	5339
UN70688	Rsa1.0.00318.1	476	96094	0	472	480	98 +	1	476	38819	39297
UN70689	Rsa1.0.00301.1	789	365315	0	497	517	96 +	218	733	26031	26547
UN70690	Rsa1.0.08902.1	143	6805	6.00E-35	125	139	89 -	1	138	4325	4462
UN70691	Rsa1.0.08278.1	172	7612	4.00E-83	159	160	99 +	13	172	7197	7356
UN70692	Rsa1.0.25328.1	365	941	2.00E-58	133	139	95 -	57	195	213	351
UN70693	Rsa1.0.00060.1	749	502678	0	700	719	97 -	35	749	58122	58840
UN70694	Rsa1.0.02275.1	827	33107	0	755	768	98 -	4	768	13537	14302
UN70695	Rsa1.0.04670.1	731	16453	1.00E-136	271	278	97 +	3	279	3407	3684
UN70696	Rsa1.0.01591.1	474	42718	1.00E-115	284	306	92 -	176	474	8928	9233
UN70697	Rsa1.0.00477.1	604	81556	1.00E-137	292	304	96 -	297	599	10546	10848
UN70698	Rsa1.0.08211.1	714	7714	1.00E-166	299	300	99 +	4	303	865	1164
UN70699	Rsa1.0.00087.1	722	761073	1.00E-77	184	194	94 +	533	722	314989	315182
UN70700	Rsa1.0.00262.1	211	101906	7.00E-85	205	216	94 +	2	211	66486	66700
UN70701	Rsa1.0.01459.1	758	45277	3.00E-62	128	130	98 -	2	131	25946	26075
UN70702	Rsa1.0.14644.1	723	3195	0	579	597	96 +	1	597	2238	2834
UN70703	Rsa1.0.11573.1	724	5468	1.00E-137	293	307	95 -	419	724	5136	5442
UN70704	Rsa1.0.01013.1	656	56822	0	347	350	99 -	26	375	29533	29882
UN70705	Rsa1.0.00773.1	801	64839	0	606	631	96 -	1	628	1579	2209

UN70706	Rsa1.0_04557.1	287	145048	1.00E-139	253	254	99 +	34	287	135868	136121
UN70707	Rsa1.0_00001.1	708	363028	1.00E-118	272	293	92 +	4	296	309429	309709
UN70708	Rsa1.0_00422.1	540	86144	0	428	448	95 +	83	525	16094	16541
UN70709	Rsa1.0_07859.1	406	8409	0	389	401	97 -	6	406	5754	6153
UN70710	Rsa1.0_01190.1	778	194501	1.00E-128	293	307	95 +	478	778	13189	13495
UN70711	Rsa1.0_00055.1	586	520193	1.00E-70	139	140	99 +	2	141	56969	57108
UN70712	Rsa1.0_00012.1	719	222148	0	662	746	88 +	1	717	133876	134587
UN70713	Rsa1.0_01566.1	589	43134	6.00E-91	268	297	90 -	6	289	34818	35113
UN70714	Rsa1.0_00582.1	706	74333	0	641	648	98 -	59	706	12107	12754
UN70715	Rsa1.0_00036.1	759	176186	3.00E-96	203	211	96 -	282	492	155861	156071
UN70716	Rsa1.0_66394.1	273	345	4.00E-59	128	132	96 +	63	194	214	345
UN70717	Rsa1.0_02357.1	217	32220	9.00E-66	142	147	96 -	71	217	12584	12730
UN70718	Rsa1.0_11048.1	668	5634	2.00E-69	189	206	91 +	273	478	262	466
UN70719	Rsa1.0_00197.1	116	109714	4.00E-11	48	51	94 +	34	84	91052	91101
UN70720	Rsa1.0_09406.1	605	6391	1.00E-110	221	227	97 +	179	405	5073	5299
UN70721	Rsa1.0_00282.1	480	177799	1.00E-110	338	388	87 +	42	411	117289	117670
UN70722	Rsa1.0_00344.1	592	191774	2.00E-78	161	165	97 +	312	476	154180	154344
UN70723	Rsa1.0_01377.1	648	46967	1.00E-166	315	321	98 -	328	648	11331	11651
UN70724	Rsa1.0_01061.1	792	55349	1.00E-136	300	318	94 +	250	567	16136	16453
UN70725	Rsa1.0_01101.1	557	54031	5.00E-54	157	170	92 +	5	171	40321	40488
UN70726	Rsa1.0_00246.1	715	103541	1.00E-135	288	302	95 -	3	301	7484	7785
UN70727	Rsa1.0_00039.1	713	296927	1.00E-80	171	177	96 -	314	490	49432	49608
UN70728	Rsa1.0_03385.1	632	23280	0	496	505	98 -	1	505	19775	20278
UN70729	Rsa1.0_00281.1	345	99908	5.00E-90	180	184	97 +	162	345	2642	2825
UN70730	Rsa1.0_15730.1	719	2458	1.00E-162	298	301	99 +	3	303	2158	2458
UN70731	Rsa1.0_00011.1	743	225044	0	480	503	95 -	75	576	175775	176277
UN70732	Rsa1.0_00123.1	668	325650	7.00E-60	137	142	96 -	7	147	243050	243191
UN70733	Rsa1.0_00042.1	787	171507	1.00E-120	268	284	94 +	114	397	155679	155962
UN70734	Rsa1.0_01881.1	677	37721	2.33E-156	310	324	95 +	363	677	29442	29765
UN70735	Rsa1.0_00341.1	759	249309	1.00E-116	237	245	96 -	335	579	81927	82171
UN70736	Rsa1.0_03321.1	675	23755	0	458	488	93 -	188	675	669	1150
UN70737	Rsa1.0_04319.1	680	17944	0	398	414	96 +	2	415	6166	6579
UN70738	Rsa1.0_00056.1	722	332604	1.00E-110	250	269	92 +	3	256	103797	104065
UN70739	Rsa1.0_00352.1	713	92266	0	578	590	97 +	124	713	22072	22661
UN70740	Rsa1.0_02244.1	793	33494	0	657	680	96 -	105	773	16893	17572
UN70741	Rsa1.0_54894.1	708	416	1.00E-104	288	324	88 -	7	324	33	334
UN70742	Rsa1.0_02500.1	735	30768	6.00E-76	187	201	93 +	449	649	7770	7970
UN70743	Rsa1.0_01484.1	732	44806	8.00E-97	201	208	96 +	353	560	25250	25457
UN70744	Rsa1.0_00302.1	652	97521	0	618	657	94 +	1	652	75707	76347

UN70745	Rsa1.0.01825.1	428	38725	2.00E-87	179	184	97 -	152	335	15884	16067
UN70746	Rsa1.0.00051.1	785	258225	0	731	777	94 +	1	773	134472	135248
UN70747	Rsa1.0.00008.1	673	358124	1.00E-109	201	201	100 -	6	206	88834	89034
UN70748	Rsa1.0.01565.1	730	155447	1.00E-119	232	237	97 -	172	408	12086	12322
UN70749	Rsa1.0.00623.1	628	207630	0	387	394	98 -	235	628	152803	153196
UN70750	Rsa1.0.05004.1	747	15172	0	710	736	96 -	9	734	13912	14647
UN70751	Rsa1.0.00083.1	503	442773	0	489	504	97 +	1	503	401839	402337
UN70752	Rsa1.0.00047.1	836	168582	1.00E-102	223	233	95 -	1	232	115948	116180
UN70753	Rsa1.0.04113.1	731	18986	1.00E-135	265	271	97 -	261	529	10364	10634
UN70754	Rsa1.0.00706.1	220	291570	7.00E-42	132	147	89 -	5	151	278051	278197
UN70755	Rsa1.0.00497.1	310	79830	4.00E-87	233	255	91 -	57	310	43604	43858
UN70756	Rsa1.0.02805.1	687	27698	1.00E-138	306	322	95 +	1	316	13652	13973
UN70757	Rsa1.0.00133.1	617	123768	0	447	454	98 +	2	455	59314	59765
UN70758	Rsa1.0.16051.1	274	2305	5.00E-99	256	278	92 +	3	274	1883	2158
UN70759	Rsa1.0.02705.1	631	28535	0	403	424	95 -	1	424	13112	13535
UN70760	Rsa1.0.01441.1	839	45790	0	609	624	97 +	11	634	44619	45242
UN70761	Rsa1.0.10770.1	838	5723	0	521	535	97 +	307	838	431	957
UN70762	Rsa1.0.14634.1	789	3205	1.00E-89	232	251	92 -	7	254	1772	2017
UN70763	Rsa1.0.04396.1	721	17561	1.00E-116	233	240	97 +	482	721	12194	12433
UN70764	Rsa1.0.00289.1	773	98620	1.00E-174	309	309	100 +	1	309	70354	70662
UN70765	Rsa1.0.00222.1	780	172263	0	465	491	94 +	4	493	52923	53409
UN70766	Rsa1.0.00382.1	810	251946	0	771	801	96 -	8	805	38501	39300
UN70767	Rsa1.0.00342.1	582	93695	1.00E-110	267	291	91 -	3	293	1568	1845
UN70768	Rsa1.0.00285.1	726	149638	0	499	527	94 -	2	521	142472	142994
UN70769	Rsa1.0.00006.1	115	396176	2.00E-40	100	104	96 +	1	103	368613	368716
UN70770	Rsa1.0.04785.1	465	15993	1.00E-149	313	324	96 +	3	326	7176	7496
UN70771	Rsa1.0.01682.1	377	41090	3.00E-79	332	393	84 -	1	377	26362	26739
UN70772	Rsa1.0.49835.1	141	455	7.00E-50	132	140	94 -	4	141	2	141
UN70773	Rsa1.0.00545.1	707	189649	1.00E-145	264	265	99 -	1	265	5595	5859
UN70774	Rsa1.0.00274.1	671	210119	1.00E-163	320	329	97 -	3	328	46547	46875
UN70775	Rsa1.0.16660.1	619	2073	9.00E-81	298	348	85 -	11	344	645	971
UN70776	Rsa1.0.00018.1	748	410899	0	700	739	94 -	16	745	7547	8285
UN70777	Rsa1.0.01233.1	446	50184	1.00E-133	357	391	91 +	60	446	23511	23894
UN70778	Rsa1.0.15461.1	543	2591	0	536	543	98 -	1	543	1082	1624
UN70779	Rsa1.0.06149.1	821	11615	0	756	790	95 -	29	817	3682	4471
UN70780	Rsa1.0.00398.1	741	88007	0	678	746	90 -	3	741	10695	11412
UN70781	Rsa1.0.00453.1	517	83031	1.00E-144	444	505	87 +	39	517	80226	80717
UN70782	Rsa1.0.03224.1	822	24501	1.00E-175	365	379	96 +	442	817	3731	4109
UN70783	Rsa1.0.03668.1	569	21483	0	557	572	97 -	1	569	2635	3206

UN70784	Rsa1.0.02206.1	832	33922	0	831	835	99 +	2	832	22564	23398
UN70785	Rsa1.0.05418.1	683	13816	2.00E-69	184	200	92 +	255	452	3497	3685
UN70786	Rsa1.0.09646.1	559	6234	0	393	395	99 -	61	455	593	987
UN70787	Rsa1.0.04073.1	819	19238	4.00E-99	229	244	93 +	396	639	11043	11286
UN70788	Rsa1.0.00448.1	805	84048	0	743	773	96 +	34	799	53142	53914
UN70789	Rsa1.0.00977.1	657	198001	0	645	657	98 +	1	657	188604	189260
UN70790	Rsa1.0.00492.1	749	80178	0	546	553	98 +	66	618	39382	39932
UN70791	Rsa1.0.02057.1	151	35540	1.00E-70	147	151	97 -	1	151	10697	10847
UN70792	Rsa1.0.01728.1	802	40239	0	738	801	92 +	4	801	3972	4757
UN70793	Rsa1.0.03059.1	112	25711	3.00E-24	60	61	98 +	52	112	8614	8674
UN70794	Rsa1.0.03155.1	118	24958	2.00E-25	84	91	92 +	28	118	20582	20671
UN70795	Rsa1.0.01828.1	725	38681	0	711	723	98 +	1	722	14580	15301
UN70796	Rsa1.0.19481.1	602	1426	0	383	395	96 -	9	400	943	1337
UN70797	Rsa1.0.00033.1	284	515811	1.00E-125	271	285	95 +	1	284	485116	485393
UN70798	Rsa1.0.00104.1	657	368722	1.00E-138	283	294	96 +	215	508	38524	38817
UN70799	Rsa1.0.03391.1	794	23251	0	719	754	95 +	40	787	15604	16353
UN70800	Rsa1.0.04846.1	585	15739	1.00E-103	207	211	98 +	1	210	5611	5821
UN70801	Rsa1.0.00119.1	661	467509	0	640	666	96 -	1	661	3521	4185
UN70802	Rsa1.0.00002.1	501	601661	3.00E-77	153	155	98 -	1	155	446043	446197
UN70803	Rsa1.0.00213.1	269	108167	6.00E-52	166	185	89 +	10	193	58570	58745
UN70804	Rsa1.0.00623.1	576	207630	1.00E-156	317	328	96 +	3	329	195175	195502
UN70805	Rsa1.0.03275.1	279	24159	1.00E-105	215	222	96 +	58	279	10668	10889
UN70806	Rsa1.0.02104.1	162	34985	4.00E-55	151	161	93 +	1	159	23623	23782
UN70807	Rsa1.0.20661.1	361	1282	1.00E-114	315	348	90 -	3	349	732	1077
UN70808	Rsa1.0.01632.1	583	181224	1.00E-103	265	286	92 -	299	583	9031	9314
UN70809	Rsa1.0.01321.1	401	48248	1.00E-32	98	107	91 -	275	375	36148	36254
UN70810	Rsa1.0.02419.1	647	31583	0	642	647	99 -	3	647	563	1209
UN70811	Rsa1.0.00077.1	664	145005	1.00E-178	359	373	96 -	4	376	69867	70239
UN70812	Rsa1.0.00133.1	603	123768	2.00E-90	185	190	97 -	2	191	52774	52959
UN70813	Rsa1.0.00488.1	534	80490	8.00E-50	104	105	99 -	272	376	78814	78918
UN70814	Rsa1.0.01352.1	647	47443	1.00E-102	219	229	95 +	416	644	12214	12442
UN70815	Rsa1.0.00616.1	563	195713	1.00E-161	291	292	99 +	3	294	193960	194251
UN70816	Rsa1.0.10770.1	693	5723	0	657	694	94 -	2	693	892	1577
UN70817	Rsa1.0.15186.1	197	2772	6.00E-42	108	115	93 -	1	115	1966	2080
UN70818	Rsa1.0.00290.1	623	225096	0	576	587	98 -	2	585	202813	203399
UN70819	Rsa1.0.04422.1	750	17423	0	725	747	97 +	10	750	7669	8412
UN70820	Rsa1.0.00290.1	631	225096	4.00E-92	205	216	94 +	11	226	188635	188850
UN70821	Rsa1.0.00087.1	487	761073	1.00E-109	240	248	96 -	1	248	294730	294973
UN70822	Rsa1.0.04396.1	685	17561	1.00E-120	244	252	96 -	262	513	12761	13012

UN70823	Rsa1.0.00136.1	579	122464	0	419	430	97 +	153	579	76241	76670
UN70824	Rsa1.0.70340.1	297	326	1.00E-90	181	185	97 -	5	189	55	239
UN70825	Rsa1.0.00222.1	618	172263	1.00E-145	285	293	97 -	1	293	54390	54682
UN70826	Rsa1.0.01115.1	666	183545	1.00E-174	358	374	95 +	3	372	174027	174400
UN70827	Rsa1.0.00722.1	473	66840	2.00E-96	209	218	95 -	173	388	14010	14227
UN70828	Rsa1.0.00016.1	707	831256	1.00E-110	236	246	95 +	458	702	392173	392418
UN70829	Rsa1.0.00002.1	751	601661	2.00E-76	246	279	88 +	34	303	9269	9547
UN70830	Rsa1.0.00748.1	633	65983	2.00E-81	274	307	89 -	1	288	65464	65765
UN70831	Rsa1.0.01586.1	669	42804	0	629	673	93 -	1	666	28252	28920
UN70832	Rsa1.0.23245.1	338	1062	1.00E-166	329	341	96 -	1	333	217	557
UN70833	Rsa1.0.00463.1	687	189177	1.00E-150	288	294	97 -	394	687	116000	116293
UN70834	Rsa1.0.08846.1	542	6867	3.00E-89	222	238	93 -	1	237	3201	3436
UN70835	Rsa1.0.02803.1	698	27715	8.00E-66	150	156	96 -	180	334	26242	26397
UN70836	Rsa1.0.00071.1	468	345714	1.00E-159	314	324	96 +	1	324	336661	336984
UN70837	Rsa1.0.02477.1	826	31058	0	341	341	100 -	1	341	12136	12476
UN70838	Rsa1.0.00001.1	488	363028	0	449	488	92 -	1	488	235810	236286
UN70839	Rsa1.0.00517.1	100	142790	1.00E-35	94	100	94 -	1	100	113212	113311
UN70840	Rsa1.0.06663.1	440	10576	0	415	434	95 +	1	433	6979	7407
UN70841	Rsa1.0.05749.1	456	12746	1.00E-125	279	291	95 -	170	456	1430	1715
UN70842	Rsa1.0.05923.1	598	12230	1.00E-169	385	414	92 +	2	412	4133	4531
UN70843	Rsa1.0.02402.1	149	31710	3.00E-46	133	146	91 +	4	149	23972	24112
UN70844	Rsa1.0.02001.1	203	36198	9.00E-66	185	203	91 -	1	203	32043	32239
UN70845	Rsa1.0.00144.1	724	120708	1.00E-125	316	341	92 -	3	338	10610	10948
UN70846	Rsa1.0.01777.1	636	39511	1.00E-124	234	237	98 +	379	615	18308	18544
UN70847	Rsa1.0.20672.1	590	1281	2.00E-94	185	188	98 +	403	590	1020	1207
UN70848	Rsa1.0.00538.1	392	77149	1.00E-170	331	339	97 -	9	346	18485	18823
UN70849	Rsa1.0.00321.1	497	95671	2.33E-156	402	443	90 +	1	433	26907	27341
UN70850	Rsa1.0.00005.1	196	353093	4.00E-49	151	168	89 +	4	166	50701	50864
UN70851	Rsa1.0.02036.1	148	35731	2.00E-59	137	144	95 +	1	144	9738	9881
UN70852	Rsa1.0.00472.1	470	398134	1.00E-147	314	328	95 +	1	327	306530	306856
UN70853	Rsa1.0.00019.1	197	301669	2.00E-88	189	197	95 -	1	197	274031	274227
UN70854	Rsa1.0.03083.1	756	25520	0	716	752	95 +	1	748	4221	4972
UN70855	Rsa1.0.00065.1	689	454616	0	446	471	94 +	13	480	26243	26712
UN70856	Rsa1.0.04827.1	336	15815	1.00E-157	326	339	96 -	1	336	4273	4611
UN70857	Rsa1.0.03618.1	162	21744	2.00E-66	152	160	95 +	3	162	6191	6350
UN70858	Rsa1.0.00951.1	806	164588	1.00E-118	271	286	94 +	2	283	48357	48641
UN70859	Rsa1.0.00350.1	312	92346	1.00E-150	304	315	96 -	1	312	28751	29065
UN70860	Rsa1.0.01110.1	551	195852	0	531	552	96 +	1	550	16702	17246
UN70861	Rsa1.0.14100.1	731	3809	0	363	374	97 +	358	731	1137	1510

UN70862	Rsa1.0_01012.1	190	56836	2.00E-69	154	161	95 +	30	190	51001	51161
UN70863	Rsa1.0_00199.1	660	249604	1.00E-119	269	283	95 -	2	284	62277	62554
UN70864	Rsa1.0_01695.1	395	40848	0	393	395	99 +	1	395	26870	27264
UN70865	Rsa1.0_01075.1	215	156953	5.00E-49	114	119	95 -	87	205	23635	23753
UN70866	Rsa1.0_00825.1	742	62855	0	722	771	93 -	1	742	35381	36147
UN70867	Rsa1.0_03178.1	155	24798	5.00E-51	135	146	92 +	10	155	9549	9694
UN70868	Rsa1.0_02258.1	319	33307	1.00E-144	303	315	96 +	1	315	30348	30660
UN70869	Rsa1.0_09173.1	257	6582	3.00E-97	236	252	93 -	1	251	3345	3595
UN70870	Rsa1.0_01245.1	832	149868	1.00E-145	277	282	98 -	2	283	40251	40528
UN70871	Rsa1.0_00123.1	718	325650	1.00E-89	180	184	97 -	444	627	181824	182007
UN70872	Rsa1.0_00323.1	903	159650	0	407	407	100 +	2	408	11015	11421
UN70873	Rsa1.0_00131.1	746	432233	5.00E-98	304	335	90 -	1	330	412408	412731
UN70874	Rsa1.0_00006.1	466	396176	1.00E-136	252	254	99 -	213	466	198900	199153
UN70875	Rsa1.0_00001.1	835	363028	0	806	848	95 -	1	835	144869	145716
UN70876	Rsa1.0_01186.1	836	51418	0	513	529	96 +	310	836	10845	11373
UN70877	Rsa1.0_01126.1	189	53127	2.00E-35	113	124	91 -	3	125	7935	8058
UN70878	#	#	#	#	#	#	#	#	#	#	#
UN70879	Rsa1.0_05589.1	658	13244	0	627	662	94 +	1	658	2420	3080
UN70880	Rsa1.0_03744.1	123	21053	2.00E-47	102	104	98 +	1	104	8772	8875
UN70881	Rsa1.0_02474.1	781	31076	1.00E-166	346	358	96 -	23	379	29475	29827
UN70882	Rsa1.0_08359.1	627	7483	0	480	495	96 -	7	501	3236	3727
UN70883	Rsa1.0_01027.1	469	56402	1.00E-148	316	331	95 +	1	326	20156	20486
UN70884	Rsa1.0_01078.1	563	316910	0	550	563	97 +	1	563	273742	274304
UN70885	Rsa1.0_15363.1	505	2655	1.00E-109	231	241	95 -	256	496	1692	1932
UN70886	Rsa1.0_02648.1	745	29073	5.00E-89	219	235	93 -	36	267	7184	7415
UN70887	Rsa1.0_01115.1	442	183545	1.00E-125	391	445	87 +	5	442	136439	136861
UN70888	Rsa1.0_05418.1	196	13816	8.00E-23	78	85	91 +	5	86	2849	2933
UN70889	Rsa1.0_00399.1	713	242951	1.00E-139	267	271	98 +	257	526	213601	213871
UN70890	Rsa1.0_00388.1	142	88890	2.00E-53	133	142	93 +	1	142	43327	43468
UN70891	Rsa1.0_00230.1	783	105389	1.00E-174	309	309	100 -	21	329	5859	6167
UN70892	Rsa1.0_00569.1	823	75060	0	581	596	97 -	1	595	65107	65702
UN70893	Rsa1.0_00013.1	282	292129	5.00E-34	94	100	94 -	186	282	203324	203423
UN70894	Rsa1.0_00087.1	786	761073	0	777	785	98 -	2	786	87369	88152
UN70895	Rsa1.0_00567.1	668	75260	7.00E-97	273	305	89 +	32	319	66994	67292
UN70896	Rsa1.0_00427.1	551	189678	1.00E-177	378	396	95 +	6	401	182558	182948
UN70897	Rsa1.0_00599.1	711	73418	0	695	713	97 -	1	711	54972	55684
UN70898	Rsa1.0_00092.1	783	659932	1.00E-159	338	357	94 -	3	358	238480	238824
UN70899	Rsa1.0_05215.1	737	14476	1.00E-100	188	189	99 +	376	564	9340	9528
UN70900	Rsa1.0_01808.1	196	39007	1.00E-103	193	194	99 -	2	195	37651	37844

UN70901	Rsa1.0.00035.1	770	176449	0	388	405	95 -	3	407	96531	96932
UN70902	Rsa1.0.01743.1	261	39926	1.00E-83	193	203	95 -	3	201	15993	16195
UN70903	Rsa1.0.02286.1	582	32993	0	556	583	95 +	4	582	24151	24730
UN70904	Rsa1.0.00578.1	195	74581	5.00E-67	174	187	93 -	5	191	57542	57724
UN70905	Rsa1.0.00568.1	452	75219	3.00E-89	167	167	100 +	170	336	16220	16386
UN70906	Rsa1.0.03342.1	525	23600	0	492	540	91 -	3	523	18609	19127
UN70907	Rsa1.0.02352.1	523	32301	0	517	520	99 +	3	521	7957	8476
UN70908	Rsa1.0.02597.1	593	29694	0	581	601	96 -	1	593	13612	14209
UN70909	Rsa1.0.00130.1	770	125737	1.00E-140	341	366	93 -	2	360	13295	13656
UN70910	Rsa1.0.00344.1	828	191774	0	457	483	94 -	6	485	108987	109465
UN70911	Rsa1.0.11704.1	494	5437	0	463	492	94 +	1	484	3368	3848
UN70912	Rsa1.0.00506.1	372	79106	8.00E-86	183	189	96 -	46	234	10903	11090
UN70913	Rsa1.0.21931.1	695	1162	0	532	550	96 +	146	695	4	553
UN70914	Rsa1.0.00339.1	739	222974	1.00E-141	483	559	86 +	181	739	28076	28634
UN70915	Rsa1.0.00139.1	744	357786	0	414	427	96 -	2	428	347514	347939
UN70916	Rsa1.0.15127.1	132	2809	3.00E-43	119	128	92 +	5	132	1501	1626
UN70917	#	#	#	#	#	#	#	#	#	#	#
UN70918	Rsa1.0.10095.1	467	6000	1.00E-108	207	210	98 +	2	211	5601	5810
UN70919	Rsa1.0.02991.1	606	26178	5.00E-73	147	148	99 +	283	429	4144	4291
UN70920	Rsa1.0.03778.1	551	20908	0	368	368	100 +	3	370	17573	17940
UN70921	Rsa1.0.00008.1	748	358124	0	726	753	96 +	1	748	217079	217830
UN70922	Rsa1.0.00686.1	426	68511	2.00E-22	116	131	88 -	45	172	10173	10302
UN70923	Rsa1.0.00070.1	339	150321	8.00E-86	188	197	95 -	143	339	116167	116363
UN70924	Rsa1.0.00088.1	635	141341	0	541	588	92 -	63	635	64521	65102
UN70925	Rsa1.0.01958.1	434	261128	6.00E-78	257	291	88 -	8	293	110198	110475
UN70926	Rsa1.0.01563.1	461	170823	1.00E-102	222	233	95 -	181	409	19273	19505
UN70927	Rsa1.0.01148.1	225	52375	2.00E-82	207	223	92 -	3	225	33685	33906
UN70928	Rsa1.0.01610.1	558	42274	1.00E-125	245	251	97 +	1	246	11408	11658
UN70929	Rsa1.0.03399.1	485	23204	0	461	487	94 -	1	485	7512	7995
UN70930	Rsa1.0.00016.1	507	831256	0	410	430	95 -	78	507	392912	393341
UN70931	Rsa1.0.01924.1	652	37226	4.00E-92	181	184	98 -	408	591	17001	17184
UN70932	Rsa1.0.19680.1	695	1397	3.00E-96	194	199	97 -	2	200	913	1111
UN70933	Rsa1.0.00246.1	749	103541	1.00E-154	340	359	94 +	16	371	32634	32991
UN70934	Rsa1.0.09996.1	217	6045	2.00E-91	204	213	95 -	1	213	965	1174
UN70935	Rsa1.0.07090.1	622	9907	1.00E-174	355	369	96 +	217	584	509	871
UN70936	Rsa1.0.01645.1	676	41748	1.00E-105	242	258	93 -	7	264	18211	18468
UN70937	Rsa1.0.01876.1	301	37800	6.00E-46	106	110	96 -	27	136	11381	11490
UN70938	Rsa1.0.00155.1	788	118465	0	773	795	97 +	3	788	29479	30271
UN70939	Rsa1.0.00100.1	260	249232	2.00E-58	133	139	95 +	3	141	174102	174240

UN70940	Rsa1.0.21524.1	552	1195	1.00E-135	286	300	95 +	2	301	857	1156
UN70941	Rsa1.0.04714.1	678	146738	0	366	368	99 +	1	367	991	1358
UN70942	Rsa1.0.00374.1	721	165738	0	480	499	96 -	38	536	95095	95586
UN70943	Rsa1.0.00775.1	645	64793	0	337	337	100 +	309	645	9497	9833
UN70944	Rsa1.0.00110.1	357	132719	1.00E-136	290	303	95 +	1	296	91321	91621
UN70945	Rsa1.0.27069.1	645	867	0	390	408	95 -	1	403	5	404
UN70946	Rsa1.0.04789.1	267	15981	1.00E-107	257	280	91 -	1	267	14845	15124
UN70947	Rsa1.0.00087.1	770	761073	0	458	462	99 +	1	458	98789	99250
UN70948	Rsa1.0.00810.1	712	63289	0	462	503	91 -	1	503	26102	26571
UN70949	Rsa1.0.03639.1	369	21629	1.00E-138	249	249	100 +	1	249	2040	2288
UN70950	Rsa1.0.14216.1	440	3655	7.00E-16	44	44	100 +	3	46	514	557
UN70951	Rsa1.0.00593.1	170	143463	5.00E-42	114	123	92 +	48	170	57111	57233
UN70952	Rsa1.0.05189.1	561	14545	1.00E-162	388	419	92 +	1	413	3110	3515
UN70953	Rsa1.0.03639.1	746	21629	1.00E-130	261	268	97 +	476	742	2692	2959
UN70954	Rsa1.0.02931.1	174	26654	2.00E-32	149	172	86 -	5	174	6255	6422
UN70955	Rsa1.0.00088.1	594	141341	1.00E-100	191	193	98 -	370	562	105308	105500
UN70956	Rsa1.0.04855.1	400	15708	0	391	398	98 +	3	400	9772	10169
UN70957	Rsa1.0.01232.1	676	155185	4.00E-46	104	107	97 +	206	312	130409	130515
UN70958	Rsa1.0.03639.1	631	21629	6.00E-91	173	174	99 -	90	263	4742	4915
UN70959	#	#	#	#	#	#	#	#	#	#	#
UN70960	Rsa1.0.00593.1	726	143463	1.00E-113	246	259	94 -	8	266	58122	58380
UN70961	Rsa1.0.02803.1	503	27715	1.00E-148	287	294	97 -	210	503	3180	3473
UN70962	Rsa1.0.00017.1	750	752458	1.00E-125	237	240	98 +	163	402	350937	351176
UN70963	Rsa1.0.03270.1	675	24193	0	634	709	89 -	3	668	2033	2741
UN70964	Rsa1.0.00245.1	781	103569	1.00E-144	294	303	97 +	473	773	58094	58396
UN70965	Rsa1.0.03921.1	275	20080	3.00E-75	177	188	94 +	3	190	4871	5054
UN70966	Rsa1.0.00028.1	786	293984	1.00E-83	243	270	90 +	1	257	51969	52235
UN70967	Rsa1.0.14509.1	699	3318	1.00E-156	294	299	98 +	178	476	1769	2067
UN70968	Rsa1.0.04450.1	585	17297	1.00E-143	261	262	99 +	226	487	12862	13123
UN70969	Rsa1.0.01642.1	621	41772	1.00E-143	391	431	90 +	195	621	36732	37160
UN70970	Rsa1.0.00608.1	788	172672	0	530	558	94 -	230	787	166818	167375
UN70971	Rsa1.0.00453.1	633	83031	0	608	661	91 -	1	633	80797	81454
UN70972	Rsa1.0.00055.1	698	520193	0	684	702	97 +	2	698	323468	324169
UN70973	Rsa1.0.00002.1	847	601661	0	597	616	96 +	4	619	575417	576032
UN70974	Rsa1.0.00027.1	673	283362	1.00E-118	254	269	94 -	5	273	161935	162191
UN70975	Rsa1.0.03503.1	666	22445	0	522	535	97 +	132	666	18564	19097
UN70976	Rsa1.0.00974.1	596	57893	6.00E-91	170	170	100 -	126	295	53552	53721
UN70977	Rsa1.0.03224.1	630	24501	0	616	630	97 -	3	630	4233	4862
UN70978	Rsa1.0.01611.1	790	42269	1.00E-106	261	280	93 -	91	368	17493	17772

UN70979	Rsa1.0.01380.1	759	155003	0	421	443	95 +	98	540	45277	45710
UN70980	Rsa1.0.07339.1	812	9534	1.00E-116	296	314	94 -	510	808	6477	6790
UN70981	Rsa1.0.02874.1	575	27070	1.00E-108	229	239	95 -	246	484	462	700
UN70982	Rsa1.0.01390.1	676	46695	0	664	675	98 +	2	676	13970	14635
UN70983	Rsa1.0.00990.1	634	57445	0	528	545	96 -	67	607	42846	43389
UN70984	Rsa1.0.05209.1	772	14495	0	576	618	93 +	40	651	9608	10224
UN70985	Rsa1.0.02878.1	541	27048	0	436	446	97 +	2	447	18011	18456
UN70986	Rsa1.0.00037.1	783	307838	0	732	751	97 -	2	745	17395	18145
UN70987	Rsa1.0.01867.1	771	37960	1.00E-175	383	399	95 -	305	697	19665	20063
UN70988	Rsa1.0.04213.1	664	18437	1.00E-79	236	265	89 +	412	660	17794	18057
UN70989	Rsa1.0.02206.1	529	33922	0	526	528	99 -	2	529	23693	24220
UN70990	Rsa1.0.04827.1	701	15815	0	496	504	98 +	202	701	3893	4396
UN70991	Rsa1.0.00915.1	810	194446	2.00E-76	188	198	94 +	297	493	33274	33469
UN70992	Rsa1.0.01269.1	607	49622	1.00E-107	210	214	98 +	394	607	25889	26102
UN70993	Rsa1.0.01634.1	756	41865	4.00E-86	183	190	96 -	442	631	27428	27617
UN70994	Rsa1.0.01233.1	529	50184	0	510	536	95 -	3	529	23875	24407
UN70995	Rsa1.0.03081.1	795	25523	0	759	811	93 +	3	795	22312	23109
UN70996	Rsa1.0.00211.1	648	228189	1.00E-132	282	295	95 -	354	648	129555	129847
UN70997	Rsa1.0.00350.1	606	92346	0	594	596	99 +	3	598	25600	26195
UN70998	Rsa1.0.00079.1	749	606987	1.00E-145	273	277	98 -	20	296	41615	41891
UN70999	Rsa1.0.00026.1	554	327835	0	354	365	96 +	188	552	1485	1849
UN71000	Rsa1.0.46427.1	543	486	1.00E-162	404	433	93 +	24	447	1	430
UN71001	Rsa1.0.10326.1	478	5887	1.00E-151	321	335	95 +	141	475	75	407
UN71002	Rsa1.0.02984.1	686	26263	0	615	670	91 -	41	686	23915	24575
UN71003	Rsa1.0.01110.1	787	195852	0	335	335	100 -	453	787	17955	18289
UN71004	Rsa1.0.00171.1	767	115622	6.00E-73	149	152	98 -	497	648	92525	92676
UN71005	Rsa1.0.00323.1	538	159650	0	517	537	96 -	3	538	102661	103197
UN71006	Rsa1.0.00173.1	713	288743	2.00E-91	189	195	96 -	213	407	284548	284742
UN71007	Rsa1.0.00864.1	723	61702	1.00E-104	208	213	97 -	61	273	9748	9960
UN71008	Rsa1.0.00332.1	672	94575	9.00E-78	148	148	100 +	262	409	58943	59090
UN71009	Rsa1.0.00002.1	584	601661	9.00E-50	131	141	92 +	441	581	181390	181530
UN71010	Rsa1.0.01777.1	136	39511	9.00E-65	131	133	98 -	1	133	19530	19662
UN71011	Rsa1.0.03059.1	625	25711	1.00E-107	197	197	100 -	40	236	10483	10679
UN71012	Rsa1.0.01828.1	588	38681	0	573	588	97 -	3	588	15740	16327
UN71013	Rsa1.0.04073.1	754	19238	7.00E-82	194	207	93 -	17	223	13359	13565
UN71014	Rsa1.0.00331.1	770	176754	0	436	458	95 -	3	457	23174	23631
UN71015	Rsa1.0.02365.1	652	32118	0	578	637	90 -	3	637	30279	30883
UN71016	Rsa1.0.06535.1	672	10827	0	650	674	96 +	1	670	3140	3813
UN71017	Rsa1.0.05462.1	695	13671	0	676	696	97 +	2	695	8373	9065

UN71018	Rsa1.0.00017.1	654	752458	1.00E-42	119	129	92 -	190	318	156688	156816
UN71019	Rsa1.0.00825.1	752	62855	0	466	483	96 +	3	485	33556	34029
UN71020	Rsa1.0.00123.1	709	325650	3.00E-71	379	463	81 -	152	590	220399	220840
UN71021	Rsa1.0.00593.1	547	143463	1.00E-104	214	221	96 +	194	414	55065	55285
UN71022	Rsa1.0.00018.1	484	410899	0	468	486	96 -	1	484	99142	99617
UN71023	Rsa1.0.01573.1	700	42964	1.00E-126	320	346	92 -	69	409	4044	4386
UN71024	Rsa1.0.00378.1	105	89892	1.00E-32	100	106	94 +	2	105	62141	62244
UN71025	Rsa1.0.05134.1	347	143181	1.00E-93	258	283	91 +	1	274	6140	6420
UN71026	Rsa1.0.00123.1	425	325650	2.00E-80	161	164	98 -	213	376	65405	65568
UN71027	Rsa1.0.00589.1	362	209965	1.00E-158	342	360	95 +	3	362	154857	155212
UN71028	Rsa1.0.00121.1	406	278029	0	394	407	96 +	1	406	55673	56079
UN71029	Rsa1.0.00884.1	340	61150	1.00E-10	38	39	97 -	40	78	39183	39221
UN71030	Rsa1.0.08314.1	614	7559	1.00E-172	344	355	96 +	70	424	3896	4249
UN71031	Rsa1.0.08597.1	437	7144	0	434	437	99 -	1	437	3026	3462
UN71032	Rsa1.0.00343.1	722	93570	0	421	422	99 +	2	423	88629	89050
UN71033	Rsa1.0.05235.1	243	14421	2.00E-97	225	240	93 +	1	240	10673	10912
UN71034	Rsa1.0.00106.1	687	133916	1.00E-138	287	296	96 -	3	298	7524	7814
UN71035	Rsa1.0.00014.1	824	348985	0	727	809	89 +	11	803	169254	170016
UN71036	Rsa1.0.00489.1	470	80434	1.00E-109	234	244	95 -	1	243	48244	48487
UN71037	Rsa1.0.02435.1	749	31454	0	701	748	93 -	2	749	27855	28602
UN71038	Rsa1.0.06581.1	709	10722	1.00E-103	202	206	98 +	485	690	8954	9159
UN71039	Rsa1.0.00253.1	705	231292	1.00E-61	121	121	100 -	162	282	86232	86352
UN71040	Rsa1.0.01667.1	749	41315	0	358	360	99 +	1	360	35141	35499
UN71041	Rsa1.0.04337.1	348	17845	1.00E-81	202	218	92 -	12	229	10847	11064
UN71042	Rsa1.0.01978.1	725	36546	0	699	727	96 +	3	725	8458	9177
UN71043	Rsa1.0.00836.1	675	185968	0	385	396	97 -	280	675	161938	162333
UN71044	Rsa1.0.02366.1	480	32110	1.00E-161	303	307	98 -	2	306	18011	18317
UN71045	Rsa1.0.00039.1	539	296927	0	520	539	96 +	1	539	11849	12387
UN71046	Rsa1.0.00394.1	380	148426	0	368	380	96 -	1	380	113941	114320
UN71047	Rsa1.0.12119.1	594	5311	1.00E-112	235	245	95 +	1	245	4612	4856
UN71048	Rsa1.0.12119.1	143	5311	2.00E-47	126	136	92 +	1	136	4621	4756
UN71049	Rsa1.0.00224.1	715	327530	8.00E-63	184	203	90 +	42	243	222206	222408
UN71050	Rsa1.0.00134.1	145	390219	5.00E-57	127	132	96 +	8	139	21800	21931
UN71051	Rsa1.0.01011.1	704	56883	0	702	704	99 -	1	704	13100	13803
UN71052	Rsa1.0.15719.1	721	2463	0	597	619	96 -	5	622	1	619
UN71053	Rsa1.0.01860.1	777	38057	0	463	490	94 +	20	506	25842	26331
UN71054	Rsa1.0.00132.1	776	124299	1.00E-154	333	348	95 +	1	340	111194	111540
UN71055	Rsa1.0.01286.1	462	49209	1.00E-127	262	272	96 -	194	462	23528	23799
UN71056	Rsa1.0.00152.1	174	257730	3.00E-37	148	169	87 +	6	170	41540	41708

UN71057	Rsa1.0.03703.1	530	21282	0	506	523	96 +	15	530	8115	8636
UN71058	Rsa1.0.00502.1	265	204180	1.00E-83	230	248	92 +	16	261	61012	61250
UN71059	Rsa1.0.01000.1	501	57140	1.00E-94	222	235	94 +	2	234	37938	38171
UN71060	Rsa1.0.16163.1	389	2261	4.00E-60	130	134	97 +	250	383	178	311
UN71061	Rsa1.0.00261.1	137	151157	4.00E-48	123	131	93 -	8	135	117252	117382
UN71062	Rsa1.0.00529.1	532	77487	1.00E-162	322	333	96 -	1	327	75987	76319
UN71063	Rsa1.0.01450.1	783	144251	9.00E-32	132	149	88 -	61	205	37119	37266
UN71064	Rsa1.0.00223.1	839	106231	0	715	756	94 +	86	831	41627	42369
UN71065	Rsa1.0.04813.1	298	15883	1.00E-140	285	296	96 -	3	298	1600	1895
UN71066	Rsa1.0.00169.1	460	274298	0	448	460	97 -	2	460	95029	95487
UN71067	Rsa1.0.01220.1	217	161775	2.00E-60	124	126	98 +	57	182	150619	150744
UN71068	Rsa1.0.01637.1	747	41862	0	397	399	99 -	1	399	31463	31861
UN71069	Rsa1.0.00484.1	674	203294	1.00E-101	205	211	97 -	1	211	123381	123591
UN71070	Rsa1.0.01359.1	181	47271	7.00E-20	80	90	88 +	1	90	32341	32430
UN71071	Rsa1.0.00832.1	210	62622	1.00E-98	203	210	96 +	1	210	22110	22319
UN71072	Rsa1.0.00645.1	280	189716	7.00E-58	184	206	89 +	17	221	38175	38380
UN71073	Rsa1.0.02043.1	186	163754	3.00E-68	172	182	94 +	1	180	143820	143999
UN71074	Rsa1.0.00895.1	596	60615	1.00E-145	295	304	97 -	2	305	16603	16903
UN71075	Rsa1.0.01344.1	674	142535	1.00E-144	325	346	93 -	1	339	17745	18090
UN71076	Rsa1.0.00113.1	679	131574	2.00E-97	217	229	94 -	451	679	8176	8404
UN71077	Rsa1.0.00111.1	821	390088	0	458	474	96 +	4	472	197738	198208
UN71078	Rsa1.0.00040.1	471	324196	0	440	471	93 -	8	471	246684	247153
UN71079	Rsa1.0.03921.1	677	20080	3.00E-56	112	112	100 -	464	575	5634	5745
UN71080	Rsa1.0.02991.1	168	26178	6.00E-51	126	134	94 +	35	168	20796	20924
UN71081	Rsa1.0.00277.1	638	100132	4.00E-49	124	132	93 -	110	241	10169	10300
UN71082	Rsa1.0.00378.1	352	89892	0	345	352	98 +	1	352	36850	37201
UN71083	Rsa1.0.00128.1	790	228675	0	374	377	99 -	4	380	170963	171339
UN71084	Rsa1.0.00018.1	776	410899	0	749	785	95 +	2	776	79109	79890
UN71085	Rsa1.0.00374.1	696	165738	0	491	500	98 +	2	501	100971	101470
UN71086	Rsa1.0.08437.1	755	7357	0	631	658	95 -	3	654	2928	3582
UN71087	Rsa1.0.00807.1	758	63607	2.00E-91	190	195	97 -	565	758	12796	12990
UN71088	Rsa1.0.00342.1	657	93695	0	621	663	93 +	3	657	37876	38523
UN71089	Rsa1.0.00969.1	318	58014	3.00E-88	177	181	97 -	138	318	22760	22940
UN71090	Rsa1.0.20338.1	611	1316	0	595	604	98 -	8	611	307	909
UN71091	Rsa1.0.00096.1	637	198773	0	430	448	95 -	199	637	108347	108794
UN71092	Rsa1.0.02196.1	437	34005	1.00E-156	331	346	95 +	2	345	9596	9934
UN71093	Rsa1.0.17720.1	748	1757	1.00E-100	224	236	94 +	165	397	134	369
UN71094	Rsa1.0.00208.1	473	108565	1.00E-119	277	294	94 -	167	458	105981	106274
UN71095	Rsa1.0.00463.1	364	189177	1.00E-167	335	345	97 +	2	345	114661	115004

UN71096	Rsa1.0_01209.1	691	50668	1.00E-105	225	234	96 -	458	691	40611	40843
UN71097	Rsa1.0_01050.1	591	55651	0	558	595	93 -	3	591	12300	12887
UN71098	Rsa1.0_01449.1	717	45570	0	691	711	97 -	1	711	44761	45470
UN71099	Rsa1.0_03972.1	482	19787	1.00E-179	324	326	99 -	1	326	13644	13969
UN71100	Rsa1.0_00878.1	672	330303	0	526	540	97 -	133	672	137443	137982
UN71101	Rsa1.0_00897.1	698	60498	0	424	452	93 +	234	673	45690	46141
UN71102	Rsa1.0_02372.1	805	32053	0	777	809	96 -	1	805	25148	25938
UN71103	Rsa1.0_03083.1	694	25520	0	408	432	94 -	132	560	8642	9061
UN71104	Rsa1.0_01256.1	669	49770	0	433	461	93 +	231	669	28746	29206
UN71105	Rsa1.0_00645.1	348	189716	1.00E-114	249	261	95 -	28	288	154680	154939
UN71106	Rsa1.0_03981.1	663	19724	1.00E-150	492	564	87 +	26	571	18201	18729
UN71107	Rsa1.0_00989.1	722	57494	0	682	725	94 -	1	722	9409	10112
UN71108	Rsa1.0_00533.1	353	77375	1.00E-103	309	345	89 +	5	341	63745	64082
UN71109	Rsa1.0_01953.1	739	36881	0	733	758	96 +	2	739	26309	27066
UN71110	Rsa1.0_33723.1	679	672	1.00E-112	239	250	95 -	1	250	1	241
UN71111	Rsa1.0_00549.1	761	76473	1.00E-116	354	401	88 +	1	401	57884	58284
UN71112	Rsa1.0_08045.1	295	8014	8.00E-61	144	152	94 -	3	150	7857	8008
UN71113	Rsa1.0_04744.1	592	16154	0	557	594	93 +	3	586	2712	3302
UN71114	Rsa1.0_00040.1	630	324196	1.00E-119	253	266	95 +	365	630	70238	70494
UN71115	Rsa1.0_03401.1	472	23191	0	398	414	96 +	1	413	4660	5070
UN71116	Rsa1.0_00841.1	716	183065	0	651	682	95 +	1	675	158071	158745
UN71117	Rsa1.0_08740.1	786	6980	0	449	471	95 -	9	477	706	1168
UN71118	Rsa1.0_01182.1	783	167304	1.00E-130	277	292	94 +	4	295	11313	11595
UN71119	Rsa1.0_00832.1	616	62622	7.00E-97	210	220	95 -	393	612	22572	22791
UN71120	Rsa1.0_01363.1	146	47195	2.00E-41	117	126	92 -	9	134	24316	24440
UN71121	Rsa1.0_04123.1	586	18947	1.00E-138	277	286	96 -	301	586	15191	15476
UN71122	Rsa1.0_00116.1	558	365886	0	529	558	94 +	3	558	242145	242689
UN71123	Rsa1.0_00693.1	130	161311	1.00E-38	122	136	89 -	1	130	37537	37672
UN71124	Rsa1.0_07250.1	714	9663	1.00E-86	252	279	90 +	76	352	6954	7222
UN71125	Rsa1.0_13077.1	515	5021	0	420	442	95 +	1	429	4549	4989
UN71126	Rsa1.0_02043.1	754	163754	0	449	464	96 -	281	741	143862	144322
UN71127	Rsa1.0_01771.1	546	172709	1.00E-134	273	282	96 -	4	285	5834	6113
UN71128	Rsa1.0_17721.1	676	1757	0	396	414	95 -	1	414	119	520
UN71129	Rsa1.0_02807.1	662	27680	0	493	523	94 +	2	521	4945	5460
UN71130	Rsa1.0_00551.1	722	76227	0	433	453	95 -	1	451	62352	62801
UN71131	Rsa1.0_02007.1	723	36130	0	463	477	97 +	4	478	14911	15387
UN71132	Rsa1.0_49161.1	593	461	1.00E-111	242	253	95 +	25	276	14	262
UN71133	Rsa1.0_02812.1	721	27660	0	398	405	98 -	3	406	16559	16963
UN71134	Rsa1.0_02453.1	483	31271	1.00E-116	243	252	96 +	105	354	14175	14426

UN71135	Rsa1.0.02973.1	583	26348	0	580	582	99 -	2	583	9190	9771
UN71136	Rsa1.0.00546.1	518	76523	4.00E-64	217	245	88 -	7	248	74240	74475
UN71137	Rsa1.0.01106.1	563	53916	0	534	544	98 -	10	553	6907	7450
UN71138	Rsa1.0.00773.1	620	64839	0	596	625	95 -	1	620	33616	34232
UN71139	Rsa1.0.01742.1	175	39962	3.00E-65	147	154	95 +	20	173	2946	3099
UN71140	Rsa1.0.02103.1	693	35006	1.00E-115	263	277	94 -	1	276	24076	24349
UN71141	Rsa1.0.00715.1	726	67116	0	690	730	94 +	1	726	29359	30085
UN71142	Rsa1.0.02902.1	751	26907	0	702	705	99 -	3	707	10317	11020
UN71143	Rsa1.0.00836.1	417	185968	1.00E-129	240	242	99 +	1	242	160877	161118
UN71144	Rsa1.0.01049.1	343	55655	1.00E-123	247	255	96 +	1	255	39587	39841
UN71145	Rsa1.0.03605.1	680	21827	1.00E-112	262	277	94 -	371	644	14489	14765
UN71146	Rsa1.0.00110.1	670	132719	0	414	438	94 +	1	438	129270	129705
UN71147	Rsa1.0.01528.1	665	43882	0	394	407	96 +	35	441	6553	6959
UN71148	Rsa1.0.17354.1	242	1851	9.00E-91	223	241	92 +	2	242	361	601
UN71149	Rsa1.0.04786.1	720	15988	1.00E-131	314	339	92 +	1	325	13458	13796
UN71150	Rsa1.0.01346.1	788	47618	0	729	755	96 +	56	788	18148	18902
UN71151	Rsa1.0.00936.1	795	59078	0	502	511	98 +	1	510	49192	49702
UN71152	Rsa1.0.05382.1	199	13963	2.00E-39	98	103	95 +	52	154	230	332
UN71153	Rsa1.0.01861.1	169	38031	7.00E-69	164	171	95 +	1	168	14076	14245
UN71154	Rsa1.0.07200.1	184	9734	2.00E-66	170	184	92 -	1	184	6531	6714
UN71155	Rsa1.0.03550.1	266	22154	1.00E-53	219	256	85 +	12	266	5205	5442
UN71156	Rsa1.0.10218.1	699	5935	0	691	699	98 -	1	699	3825	4522
UN71157	#	#	#	#	#	#	#	#	#	#	#
UN71158	Rsa1.0.02169.1	466	34367	1.00E-158	288	290	99 +	1	290	3203	3492
UN71159	Rsa1.0.00749.1	759	65933	1.00E-163	352	371	94 +	382	751	49225	49595
UN71160	Rsa1.0.00054.1	386	162053	7.00E-71	168	176	95 +	66	241	92658	92831
UN71161	Rsa1.0.00645.1	460	189716	0	448	466	96 +	5	460	163670	164135
UN71162	Rsa1.0.00335.1	727	94371	0	684	716	95 +	12	725	38889	39600
UN71163	Rsa1.0.02820.1	285	27629	1.00E-120	262	273	95 +	15	285	19605	19875
UN71164	Rsa1.0.00059.1	820	159650	0	509	531	95 +	6	529	88644	89170
UN71165	Rsa1.0.03499.1	509	22462	0	480	518	92 +	1	506	8399	8905
UN71166	Rsa1.0.00434.1	402	85171	0	397	402	98 -	2	399	48641	49042
UN71167	Rsa1.0.00058.1	248	159921	3.00E-72	192	206	93 -	43	243	17341	17543
UN71168	Rsa1.0.00016.1	651	831256	0	506	558	90 -	119	651	205683	206231
UN71169	Rsa1.0.00763.1	682	65121	1.00E-109	213	217	98 -	216	432	60940	61156
UN71170	Rsa1.0.05015.1	607	15125	1.00E-138	277	285	97 +	1	285	10498	10781
UN71171	Rsa1.0.00108.1	722	478491	1.00E-92	188	193	97 +	78	270	282917	283109
UN71172	Rsa1.0.00107.1	599	431659	0	570	602	94 -	1	599	88602	89203
UN71173	Rsa1.0.00018.1	691	410899	0	629	704	89 +	2	691	98312	98989

UN71174	Rsa1.0.00087.1	529	761073	1.00E-119	245	253	96 -	34	285	28872	29124
UN71175	Rsa1.0.00040.1	318	324196	1.00E-157	315	323	97 -	1	318	57463	57785
UN71176	Rsa1.0.01147.1	559	52391	0	385	397	96 +	163	559	1067	1463
UN71177	Rsa1.0.00222.1	424	172263	2.00E-84	178	184	96 -	5	188	42607	42786
UN71178	Rsa1.0.01339.1	754	47813	3.00E-65	148	155	95 +	191	345	28483	28637
UN71179	Rsa1.0.00120.1	746	277288	2.00E-60	168	183	91 -	184	366	234292	234473
UN71180	Rsa1.0.00003.1	724	340054	1.00E-163	315	322	97 +	405	724	4541	4862
UN71181	Rsa1.0.00121.1	619	278029	0	557	600	92 -	3	579	57548	58140
UN71182	Rsa1.0.00018.1	619	410899	3.00E-22	88	99	88 +	435	533	222647	222745
UN71183	Rsa1.0.14203.1	679	3670	1.00E-137	261	264	98 +	417	679	2068	2331
UN71184	Rsa1.0.11229.1	701	5576	0	581	601	96 +	103	701	4418	5018
UN71185	Rsa1.0.08597.1	777	7144	1.00E-131	263	270	97 +	181	449	771	1040
UN71186	Rsa1.0.05575.1	531	13288	1.00E-116	255	268	95 -	264	531	6159	6425
UN71187	Rsa1.0.04985.1	687	15232	0	658	691	95 -	2	687	5485	6167
UN71188	Rsa1.0.01449.1	296	45570	1.00E-106	215	219	98 +	79	295	44595	44813
UN71189	Rsa1.0.10251.1	535	5921	0	520	533	97 +	3	535	1204	1736
UN71190	Rsa1.0.04352.1	643	17779	0	524	556	94 +	94	643	12118	12665
UN71191	Rsa1.0.00773.1	392	64839	2.00E-68	157	163	96 -	4	163	59075	59237
UN71192	Rsa1.0.00645.1	510	189716	4.00E-67	167	178	93 +	2	178	153132	153309
UN71193	Rsa1.0.00246.1	785	103541	1.00E-173	387	404	95 +	388	784	29514	29917
UN71194	Rsa1.0.00123.1	540	325650	0	516	539	95 +	2	540	270378	270910
UN71195	Rsa1.0.07182.1	564	9777	1.00E-129	275	288	95 -	45	332	5784	6068
UN71196	Rsa1.0.01363.1	506	47195	1.00E-130	259	267	97 +	1	267	23120	23380
UN71197	Rsa1.0.01048.1	161	55684	2.00E-53	150	163	92 +	3	161	42157	42313
UN71198	#	#	#	#	#	#	#	#	#	#	#
UN71199	Rsa1.0.14034.1	218	3890	2.00E-32	86	91	94 -	1	91	133	223
UN71200	Rsa1.0.00010.1	703	294827	1.00E-101	203	208	97 +	249	456	237971	238178
UN71201	Rsa1.0.00116.1	678	365886	3.00E-99	280	309	90 -	3	306	244253	244550
UN71202	Rsa1.0.02128.1	129	34758	8.00E-65	128	129	99 +	1	129	22114	22242
UN71203	Rsa1.0.02103.1	667	35006	2.00E-94	199	204	97 -	465	667	30680	30882
UN71204	Rsa1.0.00773.1	734	64839	0	434	452	96 +	2	452	32752	33199
UN71205	Rsa1.0.42651.1	523	526	1.00E-76	200	218	91 -	43	254	297	510
UN71206	Rsa1.0.04945.1	698	15370	0	566	642	88 -	63	687	4331	4962
UN71207	Rsa1.0.00728.1	779	66704	1.00E-132	310	333	93 -	5	334	16740	17072
UN71208	Rsa1.0.00925.1	168	59481	9.00E-50	127	136	93 +	33	168	7919	8054
UN71209	Rsa1.0.00891.1	676	60724	1.00E-154	300	308	97 +	69	376	27001	27308
UN71210	Rsa1.0.09238.1	108	6539	7.00E-28	106	119	89 -	1	108	616	734
UN71211	Rsa1.0.00128.1	577	228675	0	427	444	96 +	2	445	65403	65846
UN71212	Rsa1.0.00038.1	789	314568	1.00E-156	339	358	94 -	3	353	238902	239259

UN71213	Rsa1.0.00104.1	274	368722	1.00E-65	152	159	95 -	119	274	39241	39396
UN71214	Rsa1.0.00453.1	678	83031	6.00E-82	170	175	97 +	277	451	72257	72431
UN71215	Rsa1.0.00123.1	670	325650	0	540	561	96 -	106	666	294043	294600
UN71216	Rsa1.0.00181.1	725	114269	0	669	716	93 +	3	707	42235	42937
UN71217	Rsa1.0.00425.1	644	147080	1.00E-169	347	362	95 +	283	644	95758	96119
UN71218	Rsa1.0.00135.1	724	178077	0	703	723	97 +	3	724	32069	32791
UN71219	Rsa1.0.04519.1	657	17004	0	415	427	97 +	233	657	4568	4994
UN71220	Rsa1.0.00083.1	209	442773	2.00E-32	78	79	98 -	3	81	404955	405032
UN71221	Rsa1.0.00252.1	634	102760	0	555	569	97 +	1	568	51071	51639
UN71222	Rsa1.0.02518.1	700	30586	0	381	397	95 -	260	656	28413	28806
UN71223	Rsa1.0.00888.1	181	60978	5.00E-39	109	118	92 +	1	118	22615	22732
UN71224	Rsa1.0.05041.1	764	15053	0	599	611	98 +	1	610	11567	12176
UN71225	Rsa1.0.00066.1	458	152418	1.00E-105	200	202	99 +	122	323	91810	92011
UN71226	Rsa1.0.00201.1	744	232851	0	363	363	100 -	382	744	124473	124835
UN71227	Rsa1.0.00102.1	766	135497	1.00E-173	434	467	92 +	1	465	42086	42536
UN71228	Rsa1.0.18517.1	630	1584	2.00E-78	155	157	98 +	474	630	180	336
UN71229	Rsa1.0.00376.1	558	90101	1.00E-106	201	203	99 +	2	204	47282	47484
UN71230	Rsa1.0.05642.1	171	13074	9.00E-50	121	128	94 -	16	143	11688	11815
UN71231	Rsa1.0.03362.1	606	23453	1.00E-79	196	210	93 +	1	210	13729	13931
UN71232	Rsa1.0.35057.1	379	645	1.00E-131	342	378	90 +	1	378	281	645
UN71233	Rsa1.0.34677.1	645	653	1.00E-138	277	286	96 +	336	621	368	653
UN71234	Rsa1.0.03477.1	716	22635	1.00E-105	299	333	89 -	27	350	5497	5826
UN71235	Rsa1.0.00033.1	722	515811	1.00E-73	173	181	95 +	512	691	42902	43081
UN71236	Rsa1.0.00495.1	603	79934	1.00E-79	151	151	100 -	76	226	19840	19990
UN71237	Rsa1.0.00344.1	663	191774	0	346	352	98 +	312	663	8915	9266
UN71238	Rsa1.0.00355.1	557	92038	0	506	548	92 +	1	539	77899	78429
UN71239	Rsa1.0.01997.1	685	158416	0	425	455	93 +	10	457	143763	144206
UN71240	Rsa1.0.01985.1	584	36491	1.00E-111	204	204	100 +	3	206	14306	14509
UN71241	Rsa1.0.09074.1	589	6670	2.00E-90	223	238	93 -	357	589	1170	1406
UN71242	Rsa1.0.00649.1	705	70263	0	684	704	97 +	2	705	10560	11263
UN71243	Rsa1.0.00128.1	683	228675	4.00E-52	126	133	94 -	14	146	219511	219643
UN71244	Rsa1.0.01461.1	266	45240	9.00E-85	248	279	88 -	1	265	2887	3165
UN71245	Rsa1.0.00876.1	579	61328	0	516	552	93 -	4	548	43573	44113
UN71246	Rsa1.0.00601.1	651	177045	1.00E-111	281	303	92 +	43	339	26173	26467
UN71247	Rsa1.0.04450.1	806	17297	0	487	516	94 -	291	806	12614	13123
UN71248	Rsa1.0.00016.1	749	831256	0	726	750	96 +	1	749	542888	543633
UN71249	Rsa1.0.73885.1	738	310	2.00E-91	261	287	90 +	1	276	26	310
UN71250	Rsa1.0.01400.1	823	46560	0	391	404	96 -	340	743	9774	10177
UN71251	Rsa1.0.03019.1	262	25987	4.00E-62	150	158	94 +	4	158	17477	17632

UN71291	Rsa1.0_17067.1	147	1936	9.00E-62	138	144	95 +	4	147	105	248
UN71292	Rsa1.0_01543.1	730	43645	1.00E-145	342	370	92 +	2	371	6984	7345
UN71293	Rsa1.0_02365.1	367	32118	2.00E-58	121	123	98 +	94	216	16072	16194
UN71294	Rsa1.0_00112.1	634	132199	1.00E-152	387	428	90 +	156	580	116397	116809
UN71295	Rsa1.0_00493.1	637	80007	1.00E-119	244	253	96 +	189	441	75604	75856
UN71296	Rsa1.0_00285.1	798	149638	1.00E-148	293	302	97 +	3	304	140377	140678
UN71297	Rsa1.0_20495.1	643	1299	1.00E-140	272	277	98 -	359	634	555	831
UN71298	Rsa1.0_00275.1	695	210104	1.00E-180	356	364	97 +	323	684	119177	119539
UN71299	Rsa1.0_00162.1	769	239935	0	699	745	93 +	1	727	38543	39284
UN71300	Rsa1.0_00006.1	587	396176	2.00E-84	198	213	92 -	57	258	370012	370224
UN71301	Rsa1.0_03057.1	695	25724	1.00E-73	156	161	96 -	480	640	139	299
UN71302	Rsa1.0_00876.1	737	61328	1.00E-80	198	213	92 +	1	213	42181	42393
UN71303	Rsa1.0_00100.1	390	249232	0	377	389	96 -	2	390	30654	31037
UN71304	Rsa1.0_03414.1	289	23125	1.00E-127	272	287	94 +	1	287	12735	13012
UN71305	Rsa1.0_04450.1	685	17297	1.00E-149	472	539	87 +	165	685	11963	12477
UN71306	Rsa1.0_04051.1	749	19375	0	442	462	95 -	1	456	8731	9188
UN71307	Rsa1.0_01850.1	785	162224	1.00E-107	210	214	98 +	120	333	30722	30935
UN71308	Rsa1.0_02903.1	716	26901	0	412	419	98 -	20	438	14022	14440
UN71309	Rsa1.0_02670.1	568	28887	6.00E-97	243	264	92 -	5	265	6101	6352
UN71310	Rsa1.0_00006.1	616	396176	1.00E-112	238	248	95 -	3	248	370016	370263
UN71311	Rsa1.0_01682.1	715	41090	0	600	634	94 +	1	634	25446	26079
UN71312	Rsa1.0_00425.1	778	147080	0	647	678	95 +	108	778	95758	96435
UN71313	Rsa1.0_00652.1	571	70089	1.00E-137	312	338	92 +	257	571	47920	48257
UN71314	Rsa1.0_05326.1	390	14139	1.00E-127	239	242	98 -	1	242	3934	4175
UN71315	Rsa1.0_02071.1	373	35409	1.00E-139	293	306	95 -	1	305	7713	8018
UN71316	Rsa1.0_04854.1	325	131560	1.00E-159	319	328	97 -	2	322	178	505
UN71317	Rsa1.0_00272.1	110	447836	2.00E-37	94	99	94 +	8	106	339574	339672
UN71318	Rsa1.0_00596.1	475	73578	1.00E-128	310	327	94 +	4	327	30927	31247
UN71319	Rsa1.0_02683.1	734	28679	0	400	400	100 -	1	400	16865	17264
UN71320	Rsa1.0_03044.1	799	25791	0	479	515	93 -	11	519	6296	6806
UN71321	Rsa1.0_01896.1	581	37512	1.00E-135	297	311	95 +	4	309	35333	35643
UN71322	Rsa1.0_03465.1	725	22700	7.00E-91	210	224	93 -	1	217	11014	11237
UN71323	Rsa1.0_05503.1	608	13510	3.00E-99	203	208	97 +	180	386	3022	3229
UN71324	Rsa1.0_01149.1	708	160459	4.00E-77	223	245	91 +	471	708	43118	43354
UN71325	Rsa1.0_00106.1	472	133916	0	413	428	96 +	11	438	5590	6014
UN71326	Rsa1.0_00014.1	293	348985	2.00E-79	243	268	90 -	31	293	169993	170258
UN71327	Rsa1.0_02493.1	339	30854	1.00E-143	303	317	95 +	2	318	2949	3264
UN71328	Rsa1.0_00310.1	132	96852	6.00E-35	90	94	95 +	1	92	82549	82642
UN71329	Rsa1.0_00215.1	674	201775	0	362	367	98 -	308	674	159005	159370

UN71330	Rsa1.0.01642.1	670	41772	0	646	672	96 -	1	670	14837	15507
UN71331	Rsa1.0.27955.1	770	833	1.00E-105	221	230	96 -	97	326	136	365
UN71332	Rsa1.0.16727.1	786	2052	1.00E-108	245	260	94 +	2	261	744	993
UN71333	Rsa1.0.00496.1	388	79834	0	373	387	96 +	2	383	4669	5052
UN71334	Rsa1.0.01553.1	255	43379	7.00E-61	140	147	95 +	109	255	26451	26597
UN71335	Rsa1.0.01039.1	145	55946	3.00E-24	69	72	95 +	74	145	29899	29968
UN71336	Rsa1.0.16565.1	828	2110	0	571	597	95 +	234	828	444	1040
UN71337	Rsa1.0.00132.1	610	124299	1.00E-140	307	322	95 -	15	334	99696	100014
UN71338	Rsa1.0.00602.1	655	73302	0	379	394	96 -	237	630	29563	29956
UN71339	Rsa1.0.01524.1	794	43949	2.00E-70	212	233	90 -	1	228	9006	9236
UN71340	Rsa1.0.00240.1	105	104175	2.00E-21	55	56	98 -	1	56	69998	70053
UN71341	Rsa1.0.01204.1	717	50843	0	490	516	94 +	186	698	9906	10418
UN71342	Rsa1.0.00059.1	681	159650	1.00E-144	314	335	93 -	1	319	48535	48867
UN71343	Rsa1.0.00417.1	720	395068	7.00E-91	188	194	96 +	314	507	258984	259177
UN71344	Rsa1.0.08072.1	781	7955	0	513	533	96 -	251	777	7423	7955
UN71345	Rsa1.0.00918.1	740	59720	0	727	738	98 -	1	738	58416	59153
UN71346	Rsa1.0.04427.1	647	17399	1.00E-143	312	329	94 -	280	608	16303	16630
UN71347	Rsa1.0.00115.1	529	131321	0	388	406	95 +	13	417	49248	49653
UN71348	Rsa1.0.00552.1	728	206757	0	383	393	97 +	336	728	75228	75620
UN71349	Rsa1.0.00135.1	589	178077	0	351	357	98 -	1	353	97881	98237
UN71350	Rsa1.0.01985.1	649	36491	1.00E-172	331	338	97 -	312	649	15892	16228
UN71351	Rsa1.0.02320.1	666	32575	0	647	665	97 +	2	666	28793	29457
UN71352	Rsa1.0.06936.1	756	10143	0	750	756	99 -	1	756	148	903
UN71353	Rsa1.0.00991.1	734	143101	2.33E-156	323	342	94 -	381	722	133622	133957
UN71354	Rsa1.0.00136.1	139	122464	1.00E-48	131	138	94 +	3	139	68784	68919
UN71355	Rsa1.0.02500.1	666	30768	1.00E-100	200	205	97 -	2	206	10244	10448
UN71356	Rsa1.0.00899.1	732	60404	2.00E-88	243	268	90 -	54	318	51380	51632
UN71357	Rsa1.0.02836.1	782	27481	0	513	535	95 -	169	701	5025	5559
UN71358	Rsa1.0.01148.1	694	52375	0	685	694	98 -	2	694	46657	47347
UN71359	Rsa1.0.00152.1	585	257730	1.00E-100	210	217	96 +	370	585	214460	214676
UN71360	Rsa1.0.05642.1	606	13074	4.00E-67	153	158	96 +	444	599	10830	10987
UN71361	Rsa1.0.00302.1	718	97521	0	703	740	95 -	1	718	38130	38866
UN71362	Rsa1.0.10408.1	251	5858	1.00E-132	247	250	98 -	1	250	652	901
UN71363	Rsa1.0.03103.1	718	25387	0	546	603	90 +	118	718	6514	7112
UN71364	Rsa1.0.01924.1	840	37226	1.00E-180	332	335	99 -	1	333	23355	23689
UN71365	Rsa1.0.21865.1	608	1168	0	596	611	97 -	2	608	512	1122
UN71366	Rsa1.0.01104.1	623	285480	1.00E-121	230	233	98 -	3	235	263481	263713
UN71367	Rsa1.0.00425.1	152	147080	1.00E-42	97	100	97 +	11	110	135471	135570
UN71368	Rsa1.0.01982.1	203	36530	1.00E-43	180	209	86 -	2	203	25168	25376

UN71369	Rsa1.0.00805.1	417	63724	0	415	418	99 +	1	417	7112	7529
UN71370	Rsa1.0.02748.1	556	28242	1.00E-102	212	220	96 +	317	530	10699	10918
UN71371	Rsa1.0.02515.1	528	30616	1.00E-173	346	358	96 +	1	356	8954	9311
UN71372	Rsa1.0.00019.1	152	301669	2.00E-53	139	150	92 +	3	152	293342	293491
UN71373	Rsa1.0.00003.1	129	340054	7.00E-50	118	124	95 +	4	127	136838	136961
UN71374	Rsa1.0.01321.1	188	48248	1.00E-73	172	181	95 +	6	185	34873	35049
UN71375	Rsa1.0.58032.1	507	394	4.00E-79	174	182	95 +	66	247	4	185
UN71376	Rsa1.0.00228.1	425	105511	1.00E-167	361	381	94 +	29	400	13167	13545
UN71377	Rsa1.0.05000.1	246	15178	1.00E-40	88	89	98 -	158	246	1411	1499
UN71378	Rsa1.0.00008.1	803	358124	1.00E-125	243	247	98 +	558	803	309080	309326
UN71379	Rsa1.0.00084.1	822	142338	0	678	696	97 +	2	695	132728	133423
UN71380	Rsa1.0.00509.1	443	78829	0	406	420	96 +	31	443	8768	9187
UN71381	Rsa1.0.00628.1	455	214360	1.00E-160	328	342	95 +	1	342	34417	34758
UN71382	Rsa1.0.00474.1	385	81731	1.00E-131	343	375	91 +	11	385	30358	30711
UN71383	Rsa1.0.01168.1	710	153765	1.00E-127	315	341	92 +	371	710	41780	42102
UN71384	Rsa1.0.00893.1	572	60626	0	559	573	97 -	1	572	31578	32142
UN71385	Rsa1.0.00447.1	717	84051	1.00E-100	216	226	95 -	3	228	26801	27026
UN71386	Rsa1.0.00179.1	567	393324	1.00E-155	331	347	95 -	4	349	336511	336853
UN71387	Rsa1.0.13911.1	454	4104	1.00E-88	217	234	92 +	1	234	2660	2893
UN71388	Rsa1.0.00281.1	535	99908	0	430	457	94 +	1	447	24084	24539
UN71389	Rsa1.0.01824.1	343	38733	1.00E-143	321	341	94 -	3	343	7066	7405
UN71390	Rsa1.0.05748.1	772	12749	0	400	414	96 +	1	413	6540	6951
UN71391	Rsa1.0.02374.1	729	32043	0	600	629	95 -	35	663	24874	25501
UN71392	Rsa1.0.18047.1	724	1682	2.00E-78	149	149	100 +	147	295	1431	1579
UN71393	Rsa1.0.00694.1	595	68074	0	486	509	95 +	89	595	29258	29766
UN71394	Rsa1.0.01148.1	541	52375	0	517	540	95 -	2	541	24720	25250
UN71395	Rsa1.0.00277.1	718	100132	0	698	717	97 +	3	713	9694	10399
UN71396	Rsa1.0.01346.1	335	47618	1.00E-112	219	222	98 -	69	290	20698	20918
UN71397	Rsa1.0.00038.1	732	314568	0	422	445	94 -	83	526	236060	236503
UN71398	Rsa1.0.01900.1	658	37473	0	402	404	99 +	255	658	9085	9487
UN71399	Rsa1.0.03302.1	691	23898	0	663	684	96 -	14	688	6558	7241
UN71400	Rsa1.0.00179.1	737	393324	1.00E-135	309	329	93 +	7	329	62396	62715
UN71401	Rsa1.0.02119.1	756	34833	0	561	591	94 -	13	601	34172	34761
UN71402	Rsa1.0.12425.1	323	5229	1.00E-135	244	244	100 +	80	323	4583	4826
UN71403	Rsa1.0.00020.1	755	283099	0	434	446	97 +	3	448	74046	74491
UN71404	Rsa1.0.01209.1	703	50668	1.00E-140	307	321	95 +	389	702	40043	40362
UN71405	Rsa1.0.00058.1	523	159921	5.00E-20	107	123	86 +	323	443	14619	14741
UN71406	Rsa1.0.02079.1	147	35306	8.00E-16	43	43	100 -	105	147	19122	19164
UN71407	Rsa1.0.00972.1	540	57937	1.00E-100	204	210	97 -	11	220	49375	49584

UN71408	Rsa1.0.03727.1	707	21158	0	668	686	97 -	1	685	11043	11727
UN71409	Rsa1.0.00223.1	668	106231	6.00E-82	179	187	95 +	197	383	68819	69005
UN71410	Rsa1.0.00842.1	417	62493	1.00E-163	294	295	99 +	10	304	30056	30350
UN71411	Rsa1.0.00918.1	681	59720	0	664	681	97 +	1	681	57506	58186
UN71412	Rsa1.0.09709.1	577	6198	0	401	415	96 -	164	577	55	460
UN71413	Rsa1.0.01518.1	612	141402	0	586	606	96 +	7	612	117712	118312
UN71414	Rsa1.0.00017.1	541	752458	2.00E-75	150	152	98 +	324	475	444001	444152
UN71415	Rsa1.0.11985.1	540	5352	1.00E-135	301	320	94 +	107	426	4408	4727
UN71416	Rsa1.0.00350.1	520	92346	1.00E-153	312	325	96 -	178	491	61927	62250
UN71417	Rsa1.0.00110.1	700	132719	0	666	698	95 -	3	700	85878	86575
UN71418	Rsa1.0.00556.1	537	207212	0	439	461	95 +	87	537	43969	44427
UN71419	Rsa1.0.01015.1	477	56752	0	443	465	95 +	16	477	7528	7988
UN71420	Rsa1.0.01464.1	595	45193	3.00E-86	180	185	97 +	3	185	10304	10488
UN71421	Rsa1.0.00551.1	261	76227	5.00E-37	101	107	94 +	57	162	61146	61252
UN71422	Rsa1.0.01310.1	678	164719	4.00E-89	209	226	92 -	3	214	1986	2211
UN71423	Rsa1.0.07250.1	530	9663	1.00E-45	186	218	85 -	123	317	9079	9295
UN71424	Rsa1.0.03081.1	726	25523	0	368	380	96 -	6	385	10985	11357
UN71425	Rsa1.0.00585.1	624	74164	0	428	434	98 -	191	624	61422	61855
UN71426	Rsa1.0.01742.1	215	39962	1.00E-103	207	213	97 -	3	215	2947	3159
UN71427	Rsa1.0.01157.1	600	52121	6.00E-91	248	276	89 -	3	274	43708	43971
UN71428	Rsa1.0.01966.1	707	36681	0	504	508	99 -	2	508	23276	23783
UN71429	Rsa1.0.00009.1	413	232558	1.00E-113	233	241	96 +	3	243	44615	44852
UN71430	Rsa1.0.00020.1	763	283099	0	744	765	97 -	1	761	94863	95627
UN71431	Rsa1.0.00026.1	773	327835	0	717	739	97 +	2	739	2165	2903
UN71432	Rsa1.0.02736.1	109	28329	7.00E-37	104	113	92 -	3	109	18072	18184
UN71433	Rsa1.0.00715.1	788	67116	0	720	782	92 -	15	786	29912	30686
UN71434	Rsa1.0.00287.1	657	98687	1.00E-132	251	255	98 -	147	401	68964	69218
UN71435	Rsa1.0.05769.1	800	12694	1.00E-114	221	225	98 +	3	227	7146	7370
UN71436	Rsa1.0.00017.1	651	752458	3.00E-68	132	132	100 -	304	435	156685	156816
UN71437	Rsa1.0.01310.1	602	164719	1.00E-121	227	229	99 +	374	602	141043	141271
UN71438	Rsa1.0.03448.1	755	22844	1.00E-131	271	280	96 -	476	754	19656	19932
UN71439	Rsa1.0.00725.1	779	66757	1.00E-178	356	368	96 +	218	584	20904	21271
UN71440	Rsa1.0.00104.1	823	368722	1.00E-107	254	269	94 +	405	672	196710	196975
UN71441	Rsa1.0.02144.1	692	34630	0	679	691	98 -	2	692	24090	24780
UN71442	Rsa1.0.00104.1	440	368722	1.00E-169	304	305	99 +	136	440	32684	32988
UN71443	Rsa1.0.00016.1	641	831256	2.00E-81	160	162	98 -	41	202	355289	355450
UN71444	Rsa1.0.01679.1	802	146876	0	443	461	96 +	350	801	146142	146600
UN71445	Rsa1.0.00414.1	222	202190	2.00E-26	88	97	90 -	126	222	197508	197604
UN71446	Rsa1.0.36326.1	717	621	0	384	386	99 -	90	475	73	458

UN71447	Rsa1.0_00936.1	563	59078	2.00E-96	194	199	97 -	168	366	51051	51249
UN71448	Rsa1.0_10218.1	350	5935	0	336	336	100 +	15	350	3419	3754
UN71449	Rsa1.0_06138.1	714	11651	0	378	392	96 -	328	714	10240	10630
UN71450	Rsa1.0_00725.1	770	66757	1.00E-160	292	294	99 +	2	295	5313	5606
UN71451	Rsa1.0_02060.1	696	35528	0	419	438	95 +	246	677	19474	19911
UN71452	Rsa1.0_03601.1	691	21850	1.00E-76	146	146	100 +	233	378	11427	11572
UN71453	Rsa1.0_01666.1	109	173972	1.00E-35	103	110	93 -	2	109	6744	6851
UN71454	Rsa1.0_00800.1	581	63868	1.00E-112	215	218	98 -	4	221	19924	20141
UN71455	Rsa1.0_00351.1	784	413096	0	495	529	93 +	90	612	266599	267113
UN71456	Rsa1.0_03044.1	666	25791	1.00E-104	226	237	95 +	430	666	5637	5873
UN71457	Rsa1.0_17985.1	730	1695	2.00E-66	141	145	97 -	296	440	81	225
UN71458	Rsa1.0_02508.1	521	30675	1.00E-134	267	274	97 +	1	274	20110	20381
UN71459	Rsa1.0_00407.1	655	191544	0	634	656	96 -	1	655	167013	167661
UN71460	Rsa1.0_00115.1	361	131321	6.00E-59	122	124	98 -	115	238	50722	50845
UN71461	Rsa1.0_01978.1	508	36546	1.00E-128	273	286	95 -	222	507	9966	10248
UN71462	Rsa1.0_03631.1	501	21647	0	477	497	95 +	17	501	9954	10450
UN71463	Rsa1.0_00224.1	274	327530	1.00E-71	162	170	95 -	1	170	224639	224804
UN71464	Rsa1.0_03185.1	670	24739	4.00E-83	175	181	96 -	130	310	5034	5214
UN71465	Rsa1.0_19075.1	637	1483	0	419	439	95 +	199	633	1	436
UN71466	Rsa1.0_00687.1	287	68494	1.00E-117	248	257	96 -	33	287	50666	50922
UN71467	Rsa1.0_26999.1	576	870	1.00E-144	296	305	97 -	276	576	567	870
UN71468	Rsa1.0_00028.1	561	293984	1.00E-134	287	295	97 -	268	557	627	921
UN71469	Rsa1.0_00737.1	697	66432	0	451	456	98 -	245	697	52056	52511
UN71470	Rsa1.0_00328.1	575	224661	1.00E-137	248	248	100 -	293	540	185917	186164
UN71471	Rsa1.0_05812.1	681	12571	1.00E-130	254	260	97 +	303	562	476	735
UN71472	Rsa1.0_00029.1	652	272992	0	634	659	96 -	3	652	10450	11107
UN71473	Rsa1.0_00661.1	575	213041	1.00E-167	334	345	96 +	237	575	192000	192344
UN71474	Rsa1.0_09170.1	763	6588	1.00E-177	356	370	96 +	241	610	5779	6142
UN71475	Rsa1.0_00107.1	712	431659	1.00E-135	292	306	95 +	281	581	9984	10289
UN71476	Rsa1.0_01419.1	641	167402	0	511	533	95 +	110	641	130437	130966
UN71477	Rsa1.0_07475.1	758	9292	1.00E-138	310	331	93 +	78	408	208	521
UN71478	Rsa1.0_02267.1	813	33194	8.00E-91	215	230	93 -	185	414	30984	31213
UN71479	Rsa1.0_01867.1	787	37960	0	648	684	94 -	2	685	976	1641
UN71480	Rsa1.0_05411.1	801	13838	0	526	542	97 -	210	746	9003	9544
UN71481	Rsa1.0_00051.1	718	258225	0	696	719	96 +	1	718	142397	143115
UN71482	Rsa1.0_00605.1	631	73199	1.00E-155	325	340	95 -	294	631	68922	69261
UN71483	Rsa1.0_00107.1	709	431659	0	432	433	99 -	2	434	292597	293029
UN71484	Rsa1.0_06701.1	666	10514	0	632	668	94 +	2	659	7071	7732
UN71485	Rsa1.0_03860.1	391	20407	1.00E-117	225	229	98 -	3	231	6063	6291

UN71486	Rsa1.0_10771.1	433	5723	1.00E-108	258	277	93 -	2	278	1882	2155
UN71487	Rsa1.0_00123.1	741	325650	1.00E-128	264	273	96 +	412	683	180639	180911
UN71488	Rsa1.0_00693.1	834	161311	0	762	794	95 -	54	834	41682	42475
UN71489	Rsa1.0_00059.1	755	159650	1.00E-112	238	246	96 -	505	748	78389	78634
UN71490	Rsa1.0_01317.1	537	48287	0	532	537	99 +	1	537	38110	38646
UN71491	Rsa1.0_01853.1	768	147800	1.00E-123	253	261	96 +	504	763	128102	128362
UN71492	Rsa1.0_04531.1	603	16955	0	432	457	94 +	149	600	6284	6734
UN71493	Rsa1.0_00067.1	653	415055	1.00E-126	275	290	94 +	14	303	312626	312915
UN71494	Rsa1.0_00006.1	540	396176	0	522	538	97 +	5	540	198290	198826
UN71495	Rsa1.0_00001.1	708	363028	1.00E-140	309	328	94 +	95	416	143880	144207
UN71496	Rsa1.0_00026.1	527	327835	0	489	498	98 +	31	527	131842	132339
UN71497	Rsa1.0_00707.1	743	190112	1.00E-140	288	300	96 -	3	302	66117	66416
UN71498	Rsa1.0_01656.1	732	41494	0	684	725	94 -	2	716	35817	36540
UN71499	Rsa1.0_00329.1	608	222544	2.00E-84	174	179	97 -	6	184	2056	2234
UN71500	Rsa1.0_04523.1	655	16985	0	600	658	91 +	3	654	12471	13119
UN71501	Rsa1.0_00043.1	585	264937	5.00E-73	371	444	83 -	56	492	4349	4786
UN71502	Rsa1.0_02908.1	693	26859	1.00E-134	251	254	98 +	64	317	6895	7148
UN71503	Rsa1.0_03746.1	525	21050	1.00E-159	348	368	94 +	159	525	19838	20199
UN71504	Rsa1.0_00339.1	720	222974	0	415	418	99 -	1	417	81926	82343
UN71505	Rsa1.0_20526.1	528	1297	0	342	347	98 -	45	391	1	347
UN71506	Rsa1.0_03319.1	682	23767	1.00E-118	246	252	97 +	2	251	22122	22372
UN71507	Rsa1.0_00001.1	648	363028	2.00E-94	179	180	99 -	469	648	289133	289312
UN71508	Rsa1.0_01419.1	693	167402	1.00E-133	262	269	97 +	2	270	42760	43028
UN71509	Rsa1.0_02458.1	800	31197	1.00E-154	312	323	96 -	3	325	9247	9566
UN71510	Rsa1.0_00230.1	739	105389	1.00E-142	339	364	93 +	9	368	827	1187
UN71511	Rsa1.0_00682.1	345	68680	2.00E-98	194	198	97 -	2	199	45380	45577
UN71512	Rsa1.0_01606.1	475	42432	1.00E-152	381	410	92 -	64	471	16048	16440
UN71513	Rsa1.0_00509.1	534	78829	1.00E-162	295	297	99 -	1	297	10014	10310
UN71514	Rsa1.0_00920.1	743	601703	1.00E-103	202	206	98 +	139	344	439449	439654
UN71515	Rsa1.0_00676.1	753	69166	2.33E-156	283	290	97 +	46	335	51227	51516
UN71516	Rsa1.0_00596.1	238	73578	1.00E-58	121	123	98 +	36	158	22332	22454
UN71517	Rsa1.0_00168.1	591	115870	1.00E-132	262	268	97 -	324	591	57921	58187
UN71518	Rsa1.0_03100.1	670	25411	1.00E-167	335	346	96 +	325	670	1871	2215
UN71519	Rsa1.0_02136.1	691	34707	1.00E-156	305	312	97 -	217	527	7661	7972
UN71520	Rsa1.0_04557.1	720	145048	0	676	689	98 +	35	720	131870	132558
UN71521	Rsa1.0_05257.1	712	14343	0	449	450	99 -	3	452	5403	5852
UN71522	Rsa1.0_00149.1	705	305196	0	622	655	94 +	4	656	154396	155041
UN71523	Rsa1.0_05784.1	446	12643	1.00E-72	157	163	96 +	136	298	828	990
UN71524	Rsa1.0_02470.1	772	31108	3.00E-53	122	127	96 +	312	438	24543	24669

UN71525	Rsa1.0.01578.1	732	42880	1.00E-154	373	403	92 -	2	403	37093	37483
UN71526	Rsa1.0.00240.1	727	104175	2.00E-48	117	123	95 +	3	125	82390	82512
UN71527	Rsa1.0.00104.1	539	368722	1.00E-155	341	361	94 +	3	362	212605	212965
UN71528	Rsa1.0.13353.1	445	4894	6.00E-78	157	160	98 +	90	249	4060	4219
UN71529	Rsa1.0.01077.1	821	54772	1.00E-139	272	279	97 -	258	536	11457	11735
UN71530	Rsa1.0.00556.1	693	207212	1.00E-132	270	279	96 -	273	551	39567	39844
UN71531	Rsa1.0.03616.1	609	21756	1.00E-122	300	326	92 +	208	523	8096	8421
UN71532	Rsa1.0.00247.1	733	103408	2.00E-82	171	176	97 -	179	354	12486	12661
UN71533	Rsa1.0.00215.1	389	201775	0	380	387	98 +	3	389	158497	158883
UN71534	Rsa1.0.01642.1	722	41772	0	476	488	97 +	236	722	14167	14654
UN71535	Rsa1.0.02353.1	615	32300	0	611	613	99 -	4	615	7949	8561
UN71536	Rsa1.0.04520.1	459	16995	2.00E-80	236	257	91 +	192	440	11580	11835
UN71537	Rsa1.0.02869.1	224	27109	1.00E-100	220	234	94 +	3	224	3242	3475
UN71538	Rsa1.0.01266.1	717	49680	1.00E-95	200	207	96 -	511	717	1538	1740
UN71539	Rsa1.0.02500.1	624	30768	0	454	481	94 +	148	624	8542	9019
UN71540	Rsa1.0.01531.1	709	43778	0	374	378	98 +	3	379	4619	4996
UN71541	Rsa1.0.04478.1	677	17183	1.00E-102	247	269	91 +	178	446	2601	2851
UN71542	Rsa1.0.00425.1	446	147080	0	422	432	97 -	2	432	135942	136372
UN71543	Rsa1.0.01711.1	107	40578	2.00E-40	103	108	95 +	1	107	19738	19845
UN71544	Rsa1.0.00853.1	185	62101	8.00E-35	125	144	86 +	1	132	54976	55119
UN71545	Rsa1.0.01982.1	735	36530	1.00E-114	210	210	100 +	249	458	23719	23928
UN71546	Rsa1.0.00474.1	709	81731	1.00E-125	298	322	92 -	3	322	32476	32782
UN71547	Rsa1.0.00108.1	740	478491	3.00E-68	135	136	99 +	152	287	50419	50554
UN71548	Rsa1.0.00237.1	609	235974	3.00E-77	165	171	96 -	98	268	19068	19238
UN71549	Rsa1.0.00903.1	760	60228	1.00E-100	226	236	95 -	6	238	41702	41935
UN71550	Rsa1.0.00529.1	785	77487	1.00E-152	350	376	93 +	8	383	72632	73001
UN71551	Rsa1.0.01637.1	112	41862	8.00E-43	106	112	94 +	1	112	28275	28386
UN71552	Rsa1.0.00087.1	654	761073	1.00E-92	191	197	96 -	446	642	734798	734994
UN71553	Rsa1.0.01312.1	130	48401	3.00E-46	115	122	94 +	7	128	44619	44740
UN71554	Rsa1.0.00037.1	685	307838	0	677	699	96 +	3	685	198044	198740
UN71555	Rsa1.0.06578.1	263	10726	8.00E-70	225	252	89 -	3	251	9807	10046
UN71556	Rsa1.0.00552.1	601	206757	1.00E-125	290	307	94 -	296	599	70068	70374
UN71557	Rsa1.0.00343.1	264	93570	4.00E-62	121	121	100 +	1	121	6129	6249
UN71558	Rsa1.0.00119.1	493	467509	3.00E-52	108	109	99 +	309	417	61229	61337
UN71559	Rsa1.0.01011.1	609	56883	0	605	608	99 +	2	609	11985	12592
UN71560	Rsa1.0.01056.1	592	55449	0	496	516	96 -	3	509	39958	40473
UN71561	Rsa1.0.01860.1	663	38057	0	425	456	93 -	3	437	27561	28016
UN71562	Rsa1.0.00678.1	575	193163	0	557	592	94 -	5	575	155389	155979
UN71563	Rsa1.0.00421.1	734	86365	8.00E-57	116	117	99 -	256	372	57471	57587

UN71564	Rsa1.0.01286.1	666	49209	0	626	655	95 +	12	666	22896	23541
UN71565	Rsa1.0.05036.1	573	15058	0	537	556	96 +	18	573	13193	13739
UN71566	Rsa1.0.00502.1	691	204180	1.00E-152	308	320	96 -	372	691	61572	61891
UN71567	Rsa1.0.01231.1	532	50208	0	380	385	98 -	90	474	38269	38653
UN71568	Rsa1.0.19181.1	577	1468	5.00E-48	101	102	99 +	166	267	787	888
UN71569	Rsa1.0.00223.1	484	106231	1.00E-145	287	296	96 -	189	484	42246	42541
UN71570	Rsa1.0.04813.1	447	15883	0	439	448	97 +	3	447	882	1329
UN71571	Rsa1.0.00169.1	524	274298	0	507	523	96 +	3	524	93190	93711
UN71572	Rsa1.0.00251.1	585	303968	1.00E-130	260	268	97 +	33	300	142568	142835
UN71573	Rsa1.0.00476.1	572	280966	1.00E-114	224	229	97 -	39	267	218202	218430
UN71574	Rsa1.0.02493.1	255	30854	1.00E-83	198	211	93 -	3	213	4179	4386
UN71575	Rsa1.0.00645.1	645	189716	1.00E-180	332	335	99 -	312	645	124735	125069
UN71576	Rsa1.0.03380.1	178	23320	4.00E-61	134	139	96 -	5	143	7459	7597
UN71577	Rsa1.0.01889.1	309	37562	1.00E-112	245	257	95 +	5	261	23043	23298
UN71578	Rsa1.0.00721.1	690	66918	1.00E-166	344	359	95 +	332	690	918	1273
UN71579	Rsa1.0.04639.1	690	16550	1.00E-42	181	209	86 +	183	390	5005	5212
UN71580	Rsa1.0.03636.1	561	21638	2.00E-99	184	184	100 +	73	256	15202	15385
UN71581	Rsa1.0.00616.1	117	195713	2.00E-40	110	116	94 -	1	116	183075	183188
UN71582	Rsa1.0.00059.1	733	159650	0	728	736	98 -	1	733	35896	36630
UN71583	Rsa1.0.00796.1	767	63997	9.00E-66	140	144	97 -	472	615	3000	3143
UN71584	Rsa1.0.00239.1	269	104332	8.00E-39	104	109	95 +	1	106	27816	27924
UN71585	Rsa1.0.00138.1	734	247040	0	712	735	96 +	1	734	232687	233421
UN71586	Rsa1.0.01825.1	108	38725	8.00E-43	103	108	95 +	1	108	21301	21408
UN71587	Rsa1.0.01364.1	530	47172	0	516	532	96 -	2	530	33988	34518
UN71588	Rsa1.0.00577.1	510	174827	1.00E-127	282	299	94 +	217	510	158025	158323
UN71589	Rsa1.0.00067.1	104	415055	2.00E-24	75	81	92 -	15	95	255711	255791
UN71590	Rsa1.0.03865.1	512	20373	1.00E-106	233	245	95 +	193	434	1944	2182
UN71591	Rsa1.0.10770.1	214	5723	2.00E-39	95	99	95 -	28	126	3505	3603
UN71592	Rsa1.0.07849.1	769	8425	7.00E-45	99	101	98 -	606	706	6501	6601
UN71593	Rsa1.0.02474.1	221	31076	9.00E-63	165	175	94 +	4	174	28321	28492
UN71594	Rsa1.0.00108.1	766	478491	1.00E-102	216	225	96 +	407	631	45332	45556
UN71595	Rsa1.0.01027.1	651	56402	1.00E-82	171	176	97 -	3	178	21844	22019
UN71596	Rsa1.0.03843.1	608	20496	1.00E-70	247	283	87 +	326	608	4472	4742
UN71597	Rsa1.0.19680.1	211	1397	7.00E-48	125	131	95 +	81	211	949	1074
UN71598	Rsa1.0.00199.1	661	249604	1.00E-157	299	305	98 -	20	324	13561	13865
UN71599	Rsa1.0.02404.1	509	31702	0	479	497	96 -	15	509	5706	6198
UN71600	Rsa1.0.01078.1	627	316910	0	607	627	96 -	1	627	274844	275470
UN71601	Rsa1.0.05739.1	424	12778	1.00E-151	383	414	92 -	22	424	3488	3892
UN71602	Rsa1.0.11211.1	750	5581	0	545	556	98 +	2	557	4725	5280

UN71603	Rsa1.0.06313.1	698	11252	1.00E-110	206	207	99 +	148	354	6215	6421
UN71604	Rsa1.0.00018.1	672	410899	0	642	667	96 -	9	672	80251	80914
UN71605	Rsa1.0.16028.1	313	2319	6.00E-74	147	149	98 -	165	313	1189	1337
UN71606	Rsa1.0.07270.1	702	9634	1.00E-155	300	306	98 +	3	308	5791	6095
UN71607	Rsa1.0.00528.1	736	164755	5.00E-27	276	347	79 +	169	515	148538	148884
UN71608	Rsa1.0.03686.1	332	21387	1.00E-108	259	271	95 -	27	291	8466	8736
UN71609	Rsa1.0.05076.1	502	14916	1.00E-118	266	281	94 +	3	280	10621	10894
UN71610	Rsa1.0.02372.1	709	32053	0	703	713	98 +	1	709	24491	25201
UN71611	Rsa1.0.01806.1	800	39021	0	627	677	92 -	105	755	29024	29700
UN71612	Rsa1.0.00664.1	542	69573	1.00E-76	158	162	97 -	3	164	26645	26806
UN71613	Rsa1.0.02130.1	553	34755	0	541	551	98 -	3	553	5401	5951
UN71614	Rsa1.0.00301.1	731	365315	1.00E-157	296	301	98 -	273	573	194651	194951
UN71615	Rsa1.0.05721.1	786	12821	0	392	405	96 +	388	786	5611	6014
UN71616	Rsa1.0.02981.1	641	26285	0	379	392	96 -	3	394	24880	25271
UN71617	Rsa1.0.07698.1	578	8763	0	566	577	98 -	2	578	1283	1857
UN71618	Rsa1.0.00013.1	676	292129	0	437	450	97 +	230	676	202488	202936
UN71619	Rsa1.0.00006.1	595	396176	0	521	532	97 -	64	595	3276	3807
UN71620	Rsa1.0.00669.1	662	69419	0	447	461	96 +	204	662	18999	19459
UN71621	Rsa1.0.00087.1	700	761073	0	363	370	98 +	182	551	86718	87087
UN71622	Rsa1.0.02735.1	646	28344	0	415	425	97 -	222	643	13174	13598
UN71623	Rsa1.0.04213.1	203	18437	1.00E-43	108	114	94 +	3	116	17054	17167
UN71624	Rsa1.0.02987.1	641	26196	0	409	428	95 +	170	597	22775	23202
UN71625	Rsa1.0.06583.1	679	10722	0	639	670	95 -	2	669	4504	5173
UN71626	Rsa1.0.01536.1	778	43747	1.00E-122	247	254	97 -	2	254	8337	8590
UN71627	Rsa1.0.01031.1	708	56236	0	419	420	99 +	9	428	46665	47084
UN71628	Rsa1.0.00161.1	591	116891	1.00E-155	299	306	97 -	286	591	77573	77878
UN71629	Rsa1.0.08631.1	688	7103	1.00E-151	367	394	93 -	300	688	3607	3995
UN71630	Rsa1.0.05864.1	742	12387	1.00E-135	361	398	90 -	7	396	11077	11453
UN71631	Rsa1.0.02032.1	753	35830	0	389	407	95 +	292	695	1810	2216
UN71632	Rsa1.0.00693.1	616	161311	0	587	624	94 +	2	616	36580	37203
UN71633	Rsa1.0.01953.1	585	36881	0	583	586	99 -	1	585	27802	28386
UN71634	Rsa1.0.13611.1	790	4641	3.00E-96	216	227	95 +	170	393	3194	3417
UN71635	Rsa1.0.00421.1	220	86365	1.00E-83	204	220	92 +	3	220	42866	43076
UN71636	Rsa1.0.05878.1	480	12344	8.00E-96	236	258	91 -	166	423	9121	9360
UN71637	#	#	#	#	#	#	#	#	#	#	#
UN71638	Rsa1.0.05694.1	742	12903	3.00E-87	200	208	96 -	524	728	8475	8682
UN71639	Rsa1.0.00104.1	143	368722	1.00E-14	61	65	93 +	73	135	13076	13140
UN71640	Rsa1.0.01115.1	200	183545	5.00E-67	184	196	93 -	3	195	137721	137913
UN71641	Rsa1.0.00630.1	529	71281	0	360	366	98 -	2	361	66667	67032

UN71642	Rsa1.0_00608.1	388	172672	1.00E-138	280	288	97 +	103	388	120841	121127
UN71643	Rsa1.0_00230.1	622	105389	1.00E-156	283	284	99 +	339	622	4736	5019
UN71644	Rsa1.0_00599.1	139	73418	1.00E-60	133	138	96 +	2	139	54473	54610
UN71645	Rsa1.0_00110.1	705	132719	0	679	701	96 -	1	701	130111	130805
UN71646	Rsa1.0_01129.1	253	52949	6.00E-98	233	251	92 +	4	253	8797	9036
UN71647	Rsa1.0_01596.1	705	42595	8.00E-69	136	137	99 +	459	595	39032	39168
UN71648	Rsa1.0_01528.1	690	43882	0	668	686	97 -	2	686	7716	8401
UN71649	Rsa1.0_07499.1	561	9244	0	389	406	95 -	11	416	6510	6912
UN71650	Rsa1.0_01101.1	223	54031	4.00E-37	85	87	97 -	72	158	23747	23833
UN71651	Rsa1.0_00259.1	432	163204	0	413	432	95 +	6	432	154311	154741
UN71652	Rsa1.0_05504.1	722	13508	1.00E-109	317	349	90 +	34	371	4769	5114
UN71653	Rsa1.0_00402.1	736	385315	0	413	413	100 +	3	415	270781	271193
UN71654	Rsa1.0_00194.1	601	110851	1.00E-113	338	377	89 -	2	352	56294	56670
UN71655	Rsa1.0_04354.1	704	17773	4.00E-18	72	80	90 -	5	84	2439	2518
UN71656	Rsa1.0_00106.1	515	133916	1.00E-168	349	366	95 +	78	436	59737	60102
UN71657	Rsa1.0_05045.1	677	15035	0	660	681	96 +	1	677	6320	7000
UN71658	Rsa1.0_00706.1	265	291570	1.00E-107	251	266	94 -	1	265	48007	48267
UN71659	Rsa1.0_00128.1	524	228675	1.00E-172	379	401	94 +	1	400	183565	183963
UN71660	Rsa1.0_01365.1	544	47142	0	522	544	95 +	3	544	8122	8664
UN71661	Rsa1.0_01308.1	753	48596	0	725	751	96 +	7	753	26989	27736
UN71662	Rsa1.0_00666.1	760	69505	0	732	768	95 -	1	760	9150	9913
UN71663	Rsa1.0_00051.1	648	258225	1.00E-107	215	221	97 +	424	644	119841	120061
UN71664	Rsa1.0_01081.1	193	499226	1.00E-76	181	193	93 +	1	193	466578	466770
UN71665	Rsa1.0_00029.1	759	272992	0	720	767	93 +	14	758	257520	258280
UN71666	Rsa1.0_00398.1	109	88007	2.00E-43	101	105	96 +	5	109	1727	1831
UN71667	Rsa1.0_07823.1	606	8468	0	578	606	95 -	1	606	5036	5637
UN71668	Rsa1.0_00949.1	585	58549	0	507	524	96 -	1	520	51990	52512
UN71669	Rsa1.0_14069.1	430	3842	0	401	426	94 +	1	426	2061	2482
UN71670	Rsa1.0_00523.1	665	178770	0	632	639	98 -	1	639	130734	131371
UN71671	Rsa1.0_00525.1	379	78030	0	364	378	96 +	1	378	19756	20133
UN71672	Rsa1.0_01170.1	592	161131	1.00E-161	325	337	96 -	1	328	129391	129727
UN71673	Rsa1.0_01331.1	130	47944	1.00E-60	127	130	97 +	1	130	23080	23209
UN71674	Rsa1.0_01696.1	706	301850	1.00E-150	308	321	95 -	141	461	40201	40521
UN71675	Rsa1.0_02367.1	243	32106	2.00E-64	125	125	100 -	1	125	7976	8100
UN71676	Rsa1.0_01682.1	642	41090	1.00E-172	346	358	96 -	3	360	10171	10527
UN71677	Rsa1.0_00596.1	265	73578	4.00E-90	238	260	91 +	6	264	42229	42488
UN71678	Rsa1.0_00069.1	682	403561	0	403	408	98 -	275	682	51863	52270
UN71679	Rsa1.0_00740.1	310	215972	1.00E-112	284	310	91 +	1	310	11909	12213
UN71680	Rsa1.0_00306.1	129	146760	8.00E-28	86	93	92 -	1	90	115946	116038

UN71681	Rsa1.0_00196.1	544	109960	1.00E-145	332	353	94 -	1	353	11656	12001
UN71682	Rsa1.0_00179.1	601	393324	0	589	616	95 +	1	601	367793	368408
UN71683	Rsa1.0_02462.1	384	31158	1.00E-102	221	232	95 +	1	232	7271	7502
UN71684	Rsa1.0_00017.1	136	752458	2.00E-50	116	121	95 +	1	121	141348	141468
UN71685	Rsa1.0_00196.1	446	109960	0	419	441	95 -	1	441	11362	11802
UN71686	Rsa1.0_02560.1	137	30091	3.00E-52	131	139	94 +	1	137	786	924
UN71687	Rsa1.0_00064.1	547	240927	0	512	517	99 -	1	516	132859	133372
UN71688	Rsa1.0_00586.1	679	163802	0	547	558	98 -	1	557	108812	109366
UN71689	Rsa1.0_00476.1	753	280966	2.00E-97	184	185	99 -	273	457	26167	26351
UN71690	Rsa1.0_00960.1	171	58199	9.00E-44	151	169	89 -	5	171	14205	14372
UN71691	Rsa1.0_01338.1	837	155644	2.00E-14	66	74	89 -	139	212	128304	128377
UN71692	Rsa1.0_00123.1	554	325650	1.00E-131	348	384	90 -	3	383	256008	256391
UN71693	Rsa1.0_02504.1	713	30706	1.00E-106	243	258	94 +	283	540	15343	15598
UN71694	Rsa1.0_00123.1	363	325650	0	361	363	99 -	1	363	140736	141098
UN71695	Rsa1.0_00017.1	150	752458	1.00E-26	76	81	93 +	70	150	272503	272583
UN71696	Rsa1.0_01263.1	216	49703	9.00E-60	184	205	89 -	5	203	40157	40361
UN71697	Rsa1.0_01077.1	353	54772	1.00E-129	330	357	92 +	1	353	23769	24115
UN71698	Rsa1.0_00041.1	469	186197	0	379	380	99 -	3	382	53418	53797
UN71699	Rsa1.0_03447.1	233	22857	5.00E-43	101	105	96 +	103	207	19942	20046
UN71700	Rsa1.0_01448.1	771	45645	0	606	607	99 +	1	607	20621	21227
UN71701	Rsa1.0_00867.1	792	61635	0	377	388	97 -	357	744	19195	19582
UN71702	Rsa1.0_03826.1	639	20614	0	619	655	94 +	1	639	3392	4046
UN71703	Rsa1.0_00065.1	177	454616	1.00E-70	150	155	96 +	20	174	439710	439864
UN71704	Rsa1.0_00034.1	650	260119	0	633	656	96 -	1	650	119558	120207
UN71705	Rsa1.0_01236.1	212	50156	2.00E-88	202	213	94 -	1	212	12369	12581
UN71706	Rsa1.0_00321.1	625	95671	0	386	398	96 +	227	624	77384	77781
UN71707	Rsa1.0_00038.1	661	314568	0	640	665	96 +	2	661	165866	166527
UN71708	Rsa1.0_02231.1	568	33661	0	480	503	95 -	2	501	31287	31784
UN71709	Rsa1.0_02680.1	523	28721	5.00E-82	158	159	99 +	3	161	13542	13700
UN71710	Rsa1.0_02478.1	356	150183	0	350	353	99 +	1	353	130726	131078
UN71711	Rsa1.0_05326.1	114	14139	2.00E-15	51	54	94 +	2	55	4864	4917
UN71712	Rsa1.0_01799.1	621	39127	0	557	588	94 +	10	595	8405	8989
UN71713	Rsa1.0_02528.1	711	30452	1.00E-134	321	342	93 -	16	347	21646	21987
UN71714	Rsa1.0_00008.1	531	358124	0	506	524	96 -	8	531	194417	194939
UN71715	Rsa1.0_00224.1	460	327530	4.00E-76	186	199	93 -	1	199	201423	201618
UN71716	Rsa1.0_01691.1	562	40921	1.00E-105	212	218	97 +	1	218	15390	15607
UN71717	Rsa1.0_02768.1	583	28110	1.00E-129	237	238	99 -	1	238	26454	26691
UN71718	Rsa1.0_00123.1	609	325650	0	493	536	91 +	67	602	218194	218719
UN71719	Rsa1.0_01610.1	723	42274	0	378	387	97 +	43	426	18119	18504

UN71720	Rsa1.0.00990.1	417	57445	1.00E-107	212	217	97 +	201	417	42432	42648
UN71721	Rsa1.0.18670.1	281	1555	1.00E-149	276	279	98 -	3	281	782	1060
UN71722	Rsa1.0.02210.1	575	33857	1.00E-131	295	313	94 +	1	307	12098	12405
UN71723	Rsa1.0.03995.1	531	19654	1.00E-150	303	314	96 +	1	314	2313	2626
UN71724	Rsa1.0.01002.1	777	57063	0	561	570	98 -	207	776	4044	4612
UN71725	Rsa1.0.01613.1	434	182542	0	414	431	96 +	2	432	165938	166368
UN71726	Rsa1.0.00052.1	502	162771	1.00E-112	236	245	96 +	1	244	96965	97209
UN71727	Rsa1.0.00990.1	287	57445	2.00E-98	245	260	94 +	3	258	41250	41506
UN71728	Rsa1.0.01494.1	383	44641	6.00E-53	139	150	92 +	140	284	11175	11324
UN71729	Rsa1.0.00234.1	714	197060	0	327	329	99 +	1	329	147484	147812
UN71730	Rsa1.0.00407.1	410	191544	1.00E-128	311	335	92 +	7	341	24358	24688
UN71731	Rsa1.0.00031.1	686	179862	1.00E-165	328	339	96 +	348	686	82448	82786
UN71732	Rsa1.0.01574.1	791	42930	0	381	383	99 +	2	384	17743	18125
UN71733	Rsa1.0.01533.1	875	43765	1.00E-155	413	458	90 -	82	534	16208	16665
UN71734	Rsa1.0.00002.1	660	601661	0	638	664	96 +	3	660	436517	437179
UN71735	Rsa1.0.00567.1	405	75260	3.00E-79	159	162	98 -	138	299	20836	20997
UN71736	Rsa1.0.00336.1	788	445051	0	415	420	98 -	2	421	14187	14606
UN71737	Rsa1.0.00667.1	749	69460	1.00E-152	330	351	94 +	1	351	37087	37426
UN71738	Rsa1.0.00264.1	769	101674	1.00E-105	194	194	100 -	576	769	70534	70727
UN71739	Rsa1.0.05684.1	365	12943	7.00E-68	156	163	95 -	1	158	12129	12290
UN71740	Rsa1.0.00711.1	623	67223	0	413	432	95 -	1	432	27482	27913
UN71741	Rsa1.0.04886.1	323	15597	1.00E-149	309	323	95 +	1	323	1611	1933
UN71742	Rsa1.0.00112.1	695	132199	1.00E-122	288	306	94 -	10	312	56161	56460
UN71743	Rsa1.0.02806.1	653	27696	1.00E-92	182	185	98 +	57	241	5035	5219
UN71744	Rsa1.0.00089.1	597	406142	1.00E-120	225	227	99 +	287	513	322926	323152
UN71745	Rsa1.0.03004.1	740	26091	0	414	418	99 +	1	418	3036	3453
UN71746	Rsa1.0.01442.1	510	45776	0	487	510	95 +	1	510	16800	17309
UN71747	Rsa1.0.00476.1	119	280966	1.00E-57	116	117	99 -	3	119	166266	166382
UN71748	Rsa1.0.00251.1	672	303968	1.00E-113	223	228	97 +	405	632	288115	288342
UN71749	Rsa1.0.00347.1	465	93048	1.00E-153	392	424	92 -	4	421	12008	12424
UN71750	Rsa1.0.00097.1	876	138858	1.00E-162	299	302	99 -	232	533	117419	117720
UN71751	Rsa1.0.04773.1	104	16037	2.00E-40	100	104	96 -	1	104	8753	8855
UN71752	Rsa1.0.00008.1	387	358124	1.00E-127	319	341	93 -	3	337	54525	54859
UN71753	Rsa1.0.04719.1	538	16239	0	377	388	97 -	1	387	260	646
UN71754	Rsa1.0.00380.1	256	89748	7.00E-70	226	253	89 -	3	253	8329	8579
UN71755	Rsa1.0.01489.1	564	44764	0	449	477	94 +	29	494	2	469
UN71756	Rsa1.0.01400.1	606	46560	1.00E-131	297	317	93 -	290	606	9861	10177
UN71757	Rsa1.0.00223.1	731	106231	0	448	474	94 -	15	480	6079	6552
UN71758	Rsa1.0.10465.1	192	5840	1.00E-89	185	191	96 -	2	192	269	459

UN71759	#	#	#	#	#	#	#	#	#	#	#	#
UN71760	Rsa1.0.01770.1	770	39563	2.00E-82	183	192	95 -	276	467	13789	13980	
UN71761	Rsa1.0.06086.1	766	11768	7.00E-51	153	169	90 -	9	172	7613	7778	
UN71762	Rsa1.0.08172.1	726	7793	1.00E-110	203	203	100 -	327	529	6451	6653	
UN71763	Rsa1.0.00925.1	639	59481	1.00E-172	353	367	96 -	1	366	8960	9326	
UN71764	Rsa1.0.01182.1	106	167304	9.00E-18	58	61	95 +	6	64	165230	165290	
UN71765	Rsa1.0.04741.1	786	16164	0	505	529	95 -	2	526	6516	7044	
UN71766	Rsa1.0.01743.1	445	39926	0	426	449	94 +	1	442	6765	7212	
UN71767	Rsa1.0.02604.1	390	29638	0	381	390	97 -	1	390	18972	19361	
UN71768	Rsa1.0.00018.1	751	410899	0	690	766	90 +	9	746	173401	174142	
UN71769	Rsa1.0.08846.1	439	6867	2.00E-93	262	283	92 +	4	284	4030	4299	
UN71770	Rsa1.0.08717.1	413	7008	8.00E-68	146	151	96 -	2	152	1261	1411	
UN71771	Rsa1.0.00755.1	643	192559	1.00E-79	224	250	89 +	114	346	5896	6142	
UN71772	Rsa1.0.00789.1	753	64233	1.00E-166	366	386	94 -	3	384	53473	53851	
UN71773	Rsa1.0.00632.1	738	183777	0	439	459	95 -	12	468	157543	157998	
UN71774	Rsa1.0.01186.1	633	51418	0	609	636	95 +	1	633	46650	47278	
UN71775	Rsa1.0.04041.1	531	19430	1.00E-139	318	338	94 -	173	510	9307	9636	
UN71776	Rsa1.0.00381.1	754	89718	0	494	501	98 +	7	507	30336	30836	
UN71777	Rsa1.0.01249.1	401	188432	0	385	400	96 -	3	401	150010	150409	
UN71778	Rsa1.0.01244.1	351	50061	1.00E-102	232	245	94 -	4	248	27345	27588	
UN71779	Rsa1.0.01435.1	697	45942	0	549	573	95 -	2	572	41027	41594	
UN71780	Rsa1.0.06168.1	280	11580	1.00E-62	204	233	87 -	2	219	8500	8732	
UN71781	Rsa1.0.00181.1	232	114269	1.00E-101	223	234	95 -	1	232	16258	16491	
UN71782	Rsa1.0.00170.1	694	179538	1.00E-170	332	339	97 +	1	338	42319	42656	
UN71783	Rsa1.0.01707.1	525	40686	1.00E-128	284	299	94 +	24	319	29000	29298	
UN71784	Rsa1.0.04402.1	713	17511	1.00E-142	259	260	99 -	1	260	16036	16295	
UN71785	Rsa1.0.02046.1	121	162733	6.00E-47	113	119	94 +	1	119	33021	33139	
UN71786	Rsa1.0.00758.1	669	65477	0	665	669	99 -	1	667	24163	24831	
UN71787	Rsa1.0.01519.1	315	44144	1.00E-125	302	321	94 +	1	315	11636	11955	
UN71788	Rsa1.0.05699.1	708	12889	0	683	698	97 +	11	708	10191	10880	
UN71789	Rsa1.0.02250.1	549	33409	0	483	497	97 +	1	497	32909	33405	
UN71790	Rsa1.0.00893.1	100	60626	2.00E-34	86	90	95 +	6	95	8177	8266	
UN71791	Rsa1.0.11786.1	280	5409	1.00E-121	262	275	95 +	3	277	3037	3309	
UN71792	Rsa1.0.00698.1	718	67816	1.00E-120	330	361	91 +	17	366	21777	22136	
UN71793	Rsa1.0.00394.1	705	148426	0	449	478	93 +	6	475	124754	125225	
UN71794	Rsa1.0.00744.1	657	66084	1.00E-95	221	232	95 +	106	334	18800	19029	
UN71795	Rsa1.0.28569.1	689	810	0	437	441	99 +	249	689	90	529	
UN71796	Rsa1.0.01287.1	675	49195	0	659	674	97 -	6	675	48008	48681	
UN71797	Rsa1.0.01765.1	624	39640	0	614	620	99 +	6	624	14191	14810	

UN71798	Rsa1.0.01453.1	547	45449	0	437	453	96 +	4	454	6445	6896
UN71799	Rsa1.0.03972.1	731	19787	1.00E-178	346	356	97 -	1	356	13644	13999
UN71800	Rsa1.0.00104.1	624	368722	1.00E-161	329	343	95 +	49	391	41676	42018
UN71801	Rsa1.0.03862.1	699	20400	0	670	697	96 -	3	699	2838	3531
UN71802	Rsa1.0.00460.1	776	206387	0	755	783	96 -	1	776	496	1275
UN71803	Rsa1.0.02647.1	351	29120	0	341	342	99 +	1	342	26186	26527
UN71804	Rsa1.0.00608.1	578	172672	0	422	426	99 +	1	426	163209	163634
UN71805	Rsa1.0.12442.1	783	5225	1.00E-169	527	599	87 -	183	770	2036	2630
UN71806	Rsa1.0.09776.1	314	6155	4.00E-84	217	234	92 +	75	307	5923	6155
UN71807	Rsa1.0.00951.1	744	164588	0	717	766	93 +	2	744	122895	123657
UN71808	Rsa1.0.03645.1	519	21599	0	349	357	97 +	1	357	11933	12289
UN71809	Rsa1.0.14655.1	626	3184	0	413	422	97 +	205	626	1755	2176
UN71810	Rsa1.0.04118.1	676	18968	1.00E-95	193	198	97 +	51	248	1795	1992
UN71811	Rsa1.0.00501.1	470	79545	1.00E-118	241	248	97 -	1	244	66810	67056
UN71812	Rsa1.0.03771.1	677	20942	0	369	377	97 +	301	677	10745	11119
UN71813	Rsa1.0.03877.1	284	20318	1.00E-110	269	287	93 +	1	284	7525	7808
UN71814	Rsa1.0.01580.1	638	42852	1.00E-104	211	217	97 -	201	417	37225	37441
UN71815	Rsa1.0.01123.1	517	53359	1.00E-116	249	261	95 -	54	314	1531	1791
UN71816	Rsa1.0.00626.1	541	71582	5.00E-79	162	166	97 +	15	180	63326	63491
UN71817	Rsa1.0.00671.1	767	397884	0	566	582	97 -	3	583	169284	169864
UN71818	Rsa1.0.00543.1	476	76788	2.00E-38	100	106	94 -	133	238	66127	66232
UN71819	Rsa1.0.00269.1	172	341668	1.00E-64	159	169	94 -	5	172	193384	193552
UN71820	Rsa1.0.00734.1	574	66508	0	425	427	99 +	1	427	45756	46182
UN71821	Rsa1.0.04280.1	341	18110	1.00E-143	324	344	94 +	1	341	5438	5780
UN71822	Rsa1.0.00940.1	595	179946	0	539	573	94 +	2	574	170748	171310
UN71823	Rsa1.0.02729.1	534	28394	0	516	521	99 -	2	520	14224	14744
UN71824	Rsa1.0.00423.1	822	86138	1.00E-172	376	395	95 +	1	392	38257	38646
UN71825	Rsa1.0.00717.1	609	67051	1.00E-132	249	252	98 +	358	609	8491	8742
UN71826	Rsa1.0.02034.1	456	35823	1.00E-166	370	392	94 +	9	399	10061	10451
UN71827	Rsa1.0.00570.1	633	75002	0	383	395	96 -	73	467	73185	73579
UN71828	Rsa1.0.03843.1	434	20496	5.00E-60	140	146	95 -	40	184	7468	7613
UN71829	Rsa1.0.00417.1	130	395068	1.00E-26	64	65	98 +	66	130	14145	14209
UN71830	Rsa1.0.00599.1	206	73418	2.00E-29	142	165	86 -	32	188	40461	40625
UN71831	Rsa1.0.00899.1	805	60404	1.00E-68	401	487	82 +	195	674	21980	22443
UN71832	Rsa1.0.02431.1	132	31504	6.00E-44	121	130	93 +	1	129	17564	17693
UN71833	Rsa1.0.00193.1	457	194198	1.00E-180	407	438	92 -	1	418	3836	4268
UN71834	Rsa1.0.02599.1	528	29660	1.00E-119	249	259	96 -	230	488	4092	4347
UN71835	Rsa1.0.05311.1	235	14181	2.00E-85	218	232	93 -	5	235	6777	7005
UN71836	Rsa1.0.01674.1	701	168300	1.00E-172	397	431	92 -	288	701	3569	3999

UN71837	Rsa1.0_00426.1	642	85668	0	620	639	97 -	1	639	10031	10669
UN71838	#	#	#	#	#	#	#	#	#	#	#
UN71839	Rsa1.0_02223.1	177	152421	2.00E-84	175	178	98 -	1	177	12108	12284
UN71840	Rsa1.0_00278.1	738	231896	1.00E-104	214	222	96 +	3	224	152656	152870
UN71841	Rsa1.0_00321.1	441	95671	2.00E-50	218	258	84 -	12	258	56950	57194
UN71842	Rsa1.0_05362.1	768	14049	0	370	384	96 +	171	554	3472	3855
UN71843	Rsa1.0_01093.1	311	54312	1.00E-135	281	291	96 -	7	295	47272	47562
UN71844	Rsa1.0_03218.1	751	24539	0	628	632	99 -	1	632	16471	17102
UN71845	Rsa1.0_00118.1	171	130637	2.00E-35	85	88	96 +	82	169	90339	90426
UN71846	Rsa1.0_00159.1	771	431686	0	460	483	95 -	96	578	261877	262359
UN71847	Rsa1.0_03435.1	182	22958	1.00E-58	154	167	92 +	12	178	21599	21765
UN71848	Rsa1.0_00237.1	266	235974	1.00E-117	255	266	95 +	3	266	188303	188568
UN71849	#	#	#	#	#	#	#	#	#	#	#
UN71850	Rsa1.0_12259.1	695	5273	1.00E-144	315	333	94 +	124	456	502	831
UN71851	Rsa1.0_01281.1	539	49313	1.00E-109	220	225	97 +	3	226	33529	33753
UN71852	Rsa1.0_09504.1	667	6328	0	610	669	91 +	3	667	3697	4337
UN71853	Rsa1.0_00923.1	789	153678	0	456	479	95 +	1	478	38692	39160
UN71854	Rsa1.0_00354.1	443	232005	1.00E-75	235	263	89 -	6	262	170578	170833
UN71855	Rsa1.0_00208.1	669	108565	0	472	513	92 -	38	541	28991	29502
UN71856	Rsa1.0_01482.1	556	44855	1.00E-105	318	355	89 -	1	349	30772	31105
UN71857	Rsa1.0_00094.1	728	139042	0	702	732	95 +	1	726	7720	8444
UN71858	Rsa1.0_01740.1	266	39986	1.00E-139	263	266	98 -	2	266	18609	18874
UN71859	Rsa1.0_01441.1	702	45790	1.00E-176	396	418	94 -	1	415	31974	32386
UN71860	Rsa1.0_04511.1	771	17032	0	497	513	96 -	260	771	1852	2361
UN71861	Rsa1.0_00506.1	710	79106	4.00E-77	179	187	95 +	101	286	10905	11090
UN71862	Rsa1.0_00114.1	374	131330	4.00E-91	188	194	96 -	180	373	37732	37925
UN71863	Rsa1.0_13593.1	515	4685	1.00E-153	311	322	96 -	196	515	3568	3889
UN71864	Rsa1.0_00253.1	525	231292	0	512	530	96 -	1	525	161276	161804
UN71865	Rsa1.0_00050.1	449	237174	1.00E-180	355	366	96 -	1	364	33432	33797
UN71866	Rsa1.0_00093.1	640	214962	0	492	506	97 +	1	496	11307	11812
UN71867	Rsa1.0_00008.1	597	358124	0	343	348	98 -	1	348	273181	273528
UN71868	Rsa1.0_00855.1	408	62047	3.00E-98	222	234	94 -	13	246	55971	56203
UN71869	Rsa1.0_01344.1	128	142535	5.00E-35	109	119	91 +	8	125	117449	117567
UN71870	Rsa1.0_00472.1	662	398134	1.00E-144	278	283	98 +	2	284	295589	295870
UN71871	Rsa1.0_02017.1	735	35999	0	625	647	96 +	91	735	9761	10407
UN71872	Rsa1.0_03498.1	652	22480	1.00E-122	241	245	98 -	80	323	14642	14884
UN71873	Rsa1.0_00273.1	259	326186	4.00E-62	193	217	88 +	20	236	26862	27078
UN71874	Rsa1.0_01076.1	563	54835	0	451	463	97 +	101	563	4130	4592
UN71875	Rsa1.0_05938.1	685	12173	0	663	688	96 -	1	685	3180	3866

UN71876	Rsa1.0.00630.1	456	71281	1.00E-125	257	267	96 +	1	267	61142	61408
UN71877	Rsa1.0.02748.1	185	28242	2.00E-57	125	129	96 -	57	185	11822	11950
UN71878	Rsa1.0.00003.1	734	340054	1.00E-43	181	211	85 -	107	317	159466	159676
UN71879	Rsa1.0.00529.1	601	77487	1.00E-180	337	342	98 +	7	348	18974	19313
UN71880	Rsa1.0.00954.1	676	189536	0	663	691	95 +	1	676	8410	9099
UN71881	Rsa1.0.01556.1	107	163858	3.00E-48	103	105	98 +	1	105	161533	161637
UN71882	Rsa1.0.06128.1	657	11671	1.00E-178	391	414	94 +	1	408	9704	10109
UN71883	Rsa1.0.02663.1	757	169243	0	728	757	96 -	1	757	24029	24777
UN71884	Rsa1.0.02220.1	120	176031	1.00E-20	110	132	83 +	1	120	156716	156847
UN71885	Rsa1.0.03382.1	770	23299	0	739	778	94 -	3	770	21340	22113
UN71886	Rsa1.0.01641.1	728	188213	1.00E-126	344	383	89 +	11	390	174788	175151
UN71887	Rsa1.0.01180.1	260	51517	1.00E-110	247	261	94 +	1	260	32430	32690
UN71888	Rsa1.0.44332.1	765	508	1.00E-139	263	267	98 +	4	270	28	294
UN71889	Rsa1.0.04264.1	166	18207	2.00E-72	153	158	96 -	9	166	5741	5898
UN71890	Rsa1.0.00067.1	448	415055	1.00E-163	322	332	96 +	1	328	81527	81858
UN71891	Rsa1.0.00023.1	600	194764	0	589	598	98 +	3	600	139435	140030
UN71892	Rsa1.0.00601.1	625	177045	0	597	625	95 +	1	625	134183	134805
UN71893	Rsa1.0.01148.1	179	52375	1.00E-70	169	179	94 +	1	179	27932	28109
UN71894	Rsa1.0.00295.1	737	152597	5.00E-67	208	236	88 +	434	648	140435	140670
UN71895	Rsa1.0.00467.1	173	156542	1.00E-67	165	174	94 -	1	173	129148	129320
UN71896	Rsa1.0.02054.1	398	35548	1.00E-100	238	252	94 -	1	251	34397	34644
UN71897	Rsa1.0.02051.1	620	35564	0	385	385	100 -	2	386	25312	25696
UN71898	Rsa1.0.00278.1	757	231896	1.00E-126	251	258	97 -	1	258	150438	150695
UN71899	Rsa1.0.00028.1	771	293984	3.00E-96	203	211	96 -	325	535	276682	276892
UN71900	Rsa1.0.00006.1	661	396176	0	478	483	98 +	179	661	271218	271700
UN71901	Rsa1.0.00067.1	294	415055	4.00E-90	232	252	92 +	2	252	377781	378032
UN71902	Rsa1.0.00456.1	165	82826	1.00E-64	149	157	94 +	3	159	65995	66151
UN71903	Rsa1.0.03835.1	485	20567	0	468	489	95 -	1	481	8226	8714
UN71904	Rsa1.0.04247.1	754	18295	0	718	758	94 +	1	754	406	1162
UN71905	Rsa1.0.00021.1	585	263655	1.00E-103	251	268	93 +	2	268	17635	17898
UN71906	Rsa1.0.00964.1	649	316648	0	431	455	94 +	5	445	3929	4381
UN71907	Rsa1.0.09551.1	253	6294	1.00E-104	229	240	95 -	15	253	5578	5817
UN71908	Rsa1.0.02966.1	351	135126	1.00E-167	334	346	96 -	6	351	18120	18465
UN71909	Rsa1.0.10673.1	403	5760	1.00E-157	321	333	96 -	66	398	5187	5518
UN71910	Rsa1.0.02987.1	713	26196	0	542	574	94 +	1	563	24903	25473
UN71911	Rsa1.0.02896.1	654	26970	1.00E-151	283	287	98 -	1	287	23027	23313
UN71912	Rsa1.0.00092.1	427	659932	6.00E-84	186	193	96 +	23	212	314878	315070
UN71913	Rsa1.0.01666.1	696	173972	2.00E-85	313	361	86 +	23	364	13200	13542
UN71914	Rsa1.0.01094.1	114	167285	2.00E-34	104	114	91 -	1	114	12635	12748

UN71915	Rsa1.0.00376.1	251	90101	1.00E-134	248	250	99 -	2	251	69745	69994
UN71916	Rsa1.0.08078.1	267	7944	7.00E-98	236	251	94 -	21	267	2609	2858
UN71917	Rsa1.0.00020.1	280	283099	9.00E-45	125	136	91 +	145	280	76615	76750
UN71918	Rsa1.0.01525.1	308	43925	1.00E-169	306	308	99 +	1	308	3914	4221
UN71919	Rsa1.0.00437.1	325	84879	1.00E-150	284	289	98 -	37	325	62795	63083
UN71920	Rsa1.0.00010.1	661	294827	0	603	664	90 +	21	661	210889	211541
UN71921	Rsa1.0.00480.1	330	81325	1.00E-108	296	330	89 -	1	330	37865	38170
UN71922	Rsa1.0.00044.1	677	271658	1.00E-125	271	280	96 +	3	280	176770	177047
UN71923	Rsa1.0.02070.1	685	158516	4.00E-49	246	288	85 +	2	285	139999	140275
UN71924	Rsa1.0.09813.1	734	6138	1.00E-149	302	314	96 +	105	411	188	501
UN71925	Rsa1.0.00187.1	473	393093	1.00E-159	378	406	93 +	10	407	32739	33141
UN71926	Rsa1.0.01724.1	187	40292	3.00E-68	173	187	92 -	1	187	37521	37707
UN71927	Rsa1.0.00556.1	773	207212	0	745	777	95 -	2	773	182018	182793
UN71928	Rsa1.0.01482.1	435	44855	0	426	434	98 +	1	432	41491	41924
UN71929	Rsa1.0.02157.1	486	149652	1.00E-111	222	227	97 +	3	227	145655	145881
UN71930	Rsa1.0.00562.1	239	75565	1.00E-125	234	235	99 -	6	239	14260	14494
UN71931	Rsa1.0.00049.1	740	167018	0	715	734	97 -	3	730	25760	26491
UN71932	Rsa1.0.02841.1	707	27383	0	396	410	96 -	270	678	18905	19314
UN71933	Rsa1.0.00079.1	657	606987	0	636	655	97 +	3	657	551378	552032
UN71934	Rsa1.0.00304.1	653	97429	0	367	370	99 +	3	372	92759	93128
UN71935	Rsa1.0.00013.1	564	292129	0	477	495	96 -	3	490	143915	144406
UN71936	Rsa1.0.00327.1	445	94892	0	416	442	94 +	1	433	61809	62248
UN71937	Rsa1.0.00978.1	122	57739	3.00E-39	113	122	92 -	2	122	14338	14459
UN71938	Rsa1.0.09320.1	377	6457	1.00E-155	303	311	97 -	70	377	1493	1803
UN71939	Rsa1.0.05000.1	727	15178	1.00E-174	369	393	93 -	231	604	1110	1499
UN71940	Rsa1.0.01597.1	637	42555	0	598	602	99 +	1	602	18618	19219
UN71941	Rsa1.0.01884.1	157	37659	9.00E-53	144	157	91 +	1	157	14679	14835
UN71942	Rsa1.0.04073.1	171	19238	8.00E-41	91	93	97 -	1	93	10008	10100
UN71943	Rsa1.0.01674.1	468	168300	1.00E-137	286	298	95 -	171	468	3327	3621
UN71944	Rsa1.0.00502.1	825	204180	1.00E-130	321	345	93 -	485	825	59513	59854
UN71945	Rsa1.0.00467.1	365	156542	1.00E-114	231	238	97 +	2	236	102980	103217
UN71946	Rsa1.0.00190.1	671	318240	1.00E-170	409	442	92 -	1	429	210052	210488
UN71947	Rsa1.0.02969.1	731	26390	1.00E-180	351	359	97 -	2	357	13425	13783
UN71948	Rsa1.0.00222.1	687	172263	1.00E-106	213	219	97 +	469	687	139600	139818
UN71949	Rsa1.0.00065.1	356	454616	1.00E-164	348	367	94 +	1	356	194585	194951
UN71950	Rsa1.0.00890.1	720	323870	0	699	721	96 +	1	720	199956	200676
UN71951	Rsa1.0.01226.1	684	50316	0	648	689	94 +	1	684	8655	9333
UN71952	#	#	#	#	#	#	#	#	#	#	#
UN71953	Rsa1.0.01544.1	745	185602	0	671	682	98 +	2	683	33022	33703

UN71954	Rsa1.0.07689.1	368	8790	1.00E-177	353	366	96 -	1	366	3416	3781
UN71955	Rsa1.0.00063.1	672	156150	0	543	556	97 +	120	672	63115	63669
UN71956	Rsa1.0.02840.1	712	27386	0	708	712	99 -	1	712	20447	21158
UN71957	Rsa1.0.35857.1	555	630	1.00E-121	283	301	94 -	2	296	1	301
UN71958	Rsa1.0.03156.1	658	24956	0	387	396	97 +	264	658	12121	12514
UN71959	Rsa1.0.00981.1	771	57700	1.00E-132	255	260	98 -	3	262	15605	15864
UN71960	Rsa1.0.00214.1	770	107508	0	519	533	97 -	243	767	58667	59199
UN71961	Rsa1.0.00179.1	669	393324	0	534	549	97 -	121	669	368578	369125
UN71962	Rsa1.0.00179.1	813	393324	6.00E-61	132	136	97 -	83	218	215537	215672
UN71963	Rsa1.0.02462.1	738	31158	0	704	723	97 -	2	720	8749	9471
UN71964	Rsa1.0.05538.1	685	13393	0	503	516	97 -	3	518	5161	5675
UN71965	Rsa1.0.01254.1	374	49801	1.00E-164	349	367	95 -	2	368	13794	14153
UN71966	Rsa1.0.08949.1	303	6759	3.00E-11	45	48	93 -	53	100	6353	6400
UN71967	Rsa1.0.04507.1	776	17045	0	590	599	98 +	3	601	7809	8407
UN71968	Rsa1.0.00295.1	784	152597	0	461	479	96 -	2	480	141018	141494
UN71969	Rsa1.0.00128.1	705	228675	7.00E-60	141	148	95 -	2	146	219511	219658
UN71970	Rsa1.0.01831.1	667	38628	2.00E-84	226	253	89 -	285	537	31185	31413
UN71971	Rsa1.0.00626.1	751	71582	0	421	441	95 -	2	438	65582	66020
UN71972	Rsa1.0.00220.1	717	192936	0	570	620	91 -	119	716	16601	17216
UN71973	Rsa1.0.38227.1	797	589	1.00E-171	328	335	97 +	44	376	1	335
UN71974	Rsa1.0.00469.1	286	82084	3.00E-88	197	205	96 -	66	268	45982	46186
UN71975	Rsa1.0.00123.1	706	325650	0	524	524	100 +	183	706	140015	140538
UN71976	Rsa1.0.00467.1	619	156542	0	600	624	96 +	2	619	127897	128515
UN71977	Rsa1.0.08613.1	689	7128	1.00E-125	295	316	93 +	379	689	6772	7087
UN71978	Rsa1.0.01740.1	796	39986	1.00E-147	297	305	97 +	381	683	29745	30049
UN71979	Rsa1.0.00671.1	764	397884	0	623	637	97 +	135	763	168113	168749
UN71980	Rsa1.0.00577.1	643	174827	1.00E-120	318	345	92 -	2	340	159219	159552
UN71981	Rsa1.0.00867.1	815	61635	6.00E-67	173	186	93 +	460	645	17892	18071
UN71982	Rsa1.0.00597.1	784	73445	0	675	693	97 +	94	784	9952	10644
UN71983	Rsa1.0.00662.1	670	192183	0	562	597	94 +	3	594	1272	1856
UN71984	Rsa1.0.00087.1	768	761073	0	428	439	97 +	329	765	213537	213975
UN71985	Rsa1.0.06135.1	550	11660	1.00E-120	231	235	98 -	316	550	2189	2423
UN71986	Rsa1.0.03498.1	813	22480	1.00E-137	268	275	97 +	30	304	13439	13713
UN71987	Rsa1.0.00136.1	594	122464	1.00E-121	259	271	95 -	36	306	62177	62439
UN71988	Rsa1.0.03826.1	662	20614	0	471	492	95 -	3	488	4582	5073
UN71989	Rsa1.0.00005.1	624	353093	1.00E-150	278	281	98 -	48	328	305610	305890
UN71990	Rsa1.0.00010.1	765	294827	1.00E-167	456	508	89 -	264	764	90344	90830
UN71991	Rsa1.0.01026.1	632	171624	0	604	633	95 -	3	632	19811	20432
UN71992	Rsa1.0.01731.1	672	40208	1.00E-155	310	320	96 +	3	319	34820	35139

UN71993	Rsa1.0.37863.1	785	595	0	588	595	98 -	90	683	1	595
UN71994	Rsa1.0.02064.1	766	35476	3.00E-78	155	157	98 +	337	493	15074	15230
UN71995	Rsa1.0.01713.1	736	40564	3.00E-68	141	144	97 -	273	416	31353	31496
UN71996	Rsa1.0.01285.1	707	172709	0	377	385	97 +	2	386	24513	24897
UN71997	Rsa1.0.00589.1	645	209965	1.00E-153	321	336	95 +	310	642	152119	152454
UN71998	Rsa1.0.01029.1	617	256254	1.00E-144	265	267	99 +	2	268	22453	22719
UN71999	Rsa1.0.00663.1	274	164969	1.00E-120	236	242	97 +	1	242	147981	148222
UN72000	Rsa1.0.00220.1	709	192936	1.00E-141	281	290	96 +	236	525	180039	180328
UN72001	Rsa1.0.01110.1	743	195852	0	600	623	96 +	121	743	27303	27924
UN72002	Rsa1.0.05938.1	758	12173	0	602	609	98 +	153	758	2089	2697
UN72003	Rsa1.0.02384.1	522	31917	0	476	516	92 -	17	522	14278	14787
UN72004	Rsa1.0.01656.1	606	41494	1.00E-163	311	317	98 +	293	606	346	662
UN72005	Rsa1.0.00480.1	773	81325	0	751	773	97 +	2	768	36994	37765
UN72006	Rsa1.0.00646.1	726	70473	7.00E-57	116	117	99 -	150	266	7393	7509
UN72007	Rsa1.0.02382.1	688	31969	0	366	367	99 -	111	477	28673	29039
UN72008	Rsa1.0.00604.1	778	146282	4.00E-83	169	173	97 +	412	584	78519	78691
UN72009	Rsa1.0.01163.1	795	51946	1.00E-163	438	491	89 +	16	490	3089	3558
UN72010	Rsa1.0.03125.1	578	147978	1.00E-162	331	344	96 -	194	537	139075	139415
UN72011	Rsa1.0.01413.1	607	46275	9.00E-90	305	352	86 +	270	607	39702	40038
UN72012	Rsa1.0.02157.1	666	149652	0	433	454	95 -	80	530	147090	147540
UN72013	Rsa1.0.00959.1	600	58202	1.00E-114	242	253	95 +	118	370	16283	16535
UN72014	Rsa1.0.00562.1	726	75565	0	686	749	91 +	2	726	12937	13685
UN72015	Rsa1.0.11072.1	633	5625	0	591	616	95 +	16	630	3429	4032
UN72016	Rsa1.0.00218.1	774	201480	1.00E-120	239	244	97 +	188	430	172495	172738
UN72017	Rsa1.0.01682.1	672	41090	1.00E-154	320	335	95 +	82	410	8623	8957
UN72018	Rsa1.0.00265.1	724	220635	1.00E-123	301	321	93 +	408	724	197596	197912
UN72019	Rsa1.0.00044.1	269	271658	4.00E-44	106	111	95 -	159	269	69670	69780
UN72020	Rsa1.0.00379.1	280	89865	1.00E-129	267	277	96 +	2	276	84944	85220
UN72021	Rsa1.0.08018.1	757	8075	1.00E-147	325	347	93 +	192	538	5142	5477
UN72022	Rsa1.0.00167.1	771	116000	0	736	775	94 -	2	771	38301	39070
UN72023	Rsa1.0.16617.1	653	2088	1.00E-42	165	190	86 +	113	302	279	464
UN72024	Rsa1.0.04043.1	731	19416	1.00E-123	251	260	96 -	5	264	10615	10868
UN72025	Rsa1.0.04116.1	218	18971	1.00E-113	216	218	99 +	2	218	10759	10976
UN72026	Rsa1.0.00757.1	769	65559	5.00E-86	174	178	97 +	2	179	33527	33704
UN72027	Rsa1.0.00489.1	540	80434	1.00E-154	303	310	97 +	234	539	45526	45835
UN72028	Rsa1.0.00473.1	751	212204	1.00E-180	364	379	96 +	3	381	14498	14876
UN72029	Rsa1.0.00522.1	675	78103	2.00E-85	161	161	100 +	153	313	57517	57677
UN72030	Rsa1.0.00006.1	209	396176	2.00E-94	201	209	96 -	1	209	272479	272684
UN72031	Rsa1.0.00067.1	793	415055	0	380	394	96 -	333	723	378119	378512

UN72032	Rsa1.0.03464.1	748	22715	1.00E-134	267	274	97 -	171	441	15769	16039
UN72033	Rsa1.0.00551.1	643	76227	2.00E-91	209	219	95 +	426	642	28618	28836
UN72034	Rsa1.0.10673.1	715	5760	1.00E-156	366	395	92 +	3	391	3717	4102
UN72035	Rsa1.0.01769.1	662	39568	1.00E-175	385	411	93 +	7	407	32161	32571
UN72036	Rsa1.0.12259.1	735	5273	1.00E-176	337	345	97 +	149	493	487	831
UN72037	Rsa1.0.02449.1	745	31292	0	382	385	99 +	188	572	10751	11135
UN72038	Rsa1.0.02896.1	734	26970	1.00E-141	285	294	96 +	427	719	22742	23035
UN72039	Rsa1.0.00002.1	747	601661	1.00E-108	249	265	93 -	3	264	400637	400901
UN72040	Rsa1.0.00020.1	444	283099	1.00E-124	261	273	95 -	80	352	76615	76887
UN72041	Rsa1.0.03375.1	260	23332	2.00E-70	141	143	98 -	1	143	7874	8016
UN72042	Rsa1.0.00008.1	623	358124	0	439	446	98 -	3	448	251811	252256
UN72043	Rsa1.0.00605.1	409	73199	1.00E-141	272	278	97 +	132	409	27650	27927
UN72044	Rsa1.0.08027.1	702	8058	2.33E-156	318	334	95 +	7	339	1274	1606
UN72045	Rsa1.0.01436.1	120	45894	7.00E-19	57	60	95 -	1	60	27910	27969
UN72046	Rsa1.0.02182.1	570	34172	1.00E-154	502	582	86 -	3	570	24515	25046
UN72047	Rsa1.0.00997.1	620	57190	6.00E-85	181	188	96 +	386	573	51745	51932
UN72048	Rsa1.0.00472.1	555	398134	1.00E-109	231	240	96 -	38	276	297665	297904
UN72049	Rsa1.0.00385.1	643	89160	0	410	419	97 -	2	420	15758	16176
UN72050	Rsa1.0.01559.1	642	43262	2.00E-78	167	173	96 +	389	561	2268	2440
UN72051	Rsa1.0.00923.1	721	153678	0	425	433	98 -	187	619	39894	40326
UN72052	Rsa1.0.00394.1	811	148426	0	651	680	95 -	126	802	125670	126349
UN72053	Rsa1.0.02036.1	600	35731	0	582	605	96 +	2	600	24515	25119
UN72054	Rsa1.0.00154.1	798	189461	0	703	741	94 -	1	736	105874	106614
UN72055	Rsa1.0.02996.1	614	26152	0	580	622	93 -	2	614	21988	22609
UN72056	Rsa1.0.00426.1	685	85668	0	672	685	98 +	1	685	9149	9833
UN72057	Rsa1.0.00002.1	611	601661	0	364	374	97 +	238	611	230786	231159
UN72058	Rsa1.0.00094.1	817	139042	0	470	503	93 -	332	811	8431	8933
UN72059	Rsa1.0.03133.1	455	25135	2.00E-74	160	166	96 +	225	390	11284	11449
UN72060	Rsa1.0.00099.1	754	159619	0	472	520	90 -	175	673	33756	34260
UN72061	Rsa1.0.11500.1	662	5484	1.00E-161	303	308	98 -	352	659	335	642
UN72062	Rsa1.0.10315.1	559	5891	4.00E-95	189	193	97 +	248	440	5685	5877
UN72063	Rsa1.0.00978.1	146	57739	1.00E-60	141	146	96 +	3	146	13380	13525
UN72064	Rsa1.0.01740.1	644	39986	0	618	643	96 +	2	644	17739	18381
UN72065	Rsa1.0.00797.1	271	63959	1.00E-120	261	273	95 -	1	271	60886	61156
UN72066	Rsa1.0.00321.1	426	95671	2.00E-68	221	252	87 +	169	409	56950	57188
UN72067	Rsa1.0.00025.1	592	277312	0	571	590	96 +	3	592	52183	52772
UN72068	Rsa1.0.01441.1	720	45790	4.00E-89	173	175	98 +	131	305	30012	30186
UN72069	Rsa1.0.07207.1	805	9720	1.00E-151	304	315	96 -	222	536	8629	8943
UN72070	Rsa1.0.03697.1	756	21304	1.00E-154	294	300	98 -	125	424	17681	17980

UN72071	Rsa1.0.00117.1	613	213118	0	496	511	97 -	1	508	76239	76749
UN72072	Rsa1.0.02663.1	805	169243	0	771	808	95 +	3	805	22877	23684
UN72073	Rsa1.0.00206.1	272	109040	2.00E-70	181	200	90 -	2	185	47088	47287
UN72074	Rsa1.0.03925.1	673	20025	0	360	367	98 +	307	673	3446	3812
UN72075	Rsa1.0.00994.1	826	165189	0	409	424	96 -	330	747	1387	1810
UN72076	Rsa1.0.20801.1	749	1268	0	370	376	98 -	378	749	539	914
UN72077	Rsa1.0.00796.1	715	63997	1.00E-127	234	235	99 -	3	237	56190	56424
UN72078	Rsa1.0.00016.1	761	831256	0	501	514	97 -	251	761	696475	696988
UN72079	Rsa1.0.00196.1	748	109960	1.00E-106	210	215	97 +	3	217	83236	83450
UN72080	Rsa1.0.00059.1	244	159650	1.00E-123	239	244	97 +	1	244	84927	85170
UN72081	Rsa1.0.00336.1	830	445051	1.00E-104	199	201	99 -	151	351	1501	1701
UN72082	Rsa1.0.01855.1	794	38204	1.00E-120	259	272	95 +	55	326	9032	9303
UN72083	Rsa1.0.01431.1	785	167877	0	390	398	97 +	389	783	157522	157918
UN72084	Rsa1.0.14639.1	836	3198	1.00E-108	221	228	96 -	210	437	1011	1238
UN72085	Rsa1.0.02550.1	725	291051	1.00E-158	307	315	97 -	107	421	275718	276032
UN72086	Rsa1.0.00208.1	700	108565	0	510	547	93 +	160	700	27068	27611
UN72087	Rsa1.0.02023.1	694	35922	1.00E-120	220	220	100 -	3	222	15898	16117
UN72088	Rsa1.0.00116.1	690	365886	1.00E-109	224	232	96 +	192	423	314964	315195
UN72089	Rsa1.0.05553.1	699	13344	0	465	475	97 -	1	475	11472	11946
UN72090	Rsa1.0.14932.1	712	2956	1.00E-89	191	196	97 +	511	704	633	828
UN72091	Rsa1.0.00423.1	645	86138	1.00E-131	472	550	85 -	138	645	39670	40212
UN72092	Rsa1.0.00247.1	362	103408	1.00E-154	316	327	96 -	2	327	20176	20501
UN72093	Rsa1.0.00979.1	811	57733	4.00E-34	140	159	88 -	602	758	1232	1390
UN72094	Rsa1.0.00718.1	768	279335	1.00E-101	215	222	96 +	551	768	13813	14034
UN72095	Rsa1.0.01360.1	692	47246	0	417	439	94 -	261	692	41356	41791
UN72096	Rsa1.0.00860.1	781	61789	1.00E-135	263	269	97 +	194	462	16955	17223
UN72097	Rsa1.0.27325.1	265	857	1.00E-135	259	264	98 +	6	265	456	719
UN72098	Rsa1.0.01907.1	390	37431	1.00E-112	221	225	98 -	166	390	30198	30421
UN72099	Rsa1.0.00899.1	767	60404	3.00E-28	124	141	87 -	595	734	22304	22443
UN72100	Rsa1.0.01462.1	608	45231	3.00E-83	199	212	93 -	3	214	25946	26155
UN72101	Rsa1.0.00355.1	660	92038	0	506	547	92 -	115	652	77903	78429
UN72102	Rsa1.0.02748.1	779	28242	0	599	646	92 +	140	776	11140	11772
UN72103	Rsa1.0.00012.1	288	222148	4.00E-56	117	119	98 +	32	150	150221	150339
UN72104	Rsa1.0.00387.1	674	495407	2.00E-20	70	76	92 -	194	269	87494	87569
UN72105	Rsa1.0.04646.1	748	16541	1.00E-83	164	166	98 +	161	326	9517	9682
UN72106	Rsa1.0.02820.1	634	27629	0	487	488	99 +	147	634	1548	2035
UN72107	Rsa1.0.00529.1	673	77487	1.00E-147	291	300	97 -	203	502	21073	21372
UN72108	Rsa1.0.06346.1	764	11203	1.00E-180	388	409	94 +	347	750	4198	4596
UN72109	Rsa1.0.18364.1	686	1614	2.00E-85	200	212	94 -	475	686	686	895

UN72110	Rsa1.0.01556.1	115	163858	1.00E-50	110	113	97 -	3	115	162665	162777
UN72111	Rsa1.0.02414.1	775	31625	1.00E-102	205	209	98 -	560	767	20274	20482
UN72112	Rsa1.0.24982.1	791	957	1.00E-116	268	285	94 +	296	579	677	957
UN72113	Rsa1.0.02478.1	691	150183	2.00E-97	191	193	98 -	206	397	132913	133105
UN72114	Rsa1.0.00110.1	801	132719	1.00E-98	183	183	100 +	255	437	93859	94041
UN72115	Rsa1.0.01799.1	756	39127	0	681	708	96 -	53	756	9106	9813
UN72116	Rsa1.0.00144.1	334	120708	1.00E-143	329	342	96 -	1	334	111566	111907
UN72117	Rsa1.0.00104.1	742	368722	0	474	481	98 -	261	738	43240	43720
UN72118	Rsa1.0.00008.1	525	358124	1.00E-170	309	311	99 +	215	525	250704	251014
UN72119	Rsa1.0.00223.1	572	106231	1.00E-162	295	297	99 -	2	298	65148	65444
UN72120	Rsa1.0.00248.1	707	163568	1.00E-121	239	245	97 -	460	704	100588	100832
UN72121	Rsa1.0.01068.1	711	55208	1.00E-140	261	264	98 +	201	464	52907	53170
UN72122	Rsa1.0.00015.1	658	561803	1.00E-180	323	324	99 -	107	430	193913	194236
UN72123	Rsa1.0.01077.1	601	54772	1.00E-121	234	237	98 -	365	601	25098	25333
UN72124	Rsa1.0.24194.1	690	1001	1.00E-111	237	247	95 -	17	261	656	902
UN72125	Rsa1.0.00810.1	755	63289	1.00E-117	234	239	97 -	518	755	7706	7944
UN72126	Rsa1.0.00045.1	380	328694	1.00E-153	363	390	93 -	2	380	131813	132201
UN72127	Rsa1.0.02038.1	770	35715	1.00E-126	235	237	99 -	2	238	6640	6876
UN72128	Rsa1.0.00016.1	739	831256	6.00E-70	165	175	94 +	397	571	663018	663192
UN72129	Rsa1.0.01674.1	729	168300	0	377	390	96 +	336	722	2860	3249
UN72130	Rsa1.0.00522.1	754	78103	1.00E-107	225	232	96 +	519	747	49920	50151
UN72131	Rsa1.0.01185.1	501	149842	7.00E-41	113	122	92 -	314	435	110406	110527
UN72132	Rsa1.0.00914.1	713	59880	2.00E-42	89	89	100 +	524	612	38192	38280
UN72133	Rsa1.0.03645.1	712	21599	1.00E-101	193	195	98 -	418	612	13810	14004
UN72134	Rsa1.0.38003.1	570	593	3.00E-65	130	131	99 +	440	570	237	367
UN72135	Rsa1.0.00001.1	544	363028	1.00E-136	266	273	97 -	78	350	265418	265690
UN72136	Rsa1.0.00038.1	705	314568	0	680	704	96 -	2	701	166461	167155
UN72137	Rsa1.0.02231.1	803	33661	0	770	811	94 +	2	800	30166	30973
UN72138	Rsa1.0.03241.1	760	24423	0	705	732	96 -	2	730	11093	11824
UN72139	Rsa1.0.03506.1	593	22416	0	550	571	96 +	29	591	8413	8980
UN72140	Rsa1.0.00501.1	755	79545	1.00E-117	235	242	97 +	152	393	65214	65455
UN72141	Rsa1.0.00110.1	716	132719	1.00E-141	292	303	96 +	170	472	3903	4204
UN72142	Rsa1.0.01828.1	770	38681	0	763	775	98 +	2	770	36313	37087
UN72143	Rsa1.0.00078.1	539	175053	1.00E-177	348	357	97 -	186	539	40458	40813
UN72144	Rsa1.0.00278.1	789	231896	0	415	439	94 +	3	435	22583	23012
UN72145	Rsa1.0.03937.1	676	19969	1.00E-92	176	177	99 -	3	179	5147	5323
UN72146	Rsa1.0.17508.1	683	1813	2.00E-78	245	276	88 +	34	309	1191	1464
UN72147	Rsa1.0.02606.1	802	29635	1.00E-92	202	212	95 +	56	267	5992	6197
UN72148	Rsa1.0.03434.1	662	22960	0	508	509	99 -	155	662	17503	18011

UN72149	Rsa1.0.01602.1	601	42503	0	475	485	97 -	3	487	40981	41463
UN72150	Rsa1.0.00964.1	692	316648	0	671	691	97 -	2	692	5005	5695
UN72151	Rsa1.0.01632.1	657	181224	4.00E-12	59	66	89 +	423	488	18735	18800
UN72152	Rsa1.0.00331.1	760	176754	1.00E-153	284	287	98 -	318	604	99092	99378
UN72153	Rsa1.0.11528.1	719	5478	0	415	420	98 -	2	421	164	583
UN72154	Rsa1.0.00476.1	750	280966	1.00E-144	292	303	96 -	294	596	246593	246895
UN72155	Rsa1.0.00838.1	653	153820	3.00E-77	162	167	97 -	487	653	147907	148073
UN72156	Rsa1.0.01331.1	566	47944	0	471	492	95 -	75	566	23249	23734
UN72157	Rsa1.0.18346.1	690	1617	0	409	414	98 -	9	422	962	1375
UN72158	Rsa1.0.00437.1	611	84879	0	574	594	96 +	19	611	49774	50363
UN72159	Rsa1.0.47369.1	736	477	1.00E-136	296	309	95 -	417	723	171	477
UN72160	Rsa1.0.00424.1	287	86005	2.00E-49	107	108	99 -	3	110	77825	77931
UN72161	Rsa1.0.00041.1	582	186197	0	337	339	99 -	244	582	56660	56998
UN72162	Rsa1.0.00005.1	696	353093	0	595	634	93 +	60	692	55339	55951
UN72163	Rsa1.0.07327.1	678	9549	1.00E-167	316	322	98 +	357	678	4858	5179
UN72164	Rsa1.0.00327.1	701	94892	0	553	584	94 -	1	582	70801	71372
UN72165	Rsa1.0.05410.1	753	13840	0	484	529	91 -	3	510	6327	6840
UN72166	Rsa1.0.02136.1	659	34707	1.00E-111	235	244	96 -	393	636	9202	9444
UN72167	Rsa1.0.00736.1	621	66455	0	605	624	96 +	2	621	56796	57419
UN72168	Rsa1.0.01090.1	770	54385	0	518	539	96 -	6	544	28177	28715
UN72169	Rsa1.0.00915.1	666	194446	1.00E-177	327	330	99 -	338	666	54112	54441
UN72170	Rsa1.0.00237.1	702	235974	1.00E-118	237	244	97 +	5	248	4728	4971
UN72171	Rsa1.0.03820.1	300	20664	5.00E-68	148	151	98 -	2	151	5679	5828
UN72172	Rsa1.0.10471.1	717	5836	0	690	715	96 +	3	717	101	815
UN72173	Rsa1.0.03818.1	687	20668	1.00E-106	202	204	99 +	118	321	10043	10246
UN72174	Rsa1.0.01539.1	748	43698	1.00E-166	304	305	99 +	3	306	3617	3921
UN72175	Rsa1.0.38173.1	625	590	1.00E-132	286	299	95 -	318	615	9	305
UN72176	Rsa1.0.00421.1	511	86365	1.00E-121	247	253	97 -	261	511	81275	81527
UN72177	Rsa1.0.03820.1	282	20664	3.00E-17	66	70	94 -	105	174	7385	7452
UN72178	Rsa1.0.00278.1	601	231896	1.00E-125	246	252	97 -	350	601	84751	85002
UN72179	Rsa1.0.01112.1	623	310601	1.00E-113	232	240	96 +	384	623	31685	31924
UN72180	Rsa1.0.03706.1	593	21255	6.00E-97	229	246	93 +	3	239	9964	10206
UN72181	Rsa1.0.00485.1	644	80937	1.00E-126	260	269	96 +	130	398	27885	28152
UN72182	Rsa1.0.00015.1	638	561803	1.00E-102	195	197	98 -	352	548	207135	207331
UN72183	Rsa1.0.04773.1	253	16037	1.00E-65	130	131	99 +	2	132	7829	7959
UN72184	Rsa1.0.02581.1	674	29896	0	429	440	97 +	74	511	29274	29713
UN72185	Rsa1.0.00065.1	459	454616	2.00E-93	192	198	96 +	262	459	254496	254693
UN72186	Rsa1.0.00380.1	652	89748	0	605	663	91 +	13	652	7443	8094
UN72187	Rsa1.0.02754.1	664	28213	4.00E-83	184	193	95 +	10	202	12757	12949

UN72188	Rsa1.0.08172.1	712	7793	0	424	437	97 +	262	695	4864	5300
UN72189	Rsa1.0.00041.1	359	186197	1.00E-160	343	359	95 +	2	359	167703	168056
UN72190	Rsa1.0.04741.1	806	16164	1.00E-123	303	327	92 +	3	320	5287	5604
UN72191	Rsa1.0.00108.1	787	478491	1.00E-95	187	190	98 +	223	412	419082	419271
UN72192	Rsa1.0_12636.1	748	5168	1.00E-149	434	487	89 -	111	584	4033	4514
UN72193	Rsa1.0_00018.1	789	410899	1.00E-144	296	306	96 -	7	310	175462	175766
UN72194	Rsa1.0.08846.1	823	6867	4.00E-74	201	213	94 -	554	759	4373	4585
UN72195	Rsa1.0.08717.1	789	7008	1.00E-86	166	167	99 +	42	208	370	536
UN72196	Rsa1.0.09299.1	783	6476	0	759	789	96 -	2	783	4067	4849
UN72197	Rsa1.0.03356.1	543	23487	1.00E-164	320	328	97 +	154	480	1225	1552
UN72198	Rsa1.0.00312.1	736	96765	0	466	480	97 +	166	645	57367	57846
UN72199	Rsa1.0.00343.1	691	93570	1.00E-149	331	349	94 -	135	481	89079	89423
UN72200	Rsa1.0.01370.1	226	47093	2.00E-73	152	156	97 +	3	158	8444	8599
UN72201	Rsa1.0.00890.1	764	323870	1.00E-170	346	357	96 -	3	359	201460	201811
UN72202	Rsa1.0.02840.1	737	27386	0	733	735	99 +	3	737	19686	20419
UN72203	Rsa1.0.00381.1	707	89718	1.00E-155	316	328	96 -	49	373	32508	32835
UN72204	Rsa1.0.18964.1	814	1503	1.00E-144	278	284	97 -	32	315	1220	1503
UN72205	Rsa1.0_13593.1	332	4685	1.00E-114	226	232	97 +	101	332	2590	2821
UN72206	#	#	#	#	#	#	#	#	#	#	#
UN72207	Rsa1.0.05541.1	663	139959	1.00E-159	293	296	98 -	3	298	134704	134999
UN72208	Rsa1.0.00270.1	426	101236	1.00E-126	256	265	96 -	162	426	496	760
UN72209	Rsa1.0.00108.1	499	478491	1.00E-125	249	256	97 +	2	257	283947	284202
UN72210	Rsa1.0.00527.1	714	77733	1.00E-73	174	185	94 -	249	433	55478	55662
UN72211	Rsa1.0.00016.1	394	831256	0	389	394	98 +	2	394	374480	374873
UN72212	Rsa1.0.00348.1	739	92818	1.00E-101	217	226	96 +	406	628	39112	39337
UN72213	Rsa1.0.00386.1	569	89134	2.00E-44	101	104	97 +	424	527	28362	28465
UN72214	Rsa1.0.02217.1	654	33812	0	651	655	99 -	1	654	31192	31845
UN72215	Rsa1.0.00002.1	772	601661	0	746	778	95 -	3	772	437228	438003
UN72216	Rsa1.0.00556.1	664	207212	0	654	663	98 +	2	664	179589	180251
UN72217	Rsa1.0.03552.1	671	22151	1.00E-129	255	262	97 +	3	264	11173	11434
UN72218	Rsa1.0.00341.1	770	249309	0	673	728	92 -	4	713	82409	83121
UN72219	Rsa1.0.00067.1	737	415055	1.00E-131	271	281	96 +	231	509	226623	226903
UN72220	Rsa1.0.02937.1	650	26605	1.00E-119	218	218	100 +	145	362	8143	8360
UN72221	Rsa1.0.00168.1	667	115870	0	474	499	94 -	28	521	98954	99440
UN72222	Rsa1.0.01002.1	724	57063	0	691	716	96 +	3	718	2737	3449
UN72223	Rsa1.0.01435.1	722	45942	2.00E-91	208	218	95 +	504	718	42964	43181
UN72224	Rsa1.0.00042.1	715	171507	1.00E-30	89	93	95 +	624	715	90841	90932
UN72225	Rsa1.0.01138.1	670	190615	6.00E-85	166	168	98 -	3	170	15777	15944
UN72226	Rsa1.0.06518.1	600	10859	0	391	394	99 -	3	396	7554	7947

UN72227	Rsa1.0_04203.1	562	18479	1.00E-171	307	308	99 -	254	561	3545	3852
UN72228	Rsa1.0_01696.1	783	301850	0	716	734	97 +	51	783	38987	39720
UN72229	Rsa1.0_02600.1	497	29657	0	344	348	98 +	2	349	27377	27724
UN72230	Rsa1.0_01511.1	740	44235	0	614	616	99 -	41	656	7364	7979
UN72231	Rsa1.0_17794.1	442	1740	1.00E-126	273	285	95 +	159	442	1	284
UN72232	#	#	#	#	#	#	#	#	#	#	#
UN72233	Rsa1.0_00636.1	726	71113	0	684	692	98 +	36	723	15974	16665
UN72234	Rsa1.0_04107.1	639	19007	1.00E-118	328	366	89 +	280	638	14891	15256
UN72235	Rsa1.0_00082.1	646	237584	0	456	495	92 -	159	640	68502	68996
UN72236	Rsa1.0_00788.1	513	64237	0	487	516	94 -	1	513	43496	43999
UN72237	Rsa1.0_22703.1	379	1102	4.00E-97	189	192	98 +	18	209	600	791
UN72238	Rsa1.0_02287.1	442	32986	8.00E-65	138	142	97 +	80	221	7714	7855
UN72239	Rsa1.0_00930.1	426	59224	0	422	426	99 -	1	426	18860	19285
UN72240	Rsa1.0_00402.1	617	385315	0	615	615	100 -	3	617	272802	273416
UN72241	Rsa1.0_01561.1	677	43227	5.00E-98	197	202	97 +	465	666	8897	9098
UN72242	Rsa1.0_00037.1	696	307838	1.00E-140	270	276	97 -	108	383	57552	57827
UN72243	Rsa1.0_00556.1	399	207212	1.00E-143	297	310	95 -	1	310	38117	38426
UN72244	#	#	#	#	#	#	#	#	#	#	#
UN72245	Rsa1.0_03159.1	808	24946	0	376	380	98 +	92	471	14982	15361
UN72246	Rsa1.0_00067.1	795	415055	1.00E-153	289	294	98 -	258	551	391818	392111
UN72247	Rsa1.0_00381.1	548	89718	1.00E-148	266	266	100 +	3	268	63833	64098
UN72248	Rsa1.0_01620.1	576	42091	1.00E-152	487	558	87 +	2	559	15403	15951
UN72249	Rsa1.0_00507.1	658	79074	7.00E-94	219	233	93 -	204	436	11609	11838
UN72250	Rsa1.0_02212.1	712	33840	1.00E-157	320	334	95 -	2	335	23313	23638
UN72251	Rsa1.0_00308.1	606	96915	1.00E-79	226	252	89 +	366	602	80355	80603
UN72252	Rsa1.0_00154.1	702	189461	1.00E-101	187	187	100 -	304	490	185304	185490
UN72253	Rsa1.0_00608.1	799	172672	1.00E-111	214	217	98 -	3	219	6409	6625
UN72254	Rsa1.0_00049.1	723	167018	0	414	418	99 +	10	427	19445	19862
UN72255	Rsa1.0_00016.1	692	831256	0	570	635	89 +	29	660	17350	17944
UN72256	Rsa1.0_02841.1	835	27383	1.00E-133	309	331	93 +	117	444	23270	23600
UN72257	#	#	#	#	#	#	#	#	#	#	#
UN72258	Rsa1.0_03216.1	801	24540	1.00E-55	117	119	98 -	465	583	12558	12676
UN72259	Rsa1.0_00204.1	766	109056	2.00E-73	199	216	92 -	249	460	95019	95230
UN72260	Rsa1.0_01860.1	778	38057	1.00E-74	161	167	96 -	556	722	23461	23627
UN72261	Rsa1.0_03326.1	159	23710	3.00E-68	153	159	96 +	2	159	17338	17496
UN72262	Rsa1.0_00451.1	558	322533	1.00E-101	193	195	98 -	364	558	283490	283684
UN72263	Rsa1.0_00802.1	675	63846	2.00E-85	190	198	95 -	450	642	10361	10558
UN72264	Rsa1.0_00497.1	592	79830	2.00E-72	256	291	87 +	283	562	65195	65483
UN72265	Rsa1.0_04073.1	760	19238	1.00E-124	226	226	100 +	290	515	9240	9465

UN72266	Rsa1.0.00502.1	615	204180	1.00E-143	293	302	97 +	1	296	58455	58755
UN72267	Rsa1.0.02871.1	768	27085	2.00E-97	202	209	96 +	200	408	4450	4658
UN72268	Rsa1.0.00467.1	728	156542	0	409	425	96 -	304	728	104345	104769
UN72269	Rsa1.0.01028.1	218	56401	4.00E-74	205	226	90 -	2	218	9806	10031
UN72270	Rsa1.0.01903.1	813	37451	1.00E-147	316	324	97 -	497	813	32795	33118
UN72271	Rsa1.0.00759.1	172	65465	2.00E-29	153	179	85 -	6	172	63284	63453
UN72272	Rsa1.0.01105.1	661	53958	1.00E-111	232	240	96 -	422	661	7742	7980
UN72273	Rsa1.0.00121.1	646	278029	1.00E-170	396	427	92 -	1	427	271267	271693
UN72274	Rsa1.0.02024.1	707	149168	2.00E-94	201	208	96 +	4	211	134344	134550
UN72275	Rsa1.0.00651.1	607	247766	1.00E-119	241	250	96 +	6	255	230989	231229
UN72276	Rsa1.0.04788.1	808	15984	0	689	728	94 +	107	808	4118	4845
UN72277	Rsa1.0.01355.1	509	47303	3.00E-95	290	327	88 -	187	509	25880	26192
UN72278	Rsa1.0.01466.1	820	45161	1.00E-172	328	334	98 -	4	336	14126	14459
UN72279	Rsa1.0.02671.1	657	28887	1.00E-141	361	400	90 +	1	395	3301	3679
UN72280	Rsa1.0.08326.1	395	7534	0	392	394	99 -	2	395	2415	2808
UN72281	Rsa1.0.00296.1	748	97854	1.00E-179	439	478	91 +	27	501	16704	17163
UN72282	Rsa1.0.07914.1	603	8294	1.00E-79	230	255	90 -	268	518	6332	6579
UN72283	Rsa1.0.00168.1	110	115870	6.00E-22	59	61	96 +	50	110	39481	39541
UN72284	Rsa1.0.00055.1	532	520193	4.00E-98	211	220	95 -	4	220	395526	395745
UN72285	Rsa1.0.00085.1	655	142226	0	644	655	98 -	1	655	7443	8097
UN72286	Rsa1.0.02891.1	795	27010	1.00E-135	269	273	98 +	526	795	692	964
UN72287	Rsa1.0.14197.1	665	3674	1.00E-138	258	261	98 -	18	278	2329	2589
UN72288	Rsa1.0.00804.1	778	63726	1.00E-180	411	428	96 -	345	758	15940	16367
UN72289	Rsa1.0.01926.1	617	37206	1.00E-142	291	301	96 +	319	617	6451	6748
UN72290	Rsa1.0.02367.1	749	32106	1.00E-177	317	318	99 +	249	566	5463	5780
UN72291	Rsa1.0.02744.1	753	28268	1.00E-153	312	319	97 +	408	722	20828	21146
UN72292	Rsa1.0.00599.1	801	73418	0	551	606	90 -	222	801	60546	61145
UN72293	Rsa1.0.01898.1	781	37491	0	425	444	95 -	342	781	1593	2036
UN72294	Rsa1.0.00648.1	462	70351	1.00E-125	247	252	98 -	212	462	10103	10354
UN72295	Rsa1.0.00321.1	549	95671	1.00E-100	201	206	97 -	344	549	82672	82877
UN72296	Rsa1.0.00632.1	343	183777	2.33E-156	302	310	97 +	38	343	167237	167545
UN72297	Rsa1.0.26359.1	698	895	1.00E-121	259	271	95 +	225	492	588	858
UN72298	Rsa1.0.09832.1	764	6129	0	445	471	94 +	308	764	2536	3004
UN72299	Rsa1.0.05208.1	342	14504	1.00E-136	291	305	95 +	37	341	3908	4210
UN72300	Rsa1.0.02183.1	561	34170	7.00E-32	80	83	96 -	3	85	28624	28706
UN72301	Rsa1.0.00248.1	652	163568	0	447	457	97 +	4	460	22615	23064
UN72302	Rsa1.0.00573.1	635	74821	0	396	415	95 -	3	413	46214	46628
UN72303	Rsa1.0.00015.1	756	561803	0	356	362	98 -	4	365	255040	255401
UN72304	Rsa1.0.00108.1	138	478491	3.00E-24	97	109	88 -	32	137	59174	59279

UN72305	Rsa1.0_14063.1	428	3852	1.00E-179	399	425	93 +	5	428	2477	2901
UN72306	Rsa1.0_02347.1	759	32332	7.00E-88	189	197	95 -	139	335	20362	20558
UN72307	Rsa1.0_00008.1	627	358124	0	476	479	99 +	128	606	270334	270812
UN72308	Rsa1.0_00166.1	735	240912	0	384	394	97 -	342	735	128327	128720
UN72309	Rsa1.0_02189.1	578	34098	0	572	577	99 -	2	578	5185	5761
UN72310	Rsa1.0_01064.1	761	55295	6.00E-30	99	108	91 +	631	738	19865	19971
UN72311	Rsa1.0_00301.1	539	365315	0	453	461	98 -	1	458	320960	321420
UN72312	Rsa1.0_14689.1	765	3155	4.00E-74	172	182	94 -	433	614	2225	2406
UN72313	Rsa1.0_04998.1	773	15180	1.00E-151	356	383	92 +	3	383	14234	14607
UN72314	Rsa1.0_01537.1	771	187285	1.00E-154	331	347	95 -	374	715	175483	175826
UN72315	Rsa1.0_02494.1	513	132923	4.00E-76	181	189	95 -	321	508	6062	6248
UN72316	Rsa1.0_00409.1	268	146788	2.00E-58	151	163	92 -	96	258	146244	146406
UN72317	Rsa1.0_00047.1	534	168582	7.00E-78	197	209	94 -	321	527	165076	165279
UN72318	Rsa1.0_06764.1	806	10398	0	629	650	96 -	159	800	9363	10004
UN72319	Rsa1.0_00180.1	670	114581	1.00E-125	249	255	97 -	206	458	103588	103842
UN72320	Rsa1.0_01955.1	699	36850	0	586	597	98 +	93	688	18144	18739
UN72321	Rsa1.0_09599.1	656	6260	1.00E-121	245	249	98 -	411	656	4794	5042
UN72322	Rsa1.0_00384.1	518	89278	1.00E-155	296	302	98 +	217	518	71680	71981
UN72323	Rsa1.0_08203.1	732	7742	5.00E-98	211	220	95 -	409	625	6099	6318
UN72324	Rsa1.0_01704.1	641	40711	0	430	450	95 +	192	641	31626	32069
UN72325	Rsa1.0_00008.1	567	358124	2.00E-22	91	103	88 -	373	475	40522	40624
UN72326	Rsa1.0_05362.1	740	14049	0	716	743	96 -	3	740	4385	5124
UN72327	Rsa1.0_00119.1	675	467509	5.00E-73	152	156	97 +	389	544	330591	330746
UN72328	Rsa1.0_00100.1	699	249232	0	496	504	98 -	3	506	184859	185361
UN72329	Rsa1.0_01811.1	729	38977	3.00E-81	164	166	98 +	524	688	1187	1352
UN72330	Rsa1.0_31792.1	680	718	0	622	665	93 -	8	670	54	718
UN72331	Rsa1.0_02365.1	614	32118	0	485	493	98 +	55	541	22635	23126
UN72332	Rsa1.0_01077.1	708	54772	0	519	548	94 -	143	689	23790	24331
UN72333	Rsa1.0_01414.1	744	149508	6.00E-76	157	161	97 +	67	227	8113	8273
UN72334	Rsa1.0_01236.1	677	50156	1.00E-143	348	373	93 +	311	677	1967	2336
UN72335	Rsa1.0_02244.1	679	33494	1.00E-172	329	335	98 +	1	329	7413	7747
UN72336	Rsa1.0_00730.1	736	66673	0	697	712	97 -	28	732	7320	8031
UN72337	Rsa1.0_00324.1	554	218805	1.00E-104	211	217	97 +	338	554	37472	37688
UN72338	Rsa1.0_00888.1	474	60978	1.00E-175	373	391	95 -	86	474	54464	54854
UN72339	Rsa1.0_01450.1	712	144251	0	667	702	95 -	5	703	13836	14534
UN72340	Rsa1.0_01476.1	605	172928	5.00E-82	187	199	93 +	3	201	7914	8103
UN72341	Rsa1.0_11893.1	339	5379	6.00E-68	131	131	100 +	1	131	1715	1845
UN72342	Rsa1.0_00425.1	745	147080	0	737	750	98 -	2	745	3362	4111
UN72343	Rsa1.0_14454.1	510	3372	0	428	431	99 +	80	510	2738	3168

UN72344	Rsa1.0.01666.1	751	173972	0	466	498	93 -	1	483	14751	15242
UN72345	Rsa1.0.00990.1	751	57445	0	714	770	92 +	2	749	56004	56759
UN72346	Rsa1.0.00665.1	588	69539	0	440	452	97 +	18	468	42293	42744
UN72347	Rsa1.0.02431.1	609	31504	0	498	533	93 -	79	609	17749	18264
UN72348	Rsa1.0.06376.1	659	11135	2.00E-72	146	147	99 -	513	658	818	964
UN72349	Rsa1.0.00065.1	419	454616	0	418	419	99 -	1	419	403584	404002
UN72350	Rsa1.0.00128.1	729	228675	0	413	441	93 +	289	726	65228	65668
UN72351	Rsa1.0.01136.1	741	52724	0	512	533	96 +	203	732	4772	5303
UN72352	Rsa1.0.01767.1	640	39615	1.00E-155	278	278	100 -	3	280	15694	15971
UN72353	Rsa1.0.00028.1	794	293984	0	406	422	96 +	185	606	275174	275595
UN72354	Rsa1.0.01705.1	297	40710	3.00E-66	144	148	97 +	3	150	37221	37367
UN72355	Rsa1.0.00344.1	666	191774	0	613	615	99 +	2	616	117897	118511
UN72356	Rsa1.0.03751.1	624	21025	0	544	557	97 -	68	624	17740	18296
UN72357	Rsa1.0.00008.1	785	358124	1.00E-83	182	190	95 +	105	294	306947	307136
UN72358	Rsa1.0.01453.1	737	45449	0	708	738	95 -	2	730	7266	8003
UN72359	Rsa1.0.00571.1	674	329018	0	491	514	95 +	165	674	145042	145555
UN72360	Rsa1.0.00974.1	593	57893	1.00E-100	201	206	97 +	79	284	31389	31594
UN72361	Rsa1.0.00451.1	539	322533	1.00E-170	335	345	97 -	198	539	263709	264053
UN72362	Rsa1.0.02221.1	258	33796	4.00E-53	115	118	97 +	87	204	10684	10801
UN72363	Rsa1.0.02528.1	619	30452	1.00E-155	339	361	93 +	1	346	18580	18940
UN72364	Rsa1.0.00208.1	847	108565	0	724	740	97 -	6	744	63481	64220
UN72365	Rsa1.0.00008.1	689	358124	0	483	491	98 +	3	487	191629	192119
UN72366	Rsa1.0.00001.1	650	363028	1.00E-112	261	283	92 +	220	502	357259	357526
UN72367	Rsa1.0.02725.1	802	28404	1.00E-155	296	302	98 +	198	499	782	1083
UN72368	Rsa1.0.02223.1	479	152421	0	463	480	96 +	3	475	11558	12036
UN72369	Rsa1.0.00480.1	672	81325	1.00E-83	158	158	100 -	284	441	53673	53830
UN72370	Rsa1.0.01789.1	635	39250	0	394	394	100 +	242	635	9809	10202
UN72371	Rsa1.0.00642.1	758	201230	1.00E-67	154	159	96 -	595	751	62813	62971
UN72372	Rsa1.0.00857.1	463	61904	1.00E-177	439	481	91 -	2	463	15551	16028
UN72373	Rsa1.0.03007.1	627	26070	1.00E-129	283	299	94 -	47	345	3366	3664
UN72374	Rsa1.0.04142.1	836	18861	1.00E-154	300	308	97 +	455	762	1699	2006
UN72375	Rsa1.0.05823.1	659	12521	0	378	383	98 -	3	385	7458	7840
UN72376	Rsa1.0.00224.1	660	327530	1.00E-132	291	307	94 +	357	660	199796	200099
UN72377	Rsa1.0.01659.1	534	164577	8.00E-87	240	264	90 +	3	264	145486	145746
UN72378	Rsa1.0.00725.1	742	66757	1.00E-138	283	294	96 +	4	297	5313	5606
UN72379	Rsa1.0.08756.1	810	6955	6.00E-73	161	168	95 -	2	169	136	303
UN72380	Rsa1.0.32059.1	766	711	1.00E-117	256	269	95 -	263	531	37	302
UN72381	Rsa1.0.14655.1	754	3184	1.00E-126	278	290	95 -	468	754	2312	2601
UN72382	Rsa1.0.00473.1	699	212204	4.00E-86	180	186	96 -	237	422	48625	48810

UN72383	Rsa1.0.01691.1	784	40921	7.00E-79	153	154	99 -	149	302	16512	16665
UN72384	Rsa1.0.01180.1	754	51517	0	391	399	97 +	359	754	15191	15589
UN72385	Rsa1.0.00887.1	821	61048	1.00E-102	195	197	98 +	218	414	49405	49601
UN72386	Rsa1.0.00722.1	160	66840	1.00E-58	145	151	96 -	4	154	15932	16079
UN72387	Rsa1.0.00067.1	532	415055	1.00E-138	293	307	95 +	226	532	351902	352199
UN72388	Rsa1.0.01325.1	821	48131	0	419	427	98 +	2	428	16463	16887
UN72389	Rsa1.0.01610.1	693	42274	0	601	621	96 -	73	693	19040	19660
UN72390	Rsa1.0.00630.1	762	71281	1.00E-110	220	223	98 -	542	762	34436	34658
UN72391	Rsa1.0.00034.1	679	260119	1.00E-83	169	172	98 +	508	679	89248	89416
UN72392	Rsa1.0.07003.1	599	10045	0	534	590	90 +	28	599	592	1165
UN72393	Rsa1.0.00810.1	686	63289	0	427	447	95 +	242	686	6634	7077
UN72394	Rsa1.0.01355.1	514	47303	1.00E-138	249	249	100 +	266	514	7405	7653
UN72395	Rsa1.0.01948.1	197	36966	2.00E-14	50	53	94 -	4	56	10236	10288
UN72396	Rsa1.0.08015.1	791	8078	1.00E-131	249	253	98 -	3	255	2281	2533
UN72397	Rsa1.0.00286.1	471	98709	3.00E-83	223	239	93 +	231	465	11606	11841
UN72398	Rsa1.0.00123.1	667	325650	1.00E-169	305	306	99 -	362	667	296370	296675
UN72399	Rsa1.0.00466.1	317	82132	1.00E-122	279	295	94 -	1	295	29534	29822
UN72400	Rsa1.0.00065.1	721	454616	0	388	405	95 -	3	405	440277	440681
UN72401	Rsa1.0.00034.1	650	260119	0	617	619	99 +	1	617	118782	119400
UN72402	#	#	#	#	#	#	#	#	#	#	#
UN72403	Rsa1.0.05045.1	629	15035	0	621	627	99 -	3	629	8401	9027
UN72404	Rsa1.0.03043.1	746	130531	1.00E-110	224	230	97 +	426	654	21857	22086
UN72405	Rsa1.0.01856.1	614	38181	1.00E-136	295	308	95 +	311	614	16610	16916
UN72406	Rsa1.0.01142.1	774	52464	0	491	511	96 +	3	505	48146	48656
UN72407	Rsa1.0.03766.1	737	20970	1.00E-168	486	545	89 -	3	522	1940	2478
UN72408	Rsa1.0.02045.1	100	35650	1.00E-25	93	102	91 -	2	100	9068	9169
UN72409	Rsa1.0.02046.1	650	162733	0	359	363	98 -	288	650	32777	33139
UN72410	Rsa1.0.05049.1	268	15025	1.00E-114	255	268	95 -	2	268	4603	4869
UN72411	Rsa1.0.00758.1	568	65477	0	508	512	99 +	3	514	23437	23945
UN72412	Rsa1.0.07738.1	503	8686	0	497	505	98 +	1	503	3766	4268
UN72413	Rsa1.0.00339.1	614	222974	1.00E-154	304	312	97 -	49	360	34096	34406
UN72414	Rsa1.0.07565.1	708	9122	1.00E-157	303	309	98 +	165	473	3720	4027
UN72415	Rsa1.0.05699.1	725	12889	0	591	601	98 -	126	725	11065	11665
UN72416	Rsa1.0.05176.1	526	14588	0	502	515	97 +	12	526	13776	14290
UN72417	Rsa1.0.01920.1	743	158533	3.00E-56	134	140	95 +	490	629	151015	151153
UN72418	Rsa1.0.00667.1	544	69460	1.00E-119	284	310	91 -	4	313	38799	39091
UN72419	Rsa1.0.00264.1	795	101674	1.00E-162	301	305	98 +	1	305	68816	69120
UN72420	Rsa1.0.00612.1	713	72376	1.00E-116	222	225	98 -	348	572	65151	65375
UN72421	Rsa1.0.00711.1	121	67223	4.00E-17	45	45	100 +	75	119	26560	26604

UN72422	Rsa1.0_01442.1		540	45776	0	514	538	95 -		3	539	17939	18475
UN72423	#	#	#	#	#	#	#	#	#	#	#	#	#
UN72424	Rsa1.0_00222.1		769	172263	4.00E-80	152	152	100 +		503	654	31294	31445
UN72425	Rsa1.0_06971.1		648	10085	5.00E-67	151	158	95 -		352	509	5075	5232
UN72426	Rsa1.0_01233.1		557	50184	0	539	557	96 -		5	557	8034	8590
UN72427	Rsa1.0_04280.1		569	18110	0	534	581	91 -		3	568	6156	6734
UN72428	Rsa1.0_06716.1		683	10482	1.00E-143	326	348	93 -		2	346	4074	4421
UN72429	Rsa1.0_00065.1		681	454616	0	413	414	99 -		26	439	145453	145866
UN72430	Rsa1.0_00632.1		487	183777	8.00E-99	225	239	94 -		249	487	146106	146344
UN72431	Rsa1.0_00672.1		629	69358	2.00E-91	186	191	97 +		439	629	37764	37954
UN72432	Rsa1.0_01365.1		690	47142	0	666	693	96 -		1	690	8771	9463
UN72433	Rsa1.0_00423.1		810	86138	1.00E-172	322	327	98 -		339	665	72588	72914
UN72434	Rsa1.0_01226.1		749	50316	0	595	659	90 -		64	713	9263	9892
UN72435	Rsa1.0_01544.1		621	185602	0	360	363	99 -		2	363	34190	34552
UN72436	Rsa1.0_00666.1		775	69505	1.00E-162	385	416	92 +		291	702	8565	8977
UN72437	Rsa1.0_03062.1		624	25678	1.00E-116	219	221	99 -		2	222	8175	8395
UN72438	Rsa1.0_02575.1		801	29944	0	416	431	96 +		6	436	18991	19421
UN72439	Rsa1.0_02198.1		621	33989	1.00E-106	199	200	99 +		407	606	15922	16121
UN72440	Rsa1.0_02319.1		543	32580	3.00E-86	218	231	94 -		317	543	6514	6740
UN72441	Rsa1.0_00051.1		659	258225	0	620	662	93 -		1	659	120116	120765
UN72442	Rsa1.0_00017.1		510	752458	0	486	516	94 +		1	510	248054	248562
UN72443	Rsa1.0_02268.1		267	33172	4.00E-93	203	213	95 +		55	267	16898	17110
UN72444	Rsa1.0_00131.1		531	432233	3.00E-71	158	165	95 +		269	433	10362	10526
UN72445	Rsa1.0_02262.1		378	33239	1.00E-151	282	286	98 +		2	287	10251	10536
UN72446	Rsa1.0_05344.1		587	14103	0	528	531	99 +		59	587	9309	9839
UN72447	Rsa1.0_20334.1		604	1316	1.00E-134	245	246	99 -		63	308	816	1061
UN72448	Rsa1.0_01731.1		533	40208	1.00E-91	196	204	96 +		165	368	30318	30517
UN72449	Rsa1.0_07823.1		400	8468	1.00E-120	275	293	93 +		112	400	4559	4848
UN72450	Rsa1.0_00960.1		635	58199	0	619	635	97 -		3	635	56282	56914
UN72451	Rsa1.0_00223.1		826	106231	1.00E-132	257	263	97 +		136	398	4493	4755
UN72452	Rsa1.0_00251.1		634	303968	1.00E-142	288	298	96 +		340	634	147121	147418
UN72453	Rsa1.0_47544.1		447	476	0	430	446	96 +		3	447	18	456
UN72454	Rsa1.0_00949.1		546	58549	0	537	545	98 +		2	546	51144	51680
UN72455	Rsa1.0_02295.1		608	149884	7.00E-35	96	102	94 +		449	547	137644	137745
UN72456	Rsa1.0_00032.1		663	306326	0	399	409	97 -		17	425	238497	238905
UN72457	Rsa1.0_00523.1		557	178770	0	420	430	97 +		6	433	129687	130116
UN72458	Rsa1.0_00025.1		630	277312	0	398	399	99 +		3	401	77638	78036
UN72459	Rsa1.0_76310.1		621	301	1.00E-155	295	301	98 -		198	498	1	301
UN72460	Rsa1.0_08874.1		137	6836	9.00E-65	134	137	97 -		1	137	700	836

UN72461	Rsa1.0_00933.1	668	59164	0	506	547	92 +	2	520	35594	36137
UN72462	#	#	#	#	#	#	#	#	#	#	#
UN72463	Rsa1.0_00987.1	823	57543	2.00E-63	236	268	88 +	418	683	36322	36587
UN72464	Rsa1.0_01191.1	609	51235	0	390	394	98 -	216	609	19928	20320
UN72465	Rsa1.0_04082.1	299	19180	1.00E-34	162	193	83 +	113	289	13083	13275
UN72466	Rsa1.0_19257.1	692	1455	1.00E-150	360	390	92 -	3	392	108	487
UN72467	Rsa1.0_00565.1	748	75420	1.00E-107	210	214	98 -	471	684	11414	11627
UN72468	Rsa1.0_02340.1	265	32388	1.00E-68	234	270	86 -	2	265	19776	20025
UN72469	Rsa1.0_01569.1	743	43029	0	614	641	95 -	90	727	24174	24814
UN72470	Rsa1.0_01948.1	711	36966	0	643	657	97 +	2	658	20609	21265
UN72471	#	#	#	#	#	#	#	#	#	#	#
UN72472	Rsa1.0_07098.1	669	9896	0	645	669	96 +	2	669	8600	9268
UN72473	Rsa1.0_02560.1	458	30091	0	452	458	98 -	1	458	2188	2645
UN72474	Rsa1.0_00586.1	471	163802	0	431	440	97 +	3	440	108203	108642
UN72475	Rsa1.0_01228.1	404	50238	1.00E-129	273	285	95 +	122	404	733	1017
UN72476	Rsa1.0_00123.1	610	325650	2.00E-84	165	167	98 +	186	352	254802	254968
UN72477	Rsa1.0_00019.1	577	301669	1.00E-73	168	177	94 -	3	179	285853	286029
UN72478	Rsa1.0_01518.1	592	141402	0	571	592	96 +	4	592	117712	118303
UN72479	Rsa1.0_00123.1	593	325650	1.00E-175	317	319	99 +	275	593	172233	172551
UN72480	Rsa1.0_00143.1	617	121313	0	407	409	99 -	41	449	91078	91486
UN72481	Rsa1.0_00047.1	606	168582	1.00E-124	235	238	98 -	369	606	34284	34521
UN72482	Rsa1.0_05077.1	492	14913	0	482	483	99 +	3	485	6975	7456
UN72483	Rsa1.0_00878.1	582	330303	0	351	355	98 -	3	357	168368	168721
UN72484	Rsa1.0_04776.1	769	16017	1.00E-144	302	316	95 -	5	320	971	1286
UN72485	Rsa1.0_00577.1	718	174827	0	354	358	98 +	193	550	174470	174827
UN72486	Rsa1.0_08069.1	629	7960	0	625	627	99 -	3	629	7148	7774
UN72487	Rsa1.0_00110.1	554	132719	1.00E-137	299	316	94 -	15	330	92532	92847
UN72488	Rsa1.0_00079.1	705	606987	1.00E-169	395	428	92 -	1	427	66614	67022
UN72489	Rsa1.0_00398.1	214	88007	3.00E-81	153	153	100 +	62	214	62571	62723
UN72490	Rsa1.0_00273.1	493	326186	1.00E-100	186	186	100 -	3	188	114809	114994
UN72491	Rsa1.0_00391.1	395	183853	1.00E-151	376	396	94 -	2	395	19753	20136
UN72492	Rsa1.0_00198.1	720	222963	1.00E-172	307	307	100 +	3	309	183089	183395
UN72493	Rsa1.0_01105.1	787	53958	1.00E-151	289	292	98 +	498	787	12551	12842
UN72494	Rsa1.0_00053.1	807	263459	1.00E-135	265	272	97 +	341	612	63729	64000
UN72495	Rsa1.0_05463.1	706	13663	0	480	494	97 +	131	621	1452	1945
UN72496	Rsa1.0_00543.1	185	76788	5.00E-70	176	187	94 +	1	183	76272	76456
UN72497	#	#	#	#	#	#	#	#	#	#	#
UN72498	Rsa1.0_00522.1	813	78103	1.00E-105	209	214	97 +	354	567	48991	49204
UN72499	Rsa1.0_01806.1	660	39021	1.00E-98	186	187	99 -	77	263	32010	32196

UN72500	Rsa1.0.00718.1	805	279335	1.00E-108	211	215	98 -	339	553	24332	24546
UN72501	Rsa1.0.00084.1	661	142338	1.00E-104	196	197	99 +	465	661	71502	71698
UN72502	Rsa1.0.01306.1	668	48720	0	656	667	98 -	2	668	47304	47970
UN72503	Rsa1.0.07938.1	424	8225	0	417	423	98 +	2	424	2810	3231
UN72504	Rsa1.0.01899.1	594	37474	1.00E-140	262	265	98 +	142	406	32267	32531
UN72505	Rsa1.0.55571.1	625	411	3.00E-74	145	146	99 +	286	431	122	267
UN72506	Rsa1.0.01987.1	765	36446	1.00E-154	312	322	96 +	21	340	26870	27188
UN72507	Rsa1.0.00387.1	806	495407	0	778	806	96 +	2	803	27480	28285
UN72508	Rsa1.0.07945.1	652	8206	4.00E-86	168	170	98 -	483	652	2684	2853
UN72509	Rsa1.0.03352.1	748	23506	1.00E-73	147	149	98 +	250	398	16565	16713
UN72510	Rsa1.0.00351.1	508	413096	1.00E-168	299	299	100 -	210	508	244469	244767
UN72511	Rsa1.0.01241.1	561	50067	1.00E-178	328	332	98 -	226	557	4033	4364
UN72512	Rsa1.0.00273.1	480	326186	1.00E-162	313	320	97 -	3	320	40601	40920
UN72513	Rsa1.0.01000.1	743	57140	2.00E-94	185	188	98 -	160	347	3798	3985
UN72514	Rsa1.0.00329.1	805	222544	2.00E-94	185	188	98 +	345	532	148408	148595
UN72515	Rsa1.0.30991.1	791	739	1.00E-128	235	236	99 -	5	240	1	236
UN72516	Rsa1.0.06693.1	729	10529	0	524	525	99 -	3	527	8122	8646
UN72517	Rsa1.0.00016.1	849	831256	1.00E-132	304	323	94 +	258	575	11856	12175
UN72518	Rsa1.0.05544.1	716	13381	0	705	715	98 -	2	716	7187	7901
UN72519	Rsa1.0.00025.1	420	277312	1.00E-130	263	270	97 -	152	420	80018	80284
UN72520	Rsa1.0.00065.1	811	454616	1.00E-118	222	224	99 -	3	226	202214	202437
UN72521	Rsa1.0.02295.1	746	149884	1.00E-49	110	113	97 +	509	621	9436	9548
UN72522	Rsa1.0.00668.1	781	69421	5.00E-92	229	248	92 +	197	444	6686	6933
UN72523	Rsa1.0.02241.1	699	33520	0	373	377	98 -	1	377	2796	3170
UN72524	Rsa1.0.02210.1	783	33857	0	667	696	95 -	1	692	30364	31059
UN72525	Rsa1.0.08080.1	725	137363	0	594	619	95 +	107	725	3359	3965
UN72526	Rsa1.0.00871.1	824	61539	0	523	536	97 -	142	675	44103	44638
UN72527	Rsa1.0.01132.1	823	52923	0	364	366	99 -	344	709	21001	21366
UN72528	Rsa1.0.02524.1	702	30496	0	369	372	99 +	67	438	11355	11726
UN72529	Rsa1.0.00473.1	844	212204	0	406	421	96 +	3	420	64280	64697
UN72530	Rsa1.0.00219.1	734	106983	0	728	738	98 +	2	734	20970	21705
UN72531	Rsa1.0.00311.1	808	96847	0	505	540	93 +	2	538	30375	30911
UN72532	Rsa1.0.00015.1	643	561803	0	443	444	99 +	2	445	17251	17694
UN72533	Rsa1.0.01543.1	797	43645	0	355	356	99 -	126	481	8632	8987
UN72534	Rsa1.0.00601.1	778	177045	3.00E-56	124	128	96 -	328	455	23119	23246
UN72535	Rsa1.0.00240.1	704	104175	1.00E-173	360	375	96 -	286	659	27637	28009
UN72536	Rsa1.0.01651.1	514	41586	0	510	518	98 -	3	514	22063	22580
UN72537	Rsa1.0.02948.1	512	26526	3.00E-61	142	149	95 +	72	220	5601	5745
UN72538	Rsa1.0.03785.1	542	20883	0	379	383	98 -	160	542	11329	11708

UN72539	Rsa1.0_04279.1	788	18113	1.00E-168	344	356	96 -	434	788	8643	8997
UN72540	Rsa1.0_02500.1	739	30768	1.00E-105	262	283	92 +	460	739	7770	8040
UN72541	Rsa1.0_13708.1	645	4447	0	641	644	99 -	3	645	2491	3134
UN72542	Rsa1.0_00248.1	773	163568	1.00E-152	288	293	98 -	387	679	40305	40597
UN72543	Rsa1.0_00224.1	741	327530	0	502	512	98 -	2	510	158213	158724
UN72544	Rsa1.0_07786.1	809	8569	1.00E-171	305	305	100 +	3	307	6301	6605
UN72545	Rsa1.0_00272.1	776	447836	0	572	589	97 -	2	590	425805	426393
UN72546	Rsa1.0_00256.1	841	102426	0	800	823	97 -	6	822	8616	9438
UN72547	Rsa1.0_44480.1	262	506	1.00E-108	246	262	93 -	1	262	110	371
UN72548	Rsa1.0_02647.1	829	29120	0	829	829	100 -	1	829	6575	7403
UN72549	Rsa1.0_05076.1	214	14916	7.00E-39	101	106	95 -	1	105	7017	7122
UN72550	Rsa1.0_01318.1	582	48275	0	468	479	97 -	1	476	13067	13545
UN72551	Rsa1.0_00662.1	229	192183	1.00E-114	224	229	97 +	1	229	5148	5376
UN72552	Rsa1.0_00149.1	160	305196	2.00E-47	141	156	90 -	1	156	104161	104316
UN72553	Rsa1.0_00351.1	490	413096	1.00E-125	296	318	93 +	1	310	410837	411149
UN72554	Rsa1.0_05563.1	771	13319	0	493	503	98 +	259	761	4417	4919
UN72555	Rsa1.0_00206.1	765	109040	0	454	461	98 -	1	458	14100	14558
UN72556	Rsa1.0_02855.1	786	27271	0	417	438	95 -	242	679	10502	10927
UN72557	Rsa1.0_03291.1	368	24000	7.00E-77	158	162	97 +	1	162	9554	9715
UN72558	Rsa1.0_01200.1	316	50895	8.00E-55	115	117	98 -	1	117	9971	10087
UN72559	Rsa1.0_00630.1	667	71281	0	469	469	100 +	135	603	28489	28957
UN72560	Rsa1.0_02561.1	708	30080	0	687	706	97 +	3	708	23028	23728
UN72561	Rsa1.0_07790.1	358	8563	1.00E-166	344	358	96 -	3	358	745	1101
UN72562	Rsa1.0_03727.1	648	21158	1.00E-164	293	293	100 -	356	648	2903	3195
UN72563	Rsa1.0_03889.1	300	20233	1.00E-139	287	299	95 -	2	300	7009	7307
UN72564	Rsa1.0_08359.1	749	7483	1.00E-52	112	114	98 +	448	561	1908	2021
UN72565	Rsa1.0_04963.1	355	15312	0	353	354	99 -	2	355	10139	10492
UN72566	Rsa1.0_46280.1	768	488	0	478	488	97 +	264	750	1	488
UN72567	Rsa1.0_01035.1	613	56019	1.00E-137	257	260	98 -	354	613	49248	49507
UN72568	Rsa1.0_07408.1	570	9445	0	396	401	98 -	171	570	6040	6440
UN72569	Rsa1.0_01045.1	748	55853	0	640	701	91 +	64	748	32847	33526
UN72570	Rsa1.0_01175.1	693	51674	0	525	529	99 +	166	693	27517	28045
UN72571	Rsa1.0_01882.1	752	37697	0	444	452	98 -	4	455	36182	36630
UN72572	Rsa1.0_05748.1	576	12749	1.00E-120	264	279	94 +	4	282	8253	8531
UN72573	Rsa1.0_16771.1	672	2040	0	425	435	97 -	4	437	1018	1451
UN72574	Rsa1.0_05985.1	790	12028	0	774	790	97 +	2	790	1059	1836
UN72575	Rsa1.0_00867.1	742	61635	1.00E-100	299	335	89 -	3	328	27352	27671
UN72576	Rsa1.0_01495.1	739	44613	0	565	610	92 -	131	730	19420	20014
UN72577	Rsa1.0_62848.1	503	365	1.00E-165	337	351	96 -	38	388	1	351

UN72578	Rsa1.0.01974.1	564	36583	0	551	564	97 +	1	564	417	977
UN72579	Rsa1.0.00075.1	738	146680	1.00E-121	288	308	93 +	433	738	26868	27164
UN72580	Rsa1.0.00039.1	163	296927	9.00E-50	149	162	91 +	1	162	110841	110997
UN72581	Rsa1.0.16327.1	436	2198	3.00E-67	139	142	97 -	144	285	1024	1165
UN72582	Rsa1.0.01909.1	542	37417	0	541	542	99 -	1	542	29596	30137
UN72583	Rsa1.0.00030.1	771	250988	1.00E-143	285	290	98 -	485	771	57517	57806
UN72584	Rsa1.0.02064.1	796	35476	1.00E-119	218	218	100 -	187	404	17442	17659
UN72585	Rsa1.0.01105.1	809	53958	1.00E-140	253	253	100 +	2	254	17402	17654
UN72586	Rsa1.0.00060.1	592	502678	0	496	508	97 +	88	592	483881	484388
UN72587	Rsa1.0.00222.1	311	172263	7.00E-49	99	99	100 -	36	134	18433	18531
UN72588	Rsa1.0.05501.1	686	13513	3.00E-99	199	204	97 -	107	310	10851	11054
UN72589	Rsa1.0.01882.1	699	37697	0	493	513	96 +	184	692	11243	11755
UN72590	Rsa1.0.06194.1	199	11516	3.00E-53	112	114	98 -	1	114	7016	7129
UN72591	Rsa1.0.02762.1	774	28146	0	457	465	98 +	309	769	7047	7511
UN72592	Rsa1.0.00017.1	622	752458	0	559	575	97 +	3	571	313679	314244
UN72593	Rsa1.0.01274.1	527	49419	1.00E-130	271	283	95 -	245	527	28279	28561
UN72594	Rsa1.0.03925.1	776	20025	0	361	367	98 +	2	368	7266	7632
UN72595	Rsa1.0.05442.1	707	13741	0	704	707	99 -	2	707	12189	12895
UN72596	Rsa1.0.02601.1	744	29654	1.00E-116	242	249	97 -	498	744	21585	21833
UN72597	Rsa1.0.00056.1	799	332604	2.00E-63	139	144	96 -	477	620	83072	83215
UN72598	Rsa1.0.01658.1	548	41414	1.00E-137	301	316	95 +	214	527	16631	16946
UN72599	Rsa1.0.29258.1	769	788	1.00E-114	227	233	97 -	402	634	1	233
UN72600	Rsa1.0.05906.1	326	12270	1.00E-132	313	330	94 -	2	325	6490	6819
UN72601	Rsa1.0.00015.1	642	561803	0	639	643	99 +	1	642	406815	407457
UN72602	Rsa1.0.13791.1	616	4330	1.00E-111	217	220	98 +	278	497	2049	2267
UN72603	Rsa1.0.01026.1	415	171624	0	414	415	99 -	1	415	16954	17368
UN72604	Rsa1.0.05599.1	435	143653	1.00E-139	253	254	99 -	182	435	139736	139989
UN72605	Rsa1.0.07725.1	678	8707	4.00E-86	189	198	95 -	113	310	188	385
UN72606	Rsa1.0.09674.1	557	6219	0	531	536	99 +	2	537	948	1483
UN72607	Rsa1.0.00046.1	698	320315	2.33E-156	272	275	98 +	52	326	78545	78819
UN72608	Rsa1.0.00233.1	680	104918	0	645	677	95 +	4	680	44062	44719
UN72609	Rsa1.0.02675.1	635	28852	1.00E-144	272	276	98 -	154	429	19232	19507
UN72610	Rsa1.0.07426.1	128	9413	3.00E-30	117	126	92 -	1	126	7751	7869
UN72611	Rsa1.0.00322.1	308	212233	1.00E-105	282	311	90 +	1	308	79355	79649
UN72612	Rsa1.0.00545.1	650	189649	0	528	529	99 +	2	530	42289	42817
UN72613	Rsa1.0.02502.1	821	30740	0	424	427	99 +	104	530	8772	9198
UN72614	Rsa1.0.00863.1	737	254535	0	561	585	95 -	137	718	251985	252566
UN72615	Rsa1.0.00565.1	788	75420	0	747	761	98 -	3	753	21022	21781
UN72616	Rsa1.0.00642.1	702	201230	4.00E-77	165	171	96 +	529	699	179823	179993

UN72617	Rsa1.0_00403.1	616	87701	0	430	447	96 +	164	604	41873	42318
UN72618	Rsa1.0_04859.1	313	15699	1.00E-142	273	279	97 -	35	313	10905	11183
UN72619	Rsa1.0_06898.1	764	10191	3.00E-93	184	186	98 -	1	185	5050	5235
UN72620	Rsa1.0_06071.1	457	11813	0	375	376	99 +	82	457	2556	2931
UN72621	Rsa1.0_00218.1	291	201480	1.00E-106	195	195	100 -	97	291	170996	171190
UN72622	Rsa1.0_00017.1	716	752458	0	388	401	96 +	181	581	37911	38310
UN72623	Rsa1.0_01381.1	666	46908	0	345	352	98 +	315	666	34959	35310
UN72624	Rsa1.0_01825.1	782	38725	0	382	392	97 -	48	439	27952	28343
UN72625	Rsa1.0_00803.1	366	144228	8.00E-83	225	243	92 -	3	241	44886	45122
UN72626	Rsa1.0_01316.1	618	48325	0	360	368	97 +	196	562	42403	42770
UN72627	Rsa1.0_00179.1	498	393324	0	432	443	97 -	60	498	277922	278363
UN72628	Rsa1.0_19831.1	701	1377	2.00E-48	129	139	92 +	1	134	930	1068
UN72629	Rsa1.0_00083.1	615	442773	1.00E-139	251	251	100 -	355	605	123441	123691
UN72630	Rsa1.0_05698.1	698	12892	1.00E-112	259	277	93 -	125	401	10009	10285
UN72631	Rsa1.0_00094.1	700	139042	0	664	686	96 +	15	700	7744	8425
UN72632	Rsa1.0_01200.1	724	50895	1.00E-109	224	232	96 +	331	562	8991	9222
UN72633	Rsa1.0_05821.1	379	12531	1.00E-154	356	380	93 -	1	379	4201	4575
UN72634	Rsa1.0_02650.1	684	29047	1.00E-156	283	284	99 +	390	673	28637	28920
UN72635	Rsa1.0_00299.1	641	97770	0	550	561	98 -	81	641	42626	43185
UN72636	Rsa1.0_00912.1	689	59923	0	381	390	97 -	295	680	32491	32880
UN72637	Rsa1.0_01096.1	313	54266	2.00E-74	163	170	95 +	1	170	1604	1773
UN72638	Rsa1.0_01495.1	623	44613	0	362	371	97 +	4	373	18006	18376
UN72639	Rsa1.0_01974.1	660	36583	0	647	660	98 -	1	660	1474	2133
UN72640	Rsa1.0_02192.1	674	171291	1.00E-121	338	371	91 +	7	367	10129	10492
UN72641	Rsa1.0_01909.1	714	37417	0	712	712	100 +	3	714	27213	27924
UN72642	Rsa1.0_00419.1	555	86562	1.00E-165	480	535	89 +	28	555	15452	15983
UN72643	Rsa1.0_05489.1	520	13562	2.00E-69	140	142	98 +	1	142	6322	6463
UN72644	Rsa1.0_00018.1	610	410899	5.00E-82	230	250	92 -	3	248	68920	69163
UN72645	Rsa1.0_00413.1	785	86921	8.00E-23	116	136	85 -	12	147	64048	64168
UN72646	Rsa1.0_00030.1	320	250988	1.00E-147	306	320	95 +	1	320	57418	57737
UN72647	Rsa1.0_00947.1	146	58664	6.00E-63	140	146	95 +	1	146	57526	57671
UN72648	Rsa1.0_59016.1	178	388	9.00E-41	103	109	94 +	2	110	116	224
UN72649	Rsa1.0_00324.1	442	218805	3.00E-58	127	131	96 -	312	442	188833	188963
UN72650	Rsa1.0_00052.1	628	162771	1.00E-178	557	634	87 -	3	627	122775	123401
UN72651	Rsa1.0_01274.1	581	49419	8.00E-84	197	210	93 +	1	205	26518	26727
UN72652	Rsa1.0_05599.1	238	143653	8.00E-79	170	177	96 +	60	236	140765	140941
UN72653	Rsa1.0_01769.1	186	39568	1.00E-61	159	172	92 +	15	186	32201	32372
UN72654	Rsa1.0_09178.1	613	6578	1.00E-114	220	223	98 +	391	613	2426	2645
UN72655	Rsa1.0_00545.1	373	189649	1.00E-115	281	305	92 -	12	305	44026	44330

UN72656	Rsa1.0_00486.1	430	80875	1.00E-108	211	215	98 -	216	430	24171	24385
UN72657	Rsa1.0_02231.1	473	33661	2.00E-47	103	105	98 +	223	327	20314	20418
UN72658	Rsa1.0_02948.1	446	26526	1.00E-121	256	264	96 +	1	262	6934	7196
UN72659	Rsa1.0_05140.1	772	14710	2.33E-156	305	316	96 -	1	316	5327	5636
UN72660	Rsa1.0_01054.1	110	55470	1.00E-29	99	110	90 +	1	110	23563	23672
UN72661	Rsa1.0_01075.1	449	156953	0	439	450	97 -	1	449	137106	137555
UN72662	Rsa1.0_00346.1	746	93130	0	370	373	99 +	1	373	39647	40019
UN72663	Rsa1.0_05653.1	601	13043	0	590	597	98 +	5	601	10811	11407
UN72664	Rsa1.0_00105.1	351	134138	1.00E-135	335	366	91 +	1	351	91830	92188
UN72665	Rsa1.0_00152.1	285	257730	1.00E-87	180	184	97 +	3	185	255980	256163
UN72666	Rsa1.0_00070.1	781	150321	0	716	777	92 +	14	770	88385	89158
UN72667	Rsa1.0_01528.1	785	43882	0	476	521	91 +	8	520	11370	11881
UN72668	Rsa1.0_00428.1	603	85599	1.00E-149	521	600	86 -	24	603	31934	32519
UN72669	Rsa1.0_00087.1	396	761073	1.00E-112	206	206	100 +	3	208	580713	580918
UN72670	Rsa1.0_00651.1	102	247766	2.00E-46	100	102	98 +	1	102	195642	195743
UN72671	Rsa1.0_03141.1	252	25061	1.00E-119	230	233	98 -	7	238	8237	8469
UN72672	Rsa1.0_00380.1	362	89748	1.00E-107	203	205	99 -	158	362	48802	49006
UN72673	Rsa1.0_02910.1	739	26843	1.00E-160	296	298	99 -	443	739	24299	24596
UN72674	Rsa1.0_02869.1	763	27109	1.00E-140	276	284	97 +	33	316	10767	11050
UN72675	Rsa1.0_00078.1	650	175053	1.00E-142	278	283	98 +	3	285	6616	6895
UN72676	Rsa1.0_06303.1	706	11268	0	430	433	99 -	257	687	5225	5657
UN72677	Rsa1.0_02647.1	104	29120	9.00E-24	84	88	95 +	17	104	6796	6879
UN72678	Rsa1.0_03990.1	227	19676	4.00E-96	178	178	100 -	2	179	8915	9092
UN72679	Rsa1.0_13838.1	596	4236	3.00E-68	170	183	92 +	256	438	2303	2479
UN72680	Rsa1.0_02955.1	727	26484	0	438	442	99 -	287	727	7194	7635
UN72681	#	#	#	#	#	#	#	#	#	#	#
UN72682	Rsa1.0_00523.1	569	178770	0	424	429	98 -	138	566	43281	43709
UN72683	Rsa1.0_00216.1	678	197563	1.00E-105	227	234	97 -	448	678	187966	188199
UN72684	Rsa1.0_13399.1	540	4866	1.00E-91	231	251	92 -	50	300	3707	3957
UN72685	Rsa1.0_00353.1	657	92242	0	477	478	99 -	2	479	19020	19497
UN72686	Rsa1.0_03506.1	770	22416	1.00E-129	234	234	100 -	201	434	14927	15160
UN72687	Rsa1.0_00344.1	800	191774	0	685	709	96 +	95	792	102407	103114
UN72688	Rsa1.0_05322.1	782	14154	0	684	691	98 -	83	769	1521	2211
UN72689	Rsa1.0_02841.1	763	27383	1.00E-160	356	375	94 +	387	759	23198	23571
UN72690	Rsa1.0_42837.1	827	524	1.00E-122	229	230	99 -	497	725	1	230
UN72691	Rsa1.0_02750.1	776	28239	0	534	592	90 -	1	567	23986	24559
UN72692	Rsa1.0_00116.1	698	365886	0	697	700	99 +	1	698	215950	216649
UN72693	Rsa1.0_07645.1	668	8949	1.00E-160	295	298	98 -	1	298	4425	4722
UN72694	Rsa1.0_01891.1	628	37530	1.00E-169	305	306	99 +	152	457	6822	7127

UN72695	Rsa1.0.27704.1	727	842	2.33E-156	273	275	99 +	454	727	47	321
UN72696	Rsa1.0.03037.1	423	25825	1.00E-167	320	325	98 +	102	423	16353	16677
UN72697	Rsa1.0.00660.1	155	69688	2.00E-75	153	155	98 -	2	155	21963	22117
UN72698	Rsa1.0.00603.1	775	73299	0	764	773	98 -	3	775	42325	43091
UN72699	Rsa1.0.32167.1	425	708	1.00E-121	234	238	98 +	191	425	319	556
UN72700	Rsa1.0.00192.1	660	278200	1.00E-180	326	328	99 +	1	328	30333	30660
UN72701	Rsa1.0.04014.1	794	19572	0	778	800	97 +	3	794	11462	12258
UN72702	Rsa1.0.02346.1	599	32337	0	595	598	99 -	3	599	29934	30531
UN72703	Rsa1.0.00701.1	534	67691	3.00E-74	145	146	99 -	1	146	28659	28804
UN72704	Rsa1.0.01303.1	692	48853	1.00E-125	278	295	94 +	30	324	14117	14411
UN72705	Rsa1.0.00417.1	739	395068	0	374	377	99 +	351	726	228539	228913
UN72706	Rsa1.0.02401.1	726	138425	0	595	637	93 +	19	649	1005	1623
UN72707	Rsa1.0.00296.1	673	97854	0	431	434	99 +	241	673	20174	20607
UN72708	Rsa1.0.02064.1	711	35476	5.00E-92	236	252	93 -	3	252	9518	9762
UN72709	Rsa1.0.00683.1	727	68638	1.00E-143	329	353	93 -	30	382	27365	27717
UN72710	Rsa1.0.00274.1	802	210119	1.00E-164	296	297	99 +	289	585	186905	187201
UN72711	Rsa1.0.05533.1	770	13402	0	724	735	98 +	2	730	9905	10639
UN72712	Rsa1.0.02485.1	356	30968	0	354	356	99 +	1	356	8898	9253
UN72713	Rsa1.0.00652.1	749	70089	2.00E-69	159	165	96 +	568	731	1	163
UN72714	Rsa1.0.00447.1	773	84051	1.00E-137	289	300	96 -	363	660	26113	26408
UN72715	Rsa1.0.01149.1	696	160459	1.00E-132	246	248	99 +	449	696	43118	43365
UN72716	Rsa1.0.00878.1	456	330303	2.00E-31	104	114	91 -	39	152	118200	118312
UN72717	Rsa1.0.00541.1	718	76863	0	332	332	100 +	4	335	33806	34137
UN72718	Rsa1.0.05652.1	748	13043	0	426	435	97 -	260	694	536	970
UN72719	Rsa1.0.00042.1	692	171507	0	403	412	97 -	281	689	133044	133455
UN72720	Rsa1.0.00638.1	808	71037	0	439	441	99 -	3	443	7718	8157
UN72721	Rsa1.0.13999.1	637	3934	0	526	554	94 -	19	565	2	555
UN72722	Rsa1.0.02074.1	695	35370	1.00E-131	248	250	99 -	180	428	28385	28634
UN72723	Rsa1.0.04029.1	461	19491	1.00E-121	221	221	100 -	241	461	11904	12124
UN72724	Rsa1.0.00736.1	712	66455	0	675	706	95 -	2	705	36516	37221
UN72725	Rsa1.0.00015.1	738	561803	1.00E-156	321	335	95 +	13	347	428770	429104
UN72726	Rsa1.0.00002.1	643	601661	0	642	642	100 -	2	643	267676	268317
UN72727	Rsa1.0.03926.1	827	20024	0	454	477	95 -	161	636	976	1451
UN72728	Rsa1.0.02127.1	764	34764	0	552	566	97 -	36	601	5360	5921
UN72729	Rsa1.0.02950.1	703	26506	0	497	499	99 -	205	703	9759	10257
UN72730	Rsa1.0.00035.1	823	176449	1.00E-137	256	258	99 +	167	422	35232	35489
UN72731	Rsa1.0.33029.1	764	688	2.00E-75	175	183	95 +	525	704	345	527
UN72732	Rsa1.0.00421.1	535	86365	0	380	390	97 -	44	433	18697	19086
UN72733	Rsa1.0.00750.1	659	190548	1.00E-129	269	280	96 +	2	272	8012	8291

UN72734	Rsa1.0.00806.1	799	63674	0	438	447	97 +	359	799	57249	57695
UN72735	Rsa1.0.06538.1	661	10820	0	466	472	98 +	3	471	10268	10739
UN72736	Rsa1.0.00190.1	687	318240	1.00E-70	142	144	98 -	265	408	194586	194729
UN72737	Rsa1.0.22747.1	781	1098	0	511	528	96 +	47	574	492	1017
UN72738	Rsa1.0.00457.1	827	337301	1.00E-179	389	407	95 +	429	827	197550	197956
UN72739	Rsa1.0.01508.1	688	44334	0	414	415	99 -	275	688	19198	19612
UN72740	Rsa1.0.00351.1	667	413096	0	518	538	96 +	3	540	232729	233259
UN72741	Rsa1.0.03037.1	809	25825	1.00E-142	265	268	98 +	3	270	5873	6140
UN72742	Rsa1.0.00190.1	810	318240	2.00E-82	165	168	98 -	3	170	214483	214650
UN72743	Rsa1.0.01075.1	639	156953	0	583	583	100 +	2	584	136076	136658
UN72744	Rsa1.0.06390.1	582	11106	1.00E-143	405	457	88 +	78	533	8286	8725
UN72745	Rsa1.0.00471.1	785	81897	0	572	581	98 +	213	785	76439	77019
UN72746	Rsa1.0.00614.1	589	72276	1.00E-156	280	280	100 -	310	589	43504	43783
UN72747	Rsa1.0.09817.1	761	6137	0	685	722	94 +	1	717	4828	5549
UN72748	Rsa1.0.00273.1	178	326186	1.00E-70	170	175	97 -	1	174	6811	6981
UN72749	Rsa1.0.14104.1	759	3807	1.00E-161	338	350	96 +	355	703	2533	2877
UN72750	Rsa1.0.03132.1	639	25142	0	407	428	95 -	69	496	22052	22479
UN72751	Rsa1.0.00012.1	196	222148	8.00E-97	191	195	97 +	2	196	58315	58509
UN72752	Rsa1.0.02288.1	407	32984	1.00E-81	154	154	100 +	254	407	14096	14249
UN72753	Rsa1.0.00293.1	695	339294	0	615	628	97 +	68	695	313092	313716
UN72754	Rsa1.0.00152.1	473	257730	0	348	348	100 -	126	473	203808	204155
UN72755	Rsa1.0.03981.1	476	19724	1.00E-151	353	376	93 +	105	476	17481	17848
UN72756	Rsa1.0.00210.1	548	108424	0	536	550	97 -	2	548	57689	58238
UN72757	Rsa1.0.00441.1	793	84607	1.00E-108	202	203	99 -	2	204	64074	64276
UN72758	Rsa1.0.05662.1	676	13011	1.00E-95	184	186	98 -	188	373	2646	2831
UN72759	Rsa1.0.04213.1	605	18437	2.00E-66	150	156	96 +	1	154	16979	17134
UN72760	Rsa1.0.03155.1	620	24958	0	604	620	97 -	2	620	7816	8434
UN72761	Rsa1.0.01033.1	613	56173	0	444	445	99 +	3	447	3882	4326
UN72762	Rsa1.0.00028.1	676	293984	0	658	682	96 +	1	676	290363	291043
UN72763	Rsa1.0.02599.1	729	29660	0	457	473	96 +	93	565	3517	3980
UN72764	Rsa1.0.00176.1	555	240984	0	528	550	96 +	12	555	232410	232959
UN72765	Rsa1.0.00160.1	774	346678	6.00E-76	145	145	100 -	11	155	196792	196936
UN72766	Rsa1.0.03613.1	668	21773	1.00E-145	283	289	97 -	346	633	21243	21531
UN72767	Rsa1.0.03011.1	586	26048	0	522	545	95 -	52	586	25451	25995
UN72768	Rsa1.0.38780.1	673	580	6.00E-79	220	240	91 -	346	581	1	239
UN72769	Rsa1.0.00564.1	763	75428	0	414	419	98 -	60	478	44905	45323
UN72770	Rsa1.0.03089.1	715	25465	0	706	718	98 +	2	715	7804	8520
UN72771	Rsa1.0.02076.1	694	153121	1.00E-177	317	318	99 +	377	694	32925	33242
UN72772	Rsa1.0.00273.1	259	326186	3.00E-60	121	122	99 +	1	122	41963	42084

UN72773	Rsa1.0.00228.1	783	105511	0	384	395	97 -	391	783	25600	25994
UN72774	Rsa1.0.15667.1	723	2492	1.00E-101	187	187	100 +	1	187	2120	2306
UN72775	Rsa1.0.34677.1	568	653	1.00E-150	287	293	97 +	46	338	2	294
UN72776	Rsa1.0.03122.1	442	25207	0	373	380	98 -	63	442	14316	14695
UN72777	Rsa1.0.02168.1	598	34367	0	597	600	99 +	1	598	7265	7863
UN72778	Rsa1.0.00533.1	814	77375	0	396	402	98 -	3	403	38603	39004
UN72779	Rsa1.0.00047.1	540	168582	0	461	462	99 +	79	540	122835	123296
UN72780	Rsa1.0.00017.1	693	752458	4.00E-52	231	269	85 +	331	581	724162	724425
UN72781	Rsa1.0.03638.1	780	21634	0	513	524	97 +	261	780	11326	11849
UN72782	Rsa1.0.13882.1	638	4156	0	489	533	91 +	108	638	1	515
UN72783	Rsa1.0.01727.1	832	40243	1.00E-147	301	311	96 +	3	312	5156	5463
UN72784	Rsa1.0.00713.1	705	158017	1.00E-131	287	304	94 +	2	305	150669	150965
UN72785	Rsa1.0.00796.1	562	63997	1.00E-106	206	208	99 -	355	562	58181	58387
UN72786	Rsa1.0.00968.1	631	58020	0	630	632	99 -	1	631	21468	22099
UN72787	Rsa1.0.00026.1	320	327835	1.00E-161	312	319	97 -	1	319	171739	172056
UN72788	Rsa1.0.02183.1	190	34170	3.00E-59	137	144	95 -	43	186	2158	2301
UN72789	Rsa1.0.07710.1	632	8736	0	627	631	99 +	2	632	5998	6628
UN72790	Rsa1.0.66369.1	400	345	1.00E-114	254	268	94 -	7	270	50	315
UN72791	Rsa1.0.00818.1	665	62939	0	623	679	91 +	3	660	35433	36105
UN72792	Rsa1.0.03063.1	661	25673	0	643	658	97 +	5	661	2143	2800
UN72793	Rsa1.0.01458.1	762	175719	5.00E-61	166	180	92 -	9	188	415	588
UN72794	Rsa1.0.00778.1	767	196751	1.00E-141	261	263	99 +	1	263	183918	184180
UN72795	#	#	#	#	#	#	#	#	#	#	#
UN72796	Rsa1.0.00502.1	168	204180	1.00E-58	151	163	92 +	6	168	64004	64166
UN72797	Rsa1.0.00080.1	783	190437	2.00E-57	148	159	93 +	9	167	112013	112167
UN72798	Rsa1.0.00053.1	764	263459	0	387	405	95 -	131	532	250291	250695
UN72799	Rsa1.0.00044.1	772	271658	0	738	777	94 -	2	772	16782	17555
UN72800	Rsa1.0.11824.1	407	5396	1.00E-72	142	143	99 -	196	338	66	208
UN72801	Rsa1.0.00221.1	611	106972	0	479	497	96 -	39	535	8699	9195
UN72802	Rsa1.0.01448.1	138	45645	2.00E-47	123	132	93 +	1	132	37885	38016
UN72803	Rsa1.0.01072.1	316	55068	1.00E-171	313	316	99 +	1	316	8267	8582
UN72804	#	#	#	#	#	#	#	#	#	#	#
UN72805	Rsa1.0.02835.1	750	27491	0	589	623	94 -	78	700	546	1166
UN72806	Rsa1.0.01660.1	489	41400	0	419	436	96 -	1	435	27246	27680
UN72807	Rsa1.0.02201.1	243	33981	1.00E-96	228	243	93 +	1	243	26813	27054
UN72808	Rsa1.0.05095.1	133	14869	2.00E-37	106	115	92 -	1	115	961	1075
UN72809	Rsa1.0.00324.1	794	218805	1.00E-95	187	190	98 +	477	666	188774	188963
UN72810	Rsa1.0.00820.1	249	62911	1.00E-122	242	249	97 -	1	249	6041	6289
UN72811	Rsa1.0.08230.1	115	7688	4.00E-23	67	71	94 -	45	115	5173	5243

UN72812	Rsa1.0.00391.1	350	183853	1.00E-155	332	350	94 +	1	350	19343	19692
UN72813	Rsa1.0.00398.1	832	88007	0	516	542	95 +	3	537	40983	41523
UN72814	Rsa1.0.00382.1	610	251946	1.00E-171	310	312	99 +	299	610	134716	135027
UN72815	Rsa1.0.10400.1	699	5859	1.00E-157	317	331	95 -	2	332	5314	5632
UN72816	Rsa1.0.41339.1	762	543	1.00E-140	337	363	92 +	11	360	33	394
UN72817	Rsa1.0.08472.1	538	7300	0	522	545	95 -	2	531	6360	6903
UN72818	Rsa1.0.02834.1	578	27493	0	371	376	98 +	49	424	6274	6648
UN72819	Rsa1.0.01315.1	677	48361	7.00E-63	123	123	100 -	555	677	11642	11764
UN72820	Rsa1.0.00056.1	611	332604	1.00E-147	265	265	100 -	301	565	21168	21432
UN72821	Rsa1.0.02555.1	658	30146	1.00E-151	299	307	97 -	353	658	6078	6384
UN72822	Rsa1.0.07931.1	783	8236	1.00E-100	189	190	99 +	41	230	418	607
UN72823	Rsa1.0.01554.1	834	43379	0	493	495	99 +	2	496	8646	9139
UN72824	Rsa1.0.02215.1	802	33822	0	495	516	95 -	295	802	28431	28946
UN72825	Rsa1.0.03292.1	699	23977	1.00E-123	267	277	96 +	3	278	2512	2786
UN72826	Rsa1.0.01920.1	672	158533	1.00E-52	121	126	96 +	547	672	151015	151140
UN72827	Rsa1.0.00417.1	697	395068	0	670	696	96 +	4	697	7936	8627
UN72828	Rsa1.0.02325.1	317	160025	7.00E-46	110	113	97 +	133	242	20253	20365
UN72829	Rsa1.0.00306.1	718	146760	0	675	689	97 -	3	689	138913	139598
UN72830	Rsa1.0.01369.1	105	47127	4.00E-35	75	75	100 -	31	105	8425	8499
UN72831	Rsa1.0.27807.1	742	838	0	656	690	95 +	38	719	1	672
UN72832	Rsa1.0.04124.1	815	18945	2.00E-33	130	146	89 +	5	147	1811	1952
UN72833	Rsa1.0.00034.1	611	260119	1.00E-133	271	281	96 +	329	609	9111	9391
UN72834	Rsa1.0.01245.1	683	149868	1.00E-129	257	264	97 -	6	266	12242	12505
UN72835	Rsa1.0.00416.1	537	86772	0	501	543	92 +	1	537	73210	73746
UN72836	Rsa1.0.00121.1	790	278029	0	479	487	98 -	58	544	10217	10703
UN72837	Rsa1.0.01321.1	714	48248	0	391	394	99 -	4	397	19811	20204
UN72838	Rsa1.0.00919.1	802	59675	0	795	799	99 +	3	798	50360	51158
UN72839	Rsa1.0.01162.1	740	169104	0	355	360	98 -	20	379	146806	147165
UN72840	Rsa1.0.03798.1	650	20800	1.00E-103	190	190	100 +	3	192	3958	4147
UN72841	Rsa1.0.01104.1	487	285480	9.00E-68	134	135	99 +	26	160	2638	2772
UN72842	Rsa1.0.00042.1	810	171507	0	799	821	97 +	2	810	143787	144607
UN72843	Rsa1.0.00016.1	799	831256	1.00E-103	194	195	99 +	213	407	430646	430840
UN72844	Rsa1.0.00127.1	183	127446	1.00E-52	124	129	96 -	56	183	103526	103654
UN72845	Rsa1.0.01578.1	472	42880	0	450	477	94 +	2	472	10785	11255
UN72846	Rsa1.0.27712.1	576	842	1.00E-79	151	151	100 +	158	308	1	151
UN72847	Rsa1.0.04311.1	690	17984	0	372	384	96 -	289	671	2261	2640
UN72848	Rsa1.0.03063.1	728	25673	0	372	379	98 -	1	379	9387	9765
UN72849	Rsa1.0.00576.1	539	178949	1.00E-130	236	236	100 -	304	539	39367	39602
UN72850	Rsa1.0.00233.1	623	104918	1.00E-161	341	357	95 -	3	354	34811	35167

UN72851	Rsa1.0.00128.1	724	228675	0	562	562	100 +	158	719	7625	8186
UN72852	Rsa1.0.16503.1	644	2131	0	383	402	95 +	4	398	267	668
UN72853	Rsa1.0.02179.1	778	34188	1.00E-100	200	205	97 -	379	583	25696	25900
UN72854	Rsa1.0.01489.1	733	44764	1.00E-134	279	290	96 +	402	690	35064	35353
UN72855	Rsa1.0.00015.1	754	561803	0	697	727	95 +	3	723	228532	229258
UN72856	Rsa1.0.07936.1	612	8228	1.00E-110	202	202	100 +	3	204	3329	3530
UN72857	Rsa1.0.05977.1	659	12056	0	383	385	99 -	4	387	10349	10733
UN72858	Rsa1.0.01012.1	795	56836	1.00E-141	255	255	100 -	325	579	52997	53251
UN72859	Rsa1.0.13660.1	557	4542	0	331	333	99 -	2	334	1	333
UN72860	Rsa1.0.08361.1	741	7477	1.00E-171	312	313	99 -	428	739	5199	5511
UN72861	Rsa1.0.00068.1	266	151813	1.00E-127	255	263	96 +	1	263	43129	43391
UN72862	Rsa1.0.00230.1	104	105389	1.00E-32	71	71	100 +	1	71	86365	86435
UN72863	Rsa1.0.00420.1	787	86496	1.00E-104	201	204	98 -	42	245	45120	45323
UN72864	Rsa1.0.02694.1	625	28610	0	396	405	97 +	30	434	6542	6943
UN72865	Rsa1.0.05639.1	753	13084	0	593	606	97 +	128	730	9525	10130
UN72866	Rsa1.0.00182.1	625	142305	1.00E-159	348	369	94 -	257	625	68319	68687
UN72867	Rsa1.0.01977.1	544	36559	1.00E-106	231	243	95 +	182	424	23106	23348
UN72868	Rsa1.0.03615.1	702	21766	0	341	344	99 +	350	692	6065	6408
UN72869	Rsa1.0.00453.1	629	83031	0	455	455	100 +	175	629	7847	8301
UN72870	Rsa1.0.01848.1	666	38312	1.00E-151	289	294	98 +	3	294	1449	1742
UN72871	Rsa1.0.02295.1	395	149884	1.00E-120	284	304	93 -	1	304	12467	12765
UN72872	Rsa1.0.00758.1	366	65477	7.00E-68	207	231	89 -	4	228	49768	49998
UN72873	Rsa1.0.02210.1	433	33857	1.00E-163	398	431	92 +	4	429	30234	30662
UN72874	Rsa1.0.00067.1	180	415055	4.00E-43	162	182	89 +	2	177	241223	241403
UN72875	Rsa1.0.03185.1	383	24739	2.00E-65	211	235	89 +	2	233	2980	3214
UN72876	Rsa1.0.04288.1	747	18077	1.00E-137	262	267	98 +	266	532	8259	8525
UN72877	Rsa1.0.15860.1	489	2385	0	486	489	99 +	1	489	468	956
UN72878	Rsa1.0.00048.1	541	167185	0	517	541	95 -	1	541	162654	163188
UN72879	Rsa1.0.01086.1	490	54509	4.00E-73	239	267	89 +	4	266	49846	50111
UN72880	Rsa1.0.01543.1	516	43645	1.00E-113	295	324	91 +	12	335	7031	7345
UN72881	Rsa1.0.00592.1	176	73788	6.00E-88	173	176	98 +	1	176	61914	62089
UN72882	Rsa1.0.00248.1	166	163568	2.00E-23	86	96	89 +	70	165	40305	40400
UN72883	Rsa1.0.01163.1	645	51946	1.00E-143	273	276	98 -	1	273	16062	16337
UN72884	Rsa1.0.00968.1	160	58020	8.00E-81	158	160	98 +	1	160	21320	21479
UN72885	Rsa1.0.00818.1	442	62939	1.00E-177	410	439	93 -	5	442	36590	37007
UN72886	Rsa1.0.03063.1	665	25673	0	524	557	94 -	117	665	3169	3719
UN72887	Rsa1.0.05683.1	514	12944	7.00E-47	200	229	87 +	92	309	3761	3987
UN72888	Rsa1.0.00044.1	623	271658	0	600	626	95 +	1	623	15864	16485
UN72889	Rsa1.0.14327.1	614	3518	1.00E-177	394	414	95 +	202	614	231	639

UN72890	Rsa1.0_00147.1	807	249503	1.00E-140	256	257	99 +	3	259	233479	233735
UN72891	Rsa1.0_03761.1	783	20982	0	769	803	95 -	3	783	11574	12375
UN72892	Rsa1.0_00930.1	549	59224	1.00E-122	260	270	96 +	280	549	48406	48673
UN72893	Rsa1.0_03284.1	611	24069	1.00E-104	192	192	100 +	356	547	6005	6196
UN72894	Rsa1.0_06303.1	680	11268	1.00E-141	255	255	100 -	115	369	9873	10127
UN72895	Rsa1.0_03118.1	624	25288	0	574	626	91 +	8	624	2906	3504
UN72896	Rsa1.0_00412.1	691	86935	0	688	691	99 +	2	691	19188	19878
UN72897	Rsa1.0_01675.1	792	41155	1.00E-136	246	246	100 +	4	249	12324	12569
UN72898	Rsa1.0_03347.1	178	23588	2.00E-87	176	179	98 -	1	178	17316	17494
UN72899	Rsa1.0_02298.1	724	32872	0	328	328	100 -	397	724	7329	7656
UN72900	Rsa1.0_07811.1	580	8496	1.00E-101	202	207	97 +	2	208	4830	5036
UN72901	Rsa1.0_03191.1	591	145762	0	456	489	93 +	97	583	136997	137478
UN72902	Rsa1.0_01175.1	787	51674	1.00E-126	296	319	92 -	3	321	15647	15953
UN72903	Rsa1.0_01569.1	778	43029	0	645	662	97 -	106	767	24153	24814
UN72904	Rsa1.0_01059.1	709	55410	1.00E-174	388	413	93 -	298	709	15644	16056
UN72905	Rsa1.0_00017.1	587	752458	1.00E-104	198	200	99 -	121	320	304548	304747
UN72906	Rsa1.0_02571.1	736	29995	0	721	756	95 +	1	736	17236	17991
UN72907	Rsa1.0_00119.1	760	467509	1.00E-131	388	437	88 -	2	407	47686	48116
UN72908	Rsa1.0_01994.1	752	36374	0	734	747	98 +	3	745	461	1207
UN72909	Rsa1.0_32050.1	558	711	1.00E-143	264	266	99 +	17	282	1	266
UN72910	Rsa1.0_00630.1	653	71281	0	636	639	99 +	12	650	59449	60087
UN72911	Rsa1.0_02224.1	473	33758	0	470	472	99 +	2	473	4099	4570
UN72912	#	#	#	#	#	#	#	#	#	#	#
UN72913	Rsa1.0_01422.1	684	46172	1.00E-159	353	374	94 +	3	375	27069	27439
UN72914	Rsa1.0_00623.1	485	207630	3.00E-77	150	151	99 -	335	485	203428	203578
UN72915	Rsa1.0_11593.1	646	5464	0	612	621	98 -	27	646	4844	5464
UN72916	Rsa1.0_01506.1	490	44370	7.00E-50	140	153	91 -	8	160	31846	31998
UN72917	Rsa1.0_00057.1	538	160473	0	536	538	99 -	1	538	148143	148680
UN72918	Rsa1.0_00088.1	815	141341	1.00E-150	276	278	99 +	3	280	10112	10389
UN72919	Rsa1.0_00287.1	776	98687	0	346	352	98 -	3	354	30931	31282
UN72920	Rsa1.0_00794.1	442	64063	0	428	439	97 +	5	442	39649	40087
UN72921	Rsa1.0_14034.1	561	3890	1.00E-119	220	221	99 -	94	314	133	353
UN72922	Rsa1.0_00421.1	783	86365	1.00E-141	302	313	96 -	426	733	12826	13138
UN72923	Rsa1.0_00949.1	466	58549	0	441	450	98 -	17	466	43783	44232
UN72924	Rsa1.0_02694.1	764	28610	1.00E-172	378	402	94 +	157	552	6542	6943
UN72925	Rsa1.0_00740.1	781	215972	0	589	590	99 -	192	781	3054	3643
UN72926	Rsa1.0_00125.1	799	253043	0	690	720	95 +	66	766	185036	185754
UN72927	Rsa1.0_00025.1	780	277312	0	461	483	95 +	298	776	64911	65390
UN72928	Rsa1.0_08845.1	737	6867	0	590	608	97 -	112	708	4112	4719

UN72929	Rsa1.0.00921.1	759	59599	0	708	751	94 -	2	744	56935	57665
UN72930	Rsa1.0.00008.1	232	358124	2.00E-79	223	246	90 +	2	232	11311	11555
UN72931	Rsa1.0.03589.1	731	21893	1.00E-154	315	325	96 -	186	508	2117	2441
UN72932	Rsa1.0.00518.1	287	78360	1.00E-157	284	285	99 -	3	287	2127	2411
UN72933	Rsa1.0.00913.1	673	59914	0	355	357	99 +	317	673	10123	10479
UN72934	Rsa1.0.00056.1	682	332604	0	627	680	92 -	3	682	217314	217991
UN72935	Rsa1.0.04486.1	766	17161	0	711	753	94 +	1	745	12433	13173
UN72936	Rsa1.0.18634.1	484	1562	1.00E-155	284	286	99 -	199	484	681	966
UN72937	Rsa1.0.00635.1	581	175826	1.00E-112	235	245	95 +	337	581	108483	108727
UN72938	Rsa1.0.04484.1	731	17172	0	691	711	97 +	22	731	7336	8041
UN72939	Rsa1.0.02662.1	677	28956	0	446	446	100 +	3	448	11942	12387
UN72940	Rsa1.0.01515.1	567	170864	0	465	468	99 -	102	567	158899	159366
UN72941	Rsa1.0.06430.1	253	11034	1.00E-140	252	252	100 -	2	253	810	1061
UN72942	Rsa1.0.03309.1	771	23852	0	765	775	98 +	2	769	8033	8807
UN72943	Rsa1.0.01573.1	816	42964	0	401	404	99 -	108	511	16906	17309
UN72944	Rsa1.0.10909.1	592	5681	0	445	461	96 -	1	460	79	539
UN72945	Rsa1.0.04422.1	827	17423	0	804	829	96 +	5	827	7998	8826
UN72946	Rsa1.0.00733.1	726	66583	0	461	480	96 +	216	694	47557	48033
UN72947	Rsa1.0.01295.1	835	49040	1.00E-104	217	224	96 +	8	229	27544	27767
UN72948	Rsa1.0.03298.1	584	23956	1.00E-102	192	193	99 +	9	201	15641	15833
UN72949	Rsa1.0.00923.1	790	153678	0	571	615	92 +	160	761	45727	46340
UN72950	Rsa1.0.01419.1	792	167402	0	420	439	95 +	38	475	153924	154362
UN72951	Rsa1.0.42632.1	856	526	1.00E-147	366	395	92 -	1	392	122	503
UN72952	Rsa1.0.00354.1	819	232005	0	756	820	92 -	3	813	191273	192079
UN72953	Rsa1.0.00055.1	676	520193	7.00E-91	214	230	93 +	205	425	53758	53987
UN72954	Rsa1.0.00201.1	463	232851	1.00E-173	387	412	93 +	1	409	72586	72994
UN72955	Rsa1.0.08402.1	738	7417	1.00E-157	344	366	93 +	225	577	4202	4567
UN72956	Rsa1.0.01091.1	647	54383	0	423	424	99 -	224	647	8867	9290
UN72957	Rsa1.0.34981.1	603	647	0	476	477	99 -	3	479	25	501
UN72958	Rsa1.0.04308.1	601	17997	0	598	600	99 -	2	601	2694	3293
UN72959	Rsa1.0.04647.1	124	16541	5.00E-23	99	113	87 -	1	109	8743	8851
UN72960	Rsa1.0.00064.1	375	240927	1.00E-29	91	99	91 -	173	271	56374	56472
UN72961	Rsa1.0.00037.1	121	307838	1.00E-32	95	103	92 +	2	104	291972	292074
UN72962	Rsa1.0.03463.1	657	22724	1.00E-155	303	310	97 -	327	635	6487	6796
UN72963	Rsa1.0.07907.1	709	130399	0	369	375	98 +	3	377	3227	3598
UN72964	Rsa1.0.00265.1	199	220635	1.00E-36	91	94	96 -	84	177	160669	160761
UN72965	Rsa1.0.00741.1	338	66117	2.00E-80	199	212	93 -	129	338	19903	20114
UN72966	Rsa1.0.00571.1	688	329018	1.00E-131	311	329	94 -	361	687	2299	2623
UN72967	Rsa1.0.05520.1	819	13450	5.00E-12	83	98	84 +	380	477	2981	3078

UN72968	Rsa1.0.00016.1	728	831256	1.00E-137	248	248	100 +	183	430	282700	282947
UN72969	Rsa1.0.03969.1	563	19797	1.00E-131	289	305	94 +	260	563	6974	7278
UN72970	Rsa1.0.00208.1	492	108565	0	487	492	98 +	1	492	100641	101132
UN72971	Rsa1.0.01196.1	236	51097	6.00E-98	224	237	94 +	1	236	19309	19545
UN72972	Rsa1.0.00778.1	738	196751	0	332	332	100 -	40	371	186640	186971
UN72973	Rsa1.0.18364.1	750	1614	8.00E-63	166	178	93 -	574	750	720	895
UN72974	Rsa1.0.03890.1	605	20223	0	354	357	99 -	3	359	8045	8401
UN72975	Rsa1.0.00425.1	551	147080	1.00E-171	311	313	99 +	239	551	13682	13994
UN72976	Rsa1.0.00998.1	398	57168	0	387	392	98 +	3	394	28557	28948
UN72977	Rsa1.0.02358.1	611	32213	1.00E-166	353	372	94 -	236	607	23200	23571
UN72978	Rsa1.0.00131.1	529	432233	0	392	400	98 -	130	529	384533	384932
UN72979	Rsa1.0.00131.1	637	432233	0	503	514	97 -	126	637	384428	384941
UN72980	Rsa1.0.01270.1	802	49574	0	463	482	96 +	303	775	14104	14585
UN72981	Rsa1.0.00662.1	807	192183	0	465	479	97 +	327	803	180815	181290
UN72982	Rsa1.0.07780.1	800	8589	0	786	798	98 -	3	791	5783	6580
UN72983	Rsa1.0.00339.1	332	222974	1.00E-132	305	326	93 -	1	325	66740	67065
UN72984	Rsa1.0.01010.1	543	56906	0	371	373	99 -	46	418	33931	34303
UN72985	Rsa1.0.18896.1	769	1515	0	626	645	97 +	111	743	26	670
UN72986	Rsa1.0.01058.1	686	55430	3.00E-99	367	424	86 +	1	412	28079	28496
UN72987	Rsa1.0.00689.1	778	68305	2.00E-82	187	196	95 +	506	700	31587	31782
UN72988	Rsa1.0.14032.1	644	3893	0	385	385	100 -	1	385	367	751
UN72989	Rsa1.0.00931.1	193	59210	4.00E-80	183	193	94 -	1	193	26926	27115
UN72990	Rsa1.0.00193.1	372	194198	1.00E-109	278	302	92 -	79	372	102943	103242
UN72991	Rsa1.0.00483.1	604	81102	1.00E-100	207	214	96 +	371	584	75566	75779
UN72992	Rsa1.0.03038.1	658	25824	0	473	493	95 +	68	560	13908	14395
UN72993	Rsa1.0.02003.1	780	36171	0	592	594	99 -	2	595	9805	10398
UN72994	Rsa1.0.01072.1	344	55068	1.00E-149	282	287	98 -	1	287	9067	9353
UN72995	Rsa1.0.00003.1	596	340054	0	589	595	98 +	3	596	181085	181678
UN72996	Rsa1.0.01510.1	794	44237	1.00E-148	340	363	93 +	384	745	18824	19186
UN72997	Rsa1.0.11448.1	761	5504	0	378	388	97 -	33	420	302	689
UN72998	Rsa1.0.00037.1	657	307838	7.00E-60	127	130	97 -	518	647	59470	59599
UN72999	Rsa1.0.00121.1	736	278029	1.00E-138	300	318	94 +	396	713	3405	3713
UN73000	Rsa1.0.00713.1	768	158017	0	746	767	97 +	2	768	43299	44065
UN73001	Rsa1.0.16260.1	672	2222	0	465	486	95 +	196	672	1	486
UN73002	Rsa1.0.01198.1	490	51029	4.00E-67	209	236	88 +	2	235	7660	7885
UN73003	#	#	#	#	#	#	#	#	#	#	#
UN73004	Rsa1.0.02373.1	625	32048	0	390	408	95 +	218	625	7685	8091
UN73005	Rsa1.0.00214.1	678	107508	1.00E-104	241	255	94 -	1	254	32701	32952
UN73006	Rsa1.0.14560.1	634	3267	4.00E-92	172	172	100 -	329	500	2944	3115

UN73007	Rsa1.0.00891.1	724	60724	3.00E-90	215	225	95 +	496	716	20751	20975
UN73008	Rsa1.0.01975.1	552	36578	0	524	553	94 -	1	552	4293	4840
UN73009	Rsa1.0.00068.1	666	151813	7.00E-91	170	170	100 -	497	666	121927	122096
UN73010	Rsa1.0.01022.1	703	56606	8.00E-26	145	169	85 +	409	574	13634	13802
UN73011	Rsa1.0.00948.1	760	58620	1.00E-89	181	184	98 +	567	749	1011	1194
UN73012	Rsa1.0.03177.1	652	24799	1.00E-101	208	215	96 +	198	412	2915	3129
UN73013	Rsa1.0.03836.1	826	20564	0	688	709	97 -	124	820	16827	17535
UN73014	#	#	#	#	#	#	#	#	#	#	#
UN73015	Rsa1.0.03092.1	632	25448	1.00E-112	211	213	99 -	420	632	7201	7413
UN73016	Rsa1.0.00108.1	653	478491	1.00E-172	330	338	97 +	316	653	114763	115100
UN73017	Rsa1.0.00802.1	618	63846	1.00E-79	151	151	100 +	3	153	14295	14445
UN73018	Rsa1.0.00094.1	730	139042	1.00E-160	332	347	95 +	7	353	37898	38244
UN73019	Rsa1.0.02429.1	758	31527	1.00E-148	284	290	97 +	377	666	12481	12770
UN73020	Rsa1.0.05410.1	797	13840	1.00E-154	375	401	93 -	3	395	10681	11075
UN73021	Rsa1.0.00964.1	691	316648	2.33E-156	269	270	99 +	422	690	165354	165623
UN73022	Rsa1.0.02204.1	692	33930	7.00E-88	165	165	100 +	370	534	21382	21546
UN73023	Rsa1.0.02769.1	689	28107	1.00E-125	474	553	85 -	157	689	16289	16841
UN73024	Rsa1.0.01169.1	793	51829	0	791	796	99 +	1	793	39058	39853
UN73025	Rsa1.0.00082.1	647	237584	0	634	675	93 +	3	644	39234	39908
UN73026	Rsa1.0.01237.1	453	50124	0	438	456	96 +	1	453	3399	3843
UN73027	Rsa1.0.08779.1	758	6929	0	615	639	96 +	126	758	2033	2671
UN73028	Rsa1.0.04634.1	714	16578	1.00E-131	251	255	98 +	2	253	8564	8818
UN73029	Rsa1.0.05610.1	577	13194	0	369	370	99 -	208	577	295	664
UN73030	Rsa1.0.01311.1	477	48456	0	453	471	96 -	1	469	29168	29638
UN73031	Rsa1.0.00261.1	378	151157	1.00E-105	203	206	98 +	173	378	3065	3270
UN73032	Rsa1.0.17011.1	689	1953	1.00E-114	215	217	99 -	302	518	952	1168
UN73033	Rsa1.0.00522.1	523	78103	1.00E-108	283	312	90 -	229	523	44703	45008
UN73034	Rsa1.0.00796.1	725	63997	0	539	585	92 -	122	694	58634	59216
UN73035	Rsa1.0.04806.1	546	15898	1.00E-160	328	343	95 +	204	546	7302	7636
UN73036	Rsa1.0.04835.1	737	15766	8.00E-97	186	188	98 -	244	431	14540	14727
UN73037	Rsa1.0.04646.1	626	16541	0	365	370	98 -	259	626	11839	12208
UN73038	Rsa1.0.01681.1	722	41092	0	446	479	93 +	252	722	11930	12393
UN73039	Rsa1.0.00094.1	817	139042	0	521	544	95 -	284	817	8393	8933
UN73040	Rsa1.0.01996.1	569	36327	2.33E-156	262	262	100 -	23	284	888	1149
UN73041	Rsa1.0.05875.1	730	12348	0	708	726	97 -	1	726	10482	11203
UN73042	Rsa1.0.00023.1	417	194764	1.00E-169	395	426	92 -	1	417	118311	118736
UN73043	Rsa1.0.03786.1	615	20879	1.00E-148	298	306	97 +	3	306	14901	15206
UN73044	Rsa1.0.03229.1	495	24470	1.00E-117	284	310	91 -	1	310	12170	12461
UN73045	Rsa1.0.00065.1	594	454616	1.00E-149	273	275	99 +	306	580	162365	162639

UN73046	Rsa1.0.06775.1	460	10379	1.00E-66	169	181	93 +	3	182	6378	6558
UN73047	Rsa1.0.00363.1	808	90968	0	389	398	97 -	395	787	9383	9780
UN73048	Rsa1.0.05489.1	789	13562	0	378	388	97 -	244	631	6801	7188
UN73049	#	#	#	#	#	#	#	#	#	#	#
UN73050	Rsa1.0.00413.1	775	86921	0	533	590	90 +	70	650	63349	63927
UN73051	Rsa1.0.02534.1	750	30396	1.00E-107	198	198	100 -	3	200	5455	5652
UN73052	Rsa1.0.00223.1	620	106231	1.00E-120	278	295	94 +	232	526	40246	40538
UN73053	Rsa1.0.04870.1	787	135142	0	407	420	96 -	244	660	4854	5273
UN73054	Rsa1.0.07025.1	692	10012	1.00E-170	318	323	98 -	185	507	8771	9093
UN73055	Rsa1.0.02951.1	718	26505	0	418	439	95 +	3	435	11380	11818
UN73056	Rsa1.0.01541.1	188	43682	6.00E-76	171	180	95 -	9	188	7085	7264
UN73057	Rsa1.0.01147.1	704	52391	3.00E-93	205	214	95 -	4	217	48611	48823
UN73058	Rsa1.0.00121.1	729	278029	1.00E-104	235	246	95 +	464	700	86219	86463
UN73059	Rsa1.0.02231.1	749	33661	1.00E-147	298	308	96 -	173	478	22003	22310
UN73060	Rsa1.0.02948.1	743	26526	8.00E-94	192	197	97 -	471	667	8083	8276
UN73061	Rsa1.0.00300.1	491	97747	2.33E-156	275	279	98 -	213	491	75929	76207
UN73062	Rsa1.0.00173.1	437	288743	1.00E-106	196	196	100 +	1	196	282169	282364
UN73063	Rsa1.0.02935.1	540	26621	1.00E-134	260	266	97 +	1	266	18675	18940
UN73064	Rsa1.0.04862.1	767	15688	0	749	766	97 +	3	767	5042	5802
UN73065	Rsa1.0.02663.1	779	169243	1.00E-140	253	253	100 +	3	255	167801	168053
UN73066	Rsa1.0.01839.1	465	38482	2.00E-93	373	438	85 -	27	463	9338	9775
UN73067	Rsa1.0.00121.1	717	278029	1.00E-109	201	201	100 +	1	201	76626	76826
UN73068	Rsa1.0.05264.1	632	14327	1.00E-112	428	499	85 -	122	615	13225	13717
UN73069	Rsa1.0.00129.1	562	126831	0	446	447	99 +	3	448	87876	88322
UN73070	Rsa1.0.00136.1	822	122464	0	621	645	96 +	67	708	59232	59876
UN73071	Rsa1.0.05618.1	561	13165	3.00E-74	197	213	92 +	160	364	4478	4690
UN73072	Rsa1.0.32947.1	591	690	0	462	475	97 +	95	568	1	475
UN73073	Rsa1.0.00471.1	591	81897	1.00E-132	242	243	99 -	349	591	10578	10820
UN73074	Rsa1.0.00608.1	771	172672	0	660	699	94 +	85	771	111865	112560
UN73075	Rsa1.0.00013.1	747	292129	0	717	761	94 -	1	747	29282	30040
UN73076	Rsa1.0.00575.1	711	74791	0	690	707	97 -	3	708	16825	17531
UN73077	Rsa1.0.00827.1	161	62790	4.00E-67	144	149	96 +	13	161	33611	33759
UN73078	Rsa1.0.02202.1	677	33961	0	669	674	99 +	3	673	16967	17639
UN73079	Rsa1.0.00074.1	754	147591	0	734	752	97 +	3	752	72391	73142
UN73080	Rsa1.0.01638.1	804	41857	0	772	808	95 +	2	803	2610	3417
UN73081	Rsa1.0.02079.1	708	35306	0	701	707	99 +	2	708	31988	32694
UN73082	Rsa1.0.03394.1	565	23247	0	564	565	99 +	1	565	20037	20601
UN73083	Rsa1.0.00111.1	778	390088	0	721	748	96 -	4	747	189543	190290
UN73084	Rsa1.0.01413.1	668	46275	1.00E-144	295	307	96 +	2	308	20530	20836

UN73085	Rsa1.0_00925.1	547	59481	1.00E-127	231	231	100 +	262	492	42656	42886
UN73086	Rsa1.0_00166.1	676	240912	0	567	595	95 -	84	676	128126	128720
UN73087	Rsa1.0_00382.1	119	251946	7.00E-56	119	121	98 -	1	119	244796	244916
UN73088	Rsa1.0_05943.1	247	12158	1.00E-59	135	141	95 -	107	247	3238	3378
UN73089	Rsa1.0_00155.1	619	118465	1.00E-108	261	280	93 +	6	278	51119	51395
UN73090	Rsa1.0_15469.1	636	2587	4.00E-86	226	246	91 -	112	356	234	479
UN73091	Rsa1.0_03037.1	690	25825	7.00E-91	182	185	98 +	3	185	7502	7686
UN73092	Rsa1.0_02210.1	522	33857	0	404	412	98 -	111	522	12177	12585
UN73093	Rsa1.0_00067.1	774	415055	0	718	745	96 +	3	741	296539	297283
UN73094	Rsa1.0_03141.1	239	25061	1.00E-119	231	235	98 -	5	239	19370	19602
UN73095	Rsa1.0_00407.1	606	191544	1.00E-132	347	383	90 +	3	385	178470	178827
UN73096	Rsa1.0_00006.1	141	396176	1.00E-57	134	141	95 -	1	141	2924	3064
UN73097	Rsa1.0_00300.1	396	97747	0	387	402	96 +	2	396	75785	76186
UN73098	Rsa1.0_02426.1	769	31564	0	415	430	96 +	13	442	5874	6296
UN73099	Rsa1.0_00034.1	791	260119	0	756	799	94 +	1	791	394	1183
UN73100	Rsa1.0_00422.1	635	86144	1.00E-143	301	315	95 -	2	316	84543	84854
UN73101	Rsa1.0_03894.1	682	20207	1.00E-119	239	245	97 -	3	247	19453	19696
UN73102	Rsa1.0_00556.1	531	207212	0	350	351	99 -	181	531	15470	15820
UN73103	Rsa1.0_02060.1	699	35528	0	404	410	98 -	289	698	4207	4616
UN73104	Rsa1.0_10341.1	330	5881	1.00E-154	319	331	96 -	2	330	5331	5661
UN73105	Rsa1.0_01670.1	630	41260	0	509	541	94 +	93	630	14491	15031
UN73106	Rsa1.0_09500.1	763	6330	0	691	693	99 +	2	693	1113	1805
UN73107	Rsa1.0_01045.1	780	55853	0	374	378	98 -	2	378	39314	39691
UN73108	Rsa1.0_00623.1	764	207630	0	419	432	96 -	334	764	152765	153196
UN73109	Rsa1.0_03191.1	668	145762	0	555	572	97 +	99	668	138126	138691
UN73110	Rsa1.0_03142.1	612	25043	0	611	612	99 -	1	612	4402	5013
UN73111	Rsa1.0_00479.1	681	81377	0	367	379	96 +	169	547	79515	79893
UN73112	Rsa1.0_00040.1	695	324196	0	523	529	98 -	3	531	219413	219941
UN73113	Rsa1.0_00790.1	210	148693	1.00E-108	208	210	99 +	1	210	19481	19689
UN73114	Rsa1.0_04299.1	123	18027	5.00E-63	122	122	100 +	2	123	734	855
UN73115	Rsa1.0_00078.1	642	175053	0	616	641	96 -	2	642	79670	80310
UN73116	Rsa1.0_00015.1	534	561803	1.00E-176	322	324	99 +	209	532	323683	324004
UN73117	Rsa1.0_00692.1	757	68151	0	755	760	99 -	1	757	33519	34278
UN73118	Rsa1.0_02839.1	764	27391	0	465	511	90 +	277	764	15763	16270
UN73119	Rsa1.0_00462.1	788	82288	0	441	444	99 +	3	446	1093	1536
UN73120	Rsa1.0_00301.1	786	365315	1.00E-115	217	219	99 +	6	224	87944	88162
UN73121	Rsa1.0_00131.1	771	432233	1.00E-128	233	233	100 +	539	771	268866	269098
UN73122	Rsa1.0_00875.1	789	61371	0	748	755	99 -	39	789	9931	10685
UN73123	Rsa1.0_01092.1	623	54348	2.00E-91	177	179	98 +	202	380	52547	52725

UN73124	Rsa1.0_00782.1	676	64468	1.00E-150	444	501	88 -	159	647	38348	38833
UN73125	Rsa1.0_05632.1	763	13120	2.00E-66	176	185	95 +	584	763	9507	9691
UN73126	Rsa1.0_06630.1	447	10633	1.00E-140	253	253	100 -	195	447	1778	2030
UN73127	Rsa1.0_00136.1	364	122464	0	364	365	99 -	1	364	26005	26369
UN73128	Rsa1.0_00041.1	695	186197	0	386	391	98 +	310	695	39147	39537
UN73129	Rsa1.0_00070.1	794	150321	1.00E-116	221	224	98 -	18	241	101864	102087
UN73130	Rsa1.0_01402.1	785	46509	4.00E-83	175	180	97 +	1	180	2919	3096
UN73131	Rsa1.0_01367.1	633	47135	1.00E-112	215	218	98 +	376	593	2069	2286
UN73132	Rsa1.0_01578.1	766	42880	1.00E-105	248	266	93 +	319	584	41438	41703
UN73133	Rsa1.0_68499.1	768	335	1.00E-121	227	229	99 +	285	513	1	229
UN73134	Rsa1.0_13919.1	682	4093	1.00E-137	257	260	98 -	67	326	2225	2484
UN73135	Rsa1.0_00565.1	412	75420	0	410	417	98 +	1	412	20985	21401
UN73136	Rsa1.0_00642.1	555	201230	0	524	551	95 -	5	555	180130	180679
UN73137	Rsa1.0_00244.1	748	103590	0	562	566	99 +	1	563	83592	84157
UN73138	Rsa1.0_02719.1	220	28428	2.00E-57	190	218	87 -	3	220	10287	10492
UN73139	Rsa1.0_00233.1	742	104918	1.00E-141	254	254	100 +	404	657	33041	33294
UN73140	Rsa1.0_00130.1	733	125737	1.00E-123	274	288	95 +	447	733	103102	103387
UN73141	Rsa1.0_05611.1	860	13193	0	562	562	100 +	1	562	5085	5646
UN73142	Rsa1.0_49425.1	708	459	1.00E-89	191	198	96 +	2	196	262	459
UN73143	Rsa1.0_03613.1	304	21773	1.00E-115	254	268	94 +	6	270	19774	20041
UN73144	Rsa1.0_00338.1	662	94109	1.00E-150	270	270	100 +	1	270	34848	35117
UN73145	Rsa1.0_05593.1	141	13235	3.00E-55	133	141	94 -	1	141	9774	9914
UN73146	Rsa1.0_02601.1	658	29654	0	429	444	96 +	1	439	19829	20269
UN73147	Rsa1.0_02076.1	300	153121	1.00E-141	287	298	96 -	3	300	33612	33909
UN73148	Rsa1.0_00079.1	309	606987	1.00E-75	162	168	96 +	1	168	198961	199128
UN73149	Rsa1.0_00273.1	490	326186	3.00E-89	179	183	97 -	1	183	44402	44584
UN73150	Rsa1.0_13399.1	617	4866	0	429	445	96 +	1	435	2365	2809
UN73151	Rsa1.0_02601.1	503	29654	1.00E-156	327	343	95 -	1	343	4759	5101
UN73152	Rsa1.0_06689.1	531	10535	0	484	514	94 +	18	531	5333	5845
UN73153	Rsa1.0_02168.1	791	34367	0	783	785	99 -	1	783	7888	8672
UN73154	Rsa1.0_00533.1	488	77375	0	467	478	97 +	1	476	36571	37048
UN73155	Rsa1.0_02784.1	703	27881	0	679	706	96 +	1	703	27079	27781
UN73156	Rsa1.0_00713.1	766	158017	5.00E-64	149	157	94 -	610	766	152241	152397
UN73157	#	#	#	#	#	#	#	#	#	#	#
UN73158	Rsa1.0_00128.1	444	228675	1.00E-125	237	240	98 -	205	444	9435	9674
UN73159	Rsa1.0_00010.1	500	294827	0	414	423	97 -	78	500	170150	170570
UN73160	Rsa1.0_00070.1	592	150321	1.00E-142	308	323	95 +	1	319	41826	42144
UN73161	Rsa1.0_05639.1	549	13084	1.00E-152	321	334	96 -	1	328	11728	12061
UN73162	Rsa1.0_01184.1	458	51452	0	445	458	97 -	1	458	50627	51083

UN73163	Rsa1.0_13944.1	585	4039	0	374	375	99 +	1	375	3665	4039
UN73164	Rsa1.0_00550.1	586	210790	1.00E-138	291	304	95 +	1	301	177884	178187
UN73165	Rsa1.0_00013.1	659	292129	0	647	663	97 +	1	659	28199	28861
UN73166	Rsa1.0_00575.1	681	74791	0	654	683	95 +	2	681	16069	16749
UN73167	Rsa1.0_00827.1	819	62790	1.00E-104	240	253	94 -	12	257	35313	35565
UN73168	Rsa1.0_48565.1	181	466	2.00E-38	150	173	86 +	4	176	145	317
UN73169	Rsa1.0_00757.1	164	65559	4.00E-64	154	164	93 -	1	164	41812	41975
UN73170	Rsa1.0_00126.1	148	127534	2.00E-35	85	88	96 +	1	88	114227	114314
UN73171	Rsa1.0_01413.1	522	46275	0	388	394	98 -	1	393	21598	21991
UN73172	Rsa1.0_00931.1	292	59210	1.00E-159	290	292	99 +	1	292	44757	45048
UN73173	Rsa1.0_00067.1	504	415055	0	471	505	93 -	4	504	297062	297565
UN73174	Rsa1.0_03141.1	507	25061	0	477	507	94 +	5	507	16317	16813
UN73175	Rsa1.0_00407.1	583	191544	0	427	434	98 -	10	440	181703	182136
UN73176	Rsa1.0_00422.1	145	86144	6.00E-32	120	134	89 +	12	145	82976	83102
UN73177	Rsa1.0_00511.1	776	78616	0	602	638	94 +	145	776	29458	30092
UN73178	Rsa1.0_07909.1	769	8315	0	443	457	96 -	276	732	5908	6361
UN73179	Rsa1.0_00921.1	707	59599	0	695	714	97 +	1	707	56008	56721
UN73180	Rsa1.0_05906.1	673	12270	0	624	660	94 +	3	646	5628	6286
UN73181	Rsa1.0_00015.1	601	561803	1.00E-174	309	309	100 -	1	309	408125	408433
UN73182	Rsa1.0_00765.1	268	65029	1.00E-101	211	219	96 +	1	219	25110	25328
UN73183	Rsa1.0_00472.1	118	398134	5.00E-35	105	115	91 +	4	118	18832	18946
UN73184	Rsa1.0_01045.1	660	55853	0	410	428	95 +	1	422	25663	26087
UN73185	Rsa1.0_32106.1	490	710	0	470	489	96 +	5	490	200	687
UN73186	Rsa1.0_00635.1	530	175826	0	488	532	91 -	22	530	109263	109793
UN73187	Rsa1.0_00779.1	714	64568	0	700	714	98 -	1	714	19814	20527
UN73188	Rsa1.0_04484.1	753	17172	0	741	755	98 -	1	753	8512	9266
UN73189	Rsa1.0_00082.1	583	237584	0	565	585	96 -	2	583	106229	106813
UN73190	Rsa1.0_03782.1	721	20891	1.00E-111	251	265	94 +	2	265	14800	15060
UN73191	Rsa1.0_00915.1	690	194446	0	641	701	91 -	1	684	171033	171718
UN73192	Rsa1.0_02295.1	636	149884	0	325	326	99 +	3	328	145940	146265
UN73193	Rsa1.0_02207.1	445	33914	0	431	440	97 +	1	440	13572	14011
UN73194	Rsa1.0_00078.1	483	175053	1.00E-155	382	414	92 -	1	411	72060	72470
UN73195	Rsa1.0_00710.1	480	67325	4.00E-82	245	275	89 -	185	459	43976	44250
UN73196	Rsa1.0_03258.1	766	24302	0	474	503	94 -	277	766	11310	11812
UN73197	Rsa1.0_01049.1	598	55655	0	586	598	97 +	1	598	9376	9973
UN73198	Rsa1.0_01373.1	809	47052	0	796	800	99 +	3	802	8884	9683
UN73199	Rsa1.0_02742.1	752	28284	0	419	420	99 -	1	420	27033	27452
UN73200	Rsa1.0_00843.1	685	62411	1.00E-179	424	463	91 -	230	683	52677	53127
UN73201	Rsa1.0_02315.1	593	32618	1.00E-124	232	234	99 -	2	235	6932	7165

UN73202	Rsa1.0.00763.1	268	65121	1.00E-117	252	265	95 +	1	265	59141	59405
UN73203	Rsa1.0.08427.1	607	7371	1.00E-177	318	319	99 -	2	320	1	319
UN73204	Rsa1.0.00014.1	224	348985	1.00E-86	208	222	93 -	4	224	164935	165156
UN73205	Rsa1.0.01994.1	534	36374	0	532	533	99 -	2	534	2047	2579
UN73206	Rsa1.0.57826.1	434	396	1.00E-115	244	255	95 -	41	295	142	396
UN73207	Rsa1.0.00017.1	460	752458	0	437	457	95 +	3	459	369464	369918
UN73208	Rsa1.0.14850.1	330	3014	1.00E-110	211	213	99 -	3	213	542	754
UN73209	Rsa1.0.00351.1	103	413096	4.00E-38	98	103	95 +	1	103	132552	132652
UN73210	Rsa1.0.00740.1	130	215972	7.00E-50	121	128	94 +	3	130	3178	3305
UN73211	Rsa1.0.00125.1	747	253043	0	631	703	89 -	56	747	186581	187256
UN73212	Rsa1.0.06312.1	181	11253	3.00E-77	174	182	95 -	1	181	2644	2825
UN73213	Rsa1.0.00130.1	115	125737	1.00E-20	76	83	91 +	1	82	32147	32229
UN73214	Rsa1.0.00459.1	669	82580	1.00E-135	262	268	97 +	1	268	56659	56926
UN73215	Rsa1.0.66994.1	533	342	1.00E-170	327	335	97 -	79	413	7	341
UN73216	Rsa1.0.00690.1	659	140527	0	392	407	96 -	102	505	63111	63517
UN73217	Rsa1.0.00595.1	565	341648	1.00E-112	221	226	97 -	274	499	3395	3620
UN73218	Rsa1.0.00657.1	715	69858	0	656	699	93 +	27	715	1491	2188
UN73219	Rsa1.0.00461.1	357	82509	1.00E-47	130	141	92 +	217	357	77042	77182
UN73220	Rsa1.0.00100.1	689	249232	0	364	376	96 -	1	376	179062	179436
UN73221	Rsa1.0.02562.1	411	30061	2.00E-93	207	218	94 -	1	218	10332	10549
UN73222	Rsa1.0.05599.1	126	143653	7.00E-50	118	124	95 +	3	126	141278	141401
UN73223	Rsa1.0.00382.1	150	251946	3.00E-37	139	159	87 -	1	150	111414	111571
UN73224	Rsa1.0.05900.1	543	12295	1.00E-156	282	283	99 +	231	513	3588	3870
UN73225	Rsa1.0.01400.1	541	46560	0	410	430	95 -	1	430	13162	13589
UN73226	Rsa1.0.00336.1	603	445051	0	530	566	93 +	39	603	221187	221740
UN73227	Rsa1.0.00638.1	643	71037	0	406	408	99 +	1	408	6138	6545
UN73228	Rsa1.0.01122.1	170	53369	3.00E-77	164	170	96 +	1	170	52789	52958
UN73229	Rsa1.0.00069.1	674	403561	1.00E-158	303	309	98 -	1	306	16156	16464
UN73230	Rsa1.0.00418.1	519	215377	0	500	521	95 +	4	519	201867	202381
UN73231	Rsa1.0.00233.1	767	104918	1.00E-131	251	254	98 +	370	622	33041	33294
UN73232	Rsa1.0.27849.1	788	837	0	526	546	96 +	251	788	49	594
UN73233	Rsa1.0.18261.1	533	1633	0	507	534	94 -	2	533	438	971
UN73234	Rsa1.0.00193.1	714	194198	0	623	665	93 -	2	645	122857	123521
UN73235	Rsa1.0.00736.1	717	66455	0	452	478	94 +	240	717	36021	36490
UN73236	Rsa1.0.00015.1	670	561803	1.00E-116	233	240	97 -	201	440	429798	430037
UN73237	Rsa1.0.00265.1	336	220635	1.00E-140	284	293	96 -	1	292	139882	140174
UN73238	Rsa1.0.00025.1	165	277312	2.00E-60	152	163	93 +	3	165	231581	231739
UN73239	Rsa1.0.00895.1	872	60615	1.00E-157	306	314	97 -	184	497	59916	60229
UN73240	Rsa1.0.00342.1	108	93695	2.00E-40	102	108	94 +	1	108	79973	80080

UN73241	Rsa1.0.00657.1	159	69858	5.00E-11	59	67	88 +	78	144	58113	58179
UN73242	Rsa1.0.00037.1	251	307838	1.00E-93	232	250	92 +	3	251	56900	57149
UN73243	Rsa1.0.01112.1	737	310601	1.00E-101	223	235	94 -	180	414	292804	293038
UN73244	Rsa1.0.00713.1	798	158017	0	784	797	98 -	2	798	44038	44832
UN73245	Rsa1.0.00453.1	807	83031	0	804	806	99 -	2	807	8282	9087
UN73246	Rsa1.0.02374.1	112	32043	4.00E-20	97	112	86 +	3	111	25572	25683
UN73247	Rsa1.0.00142.1	381	121474	1.00E-100	215	225	95 -	4	228	62984	63208
UN73248	Rsa1.0.01384.1	244	46803	4.00E-96	223	238	93 -	2	239	20756	20993
UN73249	Rsa1.0.04308.1	507	17997	0	499	506	98 +	2	507	1595	2100
UN73250	Rsa1.0.02496.1	684	30814	1.00E-141	287	297	96 +	2	298	14690	14984
UN73251	Rsa1.0.00074.1	524	147591	0	494	523	94 -	4	518	73249	73771
UN73252	Rsa1.0.00868.1	287	61630	1.00E-81	254	287	88 +	1	287	58105	58387
UN73253	Rsa1.0.06151.1	844	11612	0	423	443	95 -	255	694	9739	10181
UN73254	Rsa1.0.01958.1	653	261128	1.00E-126	230	230	100 +	1	230	119366	119595
UN73255	Rsa1.0.00741.1	779	66117	0	724	788	91 +	18	779	32567	33350
UN73256	Rsa1.0.01270.1	577	49574	1.00E-162	379	404	93 +	1	399	29169	29567
UN73257	Rsa1.0.07334.1	533	9547	1.00E-141	279	287	97 -	1	287	683	969
UN73258	Rsa1.0.00387.1	698	495407	0	665	699	95 -	2	698	28358	29051
UN73259	Rsa1.0.07945.1	243	8206	1.00E-102	240	259	92 +	1	243	2285	2543
UN73260	#	#	#	#	#	#	#	#	#	#	#
UN73261	Rsa1.0.03223.1	513	24512	0	466	500	93 +	14	510	9260	9757
UN73262	Rsa1.0.03778.1	249	20908	4.00E-96	217	230	94 -	1	230	8620	8849
UN73263	Rsa1.0.00374.1	673	165738	0	386	394	97 +	280	673	98215	98608
UN73264	Rsa1.0.00085.1	654	142226	0	531	566	93 -	1	566	56770	57317
UN73265	Rsa1.0.09840.1	388	6123	1.00E-149	279	283	98 +	106	388	5047	5329
UN73266	Rsa1.0.05812.1	470	12571	1.00E-110	304	332	91 -	58	386	2218	2545
UN73267	Rsa1.0.02686.1	685	28666	0	461	481	95 +	1	481	23414	23879
UN73268	Rsa1.0.00446.1	604	167829	0	589	603	97 +	1	603	138894	139496
UN73269	Rsa1.0.06493.1	726	10906	1.00E-174	370	389	95 +	339	726	1346	1734
UN73270	Rsa1.0.00153.1	658	192931	1.00E-128	274	288	95 -	375	656	143131	143418
UN73271	Rsa1.0.02602.1	707	29653	0	482	486	99 -	1	486	13712	14197
UN73272	Rsa1.0.00101.1	333	267193	1.00E-124	228	229	99 +	1	229	236805	237033
UN73273	Rsa1.0.00775.1	752	64793	0	699	750	93 -	5	752	55224	55946
UN73274	Rsa1.0.00707.1	338	190112	1.00E-87	178	182	97 +	1	179	187831	188012
UN73275	Rsa1.0.00033.1	501	515811	0	489	503	97 -	2	501	357669	358169
UN73276	Rsa1.0.02839.1	701	27391	0	685	710	96 -	1	701	16263	16969
UN73277	Rsa1.0.01913.1	686	37363	1.00E-152	296	304	97 -	1	304	27662	27965
UN73278	Rsa1.0.15062.1	523	2857	1.00E-169	359	376	95 -	139	513	1	374
UN73279	Rsa1.0.00087.1	165	761073	2.00E-50	146	160	91 -	5	162	581184	581343

UN73280	Rsa1.0_04088.1	240	19150	1.00E-108	230	238	96 -	1	236	18681	18917
UN73281	Rsa1.0_01605.1	188	42442	3.00E-74	175	185	94 +	1	184	7066	7250
UN73282	Rsa1.0_03141.1	762	25061	0	610	624	97 +	2	625	6573	7196
UN73283	Rsa1.0_00016.1	207	831256	8.00E-97	200	207	96 +	1	207	225553	225759
UN73284	Rsa1.0_00353.1	643	92242	0	361	362	99 +	1	362	16440	16801
UN73285	Rsa1.0_00344.1	734	191774	1.00E-168	384	407	94 -	1	404	104082	104476
UN73286	Rsa1.0_05322.1	768	14154	0	695	712	97 +	57	768	765	1474
UN73287	Rsa1.0_02841.1	315	27383	1.00E-129	269	281	95 -	35	315	19034	19314
UN73288	Rsa1.0_00878.1	247	330303	1.00E-12	96	114	84 +	106	219	118200	118312
UN73289	Rsa1.0_18628.1	536	1562	1.00E-134	252	255	98 +	1	255	488	742
UN73290	Rsa1.0_00317.1	214	218290	5.00E-89	202	214	94 +	1	214	72578	72791
UN73291	Rsa1.0_04124.1	510	18945	2.00E-71	161	169	95 -	39	207	3327	3495
UN73292	Rsa1.0_05569.1	556	13311	0	470	492	95 +	1	486	4098	4579
UN73293	Rsa1.0_05878.1	125	12344	3.00E-36	115	125	92 +	1	125	8244	8366
UN73294	Rsa1.0_02442.1	108	31355	7.00E-31	99	108	91 +	1	108	12583	12689
UN73295	Rsa1.0_04027.1	282	19501	7.00E-92	213	227	93 +	5	231	3004	3230
UN73296	Rsa1.0_16475.1	154	2143	1.00E-30	89	96	92 -	55	150	1195	1290
UN73297	Rsa1.0_04422.1	824	17423	0	822	826	99 -	1	824	8720	9545
UN73298	Rsa1.0_00168.1	612	115870	1.00E-144	263	264	99 -	1	264	36111	36374
UN73299	Rsa1.0_00265.1	603	220635	0	468	484	96 +	2	482	159678	160158
UN73300	Rsa1.0_00065.1	761	454616	0	713	735	97 +	29	761	414598	415327
UN73301	Rsa1.0_00165.1	655	116466	1.00E-137	302	318	94 -	1	317	7613	7928
UN73302	Rsa1.0_00301.1	355	365315	1.00E-145	338	358	94 +	1	350	320789	321146
UN73303	Rsa1.0_00912.1	167	59923	2.00E-29	75	78	96 +	59	136	37361	37438
UN73304	Rsa1.0_06677.1	190	10560	1.00E-86	184	190	96 +	1	190	10073	10261
UN73305	#	#	#	#	#	#	#	#	#	#	#
UN73306	Rsa1.0_00623.1	728	207630	0	691	728	94 +	2	728	159867	160582
UN73307	Rsa1.0_14001.1	150	3933	3.00E-31	84	89	94 -	1	89	1890	1978
UN73308	Rsa1.0_02670.1	282	28887	1.00E-105	264	284	92 +	1	280	3888	4170
UN73309	Rsa1.0_01002.1	565	57063	1.00E-144	320	340	94 -	226	565	4273	4612
UN73310	Rsa1.0_01045.1	504	55853	3.00E-92	188	192	97 +	56	246	37366	37557
UN73311	Rsa1.0_00078.1	770	175053	0	745	795	93 +	1	770	78763	79557
UN73312	Rsa1.0_00692.1	676	68151	0	676	677	99 +	1	676	32399	33075
UN73313	Rsa1.0_06302.1	367	11269	2.33E-156	339	363	93 +	5	367	2128	2489
UN73314	Rsa1.0_01232.1	326	155185	1.00E-87	194	204	95 +	123	326	108873	109076
UN73315	Rsa1.0_22290.1	535	1133	2.00E-84	159	159	100 +	144	302	75	233
UN73316	#	#	#	#	#	#	#	#	#	#	#
UN73317	Rsa1.0_00919.1	747	59675	0	745	747	99 -	1	747	51215	51961
UN73318	Rsa1.0_01162.1	668	169104	0	351	360	97 +	1	360	144531	144890

UN73319	Rsa1.0.03413.1	485	23137	0	470	485	96 -	1	485	8344	8826
UN73320	Rsa1.0.00844.1	778	62403	0	530	546	97 -	1	546	41735	42280
UN73321	Rsa1.0.00037.1	736	307838	1.00E-15	170	212	80 +	525	736	234562	234773
UN73322	Rsa1.0.00802.1	659	63846	1.00E-156	283	284	99 -	1	284	17081	17364
UN73323	Rsa1.0.00435.1	556	317579	1.00E-160	292	294	99 +	1	294	2616	2909
UN73324	Rsa1.0.00083.1	726	442773	1.00E-77	432	524	82 +	36	530	330924	331434
UN73325	Rsa1.0.00630.1	818	71281	0	430	436	98 -	3	437	30565	31000
UN73326	Rsa1.0.00577.1	599	174827	8.00E-81	195	208	93 -	4	211	148897	149102
UN73327	Rsa1.0.05410.1	556	13840	1.00E-180	362	376	96 +	80	455	7861	8236
UN73328	Rsa1.0.00196.1	399	109960	2.00E-99	217	228	95 -	1	228	51296	51523
UN73329	Rsa1.0.00277.1	249	100132	1.00E-106	219	227	96 -	1	227	8930	9156
UN73330	Rsa1.0.00257.1	479	102407	0	467	486	96 +	1	479	70218	70699
UN73331	Rsa1.0.04634.1	708	16578	0	687	708	97 -	1	708	9858	10564
UN73332	Rsa1.0.02322.1	199	32555	5.00E-92	192	199	96 -	1	199	6459	6657
UN73333	Rsa1.0.01270.1	811	49574	0	785	813	96 -	2	811	14184	14994
UN73334	Rsa1.0.02097.1	269	35036	2.00E-70	144	147	97 -	78	224	18920	19066
UN73335	Rsa1.0.02955.1	708	26484	0	560	577	97 +	135	708	6158	6734
UN73336	Rsa1.0.18906.1	575	1514	0	431	439	98 +	17	455	1	438
UN73337	Rsa1.0.02784.1	320	27881	1.00E-111	284	307	92 +	15	320	27112	27416
UN73338	Rsa1.0.01891.1	601	37530	1.00E-152	275	276	99 -	1	276	11913	12188
UN73339	Rsa1.0.02003.1	735	36171	0	716	740	96 +	1	735	8872	9611
UN73340	Rsa1.0.00094.1	740	139042	9.00E-69	154	161	95 -	493	653	135031	135191
UN73341	Rsa1.0.16260.1	916	2222	1.00E-135	253	256	98 -	164	419	1967	2222
UN73342	Rsa1.0.03031.1	633	25839	1.00E-165	324	334	97 -	207	540	24118	24451
UN73343	Rsa1.0.01148.1	707	52375	1.00E-135	284	297	95 -	375	671	27117	27413
UN73344	Rsa1.0.02485.1	324	30968	1.00E-166	314	320	98 -	5	324	9306	9625
UN73345	Rsa1.0.12091.1	588	5316	0	367	377	97 -	4	380	3854	4230
UN73346	Rsa1.0.00891.1	198	60724	2.00E-63	184	201	91 -	1	198	22439	22637
UN73347	Rsa1.0.00256.1	603	102426	0	586	603	97 +	1	603	7901	8503
UN73348	Rsa1.0.01676.1	549	41140	0	520	563	92 +	1	549	32396	32953
UN73349	Rsa1.0.01331.1	399	47944	0	384	402	95 +	2	399	29246	29647
UN73350	Rsa1.0.01364.1	232	47172	4.00E-93	215	229	93 +	1	229	43524	43752
UN73351	Rsa1.0.00750.1	589	190548	1.00E-113	220	224	98 -	304	527	9895	10118
UN73352	Rsa1.0.04016.1	397	19570	5.00E-44	234	286	81 -	130	397	14808	15093
UN73353	Rsa1.0.04254.1	387	18258	9.00E-92	210	223	94 -	1	223	14780	15002
UN73354	Rsa1.0.02605.1	574	29637	0	542	560	96 -	3	552	25931	26490
UN73355	Rsa1.0.00682.1	283	68680	2.00E-83	268	306	87 -	1	283	10651	10951
UN73356	Rsa1.0.02619.1	511	29444	1.00E-170	315	319	98 +	1	319	29126	29444
UN73357	Rsa1.0.02248.1	678	33414	0	671	677	99 +	2	678	7017	7693

UN73358	Rsa1.0_00951.1	525	164588	1.00E-149	283	288	98 -	6	293	114506	114793
UN73359	Rsa1.0_00620.1	201	71985	2.00E-51	171	194	88 -	9	201	50355	50533
UN73360	Rsa1.0_35730.1	282	633	2.00E-92	175	176	99 +	1	176	23	198
UN73361	Rsa1.0_00248.1	609	163568	0	375	375	100 +	1	375	1086	1460
UN73362	Rsa1.0_05338.1	748	144511	4.00E-86	254	280	90 +	2	279	9206	9476
UN73363	Rsa1.0_00659.1	550	69733	1.00E-135	337	369	91 -	1	366	55176	55524
UN73364	Rsa1.0_00088.1	722	141341	1.00E-89	171	172	99 -	3	174	13169	13340
UN73365	Rsa1.0_00689.1	572	68305	6.00E-94	296	333	88 -	2	324	33200	33522
UN73366	Rsa1.0_00527.1	224	77733	7.00E-73	197	214	92 +	8	220	57614	57825
UN73367	Rsa1.0_00434.1	708	85171	0	330	331	99 +	2	332	8229	8558
UN73368	Rsa1.0_00782.1	827	64468	1.00E-153	386	423	91 +	414	827	37791	38207
UN73369	Rsa1.0_00128.1	414	228675	0	378	392	96 +	3	393	200489	200880
UN73370	Rsa1.0_00136.1	529	122464	0	514	539	95 +	1	529	25118	25655
UN73371	Rsa1.0_00887.1	664	61048	3.00E-25	91	100	91 -	527	625	34456	34555
UN73372	Rsa1.0_00034.1	160	260119	2.00E-44	124	135	91 -	4	138	130302	130436
UN73373	Rsa1.0_00295.1	310	152597	1.00E-162	304	309	98 -	2	310	84046	84354
UN73374	Rsa1.0_00219.1	540	106983	0	540	541	99 -	1	540	21634	22174
UN73375	Rsa1.0_00120.1	289	277288	1.00E-127	273	287	95 -	3	289	121773	122059
UN73376	Rsa1.0_01367.1	511	47135	0	499	525	95 -	1	511	3848	4372
UN73377	Rsa1.0_01422.1	150	46172	3.00E-40	129	144	89 -	1	144	39508	39651
UN73378	Rsa1.0_00601.1	762	177045	0	414	430	96 +	1	429	20543	20970
UN73379	Rsa1.0_01521.1	519	142147	9.00E-99	201	207	97 +	249	455	7204	7410
UN73380	Rsa1.0_02846.1	464	27338	1.00E-109	221	227	97 +	3	229	27115	27338
UN73381	Rsa1.0_00060.1	726	502678	0	563	616	91 +	111	726	28855	29452
UN73382	Rsa1.0_00224.1	691	327530	1.00E-168	413	442	93 +	1	432	157088	157521
UN73383	Rsa1.0_01528.1	667	43882	1.00E-162	295	297	99 -	4	300	15041	15337
UN73384	Rsa1.0_00107.1	657	431659	1.00E-123	251	260	96 +	23	282	329800	330059
UN73385	Rsa1.0_00092.1	737	659932	1.00E-133	326	349	93 -	3	348	505878	506225
UN73386	Rsa1.0_00244.1	405	103590	9.00E-80	166	170	97 +	1	168	29938	30107
UN73387	Rsa1.0_02910.1	733	26843	1.00E-143	270	274	98 +	274	547	908	1181
UN73388	Rsa1.0_04264.1	187	18207	9.00E-78	171	179	95 -	9	187	5720	5898
UN73389	Rsa1.0_07528.1	534	9195	1.00E-101	191	192	99 -	8	199	6145	6336
UN73390	Rsa1.0_00383.1	606	398431	0	603	605	99 +	1	605	163327	163930
UN73391	Rsa1.0_26340.1	372	896	4.00E-54	108	108	100 -	76	183	434	541
UN73392	Rsa1.0_00955.1	677	58358	1.00E-107	207	210	98 +	10	219	32730	32939
UN73393	Rsa1.0_09450.1	635	6360	1.00E-162	314	322	97 +	219	540	765	1086
UN73394	Rsa1.0_00294.1	428	144860	4.00E-79	153	154	99 -	275	428	65313	65466
UN73395	Rsa1.0_04741.1	547	16164	2.00E-69	152	158	96 +	317	474	2722	2879
UN73396	Rsa1.0_00458.1	752	82717	0	745	755	98 +	2	752	22804	23558

UN73397	Rsa1.0.00351.1	203	413096	2.00E-88	168	169	99 +	3	171	401309	401477
UN73398	Rsa1.0.00145.1	272	261008	5.00E-28	73	76	96 -	2	77	29294	29369
UN73399	Rsa1.0.00608.1	773	172672	0	579	582	99 -	194	773	120068	120649
UN73400	Rsa1.0.01649.1	204	41624	7.00E-91	200	207	96 +	2	204	39484	39689
UN73401	Rsa1.0.00230.1	577	105389	1.00E-169	363	381	95 +	9	385	810	1187
UN73402	Rsa1.0.01235.1	765	50180	0	352	359	98 +	399	756	19036	19394
UN73403	Rsa1.0.02358.1	501	32213	1.00E-136	437	497	87 +	14	501	4307	4784
UN73404	Rsa1.0.04153.1	432	18807	1.00E-109	231	241	95 +	192	432	16165	16405
UN73405	Rsa1.0.00325.1	526	95371	0	520	521	99 -	6	526	58281	58801
UN73406	Rsa1.0.00944.1	619	58733	1.00E-89	221	239	92 -	6	242	5223	5452
UN73407	Rsa1.0.03558.1	517	22102	0	503	518	97 -	1	516	3187	3700
UN73408	Rsa1.0.04399.1	671	17543	1.00E-117	301	330	91 +	266	595	9928	10257
UN73409	Rsa1.0.01556.1	837	163858	1.00E-168	385	406	94 +	341	740	24950	25349
UN73410	Rsa1.0.00015.1	138	561803	9.00E-71	135	135	100 -	4	138	192583	192717
UN73411	Rsa1.0.00108.1	193	478491	2.00E-32	74	75	98 +	3	77	50044	50118
UN73412	Rsa1.0.19255.1	749	1456	1.00E-74	149	151	98 +	170	320	691	841
UN73413	Rsa1.0.00323.1	789	159650	0	749	789	94 -	3	789	135255	136038
UN73414	Rsa1.0.00045.1	591	328694	1.00E-155	283	285	99 -	146	430	177458	177742
UN73415	Rsa1.0.08939.1	768	6769	4.00E-43	117	126	92 +	506	631	3368	3493
UN73416	Rsa1.0.05818.1	558	12544	0	386	400	96 +	3	400	6711	7108
UN73417	Rsa1.0.00004.1	540	253996	1.00E-165	306	310	98 +	106	415	196631	196940
UN73418	Rsa1.0.07185.1	794	9772	0	453	473	95 +	4	473	5022	5485
UN73419	Rsa1.0.02686.1	722	28666	0	450	464	96 +	3	464	5198	5661
UN73420	Rsa1.0.00310.1	799	96852	0	777	802	96 -	2	799	4631	5432
UN73421	Rsa1.0.00040.1	602	324196	0	574	597	96 -	3	599	11206	11802
UN73422	Rsa1.0.05015.1	742	15125	3.00E-44	92	92	100 +	236	327	14303	14394
UN73423	Rsa1.0.00684.1	798	141701	0	740	819	90 -	3	798	43564	44361
UN73424	Rsa1.0.00236.1	700	104771	0	386	400	96 +	299	697	49095	49494
UN73425	Rsa1.0.02805.1	809	27698	1.00E-172	310	311	99 -	121	431	15985	16295
UN73426	Rsa1.0.05517.1	641	13460	0	619	640	96 +	2	641	11912	12551
UN73427	Rsa1.0.01512.1	726	44234	0	381	401	95 -	3	403	32378	32769
UN73428	Rsa1.0.00153.1	821	192931	0	650	676	96 +	56	728	21257	21927
UN73429	Rsa1.0.00666.1	180	69505	2.00E-85	175	180	97 -	1	180	62891	63070
UN73430	Rsa1.0.04845.1	672	15747	2.00E-94	208	218	95 +	173	387	4176	4393
UN73431	Rsa1.0.00826.1	699	166736	0	484	490	98 +	1	490	154343	154832
UN73432	Rsa1.0.02368.1	693	32096	3.00E-50	255	300	85 -	136	430	26556	26853
UN73433	Rsa1.0.05264.1	667	14327	0	641	662	96 -	3	664	13501	14155
UN73434	Rsa1.0.01076.1	628	54835	1.00E-122	235	238	98 +	385	621	39978	40215
UN73435	Rsa1.0.02528.1	732	30452	1.00E-157	421	461	91 +	282	732	17071	17531

UN73436	Rsa1.0.00265.1	261	220635	3.00E-44	150	172	87 -	13	184	173135	173294
UN73437	Rsa1.0.00648.1	710	70351	1.00E-156	289	292	98 +	419	710	22840	23131
UN73438	Rsa1.0.08213.1	725	7711	1.00E-140	256	257	99 +	441	697	3285	3541
UN73439	Rsa1.0.00253.1	792	231292	3.00E-50	112	114	98 +	621	733	86232	86345
UN73440	Rsa1.0.35243.1	807	642	1.00E-105	198	199	99 -	410	608	228	426
UN73441	Rsa1.0.07915.1	618	8293	0	396	398	99 +	153	550	2556	2953
UN73442	Rsa1.0.00693.1	739	161311	0	699	724	96 -	1	715	41739	42462
UN73443	Rsa1.0.00504.1	548	79334	1.00E-79	217	240	90 -	3	242	29524	29750
UN73444	Rsa1.0.10606.1	811	5787	0	654	687	95 -	3	679	3538	4224
UN73445	Rsa1.0.00080.1	758	190437	0	534	561	95 -	199	752	108393	108947
UN73446	Rsa1.0.08622.1	708	7122	1.00E-142	295	308	95 +	346	653	3088	3395
UN73447	Rsa1.0.01070.1	740	55099	0	725	739	98 -	2	740	1794	2532
UN73448	Rsa1.0.03177.1	567	24799	1.00E-149	305	316	96 +	2	312	2244	2559
UN73449	Rsa1.0.14226.1	701	3644	0	671	709	94 -	3	686	71	779
UN73450	Rsa1.0.00131.1	731	432233	2.00E-72	142	143	99 -	113	255	282268	282410
UN73451	Rsa1.0.00720.1	332	66931	1.00E-164	322	332	96 -	1	332	9734	10065
UN73452	Rsa1.0.00417.1	623	395068	0	589	595	98 +	3	597	293990	294584
UN73453	Rsa1.0.04762.1	664	16101	0	613	654	93 -	11	647	4694	5334
UN73454	Rsa1.0.01013.1	644	56822	0	641	643	99 -	2	644	47282	47924
UN73455	Rsa1.0.00053.1	493	263459	1.00E-119	257	270	95 -	6	275	95872	96136
UN73456	Rsa1.0.00152.1	424	257730	0	421	424	99 +	1	424	112065	112488
UN73457	Rsa1.0.00015.1	332	561803	1.00E-107	230	239	96 +	43	279	252094	252330
UN73458	Rsa1.0.00991.1	595	143101	0	570	592	96 -	4	595	32330	32921
UN73459	Rsa1.0.00083.1	578	442773	0	426	434	98 -	26	458	252691	253124
UN73460	Rsa1.0.00071.1	503	345714	5.00E-23	83	92	90 -	9	100	325383	325474
UN73461	Rsa1.0.00341.1	637	249309	1.00E-163	328	338	97 +	308	637	16200	16537
UN73462	Rsa1.0.04407.1	671	17504	4.00E-95	192	197	97 -	209	405	6932	7128
UN73463	Rsa1.0.10199.1	548	5948	1.00E-133	258	264	97 +	285	548	5578	5841
UN73464	Rsa1.0.02662.1	684	28956	0	621	647	95 +	37	681	28063	28708
UN73465	Rsa1.0.02020.1	305	173211	1.00E-117	247	258	95 -	3	260	138526	138783
UN73466	Rsa1.0.03503.1	578	22445	0	504	524	96 -	23	546	21110	21621
UN73467	Rsa1.0.05888.1	654	12320	2.33E-156	291	298	97 +	1	295	9417	9714
UN73468	Rsa1.0.03809.1	793	20731	1.00E-177	351	363	96 +	3	365	18366	18728
UN73469	#	#	#	#	#	#	#	#	#	#	#
UN73470	Rsa1.0.04438.1	730	17361	2.00E-82	156	156	100 -	129	284	4028	4183
UN73471	Rsa1.0.00105.1	628	134138	1.00E-167	411	446	92 -	181	625	74510	74949
UN73472	Rsa1.0.00064.1	600	240927	1.00E-45	183	210	87 +	280	487	228284	228493
UN73473	Rsa1.0.11558.1	501	5471	0	477	500	95 +	2	501	4682	5169
UN73474	Rsa1.0.03922.1	273	20060	1.00E-142	269	272	98 +	3	273	10007	10278

UN73475	Rsa1.0.00017.1	578	752458	0	561	582	96 +	1	578	65326	65907
UN73476	Rsa1.0.00451.1	368	322533	1.00E-123	318	351	90 -	38	368	250926	251276
UN73477	Rsa1.0.03191.1	211	145762	1.00E-15	179	218	82 +	1	211	16484	16687
UN73478	Rsa1.0.04331.1	511	140984	2.00E-16	111	134	82 -	1	134	17405	17530
UN73479	Rsa1.0.07290.1	794	9608	0	515	525	98 -	242	762	9084	9608
UN73480	Rsa1.0.00589.1	742	209965	1.00E-74	146	147	99 -	3	149	71253	71399
UN73481	#	#	#	#	#	#	#	#	#	#	#
UN73482	Rsa1.0.00662.1	612	192183	0	596	610	97 -	3	612	55469	56078
UN73483	Rsa1.0.00409.1	653	146788	0	358	363	98 -	8	370	127177	127539
UN73484	Rsa1.0.02180.1	687	34176	1.00E-151	298	307	97 +	381	687	8790	9096
UN73485	Rsa1.0.01181.1	810	51496	1.00E-159	381	409	93 +	342	748	32779	33186
UN73486	Rsa1.0.00101.1	674	267193	1.00E-133	274	285	96 -	128	412	258416	258700
UN73487	Rsa1.0.00653.1	809	70029	0	796	815	97 -	3	809	36139	36953
UN73488	Rsa1.0.02867.1	552	27121	0	530	556	95 -	2	549	9898	10453
UN73489	Rsa1.0.00601.1	694	177045	9.00E-72	210	230	91 -	3	219	143839	144068
UN73490	Rsa1.0.33152.1	736	685	0	530	534	99 -	3	536	1	534
UN73491	Rsa1.0.00037.1	669	307838	9.00E-81	156	157	99 +	218	374	21174	21330
UN73492	Rsa1.0.01750.1	430	39816	0	397	413	96 -	6	418	29296	29704
UN73493	Rsa1.0.03566.1	405	22050	1.00E-131	255	261	97 +	62	322	12515	12775
UN73494	Rsa1.0.05884.1	321	12337	1.00E-169	320	325	98 +	2	321	235	559
UN73495	Rsa1.0.01600.1	754	42537	0	479	483	99 +	261	741	5583	6065
UN73496	Rsa1.0.00341.1	615	249309	3.00E-59	193	214	90 -	16	223	88393	88600
UN73497	Rsa1.0.00284.1	489	323267	1.00E-169	346	356	97 +	139	489	296801	297156
UN73498	Rsa1.0.01153.1	720	52264	6.00E-76	145	145	100 -	216	360	13487	13631
UN73499	Rsa1.0.00602.1	795	73302	5.00E-92	187	192	97 +	419	610	46825	47016
UN73500	Rsa1.0.14723.1	751	3126	1.00E-150	279	282	98 -	470	751	1476	1757
UN73501	Rsa1.0.01078.1	793	316910	2.00E-69	150	154	97 -	478	630	127605	127758
UN73502	Rsa1.0.00049.1	756	167018	0	481	505	95 -	185	687	115488	115991
UN73503	Rsa1.0.00964.1	817	316648	0	808	821	98 -	2	817	288285	289105
UN73504	Rsa1.0.04023.1	642	19522	0	638	640	99 -	3	642	16503	17142
UN73505	Rsa1.0.00391.1	640	183853	0	620	638	97 -	3	640	856	1493
UN73506	Rsa1.0.02384.1	717	31917	1.00E-168	345	358	96 +	363	717	5245	5601
UN73507	Rsa1.0.02927.1	535	26698	9.00E-93	386	457	84 +	1	457	6900	7356
UN73508	Rsa1.0.00160.1	590	346678	0	502	524	95 -	2	525	244951	245472
UN73509	Rsa1.0.18154.1	737	1655	5.00E-64	141	145	97 -	2	146	388	531
UN73510	Rsa1.0.02964.1	690	26407	1.00E-92	212	225	94 +	180	404	19004	19228
UN73511	Rsa1.0.03015.1	752	26006	2.00E-75	181	192	94 -	1	192	3192	3382
UN73512	Rsa1.0.00031.1	682	179862	0	647	684	94 -	1	682	60686	61351
UN73513	Rsa1.0.00019.1	609	301669	0	608	609	99 +	2	609	141379	141987

UN73514	Rsa1.0.00045.1	634	328694	1.00E-107	242	253	95 -	385	634	133210	133462
UN73515	Rsa1.0.02039.1	640	35699	0	349	351	99 +	291	640	8515	8865
UN73516	Rsa1.0.18033.1	803	1686	0	610	649	93 +	58	696	689	1327
UN73517	Rsa1.0.00897.1	526	60498	0	367	368	99 +	3	370	18517	18884
UN73518	Rsa1.0.02557.1	305	30127	1.00E-166	302	304	99 -	2	305	2442	2745
UN73519	Rsa1.0.03185.1	273	24739	3.00E-57	136	143	95 -	69	211	9603	9742
UN73520	Rsa1.0.01221.1	697	50421	1.00E-100	206	213	96 +	74	286	44786	44998
UN73521	Rsa1.0.00164.1	764	116642	1.00E-160	320	331	96 +	246	576	97058	97388
UN73522	Rsa1.0.21131.1	676	1232	1.00E-123	252	262	96 +	3	264	228	481
UN73523	Rsa1.0.00092.1	795	659932	0	722	752	96 -	2	747	238885	239635
UN73524	Rsa1.0.01814.1	728	38917	1.00E-128	279	294	94 -	180	470	2673	2966
UN73525	Rsa1.0.00324.1	559	218805	1.00E-165	297	298	99 -	262	559	125599	125896
UN73526	Rsa1.0.00124.1	673	262503	0	379	379	100 -	3	381	21650	22028
UN73527	Rsa1.0.04029.1	242	19491	1.00E-105	229	241	95 +	2	242	6285	6525
UN73528	Rsa1.0.00016.1	730	831256	0	592	594	99 -	2	595	776582	777175
UN73529	Rsa1.0.00115.1	605	131321	1.00E-115	238	247	96 +	152	398	67479	67725
UN73530	Rsa1.0.00595.1	473	341648	0	426	436	97 -	9	444	194729	195164
UN73531	Rsa1.0.00529.1	386	77487	1.00E-53	135	143	94 -	225	366	25151	25293
UN73532	Rsa1.0.01743.1	772	39926	7.00E-48	101	102	99 +	201	302	15141	15242
UN73533	Rsa1.0.02542.1	738	30326	3.00E-13	109	132	82 -	448	579	5617	5748
UN73534	Rsa1.0.01050.1	589	55651	0	587	589	99 -	3	589	51241	51829
UN73535	Rsa1.0.01204.1	773	50843	0	480	496	96 +	222	714	9906	10401
UN73536	Rsa1.0.00662.1	677	192183	0	644	662	97 +	2	658	181342	182003
UN73537	Rsa1.0.00662.1	697	192183	0	674	697	96 +	1	695	59516	60212
UN73538	Rsa1.0.00913.1	658	59914	1.00E-115	244	255	95 -	404	658	2343	2597
UN73539	Rsa1.0.02360.1	665	32203	1.00E-141	324	347	93 -	155	495	14177	14514
UN73540	Rsa1.0.02846.1	786	27338	1.00E-158	283	283	100 +	277	559	4895	5177
UN73541	Rsa1.0.01713.1	817	40564	2.00E-91	171	171	100 +	469	639	28987	29157
UN73542	Rsa1.0.15981.1	822	2332	1.00E-165	301	303	99 -	4	306	400	702
UN73543	Rsa1.0.03101.1	796	25410	0	644	670	96 +	5	650	5645	6314
UN73544	Rsa1.0.01947.1	812	36977	0	350	350	100 +	2	351	15694	16043
UN73545	Rsa1.0.03953.1	672	19889	0	662	672	98 -	1	672	6499	7170
UN73546	Rsa1.0.04386.1	854	17627	9.00E-94	175	175	100 +	288	462	14221	14395
UN73547	Rsa1.0.03249.1	647	146254	0	480	497	96 -	153	647	11050	11546
UN73548	Rsa1.0.02975.1	628	26322	0	353	353	100 +	2	354	15682	16034
UN73549	Rsa1.0.02656.1	646	29018	1.00E-175	353	367	96 +	207	573	15129	15495
UN73550	Rsa1.0.00354.1	801	232005	0	661	679	97 -	87	762	77364	78042
UN73551	Rsa1.0.00033.1	713	515811	3.00E-65	127	127	100 +	355	481	468800	468926
UN73552	Rsa1.0.00176.1	846	240984	0	387	399	96 +	209	607	155819	156217

UN73553	Rsa1.0.00321.1	576	95671	1.00E-139	251	251	100 -	2	252	55960	56210
UN73554	Rsa1.0.00067.1	727	415055	0	633	645	98 +	4	648	144919	145563
UN73555	Rsa1.0.01600.1	681	42537	0	607	639	94 +	41	676	5142	5771
UN73556	Rsa1.0.00979.1	676	57733	1.00E-129	250	255	98 -	418	672	1458	1712
UN73557	Rsa1.0.00616.1	107	195713	3.00E-51	105	106	99 -	2	107	177684	177789
UN73558	Rsa1.0.00047.1	112	168582	1.00E-29	97	109	88 +	3	101	64	172
UN73559	Rsa1.0.01870.1	758	37919	0	544	571	95 +	168	736	8037	8607
UN73560	Rsa1.0.15988.1	701	2330	4.00E-80	190	202	94 -	500	698	1287	1488
UN73561	Rsa1.0.00419.1	788	86562	0	324	325	99 -	167	491	45987	46311
UN73562	Rsa1.0.00476.1	656	280966	1.00E-145	334	359	93 -	3	358	156495	156839
UN73563	Rsa1.0.00805.1	821	63724	1.00E-126	265	273	97 +	481	749	43181	43453
UN73564	Rsa1.0.00497.1	825	79830	1.00E-110	224	231	96 +	266	496	40861	41091
UN73565	Rsa1.0.02009.1	751	36100	0	437	438	99 -	145	582	35107	35544
UN73566	#	#	#	#	#	#	#	#	#	#	#
UN73567	Rsa1.0.21831.1	815	1169	1.00E-128	233	233	100 +	153	385	793	1025
UN73568	Rsa1.0.01806.1	385	39021	1.00E-180	383	407	94 -	3	385	29457	29863
UN73569	Rsa1.0.02367.1	535	32106	0	489	512	95 -	28	535	25432	25935
UN73570	Rsa1.0.00112.1	347	132199	0	343	348	98 -	1	347	56160	56507
UN73571	Rsa1.0.00017.1	471	752458	0	452	471	95 -	1	471	555514	555983
UN73572	Rsa1.0.00115.1	755	131321	1.00E-177	526	581	90 -	9	579	68836	69403
UN73573	Rsa1.0.00001.1	846	363028	0	344	351	98 -	4	354	226551	226901
UN73574	Rsa1.0.01313.1	839	48387	1.00E-119	220	221	99 -	127	347	19753	19973
UN73575	Rsa1.0.01921.1	757	168088	0	353	357	98 +	402	757	150633	150989
UN73576	Rsa1.0.01655.1	821	41508	1.00E-111	205	205	100 +	412	616	5723	5927
UN73577	Rsa1.0.02962.1	409	26419	0	401	407	98 -	1	407	4256	4662
UN73578	Rsa1.0.01204.1	657	50843	4.00E-92	286	314	91 +	349	657	3687	3990
UN73579	#	#	#	#	#	#	#	#	#	#	#
UN73580	Rsa1.0.05174.1	821	14604	0	810	830	97 +	1	821	2615	3444
UN73581	Rsa1.0.02395.1	818	31785	1.00E-158	283	283	100 +	192	474	15460	15742
UN73582	Rsa1.0.00630.1	793	71281	0	701	723	96 +	5	724	12355	13076
UN73583	Rsa1.0.03401.1	759	23191	3.00E-47	246	293	83 -	254	545	5986	6277
UN73584	Rsa1.0.07921.1	778	8259	0	353	361	97 +	251	611	1911	2271
UN73585	Rsa1.0.00473.1	646	212204	0	519	531	97 -	3	530	68283	68813
UN73586	Rsa1.0.00228.1	782	105511	0	515	523	98 -	3	525	27048	27570
UN73587	Rsa1.0.04911.1	747	15483	1.00E-114	233	241	96 -	394	634	8819	9059
UN73588	Rsa1.0.01777.1	670	39511	0	561	574	97 +	89	661	10148	10721
UN73589	Rsa1.0.04033.1	751	19481	1.00E-135	296	308	96 -	439	742	9405	9712
UN73590	Rsa1.0.00374.1	788	165738	1.00E-100	287	321	89 +	1	299	129390	129707
UN73591	Rsa1.0.01971.1	176	36641	5.00E-42	93	95	97 +	82	176	19087	19181

UN73592	Rsa1.0.00031.1	791	179862	3.00E-53	195	223	87 -	3	213	89257	89470
UN73593	Rsa1.0.02319.1	698	32580	0	550	608	90 -	104	698	9242	9837
UN73594	Rsa1.0.50205.1	583	452	0	424	452	93 +	39	490	1	452
UN73595	Rsa1.0.03944.1	788	19926	1.00E-111	207	208	99 -	284	491	18604	18811
UN73596	Rsa1.0.00924.1	631	59524	0	613	630	97 +	2	631	47970	48599
UN73597	Rsa1.0.07834.1	767	8453	0	718	749	95 +	21	766	2579	3324
UN73598	Rsa1.0.00012.1	688	222148	1.00E-159	337	351	96 -	343	688	83362	83712
UN73599	Rsa1.0.00204.1	620	109056	1.00E-152	296	304	97 -	317	620	20428	20731
UN73600	Rsa1.0.01004.1	650	56975	0	619	640	96 +	4	643	50015	50654
UN73601	Rsa1.0.02605.1	779	29637	1.00E-160	383	415	92 -	2	412	17545	17944
UN73602	Rsa1.0.02158.1	571	154841	1.00E-155	293	298	98 +	14	311	152114	152411
UN73603	Rsa1.0.01065.1	785	55264	3.00E-93	205	216	94 -	3	211	4661	4876
UN73604	Rsa1.0.00632.1	822	183777	1.00E-58	125	128	97 -	1	128	18658	18785
UN73605	Rsa1.0.00251.1	708	303968	1.00E-141	310	325	95 +	388	708	147121	147440
UN73606	Rsa1.0.10352.1	731	5879	8.00E-60	146	154	94 -	14	167	480	632
UN73607	Rsa1.0.04643.1	805	16546	0	428	449	95 -	1	449	3402	3850
UN73608	Rsa1.0.00487.1	686	80674	3.00E-90	172	173	99 -	407	579	38941	39113
UN73609	Rsa1.0.07052.1	790	9979	0	757	763	99 -	2	760	224	986
UN73610	Rsa1.0.02991.1	662	26178	5.00E-98	237	255	92 +	411	656	4393	4647
UN73611	Rsa1.0.04854.1	597	131560	4.00E-52	146	162	90 +	3	152	9408	9569
UN73612	Rsa1.0.00803.1	764	144228	1.00E-134	256	260	98 +	3	262	133602	133858
UN73613	Rsa1.0.05836.1	798	12480	0	791	811	97 +	3	798	1515	2325
UN73614	Rsa1.0.00119.1	454	467509	1.00E-127	245	250	98 +	1	250	72645	72894
UN73615	Rsa1.0.01247.1	247	49934	1.00E-77	150	151	99 +	97	247	48036	48186
UN73616	#	#	#	#	#	#	#	#	#	#	#
UN73617	Rsa1.0.00168.1	707	115870	0	698	701	99 -	3	703	23653	24350
UN73618	Rsa1.0.04331.1	185	140984	3.00E-19	112	134	83 -	4	137	17405	17530
UN73619	Rsa1.0.00355.1	521	92038	2.00E-47	124	133	93 -	28	160	16181	16313
UN73620	Rsa1.0.06362.1	670	11154	1.00E-119	232	236	98 -	81	314	4291	4526
UN73621	Rsa1.0.00907.1	674	60062	1.00E-162	398	431	92 +	75	505	38374	38789
UN73622	Rsa1.0.04212.1	782	18439	1.00E-108	214	219	97 -	307	525	4680	4898
UN73623	Rsa1.0.01430.1	541	46034	0	512	540	94 -	2	541	40602	41135
UN73624	Rsa1.0.00890.1	693	323870	1.00E-116	229	233	98 +	258	490	213285	213516
UN73625	Rsa1.0.00018.1	501	410899	1.00E-120	312	344	90 +	177	501	6100	6439
UN73626	Rsa1.0.06586.1	807	10712	1.00E-110	248	255	97 -	554	802	8903	9157
UN73627	Rsa1.0.00172.1	779	115476	0	598	601	99 -	181	779	27941	28541
UN73628	Rsa1.0.00380.1	646	89748	1.00E-113	234	240	97 -	411	645	77784	78022
UN73629	Rsa1.0.02017.1	665	35999	2.00E-84	174	179	97 -	236	414	35303	35481
UN73630	Rsa1.0.00083.1	796	442773	1.00E-103	199	202	98 -	169	370	361204	361405

UN73631	Rsa1.0.00596.1	600	73578	8.00E-41	122	134	91 +	368	501	66008	66141
UN73632	Rsa1.0.04065.1	762	19275	0	695	705	98 -	3	703	4357	5061
UN73633	Rsa1.0.01214.1	779	50599	0	525	527	99 +	1	527	247	773
UN73634	Rsa1.0.05880.1	808	12343	0	796	810	98 +	3	805	8558	9367
UN73635	Rsa1.0.00257.1	639	102407	0	637	641	99 +	2	639	1491	2131
UN73636	Rsa1.0.02808.1	657	27677	0	437	453	96 +	207	657	19883	20335
UN73637	Rsa1.0.04984.1	643	15240	2.00E-84	179	185	96 -	3	184	608	792
UN73638	Rsa1.0.00827.1	560	62790	4.00E-98	194	198	97 -	208	405	22726	22923
UN73639	Rsa1.0.00004.1	644	253996	0	491	497	98 +	1	495	167547	168042
UN73640	Rsa1.0.07190.1	803	9757	0	691	696	99 -	1	695	3818	4513
UN73641	Rsa1.0.37944.1	781	594	0	402	415	96 -	3	417	144	555
UN73642	Rsa1.0.00774.1	697	64831	0	546	546	100 +	4	549	45318	45863
UN73643	Rsa1.0.00298.1	665	349131	1.00E-160	313	322	97 +	3	324	42838	43159
UN73644	Rsa1.0.02288.1	666	32984	6.00E-82	161	163	98 +	382	544	17154	17316
UN73645	Rsa1.0.20578.1	679	1291	0	339	344	98 +	6	349	247	590
UN73646	Rsa1.0.00684.1	771	141701	0	578	594	97 -	4	597	9100	9693
UN73647	Rsa1.0.03849.1	794	20457	0	684	718	95 -	83	794	10373	11084
UN73648	Rsa1.0.00326.1	786	171955	1.00E-92	234	249	93 -	531	770	62168	62416
UN73649	Rsa1.0.00655.1	703	195840	0	521	548	95 -	150	693	147696	148243
UN73650	Rsa1.0.02579.1	779	29923	0	404	411	98 -	317	721	14689	15099
UN73651	Rsa1.0.01012.1	689	56836	0	636	690	92 -	5	689	25971	26640
UN73652	Rsa1.0.01005.1	763	56967	1.00E-128	256	264	96 -	392	655	19291	19554
UN73653	Rsa1.0.13458.1	795	4814	2.00E-91	180	183	98 +	155	337	1376	1558
UN73654	Rsa1.0.00046.1	146	320315	2.00E-65	141	146	96 +	1	146	20423	20568
UN73655	Rsa1.0.00483.1	606	81102	1.00E-110	240	250	96 +	358	606	51013	51260
UN73656	Rsa1.0.01419.1	773	167402	0	444	446	99 -	220	663	7107	7552
UN73657	Rsa1.0.04169.1	653	18712	0	348	348	100 -	1	348	2537	2884
UN73658	Rsa1.0.46411.1	675	486	4.00E-92	172	172	100 -	199	370	297	468
UN73659	Rsa1.0.00698.1	748	67816	1.00E-119	263	278	94 +	398	675	46344	46616
UN73660	Rsa1.0.02400.1	619	31750	0	591	616	95 +	3	614	14564	15176
UN73661	Rsa1.0.00040.1	759	324196	0	372	378	98 +	385	759	114552	114929
UN73662	Rsa1.0.01538.1	671	43733	1.00E-156	289	292	98 -	3	294	15799	16090
UN73663	Rsa1.0.08617.1	798	7124	0	702	733	95 -	2	711	538	1270
UN73664	Rsa1.0.08587.1	690	7157	1.00E-152	275	276	99 +	3	278	6311	6586
UN73665	Rsa1.0.01827.1	852	143321	3.00E-87	170	172	98 -	52	223	132636	132807
UN73666	#	#	#	#	#	#	#	#	#	#	#
UN73667	Rsa1.0.01262.1	655	178815	0	651	655	99 -	1	655	7435	8089
UN73668	Rsa1.0.04374.1	778	17670	1.00E-151	349	366	95 +	418	774	7853	8218
UN73669	Rsa1.0.00200.1	440	162016	4.00E-91	235	254	92 +	113	365	12912	13164

UN73670	Rsa1.0.00422.1	668	86144	0	662	663	99 +	3	664	5152	5814
UN73671	Rsa1.0.06602.1	724	10683	0	633	710	89 +	4	709	772	1481
UN73672	Rsa1.0.00186.1	738	112669	0	518	538	96 +	203	736	111868	112405
UN73673	Rsa1.0.01081.1	753	499226	2.00E-79	163	167	97 -	3	169	173875	174041
UN73674	Rsa1.0.04515.1	756	17021	0	502	505	99 +	2	505	7414	7918
UN73675	Rsa1.0.28114.1	713	827	3.00E-93	186	190	97 -	380	569	638	827
UN73676	Rsa1.0.00179.1	706	393324	0	401	403	99 -	210	612	257602	258004
UN73677	Rsa1.0.00224.1	738	327530	0	736	737	99 -	3	738	213885	214621
UN73678	Rsa1.0.02735.1	175	28344	4.00E-58	140	148	94 +	31	175	25414	25561
UN73679	Rsa1.0.00064.1	159	240927	2.00E-60	148	156	94 +	4	159	215367	215518
UN73680	Rsa1.0.00960.1	691	58199	1.00E-129	277	290	95 -	3	290	25915	26204
UN73681	Rsa1.0.00262.1	696	101906	7.00E-88	186	193	96 -	1	193	69587	69779
UN73682	Rsa1.0.00714.1	781	67187	0	756	792	95 +	5	781	3305	4095
UN73683	Rsa1.0.00100.1	533	249232	0	507	550	92 +	2	533	25830	26379
UN73684	Rsa1.0.00136.1	709	122464	1.00E-132	261	267	97 -	42	307	62177	62443
UN73685	Rsa1.0.07823.1	515	8468	1.00E-161	312	320	97 +	196	515	4586	4905
UN73686	Rsa1.0.00687.1	810	68494	5.00E-58	150	162	92 -	299	460	3690	3845
UN73687	Rsa1.0.00082.1	773	237584	0	352	352	100 -	2	353	62734	63085
UN73688	Rsa1.0.03241.1	728	24423	0	437	440	99 +	3	442	13619	14058
UN73689	#	#	#	#	#	#	#	#	#	#	#
UN73690	Rsa1.0.01214.1	782	50599	2.00E-70	146	148	98 +	551	697	41186	41333
UN73691	Rsa1.0.00070.1	660	150321	0	446	448	99 +	213	660	94203	94649
UN73692	Rsa1.0.03290.1	719	24011	1.00E-124	321	352	91 +	1	352	7207	7555
UN73693	Rsa1.0.00048.1	583	167185	0	393	401	98 -	184	583	136468	136868
UN73694	Rsa1.0.01156.1	848	52147	0	677	715	94 +	11	707	28052	28754
UN73695	Rsa1.0.08728.1	642	6995	1.00E-132	325	350	92 -	296	642	3895	4238
UN73696	Rsa1.0.01467.1	702	45161	1.00E-113	251	263	95 +	5	267	13043	13303
UN73697	Rsa1.0.17399.1	678	1839	2.00E-66	144	149	96 -	263	411	1383	1531
UN73698	Rsa1.0.00001.1	690	363028	1.00E-101	200	204	98 +	230	433	90772	90975
UN73699	Rsa1.0.00132.1	676	124299	2.00E-91	171	171	100 -	106	276	69356	69526
UN73700	Rsa1.0.00038.1	644	314568	1.00E-155	281	282	99 +	2	283	254981	255262
UN73701	Rsa1.0.00942.1	689	58873	0	390	404	96 -	34	436	30660	31062
UN73702	Rsa1.0.04633.1	375	16580	1.00E-102	203	208	97 +	168	375	6161	6368
UN73703	Rsa1.0.01663.1	783	168589	1.00E-140	253	253	100 -	380	632	148222	148474
UN73704	Rsa1.0.00743.1	462	177459	0	382	389	98 +	2	390	145305	145693
UN73705	Rsa1.0.02109.1	284	34925	2.00E-67	166	178	93 +	107	284	19932	20109
UN73706	Rsa1.0.00038.1	646	314568	0	492	499	98 -	144	642	240989	241485
UN73707	Rsa1.0.00083.1	691	442773	0	606	631	96 -	8	637	363135	363762
UN73708	Rsa1.0.04139.1	760	18883	1.00E-175	388	411	94 -	346	749	8330	8740

UN73709	Rsa1.0.03223.1	357	24512	0	353	355	99 +	3	357	11363	11717
UN73710	Rsa1.0.00045.1	634	328694	4.00E-86	171	174	98 -	198	371	149182	149355
UN73711	Rsa1.0.46469.1	377	486	3.00E-45	111	117	94 +	38	154	370	486
UN73712	Rsa1.0.00991.1	108	143101	4.00E-35	101	107	94 -	3	108	30038	30143
UN73713	Rsa1.0.00310.1	287	96852	1.00E-113	264	282	93 +	7	287	4371	4652
UN73714	Rsa1.0.00001.1	424	363028	1.00E-136	272	281	96 -	1	281	329339	329619
UN73715	Rsa1.0.00040.1	708	324196	0	698	708	98 +	1	708	10104	10811
UN73716	Rsa1.0.38612.1	462	583	4.00E-45	99	101	98 +	1	101	84	184
UN73717	Rsa1.0.00236.1	273	104771	8.00E-67	159	169	94 -	103	271	50256	50424
UN73718	Rsa1.0.05595.1	524	13228	1.00E-106	237	251	94 +	1	251	3355	3599
UN73719	Rsa1.0.00389.1	531	88795	1.00E-122	250	259	96 +	3	261	29373	29631
UN73720	Rsa1.0.15251.1	401	2727	2.00E-71	149	153	97 -	249	401	596	748
UN73721	Rsa1.0.00221.1	645	106972	0	640	645	99 -	1	645	30588	31232
UN73722	Rsa1.0.02392.1	157	152517	9.00E-59	142	151	94 -	4	154	30117	30267
UN73723	#	#	#	#	#	#	#	#	#	#	#
UN73724	Rsa1.0.04438.1	126	17361	7.00E-53	120	125	96 +	2	126	2648	2772
UN73725	Rsa1.0.00748.1	796	65983	1.00E-117	214	214	100 -	291	504	20167	20380
UN73726	Rsa1.0.01561.1	709	43227	8.00E-69	151	157	96 +	305	461	8061	8217
UN73727	Rsa1.0.00399.1	166	242951	4.00E-61	160	175	91 -	1	165	82084	82254
UN73728	Rsa1.0.18647.1	728	1560	1.00E-101	224	235	95 -	495	728	698	932
UN73729	Rsa1.0.00494.1	820	79967	1.00E-156	289	292	98 +	354	645	67486	67777
UN73730	Rsa1.0.00413.1	299	86921	1.00E-108	218	224	97 -	72	292	34746	34969
UN73731	Rsa1.0.00006.1	559	396176	1.00E-149	302	312	96 +	202	512	92547	92858
UN73732	Rsa1.0.01629.1	835	41917	0	494	498	99 -	102	599	17963	18460
UN73733	Rsa1.0.23058.1	485	1074	1.00E-152	300	308	97 -	43	349	206	513
UN73734	Rsa1.0.01183.1	799	51465	1.00E-153	354	369	95 +	334	692	41455	41823
UN73735	Rsa1.0.00016.1	814	831256	0	630	631	99 -	1	630	271099	271729
UN73736	#	#	#	#	#	#	#	#	#	#	#
UN73737	Rsa1.0.02281.1	699	292576	1.00E-102	189	189	100 +	3	191	268749	268937
UN73738	Rsa1.0.00413.1	816	86921	0	678	701	96 -	5	696	38902	39596
UN73739	Rsa1.0.73555.1	752	311	1.00E-149	274	276	99 -	113	388	36	311
UN73740	Rsa1.0.00614.1	764	72276	0	652	679	96 -	1	666	43692	44366
UN73741	Rsa1.0.00262.1	772	101906	1.00E-83	230	249	92 +	451	694	33151	33399
UN73742	Rsa1.0.00116.1	542	365886	2.00E-87	232	252	92 +	291	541	33998	34243
UN73743	Rsa1.0.01792.1	659	39227	7.00E-63	123	123	100 -	119	241	9873	9995
UN73744	Rsa1.0.00714.1	675	67187	0	581	591	98 +	85	675	19399	19989
UN73745	Rsa1.0.00978.1	761	57739	1.00E-147	270	272	99 +	1	272	57468	57739
UN73746	Rsa1.0.02667.1	719	28910	0	473	495	95 +	226	717	15394	15876
UN73747	Rsa1.0.00374.1	654	165738	1.00E-154	327	344	95 -	311	654	133188	133531

UN73748	Rsa1.0.07592.1	740	9059	0	471	484	97 -	54	537	439	922
UN73749	Rsa1.0.00195.1	560	251884	0	558	559	99 +	3	560	84421	84979
UN73750	Rsa1.0.00045.1	664	328694	1.00E-156	344	364	94 +	4	366	172058	172412
UN73751	Rsa1.0.00507.1	706	79074	1.00E-102	192	193	99 +	59	251	4329	4521
UN73752	Rsa1.0.00194.1	631	110851	0	412	434	94 +	198	630	13143	13569
UN73753	Rsa1.0.00261.1	421	151157	1.00E-122	226	227	99 +	116	342	108093	108319
UN73754	Rsa1.0.00218.1	722	201480	0	688	721	95 +	2	722	41806	42523
UN73755	Rsa1.0.00012.1	837	222148	0	581	600	96 +	167	754	110290	110889
UN73756	Rsa1.0.01173.1	676	51727	1.00E-109	222	229	96 +	273	501	624	852
UN73757	Rsa1.0.02223.1	786	152421	1.00E-132	257	263	97 +	331	593	17447	17709
UN73758	Rsa1.0.04090.1	651	19145	0	421	423	99 +	229	651	4518	4940
UN73759	Rsa1.0.00739.1	800	66155	1.00E-109	201	201	100 -	2	202	61085	61285
UN73760	Rsa1.0.05611.1	687	13193	0	548	559	98 +	122	677	1	559
UN73761	Rsa1.0.00038.1	762	314568	1.00E-162	306	310	98 -	58	366	249454	249763
UN73762	Rsa1.0.19411.1	808	1436	0	772	787	98 -	3	783	121	907
UN73763	Rsa1.0.01274.1	756	49419	0	755	756	99 +	2	756	30709	31464
UN73764	Rsa1.0.01396.1	806	151624	1.00E-126	317	344	92 +	151	490	136369	136702
UN73765	Rsa1.0.03327.1	687	23707	0	664	689	96 +	2	687	17480	18168
UN73766	Rsa1.0.10780.1	645	5722	0	642	644	99 +	3	645	3960	4603
UN73767	Rsa1.0.00185.1	540	248445	1.00E-151	271	271	100 +	270	540	238605	238875
UN73768	Rsa1.0.00235.1	677	154696	2.00E-47	220	261	84 -	123	383	134727	134987
UN73769	Rsa1.0.04945.1	381	15370	1.00E-178	370	388	95 +	3	381	9260	9646
UN73770	Rsa1.0.01834.1	613	38550	0	548	568	96 +	46	613	24064	24620
UN73771	Rsa1.0.04896.1	244	15552	6.00E-89	228	246	92 +	1	244	2673	2918
UN73772	Rsa1.0.00269.1	709	341668	0	695	714	97 -	3	709	308839	309551
UN73773	Rsa1.0.00031.1	770	179862	5.00E-95	180	181	99 +	471	651	49880	50060
UN73774	Rsa1.0.02798.1	574	27792	1.00E-116	228	233	97 -	3	235	4712	4944
UN73775	Rsa1.0.24740.1	736	969	1.00E-111	286	308	92 +	433	736	476	783
UN73776	Rsa1.0.01036.1	820	55978	0	391	392	99 +	3	393	10179	10570
UN73777	Rsa1.0.05338.1	436	144511	1.00E-97	234	251	93 -	189	436	7011	7261
UN73778	Rsa1.0.00576.1	372	178949	0	355	357	99 +	16	372	72202	72558
UN73779	Rsa1.0.02358.1	774	32213	0	464	485	95 -	239	719	23087	23571
UN73780	Rsa1.0.01836.1	653	38503	0	617	655	94 +	2	653	11913	12561
UN73781	Rsa1.0.00324.1	736	218805	1.00E-131	262	269	97 +	3	271	188015	188281
UN73782	Rsa1.0.02043.1	806	163754	0	649	649	100 +	2	650	156142	156790
UN73783	Rsa1.0.00816.1	769	403350	1.00E-77	151	152	99 +	587	738	152917	153068
UN73784	Rsa1.0.00151.1	745	119541	1.00E-163	291	291	100 +	1	291	43001	43291
UN73785	Rsa1.0.00212.1	814	108350	0	792	825	96 -	3	814	67526	68345
UN73786	Rsa1.0.03165.1	802	24866	2.00E-76	146	146	100 +	288	433	20387	20532

UN73787	Rsa1.0.00383.1	673	398431	0	610	671	90 -	19	673	253619	254280
UN73788	Rsa1.0.00245.1	738	103569	0	363	373	97 -	3	375	55968	56334
UN73789	Rsa1.0.00867.1	686	61635	0	404	405	99 +	206	610	46044	46448
UN73790	Rsa1.0.02443.1	808	31353	0	682	696	97 -	116	808	8417	9112
UN73791	Rsa1.0.03780.1	307	20899	1.00E-172	306	306	100 -	2	307	7912	8217
UN73792	Rsa1.0.01216.1	750	50580	0	745	752	99 -	2	749	4842	5593
UN73793	Rsa1.0.00657.1	775	69858	0	611	611	100 +	3	613	296	906
UN73794	Rsa1.0.03292.1	759	23977	0	714	745	95 +	2	738	11381	12125
UN73795	Rsa1.0.00251.1	770	303968	0	765	771	99 -	3	770	159574	160344
UN73796	Rsa1.0.00306.1	655	146760	0	461	464	99 +	14	477	122222	122685
UN73797	Rsa1.0.00321.1	633	95671	4.00E-64	125	125	100 +	363	487	59912	60036
UN73798	Rsa1.0.00784.1	820	64359	0	490	498	98 -	3	500	21036	21533
UN73799	Rsa1.0.00002.1	770	601661	0	480	481	99 +	3	483	448582	449062
UN73800	Rsa1.0.02903.1	860	26901	0	594	615	96 +	126	735	4750	5364
UN73801	Rsa1.0.00304.1	591	97429	6.00E-51	106	107	99 +	289	395	67087	67193
UN73802	Rsa1.0.04006.1	781	19585	0	528	541	97 -	3	543	1056	1596
UN73803	Rsa1.0.03997.1	747	19652	1.00E-155	287	290	98 +	3	292	2588	2877
UN73804	Rsa1.0.00523.1	529	178770	1.00E-122	254	263	96 -	2	263	31060	31322
UN73805	Rsa1.0.02003.1	807	36171	0	465	466	99 -	3	468	33665	34130
UN73806	Rsa1.0.00237.1	626	235974	1.00E-132	269	279	96 +	232	510	226925	227203
UN73807	Rsa1.0.03315.1	808	23797	5.00E-95	177	177	100 +	192	368	1848	2024
UN73808	Rsa1.0.04264.1	778	18207	0	751	762	98 +	1	759	2880	3641
UN73809	Rsa1.0.00006.1	711	396176	1.00E-114	242	253	95 -	458	710	9191	9443
UN73810	Rsa1.0.04352.1	673	17779	0	670	673	99 +	1	673	2365	3037
UN73811	Rsa1.0.00920.1	694	601703	0	385	385	100 -	2	386	586067	586451
UN73812	Rsa1.0.05573.1	767	13290	0	372	381	97 -	234	614	4829	5209
UN73813	Rsa1.0.08259.1	815	7641	4.00E-65	142	147	96 -	431	577	2535	2681
UN73814	Rsa1.0.45603.1	834	494	1.00E-119	223	225	99 -	3	227	1	225
UN73815	Rsa1.0.25958.1	559	912	0	462	463	99 -	97	559	450	912
UN73816	Rsa1.0.04092.1	722	19128	0	568	572	99 +	150	717	2657	3228
UN73817	Rsa1.0.01453.1	547	45449	5.00E-79	289	328	88 -	225	543	13264	13582
UN73818	Rsa1.0.01661.1	635	41400	7.00E-97	211	219	96 +	3	218	38563	38781
UN73819	Rsa1.0.01126.1	764	53127	0	548	561	97 +	151	708	35534	36093
UN73820	Rsa1.0.00237.1	789	235974	1.00E-100	186	186	100 -	2	187	216119	216304
UN73821	Rsa1.0.00090.1	632	273859	0	500	504	99 -	129	632	265911	266414
UN73822	Rsa1.0.01904.1	454	37450	1.00E-142	379	419	90 +	3	394	1206	1620
UN73823	Rsa1.0.01613.1	739	182542	1.00E-124	226	226	100 +	169	394	27799	28024
UN73824	Rsa1.0.04937.1	822	15401	0	576	614	93 +	205	803	11732	12344
UN73825	Rsa1.0.00160.1	756	346678	1.00E-134	242	242	100 -	3	244	148360	148601

UN73826	Rsa1.0_01000.1	809	57140	0	806	809	99 +	2	809	6599	7407
UN73827	Rsa1.0_00092.1	585	659932	0	383	394	97 -	192	585	126250	126643
UN73828	Rsa1.0_02393.1	331	31795	1.00E-155	311	321	96 -	11	331	21803	22121
UN73829	Rsa1.0_00034.1	522	260119	0	514	516	99 -	3	518	157135	157650
UN73830	Rsa1.0_01984.1	638	36491	0	363	363	100 +	1	363	26874	27236
UN73831	Rsa1.0_02136.1	800	34707	6.00E-64	128	129	99 +	3	131	601	729
UN73832	Rsa1.0_00417.1	581	395068	0	538	566	95 +	22	581	220606	221162
UN73833	Rsa1.0_02865.1	745	27133	0	730	751	97 +	1	745	18503	19253
UN73834	Rsa1.0_00579.1	760	148308	1.00E-135	253	256	98 +	475	730	70548	70803
UN73835	Rsa1.0_00316.1	647	96264	0	632	654	96 -	1	647	83037	83689
UN73836	Rsa1.0_00044.1	809	271658	3.00E-78	149	149	100 +	487	635	117283	117431
UN73837	Rsa1.0_15251.1	434	2727	1.00E-142	280	288	97 +	147	434	1605	1892
UN73838	Rsa1.0_00353.1	720	92242	0	447	459	97 -	262	720	7321	7779
UN73839	Rsa1.0_00964.1	538	316648	0	526	537	97 -	3	538	167671	168206
UN73840	Rsa1.0_02070.1	700	158516	0	651	660	98 -	3	661	13233	13891
UN73841	Rsa1.0_01272.1	787	49553	0	723	736	98 +	2	736	17526	18261
UN73842	Rsa1.0_36016.1	634	627	1.00E-101	207	213	97 -	10	218	415	627
UN73843	Rsa1.0_00278.1	607	231896	4.00E-89	179	183	97 +	425	607	15864	16046
UN73844	Rsa1.0_03991.1	622	19675	0	390	406	96 +	217	622	4933	5338
UN73845	Rsa1.0_07295.1	784	9599	0	414	428	96 -	323	746	1264	1691
UN73846	Rsa1.0_09779.1	564	6154	1.00E-139	282	291	96 -	265	554	4717	5007
UN73847	Rsa1.0_00769.1	803	64911	0	691	696	99 -	3	695	32965	33660
UN73848	Rsa1.0_03969.1	715	19797	0	709	715	99 +	2	715	5869	6582
UN73849	Rsa1.0_02062.1	550	35485	0	378	388	97 +	3	385	16085	16471
UN73850	Rsa1.0_00724.1	720	66789	0	488	495	98 +	226	720	58788	59282
UN73851	Rsa1.0_04303.1	791	18007	0	515	531	96 -	3	527	11053	11583
UN73852	Rsa1.0_00593.1	680	143463	0	636	641	99 +	1	641	136215	136855
UN73853	Rsa1.0_00628.1	719	214360	0	412	421	97 +	2	420	179000	179417
UN73854	Rsa1.0_00355.1	695	92038	1.00E-176	316	317	99 -	159	475	57993	58309
UN73855	Rsa1.0_00005.1	697	353093	0	345	346	99 +	2	347	226451	226795
UN73856	Rsa1.0_00156.1	749	118383	0	567	572	99 +	176	742	56991	57562
UN73857	Rsa1.0_02867.1	621	27121	5.00E-76	282	331	85 +	299	615	3466	3780
UN73858	Rsa1.0_09186.1	692	6572	5.00E-58	143	151	94 -	2	151	5556	5706
UN73859	Rsa1.0_03407.1	657	23154	1.00E-138	259	262	98 +	3	264	3656	3917
UN73860	Rsa1.0_00154.1	723	189461	1.00E-147	268	269	99 +	455	723	151738	152006
UN73861	Rsa1.0_03264.1	590	145959	1.00E-153	281	283	99 +	292	574	134142	134424
UN73862	Rsa1.0_00181.1	594	114269	1.00E-150	312	325	96 +	3	326	42098	42422
UN73863	Rsa1.0_00438.1	568	84861	0	565	566	99 +	3	568	60587	61152
UN73864	Rsa1.0_08079.1	604	7942	1.00E-129	287	302	95 -	305	604	2865	3165

UN73865	Rsa1.0.00051.1	773	258225	0	619	663	93 -	120	773	162193	162849
UN73866	Rsa1.0.00541.1	758	76863	1.00E-168	320	324	98 +	434	755	34580	34903
UN73867	Rsa1.0.00019.1	762	301669	1.00E-154	276	276	100 +	2	277	83569	83844
UN73868	Rsa1.0.15193.1	786	2768	1.00E-160	354	374	94 +	3	367	1298	1668
UN73869	Rsa1.0.01976.1	788	36570	1.00E-148	280	283	98 -	267	549	9059	9340
UN73870	Rsa1.0.00243.1	703	103651	0	515	536	96 -	168	700	79585	80120
UN73871	Rsa1.0.02991.1	587	26178	9.00E-90	174	176	98 +	412	587	4393	4568
UN73872	Rsa1.0.04786.1	685	15988	0	661	689	95 +	2	685	11410	12092
UN73873	Rsa1.0.18772.1	709	1537	0	662	699	94 +	5	702	597	1290
UN73874	Rsa1.0.00979.1	758	57733	1.00E-138	270	277	97 -	162	438	41925	42201
UN73875	Rsa1.0.03525.1	734	22296	0	368	370	99 +	365	734	20992	21361
UN73876	Rsa1.0.00548.1	654	76518	0	643	654	98 +	3	654	3477	4130
UN73877	Rsa1.0.00516.1	790	78417	0	779	791	98 +	3	790	73339	74129
UN73878	Rsa1.0.01361.1	762	47226	0	712	743	95 -	2	743	15806	16548
UN73879	Rsa1.0.01526.1	634	43919	2.00E-90	169	169	100 +	466	634	34932	35100
UN73880	Rsa1.0.00705.1	681	67505	1.00E-162	331	344	96 +	338	681	10409	10749
UN73881	Rsa1.0.08954.1	713	6757	0	480	503	95 -	3	483	4357	4859
UN73882	Rsa1.0.01763.1	578	39659	0	533	588	90 +	19	578	37097	37680
UN73883	Rsa1.0.00867.1	652	61635	0	342	344	99 -	310	652	55972	56315
UN73884	Rsa1.0.00086.1	609	439854	1.00E-51	104	104	100 +	3	106	369298	369401
UN73885	Rsa1.0.04237.1	798	18361	1.00E-114	281	305	92 -	122	426	7441	7745
UN73886	Rsa1.0.02860.1	787	27207	0	760	810	93 +	3	787	8311	9116
UN73887	Rsa1.0.00373.1	440	90296	3.00E-70	156	163	95 +	2	164	79177	79339
UN73888	Rsa1.0.00299.1	495	97770	1.00E-121	232	236	98 -	1	236	33397	33632
UN73889	Rsa1.0.00813.1	624	63202	1.00E-149	316	331	95 +	8	332	62872	63202
UN73890	Rsa1.0.02348.1	676	32316	0	566	567	99 -	110	676	4344	4910
UN73891	Rsa1.0.16822.1	384	2022	0	373	383	97 +	2	384	928	1310
UN73892	Rsa1.0.02763.1	411	28143	0	397	409	97 -	1	407	12431	12839
UN73893	Rsa1.0.00835.1	639	278058	1.00E-125	227	227	100 -	77	303	139820	140046
UN73894	Rsa1.0.27360.1	643	856	0	511	527	96 -	117	643	330	856
UN73895	Rsa1.0.00394.1	571	148426	4.00E-92	208	220	94 -	3	222	107239	107458
UN73896	Rsa1.0.03626.1	190	160993	1.00E-98	188	190	98 -	1	190	139583	139772
UN73897	Rsa1.0.00017.1	622	752458	1.00E-161	419	455	92 -	10	451	66256	66702
UN73898	Rsa1.0.00516.1	559	78417	1.00E-121	255	265	96 +	1	264	35862	36126
UN73899	Rsa1.0.00272.1	377	447836	5.00E-72	141	142	99 +	87	228	307045	307186
UN73900	Rsa1.0.00003.1	624	340054	0	594	600	99 -	25	624	224241	224838
UN73901	Rsa1.0.00169.1	614	274298	0	358	368	97 -	3	370	271695	272062
UN73902	Rsa1.0.00025.1	356	277312	1.00E-166	341	356	95 -	1	356	141309	141664
UN73903	Rsa1.0.07290.1	842	9608	0	410	411	99 +	1	411	5514	5924

UN73904	Rsa1.0_04557.1	617	145048	2.00E-38	180	210	85 +	388	590	138733	138942
UN73905	Rsa1.0_00079.1	781	606987	0	349	355	98 +	278	632	55593	55947
UN73906	Rsa1.0_00589.1	650	209965	1.00E-169	314	318	98 +	143	460	69286	69603
UN73907	Rsa1.0_00585.1	685	74164	0	658	685	96 +	1	685	60681	61357
UN73908	Rsa1.0_02217.1	793	33812	0	765	800	95 +	1	793	30229	31027
UN73909	#	#	#	#	#	#	#	#	#	#	#
UN73910	Rsa1.0_00456.1	642	82826	0	496	500	99 +	146	642	18300	18799
UN73911	Rsa1.0_04568.1	723	16805	0	699	725	96 +	3	723	4947	5667
UN73912	Rsa1.0_00160.1	680	346678	1.00E-169	332	341	97 +	2	341	243052	243392
UN73913	Rsa1.0_14494.1	626	3331	9.00E-81	195	206	94 +	1	202	2626	2829
UN73914	Rsa1.0_08661.1	816	7068	0	491	498	98 +	323	813	5006	5503
UN73915	Rsa1.0_09094.1	796	6651	0	621	636	97 +	3	638	5936	6571
UN73916	Rsa1.0_00141.1	752	121494	0	377	387	97 -	54	440	104511	104897
UN73917	Rsa1.0_07619.1	794	9015	1.00E-177	345	354	97 +	131	484	3415	3766
UN73918	Rsa1.0_01895.1	634	37512	0	615	634	97 -	1	634	6588	7221
UN73919	Rsa1.0_02254.1	811	33344	0	426	450	94 +	2	451	28664	29107
UN73920	Rsa1.0_02246.1	624	33435	1.00E-132	245	247	99 +	1	247	22622	22868
UN73921	Rsa1.0_04194.1	749	132734	0	499	519	96 -	177	693	123470	123988
UN73922	Rsa1.0_00157.1	791	245832	0	549	561	97 +	2	560	77894	78452
UN73923	Rsa1.0_00449.1	823	83863	1.00E-180	347	356	97 -	3	358	56110	56465
UN73924	Rsa1.0_00104.1	801	368722	0	365	378	96 +	50	427	218004	218380
UN73925	Rsa1.0_02058.1	712	35532	1.00E-138	282	288	97 -	431	712	14663	14950
UN73926	Rsa1.0_08409.1	640	7407	0	543	559	97 -	7	565	6369	6927
UN73927	Rsa1.0_05771.1	591	12674	1.00E-172	322	327	98 +	269	591	9909	10235
UN73928	Rsa1.0_00078.1	639	175053	5.00E-79	153	154	99 -	225	378	67999	68152
UN73929	Rsa1.0_00190.1	795	318240	0	413	422	97 +	7	423	17906	18324
UN73930	Rsa1.0_00032.1	754	306326	1.00E-138	250	250	100 +	120	369	252590	252839
UN73931	Rsa1.0_00017.1	796	752458	1.00E-129	268	278	96 -	3	280	292600	292875
UN73932	Rsa1.0_00420.1	603	86496	1.00E-158	313	322	97 -	263	582	65792	66113
UN73933	Rsa1.0_22969.1	336	1080	1.00E-180	332	335	99 +	2	336	369	702
UN73934	Rsa1.0_00017.1	732	752458	0	696	733	94 +	2	732	226628	227360
UN73935	Rsa1.0_00356.1	226	91521	6.00E-30	70	71	98 -	54	124	63155	63225
UN73936	Rsa1.0_00116.1	491	365886	1.00E-154	423	473	89 -	12	472	342074	342540
UN73937	Rsa1.0_00625.1	737	71672	0	554	574	96 -	3	570	47165	47738
UN73938	Rsa1.0_00016.1	791	831256	5.00E-89	170	171	99 +	3	173	223542	223712
UN73939	Rsa1.0_02222.1	579	152798	5.00E-51	106	107	99 +	204	310	694	800
UN73940	Rsa1.0_04925.1	790	15424	0	474	481	98 +	61	540	5177	5657
UN73941	Rsa1.0_00507.1	711	79074	6.00E-82	161	163	98 -	450	612	43470	43632
UN73942	Rsa1.0_05562.1	657	13323	0	643	653	98 +	5	657	8955	9607

UN73943	Rsa1.0.07600.1	588	9052	1.00E-106	233	244	95 -	3	246	181	419
UN73944	Rsa1.0.00997.1	711	57190	0	565	568	99 +	144	711	35271	35838
UN73945	Rsa1.0.00415.1	524	86795	0	521	523	99 +	2	524	9171	9693
UN73946	Rsa1.0.48892.1	588	463	1.00E-127	240	242	99 +	3	242	17	258
UN73947	Rsa1.0_10516.1	524	5818	0	443	446	99 -	3	448	4536	4981
UN73948	Rsa1.0_04036.1	514	19473	0	492	515	95 -	1	514	15253	15767
UN73949	Rsa1.0.09577.1	593	6275	1.00E-154	297	304	97 -	278	581	1629	1932
UN73950	Rsa1.0.08434.1	497	7362	4.00E-39	99	103	96 +	14	115	5971	6073
UN73951	Rsa1.0.00827.1	837	62790	0	825	846	97 -	2	837	46718	47563
UN73952	Rsa1.0.00148.1	818	120234	0	510	524	97 -	127	649	73200	73723
UN73953	Rsa1.0.00190.1	840	318240	0	618	631	97 -	213	840	295615	296245
UN73954	Rsa1.0.00467.1	729	156542	0	513	518	99 +	214	729	77638	78154
UN73955	Rsa1.0.00636.1	623	71113	0	355	357	99 -	267	623	56716	57072
UN73956	Rsa1.0.00168.1	764	115870	0	695	701	99 +	3	700	38848	39548
UN73957	Rsa1.0.03415.1	273	23117	1.00E-135	266	272	97 -	3	273	14197	14468
UN73958	Rsa1.0.00955.1	137	58358	2.00E-22	79	86	91 -	42	127	34070	34154
UN73959	Rsa1.0.00294.1	381	144860	1.00E-151	329	345	95 +	40	381	64162	64505
UN73960	Rsa1.0.00037.1	558	307838	1.00E-123	251	260	96 -	1	260	23059	23318
UN73961	Rsa1.0.00458.1	584	82717	0	567	597	94 -	1	584	23488	24084
UN73962	Rsa1.0.00363.1	176	90968	7.00E-60	164	178	92 +	1	176	28298	28472
UN73963	Rsa1.0.00385.1	186	89160	1.00E-89	183	187	97 +	1	186	22850	23036
UN73964	Rsa1.0.02358.1	137	32213	2.00E-41	124	136	91 -	1	133	6011	6146
UN73965	Rsa1.0_00875.1	510	61371	1.00E-180	377	397	94 -	1	389	5244	5640
UN73966	Rsa1.0.03820.1	478	20664	3.00E-83	172	177	97 +	1	177	5413	5589
UN73967	Rsa1.0_14200.1	789	3671	0	625	634	98 -	156	789	2959	3592
UN73968	Rsa1.0.06940.1	210	10137	5.00E-89	200	210	95 +	1	210	8425	8633
UN73969	Rsa1.0.01494.1	401	44641	7.00E-65	213	240	88 +	168	401	11175	11406
UN73970	Rsa1.0.07921.1	479	8259	0	467	481	97 -	1	479	2666	3146
UN73971	Rsa1.0.00473.1	653	212204	1.00E-163	350	366	95 +	1	361	66339	66700
UN73972	Rsa1.0.02585.1	122	29865	3.00E-33	106	116	91 +	1	116	25269	25383
UN73973	Rsa1.0.00101.1	595	267193	1.00E-95	214	224	95 -	1	224	180256	180475
UN73974	Rsa1.0.00307.1	771	199003	0	564	577	97 -	2	578	157190	157761
UN73975	Rsa1.0.01971.1	839	36641	0	806	847	95 -	2	833	20031	20875
UN73976	Rsa1.0.22685.1	624	1103	2.00E-88	175	178	98 +	1	178	258	435
UN73977	Rsa1.0.01451.1	385	45459	1.00E-180	364	379	96 -	3	381	19018	19396
UN73978	Rsa1.0.00355.1	653	92038	0	469	474	98 +	2	475	56434	56907
UN73979	Rsa1.0.00156.1	429	118383	1.00E-127	293	312	93 -	5	316	60208	60515
UN73980	Rsa1.0.02867.1	175	27121	1.00E-39	143	164	87 -	12	175	3601	3756
UN73981	Rsa1.0_00292.1	362	98141	6.00E-62	124	125	99 +	203	327	64532	64656

UN73982	Rsa1.0.05442.1	460	13741	1.00E-119	259	272	95 -	1	269	1778	2049
UN73983	Rsa1.0.02454.1	301	31263	1.00E-150	293	301	97 -	1	301	27394	27694
UN73984	Rsa1.0.00104.1	354	368722	1.00E-114	325	358	90 -	3	354	197698	198054
UN73985	Rsa1.0.00032.1	688	306326	1.00E-110	202	202	100 -	487	688	256164	256365
UN73986	Rsa1.0.03015.1	761	26006	1.00E-113	217	219	99 +	1	219	517	734
UN73987	Rsa1.0.02963.1	573	26407	1.00E-127	258	267	96 +	1	267	12724	12990
UN73988	Rsa1.0.03091.1	681	25454	3.00E-50	151	166	90 -	327	491	83	248
UN73989	Rsa1.0.01461.1	416	45240	2.00E-96	243	263	92 -	108	370	7012	7273
UN73990	Rsa1.0.02557.1	594	30127	0	570	592	96 +	6	594	1866	2447
UN73991	Rsa1.0.04520.1	226	16995	8.00E-54	190	217	87 -	1	204	9719	9935
UN73992	Rsa1.0.05208.1	154	14504	3.00E-46	103	106	97 -	1	106	4129	4234
UN73993	Rsa1.0.01556.1	440	163858	1.00E-119	268	282	95 -	160	440	25175	25455
UN73994	Rsa1.0.00938.1	420	193891	0	413	425	97 -	1	420	172314	172737
UN73995	Rsa1.0.00303.1	537	97468	1.00E-122	222	222	100 +	1	222	56972	57193
UN73996	Rsa1.0.07849.1	226	8425	4.00E-62	133	137	97 +	79	215	5970	6106
UN73997	Rsa1.0.07521.1	727	9206	0	459	464	98 +	1	464	6515	6978
UN73998	Rsa1.0.03997.1	158	19652	7.00E-35	131	146	89 -	12	153	4246	4391
UN73999	#	#	#	#	#	#	#	#	#	#	#
UN74000	Rsa1.0.00748.1	648	65983	1.00E-171	404	427	94 +	1	419	18079	18503
UN74001	Rsa1.0.25924.1	627	913	0	606	645	93 +	1	627	119	762
UN74002	Rsa1.0.02446.1	201	31330	5.00E-55	121	125	96 +	73	197	19906	20030
UN74003	Rsa1.0.02667.1	151	28910	9.00E-19	66	72	91 -	1	72	15867	15933
UN74004	Rsa1.0.04352.1	627	17779	0	622	627	99 -	1	627	3113	3739
UN74005	Rsa1.0.00045.1	624	328694	0	585	607	96 -	18	624	174156	174762
UN74006	Rsa1.0.00017.1	568	752458	0	518	581	89 -	1	568	268452	269007
UN74007	Rsa1.0.00920.1	773	601703	0	771	773	99 +	1	773	584891	585663
UN74008	Rsa1.0.00751.1	295	65759	2.00E-36	84	86	97 -	210	295	3615	3700
UN74009	Rsa1.0.05461.1	206	13674	9.00E-32	76	78	97 +	129	206	4648	4725
UN74010	Rsa1.0.00507.1	782	79074	0	763	769	99 -	1	767	5584	6352
UN74011	Rsa1.0.07827.1	705	8466	0	367	370	99 -	2	371	3606	3975
UN74012	Rsa1.0.02041.1	112	163634	2.00E-37	105	111	94 -	2	112	157635	157743
UN74013	Rsa1.0.06489.1	227	10917	6.00E-95	200	208	96 -	20	227	5114	5321
UN74014	Rsa1.0.02485.1	539	30968	0	505	514	98 +	1	514	26705	27215
UN74015	Rsa1.0.08079.1	721	7942	0	694	724	95 +	1	721	1998	2721
UN74016	Rsa1.0.00051.1	690	258225	0	558	578	96 +	1	578	160948	161520
UN74017	Rsa1.0.08011.1	698	8082	0	449	476	94 +	223	698	1908	2382
UN74018	Rsa1.0.01882.1	689	37697	0	653	688	94 -	9	689	11077	11755
UN74019	Rsa1.0.02652.1	586	29038	1.00E-21	150	176	85 -	408	578	24418	24591
UN74020	Rsa1.0.00096.1	112	198773	8.00E-40	95	98	96 +	17	112	15253	15350

UN74021	Rsa1.0.00614.1	701	72276	0	506	533	94 +	181	701	43628	44155
UN74022	Rsa1.0.00140.1	308	121541	4.00E-81	192	205	93 -	3	207	579	783
UN74023	Rsa1.0.00045.1	393	328694	9.00E-86	334	388	86 +	19	389	261070	261450
UN74024	Rsa1.0.02254.1	694	33344	0	503	527	95 -	1	527	30020	30546
UN74025	Rsa1.0.01190.1	305	194501	1.00E-136	294	308	95 +	1	305	44628	44934
UN74026	Rsa1.0.05070.1	561	14933	0	531	571	92 -	1	561	1686	2256
UN74027	Rsa1.0.00035.1	127	176449	1.00E-29	81	86	94 -	1	86	96531	96616
UN74028	Rsa1.0.00251.1	646	303968	9.00E-81	248	272	91 -	1	264	127337	127604
UN74029	Rsa1.0.00352.1	682	92266	0	643	689	93 -	1	680	89336	90020
UN74030	Rsa1.0.02593.1	788	29744	0	342	342	100 +	317	658	4754	5095
UN74031	Rsa1.0.00748.1	577	65983	0	573	577	99 +	1	577	14443	15016
UN74032	Rsa1.0.21645.1	588	1184	0	567	593	95 -	3	587	581	1169
UN74033	Rsa1.0.01453.1	146	45449	1.00E-60	139	146	95 -	1	146	28765	28910
UN74034	Rsa1.0.55202.1	163	414	1.00E-70	156	163	95 +	1	163	133	295
UN74035	Rsa1.0.01214.1	235	50599	1.00E-119	232	236	98 -	1	235	1966	2201
UN74036	Rsa1.0.01713.1	728	40564	0	465	471	98 -	123	591	29485	29955
UN74037	Rsa1.0.00340.1	178	305782	1.00E-64	143	149	95 -	30	178	186574	186722
UN74038	Rsa1.0.01947.1	591	36977	0	324	324	100 -	228	551	16135	16458
UN74039	Rsa1.0.00303.1	417	97468	2.00E-93	201	209	96 +	1	209	30881	31087
UN74040	Rsa1.0.00257.1	434	102407	0	414	433	95 -	1	433	2360	2789
UN74041	Rsa1.0.05995.1	611	11997	1.00E-121	274	287	95 +	101	385	9171	9454
UN74042	Rsa1.0.00668.1	479	69421	2.00E-77	207	225	92 -	212	433	54729	54947
UN74043	Rsa1.0.16170.1	156	2258	9.00E-53	141	153	92 +	4	156	1381	1533
UN74044	Rsa1.0.03981.1	524	19724	0	511	524	97 +	1	524	14315	14838
UN74045	Rsa1.0.01773.1	109	39546	3.00E-24	75	81	92 -	1	81	31652	31732
UN74046	Rsa1.0.00419.1	475	86562	0	415	437	94 +	1	436	43872	44307
UN74047	Rsa1.0.00497.1	125	79830	4.00E-39	103	110	93 -	14	123	41971	42080
UN74048	Rsa1.0.00146.1	531	149343	0	467	483	96 +	1	483	566	1048
UN74049	Rsa1.0.00335.1	582	94371	1.00E-36	82	83	98 -	500	582	43093	43175
UN74050	Rsa1.0.00316.1	714	96264	0	704	715	98 +	1	714	82256	82970
UN74051	Rsa1.0.00261.1	356	151157	1.00E-121	227	229	99 -	1	229	108843	109071
UN74052	Rsa1.0.00218.1	556	201480	1.00E-145	306	321	95 -	99	419	43203	43523
UN74053	Rsa1.0.08902.1	120	6805	1.00E-47	114	120	95 +	1	120	4676	4795
UN74054	Rsa1.0.01045.1	530	55853	1.00E-175	332	339	97 -	192	530	34105	34443
UN74055	Rsa1.0.07295.1	703	9599	2.00E-82	206	220	93 +	1	219	548	766
UN74056	Rsa1.0.00265.1	768	220635	0	473	500	94 +	5	497	171370	171865
UN74057	Rsa1.0.00418.1	543	215377	1.00E-155	323	334	96 -	1	333	45040	45371
UN74058	Rsa1.0.01422.1	348	46172	0	334	335	99 +	1	334	4053	4387
UN74059	Rsa1.0.00751.1	418	65759	1.00E-139	269	274	98 +	2	274	42533	42806

UN74060	Rsa1.0_00504.1	880	79334	3.00E-81	166	170	97 +	401	570	28356	28525
UN74061	Rsa1.0_10606.1	861	5787	1.00E-128	269	278	96 +	61	334	2225	2501
UN74062	Rsa1.0_00011.1	121	225044	2.00E-50	116	121	95 -	1	121	200210	200330
UN74063	Rsa1.0_00201.1	212	232851	2.00E-45	141	157	89 +	12	163	72838	72994
UN74064	Rsa1.0_01070.1	613	55099	0	577	622	92 +	1	613	1146	1754
UN74065	Rsa1.0_06683.1	190	10549	3.00E-31	99	109	90 +	82	190	668	776
UN74066	Rsa1.0_00131.1	682	432233	0	381	383	99 +	1	383	279741	280123
UN74067	Rsa1.0_03564.1	801	22068	1.00E-119	220	221	99 +	311	531	14626	14846
UN74068	Rsa1.0_03359.1	706	23466	1.00E-174	341	349	97 +	1	348	10681	11028
UN74069	Rsa1.0_00323.1	643	159650	0	564	607	92 +	39	640	134664	135248
UN74070	Rsa1.0_09314.1	495	6461	0	394	408	96 -	1	407	4885	5292
UN74071	Rsa1.0_00280.1	669	99966	0	333	336	99 +	1	336	12148	12483
UN74072	Rsa1.0_00473.1	414	212204	0	381	388	98 -	5	392	65456	65843
UN74073	Rsa1.0_00196.1	409	109960	0	392	409	95 -	1	407	77962	78370
UN74074	Rsa1.0_00720.1	536	66931	0	465	515	90 +	1	498	8115	8613
UN74075	Rsa1.0_00417.1	343	395068	1.00E-171	332	340	97 -	4	343	295371	295709
UN74076	Rsa1.0_44548.1	679	505	1.00E-177	348	358	97 -	7	364	148	504
UN74077	Rsa1.0_02139.1	730	34686	0	727	730	99 +	2	730	27569	28298
UN74078	Rsa1.0_00152.1	602	257730	0	597	601	99 -	2	602	113318	113918
UN74079	Rsa1.0_00015.1	306	561803	1.00E-141	294	307	95 -	1	304	253448	253754
UN74080	Rsa1.0_00991.1	388	143101	1.00E-114	358	405	88 +	1	388	31840	32239
UN74081	Rsa1.0_00083.1	719	442773	0	712	715	99 +	1	715	251612	252326
UN74082	Rsa1.0_08025.1	484	8062	1.00E-127	233	234	99 -	2	235	1	234
UN74083	Rsa1.0_00827.1	591	62790	0	488	520	93 +	1	516	57627	58141
UN74084	Rsa1.0_06817.1	488	10307	1.00E-121	227	229	99 -	237	465	6113	6341
UN74085	Rsa1.0_00352.1	371	92266	2.00E-89	179	183	97 -	189	371	15179	15361
UN74086	Rsa1.0_00299.1	506	97770	1.00E-150	310	323	95 +	187	506	32249	32571
UN74087	Rsa1.0_07348.1	589	9522	0	553	589	93 +	1	589	3279	3845
UN74088	Rsa1.0_00913.1	797	59914	0	771	796	96 +	3	797	698	1489
UN74089	Rsa1.0_02360.1	530	32203	1.00E-106	228	238	95 +	13	250	11146	11380
UN74090	Rsa1.0_25688.1	619	925	1.00E-134	250	251	99 -	2	252	134	383
UN74091	Rsa1.0_03249.1	534	146254	0	345	351	98 +	184	534	9929	10276
UN74092	Rsa1.0_02656.1	641	29018	0	495	518	95 -	125	641	15749	16266
UN74093	Rsa1.0_02411.1	717	31655	0	510	522	97 +	196	717	27638	28159
UN74094	Rsa1.0_00863.1	394	254535	0	372	387	96 -	2	388	213547	213932
UN74095	Rsa1.0_02398.1	470	31766	1.00E-157	431	478	90 -	1	470	29932	30391
UN74096	Rsa1.0_00105.1	210	134138	8.00E-94	201	210	95 +	1	210	122160	122369
UN74097	Rsa1.0_00245.1	135	103569	7.00E-47	125	135	92 -	1	135	80644	80778
UN74098	Rsa1.0_00104.1	378	368722	1.00E-150	326	345	94 -	3	345	219468	219804

UN74099	Rsa1.0.03325.1	569	23720	1.00E-159	345	361	95 +	1	359	6791	7150
UN74100	Rsa1.0.00293.1	579	339294	0	523	525	99 +	1	525	82305	82829
UN74101	Rsa1.0.03401.1	601	23191	4.00E-49	130	140	92 +	462	601	5207	5346
UN74102	Rsa1.0.00119.1	816	467509	1.00E-118	240	248	96 -	218	465	389910	390157
UN74103	Rsa1.0.01249.1	365	188432	1.00E-72	163	171	95 +	1	171	151144	151314
UN74104	Rsa1.0.00006.1	105	396176	5.00E-41	100	105	95 +	1	105	243735	243839
UN74105	Rsa1.0.00714.1	618	67187	0	606	626	96 -	1	618	4219	4844
UN74106	Rsa1.0.00019.1	691	301669	0	368	378	97 -	2	379	86442	86817
UN74107	Rsa1.0.00100.1	404	249232	0	393	404	97 -	1	404	26346	26746
UN74108	Rsa1.0.00687.1	708	68494	3.00E-65	148	155	95 +	523	677	3087	3241
UN74109	Rsa1.0.04786.1	775	15988	0	445	445	100 -	3	447	12763	13207
UN74110	Rsa1.0.02547.1	387	30255	1.00E-105	229	240	95 +	5	244	24817	25054
UN74111	Rsa1.0.00016.1	183	831256	2.00E-94	181	183	98 +	1	183	391572	391754
UN74112	Rsa1.0.00592.1	146	73788	2.00E-65	141	146	96 +	1	146	22077	22222
UN74113	Rsa1.0.05745.1	213	12750	5.00E-86	198	210	94 +	1	206	2862	3071
UN74114	Rsa1.0.00808.1	617	63351	1.00E-136	280	290	96 -	1	290	36334	36622
UN74115	Rsa1.0.00106.1	289	133916	1.00E-139	277	286	96 -	1	286	7581	7866
UN74116	Rsa1.0.00119.1	574	467509	0	423	443	95 +	3	443	46324	46766
UN74117	Rsa1.0.14339.1	626	3501	1.00E-163	310	316	98 -	311	626	385	700
UN74118	Rsa1.0.03944.1	638	19926	1.00E-121	220	220	100 +	402	621	18309	18528
UN74119	Rsa1.0.00924.1	537	59524	1.00E-127	239	242	98 -	296	537	48602	48843
UN74120	Rsa1.0.15282.1	502	2711	0	487	502	97 -	1	500	1018	1519
UN74121	Rsa1.0.05509.1	562	13472	1.00E-130	265	275	96 -	64	338	1	275
UN74122	Rsa1.0.00351.1	170	413096	7.00E-32	139	161	86 +	10	170	404857	405015
UN74123	Rsa1.0.00132.1	767	124299	1.00E-175	339	346	97 +	2	346	66258	66601
UN74124	Rsa1.0.00451.1	347	322533	6.00E-68	140	143	97 -	149	291	15235	15377
UN74125	Rsa1.0.01656.1	765	41494	0	673	708	95 +	1	701	14920	15624
UN74126	Rsa1.0.09179.1	700	6578	1.00E-172	517	587	88 +	11	595	3632	4190
UN74127	Rsa1.0.03889.1	594	20233	0	487	516	94 -	4	519	4493	5006
UN74128	Rsa1.0.00235.1	230	154696	4.00E-28	127	148	85 +	80	227	132873	133020
UN74129	Rsa1.0.01663.1	697	168589	0	371	377	98 +	1	377	145010	145382
UN74130	Rsa1.0.02128.1	293	34758	6.00E-77	164	170	96 -	1	170	16324	16493
UN74131	Rsa1.0.04139.1	743	18883	8.00E-57	179	200	89 +	9	208	5687	5884
UN74132	Rsa1.0.16067.1	598	2300	0	365	375	97 -	221	593	1252	1623
UN74133	Rsa1.0.00107.1	737	431659	1.00E-153	283	286	98 -	1	286	347678	347963
UN74134	Rsa1.0.00425.1	781	147080	0	502	504	99 -	241	744	111870	112373
UN74135	Rsa1.0.03223.1	842	24512	0	826	843	97 -	1	842	12651	13493
UN74136	Rsa1.0.00817.1	659	62961	0	469	490	95 +	1	490	53844	54331
UN74137	Rsa1.0.00272.1	567	447836	1.00E-151	301	311	96 -	257	567	308750	309060

UN74138	Rsa1.0.01679.1	665	146876	7.00E-97	189	192	98 -	308	499	134169	134360
UN74139	Rsa1.0.01512.1	580	44234	0	424	429	98 -	1	429	18073	18501
UN74140	Rsa1.0.04497.1	266	17103	1.00E-120	251	262	95 +	5	266	11196	11457
UN74141	Rsa1.0.00519.1	635	197864	0	615	632	97 -	4	635	192306	192937
UN74142	Rsa1.0.00094.1	135	139042	2.00E-13	121	149	81 +	1	135	97593	97733
UN74143	Rsa1.0.73245.1	138	313	1.00E-29	119	134	88 -	1	128	1	133
UN74144	Rsa1.0.00420.1	521	86496	0	512	521	98 +	1	521	64088	64608
UN74145	Rsa1.0.00116.1	601	365886	3.00E-80	489	599	81 +	1	598	341457	342028
UN74146	Rsa1.0.02222.1	235	152798	6.00E-98	217	229	94 -	1	229	1735	1963
UN74147	Rsa1.0.04925.1	815	15424	0	461	471	97 -	350	815	6095	6563
UN74148	Rsa1.0.00463.1	163	189177	2.00E-63	155	163	95 -	1	163	116614	116774
UN74149	Rsa1.0.19209.1	492	1464	0	490	492	99 -	1	492	789	1280
UN74150	Rsa1.0.00025.1	589	277312	1.00E-165	532	601	88 -	6	589	45017	45604
UN74151	Rsa1.0.01526.1	710	43919	1.00E-173	320	324	98 +	1	324	22362	22685
UN74152	Rsa1.0.00002.1	429	601661	0	423	428	98 +	2	429	213940	214367
UN74153	Rsa1.0.03698.1	457	21302	1.00E-131	339	362	93 +	18	375	7475	7832
UN74154	Rsa1.0.03205.1	822	24614	0	394	395	99 +	1	395	1662	2056
UN74155	Rsa1.0.00402.1	505	385315	1.00E-156	292	296	98 +	1	296	384496	384791
UN74156	Rsa1.0.04036.1	688	19473	0	473	517	91 +	1	501	14503	15014
UN74157	Rsa1.0.00038.1	114	314568	4.00E-48	100	101	99 +	11	111	293883	293983
UN74158	Rsa1.0.07190.1	177	9757	1.00E-39	83	83	100 +	95	177	2812	2894
UN74159	Rsa1.0.00181.1	555	114269	1.00E-173	365	384	95 +	172	555	79260	79643
UN74160	Rsa1.0.00655.1	535	195840	1.00E-108	229	239	95 +	270	508	146640	146878
UN74161	Rsa1.0.00048.1	243	167185	3.00E-69	167	178	93 -	54	231	33623	33796
UN74162	Rsa1.0.00601.1	393	177045	0	379	393	96 +	1	393	134193	134585
UN74163	Rsa1.0.02878.1	421	27048	0	379	392	96 +	28	419	8374	8765
UN74164	Rsa1.0.00311.1	473	96847	2.00E-81	225	251	89 +	104	354	33654	33892
UN74165	Rsa1.0.00946.1	322	58666	1.00E-136	291	304	95 +	3	304	47003	47305
UN74166	Rsa1.0.00341.1	865	249309	4.00E-62	125	126	99 +	433	558	86602	86727
UN74167	Rsa1.0.00284.1	419	323267	0	412	416	99 -	1	416	297110	297524
UN74168	Rsa1.0.01153.1	740	52264	0	363	370	98 +	371	740	11626	11995
UN74169	Rsa1.0.01581.1	531	42833	0	512	538	95 -	1	531	1876	2408
UN74170	Rsa1.0.00049.1	747	167018	0	706	735	96 +	13	747	114904	115637
UN74171	Rsa1.0.00964.1	704	316648	0	693	704	98 +	1	704	286822	287525
UN74172	Rsa1.0.18007.1	585	1691	1.00E-103	223	233	95 -	46	276	872	1098
UN74173	Rsa1.0.04023.1	706	19522	0	704	705	99 +	3	706	15336	16040
UN74174	Rsa1.0.03338.1	684	136346	0	548	564	97 +	1	563	6793	7353
UN74175	Rsa1.0.04612.1	431	16647	0	395	396	99 -	1	395	15528	15923
UN74176	Rsa1.0.06791.1	264	10350	8.00E-73	219	243	90 -	16	258	7181	7421

UN74177	Rsa1.0.02872.1	154	27080	3.00E-49	138	151	91 +	1	151	11424	11574
UN74178	Rsa1.0.00409.1	289	146788	1.00E-103	217	225	96 +	1	225	125441	125663
UN74179	Rsa1.0.02180.1	275	34176	1.00E-65	133	135	98 -	1	135	10018	10152
UN74180	Rsa1.0.01005.1	592	56967	1.00E-173	341	351	97 -	1	349	4490	4840
UN74181	Rsa1.0.00383.1	733	398431	1.00E-129	244	247	98 -	384	630	2510	2756
UN74182	Rsa1.0.02178.1	331	156197	1.00E-175	326	331	98 +	1	331	19704	20034
UN74183	Rsa1.0.03625.1	115	21692	4.00E-23	103	115	89 -	3	115	15274	15382
UN74184	Rsa1.0.09538.1	496	6301	1.00E-163	330	341	96 +	131	471	2516	2852
UN74185	Rsa1.0.01537.1	212	187285	2.00E-48	148	163	90 -	44	206	1063	1220
UN74186	Rsa1.0.01076.1	806	54835	1.00E-122	265	274	96 -	175	444	39978	40251
UN74187	Rsa1.0.04013.1	262	19573	2.00E-79	153	154	99 -	1	154	10603	10756
UN74188	Rsa1.0.00551.1	577	76227	0	451	479	94 -	17	492	20659	21118
UN74189	Rsa1.0.00314.1	701	96472	0	580	623	93 +	1	607	22608	23230
UN74190	Rsa1.0.01717.1	739	143162	0	729	739	98 -	1	739	125022	125760
UN74191	Rsa1.0.00512.1	734	200277	1.00E-163	312	319	97 -	147	465	71437	71755
UN74192	Rsa1.0.02320.1	700	32575	0	460	490	93 -	1	488	5336	5807
UN74193	Rsa1.0.00189.1	734	111830	0	708	736	96 +	1	734	70323	71057
UN74194	Rsa1.0.00179.1	750	393324	0	597	601	99 +	2	602	256368	256968
UN74195	Rsa1.0.00484.1	172	203294	3.00E-71	164	172	95 +	1	172	40156	40326
UN74196	Rsa1.0.00059.1	587	159650	5.00E-85	173	176	98 +	1	176	147791	147965
UN74197	Rsa1.0.00960.1	741	58199	0	428	442	96 +	33	474	22864	23302
UN74198	Rsa1.0.00285.1	415	149638	1.00E-94	263	290	90 +	1	290	52161	52441
UN74199	Rsa1.0.03490.1	700	22545	1.00E-177	368	385	95 +	10	394	18934	19316
UN74200	Rsa1.0.00387.1	594	495407	0	400	407	98 +	3	409	341891	342297
UN74201	Rsa1.0.00383.1	623	398431	1.00E-104	214	221	96 -	194	414	5277	5497
UN74202	Rsa1.0.01501.1	705	44532	1.00E-168	337	348	96 +	24	367	31806	32152
UN74203	Rsa1.0.00842.1	674	62493	0	643	674	95 +	5	674	3732	4405
UN74204	Rsa1.0.05938.1	315	12173	1.00E-115	293	316	92 -	4	315	3605	3918
UN74205	Rsa1.0.00601.1	262	177045	1.00E-116	253	264	95 +	1	262	26144	26407
UN74206	Rsa1.0.02158.1	779	154841	1.00E-120	241	248	97 -	343	590	153917	154164
UN74207	Rsa1.0.01065.1	742	55264	0	525	548	95 +	2	547	2180	2713
UN74208	Rsa1.0.01272.1	684	49553	0	620	623	99 -	1	622	18652	19274
UN74209	Rsa1.0.02026.1	604	35896	0	470	488	96 -	3	481	29848	30333
UN74210	Rsa1.0.00019.1	733	301669	0	556	608	91 -	1	602	25694	26277
UN74211	Rsa1.0.00699.1	641	184398	0	414	422	98 +	1	422	146308	146729
UN74212	Rsa1.0.16859.1	574	2010	2.00E-93	205	214	95 +	355	567	1	214
UN74213	Rsa1.0.07052.1	763	9979	0	397	399	99 +	365	763	1	399
UN74214	Rsa1.0.02991.1	148	26178	1.00E-39	127	141	90 -	9	146	4507	4647
UN74215	Rsa1.0.03969.1	139	19797	2.00E-44	124	135	91 -	1	135	7121	7255

UN74216	Rsa1.0.00178.1	483	114861	5.00E-88	205	217	94 -	1	216	12165	12381
UN74217	Rsa1.0.00997.1	594	57190	1.00E-111	276	297	92 -	1	295	52204	52496
UN74218	Rsa1.0.07483.1	533	9276	0	527	533	98 -	1	533	8256	8788
UN74219	Rsa1.0.02846.1	619	27338	0	371	373	99 -	2	374	5274	5646
UN74220	Rsa1.0.00008.1	163	358124	2.00E-75	158	163	96 -	1	163	143057	143219
UN74221	Rsa1.0.00904.1	109	180594	3.00E-36	98	105	93 -	1	105	19483	19587
UN74222	Rsa1.0.01005.1	235	56967	1.00E-104	224	235	95 -	1	235	39926	40160
UN74223	Rsa1.0.03101.1	662	25410	0	375	387	96 -	74	460	7075	7461
UN74224	Rsa1.0.00354.1	473	232005	0	456	479	95 +	1	473	76222	76695
UN74225	Rsa1.0.00033.1	282	515811	2.00E-58	124	127	97 -	127	253	468800	468926
UN74226	Rsa1.0.00176.1	756	240984	0	705	772	91 -	3	756	156812	157556
UN74227	Rsa1.0.00104.1	743	368722	0	418	421	99 +	323	743	274557	274977
UN74228	Rsa1.0.01727.1	235	40243	1.00E-116	231	236	97 +	1	235	8466	8701
UN74229	Rsa1.0.01326.1	206	48072	1.00E-46	188	212	88 -	2	206	40445	40649
UN74230	Rsa1.0.01535.1	353	43750	0	351	355	98 +	1	353	21498	21852
UN74231	Rsa1.0.00447.1	240	84051	2.00E-45	105	109	96 -	132	240	11542	11650
UN74232	Rsa1.0.08617.1	845	7124	0	830	851	97 +	1	840	311	1161
UN74233	Rsa1.0.05431.1	597	13780	1.00E-108	268	287	93 -	1	286	7915	8199
UN74234	Rsa1.0.01743.1	579	39926	0	572	579	98 -	2	579	24676	25254
UN74235	Rsa1.0.00803.1	744	144228	0	383	393	97 -	350	742	134625	135017
UN74236	Rsa1.0.05836.1	545	12480	0	351	358	98 -	158	515	2392	2745
UN74237	Rsa1.0.01827.1	833	143321	1.00E-122	300	322	93 +	6	324	130970	131280
UN74238	Rsa1.0.02962.1	548	26419	1.00E-155	325	338	96 +	1	338	13792	14127
UN74239	Rsa1.0.00119.1	720	467509	0	618	645	95 -	39	683	75538	76170
UN74240	Rsa1.0.01247.1	259	49934	1.00E-130	250	255	98 -	1	255	48478	48732
UN74241	Rsa1.0.01476.1	697	172928	0	356	357	99 +	341	697	140327	140683
UN74242	Rsa1.0.06265.1	475	11357	0	457	476	96 -	3	475	958	1433
UN74243	Rsa1.0.01036.1	215	55978	1.00E-114	212	213	99 -	3	215	11899	12111
UN74244	Rsa1.0.01896.1	458	37512	1.00E-169	322	329	97 -	1	329	5287	5615
UN74245	Rsa1.0.00456.1	629	82826	0	603	642	93 +	1	629	78631	79267
UN74246	Rsa1.0.01995.1	167	36347	4.00E-61	155	167	92 -	1	167	28366	28532
UN74247	Rsa1.0.04025.1	546	19511	5.00E-11	81	95	85 -	381	473	6458	6552
UN74248	Rsa1.0.01492.1	575	44704	1.00E-70	179	192	93 +	1	192	26596	26786
UN74249	Rsa1.0.00061.1	592	218685	1.00E-138	313	336	93 -	1	316	202138	202473
UN74250	Rsa1.0.00237.1	714	235974	0	388	390	99 -	282	671	228973	229362
UN74251	Rsa1.0.08105.1	151	7894	1.00E-45	134	148	90 -	4	151	5446	5587
UN74252	Rsa1.0.00745.1	862	66067	0	523	530	98 -	2	531	20905	21431
UN74253	Rsa1.0.00907.1	731	60062	0	621	670	92 -	5	673	42311	42958
UN74254	Rsa1.0.00055.1	633	520193	1.00E-92	176	177	99 -	2	178	70791	70967

UN74255	Rsa1.0.00135.1	562	178077	0	443	471	94 +	92	562	175796	176257
UN74256	Rsa1.0.00525.1	421	78030	3.00E-36	115	126	91 -	4	129	225	349
UN74257	Rsa1.0.01661.1	764	41400	0	392	397	98 -	368	764	39385	39780
UN74258	Rsa1.0.00298.1	714	349131	0	700	718	97 -	2	714	45189	45906
UN74259	Rsa1.0.03849.1	403	20457	1.00E-88	212	226	93 +	1	224	9360	9581
UN74260	Rsa1.0.00676.1	543	69166	1.00E-144	263	264	99 +	85	348	39232	39495
UN74261	Rsa1.0.05501.1	425	13513	1.00E-108	286	310	92 -	1	310	1401	1706
UN74262	Rsa1.0.00072.1	512	148743	1.00E-178	349	357	97 -	1	356	72748	73103
UN74263	Rsa1.0.22085.1	440	1150	0	430	434	99 +	4	437	612	1045
UN74264	Rsa1.0.01262.1	157	178815	6.00E-63	146	154	94 +	4	157	10671	10824
UN74265	Rsa1.0.02798.1	831	27792	1.00E-169	337	345	97 +	1	343	2772	3114
UN74266	Rsa1.0.05449.1	556	13711	1.00E-124	255	265	96 +	1	265	13217	13481
UN74267	Rsa1.0.00969.1	549	58014	0	535	549	97 +	1	549	21461	22009
UN74268	Rsa1.0.04169.1	197	18712	8.00E-63	173	190	91 +	5	194	1267	1456
UN74269	Rsa1.0.01836.1	673	38503	0	648	670	96 -	4	673	12796	13464
UN74270	Rsa1.0.00816.1	148	403350	8.00E-47	135	147	91 -	2	148	154382	154527
UN74271	Rsa1.0.01568.1	194	43077	2.00E-81	186	196	94 +	1	194	505	700
UN74272	Rsa1.0.20165.1	564	1332	0	507	509	99 -	2	510	327	835
UN74273	Rsa1.0.01674.1	485	168300	1.00E-150	300	310	96 -	1	310	4084	4393
UN74274	Rsa1.0.02105.1	740	156953	1.00E-166	342	356	96 -	2	357	151526	151880
UN74275	Rsa1.0.02003.1	717	36171	0	340	341	99 +	1	341	31510	31850
UN74276	Rsa1.0.01262.1	291	178815	1.00E-158	289	291	99 +	1	291	6946	7236
UN74277	Rsa1.0.00369.1	318	266462	9.00E-67	142	145	97 +	4	147	146432	146576
UN74278	Rsa1.0.01958.1	238	261128	8.00E-51	153	169	90 -	52	220	115205	115371
UN74279	Rsa1.0.04264.1	668	18207	0	659	664	99 -	1	664	3616	4279
UN74280	Rsa1.0.00336.1	405	445051	1.00E-110	266	285	93 +	1	282	205935	206219
UN74281	Rsa1.0.04092.1	220	19128	2.00E-54	123	128	96 -	5	132	3830	3957
UN74282	Rsa1.0.00576.1	187	178949	1.00E-89	182	187	97 -	1	187	73031	73217
UN74283	Rsa1.0.35937.1	743	629	1.00E-106	208	211	98 -	3	211	303	513
UN74284	Rsa1.0.04937.1	486	15401	1.00E-137	281	290	96 -	39	325	12475	12764
UN74285	Rsa1.0.01850.1	556	162224	1.00E-100	206	213	96 -	323	535	34793	35005
UN74286	Rsa1.0.08388.1	335	7436	1.00E-139	301	317	94 +	1	315	3247	3563
UN74287	Rsa1.0.02911.1	745	142461	1.00E-100	191	193	98 -	205	397	8450	8642
UN74288	Rsa1.0.02020.1	160	173211	5.00E-76	156	160	97 +	1	160	18882	19041
UN74289	Rsa1.0.01204.1	710	50843	1.00E-140	261	264	98 -	3	266	11738	12001
UN74290	Rsa1.0.01105.1	454	53958	0	432	454	95 +	3	454	19743	20196
UN74291	Rsa1.0.00260.1	122	102021	4.00E-51	114	118	96 -	1	118	67280	67397
UN74292	Rsa1.0.00829.1	210	158305	7.00E-48	169	194	87 +	5	198	47474	47654
UN74293	Rsa1.0.00666.1	551	69505	0	523	552	94 +	1	551	61963	62509

UN74294	Rsa1.0_04845.1	272	15747	4.00E-25	83	90	92 -	3	90	6233	6322
UN74295	Rsa1.0_05264.1	745	14327	1.00E-141	322	342	94 +	11	351	12141	12481
UN74296	Rsa1.0_02528.1	663	30452	1.00E-178	441	472	93 -	2	470	17924	18384
UN74297	Rsa1.0_00561.1	669	75653	0	633	658	96 +	18	669	4280	4934
UN74298	Rsa1.0_04065.1	471	19275	0	461	462	99 +	1	462	3590	4051
UN74299	Rsa1.0_19831.1	663	1377	3.00E-65	154	163	94 +	4	161	906	1068
UN74300	Rsa1.0_01163.1	792	51946	1.00E-123	329	369	89 +	18	383	3217	3558
UN74301	Rsa1.0_01190.1	629	194501	1.00E-108	202	203	99 -	2	204	7177	7379
UN74302	Rsa1.0_07044.1	638	9986	1.00E-166	303	304	99 +	336	638	1086	1389
UN74303	Rsa1.0_00110.1	159	132719	5.00E-82	157	158	99 +	2	159	30373	30530
UN74304	Rsa1.0_01735.1	792	40128	0	620	633	97 -	113	743	29798	30430
UN74305	Rsa1.0_00585.1	657	74164	7.00E-57	137	145	94 -	268	412	46815	46959
UN74306	Rsa1.0_09260.1	657	6522	0	519	519	100 +	3	521	1501	2019
UN74307	Rsa1.0_00798.1	707	63945	0	682	714	95 -	2	704	20027	20740
UN74308	Rsa1.0_52134.1	688	436	0	340	341	99 +	3	343	96	436
UN74309	Rsa1.0_00556.1	691	207212	1.00E-156	328	341	96 -	354	691	198712	199049
UN74310	Rsa1.0_10947.1	626	5668	0	625	625	100 +	2	626	3118	3742
UN74311	Rsa1.0_03976.1	663	19759	1.00E-105	216	222	97 +	64	285	10193	10413
UN74312	Rsa1.0_29388.1	772	784	1.00E-111	208	209	99 +	1	209	576	784
UN74313	Rsa1.0_08740.1	633	6980	1.00E-149	268	268	100 -	2	269	1988	2255
UN74314	Rsa1.0_00564.1	776	75428	0	685	710	96 -	70	764	71379	72088
UN74315	Rsa1.0_00372.1	764	90418	1.00E-137	287	299	95 +	467	764	44383	44681
UN74316	Rsa1.0_02129.1	529	34757	0	381	381	100 +	149	529	29383	29763
UN74317	Rsa1.0_02117.1	736	34843	0	541	553	97 +	3	555	27959	28508
UN74318	Rsa1.0_01463.1	698	45213	0	431	441	97 +	10	448	35035	35475
UN74319	Rsa1.0_00228.1	597	105511	1.00E-135	244	244	100 +	354	597	84499	84742
UN74320	#	#	#	#	#	#	#	#	#	#	#
UN74321	Rsa1.0_03162.1	790	24895	1.00E-179	324	326	99 -	134	459	7243	7568
UN74322	Rsa1.0_03073.1	792	25574	1.00E-150	302	309	97 +	463	768	8677	8985
UN74323	Rsa1.0_00018.1	716	410899	1.00E-142	290	296	97 +	425	716	140706	141001
UN74324	Rsa1.0_03713.1	248	21221	1.00E-103	242	250	96 -	6	248	11659	11908
UN74325	Rsa1.0_00711.1	451	67223	1.00E-180	333	336	99 -	3	338	53558	53892
UN74326	Rsa1.0_02457.1	725	31208	0	389	392	99 -	336	725	13322	13713
UN74327	Rsa1.0_13860.1	603	4190	0	578	620	93 -	3	603	3012	3629
UN74328	Rsa1.0_01318.1	653	48275	0	636	644	98 +	10	653	25488	26131
UN74329	Rsa1.0_00369.1	796	266462	1.00E-105	194	194	100 -	5	198	147853	148046
UN74330	#	#	#	#	#	#	#	#	#	#	#
UN74331	Rsa1.0_15326.1	308	2683	6.00E-71	159	164	96 -	147	308	1171	1334
UN74332	Rsa1.0_02606.1	409	29635	1.00E-57	117	118	99 -	10	127	26820	26937

UN74333	Rsa1.0.00207.1	697	248736	0	387	404	95 +	153	549	70508	70904
UN74334	Rsa1.0.01244.1	707	50061	1.00E-159	287	288	99 +	2	289	28204	28491
UN74335	Rsa1.0.00127.1	736	127446	1.00E-104	268	292	91 -	259	544	17520	17811
UN74336	Rsa1.0.00024.1	676	188018	0	636	673	94 +	3	673	180627	181291
UN74337	Rsa1.0.02730.1	484	28385	0	378	393	96 -	1	393	984	1370
UN74338	Rsa1.0.00179.1	552	393324	1.00E-150	320	338	94 -	13	350	61348	61676
UN74339	Rsa1.0.00071.1	715	345714	0	681	715	95 -	3	715	318914	319612
UN74340	Rsa1.0.01594.1	706	42612	1.00E-80	153	153	100 +	330	482	8391	8543
UN74341	Rsa1.0.01690.1	330	40939	1.00E-179	327	329	99 -	3	330	24584	24912
UN74342	Rsa1.0.00262.1	578	101906	0	576	578	99 -	1	578	80531	81108
UN74343	Rsa1.0.00014.1	598	348985	1.00E-131	256	262	97 +	107	368	27210	27471
UN74344	Rsa1.0.01478.1	628	44991	1.00E-158	301	307	98 +	3	309	30824	31130
UN74345	Rsa1.0.03127.1	757	25191	0	433	457	94 +	283	734	22256	22712
UN74346	Rsa1.0.14120.1	660	3784	1.00E-124	226	226	100 -	208	433	155	380
UN74347	Rsa1.0.02658.1	187	28978	4.00E-52	162	172	94 -	1	171	17876	18041
UN74348	Rsa1.0.00089.1	795	406142	0	778	781	99 -	2	782	299996	300776
UN74349	Rsa1.0.00807.1	723	63607	2.00E-76	203	222	91 -	376	597	12769	12990
UN74350	Rsa1.0.16221.1	699	2239	0	653	659	99 +	2	659	339	994
UN74351	Rsa1.0.00120.1	705	277288	0	686	699	98 +	3	700	84697	85395
UN74352	Rsa1.0.00473.1	763	212204	2.00E-88	181	186	97 -	293	478	48625	48810
UN74353	Rsa1.0.00554.1	728	150953	0	573	611	93 -	106	704	145016	145626
UN74354	Rsa1.0.01588.1	600	42724	0	586	604	97 +	3	598	10018	10621
UN74355	Rsa1.0.03566.1	727	22050	0	357	364	98 -	217	580	17038	17401
UN74356	Rsa1.0.02411.1	726	31655	1.00E-153	278	279	99 -	1	279	17977	18255
UN74357	Rsa1.0.02970.1	702	26372	1.00E-122	222	222	100 -	140	361	10854	11075
UN74358	Rsa1.0.02350.1	808	32309	0	746	763	97 -	2	759	4726	5485
UN74359	Rsa1.0.00372.1	730	90418	1.00E-129	237	238	99 -	3	240	17722	17959
UN74360	Rsa1.0.02253.1	794	33356	0	431	458	94 -	7	455	11611	12068
UN74361	Rsa1.0.00159.1	709	431686	1.00E-165	297	298	99 +	327	624	170435	170732
UN74362	Rsa1.0.00038.1	782	314568	0	582	611	95 +	180	782	27977	28575
UN74363	Rsa1.0.00018.1	786	410899	1.00E-126	312	342	91 +	80	421	5716	6040
UN74364	Rsa1.0.02801.1	762	27749	1.00E-175	321	323	99 +	1	322	9073	9395
UN74365	Rsa1.0.00121.1	639	278029	8.00E-72	156	162	96 -	1	162	60944	61105
UN74366	Rsa1.0.01749.1	823	39822	0	640	708	90 +	3	687	34594	35295
UN74367	Rsa1.0.02538.1	648	30364	1.00E-124	226	226	100 -	1	226	30089	30314
UN74368	Rsa1.0.27096.1	822	866	1.00E-138	270	273	98 +	523	792	335	607
UN74369	Rsa1.0.02870.1	686	27102	7.00E-23	68	72	94 +	137	208	20026	20097
UN74370	Rsa1.0.00305.1	695	97308	0	606	610	99 +	84	690	37729	38338
UN74371	Rsa1.0.02480.1	730	31036	0	532	540	98 +	4	542	18473	19012

UN74372	Rsa1.0_00252.1	676	102760	1.00E-147	268	269	99 +	3	271	61520	61788
UN74373	Rsa1.0_01236.1	181	50156	4.00E-95	179	180	99 +	2	181	35568	35747
UN74374	Rsa1.0_00369.1	207	266462	8.00E-94	205	215	95 -	1	207	181475	181688
UN74375	Rsa1.0_03037.1	726	25825	1.00E-165	316	323	97 -	211	533	12066	12388
UN74376	Rsa1.0_04371.1	729	17700	1.00E-142	355	387	91 -	5	391	2476	2845
UN74377	Rsa1.0_02226.1	456	33726	8.00E-99	270	295	91 -	166	456	32388	32678
UN74378	Rsa1.0_09568.1	584	6284	1.00E-135	258	261	98 +	2	261	2861	3121
UN74379	Rsa1.0_06160.1	779	11596	0	568	573	99 +	210	779	9411	9983
UN74380	Rsa1.0_01531.1	358	43778	0	354	357	99 +	2	358	26529	26885
UN74381	Rsa1.0_00386.1	803	89134	0	758	768	98 -	1	765	54102	54869
UN74382	Rsa1.0_00212.1	741	108350	0	712	743	95 -	3	740	14821	15559
UN74383	Rsa1.0_00380.1	692	89748	0	359	362	99 +	333	692	88066	88427
UN74384	Rsa1.0_17675.1	797	1767	0	494	517	95 +	243	744	1251	1767
UN74385	Rsa1.0_06083.1	797	11780	1.00E-95	184	186	98 -	473	658	8981	9166
UN74386	Rsa1.0_00021.1	759	263655	0	557	564	98 -	2	565	37710	38273
UN74387	Rsa1.0_03169.1	679	24826	1.00E-109	225	233	96 -	284	516	17574	17806
UN74388	Rsa1.0_00042.1	784	171507	7.00E-85	195	200	97 +	468	662	161589	161788
UN74389	Rsa1.0_05509.1	749	13472	0	745	750	99 -	3	749	12246	12994
UN74390	Rsa1.0_00714.1	620	67187	0	438	453	96 +	3	449	1264	1716
UN74391	Rsa1.0_00295.1	431	152597	8.00E-68	131	131	100 +	1	131	18724	18854
UN74392	Rsa1.0_00016.1	799	831256	1.00E-135	272	278	97 +	524	796	576482	576759
UN74393	Rsa1.0_00974.1	602	57893	0	602	602	100 -	1	602	48414	49015
UN74394	Rsa1.0_02466.1	514	31142	5.00E-85	160	160	100 +	1	160	26630	26789
UN74395	Rsa1.0_01221.1	648	50421	1.00E-106	199	200	99 +	1	200	42911	43110
UN74396	Rsa1.0_02925.1	744	26720	0	456	471	96 +	2	467	2289	2759
UN74397	Rsa1.0_00131.1	552	432233	4.00E-73	161	168	95 +	311	478	10362	10529
UN74398	Rsa1.0_00002.1	610	601661	0	450	470	95 -	150	610	407310	407779
UN74399	Rsa1.0_00138.1	761	247040	1.00E-143	500	580	86 +	119	695	76151	76730
UN74400	Rsa1.0_06603.1	585	10682	1.00E-152	276	277	99 +	3	279	6408	6684
UN74401	Rsa1.0_01168.1	185	153765	8.00E-66	130	131	99 +	1	131	39259	39389
UN74402	Rsa1.0_00148.1	696	120234	0	682	691	98 -	3	693	83998	84683
UN74403	Rsa1.0_00021.1	794	263655	7.00E-76	163	169	96 +	408	576	185794	185962
UN74404	Rsa1.0_09492.1	731	6334	0	460	469	98 -	268	731	5866	6334
UN74405	Rsa1.0_01971.1	789	36641	0	765	774	98 +	3	771	9039	9812
UN74406	Rsa1.0_00116.1	775	365886	0	613	617	99 +	162	775	141397	142013
UN74407	Rsa1.0_00033.1	827	515811	1.00E-179	375	392	95 -	3	389	336256	336642
UN74408	Rsa1.0_03131.1	687	25142	1.00E-112	244	254	96 +	3	255	9702	9954
UN74409	Rsa1.0_03280.1	774	145083	1.00E-140	267	272	98 -	211	482	121982	122253
UN74410	Rsa1.0_00753.1	758	65705	0	511	533	95 +	203	733	56735	57267

UN74411	Rsa1.0.03022.1	777	25968	1.00E-86	181	187	96 +	8	194	1619	1805
UN74412	Rsa1.0.00903.1	695	60228	1.00E-168	299	299	100 +	117	415	7069	7367
UN74413	Rsa1.0.00743.1	702	177459	0	511	524	97 +	3	526	173910	174433
UN74414	Rsa1.0.00172.1	600	115476	1.00E-115	321	357	89 -	232	588	33	386
UN74415	Rsa1.0.01942.1	741	37048	0	717	742	96 +	1	741	284	1025
UN74416	Rsa1.0.00846.1	817	62342	1.00E-116	225	229	98 +	233	461	39992	40220
UN74417	Rsa1.0.02030.1	741	179909	1.00E-129	299	322	92 -	181	502	31734	32046
UN74418	Rsa1.0.00023.1	246	194764	1.00E-133	244	245	99 +	2	246	118529	118773
UN74419	Rsa1.0.00067.1	754	415055	0	480	495	96 +	154	639	226409	226903
UN74420	Rsa1.0.01448.1	649	45645	1.00E-103	191	191	100 -	459	649	45376	45566
UN74421	Rsa1.0.00190.1	322	318240	1.00E-68	224	257	87 -	3	251	91485	91727
UN74422	Rsa1.0.00145.1	665	261008	0	560	612	91 -	61	665	29299	29900
UN74423	Rsa1.0.02163.1	564	34427	1.00E-148	269	270	99 +	295	564	9241	9510
UN74424	Rsa1.0.00139.1	704	357786	0	382	382	100 -	320	701	344421	344802
UN74425	Rsa1.0.00170.1	312	179538	9.00E-30	139	162	85 +	40	194	178170	178331
UN74426	Rsa1.0.00782.1	802	64468	0	641	706	90 -	34	711	38071	38769
UN74427	Rsa1.0.01938.1	731	264018	1.00E-135	252	253	99 -	475	726	150253	150505
UN74428	Rsa1.0.13106.1	751	5009	1.00E-107	250	260	96 -	478	730	4510	4769
UN74429	Rsa1.0.00262.1	301	101906	1.00E-102	237	254	93 -	49	301	66819	67060
UN74430	Rsa1.0.00307.1	766	199003	0	396	416	95 -	354	766	6635	7050
UN74431	Rsa1.0.09397.1	663	6396	0	643	663	96 +	1	663	4407	5069
UN74432	Rsa1.0.01081.1	790	499226	2.00E-79	169	175	96 -	283	457	165070	165244
UN74433	Rsa1.0.00124.1	757	262503	1.00E-175	350	360	97 -	372	729	57220	57579
UN74434	Rsa1.0.00706.1	822	291570	4.00E-77	165	171	96 +	21	191	58083	58253
UN74435	Rsa1.0.00418.1	806	215377	1.00E-128	244	248	98 +	12	259	55274	55521
UN74436	Rsa1.0.18720.1	612	1547	0	608	612	99 -	1	612	350	960
UN74437	Rsa1.0.01543.1	783	43645	1.00E-100	241	251	96 -	517	758	7936	8186
UN74438	Rsa1.0.02494.1	762	132923	1.00E-137	250	251	99 +	203	453	639	889
UN74439	Rsa1.0.33529.1	781	676	0	382	387	98 -	400	781	44	430
UN74440	Rsa1.0.00417.1	745	395068	0	392	394	99 -	1	394	239717	240110
UN74441	Rsa1.0.01925.1	824	37220	1.00E-135	297	310	95 +	3	309	5430	5736
UN74442	Rsa1.0.04552.1	698	16878	3.00E-28	86	93	92 -	503	595	12061	12153
UN74443	Rsa1.0.13693.1	795	4469	0	772	781	98 +	2	777	2008	2788
UN74444	Rsa1.0.01386.1	812	46765	0	364	372	97 +	150	521	45628	45999
UN74445	Rsa1.0.02871.1	748	27085	0	371	381	97 -	22	402	24021	24401
UN74446	Rsa1.0.01768.1	709	138463	1.00E-154	277	277	100 +	2	278	116874	117150
UN74447	Rsa1.0.03552.1	751	22151	0	511	526	97 -	31	556	15663	16188
UN74448	Rsa1.0.05723.1	678	12817	1.00E-159	291	293	99 +	303	595	4735	5027
UN74449	Rsa1.0.02596.1	710	29709	0	398	399	99 +	286	684	27545	27943

UN74450	Rsa1.0_13183.1	696	4979	0	495	500	99 -	1	500	4257	4756
UN74451	Rsa1.0_11602.1	681	5461	1.00E-117	270	289	93 +	13	301	4023	4305
UN74452	Rsa1.0_00498.1	642	79746	1.00E-135	281	293	95 +	274	566	21108	21400
UN74453	Rsa1.0_02136.1	798	34707	1.00E-102	199	201	99 -	3	202	11588	11788
UN74454	Rsa1.0_00069.1	614	403561	0	359	364	98 -	3	366	87684	88046
UN74455	Rsa1.0_34943.1	503	648	1.00E-167	336	349	96 +	155	503	1	349
UN74456	Rsa1.0_00087.1	402	761073	1.00E-151	289	295	97 -	2	296	325613	325907
UN74457	Rsa1.0_00525.1	773	78030	3.00E-81	247	276	89 -	33	299	25023	25288
UN74458	Rsa1.0_72627.1	640	315	1.00E-172	313	315	99 +	294	608	1	315
UN74459	Rsa1.0_00308.1	287	96915	1.00E-111	203	203	100 -	85	287	71168	71370
UN74460	Rsa1.0_00001.1	652	363028	0	561	597	93 +	35	623	59648	60236
UN74461	Rsa1.0_00153.1	167	192931	1.00E-70	160	167	95 +	2	167	168758	168924
UN74462	Rsa1.0_01779.1	333	39448	1.00E-161	318	328	96 +	6	333	27828	28155
UN74463	Rsa1.0_02761.1	273	28151	5.00E-77	149	150	99 +	1	150	9918	10067
UN74464	Rsa1.0_01986.1	655	36489	1.00E-151	323	339	95 -	318	655	4290	4628
UN74465	Rsa1.0_54887.1	678	416	1.00E-172	320	323	99 -	3	324	1	323
UN74466	#	#	#	#	#	#	#	#	#	#	#
UN74467	Rsa1.0_00926.1	670	195072	0	478	482	99 +	1	482	40536	41016
UN74468	Rsa1.0_00861.1	548	61759	0	515	536	96 +	14	548	22926	23455
UN74469	Rsa1.0_00008.1	651	358124	0	634	652	97 +	2	651	62223	62874
UN74470	Rsa1.0_03477.1	187	22635	5.00E-33	78	80	97 -	108	187	7020	7099
UN74471	Rsa1.0_00851.1	755	62181	1.00E-114	219	221	99 +	3	222	27202	27422
UN74472	Rsa1.0_00329.1	802	222544	1.00E-180	407	442	92 +	4	417	175877	176318
UN74473	Rsa1.0_01199.1	701	163576	6.00E-85	225	247	91 -	445	684	124480	124717
UN74474	Rsa1.0_52876.1	799	431	1.00E-147	274	276	99 +	476	750	40	315
UN74475	Rsa1.0_01936.1	548	37151	0	545	546	99 +	3	548	27060	27605
UN74476	Rsa1.0_00236.1	762	104771	0	342	345	99 -	3	347	64349	64693
UN74477	Rsa1.0_00023.1	802	194764	8.00E-91	170	170	100 +	248	417	51516	51685
UN74478	Rsa1.0_00483.1	699	81102	4.00E-86	206	223	92 -	20	242	79605	79815
UN74479	Rsa1.0_00745.1	384	66067	4.00E-32	95	99	95 +	287	382	37012	37110
UN74480	Rsa1.0_01346.1	665	47618	1.00E-109	203	204	99 -	89	292	7648	7851
UN74481	Rsa1.0_00476.1	195	280966	9.00E-38	87	88	98 -	3	89	222193	222280
UN74482	Rsa1.0_02044.1	745	35651	0	740	751	98 -	2	745	15017	15767
UN74483	Rsa1.0_00341.1	651	249309	4.00E-86	177	182	97 +	367	548	121074	121255
UN74484	Rsa1.0_00605.1	237	73199	1.00E-49	119	124	95 -	114	236	72602	72725
UN74485	Rsa1.0_02260.1	720	33260	0	712	733	97 +	1	717	25624	26356
UN74486	Rsa1.0_00055.1	658	520193	0	630	663	95 -	3	658	387929	388590
UN74487	Rsa1.0_00251.1	767	303968	3.00E-13	58	64	90 +	347	410	149154	149217
UN74488	Rsa1.0_00212.1	764	108350	0	746	764	97 +	2	762	81945	82708

UN74489	Rsa1.0.05469.1	276	13644	1.00E-149	274	275	99 -	3	276	2323	2597
UN74490	Rsa1.0.01313.1	572	48387	1.00E-144	266	268	99 -	305	572	8908	9175
UN74491	Rsa1.0.00116.1	801	365886	1.00E-132	239	239	100 -	93	331	37389	37627
UN74492	Rsa1.0.09314.1	823	6461	0	720	727	99 +	79	799	4077	4803
UN74493	Rsa1.0.04057.1	688	19333	0	502	506	99 +	180	685	3402	3907
UN74494	Rsa1.0.00124.1	820	262503	0	740	767	96 -	2	760	194275	195035
UN74495	Rsa1.0.00232.1	827	104936	0	808	837	96 +	2	827	35039	35875
UN74496	Rsa1.0.07724.1	624	8708	0	354	355	99 -	270	624	3377	3731
UN74497	Rsa1.0.00002.1	701	601661	0	415	416	99 +	194	609	68497	68912
UN74498	Rsa1.0.02459.1	477	31185	0	439	439	100 -	5	443	19818	20256
UN74499	Rsa1.0.00005.1	740	353093	0	475	487	97 +	1	479	260168	260654
UN74500	Rsa1.0.00252.1	730	102760	0	498	550	90 -	105	648	94671	95205
UN74501	Rsa1.0.02909.1	295	26856	2.00E-98	283	318	88 -	2	295	11248	11565
UN74502	Rsa1.0.03142.1	709	25043	1.00E-179	318	318	100 -	392	709	24726	25043
UN74503	Rsa1.0.00909.1	767	59976	0	468	477	98 +	164	640	41345	41821
UN74504	Rsa1.0.07884.1	737	8359	0	732	741	98 -	3	737	3382	4122
UN74505	Rsa1.0.00170.1	593	179538	1.00E-138	291	305	95 -	60	364	26523	26827
UN74506	Rsa1.0.02383.1	732	31931	1.00E-167	304	306	99 -	427	732	16481	16786
UN74507	Rsa1.0.00006.1	162	396176	3.00E-74	153	157	97 +	6	162	266592	266748
UN74508	Rsa1.0.01640.1	762	41822	0	753	770	97 +	5	762	36298	37067
UN74509	Rsa1.0.04387.1	336	17625	2.00E-92	172	172	100 -	165	336	13983	14154
UN74510	Rsa1.0.02299.1	682	32857	0	399	399	100 +	284	682	27626	28024
UN74511	Rsa1.0.02340.1	665	32388	0	465	466	99 -	129	594	14485	14950
UN74512	Rsa1.0.00387.1	195	495407	1.00E-103	193	194	99 -	2	195	109135	109328
UN74513	Rsa1.0.00425.1	641	147080	1.00E-158	285	286	99 -	356	641	75404	75689
UN74514	Rsa1.0.00926.1	761	195072	0	661	662	99 -	2	663	190164	190825
UN74515	Rsa1.0.02382.1	738	31969	0	688	753	91 -	1	733	22554	23289
UN74516	Rsa1.0.02825.1	754	27568	1.00E-129	289	303	95 -	35	335	1476	1777
UN74517	Rsa1.0.08488.1	727	7284	1.00E-156	279	279	100 +	3	281	6754	7032
UN74518	Rsa1.0.00991.1	759	143101	1.00E-159	285	285	100 -	284	568	135667	135951
UN74519	Rsa1.0.00540.1	809	76895	1.00E-179	382	400	95 -	299	696	67777	68173
UN74520	Rsa1.0.00321.1	763	95671	1.00E-116	248	259	95 -	69	327	50187	50438
UN74521	Rsa1.0.01667.1	678	41315	1.00E-129	243	246	98 -	89	334	9678	9923
UN74522	Rsa1.0.01199.1	782	163576	1.00E-124	236	238	99 +	3	240	7856	8092
UN74523	Rsa1.0.08728.1	773	6995	1.00E-165	358	374	95 -	328	699	3891	4256
UN74524	Rsa1.0.00141.1	663	121494	0	388	388	100 +	1	388	2773	3160
UN74525	Rsa1.0.00241.1	695	104000	1.00E-21	192	235	81 -	245	477	59638	59868
UN74526	Rsa1.0.32735.1	457	695	1.00E-102	188	188	100 -	220	407	1	188
UN74527	Rsa1.0.05805.1	828	12585	1.00E-153	304	314	96 -	2	315	4241	4554

UN74528	Rsa1.0.01938.1	819	264018	2.33E-156	316	326	96 -	487	805	164699	165024
UN74529	Rsa1.0.00501.1	651	79545	0	384	385	99 -	268	651	58756	59140
UN74530	Rsa1.0.01700.1	813	40745	1.00E-152	301	308	97 -	3	310	31534	31838
UN74531	Rsa1.0.05692.1	799	12914	0	338	338	100 -	293	630	10387	10724
UN74532	Rsa1.0.00069.1	774	403561	1.00E-145	343	370	92 -	123	492	354429	354798
UN74533	Rsa1.0.01219.1	267	50527	4.00E-87	175	179	97 +	89	267	21960	22138
UN74534	Rsa1.0.00060.1	770	502678	1.00E-159	296	299	98 -	156	452	335571	335869
UN74535	Rsa1.0.69677.1	689	329	1.00E-115	213	214	99 -	3	216	1	214
UN74536	Rsa1.0.09304.1	817	6469	0	418	422	99 -	3	424	4620	5041
UN74537	Rsa1.0.00382.1	714	251946	1.00E-102	203	207	98 -	2	205	117497	117703
UN74538	Rsa1.0.01400.1	690	46560	1.00E-117	217	218	99 +	2	219	35918	36135
UN74539	Rsa1.0.02820.1	505	27629	5.00E-94	181	183	98 -	3	185	23880	24062
UN74540	Rsa1.0.00114.1	787	131330	1.00E-132	293	310	94 +	106	415	20550	20856
UN74541	Rsa1.0.01409.1	785	151595	5.00E-89	197	207	95 +	4	210	115823	116029
UN74542	Rsa1.0.00026.1	804	327835	1.00E-120	241	247	97 -	447	692	242367	242613
UN74543	Rsa1.0.01110.1	715	195852	0	698	723	96 -	2	715	36490	37210
UN74544	Rsa1.0.01119.1	691	53459	0	666	692	96 -	6	691	11929	12616
UN74545	Rsa1.0.00205.1	455	193401	0	451	453	99 -	3	455	87972	88424
UN74546	Rsa1.0.07618.1	439	9015	1.00E-102	188	188	100 +	38	225	4910	5097
UN74547	Rsa1.0.05590.1	753	13242	0	695	727	95 +	8	726	3142	3868
UN74548	Rsa1.0.00067.1	757	415055	1.00E-145	340	369	92 +	218	570	226537	226903
UN74549	Rsa1.0.00090.1	830	273859	0	674	676	99 -	85	759	153602	154277
UN74550	Rsa1.0.02470.1	683	31108	1.00E-180	323	324	99 +	342	665	4636	4959
UN74551	Rsa1.0.48315.1	786	469	0	457	466	98 -	249	711	4	469
UN74552	Rsa1.0.00380.1	677	89748	0	429	430	99 -	183	612	78274	78703
UN74553	Rsa1.0.00430.1	764	85453	1.00E-119	227	229	99 +	195	422	38769	38997
UN74554	Rsa1.0.00025.1	579	277312	0	355	356	99 -	220	575	60483	60838
UN74555	Rsa1.0.01635.1	630	41865	0	579	590	98 -	3	592	16007	16592
UN74556	Rsa1.0.14637.1	688	3201	0	559	608	91 +	83	686	2065	2670
UN74557	Rsa1.0.00066.1	426	152418	2.00E-65	133	135	98 -	119	253	140160	140294
UN74558	Rsa1.0.04984.1	485	15240	0	407	408	99 -	78	485	199	606
UN74559	Rsa1.0.00014.1	649	348985	7.00E-94	192	197	97 -	30	223	220714	220910
UN74560	Rsa1.0.17770.1	264	1744	1.00E-139	260	262	99 +	1	262	57	316
UN74561	Rsa1.0.00127.1	707	127446	0	631	646	97 -	62	707	103009	103654
UN74562	Rsa1.0.00053.1	617	263459	6.00E-94	193	199	96 +	344	542	203816	204014
UN74563	Rsa1.0.00874.1	435	179723	1.00E-91	174	175	99 -	114	288	179071	179245
UN74564	Rsa1.0.59025.1	772	388	1.00E-106	202	203	99 -	114	316	31	232
UN74565	Rsa1.0.00277.1	671	100132	0	670	670	100 +	2	671	56093	56762
UN74566	Rsa1.0.06953.1	565	10116	1.00E-130	236	236	100 -	1	236	1093	1328

UN74567	Rsa1.0.03953.1	814	19889	0	807	820	98 -	2	814	2655	3474
UN74568	Rsa1.0.00376.1	561	90101	1.00E-167	327	338	96 -	233	561	7215	7552
UN74569	Rsa1.0.55315.1	597	413	1.00E-116	275	297	92 +	1	284	117	413
UN74570	Rsa1.0.05755.1	778	12730	0	578	585	98 -	185	768	3876	4460
UN74571	Rsa1.0.02431.1	745	31504	0	691	744	92 +	18	743	26257	26997
UN74572	Rsa1.0.07458.1	737	9352	0	446	446	100 -	3	448	796	1241
UN74573	Rsa1.0.00145.1	719	261008	0	386	393	98 +	327	718	241914	242306
UN74574	Rsa1.0.00302.1	230	97521	1.00E-101	219	228	96 +	3	230	36771	36993
UN74575	Rsa1.0.27763.1	487	840	1.00E-160	361	390	92 -	120	487	451	840
UN74576	Rsa1.0.00897.1	337	60498	1.00E-116	233	240	97 +	11	250	21952	22191
UN74577	Rsa1.0.00262.1	464	101906	0	405	407	99 +	3	409	78957	79363
UN74578	Rsa1.0.00014.1	447	348985	1.00E-121	239	244	97 -	1	243	28877	29120
UN74579	Rsa1.0.03127.1	682	25191	0	530	532	99 -	151	682	22755	23286
UN74580	Rsa1.0.01620.1	525	42091	1.00E-168	312	316	98 -	1	316	22919	23234
UN74581	Rsa1.0.05687.1	668	12932	0	572	596	95 -	2	596	3372	3954
UN74582	Rsa1.0.00120.1	738	277288	0	359	371	96 -	368	738	85540	85910
UN74583	Rsa1.0.02113.1	417	34890	1.00E-179	375	394	95 -	17	410	23116	23509
UN74584	Rsa1.0.00021.1	724	263655	0	669	676	98 +	49	724	36414	37089
UN74585	Rsa1.0.00295.1	485	152597	1.00E-176	414	446	92 -	1	433	20082	20526
UN74586	Rsa1.0.02299.1	777	32857	0	335	337	99 -	436	770	7687	8023
UN74587	Rsa1.0.00133.1	142	123768	1.00E-36	123	136	90 +	6	140	8667	8799
UN74588	Rsa1.0.02452.1	662	31280	0	659	661	99 -	2	662	8815	9475
UN74589	Rsa1.0.00021.1	801	263655	0	349	351	99 -	3	353	188994	189344
UN74590	Rsa1.0.01029.1	141	256254	4.00E-30	86	91	94 -	3	92	27661	27751
UN74591	Rsa1.0.00816.1	659	403350	0	648	661	98 -	2	659	264174	264834
UN74592	Rsa1.0.00202.1	648	185895	0	548	596	91 -	1	586	145143	145726
UN74593	Rsa1.0.00224.1	667	327530	1.00E-159	295	297	99 -	164	459	27870	28166
UN74594	Rsa1.0.01334.1	649	47904	0	637	644	98 -	3	646	9363	10005
UN74595	Rsa1.0.03527.1	435	22278	1.00E-69	180	194	92 +	84	277	6534	6726
UN74596	Rsa1.0.00425.1	625	147080	1.00E-151	289	295	97 +	3	297	87991	88285
UN74597	Rsa1.0.03193.1	537	24690	1.00E-163	297	299	99 -	3	301	9096	9394
UN74598	Rsa1.0.02870.1	748	27102	1.00E-104	218	224	97 +	467	688	12375	12598
UN74599	Rsa1.0.00086.1	693	439854	0	547	549	99 -	146	693	342245	342793
UN74600	Rsa1.0.00706.1	646	291570	0	598	626	95 -	33	646	57218	57839
UN74601	Rsa1.0.02321.1	724	32572	0	417	427	97 +	274	698	6149	6574
UN74602	Rsa1.0.00205.1	295	193401	1.00E-107	223	232	96 +	64	295	97462	97693
UN74603	Rsa1.0.00060.1	465	502678	0	436	463	94 -	3	463	44085	44543
UN74604	Rsa1.0.00056.1	738	332604	0	728	739	98 -	3	738	53897	54632
UN74605	Rsa1.0.00075.1	611	146680	0	560	586	95 +	37	611	25376	25960

UN74606	Rsa1.0_00965.1	659	58139	4.00E-49	109	112	97 +	163	274	7485	7596
UN74607	Rsa1.0_00178.1	810	114861	3.00E-90	212	226	93 -	3	228	32804	33020
UN74608	Rsa1.0_00382.1	463	251946	0	432	446	96 -	1	443	107858	108299
UN74609	Rsa1.0_02129.1	199	34757	1.00E-89	191	199	95 -	1	199	29565	29763
UN74610	Rsa1.0_00128.1	190	228675	1.00E-36	93	98	94 +	1	98	150923	151020
UN74611	Rsa1.0_00228.1	528	105511	0	508	518	98 -	1	518	85329	85846
UN74612	#	#	#	#	#	#	#	#	#	#	#
UN74613	Rsa1.0_00044.1	164	271658	8.00E-75	157	162	96 -	1	162	120123	120284
UN74614	Rsa1.0_03073.1	341	25574	1.00E-113	315	344	91 -	1	341	9386	9718
UN74615	Rsa1.0_00351.1	262	413096	1.00E-108	246	262	93 +	1	262	13876	14137
UN74616	Rsa1.0_02457.1	747	31208	0	399	399	100 +	3	401	12516	12914
UN74617	Rsa1.0_16069.1	475	2298	1.00E-172	324	330	98 -	146	475	1969	2298
UN74618	Rsa1.0_00473.1	461	212204	0	432	456	94 -	1	456	15832	16278
UN74619	Rsa1.0_00369.1	448	266462	1.00E-122	255	266	95 +	1	256	146312	146576
UN74620	Rsa1.0_02222.1	458	152798	1.00E-161	287	287	100 -	2	288	131032	131318
UN74621	Rsa1.0_00053.1	616	263459	2.00E-17	62	67	92 -	550	616	205068	205134
UN74622	Rsa1.0_02797.1	225	27800	1.00E-119	223	225	99 +	1	225	8976	9200
UN74623	Rsa1.0_16480.1	622	2141	0	598	599	99 -	24	622	1161	1759
UN74624	Rsa1.0_01509.1	241	44258	4.00E-71	181	194	93 -	26	219	17429	17618
UN74625	Rsa1.0_00191.1	809	316976	0	675	687	98 +	94	774	132309	132995
UN74626	Rsa1.0_57953.1	645	395	1.00E-123	243	247	98 -	2	247	1	245
UN74627	Rsa1.0_09321.1	745	6456	0	348	349	99 -	392	739	864	1212
UN74628	Rsa1.0_05715.1	707	12850	1.00E-120	226	228	99 +	5	232	11110	11337
UN74629	Rsa1.0_00027.1	776	283362	1.00E-130	267	275	97 -	444	718	118292	118563
UN74630	Rsa1.0_00433.1	649	85381	1.00E-112	214	217	98 +	251	467	64088	64304
UN74631	Rsa1.0_00342.1	715	93695	1.00E-100	440	522	84 +	37	557	90504	91024
UN74632	Rsa1.0_00154.1	552	189461	1.00E-100	201	206	97 -	3	208	43833	44038
UN74633	Rsa1.0_01302.1	716	48907	0	696	715	97 +	6	716	47053	47764
UN74634	Rsa1.0_00588.1	780	73939	0	649	665	97 +	2	663	39875	40539
UN74635	Rsa1.0_00192.1	777	278200	0	423	439	96 +	1	439	37941	38378
UN74636	Rsa1.0_04181.1	784	18615	0	526	535	98 +	258	784	936	1470
UN74637	Rsa1.0_24301.1	779	994	1.00E-114	239	247	96 +	12	256	751	994
UN74638	Rsa1.0_00024.1	577	188018	1.00E-137	504	592	85 -	1	577	60717	61266
UN74639	Rsa1.0_01031.1	722	56236	1.00E-108	205	207	99 -	4	210	41501	41707
UN74640	Rsa1.0_00649.1	820	70263	0	406	425	95 -	315	739	5699	6123
UN74641	Rsa1.0_00160.1	350	346678	1.00E-161	315	324	97 -	27	350	216752	217075
UN74642	Rsa1.0_00346.1	594	93130	0	342	342	100 -	3	344	15126	15467
UN74643	Rsa1.0_00046.1	106	320315	3.00E-27	65	66	98 +	41	106	78901	78966
UN74644	Rsa1.0_00693.1	405	161311	1.00E-153	320	334	95 -	72	405	47054	47386

UN74645	Rsa1.0_01222.1	751	50398	1.00E-55	123	127	96 -	111	237	4033	4159
UN74646	Rsa1.0_06430.1	179	11034	6.00E-42	90	91	98 +	1	91	7184	7274
UN74647	Rsa1.0_01905.1	687	37450	0	684	688	99 +	1	687	28418	29105
UN74648	Rsa1.0_13611.1	669	4641	1.00E-117	324	358	90 +	330	665	4127	4484
UN74649	Rsa1.0_02544.1	507	30290	0	506	506	100 +	2	507	18870	19375
UN74650	Rsa1.0_02573.1	657	29955	0	655	659	99 +	1	657	658	1315
UN74651	Rsa1.0_00335.1	774	94371	1.00E-123	265	277	95 +	51	326	42210	42486
UN74652	Rsa1.0_00149.1	791	305196	0	404	410	98 -	379	784	201703	202112
UN74653	Rsa1.0_00291.1	380	172129	1.00E-118	339	380	89 +	1	379	45610	45971
UN74654	Rsa1.0_00013.1	615	292129	0	614	614	100 -	2	615	111441	112054
UN74655	Rsa1.0_02841.1	242	27383	6.00E-58	175	191	91 -	60	240	1903	2091
UN74656	Rsa1.0_01263.1	769	49703	3.00E-44	104	108	96 -	367	474	31312	31419
UN74657	Rsa1.0_00783.1	558	64459	0	340	345	98 -	3	347	20683	21027
UN74658	Rsa1.0_00792.1	599	64163	0	486	520	93 -	81	598	8850	9351
UN74659	Rsa1.0_00017.1	396	752458	5.00E-44	117	125	93 +	265	389	695109	695230
UN74660	Rsa1.0_04402.1	231	17511	3.00E-56	138	146	94 +	86	231	14886	15029
UN74661	Rsa1.0_01153.1	780	52264	0	725	776	93 +	1	758	49193	49968
UN74662	Rsa1.0_01062.1	775	55325	1.00E-100	195	198	98 +	313	510	37369	37566
UN74663	Rsa1.0_05646.1	409	13059	1.00E-100	189	190	99 -	6	195	3136	3325
UN74664	Rsa1.0_01000.1	838	57140	4.00E-74	142	142	100 -	253	394	42100	42241
UN74665	Rsa1.0_09340.1	448	6443	1.00E-137	273	281	97 +	168	448	5945	6221
UN74666	Rsa1.0_00251.1	639	303968	1.00E-105	197	198	99 -	362	559	113345	113542
UN74667	Rsa1.0_01117.1	798	53465	0	337	337	100 +	303	639	22937	23273
UN74668	Rsa1.0_06923.1	767	10158	0	731	780	93 +	10	762	288	1067
UN74669	Rsa1.0_00018.1	337	410899	3.00E-45	93	93	100 +	245	337	244894	244986
UN74670	Rsa1.0_04275.1	639	18136	1.00E-126	247	253	97 +	386	638	515	767
UN74671	Rsa1.0_02966.1	776	135126	0	427	448	95 +	15	462	17403	17844
UN74672	Rsa1.0_03956.1	829	19872	0	824	834	98 +	3	829	13118	13951
UN74673	Rsa1.0_00022.1	809	200461	0	432	433	99 -	3	435	53652	54084
UN74674	Rsa1.0_00074.1	635	147591	0	577	593	97 +	1	589	127802	128394
UN74675	Rsa1.0_00414.1	679	202190	0	398	399	99 +	271	669	22123	22521
UN74676	Rsa1.0_00342.1	718	93695	0	454	454	100 -	58	511	15020	15473
UN74677	Rsa1.0_04438.1	629	17361	0	513	514	99 +	116	629	13274	13787
UN74678	Rsa1.0_02125.1	776	34775	1.00E-126	266	273	97 +	470	738	17757	18029
UN74679	Rsa1.0_00213.1	779	108167	0	772	784	98 -	2	779	41939	42722
UN74680	Rsa1.0_00294.1	494	144860	8.00E-90	171	172	99 -	306	477	60801	60972
UN74681	Rsa1.0_00012.1	561	222148	0	439	464	94 +	61	517	101444	101901
UN74682	Rsa1.0_00336.1	784	445051	1.00E-95	190	194	97 +	412	605	217848	218041
UN74683	Rsa1.0_00890.1	817	323870	0	497	500	99 +	18	514	182323	182822

UN74684	Rsa1.0_00765.1	799	65029	0	766	786	97 -	3	786	30072	30857
UN74685	Rsa1.0_22749.1	203	1098	1.00E-104	200	203	98 -	1	203	243	445
UN74686	Rsa1.0_00205.1	341	193401	1.00E-101	301	335	89 -	8	341	38434	38757
UN74687	Rsa1.0_00138.1	460	247040	2.00E-16	69	77	89 -	166	242	93587	93663
UN74688	Rsa1.0_00845.1	497	62346	5.00E-91	176	178	98 -	1	178	13147	13324
UN74689	Rsa1.0_00266.1	123	163932	7.00E-59	121	123	98 +	1	123	128787	128909
UN74690	Rsa1.0_00753.1	502	65705	1.00E-153	446	502	88 -	1	502	58257	58747
UN74691	Rsa1.0_08285.1	492	7606	1.00E-153	366	395	92 -	2	383	6676	7068
UN74692	Rsa1.0_16475.1	381	2143	0	354	359	98 -	1	359	1084	1441
UN74693	Rsa1.0_00236.1	617	104771	0	608	615	98 +	3	617	82614	83228
UN74694	Rsa1.0_00046.1	379	320315	1.00E-170	354	370	95 -	8	376	16772	17141
UN74695	Rsa1.0_00711.1	124	67223	1.00E-51	118	123	95 +	2	124	6579	6701
UN74696	Rsa1.0_00035.1	781	176449	3.00E-99	277	308	89 -	45	341	5459	5757
UN74697	Rsa1.0_01717.1	782	143162	1.00E-169	335	341	98 -	446	782	29057	29397
UN74698	Rsa1.0_02662.1	559	28956	0	547	570	95 +	1	559	28091	28659
UN74699	Rsa1.0_15523.1	424	2559	0	405	422	95 -	3	424	476	896
UN74700	Rsa1.0_03656.1	701	21552	1.00E-154	276	276	100 -	3	278	17631	17906
UN74701	Rsa1.0_01955.1	572	36850	1.00E-155	336	350	96 +	226	572	13035	13383
UN74702	Rsa1.0_01933.1	580	37172	1.00E-134	276	287	96 -	294	580	5387	5673
UN74703	Rsa1.0_00401.1	560	244410	1.00E-70	182	194	93 -	3	195	176762	176951
UN74704	Rsa1.0_01081.1	547	499226	1.00E-161	315	324	97 +	24	347	459695	460018
UN74705	Rsa1.0_02223.1	738	152421	1.00E-111	269	286	94 +	458	738	129665	129948
UN74706	Rsa1.0_00644.1	524	136881	0	412	421	97 +	77	496	28143	28562
UN74707	Rsa1.0_07813.1	641	8493	0	620	634	97 -	5	638	2485	3118
UN74708	Rsa1.0_00035.1	752	176449	1.00E-112	243	254	95 +	3	255	94181	94434
UN74709	#	#	#	#	#	#	#	#	#	#	#
UN74710	Rsa1.0_01145.1	826	149247	2.00E-70	136	136	100 -	5	140	126174	126309
UN74711	Rsa1.0_01146.1	768	163455	0	559	575	97 -	3	577	37428	37996
UN74712	Rsa1.0_00516.1	567	78417	1.00E-161	306	310	98 -	1	306	37437	37746
UN74713	Rsa1.0_05884.1	158	12337	1.00E-73	152	156	97 +	3	158	282	437
UN74714	Rsa1.0_00707.1	715	190112	0	634	650	97 -	67	715	14060	14708
UN74715	Rsa1.0_00138.1	570	247040	1.00E-178	340	348	97 +	223	570	233764	234111
UN74716	Rsa1.0_00013.1	547	292129	1.00E-177	388	411	94 +	140	547	142609	143016
UN74717	#	#	#	#	#	#	#	#	#	#	#
UN74718	Rsa1.0_00046.1	729	320315	0	521	535	97 +	15	547	64750	65283
UN74719	Rsa1.0_00055.1	770	520193	1.00E-123	240	245	97 -	476	720	62033	62277
UN74720	Rsa1.0_16742.1	484	2049	1.00E-161	336	352	95 +	75	426	1698	2049
UN74721	Rsa1.0_00161.1	813	116891	1.00E-172	309	310	99 +	25	334	34748	35057
UN74722	Rsa1.0_00734.1	681	66508	1.00E-110	215	219	98 -	355	573	60083	60301

UN74723	Rsa1.0.01445.1	460	45671	7.00E-93	179	181	98 +	3	183	9893	10073
UN74724	Rsa1.0.03740.1	822	21065	0	590	600	98 +	3	602	15350	15949
UN74725	Rsa1.0.00354.1	777	232005	0	662	695	95 +	3	686	177805	178493
UN74726	Rsa1.0.01065.1	667	55264	0	663	667	99 +	1	667	28756	29422
UN74727	Rsa1.0.00292.1	786	98141	5.00E-86	201	213	94 -	3	213	64971	65183
UN74728	#	#	#	#	#	#	#	#	#	#	#
UN74729	Rsa1.0.00205.1	412	193401	2.00E-43	93	94	98 +	131	224	126552	126645
UN74730	Rsa1.0.00516.1	239	78417	1.00E-105	237	249	95 +	2	239	20126	20373
UN74731	Rsa1.0.13644.1	250	4580	1.00E-129	246	249	98 +	3	250	1408	1656
UN74732	Rsa1.0.02477.1	736	31058	0	728	739	98 -	3	736	10448	11185
UN74733	Rsa1.0.00581.1	686	163575	0	587	589	99 +	98	686	157546	158134
UN74734	Rsa1.0.03700.1	703	21299	0	659	667	98 -	31	697	7588	8254
UN74735	Rsa1.0.00004.1	667	253996	2.00E-75	156	160	97 -	507	666	44568	44727
UN74736	Rsa1.0.00780.1	811	147795	0	499	532	93 -	1	532	25606	26112
UN74737	Rsa1.0.00038.1	742	314568	1.00E-171	372	393	94 +	356	739	141728	142119
UN74738	Rsa1.0.00118.1	674	130637	0	574	599	95 +	3	595	28805	29403
UN74739	Rsa1.0.00075.1	535	146680	0	516	556	92 +	3	535	27629	28184
UN74740	Rsa1.0.01516.1	652	44196	0	404	425	95 -	1	425	36762	37184
UN74741	Rsa1.0.09098.1	598	6647	2.00E-94	190	194	97 +	249	442	5243	5433
UN74742	Rsa1.0.02409.1	632	31663	0	370	382	96 -	1	380	10497	10878
UN74743	Rsa1.0.00308.1	775	96915	1.00E-83	175	178	98 -	585	760	92282	92459
UN74744	Rsa1.0.01017.1	612	56714	1.00E-125	268	280	95 -	187	463	18548	18824
UN74745	Rsa1.0.01600.1	684	42537	1.00E-103	223	232	96 -	458	684	37538	37769
UN74746	Rsa1.0.02256.1	603	33329	1.00E-134	279	291	95 +	183	473	13813	14103
UN74747	Rsa1.0.01558.1	680	43287	0	656	681	96 -	4	680	22012	22692
UN74748	Rsa1.0.02487.1	682	30928	0	675	682	98 -	2	682	11361	12042
UN74749	Rsa1.0.01459.1	679	45277	5.00E-98	182	182	100 -	2	183	3246	3427
UN74750	Rsa1.0.00273.1	736	326186	0	601	642	93 -	4	642	40305	40931
UN74751	Rsa1.0.08388.1	635	7436	0	501	531	94 -	109	635	5227	5745
UN74752	Rsa1.0.00206.1	701	109040	6.00E-85	248	275	90 +	411	677	14258	14532
UN74753	Rsa1.0.00727.1	762	66724	5.00E-92	205	212	96 -	522	730	49448	49659
UN74754	Rsa1.0.01595.1	701	175383	3.00E-31	265	330	80 -	357	686	161545	161874
UN74755	Rsa1.0.00961.1	651	58185	1.00E-159	331	346	95 +	2	344	14673	15018
UN74756	Rsa1.0.00457.1	807	337301	0	776	803	96 +	8	805	176509	177311
UN74757	Rsa1.0.07150.1	467	9817	0	466	467	99 -	1	467	7806	8272
UN74758	Rsa1.0.00381.1	818	89718	1.00E-115	220	223	98 -	291	513	86318	86540
UN74759	Rsa1.0.11741.1	816	5423	1.00E-156	445	500	89 -	193	692	4597	5096
UN74760	Rsa1.0.00485.1	790	80937	0	787	794	99 -	1	790	72041	72834
UN74761	Rsa1.0.01331.1	643	47944	0	381	386	98 +	3	388	19983	20368

UN74762	Rsa1.0.02368.1	769	32096	0	493	495	99 -	2	496	2917	3411
UN74763	Rsa1.0.24989.1	616	957	4.00E-86	177	182	97 +	337	518	157	338
UN74764	Rsa1.0.07880.1	335	8369	1.00E-113	219	223	98 +	2	224	6510	6732
UN74765	Rsa1.0.00238.1	759	193193	0	534	555	96 +	186	737	15040	15594
UN74766	Rsa1.0.00191.1	730	316976	0	359	366	98 -	370	730	124395	124760
UN74767	Rsa1.0.00294.1	745	144860	0	437	442	98 +	242	682	67251	67692
UN74768	Rsa1.0.00872.1	452	61495	1.00E-54	202	233	86 -	96	328	51208	51440
UN74769	Rsa1.0.00080.1	263	190437	1.00E-139	261	263	99 -	2	263	97186	97448
UN74770	Rsa1.0.00180.1	541	114581	4.00E-64	208	239	87 -	309	527	20895	21133
UN74771	Rsa1.0.00200.1	607	162016	1.00E-122	222	222	100 -	3	224	137577	137798
UN74772	Rsa1.0.00182.1	800	142305	0	766	771	99 +	1	769	134959	135729
UN74773	Rsa1.0.66604.1	814	344	1.00E-120	231	235	98 -	447	681	1	235
UN74774	Rsa1.0.00017.1	811	752458	0	395	405	97 +	198	602	37911	38313
UN74775	Rsa1.0.00545.1	569	189649	0	444	453	98 -	3	455	57177	57629
UN74776	Rsa1.0.00104.1	757	368722	1.00E-119	279	295	94 +	454	745	201064	201355
UN74777	Rsa1.0.00989.1	205	57494	1.00E-105	196	197	99 -	9	205	15374	15570
UN74778	Rsa1.0.01928.1	723	37192	0	592	624	94 -	52	674	25252	25874
UN74779	Rsa1.0.00131.1	713	432233	1.00E-121	224	225	99 +	92	316	286479	286703
UN74780	Rsa1.0.08741.1	764	6977	0	719	758	94 +	5	760	5676	6418
UN74781	Rsa1.0.00792.1	742	64163	2.00E-60	297	355	83 -	262	610	4381	4735
UN74782	Rsa1.0.00055.1	684	520193	1.00E-113	225	231	97 +	200	430	53753	53983
UN74783	Rsa1.0.01609.1	443	42280	1.00E-123	251	260	96 +	184	443	29202	29461
UN74784	Rsa1.0.01537.1	647	187285	0	645	646	99 +	2	647	164431	165076
UN74785	Rsa1.0.01642.1	751	41772	0	570	597	95 +	67	652	8814	9410
UN74786	Rsa1.0.00447.1	405	84051	1.00E-88	184	190	96 +	186	375	32876	33065
UN74787	Rsa1.0.00062.1	145	299291	4.00E-39	85	86	98 -	60	145	261669	261754
UN74788	Rsa1.0.00157.1	552	245832	4.00E-33	99	105	94 +	290	393	165654	165757
UN74789	Rsa1.0.00562.1	527	75565	0	521	528	98 +	2	527	12298	12824
UN74790	Rsa1.0.01242.1	731	50066	0	722	731	98 -	1	731	38093	38823
UN74791	Rsa1.0.01195.1	730	147988	0	714	731	97 -	1	730	33944	34673
UN74792	Rsa1.0.01375.1	687	47038	1.00E-165	434	476	91 +	201	672	3676	4148
UN74793	Rsa1.0.01827.1	762	143321	0	463	475	97 -	289	762	118855	119329
UN74794	Rsa1.0.06035.1	195	11874	2.00E-41	99	102	97 -	95	195	8606	8707
UN74795	Rsa1.0.00339.1	796	222974	1.00E-149	271	272	99 +	3	274	210791	211062
UN74796	Rsa1.0.34500.1	710	656	0	456	460	99 -	24	483	200	656
UN74797	Rsa1.0.00273.1	618	326186	1.00E-103	249	268	92 +	149	416	309490	309754
UN74798	Rsa1.0.00087.1	748	761073	1.00E-120	219	219	100 -	93	311	363305	363523
UN74799	Rsa1.0.00128.1	610	228675	1.00E-103	194	195	99 -	2	196	111148	111342
UN74800	Rsa1.0.14316.1	801	3538	0	710	726	97 +	65	782	2813	3538

UN74801	Rsa1.0.00038.1	711	314568	0	688	700	98 -	9	706	171475	172174
UN74802	Rsa1.0.04177.1	532	18646	0	427	434	98 +	99	532	6866	7299
UN74803	Rsa1.0.01085.1	738	54539	0	420	445	94 -	3	442	12013	12454
UN74804	Rsa1.0.02459.1	414	31185	1.00E-145	268	269	99 +	1	268	19566	19834
UN74805	Rsa1.0.00651.1	466	247766	1.00E-161	371	398	93 -	1	395	80988	81380
UN74806	Rsa1.0.00104.1	250	368722	9.00E-91	226	245	92 +	1	245	225020	225264
UN74807	Rsa1.0.00252.1	446	102760	0	429	448	95 +	1	444	93563	94010
UN74808	Rsa1.0.02909.1	207	26856	5.00E-55	132	139	94 +	64	199	11400	11538
UN74809	Rsa1.0.00909.1	600	59976	1.00E-135	316	338	93 -	107	433	43852	44186
UN74810	Rsa1.0.06803.1	372	10330	1.00E-176	360	375	96 +	1	372	4643	5017
UN74811	Rsa1.0.00207.1	451	248736	0	440	453	97 -	1	451	72411	72863
UN74812	Rsa1.0.04588.1	199	16739	1.00E-40	100	104	96 -	1	104	15917	16018
UN74813	Rsa1.0.00380.1	716	89748	0	372	376	98 -	2	377	88066	88441
UN74814	Rsa1.0.00179.1	611	393324	0	490	508	96 +	42	549	59303	59810
UN74815	Rsa1.0.01997.1	611	158416	8.00E-75	146	147	99 -	1	147	16696	16842
UN74816	Rsa1.0.00676.1	814	69166	1.00E-113	222	227	97 +	51	277	39269	39495
UN74817	Rsa1.0.06124.1	739	11681	0	455	457	99 +	284	739	6870	7326
UN74818	Rsa1.0.00019.1	438	301669	4.00E-76	183	196	93 +	76	265	181304	181499
UN74819	Rsa1.0.00221.1	494	106972	2.00E-84	159	159	100 -	239	397	64179	64337
UN74820	Rsa1.0.00740.1	685	215972	5.00E-98	185	186	99 +	365	550	53784	53969
UN74821	Rsa1.0.00487.1	366	80674	2.00E-95	177	177	100 -	66	242	65471	65647
UN74822	Rsa1.0.00028.1	585	293984	0	460	462	99 +	124	585	119853	120314
UN74823	Rsa1.0.02995.1	772	26163	0	365	375	97 +	395	768	24525	24899
UN74824	Rsa1.0.05336.1	418	14117	4.00E-48	98	98	100 +	83	180	10601	10698
UN74825	Rsa1.0.02269.1	822	33168	0	446	468	95 -	23	479	32251	32715
UN74826	Rsa1.0.03978.1	631	19753	1.00E-76	146	146	100 +	382	527	11542	11687
UN74827	Rsa1.0.00248.1	675	163568	1.00E-155	324	339	95 -	340	675	40343	40681
UN74828	Rsa1.0.00197.1	232	109714	1.00E-125	229	230	99 +	3	232	8614	8843
UN74829	Rsa1.0.00592.1	489	73788	3.00E-92	325	372	87 -	20	390	21332	21696
UN74830	Rsa1.0.04021.1	139	19536	3.00E-61	133	137	97 -	3	139	5010	5143
UN74831	Rsa1.0.01610.1	670	42274	0	403	410	98 -	266	670	11521	11930
UN74832	Rsa1.0.00580.1	647	74515	1.00E-145	261	261	100 -	3	263	5772	6032
UN74833	Rsa1.0.01435.1	621	45942	2.33E-156	343	366	93 +	260	621	28028	28393
UN74834	Rsa1.0.02237.1	487	33544	0	485	486	99 -	2	487	25	510
UN74835	Rsa1.0.00305.1	487	97308	0	328	328	100 +	159	486	91981	92308
UN74836	Rsa1.0.00083.1	479	442773	0	476	478	99 -	2	479	327427	327904
UN74837	Rsa1.0.00777.1	718	191865	0	470	473	99 -	246	718	143488	143960
UN74838	Rsa1.0.00126.1	431	127534	1.00E-142	294	307	95 -	118	424	114801	115107
UN74839	Rsa1.0.00789.1	486	64233	1.00E-151	289	295	97 -	192	486	38590	38884

UN74840	#	#	#	#	#	#	#	#	#	#	#	#
UN74841	Rsa1.0.00579.1	377	148308	0	375	377	99 -	1	377	15810	16186	
UN74842	Rsa1.0.00701.1	425	67691	1.00E-124	249	257	96 -	3	259	6195	6451	
UN74843	Rsa1.0.03387.1	811	23278	0	624	663	94 +	154	811	7459	8120	
UN74844	Rsa1.0.03781.1	802	20891	0	562	580	96 +	166	741	11400	11979	
UN74845	Rsa1.0.02057.1	422	35540	1.00E-180	329	332	99 +	3	334	6752	7083	
UN74846	Rsa1.0.01783.1	749	39383	0	461	467	98 +	280	742	30740	31206	
UN74847	Rsa1.0.02698.1	776	28593	0	488	503	97 -	3	505	1890	2379	
UN74848	Rsa1.0.00202.1	194	185895	6.00E-42	102	107	95 +	49	155	131897	132003	
UN74849	Rsa1.0.00744.1	618	66084	0	458	459	99 -	160	618	64878	65336	
UN74850	Rsa1.0.00394.1	685	148426	0	532	556	95 -	4	559	67486	68033	
UN74851	Rsa1.0.00427.1	795	189678	5.00E-92	172	172	100 +	448	619	168324	168495	
UN74852	Rsa1.0.01585.1	642	42806	1.00E-141	273	279	97 -	5	283	35	313	
UN74853	Rsa1.0.08831.1	668	6887	1.00E-126	239	241	99 -	430	668	4463	4703	
UN74854	Rsa1.0.04060.1	562	19313	1.00E-147	280	285	98 +	278	562	16471	16755	
UN74855	Rsa1.0.00818.1	781	62939	0	723	788	91 +	3	761	35427	36205	
UN74856	Rsa1.0.00301.1	198	365315	5.00E-55	109	109	100 -	90	198	363329	363437	
UN74857	Rsa1.0.01020.1	674	56619	1.00E-122	331	365	90 -	57	420	38069	38426	
UN74858	Rsa1.0.00737.1	794	66432	0	367	368	99 +	174	541	29011	29378	
UN74859	Rsa1.0.00531.1	727	77387	1.00E-152	287	289	99 -	441	727	57896	58184	
UN74860	Rsa1.0.00280.1	784	99966	0	432	458	94 +	59	504	98620	99074	
UN74861	Rsa1.0.01365.1	802	47142	0	627	659	95 -	139	793	18294	18943	
UN74862	Rsa1.0.01503.1	812	44467	0	556	561	99 +	220	777	20727	21287	
UN74863	Rsa1.0.01259.1	491	49754	8.00E-93	182	185	98 +	307	491	34296	34480	
UN74864	Rsa1.0.01112.1	857	310601	1.00E-172	411	448	91 +	155	602	44499	44925	
UN74865	Rsa1.0.00270.1	585	101236	0	426	439	97 -	147	585	94154	94592	
UN74866	Rsa1.0.02258.1	684	33307	1.00E-112	216	219	98 -	3	221	26139	26354	
UN74867	Rsa1.0.05871.1	428	12356	0	385	395	97 +	37	428	4511	4899	
UN74868	Rsa1.0.01896.1	663	37512	1.00E-111	228	236	96 -	2	237	9975	10210	
UN74869	Rsa1.0.00111.1	769	390088	8.00E-91	194	202	96 -	360	561	382359	382560	
UN74870	Rsa1.0.07481.1	757	9280	0	483	502	96 -	126	616	4516	5016	
UN74871	Rsa1.0.00421.1	814	86365	1.00E-105	240	255	94 -	257	511	81604	81858	
UN74872	Rsa1.0.00476.1	574	280966	0	568	572	99 +	3	574	151105	151676	
UN74873	Rsa1.0.17721.1	653	1757	1.00E-165	381	408	93 -	1	400	119	520	
UN74874	Rsa1.0.00072.1	616	148743	1.00E-103	202	206	98 -	411	616	75109	75314	
UN74875	Rsa1.0.00121.1	239	278029	5.00E-74	189	203	93 -	1	202	44990	45189	
UN74876	Rsa1.0.01506.1	744	44370	2.00E-94	191	196	97 -	383	578	32953	33148	
UN74877	Rsa1.0.02982.1	609	26270	0	565	566	99 +	3	568	8891	9456	
UN74878	Rsa1.0.00525.1	735	78030	0	399	412	96 +	238	649	9537	9948	

UN74879	Rsa1.0_14356.1	834	3485	0	479	499	95 +	294	789	1709	2207
UN74880	Rsa1.0_00056.1	777	332604	1.00E-135	244	244	100 +	99	342	309265	309508
UN74881	Rsa1.0_04319.1	796	17944	0	524	532	98 -	3	534	16581	17112
UN74882	Rsa1.0_00236.1	795	104771	0	655	669	97 +	124	790	14512	15177
UN74883	Rsa1.0_00141.1	349	121494	2.00E-98	185	186	99 +	164	349	33901	34086
UN74884	Rsa1.0_00246.1	799	103541	0	699	723	96 -	5	724	71554	72276
UN74885	Rsa1.0_00179.1	781	393324	1.00E-119	292	317	92 -	12	328	281826	282136
UN74886	Rsa1.0_00194.1	742	110851	1.00E-116	254	265	95 -	466	728	97004	97268
UN74887	Rsa1.0_03368.1	779	23382	0	772	785	98 +	3	779	5225	6008
UN74888	Rsa1.0_00131.1	852	432233	2.00E-88	166	166	100 -	537	702	48213	48378
UN74889	Rsa1.0_01716.1	669	40483	1.00E-172	383	410	93 +	276	669	11938	12339
UN74890	Rsa1.0_05204.1	783	14516	1.00E-147	283	289	97 -	185	473	6647	6935
UN74891	Rsa1.0_00376.1	641	90101	0	639	639	100 +	3	641	13154	13792
UN74892	Rsa1.0_00079.1	783	606987	1.00E-154	304	313	97 +	159	471	55593	55905
UN74893	Rsa1.0_24497.1	775	985	0	440	460	95 +	1	454	273	729
UN74894	Rsa1.0_04478.1	709	17183	1.00E-120	235	240	97 +	430	669	2935	3174
UN74895	Rsa1.0_10543.1	678	5808	0	666	676	98 +	4	678	2605	3280
UN74896	Rsa1.0_00107.1	679	431659	1.00E-115	233	240	97 -	78	317	183555	183791
UN74897	Rsa1.0_02336.1	823	32397	1.00E-148	305	315	96 -	3	315	3835	4149
UN74898	Rsa1.0_04185.1	405	18589	1.00E-117	348	392	88 -	14	405	4366	4754
UN74899	Rsa1.0_00347.1	464	93048	0	383	387	98 -	81	464	66844	67230
UN74900	Rsa1.0_00224.1	721	327530	1.00E-129	235	235	100 +	3	237	42011	42245
UN74901	Rsa1.0_05219.1	771	14455	1.00E-110	267	285	93 -	328	609	9101	9379
UN74902	Rsa1.0_43213.1	455	520	0	388	389	99 +	2	390	131	519
UN74903	Rsa1.0_01133.1	558	52916	0	328	328	100 +	231	558	33533	33860
UN74904	Rsa1.0_00201.1	801	232851	4.00E-62	208	236	88 -	324	559	209398	209630
UN74905	Rsa1.0_00201.1	624	232851	1.00E-171	333	340	97 -	285	624	212055	212392
UN74906	Rsa1.0_03944.1	637	19926	1.00E-70	145	148	97 +	115	262	7185	7332
UN74907	Rsa1.0_03744.1	707	21053	0	673	699	96 -	1	697	9355	10052
UN74908	Rsa1.0_00204.1	782	109056	0	614	615	99 +	3	617	66528	67142
UN74909	Rsa1.0_00969.1	781	58014	0	778	782	99 -	3	781	14566	15347
UN74910	Rsa1.0_01544.1	664	185602	0	455	456	99 +	201	656	176544	176999
UN74911	Rsa1.0_00306.1	534	146760	0	397	409	97 +	126	534	55152	55560
UN74912	Rsa1.0_00278.1	815	231896	0	613	624	98 -	194	815	25915	26535
UN74913	Rsa1.0_21742.1	764	1176	1.00E-107	201	202	99 -	1	202	732	933
UN74914	Rsa1.0_02984.1	805	26263	0	412	418	98 +	305	722	19653	20070
UN74915	Rsa1.0_04048.1	284	19394	3.00E-97	180	180	100 -	57	236	1312	1491
UN74916	Rsa1.0_01822.1	607	38784	0	584	597	97 +	2	598	22175	22771
UN74917	Rsa1.0_02471.1	798	31104	5.00E-89	211	224	94 -	3	226	5569	5787

UN74918	Rsa1.0.00020.1	805	283099	0	703	727	96 -	2	726	34400	35126
UN74919	Rsa1.0.00131.1	740	432233	0	506	537	94 -	3	539	289720	290253
UN74920	Rsa1.0.00016.1	673	831256	0	636	675	94 -	3	673	684771	685421
UN74921	Rsa1.0.00360.1	636	91190	1.00E-150	302	309	97 -	326	631	5050	5358
UN74922	Rsa1.0.01180.1	741	51517	1.00E-162	290	290	100 -	4	293	34928	35217
UN74923	Rsa1.0.15036.1	749	2878	0	513	517	99 -	236	749	2362	2878
UN74924	Rsa1.0.01419.1	609	167402	0	509	539	94 -	73	609	132912	133439
UN74925	Rsa1.0.14454.1	761	3372	0	462	481	96 -	280	760	620	1100
UN74926	Rsa1.0.00006.1	643	396176	1.00E-119	253	262	96 -	383	643	261679	261939
UN74927	Rsa1.0.05874.1	765	12351	0	469	471	99 +	281	749	7097	7567
UN74928	Rsa1.0.26922.1	721	873	2.00E-57	126	130	96 +	254	383	178	307
UN74929	Rsa1.0.00200.1	503	162016	1.00E-85	185	193	95 -	177	369	72126	72318
UN74930	Rsa1.0.00096.1	707	198773	2.00E-75	150	152	98 +	248	399	157472	157623
UN74931	Rsa1.0.00029.1	612	272992	0	603	610	98 +	3	612	257525	258133
UN74932	Rsa1.0.00729.1	650	66690	1.00E-177	323	326	99 -	59	384	80	405
UN74933	Rsa1.0.05874.1	378	12351	1.00E-167	353	369	95 -	10	378	8456	8822
UN74934	Rsa1.0.10597.1	565	5790	9.00E-96	265	299	88 -	1	284	4703	4986
UN74935	Rsa1.0.05156.1	395	14648	1.00E-114	233	240	97 -	3	242	11409	11647
UN74936	Rsa1.0.01640.1	792	41822	1.00E-154	286	289	98 -	12	300	38060	38348
UN74937	Rsa1.0.00200.1	191	162016	9.00E-78	168	175	96 +	1	175	77854	78028
UN74938	Rsa1.0.04387.1	690	17625	2.00E-82	156	156	100 +	443	598	12374	12529
UN74939	Rsa1.0.00421.1	547	86365	1.00E-133	324	349	92 +	8	356	75833	76174
UN74940	Rsa1.0.00013.1	525	292129	1.00E-120	259	273	94 -	78	350	281575	281840
UN74941	Rsa1.0.06140.1	703	11646	0	508	530	95 -	175	703	7007	7531
UN74942	Rsa1.0.00724.1	162	66789	2.00E-72	156	162	96 +	1	162	60696	60857
UN74943	Rsa1.0.02382.1	749	31969	0	662	677	97 +	73	749	21272	21946
UN74944	Rsa1.0.00013.1	428	292129	0	423	428	98 +	1	428	110753	111180
UN74945	Rsa1.0.00476.1	237	280966	9.00E-54	158	175	90 +	1	175	159830	160004
UN74946	Rsa1.0.00316.1	654	96264	0	498	541	92 +	117	654	83931	84460
UN74947	Rsa1.0.02477.1	639	31058	0	626	641	97 +	1	639	9186	9823
UN74948	Rsa1.0.00581.1	170	163575	1.00E-67	154	162	95 -	5	166	157969	158130
UN74949	Rsa1.0.00092.1	410	659932	0	405	410	98 -	1	410	354040	354449
UN74950	Rsa1.0.00152.1	364	257730	1.00E-109	282	309	91 +	1	305	203847	204155
UN74951	Rsa1.0.00004.1	573	253996	0	565	573	98 +	2	573	43835	44407
UN74952	Rsa1.0.00102.1	729	135497	0	695	723	96 +	3	711	39889	40611
UN74953	Rsa1.0.00324.1	216	218805	4.00E-65	138	142	97 +	1	142	167644	167785
UN74954	Rsa1.0.00703.1	507	67597	1.00E-141	267	270	98 -	3	271	194	463
UN74955	Rsa1.0.49554.1	127	458	4.00E-48	118	125	94 +	3	127	58	182
UN74956	Rsa1.0.00062.1	149	299291	3.00E-12	40	41	97 +	109	149	263778	263818

UN74957	Rsa1.0_00991.1	394	143101	0	390	394	98 +	2	394	135102	135495
UN74958	Rsa1.0_00030.1	758	250988	2.00E-97	217	228	95 -	11	238	156545	156770
UN74959	Rsa1.0_01092.1	430	54348	1.00E-164	334	348	95 -	1	348	53690	54037
UN74960	Rsa1.0_00972.1	101	57937	3.00E-36	92	97	94 -	1	97	50608	50704
UN74961	Rsa1.0_00931.1	222	59210	3.00E-44	118	127	92 +	9	135	6357	6483
UN74962	Rsa1.0_00792.1	581	64163	0	556	581	95 +	6	581	7600	8180
UN74963	Rsa1.0_00075.1	680	146680	0	664	680	97 -	1	680	28662	29341
UN74964	Rsa1.0_03566.1	634	22050	0	415	424	97 +	1	424	15974	16397
UN74965	Rsa1.0_08221.1	667	7700	0	487	492	98 -	16	507	6129	6619
UN74966	Rsa1.0_01153.1	458	52264	0	446	459	97 -	1	458	49942	50400
UN74967	Rsa1.0_00788.1	278	64237	1.00E-128	267	278	96 -	4	278	2191	2468
UN74968	Rsa1.0_00974.1	729	57893	0	727	729	99 +	1	729	47289	48017
UN74969	Rsa1.0_01221.1	625	50421	0	386	389	99 -	237	625	45050	45438
UN74970	Rsa1.0_02609.1	130	29600	2.00E-53	124	130	95 -	1	130	21194	21323
UN74971	Rsa1.0_00800.1	473	63868	8.00E-59	122	124	98 -	146	269	21908	22031
UN74972	Rsa1.0_01613.1	537	182542	0	452	466	96 -	1	466	162642	163100
UN74973	Rsa1.0_05467.1	691	13649	0	364	375	97 +	317	691	8720	9094
UN74974	Rsa1.0_00595.1	780	341648	1.00E-152	330	348	94 +	1	348	64926	65266
UN74975	Rsa1.0_02909.1	220	26856	5.00E-86	197	209	94 -	7	215	10912	11120
UN74976	Rsa1.0_00190.1	322	318240	3.00E-45	271	329	82 +	1	320	91421	91727
UN74977	Rsa1.0_03912.1	572	135266	1.00E-161	330	343	96 +	2	344	885	1225
UN74978	Rsa1.0_01882.1	149	37697	6.00E-60	141	149	94 +	1	149	30243	30391
UN74979	Rsa1.0_00524.1	286	169613	1.00E-111	259	274	94 +	17	286	129353	129626
UN74980	Rsa1.0_00782.1	522	64468	1.00E-114	249	260	95 +	6	265	37285	37541
UN74981	Rsa1.0_03662.1	428	21492	4.00E-85	181	188	96 +	184	371	11532	11719
UN74982	Rsa1.0_01938.1	429	264018	0	422	429	98 +	1	429	150013	150441
UN74983	Rsa1.0_13106.1	559	5009	0	409	428	95 +	1	428	4342	4769
UN74984	Rsa1.0_01118.1	722	53460	6.00E-82	164	167	98 +	553	719	13629	13795
UN74985	Rsa1.0_00258.1	211	102381	2.00E-82	194	207	93 +	1	207	45408	45614
UN74986	Rsa1.0_20987.1	528	1248	1.00E-118	252	263	95 -	1	262	11	273
UN74987	Rsa1.0_00023.1	332	194764	1.00E-160	319	330	96 -	3	332	52754	53079
UN74988	Rsa1.0_00483.1	707	81102	0	636	672	94 +	4	666	76931	77595
UN74989	Rsa1.0_00063.1	139	156150	1.00E-63	135	139	97 -	1	139	142617	142755
UN74990	Rsa1.0_00417.1	742	395068	0	739	742	99 +	1	742	375996	376737
UN74991	Rsa1.0_00745.1	525	66067	0	521	524	99 -	2	525	37086	37609
UN74992	Rsa1.0_00033.1	344	515811	1.00E-171	334	344	97 +	1	344	8091	8434
UN74993	Rsa1.0_07657.1	415	8896	1.00E-115	210	210	100 -	206	415	7781	7990
UN74994	Rsa1.0_00056.1	705	332604	0	700	704	99 +	2	705	52490	53193
UN74995	Rsa1.0_02266.1	188	33195	7.00E-57	162	176	92 -	14	185	21051	21223

UN74996	Rsa1.0.27736.1	156	841	1.00E-48	128	138	92 +	19	156	282	419
UN74997	Rsa1.0.00666.1	267	69505	1.00E-130	254	260	97 -	8	267	27872	28131
UN74998	Rsa1.0.00903.1	393	60228	1.00E-147	359	389	92 -	3	389	52287	52672
UN74999	Rsa1.0.00308.1	565	96915	0	340	342	99 +	1	342	90096	90437
UN75000	Rsa1.0.01017.1	348	56714	1.00E-90	230	249	92 +	1	249	15991	16228
UN75001	Rsa1.0.12966.1	837	5062	0	834	838	99 +	1	837	779	1616
UN75002	Rsa1.0.01603.1	533	42468	1.00E-82	162	164	98 +	1	164	17008	17171
UN75003	Rsa1.0.03161.1	444	24905	1.00E-148	269	270	99 -	1	270	18209	18478
UN75004	Rsa1.0.01459.1	732	45277	0	376	377	99 +	1	377	1247	1623
UN75005	Rsa1.0.08388.1	241	7436	6.00E-55	167	182	91 +	5	183	4637	4814
UN75006	#	#	#	#	#	#	#	#	#	#	#
UN75007	Rsa1.0.03264.1	207	145959	5.00E-61	144	151	95 -	1	151	130936	131085
UN75008	Rsa1.0.04177.1	489	18646	0	422	447	94 -	1	447	6866	7312
UN75009	Rsa1.0.00141.1	810	121494	1.00E-131	237	237	100 -	1	237	5036	5272
UN75010	Rsa1.0.01587.1	572	42789	0	561	574	97 -	1	571	14739	15311
UN75011	Rsa1.0.00644.1	642	136881	6.00E-82	173	179	96 +	357	535	63450	63628
UN75012	Rsa1.0.02589.1	506	300828	1.00E-144	314	330	95 -	8	335	16342	16670
UN75013	Rsa1.0.01976.1	524	36570	9.00E-65	150	158	94 -	291	448	747	904
UN75014	Rsa1.0.09304.1	606	6469	1.00E-73	156	161	96 +	445	605	4252	4412
UN75015	Rsa1.0.14974.1	159	2919	2.00E-60	133	138	96 -	4	141	2513	2650
UN75016	Rsa1.0.00105.1	211	134138	3.00E-96	202	210	96 +	1	210	122064	122273
UN75017	Rsa1.0.00114.1	378	131330	1.00E-114	265	286	92 -	3	288	22355	22623
UN75018	Rsa1.0.01409.1	578	151595	7.00E-75	261	299	87 -	1	293	117986	118284
UN75019	Rsa1.0.00435.1	773	317579	0	501	501	100 +	273	773	27836	28336
UN75020	Rsa1.0.06726.1	807	10460	1.00E-154	277	277	100 +	448	724	8223	8499
UN75021	Rsa1.0.04065.1	700	19275	0	378	378	100 -	1	378	3173	3550
UN75022	Rsa1.0.00310.1	571	96852	0	456	465	98 -	3	465	71221	71685
UN75023	Rsa1.0.00390.1	546	88681	0	541	549	98 -	1	546	51415	51963
UN75024	Rsa1.0.08048.1	404	137630	1.00E-156	347	367	94 +	1	366	135302	135667
UN75025	Rsa1.0.00182.1	742	142305	0	741	743	99 -	1	742	136128	136870
UN75026	Rsa1.0.09943.1	545	6076	1.00E-103	275	303	90 +	243	545	1701	2003
UN75027	Rsa1.0.02605.1	269	29637	1.00E-102	236	248	95 -	12	258	8473	8717
UN75028	Rsa1.0.00350.1	533	92346	1.00E-120	222	223	99 -	2	224	15064	15286
UN75029	Rsa1.0.00409.1	470	146788	1.00E-109	235	243	96 +	232	470	145741	145982
UN75030	Rsa1.0.02378.1	682	31991	0	407	426	95 +	4	426	14209	14634
UN75031	Rsa1.0.02145.1	411	34628	1.00E-94	185	187	98 +	1	185	11120	11306
UN75032	Rsa1.0.00047.1	497	168582	0	474	489	96 +	3	490	92149	92634
UN75033	Rsa1.0.00131.1	133	432233	8.00E-22	59	61	96 -	57	117	288263	288323
UN75034	Rsa1.0.01938.1	530	264018	1.00E-126	235	237	99 +	294	530	164438	164674

UN75035	Rsa1.0.00741.1	155	66117	6.00E-60	150	159	94 -	1	155	51045	51203
UN75036	Rsa1.0.00119.1	122	467509	7.00E-59	118	119	99 +	1	119	46225	46343
UN75037	Rsa1.0.00001.1	371	363028	1.00E-129	249	253	98 +	116	367	208348	208600
UN75038	Rsa1.0.27044.1	572	868	0	426	440	96 -	1	440	279	714
UN75039	Rsa1.0.02150.1	446	34580	0	422	446	94 -	1	446	27763	28208
UN75040	Rsa1.0.00017.1	659	752458	2.00E-66	147	153	96 -	507	659	29181	29333
UN75041	Rsa1.0.00001.1	118	363028	3.00E-42	102	107	95 +	12	118	242359	242465
UN75042	Rsa1.0.01219.1	664	50527	1.00E-149	498	580	85 -	103	653	22169	22731
UN75043	Rsa1.0.01400.1	550	46560	0	526	529	99 -	2	529	37870	38398
UN75044	Rsa1.0.03606.1	756	21818	1.00E-98	210	219	95 +	320	538	2155	2373
UN75045	#	#	#	#	#	#	#	#	#	#	#
UN75046	Rsa1.0.00307.1	133	199003	3.00E-49	121	127	95 +	1	126	157783	157909
UN75047	Rsa1.0.05590.1	471	13242	0	451	488	92 -	3	471	4159	4643
UN75048	Rsa1.0.00476.1	157	280966	7.00E-35	78	79	98 +	1	79	220859	220937
UN75049	Rsa1.0.00055.1	561	520193	0	541	564	95 +	1	561	385976	386536
UN75050	Rsa1.0.00298.1	760	349131	2.00E-54	209	241	86 +	5	245	158541	158780
UN75051	Rsa1.0.01118.1	307	53460	2.00E-46	179	203	88 +	29	225	12685	12880
UN75052	Rsa1.0.04112.1	679	18989	1.00E-151	314	327	96 +	1	327	4075	4400
UN75053	Rsa1.0.03037.1	601	25825	0	503	516	97 +	4	519	10649	11164
UN75054	Rsa1.0.01144.1	104	52431	1.00E-10	58	66	87 -	1	66	42305	42370
UN75055	Rsa1.0.02179.1	531	34188	0	415	437	94 +	3	435	23606	24037
UN75056	Rsa1.0.09568.1	564	6284	8.00E-84	232	254	91 -	8	259	5564	5812
UN75057	Rsa1.0.00386.1	470	89134	0	468	472	99 +	1	470	53364	53834
UN75058	Rsa1.0.00387.1	722	495407	0	432	434	99 -	289	720	474970	475403
UN75059	Rsa1.0.01146.1	729	163455	1.00E-122	278	295	94 +	2	296	35110	35403
UN75060	Rsa1.0.04835.1	110	15766	3.00E-33	87	92	94 -	2	93	4608	4699
UN75061	Rsa1.0.01867.1	781	37960	1.00E-148	266	266	100 +	433	698	19214	19479
UN75062	Rsa1.0.00064.1	523	240927	1.00E-108	230	239	96 -	1	239	35983	36220
UN75063	Rsa1.0.01396.1	728	151624	0	447	448	99 -	2	449	138955	139402
UN75064	Rsa1.0.00131.1	373	432233	1.00E-148	350	373	93 +	3	373	387654	388019
UN75065	Rsa1.0.02358.1	829	32213	1.00E-43	172	199	86 -	441	639	11707	11905
UN75066	Rsa1.0.01673.1	217	41197	1.00E-103	210	217	96 -	1	217	7545	7761
UN75067	Rsa1.0.02252.1	643	33375	0	620	644	96 +	2	643	9852	10490
UN75068	Rsa1.0.15634.1	201	2512	1.00E-55	140	150	93 -	3	152	1	150
UN75069	Rsa1.0.02625.1	313	139104	1.00E-133	292	308	94 -	6	313	8791	9096
UN75070	#	#	#	#	#	#	#	#	#	#	#
UN75071	Rsa1.0.00184.1	527	218748	1.00E-130	255	259	98 +	1	258	211429	211686
UN75072	Rsa1.0.00391.1	612	183853	1.00E-148	269	270	99 +	1	270	68894	69163
UN75073	Rsa1.0.05600.1	755	13222	0	737	755	97 +	1	755	4545	5284

UN75074	Rsa1.0.00592.1	117	73788	8.00E-37	100	106	94 +	13	117	21226	21331
UN75075	Rsa1.0.02208.1	601	33875	1.00E-117	220	222	99 +	1	222	26296	26517
UN75076	Rsa1.0.00031.1	432	179862	1.00E-144	271	275	98 +	1	275	159928	160202
UN75077	Rsa1.0.03589.1	751	21893	0	735	752	97 +	2	751	532	1279
UN75078	Rsa1.0.00816.1	296	403350	1.00E-154	291	296	98 +	1	296	139279	139574
UN75079	Rsa1.0.02761.1	787	28151	0	471	474	99 -	3	475	11537	12010
UN75080	Rsa1.0.01986.1	828	36489	1.00E-175	343	352	97 +	1	346	2610	2961
UN75081	Rsa1.0.32867.1	678	692	0	573	604	94 +	1	602	91	692
UN75082	Rsa1.0.01151.1	261	52268	2.00E-33	79	81	97 +	3	83	26312	26392
UN75083	Rsa1.0.00294.1	103	144860	7.00E-40	92	95	96 +	1	95	60397	60491
UN75084	Rsa1.0.01567.1	109	43090	8.00E-46	105	109	96 -	1	109	4881	4989
UN75085	Rsa1.0.00066.1	638	152418	0	631	636	99 -	1	636	112082	112717
UN75086	Rsa1.0.02651.1	135	29046	9.00E-71	135	135	100 -	1	135	28762	28896
UN75087	Rsa1.0.00008.1	637	358124	0	619	635	97 -	3	637	63017	63651
UN75088	Rsa1.0.01609.1	401	42280	0	398	401	99 -	1	401	29525	29925
UN75089	Rsa1.0.03122.1	737	25207	3.00E-81	160	162	98 -	285	446	7333	7494
UN75090	Rsa1.0.00163.1	197	116847	3.00E-68	182	198	91 -	2	197	67127	67324
UN75091	Rsa1.0.00008.1	375	358124	2.00E-21	59	61	96 -	1	61	29548	29608
UN75092	Rsa1.0.00145.1	298	261008	1.00E-110	241	253	95 -	7	259	9578	9829
UN75093	Rsa1.0.40498.1	420	554	1.00E-132	269	279	96 -	142	420	276	554
UN75094	Rsa1.0.00492.1	491	80178	0	454	493	92 -	13	491	64059	64550
UN75095	Rsa1.0.00863.1	792	254535	0	688	698	98 -	96	792	127685	128382
UN75096	Rsa1.0.00067.1	253	415055	7.00E-67	135	137	98 -	117	253	301038	301174
UN75097	Rsa1.0.07895.1	636	8344	0	451	477	94 -	5	478	7079	7555
UN75098	Rsa1.0.01105.1	617	53958	1.00E-163	301	304	99 +	314	617	27951	28254
UN75099	Rsa1.0.17740.1	504	1752	1.00E-101	238	256	92 +	1	248	1240	1495
UN75100	Rsa1.0.00346.1	603	93130	1.00E-107	204	206	99 +	193	398	39814	40019
UN75101	Rsa1.0.00772.1	118	64856	1.00E-44	113	119	94 -	1	118	7633	7751
UN75102	Rsa1.0.00145.1	396	261008	0	393	396	99 -	1	396	244499	244894
UN75103	Rsa1.0.00471.1	665	81897	1.00E-162	299	302	99 +	325	626	3503	3804
UN75104	Rsa1.0.04744.1	374	16154	1.00E-160	340	358	94 -	1	358	7259	7616
UN75105	Rsa1.0.00253.1	371	231292	1.00E-116	224	228	98 -	4	231	124168	124395
UN75106	Rsa1.0.00019.1	797	301669	0	322	322	100 +	476	797	149523	149844
UN75107	Rsa1.0.04493.1	742	17137	1.00E-123	235	237	99 -	1	236	4233	4469
UN75108	Rsa1.0.58032.1	403	394	4.00E-88	180	185	97 +	71	255	1	185
UN75109	Rsa1.0.00472.1	531	398134	1.00E-133	266	273	97 -	3	274	273297	273569
UN75110	Rsa1.0.00802.1	213	63846	9.00E-69	197	215	91 -	1	213	17159	17371
UN75111	Rsa1.0.00166.1	636	240912	0	633	635	99 -	2	636	209242	209876
UN75112	Rsa1.0.00528.1	596	164755	0	557	567	98 +	2	568	109455	110021

UN75113	Rsa1.0_00314.1	526	96472	0	409	414	98 -	1	414	37587	38000
UN75114	Rsa1.0_14865.1	529	3002	1.00E-113	226	232	97 +	190	421	2324	2555
UN75115	Rsa1.0_62560.1	755	367	0	330	333	99 -	6	338	1	333
UN75116	Rsa1.0_01117.1	545	53465	1.00E-171	307	308	99 -	1	308	32768	33075
UN75117	Rsa1.0_00642.1	560	201230	0	524	569	92 -	1	560	158385	158946
UN75118	Rsa1.0_03956.1	481	19872	0	469	473	99 -	2	473	14167	14639
UN75119	Rsa1.0_00022.1	700	200461	0	571	583	97 +	14	594	51497	52079
UN75120	Rsa1.0_00132.1	472	124299	1.00E-143	276	282	97 +	188	469	91186	91467
UN75121	Rsa1.0_00414.1	436	202190	1.00E-102	212	220	96 -	1	220	23226	23445
UN75122	Rsa1.0_00896.1	748	60509	0	369	383	96 +	2	382	19935	20317
UN75123	Rsa1.0_04438.1	705	17361	0	704	705	99 -	1	705	14242	14946
UN75124	Rsa1.0_00773.1	713	64839	0	699	713	98 -	1	713	25827	26538
UN75125	Rsa1.0_00017.1	641	752458	0	476	487	97 -	155	641	195537	196022
UN75126	Rsa1.0_00890.1	571	323870	0	570	572	99 -	1	571	184751	185322
UN75127	Rsa1.0_00833.1	114	62621	4.00E-51	105	106	99 -	1	106	32766	32871
UN75128	Rsa1.0_01259.1	367	49754	2.00E-86	174	178	97 -	112	289	34999	35176
UN75129	Rsa1.0_01112.1	613	310601	0	544	574	94 -	1	574	45495	46057
UN75130	Rsa1.0_02350.1	485	32309	0	368	373	98 +	113	485	4484	4856
UN75131	Rsa1.0_01494.1	508	44641	0	486	506	96 -	3	508	5960	6465
UN75132	Rsa1.0_00246.1	489	103541	0	447	466	95 +	5	470	70653	71118
UN75133	Rsa1.0_00179.1	733	393324	1.00E-178	410	440	93 +	1	425	280254	280692
UN75134	Rsa1.0_03940.1	164	19962	3.00E-74	159	164	96 -	1	164	12599	12760
UN75135	Rsa1.0_00018.1	785	410899	0	743	787	94 -	4	785	7400	8185
UN75136	Rsa1.0_19592.1	519	1410	1.00E-161	348	368	94 +	149	516	121	488
UN75137	Rsa1.0_00482.1	799	81162	1.00E-126	241	245	98 +	297	541	473	717
UN75138	Rsa1.0_08655.1	548	7078	1.00E-156	295	299	98 +	1	298	4145	4443
UN75139	Rsa1.0_05739.1	470	12778	0	352	359	98 +	112	470	2153	2511
UN75140	Rsa1.0_10873.1	511	5694	1.00E-156	415	458	90 +	1	432	2548	3002
UN75141	Rsa1.0_11289.1	665	5555	1.00E-114	212	213	99 +	2	214	5343	5555
UN75142	Rsa1.0_01803.1	427	173846	2.00E-99	377	432	87 -	1	427	137485	137909
UN75143	Rsa1.0_00576.1	180	178949	4.00E-58	154	166	92 -	1	166	63792	63956
UN75144	Rsa1.0_06001.1	161	11979	2.00E-81	159	161	98 +	1	161	174	334
UN75145	Rsa1.0_01749.1	685	39822	0	534	589	90 -	88	673	35149	35733
UN75146	Rsa1.0_04095.1	730	19095	1.00E-154	288	292	98 +	332	623	11515	11806
UN75147	Rsa1.0_00306.1	783	146760	0	746	783	95 -	2	783	55536	56309
UN75148	Rsa1.0_02538.1	866	30364	1.00E-165	295	295	100 +	1	295	24068	24362
UN75149	Rsa1.0_37587.1	717	599	0	544	602	90 -	101	683	1	599
UN75150	Rsa1.0_27096.1	627	866	0	378	380	99 -	1	380	335	714
UN75151	Rsa1.0_02785.1	789	27881	2.00E-73	231	261	88 +	320	580	12346	12606

UN75152	Rsa1.0.00440.1	692	84723	0	690	692	99 +	1	692	33039	33730
UN75153	Rsa1.0.01606.1	722	42432	0	391	401	97 +	1	394	16040	16440
UN75154	Rsa1.0.00550.1	178	210790	3.00E-96	178	178	100 +	1	178	429	606
UN75155	Rsa1.0.01905.1	542	37450	0	534	541	98 -	2	542	29097	29636
UN75156	Rsa1.0.00157.1	268	245832	7.00E-98	225	238	94 -	31	268	166252	166484
UN75157	Rsa1.0.00562.1	747	75565	0	454	477	95 -	108	578	13916	14392
UN75158	Rsa1.0.03305.1	776	147552	0	514	524	98 -	253	776	13319	13841
UN75159	Rsa1.0.01242.1	698	50066	0	360	370	97 +	43	412	37103	37472
UN75160	Rsa1.0.04293.1	761	18046	0	602	635	94 -	134	761	14155	14777
UN75161	Rsa1.0.00759.1	246	65465	4.00E-59	164	180	91 +	1	175	61762	61941
UN75162	Rsa1.0.08655.1	550	7078	1.00E-134	289	304	95 +	5	308	4143	4443
UN75163	Rsa1.0.00122.1	734	265937	0	734	734	100 +	1	734	91772	92505
UN75164	Rsa1.0.01503.1	541	44467	1.00E-160	286	286	100 -	1	286	21708	21993
UN75165	Rsa1.0.02910.1	534	26843	1.00E-127	260	270	96 +	1	270	23304	23573
UN75166	Rsa1.0.02982.1	154	26270	4.00E-70	149	154	96 -	1	154	10398	10551
UN75167	Rsa1.0.00427.1	694	189678	0	386	392	98 -	3	391	170424	170815
UN75168	Rsa1.0.03485.1	389	22606	0	383	388	98 +	2	389	18816	19203
UN75169	Rsa1.0.01298.1	298	48999	5.00E-65	135	138	97 -	113	250	8519	8656
UN75170	Rsa1.0.03327.1	749	23707	0	440	457	96 -	293	749	17398	17854
UN75171	Rsa1.0.01458.1	129	175719	4.00E-48	121	129	93 -	1	129	28366	28494
UN75172	Rsa1.0.00090.1	720	273859	0	717	719	99 +	2	720	153057	153775
UN75173	Rsa1.0.01184.1	285	51452	1.00E-128	266	276	96 -	5	280	27486	27760
UN75174	Rsa1.0.03362.1	148	23453	2.00E-50	135	145	93 +	4	148	13733	13876
UN75175	Rsa1.0.00301.1	275	365315	1.00E-135	267	275	97 -	1	275	161949	162223
UN75176	Rsa1.0.00533.1	528	77375	0	517	528	97 +	1	528	54266	54793
UN75177	Rsa1.0.01790.1	294	39248	1.00E-125	279	295	94 +	1	294	17018	17312
UN75178	Rsa1.0.00436.1	751	85008	0	516	550	93 +	1	541	81993	82542
UN75179	Rsa1.0.21659.1	164	1184	2.00E-44	97	99	97 -	1	99	627	725
UN75180	Rsa1.0.16170.1	186	2258	2.00E-75	168	175	96 +	10	183	1294	1468
UN75181	Rsa1.0.44370.1	148	507	6.00E-35	87	91	95 +	8	98	417	507
UN75182	Rsa1.0.00316.1	553	96264	0	543	553	98 +	1	553	2741	3291
UN75183	Rsa1.0.01544.1	515	185602	0	502	511	98 -	1	511	177615	178123
UN75184	Rsa1.0.00277.1	746	100132	0	734	745	98 -	2	746	57982	58726
UN75185	Rsa1.0.05995.1	355	11997	0	352	353	99 +	3	355	9061	9413
UN75186	Rsa1.0.00047.1	199	168582	1.00E-80	188	199	94 -	3	199	120210	120408
UN75187	Rsa1.0.01274.1	276	49419	1.00E-113	258	273	94 -	5	276	37208	37477
UN75188	Rsa1.0.03927.1	353	19997	0	349	353	98 -	1	353	18627	18979
UN75189	Rsa1.0.01175.1	280	51674	1.00E-108	236	246	95 +	36	280	38890	39134
UN75190	Rsa1.0.00376.1	565	90101	0	521	557	93 +	12	565	6342	6883

UN75191	Rsa1.0.05755.1	597	12730	0	591	597	98 +	1	597	3254	3850
UN75192	Rsa1.0.16727.1	722	2052	1.00E-100	194	197	98 -	1	197	150	346
UN75193	Rsa1.0.00151.1	519	119541	1.00E-117	347	393	88 -	4	366	45328	45720
UN75194	Rsa1.0.00145.1	270	261008	1.00E-102	247	265	93 -	1	265	242732	242995
UN75195	Rsa1.0.03560.1	655	22092	1.00E-156	280	280	100 -	1	280	3354	3633
UN75196	Rsa1.0.27763.1	313	840	1.00E-139	295	310	95 +	1	310	171	480
UN75197	Rsa1.0.00018.1	245	410899	9.00E-91	226	243	93 -	7	245	51268	51510
UN75198	Rsa1.0.00638.1	364	71037	0	356	360	98 -	5	364	55	414
UN75199	Rsa1.0.37453.1	288	602	1.00E-130	275	288	95 +	1	288	201	488
UN75200	Rsa1.0.02904.1	144	26883	3.00E-52	132	140	94 -	1	140	6192	6330
UN75201	Rsa1.0.09527.1	611	6311	2.33E-156	298	310	96 +	265	574	5870	6179
UN75202	Rsa1.0.00557.1	286	75865	2.00E-89	201	211	95 -	76	286	69703	69912
UN75203	Rsa1.0.00401.1	246	244410	9.00E-51	102	102	100 +	98	199	174897	174998
UN75204	Rsa1.0.01081.1	776	499226	0	583	605	96 -	1	600	461842	462445
UN75205	Rsa1.0.02252.1	298	33375	1.00E-117	278	298	93 +	1	298	27475	27771
UN75206	Rsa1.0.01081.1	483	499226	1.00E-115	246	257	95 +	49	302	164212	164468
UN75207	Rsa1.0.00336.1	251	445051	6.00E-55	212	247	85 +	27	251	174778	175024
UN75208	Rsa1.0.01250.1	562	49874	1.00E-118	230	235	97 +	205	439	31332	31566
UN75209	Rsa1.0.17069.1	830	1936	0	577	598	96 +	234	830	861	1440
UN75210	Rsa1.0.01543.1	525	43645	1.00E-169	373	396	94 +	3	398	6952	7345
UN75211	Rsa1.0.02494.1	617	132923	0	616	617	99 -	1	617	1343	1959
UN75212	Rsa1.0.06106.1	626	11735	1.00E-121	241	248	97 +	2	249	11223	11470
UN75213	Rsa1.0.00112.1	528	132199	2.00E-38	140	158	88 -	308	465	54009	54165
UN75214	Rsa1.0.00321.1	185	95671	2.00E-85	184	193	95 -	1	185	49761	49953
UN75215	Rsa1.0.00114.1	128	131330	1.00E-26	88	97	90 +	1	97	84514	84610
UN75216	Rsa1.0.08072.1	627	7955	1.00E-143	260	261	99 -	4	264	520	780
UN75217	Rsa1.0.00020.1	179	283099	3.00E-56	166	183	90 +	1	179	34186	34361
UN75218	Rsa1.0.00016.1	168	831256	8.00E-72	137	137	100 +	30	166	684637	684773
UN75219	Rsa1.0.00069.1	259	403561	9.00E-82	199	215	92 +	1	202	148096	148310
UN75220	Rsa1.0.00360.1	313	91190	1.00E-165	310	314	98 +	1	313	3512	3825
UN75221	Rsa1.0.00487.1	190	80674	4.00E-40	135	150	90 +	43	190	64241	64383
UN75222	Rsa1.0.00107.1	155	431659	5.00E-54	143	155	92 +	1	155	82138	82292
UN75223	Rsa1.0.15036.1	486	2878	0	477	485	98 +	2	486	435	919
UN75224	Rsa1.0.00385.1	527	89160	1.00E-122	273	288	94 -	31	313	9411	9698
UN75225	Rsa1.0.01419.1	136	167402	5.00E-23	83	91	91 +	1	90	132911	133001
UN75226	Rsa1.0.03686.1	130	21387	2.00E-40	117	128	91 +	1	128	9188	9315
UN75227	Rsa1.0.00341.1	378	249309	1.00E-174	361	378	95 -	1	378	227421	227798
UN75228	Rsa1.0.02871.1	524	27085	0	506	514	98 +	2	515	22815	23328
UN75229	Rsa1.0.05723.1	731	12817	0	632	643	98 -	2	644	5257	5896

UN75230	Rsa1.0.00029.1	621	272992	0	361	362	99 -	1	362	23298	23659
UN75231	Rsa1.0.00201.1	717	232851	0	686	690	99 -	1	690	102218	102907
UN75232	Rsa1.0.03195.1	588	24673	0	393	412	95 -	1	412	9173	9577
UN75233	Rsa1.0.08838.1	725	6873	0	450	467	96 -	106	572	2943	3408
UN75234	Rsa1.0.00848.1	832	152362	1.00E-122	228	230	99 -	1	230	38270	38499
UN75235	Rsa1.0.00498.1	792	79746	1.00E-171	433	476	90 -	222	681	22579	23054
UN75236	Rsa1.0.02136.1	602	34707	0	382	387	98 +	6	392	9189	9575
UN75237	Rsa1.0.00451.1	666	322533	1.00E-138	252	253	99 +	1	253	21614	21866
UN75238	Rsa1.0.02372.1	699	32053	1.00E-151	304	315	96 -	1	315	24847	25161
UN75239	Rsa1.0.00184.1	556	218748	1.00E-76	152	154	98 +	376	529	211775	211928
UN75240	Rsa1.0.00585.1	542	74164	1.00E-107	215	221	97 +	255	475	44691	44911
UN75241	Rsa1.0.02911.1	606	142461	1.00E-102	221	230	96 -	104	328	139387	139616
UN75242	Rsa1.0.00990.1	230	57445	2.00E-76	160	165	96 +	1	165	41342	41506
UN75243	Rsa1.0.03264.1	413	145959	1.00E-170	389	411	94 -	5	413	143284	143686
UN75244	Rsa1.0.00482.1	278	81162	3.00E-51	130	139	93 +	83	221	80	218
UN75245	Rsa1.0.03976.1	486	19759	1.00E-107	203	205	99 -	270	474	11928	12132
UN75246	Rsa1.0.00417.1	668	395068	1.00E-123	245	252	97 +	416	667	14475	14726
UN75247	Rsa1.0.19740.1	680	1390	0	656	682	96 +	1	680	648	1318
UN75248	Rsa1.0.05800.1	187	141392	9.00E-75	178	188	94 +	1	187	133136	133320
UN75249	Rsa1.0.15687.1	554	2480	1.00E-118	242	250	96 -	1	248	1	250
UN75250	Rsa1.0.00896.1	768	60509	0	611	614	99 -	2	615	17628	18241
UN75251	Rsa1.0.00875.1	506	61371	0	490	506	96 +	1	506	6976	7481
UN75252	Rsa1.0.22274.1	651	1135	1.00E-132	279	291	95 -	3	292	388	678
UN75253	Rsa1.0.04293.1	386	18046	1.00E-127	259	267	97 -	1	267	11123	11388
UN75254	Rsa1.0.07996.1	774	135291	1.00E-132	249	252	98 -	1	252	134562	134813
UN75255	Rsa1.0.01683.1	726	41059	0	718	722	99 -	5	726	24118	24839
UN75256	Rsa1.0.03368.1	833	23382	0	797	832	95 -	2	831	6102	6930
UN75257	Rsa1.0.01195.1	774	147988	0	734	783	93 +	17	774	33184	33960
UN75258	Rsa1.0.02438.1	808	31392	1.00E-162	296	298	99 +	2	299	4328	4625
UN75259	Rsa1.0.54692.1	613	417	4.00E-64	142	147	96 +	285	428	1	147
UN75260	Rsa1.0.00087.1	520	761073	1.00E-180	337	343	98 +	3	345	533424	533766
UN75261	Rsa1.0.00207.1	164	248736	3.00E-71	154	160	96 +	1	160	194552	194711
UN75262	Rsa1.0.00140.1	752	121541	0	744	752	98 +	1	752	65160	65911
UN75263	Rsa1.0.06035.1	145	11874	6.00E-32	92	98	93 +	1	97	8606	8703
UN75264	Rsa1.0.00071.1	553	345714	1.00E-132	270	277	97 +	2	273	39359	39635
UN75265	Rsa1.0.00611.1	476	72410	3.00E-95	255	281	90 -	14	279	1963	2243
UN75266	Rsa1.0.00273.1	761	326186	5.00E-61	129	132	97 +	3	134	313495	313626
UN75267	Rsa1.0.04729.1	193	16201	2.00E-29	72	74	97 +	120	193	12325	12398
UN75268	Rsa1.0.00133.1	134	123768	3.00E-24	121	136	88 -	1	134	9963	10094

UN75269	Rsa1.0.00395.1	197	214466	3.00E-59	184	208	88 +	1	194	4372	4579
UN75270	Rsa1.0.02367.1	128	32106	2.00E-34	77	78	98 -	1	78	27233	27310
UN75271	Rsa1.0.00087.1	418	761073	1.00E-114	398	457	87 +	1	415	361989	362444
UN75272	Rsa1.0.01029.1	392	256254	4.00E-91	182	186	97 +	1	186	24462	24647
UN75273	Rsa1.0.02213.1	426	33824	0	407	423	96 +	2	424	16462	16884
UN75274	Rsa1.0.02185.1	474	34150	0	371	384	96 +	1	384	20652	21034
UN75275	Rsa1.0.01334.1	430	47904	5.00E-38	90	93	96 +	68	160	8684	8776
UN75276	Rsa1.0.00037.1	332	307838	1.00E-107	253	269	94 +	2	265	291598	291864
UN75277	Rsa1.0.02677.1	429	167801	2.00E-96	218	230	94 +	21	249	11916	12139
UN75278	Rsa1.0.00201.1	736	232851	1.00E-103	218	227	96 +	80	306	129786	130008
UN75279	Rsa1.0.07407.1	558	9451	1.00E-163	291	291	100 -	268	558	9161	9451
UN75280	Rsa1.0.00013.1	232	292129	7.00E-36	114	124	91 -	111	232	144183	144305
UN75281	Rsa1.0.02229.1	528	33672	0	413	433	95 -	1	425	22889	23319
UN75282	Rsa1.0.03572.1	590	146346	5.00E-85	216	234	92 -	273	503	138849	139082
UN75283	Rsa1.0.00278.1	500	231896	0	365	373	97 -	1	373	60144	60512
UN75284	Rsa1.0.00351.1	530	413096	0	491	530	92 -	1	530	124412	124940
UN75285	Rsa1.0.03044.1	526	25791	0	374	375	99 +	2	376	7083	7457
UN75286	Rsa1.0.00019.1	311	301669	6.00E-77	189	200	94 -	1	200	182958	183152
UN75287	Rsa1.0.00740.1	399	215972	1.00E-139	253	254	99 -	39	292	54669	54922
UN75288	Rsa1.0.04991.1	197	15215	5.00E-55	175	197	88 -	1	197	10297	10483
UN75289	Rsa1.0.10038.1	528	6029	0	354	358	98 +	172	528	4706	5063
UN75290	Rsa1.0.02269.1	561	33168	1.00E-67	141	143	98 +	271	413	31000	31141
UN75291	Rsa1.0.01081.1	590	499226	0	536	541	99 -	1	541	322593	323133
UN75292	Rsa1.0.00083.1	404	442773	1.00E-131	273	281	97 +	3	282	326317	326594
UN75293	Rsa1.0.05629.1	191	13129	1.00E-89	185	191	96 -	1	191	9084	9274
UN75294	Rsa1.0.02144.1	440	34630	1.00E-154	339	358	94 +	1	354	8795	9152
UN75295	Rsa1.0.05379.1	317	13968	1.00E-161	306	311	98 +	1	310	7972	8282
UN75296	Rsa1.0.02571.1	502	29995	1.00E-180	340	347	97 +	14	360	20382	20728
UN75297	Rsa1.0.09321.1	290	6456	1.00E-158	288	290	99 +	1	290	859	1148
UN75298	Rsa1.0.00027.1	758	283362	1.00E-139	376	417	90 +	1	399	117166	117577
UN75299	Rsa1.0.00042.1	666	171507	1.00E-58	284	337	84 -	276	608	63073	63407
UN75300	Rsa1.0.00690.1	204	140527	6.00E-30	88	95	92 -	6	100	31841	31935
UN75301	Rsa1.0.00130.1	485	125737	3.00E-95	220	233	94 +	5	236	32158	32390
UN75302	Rsa1.0.00588.1	795	73939	0	795	795	100 -	1	795	41705	42499
UN75303	Rsa1.0.02798.1	443	27792	1.00E-119	400	455	87 +	7	443	5322	5771
UN75304	Rsa1.0.00493.1	779	80007	1.00E-126	236	238	99 -	1	238	77685	77922
UN75305	Rsa1.0.26911.1	721	873	1.00E-103	203	207	98 -	283	489	248	454
UN75306	Rsa1.0.07880.1	776	8369	1.00E-161	343	359	95 -	3	361	7333	7683
UN75307	Rsa1.0.55885.1	825	409	1.00E-170	381	407	93 -	418	824	1	407

UN75308	Rsa1.0.00485.1	177	80937	3.00E-74	168	177	94 +	1	177	71099	71275
UN75309	Rsa1.0.01331.1	669	47944	0	549	574	95 -	1	572	21832	22400
UN75310	Rsa1.0.00418.1	157	215377	2.00E-62	148	157	94 -	1	157	4912	5068
UN75311	Rsa1.0.00622.1	215	71822	7.00E-85	201	215	93 -	1	215	11617	11831
UN75312	Rsa1.0.04395.1	404	17570	1.00E-142	295	307	96 +	2	307	9978	10284
UN75313	Rsa1.0.00187.1	523	393093	1.00E-124	253	262	96 +	177	438	46569	46830
UN75314	Rsa1.0.00121.1	225	278029	5.00E-46	177	206	85 +	2	205	43392	43575
UN75315	Rsa1.0.02582.1	565	29889	1.00E-120	248	256	96 -	1	251	3887	4142
UN75316	Rsa1.0.00236.1	871	104771	0	468	470	99 -	1	470	15770	16239
UN75317	Rsa1.0.13353.1	428	4894	0	426	427	99 -	3	428	2455	2881
UN75318	Rsa1.0.10543.1	758	5808	0	503	506	99 -	1	505	4307	4812
UN75319	Rsa1.0.00204.1	327	109056	2.00E-80	189	202	93 -	126	327	68621	68815
UN75320	Rsa1.0.00940.1	579	179946	1.00E-168	318	324	98 -	255	578	175916	176239
UN75321	Rsa1.0.01543.1	281	43645	8.00E-67	147	153	96 +	1	153	455	607
UN75322	Rsa1.0.01453.1	254	45449	4.00E-90	237	257	92 +	1	254	10665	10913
UN75323	Rsa1.0.02358.1	638	32213	1.00E-137	295	309	95 -	330	635	759	1066
UN75324	Rsa1.0.03165.1	322	24866	2.00E-74	209	227	92 +	98	322	2356	2577
UN75325	Rsa1.0.00003.1	611	340054	1.00E-174	340	349	97 -	1	349	4541	4888
UN75326	Rsa1.0.08492.1	539	7277	0	537	539	99 -	1	539	6597	7135
UN75327	Rsa1.0.04123.1	350	18947	1.00E-126	277	293	94 -	58	350	15573	15865
UN75328	Rsa1.0.00881.1	470	61260	2.33E-156	285	292	97 +	146	433	21218	21509
UN75329	Rsa1.0.03828.1	572	20588	0	479	480	99 +	1	480	5902	6381
UN75330	Rsa1.0.00329.1	132	222544	3.00E-52	125	132	94 +	1	132	89548	89679
UN75331	Rsa1.0.02510.1	696	30662	0	681	698	97 +	2	696	850	1547
UN75332	Rsa1.0.01052.1	512	55548	1.00E-159	296	300	98 +	3	302	43547	43846
UN75333	Rsa1.0.05839.1	677	12479	6.00E-88	318	366	86 -	158	522	3987	4347
UN75334	Rsa1.0.02072.1	444	35401	0	432	452	95 -	3	444	7188	7633
UN75335	Rsa1.0.00627.1	531	71566	1.00E-119	220	221	99 -	1	221	23881	24101
UN75336	Rsa1.0.00116.1	580	365886	0	556	589	94 +	1	580	7966	8544
UN75337	Rsa1.0.00278.1	280	231896	1.00E-139	271	278	97 -	1	278	82795	83072
UN75338	Rsa1.0.05947.1	756	12142	0	578	625	92 -	1	613	3191	3805
UN75339	Rsa1.0.00183.1	590	113277	0	585	588	99 +	3	590	15768	16354
UN75340	Rsa1.0.51955.1	554	438	1.00E-140	262	265	98 -	1	265	1	265
UN75341	Rsa1.0.07591.1	632	9060	0	604	634	95 +	1	632	6571	7204
UN75342	Rsa1.0.01177.1	718	51572	1.00E-125	311	338	92 +	18	342	47190	47527
UN75343	Rsa1.0.09343.1	479	6439	1.00E-162	338	353	95 +	1	352	4344	4696
UN75344	Rsa1.0.00136.1	579	122464	0	367	369	99 -	1	369	119347	119715
UN75345	Rsa1.0.05389.1	218	13943	3.00E-90	204	216	94 -	3	218	8879	9094
UN75346	Rsa1.0.00433.1	559	85381	0	438	440	99 -	3	440	19788	20227

UN75347	Rsa1.0_00417.1	511	395068	1.00E-157	310	318	97 +	77	393	296178	296491
UN75348	#	#	#	#	#	#	#	#	#	#	#
UN75349	Rsa1.0_06102.1	156	11740	5.00E-39	108	116	93 -	4	119	454	566
UN75350	Rsa1.0_00646.1	624	70473	1.00E-158	289	291	99 -	334	624	9178	9468
UN75351	Rsa1.0_00069.1	712	403561	7.00E-91	191	198	96 -	515	712	195153	195350
UN75352	Rsa1.0_00984.1	691	57580	1.00E-98	183	183	100 -	509	691	6530	6712
UN75353	Rsa1.0_04039.1	595	19467	0	593	593	100 +	3	595	8317	8909
UN75354	Rsa1.0_04205.1	271	138772	1.00E-125	260	271	95 +	1	271	133931	134201
UN75355	Rsa1.0_00842.1	143	62493	6.00E-66	139	143	97 +	1	143	38968	39110
UN75356	Rsa1.0_02433.1	761	158318	0	535	538	99 -	126	663	30463	31000
UN75357	Rsa1.0_00347.1	402	93048	1.00E-111	239	248	96 +	1	247	77690	77936
UN75358	Rsa1.0_01768.1	154	138463	2.00E-32	74	75	98 -	80	154	104042	104116
UN75359	Rsa1.0_00058.1	519	159921	0	475	511	92 +	18	519	81069	81569
UN75360	Rsa1.0_01578.1	195	42880	3.00E-47	105	108	97 +	17	124	9021	9128
UN75361	Rsa1.0_00679.1	365	68971	1.00E-157	295	300	98 -	1	300	34534	34833
UN75362	Rsa1.0_02395.1	110	31785	1.00E-44	103	107	96 -	1	107	20749	20855
UN75363	Rsa1.0_00749.1	603	65933	2.33E-156	272	275	98 +	327	601	21502	21776
UN75364	Rsa1.0_00115.1	687	131321	0	658	693	94 -	1	687	62424	63112
UN75365	Rsa1.0_01011.1	414	56883	3.00E-42	97	100	97 -	1	100	1108	1207
UN75366	Rsa1.0_00161.1	262	116891	1.00E-105	212	218	97 +	1	218	104465	104682
UN75367	Rsa1.0_01951.1	242	36941	3.00E-78	168	174	96 -	5	175	13558	13731
UN75368	Rsa1.0_09284.1	722	6496	1.00E-173	371	392	94 -	331	722	5819	6210
UN75369	Rsa1.0_01168.1	382	153765	1.00E-144	354	381	92 -	4	382	37394	37770
UN75370	Rsa1.0_13751.1	337	4383	1.00E-152	321	337	95 -	1	337	3026	3362
UN75371	Rsa1.0_00384.1	541	89278	1.00E-91	195	203	96 -	146	348	83652	83854
UN75372	Rsa1.0_03543.1	651	22185	0	618	663	93 +	5	651	5295	5957
UN75373	Rsa1.0_02792.1	628	27829	0	478	510	93 -	1	507	27315	27822
UN75374	Rsa1.0_16505.1	681	2130	0	625	649	96 +	36	681	950	1597
UN75375	Rsa1.0_05139.1	404	14718	1.00E-101	229	243	94 -	1	243	6706	6948
UN75376	Rsa1.0_00552.1	163	206757	1.00E-64	152	161	94 +	1	161	18286	18446
UN75377	Rsa1.0_00879.1	153	61297	5.00E-54	137	147	93 +	4	150	59355	59501
UN75378	Rsa1.0_09029.1	201	6700	1.00E-86	188	196	95 +	2	197	161	353
UN75379	Rsa1.0_01595.1	516	175383	0	506	516	98 +	1	516	9207	9722
UN75380	Rsa1.0_05030.1	320	15088	1.00E-157	302	308	98 +	1	307	10926	11233
UN75381	Rsa1.0_03083.1	556	25520	1.00E-167	383	405	94 +	2	399	12284	12684
UN75382	Rsa1.0_00113.1	453	131574	0	449	451	99 -	3	453	93006	93456
UN75383	Rsa1.0_00636.1	500	71113	1.00E-131	237	237	100 -	243	479	2678	2914
UN75384	Rsa1.0_00020.1	683	283099	0	682	684	99 +	1	683	27197	27880
UN75385	Rsa1.0_00032.1	437	306326	1.00E-105	272	296	91 -	1	295	155775	156063

UN75386	Rsa1.0_73312.1	158	313	4.00E-73	155	159	97 -	1	158	74	232
UN75387	Rsa1.0_00387.1	129	495407	4.00E-48	121	129	93 +	1	129	1324	1452
UN75388	Rsa1.0_01718.1	129	40389	3.00E-49	120	127	94 +	3	129	35495	35621
UN75389	Rsa1.0_01416.1	677	46262	1.00E-175	346	356	97 -	211	565	16597	16952
UN75390	Rsa1.0_04215.1	682	18437	0	601	615	97 -	68	682	10311	10921
UN75391	Rsa1.0_00090.1	216	273859	5.00E-95	206	216	95 +	1	216	171759	171974
UN75392	Rsa1.0_00176.1	829	240984	0	587	611	96 -	216	824	188282	188892
UN75393	Rsa1.0_00067.1	556	415055	0	422	425	99 +	1	425	38330	38754
UN75394	Rsa1.0_14458.1	778	3368	1.00E-125	291	308	94 +	269	571	5	304
UN75395	Rsa1.0_00949.1	495	58549	0	486	495	98 +	1	495	4303	4797
UN75396	Rsa1.0_03609.1	708	21798	0	405	407	99 +	1	407	16885	17291
UN75397	Rsa1.0_01183.1	247	51465	1.00E-108	236	247	95 -	1	247	20371	20616
UN75398	Rsa1.0_00657.1	457	69858	1.00E-157	332	349	95 +	1	349	3208	3556
UN75399	Rsa1.0_05501.1	516	13513	1.00E-174	403	431	93 -	2	430	6241	6668
UN75400	Rsa1.0_02213.1	828	33824	0	806	829	97 -	2	828	15418	16243
UN75401	Rsa1.0_02224.1	479	33758	1.00E-163	291	291	100 +	1	291	29839	30129
UN75402	Rsa1.0_02124.1	424	34780	0	407	424	95 +	2	424	4374	4795
UN75403	Rsa1.0_03001.1	104	26108	1.00E-35	94	100	94 +	1	100	5424	5523
UN75404	Rsa1.0_00363.1	520	90968	0	430	460	93 +	62	520	67294	67752
UN75405	Rsa1.0_01769.1	795	39568	0	532	533	99 +	1	533	25295	25827
UN75406	Rsa1.0_02183.1	432	34170	1.00E-172	398	426	93 -	4	428	21192	21611
UN75407	Rsa1.0_01728.1	633	40239	0	611	631	96 +	4	633	3985	4608
UN75408	Rsa1.0_00195.1	667	251884	0	463	483	95 +	3	473	232109	232588
UN75409	Rsa1.0_01526.1	814	43919	0	409	409	100 +	6	414	506	914
UN75410	Rsa1.0_06694.1	770	10526	0	502	508	98 -	264	766	4230	4737
UN75411	Rsa1.0_12750.1	803	5138	0	795	797	99 +	7	803	4257	5053
UN75412	Rsa1.0_00487.1	654	80674	0	623	624	99 -	3	626	73818	74441
UN75413	Rsa1.0_00028.1	677	293984	0	619	664	93 -	3	665	72297	72935
UN75414	Rsa1.0_00221.1	808	106972	1.00E-125	385	444	86 -	3	426	50983	51397
UN75415	Rsa1.0_00053.1	713	263459	0	620	661	93 +	43	701	191162	191822
UN75416	Rsa1.0_00945.1	695	58714	0	544	564	96 -	124	687	1052	1609
UN75417	Rsa1.0_00294.1	716	144860	0	460	473	97 +	32	504	64093	64563
UN75418	Rsa1.0_04480.1	778	17180	0	409	420	97 +	2	421	358	776
UN75419	Rsa1.0_15165.1	105	2785	2.00E-43	101	105	96 -	1	105	1342	1446
UN75420	Rsa1.0_04238.1	356	18352	1.00E-152	292	297	98 -	61	356	8336	8632
UN75421	Rsa1.0_00228.1	502	105511	0	380	388	97 +	1	388	42267	42654
UN75422	Rsa1.0_01163.1	343	51946	1.00E-110	217	222	97 -	1	222	28824	29045
UN75423	Rsa1.0_02750.1	745	28239	0	695	698	99 +	2	698	388	1085
UN75424	Rsa1.0_01938.1	649	264018	1.00E-127	293	313	93 +	340	649	164438	164750

UN75425	Rsa1.0.05866.1	581	12376	0	443	464	95 -	120	581	5495	5952
UN75426	Rsa1.0.00157.1	521	245832	0	512	522	98 +	1	521	224414	224934
UN75427	Rsa1.0.00195.1	787	251884	0	775	787	98 -	1	787	233916	234700
UN75428	Rsa1.0.04488.1	314	17155	1.00E-158	306	314	97 +	1	314	12073	12386
UN75429	Rsa1.0.04594.1	426	16713	1.00E-162	295	297	99 +	1	297	3824	4120
UN75430	Rsa1.0.00916.1	359	59789	1.00E-161	346	362	95 -	1	359	15641	16001
UN75431	Rsa1.0.00487.1	651	80674	0	644	650	99 +	2	651	72596	73245
UN75432	Rsa1.0.00002.1	288	601661	6.00E-83	165	168	98 -	1	168	51054	51221
UN75433	Rsa1.0.00037.1	603	307838	0	579	606	95 +	2	603	16628	17229
UN75434	Rsa1.0.00053.1	714	263459	0	568	614	92 -	99	712	192679	193292
UN75435	Rsa1.0.00945.1	505	58714	0	434	450	96 +	55	501	1	446
UN75436	Rsa1.0.00715.1	710	67116	0	393	393	100 +	318	710	34364	34756
UN75437	Rsa1.0.25049.1	281	953	1.00E-102	225	236	95 +	1	236	610	844
UN75438	Rsa1.0.00247.1	723	103408	1.00E-129	241	242	99 +	212	452	10284	10525
UN75439	Rsa1.0.00026.1	666	327835	0	460	461	99 +	206	666	43419	43879
UN75440	Rsa1.0.06272.1	310	11351	2.00E-46	113	119	94 -	1	119	3083	3201
UN75441	Rsa1.0.00362.1	643	299497	0	626	643	97 -	1	643	215018	215656
UN75442	Rsa1.0.02963.1	119	26407	4.00E-20	65	70	92 +	21	90	3793	3862
UN75443	Rsa1.0.00947.1	397	58664	1.00E-179	365	381	95 -	1	381	10169	10549
UN75444	Rsa1.0.00020.1	457	283099	1.00E-174	324	329	98 -	129	457	136505	136833
UN75445	Rsa1.0.00301.1	174	365315	3.00E-65	156	166	93 +	14	174	7858	8023
UN75446	Rsa1.0.00490.1	608	186713	0	459	474	96 +	1	474	183687	184156
UN75447	Rsa1.0.00181.1	618	114269	0	603	627	96 -	1	618	15830	16455
UN75448	Rsa1.0.00096.1	457	198773	0	441	448	98 +	2	443	126325	126772
UN75449	Rsa1.0.02642.1	116	29181	1.00E-17	76	86	88 -	28	113	14146	14231
UN75450	Rsa1.0.06521.1	541	10856	0	445	449	99 +	1	448	626	1074
UN75451	Rsa1.0.00373.1	680	90296	1.00E-132	312	332	93 +	35	364	72497	72827
UN75452	Rsa1.0.02276.1	109	33098	1.00E-41	101	106	95 +	1	106	23011	23116
UN75453	Rsa1.0.00701.1	576	67691	9.00E-87	188	195	96 +	381	574	15473	15667
UN75454	Rsa1.0.02493.1	165	30854	1.00E-54	144	156	92 +	10	165	2963	3118
UN75455	Rsa1.0.00073.1	574	240924	1.00E-168	355	373	95 +	3	375	224860	225228
UN75456	Rsa1.0.00030.1	270	250988	6.00E-83	195	208	93 +	6	213	44996	45203
UN75457	Rsa1.0.00321.1	486	95671	0	471	487	96 -	3	486	26257	26740
UN75458	Rsa1.0.00205.1	751	193401	1.00E-147	296	304	97 +	1	303	14412	14714
UN75459	Rsa1.0.00537.1	802	186980	0	772	804	96 -	1	802	165330	166122
UN75460	Rsa1.0.18835.1	348	1525	2.00E-28	144	169	85 -	43	210	1271	1439
UN75461	Rsa1.0.00829.1	678	158305	0	361	372	97 -	181	552	116040	116410
UN75462	Rsa1.0.00289.1	671	98620	1.00E-178	319	320	99 +	3	322	25684	26003
UN75463	Rsa1.0.00748.1	298	65983	4.00E-81	221	239	92 +	6	236	45115	45350

UN75464	Rsa1.0_01019.1	577	56636	0	577	577	100 -	1	577	15030	15606
UN75465	Rsa1.0_00056.1	491	332604	0	469	487	96 +	8	491	14776	15262
UN75466	Rsa1.0_00059.1	556	159650	9.00E-90	326	380	85 -	76	421	106043	106422
UN75467	Rsa1.0_03878.1	403	20305	0	395	400	98 -	1	400	3639	4038
UN75468	Rsa1.0_00009.1	379	232558	1.00E-176	360	376	95 +	1	376	17491	17866
UN75469	Rsa1.0_03334.1	476	23659	1.00E-117	302	330	91 +	132	460	5192	5521
UN75470	Rsa1.0_16164.1	458	2261	2.00E-84	189	199	94 +	258	456	1	199
UN75471	Rsa1.0_03873.1	564	20360	8.00E-87	259	287	90 -	17	301	9247	9517
UN75472	Rsa1.0_00802.1	249	63846	1.00E-113	237	247	95 -	3	249	10022	10268
UN75473	Rsa1.0_17783.1	486	1741	1.00E-17	95	111	85 +	183	293	314	424
UN75474	Rsa1.0_00664.1	606	69573	0	555	555	100 -	2	556	37109	37663
UN75475	Rsa1.0_03986.1	681	19703	0	631	668	94 -	1	668	654	1321
UN75476	Rsa1.0_00796.1	167	63997	4.00E-61	137	143	95 -	1	143	36559	36701
UN75477	Rsa1.0_01154.1	804	52249	0	455	456	99 +	1	456	9031	9486
UN75478	Rsa1.0_03625.1	766	21692	0	528	546	96 -	1	544	14755	15294
UN75479	Rsa1.0_00343.1	348	93570	1.00E-149	335	353	94 -	2	347	74643	74995
UN75480	Rsa1.0_02453.1	491	31271	0	489	491	99 +	1	491	4827	5317
UN75481	Rsa1.0_00146.1	358	149343	1.00E-118	328	361	90 +	1	358	53910	54261
UN75482	Rsa1.0_00182.1	289	142305	6.00E-80	255	291	87 +	2	269	52790	53079
UN75483	Rsa1.0_00646.1	420	70473	8.00E-34	171	201	85 +	51	248	6054	6254
UN75484	Rsa1.0_00465.1	765	82138	0	732	776	94 +	4	761	34222	34997
UN75485	Rsa1.0_00067.1	646	415055	1.00E-177	321	323	99 +	252	574	38763	39085
UN75486	Rsa1.0_00026.1	599	327835	0	546	585	93 +	18	593	175442	176017
UN75487	Rsa1.0_01282.1	503	49304	1.00E-138	381	421	90 -	6	412	26090	26496
UN75488	#	#	#	#	#	#	#	#	#	#	#
UN75489	Rsa1.0_01549.1	582	43543	1.00E-122	428	489	87 +	2	482	10440	10913
UN75490	Rsa1.0_02505.1	162	30703	3.00E-12	119	143	83 +	20	158	9950	10091
UN75491	Rsa1.0_00171.1	772	115622	1.00E-169	314	317	99 +	3	317	103105	103421
UN75492	Rsa1.0_00418.1	437	215377	1.00E-107	242	252	96 -	7	254	45040	45290
UN75493	Rsa1.0_00045.1	331	328694	1.00E-139	308	327	94 +	5	331	261163	261489
UN75494	Rsa1.0_01989.1	643	36439	1.00E-85	170	173	98 -	350	522	22104	22276
UN75495	Rsa1.0_35417.1	141	639	3.00E-49	114	119	95 +	10	128	20	138
UN75496	Rsa1.0_00333.1	742	94500	0	723	756	95 -	1	742	64869	65623
UN75497	Rsa1.0_03579.1	148	21969	3.00E-34	122	138	88 -	1	138	19279	19416
UN75498	Rsa1.0_01563.1	640	170823	1.00E-114	224	229	97 -	261	489	38791	39019
UN75499	Rsa1.0_00179.1	128	393324	2.00E-47	121	128	94 -	1	128	250838	250964
UN75500	Rsa1.0_00588.1	659	73939	0	636	652	97 +	8	659	32660	33307
UN75501	Rsa1.0_00127.1	509	127446	0	361	366	98 +	1	366	46529	46894
UN75502	Rsa1.0_13838.1	335	4236	1.00E-160	327	339	96 -	1	335	3402	3740

UN75503	Rsa1.0.01712.1	719	154210	0	656	705	93 +	20	719	19238	19923
UN75504	Rsa1.0.02905.1	298	26873	1.00E-56	170	194	87 -	120	294	24681	24874
UN75505	Rsa1.0.04281.1	480	18107	0	438	463	94 -	12	473	14748	15206
UN75506	Rsa1.0.00928.1	626	59293	1.00E-144	296	308	96 +	20	323	19273	19580
UN75507	Rsa1.0.00085.1	558	142226	3.00E-68	196	218	89 -	341	558	49867	50072
UN75508	Rsa1.0.01857.1	731	38103	1.00E-110	332	379	87 +	58	398	8791	9166
UN75509	Rsa1.0.00539.1	407	76926	2.00E-77	202	217	93 +	1	216	63682	63894
UN75510	Rsa1.0.01441.1	843	45790	0	574	586	97 +	1	579	44657	45242
UN75511	Rsa1.0.09551.1	606	6294	2.00E-47	133	145	91 -	287	431	6082	6226
UN75512	Rsa1.0.48617.1	267	466	1.00E-142	264	267	98 -	1	267	118	384
UN75513	Rsa1.0.23508.1	795	1043	0	466	504	92 +	128	625	28	525
UN75514	Rsa1.0.00973.1	659	57913	1.00E-121	221	221	100 -	3	223	7144	7364
UN75515	Rsa1.0.05326.1	158	14139	2.00E-60	150	159	94 -	2	158	4013	4168
UN75516	Rsa1.0.00190.1	614	318240	0	595	610	97 +	7	614	294374	294983
UN75517	Rsa1.0.00033.1	675	515811	0	668	675	98 +	1	675	371700	372373
UN75518	Rsa1.0.01779.1	620	39448	0	552	565	97 +	56	620	8695	9259
UN75519	#	#	#	#	#	#	#	#	#	#	#
UN75520	Rsa1.0.00469.1	715	82084	0	446	468	95 -	1	466	3910	4375
UN75521	Rsa1.0.02097.1	656	35036	1.00E-109	278	300	92 -	1	296	19172	19471
UN75522	Rsa1.0.07426.1	729	9413	9.00E-69	190	205	92 +	13	216	1263	1465
UN75523	Rsa1.0.03281.1	169	143349	1.00E-64	158	169	93 +	1	169	2519	2687
UN75524	Rsa1.0.00344.1	731	191774	1.00E-141	273	279	97 +	453	731	129614	129892
UN75525	Rsa1.0.00669.1	197	69419	3.00E-81	183	193	94 +	3	195	15335	15527
UN75526	Rsa1.0.13644.1	275	4580	1.00E-127	260	270	96 -	6	275	3509	3778
UN75527	Rsa1.0.03842.1	456	20503	0	445	455	97 -	1	455	17620	18074
UN75528	Rsa1.0.00876.1	614	61328	0	581	599	96 +	16	614	8247	8844
UN75529	Rsa1.0.00678.1	201	193163	1.00E-100	197	201	98 +	1	201	182474	182674
UN75530	Rsa1.0.00607.1	623	73146	0	566	586	96 +	1	583	48103	48686
UN75531	Rsa1.0.00278.1	587	231896	1.00E-147	321	336	95 +	2	326	179676	180009
UN75532	Rsa1.0.00828.1	534	62744	1.00E-150	299	306	97 -	1	306	59133	59436
UN75533	Rsa1.0.01580.1	127	42852	2.00E-37	112	123	91 -	1	123	31167	31289
UN75534	Rsa1.0.07005.1	633	10044	0	602	631	95 -	10	633	4373	4986
UN75535	Rsa1.0.00678.1	610	193163	0	588	611	96 +	1	610	139136	139737
UN75536	Rsa1.0.00608.1	555	172672	1.00E-157	288	289	99 +	2	290	165836	166123
UN75537	Rsa1.0.00139.1	429	357786	1.00E-102	203	208	97 +	1	208	290739	290946
UN75538	Rsa1.0.00124.1	171	262503	7.00E-60	154	165	93 -	2	166	163340	163503
UN75539	Rsa1.0.00750.1	471	190548	0	384	400	96 -	1	400	18215	18614
UN75540	Rsa1.0.02387.1	517	31890	0	484	520	93 -	1	517	14238	14757
UN75541	Rsa1.0.01624.1	429	42064	1.00E-170	335	346	96 -	1	346	5016	5361

UN75542	Rsa1.0.00416.1	448	86772	1.00E-170	371	391	94 -	5	394	50850	51239
UN75543	Rsa1.0.10026.1	632	6034	1.00E-125	275	289	95 +	2	285	5747	6031
UN75544	Rsa1.0.00339.1	353	222974	1.00E-118	278	295	94 +	61	353	91260	91553
UN75545	Rsa1.0.00002.1	351	601661	1.00E-115	210	210	100 -	1	210	290239	290448
UN75546	Rsa1.0.00078.1	102	175053	4.00E-29	92	101	91 -	2	102	52801	52901
UN75547	Rsa1.0.00138.1	685	247040	0	443	460	96 -	1	457	78332	78791
UN75548	Rsa1.0.00360.1	458	91190	1.00E-167	422	460	91 +	1	446	3513	3961
UN75549	Rsa1.0.00237.1	693	235974	1.00E-175	320	323	99 -	2	324	96581	96903
UN75550	Rsa1.0.20113.1	569	1339	1.00E-127	491	573	85 +	1	569	576	1132
UN75551	Rsa1.0.01091.1	831	54383	0	499	519	96 +	281	793	8775	9290
UN75552	Rsa1.0.01559.1	409	43262	3.00E-55	143	154	92 +	256	409	29743	29896
UN75553	Rsa1.0.00153.1	156	192931	2.00E-26	102	115	88 -	36	150	27177	27288
UN75554	Rsa1.0.01956.1	650	36847	0	482	496	97 +	158	650	21615	22110
UN75555	Rsa1.0.04783.1	834	15995	2.00E-73	153	157	97 -	147	303	4933	5089
UN75556	Rsa1.0.01760.1	805	39730	0	722	764	94 -	3	760	7019	7759
UN75557	Rsa1.0.00835.1	639	278058	1.00E-125	253	259	97 -	3	258	167456	167714
UN75558	Rsa1.0.01560.1	744	43256	0	607	658	92 -	15	670	1497	2148
UN75559	Rsa1.0.09928.1	796	6087	0	522	534	97 +	189	719	527	1060
UN75560	Rsa1.0.00017.1	784	752458	1.00E-137	282	292	96 +	96	386	122748	123039
UN75561	Rsa1.0.01376.1	797	47004	0	356	358	99 -	355	712	22866	23223
UN75562	Rsa1.0.02478.1	194	150183	3.00E-84	189	198	95 -	3	194	139233	139430
UN75563	Rsa1.0.08628.1	731	7109	0	575	620	92 -	9	628	2751	3355
UN75564	Rsa1.0.00785.1	612	64356	0	605	618	97 -	1	612	27153	27766
UN75565	Rsa1.0.00699.1	468	184398	0	372	376	98 -	2	376	177779	178154
UN75566	Rsa1.0.00358.1	371	91293	4.00E-91	212	226	93 +	5	230	9347	9572
UN75567	Rsa1.0.01710.1	429	40586	0	339	342	99 +	1	342	19405	19746
UN75568	Rsa1.0.02505.1	377	30703	1.00E-180	356	368	96 -	4	371	21682	22049
UN75569	Rsa1.0.00467.1	189	156542	9.00E-78	178	187	95 -	1	187	78018	78203
UN75570	Rsa1.0.19036.1	762	1492	1.00E-135	329	353	93 +	3	346	553	902
UN75571	Rsa1.0.00268.1	708	101470	0	528	545	96 +	164	708	268	812
UN75572	Rsa1.0.03418.1	662	147293	0	533	534	99 -	1	534	17570	18103
UN75573	Rsa1.0.00033.1	333	515811	2.00E-98	281	311	90 -	1	311	469201	469505
UN75574	Rsa1.0.00817.1	536	62961	0	509	536	94 +	1	536	23197	23726
UN75575	Rsa1.0.01701.1	153	162121	3.00E-55	139	149	93 -	5	153	7062	7210
UN75576	Rsa1.0.04563.1	768	16837	0	387	401	96 +	368	768	1988	2388
UN75577	Rsa1.0.01545.1	536	43599	1.00E-101	194	196	98 -	278	473	39724	39919
UN75578	Rsa1.0.03971.1	180	19788	2.00E-41	120	130	92 -	4	133	4066	4194
UN75579	Rsa1.0.00089.1	522	406142	0	511	518	98 +	5	522	153728	154244
UN75580	Rsa1.0.00661.1	815	213041	0	807	827	97 +	1	815	16972	17798

UN75581	Rsa1.0_00796.1	434	63997	4.00E-91	229	246	93 +	101	344	58142	58387
UN75582	Rsa1.0_03985.1	860	19704	0	836	862	96 -	3	860	15287	16147
UN75583	Rsa1.0_02336.1	146	32397	1.00E-39	132	147	89 +	1	146	459	605
UN75584	Rsa1.0_00047.1	781	168582	0	495	501	98 +	107	607	56123	56622
UN75585	Rsa1.0_03206.1	200	24614	3.00E-81	186	197	94 -	1	197	3747	3943
UN75586	Rsa1.0_02798.1	562	27792	0	455	469	97 -	1	469	26142	26608
UN75587	Rsa1.0_08105.1	437	7894	0	428	437	97 -	1	437	5230	5666
UN75588	Rsa1.0_03951.1	479	19894	4.00E-73	140	140	100 -	141	280	1966	2105
UN75589	Rsa1.0_00675.1	737	145590	0	602	605	99 +	1	603	67441	68045
UN75590	Rsa1.0_03385.1	129	23280	1.00E-57	125	129	96 -	1	129	18506	18634
UN75591	Rsa1.0_02653.1	381	29030	0	368	381	96 -	1	381	18612	18987
UN75592	Rsa1.0_02710.1	282	28492	1.00E-111	266	281	94 +	1	276	23223	23500
UN75593	Rsa1.0_00461.1	573	82509	0	571	572	99 -	2	573	31887	32458
UN75594	Rsa1.0_00067.1	688	415055	1.00E-117	291	315	92 +	10	319	241243	241557
UN75595	Rsa1.0_02735.1	651	28344	0	630	631	99 +	2	632	11221	11851
UN75596	Rsa1.0_02505.1	646	30703	2.33E-156	269	271	99 -	2	272	17072	17342
UN75597	Rsa1.0_13979.1	369	3964	1.00E-132	287	301	95 -	70	369	2955	3253
UN75598	Rsa1.0_00069.1	211	403561	2.00E-94	202	211	95 -	1	211	48951	49161
UN75599	Rsa1.0_20226.1	584	1325	1.00E-180	319	319	100 +	1	319	876	1194
UN75600	Rsa1.0_01875.1	536	37849	1.00E-122	277	295	93 +	242	536	12381	12675
UN75601	Rsa1.0_00079.1	453	606987	1.00E-125	258	268	96 +	165	432	189557	189824
UN75602	Rsa1.0_00703.1	266	67597	1.00E-104	222	232	95 +	22	253	27535	27766
UN75603	Rsa1.0_02185.1	352	34150	0	351	352	99 +	1	352	20578	20929
UN75604	Rsa1.0_01855.1	189	38204	2.00E-38	90	93	96 -	94	186	11931	12023
UN75605	Rsa1.0_01059.1	456	55410	1.00E-153	356	380	93 -	1	376	23429	23806
UN75606	Rsa1.0_03137.1	157	25105	4.00E-36	104	113	92 -	38	150	16887	16999
UN75607	Rsa1.0_05989.1	735	12014	2.00E-72	145	147	98 +	195	341	9283	9429
UN75608	Rsa1.0_01069.1	123	55113	2.00E-50	113	117	96 +	4	120	17689	17805
UN75609	Rsa1.0_00826.1	383	166736	0	376	385	97 -	1	383	159459	159842
UN75610	Rsa1.0_03706.1	515	21255	1.00E-155	340	361	94 -	1	361	12268	12628
UN75611	Rsa1.0_00050.1	247	237174	5.00E-74	228	257	88 +	1	247	85333	85589
UN75612	Rsa1.0_04651.1	341	16516	8.00E-86	310	355	87 +	1	338	12982	13332
UN75613	Rsa1.0_01803.1	132	173846	2.00E-59	128	132	96 -	1	132	18477	18608
UN75614	Rsa1.0_22499.1	150	1115	1.00E-64	140	145	96 -	1	145	1	145
UN75615	Rsa1.0_00116.1	191	365886	3.00E-34	159	185	85 +	1	184	348964	349146
UN75616	Rsa1.0_00001.1	220	363028	7.00E-82	206	221	93 -	2	220	322382	322601
UN75617	Rsa1.0_09193.1	573	6567	1.00E-162	328	341	96 +	230	570	754	1094
UN75618	Rsa1.0_00157.1	281	245832	1.00E-141	274	281	97 +	1	281	195725	196005
UN75619	Rsa1.0_71155.1	392	322	1.00E-131	284	297	95 -	2	298	1	294

UN75620	Rsa1.0.00453.1	482	83031	0	473	476	99 -	7	482	37389	37864
UN75621	Rsa1.0.00011.1	268	225044	6.00E-55	198	221	89 +	1	217	50380	50594
UN75622	Rsa1.0.00905.1	617	60110	5.00E-67	256	299	85 -	40	317	42621	42912
UN75623	Rsa1.0.08479.1	780	7293	0	715	766	93 +	15	780	4039	4804
UN75624	Rsa1.0.01110.1	158	195852	2.00E-50	116	121	95 +	1	121	178257	178377
UN75625	Rsa1.0.00790.1	449	148693	0	448	451	99 -	1	449	19663	20113
UN75626	Rsa1.0.01902.1	284	37455	1.00E-135	270	279	96 +	3	281	2810	3088
UN75627	Rsa1.0.00170.1	288	179538	1.00E-151	285	289	98 +	2	288	145138	145426
UN75628	Rsa1.0.00377.1	473	90038	1.00E-158	339	357	94 +	9	362	46197	46553
UN75629	Rsa1.0.10890.1	130	5688	2.00E-43	119	129	92 -	1	129	4691	4819
UN75630	Rsa1.0.00294.1	720	144860	0	695	721	96 +	2	720	80023	80740
UN75631	Rsa1.0.54418.1	301	419	4.00E-47	135	148	91 +	51	198	82	229
UN75632	Rsa1.0.03169.1	739	24826	0	446	487	91 -	1	472	10971	11438
UN75633	Rsa1.0.08666.1	656	7063	0	372	374	99 +	1	374	3937	4310
UN75634	Rsa1.0.01801.1	627	39094	0	405	421	96 -	1	417	29263	29681
UN75635	Rsa1.0.00609.1	687	72785	0	623	655	95 -	47	687	69997	70649
UN75636	Rsa1.0.00547.1	620	76521	0	493	520	94 -	19	532	55109	55627
UN75637	Rsa1.0.00307.1	476	199003	1.00E-153	336	359	93 -	66	424	167925	168271
UN75638	Rsa1.0.00045.1	717	328694	0	459	464	98 +	23	486	271504	271967
UN75639	Rsa1.0.01530.1	433	43820	0	420	432	97 -	2	433	11715	12146
UN75640	Rsa1.0.02876.1	457	27062	0	451	459	98 -	2	457	7134	7592
UN75641	Rsa1.0.01271.1	600	49569	1.00E-125	278	295	94 +	21	315	21455	21749
UN75642	Rsa1.0.05749.1	433	12746	1.00E-114	359	407	88 -	30	433	1449	1829
UN75643	Rsa1.0.00300.1	829	97747	0	805	828	97 +	3	829	88802	89625
UN75644	Rsa1.0.00835.1	608	278058	1.00E-156	314	324	96 +	1	324	163058	163380
UN75645	#	#	#	#	#	#	#	#	#	#	#
UN75646	Rsa1.0.00082.1	181	237584	3.00E-53	156	172	90 +	6	177	68510	68678
UN75647	Rsa1.0.32504.1	837	700	0	610	630	96 +	209	837	1	630
UN75648	Rsa1.0.00387.1	614	495407	1.00E-110	248	261	95 +	1	256	389874	390130
UN75649	Rsa1.0.09142.1	529	6611	0	524	529	99 +	1	529	1601	2129
UN75650	Rsa1.0.08133.1	153	7852	2.00E-62	145	153	94 -	1	153	2015	2167
UN75651	Rsa1.0.02561.1	534	30080	1.00E-107	214	218	98 +	1	217	13928	14145
UN75652	Rsa1.0.00090.1	591	273859	1.00E-132	326	353	92 +	8	351	67884	68230
UN75653	Rsa1.0.01588.1	427	42724	0	410	434	94 -	2	427	5118	5549
UN75654	Rsa1.0.00078.1	728	175053	1.00E-164	296	297	99 +	2	298	42609	42905
UN75655	Rsa1.0.12838.1	699	5106	0	678	698	97 +	2	699	4185	4869
UN75656	Rsa1.0.12442.1	761	5225	1.00E-144	262	263	99 +	1	263	1016	1278
UN75657	Rsa1.0.04488.1	343	17155	7.00E-80	170	175	97 -	169	343	61	234
UN75658	Rsa1.0.06034.1	764	11877	0	569	574	99 +	5	578	5682	6255

UN75659	Rsa1.0.01172.1	498	51734	0	497	498	99 -	1	498	45408	45905
UN75660	Rsa1.0.02291.1	786	32959	3.00E-38	121	134	90 -	98	231	9232	9365
UN75661	Rsa1.0.08122.1	132	7873	3.00E-55	128	133	96 +	1	132	4270	4402
UN75662	Rsa1.0.00215.1	559	201775	1.00E-115	260	272	95 -	1	266	172377	172648
UN75663	Rsa1.0.00248.1	347	163568	1.00E-157	335	349	95 -	2	347	37193	37541
UN75664	Rsa1.0.00310.1	317	96852	6.00E-77	198	217	91 -	101	317	3662	3868
UN75665	Rsa1.0.00378.1	766	89892	3.00E-99	211	220	95 -	3	222	65322	65541
UN75666	Rsa1.0.01727.1	557	40243	0	392	398	98 -	1	398	27904	28300
UN75667	Rsa1.0.00727.1	640	66724	1.00E-122	228	230	99 -	386	615	30553	30782
UN75668	Rsa1.0.00384.1	612	89278	0	575	618	93 +	3	612	17392	18005
UN75669	Rsa1.0.09142.1	729	6611	0	382	383	99 -	2	384	2599	2981
UN75670	Rsa1.0.00190.1	214	318240	1.00E-111	212	214	99 +	3	214	201696	201909
UN75671	Rsa1.0.03876.1	823	20334	1.00E-119	221	222	99 +	306	527	6896	7117
UN75672	Rsa1.0.00119.1	188	467509	7.00E-88	182	188	96 +	1	188	383412	383599
UN75673	Rsa1.0.03593.1	740	21869	0	372	372	100 -	2	373	2686	3057
UN75674	Rsa1.0.00139.1	147	357786	2.00E-66	144	148	97 +	1	147	274033	274180
UN75675	Rsa1.0.00107.1	318	431659	1.00E-127	274	287	95 -	1	287	347678	347963
UN75676	Rsa1.0.00604.1	498	146282	1.00E-114	243	253	96 +	247	498	2962	3214
UN75677	Rsa1.0.01883.1	683	37661	0	369	378	97 -	3	379	22302	22676
UN75678	Rsa1.0.02568.1	820	30015	1.00E-119	248	257	96 -	3	258	11243	11499
UN75679	Rsa1.0.00453.1	670	83031	0	665	671	99 +	2	670	37866	38536
UN75680	Rsa1.0.00912.1	453	59923	1.00E-122	293	311	94 +	1	307	36976	37282
UN75681	#	#	#	#	#	#	#	#	#	#	#
UN75682	Rsa1.0.00391.1	535	183853	1.00E-153	329	347	94 -	4	350	86965	87311
UN75683	Rsa1.0.02365.1	115	32118	2.00E-28	97	107	90 -	11	115	6508	6614
UN75684	Rsa1.0.03524.1	341	22297	1.00E-138	290	303	95 +	1	303	18659	18959
UN75685	Rsa1.0.16717.1	825	2055	4.00E-77	156	159	98 -	252	410	1896	2054
UN75686	Rsa1.0.00878.1	384	330303	1.00E-176	372	391	95 +	1	384	9081	9471
UN75687	Rsa1.0.00427.1	678	189678	0	609	614	99 -	3	616	110678	111291
UN75688	Rsa1.0.01638.1	725	41857	1.00E-109	241	253	95 -	471	722	13507	13755
UN75689	Rsa1.0.00045.1	288	328694	1.00E-159	287	288	99 +	1	288	307229	307516
UN75690	Rsa1.0.00016.1	447	831256	1.00E-112	274	298	91 +	156	447	430646	430931
UN75691	Rsa1.0.02750.1	774	28239	0	767	771	99 -	5	771	1304	2074
UN75692	Rsa1.0.03355.1	777	23489	1.00E-131	241	242	99 +	308	549	18255	18496
UN75693	Rsa1.0.00635.1	807	175826	1.00E-141	258	259	99 +	239	497	124757	125015
UN75694	Rsa1.0.00075.1	824	146680	0	792	827	95 -	3	822	2406	3232
UN75695	Rsa1.0.00689.1	736	68305	0	481	498	96 -	240	736	7112	7607
UN75696	Rsa1.0.03600.1	383	21857	5.00E-41	107	114	93 -	259	372	11660	11773
UN75697	Rsa1.0.00888.1	412	60978	1.00E-134	382	421	90 -	1	412	50592	51003

UN75698	Rsa1.0_00301.1	196	365315	4.00E-71	169	180	93 +	1	180	276888	277067
UN75699	#	#	#	#	#	#	#	#	#	#	#
UN75700	Rsa1.0_00182.1	416	142305	2.00E-77	156	159	98 +	167	325	125433	125591
UN75701	Rsa1.0_01626.1	503	41989	0	502	503	99 +	1	503	30874	31376
UN75702	Rsa1.0_23843.1	389	1022	6.00E-87	166	167	99 -	196	362	1	167
UN75703	Rsa1.0_61764.1	847	371	0	364	371	98 -	328	696	1	371
UN75704	Rsa1.0_00157.1	783	245832	1.00E-154	280	281	99 +	1	281	29213	29493
UN75705	Rsa1.0_03401.1	327	23191	1.00E-156	315	326	96 +	1	324	15968	16293
UN75706	Rsa1.0_01181.1	161	51496	6.00E-20	65	70	92 +	92	161	23538	23607
UN75707	Rsa1.0_00802.1	648	63846	0	400	408	98 +	3	410	6069	6476
UN75708	Rsa1.0_00306.1	705	146760	0	486	491	98 -	2	490	92285	92775
UN75709	Rsa1.0_00448.1	803	84048	0	800	804	99 -	3	803	43318	44121
UN75710	Rsa1.0_03625.1	270	21692	1.00E-123	260	271	95 +	1	270	13442	13712
UN75711	Rsa1.0_00412.1	274	86935	1.00E-136	260	262	99 -	3	262	25449	25710
UN75712	Rsa1.0_02757.1	602	28187	0	588	607	96 +	2	602	10174	10779
UN75713	Rsa1.0_02453.1	665	31271	1.00E-161	291	292	99 -	4	295	6162	6453
UN75714	Rsa1.0_00100.1	557	249232	0	443	472	93 -	90	557	221777	222245
UN75715	Rsa1.0_00146.1	658	149343	1.00E-95	193	198	97 -	422	619	54178	54375
UN75716	Rsa1.0_02360.1	527	32203	1.00E-94	230	245	93 -	79	317	24790	25034
UN75717	Rsa1.0_03616.1	535	21756	0	521	539	96 +	2	532	8817	9354
UN75718	Rsa1.0_00465.1	781	82138	0	705	799	88 -	3	781	34918	35715
UN75719	Rsa1.0_02473.1	540	31083	0	537	538	99 -	3	540	26522	27059
UN75720	Rsa1.0_00407.1	695	191544	0	396	401	98 -	295	695	166080	166479
UN75721	Rsa1.0_07933.1	805	8232	1.00E-162	317	326	97 +	3	328	2643	2968
UN75722	Rsa1.0_00621.1	259	71840	1.00E-110	226	232	97 -	3	230	67436	67667
UN75723	Rsa1.0_02961.1	673	26435	2.00E-32	144	168	85 +	316	483	3777	3944
UN75724	Rsa1.0_00160.1	555	346678	0	545	558	97 -	2	555	189827	190384
UN75725	Rsa1.0_04523.1	828	16985	0	690	703	98 -	3	705	5915	6617
UN75726	Rsa1.0_08465.1	633	7307	1.00E-157	372	401	92 +	233	633	1509	1908
UN75727	Rsa1.0_00164.1	781	116642	0	680	700	97 +	89	781	47430	48129
UN75728	Rsa1.0_00149.1	624	305196	0	609	623	97 +	3	624	132664	133286
UN75729	Rsa1.0_18189.1	568	1649	1.00E-156	444	496	89 +	23	510	790	1262
UN75730	Rsa1.0_00577.1	810	174827	1.00E-109	201	201	100 -	86	286	169963	170163
UN75731	Rsa1.0_03070.1	760	25578	0	752	758	99 +	2	755	755	1512
UN75732	Rsa1.0_04757.1	738	16113	0	553	557	99 -	1	556	526	1080
UN75733	Rsa1.0_01349.1	637	47513	0	625	637	98 +	2	637	10923	11559
UN75734	Rsa1.0_02967.1	667	26395	0	412	422	97 -	246	667	1720	2139
UN75735	Rsa1.0_06319.1	776	11243	0	418	436	95 +	297	727	9996	10430
UN75736	Rsa1.0_02207.1	155	33914	6.00E-20	76	83	91 -	74	155	20846	20924

UN75737	Rsa1.0.05047.1	843	15032	0	827	856	96 -	2	843	11099	11954
UN75738	Rsa1.0.02505.1	698	30703	0	424	425	99 -	128	552	10744	11168
UN75739	Rsa1.0.00290.1	701	225096	0	408	410	99 +	291	700	1947	2356
UN75740	Rsa1.0.00019.1	572	301669	1.00E-138	307	322	95 -	257	570	36775	37096
UN75741	Rsa1.0.00026.1	665	327835	1.00E-176	358	371	96 -	278	647	79436	79803
UN75742	Rsa1.0.29723.1	743	774	1.00E-108	301	332	90 -	411	735	171	483
UN75743	Rsa1.0.00038.1	727	314568	0	689	717	96 +	16	724	145519	146235
UN75744	Rsa1.0.08492.1	230	7277	1.00E-125	229	230	99 +	1	230	5857	6086
UN75745	Rsa1.0.00017.1	665	752458	0	448	449	99 +	2	450	72213	72661
UN75746	Rsa1.0.03828.1	585	20588	1.00E-88	180	184	97 -	15	198	7470	7650
UN75747	Rsa1.0.00329.1	699	222544	1.00E-130	239	240	99 -	257	496	90677	90916
UN75748	Rsa1.0.00181.1	688	114269	0	373	386	96 +	3	388	14768	15153
UN75749	Rsa1.0.00976.1	788	57809	4.00E-65	140	143	97 +	3	144	46312	46454
UN75750	Rsa1.0.00006.1	806	396176	0	763	823	92 +	1	806	366607	367429
UN75751	Rsa1.0.35727.1	609	633	1.00E-169	320	325	98 -	285	609	166	489
UN75752	Rsa1.0.00096.1	755	198773	1.00E-169	311	313	99 -	60	372	128006	128316
UN75753	Rsa1.0.00711.1	512	67223	0	507	512	99 -	1	512	53416	53925
UN75754	Rsa1.0.01996.1	652	36327	2.33E-156	283	290	97 -	95	384	28812	29101
UN75755	Rsa1.0.03788.1	693	20873	1.00E-130	253	256	98 +	438	691	14273	14528
UN75756	Rsa1.0.00205.1	664	193401	1.00E-177	333	338	98 -	2	338	86019	86356
UN75757	Rsa1.0.03206.1	782	24614	0	778	782	99 +	3	782	2298	3079
UN75758	Rsa1.0.02798.1	722	27792	1.00E-177	380	400	95 +	1	400	22171	22555
UN75759	Rsa1.0.00015.1	561	561803	1.00E-61	136	141	96 +	1	141	301905	302045
UN75760	Rsa1.0.00116.1	253	365886	1.00E-136	252	253	99 -	2	253	142631	142883
UN75761	Rsa1.0.00678.1	653	193163	0	611	655	93 -	3	653	139713	140353
UN75762	Rsa1.0.14454.1	747	3372	0	507	521	97 -	230	747	580	1100
UN75763	Rsa1.0.01143.1	735	52456	1.00E-109	238	250	95 -	486	735	20240	20486
UN75764	Rsa1.0.00608.1	762	172672	0	511	539	94 -	229	762	166837	167375
UN75765	Rsa1.0.02505.1	748	30703	0	374	376	99 -	329	704	19444	19819
UN75766	Rsa1.0.00949.1	777	58549	0	534	536	99 -	2	537	5091	5626
UN75767	Rsa1.0.13820.1	669	4264	1.00E-138	270	277	97 -	393	669	1106	1382
UN75768	Rsa1.0.03609.1	532	21798	1.00E-134	249	251	99 -	105	355	19650	19900
UN75769	Rsa1.0.00673.1	705	69325	1.00E-143	279	285	97 +	420	702	8697	8981
UN75770	Rsa1.0.00033.1	522	515811	1.00E-155	329	341	96 -	174	511	356574	356913
UN75771	Rsa1.0.06038.1	440	11867	0	369	370	99 +	72	440	8497	8866
UN75772	Rsa1.0.00234.1	754	197060	0	442	470	94 -	3	468	152696	153162
UN75773	Rsa1.0.01624.1	705	42064	1.00E-171	314	317	99 +	389	705	3604	3920
UN75774	Rsa1.0.00339.1	614	222974	0	585	612	95 -	2	610	91514	92125
UN75775	Rsa1.0.03089.1	653	25465	1.00E-117	217	218	99 +	267	484	8405	8622

UN75776	Rsa1.0.00155.1	353	118465	1.00E-59	184	207	88 +	1	205	105477	105673
UN75777	Rsa1.0.00213.1	432	108167	6.00E-84	245	268	91 -	163	428	58566	58823
UN75778	Rsa1.0.00703.1	615	67597	1.00E-102	295	331	89 +	3	316	16503	16828
UN75779	Rsa1.0.00638.1	446	71037	0	405	408	99 +	2	407	38719	39125
UN75780	Rsa1.0.02731.1	771	28375	0	352	355	99 -	24	376	23686	24040
UN75781	Rsa1.0.00012.1	698	222148	0	458	476	96 -	80	555	180470	180945
UN75782	Rsa1.0.12442.1	745	5225	0	440	444	99 -	304	745	2767	3210
UN75783	Rsa1.0.02355.1	628	32260	1.00E-128	282	299	94 -	24	315	8537	8835
UN75784	Rsa1.0.01282.1	509	49304	0	480	505	95 +	4	505	25475	25976
UN75785	Rsa1.0.00896.1	809	60509	0	417	422	98 -	378	796	21186	21607
UN75786	Rsa1.0.05947.1	791	12142	0	401	428	93 +	270	697	2699	3111
UN75787	Rsa1.0.02950.1	786	26506	1.00E-108	200	200	100 -	3	202	21005	21204
UN75788	Rsa1.0.08622.1	463	7122	1.00E-111	203	203	100 +	218	420	1567	1769
UN75789	Rsa1.0.00077.1	324	145005	1.00E-151	295	303	97 -	22	324	69895	70197
UN75790	Rsa1.0.00108.1	672	478491	0	609	636	95 -	43	672	448627	449257
UN75791	Rsa1.0.00183.1	617	113277	0	359	361	99 -	257	617	16344	16704
UN75792	Rsa1.0.22382.1	695	1126	0	681	695	97 +	2	695	409	1103
UN75793	Rsa1.0.00002.1	302	601661	1.00E-105	197	198	99 +	105	302	523639	523836
UN75794	Rsa1.0.02093.1	729	35125	0	503	521	96 +	186	704	20234	20754
UN75795	Rsa1.0.00050.1	637	237174	1.00E-118	215	215	100 -	423	637	190419	190633
UN75796	Rsa1.0.00158.1	645	117999	8.00E-75	243	271	89 -	337	605	7414	7682
UN75797	Rsa1.0.00514.1	779	78421	0	764	774	98 +	2	775	55979	56752
UN75798	Rsa1.0.00770.1	798	64900	1.00E-168	316	320	98 +	3	321	29037	29356
UN75799	Rsa1.0.00804.1	627	63726	0	337	339	99 +	53	391	34617	34955
UN75800	Rsa1.0.00363.1	598	90968	0	479	483	99 -	116	598	14264	14746
UN75801	Rsa1.0.00294.1	634	144860	0	378	389	97 +	3	385	79227	79615
UN75802	Rsa1.0.07591.1	652	9060	1.00E-179	395	418	94 -	239	652	7731	8145
UN75803	Rsa1.0.01177.1	679	51572	1.00E-103	292	326	89 -	3	321	49139	49451
UN75804	Rsa1.0.00119.1	509	467509	1.00E-51	139	151	92 -	264	414	384606	384750
UN75805	Rsa1.0.02019.1	525	35983	1.00E-143	290	298	97 -	207	504	14784	15079
UN75806	Rsa1.0.00136.1	652	122464	0	401	424	94 +	229	652	117572	117992
UN75807	Rsa1.0.01920.1	779	158533	0	467	486	96 +	3	486	125762	126241
UN75808	Rsa1.0.05199.1	649	14529	0	415	436	95 -	12	447	5287	5722
UN75809	Rsa1.0.01366.1	597	47139	0	354	359	98 -	3	361	35120	35478
UN75810	Rsa1.0.00376.1	606	90101	1.00E-144	265	267	99 +	134	400	63666	63932
UN75811	Rsa1.0.00588.1	815	73939	0	416	423	98 -	316	737	33134	33556
UN75812	Rsa1.0.01958.1	671	261128	0	649	687	94 -	2	671	138783	139469
UN75813	Rsa1.0.01526.1	307	43919	2.00E-52	117	121	96 -	179	299	4032	4152
UN75814	Rsa1.0.03123.1	619	25207	0	601	621	96 -	3	619	14217	14837

UN75815	Rsa1.0.46885.1	747	482	0	480	482	99 -	118	598	1	482
UN75816	Rsa1.0.01712.1	707	154210	0	373	380	98 -	333	707	20221	20600
UN75817	Rsa1.0.00187.1	471	393093	0	408	420	97 -	10	429	48682	49101
UN75818	Rsa1.0.00984.1	375	57580	1.00E-158	282	282	100 -	94	375	53162	53443
UN75819	Rsa1.0.05081.1	690	136103	1.00E-173	342	352	97 +	3	353	4223	4574
UN75820	Rsa1.0.00314.1	518	96472	0	498	527	94 +	3	518	10688	11202
UN75821	Rsa1.0.21652.1	540	1184	0	506	535	94 +	1	535	7	524
UN75822	Rsa1.0.00090.1	154	273859	3.00E-46	146	161	90 -	1	154	68881	69040
UN75823	Rsa1.0.00595.1	613	341648	1.00E-180	361	375	96 -	3	377	143205	143573
UN75824	Rsa1.0.07094.1	611	9901	1.00E-159	291	293	99 +	2	294	300	592
UN75825	#	#	#	#	#	#	#	#	#	#	#
UN75826	Rsa1.0.06034.1	618	11877	4.00E-86	182	186	97 -	94	278	4221	4405
UN75827	Rsa1.0.03572.1	583	146346	0	499	507	98 +	3	509	18927	19433
UN75828	Rsa1.0.00384.1	617	89278	0	457	460	99 -	158	617	18002	18461
UN75829	Rsa1.0.01104.1	808	285480	1.00E-118	252	262	96 -	407	667	107189	107447
UN75830	Rsa1.0.10864.1	559	5697	0	392	403	97 -	2	404	900	1302
UN75831	Rsa1.0.00466.1	765	82132	0	561	585	95 -	152	732	56589	57173
UN75832	Rsa1.0.01150.1	539	52331	1.00E-94	195	200	97 -	341	539	243	442
UN75833	Rsa1.0.01743.1	444	39926	0	426	445	95 +	3	443	5138	5581
UN75834	Rsa1.0.00773.1	468	64839	0	465	465	100 -	4	468	63309	63773
UN75835	#	#	#	#	#	#	#	#	#	#	#
UN75836	Rsa1.0.01419.1	636	167402	0	594	662	89 -	7	636	142590	143249
UN75837	Rsa1.0.02165.1	731	34423	1.00E-126	230	230	100 +	180	409	10391	10620
UN75838	Rsa1.0.00010.1	570	294827	1.00E-103	215	222	96 -	93	314	123987	124207
UN75839	Rsa1.0.00722.1	767	66840	8.00E-94	184	187	98 +	476	662	19739	19925
UN75840	Rsa1.0.21688.1	541	1181	0	503	517	97 +	2	518	665	1181
UN75841	Rsa1.0.00324.1	757	218805	0	734	756	97 +	2	752	25768	26519
UN75842	Rsa1.0.01388.1	762	46741	1.00E-129	246	250	98 +	256	505	6365	6614
UN75843	Rsa1.0.00362.1	672	299497	0	517	525	98 +	138	658	214496	215020
UN75844	Rsa1.0.01540.1	545	151890	1.00E-116	218	220	99 -	145	364	145079	145298
UN75845	Rsa1.0.00014.1	156	348985	8.00E-81	155	156	99 +	1	156	20433	20588
UN75846	Rsa1.0.01573.1	557	42964	0	439	477	92 +	93	557	2031	2495
UN75847	Rsa1.0.00490.1	621	186713	0	592	604	98 -	18	621	185723	186326
UN75848	Rsa1.0.00138.1	654	247040	1.00E-163	330	341	96 +	3	341	76600	76937
UN75849	Rsa1.0.00237.1	738	235974	1.00E-95	178	178	100 +	492	669	94506	94683
UN75850	Rsa1.0.00417.1	723	395068	0	569	601	94 -	121	717	387044	387638
UN75851	Rsa1.0.00116.1	152	365886	4.00E-30	70	71	98 +	3	73	35033	35103
UN75852	Rsa1.0.00678.1	611	193163	0	602	610	98 -	3	611	130286	130895
UN75853	Rsa1.0.01343.1	750	47735	3.00E-50	201	234	85 -	514	747	10168	10401

UN75854	Rsa1.0.00333.1	766	94500	1.00E-127	231	231	100 +	1	231	48408	48638
UN75855	Rsa1.0.02355.1	760	32260	0	710	739	96 +	3	741	3335	4073
UN75856	Rsa1.0.00307.1	672	199003	1.00E-177	349	363	96 +	241	603	167921	168271
UN75857	Rsa1.0.00003.1	799	340054	0	703	723	97 -	2	719	1096	1817
UN75858	Rsa1.0.13892.1	652	4141	0	648	651	99 +	2	652	2993	3643
UN75859	Rsa1.0.02923.1	658	26736	1.00E-160	315	323	97 -	4	325	6012	6334
UN75860	Rsa1.0.02117.1	551	34843	0	531	549	96 -	3	551	24759	25295
UN75861	Rsa1.0.00139.1	452	357786	0	435	456	95 -	1	452	670	1120
UN75862	Rsa1.0.13751.1	599	4383	0	460	465	98 +	3	467	1442	1902
UN75863	Rsa1.0.01716.1	750	40483	1.00E-178	362	375	96 +	378	750	17964	18332
UN75864	Rsa1.0.00017.1	831	752458	1.00E-163	301	303	99 -	206	507	686521	686823
UN75865	Rsa1.0.44441.1	702	506	1.00E-175	358	373	95 +	3	375	136	499
UN75866	Rsa1.0.08558.1	589	7198	0	573	589	97 +	3	589	646	1232
UN75867	Rsa1.0.00356.1	429	91521	1.00E-168	346	358	96 -	68	424	42954	43308
UN75868	Rsa1.0.05950.1	747	12130	1.00E-113	223	228	97 -	270	497	2709	2936
UN75869	Rsa1.0.00301.1	615	365315	1.00E-138	271	278	97 -	276	553	67002	67279
UN75870	Rsa1.0.02879.1	599	27047	1.00E-107	204	206	99 -	3	208	26493	26698
UN75871	Rsa1.0.01595.1	735	175383	0	719	741	97 -	2	735	9560	10300
UN75872	Rsa1.0.00137.1	739	122457	1.00E-52	106	106	100 +	77	182	3362	3467
UN75873	Rsa1.0.00205.1	820	193401	1.00E-104	250	261	95 -	526	781	14455	14714
UN75874	Rsa1.0.17347.1	738	1853	1.00E-116	219	220	99 +	520	738	124	343
UN75875	Rsa1.0.00067.1	733	415055	1.00E-161	291	292	99 -	242	533	48393	48684
UN75876	Rsa1.0.52341.1	775	435	0	429	432	99 -	1	432	1	432
UN75877	Rsa1.0.00898.1	191	202772	9.00E-72	137	137	100 +	1	137	185576	185712
UN75878	Rsa1.0.00537.1	738	186980	0	514	548	93 +	200	738	163711	164249
UN75879	Rsa1.0.00045.1	561	328694	0	538	550	97 -	1	548	272485	273034
UN75880	Rsa1.0.00039.1	802	296927	8.00E-88	174	177	98 -	265	441	49432	49608
UN75881	Rsa1.0.00351.1	371	413096	1.00E-139	251	251	100 +	121	371	269242	269492
UN75882	Rsa1.0.11923.1	515	5369	1.00E-128	296	315	93 +	7	321	795	1105
UN75883	Rsa1.0.29621.1	479	777	6.00E-41	98	102	96 -	160	261	188	289
UN75884	Rsa1.0.02876.1	639	27062	1.00E-143	260	261	99 +	322	582	5896	6156
UN75885	Rsa1.0.00984.1	521	57580	0	520	520	100 +	2	521	5674	6193
UN75886	Rsa1.0.00253.1	613	231292	0	605	613	98 +	2	612	22887	23499
UN75887	Rsa1.0.04039.1	671	19467	0	665	670	99 -	3	671	9351	10020
UN75888	Rsa1.0.44865.1	276	502	1.00E-118	236	243	97 +	34	276	2	244
UN75889	Rsa1.0.00023.1	764	194764	0	584	614	95 -	144	736	39457	40070
UN75890	Rsa1.0.02433.1	375	158318	1.00E-121	242	248	97 +	85	331	29525	29772
UN75891	Rsa1.0.03668.1	491	21483	1.00E-157	284	285	99 -	207	491	12532	12816
UN75892	Rsa1.0.01578.1	717	42880	1.00E-76	153	154	99 -	338	490	9224	9377

UN75893	Rsa1.0_04140.1	457	18879	1.00E-162	296	298	99 +	154	451	3855	4152
UN75894	Rsa1.0_01088.1	145	54416	6.00E-72	143	145	98 -	1	145	35213	35357
UN75895	Rsa1.0_03944.1	286	19926	4.00E-56	141	150	94 -	2	151	10358	10505
UN75896	Rsa1.0_02653.1	670	29030	0	467	469	99 +	69	537	16741	17209
UN75897	Rsa1.0_02710.1	702	28492	1.00E-163	350	366	95 -	1	362	25405	25764
UN75898	Rsa1.0_00083.1	236	442773	9.00E-91	220	237	92 -	2	229	127727	127962
UN75899	Rsa1.0_00112.1	432	132199	1.00E-26	170	202	84 +	234	428	118993	119188
UN75900	Rsa1.0_00461.1	735	82509	1.00E-123	267	279	95 +	3	281	30451	30726
UN75901	Rsa1.0_02757.1	428	28187	0	425	428	99 +	1	428	3597	4024
UN75902	Rsa1.0_00015.1	597	561803	0	494	506	97 -	3	505	259145	259650
UN75903	Rsa1.0_00734.1	591	66508	1.00E-125	376	420	89 +	2	413	38106	38524
UN75904	Rsa1.0_00647.1	809	70440	3.00E-22	64	67	95 -	739	805	47757	47823
UN75905	Rsa1.0_02292.1	597	32955	1.00E-143	364	392	92 -	169	550	31775	32164
UN75906	Rsa1.0_00250.1	816	273771	0	403	410	98 +	3	411	31238	31647
UN75907	Rsa1.0_00721.1	766	66918	1.00E-131	241	242	99 +	292	533	56071	56312
UN75908	Rsa1.0_00274.1	792	210119	0	536	537	99 +	3	539	44408	44944
UN75909	Rsa1.0_02061.1	792	35487	1.00E-140	261	264	98 +	261	524	10892	11155
UN75910	Rsa1.0_00087.1	642	761073	0	343	350	98 +	290	639	321638	321987
UN75911	Rsa1.0_02945.1	784	26548	2.00E-76	149	150	99 -	453	602	17599	17748
UN75912	Rsa1.0_02927.1	814	26698	1.00E-55	288	347	82 -	12	358	6641	6987
UN75913	Rsa1.0_03297.1	660	23969	1.00E-160	350	369	94 +	256	624	21026	21391
UN75914	Rsa1.0_03137.1	784	25105	1.00E-108	212	216	98 +	3	218	12771	12986
UN75915	Rsa1.0_01196.1	698	51097	1.00E-112	213	214	99 -	319	531	27921	28134
UN75916	Rsa1.0_00502.1	819	204180	1.00E-142	257	257	100 -	3	259	10567	10823
UN75917	Rsa1.0_01451.1	675	45459	1.00E-175	329	332	99 +	5	334	45048	45379
UN75918	Rsa1.0_00005.1	670	353093	3.00E-37	83	84	98 +	359	442	273048	273131
UN75919	Rsa1.0_00110.1	737	132719	0	686	705	97 +	1	705	96970	97674
UN75920	Rsa1.0_14833.1	819	3034	1.00E-108	236	248	95 -	277	524	5	252
UN75921	Rsa1.0_01799.1	770	39127	0	745	782	95 -	4	766	20850	21624
UN75922	Rsa1.0_06438.1	643	11017	0	354	356	99 +	147	502	1531	1886
UN75923	Rsa1.0_00112.1	817	132199	0	758	787	96 +	38	817	98396	99182
UN75924	Rsa1.0_06312.1	501	11253	1.00E-142	346	372	93 +	135	501	1	370
UN75925	Rsa1.0_00017.1	762	752458	0	389	393	98 +	373	762	187753	188145
UN75926	Rsa1.0_00826.1	240	166736	3.00E-84	167	170	98 +	3	172	157381	157550
UN75927	Rsa1.0_00894.1	546	269700	0	521	538	96 +	3	540	125202	125738
UN75928	Rsa1.0_03022.1	146	25968	9.00E-62	143	148	96 +	1	146	2096	2243
UN75929	Rsa1.0_01414.1	550	149508	0	530	551	96 +	3	550	143143	143693
UN75930	Rsa1.0_00181.1	608	114269	1.00E-144	267	268	99 +	3	269	73133	73400
UN75931	Rsa1.0_01414.1	746	149508	0	386	398	96 -	338	733	18747	19144

UN75932	Rsa1.0.03706.1	752	21255	1.00E-143	276	281	98 +	474	752	12268	12548
UN75933	Rsa1.0.00050.1	779	237174	0	335	336	99 -	3	338	87011	87346
UN75934	Rsa1.0.00207.1	303	248736	4.00E-81	162	165	98 -	139	303	32525	32689
UN75935	Rsa1.0.03561.1	367	22089	0	366	366	100 +	2	367	6679	7044
UN75936	Rsa1.0.01155.1	520	52182	0	517	518	99 -	3	520	16333	16850
UN75937	Rsa1.0.00635.1	622	175826	1.00E-172	307	307	100 -	2	308	126720	127026
UN75938	Rsa1.0.00075.1	628	146680	0	392	407	96 +	222	628	1894	2300
UN75939	Rsa1.0.00182.1	630	142305	0	413	415	99 +	2	414	117275	117689
UN75940	Rsa1.0.47560.1	561	475	0	362	369	98 -	90	458	107	475
UN75941	Rsa1.0.03001.1	607	26108	0	443	471	94 -	152	607	6011	6480
UN75942	Rsa1.0.02691.1	654	28628	0	624	659	94 +	1	654	8111	8767
UN75943	Rsa1.0.01218.1	686	50536	0	646	682	94 -	3	683	20200	20870
UN75944	Rsa1.0.01471.1	601	45101	0	578	600	96 -	1	600	19770	20369
UN75945	Rsa1.0.01351.1	604	47498	0	446	449	99 -	3	450	34328	34776
UN75946	Rsa1.0.00538.1	653	77149	1.00E-114	212	213	99 +	320	532	53955	54167
UN75947	Rsa1.0.01110.1	191	195852	4.00E-89	181	186	97 -	2	187	17517	17702
UN75948	Rsa1.0.01000.1	666	57140	0	606	659	91 -	18	666	28517	29171
UN75949	Rsa1.0.03138.1	675	25092	0	375	375	100 +	301	675	7786	8160
UN75950	Rsa1.0.00082.1	522	237584	1.00E-136	286	296	96 -	228	522	42249	42541
UN75951	Rsa1.0.00001.1	785	363028	0	380	392	96 +	395	785	114402	114793
UN75952	Rsa1.0.00020.1	695	283099	0	662	694	95 +	3	695	197113	197796
UN75953	Rsa1.0.01728.1	649	40239	0	576	617	93 -	31	643	4647	5262
UN75954	Rsa1.0.00006.1	608	396176	9.00E-90	192	200	96 +	168	367	312060	312259
UN75955	Rsa1.0.13693.1	381	4469	0	369	375	98 +	2	375	2993	3367
UN75956	Rsa1.0.05311.1	521	14181	0	411	414	99 +	108	521	6590	7002
UN75957	Rsa1.0.14512.1	614	3316	0	513	528	97 -	74	601	2734	3261
UN75958	Rsa1.0.00090.1	667	273859	0	347	348	99 -	320	667	163762	164109
UN75959	Rsa1.0.00111.1	536	390088	2.00E-90	172	173	99 -	73	245	379950	380122
UN75960	Rsa1.0.00333.1	118	94500	8.00E-34	79	81	97 +	27	107	67553	67633
UN75961	Rsa1.0.03681.1	588	21405	0	440	447	98 -	142	588	944	1387
UN75962	Rsa1.0.03259.1	784	24290	0	686	727	94 +	43	762	10286	10995
UN75963	Rsa1.0.00071.1	524	345714	2.00E-90	175	177	98 -	132	308	312546	312722
UN75964	Rsa1.0.04395.1	562	17570	0	451	453	99 +	110	562	4828	5280
UN75965	#	#	#	#	#	#	#	#	#	#	#
UN75966	Rsa1.0.00111.1	789	390088	1.00E-114	212	213	99 -	3	215	79493	79705
UN75967	Rsa1.0.06521.1	816	10856	0	463	463	100 -	2	464	1117	1579
UN75968	Rsa1.0.00248.1	778	163568	0	765	795	96 +	5	778	35997	36788
UN75969	Rsa1.0.00037.1	713	307838	1.00E-159	321	332	96 +	378	708	169463	169794
UN75970	Rsa1.0.00121.1	757	278029	0	411	412	99 -	146	557	241233	241644

UN75971	Rsa1.0.00681.1	614	68779	1.00E-154	288	292	98 -	267	558	44501	44792
UN75972	Rsa1.0.04819.1	643	140505	3.00E-71	143	145	98 +	100	244	4285	4429
UN75973	Rsa1.0.08649.1	690	7084	0	410	427	96 -	3	420	3951	4377
UN75974	Rsa1.0.02702.1	707	28572	0	682	714	95 +	2	700	4617	5325
UN75975	Rsa1.0.03743.1	789	21062	0	371	383	96 -	3	377	19196	19578
UN75976	Rsa1.0.04482.1	763	17175	0	742	754	98 +	1	748	5913	6666
UN75977	Rsa1.0.03280.1	723	145083	1.00E-102	189	189	100 -	255	443	142113	142301
UN75978	Rsa1.0.00025.1	200	277312	7.00E-91	194	202	96 -	3	200	161007	161208
UN75979	Rsa1.0.14146.1	790	3737	1.00E-174	318	321	99 -	180	500	51	371
UN75980	Rsa1.0.00701.1	772	67691	0	760	775	98 -	2	772	16939	17713
UN75981	Rsa1.0.00546.1	701	76523	1.00E-134	245	246	99 +	448	693	39471	39716
UN75982	Rsa1.0.02365.1	446	32118	0	444	446	99 +	3	446	6266	6711
UN75983	Rsa1.0.05262.1	769	14334	0	512	522	98 -	2	523	12878	13390
UN75984	Rsa1.0.02833.1	694	27507	1.00E-128	238	240	99 +	2	241	3319	3558
UN75985	Rsa1.0.01313.1	772	48387	3.00E-84	203	215	94 +	549	761	16151	16365
UN75986	Rsa1.0.05117.1	798	14801	0	527	538	97 -	3	540	13785	14322
UN75987	Rsa1.0.00006.1	726	396176	1.00E-153	293	298	98 +	68	363	92561	92858
UN75988	Rsa1.0.06042.1	636	11860	7.00E-66	134	136	98 -	104	239	11279	11414
UN75989	Rsa1.0.08142.1	686	7836	1.00E-27	321	404	79 +	212	614	2880	3282
UN75990	Rsa1.0.00888.1	613	60978	0	585	613	95 +	2	613	49094	49703
UN75991	#	#	#	#	#	#	#	#	#	#	#
UN75992	Rsa1.0.00136.1	351	122464	1.00E-93	174	174	100 -	3	176	111456	111629
UN75993	Rsa1.0.02870.1	585	27102	2.00E-96	203	211	96 +	125	335	11864	12074
UN75994	Rsa1.0.00161.1	700	116891	1.00E-166	299	300	99 -	1	300	106826	107125
UN75995	Rsa1.0.04819.1	807	140505	0	761	806	94 -	3	807	12082	12878
UN75996	Rsa1.0.03543.1	483	22185	0	455	481	94 -	1	481	5937	6416
UN75997	Rsa1.0.00448.1	639	84048	1.00E-55	230	266	86 +	146	408	69404	69663
UN75998	Rsa1.0.00011.1	494	225044	1.00E-177	390	413	94 -	2	413	223944	224348
UN75999	Rsa1.0.00002.1	654	601661	1.00E-134	257	261	98 +	201	461	229907	230164
UN76000	Rsa1.0.00570.1	696	75002	1.00E-178	320	321	99 -	376	696	35559	35879
UN76001	#	#	#	#	#	#	#	#	#	#	#
UN76002	Rsa1.0.00284.1	606	323267	1.00E-151	322	334	96 -	275	606	131930	132260
UN76003	Rsa1.0.21467.1	598	1200	0	384	393	97 -	202	594	271	663
UN76004	Rsa1.0.01960.1	683	36766	0	388	400	97 +	3	392	25782	26181
UN76005	Rsa1.0.00157.1	529	245832	0	353	353	100 -	1	353	33074	33426
UN76006	Rsa1.0.01976.1	508	36570	0	388	388	100 -	121	508	34836	35223
UN76007	Rsa1.0.00713.1	648	158017	0	637	643	99 -	3	644	24917	25559
UN76008	Rsa1.0.00552.1	573	206757	8.00E-44	94	95	98 -	379	473	18717	18811
UN76009	Rsa1.0.10304.1	722	5896	1.00E-95	178	178	100 -	3	180	4940	5117

UN76010	Rsa1.0_04480.1	627	17180	6.00E-82	168	171	98 -	10	179	2548	2718
UN76011	Rsa1.0_04104.1	586	19043	0	357	359	99 -	230	586	1376	1734
UN76012	Rsa1.0_00540.1	614	76895	0	603	614	98 +	3	614	69199	69810
UN76013	Rsa1.0_00100.1	557	249232	0	520	575	90 -	1	557	181460	182022
UN76014	Rsa1.0_04238.1	515	18352	0	464	467	99 +	49	515	7745	8211
UN76015	Rsa1.0_00328.1	630	224661	0	562	573	98 -	4	576	213913	214485
UN76016	Rsa1.0_00191.1	748	316976	7.00E-91	201	210	95 -	32	241	51282	51490
UN76017	Rsa1.0_00104.1	261	368722	6.00E-49	117	123	95 +	4	126	171796	171918
UN76018	Rsa1.0_00230.1	608	105389	7.00E-29	164	194	84 +	58	251	15946	16137
UN76019	Rsa1.0_00944.1	300	58733	1.00E-116	215	216	99 -	2	217	5223	5438
UN76020	Rsa1.0_00006.1	440	396176	0	436	439	99 -	2	440	332024	332461
UN76021	Rsa1.0_01549.1	467	43543	0	467	469	99 -	1	467	11322	11790
UN76022	Rsa1.0_00897.1	402	60498	1.00E-168	372	396	93 +	7	402	42637	43032
UN76023	Rsa1.0_00002.1	574	601661	1.00E-107	198	198	100 +	165	362	267751	267948
UN76024	Rsa1.0_00789.1	421	64233	1.00E-164	395	425	92 -	3	421	13137	13560
UN76025	Rsa1.0_00829.1	813	158305	1.00E-163	343	359	95 -	2	359	113403	113761
UN76026	Rsa1.0_00539.1	477	76926	0	459	466	98 -	2	467	65929	66394
UN76027	Rsa1.0_02419.1	509	31583	0	346	347	99 -	3	349	863	1209
UN76028	Rsa1.0_02648.1	649	29073	1.00E-142	256	256	100 -	394	649	25970	26225
UN76029	Rsa1.0_06520.1	628	10857	0	343	344	99 -	3	345	5927	6270
UN76030	Rsa1.0_00807.1	840	63607	8.00E-88	180	185	97 -	460	644	18359	18543
UN76031	Rsa1.0_02259.1	539	33299	0	331	333	99 -	207	539	13723	14055
UN76032	Rsa1.0_22097.1	722	1150	0	445	445	100 -	38	482	706	1150
UN76033	Rsa1.0_00577.1	653	174827	0	331	332	99 -	323	653	126803	127134
UN76034	#	#	#	#	#	#	#	#	#	#	#
UN76035	Rsa1.0_00469.1	557	82084	0	536	541	99 +	1	541	2246	2784
UN76036	Rsa1.0_00713.1	748	158017	1.00E-170	312	315	99 +	21	335	19367	19681
UN76037	Rsa1.0_00056.1	634	332604	0	617	634	97 -	1	634	15132	15764
UN76038	Rsa1.0_05590.1	548	13242	1.00E-107	274	298	91 -	258	548	12218	12511
UN76039	Rsa1.0_14575.1	620	3251	1.00E-127	348	387	89 +	206	589	802	1176
UN76040	Rsa1.0_00162.1	724	239935	0	384	385	99 +	333	717	12323	12707
UN76041	Rsa1.0_00033.1	798	515811	0	654	681	96 +	72	749	389250	389927
UN76042	Rsa1.0_02163.1	820	34427	0	377	385	97 +	8	392	26545	26929
UN76043	Rsa1.0_00876.1	649	61328	0	472	489	96 -	164	649	8844	9332
UN76044	Rsa1.0_00631.1	480	71277	1.00E-113	214	216	99 +	141	356	47587	47802
UN76045	#	#	#	#	#	#	#	#	#	#	#
UN76046	Rsa1.0_00035.1	778	176449	1.00E-113	230	239	96 +	13	242	94196	94434
UN76047	#	#	#	#	#	#	#	#	#	#	#
UN76048	Rsa1.0_00116.1	735	365886	2.00E-26	95	106	89 -	600	705	349522	349627

UN76049	Rsa1.0_00281.1	724	99908	1.00E-107	203	205	99 +	76	280	2637	2841
UN76050	Rsa1.0_01875.1	810	37849	1.00E-128	326	350	93 -	459	800	12495	12844
UN76051	Rsa1.0_05077.1	754	14913	0	752	757	99 -	1	754	10889	11645
UN76052	Rsa1.0_00480.1	719	81325	1.00E-149	296	304	97 +	3	306	3549	3851
UN76053	Rsa1.0_00191.1	713	316976	0	365	369	98 -	324	692	41753	42121
UN76054	Rsa1.0_00205.1	748	193401	1.00E-135	286	292	97 -	455	740	58048	58339
UN76055	Rsa1.0_00223.1	672	106231	1.00E-176	366	381	96 +	294	672	75607	75987
UN76056	Rsa1.0_00326.1	629	171955	1.00E-119	218	218	100 -	3	220	20625	20842
UN76057	Rsa1.0_00703.1	820	67597	1.00E-144	296	308	96 -	194	501	28351	28658
UN76058	Rsa1.0_00479.1	788	81377	0	395	399	98 -	1	399	57763	58161
UN76059	Rsa1.0_09601.1	684	6259	1.00E-137	293	308	95 -	81	388	5948	6255
UN76060	Rsa1.0_02185.1	751	34150	0	521	523	99 -	202	724	21129	21651
UN76061	Rsa1.0_01855.1	757	38204	1.00E-125	267	280	95 +	14	293	9032	9311
UN76062	Rsa1.0_07814.1	550	8487	3.00E-37	104	112	92 -	297	408	743	854
UN76063	Rsa1.0_05544.1	803	13381	1.00E-103	211	218	96 +	366	583	594	811
UN76064	Rsa1.0_02977.1	494	26313	1.00E-179	391	409	95 -	91	494	13250	13658
UN76065	Rsa1.0_04161.1	604	18788	1.00E-147	273	276	98 +	145	420	9629	9904
UN76066	Rsa1.0_01453.1	751	45449	1.00E-140	275	283	97 -	433	715	11450	11726
UN76067	Rsa1.0_00017.1	733	752458	0	458	459	99 -	271	728	236145	236603
UN76068	Rsa1.0_00055.1	760	520193	1.00E-130	272	284	95 +	333	616	167999	168282
UN76069	Rsa1.0_02254.1	484	33344	5.00E-94	205	214	95 +	196	407	4755	4968
UN76070	Rsa1.0_00590.1	744	73835	4.00E-71	150	153	98 -	163	314	27001	27153
UN76071	Rsa1.0_01826.1	657	38700	1.00E-158	304	311	97 +	341	651	12694	13004
UN76072	Rsa1.0_00009.1	198	232558	1.00E-107	197	197	100 -	2	198	31174	31370
UN76073	Rsa1.0_00997.1	548	57190	1.00E-116	240	249	96 +	26	274	50836	51084
UN76074	Rsa1.0_00253.1	517	231292	0	421	444	94 +	3	446	132010	132450
UN76075	Rsa1.0_09284.1	671	6496	0	571	597	95 +	61	654	5280	5864
UN76076	Rsa1.0_01168.1	717	153765	0	563	575	97 +	133	704	34054	34628
UN76077	Rsa1.0_13767.1	392	4361	1.00E-153	371	407	91 -	4	391	541	940
UN76078	Rsa1.0_00886.1	568	167350	0	372	388	95 -	181	568	13315	13702
UN76079	Rsa1.0_01544.1	468	185602	0	466	467	99 +	2	468	184485	184951
UN76080	Rsa1.0_00075.1	651	146680	0	619	650	95 -	2	651	128010	128659
UN76081	Rsa1.0_01311.1	638	48456	0	635	639	99 -	3	638	40130	40768
UN76082	Rsa1.0_00317.1	547	218290	1.00E-147	287	292	98 +	256	547	36786	37074
UN76083	Rsa1.0_00069.1	764	403561	1.00E-125	234	236	99 -	1	236	186912	187147
UN76084	Rsa1.0_00706.1	635	291570	0	621	634	97 -	2	635	23326	23959
UN76085	Rsa1.0_01366.1	578	47139	1.00E-168	300	300	100 -	279	578	34208	34507
UN76086	Rsa1.0_63588.1	669	361	4.00E-49	100	100	100 +	271	370	215	314
UN76087	Rsa1.0_03197.1	641	24643	0	637	642	99 +	1	641	10675	11316

UN76088	Rsa1.0.00078.1	783	175053	1.00E-111	211	213	99 +	1	213	72525	72737
UN76089	Rsa1.0.01484.1	460	44806	1.00E-125	280	297	94 +	14	306	20898	21185
UN76090	Rsa1.0.01023.1	524	56571	0	377	385	97 -	140	524	10337	10721
UN76091	Rsa1.0.00154.1	720	189461	1.00E-126	332	365	90 -	1	362	132203	132554
UN76092	Rsa1.0.01504.1	258	189978	1.00E-120	250	260	96 +	2	258	17292	17551
UN76093	Rsa1.0.00048.1	637	167185	1.00E-127	267	277	96 +	361	637	32731	33003
UN76094	Rsa1.0.05501.1	661	13513	2.00E-66	141	145	97 +	260	404	93	237
UN76095	Rsa1.0.05447.1	592	13713	1.00E-132	256	259	98 +	159	416	2447	2704
UN76096	Rsa1.0.00123.1	631	325650	0	536	548	97 +	6	550	183232	183779
UN76097	Rsa1.0.06336.1	558	11215	0	388	392	98 +	3	391	8233	8624
UN76098	Rsa1.0.00537.1	550	186980	0	492	493	99 -	2	494	176768	177260
UN76099	Rsa1.0.03506.1	550	22416	0	470	499	94 +	3	498	7392	7878
UN76100	Rsa1.0.08255.1	670	7652	1.00E-180	360	371	97 -	272	640	3887	4257
UN76101	Rsa1.0.00157.1	446	245832	1.00E-118	274	293	93 +	154	446	4309	4598
UN76102	Rsa1.0.00134.1	604	390219	0	410	423	96 +	183	602	44275	44697
UN76103	Rsa1.0.01412.1	444	46311	5.00E-72	176	184	95 -	234	412	10434	10616
UN76104	Rsa1.0.00414.1	576	202190	0	361	361	100 -	1	361	197260	197620
UN76105	Rsa1.0.00959.1	376	58202	1.00E-81	213	232	91 +	149	376	2659	2881
UN76106	Rsa1.0.00026.1	634	327835	0	628	632	99 -	1	632	177366	177996
UN76107	Rsa1.0.02592.1	356	29751	1.00E-106	229	238	96 -	120	356	29035	29270
UN76108	Rsa1.0.00574.1	713	74797	0	483	492	98 +	218	706	25553	26044
UN76109	Rsa1.0.00045.1	663	328694	1.00E-149	367	397	92 +	240	624	314453	314846
UN76110	Rsa1.0.02418.1	569	31590	0	520	533	97 +	35	567	3396	3928
UN76111	Rsa1.0.00268.1	493	101470	0	383	403	95 -	75	474	1504	1906
UN76112	Rsa1.0.17517.1	811	1811	1.00E-142	269	273	98 +	292	564	361	633
UN76113	Rsa1.0.00089.1	683	406142	1.00E-164	350	369	94 -	315	683	154487	154855
UN76114	Rsa1.0.04527.1	541	16958	0	507	540	93 +	3	541	12073	12587
UN76115	Rsa1.0.05161.1	797	14631	1.00E-141	331	357	92 +	22	378	8351	8695
UN76116	Rsa1.0.00047.1	793	168582	1.00E-102	189	189	100 -	158	346	58115	58303
UN76117	Rsa1.0.05366.1	790	14036	1.00E-119	218	218	100 +	1	218	1567	1784
UN76118	Rsa1.0.00878.1	546	330303	1.00E-88	214	232	92 -	1	221	327480	327711
UN76119	Rsa1.0.00095.1	753	283384	0	423	440	96 -	250	689	26419	26848
UN76120	Rsa1.0.01755.1	631	155581	1.00E-100	226	242	93 -	390	631	17786	18014
UN76121	Rsa1.0.00321.1	714	95671	0	691	719	96 +	2	714	24871	25586
UN76122	Rsa1.0.00370.1	597	90472	0	564	623	90 -	3	597	43262	43880
UN76123	Rsa1.0.09193.1	640	6567	0	424	438	96 -	203	640	1164	1601
UN76124	Rsa1.0.27467.1	633	851	0	629	633	99 +	1	633	109	741
UN76125	Rsa1.0.04276.1	774	18134	0	702	724	96 +	56	774	17413	18132
UN76126	Rsa1.0.06120.1	776	11691	0	457	471	97 +	6	476	3812	4282

UN76127	Rsa1.0.33108.1	808	686	0	647	683	94 -	104	783	4	686
UN76128	Rsa1.0.02925.1	845	26720	7.00E-45	114	120	95 -	557	674	21797	21916
UN76129	Rsa1.0.00011.1	521	225044	2.00E-99	187	188	99 -	121	308	50685	50872
UN76130	Rsa1.0.04703.1	803	16302	0	523	530	98 +	258	783	14621	15150
UN76131	Rsa1.0.02116.1	627	34853	0	371	371	100 -	3	373	31530	31900
UN76132	Rsa1.0.00429.1	766	85559	0	378	391	96 -	380	766	53799	54189
UN76133	Rsa1.0.00057.1	854	160473	8.00E-88	165	165	100 +	445	609	49338	49502
UN76134	Rsa1.0.00221.1	687	106972	1.00E-107	207	210	98 +	96	305	105022	105231
UN76135	Rsa1.0.00246.1	720	103541	1.00E-177	345	355	97 +	357	711	29514	29868
UN76136	Rsa1.0.16374.1	492	2173	1.00E-17	112	131	85 -	307	436	1216	1345
UN76137	Rsa1.0.02931.1	798	26654	1.00E-116	221	224	98 -	387	610	1350	1573
UN76138	Rsa1.0.00294.1	844	144860	0	491	519	94 -	255	771	80446	80963
UN76139	Rsa1.0.00350.1	628	92346	1.00E-150	329	346	95 -	260	605	60769	61112
UN76140	Rsa1.0.00478.1	764	81419	1.00E-116	229	232	98 -	535	764	61075	61306
UN76141	Rsa1.0.00057.1	254	160473	3.00E-78	151	152	99 +	3	154	142920	143071
UN76142	Rsa1.0.00661.1	428	213041	0	426	427	99 -	2	428	18567	18993
UN76143	Rsa1.0.00116.1	414	365886	1.00E-115	225	230	97 +	185	414	18349	18578
UN76144	Rsa1.0.01185.1	678	149842	1.00E-136	282	294	95 +	342	635	12759	13052
UN76145	Rsa1.0.00381.1	782	89718	1.00E-156	291	295	98 +	80	374	29091	29385
UN76146	Rsa1.0.00171.1	729	115622	1.00E-140	255	256	99 -	30	285	107754	108009
UN76147	Rsa1.0.07560.1	669	9129	0	650	668	97 -	2	669	7830	8497
UN76148	Rsa1.0.01523.1	728	43959	6.00E-76	148	149	99 -	3	151	4505	4653
UN76149	Rsa1.0.01648.1	461	41635	1.00E-121	236	241	97 -	221	461	31373	31613
UN76150	Rsa1.0.03640.1	599	21624	1.00E-117	264	280	94 -	130	406	18689	18968
UN76151	Rsa1.0.01571.1	692	43000	0	664	685	96 -	2	680	5156	5840
UN76152	Rsa1.0.00119.1	544	467509	1.00E-133	281	292	96 -	102	391	230079	230370
UN76153	Rsa1.0.00349.1	786	92621	1.00E-163	350	370	94 -	3	366	45076	45445
UN76154	Rsa1.0.00127.1	482	127446	2.00E-84	159	159	100 -	1	159	48439	48597
UN76155	Rsa1.0.01011.1	521	56883	1.00E-145	261	261	100 -	261	521	26562	26822
UN76156	Rsa1.0.02686.1	729	28666	8.00E-26	97	109	88 -	87	195	24227	24335
UN76157	Rsa1.0.06052.1	716	11848	4.00E-86	162	162	100 -	1	162	10495	10656
UN76158	Rsa1.0.00342.1	770	93695	0	363	363	100 -	1	363	41314	41676
UN76159	Rsa1.0.00228.1	697	105511	1.00E-162	293	294	99 -	181	474	43292	43585
UN76160	Rsa1.0.00445.1	493	84317	8.00E-96	181	182	99 -	110	291	12745	12926
UN76161	Rsa1.0.18696.1	676	1550	1.00E-137	260	264	98 +	4	267	999	1262
UN76162	Rsa1.0.00841.1	574	183065	9.00E-59	119	120	99 -	423	542	1400	1519
UN76163	Rsa1.0.01134.1	639	52829	0	618	647	95 +	2	639	22573	23212
UN76164	Rsa1.0.00001.1	762	363028	0	394	395	99 +	3	397	128367	128761
UN76165	Rsa1.0.00091.1	355	139699	1.00E-63	130	132	98 -	105	236	16237	16368

UN76166	Rsa1.0.07005.1	534	10044	0	515	521	98 +	2	522	3463	3983
UN76167	Rsa1.0.00203.1	639	109129	1.00E-121	273	287	95 -	357	639	79763	80043
UN76168	Rsa1.0.00793.1	616	64103	1.00E-121	253	264	95 -	49	312	5308	5571
UN76169	Rsa1.0.06177.1	706	11561	1.00E-123	234	237	98 +	352	588	8407	8643
UN76170	Rsa1.0.00265.1	825	220635	0	473	506	93 +	48	553	175253	175758
UN76171	Rsa1.0.01690.1	801	40939	2.00E-97	210	220	95 -	218	431	8876	9095
UN76172	Rsa1.0.02097.1	506	35036	0	498	505	98 +	2	506	15095	15599
UN76173	Rsa1.0.00203.1	507	109129	1.00E-118	218	219	99 +	289	507	16883	17101
UN76174	Rsa1.0.00803.1	724	144228	0	507	520	97 -	205	724	137301	137820
UN76175	Rsa1.0.00020.1	778	283099	1.00E-126	284	297	95 +	486	778	58982	59278
UN76176	Rsa1.0.07657.1	588	8896	1.00E-162	319	326	97 +	264	588	2985	3309
UN76177	Rsa1.0.00114.1	755	131330	0	626	695	90 +	1	680	114314	114982
UN76178	Rsa1.0.63227.1	634	363	0	363	363	100 +	50	412	1	363
UN76179	Rsa1.0.01938.1	740	264018	2.00E-72	230	261	88 -	4	247	166126	166386
UN76180	Rsa1.0.04651.1	820	16516	0	422	436	96 -	338	771	13953	14388
UN76181	Rsa1.0.21680.1	829	1182	0	580	639	90 -	1	617	1	627
UN76182	Rsa1.0.27037.1	634	868	1.00E-118	225	228	98 -	407	634	89	316
UN76183	Rsa1.0.01866.1	722	37961	0	696	723	96 -	3	719	3589	4310
UN76184	Rsa1.0.00190.1	528	318240	0	509	528	96 -	2	528	294947	295474
UN76185	Rsa1.0.04544.1	588	16917	1.00E-140	252	252	100 +	51	302	4476	4727
UN76186	Rsa1.0.00460.1	785	206387	1.00E-64	171	186	91 +	356	541	37567	37752
UN76187	Rsa1.0.01779.1	485	39448	0	476	485	98 -	1	485	10041	10525
UN76188	Rsa1.0.00172.1	778	115476	0	501	502	99 -	4	505	70539	71039
UN76189	Rsa1.0.00048.1	505	167185	2.00E-78	186	197	94 +	309	505	4501	4696
UN76190	Rsa1.0.00669.1	769	69419	2.00E-57	124	126	98 -	480	604	18999	19124
UN76191	Rsa1.0.01634.1	753	41865	1.00E-104	241	257	93 -	167	423	29332	29588
UN76192	Rsa1.0.24509.1	558	984	0	500	539	92 +	12	542	27	558
UN76193	Rsa1.0.02072.1	822	35401	0	796	805	98 +	2	802	6366	7169
UN76194	Rsa1.0.04353.1	800	138437	0	751	758	99 +	1	757	125818	126575
UN76195	Rsa1.0.00678.1	755	193163	0	341	345	98 -	3	347	183526	183870
UN76196	Rsa1.0.01381.1	360	46908	1.00E-117	226	230	98 +	131	360	34959	35188
UN76197	Rsa1.0.03402.1	657	23188	7.00E-63	123	123	100 -	254	376	12477	12599
UN76198	Rsa1.0.00278.1	784	231896	3.00E-75	150	152	98 -	97	248	182202	182353
UN76199	Rsa1.0.00417.1	638	395068	3.00E-93	209	220	95 +	3	219	258487	258706
UN76200	Rsa1.0.00002.1	799	601661	1.00E-172	323	326	99 +	476	799	48174	48499
UN76201	Rsa1.0.01004.1	668	56975	1.00E-52	133	142	93 +	88	229	23999	24140
UN76202	Rsa1.0.00377.1	648	90038	0	640	666	96 -	1	648	18942	19607
UN76203	Rsa1.0.02040.1	700	35684	1.00E-117	227	230	98 -	345	572	15056	15285
UN76204	Rsa1.0.65169.1	690	352	0	343	349	98 -	269	617	1	349

UN76205	Rsa1.0.00152.1	629	257730	1.00E-121	221	221	100 -	3	223	251779	251999
UN76206	Rsa1.0.00031.1	631	179862	0	430	456	94 +	1	446	2572	3015
UN76207	Rsa1.0.00715.1	771	67116	0	502	502	100 -	4	505	35383	35884
UN76208	Rsa1.0.00154.1	552	189461	0	535	554	96 +	2	552	10706	11256
UN76209	Rsa1.0.05338.1	778	144511	1.00E-86	172	175	98 -	292	466	6653	6827
UN76210	Rsa1.0.00680.1	214	68969	4.00E-31	75	77	97 +	5	81	60964	61040
UN76211	Rsa1.0.00049.1	591	167018	5.00E-79	188	200	94 -	3	199	80285	80484
UN76212	Rsa1.0.00120.1	427	277288	0	426	428	99 -	1	427	123907	124334
UN76213	Rsa1.0.07768.1	547	8608	1.00E-107	216	221	97 +	328	547	736	956
UN76214	Rsa1.0.33663.1	810	673	0	482	495	97 -	37	531	1	495
UN76215	Rsa1.0.01110.1	517	195852	0	502	517	97 -	1	517	178499	179015
UN76216	Rsa1.0.00329.1	449	222544	0	421	441	95 +	3	437	175882	176318
UN76217	Rsa1.0.00790.1	578	148693	0	527	557	94 +	5	559	17846	18400
UN76218	Rsa1.0.05963.1	662	12090	0	661	663	99 -	2	662	717	1379
UN76219	Rsa1.0.03169.1	614	24826	1.00E-124	284	300	94 +	323	614	9348	9646
UN76220	Rsa1.0.01801.1	582	39094	0	572	579	98 +	4	582	27202	27777
UN76221	Rsa1.0.00482.1	543	81162	1.00E-128	238	240	99 +	267	506	63861	64100
UN76222	Rsa1.0.00053.1	758	263459	5.00E-98	189	190	99 -	566	754	149295	149484
UN76223	Rsa1.0.15584.1	550	2534	0	549	550	99 +	1	550	1623	2172
UN76224	Rsa1.0.00058.1	554	159921	0	551	554	99 -	1	554	87623	88176
UN76225	Rsa1.0.00035.1	161	176449	5.00E-79	158	161	98 +	1	161	24065	24225
UN76226	Rsa1.0.01153.1	739	52264	0	503	511	98 -	5	514	22115	22625
UN76227	Rsa1.0.06952.1	356	10118	1.00E-160	286	286	100 -	71	356	4846	5131
UN76228	Rsa1.0.01691.1	749	40921	0	743	752	98 -	1	749	11632	12383
UN76229	Rsa1.0.02964.1	356	26407	1.00E-123	233	236	98 -	1	236	20559	20794
UN76230	Rsa1.0.00112.1	669	132199	2.00E-29	313	389	80 +	113	490	14163	14530
UN76231	Rsa1.0.00965.1	548	58139	3.00E-55	113	114	99 -	242	355	9005	9118
UN76232	Rsa1.0.00663.1	693	164969	0	573	606	94 +	92	693	133304	133909
UN76233	Rsa1.0.15461.1	725	2591	0	663	708	93 -	24	725	961	1658
UN76234	Rsa1.0.01697.1	674	40837	0	639	666	95 +	2	666	27918	28577
UN76235	Rsa1.0.54316.1	551	420	1.00E-158	322	333	96 -	20	352	1	330
UN76236	Rsa1.0.00263.1	680	224968	0	662	681	97 +	1	680	178134	178812
UN76237	Rsa1.0.00879.1	163	61297	7.00E-66	154	163	94 +	1	163	34359	34521
UN76238	Rsa1.0.03292.1	748	23977	0	730	748	97 +	3	748	12433	13178
UN76239	Rsa1.0.00523.1	746	178770	0	396	418	94 -	3	416	161189	161594
UN76240	Rsa1.0.00827.1	693	62790	0	663	693	95 +	1	693	17372	18052
UN76241	Rsa1.0.01460.1	595	45255	1.00E-168	325	331	98 +	1	331	34313	34641
UN76242	Rsa1.0.00332.1	337	94575	1.00E-107	301	341	88 -	1	320	73467	73807
UN76243	Rsa1.0.01457.1	104	45337	2.00E-27	94	104	90 +	1	104	6433	6533

UN76244	Rsa1.0.09478.1	528	6341	0	354	358	98 -	3	360	18	375
UN76245	Rsa1.0.05076.1	690	14916	0	363	375	96 -	316	690	602	976
UN76246	Rsa1.0.02385.1	155	31907	8.00E-47	141	155	90 +	2	155	27210	27364
UN76247	Rsa1.0.04107.1	518	19007	1.00E-174	353	361	97 +	1	359	6924	7280
UN76248	Rsa1.0.57556.1	375	397	1.00E-114	252	265	95 -	111	375	130	393
UN76249	Rsa1.0.00391.1	507	183853	1.00E-180	466	509	91 +	1	507	30672	31165
UN76250	Rsa1.0.08143.1	621	7836	0	579	581	99 +	1	581	5824	6404
UN76251	Rsa1.0.18008.1	505	1691	1.00E-155	315	323	97 +	3	321	243	563
UN76252	Rsa1.0.02179.1	156	34188	3.00E-71	151	156	96 +	1	156	23823	23978
UN76253	Rsa1.0.10337.1	625	5882	0	565	571	98 +	1	570	641	1209
UN76254	Rsa1.0.02909.1	216	26856	1.00E-107	211	216	97 -	1	216	8373	8588
UN76255	Rsa1.0.00247.1	509	103408	0	476	500	95 -	12	509	14634	15129
UN76256	Rsa1.0.02785.1	682	27881	0	613	669	91 +	2	664	541	1186
UN76257	Rsa1.0.00574.1	471	74797	0	463	471	98 -	1	471	70595	71065
UN76258	Rsa1.0.05303.1	720	14211	0	602	604	99 +	117	720	6381	6984
UN76259	Rsa1.0.03299.1	494	23949	0	458	488	93 +	7	494	15164	15639
UN76260	Rsa1.0.01865.1	691	37992	0	477	524	91 -	192	687	30450	30971
UN76261	Rsa1.0.04179.1	816	18633	0	463	467	99 -	1	467	16849	17313
UN76262	Rsa1.0.03065.1	456	25656	0	434	455	95 +	2	456	16137	16585
UN76263	Rsa1.0.34706.1	712	652	1.00E-166	309	313	98 +	400	712	264	576
UN76264	Rsa1.0.02422.1	286	161122	1.00E-113	260	275	94 -	13	286	17380	17653
UN76265	Rsa1.0.00073.1	827	240924	1.00E-117	235	242	97 +	395	636	144429	144670
UN76266	Rsa1.0.00111.1	157	390088	4.00E-70	149	154	96 +	4	157	374003	374156
UN76267	Rsa1.0.09061.1	696	6678	1.00E-124	269	283	95 +	8	281	348	630
UN76268	Rsa1.0.00608.1	588	172672	0	366	369	99 +	220	588	119644	120012
UN76269	Rsa1.0.18507.1	688	1586	1.00E-153	316	330	95 +	347	676	583	912
UN76270	Rsa1.0.04486.1	670	17161	0	392	411	95 -	1	411	13725	14123
UN76271	Rsa1.0.01310.1	714	164719	0	372	373	99 -	1	373	10508	10880
UN76272	Rsa1.0.02245.1	423	33478	0	398	419	94 +	2	419	11271	11687
UN76273	Rsa1.0.00301.1	776	365315	0	617	649	95 +	88	736	202386	203034
UN76274	Rsa1.0.01877.1	607	37789	0	592	607	97 -	1	607	24908	25514
UN76275	Rsa1.0.00706.1	220	291570	1.00E-109	215	220	97 -	1	220	242850	243069
UN76276	Rsa1.0.00020.1	793	283099	0	739	791	93 -	3	792	118129	118915
UN76277	Rsa1.0.04954.1	698	15347	1.00E-142	262	264	99 -	2	265	11672	11935
UN76278	Rsa1.0.01511.1	729	44235	0	624	629	99 -	1	629	4367	4995
UN76279	Rsa1.0.09684.1	681	6213	0	452	470	96 -	188	657	8	477
UN76280	Rsa1.0.00433.1	622	85381	0	596	604	98 -	1	604	47344	47947
UN76281	Rsa1.0.01078.1	370	316910	1.00E-78	182	193	94 +	178	370	290400	290592
UN76282	Rsa1.0.00343.1	628	93570	1.00E-123	230	232	99 -	75	306	49115	49346

UN76283	Rsa1.0.00113.1	795	131574	0	454	465	97 +	1	465	123309	123773
UN76284	Rsa1.0.00821.1	467	62891	0	452	470	96 -	1	467	50527	50991
UN76285	Rsa1.0.02248.1	469	33414	0	450	470	95 +	2	468	7005	7467
UN76286	Rsa1.0.06701.1	563	10514	1.00E-165	336	350	96 -	3	352	1318	1667
UN76287	Rsa1.0.08114.1	680	7883	0	644	693	92 -	11	680	6611	7300
UN76288	Rsa1.0.00584.1	294	74295	1.00E-147	288	295	97 -	1	294	31400	31694
UN76289	Rsa1.0.00144.1	221	120708	7.00E-79	204	220	92 -	1	218	25509	25727
UN76290	Rsa1.0.01602.1	817	42503	0	426	447	95 -	46	491	1709	2147
UN76291	Rsa1.0.00197.1	584	109714	1.00E-164	343	359	95 +	149	505	99351	99709
UN76292	Rsa1.0.00019.1	464	301669	1.00E-141	327	346	94 -	1	343	58793	59132
UN76293	Rsa1.0.25611.1	133	928	2.00E-38	122	133	91 +	1	133	750	875
UN76294	Rsa1.0.00131.1	651	432233	0	440	465	94 +	1	465	97541	98005
UN76295	Rsa1.0.23959.1	483	1014	1.00E-108	240	249	96 -	1	249	152	395
UN76296	Rsa1.0.00063.1	643	156150	0	640	642	99 +	2	643	62951	63592
UN76297	Rsa1.0.00484.1	498	203294	0	457	479	95 -	2	479	19530	20004
UN76298	Rsa1.0.00851.1	473	62181	1.00E-131	300	318	94 +	1	314	30600	30914
UN76299	Rsa1.0.00763.1	350	65121	0	344	349	98 -	2	350	23869	24217
UN76300	Rsa1.0.01422.1	269	46172	6.00E-52	110	112	98 +	87	198	34796	34907
UN76301	Rsa1.0.01368.1	228	47129	4.00E-77	208	228	91 -	1	228	26648	26872
UN76302	Rsa1.0.01065.1	348	55264	2.00E-71	302	353	85 -	1	348	30140	30459
UN76303	Rsa1.0.03162.1	297	24895	1.00E-145	275	279	98 -	2	278	22626	22904
UN76304	Rsa1.0.02895.1	521	26979	3.00E-89	224	241	92 -	1	237	11384	11619
UN76305	Rsa1.0.05719.1	659	12836	0	468	481	97 +	183	659	10336	10816
UN76306	Rsa1.0.01964.1	692	36702	0	527	536	98 +	157	692	25537	26072
UN76307	Rsa1.0.00019.1	109	301669	3.00E-24	95	105	90 -	3	107	272447	272549
UN76308	Rsa1.0.00990.1	624	57445	1.00E-180	322	323	99 +	1	323	31650	31972
UN76309	Rsa1.0.02433.1	247	158318	1.00E-107	232	244	95 +	1	244	128459	128702
UN76310	Rsa1.0.00187.1	400	393093	0	394	408	96 +	2	400	32698	33105
UN76311	Rsa1.0.03560.1	394	22092	0	392	394	99 -	1	394	15964	16357
UN76312	Rsa1.0.03085.1	645	25500	0	397	405	98 -	1	405	18540	18944
UN76313	Rsa1.0.01272.1	638	49553	0	613	638	96 +	1	638	22186	22820
UN76314	Rsa1.0.00054.1	741	162053	0	546	567	96 -	179	741	105894	106456
UN76315	Rsa1.0.15251.1	512	2727	1.00E-130	250	255	98 -	252	506	494	748
UN76316	Rsa1.0.01402.1	129	46509	7.00E-13	53	58	91 -	72	129	6519	6576
UN76317	Rsa1.0.00004.1	654	253996	0	498	527	94 +	129	654	96411	96930
UN76318	Rsa1.0.10046.1	561	6026	1.00E-169	338	349	96 +	1	348	1512	1860
UN76319	Rsa1.0.03895.1	147	20206	3.00E-46	121	130	93 +	13	142	13977	14106
UN76320	Rsa1.0.02727.1	240	28404	4.00E-96	225	238	94 +	1	236	293	530
UN76321	Rsa1.0.03352.1	748	23506	8.00E-97	255	277	92 -	1	274	4054	4327

UN76322	Rsa1.0.00799.1	382	63918	0	366	375	97 +	8	382	31800	32174
UN76323	Rsa1.0.00090.1	141	273859	4.00E-67	138	141	97 -	1	141	187604	187744
UN76324	Rsa1.0.01150.1	765	52331	0	755	766	98 -	1	765	47474	48239
UN76325	Rsa1.0.02343.1	145	32374	1.00E-76	145	145	100 +	1	145	18781	18925
UN76326	Rsa1.0.00454.1	710	216970	1.00E-165	347	362	95 -	3	363	183733	184093
UN76327	Rsa1.0.08994.1	200	6724	5.00E-64	148	156	94 -	1	156	3405	3560
UN76328	Rsa1.0.00668.1	718	69421	0	480	505	95 +	13	517	23933	24437
UN76329	Rsa1.0.36916.1	208	611	2.00E-39	128	143	89 +	44	186	29	171
UN76330	Rsa1.0.08062.1	301	7978	1.00E-166	299	300	99 -	2	301	6969	7268
UN76331	Rsa1.0.04247.1	704	18295	0	509	561	90 +	148	698	366	919
UN76332	Rsa1.0.03077.1	323	25558	8.00E-58	171	188	90 +	2	185	6800	6987
UN76333	Rsa1.0.17040.1	238	1944	7.00E-30	91	99	91 -	140	238	1366	1464
UN76334	Rsa1.0.03874.1	103	20360	5.00E-16	49	51	96 -	51	101	1516	1566
UN76335	Rsa1.0.53792.1	276	424	1.00E-116	264	275	96 -	3	276	33	302
UN76336	Rsa1.0.01129.1	675	52949	1.00E-139	257	259	99 -	2	260	34164	34422
UN76337	Rsa1.0.02029.1	184	35857	5.00E-67	147	153	96 +	1	153	15439	15591
UN76338	Rsa1.0.11424.1	695	5513	0	540	549	98 -	1	548	2320	2868
UN76339	Rsa1.0.02280.1	312	33063	1.00E-154	303	312	97 -	1	312	29537	29848
UN76340	Rsa1.0.00839.1	744	62533	0	708	748	94 -	3	744	8574	9311
UN76341	Rsa1.0.00223.1	283	106231	1.00E-119	238	245	97 +	39	283	103543	103787
UN76342	Rsa1.0.02707.1	753	28520	1.00E-175	338	346	97 -	411	753	12741	13086
UN76343	Rsa1.0.08512.1	583	7248	0	538	573	93 -	3	575	6588	7147
UN76344	Rsa1.0.01112.1	816	310601	0	573	601	95 +	1	590	154724	155321
UN76345	Rsa1.0.05049.1	159	15025	4.00E-24	72	77	93 +	1	77	9133	9209
UN76346	Rsa1.0.00660.1	403	69688	5.00E-72	153	158	96 -	242	399	17363	17520
UN76347	Rsa1.0.00149.1	595	305196	1.00E-82	217	233	93 +	3	234	45924	46150
UN76348	Rsa1.0.00199.1	143	249604	1.00E-51	133	143	93 +	1	143	13132	13274
UN76349	Rsa1.0.00136.1	566	122464	0	563	566	99 -	1	566	50636	51201
UN76350	Rsa1.0.13630.1	190	4607	4.00E-89	184	190	96 -	1	190	3567	3756
UN76351	Rsa1.0.00991.1	707	143101	0	674	735	91 +	3	707	6242	6974
UN76352	Rsa1.0.01818.1	698	38837	1.00E-159	320	332	96 -	3	334	4982	5313
UN76353	Rsa1.0.08928.1	594	6781	0	428	435	98 +	157	591	1	435
UN76354	Rsa1.0.00161.1	678	116891	0	542	561	96 -	128	678	55253	55807
UN76355	Rsa1.0.00025.1	431	277312	1.00E-162	335	347	96 -	1	343	78887	79231
UN76356	Rsa1.0.00903.1	712	60228	0	652	717	90 +	4	712	17015	17699
UN76357	Rsa1.0.00464.1	126	82253	8.00E-34	111	121	91 +	5	124	64410	64529
UN76358	Rsa1.0.13603.1	672	4659	1.00E-157	281	281	100 -	173	453	3327	3607
UN76359	Rsa1.0.01605.1	271	42442	1.00E-99	250	270	92 -	2	271	22760	23025
UN76360	Rsa1.0.00004.1	362	253996	1.00E-175	356	368	96 -	1	362	177084	177451

UN76361	Rsa1.0.00833.1	697	62621	7.00E-51	103	103	100 +	238	340	5552	5654
UN76362	Rsa1.0.00270.1	385	101236	2.00E-92	215	229	93 +	26	250	64886	65114
UN76363	Rsa1.0.44302.1	129	508	2.00E-50	122	129	94 +	1	129	179	307
UN76364	Rsa1.0.06955.1	707	10111	4.00E-55	133	140	95 +	482	618	8938	9077
UN76365	Rsa1.0.00039.1	666	296927	0	651	663	98 +	4	666	288696	289358
UN76366	Rsa1.0.01537.1	766	187285	0	378	382	98 +	3	384	28446	28827
UN76367	Rsa1.0.08072.1	693	7955	0	667	695	95 +	1	693	797	1485
UN76368	Rsa1.0.02916.1	632	26809	1.00E-161	387	420	92 -	7	414	5584	5991
UN76369	Rsa1.0.02168.1	130	34367	5.00E-63	128	130	98 +	1	130	13522	13651
UN76370	Rsa1.0.00128.1	706	228675	0	590	606	97 -	1	603	96919	97521
UN76371	Rsa1.0.00303.1	365	97468	0	362	365	99 -	1	365	27769	28133
UN76372	Rsa1.0.00089.1	360	406142	2.00E-83	250	281	88 +	80	360	208605	208885
UN76373	Rsa1.0.00627.1	661	71566	0	361	366	98 -	1	365	41766	42131
UN76374	Rsa1.0.05070.1	225	14933	6.00E-98	181	181	100 -	2	182	12725	12905
UN76375	Rsa1.0.00087.1	787	761073	0	359	360	99 -	1	360	215731	216090
UN76376	Rsa1.0.00667.1	736	69460	0	674	714	94 +	6	719	46064	46777
UN76377	Rsa1.0.02431.1	572	31504	1.00E-150	405	443	91 -	1	422	2929	3369
UN76378	Rsa1.0.02500.1	250	30768	1.00E-107	236	248	95 -	3	250	4422	4667
UN76379	Rsa1.0.03169.1	470	24826	7.00E-93	222	236	94 -	4	237	1618	1847
UN76380	Rsa1.0.01843.1	123	265131	2.00E-40	111	120	92 -	4	123	10456	10575
UN76381	Rsa1.0.03909.1	139	20142	2.00E-68	137	139	98 +	1	139	8039	8177
UN76382	Rsa1.0.00564.1	498	75428	1.00E-107	209	213	98 +	1	213	57774	57986
UN76383	#	#	#	#	#	#	#	#	#	#	#
UN76384	Rsa1.0.00533.1	132	77375	7.00E-50	124	132	93 -	1	132	49878	50009
UN76385	Rsa1.0.00679.1	728	68971	1.00E-133	254	257	98 -	2	257	56844	57100
UN76386	Rsa1.0.02681.1	145	28711	1.00E-33	97	105	92 +	6	110	6504	6608
UN76387	Rsa1.0.35120.1	259	644	1.00E-90	175	177	98 +	4	180	468	644
UN76388	Rsa1.0.00304.1	679	97429	1.00E-122	247	254	97 +	1	253	81195	81448
UN76389	Rsa1.0.00099.1	543	159619	1.00E-135	247	248	99 +	2	249	5193	5440
UN76390	Rsa1.0.03264.1	718	145959	1.00E-135	247	248	99 -	1	248	140478	140725
UN76391	Rsa1.0.01541.1	510	43682	1.00E-100	214	221	96 -	1	220	25253	25472
UN76392	Rsa1.0.00240.1	312	104175	5.00E-22	132	158	83 -	150	307	18123	18280
UN76393	Rsa1.0.00833.1	840	62621	0	378	379	99 -	3	381	12548	12926
UN76394	Rsa1.0.00762.1	560	165246	0	516	565	91 -	2	560	33288	33839
UN76395	Rsa1.0.00571.1	301	329018	1.00E-156	298	302	98 +	1	301	50388	50687
UN76396	Rsa1.0.00413.1	814	86921	0	730	753	96 +	2	749	76260	77006
UN76397	Rsa1.0.00001.1	675	363028	1.00E-150	307	319	96 +	1	319	290737	291052
UN76398	Rsa1.0.00038.1	845	314568	0	357	362	98 -	2	363	167365	167726
UN76399	Rsa1.0.01207.1	647	141053	0	519	519	100 +	1	519	108856	109374

UN76400	Rsa1.0.01089.1	685	142191	0	354	354	100 +	280	633	99090	99443
UN76401	Rsa1.0.01122.1	175	53369	2.00E-54	150	164	91 +	11	174	52565	52728
UN76402	Rsa1.0.00112.1	510	132199	0	492	505	97 -	1	505	115465	115968
UN76403	Rsa1.0.00859.1	517	61795	0	449	460	97 -	58	517	16621	17080
UN76404	Rsa1.0.04928.1	174	15420	3.00E-80	166	171	97 +	4	174	9635	9805
UN76405	Rsa1.0.00125.1	629	253043	1.00E-100	271	295	91 +	1	290	146896	147189
UN76406	Rsa1.0.00314.1	641	96472	1.00E-175	397	422	94 +	5	425	14671	15089
UN76407	Rsa1.0.00645.1	819	189716	1.00E-162	384	413	92 +	12	423	184988	185388
UN76408	Rsa1.0.01249.1	782	188432	1.00E-180	347	355	97 +	2	354	173037	173391
UN76409	Rsa1.0.01844.1	532	38421	1.00E-155	481	546	88 -	3	532	10249	10794
UN76410	Rsa1.0.09317.1	172	6459	2.00E-72	164	172	95 -	1	172	5505	5673
UN76411	Rsa1.0.15458.1	838	2591	1.00E-153	277	278	99 +	1	278	980	1257
UN76412	Rsa1.0.01192.1	746	51150	0	353	359	98 -	3	361	23563	23921
UN76413	Rsa1.0.00089.1	744	406142	1.00E-143	283	290	97 -	1	289	231223	231512
UN76414	Rsa1.0.00446.1	756	167829	0	406	408	99 +	3	410	2600	3007
UN76415	Rsa1.0.02177.1	620	34262	0	600	627	95 +	1	620	18808	19426
UN76416	Rsa1.0.06482.1	831	10937	0	523	526	99 +	1	526	10406	10931
UN76417	Rsa1.0.13438.1	556	4828	0	542	557	97 +	1	556	3308	3861
UN76418	Rsa1.0.00479.1	191	81377	1.00E-70	177	191	92 -	1	191	27513	27703
UN76419	Rsa1.0.00552.1	787	206757	0	336	340	98 +	1	336	193046	193385
UN76420	Rsa1.0.04295.1	788	18040	6.00E-70	141	143	98 +	1	143	8951	9093
UN76421	Rsa1.0.00998.1	334	57168	4.00E-72	176	186	94 -	3	187	12257	12441
UN76422	Rsa1.0.02484.1	523	30976	0	416	425	97 -	99	523	13236	13660
UN76423	Rsa1.0.04230.1	768	18384	0	754	764	98 -	3	765	6388	7151
UN76424	Rsa1.0.01492.1	630	44704	1.00E-171	484	540	89 -	55	582	26435	26963
UN76425	Rsa1.0.00385.1	465	89160	0	460	466	98 -	1	465	78450	78913
UN76426	Rsa1.0.02396.1	551	31783	0	426	435	97 -	60	492	16638	17072
UN76427	Rsa1.0.00391.1	798	183853	0	773	796	97 -	2	791	60269	61064
UN76428	Rsa1.0.00270.1	301	101236	7.00E-55	219	260	84 -	3	241	66375	66632
UN76429	Rsa1.0.03890.1	471	20223	0	446	470	94 -	1	470	1825	2293
UN76430	#	#	#	#	#	#	#	#	#	#	#
UN76431	Rsa1.0.00666.1	457	69505	0	452	455	99 +	4	457	34155	34609
UN76432	Rsa1.0.01068.1	646	55208	9.00E-78	148	148	100 +	3	150	5024	5171
UN76433	Rsa1.0.02845.1	482	27340	1.00E-123	227	228	99 +	3	230	2730	2957
UN76434	Rsa1.0.00009.1	730	232558	4.00E-86	181	186	97 +	1	185	103440	103625
UN76435	Rsa1.0.02585.1	238	29865	3.00E-87	219	237	92 +	5	238	25314	25550
UN76436	Rsa1.0.01280.1	504	49321	3.00E-74	190	204	93 +	3	206	37730	37929
UN76437	Rsa1.0.03299.1	258	23949	1.00E-108	249	265	93 -	1	258	16015	16279
UN76438	Rsa1.0.00810.1	616	63289	0	595	621	95 +	1	605	11749	12367

UN76439	Rsa1.0.05795.1	458	12609	1.00E-141	254	254	100 +	37	290	3638	3891
UN76440	Rsa1.0.00538.1	798	77149	1.00E-134	257	259	99 +	434	691	70603	70860
UN76441	Rsa1.0.02267.1	649	33194	1.00E-115	225	230	97 -	318	547	30984	31213
UN76442	Rsa1.0.05634.1	162	13114	4.00E-70	149	154	96 -	6	159	7671	7824
UN76443	Rsa1.0.02422.1	644	161122	0	331	334	99 +	311	644	17125	17458
UN76444	Rsa1.0.00175.1	636	166121	0	602	629	95 +	4	632	84167	84792
UN76445	Rsa1.0.01877.1	674	37789	1.00E-147	330	352	93 +	285	636	23914	24265
UN76446	Rsa1.0.01492.1	579	44704	1.00E-126	256	265	96 +	8	272	29233	29497
UN76447	Rsa1.0.00070.1	861	150321	2.00E-85	173	176	98 +	3	178	33528	33701
UN76448	Rsa1.0.00062.1	786	299291	0	599	612	97 -	138	745	267170	267781
UN76449	Rsa1.0.00122.1	650	265937	0	632	650	97 -	1	650	107056	107695
UN76450	Rsa1.0.01749.1	569	39822	6.00E-57	119	121	98 -	73	193	9051	9171
UN76451	Rsa1.0.00301.1	804	365315	0	551	555	99 -	2	556	203259	203813
UN76452	Rsa1.0.00798.1	638	63945	0	499	506	98 -	57	561	1228	1733
UN76453	Rsa1.0.00020.1	788	283099	0	583	630	92 +	158	781	116903	117532
UN76454	Rsa1.0.00476.1	789	280966	0	469	473	99 +	3	474	147064	147535
UN76455	Rsa1.0.00001.1	539	363028	0	534	538	99 +	2	539	53837	54374
UN76456	Rsa1.0.04892.1	678	15573	0	425	455	93 -	3	436	10948	11402
UN76457	Rsa1.0.00433.1	502	85381	1.00E-177	376	401	93 +	102	502	46161	46543
UN76458	Rsa1.0.02593.1	656	29744	1.00E-140	253	253	100 -	404	656	2912	3164
UN76459	Rsa1.0.10437.1	638	5851	0	433	442	97 -	187	627	238	679
UN76460	Rsa1.0.02274.1	582	33109	1.00E-176	348	360	96 +	63	411	12412	12771
UN76461	Rsa1.0.04935.1	759	15403	0	752	758	99 +	2	757	2565	3322
UN76462	Rsa1.0.02158.1	731	154841	1.00E-130	257	264	97 +	351	614	132153	132416
UN76463	Rsa1.0.04369.1	605	17703	1.00E-164	320	329	97 +	1	329	13406	13734
UN76464	Rsa1.0.01754.1	397	39792	7.00E-99	218	226	96 +	166	391	13606	13827
UN76465	Rsa1.0.05056.1	561	14981	1.00E-122	316	344	91 -	19	362	9075	9412
UN76466	Rsa1.0.01363.1	644	47195	1.00E-147	274	277	98 +	2	278	23104	23380
UN76467	Rsa1.0.00228.1	441	105511	3.00E-73	161	168	95 -	25	192	41526	41693
UN76468	Rsa1.0.00635.1	710	175826	0	707	710	99 +	1	710	174164	174873
UN76469	Rsa1.0.02186.1	722	34150	0	400	415	96 -	220	633	15913	16327
UN76470	Rsa1.0.15512.1	512	2565	0	361	361	100 +	152	512	1609	1969
UN76471	Rsa1.0.08903.1	743	6805	0	407	416	97 +	334	743	1687	2101
UN76472	Rsa1.0.02859.1	644	162118	1.00E-166	348	363	95 -	86	442	26031	26390
UN76473	Rsa1.0.00017.1	674	752458	4.00E-52	193	221	87 +	465	674	224549	224769
UN76474	Rsa1.0.02079.1	632	35306	0	371	371	100 +	130	500	6740	7110
UN76475	#	#	#	#	#	#	#	#	#	#	#
UN76476	Rsa1.0.00017.1	779	752458	1.00E-117	319	346	92 -	384	718	54030	54374
UN76477	Rsa1.0.02948.1	760	26526	0	536	537	99 +	1	537	14921	15457

UN76478	Rsa1.0_40165.1	750	559	2.00E-75	166	172	96 +	5	175	386	557
UN76479	Rsa1.0_00067.1	748	415055	0	721	756	95 -	1	748	251046	251791
UN76480	Rsa1.0_00653.1	556	70029	1.00E-177	387	409	94 -	15	419	48698	49096
UN76481	Rsa1.0_16044.1	717	2308	0	700	722	96 +	1	717	859	1580
UN76482	Rsa1.0_00192.1	562	278200	0	344	347	99 -	1	347	13714	14060
UN76483	Rsa1.0_00301.1	876	365315	1.00E-151	299	307	97 +	2	307	63703	64009
UN76484	Rsa1.0_01565.1	727	155447	0	623	636	97 +	1	634	33763	34396
UN76485	Rsa1.0_02231.1	705	33661	0	411	434	94 +	52	484	18252	18678
UN76486	Rsa1.0_00302.1	523	97521	1.00E-110	228	234	97 +	1	234	80563	80794
UN76487	Rsa1.0_00272.1	580	447836	0	564	578	97 +	3	580	425119	425694
UN76488	Rsa1.0_00438.1	229	84861	2.00E-30	139	160	86 +	32	190	62330	62483
UN76489	Rsa1.0_00265.1	392	220635	0	387	392	98 +	1	392	159682	160073
UN76490	Rsa1.0_04651.1	635	16516	2.00E-50	111	114	97 -	460	573	10962	11075
UN76491	Rsa1.0_00313.1	142	96745	6.00E-63	137	142	96 -	1	142	79840	79981
UN76492	Rsa1.0_03957.1	711	19868	0	694	711	97 -	1	711	3717	4427
UN76493	Rsa1.0_00481.1	577	81316	0	574	579	99 -	1	577	42113	42691
UN76494	Rsa1.0_00396.1	405	88242	1.00E-128	293	312	93 +	54	365	20231	20541
UN76495	Rsa1.0_03435.1	252	22958	1.00E-126	238	241	98 +	1	241	21297	21537
UN76496	Rsa1.0_02248.1	535	33414	1.00E-118	266	280	95 +	4	282	11892	12165
UN76497	Rsa1.0_00180.1	244	114581	1.00E-114	236	244	96 -	1	244	12822	13064
UN76498	Rsa1.0_13592.1	823	4685	0	506	523	96 -	305	822	1236	1758
UN76499	Rsa1.0_02358.1	581	32213	1.00E-111	291	312	93 +	270	574	21989	22296
UN76500	Rsa1.0_00096.1	116	198773	6.00E-50	109	112	97 -	5	116	53152	53263
UN76501	Rsa1.0_00171.1	668	115622	1.00E-86	163	163	100 +	206	368	87971	88133
UN76502	Rsa1.0_00294.1	716	144860	0	554	572	96 +	145	716	67251	67819
UN76503	Rsa1.0_00037.1	662	307838	0	438	464	94 +	28	485	236250	236705
UN76504	Rsa1.0_25457.1	266	935	1.00E-132	261	267	97 -	1	266	122	388
UN76505	Rsa1.0_01679.1	311	146876	1.00E-149	301	311	96 -	1	311	142893	143202
UN76506	Rsa1.0_00240.1	615	104175	6.00E-57	194	221	87 +	55	275	17124	17344
UN76507	Rsa1.0_23643.1	324	1035	1.00E-106	195	195	100 +	1	195	59	253
UN76508	Rsa1.0_00017.1	137	752458	4.00E-36	92	97	94 +	1	97	53103	53199
UN76509	Rsa1.0_00413.1	684	86921	1.00E-129	246	250	98 -	154	403	77937	78186
UN76510	Rsa1.0_00031.1	614	179862	5.00E-79	150	150	100 -	5	154	131461	131610
UN76511	Rsa1.0_00370.1	140	90472	2.00E-59	134	140	95 +	1	140	73445	73584
UN76512	Rsa1.0_02372.1	747	32053	1.00E-61	131	133	98 +	611	742	23597	23729
UN76513	Rsa1.0_00767.1	822	64980	4.00E-74	181	195	92 -	1	187	18547	18741
UN76514	Rsa1.0_03865.1	190	20373	4.00E-77	176	186	94 -	5	190	3552	3737
UN76515	Rsa1.0_00186.1	114	112669	4.00E-51	111	114	97 +	1	114	75116	75229
UN76516	Rsa1.0_00839.1	313	62533	1.00E-133	280	292	95 +	12	302	7883	8174

UN76517	Rsa1.0.00223.1	741	106231	0	453	482	93 -	3	480	104386	104855
UN76518	Rsa1.0.01850.1	563	162224	0	352	357	98 -	2	358	2485	2841
UN76519	Rsa1.0.00068.1	720	151813	1.00E-141	301	314	95 +	396	709	71030	71340
UN76520	Rsa1.0.48466.1	663	467	0	367	373	98 -	290	662	96	467
UN76521	Rsa1.0.00929.1	542	137796	4.00E-24	100	114	87 -	343	456	82776	82889
UN76522	Rsa1.0.03572.1	419	146346	7.00E-96	205	214	95 +	199	412	141058	141271
UN76523	Rsa1.0.01421.1	789	46197	4.00E-80	263	296	88 +	134	428	22008	22301
UN76524	Rsa1.0.00016.1	580	831256	1.00E-70	142	144	98 +	161	304	434822	434965
UN76525	Rsa1.0.00017.1	603	752458	1.00E-180	538	608	88 -	1	603	326882	327468
UN76526	Rsa1.0.00040.1	647	324196	0	401	417	96 +	3	410	261728	262142
UN76527	Rsa1.0.01364.1	673	47172	0	391	397	98 +	277	673	34330	34726
UN76528	Rsa1.0.02406.1	203	145276	1.00E-103	199	202	98 -	2	203	13496	13697
UN76529	Rsa1.0.00608.1	716	172672	1.00E-115	214	215	99 +	3	217	115757	115971
UN76530	Rsa1.0.00585.1	735	74164	0	728	731	99 -	3	733	53412	54141
UN76531	Rsa1.0.00904.1	259	180594	2.00E-82	172	175	98 +	86	259	12046	12219
UN76532	Rsa1.0.59402.1	569	385	0	383	385	99 -	42	426	1	385
UN76533	Rsa1.0.02929.1	432	26673	1.00E-119	256	268	95 -	2	269	20275	20539
UN76534	Rsa1.0.00016.1	323	831256	1.00E-158	313	323	96 -	1	323	300506	300828
UN76535	Rsa1.0.03120.1	612	25269	0	571	616	92 +	3	612	9547	10149
UN76536	Rsa1.0.00314.1	704	96472	1.00E-113	235	243	96 -	462	703	15671	15913
UN76537	Rsa1.0.00070.1	341	150321	1.00E-99	311	351	88 -	3	341	84438	84772
UN76538	Rsa1.0.01648.1	327	41635	1.00E-156	315	327	96 +	1	327	16944	17270
UN76539	Rsa1.0.01844.1	473	38421	1.00E-158	318	330	96 +	144	473	8431	8760
UN76540	Rsa1.0.06915.1	727	10174	0	578	593	97 +	2	594	2330	2922
UN76541	Rsa1.0.10453.1	739	5845	0	686	707	97 -	35	739	48	753
UN76542	Rsa1.0.14737.1	601	3115	0	586	606	96 +	3	601	987	1589
UN76543	Rsa1.0.00075.1	635	146680	1.00E-148	309	320	96 +	314	632	141543	141858
UN76544	Rsa1.0.00467.1	778	156542	1.00E-106	196	196	100 +	303	498	77373	77568
UN76545	Rsa1.0.07945.1	567	8206	6.00E-23	86	96	89 -	308	403	2457	2552
UN76546	Rsa1.0.01119.1	515	53459	1.00E-127	243	247	98 -	1	247	13988	14234
UN76547	Rsa1.0.04646.1	264	16541	3.00E-72	225	254	88 +	11	264	951	1204
UN76548	Rsa1.0.01153.1	712	52264	0	325	325	100 +	21	345	20617	20941
UN76549	Rsa1.0.76012.1	617	302	1.00E-137	256	259	98 -	126	384	7	265
UN76550	Rsa1.0.01058.1	381	55430	1.00E-125	258	267	96 -	115	381	23511	23776
UN76551	#	#	#	#	#	#	#	#	#	#	#
UN76552	Rsa1.0.01893.1	641	37520	6.00E-85	189	198	95 +	7	204	8564	8758
UN76553	Rsa1.0.00965.1	570	58139	3.00E-49	109	112	97 +	204	315	7485	7596
UN76554	Rsa1.0.00079.1	487	606987	0	371	381	97 -	2	379	587243	587623
UN76555	Rsa1.0.00056.1	685	332604	0	478	478	100 +	3	480	46942	47419

UN76556	Rsa1.0.02870.1	581	27102	0	561	580	96 +	2	581	7403	7982
UN76557	Rsa1.0.00663.1	705	164969	0	690	705	97 -	3	705	134172	134876
UN76558	Rsa1.0.01405.1	781	46445	0	720	731	98 -	8	730	37222	37952
UN76559	Rsa1.0.01474.1	665	45070	0	383	397	96 +	25	418	26147	26543
UN76560	Rsa1.0.00004.1	565	253996	0	540	566	95 -	2	565	97239	97797
UN76561	Rsa1.0.00799.1	560	63918	0	333	337	98 -	221	557	32529	32865
UN76562	Rsa1.0.00112.1	346	132199	1.00E-66	129	129	100 -	1	129	47407	47535
UN76563	Rsa1.0.00514.1	505	78421	0	350	353	99 -	153	505	11377	11729
UN76564	Rsa1.0.00469.1	709	82084	1.00E-137	299	318	94 -	2	319	69939	70241
UN76565	Rsa1.0.00417.1	754	395068	0	737	758	97 +	1	754	237442	238199
UN76566	Rsa1.0.00706.1	573	291570	0	555	570	97 +	2	569	242108	242677
UN76567	Rsa1.0.03511.1	498	22373	0	493	495	99 +	4	498	19176	19670
UN76568	Rsa1.0.00134.1	520	390219	0	386	394	97 +	1	392	42784	43177
UN76569	Rsa1.0.00768.1	512	64969	1.00E-116	287	310	92 -	213	512	60638	60947
UN76570	Rsa1.0.36130.1	508	625	0	332	333	99 -	1	333	231	563
UN76571	Rsa1.0.00373.1	532	90296	1.00E-165	315	320	98 +	215	532	32052	32369
UN76572	Rsa1.0.00263.1	515	224968	0	386	399	96 -	117	515	178811	179206
UN76573	Rsa1.0.00335.1	570	94371	0	519	530	97 +	41	570	18628	19157
UN76574	Rsa1.0.00753.1	815	65705	0	505	539	93 +	197	726	56735	57267
UN76575	Rsa1.0.25158.1	588	949	0	355	365	97 -	3	367	2	366
UN76576	Rsa1.0.02910.1	175	26843	8.00E-75	145	146	99 +	3	148	20588	20733
UN76577	Rsa1.0.00464.1	320	82253	2.00E-77	159	163	97 -	132	294	61681	61843
UN76578	Rsa1.0.02521.1	350	30562	0	346	349	99 +	2	350	19469	19817
UN76579	Rsa1.0.00964.1	129	316648	6.00E-35	111	123	90 +	4	126	18376	18498
UN76580	Rsa1.0.00556.1	614	207212	0	612	612	100 -	3	614	171051	171662
UN76581	Rsa1.0.04223.1	784	18407	1.00E-131	272	280	97 +	472	747	6198	6477
UN76582	Rsa1.0.05076.1	202	14916	2.00E-38	109	116	93 +	1	114	400	514
UN76583	Rsa1.0.00247.1	506	103408	0	487	505	96 +	2	506	77113	77617
UN76584	Rsa1.0.01073.1	795	55030	0	423	428	98 +	1	428	15513	15939
UN76585	Rsa1.0.00625.1	742	71672	0	718	748	95 -	3	741	13249	13990
UN76586	Rsa1.0.08018.1	566	8075	1.00E-178	331	333	99 +	218	549	5142	5473
UN76587	Rsa1.0.20636.1	739	1285	0	699	737	94 -	5	739	396	1132
UN76588	Rsa1.0.26429.1	493	892	1.00E-119	221	222	99 +	157	378	654	875
UN76589	Rsa1.0.00040.1	217	324196	8.00E-57	118	120	98 -	17	136	89946	90065
UN76590	Rsa1.0.00434.1	727	85171	2.00E-79	157	159	98 -	383	541	77826	77984
UN76591	Rsa1.0.00453.1	737	83031	0	696	740	94 -	7	737	77972	78711
UN76592	Rsa1.0.00145.1	763	261008	0	556	559	99 +	131	689	232353	232911
UN76593	Rsa1.0.03002.1	201	26107	9.00E-72	190	210	90 -	1	198	16553	16762
UN76594	Rsa1.0.00131.1	575	432233	1.00E-158	332	348	95 -	2	346	98837	99184

UN76595	Rsa1.0_00063.1	709	156150	1.00E-156	296	301	98 -	1	298	64298	64598
UN76596	Rsa1.0_00164.1	557	116642	0	407	414	98 +	3	414	43123	43536
UN76597	#	#	#	#	#	#	#	#	#	#	#
UN76598	Rsa1.0_00065.1	669	454616	1.00E-132	294	311	94 +	359	669	240976	241285
UN76599	Rsa1.0_00250.1	659	273771	4.00E-98	247	265	93 +	7	271	229111	229371
UN76600	Rsa1.0_03571.1	814	22030	0	706	747	94 -	34	779	1450	2195
UN76601	Rsa1.0_01376.1	773	47004	0	396	411	96 +	364	773	968	1375
UN76602	Rsa1.0_02397.1	816	31778	1.00E-119	232	237	97 +	187	423	24647	24883
UN76603	Rsa1.0_03233.1	678	24446	0	491	497	98 -	182	678	21904	22400
UN76604	Rsa1.0_00786.1	754	64285	0	565	571	98 +	2	572	19248	19818
UN76605	Rsa1.0_18032.1	598	1686	1.00E-106	205	207	99 +	144	348	1291	1497
UN76606	#	#	#	#	#	#	#	#	#	#	#
UN76607	Rsa1.0_00018.1	693	410899	0	676	693	97 +	2	693	7176	7868
UN76608	Rsa1.0_00653.1	711	70029	1.00E-149	282	287	98 +	207	493	45561	45847
UN76609	Rsa1.0_03692.1	286	21338	2.00E-64	215	234	91 +	65	286	3649	3882
UN76610	Rsa1.0_00991.1	731	143101	0	691	741	93 -	3	731	7826	8566
UN76611	Rsa1.0_01818.1	697	38837	0	660	697	94 +	2	697	3979	4675
UN76612	Rsa1.0_08928.1	771	6781	0	737	751	98 -	4	749	831	1581
UN76613	Rsa1.0_08048.1	241	137630	8.00E-42	98	101	97 +	144	241	1604	1704
UN76614	Rsa1.0_00037.1	484	307838	1.00E-121	260	276	94 -	3	265	150852	151127
UN76615	Rsa1.0_60775.1	137	377	1.00E-23	97	104	93 -	3	102	114	216
UN76616	Rsa1.0_00161.1	575	116891	0	536	573	93 +	2	571	54536	55084
UN76617	Rsa1.0_01701.1	590	162121	1.00E-101	190	191	99 -	165	355	26072	26262
UN76618	Rsa1.0_00025.1	747	277312	0	569	572	99 +	3	574	77638	78209
UN76619	#	#	#	#	#	#	#	#	#	#	#
UN76620	Rsa1.0_00195.1	603	251884	3.00E-99	207	214	96 +	2	215	82491	82701
UN76621	Rsa1.0_02975.1	722	26322	1.00E-163	361	383	94 +	228	610	15690	16061
UN76622	Rsa1.0_02349.1	635	32312	2.00E-13	101	120	84 -	476	595	2091	2204
UN76623	Rsa1.0_14043.1	357	3873	3.00E-91	176	178	98 +	3	180	2414	2591
UN76624	Rsa1.0_01286.1	551	49209	0	536	551	97 -	1	551	7132	7682
UN76625	Rsa1.0_01049.1	220	55655	2.00E-82	173	179	96 +	6	184	41128	41306
UN76626	Rsa1.0_00237.1	415	235974	0	415	415	100 -	1	415	202346	202760
UN76627	Rsa1.0_06455.1	651	10983	1.00E-147	387	423	91 -	5	421	3384	3797
UN76628	Rsa1.0_00775.1	676	64793	0	545	563	96 -	114	676	7147	7709
UN76629	Rsa1.0_00646.1	317	70473	5.00E-65	159	170	93 +	148	317	4444	4613
UN76630	Rsa1.0_01632.1	505	181224	0	454	489	92 +	2	487	828	1304
UN76631	Rsa1.0_00898.1	360	202772	4.00E-69	262	300	87 -	25	322	174644	174935
UN76632	Rsa1.0_03631.1	409	21647	1.00E-176	375	395	94 -	18	409	2834	3228
UN76633	Rsa1.0_00086.1	325	439854	5.00E-90	180	184	97 +	1	184	375416	375599

UN76634	Rsa1.0.02174.1	442	34316	1.00E-91	192	198	96 -	48	243	13678	13875
UN76635	Rsa1.0.00398.1	713	88007	0	469	486	96 -	1	486	35201	35683
UN76636	Rsa1.0.00724.1	405	66789	0	405	405	100 +	1	405	21954	22358
UN76637	Rsa1.0.00278.1	390	231896	1.00E-154	300	308	97 +	5	312	92915	93222
UN76638	Rsa1.0.00196.1	703	109960	0	531	536	99 -	3	538	60727	61262
UN76639	Rsa1.0.00268.1	394	101470	1.00E-145	332	356	93 -	40	394	5751	6092
UN76640	Rsa1.0.00085.1	335	142226	1.00E-109	296	333	88 -	3	335	56992	57304
UN76641	Rsa1.0.00083.1	595	442773	1.00E-159	303	308	98 +	290	595	326815	327122
UN76642	Rsa1.0.04200.1	593	18490	1.00E-85	164	165	99 +	357	521	15633	15797
UN76643	Rsa1.0.00549.1	719	76473	1.00E-123	240	245	97 +	472	716	37587	37831
UN76644	Rsa1.0.10565.1	620	5800	0	575	613	93 +	3	612	4433	5039
UN76645	Rsa1.0.00623.1	678	207630	1.00E-100	218	229	95 +	451	673	164904	165132
UN76646	Rsa1.0.04271.1	781	18148	0	654	660	99 -	122	776	14955	15614
UN76647	Rsa1.0.01157.1	600	52121	0	592	599	98 -	2	600	46312	46910
UN76648	Rsa1.0.00397.1	207	88189	1.00E-103	199	202	98 -	1	202	45310	45511
UN76649	Rsa1.0.02785.1	593	27881	1.00E-124	255	264	96 -	289	552	1970	2230
UN76650	Rsa1.0.00301.1	618	365315	9.00E-84	188	196	95 -	2	196	346832	347024
UN76651	Rsa1.0.27873.1	442	836	1.00E-102	192	193	99 -	6	198	148	340
UN76652	Rsa1.0.05303.1	765	14211	0	642	648	99 -	121	765	7436	8083
UN76653	Rsa1.0.02871.1	720	27085	1.00E-162	317	326	97 +	379	704	4928	5253
UN76654	Rsa1.0.01377.1	240	46967	1.00E-18	66	72	91 +	11	82	39486	39557
UN76655	Rsa1.0.00437.1	636	84879	0	550	559	98 +	3	561	27518	28073
UN76656	Rsa1.0.00194.1	185	110851	2.00E-81	177	184	96 +	1	182	68361	68544
UN76657	Rsa1.0.01817.1	657	38849	1.00E-176	325	329	98 +	285	613	31779	32107
UN76658	Rsa1.0.01865.1	806	37992	0	552	590	93 +	233	806	29197	29783
UN76659	Rsa1.0.04179.1	787	18633	1.00E-105	194	194	100 +	182	375	16118	16311
UN76660	Rsa1.0.01089.1	583	142191	0	462	464	99 -	120	583	101675	102138
UN76661	Rsa1.0.01602.1	286	42503	1.00E-105	273	289	94 +	3	283	975	1263
UN76662	Rsa1.0.16336.1	641	2192	0	629	642	97 -	1	641	1344	1985
UN76663	Rsa1.0.00197.1	645	109714	2.00E-84	162	163	99 -	85	247	100879	101041
UN76664	Rsa1.0.00180.1	555	114581	3.00E-68	135	136	99 +	232	367	59368	59503
UN76665	Rsa1.0.00169.1	761	274298	0	506	525	96 -	231	748	21340	21864
UN76666	Rsa1.0.00302.1	710	97521	0	682	713	95 -	1	710	57626	58338
UN76667	Rsa1.0.01611.1	707	42269	0	395	402	98 -	147	548	5473	5874
UN76668	Rsa1.0.06892.1	826	10197	1.00E-126	295	306	96 +	488	785	5734	6039
UN76669	Rsa1.0.00067.1	651	415055	0	463	496	93 -	178	651	251822	252317
UN76670	Rsa1.0.00142.1	640	121474	1.00E-131	277	289	95 +	3	290	99487	99775
UN76671	Rsa1.0.02903.1	652	26901	0	572	631	90 +	4	634	4909	5503
UN76672	Rsa1.0.07591.1	673	9060	0	453	454	99 +	210	663	1287	1740

UN76673	Rsa1.0.02529.1	643	30437	1.00E-116	225	229	98 +	202	430	11363	11591
UN76674	Rsa1.0.00887.1	696	61048	0	605	627	96 -	73	695	47900	48526
UN76675	Rsa1.0.00451.1	572	322533	0	565	572	98 -	3	572	250738	251309
UN76676	Rsa1.0.00293.1	753	339294	2.00E-29	423	539	78 -	101	638	171265	171797
UN76677	Rsa1.0.03714.1	667	21217	1.00E-119	254	265	95 +	404	667	15452	15716
UN76678	Rsa1.0.00667.1	537	69460	0	502	526	95 -	12	537	47164	47689
UN76679	Rsa1.0.02016.1	845	36003	1.00E-122	231	233	99 +	271	501	23397	23629
UN76680	Rsa1.0.05321.1	785	14154	0	401	409	98 -	62	470	2553	2961
UN76681	Rsa1.0.00347.1	188	93048	6.00E-76	181	192	94 +	3	188	85137	85328
UN76682	Rsa1.0.00326.1	754	171955	1.00E-46	147	164	89 -	268	431	22073	22236
UN76683	Rsa1.0.04224.1	621	18402	0	460	502	91 +	119	614	78	564
UN76684	Rsa1.0.38780.1	731	580	3.00E-47	189	225	84 -	218	421	1	225
UN76685	Rsa1.0.05725.1	345	12809	3.00E-73	147	148	99 -	66	212	772	919
UN76686	Rsa1.0.01195.1	697	147988	0	558	587	95 -	125	697	9858	10444
UN76687	Rsa1.0.01721.1	760	40345	0	751	762	98 +	1	755	23089	23850
UN76688	Rsa1.0.01196.1	799	51097	1.00E-114	221	225	98 -	480	704	32613	32837
UN76689	Rsa1.0.05972.1	834	12067	1.00E-52	106	106	100 +	535	640	11353	11458
UN76690	Rsa1.0.00564.1	660	75428	1.00E-121	236	241	97 -	3	243	59706	59946
UN76691	Rsa1.0.03302.1	215	23898	1.00E-83	208	225	92 -	1	215	7034	7258
UN76692	Rsa1.0.00065.1	278	454616	7.00E-95	197	204	96 -	73	276	171041	171244
UN76693	Rsa1.0.02006.1	758	36135	0	630	671	93 -	5	674	15573	16242
UN76694	Rsa1.0.02901.1	781	26909	1.00E-106	201	203	99 +	3	205	7728	7930
UN76695	Rsa1.0.00214.1	787	107508	0	673	682	98 +	3	678	26036	26715
UN76696	Rsa1.0.00087.1	555	761073	4.00E-67	160	169	94 +	243	409	292045	292213
UN76697	Rsa1.0.00029.1	692	272992	0	691	691	100 -	2	692	108639	109329
UN76698	Rsa1.0.06189.1	306	11525	1.00E-138	292	306	95 +	5	306	9867	10172
UN76699	Rsa1.0.05056.1	592	14981	1.00E-124	273	289	94 +	78	360	7331	7614
UN76700	Rsa1.0.02186.1	877	34150	1.00E-153	335	351	95 +	1	348	13885	14231
UN76701	Rsa1.0.03019.1	775	25987	0	551	565	97 -	1	565	1534	2087
UN76702	Rsa1.0.00344.1	694	191774	1.00E-109	217	222	97 -	326	547	133438	133656
UN76703	Rsa1.0.03741.1	562	143933	8.00E-47	102	104	98 -	459	562	14515	14618
UN76704	Rsa1.0.18563.1	545	1574	0	334	337	99 -	1	337	528	864
UN76705	Rsa1.0.03805.1	424	20746	0	417	424	98 -	1	424	14534	14956
UN76706	Rsa1.0.02898.1	584	26958	0	350	356	98 -	166	521	6441	6796
UN76707	Rsa1.0.01056.1	494	55449	1.00E-127	361	407	88 -	1	406	15982	16366
UN76708	Rsa1.0.01510.1	338	44237	1.00E-111	268	287	93 -	19	303	19205	19486
UN76709	Rsa1.0.00492.1	611	80178	0	435	435	100 +	2	436	60692	61126
UN76710	Rsa1.0.03647.1	641	21597	0	578	627	92 +	5	611	2405	3027
UN76711	Rsa1.0.00281.1	677	99908	0	621	682	91 -	2	677	97116	97790

UN76712	Rsa1.0.02991.1	763	26178	0	712	753	94 -	16	763	12068	12814
UN76713	Rsa1.0.02748.1	753	28242	0	586	622	94 -	129	750	18427	19048
UN76714	Rsa1.0.00226.1	354	105884	1.00E-106	214	220	97 +	2	221	103715	103934
UN76715	Rsa1.0.33019.1	263	688	1.00E-116	251	263	95 -	1	263	177	438
UN76716	Rsa1.0.00300.1	123	97747	4.00E-42	106	111	95 -	14	123	82577	82687
UN76717	Rsa1.0.03688.1	772	143676	0	719	756	95 -	4	759	1211	1963
UN76718	Rsa1.0.00625.1	259	71672	1.00E-107	241	253	95 +	8	259	14884	15135
UN76719	Rsa1.0.00077.1	246	145005	1.00E-108	234	246	95 -	1	246	1915	2160
UN76720	Rsa1.0.00752.1	752	65756	0	683	715	95 +	1	708	20361	21074
UN76721	Rsa1.0.02783.1	713	27927	0	705	715	98 +	1	713	21335	22047
UN76722	Rsa1.0.01272.1	771	49553	0	722	779	92 -	2	763	23240	24006
UN76723	Rsa1.0.02981.1	574	26285	1.00E-153	313	325	96 +	3	325	23215	23539
UN76724	Rsa1.0.00060.1	858	502678	1.00E-163	298	300	99 -	1	300	253608	253907
UN76725	Rsa1.0.12999.1	524	5050	1.00E-119	217	217	100 -	2	218	1	217
UN76726	Rsa1.0.00501.1	808	79545	1.00E-131	241	242	99 +	4	245	17747	17988
UN76727	Rsa1.0.00130.1	710	125737	1.00E-116	219	220	99 -	1	220	18454	18672
UN76728	Rsa1.0.01403.1	430	46453	0	392	412	95 -	24	430	3746	4155
UN76729	Rsa1.0.01389.1	585	46716	1.00E-39	102	108	94 -	344	451	17542	17649
UN76730	Rsa1.0.01091.1	591	54383	0	582	591	98 -	2	591	49993	50583
UN76731	Rsa1.0.00881.1	641	61260	1.00E-166	342	357	95 +	285	641	18614	18970
UN76732	Rsa1.0.32288.1	710	705	0	639	654	97 -	1	654	4	657
UN76733	Rsa1.0.03181.1	806	24763	1.00E-151	329	343	95 -	406	744	19307	19649
UN76734	Rsa1.0.00077.1	564	145005	0	517	544	95 +	21	564	128662	129205
UN76735	Rsa1.0.00571.1	523	329018	1.00E-131	249	253	98 -	127	379	208194	208446
UN76736	Rsa1.0.00627.1	637	71566	2.00E-87	170	172	98 +	3	174	38974	39145
UN76737	Rsa1.0.02484.1	804	30976	1.00E-165	303	306	99 +	2	307	10850	11155
UN76738	Rsa1.0.15782.1	579	2423	0	509	509	100 +	71	579	1026	1534
UN76739	Rsa1.0.05070.1	535	14933	0	523	532	98 +	4	535	11691	12220
UN76740	Rsa1.0.00016.1	255	831256	1.00E-132	251	255	98 -	1	255	271884	272134
UN76741	Rsa1.0.00385.1	640	89160	0	529	558	94 +	101	640	77876	78430
UN76742	Rsa1.0.02210.1	483	33857	8.00E-59	150	160	93 -	308	467	23094	23252
UN76743	Rsa1.0.00079.1	558	606987	1.00E-103	255	279	91 +	3	264	70264	70542
UN76744	Rsa1.0.03237.1	330	24434	1.00E-120	287	307	93 +	25	330	31	332
UN76745	Rsa1.0.04450.1	682	17297	0	556	588	94 +	95	682	11966	12550
UN76746	Rsa1.0.00878.1	510	330303	8.00E-87	172	175	98 +	3	177	130287	130461
UN76747	Rsa1.0.01028.1	630	56401	0	611	629	97 -	2	630	9240	9868
UN76748	Rsa1.0.07601.1	816	9051	0	792	828	95 +	2	814	1080	1907
UN76749	Rsa1.0.00156.1	573	118383	0	561	565	99 -	3	566	39959	40523
UN76750	Rsa1.0.01424.1	670	46139	0	648	669	96 +	2	670	40617	41285

UN76751	Rsa1.0.00309.1	718	96883	1.00E-122	228	230	99 +	5	234	86976	87205
UN76752	Rsa1.0.00310.1	774	96852	0	750	774	96 +	2	774	12640	13413
UN76753	Rsa1.0.00391.1	615	183853	0	605	614	98 -	2	615	31323	31931
UN76754	Rsa1.0.02122.1	506	34797	1.00E-108	208	211	98 -	168	378	29052	29262
UN76755	Rsa1.0.00668.1	694	69421	1.00E-163	315	322	97 -	3	324	27319	27637
UN76756	Rsa1.0.10976.1	714	5657	0	706	712	99 +	3	714	2977	3688
UN76757	Rsa1.0.00064.1	387	240927	1.00E-69	137	138	99 -	61	198	97127	97264
UN76758	Rsa1.0.14157.1	553	3726	1.00E-94	176	176	100 -	298	473	3223	3398
UN76759	Rsa1.0.05694.1	749	12903	1.00E-83	181	186	97 -	55	239	9767	9951
UN76760	Rsa1.0.00870.1	569	61606	1.00E-135	248	249	99 +	3	251	48065	48313
UN76761	Rsa1.0.00159.1	238	431686	1.00E-109	227	236	96 +	3	238	344423	344658
UN76762	Rsa1.0.01489.1	627	44764	0	614	621	98 +	3	623	26715	27335
UN76763	Rsa1.0.00816.1	709	403350	1.00E-105	194	194	100 +	21	214	1254	1447
UN76764	Rsa1.0.00604.1	814	146282	3.00E-87	188	196	95 +	263	458	13159	13354
UN76765	Rsa1.0.04383.1	684	17631	1.00E-117	227	230	98 -	316	544	11091	11320
UN76766	Rsa1.0.00498.1	798	79746	0	764	767	99 -	3	769	13851	14617
UN76767	Rsa1.0.04811.1	683	15885	1.00E-173	335	340	98 -	331	667	13468	13807
UN76768	Rsa1.0.00187.1	802	393093	0	631	646	97 -	1	646	208969	209614
UN76769	Rsa1.0.00626.1	688	71582	1.00E-123	225	225	100 -	464	688	69601	69825
UN76770	Rsa1.0.00343.1	781	93570	1.00E-116	290	304	95 +	488	781	49115	49418
UN76771	Rsa1.0.05146.1	661	14678	1.00E-172	341	353	96 +	3	349	943	1295
UN76772	Rsa1.0.00423.1	474	86138	2.00E-84	188	197	95 -	281	474	39245	39441
UN76773	Rsa1.0.00205.1	672	193401	4.00E-58	124	126	98 -	547	672	14591	14714
UN76774	Rsa1.0.00990.1	526	57445	0	448	450	99 -	29	478	32451	32900
UN76775	Rsa1.0.02299.1	687	32857	4.00E-83	209	227	92 +	11	237	21295	21509
UN76776	Rsa1.0.01413.1	698	46275	0	456	462	98 +	238	698	39702	40163
UN76777	Rsa1.0.01023.1	510	56571	0	476	477	99 +	34	510	20370	20846
UN76778	Rsa1.0.00029.1	664	272992	0	525	526	99 +	3	528	106784	107309
UN76779	Rsa1.0.06189.1	584	11525	0	418	441	94 -	7	435	10413	10852
UN76780	Rsa1.0.00903.1	751	60228	0	709	753	94 -	3	751	18065	18799
UN76781	#	#	#	#	#	#	#	#	#	#	#
UN76782	Rsa1.0.00112.1	656	132199	0	475	485	97 +	1	485	114369	114844
UN76783	Rsa1.0.03969.1	604	19797	0	585	604	96 +	3	604	12915	13518
UN76784	Rsa1.0.03821.1	636	20643	1.00E-89	174	176	98 +	258	433	4155	4330
UN76785	Rsa1.0.00133.1	286	123768	2.00E-70	147	151	97 -	52	202	11639	11789
UN76786	Rsa1.0.00934.1	772	193516	0	571	579	98 -	3	581	176062	176640
UN76787	Rsa1.0.02681.1	377	28711	9.00E-49	105	107	98 -	36	142	6502	6608
UN76788	Rsa1.0.00799.1	717	63918	0	570	621	91 +	3	623	18330	18935
UN76789	Rsa1.0.00304.1	522	97429	1.00E-94	215	228	94 -	135	362	83069	83296

UN76790	Rsa1.0_70093.1	570	327	2.00E-19	59	62	95 -	483	544	13	74
UN76791	Rsa1.0_03264.1	634	145959	0	442	444	99 +	3	446	138222	138665
UN76792	Rsa1.0_27727.1	774	842	1.00E-145	261	261	100 -	4	264	45	305
UN76793	Rsa1.0_01440.1	616	45807	0	485	504	96 -	106	609	13968	14471
UN76794	Rsa1.0_00645.1	747	189716	5.00E-98	195	198	98 -	199	395	187376	187573
UN76795	Rsa1.0_07130.1	697	9861	1.00E-171	305	305	100 +	3	307	2625	2929
UN76796	Rsa1.0_09047.1	823	6684	1.00E-147	357	386	92 +	40	407	897	1281
UN76797	Rsa1.0_07919.1	663	8261	1.00E-172	351	365	96 -	111	475	250	611
UN76798	Rsa1.0_00446.1	821	167829	0	769	839	91 -	2	813	3945	4774
UN76799	Rsa1.0_07969.1	259	8157	1.00E-96	241	260	92 -	2	259	4825	5081
UN76800	Rsa1.0_03728.1	751	21147	2.00E-75	163	168	97 -	558	724	1684	1851
UN76801	Rsa1.0_00170.1	294	179538	6.00E-40	96	100	96 -	157	256	21161	21260
UN76802	Rsa1.0_00087.1	656	761073	1.00E-104	199	200	99 -	458	656	66928	67127
UN76803	Rsa1.0_00515.1	554	78417	0	549	553	99 -	2	554	72169	72721
UN76804	Rsa1.0_00065.1	597	454616	1.00E-158	283	283	100 +	315	597	430326	430608
UN76805	Rsa1.0_00552.1	814	206757	1.00E-105	194	194	100 -	372	565	193714	193907
UN76806	Rsa1.0_02769.1	656	28107	3.00E-96	191	195	97 -	302	496	12443	12637
UN76807	Rsa1.0_00504.1	763	79334	0	704	730	96 +	2	728	61783	62506
UN76808	Rsa1.0_09365.1	781	6423	3.00E-87	212	223	95 +	562	779	5061	5283
UN76809	Rsa1.0_04230.1	818	18384	0	387	394	98 +	2	394	5674	6067
UN76810	Rsa1.0_03109.1	817	25336	1.00E-122	283	298	94 +	382	673	1950	2244
UN76811	Rsa1.0_07066.1	413	9954	1.00E-72	139	139	100 -	149	287	8112	8250
UN76812	Rsa1.0_07309.1	799	9572	5.00E-58	118	119	99 -	501	619	7996	8114
UN76813	Rsa1.0_02443.1	817	31353	5.00E-55	124	128	96 -	3	127	20043	20170
UN76814	Rsa1.0_00204.1	741	109056	1.00E-177	354	367	96 +	375	741	33783	34149
UN76815	Rsa1.0_00546.1	278	76523	1.00E-104	236	251	94 +	3	253	60812	61062
UN76816	Rsa1.0_00078.1	662	175053	0	367	381	96 +	3	383	97781	98161
UN76817	Rsa1.0_70093.1	285	327	3.00E-17	55	58	94 +	17	74	17	74
UN76818	Rsa1.0_00752.1	721	65756	0	372	383	97 +	1	380	58758	59137
UN76819	Rsa1.0_03990.1	165	19676	1.00E-82	161	163	98 +	3	165	12738	12900
UN76820	Rsa1.0_01743.1	536	39926	1.00E-104	256	271	94 -	1	266	15993	16261
UN76821	Rsa1.0_03046.1	611	25784	0	585	612	95 +	3	611	7344	7955
UN76822	Rsa1.0_00326.1	684	171955	1.00E-171	352	366	96 -	27	387	63280	63645
UN76823	Rsa1.0_36525.1	642	617	1.00E-122	223	223	100 +	1	223	228	450
UN76824	Rsa1.0_02402.1	802	31710	0	529	534	99 -	3	536	11951	12483
UN76825	Rsa1.0_03957.1	597	19868	1.00E-127	263	274	95 +	320	593	2177	2450
UN76826	Rsa1.0_00977.1	807	198001	0	471	479	98 -	2	480	189582	190060
UN76827	Rsa1.0_02281.1	814	292576	1.00E-120	265	278	95 +	310	584	15443	15720
UN76828	Rsa1.0_00944.1	708	58733	0	694	711	97 +	4	703	52848	53558

UN76829	Rsa1.0.03435.1	370	22958	3.00E-88	174	177	98 -	194	370	21993	22169
UN76830	Rsa1.0.00918.1	275	59720	1.00E-90	232	249	93 -	2	247	4356	4599
UN76831	Rsa1.0.00198.1	640	222963	1.00E-122	248	254	97 -	1	253	64768	65020
UN76832	Rsa1.0.00467.1	537	156542	0	500	514	97 -	23	535	85497	86007
UN76833	#	#	#	#	#	#	#	#	#	#	#
UN76834	Rsa1.0.00096.1	669	198773	1.00E-171	305	305	100 +	4	308	52292	52596
UN76835	Rsa1.0.00171.1	628	115622	1.00E-178	319	320	99 -	1	320	89577	89896
UN76836	Rsa1.0.20425.1	490	1306	0	483	491	98 +	1	490	560	1050
UN76837	Rsa1.0.00689.1	415	68305	1.00E-166	344	360	95 -	34	393	43611	43970
UN76838	Rsa1.0.00037.1	710	307838	1.00E-120	318	349	91 -	3	351	237974	238318
UN76839	Rsa1.0.26249.1	772	899	1.00E-120	222	223	99 -	25	247	319	541
UN76840	Rsa1.0.00373.1	592	90296	5.00E-73	257	295	87 -	3	288	80949	81240
UN76841	Rsa1.0.46437.1	784	486	1.00E-148	285	291	97 -	149	439	4	294
UN76842	Rsa1.0.00154.1	394	189461	0	393	393	100 -	2	394	21747	22139
UN76843	Rsa1.0.00667.1	459	69460	0	432	446	96 -	1	439	56753	57197
UN76844	Rsa1.0.00786.1	447	64285	0	360	370	97 -	1	369	21214	21583
UN76845	Rsa1.0.00009.1	100	232558	5.00E-50	100	100	100 -	1	100	124045	124144
UN76846	Rsa1.0.04793.1	603	15963	0	577	601	96 -	3	603	2203	2799
UN76847	Rsa1.0.01861.1	768	38031	0	484	519	93 +	38	556	29437	29937
UN76848	Rsa1.0.14277.1	548	3583	1.00E-167	303	305	99 -	1	305	653	957
UN76849	Rsa1.0.00159.1	802	431686	3.00E-87	164	164	100 +	538	701	14362	14525
UN76850	Rsa1.0.26339.1	606	896	2.00E-97	184	185	99 -	223	407	442	626
UN76851	Rsa1.0.00010.1	811	294827	0	443	446	99 -	3	448	155247	155692
UN76852	Rsa1.0.06615.1	768	10659	0	626	662	94 -	113	758	9446	10107
UN76853	Rsa1.0.00205.1	601	193401	3.00E-83	197	209	94 -	394	601	49916	50124
UN76854	Rsa1.0.00472.1	710	398134	1.00E-141	314	330	95 +	1	326	1725	2050
UN76855	Rsa1.0.00097.1	170	138858	2.00E-66	160	168	95 -	1	168	92491	92656
UN76856	Rsa1.0.01014.1	627	56762	0	508	514	98 +	2	514	40415	40928
UN76857	Rsa1.0.63538.1	606	361	2.00E-63	130	132	98 -	408	539	153	284
UN76858	Rsa1.0.00071.1	388	345714	1.00E-118	256	267	95 +	123	388	209825	210089
UN76859	Rsa1.0.71737.1	653	319	1.00E-155	286	289	98 -	160	448	1	289
UN76860	Rsa1.0.00332.1	494	94575	8.00E-99	216	227	95 +	45	271	78765	78991
UN76861	Rsa1.0.51210.1	738	444	0	378	387	97 +	344	730	1	387
UN76862	Rsa1.0.04272.1	808	18144	1.00E-150	293	299	97 +	3	299	13030	13325
UN76863	Rsa1.0.01150.1	557	52331	0	500	503	99 +	3	505	44364	44866
UN76864	Rsa1.0.01947.1	651	36977	1.00E-171	311	313	99 +	1	313	18692	19004
UN76865	Rsa1.0.00055.1	366	520193	7.00E-37	82	83	98 +	251	333	96845	96927
UN76866	Rsa1.0.00136.1	151	122464	7.00E-38	101	108	93 +	41	148	81629	81736
UN76867	Rsa1.0.30247.1	657	759	1.00E-117	220	222	99 -	266	487	364	585

UN76868	Rsa1.0.00891.1	682	60724	0	670	686	97 -	2	682	50655	51340
UN76869	Rsa1.0.00581.1	506	163575	0	482	505	95 +	2	506	27212	27716
UN76870	Rsa1.0.01194.1	465	51113	1.00E-115	222	226	98 -	236	461	27141	27366
UN76871	Rsa1.0.04349.1	605	17794	1.00E-135	253	256	98 +	76	331	12432	12687
UN76872	Rsa1.0.05279.1	839	14277	0	340	344	98 +	1	343	417	760
UN76873	Rsa1.0.03042.1	756	25803	0	445	446	99 +	1	446	13529	13974
UN76874	Rsa1.0.04489.1	155	17145	9.00E-59	145	155	93 -	1	155	14275	14429
UN76875	Rsa1.0.01185.1	469	149842	5.00E-54	150	164	91 +	155	318	132178	132341
UN76876	Rsa1.0.00123.1	668	325650	0	638	668	95 +	2	668	183232	183879
UN76877	Rsa1.0.75173.1	781	305	6.00E-70	138	139	99 +	3	141	167	305
UN76878	Rsa1.0.00604.1	584	146282	0	436	436	100 +	149	584	123280	123715
UN76879	Rsa1.0.03972.1	551	19787	1.00E-159	288	289	99 +	263	551	17753	18041
UN76880	Rsa1.0.00278.1	734	231896	0	625	658	94 -	1	648	154272	154909
UN76881	Rsa1.0.02112.1	575	34904	0	444	446	99 -	3	448	13838	14283
UN76882	Rsa1.0.01013.1	700	56822	0	639	696	91 -	5	700	7268	7963
UN76883	Rsa1.0.01311.1	660	48456	0	627	649	96 +	18	660	27583	28224
UN76884	Rsa1.0.08062.1	218	7978	1.00E-111	216	219	98 +	1	218	5528	5746
UN76885	Rsa1.0.04851.1	704	15719	0	680	691	98 +	3	690	772	1462
UN76886	Rsa1.0.00098.1	724	349239	0	716	726	98 -	3	724	241582	242304
UN76887	Rsa1.0.05496.1	692	13533	1.00E-142	299	312	95 -	207	518	2002	2307
UN76888	Rsa1.0.00139.1	437	357786	2.00E-99	193	195	98 -	3	195	130254	130448
UN76889	Rsa1.0.00037.1	853	307838	1.00E-95	197	202	97 +	653	853	136526	136727
UN76890	Rsa1.0.00087.1	774	761073	0	601	628	95 +	70	696	214427	215054
UN76891	Rsa1.0.03471.1	602	22678	1.00E-105	214	220	97 -	223	439	14969	15188
UN76892	Rsa1.0.26911.1	490	873	1.00E-100	200	205	97 -	286	490	250	454
UN76893	Rsa1.0.06465.1	891	10962	0	688	695	98 +	18	712	4224	4918
UN76894	Rsa1.0.00596.1	505	73578	0	487	490	99 -	3	491	8293	8782
UN76895	Rsa1.0.00463.1	281	189177	1.00E-50	123	130	94 +	152	281	169850	169979
UN76896	Rsa1.0.52744.1	212	432	1.00E-92	202	212	95 +	1	212	100	311
UN76897	Rsa1.0.04544.1	494	16917	0	491	494	99 -	1	494	13123	13615
UN76898	Rsa1.0.00301.1	541	365315	0	461	465	99 -	1	465	336618	337082
UN76899	Rsa1.0.01066.1	587	55235	0	384	385	99 +	1	385	19586	19970
UN76900	Rsa1.0.00302.1	794	97521	0	496	516	96 +	72	586	55526	56041
UN76901	Rsa1.0.29280.1	405	787	0	352	355	99 +	1	352	208	562
UN76902	Rsa1.0.00329.1	601	222544	1.00E-175	314	315	99 +	2	316	2646	2960
UN76903	Rsa1.0.00142.1	539	121474	0	425	441	96 -	4	443	101473	101912
UN76904	Rsa1.0.00181.1	122	114269	1.00E-41	113	122	92 +	1	122	93100	93221
UN76905	Rsa1.0.00016.1	688	831256	0	394	395	99 +	2	396	218858	219252
UN76906	Rsa1.0.00137.1	272	122457	2.00E-92	172	172	100 -	1	172	92000	92171

UN76907	Rsa1.0.00411.1	209	86944	3.00E-75	187	199	93 -	13	209	14672	14870
UN76908	Rsa1.0.00028.1	301	293984	1.00E-96	191	195	97 -	1	195	54910	55104
UN76909	Rsa1.0.00365.1	568	90902	1.00E-123	227	228	99 +	5	232	25489	25716
UN76910	Rsa1.0.00065.1	575	454616	0	432	448	96 +	1	448	169944	170386
UN76911	Rsa1.0.02006.1	738	36135	0	629	713	88 +	1	712	14711	15423
UN76912	Rsa1.0.03627.1	501	21658	1.00E-139	277	285	97 +	2	283	699	983
UN76913	Rsa1.0.00067.1	522	415055	1.00E-106	242	253	95 +	1	246	174430	174682
UN76914	Rsa1.0.00153.1	273	192931	1.00E-103	202	206	98 +	1	206	86684	86889
UN76915	Rsa1.0.01294.1	753	49090	0	401	412	97 -	45	454	36747	37156
UN76916	Rsa1.0.01811.1	705	38977	1.00E-110	241	254	94 +	452	705	18630	18883
UN76917	Rsa1.0.00509.1	711	78829	1.00E-117	277	296	93 +	7	302	18836	19126
UN76918	Rsa1.0.18532.1	634	1581	0	626	631	99 -	4	634	508	1138
UN76919	Rsa1.0.00952.1	569	58450	6.00E-57	261	309	84 -	262	569	48351	48644
UN76920	Rsa1.0.00608.1	762	172672	0	634	642	98 -	90	727	119810	120451
UN76921	Rsa1.0.01165.1	664	51898	1.00E-135	356	391	91 -	7	388	51405	51786
UN76922	Rsa1.0.28863.1	686	801	1.00E-163	340	356	95 +	1	356	446	801
UN76923	Rsa1.0.01310.1	777	164719	0	644	647	99 +	134	777	8717	9363
UN76924	Rsa1.0.00136.1	739	122464	0	738	740	99 +	1	739	49024	49763
UN76925	Rsa1.0.02392.1	715	152517	1.00E-67	134	135	99 -	167	301	9193	9327
UN76926	Rsa1.0.00049.1	702	167018	0	650	651	99 +	3	653	159843	160492
UN76927	Rsa1.0.03452.1	804	22817	0	754	779	96 +	37	803	2147	2925
UN76928	Rsa1.0.00648.1	756	70351	1.00E-172	306	306	100 -	451	756	12098	12403
UN76929	Rsa1.0.03560.1	718	22092	0	716	719	99 +	1	718	15104	15822
UN76930	Rsa1.0.23621.1	785	1036	0	764	782	97 -	2	782	13	794
UN76931	Rsa1.0.02244.1	790	33494	3.00E-93	187	190	98 -	2	191	15282	15470
UN76932	Rsa1.0.00829.1	600	158305	6.00E-60	130	134	97 -	43	176	39045	39178
UN76933	Rsa1.0.05739.1	569	12778	0	410	411	99 +	3	413	11297	11707
UN76934	Rsa1.0.01089.1	763	142191	1.00E-126	230	230	100 -	1	230	100519	100748
UN76935	Rsa1.0.00078.1	141	175053	9.00E-62	135	140	96 +	2	141	29861	30000
UN76936	Rsa1.0.00019.1	684	301669	0	565	604	93 -	70	663	295450	296053
UN76937	Rsa1.0.00985.1	535	161950	8.00E-13	57	63	90 -	236	298	138969	139031
UN76938	Rsa1.0.01513.1	813	44234	0	446	450	99 +	360	806	29142	29591
UN76939	Rsa1.0.00191.1	669	316976	1.00E-124	226	226	100 -	327	552	205056	205281
UN76940	Rsa1.0.02320.1	807	32575	2.00E-60	166	181	91 -	153	333	8479	8656
UN76941	Rsa1.0.11445.1	624	5505	0	491	508	96 +	58	562	4999	5505
UN76942	Rsa1.0.00060.1	128	502678	2.00E-53	118	122	96 +	7	128	398267	398388
UN76943	Rsa1.0.00035.1	570	176449	1.00E-130	244	247	98 -	115	361	25046	25292
UN76944	Rsa1.0.01459.1	522	45277	1.00E-125	252	259	97 -	25	281	23751	24009
UN76945	Rsa1.0.00740.1	525	215972	0	523	523	100 -	3	525	10144	10666

UN76946	Rsa1.0.00169.1	777	274298	1.00E-55	155	168	92 +	3	167	29008	29173
UN76947	Rsa1.0.17160.1	692	1903	1.00E-143	264	266	99 +	38	303	166	431
UN76948	Rsa1.0.16771.1	639	2040	0	458	478	95 -	3	475	1014	1491
UN76949	Rsa1.0.19199.1	702	1466	1.00E-136	255	258	98 +	445	702	1	258
UN76950	Rsa1.0.06444.1	683	11008	0	545	562	96 +	117	678	4798	5359
UN76951	Rsa1.0.01750.1	621	39816	0	409	430	95 -	3	430	29367	29792
UN76952	Rsa1.0.00001.1	564	363028	1.00E-136	264	270	97 -	295	564	226586	226855
UN76953	Rsa1.0.02932.1	569	26647	2.00E-87	167	168	99 -	92	259	18855	19022
UN76954	Rsa1.0.02247.1	746	33427	0	477	527	90 -	204	717	2214	2737
UN76955	Rsa1.0.07597.1	673	9055	1.00E-95	197	202	97 -	11	212	487	687
UN76956	Rsa1.0.00198.1	713	222963	0	361	368	98 +	251	618	63039	63405
UN76957	Rsa1.0.00094.1	601	139042	0	412	430	95 -	3	428	44857	45286
UN76958	Rsa1.0.03120.1	485	25269	8.00E-99	192	195	98 -	155	349	10849	11043
UN76959	Rsa1.0.28061.1	365	829	1.00E-164	353	368	95 -	2	364	147	514
UN76960	Rsa1.0.00070.1	552	150321	9.00E-56	117	119	98 +	40	158	82703	82821
UN76961	Rsa1.0.05634.1	803	13114	0	786	806	97 +	3	803	7006	7811
UN76962	Rsa1.0.06455.1	783	10983	8.00E-97	248	268	92 +	7	273	1049	1315
UN76963	Rsa1.0.00775.1	627	64793	0	526	556	94 +	3	552	6524	7079
UN76964	Rsa1.0.00593.1	525	143463	1.00E-109	219	225	97 -	165	389	55065	55289
UN76965	Rsa1.0.00253.1	459	231292	1.00E-162	380	408	93 -	13	418	113106	113512
UN76966	Rsa1.0.03149.1	622	24983	1.00E-154	288	292	98 -	3	294	15975	16266
UN76967	Rsa1.0.03713.1	614	21221	4.00E-67	170	182	93 -	437	612	2573	2754
UN76968	Rsa1.0.01632.1	746	181224	1.00E-129	332	359	92 -	4	355	3094	3445
UN76969	Rsa1.0.00898.1	798	202772	1.00E-115	211	211	100 +	71	281	171119	171329
UN76970	Rsa1.0.00398.1	620	88007	1.00E-130	269	280	96 +	337	616	34264	34543
UN76971	Rsa1.0.00724.1	559	66789	0	557	558	99 -	2	559	22679	23236
UN76972	Rsa1.0.00128.1	661	228675	1.00E-121	224	225	99 +	437	661	30290	30514
UN76973	Rsa1.0.01696.1	784	301850	0	526	529	99 -	258	784	279496	280024
UN76974	Rsa1.0.02991.1	691	26178	0	672	693	96 +	2	691	11143	11835
UN76975	Rsa1.0.00268.1	443	101470	0	442	443	99 +	2	443	5024	5466
UN76976	Rsa1.0.01932.1	591	37177	1.00E-98	186	187	99 -	241	427	12491	12677
UN76977	Rsa1.0.02748.1	498	28242	0	425	443	95 +	4	446	17585	18027
UN76978	Rsa1.0.00008.1	714	358124	1.00E-179	327	330	99 -	279	608	54899	55228
UN76979	Rsa1.0.00241.1	762	104000	0	423	435	97 +	30	464	11610	12041
UN76980	Rsa1.0.00089.1	687	406142	1.00E-171	337	348	96 -	340	687	58474	58821
UN76981	Rsa1.0.03688.1	621	143676	0	609	620	98 +	2	621	20	639
UN76982	Rsa1.0.00945.1	621	58714	0	593	620	95 +	2	619	23415	24030
UN76983	Rsa1.0.04253.1	798	18259	0	683	728	93 +	53	776	11268	11986
UN76984	Rsa1.0.00092.1	817	659932	1.00E-154	279	280	99 +	329	608	33334	33613

UN76985	Rsa1.0.01413.1	654	46275	0	651	655	99 +	1	654	38732	39386
UN76986	Rsa1.0.00817.1	396	62961	0	391	394	99 -	2	395	23197	23589
UN76987	Rsa1.0.05828.1	778	12499	0	378	380	99 +	3	382	12120	12499
UN76988	Rsa1.0.01920.1	577	158533	0	514	555	92 -	24	577	23106	23657
UN76989	Rsa1.0.25797.1	592	919	0	434	448	96 +	18	464	472	919
UN76990	#	#	#	#	#	#	#	#	#	#	#
UN76991	Rsa1.0.03133.1	551	25135	0	368	377	97 +	12	388	11855	12231
UN76992	Rsa1.0.01171.1	355	51752	1.00E-151	337	354	95 -	3	355	34391	34741
UN76993	Rsa1.0.01814.1	554	38917	1.00E-135	268	276	97 -	104	379	868	1143
UN76994	Rsa1.0.03002.1	550	26107	1.00E-117	243	255	95 +	308	550	16508	16762
UN76995	Rsa1.0.04646.1	604	16541	0	408	423	96 +	175	597	929	1351
UN76996	Rsa1.0.02804.1	604	27712	8.00E-81	153	153	100 -	5	157	10205	10357
UN76997	Rsa1.0.02898.1	333	26958	1.00E-108	204	206	99 +	3	208	3405	3610
UN76998	Rsa1.0.02969.1	569	26390	9.00E-90	168	168	100 +	3	170	11224	11391
UN76999	Rsa1.0.00390.1	493	88681	0	478	492	97 +	2	493	942	1433
UN77000	Rsa1.0.00752.1	544	65756	0	532	547	97 -	2	544	21995	22537
UN77001	Rsa1.0.01078.1	603	316910	0	576	603	95 +	3	599	131490	132092
UN77002	Rsa1.0.01046.1	466	152989	2.33E-156	281	287	97 -	180	466	100459	100745
UN77003	Rsa1.0.00870.1	631	61606	0	439	441	99 -	191	631	10630	11070
UN77004	Rsa1.0.00163.1	613	116847	0	442	456	96 +	146	601	84574	85029
UN77005	Rsa1.0.00089.1	739	406142	6.00E-73	149	152	98 +	293	444	228854	229005
UN77006	Rsa1.0.02981.1	655	26285	0	548	557	98 -	3	559	24725	25281
UN77007	Rsa1.0.00092.1	603	659932	1.00E-143	269	273	98 +	331	603	625640	625912
UN77008	Rsa1.0.09961.1	765	6064	0	348	351	99 -	2	352	1506	1856
UN77009	Rsa1.0.00119.1	748	467509	1.00E-159	310	317	97 -	24	339	208192	208508
UN77010	Rsa1.0.02874.1	736	27070	1.00E-120	234	239	97 -	322	560	462	700
UN77011	Rsa1.0.37757.1	615	597	1.00E-126	236	238	99 -	378	615	360	597
UN77012	Rsa1.0.01292.1	670	175783	3.00E-53	113	115	98 -	45	159	143420	143534
UN77013	Rsa1.0.02777.1	818	27986	1.00E-142	265	268	98 -	317	584	6968	7235
UN77014	Rsa1.0.02210.1	791	33857	0	767	799	95 -	1	791	30263	31059
UN77015	Rsa1.0.00107.1	365	431659	0	355	365	97 -	1	365	69464	69826
UN77016	Rsa1.0.00204.1	787	109056	1.00E-139	291	303	96 -	459	760	34383	34685
UN77017	Rsa1.0.00353.1	790	92242	1.00E-58	119	120	99 -	487	606	56357	56476
UN77018	Rsa1.0.01204.1	688	50843	1.00E-159	306	313	97 +	365	677	3687	3995
UN77019	Rsa1.0.03240.1	620	24429	1.00E-158	377	406	92 -	3	397	20695	21088
UN77020	Rsa1.0.00546.1	425	76523	1.00E-147	318	332	95 -	96	425	61708	62038
UN77021	Rsa1.0.00078.1	696	175053	0	596	622	95 -	9	626	99465	100072
UN77022	Rsa1.0.05776.1	419	12664	9.00E-77	158	162	97 +	1	162	10574	10735
UN77023	Rsa1.0.16771.1	780	2040	0	474	474	100 -	3	476	1039	1512

UN77024	Rsa1.0.00817.1	637	62961	1.00E-173	358	372	96 +	273	637	35509	35880
UN77025	Rsa1.0.00178.1	339	114861	1.00E-143	317	329	96 +	15	337	40406	40734
UN77026	Rsa1.0.00387.1	557	495407	5.00E-85	160	160	100 +	83	242	333609	333768
UN77027	Rsa1.0.00083.1	334	442773	0	332	334	99 -	1	334	327117	327450
UN77028	Rsa1.0.04200.1	549	18490	1.00E-141	266	270	98 -	3	272	16615	16884
UN77029	Rsa1.0.00325.1	656	95371	0	368	371	99 -	262	632	57594	57964
UN77030	Rsa1.0.03302.1	756	23898	0	364	372	97 -	142	513	21104	21475
UN77031	Rsa1.0.71605.1	628	320	1.00E-168	315	320	98 -	143	458	1	320
UN77032	Rsa1.0.00416.1	478	86772	0	472	479	98 -	1	478	8290	8768
UN77033	Rsa1.0.00551.1	568	76227	1.00E-122	225	226	99 +	334	559	61993	62218
UN77034	Rsa1.0.00329.1	693	222544	0	690	715	96 -	2	693	3696	4410
UN77035	Rsa1.0.00016.1	703	831256	0	565	575	98 -	122	695	220402	220976
UN77036	Rsa1.0.00015.1	623	561803	0	343	347	98 -	277	623	193444	193790
UN77037	Rsa1.0.01498.1	595	44558	1.00E-135	254	256	99 -	3	258	40974	41228
UN77038	Rsa1.0.33962.1	678	667	0	395	398	99 +	282	678	1	398
UN77039	Rsa1.0.00137.1	484	122457	1.00E-165	294	294	100 +	3	296	90125	90418
UN77040	Rsa1.0.00081.1	710	143261	0	705	706	99 -	1	706	118854	119559
UN77041	Rsa1.0.02783.1	785	27927	0	773	777	99 -	3	777	22554	23330
UN77042	Rsa1.0.00347.1	498	93048	3.00E-89	198	207	95 -	3	208	82151	82357
UN77043	Rsa1.0.01009.1	512	56922	1.00E-79	169	175	96 +	4	178	1611	1785
UN77044	Rsa1.0.00079.1	636	606987	1.00E-24	75	79	94 -	72	149	197455	197533
UN77045	Rsa1.0.02891.1	576	27010	1.00E-107	225	234	96 +	223	456	144	377
UN77046	Rsa1.0.01799.1	708	39127	1.00E-172	318	322	98 -	19	340	20083	20404
UN77047	Rsa1.0.00332.1	535	94575	0	410	412	99 -	3	414	80152	80562
UN77048	Rsa1.0.30667.1	710	748	1.00E-172	383	408	93 +	5	399	1	407
UN77049	Rsa1.0.28133.1	664	826	0	413	419	98 -	6	424	1	419
UN77050	Rsa1.0.00510.1	583	78718	0	441	455	96 -	1	455	28980	29433
UN77051	Rsa1.0.00356.1	700	91521	0	666	707	94 +	5	700	3887	4582
UN77052	Rsa1.0.02262.1	624	33239	2.00E-90	232	253	91 +	139	391	8748	9000
UN77053	Rsa1.0.03042.1	669	25803	0	585	585	100 -	85	669	15357	15941
UN77054	Rsa1.0.07115.1	650	9874	0	373	386	96 -	265	650	9501	9874
UN77055	Rsa1.0.00478.1	768	81419	0	762	767	99 -	3	768	44753	45519
UN77056	Rsa1.0.01411.1	811	46326	1.00E-150	272	273	99 -	4	276	25414	25686
UN77057	Rsa1.0.01881.1	615	37721	0	607	608	99 -	4	611	16909	17516
UN77058	Rsa1.0.00930.1	811	59224	0	630	699	90 +	1	676	36980	37663
UN77059	Rsa1.0.01756.1	612	39779	2.00E-72	145	147	98 -	3	149	10450	10596
UN77060	Rsa1.0.27096.1	576	866	1.00E-134	245	246	99 +	144	389	2	247
UN77061	Rsa1.0.00037.1	272	307838	6.00E-49	166	192	86 -	4	174	138521	138712
UN77062	Rsa1.0.01914.1	633	37354	5.00E-73	152	156	97 -	2	157	6652	6807

UN77063	#	#	#	#	#	#	#	#	#	#	#	#
UN77064	Rsa1.0_04298.1	315	147466	3.00E-91	185	190	97 -	5	194	10409	10598	
UN77065	Rsa1.0_00104.1	583	368722	0	513	528	97 +	56	583	153014	153541	
UN77066	Rsa1.0_06831.1	745	10294	0	334	335	99 -	412	745	4666	5000	
UN77067	Rsa1.0_00752.1	688	65756	0	602	626	96 -	2	624	59778	60403	
UN77068	Rsa1.0_00108.1	760	478491	0	712	758	93 -	15	758	460167	460913	
UN77069	Rsa1.0_03315.1	691	23797	0	365	367	99 +	3	369	1658	2024	
UN77070	Rsa1.0_00627.1	762	71566	0	526	544	96 +	220	762	18405	18948	
UN77071	Rsa1.0_01763.1	746	39659	1.00E-171	353	368	95 +	3	370	39292	39658	
UN77072	Rsa1.0_00364.1	652	90951	0	630	653	96 +	3	652	23873	24525	
UN77073	Rsa1.0_04784.1	701	15995	0	439	452	97 +	2	452	3938	4386	
UN77074	Rsa1.0_02803.1	673	27715	1.00E-104	217	225	96 -	211	435	8863	9087	
UN77075	Rsa1.0_06976.1	124	10073	2.00E-46	113	118	95 -	7	124	1516	1632	
UN77076	Rsa1.0_00009.1	756	232558	1.00E-49	101	101	100 -	99	199	107077	107177	
UN77077	Rsa1.0_01280.1	782	49321	4.00E-68	135	136	99 -	67	202	40537	40672	
UN77078	Rsa1.0_00810.1	842	63289	0	811	858	94 -	3	842	13288	14144	
UN77079	Rsa1.0_00040.1	753	324196	0	744	748	99 +	3	747	127850	128597	
UN77080	Rsa1.0_04411.1	696	142979	1.00E-159	297	301	98 -	4	304	3418	3718	
UN77081	Rsa1.0_02585.1	426	29865	1.00E-177	381	407	93 +	3	393	7725	8131	
UN77082	Rsa1.0_01015.1	730	56752	1.00E-112	220	225	97 +	277	501	1763	1987	
UN77083	Rsa1.0_00365.1	625	90902	7.00E-97	207	216	95 -	153	368	27949	28164	
UN77084	Rsa1.0_00163.1	621	116847	0	441	450	98 -	3	451	110185	110634	
UN77085	Rsa1.0_01844.1	726	38421	1.00E-178	355	368	96 +	3	370	14484	14851	
UN77086	Rsa1.0_03524.1	700	22297	1.00E-156	299	304	98 -	398	700	20856	21159	
UN77087	Rsa1.0_01509.1	678	44258	1.00E-104	215	221	97 -	404	623	36686	36906	
UN77088	Rsa1.0_00186.1	732	112669	0	375	383	97 -	350	732	78906	79288	
UN77089	Rsa1.0_06008.1	701	11950	1.00E-129	241	243	99 +	245	487	1578	1820	
UN77090	Rsa1.0_00089.1	687	406142	1.00E-152	333	354	94 +	3	344	358378	358731	
UN77091	Rsa1.0_01105.1	364	53958	4.00E-60	145	150	96 +	215	361	18431	18580	
UN77092	Rsa1.0_08272.1	556	7617	0	555	556	99 +	1	556	6679	7234	
UN77093	Rsa1.0_00672.1	754	69358	0	700	752	93 +	2	750	17122	17856	
UN77094	Rsa1.0_00017.1	673	752458	0	651	667	97 +	7	673	326078	326744	
UN77095	Rsa1.0_02406.1	548	145276	1.00E-100	188	189	99 +	301	489	12837	13025	
UN77096	Rsa1.0_06604.1	630	10681	1.00E-115	214	215	99 +	1	215	1732	1946	
UN77097	Rsa1.0_00001.1	266	363028	1.00E-127	257	266	96 +	1	266	140054	140319	
UN77098	Rsa1.0_01896.1	611	37512	0	589	611	96 +	1	611	31690	32300	
UN77099	Rsa1.0_04192.1	572	18572	0	363	366	99 -	3	368	7038	7403	
UN77100	Rsa1.0_06392.1	632	11104	0	451	453	99 +	1	453	5141	5593	
UN77101	Rsa1.0_07970.1	777	8156	0	383	395	96 -	27	421	370	764	

UN77102	Rsa1.0_00215.1	612	201775	0	604	610	99 -	3	612	27212	27821
UN77103	Rsa1.0_08539.1	577	7219	0	435	439	99 +	1	439	1427	1865
UN77104	Rsa1.0_00546.1	366	76523	2.00E-98	248	268	92 -	1	264	74240	74507
UN77105	Rsa1.0_00162.1	223	239935	9.00E-63	134	138	97 -	1	138	12315	12452
UN77106	Rsa1.0_00955.1	760	58358	0	736	762	96 +	3	760	40885	41645
UN77107	Rsa1.0_00925.1	641	59481	1.00E-114	234	240	97 -	6	242	9082	9321
UN77108	Rsa1.0_00463.1	834	189177	1.00E-168	355	368	96 -	5	371	116365	116729
UN77109	Rsa1.0_05569.1	539	13311	0	496	505	98 +	1	504	4075	4579
UN77110	Rsa1.0_00087.1	238	761073	1.00E-107	196	196	100 -	1	196	96049	96244
UN77111	Rsa1.0_01896.1	443	37512	1.00E-167	355	370	95 +	1	368	8724	9092
UN77112	Rsa1.0_00010.1	748	294827	1.00E-134	252	255	98 -	483	737	119168	119422
UN77113	Rsa1.0_00007.1	625	239325	0	383	398	96 +	56	453	119547	119941
UN77114	Rsa1.0_02334.1	202	32428	2.00E-88	198	210	94 -	1	202	16217	16426
UN77115	Rsa1.0_32652.1	472	697	1.00E-115	247	257	96 +	1	256	248	502
UN77116	Rsa1.0_00723.1	108	66806	1.00E-38	103	109	94 +	1	108	57992	58100
UN77117	Rsa1.0_14440.1	730	3390	8.00E-97	207	216	95 -	515	730	147	362
UN77118	Rsa1.0_00366.1	346	90880	1.00E-115	261	278	93 +	6	283	9279	9556
UN77119	Rsa1.0_00701.1	319	67691	1.00E-105	288	316	91 -	6	319	23315	23627
UN77120	Rsa1.0_00273.1	254	326186	1.00E-125	247	254	97 +	1	254	45992	46245
UN77121	Rsa1.0_00275.1	436	210104	7.00E-99	190	191	99 -	61	250	187122	187312
UN77122	Rsa1.0_00016.1	922	831256	0	711	743	95 +	188	922	828912	829654
UN77123	Rsa1.0_01701.1	695	162121	0	378	378	100 +	2	379	3929	4306
UN77124	Rsa1.0_04528.1	619	16958	0	600	619	96 -	1	619	14964	15582
UN77125	Rsa1.0_03162.1	265	24895	1.00E-118	236	243	97 -	2	244	22626	22868
UN77126	Rsa1.0_00076.1	354	146021	1.00E-133	296	311	95 -	1	310	40702	41009
UN77127	Rsa1.0_00524.1	153	169613	2.00E-53	141	150	94 -	4	153	155630	155777
UN77128	Rsa1.0_01331.1	101	47944	4.00E-29	92	101	91 -	1	101	19263	19363
UN77129	Rsa1.0_00201.1	187	232851	1.00E-86	180	186	96 -	1	186	39541	39726
UN77130	Rsa1.0_02105.1	631	156953	0	624	631	98 +	1	631	18367	18997
UN77131	Rsa1.0_00128.1	258	228675	1.00E-134	254	258	98 +	1	258	68977	69234
UN77132	Rsa1.0_00552.1	467	206757	0	351	360	97 +	2	361	18152	18511
UN77133	Rsa1.0_00090.1	621	273859	0	495	504	98 -	1	504	226124	226627
UN77134	Rsa1.0_01316.1	624	48325	0	621	624	99 -	1	624	8923	9546
UN77135	Rsa1.0_01441.1	631	45790	0	370	377	98 +	1	377	26414	26789
UN77136	Rsa1.0_05864.1	631	12387	1.00E-129	302	326	92 +	127	437	5877	6202
UN77137	Rsa1.0_00285.1	691	149638	1.00E-171	335	343	97 +	1	340	146469	146811
UN77138	Rsa1.0_67316.1	220	341	1.00E-121	220	220	100 +	1	220	25	244
UN77139	Rsa1.0_00268.1	660	101470	1.00E-112	230	237	97 +	1	237	59335	59569
UN77140	Rsa1.0_04262.1	876	18220	0	874	878	99 -	1	876	8784	9661

UN77141	Rsa1.0.00865.1	557	61686	0	532	565	94 +	7	557	20127	20691
UN77142	Rsa1.0.00038.1	703	314568	0	703	703	100 -	1	703	309813	310515
UN77143	Rsa1.0.02944.1	482	26553	0	442	444	99 -	3	446	5279	5722
UN77144	Rsa1.0.00961.1	752	58185	8.00E-97	206	212	97 +	83	294	18155	18364
UN77145	Rsa1.0.01306.1	702	48720	2.00E-91	192	199	96 -	151	349	755	953
UN77146	Rsa1.0.00204.1	328	109056	3.00E-82	185	194	95 -	4	195	59835	60028
UN77147	Rsa1.0.00719.1	614	66952	1.00E-129	287	301	95 -	3	301	44599	44897
UN77148	Rsa1.0.08666.1	278	7063	1.00E-126	266	277	96 +	1	276	2693	2969
UN77149	Rsa1.0.00782.1	159	64468	2.00E-38	105	113	92 -	34	146	14970	15082
UN77150	Rsa1.0.04450.1	691	17297	5.00E-95	198	205	96 -	487	691	12781	12985
UN77151	Rsa1.0.04434.1	723	17377	0	721	722	99 +	1	722	7282	8003
UN77152	Rsa1.0.72748.1	640	315	1.00E-170	312	315	99 +	269	583	1	315
UN77153	Rsa1.0.02976.1	517	26315	1.00E-164	331	344	96 +	1	344	15698	16041
UN77154	Rsa1.0.02869.1	796	27109	0	792	796	99 +	1	796	23646	24439
UN77155	Rsa1.0.01023.1	202	56571	1.00E-107	199	200	99 +	3	202	44769	44968
UN77156	Rsa1.0.00104.1	539	368722	0	531	539	98 -	1	539	68929	69467
UN77157	Rsa1.0.00307.1	106	199003	5.00E-44	99	102	97 +	1	102	171062	171163
UN77158	Rsa1.0.05661.1	665	13011	0	659	663	99 -	3	665	1333	1995
UN77159	Rsa1.0.02494.1	765	132923	0	523	579	90 -	187	765	1229	1807
UN77160	Rsa1.0.00677.1	317	69159	4.00E-44	119	127	93 +	1	127	62979	63104
UN77161	Rsa1.0.00453.1	699	83031	0	699	699	100 -	1	699	27584	28282
UN77162	Rsa1.0.00617.1	599	72199	1.00E-128	269	281	95 +	132	412	31502	31782
UN77163	Rsa1.0.01631.1	341	41882	1.00E-159	324	337	96 -	1	337	11729	12061
UN77164	Rsa1.0.02221.1	339	33796	6.00E-62	127	129	98 -	9	137	13010	13138
UN77165	Rsa1.0.00060.1	592	502678	0	576	590	97 +	3	592	223276	223865
UN77166	Rsa1.0.00211.1	818	228189	0	347	349	99 +	1	348	170007	170355
UN77167	Rsa1.0.05421.1	220	13806	6.00E-24	66	69	95 +	86	154	8188	8256
UN77168	Rsa1.0.04194.1	647	132734	1.00E-161	291	292	99 +	303	594	131500	131791
UN77169	Rsa1.0.00135.1	131	178077	2.00E-56	126	131	96 -	1	131	165812	165942
UN77170	Rsa1.0.03955.1	260	19884	1.00E-140	258	260	99 +	1	260	8399	8658
UN77171	Rsa1.0.01874.1	414	37853	0	400	414	96 -	1	414	21623	22036
UN77172	Rsa1.0.00278.1	482	231896	0	461	486	94 -	1	482	82607	83092
UN77173	Rsa1.0.01405.1	645	46445	0	630	647	97 +	1	645	37075	37721
UN77174	#	#	#	#	#	#	#	#	#	#	#
UN77175	Rsa1.0.02641.1	291	29191	3.00E-60	148	158	93 -	72	229	8894	9051
UN77176	Rsa1.0.00104.1	639	368722	0	401	404	99 +	1	404	239499	239902
UN77177	Rsa1.0.00246.1	739	103541	0	416	424	98 +	1	424	54253	54673
UN77178	Rsa1.0.00848.1	753	152362	0	587	611	96 +	146	753	54809	55419
UN77179	Rsa1.0.00660.1	724	69688	1.00E-147	283	289	97 +	3	291	52662	52946

UN77180	Rsa1.0.06169.1	313	11578	1.00E-161	307	312	98 -	1	312	1523	1833
UN77181	Rsa1.0.02888.1	623	27020	0	621	623	99 +	1	623	521	1143
UN77182	Rsa1.0.00152.1	207	257730	2.00E-51	121	127	95 -	1	127	229620	229746
UN77183	Rsa1.0.00019.1	564	301669	0	559	563	99 +	2	564	240897	241458
UN77184	Rsa1.0.00582.1	454	74333	0	445	455	97 -	1	454	23463	23917
UN77185	Rsa1.0.04689.1	717	16376	0	680	718	94 -	1	717	666	1375
UN77186	Rsa1.0.01322.1	795	48166	1.00E-116	218	220	99 +	2	221	899	1118
UN77187	Rsa1.0.08474.1	242	7298	1.00E-127	239	242	98 -	1	242	4345	4586
UN77188	Rsa1.0.00006.1	568	396176	0	539	567	95 -	3	568	99414	99970
UN77189	Rsa1.0.46217.1	304	488	3.00E-94	197	203	97 +	88	289	1	203
UN77190	Rsa1.0.05984.1	584	12031	0	371	387	95 +	1	387	8421	8807
UN77191	Rsa1.0.00789.1	401	64233	1.00E-111	213	216	98 +	1	216	43058	43273
UN77192	Rsa1.0.00576.1	763	178949	0	746	767	97 +	2	763	28617	29372
UN77193	Rsa1.0.00172.1	711	115476	0	677	707	95 -	7	711	19365	20070
UN77194	Rsa1.0.00115.1	210	131321	1.00E-64	168	181	92 +	1	181	51659	51833
UN77195	Rsa1.0.30803.1	775	744	1.00E-144	281	288	97 +	1	288	342	629
UN77196	Rsa1.0.01092.1	466	54348	0	448	465	96 +	3	466	22780	23233
UN77197	Rsa1.0.00100.1	776	249232	1.00E-180	352	360	97 +	413	770	196182	196541
UN77198	Rsa1.0.08439.1	674	7353	0	613	677	90 -	3	668	6621	7284
UN77199	Rsa1.0.00060.1	528	502678	1.00E-136	305	323	94 -	211	528	41701	42023
UN77200	Rsa1.0.00025.1	820	277312	0	780	844	92 -	1	820	44751	45583
UN77201	Rsa1.0.02545.1	795	30286	0	623	628	99 +	1	624	332	959
UN77202	Rsa1.0.00895.1	499	60615	1.00E-125	285	303	94 -	1	297	16603	16904
UN77203	Rsa1.0.02248.1	465	33414	0	437	467	93 +	1	465	6914	7373
UN77204	Rsa1.0.00869.1	175	61627	2.00E-66	155	164	94 +	1	164	54058	54221
UN77205	Rsa1.0.00464.1	355	82253	1.00E-69	223	253	88 +	114	355	10656	10908
UN77206	Rsa1.0.00111.1	552	390088	1.00E-166	308	312	98 -	1	312	91249	91560
UN77207	Rsa1.0.00115.1	479	131321	1.00E-76	182	194	93 -	286	479	105033	105226
UN77208	Rsa1.0.00377.1	374	90038	2.33E-156	281	287	97 -	2	288	18271	18557
UN77209	Rsa1.0.58793.1	732	389	1.00E-166	299	300	99 -	203	502	1	300
UN77210	Rsa1.0.01039.1	861	55946	1.00E-100	192	194	98 +	315	508	30281	30474
UN77211	#	#	#	#	#	#	#	#	#	#	#
UN77212	Rsa1.0.01865.1	753	37992	1.00E-139	260	263	98 -	491	753	29856	30118
UN77213	Rsa1.0.02460.1	765	31169	0	473	478	98 +	287	763	4093	4570
UN77214	Rsa1.0.03185.1	600	24739	1.00E-144	284	292	97 +	1	292	2923	3214
UN77215	Rsa1.0.01081.1	802	499226	0	494	495	99 +	1	495	332308	332802
UN77216	Rsa1.0.00053.1	345	263459	1.00E-166	335	346	96 +	1	343	110022	110367
UN77217	Rsa1.0.02379.1	253	150705	1.00E-115	240	250	96 -	4	253	147205	147454
UN77218	Rsa1.0.00351.1	765	413096	0	556	562	98 -	2	562	404087	404648

UN77219	Rsa1.0_00710.1	737	67325	0	397	410	96 -	328	737	43520	43929
UN77220	Rsa1.0_08259.1	395	7641	4.00E-66	131	132	99 +	165	296	2029	2160
UN77221	Rsa1.0_00028.1	690	293984	0	339	341	99 -	1	341	259291	259631
UN77222	Rsa1.0_00328.1	447	224661	1.00E-125	246	252	97 -	196	447	136539	136790
UN77223	Rsa1.0_09766.1	344	6162	1.00E-99	251	272	92 -	3	274	1828	2098
UN77224	Rsa1.0_03723.1	204	21173	2.00E-94	193	199	96 -	1	199	5563	5761
UN77225	Rsa1.0_04190.1	833	18581	0	378	379	99 -	426	804	4889	5267
UN77226	Rsa1.0_00962.1	664	184909	0	663	664	99 -	1	664	28010	28673
UN77227	Rsa1.0_15017.1	331	2889	1.00E-180	329	331	99 -	1	331	1540	1869
UN77228	Rsa1.0_00036.1	723	176186	0	415	419	99 -	1	419	172749	173167
UN77229	Rsa1.0_00370.1	465	90472	5.00E-57	189	212	89 +	9	218	23216	23426
UN77230	Rsa1.0_00011.1	647	225044	0	442	455	97 +	3	455	103660	104111
UN77231	Rsa1.0_01125.1	482	53193	1.00E-118	221	223	99 -	1	223	1920	2142
UN77232	#	#	#	#	#	#	#	#	#	#	#
UN77233	Rsa1.0_00204.1	649	109056	1.00E-95	187	190	98 -	214	403	45217	45406
UN77234	Rsa1.0_00023.1	179	194764	9.00E-78	171	179	95 -	1	179	180506	180684
UN77235	Rsa1.0_06445.1	430	11008	0	392	394	99 -	3	396	3583	3976
UN77236	Rsa1.0_00163.1	745	116847	0	721	733	98 -	3	735	85412	86144
UN77237	Rsa1.0_08706.1	316	7018	1.00E-108	239	252	94 +	1	244	5239	5490
UN77238	Rsa1.0_00921.1	215	59599	6.00E-67	144	149	96 -	1	149	129	277
UN77239	#	#	#	#	#	#	#	#	#	#	#
UN77240	Rsa1.0_01727.1	450	40243	0	438	453	96 -	3	450	24738	25190
UN77241	Rsa1.0_01159.1	132	52115	9.00E-31	77	80	96 -	46	125	31989	32068
UN77242	Rsa1.0_02494.1	747	132923	0	357	364	98 -	2	361	121412	121775
UN77243	Rsa1.0_00476.1	713	280966	1.00E-122	225	226	99 -	404	629	24617	24842
UN77244	Rsa1.0_02941.1	699	26583	0	680	715	95 -	1	699	17150	17862
UN77245	Rsa1.0_05505.1	632	13500	0	556	558	99 +	2	559	7244	7801
UN77246	Rsa1.0_00012.1	535	222148	1.00E-118	250	260	96 -	277	535	63253	63512
UN77247	Rsa1.0_00812.1	219	63233	6.00E-98	208	217	95 -	3	219	17670	17886
UN77248	Rsa1.0_08643.1	622	7095	0	507	512	99 +	12	522	6531	7041
UN77249	Rsa1.0_00080.1	361	190437	1.00E-161	344	361	95 +	1	361	104335	104691
UN77250	Rsa1.0_02099.1	270	35030	1.00E-96	195	199	97 -	17	214	2291	2489
UN77251	Rsa1.0_00896.1	701	60509	0	606	632	95 -	1	631	46155	46777
UN77252	Rsa1.0_01474.1	187	45070	9.00E-78	184	191	96 +	1	187	265	455
UN77253	Rsa1.0_01985.1	607	36491	0	535	542	98 -	1	538	16516	17057
UN77254	Rsa1.0_01466.1	612	45161	0	325	326	99 +	287	612	16726	17051
UN77255	Rsa1.0_05648.1	452	13049	0	445	447	99 -	2	448	2105	2551
UN77256	Rsa1.0_04140.1	542	18879	0	541	542	99 +	1	542	12414	12955
UN77257	Rsa1.0_00119.1	539	467509	0	502	507	99 +	33	539	261946	262452

UN77258	Rsa1.0.01294.1	548	49090	1.00E-129	267	277	96 +	272	548	27765	28039
UN77259	Rsa1.0.22167.1	757	1145	0	483	485	99 +	275	757	1	485
UN77260	Rsa1.0.03026.1	617	25888	0	615	616	99 -	2	617	12116	12731
UN77261	Rsa1.0.03781.1	131	20891	2.00E-34	107	117	91 +	17	131	5061	5177
UN77262	Rsa1.0.05680.1	238	12958	1.00E-37	83	84	98 +	7	90	4412	4495
UN77263	Rsa1.0.00711.1	592	67223	0	590	592	99 +	1	592	58357	58948
UN77264	Rsa1.0.16128.1	785	2271	1.00E-106	298	330	90 +	98	420	523	851
UN77265	Rsa1.0.00686.1	635	68511	0	633	635	99 +	1	635	15157	15791
UN77266	Rsa1.0.00168.1	714	115870	0	693	719	96 -	1	714	94465	95182
UN77267	Rsa1.0.03679.1	762	21409	0	746	771	96 -	3	762	13837	14607
UN77268	Rsa1.0.00784.1	709	64359	0	488	490	99 -	1	490	30359	30848
UN77269	Rsa1.0.02060.1	310	35528	1.00E-129	291	310	93 +	1	310	3535	3844
UN77270	Rsa1.0.00218.1	471	201480	1.00E-123	254	264	96 -	1	264	32812	33075
UN77271	Rsa1.0.14210.1	653	3660	1.00E-145	306	321	95 -	219	539	1299	1619
UN77272	Rsa1.0.01154.1	633	52249	0	602	630	95 -	1	627	15299	15927
UN77273	Rsa1.0.04194.1	554	132734	0	485	499	97 -	1	499	116698	117196
UN77274	Rsa1.0.00582.1	338	74333	2.33E-156	320	338	94 -	1	338	69125	69461
UN77275	Rsa1.0.00006.1	620	396176	1.00E-101	250	266	93 +	6	267	275895	276159
UN77276	Rsa1.0.01639.1	202	41850	2.00E-88	195	204	95 +	1	202	12786	12989
UN77277	Rsa1.0.00008.1	295	358124	1.00E-161	293	295	99 +	1	295	47640	47934
UN77278	Rsa1.0.04612.1	767	16647	1.00E-132	296	311	95 -	56	363	15528	15837
UN77279	Rsa1.0.00098.1	452	349239	1.00E-149	271	272	99 -	1	272	138894	139165
UN77280	Rsa1.0.03609.1	771	21798	0	432	437	98 +	60	495	6606	7042
UN77281	Rsa1.0.54692.1	704	417	3.00E-84	159	159	100 +	392	550	248	406
UN77282	Rsa1.0.00117.1	763	213118	0	580	581	99 +	1	581	70907	71487
UN77283	Rsa1.0.00517.1	455	142790	0	425	446	95 +	14	455	65137	65579
UN77284	Rsa1.0.02628.1	176	29369	1.00E-73	165	172	95 +	2	172	27706	27877
UN77285	Rsa1.0.00510.1	755	78718	0	752	754	99 -	3	755	56915	57668
UN77286	Rsa1.0.04355.1	494	146733	1.00E-162	295	297	99 -	198	494	9144	9440
UN77287	Rsa1.0.00965.1	332	58139	2.00E-70	190	207	91 -	3	207	9265	9462
UN77288	Rsa1.0.00549.1	738	76473	0	485	510	95 +	2	509	41782	42284
UN77289	Rsa1.0.00101.1	554	267193	1.00E-143	265	266	99 +	1	266	4444	4708
UN77290	Rsa1.0.04561.1	493	16849	0	361	361	100 +	2	362	5303	5663
UN77291	Rsa1.0.01251.1	367	49873	1.00E-93	186	190	97 +	1	190	48266	48455
UN77292	Rsa1.0.00195.1	194	251884	2.00E-63	174	189	92 -	1	185	83583	83771
UN77293	Rsa1.0.00224.1	758	327530	0	726	759	95 -	3	758	86601	87355
UN77294	Rsa1.0.01674.1	661	168300	8.00E-35	152	176	86 +	104	279	135798	135972
UN77295	Rsa1.0.00177.1	671	143394	0	614	622	98 +	1	621	79833	80454
UN77296	Rsa1.0.00083.1	113	442773	1.00E-41	101	106	95 +	1	106	261688	261793

UN77297	Rsa1.0.01144.1	141	52431	3.00E-52	131	140	93 -	2	141	24911	25050
UN77298	Rsa1.0.01013.1	316	56822	1.00E-151	303	313	96 +	1	310	22981	23293
UN77299	Rsa1.0.04059.1	471	19323	1.00E-145	302	316	95 +	93	408	11967	12282
UN77300	Rsa1.0.00823.1	555	62889	1.00E-131	259	266	97 +	285	550	37005	37270
UN77301	Rsa1.0.00440.1	233	84723	2.00E-76	210	231	90 +	1	231	25114	25341
UN77302	Rsa1.0.01173.1	355	51727	6.00E-99	192	195	98 +	1	195	2171	2365
UN77303	Rsa1.0.41025.1	714	547	0	398	402	99 -	16	417	146	547
UN77304	Rsa1.0.00790.1	716	148693	5.00E-61	138	144	95 -	556	699	19897	20040
UN77305	Rsa1.0.00930.1	635	59224	1.00E-109	203	204	99 -	1	204	49934	50137
UN77306	Rsa1.0.00397.1	325	88189	2.00E-34	78	79	98 +	1	79	48821	48899
UN77307	Rsa1.0.07565.1	191	9122	6.00E-79	176	185	95 -	1	185	5133	5317
UN77308	Rsa1.0.01339.1	576	47813	1.00E-145	292	301	97 -	119	418	29690	29990
UN77309	Rsa1.0.00090.1	393	273859	0	375	386	97 -	8	393	232513	232898
UN77310	Rsa1.0.01660.1	294	41400	1.00E-120	272	290	93 +	4	293	34630	34919
UN77311	Rsa1.0.00087.1	171	761073	3.00E-68	161	171	94 +	1	171	239515	239685
UN77312	Rsa1.0.00295.1	816	152597	0	423	445	95 -	1	440	87629	88067
UN77313	Rsa1.0.28780.1	752	803	1.00E-153	283	286	98 -	1	286	1	286
UN77314	Rsa1.0.02526.1	741	30479	0	416	417	99 +	1	417	13242	13658
UN77315	Rsa1.0.10275.1	670	5907	0	485	486	99 -	1	486	4812	5297
UN77316	Rsa1.0.00481.1	150	81316	3.00E-52	137	148	92 -	3	150	42495	42642
UN77317	Rsa1.0.00484.1	207	203294	1.00E-30	71	72	98 +	29	100	51534	51605
UN77318	Rsa1.0.03044.1	790	25791	0	787	790	99 -	1	790	22685	23474
UN77319	Rsa1.0.00201.1	835	232851	1.00E-118	219	220	99 +	333	552	130816	131035
UN77320	Rsa1.0.00371.1	701	90463	1.00E-179	364	377	96 +	1	375	73351	73726
UN77321	Rsa1.0.01476.1	141	172928	6.00E-72	140	141	99 +	1	141	6320	6460
UN77322	Rsa1.0.00064.1	550	240927	0	549	549	100 +	2	550	219806	220354
UN77323	Rsa1.0.01523.1	767	43959	0	594	600	99 +	1	600	26577	27173
UN77324	Rsa1.0.00347.1	592	93048	0	572	594	96 -	1	592	34325	34913
UN77325	Rsa1.0.00017.1	395	752458	0	393	395	99 -	1	395	361446	361840
UN77326	Rsa1.0.00097.1	785	138858	0	783	785	99 -	1	785	29983	30767
UN77327	Rsa1.0.04248.1	695	18287	1.00E-169	304	305	99 +	1	305	11657	11961
UN77328	Rsa1.0.00782.1	634	64468	0	377	394	95 -	74	464	28205	28598
UN77329	Rsa1.0.03302.1	739	23898	0	367	369	99 +	1	369	6059	6427
UN77330	Rsa1.0.26211.1	468	901	9.00E-71	192	208	92 -	33	235	696	901
UN77331	Rsa1.0.09598.1	615	6261	0	614	615	99 -	1	615	1407	2021
UN77332	Rsa1.0.00223.1	783	106231	1.00E-138	272	278	97 +	507	783	71137	71414
UN77333	Rsa1.0.03350.1	362	23522	9.00E-58	123	126	97 +	202	327	20513	20638
UN77334	Rsa1.0.00848.1	152	152362	1.00E-39	86	87	98 +	2	88	39699	39785
UN77335	Rsa1.0.02159.1	593	34471	1.00E-159	385	418	92 +	10	417	29809	30223

UN77336	Rsa1.0.02593.1	807	29744	1.00E-172	363	382	95 +	92	473	13584	13965
UN77337	Rsa1.0.07767.1	722	8609	1.00E-148	275	278	98 +	412	689	6083	6360
UN77338	Rsa1.0.00336.1	243	445051	1.00E-116	235	243	96 +	1	243	164250	164492
UN77339	Rsa1.0.01416.1	734	46262	1.00E-147	285	291	97 +	1	288	28738	29028
UN77340	Rsa1.0.00008.1	634	358124	0	615	632	97 -	3	634	63020	63651
UN77341	Rsa1.0.00089.1	631	406142	4.00E-86	215	230	93 -	1	226	342938	343164
UN77342	Rsa1.0.01005.1	489	56967	1.00E-168	330	340	97 +	120	459	5119	5458
UN77343	Rsa1.0.00582.1	629	74333	0	430	434	99 +	1	434	27653	28086
UN77344	Rsa1.0.00003.1	788	340054	0	787	788	99 +	1	788	276904	277691
UN77345	Rsa1.0.04428.1	415	17399	1.00E-137	359	395	90 +	21	415	10017	10390
UN77346	Rsa1.0.00976.1	386	57809	0	375	390	96 -	1	386	8269	8657
UN77347	Rsa1.0.00190.1	691	318240	0	669	698	95 -	3	691	94349	95046
UN77348	Rsa1.0.01405.1	578	46445	0	538	560	96 +	1	548	20680	21238
UN77349	Rsa1.0.00006.1	595	396176	1.00E-76	203	222	91 +	288	509	195777	195998
UN77350	Rsa1.0.04070.1	409	19244	0	401	409	98 -	1	409	2731	3139
UN77351	Rsa1.0.00914.1	654	59880	1.00E-174	316	317	99 +	1	316	3335	3651
UN77352	Rsa1.0.00303.1	172	97468	2.00E-57	134	141	95 +	1	141	8141	8281
UN77353	Rsa1.0.04808.1	445	15893	0	442	445	99 +	1	445	11475	11919
UN77354	Rsa1.0.00322.1	270	212233	1.00E-80	208	223	93 -	1	223	73895	74108
UN77355	Rsa1.0.00154.1	586	189461	0	468	485	96 -	105	586	171033	171515
UN77356	Rsa1.0.02663.1	290	169243	1.00E-126	268	280	95 +	9	287	26619	26898
UN77357	Rsa1.0.00139.1	141	357786	5.00E-60	135	141	95 +	1	141	16946	17086
UN77358	Rsa1.0.04674.1	645	139859	0	623	626	99 -	1	626	8514	9139
UN77359	Rsa1.0.11760.1	758	5417	0	361	363	99 +	200	562	5055	5417
UN77360	Rsa1.0.01854.1	781	38237	0	330	330	100 -	344	673	19212	19541
UN77361	Rsa1.0.05360.1	280	14053	3.00E-51	115	119	96 +	83	201	13854	13972
UN77362	Rsa1.0.01996.1	717	36327	0	716	718	99 -	1	717	2555	3272
UN77363	Rsa1.0.00235.1	678	154696	0	410	410	100 +	3	412	146397	146806
UN77364	Rsa1.0.00018.1	678	410899	0	597	616	96 +	1	616	50186	50801
UN77365	Rsa1.0.06445.1	686	11008	0	544	544	100 +	3	546	2260	2803
UN77366	Rsa1.0.01279.1	707	180330	0	401	403	99 -	200	602	156343	156745
UN77367	Rsa1.0.01593.1	738	150996	5.00E-58	124	127	97 -	558	684	150168	150294
UN77368	Rsa1.0.00163.1	733	116847	0	571	574	99 +	119	692	84574	85147
UN77369	Rsa1.0.03263.1	694	24268	1.00E-124	229	230	99 -	465	694	3648	3877
UN77370	Rsa1.0.09124.1	748	6625	1.00E-161	335	350	95 -	4	350	5197	5546
UN77371	Rsa1.0.02550.1	686	291051	1.00E-129	278	291	95 +	148	432	4883	5173
UN77372	Rsa1.0.01946.1	740	36982	1.00E-112	219	222	98 -	520	740	36619	36840
UN77373	Rsa1.0.00782.1	559	64468	9.00E-53	109	110	99 +	68	177	14774	14883
UN77374	Rsa1.0.13825.1	810	4257	0	343	345	99 -	263	607	1661	2005

UN77375	Rsa1.0.01191.1	194	51235	2.00E-57	119	121	98 +	1	121	49940	50060
UN77376	Rsa1.0.01476.1	601	172928	0	464	485	95 -	117	601	12667	13151
UN77377	Rsa1.0.00816.1	717	403350	0	531	540	98 -	2	541	130934	131473
UN77378	Rsa1.0.00121.1	426	278029	0	421	432	97 -	3	426	57710	58140
UN77379	Rsa1.0.04450.1	679	17297	0	568	607	93 +	95	678	11963	12569
UN77380	Rsa1.0.22808.1	748	1092	0	441	448	98 +	305	748	1	448
UN77381	Rsa1.0.01740.1	744	39986	1.00E-172	321	326	98 +	419	744	13886	14211
UN77382	Rsa1.0.07481.1	608	9280	1.00E-124	279	294	94 -	95	381	4723	5016
UN77383	Rsa1.0.13348.1	744	4900	1.00E-151	625	743	84 +	2	744	4053	4795
UN77384	Rsa1.0.04931.1	495	15412	0	401	401	100 -	95	495	8818	9218
UN77385	Rsa1.0.00605.1	670	73199	0	334	338	98 -	88	425	54435	54772
UN77386	Rsa1.0.02248.1	666	33414	0	389	390	99 -	63	452	8597	8986
UN77387	Rsa1.0.00464.1	747	82253	1.00E-117	229	234	97 -	354	587	11323	11556
UN77388	Rsa1.0.00014.1	670	348985	0	590	608	97 -	57	654	169147	169754
UN77389	Rsa1.0.01168.1	472	153765	1.00E-54	115	117	98 -	36	152	24410	24526
UN77390	Rsa1.0.00554.1	446	150953	1.00E-105	223	233	95 +	121	353	119528	119760
UN77391	Rsa1.0.00816.1	441	403350	1.00E-176	340	349	97 +	4	352	111934	112282
UN77392	Rsa1.0.00016.1	770	831256	0	769	771	99 -	2	770	378169	378939
UN77393	Rsa1.0.14400.1	587	3430	0	569	592	96 +	2	587	80	670
UN77394	Rsa1.0.02568.1	546	30015	1.00E-162	289	289	100 -	258	546	10733	11021
UN77395	Rsa1.0.00098.1	737	349239	0	370	371	99 +	3	373	136750	137120
UN77396	Rsa1.0.08985.1	724	6734	0	722	723	99 +	2	724	4291	5013
UN77397	Rsa1.0.00198.1	760	222963	0	442	465	95 -	296	759	176403	176864
UN77398	Rsa1.0.02625.1	647	139104	0	642	646	99 -	2	647	22196	22841
UN77399	Rsa1.0.00163.1	420	116847	3.00E-67	184	200	92 +	3	198	10520	10719
UN77400	Rsa1.0.00848.1	724	152362	1.00E-157	406	442	91 -	6	431	12268	12701
UN77401	Rsa1.0.01090.1	747	54385	0	523	544	96 +	2	545	3241	3776
UN77402	Rsa1.0.00104.1	700	368722	0	437	437	100 -	150	586	241249	241685
UN77403	Rsa1.0.00246.1	652	103541	0	582	621	93 -	54	652	55385	56005
UN77404	Rsa1.0.00848.1	709	152362	1.00E-158	283	283	100 -	92	374	56229	56511
UN77405	Rsa1.0.05499.1	672	13520	0	632	661	95 +	13	672	4233	4889
UN77406	Rsa1.0.02687.1	613	28648	0	402	429	93 -	1	427	26276	26685
UN77407	Rsa1.0.29830.1	356	770	1.00E-133	326	356	91 -	1	356	195	535
UN77408	Rsa1.0.08661.1	152	7068	1.00E-60	142	150	94 -	1	150	5241	5390
UN77409	Rsa1.0.07584.1	837	9081	0	631	632	99 -	3	633	2681	3312
UN77410	Rsa1.0.00190.1	802	318240	2.00E-85	254	287	88 +	3	289	10034	10304
UN77411	Rsa1.0.00132.1	676	124299	0	578	581	99 +	96	676	65243	65823
UN77412	Rsa1.0.03423.1	220	23064	6.00E-61	128	131	97 -	89	219	11187	11317
UN77413	Rsa1.0.01762.1	674	39682	0	646	686	94 -	2	674	11228	11909

UN77414	Rsa1.0.02888.1	546	27020	0	520	547	95 -	1	546	1925	2467
UN77415	Rsa1.0.00234.1	735	197060	1.00E-115	268	287	93 +	348	634	79633	79919
UN77416	Rsa1.0.00042.1	598	171507	0	596	600	99 +	1	598	50990	51589
UN77417	Rsa1.0.00019.1	449	301669	1.00E-130	239	240	99 -	1	240	243058	243297
UN77418	Rsa1.0.28368.1	531	818	2.00E-84	187	195	95 -	338	531	512	706
UN77419	Rsa1.0.02579.1	667	29923	0	540	541	99 -	3	543	939	1479
UN77420	Rsa1.0.01316.1	665	48325	0	662	663	99 +	3	665	8099	8761
UN77421	Rsa1.0.00111.1	422	390088	0	409	429	95 -	2	422	374303	374731
UN77422	Rsa1.0.05864.1	578	12387	1.00E-113	231	239	96 -	2	240	7543	7781
UN77423	Rsa1.0.00268.1	619	101470	1.00E-159	285	285	100 -	1	285	61574	61858
UN77424	Rsa1.0.00157.1	587	245832	2.33E-156	266	267	99 -	3	269	66739	67005
UN77425	Rsa1.0.01419.1	598	167402	1.00E-156	353	375	94 +	3	365	129693	130066
UN77426	Rsa1.0.03943.1	732	19931	0	444	445	99 +	288	732	7329	7773
UN77427	Rsa1.0.00601.1	351	177045	1.00E-155	349	361	96 +	1	351	167697	168057
UN77428	Rsa1.0.08474.1	680	7298	0	677	682	99 +	1	680	3134	3815
UN77429	Rsa1.0.01920.1	618	158533	3.00E-83	160	161	99 +	454	614	134427	134587
UN77430	Rsa1.0.02109.1	330	34925	1.00E-125	294	315	93 -	17	330	34611	34925
UN77431	Rsa1.0.00205.1	585	193401	0	357	360	99 -	3	359	60950	61309
UN77432	Rsa1.0.15290.1	482	2707	0	480	483	99 +	3	482	692	1174
UN77433	Rsa1.0.00838.1	667	153820	0	550	574	95 +	55	628	7812	8379
UN77434	Rsa1.0.08165.1	587	7806	0	340	341	99 +	3	343	3544	3884
UN77435	Rsa1.0.00211.1	641	228189	1.00E-180	322	323	99 -	61	383	145428	145750
UN77436	Rsa1.0.00617.1	645	72199	0	629	643	97 -	3	645	32230	32872
UN77437	Rsa1.0.00451.1	731	322533	1.00E-64	238	271	87 -	138	400	295575	295841
UN77438	Rsa1.0.00279.1	711	100039	7.00E-88	183	189	96 +	246	434	22217	22405
UN77439	Rsa1.0.04456.1	748	17260	5.00E-67	154	162	95 +	306	467	15066	15227
UN77440	Rsa1.0.46741.1	733	483	1.00E-144	263	264	99 +	275	538	2	265
UN77441	Rsa1.0.04483.1	563	17174	0	479	480	99 -	49	528	10674	11153
UN77442	Rsa1.0.04055.1	775	19354	0	465	466	99 -	3	468	12649	13114
UN77443	Rsa1.0.00295.1	774	152597	8.00E-91	247	274	90 +	139	412	139476	139725
UN77444	Rsa1.0.02732.1	413	28372	2.00E-87	167	168	99 -	246	413	6103	6270
UN77445	Rsa1.0.38122.1	776	591	2.33E-156	292	299	97 +	477	773	107	405
UN77446	Rsa1.0.03607.1	741	21817	1.00E-49	107	109	98 +	147	255	1914	2022
UN77447	Rsa1.0.01701.1	756	162121	0	464	472	98 -	291	756	4692	5163
UN77448	Rsa1.0.00107.1	649	431659	0	625	628	99 +	3	629	144954	145581
UN77449	Rsa1.0.00026.1	609	327835	1.00E-117	314	345	91 -	279	609	209479	209819
UN77450	Rsa1.0.02494.1	741	132923	8.00E-97	183	184	99 +	380	563	119928	120111
UN77451	Rsa1.0.00731.1	710	66638	3.00E-50	114	118	96 +	485	602	11796	11913
UN77452	Rsa1.0.00576.1	728	178949	1.00E-161	297	300	99 -	245	544	41064	41363

UN77453	Rsa1.0.01578.1	631	42880	1.00E-116	213	213	100 -	3	215	5804	6016
UN77454	Rsa1.0.00748.1	755	65983	1.00E-166	406	442	91 -	2	439	11037	11464
UN77455	Rsa1.0.00096.1	628	198773	0	382	396	96 +	11	403	98879	99274
UN77456	Rsa1.0.00078.1	751	175053	0	718	738	97 +	2	732	35756	36493
UN77457	Rsa1.0.00582.1	438	74333	1.00E-144	313	331	94 +	11	341	56228	56558
UN77458	Rsa1.0.00848.1	747	152362	1.00E-77	154	156	98 +	90	245	36481	36636
UN77459	Rsa1.0.08349.1	646	7494	0	642	644	99 -	3	646	3027	3669
UN77460	Rsa1.0.02987.1	781	26196	0	394	408	96 +	3	410	20199	20606
UN77461	Rsa1.0.00090.1	665	273859	0	615	647	95 +	19	665	224720	225366
UN77462	Rsa1.0.00807.1	250	63607	2.00E-73	140	140	100 -	1	140	56240	56379
UN77463	Rsa1.0.00252.1	764	102760	0	387	394	98 +	367	754	57256	57649
UN77464	Rsa1.0.00370.1	170	90472	4.00E-61	164	174	94 -	2	170	5554	5727
UN77465	Rsa1.0.15117.1	449	2814	4.00E-76	163	169	96 -	281	449	1603	1771
UN77466	Rsa1.0.21595.1	221	1188	1.00E-122	221	221	100 -	1	221	2	222
UN77467	Rsa1.0.01110.1	557	195852	1.00E-101	187	187	100 -	3	189	18911	19097
UN77468	Rsa1.0.02073.1	589	35386	0	585	588	99 +	3	589	20099	20686
UN77469	Rsa1.0.00154.1	557	189461	0	365	373	97 -	80	452	72024	72396
UN77470	Rsa1.0.01466.1	116	45161	3.00E-55	112	113	99 -	1	113	17935	18047
UN77471	Rsa1.0.05648.1	591	13049	1.00E-113	207	207	100 +	3	209	445	651
UN77472	Rsa1.0.07287.1	167	9615	4.00E-52	111	112	99 -	57	167	8772	8883
UN77473	Rsa1.0.04440.1	622	17347	0	357	357	100 +	183	539	12007	12363
UN77474	Rsa1.0.00727.1	446	66724	1.00E-121	244	252	96 +	159	404	45463	45714
UN77475	Rsa1.0.02339.1	793	32389	0	685	747	91 +	2	743	800	1545
UN77476	Rsa1.0.00621.1	263	71840	1.00E-124	252	261	96 +	3	263	56857	57117
UN77477	Rsa1.0.04140.1	710	18879	0	693	704	98 -	2	704	13291	13991
UN77478	Rsa1.0.00270.1	788	101236	0	341	345	98 +	129	473	41194	41538
UN77479	Rsa1.0.06694.1	147	10526	2.00E-75	146	147	99 -	1	147	3865	4011
UN77480	Rsa1.0.04439.1	724	17348	1.00E-109	249	261	95 -	466	724	8783	9042
UN77481	Rsa1.0.03426.1	765	23010	0	646	646	100 +	117	762	5215	5860
UN77482	Rsa1.0.00690.1	788	140527	1.00E-109	201	201	100 +	1	201	29939	30139
UN77483	Rsa1.0.00131.1	694	432233	1.00E-83	158	158	100 +	10	167	119025	119182
UN77484	Rsa1.0.01294.1	752	49090	0	423	441	95 -	3	438	29163	29600
UN77485	Rsa1.0.00062.1	651	299291	0	501	514	97 -	136	648	267268	267781
UN77486	Rsa1.0.01264.1	724	49697	1.00E-164	352	371	94 +	286	653	25052	25422
UN77487	Rsa1.0.01322.1	684	48166	6.00E-82	170	175	97 -	1	175	3555	3729
UN77488	Rsa1.0.05984.1	235	12031	1.00E-125	233	234	99 -	3	235	10537	10770
UN77489	Rsa1.0.00217.1	143	107079	5.00E-51	137	142	96 +	7	143	99756	99897
UN77490	Rsa1.0.00263.1	548	224968	0	532	546	97 +	2	546	177319	177864
UN77491	Rsa1.0.03781.1	729	20891	0	437	461	94 -	260	714	5104	5562

UN77492	Rsa1.0.00015.1	762	561803	5.00E-95	231	249	92 -	221	469	180165	180413
UN77493	Rsa1.0.01997.1	696	158416	0	677	694	97 -	1	694	3921	4611
UN77494	Rsa1.0.00026.1	357	327835	2.00E-68	180	194	92 +	3	187	191709	191902
UN77495	Rsa1.0.03625.1	588	21692	0	580	590	98 -	1	588	14739	15328
UN77496	Rsa1.0.06375.1	513	11136	0	505	513	98 -	1	513	1356	1867
UN77497	Rsa1.0.04248.1	810	18287	0	791	811	97 -	1	807	9104	9905
UN77498	Rsa1.0.00108.1	183	478491	3.00E-56	162	179	90 +	1	179	304015	304193
UN77499	Rsa1.0.00037.1	691	307838	0	678	691	98 +	1	691	196581	197267
UN77500	Rsa1.0.00552.1	625	206757	0	609	628	96 +	1	625	190336	190960
UN77501	Rsa1.0.04845.1	368	15747	6.00E-56	120	123	97 -	229	351	5894	6016
UN77502	Rsa1.0.00413.1	699	86921	0	694	697	99 +	3	699	62619	63315
UN77503	Rsa1.0.00865.1	765	61686	0	745	768	97 -	3	765	20632	21396
UN77504	Rsa1.0.00876.1	756	61328	1.00E-164	296	297	99 +	51	347	49380	49676
UN77505	Rsa1.0.01679.1	274	146876	4.00E-81	153	153	100 -	4	156	137497	137649
UN77506	Rsa1.0.08910.1	577	6798	9.00E-56	114	115	99 -	134	248	2631	2745
UN77507	Rsa1.0.00871.1	714	61539	1.00E-156	309	317	97 +	46	362	22918	23229
UN77508	Rsa1.0.16307.1	691	2206	2.00E-72	166	175	94 +	186	360	736	910
UN77509	Rsa1.0.02438.1	745	31392	1.00E-141	274	279	98 -	3	280	25130	25408
UN77510	Rsa1.0.02287.1	697	32986	1.00E-131	252	257	98 -	153	409	9407	9663
UN77511	Rsa1.0.01129.1	677	52949	0	600	610	98 +	3	612	13957	14560
UN77512	Rsa1.0.00065.1	726	454616	7.00E-88	165	165	100 -	3	167	202214	202378
UN77513	Rsa1.0.00223.1	668	106231	1.00E-165	333	345	96 +	3	347	39814	40155
UN77514	Rsa1.0.00417.1	339	395068	0	337	338	99 +	2	339	10102	10439
UN77515	Rsa1.0.00103.1	691	135304	1.00E-150	552	645	85 -	36	679	15447	16091
UN77516	Rsa1.0.00013.1	700	292129	0	404	411	98 -	3	413	96084	96494
UN77517	Rsa1.0.03157.1	775	24955	1.00E-114	209	209	100 +	3	211	958	1166
UN77518	Rsa1.0.00037.1	311	307838	1.00E-151	271	271	100 -	41	311	253110	253380
UN77519	Rsa1.0.00127.1	760	127446	0	634	638	99 +	124	760	55236	55873
UN77520	Rsa1.0.00976.1	207	57809	3.00E-62	140	145	96 +	64	207	6518	6662
UN77521	Rsa1.0.04081.1	613	19193	2.33E-156	266	267	99 -	166	432	6290	6556
UN77522	Rsa1.0.11428.1	724	5511	1.00E-130	239	240	99 +	485	724	4231	4470
UN77523	Rsa1.0.00322.1	707	212233	4.00E-49	100	100	100 +	195	294	72088	72187
UN77524	Rsa1.0.01319.1	694	48273	1.00E-171	323	328	98 +	366	692	11310	11637
UN77525	Rsa1.0.02976.1	751	26315	5.00E-98	207	214	96 -	318	530	16565	16778
UN77526	Rsa1.0.02869.1	792	27109	0	778	786	98 -	3	781	24257	25042
UN77527	Rsa1.0.00059.1	747	159650	1.00E-156	460	525	87 +	3	491	121107	121628
UN77528	Rsa1.0.00055.1	525	520193	1.00E-158	356	380	93 +	146	525	407399	407775
UN77529	Rsa1.0.01179.1	481	51549	0	369	374	98 -	110	481	42529	42902
UN77530	Rsa1.0.01786.1	808	133324	0	772	782	98 -	2	773	118370	119151

UN77531	Rsa1.0.01023.1	760	56571	0	527	563	93 -	3	562	46357	46905
UN77532	Rsa1.0.02082.1	642	35228	0	570	579	98 -	53	631	3120	3698
UN77533	Rsa1.0.00765.1	103	65029	7.00E-37	102	106	96 -	1	103	34019	34124
UN77534	Rsa1.0.04623.1	732	16617	1.00E-110	248	262	94 +	21	280	1669	1930
UN77535	Rsa1.0.05661.1	780	13011	0	563	582	96 +	94	672	664	1239
UN77536	Rsa1.0.00205.1	718	193401	1.00E-112	215	218	98 -	478	695	43355	43572
UN77537	Rsa1.0.00054.1	717	162053	1.00E-73	366	442	82 -	2	404	86454	86886
UN77538	Rsa1.0.00100.1	581	249232	0	580	581	99 +	1	581	138598	139178
UN77539	Rsa1.0.22948.1	631	1082	4.00E-83	173	176	98 -	3	176	176	350
UN77540	Rsa1.0.43374.1	425	518	1.00E-173	314	316	99 +	109	424	203	518
UN77541	Rsa1.0.01039.1	430	55946	1.00E-104	267	289	92 -	131	415	31616	31902
UN77542	Rsa1.0.00882.1	698	61249	0	329	329	100 +	3	331	49079	49407
UN77543	Rsa1.0.15290.1	639	2707	1.00E-157	355	379	93 -	1	376	2162	2540
UN77544	Rsa1.0.08165.1	248	7806	1.00E-130	241	243	99 -	3	245	6948	7190
UN77545	Rsa1.0.01116.1	228	142088	2.00E-82	188	199	94 +	5	203	132931	133129
UN77546	Rsa1.0.01078.1	356	316910	0	354	357	99 -	1	356	293424	293780
UN77547	Rsa1.0.61764.1	870	371	0	359	371	96 -	265	635	1	371
UN77548	Rsa1.0.05467.1	687	13649	0	398	419	94 +	1	403	8197	8612
UN77549	Rsa1.0.01022.1	776	56606	1.00E-138	269	274	98 -	2	274	35569	35842
UN77550	Rsa1.0.00289.1	487	98620	1.00E-100	186	186	100 -	194	379	14777	14962
UN77551	Rsa1.0.00460.1	792	206387	2.00E-88	194	202	96 -	72	272	199254	199455
UN77552	Rsa1.0.00025.1	531	277312	0	424	425	99 +	107	531	67419	67843
UN77553	Rsa1.0.00317.1	571	218290	0	405	407	99 -	3	409	94215	94621
UN77554	Rsa1.0.00377.1	410	90038	1.00E-164	296	297	99 -	3	299	27053	27349
UN77555	Rsa1.0.06825.1	645	10297	0	547	551	99 -	3	552	9262	9812
UN77556	Rsa1.0.02647.1	335	29120	1.00E-172	328	334	98 +	3	335	16146	16479
UN77557	Rsa1.0.11428.1	764	5511	3.00E-93	195	198	98 +	570	764	4231	4428
UN77558	Rsa1.0.00010.1	678	294827	3.00E-62	128	130	98 -	473	602	273335	273464
UN77559	Rsa1.0.00403.1	335	87701	1.00E-78	164	169	97 +	151	319	25279	25447
UN77560	Rsa1.0.20661.1	286	1282	4.00E-84	232	246	94 -	3	240	832	1077
UN77561	Rsa1.0.03550.1	580	22154	1.00E-124	237	241	98 -	3	243	6701	6941
UN77562	Rsa1.0.01824.1	652	38733	0	452	488	92 +	147	630	2400	2883
UN77563	Rsa1.0.01861.1	665	38031	1.00E-165	343	359	95 +	278	636	32331	32689
UN77564	Rsa1.0.02490.1	762	30885	1.00E-153	289	294	98 -	190	483	6530	6823
UN77565	Rsa1.0.00329.1	698	222544	1.00E-107	198	198	100 +	131	328	24148	24345
UN77566	Rsa1.0.00346.1	548	93130	0	532	539	98 +	10	548	7091	7629
UN77567	Rsa1.0.02074.1	456	35370	0	451	452	99 +	3	454	2361	2812
UN77568	Rsa1.0.03741.1	504	143933	0	482	496	97 -	9	504	9239	9734
UN77569	Rsa1.0.01978.1	626	36546	0	605	619	97 -	3	621	32270	32888

UN77570	Rsa1.0.00896.1	710	60509	0	488	509	95 +	204	710	45461	45968
UN77571	Rsa1.0.00119.1	745	467509	1.00E-137	258	260	99 -	487	745	262511	262770
UN77572	Rsa1.0.01681.1	747	41092	1.00E-124	290	313	92 +	423	735	12145	12442
UN77573	Rsa1.0.14292.1	231	3569	4.00E-96	196	202	97 +	30	231	1	202
UN77574	Rsa1.0.03318.1	270	23780	1.00E-150	269	269	100 -	2	270	2378	2646
UN77575	Rsa1.0.03309.1	737	23852	1.00E-168	312	316	98 +	422	737	11071	11386
UN77576	Rsa1.0.03037.1	231	25825	3.00E-72	145	146	99 -	3	147	5370	5515
UN77577	Rsa1.0.02756.1	691	28202	3.00E-87	190	199	95 -	279	471	19920	20118
UN77578	Rsa1.0.00510.1	729	78718	0	596	597	99 +	134	729	55870	56466
UN77579	Rsa1.0.06604.1	656	10681	0	354	356	99 -	301	656	3948	4303
UN77580	Rsa1.0.01203.1	732	50848	1.00E-67	137	139	98 -	154	292	50144	50282
UN77581	Rsa1.0.00820.1	597	62911	0	581	596	97 -	2	597	43143	43737
UN77582	Rsa1.0.35729.1	218	633	2.00E-88	212	230	92 -	1	218	24	253
UN77583	Rsa1.0.02356.1	767	141500	0	634	682	92 -	98	761	129130	129811
UN77584	Rsa1.0.00965.1	760	58139	1.00E-148	374	399	93 +	302	692	7701	8095
UN77585	Rsa1.0.01030.1	712	56290	1.00E-101	199	203	98 +	3	205	45275	45477
UN77586	Rsa1.0.02682.1	813	28711	0	771	833	92 -	3	806	10243	11073
UN77587	Rsa1.0.01243.1	568	50061	1.00E-168	500	567	88 -	2	568	17573	18139
UN77588	Rsa1.0.01729.1	804	304246	0	796	801	99 +	1	796	280397	281197
UN77589	Rsa1.0.04379.1	584	17646	1.00E-155	307	317	96 -	49	365	6861	7177
UN77590	Rsa1.0.00731.1	154	66638	3.00E-74	150	153	98 +	2	154	38804	38956
UN77591	Rsa1.0.03375.1	123	23332	3.00E-58	120	122	98 +	2	123	5227	5348
UN77592	Rsa1.0.02555.1	279	30146	1.00E-148	273	274	99 +	3	275	18047	18320
UN77593	Rsa1.0.00134.1	780	390219	1.00E-132	243	244	99 -	3	246	232067	232310
UN77594	Rsa1.0.02229.1	816	33672	0	409	421	97 +	3	421	12887	13303
UN77595	Rsa1.0.76165.1	312	301	1.00E-130	242	244	99 -	2	245	1	244
UN77596	Rsa1.0.02209.1	693	33873	1.00E-144	316	336	94 -	361	693	26633	26957
UN77597	Rsa1.0.10004.1	740	6042	1.00E-120	226	228	99 +	2	229	1003	1230
UN77598	Rsa1.0.00224.1	733	327530	0	437	460	95 +	277	730	85779	86238
UN77599	Rsa1.0.00247.1	772	103408	0	652	659	98 +	120	772	76818	77476
UN77600	Rsa1.0.01135.1	681	52799	1.00E-95	181	182	99 -	368	549	46969	47150
UN77601	Rsa1.0.00351.1	744	413096	3.00E-65	150	155	96 +	589	741	402821	402975
UN77602	Rsa1.0.01182.1	704	167304	2.00E-97	211	221	95 -	3	223	158058	158278
UN77603	Rsa1.0.05384.1	680	13960	0	404	404	100 -	3	406	2988	3391
UN77604	Rsa1.0.01633.1	700	41868	0	697	699	99 +	2	700	40125	40823
UN77605	Rsa1.0.01016.1	327	181422	1.00E-120	232	234	99 +	4	235	17760	17993
UN77606	Rsa1.0.00710.1	689	67325	0	384	405	94 +	3	407	42088	42482
UN77607	Rsa1.0.00482.1	661	81162	4.00E-58	115	115	100 -	442	556	5280	5394
UN77608	Rsa1.0.02287.1	717	32986	1.00E-101	242	260	93 -	2	261	9388	9647

UN77609	Rsa1.0.01078.1	294	316910	1.00E-133	290	299	96 +	3	294	292193	292491
UN77610	Rsa1.0.01581.1	615	42833	0	579	600	96 +	16	615	5053	5651
UN77611	Rsa1.0.44085.1	687	510	0	331	333	99 -	311	643	74	406
UN77612	Rsa1.0.00542.1	668	76831	3.00E-90	200	209	95 +	212	420	34681	34888
UN77613	Rsa1.0_20083.1	782	1343	0	371	376	98 -	320	692	968	1343
UN77614	Rsa1.0_28998.1	668	796	1.00E-82	181	188	96 +	482	668	435	622
UN77615	Rsa1.0.03114.1	771	25318	1.00E-139	334	355	94 +	408	757	8838	9192
UN77616	Rsa1.0.00156.1	490	118383	3.00E-61	134	138	97 -	5	139	36630	36767
UN77617	Rsa1.0.21467.1	310	1200	2.00E-98	200	204	98 -	1	203	753	953
UN77618	Rsa1.0.09583.1	608	6270	1.00E-153	275	275	100 +	152	426	56	330
UN77619	Rsa1.0.01022.1	706	56606	1.00E-115	211	211	100 +	353	563	32963	33173
UN77620	Rsa1.0.03633.1	665	21644	0	411	438	93 +	2	439	1763	2188
UN77621	Rsa1.0.75173.1	711	305	5.00E-70	138	139	99 +	3	141	167	305
UN77622	Rsa1.0.01105.1	653	53958	2.00E-91	191	195	97 +	86	280	10353	10545
UN77623	Rsa1.0.00268.1	698	101470	6.00E-82	299	343	87 -	6	347	15055	15380
UN77624	Rsa1.0.00838.1	714	153820	1.00E-129	245	248	98 +	3	247	8649	8896
UN77625	Rsa1.0.15017.1	607	2889	0	606	607	99 +	1	607	870	1476
UN77626	Rsa1.0.00176.1	691	240984	4.00E-46	122	131	93 +	378	508	18131	18261
UN77627	Rsa1.0.01274.1	346	49419	2.00E-80	198	208	95 +	140	346	21348	21552
UN77628	Rsa1.0.00123.1	761	325650	1.00E-109	218	224	97 -	314	537	222528	222751
UN77629	Rsa1.0.00999.1	659	57162	0	385	403	95 +	257	659	36704	37097
UN77630	Rsa1.0.07849.1	756	8425	1.00E-119	247	252	98 -	509	756	5630	5880
UN77631	Rsa1.0.35109.1	675	644	1.00E-83	158	158	100 -	393	550	22	179
UN77632	Rsa1.0.14129.1	701	3769	1.00E-163	313	318	98 +	3	319	2703	3018
UN77633	Rsa1.0.01523.1	584	43959	0	528	591	89 -	3	584	27961	28518
UN77634	Rsa1.0.01838.1	647	38500	0	634	647	97 +	1	647	25965	26608
UN77635	Rsa1.0.08140.1	736	7845	1.00E-163	333	344	96 +	395	736	6704	7047
UN77636	Rsa1.0.00017.1	727	752458	0	334	337	99 -	314	649	726017	726353
UN77637	Rsa1.0.03828.1	743	20588	0	712	738	96 +	3	739	10639	11373
UN77638	Rsa1.0.00921.1	639	59599	1.00E-113	218	220	99 +	421	639	129	348
UN77639	Rsa1.0.00035.1	352	176449	1.00E-173	339	347	97 -	3	347	126172	126518
UN77640	Rsa1.0.01727.1	751	40243	0	347	350	99 +	3	352	23198	23547
UN77641	Rsa1.0.01159.1	474	52115	9.00E-68	149	155	96 +	1	155	31450	31604
UN77642	Rsa1.0.01553.1	733	43379	0	395	419	94 -	3	409	40833	41250
UN77643	Rsa1.0.00551.1	729	76227	1.00E-112	322	363	88 +	10	351	19151	19513
UN77644	Rsa1.0.00906.1	767	178966	0	560	560	100 +	3	562	130168	130727
UN77645	Rsa1.0.00012.1	732	222148	0	717	741	96 +	3	732	62298	63036
UN77646	Rsa1.0.00205.1	640	193401	1.00E-159	374	401	93 -	2	389	60950	61346
UN77647	Rsa1.0.02377.1	638	31994	0	614	647	94 -	3	638	19525	20171

UN77648	Rsa1.0.02117.1	625	34843	1.00E-121	334	370	90 -	270	625	23598	23966
UN77649	Rsa1.0.01985.1	765	36491	1.00E-107	200	201	99 +	8	208	14309	14509
UN77650	Rsa1.0.05680.1	796	12958	2.00E-69	134	134	100 -	518	651	5785	5918
UN77651	Rsa1.0.00087.1	763	761073	1.00E-176	371	385	96 +	383	763	359637	360021
UN77652	Rsa1.0.00029.1	641	272992	0	470	503	93 +	43	539	260779	261278
UN77653	Rsa1.0.00977.1	649	198001	0	574	652	88 -	2	649	163134	163785
UN77654	Rsa1.0.05983.1	679	12032	0	527	531	99 +	151	679	8665	9195
UN77655	Rsa1.0.00556.1	820	207212	1.00E-110	235	245	95 -	18	259	13311	13555
UN77656	Rsa1.0.00999.1	600	57162	1.00E-132	240	240	100 +	3	242	22554	22793
UN77657	Rsa1.0.00097.1	710	138858	1.00E-172	320	322	99 -	391	710	111792	112113
UN77658	Rsa1.0.02159.1	646	34471	1.00E-113	302	333	90 -	3	331	32493	32810
UN77659	Rsa1.0.00008.1	660	358124	0	627	660	95 +	1	660	61743	62391
UN77660	Rsa1.0.01288.1	771	49188	0	665	697	95 -	80	771	22697	23387
UN77661	Rsa1.0.00033.1	735	515811	0	577	586	98 -	151	733	485425	486009
UN77662	Rsa1.0.00188.1	761	112020	0	444	460	96 -	214	670	74179	74638
UN77663	Rsa1.0.00183.1	555	113277	1.00E-106	236	247	95 -	311	555	69916	70162
UN77664	Rsa1.0.01865.1	596	37992	1.00E-106	211	216	97 +	181	396	28549	28764
UN77665	Rsa1.0.01081.1	748	499226	1.00E-153	277	278	99 -	3	280	334337	334614
UN77666	Rsa1.0.08102.1	731	7901	8.00E-60	118	118	100 -	374	491	1629	1746
UN77667	Rsa1.0.00207.1	793	248736	1.00E-160	318	326	97 +	3	326	63127	63452
UN77668	Rsa1.0.02287.1	591	32986	1.00E-136	264	270	97 -	2	271	9388	9657
UN77669	Rsa1.0.02707.1	278	28520	1.00E-111	227	234	97 +	47	278	26163	26396
UN77670	Rsa1.0.01151.1	378	52268	1.00E-143	260	261	99 -	118	378	26261	26521
UN77671	Rsa1.0.00506.1	738	79106	1.00E-113	207	207	100 -	482	688	13459	13665
UN77672	Rsa1.0.43420.1	695	517	0	507	507	100 -	51	557	11	517
UN77673	Rsa1.0.01092.1	696	54348	0	532	550	96 -	126	673	44254	44800
UN77674	Rsa1.0.00022.1	538	200461	1.00E-143	359	391	91 +	116	496	142094	142479
UN77675	Rsa1.0.09735.1	696	6180	1.00E-67	131	131	100 -	4	134	868	998
UN77676	Rsa1.0.01997.1	679	158416	0	564	585	96 +	101	679	3359	3940
UN77677	Rsa1.0.01454.1	777	45440	3.00E-78	155	157	98 -	345	501	14805	14961
UN77678	Rsa1.0.00033.1	555	515811	0	389	401	97 -	159	555	145969	146367
UN77679	Rsa1.0.01761.1	728	39717	1.00E-175	400	428	93 -	303	728	25265	25689
UN77680	Rsa1.0.15200.1	722	2765	0	365	369	98 -	3	369	1	369
UN77681	Rsa1.0.00615.1	431	72235	0	428	429	99 -	3	431	38882	39310
UN77682	Rsa1.0.00028.1	608	293984	0	463	463	100 +	146	608	257892	258354
UN77683	Rsa1.0.00616.1	773	195713	1.00E-107	229	238	96 +	52	289	8470	8706
UN77684	Rsa1.0.00686.1	778	68511	0	447	448	99 -	3	450	16330	16777
UN77685	Rsa1.0.00102.1	654	135497	0	477	498	95 -	157	654	40877	41374
UN77686	Rsa1.0.01704.1	352	40711	1.00E-164	337	352	95 +	1	352	13211	13562

UN77687	Rsa1.0.00033.1	723	515811	0	529	540	97 +	184	723	350005	350544
UN77688	Rsa1.0.00962.1	669	184909	0	662	667	99 +	3	669	26959	27625
UN77689	Rsa1.0.01459.1	642	45277	1.00E-127	281	297	94 -	346	642	42971	43259
UN77690	Rsa1.0.00217.1	612	107079	0	592	596	99 +	20	612	98617	99211
UN77691	Rsa1.0.06375.1	651	11136	1.00E-100	191	193	98 +	224	416	104	296
UN77692	Rsa1.0.05081.1	770	136103	5.00E-58	149	155	96 -	608	758	2435	2589
UN77693	Rsa1.0.00048.1	652	167185	0	378	383	98 +	3	383	147921	148303
UN77694	Rsa1.0.00038.1	585	314568	1.00E-134	255	259	98 +	22	280	166217	166475
UN77695	Rsa1.0.00168.1	696	115870	1.00E-179	440	469	93 +	239	696	94124	94583
UN77696	Rsa1.0.03679.1	782	21409	0	535	540	99 +	246	782	13347	13886
UN77697	Rsa1.0.00055.1	737	520193	1.00E-89	225	241	93 -	496	735	333976	334211
UN77698	Rsa1.0.02870.1	337	27102	3.00E-82	193	204	94 +	3	202	5985	6187
UN77699	Rsa1.0.01461.1	519	45240	0	506	520	97 +	3	519	2641	3160
UN77700	Rsa1.0.01864.1	686	37998	0	330	332	99 -	355	686	36822	37153
UN77701	Rsa1.0.00090.1	733	273859	0	512	546	93 +	194	733	231858	232391
UN77702	Rsa1.0.00859.1	738	61795	0	375	385	97 -	60	444	61329	61712
UN77703	Rsa1.0.00663.1	781	164969	0	761	781	97 -	3	781	131654	132434
UN77704	Rsa1.0.00108.1	744	478491	0	472	499	94 -	240	733	304449	304947
UN77705	Rsa1.0.04564.1	694	16837	0	675	695	97 -	1	694	3714	4396
UN77706	Rsa1.0.01148.1	147	52375	4.00E-61	140	147	95 -	1	147	10883	11029
UN77707	Rsa1.0.03938.1	500	19965	1.00E-119	230	233	98 -	1	233	16849	17080
UN77708	Rsa1.0.00453.1	687	83031	0	684	687	99 +	2	687	26877	27563
UN77709	Rsa1.0.01148.1	593	52375	0	394	417	94 -	187	593	31513	31926
UN77710	Rsa1.0.01838.1	750	38500	1.00E-109	239	251	95 -	221	468	27357	27607
UN77711	Rsa1.0.02221.1	652	33796	4.00E-83	171	175	97 +	342	513	11916	12090
UN77712	Rsa1.0.02095.1	572	35071	6.00E-94	320	363	88 +	61	422	6511	6865
UN77713	Rsa1.0.00648.1	788	70351	1.00E-111	265	284	93 -	1	284	19476	19752
UN77714	Rsa1.0.04213.1	732	18437	2.00E-82	156	156	100 +	554	709	18130	18285
UN77715	Rsa1.0.01078.1	861	316910	0	806	881	91 +	3	861	287563	288429
UN77716	Rsa1.0.01721.1	237	40345	5.00E-86	219	229	95 +	16	237	23096	23324
UN77717	Rsa1.0.00211.1	624	228189	1.00E-101	188	188	100 -	289	476	173457	173644
UN77718	Rsa1.0.00772.1	732	64856	0	625	630	99 -	1	630	17209	17838
UN77719	Rsa1.0.04949.1	561	15356	1.00E-155	368	397	92 -	169	558	5846	6238
UN77720	Rsa1.0.00197.1	567	109714	1.00E-134	329	354	92 +	2	344	18536	18882
UN77721	Rsa1.0.07933.1	750	8232	0	744	746	99 -	5	750	3617	4362
UN77722	Rsa1.0.03448.1	674	22844	3.00E-74	151	154	98 -	336	489	11904	12057
UN77723	Rsa1.0.00476.1	718	280966	1.00E-109	263	284	92 -	3	280	166138	166421
UN77724	Rsa1.0.01092.1	240	54348	4.00E-96	219	230	95 +	8	236	7601	7829
UN77725	Rsa1.0.01405.1	699	46445	1.00E-115	220	222	99 -	479	699	38482	38703

UN77726	Rsa1.0.00560.1	733	75685	0	687	712	96 +	26	733	50954	51665
UN77727	Rsa1.0.02282.1	110	163951	2.00E-18	67	71	94 +	42	110	149562	149632
UN77728	Rsa1.0.01877.1	132	37789	2.00E-47	124	132	93 +	2	132	23174	23305
UN77729	Rsa1.0.03822.1	635	20640	9.00E-84	158	158	100 -	52	209	14858	15015
UN77730	Rsa1.0_00323.1	782	159650	0	516	517	99 +	5	520	111456	111972
UN77731	Rsa1.0_00339.1	802	222974	1.00E-167	319	326	97 +	213	538	65177	65502
UN77732	Rsa1.0.04407.1	714	17504	1.00E-163	415	453	91 -	271	714	10589	11039
UN77733	Rsa1.0.01317.1	727	48287	0	364	364	100 +	35	398	34074	34437
UN77734	Rsa1.0.04714.1	680	146738	0	373	381	97 +	301	680	139528	139908
UN77735	Rsa1.0.02166.1	684	34414	1.00E-174	315	317	99 -	368	684	14039	14355
UN77736	Rsa1.0.06160.1	659	11596	1.00E-114	272	293	92 +	71	363	11129	11421
UN77737	Rsa1.0.01566.1	720	43134	0	567	595	95 -	104	688	34068	34658
UN77738	Rsa1.0.00691.1	769	68212	1.00E-15	47	48	97 +	201	248	15589	15636
UN77739	Rsa1.0.00576.1	464	178949	0	332	332	100 -	133	464	30858	31189
UN77740	Rsa1.0.00172.1	661	115476	0	637	659	96 +	3	661	18619	19277
UN77741	Rsa1.0.01092.1	681	54348	0	508	514	98 -	33	546	24851	25364
UN77742	Rsa1.0.01158.1	540	52121	0	424	430	98 -	111	540	16603	17032
UN77743	Rsa1.0.00816.1	762	403350	0	662	705	93 -	3	701	265436	266113
UN77744	Rsa1.0.24635.1	450	975	1.00E-128	235	236	99 +	215	450	292	527
UN77745	Rsa1.0.04863.1	721	15687	1.00E-179	393	415	94 +	3	414	1111	1522
UN77746	Rsa1.0.03191.1	772	145762	1.00E-175	319	320	99 +	454	772	20228	20547
UN77747	Rsa1.0.00069.1	142	403561	5.00E-48	131	141	92 -	3	142	179540	179680
UN77748	Rsa1.0.04456.1	731	17260	0	359	362	99 +	297	656	14866	15227
UN77749	Rsa1.0.07730.1	497	8698	0	496	497	99 -	1	497	5085	5581
UN77750	Rsa1.0.00636.1	766	71113	1.00E-100	206	213	96 +	21	233	694	900
UN77751	Rsa1.0.02060.1	792	35528	0	429	438	97 +	305	738	19474	19911
UN77752	Rsa1.0.00645.1	705	189716	0	411	423	97 +	287	705	6276	6696
UN77753	Rsa1.0.00362.1	547	299497	1.00E-176	345	353	97 -	1	352	228930	229281
UN77754	Rsa1.0.01274.1	484	49419	1.00E-137	319	341	93 +	7	343	30800	31140
UN77755	Rsa1.0.11046.1	153	5635	4.00E-33	78	80	97 -	74	153	2870	2949
UN77756	Rsa1.0.00725.1	530	66757	0	499	530	94 -	2	523	21535	22056
UN77757	Rsa1.0.00008.1	539	358124	1.00E-157	302	309	97 -	217	525	54138	54446
UN77758	Rsa1.0.00611.1	332	72410	2.00E-67	145	150	96 -	1	150	1963	2112
UN77759	Rsa1.0.01872.1	720	37908	0	378	380	99 +	3	382	7401	7780
UN77760	Rsa1.0.00317.1	638	218290	1.00E-172	306	306	100 +	1	306	91656	91961
UN77761	Rsa1.0.01883.1	745	37661	2.00E-11	79	93	84 +	427	519	10638	10730
UN77762	Rsa1.0.00003.1	494	340054	0	350	356	98 -	3	358	4541	4896
UN77763	Rsa1.0.00010.1	604	294827	3.00E-83	249	283	87 +	1	258	270949	271226
UN77764	Rsa1.0.03926.1	331	20024	1.00E-120	228	230	99 -	103	331	10760	10989

UN77765	Rsa1.0.00028.1	691	293984	0	399	419	95 -	3	421	252760	253177
UN77766	Rsa1.0.03550.1	449	22154	0	370	382	96 +	3	384	5300	5681
UN77767	Rsa1.0.00706.1	182	291570	7.00E-60	161	175	92 -	8	182	24316	24487
UN77768	Rsa1.0.00067.1	533	415055	0	513	540	95 +	1	533	268378	268915
UN77769	Rsa1.0.01167.1	720	51859	0	345	353	97 -	1	353	13562	13914
UN77770	Rsa1.0.00469.1	708	82084	0	397	413	96 -	5	417	3910	4321
UN77771	Rsa1.0.19206.1	566	1465	2.00E-75	147	148	99 -	122	269	519	666
UN77772	Rsa1.0.00025.1	811	277312	2.00E-42	174	198	87 +	96	285	42550	42743
UN77773	Rsa1.0.00699.1	243	184398	2.00E-60	121	122	99 -	41	162	14793	14914
UN77774	Rsa1.0.01013.1	675	56822	0	393	394	99 -	3	396	29533	29926
UN77775	Rsa1.0.08721.1	295	7000	3.00E-66	208	226	92 -	73	289	6696	6921
UN77776	Rsa1.0.06865.1	601	10240	1.00E-153	284	287	98 -	150	436	9270	9556
UN77777	Rsa1.0.00170.1	389	179538	1.00E-105	228	237	96 -	155	389	141290	141525
UN77778	Rsa1.0.01896.1	505	37512	0	372	389	95 -	117	505	9889	10277
UN77779	Rsa1.0.04248.1	341	18287	1.00E-44	95	96	98 +	51	146	2671	2766
UN77780	Rsa1.0.13506.1	568	4760	1.00E-85	187	193	96 +	86	276	1964	2156
UN77781	Rsa1.0.04248.1	738	18287	0	613	628	97 +	47	674	8111	8738
UN77782	Rsa1.0.00016.1	737	831256	0	673	708	95 -	2	706	829267	829974
UN77783	Rsa1.0.04159.1	734	18795	1.00E-165	360	377	95 -	348	719	6239	6615
UN77784	Rsa1.0.03394.1	718	23247	1.00E-113	255	270	94 +	449	717	5938	6200
UN77785	Rsa1.0.00076.1	767	146021	8.00E-57	119	121	98 +	521	641	39762	39882
UN77786	Rsa1.0.03642.1	754	21609	1.00E-129	344	374	91 +	387	750	18068	18441
UN77787	Rsa1.0.00120.1	292	277288	5.00E-96	188	190	98 +	3	191	265621	265810
UN77788	Rsa1.0.00246.1	306	103541	3.00E-57	126	129	97 -	1	129	90696	90823
UN77789	Rsa1.0.00552.1	277	206757	1.00E-120	222	223	99 -	3	225	20128	20350
UN77790	Rsa1.0.00123.1	772	325650	1.00E-108	219	223	98 +	553	772	153387	153609
UN77791	Rsa1.0.01660.1	695	41400	0	410	420	97 -	76	495	35278	35697
UN77792	Rsa1.0.00043.1	769	264937	1.00E-98	183	183	100 -	2	184	246463	246645
UN77793	Rsa1.0.00087.1	746	761073	2.00E-91	186	191	97 -	2	192	241492	241682
UN77794	Rsa1.0.00017.1	720	752458	0	349	356	98 +	179	534	316093	316448
UN77795	Rsa1.0.03728.1	531	21147	0	498	530	93 +	3	531	725	1245
UN77796	Rsa1.0.04357.1	668	17762	0	574	576	99 +	3	578	4089	4664
UN77797	Rsa1.0.07657.1	799	8896	1.00E-120	228	231	98 +	266	496	2985	3215
UN77798	Rsa1.0.01285.1	693	172709	0	455	457	99 +	237	693	25470	25926
UN77799	Rsa1.0.01232.1	486	155185	1.00E-176	325	329	98 -	158	486	153408	153736
UN77800	Rsa1.0.00327.1	730	94892	1.00E-73	144	145	99 -	126	270	27389	27533
UN77801	Rsa1.0.01376.1	742	47004	0	445	465	95 +	3	465	40118	40582
UN77802	Rsa1.0.00484.1	694	203294	1.00E-112	205	205	100 -	3	207	54497	54701
UN77803	Rsa1.0.00911.1	617	59943	0	407	413	98 +	3	415	36571	36983

UN77804	Rsa1.0_03044.1	586	25791	0	585	585	100 +	2	586	21068	21652
UN77805	Rsa1.0_03465.1	683	22700	4.00E-86	172	174	98 -	125	298	21374	21546
UN77806	Rsa1.0_00017.1	547	752458	0	397	399	99 +	150	547	532215	532613
UN77807	Rsa1.0_04248.1	635	18287	0	338	338	100 -	3	340	13799	14136
UN77808	Rsa1.0_02377.1	646	31994	1.00E-133	326	355	91 +	309	646	18791	19140
UN77809	Rsa1.0_04192.1	707	18572	1.00E-155	285	286	99 +	419	703	5742	6027
UN77810	Rsa1.0_00645.1	648	189716	0	405	407	99 -	167	573	151483	151889
UN77811	Rsa1.0_00425.1	690	147080	3.00E-99	184	184	100 -	215	398	5087	5270
UN77812	Rsa1.0_03026.1	800	25888	0	774	786	98 +	3	780	10546	11331
UN77813	Rsa1.0_00648.1	765	70351	0	563	609	92 +	165	761	16296	16886
UN77814	Rsa1.0_00274.1	672	210119	1.00E-148	266	266	100 +	181	446	44679	44944
UN77815	Rsa1.0_03599.1	480	21857	0	349	351	99 -	130	480	3098	3448
UN77816	Rsa1.0_00480.1	742	81325	0	376	383	98 +	3	385	3549	3931
UN77817	Rsa1.0_00837.1	720	62568	0	659	690	95 -	1	686	23553	24239
UN77818	Rsa1.0_01010.1	625	56906	0	389	391	99 +	180	570	13553	13943
UN77819	Rsa1.0_00683.1	504	68638	0	484	514	94 -	1	504	2433	2944
UN77820	Rsa1.0_01824.1	781	38733	1.00E-129	287	306	93 -	3	299	16855	17154
UN77821	Rsa1.0_05153.1	431	14663	1.00E-81	186	198	93 +	93	290	1739	1927
UN77822	Rsa1.0_01416.1	580	46262	1.00E-137	251	252	99 -	144	395	31255	31506
UN77823	Rsa1.0_04161.1	745	18788	1.00E-151	285	287	99 +	232	517	2057	2342
UN77824	Rsa1.0_00525.1	452	78030	1.00E-136	266	273	97 +	163	435	25802	26074
UN77825	Rsa1.0_00087.1	675	761073	0	407	411	99 +	266	675	95100	95510
UN77826	Rsa1.0_00100.1	291	249232	1.00E-114	216	217	99 +	3	218	174024	174240
UN77827	Rsa1.0_00813.1	301	63202	1.00E-104	286	307	93 +	2	301	45888	46192
UN77828	Rsa1.0_00777.1	633	191865	1.00E-152	285	289	98 -	240	528	170223	170511
UN77829	Rsa1.0_00662.1	333	192183	9.00E-98	233	246	94 +	91	333	58372	58613
UN77830	Rsa1.0_23843.1	411	1022	0	404	410	98 +	2	411	317	726
UN77831	Rsa1.0_00197.1	811	109714	0	566	574	98 -	119	689	19948	20521
UN77832	Rsa1.0_07835.1	696	8453	1.00E-118	280	299	93 +	187	477	4944	5242
UN77833	Rsa1.0_00055.1	721	520193	0	544	584	93 +	144	718	407399	407979
UN77834	Rsa1.0_00701.1	733	67691	6.00E-70	141	143	98 +	162	304	21778	21920
UN77835	Rsa1.0_02411.1	456	31655	0	382	398	95 -	3	399	29075	29469
UN77836	Rsa1.0_00056.1	733	332604	1.00E-140	270	276	97 +	4	279	103790	104065
UN77837	Rsa1.0_00417.1	713	395068	0	345	351	98 -	364	713	235729	236079
UN77838	Rsa1.0_00344.1	743	191774	0	735	742	99 +	4	743	102236	102977
UN77839	Rsa1.0_07933.1	633	8232	0	385	386	99 +	1	386	2583	2968
UN77840	Rsa1.0_01687.1	443	40979	1.00E-136	269	277	97 +	2	278	24951	25227
UN77841	Rsa1.0_08516.1	582	7245	0	449	467	96 -	122	582	6331	6797
UN77842	Rsa1.0_00218.1	563	201480	1.00E-152	303	313	96 +	247	559	175000	175312

UN77843	Rsa1.0_01937.1	549	37147	1.00E-124	241	246	97 -	203	448	26246	26491
UN77844	#	#	#	#	#	#	#	#	#	#	#
UN77845	Rsa1.0_00113.1	674	131574	1.00E-163	300	303	99 -	283	585	14205	14507
UN77846	Rsa1.0_01092.1	634	54348	1.00E-165	325	333	97 -	303	634	7664	7993
UN77847	Rsa1.0_04310.1	771	17994	1.00E-135	366	402	91 -	4	385	2343	2742
UN77848	Rsa1.0_09500.1	618	6330	1.00E-126	281	296	94 +	21	316	5403	5695
UN77849	#	#	#	#	#	#	#	#	#	#	#
UN77850	Rsa1.0_00204.1	709	109056	0	373	383	97 +	326	708	44120	44502
UN77851	Rsa1.0_00274.1	678	210119	1.00E-150	292	298	97 +	261	558	186905	187201
UN77852	Rsa1.0_00067.1	777	415055	1.00E-71	166	173	95 +	218	388	249445	249616
UN77853	Rsa1.0_00385.1	640	89160	0	495	499	99 +	3	501	47346	47844
UN77854	Rsa1.0_00275.1	767	210104	1.00E-114	251	265	94 -	3	267	152106	152370
UN77855	Rsa1.0_00111.1	748	390088	1.00E-109	221	228	96 -	516	743	382037	382264
UN77856	Rsa1.0_00218.1	471	201480	1.00E-145	263	264	99 +	208	471	32812	33075
UN77857	Rsa1.0_02586.1	775	29856	1.00E-141	275	282	97 -	232	513	8030	8311
UN77858	Rsa1.0_00657.1	767	69858	4.00E-80	184	197	93 -	3	187	24294	24490
UN77859	Rsa1.0_01018.1	718	56685	1.00E-137	329	354	92 -	20	370	56037	56380
UN77860	Rsa1.0_13384.1	605	4873	1.00E-160	293	294	99 +	3	295	419	712
UN77861	Rsa1.0_01468.1	767	45146	6.00E-70	135	135	100 +	3	137	12268	12402
UN77862	Rsa1.0_14210.1	664	3660	2.00E-94	200	208	96 +	457	664	654	861
UN77863	Rsa1.0_00694.1	576	68074	0	573	574	99 -	2	575	57492	58065
UN77864	Rsa1.0_02501.1	745	30764	0	713	741	96 -	3	740	16170	16909
UN77865	Rsa1.0_00233.1	771	104918	0	431	433	99 +	263	694	66048	66480
UN77866	Rsa1.0_03028.1	709	25872	0	693	708	97 -	2	709	11993	12700
UN77867	Rsa1.0_01154.1	679	52249	1.00E-176	325	329	98 +	3	331	13897	14225
UN77868	Rsa1.0_00035.1	561	176449	0	559	561	99 -	1	561	111685	112245
UN77869	Rsa1.0_00118.1	689	130637	0	561	592	94 -	2	593	70591	71181
UN77870	Rsa1.0_01173.1	729	51727	1.00E-168	343	356	96 -	198	553	3699	4048
UN77871	Rsa1.0_02949.1	731	26506	1.00E-104	223	232	96 +	2	232	1584	1815
UN77872	Rsa1.0_01235.1	725	50180	0	437	443	98 +	283	725	19036	19478
UN77873	Rsa1.0_02020.1	614	173211	0	588	614	95 +	1	614	139265	139878
UN77874	Rsa1.0_13976.1	673	3967	1.00E-112	261	277	94 +	393	663	1060	1335
UN77875	Rsa1.0_00724.1	769	66789	0	571	579	98 -	121	699	18154	18732
UN77876	Rsa1.0_01579.1	617	42860	0	481	491	97 +	2	486	20443	20933
UN77877	Rsa1.0_43698.1	675	514	1.00E-151	292	299	97 +	319	617	216	514
UN77878	Rsa1.0_00425.1	794	147080	1.00E-100	186	186	100 -	337	522	129550	129735
UN77879	Rsa1.0_00291.1	720	172129	0	358	364	98 +	3	366	30228	30591
UN77880	Rsa1.0_00036.1	712	176186	0	704	713	98 -	1	712	109897	110609
UN77881	Rsa1.0_09125.1	625	6625	1.00E-144	259	259	100 -	3	261	244	502

UN77882	Rsa1.0.00078.1	764	175053	0	692	700	98 -	71	764	79730	80429
UN77883	Rsa1.0.00930.1	765	59224	1.00E-150	270	270	100 +	433	702	48406	48675
UN77884	Rsa1.0.04029.1	686	19491	0	681	686	99 +	1	686	5087	5771
UN77885	Rsa1.0.00015.1	628	561803	2.00E-94	188	192	97 -	437	628	481068	481259
UN77886	Rsa1.0.01123.1	625	53359	1.00E-79	157	159	98 -	4	162	32555	32713
UN77887	Rsa1.0.00552.1	707	206757	1.00E-98	189	191	98 -	3	193	192070	192260
UN77888	Rsa1.0.00196.1	578	109960	0	555	590	94 +	5	578	11418	12007
UN77889	Rsa1.0.00113.1	828	131574	0	460	462	99 +	11	472	6881	7342
UN77890	Rsa1.0.14764.1	120	3084	3.00E-36	111	121	91 +	1	120	2002	2122
UN77891	Rsa1.0.00298.1	797	349131	1.00E-163	292	292	100 +	1	292	175854	176145
UN77892	Rsa1.0.00178.1	794	114861	5.00E-89	311	357	87 +	30	386	66273	66605
UN77893	Rsa1.0.01004.1	517	56975	0	496	517	95 +	1	517	18996	19512
UN77894	Rsa1.0.00096.1	230	198773	7.00E-73	166	175	94 -	56	230	99852	100026
UN77895	Rsa1.0.00078.1	764	175053	0	736	765	96 -	1	764	36701	37465
UN77896	Rsa1.0.04006.1	802	19585	0	402	403	99 +	1	403	399	801
UN77897	Rsa1.0.00017.1	684	752458	1.00E-150	353	376	93 -	3	373	292600	292970
UN77898	Rsa1.0.04286.1	533	18084	4.00E-64	125	125	100 -	51	175	6107	6231
UN77899	Rsa1.0.19122.1	557	1477	1.00E-119	253	265	95 +	6	270	846	1110
UN77900	Rsa1.0.02258.1	661	33307	1.00E-135	250	252	99 -	7	258	26139	26390
UN77901	Rsa1.0.04625.1	797	16613	0	432	450	96 +	354	795	14784	15233
UN77902	Rsa1.0.04845.1	555	15747	4.00E-64	128	129	99 +	205	333	5894	6022
UN77903	Rsa1.0.07802.1	333	8513	2.00E-55	135	142	95 +	8	149	3608	3748
UN77904	Rsa1.0.02117.1	588	34843	1.00E-88	181	186	97 +	327	512	14937	15122
UN77905	Rsa1.0.03956.1	491	19872	1.00E-125	314	342	91 -	24	362	19138	19460
UN77906	Rsa1.0.00645.1	778	189716	5.00E-98	188	190	98 -	257	446	7108	7297
UN77907	Rsa1.0.01264.1	152	49697	2.00E-66	143	148	96 -	1	148	27118	27265
UN77908	Rsa1.0.02070.1	783	158516	6.00E-73	168	177	94 -	94	266	141340	141516
UN77909	Rsa1.0.15735.1	795	2455	1.00E-117	218	219	99 -	170	388	128	346
UN77910	Rsa1.0.00150.1	242	154416	6.00E-95	228	240	95 +	2	240	151967	152198
UN77911	Rsa1.0.00008.1	556	358124	0	532	555	95 +	3	556	65984	66529
UN77912	Rsa1.0.00719.1	149	66952	1.00E-51	136	147	92 -	3	149	25735	25881
UN77913	Rsa1.0.04025.1	758	19511	1.00E-144	265	267	99 +	204	470	1147	1413
UN77914	Rsa1.0.07426.1	749	9413	5.00E-92	172	172	100 -	3	174	8808	8979
UN77915	Rsa1.0.00469.1	691	82084	0	658	705	93 +	4	691	2302	3000
UN77916	Rsa1.0.09218.1	615	6550	1.00E-163	298	300	99 -	2	301	1463	1762
UN77917	Rsa1.0.00254.1	795	102600	1.00E-147	296	305	97 -	467	770	53912	54216
UN77918	Rsa1.0.02625.1	694	139104	0	681	692	98 +	3	694	21335	22026
UN77919	Rsa1.0.00163.1	816	116847	1.00E-127	246	251	98 -	248	498	11140	11390
UN77920	Rsa1.0.00848.1	711	152362	0	430	459	93 +	261	711	11280	11738

UN77921	Rsa1.0.05499.1	643	13520	0	422	432	97 -	213	643	5285	5716
UN77922	Rsa1.0.02909.1	628	26856	1.00E-162	325	338	96 -	129	457	12685	13022
UN77923	Rsa1.0.00639.1	744	165873	0	468	470	99 +	3	472	106131	106600
UN77924	Rsa1.0.01562.1	686	43196	6.00E-14	112	133	84 +	91	221	30425	30557
UN77925	Rsa1.0.00519.1	636	197864	0	480	517	92 +	119	627	16695	17200
UN77926	Rsa1.0.01875.1	684	37849	1.00E-145	327	350	93 +	152	488	17495	17844
UN77927	Rsa1.0.01762.1	683	39682	0	656	684	95 +	2	683	10313	10993
UN77928	Rsa1.0.08250.1	657	7658	0	489	503	97 +	88	590	2620	3119
UN77929	Rsa1.0.01435.1	480	45942	1.00E-76	164	170	96 -	210	379	25796	25965
UN77930	Rsa1.0.14157.1	279	3726	1.00E-109	251	267	94 +	1	265	1019	1285
UN77931	Rsa1.0.00127.1	218	127446	2.00E-94	205	215	95 -	4	218	52640	52854
UN77932	Rsa1.0.04561.1	765	16849	0	639	655	97 -	113	765	4432	5084
UN77933	Rsa1.0.00039.1	126	296927	1.00E-14	96	112	85 -	16	119	283568	283679
UN77934	Rsa1.0.01119.1	517	53459	0	499	522	95 -	1	517	40715	41233
UN77935	Rsa1.0.00329.1	666	222544	0	633	664	95 +	5	666	151800	152462
UN77936	Rsa1.0.00446.1	115	167829	2.00E-49	111	115	96 +	1	115	120075	120189
UN77937	Rsa1.0.00336.1	252	445051	1.00E-109	239	252	94 -	1	252	145805	146056
UN77938	Rsa1.0.06369.1	646	11141	0	614	627	97 -	3	628	7028	7654
UN77939	Rsa1.0.03090.1	788	25464	0	667	701	95 +	32	730	1661	2357
UN77940	Rsa1.0.00165.1	517	116466	0	483	517	93 +	1	517	3600	4116
UN77941	Rsa1.0.00685.1	750	68515	0	472	502	94 -	1	498	9987	10480
UN77942	Rsa1.0.00610.1	550	72740	1.00E-124	279	297	93 -	1	287	36010	36306
UN77943	Rsa1.0.00002.1	450	601661	1.00E-140	285	296	96 -	155	450	578422	578717
UN77944	Rsa1.0.04594.1	543	16713	1.00E-111	293	326	89 +	206	531	4213	4523
UN77945	Rsa1.0.03271.1	486	24187	1.00E-171	387	418	92 +	1	396	1303	1716
UN77946	Rsa1.0.02365.1	270	32118	1.00E-139	267	271	98 -	1	270	4898	5168
UN77947	Rsa1.0.15342.1	156	2671	1.00E-39	95	99	95 -	1	99	979	1077
UN77948	Rsa1.0.00965.1	380	58139	2.00E-96	179	179	100 +	3	181	26825	27003
UN77949	Rsa1.0.13646.1	573	4574	0	453	493	91 +	99	568	1295	1787
UN77950	Rsa1.0.00091.1	710	139699	1.00E-150	281	285	98 +	421	705	10187	10471
UN77951	Rsa1.0.02144.1	244	34630	1.00E-121	238	244	97 -	1	244	3265	3508
UN77952	Rsa1.0.07834.1	325	8453	1.00E-118	301	325	92 -	3	325	6829	7143
UN77953	Rsa1.0.00087.1	639	761073	1.00E-138	277	286	96 -	351	636	19218	19503
UN77954	Rsa1.0.11234.1	666	5574	1.00E-129	281	296	94 -	3	290	5117	5412
UN77955	Rsa1.0.00060.1	571	502678	1.00E-119	236	240	98 -	2	240	127388	127625
UN77956	Rsa1.0.04388.1	531	17614	1.00E-110	236	246	95 -	3	248	12205	12449
UN77957	Rsa1.0.06631.1	119	10632	3.00E-39	100	106	94 +	1	106	5249	5354
UN77958	Rsa1.0.00663.1	243	164969	3.00E-87	217	235	92 -	5	239	125501	125730
UN77959	Rsa1.0.00637.1	694	71038	0	486	494	98 -	202	694	3290	3783

UN77960	Rsa1.0_00285.1	738	149638	1.00E-131	310	331	93 +	126	451	95085	95414
UN77961	Rsa1.0_00038.1	364	314568	0	354	364	97 -	1	364	286537	286897
UN77962	Rsa1.0_00434.1	687	85171	1.00E-140	303	319	94 +	16	324	12816	13133
UN77963	Rsa1.0_00128.1	656	228675	1.00E-180	322	323	99 +	334	656	137849	138171
UN77964	Rsa1.0_00035.1	351	176449	1.00E-112	233	241	96 -	106	346	80799	81038
UN77965	Rsa1.0_00124.1	256	262503	1.00E-122	247	254	97 +	3	256	256924	257176
UN77966	Rsa1.0_00294.1	140	144860	3.00E-55	130	137	94 +	1	137	42976	43112
UN77967	Rsa1.0_05825.1	725	12509	0	391	402	97 -	324	725	7097	7498
UN77968	Rsa1.0_02383.1	631	31931	1.00E-117	230	234	98 -	2	235	12472	12704
UN77969	Rsa1.0_00326.1	187	171955	4.00E-52	168	188	89 +	1	186	89188	89371
UN77970	Rsa1.0_02114.1	721	34873	0	566	572	98 -	147	718	16957	17526
UN77971	Rsa1.0_00154.1	148	189461	2.00E-29	111	125	88 -	26	148	129488	129612
UN77972	Rsa1.0_02891.1	531	27010	0	513	529	96 -	3	531	21290	21815
UN77973	Rsa1.0_02205.1	453	33923	1.00E-168	379	402	94 +	3	395	686	1086
UN77974	Rsa1.0_01719.1	266	40388	4.00E-96	212	221	95 -	1	221	10529	10746
UN77975	Rsa1.0_04612.1	711	16647	2.00E-97	184	185	99 -	147	331	15528	15712
UN77976	Rsa1.0_23719.1	589	1029	1.00E-168	356	373	95 -	1	369	175	546
UN77977	Rsa1.0_04552.1	751	16878	0	519	522	99 +	1	522	11101	11622
UN77978	Rsa1.0_01368.1	606	47129	1.00E-140	267	272	98 -	59	330	10663	10934
UN77979	Rsa1.0_00092.1	562	659932	0	560	562	99 -	1	562	220551	221112
UN77980	Rsa1.0_00744.1	594	66084	4.00E-95	177	177	100 -	343	519	43438	43614
UN77981	Rsa1.0_00025.1	540	277312	3.00E-89	199	209	95 -	325	533	15424	15629
UN77982	Rsa1.0_00033.1	222	515811	1.00E-104	214	220	97 +	3	221	497367	497586
UN77983	Rsa1.0_02319.1	596	32580	0	580	603	96 +	4	596	1118	1719
UN77984	Rsa1.0_01408.1	309	46383	1.00E-126	287	305	94 -	6	309	34693	34997
UN77985	Rsa1.0_02599.1	285	29660	5.00E-96	209	219	95 +	1	215	6486	6704
UN77986	Rsa1.0_05832.1	640	12491	1.00E-130	242	244	99 -	3	246	10411	10654
UN77987	Rsa1.0_00131.1	526	432233	1.00E-164	314	320	98 -	169	486	39516	39835
UN77988	Rsa1.0_00812.1	109	63233	2.00E-34	98	106	92 -	1	106	17698	17803
UN77989	Rsa1.0_03356.1	515	23487	0	487	504	96 +	5	506	10539	11038
UN77990	Rsa1.0_13204.1	317	4970	1.00E-117	228	233	97 +	85	317	1670	1902
UN77991	Rsa1.0_00057.1	136	160473	2.00E-50	129	137	94 -	1	136	98842	98978
UN77992	Rsa1.0_04881.1	697	15608	0	676	704	96 -	2	690	8531	9234
UN77993	Rsa1.0_00640.1	546	70979	0	540	544	99 -	1	544	28030	28573
UN77994	Rsa1.0_01042.1	261	293264	3.00E-81	235	258	91 +	7	258	141031	141287
UN77995	Rsa1.0_00038.1	550	314568	1.00E-141	336	360	93 -	2	354	167365	167721
UN77996	Rsa1.0_02008.1	366	36109	7.00E-74	151	153	98 +	2	154	9815	9966
UN77997	Rsa1.0_00291.1	558	172129	1.00E-100	265	286	92 -	1	286	12089	12370
UN77998	Rsa1.0_00122.1	826	265937	0	658	724	90 +	7	719	107077	107781

UN77999	Rsa1.0.00024.1	246	188018	2.00E-67	191	207	92 -	12	212	18170	18375
UN78000	Rsa1.0.00076.1	577	146021	0	517	540	95 +	4	538	76788	77317
UN78001	Rsa1.0.05347.1	343	14096	1.00E-131	321	344	93 -	1	343	9450	9779
UN78002	Rsa1.0.01932.1	214	37177	3.00E-84	203	216	93 +	2	214	11000	11214
UN78003	Rsa1.0.05322.1	755	14154	0	730	755	96 +	4	755	762	1514
UN78004	Rsa1.0.00394.1	804	148426	0	516	546	94 +	14	546	135144	135687
UN78005	Rsa1.0.05389.1	717	13943	0	453	477	94 -	2	474	8760	9233
UN78006	Rsa1.0.01029.1	532	256254	1.00E-152	336	359	93 -	3	346	2337	2694
UN78007	Rsa1.0.00462.1	202	82288	5.00E-67	163	173	94 -	1	172	36576	36748
UN78008	Rsa1.0.00033.1	395	515811	2.00E-52	241	282	85 -	11	292	469201	469475
UN78009	Rsa1.0.01727.1	359	40243	1.00E-143	339	361	93 -	2	359	27964	28322
UN78010	Rsa1.0.00955.1	325	58358	1.00E-160	315	325	96 +	1	325	8483	8807
UN78011	Rsa1.0.00089.1	517	406142	1.00E-101	235	251	93 -	198	448	360701	360951
UN78012	Rsa1.0.10544.1	367	5807	1.00E-132	281	294	95 +	75	367	4750	5037
UN78013	Rsa1.0.00666.1	162	69505	3.00E-62	146	153	95 -	11	162	27871	28023
UN78014	Rsa1.0.01703.1	762	40713	1.00E-167	364	382	95 -	57	433	22097	22475
UN78015	Rsa1.0.02184.1	777	34166	0	749	778	96 +	5	777	2261	3037
UN78016	Rsa1.0.00006.1	254	396176	9.00E-91	226	245	92 +	4	248	368593	368837
UN78017	Rsa1.0.07727.1	336	8700	1.00E-158	313	323	96 +	1	323	8378	8700
UN78018	Rsa1.0.01117.1	593	53465	0	549	556	98 -	2	557	20333	20888
UN78019	Rsa1.0.00600.1	335	73395	1.00E-149	318	335	94 -	1	335	26459	26793
UN78020	Rsa1.0.07381.1	131	9488	2.00E-56	123	127	96 +	5	131	4036	4162
UN78021	Rsa1.0.23933.1	371	1016	1.00E-108	239	248	96 -	39	283	195	439
UN78022	Rsa1.0.55981.1	367	408	0	360	367	98 -	1	367	41	406
UN78023	Rsa1.0.00087.1	425	761073	1.00E-135	371	412	90 +	19	425	9282	9692
UN78024	Rsa1.0.02181.1	280	34172	1.00E-120	265	280	94 -	1	277	20299	20578
UN78025	Rsa1.0.13787.1	666	4338	1.00E-111	238	248	95 +	1	242	3585	3832
UN78026	Rsa1.0.04835.1	100	15766	1.00E-41	95	98	96 +	1	98	9375	9472
UN78027	Rsa1.0.02796.1	745	27805	1.00E-142	294	302	97 -	1	298	16192	16491
UN78028	Rsa1.0.02267.1	139	33194	6.00E-32	110	122	90 +	18	139	28602	28722
UN78029	Rsa1.0.00875.1	462	61371	0	421	435	96 +	5	439	58197	58631
UN78030	Rsa1.0.03420.1	816	23090	1.00E-129	251	254	98 -	2	253	668	921
UN78031	Rsa1.0.07528.1	305	9195	1.00E-155	300	306	98 -	1	305	3578	3883
UN78032	Rsa1.0.00139.1	721	357786	0	418	419	99 +	3	421	236267	236685
UN78033	Rsa1.0.12222.1	392	5285	0	376	392	95 -	1	392	3539	3930
UN78034	Rsa1.0.00100.1	569	249232	0	449	480	93 +	7	480	221767	222245
UN78035	Rsa1.0.03997.1	799	19652	1.00E-108	215	220	97 +	220	439	6061	6280
UN78036	Rsa1.0.01481.1	782	184562	2.00E-76	155	158	98 +	250	407	152080	152237
UN78037	Rsa1.0.09074.1	493	6670	1.00E-118	268	284	94 +	27	310	2999	3277

UN78038	Rsa1.0.08846.1	525	6867	1.00E-109	240	253	94 -	1	253	3201	3453
UN78039	Rsa1.0.00032.1	342	306326	1.00E-158	327	339	96 -	1	339	191383	191719
UN78040	Rsa1.0.02223.1	519	152421	1.00E-100	245	260	94 +	2	258	18692	18949
UN78041	Rsa1.0.02480.1	609	31036	3.00E-99	190	192	98 -	1	192	12697	12888
UN78042	Rsa1.0.04210.1	754	18442	0	401	413	97 -	5	417	5871	6283
UN78043	Rsa1.0.00135.1	318	178077	1.00E-148	306	316	96 +	2	314	112641	112955
UN78044	Rsa1.0.00251.1	444	303968	4.00E-88	193	201	96 +	3	203	121022	121221
UN78045	Rsa1.0.00632.1	309	183777	3.00E-79	198	214	92 +	5	218	15025	15238
UN78046	Rsa1.0.00150.1	207	154416	2.00E-94	199	207	96 +	1	207	17287	17493
UN78047	Rsa1.0.00476.1	366	280966	2.33E-156	333	355	93 +	9	362	213017	213371
UN78048	Rsa1.0.00190.1	465	318240	0	446	468	95 -	1	465	94564	95031
UN78049	Rsa1.0.00017.1	178	752458	3.00E-37	88	91	96 +	5	95	272318	272408
UN78050	Rsa1.0.00716.1	654	67078	2.00E-51	158	173	91 -	487	654	30229	30400
UN78051	Rsa1.0.00040.1	421	324196	1.00E-178	396	419	94 +	6	421	167261	167678
UN78052	Rsa1.0.01254.1	240	49801	1.00E-126	237	240	98 -	1	240	2285	2524
UN78053	Rsa1.0.01717.1	788	143162	0	770	788	97 -	1	788	114230	115017
UN78054	Rsa1.0.02458.1	398	31197	6.00E-90	192	200	96 +	6	205	8233	8432
UN78055	Rsa1.0.00295.1	518	152597	0	479	508	94 +	5	512	48276	48776
UN78056	Rsa1.0.10000.1	648	6043	0	608	654	92 -	3	648	4463	5104
UN78057	Rsa1.0.00001.1	462	363028	1.00E-100	207	213	97 -	4	216	14633	14844
UN78058	Rsa1.0.13979.1	444	3964	0	378	393	96 -	8	400	2932	3324
UN78059	Rsa1.0.00480.1	485	81325	0	471	485	97 +	1	485	62862	63342
UN78060	Rsa1.0.03992.1	733	19675	1.00E-131	249	253	98 -	481	733	11719	11971
UN78061	Rsa1.0.12658.1	756	5161	7.00E-91	246	270	91 -	54	322	33	302
UN78062	Rsa1.0.06073.1	731	11807	0	594	629	94 -	1	629	4362	4978
UN78063	Rsa1.0.01286.1	760	49209	0	598	680	87 +	2	649	12438	13092
UN78064	Rsa1.0.00669.1	676	69419	1.00E-123	236	240	98 +	1	240	18555	18794
UN78065	Rsa1.0.06100.1	795	11746	2.00E-70	159	166	95 +	546	708	189	354
UN78066	Rsa1.0.00228.1	203	105511	2.00E-60	158	170	92 +	37	203	42088	42254
UN78067	Rsa1.0.02163.1	421	34427	4.00E-82	181	189	95 -	2	187	5688	5876
UN78068	Rsa1.0.01847.1	648	38346	1.00E-113	220	224	98 -	251	474	9939	10162
UN78069	Rsa1.0.01263.1	348	49703	2.00E-68	153	160	95 -	176	335	39811	39970
UN78070	Rsa1.0.03261.1	667	24281	3.00E-90	184	189	97 -	341	529	4757	4945
UN78071	Rsa1.0.00333.1	667	94500	1.00E-118	293	314	93 +	181	491	41493	41804
UN78072	Rsa1.0.00363.1	564	90968	2.00E-87	193	203	95 -	223	419	53874	54076
UN78073	Rsa1.0.07689.1	413	8790	1.00E-130	245	247	99 +	167	413	137	382
UN78074	Rsa1.0.00251.1	191	303968	1.00E-30	80	84	95 -	28	111	121720	121803
UN78075	Rsa1.0.00048.1	600	167185	1.00E-125	271	284	95 +	322	600	4501	4784
UN78076	Rsa1.0.00905.1	704	60110	2.00E-69	236	270	87 -	42	311	16034	16303

UN78077	Rsa1.0_01245.1	641	149868	0	445	464	95 +	181	641	26708	27168
UN78078	Rsa1.0_53602.1	510	425	1.00E-102	195	196	99 +	3	197	230	425
UN78079	Rsa1.0_00018.1	623	410899	6.00E-85	163	164	99 -	460	623	407444	407607
UN78080	Rsa1.0_00101.1	678	267193	0	446	460	96 +	221	678	219932	220391
UN78081	Rsa1.0_00435.1	447	317579	1.00E-121	234	237	98 -	4	239	4602	4838
UN78082	Rsa1.0_17623.1	396	1781	0	376	388	96 +	9	396	1044	1431
UN78083	Rsa1.0_00246.1	504	103541	0	459	485	94 -	20	504	78393	78877
UN78084	Rsa1.0_02951.1	714	26505	4.00E-74	148	150	98 -	223	372	3761	3910
UN78085	Rsa1.0_10759.1	445	5727	0	428	437	97 -	1	434	3456	3892
UN78086	Rsa1.0_00001.1	250	363028	1.00E-113	239	250	95 +	1	250	248322	248571
UN78087	Rsa1.0_01945.1	715	36989	0	687	722	95 -	1	715	26392	27113
UN78088	Rsa1.0_00033.1	105	515811	2.00E-24	72	77	93 +	1	77	371701	371777
UN78089	Rsa1.0_01484.1	545	44806	4.00E-67	173	182	95 -	1	180	27310	27489
UN78090	Rsa1.0_00722.1	156	66840	3.00E-28	94	104	90 -	53	156	21205	21308
UN78091	Rsa1.0_11720.1	103	5430	7.00E-40	98	103	95 +	1	103	2579	2681
UN78092	Rsa1.0_03088.1	362	25476	8.00E-83	187	196	95 -	1	195	671	866
UN78093	Rsa1.0_00047.1	522	168582	1.00E-129	314	336	93 -	1	332	99347	99680
UN78094	Rsa1.0_02264.1	583	33233	0	468	473	98 -	1	473	9397	9866
UN78095	Rsa1.0_10308.1	681	5894	1.00E-156	292	296	98 +	186	481	5439	5734
UN78096	Rsa1.0_08271.1	578	7620	4.00E-98	248	270	91 -	6	275	6754	7023
UN78097	Rsa1.0_09702.1	546	6201	0	523	552	94 +	13	546	1220	1771
UN78098	Rsa1.0_29259.1	535	788	1.00E-131	240	241	99 -	290	530	548	788
UN78099	Rsa1.0_03167.1	663	24858	1.00E-131	247	249	99 -	397	644	14503	14751
UN78100	Rsa1.0_01286.1	635	49209	1.00E-106	202	204	99 -	3	206	14946	15149
UN78101	Rsa1.0_03945.1	523	19924	1.00E-122	239	244	97 +	3	242	13762	14005
UN78102	Rsa1.0_00945.1	655	58714	0	569	572	99 -	2	573	7754	8325
UN78103	Rsa1.0_00646.1	385	70473	4.00E-91	208	220	94 +	104	323	8115	8331
UN78104	Rsa1.0_00007.1	515	239325	0	440	474	92 -	2	464	31577	32050
UN78105	Rsa1.0_07130.1	539	9861	1.00E-159	332	348	95 +	3	350	7834	8175
UN78106	Rsa1.0_00978.1	641	57739	0	476	499	95 +	143	641	1744	2237
UN78107	Rsa1.0_00228.1	638	105511	1.00E-134	282	295	95 -	125	419	43291	43585
UN78108	Rsa1.0_00661.1	643	213041	0	594	653	90 -	1	629	196972	197612
UN78109	Rsa1.0_11724.1	311	5428	1.00E-150	299	309	96 +	2	310	5025	5333
UN78110	Rsa1.0_00548.1	643	76518	0	603	663	90 +	1	643	63619	64254
UN78111	Rsa1.0_02479.1	588	31038	1.00E-156	304	310	98 -	1	307	12979	13287
UN78112	Rsa1.0_03037.1	272	25825	4.00E-93	248	269	92 +	1	267	10604	10871
UN78113	Rsa1.0_00415.1	597	86795	0	355	361	98 -	240	597	13193	13553
UN78114	Rsa1.0_02921.1	702	26779	9.00E-78	148	148	100 +	555	702	6783	6930
UN78115	Rsa1.0_00209.1	588	108531	0	560	588	95 -	1	588	18723	19310

UN78116	Rsa1.0.05283.1	577	14270	1.00E-88	215	230	93 +	1	229	8556	8785
UN78117	Rsa1.0.03325.1	209	23720	7.00E-85	198	210	94 +	2	209	14655	14864
UN78118	Rsa1.0.04788.1	507	15984	1.00E-126	256	265	96 -	243	507	4757	5021
UN78119	Rsa1.0.01313.1	686	48387	1.00E-145	305	318	95 +	1	318	8861	9173
UN78120	Rsa1.0.00087.1	177	761073	9.00E-81	171	177	96 -	1	177	217410	217582
UN78121	Rsa1.0.09226.1	138	6545	6.00E-41	127	139	91 -	1	135	52	190
UN78122	Rsa1.0.00035.1	509	176449	0	488	509	95 +	1	509	51495	52003
UN78123	Rsa1.0.00017.1	437	752458	0	430	436	98 -	3	437	465556	465991
UN78124	Rsa1.0.00459.1	510	82580	1.00E-170	342	354	96 -	2	354	20821	21174
UN78125	Rsa1.0.01884.1	313	37659	3.00E-48	116	122	95 -	134	255	32903	33024
UN78126	Rsa1.0.00789.1	861	64233	0	376	383	98 -	1	379	53473	53854
UN78127	Rsa1.0.02783.1	875	27927	0	438	462	94 +	377	831	7918	8379
UN78128	Rsa1.0.10942.1	286	5669	1.00E-120	261	274	95 +	4	277	1132	1403
UN78129	Rsa1.0.00739.1	242	66155	1.00E-107	218	224	97 +	1	224	52095	52317
UN78130	Rsa1.0.04843.1	645	15756	0	608	647	93 +	1	645	14242	14872
UN78131	#	#	#	#	#	#	#	#	#	#	#
UN78132	Rsa1.0.00218.1	779	201480	0	534	565	94 +	55	619	116182	116736
UN78133	Rsa1.0.00312.1	542	96765	0	518	540	95 +	4	542	57935	58463
UN78134	Rsa1.0.00910.1	699	59975	0	678	708	95 -	1	699	27569	28276
UN78135	Rsa1.0.12228.1	252	5281	3.00E-78	187	200	93 +	1	200	4496	4695
UN78136	Rsa1.0.01955.1	473	36850	0	471	474	99 +	1	473	33335	33808
UN78137	Rsa1.0.00107.1	565	431659	0	534	552	96 +	16	565	14070	14619
UN78138	Rsa1.0.10601.1	202	5789	1.00E-43	183	206	88 -	2	202	5066	5265
UN78139	Rsa1.0.00329.1	251	222544	3.00E-78	228	256	89 +	1	251	30054	30300
UN78140	Rsa1.0.16086.1	539	2289	2.00E-72	172	183	93 -	20	202	1078	1260
UN78141	Rsa1.0.00329.1	724	222544	0	479	505	94 -	43	537	154475	154978
UN78142	Rsa1.0.01655.1	196	41508	3.00E-59	164	180	91 +	1	180	1909	2088
UN78143	Rsa1.0.02161.1	558	34459	0	512	516	99 +	43	558	21364	21879
UN78144	Rsa1.0.01504.1	163	189978	8.00E-47	137	148	92 -	1	145	148299	148443
UN78145	#	#	#	#	#	#	#	#	#	#	#
UN78146	Rsa1.0.00048.1	590	167185	0	384	391	98 -	1	391	100204	100592
UN78147	Rsa1.0.00426.1	558	85668	2.00E-84	177	183	96 -	376	558	68013	68195
UN78148	Rsa1.0.02058.1	302	35532	8.00E-98	277	308	89 +	2	302	14562	14869
UN78149	Rsa1.0.20971.1	558	1249	1.00E-176	384	401	95 -	3	401	1	393
UN78150	Rsa1.0.00025.1	486	277312	4.00E-76	148	149	99 -	338	486	130886	131034
UN78151	Rsa1.0.03771.1	788	20942	0	726	757	95 +	32	788	20020	20776
UN78152	Rsa1.0.00478.1	726	81419	1.00E-165	477	533	89 +	145	676	7680	8208
UN78153	Rsa1.0.00003.1	163	340054	7.00E-35	139	159	87 +	8	163	136770	136925
UN78154	Rsa1.0.00604.1	395	146282	2.00E-96	221	234	94 -	1	230	17895	18125

UN78155	Rsa1.0.00065.1	468	454616	1.00E-101	218	227	96 +	42	268	231288	231513
UN78156	Rsa1.0.00589.1	451	209965	2.00E-87	256	285	89 -	1	277	62065	62337
UN78157	Rsa1.0.00364.1	260	90951	1.00E-77	165	171	96 -	1	171	16823	16993
UN78158	Rsa1.0.15173.1	677	2779	1.00E-128	329	357	92 -	18	367	1651	2001
UN78159	Rsa1.0.01591.1	158	42718	2.00E-29	91	98	92 -	41	137	16746	16843
UN78160	Rsa1.0.04846.1	205	15739	4.00E-37	163	189	86 -	18	205	13621	13806
UN78161	Rsa1.0.00034.1	103	260119	2.00E-28	89	96	92 +	1	96	121381	121475
UN78162	Rsa1.0.02402.1	566	31710	1.00E-180	332	336	98 +	1	336	28969	29304
UN78163	Rsa1.0.00586.1	211	163802	8.00E-94	202	210	96 +	3	211	154475	154684
UN78164	Rsa1.0.01632.1	547	181224	1.00E-113	291	319	91 -	7	313	27928	28242
UN78165	Rsa1.0.00361.1	463	91181	0	451	463	97 +	1	463	69874	70334
UN78166	Rsa1.0.00377.1	715	90038	3.00E-87	311	357	87 +	44	374	28031	28387
UN78167	Rsa1.0.02811.1	198	27669	4.00E-49	118	123	95 +	77	198	21269	21391
UN78168	Rsa1.0.00329.1	607	222544	1.00E-135	290	305	95 +	280	584	84114	84418
UN78169	Rsa1.0.11549.1	422	5473	1.00E-180	354	364	97 +	39	402	4631	4993
UN78170	Rsa1.0.03506.1	550	22416	0	531	554	95 -	1	550	8426	8974
UN78171	Rsa1.0.01223.1	735	50392	1.00E-160	382	414	92 -	321	734	47158	47565
UN78172	Rsa1.0.00976.1	254	57809	6.00E-55	238	280	85 +	5	254	15507	15779
UN78173	Rsa1.0.00593.1	525	143463	0	511	514	99 +	1	513	135654	136167
UN78174	Rsa1.0.02451.1	166	31283	1.00E-24	109	126	86 -	1	126	2439	2564
UN78175	Rsa1.0.00526.1	696	169279	0	535	554	96 +	2	551	128355	128908
UN78176	Rsa1.0.00820.1	131	62911	8.00E-59	124	127	97 +	5	131	61923	62049
UN78177	Rsa1.0.00123.1	343	325650	9.00E-64	218	251	86 -	97	343	235850	236084
UN78178	Rsa1.0.00797.1	612	63959	0	499	515	96 -	97	609	60247	60759
UN78179	Rsa1.0.02193.1	292	34040	7.00E-15	69	77	89 +	200	276	5920	5994
UN78180	Rsa1.0.03099.1	466	139424	7.00E-56	111	111	100 -	119	229	1853	1963
UN78181	Rsa1.0.03762.1	159	20976	4.00E-61	122	123	99 +	34	156	477	599
UN78182	Rsa1.0.02783.1	779	27927	0	424	444	95 -	275	709	8430	8873
UN78183	Rsa1.0.00471.1	648	81897	0	619	652	94 +	1	648	35962	36608
UN78184	#	#	#	#	#	#	#	#	#	#	#
UN78185	Rsa1.0.03777.1	628	20922	0	612	635	96 +	1	628	479	1109
UN78186	Rsa1.0.04843.1	630	15756	0	625	629	99 -	3	630	14936	15564
UN78187	Rsa1.0.00497.1	728	79830	5.00E-92	185	188	98 +	542	728	54334	54521
UN78188	Rsa1.0.00188.1	678	112020	0	560	578	96 -	107	678	99751	100323
UN78189	Rsa1.0.00002.1	605	601661	0	415	422	98 -	184	605	86260	86681
UN78190	Rsa1.0.00527.1	660	77733	1.00E-112	276	298	92 -	332	626	58087	58381
UN78191	Rsa1.0.00218.1	715	201480	0	508	512	99 -	2	513	118929	119440
UN78192	Rsa1.0.00092.1	710	659932	2.33E-156	320	336	95 -	373	704	517125	517458
UN78193	Rsa1.0.01673.1	813	41197	0	469	479	97 -	98	575	10059	10537

UN78194	Rsa1.0.01429.1	215	46061	1.00E-111	212	215	98 -	1	215	33385	33599
UN78195	Rsa1.0.00087.1	700	761073	0	565	592	95 -	108	699	78764	79355
UN78196	Rsa1.0.00665.1	826	69539	1.00E-176	333	337	98 +	488	821	64632	64968
UN78197	Rsa1.0.01217.1	689	50554	0	481	497	96 +	182	678	22108	22604
UN78198	Rsa1.0.02753.1	559	28215	3.00E-74	157	162	96 +	8	169	4177	4338
UN78199	Rsa1.0.02643.1	437	29176	1.00E-152	319	333	95 +	1	332	4017	4349
UN78200	Rsa1.0.00032.1	289	306326	1.00E-117	272	290	93 +	1	289	284940	285229
UN78201	Rsa1.0.00289.1	730	98620	0	673	694	96 -	1	694	58970	59663
UN78202	Rsa1.0.01949.1	507	36960	1.00E-153	388	421	92 +	31	445	20410	20826
UN78203	Rsa1.0.07441.1	701	9388	1.00E-148	272	274	99 -	1	274	1725	1998
UN78204	Rsa1.0.01743.1	394	39926	0	390	393	99 +	2	394	6754	7146
UN78205	Rsa1.0.02499.1	436	30774	1.00E-114	239	248	96 -	1	247	18971	19218
UN78206	Rsa1.0.14207.1	687	3667	1.00E-172	321	326	98 -	1	326	4	329
UN78207	Rsa1.0.01545.1	674	43599	0	663	680	97 +	1	674	25147	25825
UN78208	Rsa1.0.00010.1	504	294827	0	449	482	93 -	25	504	145665	146136
UN78209	Rsa1.0.00761.1	522	65133	1.00E-178	339	344	98 -	1	342	62157	62500
UN78210	Rsa1.0.60987.1	454	376	3.00E-95	204	213	95 +	119	331	164	376
UN78211	Rsa1.0.00045.1	626	328694	0	453	479	94 +	1	472	163305	163782
UN78212	Rsa1.0.00855.1	376	62047	1.00E-127	275	290	94 -	1	290	18514	18803
UN78213	Rsa1.0.03342.1	786	23600	1.00E-155	308	318	96 +	120	427	7032	7349
UN78214	Rsa1.0.00131.1	532	432233	7.00E-78	167	172	97 +	1	172	423680	423850
UN78215	Rsa1.0.09321.1	775	6456	0	444	458	96 +	98	552	4640	5095
UN78216	Rsa1.0.08586.1	771	7157	1.00E-131	272	285	95 +	487	771	1944	2219
UN78217	Rsa1.0.02022.1	463	35923	1.00E-118	270	288	93 -	1	288	14054	14341
UN78218	Rsa1.0.18699.1	610	1549	0	376	379	99 +	1	379	850	1227
UN78219	Rsa1.0.00221.1	584	106972	0	549	582	94 +	1	578	51633	52212
UN78220	Rsa1.0.00646.1	131	70473	2.00E-28	101	111	90 +	7	114	6054	6164
UN78221	Rsa1.0.00630.1	236	71281	1.00E-111	230	238	96 +	1	236	66492	66729
UN78222	Rsa1.0.00964.1	640	316648	0	490	504	97 +	1	503	264753	265255
UN78223	Rsa1.0.00124.1	339	262503	1.00E-166	328	339	96 +	1	339	86602	86940
UN78224	Rsa1.0.03092.1	120	25448	1.00E-35	109	120	90 +	1	120	8897	9016
UN78225	Rsa1.0.00722.1	628	66840	0	621	634	97 +	1	628	19032	19663
UN78226	Rsa1.0.00332.1	770	94575	1.00E-138	312	335	93 +	3	325	77802	78136
UN78227	Rsa1.0.01652.1	166	41579	2.00E-84	164	166	98 +	1	166	985	1150
UN78228	Rsa1.0.00482.1	305	81162	1.00E-127	289	306	94 -	1	305	66187	66490
UN78229	Rsa1.0.00519.1	401	197864	0	389	407	95 -	1	401	68910	69313
UN78230	Rsa1.0.14584.1	359	3240	1.00E-148	293	302	97 -	1	302	150	451
UN78231	Rsa1.0.00526.1	567	169279	0	374	383	97 -	186	567	148177	148559
UN78232	Rsa1.0.00279.1	518	100039	1.00E-105	249	266	93 +	224	489	83441	83705

UN78233	Rsa1.0_01219.1	590	50527	1.00E-122	226	227	99 +	42	268	43108	43334
UN78234	Rsa1.0_04462.1	707	17250	7.00E-23	164	200	82 +	214	413	13741	13940
UN78235	Rsa1.0_02556.1	777	30133	0	503	536	93 -	1	518	4196	4727
UN78236	Rsa1.0_04603.1	331	16682	1.00E-168	323	331	97 -	1	331	7849	8179
UN78237	Rsa1.0_00046.1	449	320315	0	434	450	96 -	1	449	27813	28262
UN78238	Rsa1.0_00455.1	729	224823	0	714	729	97 +	1	729	166377	167104
UN78239	Rsa1.0_02163.1	690	34427	1.00E-154	295	301	98 +	286	586	4861	5161
UN78240	#	#	#	#	#	#	#	#	#	#	#
UN78241	Rsa1.0_05867.1	312	12375	1.00E-166	308	312	98 -	1	312	9759	10070
UN78242	Rsa1.0_00273.1	720	326186	0	351	352	99 +	1	352	140179	140530
UN78243	Rsa1.0_00195.1	141	251884	1.00E-57	125	129	96 -	1	129	83744	83872
UN78244	Rsa1.0_00124.1	411	262503	0	366	376	97 -	2	374	84595	84968
UN78245	Rsa1.0_04428.1	593	17399	1.00E-158	363	390	93 +	204	593	12948	13331
UN78246	Rsa1.0_00941.1	525	58891	2.00E-90	193	200	96 +	328	525	44924	45123
UN78247	#	#	#	#	#	#	#	#	#	#	#
UN78248	Rsa1.0_00383.1	103	398431	7.00E-34	76	77	98 +	26	102	212467	212543
UN78249	Rsa1.0_00358.1	332	91293	1.00E-166	323	332	97 -	1	332	90098	90429
UN78250	Rsa1.0_00333.1	555	94500	0	510	554	92 -	3	555	42316	42845
UN78251	Rsa1.0_01242.1	475	50066	0	422	428	98 +	2	429	21731	22158
UN78252	Rsa1.0_03316.1	681	23785	0	360	369	97 -	309	677	23169	23537
UN78253	Rsa1.0_07834.1	691	8453	0	680	687	98 +	3	689	5013	5699
UN78254	Rsa1.0_08255.1	806	7652	0	415	440	94 -	30	466	2723	3162
UN78255	Rsa1.0_04947.1	759	15367	0	611	665	91 -	94	753	12517	13181
UN78256	Rsa1.0_00121.1	182	278029	2.00E-78	173	180	96 +	1	180	9638	9816
UN78257	Rsa1.0_00049.1	556	167018	3.00E-77	279	324	86 +	62	384	44743	45049
UN78258	Rsa1.0_03898.1	516	20183	1.00E-156	359	384	93 -	1	377	2513	2887
UN78259	Rsa1.0_17732.1	640	1754	0	377	384	98 -	109	492	1	384
UN78260	Rsa1.0_00273.1	760	326186	0	446	457	97 -	265	719	141471	141927
UN78261	Rsa1.0_00107.1	212	431659	1.00E-108	212	214	99 -	1	212	152564	152777
UN78262	Rsa1.0_00097.1	556	138858	0	406	420	96 +	1	415	111695	112113
UN78263	Rsa1.0_00981.1	522	57700	1.00E-121	264	276	95 +	87	361	13052	13326
UN78264	Rsa1.0_03278.1	594	24125	1.00E-134	242	242	100 +	327	568	12984	13225
UN78265	Rsa1.0_01242.1	526	50066	5.00E-91	194	202	96 -	32	233	23252	23453
UN78266	Rsa1.0_00192.1	355	278200	1.00E-163	336	351	95 -	1	351	78283	78633
UN78267	Rsa1.0_00323.1	380	159650	1.00E-180	367	381	96 -	1	377	148155	148535
UN78268	Rsa1.0_02043.1	136	163754	8.00E-59	133	138	96 +	1	136	2765	2902
UN78269	Rsa1.0_05951.1	369	12128	5.00E-81	153	153	100 -	60	212	11265	11417
UN78270	Rsa1.0_00407.1	409	191544	0	350	355	98 +	1	354	32821	33174
UN78271	Rsa1.0_00479.1	455	81377	1.00E-101	227	239	94 -	1	238	29011	29249

UN78272	Rsa1.0.03413.1	155	23137	6.00E-63	140	146	95 -	7	152	19391	19536
UN78273	Rsa1.0.01823.1	146	38765	3.00E-74	144	145	99 +	1	145	2091	2235
UN78274	Rsa1.0.00008.1	319	358124	1.00E-166	315	320	98 -	1	319	290796	291115
UN78275	Rsa1.0.02670.1	267	28887	1.00E-74	169	178	94 -	53	230	1836	2013
UN78276	Rsa1.0.04679.1	221	16430	1.00E-107	215	220	97 +	3	221	11426	11645
UN78277	Rsa1.0.01292.1	660	175783	1.00E-106	207	210	98 -	15	224	2295	2501
UN78278	Rsa1.0.04032.1	556	19489	0	415	437	94 +	7	442	6340	6776
UN78279	Rsa1.0.01893.1	535	37520	1.00E-163	301	303	99 -	1	303	11172	11473
UN78280	Rsa1.0.00516.1	653	78417	7.00E-66	202	224	90 +	72	293	6128	6351
UN78281	Rsa1.0.03490.1	360	22545	1.00E-126	323	358	90 +	3	360	12914	13245
UN78282	Rsa1.0.00207.1	708	248736	0	410	426	96 -	3	423	246022	246446
UN78283	Rsa1.0.00628.1	542	214360	1.00E-139	315	334	94 +	4	335	34426	34758
UN78284	Rsa1.0.00153.1	589	192931	1.00E-124	235	238	98 -	352	589	5526	5763
UN78285	Rsa1.0.17740.1	215	1752	8.00E-88	205	216	94 +	1	215	1242	1456
UN78286	Rsa1.0.00510.1	461	78718	0	448	466	96 -	3	461	57206	57668
UN78287	Rsa1.0.00470.1	670	81968	3.00E-31	91	98	92 -	452	549	1612	1709
UN78288	Rsa1.0.00469.1	488	82084	1.00E-66	309	362	85 -	128	487	11832	12176
UN78289	Rsa1.0.03581.1	690	21965	1.00E-52	115	118	97 -	320	437	15367	15484
UN78290	Rsa1.0.00077.1	592	145005	1.00E-134	280	290	96 -	2	290	43759	44046
UN78291	Rsa1.0.00356.1	654	91521	0	612	661	92 -	2	654	46775	47423
UN78292	Rsa1.0.00502.1	655	204180	3.00E-93	174	174	100 -	148	321	77996	78169
UN78293	Rsa1.0.28365.1	774	818	0	604	645	93 +	5	643	189	818
UN78294	Rsa1.0.10407.1	718	5858	0	536	580	92 -	4	580	546	1113
UN78295	Rsa1.0.01220.1	679	161775	1.00E-107	205	206	99 +	188	392	122648	122853
UN78296	Rsa1.0.01293.1	398	49139	1.00E-120	249	258	96 +	141	398	28083	28339
UN78297	Rsa1.0.10503.1	214	5824	7.00E-48	124	133	93 +	1	133	2130	2262
UN78298	Rsa1.0.05156.1	137	14648	2.00E-22	69	74	93 -	64	137	11085	11158
UN78299	Rsa1.0.02074.1	365	35370	1.00E-110	318	354	89 +	16	364	12052	12393
UN78300	Rsa1.0.00241.1	476	104000	0	472	481	98 -	2	476	13624	14104
UN78301	Rsa1.0.15677.1	371	2486	1.00E-128	294	312	94 +	61	371	3	313
UN78302	Rsa1.0.02211.1	658	33857	1.00E-158	402	447	89 -	1	418	32613	33058
UN78303	Rsa1.0.00296.1	168	97854	2.00E-69	148	153	96 -	3	155	22585	22737
UN78304	Rsa1.0.00201.1	380	232851	1.00E-168	327	335	97 -	47	380	151387	151721
UN78305	Rsa1.0.00260.1	225	102021	1.00E-119	223	225	99 -	1	225	64583	64807
UN78306	Rsa1.0.00830.1	518	62685	0	434	449	96 +	71	518	49095	49543
UN78307	Rsa1.0.09469.1	416	6346	1.00E-125	242	244	99 +	1	244	305	546
UN78308	Rsa1.0.00711.1	599	67223	1.00E-155	311	321	96 -	99	419	22148	22466
UN78309	Rsa1.0.00944.1	346	58733	1.00E-157	333	350	95 +	1	346	276	625
UN78310	Rsa1.0.00484.1	693	203294	0	557	586	95 -	114	690	26626	27203

UN78311	Rsa1.0.02606.1	326	29635	2.00E-95	223	237	94 -	94	322	26044	26277
UN78312	Rsa1.0.01429.1	681	46061	0	642	650	98 +	3	651	32034	32683
UN78313	Rsa1.0.00087.1	798	761073	0	735	783	93 +	31	797	77341	78123
UN78314	Rsa1.0.00767.1	703	64980	0	609	621	98 -	3	613	50246	50866
UN78315	Rsa1.0.01005.1	721	56967	0	354	359	98 +	356	713	36763	37121
UN78316	Rsa1.0.01121.1	159	53407	2.00E-84	158	158	100 -	2	159	28146	28303
UN78317	Rsa1.0.04923.1	460	15426	1.00E-106	204	207	98 -	25	231	6709	6915
UN78318	Rsa1.0.05156.1	745	14648	0	384	393	97 +	3	395	9929	10314
UN78319	Rsa1.0.04369.1	650	17703	2.33E-156	315	332	94 +	19	350	6542	6864
UN78320	Rsa1.0.02338.1	648	32390	0	606	641	94 +	9	648	16088	16726
UN78321	Rsa1.0.00065.1	692	454616	1.00E-141	294	307	95 +	3	309	172360	172666
UN78322	Rsa1.0.00363.1	596	90968	1.00E-153	286	290	98 -	262	551	10437	10726
UN78323	Rsa1.0.00183.1	700	113277	0	593	607	97 +	94	700	110521	111125
UN78324	#	#	#	#	#	#	#	#	#	#	#
UN78325	Rsa1.0.02748.1	627	28242	0	396	404	98 -	39	442	23669	24072
UN78326	Rsa1.0.00693.1	778	161311	0	760	777	97 +	2	775	36580	37356
UN78327	Rsa1.0.04735.1	769	16180	0	743	750	99 +	2	748	6837	7586
UN78328	Rsa1.0.06671.1	641	10563	1.00E-120	231	235	98 +	180	414	1364	1598
UN78329	Rsa1.0.15677.1	701	2486	1.00E-152	302	312	96 -	104	415	1655	1966
UN78330	Rsa1.0.02585.1	819	29865	1.00E-140	286	297	96 -	334	630	20510	20806
UN78331	Rsa1.0.00001.1	723	363028	1.00E-89	204	216	94 -	357	572	285546	285761
UN78332	Rsa1.0.00344.1	376	191774	1.00E-152	323	339	95 +	32	370	102407	102742
UN78333	Rsa1.0.00144.1	365	120708	1.00E-155	321	335	95 +	34	365	85247	85581
UN78334	Rsa1.0.00265.1	736	220635	0	523	532	98 -	207	736	152175	152706
UN78335	Rsa1.0.00346.1	812	93130	1.00E-167	394	424	92 -	3	413	41611	42033
UN78336	Rsa1.0.00425.1	760	147080	0	558	581	96 +	184	760	95758	96338
UN78337	Rsa1.0.00403.1	503	87701	0	487	506	96 -	1	503	67424	67920
UN78338	Rsa1.0.43909.1	214	512	5.00E-89	203	214	94 +	1	214	80	292
UN78339	Rsa1.0.02981.1	679	26285	1.00E-102	201	205	98 +	475	679	5587	5791
UN78340	Rsa1.0.00006.1	774	396176	1.00E-180	357	368	97 +	334	700	32186	32553
UN78341	Rsa1.0.00066.1	681	152418	0	648	679	95 -	3	681	74949	75612
UN78342	Rsa1.0.00215.1	680	201775	0	355	360	98 -	323	680	81299	81658
UN78343	Rsa1.0.00502.1	344	204180	1.00E-169	334	344	97 +	1	344	180525	180867
UN78344	Rsa1.0.01144.1	279	52431	1.00E-143	272	277	98 +	3	279	22915	23191
UN78345	Rsa1.0.02319.1	494	32580	1.00E-116	256	271	94 -	127	387	6827	7096
UN78346	Rsa1.0.02783.1	525	27927	0	388	396	97 +	130	525	14196	14591
UN78347	Rsa1.0.00688.1	448	68396	1.00E-121	273	290	94 +	144	427	7525	7812
UN78348	Rsa1.0.00053.1	550	263459	0	546	548	99 -	3	550	236400	236947
UN78349	Rsa1.0.00387.1	510	495407	1.00E-180	412	440	93 -	75	508	401063	401491

UN78350	Rsa1.0.01791.1	652	160383	0	635	654	97 -	2	652	34241	34894
UN78351	Rsa1.0.00939.1	629	185227	1.00E-175	359	375	95 -	218	592	52194	52568
UN78352	Rsa1.0.00058.1	578	159921	0	570	591	96 -	1	575	105348	105938
UN78353	Rsa1.0.07240.1	520	9676	1.00E-122	247	254	97 -	3	256	3296	3547
UN78354	Rsa1.0.02371.1	551	32069	0	541	551	98 +	2	551	27231	27779
UN78355	Rsa1.0.03100.1	553	25411	1.00E-116	263	279	94 -	229	507	19908	20183
UN78356	Rsa1.0.00065.1	607	454616	6.00E-57	197	223	88 -	9	231	202214	202432
UN78357	Rsa1.0.04872.1	720	15659	4.00E-43	101	104	97 -	2	102	283	386
UN78358	Rsa1.0.02241.1	446	33520	0	402	422	95 -	1	422	30511	30922
UN78359	Rsa1.0.04126.1	546	18939	1.00E-112	235	242	97 +	2	242	13223	13463
UN78360	Rsa1.0.00484.1	655	203294	1.00E-151	289	295	97 +	309	603	25449	25743
UN78361	Rsa1.0.03032.1	489	25836	2.00E-59	122	124	98 -	2	125	12592	12715
UN78362	Rsa1.0.01970.1	501	36648	0	497	501	99 +	1	501	1887	2387
UN78363	Rsa1.0.01382.1	403	46877	1.00E-130	282	298	94 -	2	299	38701	38991
UN78364	Rsa1.0.45348.1	278	497	3.00E-54	117	120	97 +	2	121	362	481
UN78365	Rsa1.0.04411.1	590	142979	1.00E-115	211	211	100 -	209	419	130503	130713
UN78366	Rsa1.0.00493.1	805	80007	0	458	479	95 +	334	805	17635	18113
UN78367	Rsa1.0.00978.1	761	57739	0	610	640	95 +	3	639	41966	42599
UN78368	Rsa1.0.00716.1	519	67078	1.00E-135	380	416	91 +	2	415	28727	29137
UN78369	Rsa1.0.01484.1	632	44806	1.00E-134	318	340	93 +	2	338	25151	25478
UN78370	Rsa1.0.20222.1	469	1326	1.00E-113	223	228	97 +	242	469	1	228
UN78371	Rsa1.0.00010.1	549	294827	0	526	547	96 +	3	549	101519	102065
UN78372	Rsa1.0.00128.1	314	228675	8.00E-98	198	203	97 -	112	314	116158	116357
UN78373	Rsa1.0.00101.1	701	267193	5.00E-58	118	119	99 +	579	697	208637	208755
UN78374	Rsa1.0.01926.1	773	37206	0	382	390	97 +	184	573	13345	13734
UN78375	Rsa1.0.00612.1	483	72376	1.00E-82	156	156	100 -	328	483	65220	65375
UN78376	Rsa1.0.00097.1	361	138858	2.00E-98	182	182	100 -	139	320	74510	74691
UN78377	Rsa1.0.05205.1	594	14513	2.00E-63	127	128	99 +	103	230	12114	12241
UN78378	Rsa1.0.00610.1	649	72740	0	464	485	95 -	49	533	44623	45104
UN78379	Rsa1.0.01845.1	614	38415	1.00E-179	330	334	98 -	3	336	23596	23929
UN78380	Rsa1.0.03185.1	755	24739	2.00E-88	166	166	100 -	359	524	4793	4958
UN78381	Rsa1.0.00104.1	517	368722	0	494	530	93 +	2	517	238878	239404
UN78382	Rsa1.0.00139.1	645	357786	1.00E-123	225	225	100 -	41	265	137864	138088
UN78383	Rsa1.0.00675.1	737	145590	0	708	735	96 -	3	737	67782	68516
UN78384	Rsa1.0.00033.1	682	515811	1.00E-133	259	265	97 +	246	510	354853	355117
UN78385	Rsa1.0.03517.1	494	22337	1.00E-122	310	337	91 -	151	473	3877	4213
UN78386	Rsa1.0.00027.1	708	283362	0	698	707	98 -	3	708	122466	123172
UN78387	Rsa1.0.00092.1	684	659932	4.00E-21	101	116	87 -	228	343	475335	475448
UN78388	Rsa1.0.24295.1	511	994	2.00E-68	132	132	100 +	72	203	1	132

UN78389	Rsa1.0_16460.1	566	2148	0	505	523	96 +	6	528	132	654
UN78390	Rsa1.0_01010.1	493	56906	6.00E-78	169	176	96 -	316	491	15736	15911
UN78391	Rsa1.0_01504.1	553	189978	0	535	554	96 +	3	553	147903	148447
UN78392	Rsa1.0_00048.1	784	167185	1.00E-125	237	240	98 +	332	571	99604	99843
UN78393	Rsa1.0_00426.1	790	85668	0	513	544	94 +	3	543	66994	67527
UN78394	Rsa1.0_02377.1	230	31994	9.00E-57	145	155	93 -	3	155	20012	20166
UN78395	Rsa1.0_02921.1	664	26779	2.00E-88	196	206	95 -	446	651	8691	8896
UN78396	Rsa1.0_00127.1	730	127446	5.00E-55	110	110	100 +	474	583	20383	20492
UN78397	Rsa1.0_00407.1	631	191544	2.00E-97	181	181	100 -	292	472	33645	33825
UN78398	Rsa1.0_01661.1	455	41400	1.00E-38	100	106	94 -	305	410	23510	23615
UN78399	Rsa1.0_10474.1	104	5835	2.00E-52	104	104	100 +	1	104	5433	5536
UN78400	Rsa1.0_00825.1	551	62855	7.00E-78	168	174	96 +	179	349	49470	49643
UN78401	Rsa1.0_02058.1	302	35532	1.00E-121	287	308	93 -	1	301	14562	14869
UN78402	Rsa1.0_00025.1	746	277312	1.00E-110	239	250	95 +	221	464	129638	129887
UN78403	Rsa1.0_03413.1	779	23137	0	406	423	95 +	360	779	18957	19379
UN78404	Rsa1.0_11574.1	810	5468	0	629	664	94 -	160	810	3402	4065
UN78405	Rsa1.0_03360.1	449	23459	0	448	448	100 +	2	449	6726	7173
UN78406	Rsa1.0_00036.1	686	176186	0	495	519	95 +	2	518	26279	26791
UN78407	Rsa1.0_00111.1	632	390088	1.00E-109	212	216	98 +	417	632	75782	75997
UN78408	Rsa1.0_02070.1	686	158516	1.00E-166	380	408	93 +	17	418	138407	138814
UN78409	Rsa1.0_01168.1	425	153765	3.00E-76	204	222	91 -	208	425	23513	23728
UN78410	Rsa1.0_03005.1	515	26082	0	425	444	95 -	3	440	12981	13418
UN78411	Rsa1.0_05694.1	724	12903	1.00E-73	174	185	94 -	138	322	9767	9951
UN78412	Rsa1.0_00116.1	522	365886	3.00E-83	166	169	98 -	168	336	53497	53665
UN78413	Rsa1.0_00237.1	614	235974	0	573	613	93 -	2	614	47862	48474
UN78414	Rsa1.0_00040.1	535	324196	0	534	535	99 -	2	535	62093	62627
UN78415	Rsa1.0_01292.1	518	175783	0	396	398	99 +	122	518	745	1142
UN78416	Rsa1.0_03330.1	797	23671	0	427	434	98 +	2	435	6628	7061
UN78417	Rsa1.0_01289.1	635	49181	0	474	482	98 -	2	483	11547	12028
UN78418	Rsa1.0_10607.1	773	5786	2.00E-66	150	157	95 +	121	277	1109	1265
UN78419	Rsa1.0_00124.1	423	262503	6.00E-87	166	167	99 +	67	233	162744	162910
UN78420	Rsa1.0_00251.1	635	303968	4.00E-49	109	112	97 +	444	555	123960	124071
UN78421	Rsa1.0_02208.1	595	33875	1.00E-101	225	239	94 -	366	595	26279	26517
UN78422	Rsa1.0_00277.1	772	100132	1.00E-108	232	242	95 -	492	733	88496	88735
UN78423	Rsa1.0_06062.1	502	11836	6.00E-75	149	151	98 -	352	502	6084	6234
UN78424	Rsa1.0_04772.1	772	16040	3.00E-99	187	188	99 -	199	386	7921	8108
UN78425	Rsa1.0_04911.1	768	15483	1.00E-114	213	214	99 -	3	216	9506	9719
UN78426	Rsa1.0_00111.1	651	390088	0	374	388	96 +	174	561	55537	55911
UN78427	Rsa1.0_00798.1	480	63945	0	459	480	95 +	3	480	61253	61729

UN78428	Rsa1.0.36521.1	514	617	4.00E-76	250	286	87 +	3	284	50	321
UN78429	Rsa1.0.02479.1	749	31038	1.00E-178	341	347	98 +	151	493	11724	12070
UN78430	Rsa1.0.00167.1	651	116000	1.00E-150	335	354	94 +	51	398	12145	12498
UN78431	Rsa1.0.02874.1	205	27070	2.00E-66	158	166	95 +	19	180	1723	1888
UN78432	Rsa1.0_01704.1	593	40711	0	520	542	95 +	55	593	31412	31950
UN78433	Rsa1.0_00923.1	787	153678	1.00E-120	275	293	93 -	1	285	19319	19611
UN78434	Rsa1.0.01752.1	655	39805	1.00E-92	206	217	94 +	248	464	3243	3459
UN78435	Rsa1.0.00121.1	507	278029	1.00E-147	307	320	95 -	136	454	6873	7187
UN78436	Rsa1.0.00260.1	617	102021	3.00E-59	123	125	98 +	381	505	63858	63982
UN78437	Rsa1.0.02114.1	628	34873	1.00E-113	221	224	98 +	270	493	11483	11705
UN78438	Rsa1.0.01178.1	681	51571	1.00E-83	219	238	92 +	445	681	25592	25829
UN78439	Rsa1.0.00741.1	716	66117	1.00E-111	216	220	98 -	119	338	21539	21758
UN78440	Rsa1.0.00228.1	750	105511	1.00E-83	158	158	100 +	331	488	36177	36334
UN78441	Rsa1.0.00415.1	640	86795	0	495	524	94 +	3	523	11120	11643
UN78442	Rsa1.0_14624.1	799	3217	4.00E-71	251	286	87 -	3	284	1334	1602
UN78443	Rsa1.0.00660.1	720	69688	2.00E-88	201	210	95 -	500	707	3721	3930
UN78444	Rsa1.0.05107.1	779	14825	0	610	647	94 +	135	778	14164	14808
UN78445	Rsa1.0.02921.1	640	26779	1.00E-125	234	236	99 -	402	637	8082	8317
UN78446	Rsa1.0.01487.1	526	44784	1.00E-143	271	275	98 +	1	272	24848	25122
UN78447	Rsa1.0.00016.1	626	831256	0	484	492	98 +	135	626	505636	506123
UN78448	Rsa1.0.04788.1	659	15984	0	511	521	98 +	107	619	4118	4638
UN78449	Rsa1.0.01825.1	657	38725	0	630	656	96 -	2	657	27218	27873
UN78450	Rsa1.0_01313.1	501	48387	5.00E-51	112	115	97 -	387	501	11785	11899
UN78451	Rsa1.0.02195.1	618	34024	0	362	368	98 +	235	602	23820	24184
UN78452	Rsa1.0.03582.1	750	21963	0	465	472	98 +	282	750	10217	10686
UN78453	Rsa1.0.28478.1	722	814	0	342	345	99 -	376	720	438	779
UN78454	Rsa1.0.00658.1	739	69740	0	639	654	97 -	80	733	12727	13377
UN78455	Rsa1.0.00156.1	788	118383	0	624	640	97 -	104	742	90526	91162
UN78456	Rsa1.0.02343.1	113	32374	6.00E-19	57	60	95 -	46	105	11583	11642
UN78457	Rsa1.0.00028.1	576	293984	0	460	468	98 +	2	469	134759	135226
UN78458	Rsa1.0.00342.1	203	93695	1.00E-92	196	203	96 +	3	203	49437	49639
UN78459	Rsa1.0.00927.1	697	59312	0	459	461	99 -	1	461	16032	16492
UN78460	Rsa1.0.02499.1	660	30774	0	637	655	97 +	3	656	16947	17598
UN78461	Rsa1.0.00001.1	676	363028	1.00E-167	325	334	97 +	85	418	143874	144207
UN78462	Rsa1.0.01530.1	728	43820	0	516	533	96 -	156	687	12841	13373
UN78463	Rsa1.0.01887.1	661	37564	0	645	661	97 -	3	661	2342	2992
UN78464	Rsa1.0.00144.1	766	120708	0	740	761	97 +	2	759	82189	82947
UN78465	Rsa1.0_17784.1	624	1741	1.00E-172	313	314	99 +	3	315	1202	1515
UN78466	Rsa1.0_05748.1	347	12749	1.00E-155	328	345	95 +	3	347	10379	10723

UN78467	Rsa1.0_00797.1	669	63959	1.00E-112	236	244	96 -	301	542	60948	61189
UN78468	Rsa1.0_02916.1	549	26809	1.00E-101	188	188	100 -	3	190	9144	9331
UN78469	Rsa1.0_03342.1	822	23600	1.00E-123	224	224	100 -	357	580	7649	7872
UN78470	Rsa1.0_69178.1	266	331	4.00E-87	184	191	96 +	3	193	141	331
UN78471	Rsa1.0_00327.1	676	94892	5.00E-61	126	128	98 -	88	215	27389	27516
UN78472	Rsa1.0_00953.1	553	145012	1.00E-130	245	248	98 +	306	553	11750	11997
UN78473	Rsa1.0_01768.1	761	138463	1.00E-111	251	264	95 -	11	269	121794	122055
UN78474	Rsa1.0_01907.1	756	37431	4.00E-49	103	104	99 -	530	633	30886	30989
UN78475	Rsa1.0_03721.1	674	21185	0	635	687	92 +	4	674	13871	14557
UN78476	Rsa1.0_00087.1	540	761073	1.00E-118	259	272	95 -	3	274	121223	121488
UN78477	Rsa1.0_00099.1	697	159619	1.00E-136	266	270	98 -	430	697	79582	79851
UN78478	Rsa1.0_00097.1	142	138858	5.00E-60	136	141	96 -	2	142	113387	113526
UN78479	Rsa1.0_00598.1	587	73425	6.00E-14	86	100	86 +	92	191	38057	38154
UN78480	Rsa1.0_04574.1	756	16786	1.00E-101	226	237	95 -	239	475	10082	10314
UN78481	Rsa1.0_00291.1	587	172129	1.00E-132	263	270	97 +	3	270	13111	13380
UN78482	Rsa1.0_00891.1	586	60724	1.00E-171	357	372	95 -	2	370	42214	42580
UN78483	Rsa1.0_04325.1	615	17885	1.00E-135	265	272	97 -	6	277	11667	11938
UN78484	Rsa1.0_00059.1	763	159650	0	365	378	96 +	3	371	68247	68624
UN78485	Rsa1.0_00122.1	723	265937	4.00E-83	160	161	99 -	320	480	108401	108561
UN78486	Rsa1.0_00937.1	723	59061	0	716	718	99 -	7	723	14677	15394
UN78487	Rsa1.0_00043.1	338	264937	8.00E-55	144	154	93 +	112	265	8573	8721
UN78488	Rsa1.0_04497.1	659	17103	0	401	420	95 +	2	417	999	1417
UN78489	Rsa1.0_00067.1	787	415055	1.00E-144	275	280	98 -	210	489	35066	35345
UN78490	Rsa1.0_03546.1	664	22172	1.00E-137	381	423	90 +	256	661	14336	14747
UN78491	Rsa1.0_05624.1	555	13140	1.00E-100	265	291	91 -	265	555	3922	4199
UN78492	Rsa1.0_02336.1	619	32397	1.00E-162	295	297	99 -	285	581	9932	10228
UN78493	Rsa1.0_01760.1	558	39730	0	534	557	95 -	2	558	27828	28377
UN78494	Rsa1.0_00467.1	583	156542	1.00E-73	150	153	98 +	431	583	91617	91769
UN78495	Rsa1.0_03028.1	619	25872	3.00E-46	169	196	86 +	3	177	14640	14834
UN78496	Rsa1.0_05611.1	226	13193	9.00E-63	185	204	90 -	2	203	5170	5371
UN78497	Rsa1.0_18261.1	550	1633	0	522	549	95 +	2	550	425	971
UN78498	Rsa1.0_15995.1	631	2328	1.00E-156	295	300	98 -	332	631	1712	2011
UN78499	Rsa1.0_01041.1	505	55910	1.00E-112	235	243	96 -	220	458	9246	9488
UN78500	Rsa1.0_05919.1	644	12240	1.00E-180	334	339	98 -	2	340	9077	9415
UN78501	Rsa1.0_00964.1	656	316648	0	415	435	95 -	222	656	265416	265850
UN78502	Rsa1.0_04679.1	170	16430	2.00E-57	154	164	93 -	1	160	12732	12895
UN78503	Rsa1.0_00516.1	647	78417	0	496	522	95 -	5	526	7335	7856
UN78504	Rsa1.0_03490.1	569	22545	0	550	569	96 -	1	569	13673	14241
UN78505	Rsa1.0_00350.1	603	92346	2.00E-56	136	144	94 +	10	153	8721	8864

UN78506	Rsa1.0.00153.1	455	192931	0	443	458	96 +	1	455	5041	5498
UN78507	Rsa1.0.01829.1	537	166063	1.00E-133	290	307	94 -	237	537	135484	135790
UN78508	Rsa1.0.00481.1	579	81316	7.00E-69	185	201	92 -	300	500	38327	38526
UN78509	Rsa1.0.00262.1	713	101906	1.00E-144	272	276	98 +	254	529	2254	2529
UN78510	Rsa1.0.01432.1	148	45977	4.00E-33	100	108	92 +	20	126	34705	34812
UN78511	Rsa1.0.01727.1	517	40243	1.00E-51	116	120	96 +	172	291	27014	27133
UN78512	Rsa1.0.00071.1	581	345714	1.00E-140	324	347	93 -	3	349	317187	317530
UN78513	Rsa1.0.00160.1	819	346678	1.00E-119	316	340	92 -	489	819	186467	186806
UN78514	Rsa1.0.00069.1	703	403561	1.00E-157	293	297	98 -	151	447	209874	210170
UN78515	Rsa1.0.00666.1	721	69505	0	536	541	99 +	3	543	25986	26526
UN78516	Rsa1.0.00040.1	741	324196	0	486	506	96 -	226	731	167768	168273
UN78517	Rsa1.0.00362.1	562	299497	0	528	562	93 +	2	562	14835	15387
UN78518	Rsa1.0.03469.1	290	22681	1.00E-151	287	290	98 +	2	290	9714	10002
UN78519	Rsa1.0.01254.1	631	49801	0	606	624	97 +	8	631	284	907
UN78520	Rsa1.0.01717.1	760	143162	0	574	593	96 +	176	760	113443	114035
UN78521	Rsa1.0.00084.1	708	142338	0	578	582	99 -	125	705	5577	6158
UN78522	Rsa1.0.00428.1	471	85599	9.00E-68	152	159	95 -	313	471	7414	7572
UN78523	Rsa1.0.01137.1	573	52655	1.00E-121	229	232	98 +	144	375	51348	51579
UN78524	Rsa1.0.00295.1	789	152597	0	715	736	97 -	3	735	48887	49622
UN78525	Rsa1.0.04426.1	672	17399	3.00E-96	204	211	96 -	4	213	14213	14423
UN78526	Rsa1.0.24055.1	642	1009	1.00E-137	275	284	96 -	63	346	158	441
UN78527	Rsa1.0.05663.1	646	13005	1.00E-123	236	240	98 +	360	599	9152	9391
UN78528	Rsa1.0.00480.1	799	81325	0	677	701	96 -	103	799	63199	63899
UN78529	Rsa1.0.01422.1	404	46172	1.00E-117	214	214	100 -	190	403	16412	16625
UN78530	Rsa1.0.00617.1	540	72199	1.00E-118	218	219	99 +	225	443	19957	20175
UN78531	Rsa1.0.02682.1	657	28711	0	631	653	96 -	5	657	9831	10483
UN78532	Rsa1.0.00029.1	615	272992	1.00E-162	296	298	99 -	318	615	147272	147569
UN78533	Rsa1.0.13829.1	791	4252	1.00E-177	405	425	95 +	343	758	1	425
UN78534	Rsa1.0.03992.1	111	19675	3.00E-48	106	109	97 +	3	111	10763	10871
UN78535	Rsa1.0.03977.1	787	19758	0	440	445	98 -	338	782	19314	19758
UN78536	Rsa1.0.06455.1	623	10983	0	348	355	98 +	269	623	3383	3737
UN78537	Rsa1.0.00469.1	513	82084	4.00E-67	157	166	94 +	343	508	44841	45006
UN78538	Rsa1.0.19562.1	691	1414	1.00E-86	188	196	95 -	5	196	1	196
UN78539	Rsa1.0.00296.1	632	97854	0	619	631	98 +	2	632	48634	49264
UN78540	Rsa1.0.00138.1	767	247040	0	378	379	99 -	3	380	5072	5450
UN78541	Rsa1.0.00573.1	686	74821	0	375	387	96 +	301	682	41334	41720
UN78542	Rsa1.0.00152.1	549	257730	1.00E-107	212	217	97 -	3	219	251779	251995
UN78543	Rsa1.0.00323.1	483	159650	0	437	457	95 +	3	459	16896	17352
UN78544	Rsa1.0.02753.1	445	28215	0	386	396	97 -	5	400	5055	5450

UN78545	Rsa1.0.00273.1	548	326186	1.00E-137	271	279	97 -	101	379	116435	116713
UN78546	Rsa1.0.00064.1	150	240927	6.00E-32	79	82	96 -	6	87	135242	135323
UN78547	Rsa1.0.01144.1	705	52431	4.00E-86	175	178	98 +	408	585	14758	14934
UN78548	Rsa1.0.01701.1	576	162121	1.00E-127	249	255	97 -	148	402	140313	140567
UN78549	Rsa1.0.02567.1	267	30016	7.00E-95	176	176	100 +	34	209	22224	22399
UN78550	Rsa1.0.00079.1	618	606987	0	614	616	99 -	4	618	140831	141446
UN78551	Rsa1.0.08103.1	635	7900	0	567	579	97 -	3	574	1202	1780
UN78552	Rsa1.0.11760.1	736	5417	0	696	715	97 +	1	712	4409	5123
UN78553	Rsa1.0.00010.1	622	294827	0	595	629	94 +	3	622	145052	145674
UN78554	Rsa1.0.00045.1	232	328694	1.00E-61	159	168	94 -	68	232	164622	164789
UN78555	Rsa1.0.02370.1	704	32071	0	369	371	99 +	4	374	31029	31398
UN78556	Rsa1.0.06065.1	462	11828	0	362	365	99 -	3	367	5294	5658
UN78557	Rsa1.0.00131.1	523	432233	1.00E-167	348	365	95 -	10	374	426117	426481
UN78558	Rsa1.0.02488.1	815	30913	1.00E-151	319	331	96 -	426	753	29939	30269
UN78559	Rsa1.0.02664.1	733	28917	3.00E-84	165	167	98 +	310	476	5414	5580
UN78560	Rsa1.0.00253.1	723	231292	1.00E-117	217	218	99 +	332	549	149270	149487
UN78561	Rsa1.0.06133.1	676	11663	1.00E-140	296	306	96 +	2	305	7947	8248
UN78562	Rsa1.0.02282.1	710	163951	0	374	387	96 +	325	710	142819	143205
UN78563	Rsa1.0.00380.1	630	89748	0	503	533	94 -	4	533	16657	17189
UN78564	Rsa1.0.00035.1	772	176449	0	618	642	96 -	120	754	52278	52916
UN78565	Rsa1.0.00017.1	686	752458	0	489	517	94 +	174	686	463977	464487
UN78566	Rsa1.0.01453.1	711	45449	1.00E-103	210	215	97 -	3	216	45049	45263
UN78567	Rsa1.0.03037.1	529	25825	6.00E-69	148	153	96 +	373	525	8431	8583
UN78568	Rsa1.0.02996.1	545	26152	1.00E-128	291	303	96 -	5	301	23022	23323
UN78569	Rsa1.0.28756.1	573	804	1.00E-113	207	207	100 -	367	573	177	383
UN78570	Rsa1.0.13369.1	583	4880	1.00E-152	281	284	98 +	300	583	3108	3391
UN78571	Rsa1.0.00077.1	655	145005	1.00E-150	347	374	92 +	296	655	30940	31313
UN78572	Rsa1.0.00630.1	807	71281	2.00E-94	188	192	97 -	33	224	36124	36315
UN78573	Rsa1.0.14732.1	614	3117	0	588	603	97 -	12	614	1255	1856
UN78574	Rsa1.0.20459.1	704	1303	0	622	655	94 -	60	702	180	831
UN78575	Rsa1.0.00221.1	782	106972	0	736	789	93 -	3	782	52123	52889
UN78576	Rsa1.0.11525.1	792	5479	0	603	647	93 +	45	690	4434	5080
UN78577	Rsa1.0.00035.1	613	176449	2.00E-78	155	157	98 +	305	461	155792	155948
UN78578	Rsa1.0.01978.1	608	36546	1.00E-127	255	259	98 -	353	608	8943	9201
UN78579	Rsa1.0.00340.1	740	305782	8.00E-94	227	242	93 -	50	288	160608	160849
UN78580	Rsa1.0.00698.1	309	67816	1.00E-62	232	265	87 +	49	309	32728	32982
UN78581	Rsa1.0.00127.1	213	127446	8.00E-88	202	214	94 +	8	213	51836	52049
UN78582	Rsa1.0.00524.1	707	169613	1.00E-107	290	320	90 +	3	309	153385	153694
UN78583	Rsa1.0.00039.1	559	296927	1.00E-167	336	348	96 +	212	559	282315	282659

UN78584	Rsa1.0.01726.1	342	40263	1.00E-126	249	256	97 -	87	342	7352	7607
UN78585	Rsa1.0.01540.1	250	151890	4.00E-99	186	187	99 -	64	250	144535	144721
UN78586	Rsa1.0.00305.1	327	97308	0	324	324	100 +	4	327	63500	63823
UN78587	Rsa1.0.01360.1	413	47246	0	403	413	97 +	2	413	13298	13709
UN78588	Rsa1.0.03884.1	667	20274	1.00E-132	312	334	93 +	19	352	1982	2311
UN78589	Rsa1.0.01727.1	654	40243	2.00E-69	137	138	99 -	358	495	12313	12450
UN78590	Rsa1.0.00866.1	678	61676	2.00E-78	181	192	94 +	1	192	23261	23446
UN78591	Rsa1.0.00617.1	628	72199	1.00E-121	266	279	95 -	349	626	5539	5815
UN78592	Rsa1.0.00004.1	762	253996	0	429	443	96 +	312	744	9328	9770
UN78593	Rsa1.0.03090.1	763	25464	1.00E-110	271	285	95 -	483	758	2590	2874
UN78594	Rsa1.0.00116.1	675	365886	0	554	561	98 -	3	563	53488	54047
UN78595	Rsa1.0.14871.1	343	2999	4.00E-75	203	219	92 +	82	299	2735	2951
UN78596	Rsa1.0.03440.1	228	22928	1.00E-111	221	227	97 -	2	228	21640	21866
UN78597	Rsa1.0.01893.1	585	37520	1.00E-85	203	216	93 +	5	220	8534	8747
UN78598	Rsa1.0.01923.1	786	37233	1.00E-107	254	274	92 -	2	275	21932	22196
UN78599	Rsa1.0.02551.1	567	30196	1.00E-120	248	257	96 -	311	567	16655	16908
UN78600	Rsa1.0.00510.1	756	78718	0	578	621	93 +	120	724	55870	56487
UN78601	Rsa1.0.00153.1	733	192931	1.00E-143	281	289	97 -	373	661	17665	17953
UN78602	Rsa1.0.03832.1	756	20577	1.00E-175	390	417	93 +	353	756	8373	8789
UN78603	Rsa1.0.04865.1	622	15683	1.00E-135	250	252	99 +	2	253	10199	10450
UN78604	Rsa1.0.00371.1	419	90463	0	418	419	99 -	1	419	49900	50317
UN78605	Rsa1.0.00402.1	700	385315	0	698	699	99 -	3	700	82348	83046
UN78606	Rsa1.0.01217.1	768	50554	0	738	771	95 +	1	768	47101	47862
UN78607	Rsa1.0.01867.1	789	37960	0	344	345	99 -	446	789	17222	17566
UN78608	Rsa1.0.00269.1	698	341668	0	662	674	98 +	3	676	329077	329750
UN78609	Rsa1.0.02398.1	429	31766	1.00E-160	410	454	90 -	6	429	27107	27557
UN78610	Rsa1.0.00402.1	504	385315	0	478	507	94 +	1	504	119059	119556
UN78611	Rsa1.0.00124.1	736	262503	0	338	338	100 -	395	732	257394	257731
UN78612	Rsa1.0.05825.1	816	12509	0	651	684	95 +	91	768	6525	7207
UN78613	#	#	#	#	#	#	#	#	#	#	#
UN78614	Rsa1.0.01993.1	633	36384	1.00E-124	244	250	97 -	1	250	2704	2953
UN78615	Rsa1.0.02383.1	770	31931	1.00E-100	347	400	86 +	3	381	10266	10653
UN78616	Rsa1.0.00326.1	349	171955	1.00E-153	329	346	95 -	6	349	89188	89529
UN78617	Rsa1.0.00394.1	773	148426	2.00E-97	187	189	98 -	100	288	123689	123877
UN78618	Rsa1.0.00154.1	757	189461	1.00E-153	339	356	95 +	406	756	129259	129612
UN78619	Rsa1.0.02891.1	742	27010	0	393	414	94 +	2	415	20165	20575
UN78620	Rsa1.0.63243.1	515	363	5.00E-94	187	191	97 +	182	372	162	352
UN78621	Rsa1.0.00435.1	357	317579	0	351	356	98 -	2	357	37444	37798
UN78622	Rsa1.0.15897.1	603	2369	1.00E-107	241	255	94 -	4	258	675	926

UN78623	Rsa1.0.00722.1	817	66840	0	809	830	97 -	1	817	19244	20070
UN78624	Rsa1.0.00332.1	802	94575	1.00E-92	213	226	94 -	2	223	80487	80712
UN78625	Rsa1.0.00081.1	683	143261	0	429	441	97 +	245	683	85804	86244
UN78626	Rsa1.0.21260.1	276	1220	7.00E-18	54	55	98 -	2	56	307	360
UN78627	Rsa1.0.08846.1	126	6867	4.00E-51	122	126	96 +	3	126	715	840
UN78628	Rsa1.0.00978.1	654	57739	0	622	653	95 +	2	645	19377	20029
UN78629	Rsa1.0.03584.1	507	21931	1.00E-110	248	262	94 +	3	264	19911	20171
UN78630	Rsa1.0.00079.1	294	606987	1.00E-104	214	220	97 +	76	294	489177	489396
UN78631	Rsa1.0.00497.1	640	79830	0	415	434	95 -	211	640	3413	3846
UN78632	Rsa1.0.01439.1	703	45841	0	694	720	96 +	1	702	27652	28371
UN78633	Rsa1.0.00706.1	411	291570	4.00E-94	188	191	98 -	3	192	17194	17384
UN78634	Rsa1.0.04563.1	812	16837	5.00E-95	183	185	98 +	3	187	12910	13094
UN78635	Rsa1.0.03344.1	585	23593	3.00E-62	164	174	94 +	5	176	10839	11011
UN78636	Rsa1.0.01145.1	597	149247	3.00E-74	142	142	100 -	1	142	126174	126315
UN78637	Rsa1.0.00639.1	157	165873	1.00E-54	125	128	97 -	9	136	104883	105008
UN78638	Rsa1.0.03201.1	690	157656	0	508	520	97 -	171	690	15632	16148
UN78639	Rsa1.0.03978.1	750	19753	1.00E-126	252	258	97 +	437	693	17138	17395
UN78640	Rsa1.0.01339.1	731	47813	0	728	729	99 -	3	731	25527	26255
UN78641	Rsa1.0.00281.1	664	99908	1.00E-127	293	313	93 +	352	664	96693	97002
UN78642	Rsa1.0.02846.1	677	27338	0	455	472	96 -	1	472	12508	12979
UN78643	Rsa1.0.05322.1	670	14154	0	459	474	96 -	192	665	1687	2160
UN78644	Rsa1.0.05612.1	637	13193	1.00E-175	327	332	98 +	160	491	1	332
UN78645	Rsa1.0.15114.1	653	2815	0	434	437	99 +	2	438	2188	2624
UN78646	Rsa1.0.07481.1	586	9280	0	484	522	92 -	2	510	6905	7426
UN78647	Rsa1.0.00418.1	650	215377	2.00E-84	197	211	93 -	2	203	77791	78001
UN78648	Rsa1.0.03235.1	566	24442	0	383	385	99 +	2	386	21166	21550
UN78649	Rsa1.0.00502.1	647	204180	0	478	503	95 +	1	503	76247	76743
UN78650	Rsa1.0.25490.1	726	934	0	527	569	92 -	3	555	1	564
UN78651	Rsa1.0.00477.1	462	81556	0	413	414	99 -	49	462	10435	10848
UN78652	Rsa1.0.00015.1	756	561803	0	433	445	97 +	3	442	261955	262398
UN78653	Rsa1.0.00050.1	207	237174	4.00E-37	100	107	93 +	1	107	86704	86810
UN78654	Rsa1.0.00049.1	610	167018	0	590	610	96 -	2	610	106454	107062
UN78655	Rsa1.0.00503.1	667	79468	0	447	464	96 -	210	667	61003	61463
UN78656	Rsa1.0.01220.1	757	161775	1.00E-61	127	129	98 -	528	656	124240	124368
UN78657	Rsa1.0.39909.1	259	563	1.00E-130	250	255	98 -	2	256	22	276
UN78658	Rsa1.0.00341.1	765	249309	1.00E-167	322	328	98 +	3	330	241672	241995
UN78659	Rsa1.0.01173.1	718	51727	0	692	716	96 -	2	710	204	916
UN78660	Rsa1.0.00208.1	766	108565	6.00E-67	150	157	95 -	59	215	9312	9462
UN78661	Rsa1.0.01305.1	478	48730	2.00E-71	140	141	99 -	338	478	11875	12015

UN78662	Rsa1.0_00753.1	358	65705	8.00E-86	167	169	98 +	2	170	14745	14913
UN78663	Rsa1.0_04039.1	486	19467	8.00E-56	135	143	94 -	220	362	15589	15731
UN78664	Rsa1.0_00329.1	646	222544	1.00E-103	232	243	95 -	3	244	2056	2297
UN78665	Rsa1.0_04264.1	244	18207	1.00E-116	220	223	98 -	3	225	2000	2222
UN78666	Rsa1.0_00411.1	597	86944	1.00E-129	252	258	97 +	340	597	45544	45801
UN78667	Rsa1.0_00180.1	765	114581	3.00E-87	199	210	94 +	3	209	13303	13512
UN78668	Rsa1.0_00312.1	722	96765	0	417	423	98 -	14	435	60754	61175
UN78669	Rsa1.0_05019.1	682	15114	3.00E-90	206	216	95 -	451	665	12141	12354
UN78670	Rsa1.0_01183.1	669	51465	0	409	416	98 +	3	416	45512	45927
UN78671	Rsa1.0_01955.1	596	36850	0	364	364	100 -	233	596	34311	34674
UN78672	Rsa1.0_00190.1	714	318240	1.00E-167	316	322	98 -	270	591	192464	192785
UN78673	Rsa1.0_00972.1	612	57937	2.00E-75	150	152	98 -	352	503	11090	11241
UN78674	Rsa1.0_00926.1	662	195072	2.00E-97	184	185	99 -	478	662	14495	14679
UN78675	Rsa1.0_01126.1	669	53127	1.00E-162	401	437	91 +	234	669	7606	8022
UN78676	Rsa1.0_00451.1	266	322533	2.00E-52	123	129	95 -	3	131	2067	2195
UN78677	Rsa1.0_00101.1	641	267193	0	363	367	98 +	276	641	73554	73920
UN78678	Rsa1.0_00107.1	112	431659	5.00E-38	96	100	96 +	2	100	337505	337604
UN78679	Rsa1.0_01975.1	531	36578	0	516	529	97 -	3	531	4325	4848
UN78680	Rsa1.0_00124.1	769	262503	0	341	342	99 -	3	344	87669	88010
UN78681	Rsa1.0_00376.1	488	90101	1.00E-147	294	304	96 -	33	336	2298	2595
UN78682	Rsa1.0_08586.1	772	7157	1.00E-117	345	393	87 -	3	392	2495	2856
UN78683	Rsa1.0_00745.1	279	66067	8.00E-73	156	161	96 -	122	279	23760	23920
UN78684	Rsa1.0_00738.1	715	66322	1.00E-141	260	262	99 -	3	264	53922	54183
UN78685	Rsa1.0_00017.1	805	752458	1.00E-142	352	387	90 +	213	581	441161	441541
UN78686	Rsa1.0_00480.1	809	81325	1.00E-136	284	294	96 +	429	720	4466	4759
UN78687	Rsa1.0_00699.1	642	184398	0	416	422	98 -	222	642	31024	31444
UN78688	Rsa1.0_00035.1	563	176449	2.00E-69	149	154	96 +	206	359	155795	155948
UN78689	Rsa1.0_02070.1	158	158516	6.00E-63	147	155	94 -	4	158	18783	18933
UN78690	Rsa1.0_00369.1	598	266462	0	485	531	91 -	74	590	144494	145003
UN78691	Rsa1.0_00009.1	479	232558	4.00E-48	98	98	100 -	275	372	41992	42089
UN78692	Rsa1.0_07243.1	663	9673	7.00E-63	123	123	100 +	210	332	979	1101
UN78693	Rsa1.0_00923.1	560	153678	1.00E-148	360	394	91 -	185	560	45823	46216
UN78694	Rsa1.0_00336.1	580	445051	1.00E-144	334	350	95 -	238	580	166536	166884
UN78695	Rsa1.0_02622.1	573	142402	1.00E-160	323	337	95 +	3	329	6672	7008
UN78696	Rsa1.0_00105.1	750	134138	1.00E-108	279	305	91 +	17	318	53783	54087
UN78697	Rsa1.0_00519.1	622	197864	0	597	622	95 +	2	622	68049	68665
UN78698	Rsa1.0_00112.1	566	132199	0	555	576	96 +	2	566	720	1293
UN78699	Rsa1.0_04852.1	624	15712	1.00E-101	200	203	98 +	3	203	8250	8452
UN78700	Rsa1.0_01397.1	596	183276	0	579	597	96 -	3	596	175927	176522

UN78701	Rsa1.0_00260.1	223	102021	2.00E-66	174	186	93 +	3	188	62691	62866
UN78702	Rsa1.0_00355.1	497	92038	0	409	414	98 +	87	497	50039	50452
UN78703	Rsa1.0_01282.1	758	49304	1.00E-64	135	138	97 -	199	336	29165	29302
UN78704	Rsa1.0_00090.1	586	273859	0	584	585	99 +	2	586	260298	260882
UN78705	Rsa1.0_00580.1	738	74515	1.00E-164	328	337	97 +	388	723	9661	9996
UN78706	Rsa1.0_00783.1	683	64459	0	669	679	98 -	3	680	20363	21041
UN78707	Rsa1.0_00107.1	619	431659	1.00E-121	233	237	98 -	75	311	183555	183791
UN78708	Rsa1.0_00527.1	599	77733	1.00E-127	277	292	94 -	311	599	58090	58381
UN78709	Rsa1.0_02365.1	779	32118	3.00E-93	195	202	96 +	425	626	4220	4421
UN78710	Rsa1.0_00560.1	636	75685	0	629	634	99 +	3	636	53840	54473
UN78711	Rsa1.0_18435.1	701	1600	4.00E-92	181	184	98 -	510	693	536	719
UN78712	Rsa1.0_01811.1	706	38977	1.00E-126	255	262	97 +	446	706	18627	18888
UN78713	Rsa1.0_00017.1	543	752458	2.00E-78	181	194	93 +	3	184	204600	204793
UN78714	Rsa1.0_01719.1	775	40388	7.00E-82	213	223	95 +	560	775	10001	10223
UN78715	Rsa1.0_24745.1	769	969	0	384	387	99 +	1	387	70	456
UN78716	Rsa1.0_00341.1	746	249309	0	448	476	94 +	277	746	189541	190016
UN78717	Rsa1.0_02184.1	525	34166	0	505	523	96 -	3	525	3342	3864
UN78718	Rsa1.0_00115.1	611	131321	1.00E-109	214	217	98 +	2	217	8988	9204
UN78719	Rsa1.0_00163.1	716	116847	1.00E-116	221	224	98 +	67	290	82068	82291
UN78720	Rsa1.0_00006.1	750	396176	1.00E-153	295	298	98 -	449	743	368739	369036
UN78721	Rsa1.0_03506.1	642	22416	1.00E-129	280	294	95 +	314	606	8006	8299
UN78722	Rsa1.0_04264.1	670	18207	0	537	567	94 -	2	563	902	1467
UN78723	Rsa1.0_00340.1	694	305782	1.00E-130	248	252	98 +	3	254	188904	189155
UN78724	Rsa1.0_01423.1	601	46170	1.00E-111	227	234	97 -	2	232	4731	4964
UN78725	Rsa1.0_00855.1	550	62047	5.00E-88	185	191	96 -	195	385	4342	4529
UN78726	Rsa1.0_00002.1	601	601661	0	536	585	91 +	23	601	577414	577998
UN78727	Rsa1.0_02053.1	793	35554	0	403	407	99 +	3	407	24535	24941
UN78728	Rsa1.0_00979.1	756	57733	0	398	407	97 -	352	756	999	1404
UN78729	Rsa1.0_03770.1	600	20952	1.00E-152	305	313	97 +	3	315	4534	4839
UN78730	Rsa1.0_00607.1	684	73146	7.00E-20	57	59	96 +	43	101	55126	55184
UN78731	Rsa1.0_03170.1	447	24824	4.00E-79	223	246	90 +	133	373	4523	4762
UN78732	Rsa1.0_02451.1	379	31283	1.00E-118	313	346	90 +	3	346	2293	2623
UN78733	Rsa1.0_05760.1	643	12720	1.00E-126	239	242	98 +	390	631	4670	4911
UN78734	Rsa1.0_00990.1	392	57445	3.00E-24	64	66	96 -	289	354	54190	54255
UN78735	Rsa1.0_01998.1	646	36276	0	560	610	91 +	6	596	10091	10684
UN78736	Rsa1.0_00110.1	357	132719	1.00E-143	340	367	92 +	4	357	93087	93453
UN78737	Rsa1.0_00265.1	560	220635	0	547	582	93 +	3	560	24230	24811
UN78738	Rsa1.0_01318.1	729	48275	0	546	568	96 +	153	720	13067	13633
UN78739	Rsa1.0_00092.1	608	659932	0	588	607	96 +	2	608	220089	220695

UN78740	Rsa1.0.06168.1	646	11580	1.00E-138	287	299	95 +	26	321	9698	9996
UN78741	Rsa1.0.02651.1	586	29046	5.00E-85	223	243	91 +	85	325	26027	26269
UN78742	Rsa1.0.03213.1	738	24568	1.00E-73	218	241	90 -	437	670	11505	11745
UN78743	Rsa1.0.00087.1	483	761073	1.00E-97	193	197	97 -	49	245	302736	302932
UN78744	Rsa1.0.07542.1	694	9160	1.00E-101	197	200	98 +	492	691	2708	2907
UN78745	Rsa1.0.07739.1	622	8684	1.00E-167	316	322	98 -	171	492	7417	7738
UN78746	Rsa1.0.01058.1	726	55430	0	363	363	100 +	345	707	17664	18026
UN78747	Rsa1.0.08164.1	662	7811	0	359	364	98 -	157	520	5890	6253
UN78748	Rsa1.0.08027.1	690	8058	1.00E-159	305	312	97 +	379	690	6693	7004
UN78749	Rsa1.0.01752.1	524	39805	2.33E-156	288	294	97 +	233	524	4489	4782
UN78750	Rsa1.0.00764.1	694	65056	1.00E-138	299	316	94 +	3	315	19986	20292
UN78751	Rsa1.0.00046.1	759	320315	0	347	354	98 +	267	620	27231	27584
UN78752	Rsa1.0.05034.1	584	15064	0	500	536	93 +	2	537	710	1245
UN78753	Rsa1.0.02951.1	802	26505	1.00E-137	337	368	91 +	17	384	1001	1359
UN78754	Rsa1.0.00057.1	489	160473	0	387	389	99 +	2	390	96462	96850
UN78755	Rsa1.0.00044.1	650	271658	0	434	466	93 -	186	650	69595	70051
UN78756	Rsa1.0.02285.1	735	33001	1.00E-95	178	178	100 -	3	180	8	185
UN78757	Rsa1.0.00653.1	715	70029	0	404	405	99 +	1	405	52182	52586
UN78758	Rsa1.0.15461.1	655	2591	0	629	658	95 +	1	655	436	1093
UN78759	Rsa1.0.00016.1	647	831256	5.00E-70	213	236	90 -	3	229	811038	811271
UN78760	Rsa1.0.01196.1	357	51097	6.00E-93	185	189	97 -	162	350	28241	28429
UN78761	Rsa1.0.00001.1	621	363028	0	588	606	97 -	1	606	248652	249256
UN78762	Rsa1.0.04179.1	712	18633	2.00E-42	260	316	82 -	301	614	5867	6182
UN78763	Rsa1.0.00123.1	703	325650	1.00E-159	383	409	93 +	303	700	262756	263161
UN78764	Rsa1.0.00561.1	696	75653	1.00E-165	310	314	98 -	384	696	67007	67320
UN78765	Rsa1.0.04960.1	588	15321	3.00E-40	85	85	100 -	301	385	9851	9935
UN78766	Rsa1.0.00645.1	587	189716	1.00E-109	230	240	95 -	204	443	151484	151723
UN78767	Rsa1.0.03646.1	773	21598	1.00E-166	303	305	99 -	200	504	11504	11808
UN78768	Rsa1.0.02299.1	665	32857	0	620	646	95 -	3	648	245	878
UN78769	Rsa1.0.00287.1	551	98687	0	540	550	98 -	2	551	75498	76047
UN78770	Rsa1.0.00870.1	379	61606	0	373	377	98 +	3	379	2421	2797
UN78771	Rsa1.0.13471.1	519	4802	1.00E-104	208	212	98 +	99	308	2431	2642
UN78772	Rsa1.0.02826.1	564	27560	0	428	451	94 -	12	461	15254	15699
UN78773	Rsa1.0.00090.1	269	273859	1.00E-105	258	279	92 -	2	269	141691	141962
UN78774	Rsa1.0.00437.1	369	84879	1.00E-126	312	336	92 -	36	369	50695	51028
UN78775	Rsa1.0.00501.1	153	79545	6.00E-66	146	151	96 +	3	153	58699	58848
UN78776	Rsa1.0.00281.1	535	99908	0	523	554	94 -	3	535	9441	9994
UN78777	#	#	#	#	#	#	#	#	#	#	#
UN78778	Rsa1.0.04679.1	695	16430	0	680	698	97 -	3	695	2108	2803

UN78779	Rsa1.0.01113.1	743	53616	0	689	762	90 -	11	743	49058	49802
UN78780	Rsa1.0.00529.1	713	77487	1.00E-124	331	363	91 -	5	365	65173	65521
UN78781	Rsa1.0.01315.1	564	48361	0	519	538	96 -	27	564	29196	29733
UN78782	Rsa1.0.10036.1	767	6030	1.00E-131	375	422	88 -	1	401	496	915
UN78783	Rsa1.0.03044.1	673	25791	0	444	473	93 +	1	461	6990	7457
UN78784	Rsa1.0.11131.1	768	5607	1.00E-113	236	245	96 -	1	245	4542	4782
UN78785	Rsa1.0.00034.1	435	260119	1.00E-139	295	310	95 -	1	310	9111	9420
UN78786	Rsa1.0.01651.1	488	41586	2.00E-75	193	208	92 +	1	207	34517	34724
UN78787	Rsa1.0.02774.1	467	28038	0	402	420	95 +	48	467	15164	15582
UN78788	Rsa1.0.05894.1	158	12306	4.00E-70	152	158	96 +	1	158	7151	7308
UN78789	Rsa1.0.00253.1	534	231292	1.00E-136	311	330	94 +	1	323	126624	126949
UN78790	Rsa1.0.01139.1	450	52601	8.00E-62	284	337	84 +	24	357	17483	17816
UN78791	Rsa1.0.00067.1	561	415055	5.00E-85	175	180	97 +	382	561	175081	175260
UN78792	Rsa1.0.05004.1	377	15172	3.00E-73	176	188	93 -	182	369	4843	5030
UN78793	Rsa1.0.03733.1	833	21108	0	394	406	97 +	318	723	3885	4287
UN78794	Rsa1.0.00065.1	370	454616	1.00E-156	352	372	94 +	1	370	195162	195528
UN78795	Rsa1.0.00050.1	253	237174	2.00E-61	230	259	88 -	1	253	5014	5266
UN78796	Rsa1.0.00235.1	509	154696	0	500	509	98 +	1	509	121354	121862
UN78797	Rsa1.0.05153.1	638	14663	1.00E-130	304	322	94 -	1	316	2743	3059
UN78798	Rsa1.0.00943.1	786	58862	0	398	404	98 +	38	441	6678	7081
UN78799	Rsa1.0.01402.1	599	46509	0	551	595	92 -	5	599	18433	19027
UN78800	Rsa1.0.00088.1	746	141341	3.00E-87	167	168	99 +	46	213	106712	106879
UN78801	Rsa1.0.03539.1	419	22199	3.00E-92	200	208	96 -	50	256	7072	7279
UN78802	Rsa1.0.00148.1	154	120234	4.00E-67	150	156	96 -	1	154	9172	9327
UN78803	Rsa1.0.00402.1	854	385315	0	644	668	96 +	190	854	225460	226127
UN78804	Rsa1.0.00364.1	464	90951	1.00E-167	349	365	95 -	3	366	63260	63624
UN78805	Rsa1.0.00305.1	180	97308	2.00E-88	180	185	97 +	1	180	23069	23253
UN78806	Rsa1.0.09917.1	582	6091	1.00E-162	313	321	97 -	1	321	934	1254
UN78807	Rsa1.0.01049.1	714	55655	6.00E-73	176	188	93 -	204	391	43175	43362
UN78808	Rsa1.0.00710.1	295	67325	6.00E-83	253	276	91 +	1	270	28247	28516
UN78809	Rsa1.0.20172.1	764	1331	0	634	660	96 +	105	764	655	1308
UN78810	Rsa1.0.02826.1	787	27560	0	455	464	98 +	305	767	9083	9545
UN78811	Rsa1.0.01567.1	147	43090	5.00E-54	131	139	94 +	3	141	25783	25921
UN78812	Rsa1.0.00329.1	636	222544	8.00E-69	207	232	89 +	318	549	32453	32678
UN78813	Rsa1.0.01051.1	156	55577	5.00E-51	143	156	91 -	1	156	4004	4156
UN78814	Rsa1.0.00713.1	790	158017	0	743	789	94 -	5	772	24782	25570
UN78815	Rsa1.0.00646.1	820	70473	0	535	567	94 -	217	770	1851	2417
UN78816	#	#	#	#	#	#	#	#	#	#	#
UN78817	Rsa1.0.00522.1	518	78103	1.00E-103	232	243	95 -	1	237	58360	58601

UN78818	Rsa1.0.03967.1	768	19815	1.00E-110	367	413	88 -	1	405	15647	16054
UN78819	Rsa1.0.00105.1	496	134138	0	463	471	98 +	2	472	84467	84935
UN78820	Rsa1.0.00979.1	518	57733	2.00E-62	159	169	94 +	1	168	40295	40461
UN78821	Rsa1.0.00685.1	706	68515	1.00E-103	215	223	96 +	303	525	8208	8430
UN78822	Rsa1.0.04497.1	436	17103	0	420	437	96 +	2	436	9786	10220
UN78823	Rsa1.0.01474.1	664	45070	0	409	437	93 +	187	607	165	601
UN78824	Rsa1.0.00497.1	833	79830	0	772	845	91 +	1	833	6235	7066
UN78825	Rsa1.0.00107.1	729	431659	0	514	536	95 -	3	536	146548	147082
UN78826	#	#	#	#	#	#	#	#	#	#	#
UN78827	Rsa1.0.06663.1	631	10576	0	604	625	96 +	7	631	6948	7567
UN78828	Rsa1.0.00266.1	538	163932	0	527	551	95 +	3	538	109372	109922
UN78829	Rsa1.0.02474.1	114	31076	2.00E-40	105	112	93 -	1	112	1655	1766
UN78830	Rsa1.0.01534.1	591	43764	0	571	592	96 +	1	591	10801	11391
UN78831	Rsa1.0.00019.1	512	301669	0	449	479	93 -	11	481	99010	99487
UN78832	Rsa1.0.02831.1	678	27533	2.33E-156	344	369	93 +	7	373	16835	17202
UN78833	Rsa1.0.00087.1	698	761073	1.00E-143	264	266	99 -	230	495	274293	274558
UN78834	Rsa1.0.00375.1	788	90207	2.00E-88	175	178	98 -	611	788	62599	62776
UN78835	Rsa1.0.01405.1	769	46445	0	397	416	95 +	1	412	37017	37432
UN78836	Rsa1.0.00994.1	638	165189	1.00E-115	221	223	99 +	1	222	615	837
UN78837	Rsa1.0.00550.1	779	210790	0	459	475	96 +	11	483	177713	178187
UN78838	Rsa1.0.00134.1	224	390219	2.00E-57	168	184	91 -	6	187	6179	6361
UN78839	Rsa1.0.00187.1	425	393093	1.00E-158	332	347	95 +	1	346	233649	233995
UN78840	Rsa1.0.04882.1	656	15606	0	470	491	95 +	7	497	14117	14604
UN78841	Rsa1.0.00204.1	689	109056	0	594	610	97 -	2	610	84137	84746
UN78842	Rsa1.0.00069.1	613	403561	0	435	456	95 +	158	613	46995	47450
UN78843	Rsa1.0.00786.1	719	64285	1.00E-102	198	201	98 +	316	516	41596	41796
UN78844	Rsa1.0.01397.1	600	183276	0	557	587	94 +	31	600	182504	183079
UN78845	Rsa1.0.02675.1	761	28852	5.00E-61	166	180	92 -	517	695	27132	27311
UN78846	Rsa1.0.00525.1	676	78030	0	656	676	97 +	1	676	52170	52845
UN78847	Rsa1.0.00636.1	702	71113	3.00E-96	197	203	97 +	4	206	16477	16679
UN78848	Rsa1.0.00190.1	738	318240	8.00E-94	178	179	99 -	343	521	8786	8964
UN78849	Rsa1.0.00071.1	799	345714	0	450	456	98 -	1	456	44652	45107
UN78850	Rsa1.0.00247.1	757	103408	1.00E-126	277	292	94 -	1	289	9307	9598
UN78851	Rsa1.0.00341.1	582	249309	0	432	444	97 +	140	582	190299	190740
UN78852	Rsa1.0.05665.1	635	13003	5.00E-79	168	174	96 -	310	483	11754	11927
UN78853	Rsa1.0.04657.1	556	16489	0	356	363	98 +	194	556	6873	7233
UN78854	Rsa1.0.04286.1	450	18084	1.00E-123	266	279	95 +	174	450	13076	13354
UN78855	Rsa1.0.00594.1	645	73729	0	476	500	95 -	1	497	36888	37380
UN78856	Rsa1.0.00340.1	166	305782	1.00E-14	84	97	86 +	7	103	32302	32397

UN78857	Rsa1.0.03073.1	395	25574	0	380	396	95 -	1	395	15109	15501
UN78858	Rsa1.0.03658.1	463	21549	1.00E-161	361	383	94 +	89	463	8749	9131
UN78859	Rsa1.0.00680.1	556	68969	2.00E-72	214	239	89 +	317	555	38212	38450
UN78860	Rsa1.0.00805.1	703	63724	0	425	442	96 -	1	442	43192	43623
UN78861	Rsa1.0.02222.1	700	152798	1.00E-176	381	402	94 -	1	402	4280	4676
UN78862	Rsa1.0.00848.1	687	152362	1.00E-101	205	211	97 +	1	211	39219	39429
UN78863	Rsa1.0.56060.1	464	408	2.00E-74	163	170	95 +	1	170	239	408
UN78864	Rsa1.0.01015.1	425	56752	3.00E-64	140	145	96 -	206	350	3052	3196
UN78865	Rsa1.0.05767.1	566	12701	0	546	566	96 -	1	566	4172	4732
UN78866	Rsa1.0.01074.1	528	54987	2.00E-53	147	159	92 +	107	264	22942	23100
UN78867	Rsa1.0.00019.1	340	301669	4.00E-72	199	217	91 +	5	220	238093	238307
UN78868	Rsa1.0.05326.1	341	14139	2.00E-92	224	238	94 -	2	232	3934	4168
UN78869	Rsa1.0.04235.1	419	18373	0	379	392	96 +	11	401	11400	11790
UN78870	Rsa1.0.04271.1	634	18148	0	581	601	96 +	1	601	12426	13021
UN78871	Rsa1.0.03257.1	383	24305	1.00E-109	297	329	90 +	6	317	13705	14031
UN78872	Rsa1.0.00757.1	235	65559	3.00E-53	202	234	86 -	1	231	41839	42065
UN78873	Rsa1.0.01924.1	738	37226	0	476	502	94 -	46	544	23204	23704
UN78874	Rsa1.0.00547.1	398	76521	1.00E-149	316	328	96 -	1	327	60981	61301
UN78875	Rsa1.0.00413.1	494	86921	0	471	496	94 +	1	494	76263	76754
UN78876	Rsa1.0.02959.1	415	26441	8.00E-68	155	163	95 -	253	415	21381	21543
UN78877	Rsa1.0.10708.1	214	5750	7.00E-79	201	215	93 -	4	214	1932	2145
UN78878	Rsa1.0.05365.1	795	14040	0	542	560	96 -	2	552	11967	12524
UN78879	Rsa1.0.00581.1	587	163575	0	547	560	97 -	31	587	15618	16177
UN78880	Rsa1.0.01610.1	408	42274	1.00E-156	381	412	92 -	1	408	10767	11171
UN78881	Rsa1.0.00055.1	543	520193	0	519	556	93 +	5	543	77956	78507
UN78882	Rsa1.0.00797.1	334	63959	1.00E-152	322	337	95 +	3	334	12392	12728
UN78883	Rsa1.0.00773.1	829	64839	0	457	489	93 +	8	486	52181	52661
UN78884	Rsa1.0.61361.1	728	373	1.00E-126	245	250	98 -	479	728	124	373
UN78885	Rsa1.0.05890.1	498	12317	1.00E-110	245	258	94 -	169	425	465	722
UN78886	Rsa1.0.00003.1	556	340054	1.00E-128	266	276	96 -	1	276	328131	328404
UN78887	Rsa1.0.00045.1	129	328694	7.00E-16	111	130	85 +	1	129	245188	245314
UN78888	Rsa1.0.01403.1	700	46453	0	477	499	95 +	1	495	32133	32628
UN78889	Rsa1.0.02470.1	108	31108	1.00E-23	90	98	91 -	10	106	26169	26262
UN78890	Rsa1.0.00157.1	475	245832	0	433	461	93 +	20	475	146817	147270
UN78891	Rsa1.0.00611.1	452	72410	1.00E-168	360	379	94 +	1	379	40486	40863
UN78892	Rsa1.0.02774.1	731	28038	0	714	728	98 -	4	731	11544	12269
UN78893	Rsa1.0.00273.1	579	326186	1.00E-112	248	260	95 +	4	263	2544	2799
UN78894	Rsa1.0.04881.1	485	15608	0	461	486	94 +	1	485	8307	8792
UN78895	Rsa1.0.00878.1	588	330303	1.00E-133	305	325	93 +	195	516	148578	148899

UN78896	Rsa1.0.00192.1	411	278200	1.00E-161	300	303	99 -	3	305	13714	14015
UN78897	Rsa1.0.01679.1	622	146876	1.00E-145	315	331	95 -	6	333	134606	134930
UN78898	Rsa1.0.00027.1	744	283362	1.00E-119	227	230	98 -	511	740	136818	137047
UN78899	Rsa1.0.04086.1	686	19166	1.00E-180	405	429	94 +	1	426	10498	10923
UN78900	Rsa1.0.05590.1	696	13242	0	388	399	97 -	298	696	3896	4294
UN78901	Rsa1.0.00632.1	529	183777	0	389	405	96 +	1	404	20007	20411
UN78902	Rsa1.0.01405.1	496	46445	0	346	354	97 -	143	496	27877	28230
UN78903	Rsa1.0.00089.1	695	406142	0	451	461	97 -	1	459	184161	184621
UN78904	Rsa1.0.00683.1	601	68638	1.00E-115	306	337	90 +	1	331	8474	8804
UN78905	Rsa1.0.00568.1	748	75219	1.00E-158	304	311	97 +	436	746	59068	59378
UN78906	Rsa1.0.02319.1	725	32580	0	463	476	97 -	1	475	19606	20080
UN78907	Rsa1.0.02267.1	109	33194	2.00E-18	84	94	89 +	19	109	22435	22528
UN78908	Rsa1.0.00888.1	101	60978	2.00E-37	94	99	94 -	1	99	19676	19774
UN78909	Rsa1.0.03337.1	127	23632	2.00E-19	70	77	90 -	5	81	21208	21284
UN78910	Rsa1.0.00136.1	611	122464	0	579	606	95 -	15	611	8627	9232
UN78911	Rsa1.0.01373.1	739	47052	1.00E-134	298	313	95 -	99	408	5281	5591
UN78912	Rsa1.0.01155.1	727	52182	0	671	750	89 -	1	725	13040	13779
UN78913	Rsa1.0.00381.1	457	89718	0	408	421	96 -	3	423	29797	30216
UN78914	Rsa1.0.01458.1	236	175719	1.00E-102	226	235	96 +	1	233	33189	33421
UN78915	Rsa1.0.00014.1	322	348985	2.33E-156	301	314	95 +	5	318	236794	237107
UN78916	Rsa1.0.08496.1	259	7271	3.00E-97	241	260	92 -	1	259	2392	2651
UN78917	Rsa1.0.00440.1	249	84723	2.00E-76	163	169	96 -	36	204	47885	48053
UN78918	Rsa1.0.00008.1	517	358124	1.00E-159	377	413	91 +	4	416	54836	55228
UN78919	Rsa1.0.02719.1	411	28428	0	396	410	96 -	2	411	10120	10529
UN78920	Rsa1.0.01859.1	631	38073	0	618	641	96 -	2	631	6651	7291
UN78921	Rsa1.0.01112.1	737	310601	1.00E-163	422	461	91 +	1	448	48481	48932
UN78922	Rsa1.0.00381.1	148	89718	1.00E-23	62	64	96 +	79	142	54546	54609
UN78923	#	#	#	#	#	#	#	#	#	#	#
UN78924	Rsa1.0.01668.1	822	41299	1.00E-137	301	318	94 +	2	316	20208	20525
UN78925	Rsa1.0.01215.1	405	166813	1.00E-140	314	334	94 +	6	336	9673	10006
UN78926	Rsa1.0.00480.1	272	81325	1.00E-104	231	244	94 -	1	244	1285	1528
UN78927	Rsa1.0.00179.1	491	393324	1.00E-121	252	261	96 +	3	263	213991	214250
UN78928	Rsa1.0.00187.1	766	393093	1.00E-140	255	256	99 +	188	443	207308	207563
UN78929	Rsa1.0.11073.1	774	5625	1.00E-165	319	327	97 +	448	774	4853	5179
UN78930	Rsa1.0.00017.1	196	752458	8.00E-26	172	211	81 +	3	193	719238	719448
UN78931	Rsa1.0.03517.1	741	22337	0	700	736	95 +	21	741	2966	3698
UN78932	Rsa1.0.01586.1	705	42804	8.00E-97	204	211	96 -	1	209	1229	1439
UN78933	Rsa1.0.00708.1	197	67366	3.00E-53	164	185	88 -	22	196	63367	63551
UN78934	Rsa1.0.00417.1	636	395068	0	560	563	99 -	74	636	5201	5763

UN78935	Rsa1.0.02165.1	148	34423	6.00E-29	92	100	92 +	39	136	3037	3136
UN78936	Rsa1.0.03122.1	593	25207	1.00E-95	338	388	87 +	1	378	9487	9859
UN78937	Rsa1.0.03682.1	753	21396	0	679	726	93 -	28	753	9638	10360
UN78938	Rsa1.0.09755.1	250	6166	6.00E-86	232	252	92 -	1	250	1474	1723
UN78939	Rsa1.0.00883.1	185	61230	1.00E-12	41	42	97 -	80	121	54568	54609
UN78940	Rsa1.0.02304.1	529	32793	0	503	536	93 -	1	529	29278	29806
UN78941	Rsa1.0.00201.1	571	232851	4.00E-92	187	192	97 +	380	571	211	402
UN78942	Rsa1.0.00048.1	430	167185	1.00E-155	319	333	95 -	95	427	103223	103555
UN78943	Rsa1.0.01986.1	793	36489	0	751	793	94 -	1	793	30967	31741
UN78944	Rsa1.0.02906.1	710	26866	1.00E-141	266	270	98 -	411	680	23258	23527
UN78945	Rsa1.0.00114.1	829	131330	1.00E-131	265	273	97 +	260	532	7926	8197
UN78946	Rsa1.0.01214.1	633	50599	1.00E-177	462	505	91 -	23	505	1680	2180
UN78947	Rsa1.0.00646.1	438	70473	1.00E-154	323	339	95 +	100	438	4443	4781
UN78948	Rsa1.0.00195.1	421	251884	9.00E-80	205	225	91 -	1	225	83583	83796
UN78949	Rsa1.0.00336.1	758	445051	1.00E-103	297	329	90 +	1	318	439520	439835
UN78950	Rsa1.0.06757.1	650	10411	0	623	650	95 +	1	650	3161	3810
UN78951	Rsa1.0.01118.1	580	53460	1.00E-100	191	193	98 +	272	464	13141	13333
UN78952	Rsa1.0.01094.1	513	167285	0	423	441	95 -	9	449	12558	12993
UN78953	Rsa1.0.00331.1	636	176754	0	614	637	96 +	2	636	22253	22889
UN78954	Rsa1.0.00288.1	605	98659	1.00E-165	341	355	96 +	10	362	52892	53243
UN78955	Rsa1.0.01377.1	774	46967	0	512	558	91 +	2	545	13143	13695
UN78956	Rsa1.0.01540.1	550	151890	0	476	497	95 -	6	500	111905	112397
UN78957	Rsa1.0.00007.1	654	239325	1.00E-106	205	208	98 +	436	643	108295	108502
UN78958	Rsa1.0.07217.1	286	9703	3.00E-69	258	298	86 -	12	286	5265	5560
UN78959	Rsa1.0.01970.1	633	36648	0	485	506	95 -	138	633	30532	31035
UN78960	Rsa1.0.01274.1	609	49419	1.00E-113	269	287	93 +	130	413	27810	28096
UN78961	Rsa1.0.00093.1	362	214962	2.00E-65	148	155	95 +	186	340	98055	98209
UN78962	Rsa1.0.00119.1	527	467509	1.00E-142	323	344	93 -	7	349	346154	346497
UN78963	Rsa1.0.00294.1	145	144860	1.00E-36	84	86	97 +	60	145	115618	115703
UN78964	Rsa1.0.01035.1	472	56019	0	444	472	94 +	1	471	43885	44355
UN78965	Rsa1.0.02659.1	442	28971	0	425	442	96 +	3	442	22703	23143
UN78966	Rsa1.0.01543.1	665	43645	1.00E-101	208	215	96 +	177	391	7131	7345
UN78967	Rsa1.0.00016.1	364	831256	3.00E-85	223	238	93 -	1	233	19574	19809
UN78968	Rsa1.0.03695.1	499	21329	5.00E-91	216	230	93 -	1	230	7409	7637
UN78969	Rsa1.0.00153.1	801	192931	0	429	450	95 -	1	447	191754	192200
UN78970	Rsa1.0.02234.1	619	33618	7.00E-60	151	162	93 -	265	426	2559	2720
UN78971	Rsa1.0.00067.1	375	415055	1.00E-111	342	385	88 +	2	375	241174	241554
UN78972	Rsa1.0.01412.1	647	46311	2.00E-63	124	124	100 -	407	530	46188	46311
UN78973	Rsa1.0.03420.1	546	23090	0	497	516	96 +	1	516	7501	8013

UN78974	Rsa1.0.00751.1	479	65759	0	431	459	93 +	2	458	42564	43012
UN78975	Rsa1.0.00153.1	432	192931	2.00E-74	327	380	86 -	3	373	166016	166375
UN78976	Rsa1.0.00519.1	303	197864	1.00E-110	256	274	93 -	1	274	192606	192879
UN78977	Rsa1.0.00586.1	611	163802	1.00E-111	278	300	92 +	3	301	124914	125212
UN78978	Rsa1.0.00030.1	739	250988	1.00E-103	283	308	91 -	2	300	148127	148431
UN78979	Rsa1.0.00262.1	692	101906	1.00E-112	224	230	97 -	284	513	69557	69786
UN78980	Rsa1.0.00682.1	644	68680	0	382	392	97 -	1	392	9215	9602
UN78981	Rsa1.0.01400.1	614	46560	0	381	398	95 -	28	420	37870	38267
UN78982	Rsa1.0.00744.1	289	66084	1.00E-127	275	290	94 +	1	285	64879	65168
UN78983	Rsa1.0.00979.1	651	57733	1.00E-124	241	246	97 +	353	598	26229	26474
UN78984	Rsa1.0.01273.1	814	49464	2.00E-82	186	196	94 -	129	324	19120	19315
UN78985	Rsa1.0.01706.1	657	40694	1.00E-137	327	353	92 -	15	367	24223	24556
UN78986	Rsa1.0.00107.1	764	431659	0	591	636	92 +	15	639	313220	313840
UN78987	Rsa1.0.00204.1	461	109056	0	436	461	94 +	1	461	83000	83456
UN78988	Rsa1.0.00088.1	615	141341	0	590	615	95 +	1	615	44537	45149
UN78989	Rsa1.0.02758.1	447	28186	0	414	432	95 -	1	430	13847	14274
UN78990	Rsa1.0.00306.1	181	146760	4.00E-55	165	184	89 +	1	178	135906	136089
UN78991	Rsa1.0.01682.1	689	41090	1.00E-175	352	364	96 -	15	377	10171	10534
UN78992	Rsa1.0.00380.1	185	89748	4.00E-18	87	100	87 -	4	103	79070	79160
UN78993	Rsa1.0.04860.1	791	15696	1.00E-116	228	232	98 +	443	673	328	559
UN78994	Rsa1.0.10745.1	613	5736	1.00E-144	289	299	96 -	4	302	3266	3564
UN78995	Rsa1.0.00092.1	664	659932	1.00E-129	306	329	93 +	12	338	347962	348279
UN78996	Rsa1.0.00390.1	683	88681	6.00E-48	173	193	89 -	482	672	68593	68777
UN78997	Rsa1.0.05160.1	758	14637	1.00E-116	259	274	94 +	371	641	13102	13375
UN78998	Rsa1.0.00001.1	595	363028	0	402	416	96 +	30	445	303196	303611
UN78999	Rsa1.0.00758.1	591	65477	1.00E-115	279	302	92 +	4	305	33858	34149
UN79000	Rsa1.0.00626.1	807	71582	0	579	599	96 +	9	606	8371	8968
UN79001	Rsa1.0.02223.1	142	152421	2.00E-16	104	125	83 +	11	120	16847	16968
UN79002	Rsa1.0.01997.1	559	158416	1.00E-98	222	234	94 +	3	234	5410	5643
UN79003	Rsa1.0.00385.1	652	89160	1.00E-148	567	657	86 +	1	652	66993	67645
UN79004	Rsa1.0.01846.1	497	38367	1.00E-145	350	375	93 -	128	497	28347	28720
UN79005	Rsa1.0.01321.1	763	48248	0	400	422	94 +	87	499	6404	6825
UN79006	Rsa1.0.01441.1	799	45790	8.00E-91	176	178	98 +	178	355	30012	30189
UN79007	Rsa1.0.01258.1	120	49755	7.00E-28	84	91	92 +	30	120	22329	22419
UN79008	Rsa1.0.09912.1	665	6092	0	589	645	91 -	31	659	1	632
UN79009	Rsa1.0.03981.1	496	19724	1.00E-117	232	238	97 +	116	353	17481	17718
UN79010	Rsa1.0.00497.1	783	79830	1.00E-102	244	261	93 +	3	263	50810	51069
UN79011	Rsa1.0.00419.1	711	86562	1.00E-109	322	351	91 -	377	711	41846	42191
UN79012	Rsa1.0.00032.1	786	306326	1.00E-141	329	351	93 -	394	743	198009	198358

UN79013	Rsa1.0_13838.1	699	4236	0	620	644	96 -	2	633	3281	3919
UN79014	Rsa1.0_00111.1	540	390088	0	507	534	94 +	10	540	383673	384199
UN79015	Rsa1.0_16562.1	689	2111	0	655	698	93 -	1	689	1062	1756
UN79016	Rsa1.0_02399.1	519	31763	0	474	508	93 -	13	519	13208	13711
UN79017	Rsa1.0_01000.1	824	57140	6.00E-98	233	248	93 +	34	273	37925	38171
UN79018	Rsa1.0_03662.1	472	21492	7.00E-90	183	188	97 +	219	406	11532	11719
UN79019	Rsa1.0_00822.1	145	62891	6.00E-35	87	91	95 -	54	144	47348	47438
UN79020	Rsa1.0_02648.1	668	29073	1.00E-143	272	277	98 -	392	668	25949	26225
UN79021	Rsa1.0_00485.1	791	80937	1.00E-154	286	289	98 +	446	734	37393	37681
UN79022	Rsa1.0_02241.1	585	33520	1.00E-180	372	389	95 -	189	577	20923	21308
UN79023	Rsa1.0_00888.1	114	60978	7.00E-28	93	103	90 +	12	114	54512	54614
UN79024	Rsa1.0_00979.1	253	57733	1.00E-126	247	252	98 -	3	253	26912	27163
UN79025	Rsa1.0_02179.1	644	34188	0	437	451	96 -	1	451	7098	7542
UN79026	Rsa1.0_00094.1	637	139042	0	555	567	97 +	5	570	120130	120696
UN79027	Rsa1.0_00161.1	427	116891	1.00E-126	256	265	96 -	163	427	26339	26603
UN79028	Rsa1.0_02952.1	633	26492	0	602	620	97 -	3	622	20478	21097
UN79029	Rsa1.0_00197.1	660	109714	1.00E-171	343	356	96 +	10	365	36533	36888
UN79030	Rsa1.0_02911.1	757	142461	1.00E-92	213	225	94 -	50	273	129556	129780
UN79031	Rsa1.0_02001.1	589	36198	0	463	490	94 -	1	487	31940	32422
UN79032	Rsa1.0_08988.1	613	6732	1.00E-163	403	442	91 +	2	431	815	1243
UN79033	Rsa1.0_00381.1	160	89718	1.00E-42	112	120	93 +	41	160	87953	88072
UN79034	Rsa1.0_00451.1	446	322533	1.00E-121	270	285	94 +	58	341	993	1277
UN79035	Rsa1.0_00487.1	509	80674	1.00E-115	284	305	93 +	1	303	59392	59694
UN79036	Rsa1.0_01730.1	686	40223	0	654	690	94 -	1	686	35837	36512
UN79037	Rsa1.0_04034.1	482	19481	1.00E-107	203	205	99 -	278	482	13457	13661
UN79038	Rsa1.0_00060.1	719	502678	0	612	627	97 -	23	649	490793	491419
UN79039	Rsa1.0_00058.1	123	159921	4.00E-42	114	123	92 +	1	123	150878	151000
UN79040	Rsa1.0_01245.1	688	149868	0	529	551	96 -	138	688	21474	22024
UN79041	Rsa1.0_00123.1	225	325650	1.00E-55	186	209	88 -	19	225	268117	268324
UN79042	Rsa1.0_00254.1	288	102600	1.00E-47	129	137	94 +	13	147	77465	77601
UN79043	Rsa1.0_02722.1	299	28417	7.00E-52	137	144	95 -	37	179	1350	1491
UN79044	Rsa1.0_00632.1	753	183777	0	430	462	93 -	12	471	157543	157998
UN79045	Rsa1.0_03093.1	780	25445	0	761	782	97 -	1	780	10202	10980
UN79046	Rsa1.0_04378.1	293	17651	1.00E-117	270	289	93 -	1	289	4666	4954
UN79047	Rsa1.0_01147.1	152	52391	4.00E-21	91	102	89 +	1	102	46152	46249
UN79048	Rsa1.0_00045.1	274	328694	7.00E-55	158	173	91 -	1	172	189602	189774
UN79049	Rsa1.0_00396.1	165	88242	3.00E-74	160	165	96 -	1	165	49409	49572
UN79050	Rsa1.0_00743.1	779	177459	0	742	804	92 +	3	779	6012	6799
UN79051	Rsa1.0_00931.1	115	59210	6.00E-47	111	115	96 +	1	115	8540	8653

UN79052	Rsa1.0.03077.1	497	25558	1.00E-112	288	308	93 +	1	303	6682	6987
UN79053	Rsa1.0.03263.1	658	24268	0	625	670	93 +	1	658	21907	22571
UN79054	Rsa1.0.00294.1	787	144860	0	566	582	97 -	206	787	57864	58442
UN79055	Rsa1.0.13498.1	239	4764	3.00E-84	211	228	92 -	1	228	1758	1982
UN79056	Rsa1.0.01529.1	756	43871	0	728	769	94 -	1	756	24147	24908
UN79057	Rsa1.0.18326.1	601	1620	0	523	542	96 -	61	601	1083	1620
UN79058	Rsa1.0.00166.1	607	240912	1.00E-128	241	244	98 +	364	607	191237	191480
UN79059	Rsa1.0.00019.1	437	301669	1.00E-109	360	414	86 +	25	437	293057	293444
UN79060	Rsa1.0.33317.1	666	681	9.00E-81	280	320	87 -	54	364	86	401
UN79061	Rsa1.0.00051.1	489	258225	0	476	496	95 -	1	489	34408	34903
UN79062	Rsa1.0.13010.1	206	5047	1.00E-98	197	202	97 +	1	202	2378	2579
UN79063	Rsa1.0.04783.1	354	15995	2.00E-83	290	330	87 -	20	342	2984	3308
UN79064	Rsa1.0.00939.1	175	185227	1.00E-73	156	160	97 +	17	175	170392	170551
UN79065	Rsa1.0.00190.1	781	318240	1.00E-156	307	315	97 +	468	781	8210	8524
UN79066	Rsa1.0.00216.1	740	197563	1.00E-111	281	304	92 +	76	379	11154	11444
UN79067	Rsa1.0.00412.1	403	86935	0	386	403	95 +	1	403	34471	34871
UN79068	Rsa1.0.00088.1	184	141341	5.00E-24	72	77	93 +	108	184	19042	19118
UN79069	Rsa1.0.21244.1	277	1222	2.00E-82	234	259	90 +	19	277	577	829
UN79070	Rsa1.0.00681.1	310	68779	5.00E-90	218	232	93 -	23	252	57460	57691
UN79071	Rsa1.0.00158.1	350	117999	1.00E-115	265	281	94 -	4	278	100334	100612
UN79072	Rsa1.0.02262.1	807	33239	2.00E-33	150	174	86 -	114	286	11528	11701
UN79073	Rsa1.0.02860.1	229	27207	7.00E-39	167	195	85 -	3	197	12720	12910
UN79074	Rsa1.0.00075.1	689	146680	3.00E-65	165	175	94 +	157	331	142072	142244
UN79075	Rsa1.0.02019.1	204	35983	3.00E-78	192	204	94 +	1	204	13307	13503
UN79076	Rsa1.0.01708.1	678	40622	0	648	675	96 +	1	675	2751	3425
UN79077	Rsa1.0.03634.1	762	145192	0	742	762	97 +	3	761	128061	128814
UN79078	Rsa1.0.00223.1	648	106231	0	604	649	93 -	1	648	3397	4035
UN79079	Rsa1.0.00273.1	493	326186	0	441	455	96 +	45	493	237453	237907
UN79080	Rsa1.0.00015.1	628	561803	1.00E-137	350	384	91 -	95	475	359573	359944
UN79081	Rsa1.0.08116.1	794	7881	0	777	806	96 +	1	794	4928	5733
UN79082	Rsa1.0.01900.1	720	37473	0	690	718	96 +	3	720	26580	27277
UN79083	Rsa1.0.03523.1	174	22299	8.00E-75	166	174	95 -	1	174	10212	10385
UN79084	Rsa1.0.00228.1	251	105511	1.00E-104	236	251	94 -	1	251	82664	82914
UN79085	Rsa1.0.00033.1	632	515811	0	595	632	94 +	1	632	392018	392637
UN79086	Rsa1.0.02893.1	127	26999	9.00E-40	110	119	92 +	4	122	24943	25061
UN79087	Rsa1.0.02772.1	661	28047	1.00E-107	262	283	92 +	20	295	2794	3074
UN79088	Rsa1.0.00686.1	640	68511	0	471	510	92 +	9	513	27894	28402
UN79089	Rsa1.0.01955.1	727	36850	2.00E-76	261	297	87 -	443	727	13240	13535
UN79090	Rsa1.0.03860.1	440	20407	1.00E-149	342	366	93 -	28	390	13514	13879

UN79091	Rsa1.0_10640.1	134	5772	1.00E-32	116	131	88 -	4	134	1624	1754
UN79092	Rsa1.0_00107.1	560	431659	0	448	471	95 -	2	470	146548	147015
UN79093	Rsa1.0_07441.1	640	9388	2.00E-87	182	188	96 -	450	637	770	957
UN79094	Rsa1.0_00088.1	189	141341	4.00E-74	177	189	93 +	1	189	56687	56875
UN79095	Rsa1.0_08194.1	147	7757	1.00E-48	127	137	92 +	11	147	5566	5696
UN79096	Rsa1.0_00276.1	436	100160	1.00E-148	280	285	98 -	149	433	95528	95812
UN79097	Rsa1.0_00299.1	632	97770	0	425	431	98 +	70	500	2342	2772
UN79098	Rsa1.0_00032.1	323	306326	6.00E-71	194	212	91 +	10	215	284767	284978
UN79099	Rsa1.0_00116.1	479	365886	1.00E-168	453	500	90 -	1	477	324552	325047
UN79100	Rsa1.0_04291.1	720	18055	2.00E-54	209	241	86 -	413	652	2260	2500
UN79101	Rsa1.0_01176.1	554	51638	2.00E-69	143	146	97 +	92	237	47428	47573
UN79102	Rsa1.0_00244.1	671	103590	2.00E-41	134	149	89 -	8	156	73674	73819
UN79103	Rsa1.0_01668.1	772	41299	0	720	780	92 -	1	768	21279	22043
UN79104	Rsa1.0_11073.1	507	5625	0	381	392	97 -	116	507	5231	5622
UN79105	Rsa1.0_04272.1	214	18144	3.00E-41	95	98	96 +	88	185	14215	14312
UN79106	Rsa1.0_03448.1	750	22844	1.00E-132	269	279	96 -	468	746	19654	19932
UN79107	Rsa1.0_00805.1	231	63724	2.00E-63	141	147	95 +	5	151	4928	5074
UN79108	Rsa1.0_00057.1	670	160473	0	656	670	97 -	1	670	25084	25753
UN79109	Rsa1.0_07898.1	785	8339	1.00E-137	293	303	96 -	4	303	1316	1617
UN79110	Rsa1.0_03517.1	667	22337	1.00E-141	347	376	92 -	301	667	3774	4143
UN79111	Rsa1.0_15250.1	410	2727	1.00E-84	222	242	91 -	163	403	1092	1327
UN79112	Rsa1.0_00626.1	361	71582	1.00E-145	336	360	93 -	1	359	9986	10345
UN79113	Rsa1.0_00039.1	596	296927	1.00E-61	192	217	88 -	200	414	223486	223690
UN79114	Rsa1.0_04375.1	205	141717	1.00E-92	196	205	95 +	1	205	3488	3684
UN79115	Rsa1.0_37225.1	805	605	0	456	477	95 +	107	583	114	590
UN79116	Rsa1.0_02335.1	866	32400	0	718	746	96 +	13	757	19619	20362
UN79117	Rsa1.0_00608.1	621	172672	1.00E-159	330	341	96 -	1	341	106254	106591
UN79118	Rsa1.0_00198.1	377	222963	0	365	377	96 +	1	377	176266	176642
UN79119	Rsa1.0_00786.1	598	64285	1.00E-98	225	236	95 +	1	231	52476	52710
UN79120	Rsa1.0_02223.1	546	152421	0	436	455	95 -	1	449	17952	18405
UN79121	Rsa1.0_22413.1	429	1123	1.00E-171	308	309	99 +	1	309	284	592
UN79122	Rsa1.0_01321.1	608	48248	0	588	614	95 -	1	608	8219	8828
UN79123	Rsa1.0_02118.1	244	34839	1.00E-104	225	236	95 -	1	236	7761	7996
UN79124	Rsa1.0_03252.1	621	24338	1.00E-159	373	403	92 -	3	402	15911	16300
UN79125	Rsa1.0_00646.1	291	70473	1.00E-19	53	54	98 +	238	291	6367	6420
UN79126	Rsa1.0_02528.1	500	30452	1.00E-136	319	340	93 -	17	353	21646	21984
UN79127	Rsa1.0_00087.1	284	761073	1.00E-65	148	155	95 -	130	284	224983	225137
UN79128	Rsa1.0_06683.1	614	10549	0	386	402	96 -	2	403	8848	9249
UN79129	Rsa1.0_00429.1	206	85559	2.00E-85	197	207	95 -	1	205	61650	61855

UN79130	Rsa1.0.00010.1	120	294827	4.00E-17	107	129	82 +	3	117	247477	247605
UN79131	Rsa1.0.00243.1	701	103651	1.00E-92	176	177	99 -	1	177	26911	27087
UN79132	Rsa1.0.02792.1	499	27829	0	451	488	92 -	19	499	21393	21876
UN79133	Rsa1.0.00172.1	738	115476	1.00E-178	326	328	99 +	411	738	48895	49221
UN79134	Rsa1.0.00161.1	699	116891	1.00E-166	344	360	95 +	226	585	25631	25990
UN79135	Rsa1.0.00148.1	203	120234	2.00E-82	191	203	94 -	1	203	8997	9199
UN79136	Rsa1.0.01126.1	816	53127	0	781	805	97 -	1	804	36492	37296
UN79137	Rsa1.0.03781.1	323	20891	1.00E-125	297	316	93 -	10	323	11843	12153
UN79138	Rsa1.0.04837.1	395	15764	0	382	394	96 +	2	395	6080	6471
UN79139	Rsa1.0.00246.1	235	103541	8.00E-88	201	212	94 +	1	212	4630	4835
UN79140	Rsa1.0.16480.1	643	2141	0	577	588	98 +	56	643	425	1012
UN79141	Rsa1.0.00025.1	709	277312	1.00E-111	235	244	96 +	39	282	149673	149915
UN79142	Rsa1.0.05713.1	584	12855	0	392	407	96 +	1	407	6785	7189
UN79143	Rsa1.0.00294.1	590	144860	0	437	472	92 +	25	482	64093	64563
UN79144	Rsa1.0.02422.1	550	161122	0	538	550	97 -	1	550	28614	29163
UN79145	Rsa1.0.02515.1	709	30616	1.00E-121	311	337	92 +	4	331	27661	27993
UN79146	Rsa1.0.02807.1	683	27680	1.00E-177	357	370	96 +	68	437	5096	5464
UN79147	Rsa1.0.01543.1	750	43645	0	559	588	95 -	3	581	15007	15592
UN79148	Rsa1.0.04630.1	831	16595	0	461	479	96 -	356	831	13415	13893
UN79149	Rsa1.0.00292.1	174	98141	4.00E-27	68	70	97 -	35	104	6880	6949
UN79150	Rsa1.0.00642.1	775	201230	1.00E-115	271	292	92 +	2	285	28087	28378
UN79151	Rsa1.0.02001.1	773	36198	0	486	520	93 -	1	517	31940	32450
UN79152	Rsa1.0.00888.1	620	60978	1.00E-27	117	131	89 +	337	462	39051	39177
UN79153	Rsa1.0.00005.1	507	353093	1.00E-132	294	308	95 -	1	302	130794	131100
UN79154	Rsa1.0.01986.1	507	36489	1.00E-176	450	494	91 -	7	495	21467	21945
UN79155	Rsa1.0.00565.1	727	75420	1.00E-152	276	277	99 +	195	471	65983	66259
UN79156	Rsa1.0.00116.1	766	365886	3.00E-93	219	234	93 +	425	658	325752	325985
UN79157	Rsa1.0.00301.1	524	365315	0	502	526	95 +	1	524	197537	198059
UN79158	Rsa1.0.00668.1	444	69421	1.00E-100	233	249	93 -	182	430	54455	54703
UN79159	Rsa1.0.00715.1	599	67116	1.00E-109	319	358	89 +	37	392	16405	16756
UN79160	Rsa1.0.01497.1	734	44559	0	436	453	96 +	1	450	8181	8631
UN79161	Rsa1.0.02399.1	758	31763	0	598	629	95 -	1	629	12962	13590
UN79162	Rsa1.0.03431.1	481	22974	0	442	473	93 +	23	481	16404	16873
UN79163	Rsa1.0.00875.1	737	61371	0	711	753	94 +	1	737	58228	58977
UN79164	Rsa1.0.01488.1	688	44766	0	549	576	95 +	3	576	6347	6922
UN79165	Rsa1.0.00745.1	486	66067	1.00E-176	359	372	96 -	115	486	43147	43516
UN79166	Rsa1.0.00248.1	640	163568	1.00E-143	294	305	96 +	3	305	41533	41837
UN79167	Rsa1.0.01412.1	348	46311	1.00E-137	317	340	93 -	1	340	2369	2708
UN79168	Rsa1.0.00078.1	771	175053	2.00E-94	244	263	92 +	3	262	42649	42905

UN79169	Rsa1.0_04098.1	408	19078	1.00E-113	302	326	92 +	3	322	11234	11553
UN79170	Rsa1.0_00632.1	425	183777	3.00E-95	239	257	92 +	1	256	149183	149438
UN79171	Rsa1.0_00065.1	342	454616	1.00E-124	318	343	92 +	3	342	26190	26527
UN79172	Rsa1.0_01020.1	233	56619	5.00E-49	108	111	97 -	56	166	34192	34302
UN79173	Rsa1.0_02444.1	642	31350	0	628	648	96 -	1	642	4195	4842
UN79174	Rsa1.0_14752.1	195	3100	9.00E-69	182	196	92 -	1	195	50	244
UN79175	Rsa1.0_00350.1	488	92346	1.00E-124	309	338	91 +	27	364	61927	62250
UN79176	Rsa1.0_01130.1	782	52929	0	522	531	98 -	1	529	34567	35097
UN79177	Rsa1.0_01431.1	578	167877	0	424	434	97 -	1	434	21463	21893
UN79178	Rsa1.0_01814.1	222	38917	1.00E-107	218	224	97 +	1	222	37168	37391
UN79179	Rsa1.0_00585.1	241	74164	1.00E-74	217	241	90 +	1	241	47844	48082
UN79180	Rsa1.0_02931.1	340	26654	1.00E-132	310	331	93 -	1	331	6184	6508
UN79181	Rsa1.0_00045.1	608	328694	0	538	578	93 -	34	608	16229	16792
UN79182	Rsa1.0_00962.1	151	184909	2.00E-47	115	120	95 +	33	151	51825	51944
UN79183	Rsa1.0_08412.1	295	7404	1.00E-99	267	291	91 +	10	291	4359	4644
UN79184	Rsa1.0_01524.1	711	43949	0	639	704	90 -	42	709	8396	9092
UN79185	Rsa1.0_03502.1	809	22446	0	731	755	96 +	1	754	16475	17223
UN79186	Rsa1.0_00066.1	123	152418	5.00E-26	87	96	90 +	28	123	139775	139870
UN79187	Rsa1.0_00525.1	474	78030	6.00E-75	152	155	98 +	253	407	48823	48977
UN79188	Rsa1.0_03694.1	186	21336	1.00E-76	179	188	95 -	1	186	983	1169
UN79189	Rsa1.0_01656.1	658	41494	0	586	631	92 +	19	629	27640	28269
UN79190	Rsa1.0_05428.1	699	13789	0	455	482	94 +	41	522	611	1084
UN79191	Rsa1.0_00200.1	649	162016	0	605	623	97 +	27	648	122498	123120
UN79192	Rsa1.0_01206.1	403	50772	1.00E-177	382	403	94 -	1	403	35373	35774
UN79193	Rsa1.0_03845.1	289	20486	6.00E-49	99	99	100 -	184	282	11680	11778
UN79194	Rsa1.0_00844.1	331	62403	7.00E-83	223	244	91 -	89	331	19218	19461
UN79195	Rsa1.0_00926.1	731	195072	1.00E-135	260	265	98 +	467	731	176938	177202
UN79196	Rsa1.0_03808.1	262	20732	1.00E-120	253	262	96 +	1	262	410	669
UN79197	Rsa1.0_02859.1	203	162118	9.00E-72	187	203	92 +	1	203	24574	24773
UN79198	Rsa1.0_01583.1	630	156297	0	606	636	95 -	3	630	151216	151839
UN79199	Rsa1.0_00596.1	503	73578	0	410	424	96 +	3	426	42104	42527
UN79200	Rsa1.0_04915.1	852	15461	0	430	449	95 +	1	447	8183	8630
UN79201	Rsa1.0_02041.1	426	163634	2.00E-49	149	162	91 +	113	270	12331	12491
UN79202	Rsa1.0_03624.1	650	21706	1.00E-105	285	310	91 -	5	310	9250	9559
UN79203	Rsa1.0_00190.1	385	318240	8.00E-74	167	175	95 +	1	175	4028	4199
UN79204	#	#	#	#	#	#	#	#	#	#	#
UN79205	Rsa1.0_65233.1	109	352	6.00E-19	69	76	90 -	1	76	1	76
UN79206	Rsa1.0_00698.1	339	67816	1.00E-115	316	347	91 +	1	339	21763	22109
UN79207	Rsa1.0_00202.1	357	185895	1.00E-149	330	350	94 -	8	357	4810	5151

UN79208	Rsa1.0.06753.1	517	10416	2.00E-71	245	277	88 +	62	335	9430	9696
UN79209	Rsa1.0.00362.1	118	299497	3.00E-21	55	56	98 +	57	112	268227	268282
UN79210	Rsa1.0.49062.1	404	462	1.00E-127	265	276	96 -	5	280	191	462
UN79211	Rsa1.0.01400.1	689	46560	0	420	433	96 -	6	438	13162	13592
UN79212	Rsa1.0.03407.1	472	23154	1.00E-133	251	253	99 +	1	253	8209	8460
UN79213	Rsa1.0.00169.1	421	274298	1.00E-109	272	295	92 +	1	295	267909	268191
UN79214	Rsa1.0.00220.1	693	192936	1.00E-153	284	287	98 -	407	693	111055	111341
UN79215	Rsa1.0.00006.1	597	396176	1.00E-125	254	260	97 -	1	259	250588	250846
UN79216	Rsa1.0.00641.1	231	208241	1.00E-86	211	227	92 -	1	227	147815	148037
UN79217	Rsa1.0.10284.1	555	5904	0	522	531	98 -	2	532	1260	1790
UN79218	Rsa1.0.02485.1	442	30968	0	436	449	97 +	1	442	26755	27203
UN79219	Rsa1.0.00051.1	216	258225	4.00E-62	194	216	89 +	1	216	47509	47716
UN79220	Rsa1.0.00764.1	847	65056	1.00E-127	258	266	96 -	1	266	21209	21472
UN79221	Rsa1.0.01232.1	635	155185	1.00E-178	357	369	96 -	2	370	150401	150763
UN79222	Rsa1.0.02399.1	719	31763	0	684	718	95 -	2	719	12992	13707
UN79223	Rsa1.0.08937.1	645	6769	0	568	633	89 +	11	634	4829	5456
UN79224	Rsa1.0.03746.1	797	21050	1.00E-148	329	346	95 -	1	345	15114	15456
UN79225	Rsa1.0.00046.1	516	320315	3.00E-58	198	224	88 -	108	323	126782	127003
UN79226	Rsa1.0.06052.1	462	11848	4.00E-45	114	121	94 +	306	426	7027	7147
UN79227	Rsa1.0.00205.1	722	193401	1.00E-140	309	328	94 -	114	430	171708	172035
UN79228	Rsa1.0.04082.1	391	19180	1.00E-154	306	316	96 +	3	318	18371	18686
UN79229	Rsa1.0.03761.1	677	20982	0	364	368	98 +	310	677	10831	11198
UN79230	Rsa1.0.00347.1	195	93048	5.00E-64	172	185	92 +	12	195	66839	67018
UN79231	Rsa1.0.00136.1	762	122464	0	541	571	94 +	7	577	60392	60962
UN79232	Rsa1.0.01384.1	583	46803	3.00E-74	157	161	97 +	2	160	32829	32989
UN79233	Rsa1.0.00416.1	721	86772	1.00E-104	228	239	95 -	486	721	43880	44118
UN79234	Rsa1.0.01296.1	352	49035	1.00E-170	344	356	96 +	1	352	35532	35887
UN79235	Rsa1.0.02757.1	372	28187	8.00E-86	179	185	96 +	188	372	27444	27628
UN79236	Rsa1.0.07344.1	654	9528	0	453	466	97 +	1	465	4822	5287
UN79237	Rsa1.0.03781.1	584	20891	0	391	412	94 +	173	584	11400	11811
UN79238	Rsa1.0.01860.1	683	38057	1.00E-136	267	274	97 -	404	677	26806	27079
UN79239	Rsa1.0.00533.1	767	77375	1.00E-112	263	281	93 +	2	282	63800	64078
UN79240	Rsa1.0.00029.1	514	272992	1.00E-126	307	330	93 -	188	514	249681	250007
UN79241	Rsa1.0.00396.1	331	88242	1.00E-103	196	198	98 +	58	255	9529	9726
UN79242	Rsa1.0.19050.1	532	1488	1.00E-94	206	216	95 +	305	520	255	470
UN79243	Rsa1.0.02422.1	205	161122	3.00E-93	198	205	96 +	2	205	27330	27534
UN79244	Rsa1.0.00711.1	423	67223	1.00E-44	107	112	95 -	312	423	11412	11523
UN79245	Rsa1.0.01076.1	630	54835	1.00E-144	269	272	98 +	1	272	44200	44471
UN79246	Rsa1.0.02345.1	546	32337	0	518	547	94 +	1	546	21139	21676

UN79247	Rsa1.0_12949.1	719	5067	0	459	479	95 -	3	480	4589	5064
UN79248	Rsa1.0_01543.1	715	43645	1.00E-100	253	273	92 +	426	697	14105	14375
UN79249	Rsa1.0_00487.1	597	80674	0	578	599	96 +	3	597	2922	3518
UN79250	Rsa1.0_00939.1	681	185227	2.00E-91	186	191	97 -	491	681	22073	22263
UN79251	Rsa1.0_01986.1	755	36489	1.00E-173	425	468	90 +	32	496	20617	21060
UN79252	Rsa1.0_00565.1	628	75420	0	571	576	99 -	4	579	67086	67661
UN79253	Rsa1.0_00301.1	654	365315	0	620	655	94 -	2	653	198902	199556
UN79254	Rsa1.0_00668.1	514	69421	1.00E-103	378	436	86 +	90	514	53479	53909
UN79255	Rsa1.0_02421.1	704	31579	1.00E-73	298	347	85 -	349	695	29564	29900
UN79256	Rsa1.0_00476.1	714	280966	0	607	628	96 -	3	626	214536	215163
UN79257	Rsa1.0_01214.1	570	50599	1.00E-140	345	374	92 -	5	364	46274	46646
UN79258	Rsa1.0_05256.1	486	14350	1.00E-118	245	255	96 +	212	466	7102	7356
UN79259	Rsa1.0_02826.1	791	27560	0	698	721	96 +	2	716	14403	15116
UN79260	Rsa1.0_02178.1	516	156197	0	491	517	94 +	7	516	19487	19994
UN79261	Rsa1.0_00929.1	566	137796	1.00E-121	238	243	97 -	2	244	99706	99946
UN79262	Rsa1.0_01302.1	650	48907	0	387	405	95 +	246	650	1159	1560
UN79263	Rsa1.0_01883.1	753	37661	0	447	481	92 -	229	705	35790	36270
UN79264	Rsa1.0_00509.1	751	78829	1.00E-143	387	422	91 +	27	437	76454	76870
UN79265	Rsa1.0_03434.1	720	22960	0	675	730	92 +	1	720	12818	13530
UN79266	Rsa1.0_00166.1	185	240912	9.00E-38	168	196	85 +	1	185	153131	153326
UN79267	#	#	#	#	#	#	#	#	#	#	#
UN79268	Rsa1.0_00176.1	307	240984	1.00E-120	282	300	94 -	9	303	232661	232960
UN79269	Rsa1.0_06222.1	312	11452	1.00E-142	300	314	95 -	1	312	2187	2500
UN79270	Rsa1.0_01035.1	250	56019	8.00E-76	212	230	92 +	1	228	48217	48442
UN79271	Rsa1.0_00155.1	695	118465	0	681	695	97 -	1	695	89809	90503
UN79272	Rsa1.0_00133.1	484	123768	1.00E-106	245	260	94 -	1	259	29742	30001
UN79273	Rsa1.0_00237.1	566	235974	1.00E-167	361	377	95 +	1	374	58365	58740
UN79274	Rsa1.0_00070.1	350	150321	1.00E-170	341	350	97 -	3	350	68084	68432
UN79275	Rsa1.0_00017.1	305	752458	1.00E-126	261	270	96 +	1	267	604983	605251
UN79276	Rsa1.0_06336.1	154	11215	1.00E-64	148	155	95 -	1	152	7283	7437
UN79277	Rsa1.0_06819.1	612	10302	0	413	424	97 -	189	612	1677	2100
UN79278	Rsa1.0_00005.1	302	353093	5.00E-65	246	283	86 +	19	298	138056	138330
UN79279	Rsa1.0_07130.1	633	9861	1.00E-149	394	436	90 +	36	468	155	578
UN79280	Rsa1.0_00007.1	382	239325	1.00E-145	302	316	95 -	1	316	118578	118893
UN79281	Rsa1.0_00008.1	392	358124	5.00E-84	223	244	91 -	148	388	29219	29462
UN79282	Rsa1.0_11795.1	758	5406	1.00E-95	229	246	93 -	250	495	5051	5296
UN79283	Rsa1.0_00833.1	509	62621	0	496	510	97 -	1	509	38190	38699
UN79284	Rsa1.0_00032.1	114	306326	4.00E-29	104	115	90 -	1	114	279186	279297
UN79285	Rsa1.0_00104.1	637	368722	3.00E-65	189	211	89 -	160	361	14485	14695

UN79286	Rsa1.0_03718.1	498	21195	1.00E-122	267	282	94 +	211	492	654	935
UN79287	#	#	#	#	#	#	#	#	#	#	#
UN79288	Rsa1.0_10606.1	762	5787	0	741	779	95 +	1	762	2165	2939
UN79289	Rsa1.0_00485.1	524	80937	1.00E-76	226	249	90 +	34	279	15212	15459
UN79290	Rsa1.0_01105.1	119	53958	9.00E-46	112	117	95 +	3	119	27484	27599
UN79291	Rsa1.0_03164.1	111	24887	3.00E-45	107	111	96 -	1	111	11855	11963
UN79292	Rsa1.0_04504.1	671	17069	0	386	393	98 +	279	671	7932	8324
UN79293	Rsa1.0_00152.1	439	257730	1.00E-88	229	247	92 +	1	245	98770	99012
UN79294	Rsa1.0_00017.1	624	752458	3.00E-80	286	324	88 -	308	624	297276	297586
UN79295	Rsa1.0_01377.1	473	46967	4.00E-82	182	191	95 -	88	278	14175	14365
UN79296	Rsa1.0_01191.1	429	51235	3.00E-70	157	163	96 -	29	191	23358	23519
UN79297	Rsa1.0_00041.1	537	186197	1.00E-107	293	325	90 +	2	326	38315	38639
UN79298	Rsa1.0_09859.1	560	6115	2.33E-156	342	367	93 +	123	488	5753	6115
UN79299	Rsa1.0_03634.1	452	145192	2.33E-156	317	335	94 -	3	337	584	918
UN79300	Rsa1.0_02335.1	754	32400	0	408	413	98 -	101	513	22324	22736
UN79301	Rsa1.0_00136.1	622	122464	6.00E-91	312	356	87 -	276	622	81415	81754
UN79302	Rsa1.0_00789.1	792	64233	1.00E-141	308	323	95 +	3	320	21834	22154
UN79303	Rsa1.0_05647.1	610	13055	1.00E-85	220	238	92 +	386	609	12422	12658
UN79304	Rsa1.0_02241.1	329	33520	2.00E-46	141	155	90 -	104	257	919	1073
UN79305	Rsa1.0_02874.1	254	27070	6.00E-55	156	171	91 +	1	168	1720	1890
UN79306	Rsa1.0_00637.1	630	71038	8.00E-72	152	156	97 -	339	491	25495	25650
UN79307	Rsa1.0_00614.1	255	72276	3.00E-81	168	173	97 -	83	255	27761	27933
UN79308	Rsa1.0_01359.1	637	47271	0	373	381	97 -	257	637	32457	32836
UN79309	Rsa1.0_00899.1	806	60404	3.00E-59	123	125	98 -	536	660	13539	13663
UN79310	Rsa1.0_00305.1	697	97308	1.00E-128	254	261	97 -	239	499	39688	39948
UN79311	Rsa1.0_01126.1	789	53127	0	511	542	94 +	161	691	35534	36075
UN79312	Rsa1.0_00231.1	510	105381	0	425	439	96 -	30	468	28173	28608
UN79313	Rsa1.0_02622.1	450	142402	1.00E-166	330	339	97 +	3	340	6672	7008
UN79314	Rsa1.0_16480.1	358	2141	1.00E-173	346	357	96 -	2	358	1392	1744
UN79315	Rsa1.0_03733.1	660	21108	2.00E-63	177	193	91 +	472	655	723	914
UN79316	Rsa1.0_69352.1	684	330	9.00E-78	154	156	98 -	375	530	175	330
UN79317	Rsa1.0_00784.1	692	64359	1.00E-173	453	493	91 +	226	692	30357	30845
UN79318	Rsa1.0_02726.1	747	28404	0	411	443	92 +	1	443	21468	21891
UN79319	Rsa1.0_00168.1	734	115870	0	389	405	96 +	300	701	39841	40242
UN79320	Rsa1.0_00105.1	681	134138	1.00E-114	266	283	93 -	403	681	86453	86735
UN79321	Rsa1.0_01924.1	781	37226	1.00E-143	270	274	98 +	262	535	15462	15735
UN79322	Rsa1.0_02105.1	750	156953	0	350	359	97 -	262	620	149700	150058
UN79323	Rsa1.0_08937.1	661	6769	0	590	661	89 -	4	661	5627	6287
UN79324	Rsa1.0_06868.1	615	10234	0	598	615	97 -	3	615	3862	4476

UN79325	Rsa1.0.36974.1	782	610	0	564	592	95 -	133	710	22	610
UN79326	Rsa1.0.00029.1	638	272992	0	382	400	95 +	185	584	247799	248198
UN79327	Rsa1.0.03162.1	642	24895	0	401	402	99 +	207	608	4499	4900
UN79328	Rsa1.0.01549.1	500	43543	0	484	503	96 +	2	500	41758	42260
UN79329	Rsa1.0.00351.1	368	413096	1.00E-106	208	212	98 +	2	213	1779	1990
UN79330	Rsa1.0.01316.1	671	48325	0	644	667	96 +	2	665	40159	40820
UN79331	Rsa1.0.01139.1	197	52601	5.00E-58	169	186	90 -	9	193	1458	1643
UN79332	Rsa1.0.00067.1	674	415055	0	614	660	93 -	24	674	175509	176159
UN79333	Rsa1.0.01960.1	673	36766	0	465	473	98 +	39	509	4125	4597
UN79334	Rsa1.0.00099.1	715	159619	0	573	649	88 +	3	610	28236	28879
UN79335	Rsa1.0.16494.1	325	2134	2.00E-80	181	188	96 -	138	325	1753	1938
UN79336	Rsa1.0.00620.1	527	71985	0	497	527	94 +	3	527	49747	50272
UN79337	Rsa1.0.00533.1	608	77375	0	589	606	97 +	3	607	728	1333
UN79338	Rsa1.0.02888.1	703	27020	1.00E-140	275	280	98 -	424	701	4184	4463
UN79339	Rsa1.0.01113.1	465	53616	1.00E-118	262	277	94 +	15	291	2898	3171
UN79340	Rsa1.0.03028.1	758	25872	3.00E-65	141	145	97 -	178	319	21997	22141
UN79341	Rsa1.0.00635.1	634	175826	1.00E-115	231	238	97 -	265	502	14504	14741
UN79342	Rsa1.0.03786.1	754	20879	0	725	758	95 +	2	754	14112	14868
UN79343	Rsa1.0.00526.1	750	169279	1.00E-134	337	364	92 -	400	750	111210	111570
UN79344	Rsa1.0.00006.1	395	396176	1.00E-168	335	346	96 +	2	347	210463	210805
UN79345	Rsa1.0.00558.1	384	75819	1.00E-124	346	388	89 -	4	366	10340	10726
UN79346	Rsa1.0.08430.1	754	7367	0	357	365	97 +	60	424	624	988
UN79347	Rsa1.0.01382.1	675	46877	1.00E-128	276	289	95 -	388	675	16797	17085
UN79348	Rsa1.0.00383.1	315	398431	1.00E-124	301	324	92 +	1	315	25094	25413
UN79349	Rsa1.0.00954.1	756	189536	1.00E-102	213	221	96 +	7	227	3112	3332
UN79350	Rsa1.0.05523.1	289	13438	5.00E-31	119	135	88 -	3	137	10491	10612
UN79351	Rsa1.0.01720.1	734	40358	1.00E-143	293	303	96 -	4	306	35191	35489
UN79352	Rsa1.0.70078.1	799	327	1.00E-149	274	276	99 -	98	373	1	276
UN79353	Rsa1.0.01730.1	619	40223	1.00E-148	299	310	96 +	310	619	35176	35485
UN79354	Rsa1.0.01881.1	612	37721	1.00E-143	320	337	94 -	281	612	22780	23113
UN79355	Rsa1.0.00060.1	704	502678	1.00E-150	330	348	94 +	355	701	489773	490117
UN79356	Rsa1.0.01245.1	788	149868	1.00E-71	141	142	99 +	170	311	17557	17698
UN79357	Rsa1.0.00094.1	627	139042	1.00E-164	367	388	94 -	3	389	129799	130183
UN79358	Rsa1.0.00529.1	754	77487	0	513	557	92 +	3	548	69328	69863
UN79359	Rsa1.0.00381.1	589	89718	0	539	576	93 -	18	587	88422	88997
UN79360	Rsa1.0.03940.1	794	19962	0	406	417	97 +	371	784	11919	12335
UN79361	Rsa1.0.00953.1	537	145012	1.00E-166	349	362	96 -	176	535	127156	127513
UN79362	Rsa1.0.00362.1	515	299497	1.00E-115	222	226	98 +	135	360	253813	254038
UN79363	Rsa1.0.00002.1	400	601661	3.00E-67	148	154	96 -	247	400	29206	29359

UN79364	Rsa1.0.01438.1	797	45882	1.00E-148	299	305	98 +	474	773	12913	13217
UN79365	Rsa1.0.00181.1	767	114269	0	533	549	97 -	133	681	80559	81107
UN79366	Rsa1.0.03263.1	742	24268	0	610	635	96 -	1	635	23319	23953
UN79367	Rsa1.0.00025.1	760	277312	6.00E-39	83	83	100 +	302	384	43600	43682
UN79368	Rsa1.0.04160.1	719	18795	0	654	682	95 +	3	684	7703	8372
UN79369	Rsa1.0.00092.1	679	659932	1.00E-104	345	393	87 +	273	660	502432	502803
UN79370	Rsa1.0.01251.1	111	49873	2.00E-19	99	108	91 +	5	106	4820	4926
UN79371	Rsa1.0.00707.1	669	190112	0	637	662	96 -	1	662	52354	53009
UN79372	Rsa1.0.00886.1	591	167350	2.00E-75	159	164	96 +	195	358	11556	11719
UN79373	Rsa1.0.03820.1	666	20664	7.00E-57	131	137	95 -	159	295	8341	8477
UN79374	Rsa1.0.02859.1	667	162118	3.00E-93	329	381	86 -	76	441	26031	26390
UN79375	Rsa1.0.01244.1	250	50061	1.00E-129	245	249	98 -	2	250	33307	33555
UN79376	Rsa1.0.02057.1	744	35540	2.00E-72	183	194	94 -	555	744	22364	22557
UN79377	Rsa1.0.00220.1	609	192936	1.00E-171	322	327	98 +	2	328	107204	107528
UN79378	Rsa1.0.00006.1	646	396176	1.00E-85	283	318	88 +	338	644	249803	250118
UN79379	Rsa1.0.02356.1	163	141500	2.00E-75	158	163	96 -	1	163	129595	129757
UN79380	Rsa1.0.00205.1	850	193401	1.00E-165	415	454	91 +	304	750	158353	158792
UN79381	Rsa1.0.01737.1	722	40101	1.00E-121	239	245	97 -	5	249	17336	17580
UN79382	Rsa1.0.00531.1	178	77387	9.00E-44	97	98	98 +	3	99	37514	37611
UN79383	Rsa1.0.00015.1	570	561803	1.00E-144	305	318	95 +	227	543	445991	446305
UN79384	Rsa1.0.04291.1	572	18055	8.00E-41	104	110	94 +	181	290	1681	1790
UN79385	Rsa1.0.01945.1	166	36989	4.00E-58	132	138	95 +	9	146	7738	7875
UN79386	Rsa1.0.00826.1	758	166736	1.00E-120	244	251	97 -	488	737	153678	153928
UN79387	Rsa1.0.00166.1	531	240912	0	484	503	96 -	29	531	153851	154346
UN79388	Rsa1.0.00748.1	559	65983	0	533	571	93 +	2	559	33452	34020
UN79389	Rsa1.0.01824.1	755	38733	1.00E-107	222	230	96 -	205	434	8413	8642
UN79390	Rsa1.0.01537.1	773	187285	0	474	511	92 +	3	505	14812	15313
UN79391	Rsa1.0.04520.1	479	16995	2.00E-90	240	258	93 +	192	443	11580	11835
UN79392	Rsa1.0.00064.1	746	240927	1.00E-131	284	295	96 +	453	746	30039	30328
UN79393	Rsa1.0.01238.1	645	50120	1.00E-125	326	359	90 +	8	366	24157	24515
UN79394	Rsa1.0.01651.1	732	41586	1.00E-129	273	286	95 -	1	286	30453	30738
UN79395	Rsa1.0.00608.1	692	172672	0	460	476	96 -	210	685	166900	167375
UN79396	Rsa1.0.11048.1	757	5634	4.00E-71	209	231	90 +	271	498	237	466
UN79397	Rsa1.0.00070.1	447	150321	0	430	447	96 +	1	447	67306	67752
UN79398	Rsa1.0.01571.1	754	43000	1.00E-115	240	247	97 +	510	754	5417	5663
UN79399	Rsa1.0.03986.1	732	19703	0	403	405	99 -	330	732	6251	6655
UN79400	Rsa1.0.06819.1	565	10302	0	549	561	97 +	2	562	785	1345
UN79401	Rsa1.0.00243.1	613	103651	0	546	581	93 -	51	613	77872	78446
UN79402	Rsa1.0.04697.1	757	16336	3.00E-96	191	195	97 +	1	195	11767	11961

UN79403	Rsa1.0.00153.1	821	192931	0	348	353	98 +	339	689	190082	190433
UN79404	Rsa1.0.00067.1	505	415055	1.00E-140	276	284	97 -	3	286	244191	244474
UN79405	Rsa1.0.00051.1	783	258225	1.00E-106	217	224	96 -	153	376	57865	58088
UN79406	Rsa1.0_51850.1	612	438	1.00E-79	178	186	95 +	23	206	84	269
UN79407	Rsa1.0_00136.1	724	122464	1.00E-134	258	263	98 -	12	274	62177	62439
UN79408	Rsa1.0_00416.1	594	86772	1.00E-106	236	248	95 +	350	594	43593	43837
UN79409	Rsa1.0.08250.1	657	7658	0	594	622	95 +	3	618	2502	3120
UN79410	Rsa1.0.00101.1	614	267193	1.00E-129	312	341	91 +	3	343	2802	3123
UN79411	Rsa1.0.01417.1	672	46252	2.33E-156	268	270	99 +	3	272	38508	38777
UN79412	Rsa1.0.01301.1	453	169072	0	391	402	97 -	48	446	20062	20463
UN79413	Rsa1.0.00612.1	701	72376	1.00E-112	220	225	97 -	402	626	65151	65375
UN79414	Rsa1.0.00711.1	602	67223	1.00E-118	287	311	92 +	51	355	10501	10811
UN79415	Rsa1.0.01076.1	641	54835	1.00E-156	314	324	96 -	319	641	45143	45466
UN79416	Rsa1.0.00095.1	612	283384	0	395	401	98 -	212	612	21634	22034
UN79417	Rsa1.0.33827.1	520	670	0	436	454	96 -	41	488	217	670
UN79418	Rsa1.0.00487.1	581	80674	0	349	357	97 -	9	365	5689	6045
UN79419	Rsa1.0.00034.1	164	260119	2.00E-44	115	121	95 +	3	120	87765	87884
UN79420	Rsa1.0.23642.1	650	1035	0	525	541	97 +	83	623	15	553
UN79421	Rsa1.0.02966.1	599	135126	0	450	463	97 +	3	465	17388	17844
UN79422	Rsa1.0.03195.1	322	24673	8.00E-98	219	231	94 +	1	223	6584	6814
UN79423	Rsa1.0.01166.1	586	51877	1.00E-132	246	248	99 -	2	249	11365	11612
UN79424	Rsa1.0.00930.1	745	59224	6.00E-79	160	162	98 -	2	162	41001	41162
UN79425	Rsa1.0_01027.1	669	56402	0	663	668	99 -	3	669	627	1294
UN79426	Rsa1.0.06009.1	722	11950	0	471	497	94 -	211	707	8830	9326
UN79427	Rsa1.0.04600.1	591	16694	2.00E-94	224	239	93 -	350	584	12656	12891
UN79428	Rsa1.0.00046.1	628	320315	1.00E-124	305	330	92 +	3	332	124646	124974
UN79429	Rsa1.0.00032.1	645	306326	0	617	646	95 -	3	645	192477	193121
UN79430	Rsa1.0.00253.1	594	231292	1.00E-73	153	157	97 -	229	385	212149	212305
UN79431	Rsa1.0.00273.1	656	326186	2.00E-94	217	232	93 -	242	473	10008	10230
UN79432	Rsa1.0.08309.1	625	7565	0	550	579	94 +	1	579	5469	6039
UN79433	Rsa1.0.00930.1	629	59224	1.00E-166	333	345	96 -	285	629	41462	41806
UN79434	Rsa1.0.00340.1	650	305782	0	405	419	96 -	235	650	32532	32950
UN79435	Rsa1.0.03073.1	552	25574	0	534	552	96 +	2	552	13972	14523
UN79436	Rsa1.0.00752.1	306	65756	1.00E-109	275	297	92 +	6	299	12984	13277
UN79437	Rsa1.0.69040.1	344	332	2.00E-64	134	137	97 -	173	309	4	140
UN79438	Rsa1.0.02681.1	727	28711	1.00E-64	194	215	90 +	3	215	19490	19701
UN79439	Rsa1.0.01610.1	687	42274	0	427	450	94 +	241	687	10602	11045
UN79440	Rsa1.0.01072.1	757	55068	1.00E-125	250	255	98 -	485	737	43401	43655
UN79441	Rsa1.0_00341.1	784	249309	2.00E-35	83	85	97 -	250	334	224896	224980

UN79442	Rsa1.0.00387.1	578	495407	1.00E-79	160	163	98 +	411	573	396754	396916
UN79443	Rsa1.0.00427.1	503	189678	1.00E-112	242	253	95 -	258	503	11907	12159
UN79444	Rsa1.0.00312.1	760	96765	1.00E-70	142	144	98 -	394	537	89466	89609
UN79445	Rsa1.0.00019.1	688	301669	1.00E-117	261	276	94 -	402	677	238714	238986
UN79446	Rsa1.0.01028.1	360	56401	1.00E-166	346	362	95 +	2	360	47694	48050
UN79447	Rsa1.0.00190.1	558	318240	1.00E-144	280	287	97 +	44	330	28703	28989
UN79448	Rsa1.0.36127.1	798	625	9.00E-63	137	141	97 +	369	509	210	347
UN79449	Rsa1.0.09385.1	679	6405	1.00E-139	311	327	95 +	10	332	881	1203
UN79450	Rsa1.0.00198.1	722	222963	8.00E-97	200	206	97 -	3	208	42326	42528
UN79451	Rsa1.0.00382.1	680	251946	0	457	490	93 -	3	486	173998	174475
UN79452	Rsa1.0.00681.1	782	68779	1.00E-143	334	356	93 +	19	370	55502	55852
UN79453	Rsa1.0.01783.1	727	39383	1.00E-110	218	223	97 -	3	225	11472	11694
UN79454	Rsa1.0.01893.1	503	37520	2.00E-90	237	255	92 -	4	255	7294	7545
UN79455	Rsa1.0.00439.1	805	142776	1.00E-167	319	326	97 +	319	644	63131	63456
UN79456	Rsa1.0.00863.1	613	254535	0	506	544	93 +	82	613	109804	110345
UN79457	Rsa1.0.02514.1	769	30642	0	711	758	93 -	2	752	20084	20838
UN79458	Rsa1.0.27220.1	680	861	1.00E-160	407	447	91 +	12	445	1	436
UN79459	Rsa1.0.09321.1	691	6456	1.00E-135	307	324	94 -	379	691	891	1212
UN79460	Rsa1.0.00273.1	316	326186	1.00E-129	276	288	95 -	30	316	239456	239740
UN79461	Rsa1.0.00019.1	827	301669	1.00E-86	181	187	96 +	116	302	181313	181499
UN79462	Rsa1.0.00324.1	587	218805	1.00E-117	243	249	97 +	341	587	14281	14527
UN79463	Rsa1.0.00064.1	663	240927	1.00E-135	244	244	100 +	31	274	28829	29072
UN79464	Rsa1.0.01924.1	708	37226	8.00E-97	198	204	97 +	505	708	22415	22618
UN79465	Rsa1.0.00978.1	573	57739	1.00E-112	230	238	96 +	336	573	14018	14255
UN79466	Rsa1.0.00487.1	708	80674	0	694	701	99 -	3	701	62109	62809
UN79467	Rsa1.0.08415.1	501	7398	1.00E-141	304	316	96 +	5	319	266	576
UN79468	Rsa1.0.21970.1	564	1159	4.00E-64	128	129	99 -	263	391	137	265
UN79469	Rsa1.0.01115.1	690	183545	1.00E-171	357	374	95 +	3	372	174027	174400
UN79470	Rsa1.0.02784.1	245	27881	4.00E-71	172	182	94 -	4	185	5133	5310
UN79471	Rsa1.0.01685.1	608	175033	0	580	610	95 +	3	608	31903	32511
UN79472	Rsa1.0.00079.1	524	606987	3.00E-58	136	143	95 -	3	145	465527	465669
UN79473	Rsa1.0.00328.1	662	224661	0	467	482	96 +	181	662	207122	207603
UN79474	Rsa1.0.03546.1	694	22172	1.00E-123	252	260	96 +	436	694	14336	14595
UN79475	Rsa1.0.01195.1	682	147988	0	651	703	92 -	2	682	9220	9910
UN79476	Rsa1.0.01904.1	537	37450	0	393	410	95 -	104	510	4257	4666
UN79477	Rsa1.0.01031.1	412	56236	4.00E-45	236	277	85 -	128	400	42375	42645
UN79478	Rsa1.0.11048.1	575	5634	2.00E-66	187	205	91 +	345	549	263	466
UN79479	Rsa1.0.00331.1	719	176754	1.00E-109	240	248	96 -	202	444	109645	109892
UN79480	Rsa1.0.00602.1	588	73302	2.00E-87	185	192	96 +	238	429	46825	47016

UN79481	Rsa1.0.02550.1	673	291051	1.00E-103	209	214	97 -	1	214	21427	21639
UN79482	Rsa1.0.02660.1	680	28969	0	661	679	97 +	2	680	17390	18068
UN79483	Rsa1.0.00016.1	416	831256	5.00E-63	123	123	100 +	95	217	662306	662428
UN79484	Rsa1.0.00287.1	610	98687	0	596	611	97 -	2	610	85418	86025
UN79485	Rsa1.0.00909.1	426	59976	1.00E-150	310	323	95 +	5	319	43864	44186
UN79486	Rsa1.0.30032.1	704	765	5.00E-61	163	177	92 +	93	260	1	177
UN79487	Rsa1.0.02485.1	620	30968	0	406	424	95 -	194	615	27560	27981
UN79488	Rsa1.0.03738.1	565	21071	1.00E-140	282	291	96 +	7	297	19581	19868
UN79489	Rsa1.0.08864.1	667	6845	4.00E-80	209	226	92 -	13	234	408	633
UN79490	Rsa1.0.00589.1	685	209965	1.00E-162	349	365	95 -	324	685	9930	10294
UN79491	Rsa1.0.02356.1	726	141500	1.00E-165	415	448	92 +	281	720	4010	4457
UN79492	Rsa1.0.32955.1	754	690	0	584	606	96 -	2	607	1	600
UN79493	Rsa1.0.00717.1	726	67051	1.00E-108	291	317	91 +	5	315	22747	23053
UN79494	Rsa1.0.08849.1	254	6864	2.00E-95	205	211	97 -	3	211	3	210
UN79495	Rsa1.0.04092.1	598	19128	1.00E-101	222	230	96 -	3	229	11028	11256
UN79496	Rsa1.0.09419.1	734	6383	8.00E-97	195	200	97 -	226	425	4592	4791
UN79497	Rsa1.0.00246.1	760	103541	1.00E-171	403	426	94 -	344	760	54249	54673
UN79498	Rsa1.0.03865.1	465	20373	1.00E-125	236	239	98 +	184	422	1944	2182
UN79499	Rsa1.0.09098.1	715	6647	0	666	714	93 +	16	715	5550	6259
UN79500	Rsa1.0.00254.1	780	102600	8.00E-97	183	184	99 -	459	642	77858	78041
UN79501	Rsa1.0.02220.1	740	176031	1.00E-148	279	282	98 -	2	283	345	625
UN79502	Rsa1.0.00825.1	179	62855	1.00E-79	168	174	96 +	2	175	34822	34995
UN79503	Rsa1.0.08619.1	638	7123	6.00E-51	122	126	96 -	516	638	5594	5719
UN79504	Rsa1.0.02812.1	604	27660	1.00E-119	247	257	96 +	348	604	2540	2796
UN79505	Rsa1.0.01363.1	203	47195	3.00E-90	197	204	96 -	2	203	42873	43076
UN79506	Rsa1.0.00632.1	749	183777	1.00E-117	226	230	98 +	386	615	156932	157161
UN79507	Rsa1.0.00300.1	529	97747	1.00E-118	278	296	93 +	2	297	31301	31590
UN79508	Rsa1.0.02479.1	789	31038	4.00E-68	222	251	88 +	182	423	14246	14493
UN79509	Rsa1.0.00817.1	604	62961	0	517	540	95 -	2	541	23405	23942
UN79510	Rsa1.0.00017.1	566	752458	1.00E-179	509	570	89 +	9	565	743103	743648
UN79511	Rsa1.0.02551.1	711	30196	1.00E-159	332	343	96 -	3	345	27817	28154
UN79512	Rsa1.0.00329.1	753	222544	4.00E-77	219	236	92 -	525	751	32883	33118
UN79513	Rsa1.0.00128.1	773	228675	0	480	488	98 -	2	489	159174	159661
UN79514	Rsa1.0.02608.1	777	29613	0	363	376	96 -	3	378	4361	4736
UN79515	Rsa1.0.00762.1	264	165246	3.00E-75	163	169	96 +	3	171	46783	46948
UN79516	Rsa1.0.00491.1	611	80219	1.00E-128	250	256	97 +	105	360	33332	33587
UN79517	Rsa1.0.03162.1	747	24895	5.00E-98	185	186	99 +	310	495	19385	19570
UN79518	Rsa1.0.01552.1	596	43396	0	388	400	97 +	2	401	15649	16048
UN79519	Rsa1.0.03574.1	433	22004	1.00E-148	286	292	97 -	142	433	17890	18178

UN79520	Rsa1.0.06488.1	677	141774	2.33E-156	336	358	93 -	6	354	446	799
UN79521	Rsa1.0.00507.1	776	79074	1.00E-118	222	224	99 +	105	328	3306	3529
UN79522	Rsa1.0.08429.1	778	7370	2.00E-57	117	118	99 -	165	282	7070	7187
UN79523	Rsa1.0.04365.1	756	17732	6.00E-73	201	220	91 +	483	701	6700	6919
UN79524	Rsa1.0.00179.1	788	393324	1.00E-148	308	319	96 -	3	321	326969	327281
UN79525	Rsa1.0.14868.1	601	3001	2.00E-50	102	102	100 +	500	601	1	102
UN79526	Rsa1.0.01783.1	417	39383	3.00E-27	81	87	93 -	57	143	20357	20443
UN79527	Rsa1.0.00117.1	796	213118	9.00E-66	208	234	88 +	317	541	54139	54363
UN79528	Rsa1.0.00636.1	384	71113	1.00E-166	362	383	94 +	2	384	11361	11741
UN79529	Rsa1.0.02831.1	572	27533	1.00E-135	278	288	96 -	285	571	17766	18053
UN79530	Rsa1.0.04370.1	584	17701	0	390	400	97 -	17	416	8593	8992
UN79531	Rsa1.0.02962.1	641	26419	0	552	603	91 +	48	640	15753	16352
UN79532	Rsa1.0.00201.1	549	232851	0	398	419	94 -	135	549	476	894
UN79533	Rsa1.0.00013.1	484	292129	3.00E-89	268	304	88 +	47	344	279770	280052
UN79534	Rsa1.0.00896.1	502	60509	0	477	504	94 +	2	494	17669	18172
UN79535	Rsa1.0.00016.1	625	831256	1.00E-126	320	344	93 +	282	618	260581	260919
UN79536	Rsa1.0.00978.1	564	57739	1.00E-107	228	238	95 +	327	564	14018	14255
UN79537	Rsa1.0.00048.1	769	167185	0	722	757	95 +	3	755	102603	103358
UN79538	Rsa1.0.01338.1	525	155644	1.00E-173	326	332	98 -	66	397	123367	123698
UN79539	Rsa1.0.00580.1	627	74515	2.00E-97	220	233	94 -	229	461	34358	34590
UN79540	Rsa1.0.01675.1	465	41155	1.00E-143	349	374	93 -	3	373	844	1206
UN79541	Rsa1.0.00294.1	451	144860	5.00E-63	132	135	97 +	215	349	28240	28374
UN79542	Rsa1.0.19050.1	761	1488	1.00E-101	209	216	96 +	333	548	255	470
UN79543	Rsa1.0.01666.1	781	173972	1.00E-132	289	304	95 +	447	749	3477	3780
UN79544	Rsa1.0.04630.1	797	16595	0	545	564	96 +	238	797	12551	13114
UN79545	Rsa1.0.05453.1	197	13696	4.00E-71	145	148	97 -	50	197	13067	13214
UN79546	Rsa1.0.00116.1	531	365886	0	429	452	94 -	43	491	326469	326920
UN79547	Rsa1.0.05217.1	761	142938	1.00E-178	370	386	95 +	20	402	136379	136763
UN79548	Rsa1.0.03074.1	594	25568	1.00E-108	250	267	93 -	6	272	21332	21598
UN79549	Rsa1.0.00066.1	765	152418	0	382	396	96 +	361	754	112082	112477
UN79550	Rsa1.0.06213.1	297	11478	1.00E-113	282	300	94 -	4	297	1707	2004
UN79551	Rsa1.0.02515.1	595	30616	8.00E-81	165	169	97 +	161	329	1184	1352
UN79552	Rsa1.0.00715.1	630	67116	1.00E-149	463	528	87 -	35	559	20292	20813
UN79553	Rsa1.0.00104.1	823	368722	5.00E-92	172	172	100 -	81	252	336166	336337
UN79554	Rsa1.0.01886.1	569	155422	0	381	386	98 +	3	388	30198	30583
UN79555	Rsa1.0.00571.1	595	329018	1.00E-124	244	250	97 +	10	259	158850	159099
UN79556	Rsa1.0.02796.1	311	27805	2.00E-12	78	90	86 +	191	280	19559	19647
UN79557	Rsa1.0.04450.1	801	17297	0	530	556	95 +	238	787	11966	12518
UN79558	Rsa1.0.00837.1	584	62568	1.00E-175	330	336	98 -	172	507	47728	48063

UN79559	Rsa1.0_00040.1	605	324196	0	487	514	94 -	3	510	175165	175670
UN79560	Rsa1.0_02244.1	676	33494	1.00E-157	325	336	96 -	336	668	10292	10626
UN79561	Rsa1.0_00153.1	699	192931	0	486	508	95 -	195	699	171974	172473
UN79562	Rsa1.0_00221.1	543	106972	8.00E-87	166	167	99 +	64	230	47387	47553
UN79563	Rsa1.0_07521.1	707	9206	0	491	521	94 -	47	564	7907	8411
UN79564	Rsa1.0_00061.1	436	218685	4.00E-94	283	320	88 +	117	435	82682	82979
UN79565	Rsa1.0_00192.1	605	278200	0	338	338	100 -	268	605	26727	27064
UN79566	Rsa1.0_00153.1	771	192931	1.00E-125	290	310	93 +	9	315	163275	163584
UN79567	Rsa1.0_00087.1	732	761073	1.00E-89	184	188	97 -	86	272	294730	294917
UN79568	Rsa1.0_02604.1	691	29638	1.00E-134	264	271	97 -	217	487	26678	26948
UN79569	Rsa1.0_08925.1	286	6784	1.00E-136	276	286	96 -	1	286	490	775
UN79570	Rsa1.0_00127.1	673	127446	1.00E-175	372	387	96 -	290	672	110335	110716
UN79571	Rsa1.0_00178.1	329	114861	1.00E-78	180	189	95 +	138	326	12280	12467
UN79572	Rsa1.0_01356.1	690	47287	0	668	679	98 +	16	690	8053	8731
UN79573	Rsa1.0_00194.1	680	110851	1.00E-103	233	247	94 -	434	680	97022	97268
UN79574	Rsa1.0_00163.1	644	116847	0	608	647	93 -	1	639	74058	74692
UN79575	Rsa1.0_00166.1	749	240912	0	713	726	98 -	1	721	191323	192048
UN79576	Rsa1.0_00881.1	565	61260	1.00E-91	255	282	90 -	284	562	21292	21564
UN79577	Rsa1.0_01900.1	743	37473	1.00E-142	315	330	95 -	410	735	27348	27670
UN79578	Rsa1.0_01510.1	694	44237	1.00E-115	234	242	96 +	252	493	26276	26517
UN79579	Rsa1.0_00744.1	520	66084	0	426	442	96 -	1	442	59940	60381
UN79580	Rsa1.0_02500.1	522	30768	1.00E-166	323	332	97 -	1	332	11477	11808
UN79581	Rsa1.0_04783.1	418	15995	9.00E-83	200	213	93 +	207	418	1650	1858
UN79582	Rsa1.0_00939.1	760	185227	0	484	526	92 -	220	742	171546	172059
UN79583	Rsa1.0_21718.1	233	1178	1.00E-74	213	229	93 -	5	233	125	346
UN79584	Rsa1.0_00228.1	597	105511	0	371	375	98 +	191	565	81684	82058
UN79585	Rsa1.0_00030.1	731	250988	1.00E-95	213	224	95 +	350	573	152739	152959
UN79586	Rsa1.0_00216.1	664	197563	2.00E-75	162	168	96 -	178	345	13885	14052
UN79587	Rsa1.0_04201.1	142	18487	9.00E-65	137	141	97 +	2	142	4104	4244
UN79588	Rsa1.0_02951.1	537	26505	0	419	446	93 +	1	440	11374	11818
UN79589	Rsa1.0_02503.1	477	30709	8.00E-65	135	138	97 +	87	224	26114	26251
UN79590	Rsa1.0_11741.1	751	5423	1.00E-92	283	317	89 -	430	745	4781	5096
UN79591	Rsa1.0_03046.1	636	25784	3.00E-40	102	107	95 -	10	116	16811	16914
UN79592	Rsa1.0_15227.1	113	2741	4.00E-23	96	103	93 -	2	100	798	899
UN79593	Rsa1.0_00407.1	677	191544	1.00E-131	253	258	98 -	3	260	25043	25300
UN79594	Rsa1.0_00049.1	629	167018	1.00E-100	241	256	94 -	377	629	79427	79681
UN79595	#	#	#	#	#	#	#	#	#	#	#
UN79596	Rsa1.0_02931.1	677	26654	1.00E-122	250	259	96 +	404	662	3238	3496
UN79597	Rsa1.0_00877.1	816	61305	1.00E-138	285	296	96 -	3	291	19524	19819

UN79598	Rsa1.0_00205.1	698	193401	1.00E-132	313	334	93 -	3	334	86019	86349
UN79599	Rsa1.0_07510.1	574	9230	0	517	522	99 +	53	574	6166	6685
UN79600	Rsa1.0_04935.1	288	15403	1.00E-84	180	187	96 -	2	188	13660	13846
UN79601	Rsa1.0_01008.1	555	56924	1.00E-158	325	336	96 +	6	335	3705	4040
UN79602	Rsa1.0_04282.1	501	18100	1.00E-151	370	401	92 +	66	463	8780	9179
UN79603	Rsa1.0_10640.1	780	5772	1.00E-108	222	227	97 +	502	726	1603	1829
UN79604	Rsa1.0_01035.1	625	56019	2.00E-57	117	118	99 -	264	381	51680	51797
UN79605	Rsa1.0_00155.1	760	118465	0	564	573	98 +	4	576	88679	89249
UN79606	Rsa1.0_02272.1	746	33131	1.00E-108	240	250	96 +	3	250	22187	22434
UN79607	Rsa1.0_00137.1	615	122457	3.00E-74	177	188	94 +	190	377	28416	28600
UN79608	Rsa1.0_64410.1	755	356	1.00E-167	338	350	96 -	338	686	5	354
UN79609	Rsa1.0_01683.1	690	41059	1.00E-123	272	284	95 +	2	279	22043	22323
UN79610	Rsa1.0_00088.1	637	141341	1.00E-130	346	380	91 -	127	496	58508	58885
UN79611	Rsa1.0_09720.1	792	6190	2.00E-94	185	188	98 -	434	621	5444	5631
UN79612	Rsa1.0_16561.1	673	2111	6.00E-76	154	157	98 -	175	331	1092	1248
UN79613	Rsa1.0_01768.1	669	138463	8.00E-72	144	146	98 -	145	290	124510	124655
UN79614	Rsa1.0_00044.1	356	271658	1.00E-106	204	207	98 +	12	218	121725	121931
UN79615	Rsa1.0_02457.1	692	31208	0	662	694	95 -	1	692	4300	4989
UN79616	Rsa1.0_00383.1	129	398431	8.00E-28	98	107	91 -	7	111	154414	154520
UN79617	Rsa1.0_02384.1	350	31917	3.00E-57	282	332	84 +	3	315	11726	12045
UN79618	Rsa1.0_00371.1	198	90463	1.00E-83	191	200	95 -	2	198	50017	50216
UN79619	Rsa1.0_00017.1	696	752458	1.00E-117	240	246	97 -	452	696	684888	685131
UN79620	Rsa1.0_01263.1	682	49703	1.00E-152	367	401	91 +	51	436	530	927
UN79621	Rsa1.0_14003.1	502	3930	1.00E-167	325	334	97 +	152	485	2895	3228
UN79622	Rsa1.0_00694.1	562	68074	5.00E-88	171	173	98 -	203	375	4978	5150
UN79623	Rsa1.0_00299.1	637	97770	0	435	448	97 -	191	637	3090	3537
UN79624	Rsa1.0_00032.1	808	306326	1.00E-114	263	276	95 -	461	730	285126	285401
UN79625	Rsa1.0_00116.1	758	365886	0	600	631	95 +	6	623	323520	324147
UN79626	Rsa1.0_00079.1	720	606987	0	619	680	91 +	1	665	488377	489055
UN79627	Rsa1.0_00198.1	704	222963	1.00E-144	293	303	96 -	7	309	22767	23067
UN79628	Rsa1.0_05713.1	718	12855	1.00E-109	222	229	96 -	152	380	8176	8404
UN79629	Rsa1.0_00092.1	716	659932	3.00E-99	233	248	93 -	404	650	127591	127838
UN79630	Rsa1.0_00048.1	809	167185	1.00E-147	331	344	96 +	473	809	35754	36097
UN79631	Rsa1.0_00354.1	246	232005	4.00E-59	165	177	93 -	70	241	193390	193564
UN79632	Rsa1.0_01679.1	817	146876	1.00E-104	242	258	93 +	27	283	132830	133080
UN79633	Rsa1.0_00913.1	726	59914	1.00E-103	279	311	89 -	165	463	55793	56103
UN79634	Rsa1.0_00425.1	718	147080	1.00E-157	344	362	95 +	359	718	95758	96119
UN79635	Rsa1.0_00597.1	759	73445	0	699	724	96 +	2	720	10524	11247
UN79636	Rsa1.0_11119.1	724	5610	0	529	552	95 +	164	713	4490	5038

UN79637	Rsa1.0_04086.1	818	19166	1.00E-135	260	265	98 -	226	490	17296	17560
UN79638	Rsa1.0_02816.1	771	27649	1.00E-153	334	349	95 -	393	736	5402	5750
UN79639	Rsa1.0_05590.1	591	13242	0	550	575	95 +	1	575	3151	3719
UN79640	Rsa1.0_08919.1	784	6788	3.00E-99	205	212	96 +	174	385	6028	6239
UN79641	Rsa1.0_00632.1	687	183777	1.00E-117	237	243	97 -	86	327	21735	21977
UN79642	Rsa1.0_15225.1	572	2742	0	431	443	97 +	130	572	2245	2686
UN79643	Rsa1.0_00107.1	707	431659	0	517	544	95 +	42	576	313297	313840
UN79644	Rsa1.0_02016.1	815	36003	1.00E-114	227	233	97 +	280	512	33274	33506
UN79645	Rsa1.0_04482.1	750	17175	2.00E-75	151	152	99 -	302	452	10208	10359
UN79646	Rsa1.0_00440.1	733	84723	2.00E-69	181	193	93 -	541	731	25208	25398
UN79647	Rsa1.0_00683.1	747	68638	1.00E-64	153	162	94 -	489	650	9824	9985
UN79648	Rsa1.0_00778.1	688	196751	1.00E-18	98	113	86 +	28	140	139161	139272
UN79649	Rsa1.0_02546.1	425	137227	2.00E-77	223	252	88 -	186	425	132168	132410
UN79650	Rsa1.0_00218.1	790	201480	1.00E-153	293	299	97 +	404	702	179386	179684
UN79651	Rsa1.0_00025.1	595	277312	0	578	599	96 -	2	595	64562	65154
UN79652	Rsa1.0_00079.1	557	606987	1.00E-154	303	312	97 -	2	313	540027	540338
UN79653	Rsa1.0_04405.1	701	17508	1.00E-120	394	447	88 -	262	689	14189	14619
UN79654	Rsa1.0_03916.1	733	20117	0	403	404	99 -	1	404	17349	17752
UN79655	Rsa1.0_00643.1	667	70658	4.00E-43	90	90	100 -	8	97	37701	37790
UN79656	Rsa1.0_45280.1	748	498	2.00E-75	154	156	98 -	557	711	138	293
UN79657	Rsa1.0_01951.1	595	36941	0	460	489	94 -	3	470	4662	5150
UN79658	Rsa1.0_00964.1	796	316648	1.00E-124	235	238	98 -	137	374	267341	267578
UN79659	Rsa1.0_00194.1	541	110851	1.00E-104	242	256	94 +	288	541	56294	56548
UN79660	Rsa1.0_00514.1	505	78421	1.00E-136	450	512	87 -	7	505	64186	64693
UN79661	Rsa1.0_00001.1	122	363028	1.00E-23	79	86	91 +	36	118	39309	39394
UN79662	Rsa1.0_00104.1	628	368722	0	579	626	92 +	3	628	11789	12399
UN79663	Rsa1.0_04193.1	722	18571	0	710	724	98 -	1	722	11413	12136
UN79664	Rsa1.0_00502.1	231	204180	1.00E-108	224	231	96 -	2	231	162578	162808
UN79665	Rsa1.0_10012.1	723	6039	0	663	688	96 -	2	685	5152	5838
UN79666	Rsa1.0_00273.1	726	326186	5.00E-64	137	141	97 -	181	321	161300	161440
UN79667	Rsa1.0_04918.1	421	15441	6.00E-44	100	103	97 +	117	219	13870	13972
UN79668	Rsa1.0_02320.1	814	32575	1.00E-106	256	276	92 +	124	399	22169	22444
UN79669	Rsa1.0_00645.1	782	189716	0	448	463	96 +	322	782	13883	14345
UN79670	Rsa1.0_05019.1	798	15114	1.00E-110	206	207	99 -	507	713	13928	14134
UN79671	Rsa1.0_00055.1	640	520193	1.00E-143	341	366	93 -	279	640	78678	79040
UN79672	Rsa1.0_02168.1	538	34367	1.00E-134	249	251	99 -	3	253	32717	32967
UN79673	Rsa1.0_01495.1	653	44613	6.00E-91	179	182	98 -	2	183	19013	19194
UN79674	Rsa1.0_00543.1	644	76788	0	600	637	94 +	12	638	60625	61254
UN79675	Rsa1.0_00797.1	695	63959	1.00E-113	213	215	99 -	313	527	12998	13212

UN79676	Rsa1.0_04004.1	766	19594	0	465	480	96 +	3	476	8246	8725
UN79677	Rsa1.0_00291.1	706	172129	1.00E-124	229	230	99 -	352	581	48333	48562
UN79678	Rsa1.0_00727.1	697	66724	1.00E-170	359	377	95 +	3	371	4949	5325
UN79679	Rsa1.0_01373.1	616	47052	0	584	609	95 -	8	616	9176	9781
UN79680	Rsa1.0_00773.1	575	64839	0	549	570	96 -	2	571	53338	53907
UN79681	Rsa1.0_20973.1	764	1249	0	688	749	91 -	19	764	501	1249
UN79682	Rsa1.0_00030.1	522	250988	3.00E-83	163	165	98 -	298	462	27754	27918
UN79683	Rsa1.0_00358.1	700	91293	2.33E-156	316	332	95 +	2	327	32211	32539
UN79684	Rsa1.0_01400.1	628	46560	1.00E-163	334	348	95 +	127	474	34843	35180
UN79685	Rsa1.0_00091.1	738	139699	0	652	697	93 -	3	699	85481	86177
UN79686	Rsa1.0_01986.1	754	36489	0	724	762	95 +	2	754	30031	30783
UN79687	Rsa1.0_02906.1	756	26866	8.00E-94	202	210	96 +	235	442	21763	21972
UN79688	Rsa1.0_00383.1	107	398431	1.00E-23	68	71	95 -	13	81	212456	212526
UN79689	Rsa1.0_00114.1	744	131330	1.00E-73	260	298	87 -	16	290	10782	11077
UN79690	Rsa1.0_00065.1	656	454616	0	361	372	97 -	15	383	191624	191995
UN79691	Rsa1.0_00541.1	492	76863	0	451	473	95 +	22	492	13931	14397
UN79692	Rsa1.0_01214.1	722	50599	0	478	495	96 +	7	500	282	773
UN79693	Rsa1.0_02267.1	744	33194	4.00E-71	168	177	94 +	1	176	14455	14631
UN79694	Rsa1.0_02216.1	468	33816	1.00E-123	283	301	94 +	161	457	30306	30600
UN79695	Rsa1.0_00119.1	662	467509	1.00E-138	390	437	89 -	6	419	47686	48115
UN79696	Rsa1.0_01118.1	661	53460	2.00E-88	216	235	91 -	3	225	14781	15015
UN79697	Rsa1.0_21118.1	742	1233	1.00E-158	301	307	98 -	116	422	1	307
UN79698	Rsa1.0_02722.1	792	28417	6.00E-73	164	172	95 +	234	405	15844	16015
UN79699	Rsa1.0_01081.1	640	499226	5.00E-76	161	165	97 +	329	492	321927	322091
UN79700	Rsa1.0_00153.1	524	192931	1.00E-133	247	248	99 +	3	249	29345	29592
UN79701	Rsa1.0_00816.1	759	403350	2.00E-63	136	140	97 +	420	559	3460	3599
UN79702	Rsa1.0_01338.1	789	155644	0	727	776	93 -	3	771	123749	124507
UN79703	Rsa1.0_02814.1	198	27656	3.00E-99	196	199	98 -	1	198	24209	24407
UN79704	Rsa1.0_01713.1	709	40564	2.00E-72	163	169	96 -	3	170	33199	33364
UN79705	Rsa1.0_01198.1	671	51029	0	374	387	96 -	285	671	25800	26181
UN79706	Rsa1.0_00123.1	593	325650	1.00E-145	270	273	98 -	2	274	316363	316635
UN79707	Rsa1.0_00701.1	700	67691	0	464	473	98 -	229	696	7710	8182
UN79708	Rsa1.0_00929.1	738	137796	5.00E-61	123	124	99 +	521	644	98358	98481
UN79709	Rsa1.0_53230.1	769	428	3.00E-90	240	268	89 -	243	492	71	338
UN79710	Rsa1.0_01553.1	776	43379	0	679	703	96 -	47	746	27243	27945
UN79711	Rsa1.0_00424.1	548	86005	1.00E-133	255	260	98 +	9	268	67598	67857
UN79712	Rsa1.0_00732.1	676	66631	0	442	471	93 +	3	466	301	768
UN79713	Rsa1.0_00522.1	777	78103	1.00E-108	234	243	96 +	71	312	57158	57399
UN79714	Rsa1.0_00253.1	683	231292	7.00E-88	174	177	98 -	154	330	130097	130273

UN79715	Rsa1.0_14639.1	625	3198	4.00E-55	136	144	94 -	6	146	2211	2354
UN79716	Rsa1.0_00708.1	428	67366	1.00E-177	387	413	93 +	2	399	63139	63551
UN79717	Rsa1.0_43909.1	614	512	0	389	395	98 +	3	397	80	473
UN79718	Rsa1.0_00497.1	245	79830	1.00E-99	227	240	94 -	1	239	7176	7415
UN79719	Rsa1.0_05758.1	764	12721	0	368	373	98 +	395	764	1062	1434
UN79720	Rsa1.0_00381.1	681	89718	1.00E-49	180	208	86 +	5	192	60635	60842
UN79721	Rsa1.0_01847.1	543	38346	1.00E-161	393	426	92 -	52	470	12249	12657
UN79722	Rsa1.0_03981.1	724	19724	0	592	660	89 -	3	648	15908	16536
UN79723	Rsa1.0_00417.1	719	395068	0	430	459	93 +	204	653	3646	4104
UN79724	Rsa1.0_00085.1	709	142226	0	679	696	97 -	4	699	73232	73926
UN79725	Rsa1.0_03213.1	665	24568	1.00E-61	168	181	92 -	465	638	11565	11745
UN79726	Rsa1.0_32890.1	755	691	1.00E-153	304	313	97 -	3	315	1	311
UN79727	Rsa1.0_00107.1	760	431659	0	495	507	97 +	113	619	145075	145581
UN79728	Rsa1.0_03517.1	776	22337	1.00E-83	196	208	94 -	412	616	15970	16177
UN79729	Rsa1.0_06900.1	566	131268	2.00E-96	223	239	93 -	280	509	130016	130254
UN79730	Rsa1.0_00235.1	778	154696	0	553	568	97 -	75	638	123067	123634
UN79731	Rsa1.0_00277.1	447	100132	1.00E-150	297	305	97 +	46	350	34160	34463
UN79732	Rsa1.0_05748.1	460	12749	0	394	408	96 -	58	460	6545	6951
UN79733	Rsa1.0_02165.1	764	34423	1.00E-174	384	406	94 -	361	764	3231	3636
UN79734	Rsa1.0_08380.1	779	7446	0	370	382	96 -	231	610	2517	2898
UN79735	Rsa1.0_09741.1	747	6177	0	556	573	97 +	8	580	2244	2816
UN79736	Rsa1.0_03736.1	801	21081	6.00E-67	136	138	98 -	327	464	10511	10648
UN79737	Rsa1.0_03639.1	585	21629	0	409	425	96 -	159	575	277	701
UN79738	Rsa1.0_13608.1	773	4645	0	479	493	97 -	289	772	3124	3616
UN79739	Rsa1.0_07959.1	413	8173	1.00E-171	347	359	96 +	1	359	5566	5921
UN79740	Rsa1.0_02651.1	715	29046	0	426	440	96 +	157	596	25063	25502
UN79741	Rsa1.0_15187.1	737	2772	1.00E-152	338	359	94 +	1	359	1668	2013
UN79742	Rsa1.0_03122.1	741	25207	1.00E-150	296	305	97 -	324	628	11322	11626
UN79743	Rsa1.0_00002.1	805	601661	0	409	425	96 +	4	428	238281	238705
UN79744	Rsa1.0_07217.1	609	9703	1.00E-100	205	210	97 +	401	609	4498	4707
UN79745	Rsa1.0_00881.1	785	61260	0	520	541	96 -	141	676	1793	2330
UN79746	Rsa1.0_00012.1	614	222148	4.00E-55	116	118	98 -	105	222	50707	50824
UN79747	Rsa1.0_00402.1	693	385315	0	516	548	94 -	152	693	226106	226653
UN79748	Rsa1.0_00305.1	105	97308	1.00E-32	74	75	98 -	2	76	26354	26428
UN79749	Rsa1.0_00055.1	612	520193	0	546	577	94 +	41	612	388021	388596
UN79750	Rsa1.0_00051.1	604	258225	1.00E-152	324	339	95 +	1	337	30361	30697
UN79751	Rsa1.0_00136.1	680	122464	0	590	616	95 +	77	680	8043	8658
UN79752	Rsa1.0_01717.1	683	143162	2.00E-26	168	202	83 +	25	226	26971	27171
UN79753	Rsa1.0_01014.1	807	56762	0	753	805	93 -	2	786	27927	28722

UN79754	Rsa1.0.01373.1	792	47052	1.00E-150	312	325	96 +	3	327	3590	3913
UN79755	Rsa1.0.00381.1	800	89718	1.00E-153	286	290	98 +	245	534	29091	29380
UN79756	Rsa1.0.01431.1	737	167877	0	505	517	97 +	1	517	20288	20804
UN79757	Rsa1.0.00159.1	729	431686	0	574	597	96 -	114	708	350466	351059
UN79758	Rsa1.0.00014.1	579	348985	1.00E-101	259	282	91 -	276	547	238366	238644
UN79759	Rsa1.0.02591.1	783	29751	7.00E-88	187	193	96 -	532	724	4668	4859
UN79760	Rsa1.0.15332.1	625	2680	0	575	635	90 +	2	625	615	1245
UN79761	Rsa1.0.00010.1	792	294827	0	687	754	91 -	2	735	210912	211649
UN79762	Rsa1.0.03502.1	677	22446	0	493	510	96 -	2	510	17970	18477
UN79763	Rsa1.0.00190.1	724	318240	0	484	495	97 +	231	724	191681	192175
UN79764	Rsa1.0.03845.1	576	20486	1.00E-143	283	290	97 +	287	575	10622	10911
UN79765	Rsa1.0.01039.1	686	55946	0	660	691	95 -	2	686	37386	38064
UN79766	Rsa1.0.02402.1	827	31710	0	435	452	96 -	244	692	25296	25747
UN79767	Rsa1.0.01112.1	788	310601	1.00E-171	567	657	86 -	122	739	49612	50249
UN79768	Rsa1.0.01516.1	794	44196	1.00E-98	186	187	99 -	2	188	37369	37555
UN79769	Rsa1.0.01299.1	529	162028	1.00E-147	280	285	98 +	3	287	42543	42827
UN79770	Rsa1.0.00055.1	708	520193	1.00E-109	230	238	96 +	3	238	103862	104097
UN79771	Rsa1.0.00381.1	465	89718	0	424	452	93 -	14	465	55808	56259
UN79772	Rsa1.0.00112.1	624	132199	1.00E-147	307	318	96 +	307	619	65812	66129
UN79773	Rsa1.0.00472.1	740	398134	0	458	470	97 -	274	740	332826	333295
UN79774	Rsa1.0.30502.1	429	752	1.00E-110	269	289	93 -	83	362	1	285
UN79775	Rsa1.0.03455.1	786	22804	0	760	805	94 +	3	786	1286	2082
UN79776	Rsa1.0.01697.1	691	40837	0	531	553	96 +	139	691	16638	17180
UN79777	Rsa1.0.03314.1	365	23804	1.00E-113	214	215	99 +	152	365	16525	16739
UN79778	Rsa1.0.25085.1	735	952	0	688	708	97 -	24	726	248	952
UN79779	Rsa1.0.00009.1	642	232558	1.00E-82	171	176	97 +	403	578	141800	141975
UN79780	Rsa1.0.00888.1	729	60978	0	463	476	97 +	259	729	19316	19791
UN79781	Rsa1.0.05114.1	777	14804	0	406	429	94 +	3	427	9094	9522
UN79782	Rsa1.0.00153.1	732	192931	0	412	429	96 +	300	724	157109	157537
UN79783	Rsa1.0.03086.1	353	25495	3.00E-42	119	128	92 +	1	127	709	836
UN79784	Rsa1.0.00429.1	702	85559	1.00E-112	233	242	96 -	3	244	18599	18840
UN79785	Rsa1.0.00925.1	712	59481	0	426	444	95 +	199	631	56296	56739
UN79786	Rsa1.0.14734.1	740	3116	0	466	505	92 -	43	526	139	643
UN79787	Rsa1.0.00123.1	721	325650	3.00E-99	249	266	93 -	460	717	216442	216704
UN79788	Rsa1.0.02860.1	493	27207	1.00E-139	313	332	94 +	163	493	12720	13047
UN79789	Rsa1.0.01541.1	262	43682	1.00E-110	254	266	95 -	1	262	1746	2011
UN79790	Rsa1.0.00509.1	770	78829	7.00E-85	172	176	97 -	130	305	45093	45268
UN79791	Rsa1.0.00829.1	424	158305	1.00E-164	377	405	93 +	17	417	123408	123791
UN79792	Rsa1.0.01087.1	710	54508	0	385	386	99 -	325	710	22929	23314

UN79793	Rsa1.0.00697.1	764	67913	1.00E-128	264	273	96 -	3	275	34223	34494
UN79794	Rsa1.0.00087.1	738	761073	0	367	380	96 +	360	738	35915	36294
UN79795	Rsa1.0.00533.1	678	77375	1.00E-141	272	278	97 -	171	448	66092	66369
UN79796	Rsa1.0.02254.1	398	33344	3.00E-61	129	132	97 +	134	265	13458	13589
UN79797	Rsa1.0.23691.1	205	1031	2.00E-23	56	56	100 +	10	65	974	1029
UN79798	Rsa1.0.16562.1	696	2111	0	673	699	96 +	2	696	121	813
UN79799	Rsa1.0.06294.1	647	11291	1.00E-27	143	168	85 +	346	513	1041	1207
UN79800	Rsa1.0.01334.1	766	47904	0	524	548	95 -	3	546	576	1119
UN79801	Rsa1.0.12765.1	578	5133	0	442	456	96 -	5	460	1	456
UN79802	Rsa1.0.02447.1	282	31325	5.00E-65	166	179	92 -	4	178	21164	21342
UN79803	Rsa1.0.00485.1	332	80937	1.00E-132	312	334	93 -	2	332	72276	72600
UN79804	Rsa1.0.00273.1	625	326186	1.00E-109	233	243	95 +	26	268	123709	123949
UN79805	Rsa1.0.03997.1	278	19652	5.00E-99	261	286	91 +	2	278	4506	4788
UN79806	Rsa1.0.01388.1	506	46741	1.00E-104	204	208	98 -	86	293	10242	10449
UN79807	Rsa1.0.00059.1	634	159650	0	599	632	94 -	3	634	26700	27310
UN79808	#	#	#	#	#	#	#	#	#	#	#
UN79809	Rsa1.0.02430.1	717	31506	1.00E-108	220	227	96 +	52	278	11527	11753
UN79810	Rsa1.0.00098.1	673	349239	1.00E-168	315	320	98 -	3	322	115140	115459
UN79811	Rsa1.0.00337.1	693	143174	7.00E-91	203	212	95 -	127	338	141486	141693
UN79812	Rsa1.0.00178.1	327	114861	1.00E-154	315	327	96 +	1	327	100540	100859
UN79813	Rsa1.0.10606.1	683	5787	0	656	682	96 -	1	672	3012	3693
UN79814	Rsa1.0.00130.1	184	125737	4.00E-80	164	167	98 -	19	184	82258	82424
UN79815	Rsa1.0.04504.1	602	17069	0	536	551	97 -	52	602	8909	9452
UN79816	Rsa1.0.00096.1	703	198773	1.00E-150	342	366	93 -	5	360	138020	138385
UN79817	Rsa1.0.00634.1	688	71222	1.00E-157	474	539	87 -	22	534	70502	71034
UN79818	Rsa1.0.00833.1	601	62621	2.00E-69	149	154	96 -	201	354	9523	9676
UN79819	Rsa1.0.00013.1	727	292129	1.00E-110	291	317	91 +	8	312	74142	74450
UN79820	Rsa1.0.02248.1	728	33414	1.00E-134	344	376	91 +	1	367	26036	26406
UN79821	Rsa1.0.00375.1	695	90207	2.00E-72	148	151	98 +	322	472	59480	59630
UN79822	Rsa1.0.01553.1	694	43379	4.00E-89	188	195	96 +	438	632	9345	9539
UN79823	Rsa1.0.00994.1	692	165189	1.00E-163	340	355	95 -	339	692	1456	1810
UN79824	Rsa1.0.24210.1	674	1000	1.00E-160	323	335	96 -	26	360	520	854
UN79825	Rsa1.0.00463.1	691	189177	1.00E-144	296	308	96 +	4	311	114377	114684
UN79826	Rsa1.0.02034.1	751	35823	1.00E-160	330	341	96 -	2	338	11733	12072
UN79827	Rsa1.0.00033.1	604	515811	0	575	603	95 -	2	604	393730	394332
UN79828	Rsa1.0.02893.1	595	26999	1.00E-115	275	290	94 -	311	595	24325	24614
UN79829	Rsa1.0.01090.1	759	54385	0	614	636	96 +	9	644	44296	44931
UN79830	Rsa1.0.00758.1	499	65477	0	480	509	94 -	1	499	36541	37046
UN79831	Rsa1.0.00580.1	295	74515	1.00E-71	236	265	89 +	49	295	29100	29364

UN79832	Rsa1.0.00190.1	709	318240	4.00E-80	173	180	96 -	343	522	213086	213265
UN79833	Rsa1.0.01200.1	608	50895	2.00E-69	161	170	94 -	66	235	11922	12091
UN79834	Rsa1.0.01088.1	641	54416	0	572	577	99 -	3	579	34363	34939
UN79835	Rsa1.0.00589.1	638	209965	1.00E-101	232	247	93 -	228	474	188963	189209
UN79836	Rsa1.0.00825.1	624	62855	0	592	626	94 +	2	624	34618	35234
UN79837	Rsa1.0.02444.1	751	31350	0	475	493	96 +	255	744	3614	4106
UN79838	Rsa1.0.00350.1	689	92346	1.00E-135	298	315	94 -	3	307	65731	66043
UN79839	Rsa1.0.02159.1	765	34471	1.00E-107	279	307	90 -	8	308	32493	32783
UN79840	Rsa1.0.00066.1	745	152418	3.00E-87	179	184	97 -	3	186	143576	143759
UN79841	Rsa1.0.00662.1	686	192183	0	391	400	97 +	4	403	67054	67452
UN79842	Rsa1.0.01388.1	724	46741	1.00E-89	171	172	99 +	374	545	17367	17538
UN79843	Rsa1.0.05771.1	718	12674	7.00E-11	48	52	92 -	183	234	12196	12247
UN79844	Rsa1.0.00008.1	719	358124	0	615	645	95 -	69	709	64619	65257
UN79845	Rsa1.0.00048.1	743	167185	1.00E-178	364	377	96 -	3	373	31363	31739
UN79846	Rsa1.0.21165.1	365	1229	5.00E-75	164	171	95 +	89	259	1	171
UN79847	Rsa1.0.00764.1	710	65056	1.00E-118	283	307	92 +	18	321	19998	20292
UN79848	Rsa1.0.00059.1	574	159650	1.00E-163	436	482	90 +	3	469	121146	121624
UN79849	Rsa1.0.01415.1	681	46263	0	507	523	96 -	2	524	20348	20870
UN79850	Rsa1.0.00045.1	274	328694	1.00E-128	262	272	96 +	3	274	15114	15385
UN79851	Rsa1.0.00031.1	796	179862	1.00E-161	379	411	92 +	6	416	166005	166400
UN79852	Rsa1.0.01696.1	573	301850	0	393	409	96 -	132	540	160836	161239
UN79853	Rsa1.0.00165.1	733	116466	1.00E-116	225	229	98 -	157	385	49721	49949
UN79854	Rsa1.0.17721.1	612	1757	1.00E-121	298	325	91 -	1	322	123	426
UN79855	Rsa1.0.09666.1	709	6225	5.00E-95	183	185	98 +	333	517	4045	4229
UN79856	Rsa1.0.00360.1	423	91190	1.00E-142	294	304	96 -	3	306	78998	79299
UN79857	Rsa1.0.00042.1	378	171507	1.00E-157	324	338	95 +	27	361	3359	3696
UN79858	Rsa1.0.00300.1	682	97747	0	544	572	95 +	98	662	81512	82074
UN79859	Rsa1.0.04019.1	662	19550	1.00E-180	380	398	95 +	259	656	14029	14422
UN79860	Rsa1.0.00772.1	643	64856	1.00E-159	347	364	95 +	1	358	27862	28223
UN79861	Rsa1.0.01656.1	775	41494	1.00E-171	326	332	98 -	1	331	28308	28639
UN79862	Rsa1.0.00657.1	552	69858	8.00E-81	168	173	97 +	380	552	53356	53528
UN79863	Rsa1.0.01523.1	642	43959	7.00E-60	130	134	97 -	303	436	3644	3777
UN79864	Rsa1.0.00053.1	785	263459	0	392	407	96 -	135	541	250289	250695
UN79865	Rsa1.0.01280.1	665	49321	0	472	495	95 +	170	661	37113	37606
UN79866	Rsa1.0.00611.1	205	72410	1.00E-40	91	93	97 -	4	96	41961	42053
UN79867	Rsa1.0.27204.1	368	862	1.00E-112	287	313	91 +	34	345	1	313
UN79868	Rsa1.0.01556.1	745	163858	0	377	386	97 +	98	483	159418	159803
UN79869	Rsa1.0.00271.1	561	101125	1.00E-39	93	96	96 +	3	98	24074	24169
UN79870	Rsa1.0.00492.1	750	80178	4.00E-80	181	188	96 +	531	716	7978	8165

UN79871	Rsa1.0.03624.1	681	21706	6.00E-76	145	145	100 +	487	631	7630	7774
UN79872	Rsa1.0.00826.1	772	166736	1.00E-175	372	391	95 -	317	706	131985	132375
UN79873	Rsa1.0.00006.1	702	396176	0	479	502	95 -	2	500	271218	271719
UN79874	Rsa1.0.00006.1	376	396176	4.00E-94	266	296	89 +	10	301	64536	64831
UN79875	Rsa1.0.00169.1	752	274298	5.00E-55	155	167	92 +	3	165	29009	29173
UN79876	Rsa1.0.00233.1	265	104918	6.00E-89	226	242	93 +	26	265	31459	31699
UN79877	Rsa1.0.00202.1	663	185895	1.00E-162	341	358	95 +	15	372	3766	4123
UN79878	Rsa1.0.02030.1	442	179909	1.00E-105	202	205	98 -	238	442	18731	18935
UN79879	Rsa1.0.38418.1	679	586	7.00E-94	187	191	97 -	241	431	146	336
UN79880	Rsa1.0.00152.1	729	257730	0	677	767	88 -	3	719	76757	77513
UN79881	Rsa1.0.02774.1	796	28038	0	385	388	99 +	331	718	11504	11890
UN79882	Rsa1.0.00273.1	703	326186	1.00E-153	338	359	94 -	3	359	4768	5119
UN79883	Rsa1.0.03057.1	715	25724	1.00E-114	254	264	96 -	6	264	860	1122
UN79884	Rsa1.0.00169.1	766	274298	0	728	763	95 +	9	761	93195	93954
UN79885	Rsa1.0.18990.1	554	1499	0	527	551	95 -	2	548	182	728
UN79886	Rsa1.0.01035.1	488	56019	1.00E-149	440	496	88 -	1	488	44401	44888
UN79887	Rsa1.0.02659.1	637	28971	1.00E-163	316	324	97 -	2	325	26617	26936
UN79888	Rsa1.0.03695.1	689	21329	1.00E-111	247	260	95 +	432	688	7	263
UN79889	Rsa1.0.03407.1	736	23154	0	662	701	94 -	1	697	9574	10266
UN79890	Rsa1.0.01302.1	593	48907	1.00E-171	350	365	95 +	229	593	1161	1525
UN79891	Rsa1.0.01578.1	679	42880	1.00E-119	226	229	98 -	4	232	12934	13162
UN79892	Rsa1.0.00169.1	703	274298	1.00E-116	239	248	96 -	355	602	268750	268997
UN79893	Rsa1.0.00329.1	587	222544	1.00E-33	116	130	89 -	239	368	143962	144091
UN79894	Rsa1.0.00296.1	365	97854	1.00E-104	232	244	95 -	123	365	46794	47037
UN79895	Rsa1.0.23487.1	664	1045	0	545	573	95 +	93	664	278	850
UN79896	Rsa1.0.01139.1	622	52601	0	427	444	96 +	136	579	48424	48864
UN79897	Rsa1.0.00457.1	736	337301	0	711	736	96 -	2	736	330450	331185
UN79898	Rsa1.0.03682.1	655	21396	1.00E-136	315	335	94 +	3	327	7934	8262
UN79899	Rsa1.0.00031.1	742	179862	0	610	667	91 +	86	742	85356	86015
UN79900	Rsa1.0.02313.1	698	32653	1.00E-161	353	372	94 -	328	698	797	1167
UN79901	Rsa1.0.02510.1	677	30662	1.00E-156	319	333	95 +	345	677	17208	17532
UN79902	Rsa1.0.00888.1	608	60978	3.00E-34	91	95	95 -	160	253	38632	38726
UN79903	Rsa1.0.01002.1	749	57063	0	615	624	98 +	2	624	17528	18151
UN79904	Rsa1.0.33945.1	491	667	3.00E-89	227	245	92 -	82	323	424	667
UN79905	Rsa1.0.00127.1	741	127446	0	625	645	96 -	97	741	103012	103656
UN79906	Rsa1.0.00997.1	559	57190	0	524	582	90 +	1	557	56579	57144
UN79907	Rsa1.0.03735.1	521	21087	1.00E-169	363	383	94 +	142	521	3643	4025
UN79908	Rsa1.0.03568.1	745	22048	0	667	700	95 +	49	745	12493	13192
UN79909	Rsa1.0.02304.1	620	32793	0	439	456	96 +	174	620	28804	29259

UN79910	Rsa1.0.01497.1	762	44559	0	492	502	98 -	2	503	9646	10147
UN79911	Rsa1.0.02399.1	719	31763	1.00E-180	362	376	96 +	344	719	12071	12446
UN79912	Rsa1.0.00645.1	742	189716	1.00E-177	386	409	94 +	51	459	33308	33713
UN79913	Rsa1.0.01896.1	435	37512	0	415	434	95 -	2	435	32358	32791
UN79914	Rsa1.0.01612.1	602	42255	0	488	494	98 -	103	595	35355	35848
UN79915	Rsa1.0.00049.1	554	167018	2.00E-59	143	151	94 -	322	469	79531	79681
UN79916	Rsa1.0.01488.1	711	44766	0	510	535	95 -	166	700	7344	7878
UN79917	Rsa1.0.01279.1	552	180330	1.00E-97	187	189	98 +	3	191	23995	24183
UN79918	Rsa1.0.02165.1	766	34423	1.00E-158	312	321	97 +	379	696	12523	12843
UN79919	Rsa1.0.00509.1	732	78829	3.00E-68	147	152	96 -	303	454	44236	44387
UN79920	Rsa1.0.05665.1	280	13003	2.00E-85	203	212	95 +	1	211	11150	11358
UN79921	Rsa1.0.00023.1	738	194764	0	416	436	95 -	307	738	86081	86516
UN79922	Rsa1.0.02516.1	617	30608	0	434	463	93 -	4	466	9147	9605
UN79923	Rsa1.0.00890.1	700	323870	2.00E-60	122	123	99 +	15	137	171364	171486
UN79924	Rsa1.0.03258.1	688	24302	2.00E-88	169	170	99 -	391	560	11405	11574
UN79925	Rsa1.0.02917.1	513	159058	1.00E-149	300	311	96 -	203	513	133617	133927
UN79926	Rsa1.0.00128.1	771	228675	0	750	776	96 -	1	771	155380	156150
UN79927	Rsa1.0.04098.1	255	19078	5.00E-83	239	259	92 -	1	253	11234	11486
UN79928	Rsa1.0.02698.1	663	28593	1.00E-105	215	222	96 +	84	305	9033	9254
UN79929	Rsa1.0.02222.1	648	152798	1.00E-177	336	343	97 +	149	491	2624	2966
UN79930	Rsa1.0.01015.1	761	56752	1.00E-100	210	218	96 +	332	549	2746	2963
UN79931	Rsa1.0.05767.1	652	12701	0	504	518	97 +	135	652	2743	3260
UN79932	Rsa1.0.05130.1	156	14758	2.00E-69	148	153	96 +	2	154	11779	11931
UN79933	Rsa1.0.01854.1	724	38237	1.00E-148	318	332	95 -	303	634	19215	19541
UN79934	Rsa1.0.02124.1	259	34780	1.00E-111	245	259	94 -	1	259	5407	5665
UN79935	Rsa1.0.23355.1	653	1055	1.00E-178	343	351	97 +	300	648	502	852
UN79936	Rsa1.0.01524.1	789	43949	0	659	712	92 +	102	789	7292	7993
UN79937	Rsa1.0.00031.1	540	179862	1.00E-161	316	325	97 +	219	540	145912	146236
UN79938	Rsa1.0.02605.1	733	29637	5.00E-67	154	161	95 +	2	162	5973	6131
UN79939	Rsa1.0.01004.1	624	56975	0	620	624	99 -	3	624	17274	17897
UN79940	Rsa1.0.00894.1	766	269700	3.00E-62	137	142	96 -	158	299	130217	130358
UN79941	Rsa1.0.03418.1	394	147293	2.00E-86	210	226	92 +	1	226	10112	10337
UN79942	Rsa1.0.00216.1	291	197563	1.00E-56	160	175	91 +	11	185	50518	50690
UN79943	Rsa1.0.00626.1	360	71582	1.00E-111	238	248	95 -	1	248	53383	53629
UN79944	Rsa1.0.00191.1	802	316976	0	468	488	95 -	1	481	180955	181442
UN79945	Rsa1.0.23692.1	483	1031	1.00E-125	289	307	94 -	1	304	37	343
UN79946	Rsa1.0.07358.1	232	9516	5.00E-80	196	211	92 -	2	212	2199	2409
UN79947	Rsa1.0.23867.1	711	1021	0	463	476	97 +	237	711	1	472
UN79948	Rsa1.0.00481.1	766	81316	0	647	656	98 -	1	655	33825	34480

UN79949	Rsa1.0.00009.1	718	232558	3.00E-62	170	186	91 -	409	594	7461	7646
UN79950	Rsa1.0.00231.1	776	105381	0	768	776	98 +	1	776	22817	23592
UN79951	Rsa1.0.01005.1	692	56967	1.00E-149	276	279	98 -	3	281	53316	53594
UN79952	Rsa1.0.07851.1	607	8423	1.00E-116	222	225	98 -	236	460	5363	5587
UN79953	Rsa1.0.03520.1	651	22327	0	649	652	99 +	1	651	2785	3436
UN79954	Rsa1.0.02658.1	191	28978	2.00E-45	99	101	98 +	1	101	17633	17733
UN79955	Rsa1.0.00651.1	752	247766	1.00E-121	245	253	96 -	66	318	206077	206329
UN79956	Rsa1.0.07426.1	264	9413	5.00E-34	83	86	96 +	135	220	1699	1784
UN79957	Rsa1.0.02606.1	730	29635	1.00E-140	299	313	95 -	5	316	13308	13620
UN79958	Rsa1.0.02480.1	698	31036	0	667	695	95 +	1	694	25525	26218
UN79959	Rsa1.0.04411.1	381	142979	1.00E-167	372	400	93 +	1	381	137818	138217
UN79960	Rsa1.0.00963.1	363	58176	1.00E-151	313	327	95 -	1	327	44669	44995
UN79961	Rsa1.0.08523.1	144	7238	1.00E-54	117	120	97 -	19	138	562	681
UN79962	Rsa1.0.00107.1	271	431659	1.00E-117	255	269	94 +	1	269	291934	292202
UN79963	Rsa1.0.00094.1	762	139042	2.00E-88	300	343	87 +	3	340	27549	27876
UN79964	Rsa1.0.09709.1	683	6198	4.00E-92	175	176	99 +	1	176	5139	5314
UN79965	Rsa1.0.01357.1	406	47280	1.00E-50	128	134	95 +	6	138	2515	2647
UN79966	Rsa1.0.01193.1	194	51147	2.00E-75	188	198	94 +	1	194	27508	27704
UN79967	Rsa1.0.04292.1	777	18050	3.00E-99	217	226	96 -	1	222	9365	9590
UN79968	Rsa1.0.00549.1	554	76473	1.00E-105	194	194	100 +	195	388	42091	42284
UN79969	Rsa1.0.00251.1	118	303968	1.00E-26	106	120	88 +	1	118	111551	111670
UN79970	Rsa1.0.00447.1	110	84051	6.00E-16	58	63	92 +	4	66	34735	34797
UN79971	Rsa1.0.00389.1	704	88795	0	640	652	98 +	1	645	40610	41261
UN79972	Rsa1.0.00010.1	198	294827	2.00E-17	93	109	85 +	90	198	81331	81428
UN79973	Rsa1.0.00037.1	565	307838	1.00E-118	264	279	94 +	14	286	236296	236574
UN79974	Rsa1.0.09074.1	625	6670	1.00E-127	352	387	90 +	1	379	2902	3277
UN79975	Rsa1.0.03073.1	525	25574	1.00E-122	269	281	95 +	2	279	10066	10345
UN79976	Rsa1.0.01466.1	411	45161	1.00E-176	357	372	95 -	1	372	25169	25540
UN79977	Rsa1.0.02413.1	708	31628	0	686	710	96 -	1	708	30197	30906
UN79978	Rsa1.0.05707.1	735	12872	0	707	734	96 +	5	735	428	1153
UN79979	Rsa1.0.00078.1	804	175053	1.00E-95	238	256	92 +	1	252	30587	30842
UN79980	Rsa1.0.00497.1	739	79830	0	427	448	95 -	1	445	41564	42004
UN79981	Rsa1.0.01657.1	178	41436	2.00E-84	173	178	97 -	1	178	19237	19414
UN79982	Rsa1.0.00104.1	754	368722	0	713	746	95 +	1	738	57705	58446
UN79983	Rsa1.0.00211.1	481	228189	1.00E-101	223	234	95 +	59	292	146603	146834
UN79984	Rsa1.0.00611.1	161	72410	9.00E-56	149	161	92 +	1	161	15140	15298
UN79985	Rsa1.0.12396.1	748	5237	0	408	429	95 +	1	429	197	625
UN79986	Rsa1.0.04332.1	719	17869	0	689	714	96 +	6	719	15863	16575
UN79987	Rsa1.0.13802.1	739	4311	0	694	739	93 -	1	739	3015	3753

UN79988	Rsa1.0.01115.1	813	183545	0	503	510	98 +	1	509	155023	155532
UN79989	Rsa1.0.00911.1	324	59943	1.00E-117	275	292	94 -	1	286	12111	12399
UN79990	Rsa1.0.01825.1	776	38725	7.00E-82	164	167	98 +	453	619	15205	15371
UN79991	Rsa1.0.00484.1	291	203294	2.00E-61	123	124	99 +	44	167	51800	51923
UN79992	Rsa1.0.02160.1	470	34468	1.00E-155	379	406	93 +	71	470	6227	6628
UN79993	Rsa1.0.14032.1	668	3893	5.00E-98	248	267	92 +	1	261	1497	1763
UN79994	Rsa1.0.01632.1	415	181224	4.00E-51	103	103	100 +	313	415	6952	7054
UN79995	#	#	#	#	#	#	#	#	#	#	#
UN79996	Rsa1.0.00740.1	556	215972	0	434	447	97 +	110	556	9379	9825
UN79997	Rsa1.0.22366.1	618	1127	0	375	386	97 -	1	385	380	764
UN79998	Rsa1.0.03474.1	384	147790	4.00E-17	164	197	83 +	43	235	134752	134941
UN79999	Rsa1.0.00245.1	802	103569	0	532	552	96 -	44	594	12077	12616
UN80000	Rsa1.0.00023.1	398	194764	1.00E-150	372	404	92 -	2	398	84528	84925
UN80001	Rsa1.0.00891.1	849	60724	1.00E-103	281	310	90 -	512	812	21605	21911
UN80002	Rsa1.0.08924.1	759	6785	0	562	615	91 +	149	756	6078	6691
UN80003	Rsa1.0.01099.1	514	158481	0	365	367	99 -	1	367	132317	132683
UN80004	Rsa1.0.00141.1	737	121494	0	435	454	95 +	139	589	67501	67954
UN80005	Rsa1.0.00128.1	365	228675	2.00E-61	218	246	88 +	1	245	86713	86953
UN80006	Rsa1.0.00301.1	764	365315	1.00E-135	305	324	94 -	1	324	189263	189585
UN80007	Rsa1.0.00246.1	445	103541	0	403	422	95 +	1	422	70698	71118
UN80008	Rsa1.0.00087.1	157	761073	4.00E-67	151	157	96 -	1	157	315039	315194
UN80009	Rsa1.0.00805.1	159	63724	1.00E-58	148	159	93 -	1	159	43431	43589
UN80010	Rsa1.0.00369.1	387	266462	2.00E-93	235	254	92 +	17	268	146327	146576
UN80011	Rsa1.0.00075.1	563	146680	0	502	527	95 +	35	560	127746	128272
UN80012	Rsa1.0.02070.1	556	158516	0	544	557	97 +	3	556	8462	9016
UN80013	Rsa1.0.03818.1	546	20668	3.00E-89	223	238	93 +	1	235	6683	6919
UN80014	Rsa1.0.00175.1	458	166121	1.00E-140	394	445	88 +	50	457	67450	67894
UN80015	Rsa1.0.01864.1	781	37998	1.00E-135	304	328	92 -	450	777	13771	14080
UN80016	Rsa1.0.02373.1	394	32048	1.00E-167	371	393	94 +	3	394	8627	9018
UN80017	Rsa1.0.00100.1	609	249232	1.00E-152	296	302	98 -	3	301	137496	137796
UN80018	Rsa1.0.00362.1	760	299497	0	740	773	95 -	1	760	292476	293243
UN80019	Rsa1.0.01468.1	314	45146	1.00E-125	281	299	93 +	16	314	28205	28503
UN80020	Rsa1.0.00218.1	797	201480	1.00E-168	385	409	94 -	3	402	153355	153761
UN80021	Rsa1.0.01331.1	542	47944	0	346	348	99 -	1	348	43800	44147
UN80022	Rsa1.0.00235.1	786	154696	0	720	767	93 +	24	786	140015	140764
UN80023	Rsa1.0.00886.1	458	167350	1.00E-175	429	464	92 +	5	458	12564	13020
UN80024	Rsa1.0.03949.1	821	19899	0	813	820	99 +	3	821	5141	5960
UN80025	Rsa1.0.02396.1	576	31783	0	425	435	97 -	76	506	16638	17072
UN80026	Rsa1.0.02516.1	584	30608	3.00E-62	339	410	82 +	110	519	9470	9878

UN80027	Rsa1.0.05398.1	469	13885	1.00E-149	360	387	93 -	1	382	12836	13213
UN80028	Rsa1.0.00418.1	373	215377	1.00E-114	230	236	97 -	3	237	45040	45275
UN80029	Rsa1.0.00119.1	549	467509	0	529	567	93 +	1	549	118474	119038
UN80030	Rsa1.0.04293.1	743	18046	0	646	666	96 -	78	741	14118	14777
UN80031	Rsa1.0.01190.1	170	194501	3.00E-31	90	97	92 +	57	153	186983	187079
UN80032	Rsa1.0.00646.1	737	70473	0	554	567	97 +	171	737	4441	5007
UN80033	Rsa1.0.00496.1	228	79834	4.00E-77	203	222	91 -	6	227	56211	56432
UN80034	Rsa1.0.03921.1	597	20080	0	535	558	95 -	41	597	3943	4498
UN80035	Rsa1.0.00012.1	543	222148	0	503	552	91 +	1	537	74766	75313
UN80036	Rsa1.0.00693.1	355	161311	1.00E-145	322	339	94 -	18	355	37383	37718
UN80037	Rsa1.0.01242.1	627	50066	1.00E-179	328	330	99 -	1	329	21410	21739
UN80038	Rsa1.0.00876.1	654	61328	1.00E-107	287	313	91 -	23	331	51226	51528
UN80039	Rsa1.0.01009.1	646	56922	7.00E-94	262	290	90 +	2	282	34693	34979
UN80040	Rsa1.0.00202.1	766	185895	1.00E-145	294	303	97 -	1	302	11171	11469
UN80041	Rsa1.0.02849.1	683	27327	3.00E-65	185	203	91 +	187	388	21184	21386
UN80042	Rsa1.0.64139.1	770	357	0	344	348	98 +	286	633	2	349
UN80043	Rsa1.0.05161.1	497	14631	3.00E-77	160	163	98 -	125	287	10045	10206
UN80044	Rsa1.0.03935.1	727	19983	1.00E-155	284	286	99 +	3	288	7856	8141
UN80045	Rsa1.0.00936.1	774	59078	0	648	673	96 +	10	680	22845	23515
UN80046	Rsa1.0.05669.1	757	12993	0	750	757	99 +	1	757	9668	10424
UN80047	Rsa1.0.15089.1	353	2840	1.00E-114	256	272	94 +	82	353	302	573
UN80048	Rsa1.0.00538.1	590	77149	0	587	590	99 +	1	590	24050	24639
UN80049	Rsa1.0.02735.1	739	28344	0	715	738	96 +	3	739	12681	13418
UN80050	Rsa1.0.03233.1	825	24446	0	797	831	95 +	1	825	20227	21057
UN80051	Rsa1.0.05090.1	191	14879	3.00E-65	180	194	92 -	1	191	3998	4186
UN80052	#	#	#	#	#	#	#	#	#	#	#
UN80053	Rsa1.0.01961.1	669	36761	0	631	644	97 -	31	669	26125	26768
UN80054	Rsa1.0.03984.1	191	19709	1.00E-18	86	98	87 +	6	100	9607	9704
UN80055	Rsa1.0.01540.1	673	151890	0	643	679	94 +	1	673	142497	143171
UN80056	Rsa1.0.00517.1	758	142790	1.00E-132	246	248	99 -	344	591	106233	106480
UN80057	Rsa1.0.04134.1	286	149811	3.00E-91	213	226	94 -	4	228	8952	9177
UN80058	Rsa1.0.01002.1	592	57063	0	515	537	95 -	54	590	3995	4531
UN80059	Rsa1.0.00130.1	715	125737	0	633	644	98 -	72	715	54382	55025
UN80060	Rsa1.0.01484.1	469	44806	0	438	455	96 -	16	469	40820	41274
UN80061	Rsa1.0.01258.1	628	49755	7.00E-69	146	149	97 -	126	273	3480	3628
UN80062	Rsa1.0.02411.1	136	31655	1.00E-45	99	101	98 +	4	104	24458	24558
UN80063	Rsa1.0.01578.1	400	42880	2.00E-89	236	259	91 -	140	398	41449	41707
UN80064	#	#	#	#	#	#	#	#	#	#	#
UN80065	Rsa1.0.00514.1	797	78421	1.00E-166	316	321	98 -	1	321	64024	64343

UN80066	Rsa1.0.00483.1	731	81102	0	463	483	95 +	1	480	27493	27970
UN80067	Rsa1.0.00675.1	604	145590	0	584	604	96 +	2	604	30707	31310
UN80068	Rsa1.0.00414.1	515	202190	0	486	516	94 -	2	515	11612	12108
UN80069	Rsa1.0.00119.1	573	467509	1.00E-103	215	222	96 -	354	573	50446	50667
UN80070	Rsa1.0.00066.1	546	152418	1.00E-132	366	406	90 -	130	527	66561	66951
UN80071	Rsa1.0.02965.1	750	26402	0	743	753	98 -	1	750	4190	4942
UN80072	Rsa1.0.00408.1	668	176752	1.00E-131	255	260	98 -	1	260	33263	33520
UN80073	Rsa1.0.00376.1	108	90101	4.00E-26	93	104	89 -	1	104	69826	69929
UN80074	Rsa1.0.30763.1	219	745	1.00E-104	212	219	96 -	1	219	261	479
UN80075	Rsa1.0.00398.1	744	88007	0	467	489	95 -	1	483	63410	63897
UN80076	Rsa1.0.00111.1	186	390088	3.00E-53	166	186	89 -	1	186	75650	75835
UN80077	Rsa1.0.02976.1	712	26315	0	493	526	93 +	191	712	7199	7724
UN80078	Rsa1.0.00249.1	743	153740	0	726	744	97 +	1	743	39106	39849
UN80079	Rsa1.0.00525.1	466	78030	0	459	466	98 -	1	466	40012	40477
UN80080	Rsa1.0.02036.1	749	35731	1.00E-125	268	284	94 -	245	528	8134	8405
UN80081	Rsa1.0.16955.1	720	1976	0	640	643	99 -	1	643	1	643
UN80082	Rsa1.0.01403.1	331	46453	1.00E-165	321	330	97 -	1	330	24972	25301
UN80083	Rsa1.0.00010.1	768	294827	0	473	498	94 +	1	485	124595	125089
UN80084	Rsa1.0.00527.1	443	77733	2.00E-87	242	263	92 +	1	260	57570	57830
UN80085	Rsa1.0.03426.1	716	23010	1.00E-175	355	367	96 -	1	366	13073	13438
UN80086	Rsa1.0.00152.1	473	257730	0	462	476	97 -	1	473	84904	85379
UN80087	#	#	#	#	#	#	#	#	#	#	#
UN80088	Rsa1.0.07972.1	724	8151	2.00E-60	167	182	91 -	416	595	3877	4058
UN80089	Rsa1.0.13790.1	499	4331	0	469	506	92 -	2	499	177	676
UN80090	Rsa1.0.03009.1	410	26065	1.00E-57	159	174	91 -	237	410	19445	19618
UN80091	Rsa1.0.02143.1	564	34632	1.00E-144	340	367	92 +	198	564	13042	13408
UN80092	Rsa1.0.13838.1	282	4236	1.00E-153	280	281	99 -	2	282	3497	3776
UN80093	Rsa1.0.01242.1	722	50066	1.00E-142	309	322	95 -	1	316	21407	21728
UN80094	Rsa1.0.00947.1	510	58664	1.00E-100	214	223	95 +	287	509	57858	58077
UN80095	Rsa1.0.00016.1	586	831256	1.00E-128	247	252	98 -	1	252	763413	763664
UN80096	Rsa1.0.21524.1	204	1195	2.00E-42	103	108	95 +	1	108	1042	1149
UN80097	Rsa1.0.01146.1	122	163455	4.00E-20	98	109	89 -	1	107	162872	162977
UN80098	Rsa1.0.01236.1	518	50156	3.00E-37	113	123	91 -	167	289	43426	43546
UN80099	Rsa1.0.00045.1	737	328694	0	457	467	97 -	269	735	289290	289756
UN80100	Rsa1.0.00849.1	348	62212	1.00E-135	298	314	94 +	13	323	9787	10099
UN80101	Rsa1.0.01171.1	296	51752	1.00E-110	258	276	93 +	23	296	50662	50937
UN80102	Rsa1.0.02267.1	314	33194	1.00E-144	301	313	96 +	1	310	22256	22567
UN80103	Rsa1.0.08026.1	450	8061	0	408	423	96 -	28	450	796	1218
UN80104	Rsa1.0.14063.1	803	3852	0	635	638	99 -	168	803	2168	2805

UN80105	Rsa1.0.27666.1	610	844	0	361	366	98 -	2	367	1	366
UN80106	Rsa1.0.01728.1	695	40239	0	664	702	94 -	1	695	3247	3948
UN80107	Rsa1.0.00642.1	271	201230	1.00E-128	263	272	96 -	1	271	158451	158722
UN80108	Rsa1.0.00684.1	452	141701	0	379	388	97 -	1	385	39451	39837
UN80109	Rsa1.0.03740.1	741	21065	1.00E-117	363	419	86 -	2	385	16278	16696
UN80110	Rsa1.0.00015.1	323	561803	1.00E-104	303	337	89 -	1	323	351257	351592
UN80111	Rsa1.0.00758.1	776	65477	1.00E-158	302	308	98 +	1	308	37890	38193
UN80112	Rsa1.0.01442.1	744	45776	0	722	744	97 +	1	744	3595	4338
UN80113	Rsa1.0.00369.1	424	266462	1.00E-149	314	328	95 +	102	424	9460	9787
UN80114	Rsa1.0.00377.1	732	90038	0	378	380	99 +	3	382	51757	52136
UN80115	Rsa1.0.00694.1	640	68074	0	444	456	97 -	188	640	27099	27553
UN80116	Rsa1.0.02723.1	759	28408	0	537	540	99 +	1	540	7667	8206
UN80117	Rsa1.0.03666.1	794	21485	0	444	459	96 -	3	461	14758	15213
UN80118	Rsa1.0.01005.1	475	56967	1.00E-179	334	338	98 -	139	475	27852	28189
UN80119	Rsa1.0.00113.1	733	131574	0	698	727	96 +	1	724	70591	71317
UN80120	Rsa1.0.16553.1	417	2115	1.00E-78	158	161	98 +	81	241	109	269
UN80121	Rsa1.0.00182.1	734	142305	1.00E-80	183	193	94 +	484	676	98126	98318
UN80122	Rsa1.0.05208.1	137	14504	3.00E-55	124	129	96 -	4	132	4079	4207
UN80123	Rsa1.0.05030.1	105	15088	3.00E-33	99	107	92 +	1	105	10969	11075
UN80124	Rsa1.0.00491.1	234	80219	1.00E-105	224	234	95 -	1	234	36682	36915
UN80125	Rsa1.0.00103.1	171	135304	6.00E-54	155	168	92 +	7	171	45653	45817
UN80126	Rsa1.0.00912.1	790	59923	1.00E-122	287	304	94 +	1	300	36982	37282
UN80127	Rsa1.0.02155.1	761	34522	1.00E-128	251	257	97 -	349	605	7801	8057
UN80128	Rsa1.0.00402.1	451	385315	0	438	448	97 +	1	448	228286	228733
UN80129	Rsa1.0.02129.1	778	34757	1.00E-156	339	357	94 -	1	349	6496	6850
UN80130	Rsa1.0.04602.1	237	16684	5.00E-86	222	236	94 +	1	235	12250	12480
UN80131	Rsa1.0.01054.1	206	55470	1.00E-105	204	207	98 -	3	206	26242	26448
UN80132	Rsa1.0.02274.1	690	33109	1.00E-86	189	197	95 +	1	194	25476	25672
UN80133	Rsa1.0.00527.1	408	77733	0	400	410	97 +	1	408	26326	26735
UN80134	Rsa1.0.01798.1	476	173909	1.00E-125	292	313	93 +	154	463	162338	162650
UN80135	Rsa1.0.15766.1	130	2435	2.00E-50	122	128	95 +	1	126	1080	1207
UN80136	Rsa1.0.09568.1	118	6284	4.00E-23	58	59	98 -	60	118	5409	5467
UN80137	Rsa1.0.01838.1	660	38500	0	422	446	94 -	1	443	17537	17978
UN80138	Rsa1.0.01058.1	501	55430	1.00E-91	227	242	93 -	4	244	29543	29781
UN80139	Rsa1.0.08592.1	727	7150	0	700	724	96 +	3	723	1276	1999
UN80140	Rsa1.0.02584.1	723	29877	0	411	435	94 -	2	431	806	1240
UN80141	Rsa1.0.00191.1	736	316976	0	709	737	96 +	1	736	212063	212787
UN80142	Rsa1.0.00111.1	802	390088	1.00E-162	341	357	95 -	1	356	139323	139679
UN80143	Rsa1.0.00026.1	654	327835	6.00E-82	171	175	97 -	268	442	165729	165902

UN80144	#	#	#	#	#	#	#	#	#	#	#	#
UN80145	Rsa1.0.08102.1	547	7901	1.00E-150	275	277	99 +	1	277	6157	6433	
UN80146	Rsa1.0.01484.1	716	44806	0	516	537	96 -	97	632	21799	22329	
UN80147	Rsa1.0.00990.1	767	57445	0	386	387	99 +	1	387	44943	45329	
UN80148	Rsa1.0.00609.1	485	72785	0	478	485	98 -	1	485	61589	62073	
UN80149	Rsa1.0.02373.1	223	32048	9.00E-97	212	223	95 -	1	223	30225	30447	
UN80150	Rsa1.0.08255.1	368	7652	7.00E-34	77	78	98 -	258	335	2295	2372	
UN80151	Rsa1.0.00454.1	796	216970	1.00E-102	189	189	100 -	339	527	164199	164387	
UN80152	Rsa1.0.00082.1	798	237584	1.00E-74	146	147	99 -	551	697	138054	138200	
UN80153	Rsa1.0.01257.1	785	49766	0	351	355	98 -	3	357	38760	39114	
UN80154	Rsa1.0.00476.1	296	280966	2.00E-49	151	170	88 +	1	159	233094	233263	
UN80155	Rsa1.0.00005.1	808	353093	1.00E-142	532	623	85 -	1	607	67367	67983	
UN80156	Rsa1.0.02170.1	626	34352	0	550	611	90 -	16	626	1678	2288	
UN80157	Rsa1.0.00138.1	772	247040	1.00E-135	251	253	99 +	27	279	15002	15254	
UN80158	Rsa1.0.00037.1	607	307838	1.00E-151	319	334	95 +	1	334	236248	236574	
UN80159	Rsa1.0.00415.1	554	86795	0	517	541	95 -	9	548	9008	9548	
UN80160	Rsa1.0.00330.1	621	94666	0	511	518	98 -	104	621	14206	14723	
UN80161	Rsa1.0.01397.1	495	183276	0	493	495	99 -	1	495	16905	17399	
UN80162	Rsa1.0.01863.1	252	38010	1.00E-103	241	253	95 -	1	252	27174	27422	
UN80163	Rsa1.0.00254.1	475	102600	0	456	475	96 -	1	475	89698	90172	
UN80164	Rsa1.0.11291.1	610	5555	0	607	610	99 +	1	610	275	884	
UN80165	Rsa1.0.00323.1	703	159650	0	656	679	96 +	1	677	35893	36569	
UN80166	Rsa1.0.00180.1	720	114581	0	673	724	92 +	3	720	8162	8879	
UN80167	Rsa1.0.10577.1	736	5796	0	479	487	98 -	3	489	535	1020	
UN80168	Rsa1.0.00817.1	714	62961	0	377	392	96 -	1	392	20948	21336	
UN80169	Rsa1.0.00003.1	176	340054	1.00E-67	163	174	93 -	3	176	4596	4769	
UN80170	Rsa1.0.00084.1	143	142338	2.00E-28	73	76	96 -	68	143	30664	30739	
UN80171	Rsa1.0.00013.1	613	292129	1.00E-169	367	383	95 -	2	380	196597	196976	
UN80172	Rsa1.0.00528.1	181	164755	7.00E-54	156	171	91 -	7	177	149638	149807	
UN80173	Rsa1.0.01722.1	765	40320	0	762	765	99 +	1	765	18680	19444	
UN80174	#	#	#	#	#	#	#	#	#	#	#	#
UN80175	Rsa1.0.00131.1	311	432233	1.00E-105	281	309	90 -	1	309	430087	430383	
UN80176	Rsa1.0.00185.1	718	248445	1.00E-110	270	289	93 -	4	288	4378	4665	
UN80177	Rsa1.0.02526.1	526	30479	0	455	459	99 -	1	459	9547	10005	
UN80178	Rsa1.0.00951.1	758	164588	0	710	757	93 -	1	757	8030	8778	
UN80179	Rsa1.0.00046.1	671	320315	0	664	675	98 +	1	671	154507	155180	
UN80180	Rsa1.0.01484.1	502	44806	2.33E-156	308	322	95 -	50	370	9694	10015	
UN80181	Rsa1.0.01164.1	647	51934	0	620	665	93 -	4	647	49642	50298	
UN80182	Rsa1.0.06388.1	433	11110	0	405	430	94 +	7	430	5865	6289	

UN80183	Rsa1.0_00336.1	453	445051	1.00E-130	290	306	94 -	1	306	218905	219207
UN80184	Rsa1.0_01675.1	608	41155	1.00E-82	199	212	93 +	79	289	39013	39224
UN80185	Rsa1.0_03782.1	454	20891	1.00E-156	304	312	97 -	143	454	11281	11592
UN80186	Rsa1.0_00237.1	440	235974	0	431	443	97 +	1	440	34259	34701
UN80187	Rsa1.0_02931.1	112	26654	1.00E-29	99	109	90 -	4	112	6331	6437
UN80188	Rsa1.0_00400.1	626	87858	4.00E-55	113	114	99 -	513	626	60287	60400
UN80189	Rsa1.0_00287.1	595	98687	0	591	595	99 +	1	595	64544	65138
UN80190	Rsa1.0_05876.1	634	12348	2.00E-78	192	205	93 +	237	440	3822	4026
UN80191	Rsa1.0_00396.1	482	88242	0	381	400	95 -	1	397	5961	6360
UN80192	Rsa1.0_04515.1	228	17021	6.00E-67	201	219	91 -	6	224	2746	2957
UN80193	Rsa1.0_23101.1	253	1071	2.00E-58	208	234	88 +	24	253	6	233
UN80194	Rsa1.0_00590.1	722	73835	0	404	408	99 -	1	408	319	726
UN80195	Rsa1.0_00123.1	397	325650	1.00E-122	335	372	90 -	12	380	256008	256379
UN80196	Rsa1.0_00104.1	441	368722	1.00E-82	233	259	89 +	1	257	33258	33507
UN80197	Rsa1.0_00017.1	456	752458	0	423	456	92 +	1	456	375182	375625
UN80198	Rsa1.0_01773.1	487	39546	1.00E-138	336	363	92 -	108	464	18285	18644
UN80199	Rsa1.0_01220.1	189	161775	6.00E-82	183	190	96 +	1	189	122621	122809
UN80200	Rsa1.0_10632.1	505	5776	0	495	505	98 -	1	505	3761	4265
UN80201	Rsa1.0_00932.1	758	59185	1.00E-177	364	378	96 +	1	378	30646	31020
UN80202	Rsa1.0_06602.1	187	10683	6.00E-85	180	187	96 -	1	187	9380	9566
UN80203	Rsa1.0_00645.1	666	189716	1.00E-79	178	187	95 +	63	249	9170	9356
UN80204	Rsa1.0_00798.1	559	63945	0	547	557	98 -	1	557	43711	44267
UN80205	Rsa1.0_00289.1	581	98620	1.00E-119	298	323	92 +	1	323	25691	26003
UN80206	Rsa1.0_00457.1	326	337301	1.00E-137	310	330	93 +	1	324	161355	161683
UN80207	Rsa1.0_05778.1	213	12656	5.00E-86	197	209	94 +	5	213	370	578
UN80208	Rsa1.0_03572.1	719	146346	1.00E-174	377	395	95 +	2	396	129462	129850
UN80209	Rsa1.0_00322.1	585	212233	0	582	584	99 +	2	585	211410	211993
UN80210	Rsa1.0_01027.1	738	56402	0	547	580	94 +	1	568	17157	17736
UN80211	Rsa1.0_00026.1	371	327835	1.00E-158	354	374	94 -	1	371	45885	46252
UN80212	Rsa1.0_01175.1	603	51674	3.00E-80	192	204	94 +	88	290	36098	36301
UN80213	Rsa1.0_06707.1	331	10503	4.00E-66	134	136	98 -	172	307	10	145
UN80214	Rsa1.0_01947.1	149	36977	1.00E-30	86	90	95 -	62	148	22116	22204
UN80215	Rsa1.0_01153.1	802	52264	0	723	758	95 -	35	787	49634	50388
UN80216	Rsa1.0_00006.1	738	396176	1.00E-107	210	213	98 -	1	213	290623	290834
UN80217	Rsa1.0_00685.1	804	68515	0	571	587	97 -	1	584	2271	2857
UN80218	Rsa1.0_00917.1	161	182012	1.00E-76	154	157	98 -	5	161	156104	156260
UN80219	Rsa1.0_02518.1	580	30586	1.00E-165	294	294	100 +	3	296	25544	25837
UN80220	Rsa1.0_00789.1	114	64233	3.00E-42	102	107	95 -	3	109	34606	34712
UN80221	Rsa1.0_00247.1	764	103408	0	731	765	95 -	8	764	77975	78729

UN80222	Rsa1.0.00383.1	710	398431	0	495	532	93 +	102	633	284018	284530
UN80223	Rsa1.0.02287.1	726	32986	0	695	730	95 -	1	726	23993	24715
UN80224	#	#	#	#	#	#	#	#	#	#	#
UN80225	Rsa1.0.00981.1	688	57700	1.00E-137	269	275	97 +	139	412	13052	13326
UN80226	Rsa1.0.00039.1	446	296927	6.00E-78	333	394	84 +	53	446	219251	219641
UN80227	Rsa1.0.00262.1	729	101906	1.00E-165	318	326	97 +	285	610	27481	27806
UN80228	Rsa1.0.02750.1	536	28239	2.00E-78	200	217	92 +	306	522	23215	23431
UN80229	Rsa1.0.76398.1	515	300	1.00E-150	285	290	98 -	167	456	11	300
UN80230	Rsa1.0.03790.1	358	20844	7.00E-74	195	213	91 -	137	349	2269	2481
UN80231	Rsa1.0.00050.1	760	237174	0	365	376	97 -	1	374	33432	33806
UN80232	Rsa1.0.00017.1	679	752458	0	676	679	99 -	2	679	376034	376712
UN80233	Rsa1.0.00329.1	714	222544	0	585	631	92 +	17	629	195379	196002
UN80234	Rsa1.0.03884.1	758	20274	1.00E-141	354	385	91 +	377	758	19654	20022
UN80235	Rsa1.0.03640.1	108	21624	3.00E-45	104	108	96 -	1	108	663	770
UN80236	Rsa1.0.02984.1	729	26263	1.00E-144	280	287	97 -	2	288	22601	22887
UN80237	Rsa1.0.01569.1	788	43029	1.00E-130	264	272	97 +	416	687	37369	37639
UN80238	Rsa1.0.00100.1	702	249232	1.00E-92	200	209	95 +	490	698	136197	136405
UN80239	Rsa1.0.07812.1	223	8496	1.00E-120	222	223	99 +	1	223	31	253
UN80240	Rsa1.0.14240.1	197	3629	7.00E-85	192	199	96 +	1	197	613	810
UN80241	Rsa1.0.00728.1	768	66704	1.00E-108	257	275	93 -	149	420	62572	62837
UN80242	Rsa1.0.01468.1	674	45146	1.00E-107	200	201	99 -	138	338	31162	31362
UN80243	Rsa1.0.21200.1	702	1226	0	678	703	96 +	1	702	287	988
UN80244	Rsa1.0.00416.1	686	86772	1.00E-100	226	238	94 +	386	617	43883	44120
UN80245	Rsa1.0.05518.1	766	13459	0	397	404	98 +	364	766	4937	5340
UN80246	Rsa1.0.00108.1	289	478491	7.00E-98	184	185	99 -	1	185	123660	123844
UN80247	Rsa1.0.00600.1	706	73395	0	387	409	94 +	218	626	29420	29828
UN80248	Rsa1.0.00200.1	688	162016	4.00E-18	103	119	86 -	12	129	13280	13396
UN80249	Rsa1.0.02848.1	347	27329	0	346	348	99 -	1	347	9382	9729
UN80250	Rsa1.0.00512.1	690	200277	5.00E-98	209	218	95 -	9	226	25123	25340
UN80251	Rsa1.0.01413.1	747	46275	1.00E-177	439	479	91 +	270	747	39702	40165
UN80252	Rsa1.0.01622.1	695	42071	5.00E-95	189	193	97 +	1	193	30162	30354
UN80253	Rsa1.0.00527.1	786	77733	1.00E-155	389	424	91 -	6	415	28102	28515
UN80254	Rsa1.0.04205.1	694	138772	1.00E-143	338	364	92 -	344	694	133890	134249
UN80255	Rsa1.0.01798.1	551	173909	0	534	551	96 -	1	551	164350	164900
UN80256	Rsa1.0.00940.1	731	179946	1.00E-112	227	234	97 +	392	625	175916	176149
UN80257	Rsa1.0.00131.1	407	432233	9.00E-86	173	177	97 +	231	407	410706	410882
UN80258	Rsa1.0.00160.1	756	346678	0	385	395	97 +	38	432	2224	2618
UN80259	Rsa1.0.02413.1	760	31628	0	382	383	99 +	134	516	28741	29123
UN80260	Rsa1.0.04022.1	655	19534	1.00E-107	236	249	94 -	326	574	2133	2381

UN80261	Rsa1.0_16653.1	568	2077	0	515	517	99 -	54	568	599	1115
UN80262	Rsa1.0_03728.1	396	21147	6.00E-96	211	222	95 -	174	395	15867	16088
UN80263	Rsa1.0_00806.1	692	63674	0	676	695	97 -	2	692	43346	44039
UN80264	Rsa1.0_00480.1	317	81325	1.00E-111	207	208	99 -	110	317	53618	53825
UN80265	Rsa1.0_01913.1	753	37363	2.00E-82	224	246	91 +	459	695	27662	27903
UN80266	Rsa1.0_02756.1	744	28202	1.00E-89	194	202	96 -	237	438	19920	20118
UN80267	Rsa1.0_00257.1	721	102407	0	464	464	100 -	1	464	15721	16184
UN80268	Rsa1.0_08323.1	730	7540	0	461	483	95 +	249	730	2112	2594
UN80269	Rsa1.0_00116.1	689	365886	0	529	546	96 +	144	689	154724	155269
UN80270	Rsa1.0_02400.1	552	31750	3.00E-68	132	132	100 +	421	552	9129	9260
UN80271	Rsa1.0_00526.1	582	169279	1.00E-152	318	333	95 +	2	334	148198	148530
UN80272	Rsa1.0_09880.1	137	6106	1.00E-45	102	105	97 -	1	105	45	149
UN80273	Rsa1.0_00307.1	545	199003	6.00E-66	134	136	98 -	83	218	186432	186567
UN80274	Rsa1.0_00144.1	715	120708	1.00E-163	348	365	95 +	1	361	45209	45567
UN80275	Rsa1.0_05321.1	615	14154	1.00E-160	292	294	99 +	275	568	13071	13364
UN80276	Rsa1.0_03022.1	295	25968	1.00E-115	281	300	93 +	1	295	2675	2972
UN80277	Rsa1.0_00722.1	748	66840	0	439	461	95 -	2	459	65531	65988
UN80278	Rsa1.0_01622.1	639	42071	0	538	552	97 +	34	585	1291	1842
UN80279	Rsa1.0_02161.1	411	34459	0	406	408	99 +	4	411	32562	32969
UN80280	Rsa1.0_04470.1	670	17204	1.00E-67	137	139	98 +	460	598	3848	3986
UN80281	Rsa1.0_23175.1	735	1066	1.00E-117	234	239	97 -	22	259	34	272
UN80282	Rsa1.0_01058.1	754	55430	2.00E-60	157	170	92 +	226	395	28333	28496
UN80283	Rsa1.0_02401.1	710	138425	0	501	505	99 -	1	505	27715	28219
UN80284	Rsa1.0_01955.1	456	36850	1.00E-148	338	361	93 -	96	456	15522	15875
UN80285	Rsa1.0_05643.1	458	13065	1.00E-155	330	344	95 -	1	342	9500	9841
UN80286	Rsa1.0_04049.1	282	19385	1.00E-135	278	288	96 +	1	282	17964	18251
UN80287	Rsa1.0_09117.1	275	6637	1.00E-134	266	274	97 -	2	275	3279	3552
UN80288	Rsa1.0_00668.1	754	69421	0	732	751	97 +	1	750	22063	22813
UN80289	Rsa1.0_00741.1	701	66117	1.00E-49	113	117	96 -	469	585	48083	48199
UN80290	Rsa1.0_00645.1	645	189716	0	611	651	93 +	1	645	28924	29574
UN80291	Rsa1.0_00316.1	264	96264	1.00E-68	142	144	98 -	1	143	85542	85685
UN80292	Rsa1.0_00131.1	604	432233	1.00E-103	209	215	97 +	284	498	410706	410920
UN80293	Rsa1.0_00136.1	762	122464	1.00E-129	261	270	96 -	52	321	62177	62441
UN80294	Rsa1.0_00497.1	727	79830	1.00E-134	276	287	96 +	2	288	50795	51081
UN80295	Rsa1.0_00734.1	722	66508	0	409	440	92 +	274	713	38631	39048
UN80296	Rsa1.0_00108.1	581	478491	0	549	562	97 -	22	581	154232	154793
UN80297	Rsa1.0_38450.1	550	585	1.00E-139	251	251	100 +	300	550	172	422
UN80298	Rsa1.0_00019.1	728	301669	1.00E-89	174	176	98 -	512	687	113298	113473
UN80299	Rsa1.0_00881.1	774	61260	0	373	381	97 -	158	538	2549	2929

UN80300	Rsa1.0_01626.1	714	41989	4.00E-89	167	167	100 -	157	323	18034	18200
UN80301	Rsa1.0_00055.1	721	520193	1.00E-104	271	291	93 -	431	721	333928	334211
UN80302	Rsa1.0_00344.1	663	191774	0	480	489	98 +	172	660	181684	182170
UN80303	Rsa1.0_25408.1	640	937	0	431	435	99 +	206	640	1	435
UN80304	Rsa1.0_00740.1	492	215972	0	453	467	97 -	4	470	10201	10664
UN80305	Rsa1.0_01273.1	727	49464	1.00E-122	235	239	98 -	47	285	24253	24491
UN80306	Rsa1.0_25258.1	772	944	1.00E-140	278	286	97 -	375	660	660	942
UN80307	Rsa1.0_00082.1	747	237584	2.00E-91	214	226	94 +	4	227	37296	37520
UN80308	Rsa1.0_02150.1	407	34580	1.00E-120	337	365	92 +	1	353	16662	17022
UN80309	Rsa1.0_00023.1	571	194764	1.00E-88	181	186	97 +	173	358	83184	83369
UN80310	Rsa1.0_11921.1	760	5369	1.00E-109	303	330	91 +	425	751	4572	4896
UN80311	Rsa1.0_01070.1	665	55099	1.00E-164	452	503	89 +	164	665	36247	36726
UN80312	Rsa1.0_00066.1	679	152418	1.00E-103	206	211	97 -	1	211	73601	73811
UN80313	Rsa1.0_02098.1	744	35032	8.00E-60	128	130	98 -	601	729	19844	19973
UN80314	Rsa1.0_01008.1	668	56924	0	575	656	87 -	9	664	9492	10138
UN80315	Rsa1.0_04400.1	658	17529	0	600	625	96 +	34	658	16666	17284
UN80316	Rsa1.0_02222.1	559	152798	1.00E-155	307	317	96 +	220	536	149189	149505
UN80317	Rsa1.0_00681.1	821	68779	1.00E-55	120	123	97 -	110	232	54308	54430
UN80318	Rsa1.0_00828.1	505	62744	4.00E-82	219	238	92 +	189	425	55356	55586
UN80319	Rsa1.0_00476.1	746	280966	1.00E-100	216	225	96 -	3	226	235338	235562
UN80320	Rsa1.0_00005.1	774	353093	0	584	657	88 +	16	671	66444	67096
UN80321	Rsa1.0_00153.1	509	192931	0	332	334	99 +	175	508	87766	88098
UN80322	Rsa1.0_00579.1	506	148308	1.00E-137	289	299	96 -	216	506	63824	64121
UN80323	#	#	#	#	#	#	#	#	#	#	#
UN80324	Rsa1.0_00221.1	667	106972	2.00E-85	178	184	96 -	309	492	50983	51160
UN80325	Rsa1.0_06575.1	720	10732	0	694	703	98 -	1	701	9973	10675
UN80326	Rsa1.0_14624.1	459	3217	0	441	466	94 -	3	459	2598	3063
UN80327	Rsa1.0_03927.1	747	19997	1.00E-162	351	369	95 -	2	366	12463	12828
UN80328	Rsa1.0_00216.1	660	197563	0	537	538	99 +	123	660	67482	68019
UN80329	Rsa1.0_00159.1	565	431686	0	558	563	99 +	3	565	402819	403380
UN80330	Rsa1.0_03782.1	693	20891	0	523	558	93 +	103	648	9788	10345
UN80331	Rsa1.0_04026.1	679	19508	1.00E-131	312	333	93 -	4	335	5129	5459
UN80332	Rsa1.0_02327.1	594	32497	0	571	593	96 -	2	594	822	1414
UN80333	Rsa1.0_01651.1	752	41586	0	680	712	95 -	52	752	39004	39715
UN80334	Rsa1.0_00447.1	713	84051	7.00E-51	112	115	97 -	317	431	36831	36945
UN80335	Rsa1.0_00389.1	752	88795	0	739	749	98 -	3	750	42161	42909
UN80336	Rsa1.0_09074.1	809	6670	0	551	581	94 -	223	792	4110	4690
UN80337	Rsa1.0_03073.1	786	25574	4.00E-77	179	189	94 -	142	330	11450	11635
UN80338	Rsa1.0_02396.1	767	31783	0	400	423	94 +	25	446	15438	15860

UN80339	Rsa1.0.02516.1	788	30608	1.00E-179	538	611	88 -	70	680	10363	10973
UN80340	Rsa1.0.00218.1	579	201480	1.00E-121	230	233	98 +	347	579	52378	52610
UN80341	Rsa1.0.17354.1	409	1851	3.00E-95	186	189	98 -	221	409	365	553
UN80342	Rsa1.0.05595.1	764	13228	0	554	574	96 -	15	584	5046	5615
UN80343	Rsa1.0.02247.1	596	33427	1.00E-165	295	295	100 -	302	596	8514	8808
UN80344	Rsa1.0.00015.1	456	561803	0	436	463	94 -	1	456	478353	478815
UN80345	Rsa1.0.16267.1	678	2220	0	443	463	95 -	216	678	1016	1477
UN80346	Rsa1.0.00012.1	552	222148	1.00E-151	274	275	99 -	278	552	75543	75817
UN80347	Rsa1.0.03529.1	740	22277	0	585	608	96 -	134	740	16008	16615
UN80348	Rsa1.0.00693.1	620	161311	1.00E-166	334	346	96 +	2	344	36580	36925
UN80349	Rsa1.0.01016.1	672	181422	0	456	483	94 +	189	669	155897	156379
UN80350	Rsa1.0.01242.1	773	50066	1.00E-101	212	220	96 +	317	536	19654	19873
UN80351	Rsa1.0.01519.1	696	44144	0	546	566	96 -	2	565	40675	41238
UN80352	Rsa1.0.00082.1	217	237584	3.00E-81	185	195	94 -	23	217	56483	56674
UN80353	Rsa1.0.00040.1	695	324196	2.00E-88	265	298	88 +	243	518	69834	70128
UN80354	Rsa1.0.01009.1	679	56922	5.00E-70	144	147	97 -	357	503	37407	37553
UN80355	Rsa1.0.02348.1	691	32316	1.00E-157	298	302	98 +	391	691	17380	17681
UN80356	Rsa1.0.02070.1	780	158516	0	355	362	98 -	411	769	22264	22625
UN80357	Rsa1.0.01536.1	779	43747	1.00E-167	319	326	97 -	112	437	22573	22898
UN80358	Rsa1.0.00036.1	751	176186	1.00E-133	265	273	97 +	221	493	148175	148447
UN80359	Rsa1.0.00236.1	753	104771	8.00E-97	180	180	100 -	176	355	22547	22726
UN80360	Rsa1.0.08424.1	752	7375	0	405	412	98 -	342	752	4122	4533
UN80361	Rsa1.0.00484.1	706	203294	3.00E-93	201	210	95 -	13	222	54497	54706
UN80362	Rsa1.0.02160.1	575	34468	1.00E-125	273	288	94 -	288	575	7309	7592
UN80363	Rsa1.0.01403.1	509	46453	0	493	511	96 +	2	509	24165	24672
UN80364	Rsa1.0.00010.1	762	294827	1.00E-128	256	264	96 -	192	455	129503	129766
UN80365	Rsa1.0.00080.1	346	190437	1.00E-169	340	352	96 +	1	346	66692	67043
UN80366	Rsa1.0.00184.1	726	218748	1.00E-116	277	295	93 -	356	648	90424	90715
UN80367	Rsa1.0.02185.1	583	34150	0	366	374	97 -	2	373	27396	27769
UN80368	Rsa1.0.00370.1	606	90472	0	389	409	95 +	136	538	25553	25961
UN80369	Rsa1.0.05168.1	759	14621	0	739	765	96 -	1	758	12375	13139
UN80370	Rsa1.0.00341.1	691	249309	0	639	695	91 +	1	683	113275	113966
UN80371	Rsa1.0.01661.1	662	41400	0	360	363	99 +	301	662	14125	14486
UN80372	Rsa1.0.00960.1	672	58199	5.00E-98	185	186	99 -	295	480	15841	16026
UN80373	Rsa1.0.00387.1	519	495407	1.00E-107	214	219	97 -	108	323	392287	392505
UN80374	Rsa1.0.00104.1	439	368722	3.00E-73	224	250	89 +	192	439	348992	349239
UN80375	Rsa1.0.05961.1	415	12101	6.00E-47	116	120	96 -	292	411	932	1049
UN80376	Rsa1.0.00417.1	623	395068	1.00E-100	207	213	97 +	408	620	279138	279349
UN80377	Rsa1.0.06625.1	763	10641	3.00E-22	91	103	88 -	540	642	4932	5034

UN80378	Rsa1.0.48423.1	271	468	5.00E-77	155	158	98 +	1	158	208	365
UN80379	Rsa1.0.00175.1	657	166121	1.00E-118	230	235	97 +	307	541	151998	152232
UN80380	Rsa1.0.00909.1	727	59976	0	357	360	99 -	134	490	13054	13413
UN80381	Rsa1.0.03501.1	724	22458	1.00E-129	271	280	96 +	188	465	19302	19578
UN80382	Rsa1.0.22303.1	654	1132	0	639	653	97 +	2	654	382	1034
UN80383	Rsa1.0.01828.1	606	38681	0	574	614	93 +	2	606	36412	37025
UN80384	Rsa1.0.09173.1	761	6582	1.00E-132	281	294	95 +	3	296	1227	1512
UN80385	Rsa1.0.00119.1	535	467509	0	512	546	93 +	2	535	49023	49565
UN80386	Rsa1.0.00325.1	728	95371	1.00E-105	256	276	92 +	306	581	79215	79487
UN80387	Rsa1.0.00022.1	140	200461	2.00E-34	94	98	95 -	45	140	124362	124459
UN80388	Rsa1.0.02412.1	746	31643	0	399	415	96 +	276	688	4832	5246
UN80389	Rsa1.0.05593.1	668	13235	1.00E-171	355	372	95 +	22	393	5007	5378
UN80390	Rsa1.0.01327.1	384	48033	6.00E-53	115	118	97 -	198	315	16238	16355
UN80391	Rsa1.0.01194.1	110	51113	6.00E-19	95	110	86 -	13	109	28422	28531
UN80392	Rsa1.0.00066.1	202	152418	9.00E-66	177	190	93 +	3	191	65099	65285
UN80393	Rsa1.0.34806.1	687	650	6.00E-79	168	174	96 -	369	542	232	405
UN80394	Rsa1.0.00300.1	578	97747	0	561	591	94 -	3	578	35695	36279
UN80395	Rsa1.0.00524.1	698	169613	1.00E-100	300	328	91 +	2	317	153403	153727
UN80396	Rsa1.0.01459.1	351	45277	1.00E-131	280	293	95 -	2	294	38027	38318
UN80397	Rsa1.0.00128.1	730	228675	1.00E-107	256	271	94 -	3	270	87723	87990
UN80398	Rsa1.0.00706.1	750	291570	0	478	488	97 +	5	492	30639	31126
UN80399	Rsa1.0.01226.1	588	50316	1.00E-169	307	309	99 +	280	588	8839	9147
UN80400	Rsa1.0.11291.1	551	5555	0	543	554	98 -	1	551	1131	1684
UN80401	Rsa1.0.00149.1	631	305196	1.00E-152	362	382	94 +	252	631	102071	102443
UN80402	Rsa1.0.06747.1	647	10426	1.00E-116	292	319	91 -	241	557	9712	10016
UN80403	Rsa1.0.00180.1	701	114581	2.00E-78	180	189	95 -	499	686	8843	9031
UN80404	Rsa1.0.00608.1	289	172672	1.00E-114	267	285	93 +	5	289	111977	112255
UN80405	Rsa1.0.00084.1	511	142338	0	421	429	98 +	83	511	29371	29799
UN80406	Rsa1.0.00408.1	685	176752	0	327	328	99 +	310	637	30973	31300
UN80407	Rsa1.0.00301.1	683	365315	1.00E-143	293	305	96 -	2	306	319265	319569
UN80408	Rsa1.0.00107.1	435	431659	1.00E-171	346	360	96 +	1	360	334696	335055
UN80409	Rsa1.0.14434.1	708	3394	3.00E-96	179	179	100 -	3	181	311	489
UN80410	Rsa1.0.01230.1	762	50221	2.00E-82	159	160	99 -	450	609	21283	21442
UN80411	Rsa1.0.00919.1	479	59675	3.00E-21	71	77	92 +	227	303	33641	33717
UN80412	Rsa1.0.00131.1	610	432233	1.00E-122	248	255	97 +	113	366	429046	429300
UN80413	Rsa1.0.00185.1	666	248445	5.00E-67	186	201	92 +	3	201	886	1084
UN80414	Rsa1.0.00339.1	755	222974	0	494	511	96 -	176	686	52482	52992
UN80415	Rsa1.0.00490.1	777	186713	0	763	785	97 +	2	777	77913	78696
UN80416	Rsa1.0.00216.1	765	197563	1.00E-106	201	203	99 +	448	650	47251	47453

UN80417	Rsa1.0_25026.1	773	955	0	566	606	93 +	165	767	1	589
UN80418	Rsa1.0_01164.1	650	51934	0	335	337	99 +	315	650	48471	48807
UN80419	Rsa1.0_01675.1	686	41155	1.00E-133	298	314	94 -	1	308	9381	9694
UN80420	Rsa1.0_00526.1	654	169279	0	508	539	94 -	122	654	110900	111426
UN80421	Rsa1.0_00249.1	766	153740	0	495	515	96 -	1	512	40506	41020
UN80422	Rsa1.0_01454.1	804	45440	1.00E-92	211	217	97 +	592	804	32801	33016
UN80423	Rsa1.0_03306.1	671	23873	0	419	439	95 -	3	431	15713	16150
UN80424	Rsa1.0_11065.1	668	5628	3.00E-93	189	194	97 +	150	343	930	1123
UN80425	Rsa1.0_02036.1	726	35731	1.00E-86	181	187	96 +	125	311	6103	6289
UN80426	Rsa1.0_47812.1	504	473	9.00E-68	143	147	97 -	154	300	261	407
UN80427	Rsa1.0_06356.1	142	11178	2.00E-32	77	79	97 -	61	139	9548	9626
UN80428	Rsa1.0_02157.1	647	149652	1.00E-67	134	135	99 -	151	285	134347	134481
UN80429	Rsa1.0_02910.1	675	26843	0	674	676	99 -	1	675	23617	24292
UN80430	Rsa1.0_00123.1	797	325650	6.00E-67	139	142	97 +	190	331	47096	47237
UN80431	Rsa1.0_00048.1	758	167185	1.00E-154	325	340	95 +	2	340	34608	34947
UN80432	Rsa1.0_00026.1	774	327835	0	660	707	93 +	71	773	163507	164198
UN80433	#	#	#	#	#	#	#	#	#	#	#
UN80434	Rsa1.0_00565.1	635	75420	0	618	634	97 +	2	635	62674	63307
UN80435	Rsa1.0_08102.1	672	7901	0	454	472	96 -	3	473	7281	7752
UN80436	Rsa1.0_08303.1	650	7574	0	363	372	97 +	275	646	3069	3440
UN80437	Rsa1.0_00032.1	692	306326	0	664	688	96 -	2	688	270886	271573
UN80438	Rsa1.0_00010.1	609	294827	1.00E-144	311	327	95 +	2	326	115045	115371
UN80439	Rsa1.0_00677.1	618	69159	0	605	628	96 +	1	618	45165	45792
UN80440	Rsa1.0_00928.1	758	59293	0	707	716	98 -	5	719	9856	10571
UN80441	Rsa1.0_00664.1	655	69573	6.00E-82	158	159	99 +	2	160	48502	48660
UN80442	Rsa1.0_04332.1	677	17869	0	619	648	95 -	30	677	16574	17215
UN80443	Rsa1.0_03111.1	652	25327	0	596	604	98 -	51	652	5812	6415
UN80444	Rsa1.0_21164.1	711	1229	1.00E-125	316	343	92 +	379	711	836	1171
UN80445	Rsa1.0_00914.1	720	59880	1.00E-119	238	244	97 -	8	248	22842	23085
UN80446	Rsa1.0_01825.1	639	38725	1.00E-149	331	349	94 -	110	451	16950	17295
UN80447	Rsa1.0_03981.1	753	19724	0	484	508	95 -	244	750	14959	15464
UN80448	Rsa1.0_01728.1	749	40239	0	596	617	96 +	134	749	1770	2386
UN80449	Rsa1.0_00288.1	550	98659	3.00E-89	183	188	97 -	1	188	55765	55948
UN80450	Rsa1.0_00341.1	605	249309	6.00E-57	128	133	96 -	175	307	127846	127978
UN80451	Rsa1.0_00622.1	151	71822	2.00E-35	92	95	96 -	25	119	26898	26989
UN80452	Rsa1.0_01442.1	402	45776	0	397	411	96 -	1	402	4704	5114
UN80453	Rsa1.0_00218.1	654	201480	0	545	566	96 -	1	566	181139	181704
UN80454	Rsa1.0_00002.1	665	601661	1.00E-120	360	402	89 +	270	661	181130	181530
UN80455	Rsa1.0_02995.1	760	26163	0	575	633	90 +	128	756	9832	10463

UN80456	Rsa1.0.09011.1	699	6711	0	467	469	99 -	3	471	1	469
UN80457	Rsa1.0.02274.1	597	33109	0	585	595	98 -	1	594	19739	20332
UN80458	Rsa1.0.00246.1	699	103541	0	656	682	96 -	3	681	71561	72242
UN80459	Rsa1.0.16486.1	706	2139	1.00E-111	236	247	95 -	460	706	507	747
UN80460	Rsa1.0.02228.1	734	33688	0	689	743	92 +	3	734	401	1130
UN80461	Rsa1.0.00829.1	724	158305	1.00E-114	248	261	95 -	345	605	49059	49319
UN80462	Rsa1.0.00075.1	602	146680	0	433	457	94 -	147	602	128517	128969
UN80463	Rsa1.0.00744.1	215	66084	5.00E-86	212	221	95 -	1	215	34317	34537
UN80464	Rsa1.0.00108.1	614	478491	0	571	596	95 -	25	614	271791	272386
UN80465	Rsa1.0.00087.1	674	761073	2.00E-51	107	108	99 -	213	320	746355	746462
UN80466	Rsa1.0.00119.1	654	467509	1.00E-160	390	426	91 -	3	404	47686	48111
UN80467	Rsa1.0.02085.1	732	35198	0	643	718	89 -	2	704	18373	19055
UN80468	Rsa1.0.00045.1	675	328694	2.00E-85	170	173	98 +	130	302	12393	12565
UN80469	Rsa1.0.06141.1	779	11644	1.00E-178	404	433	93 -	282	695	8012	8444
UN80470	Rsa1.0.06912.1	783	10177	1.00E-108	200	200	100 +	5	204	1714	1913
UN80471	Rsa1.0.08909.1	465	6799	2.00E-77	240	265	90 +	207	461	5389	5646
UN80472	Rsa1.0.00092.1	486	659932	1.00E-110	246	258	95 +	163	419	40989	41245
UN80473	Rsa1.0.01489.1	528	44764	0	525	527	99 +	2	528	20918	21443
UN80474	Rsa1.0.02231.1	334	33661	1.00E-84	217	237	91 -	115	334	33349	33585
UN80475	Rsa1.0.00119.1	389	467509	1.00E-148	291	299	97 -	6	304	120331	120626
UN80476	Rsa1.0.00327.1	683	94892	8.00E-69	143	145	98 -	86	229	27389	27533
UN80477	Rsa1.0.00496.1	279	79834	1.00E-90	208	221	94 +	2	222	56211	56431
UN80478	Rsa1.0.08039.1	667	8030	0	355	359	98 -	46	401	4542	4900
UN80479	#	#	#	#	#	#	#	#	#	#	#
UN80480	Rsa1.0.02185.1	660	34150	0	591	610	96 -	3	609	27396	27997
UN80481	Rsa1.0.00382.1	709	251946	0	684	708	96 -	3	709	108870	109577
UN80482	Rsa1.0.02526.1	774	30479	0	767	774	99 +	3	774	8665	9438
UN80483	Rsa1.0.00144.1	755	120708	0	687	707	97 +	8	711	63828	64533
UN80484	Rsa1.0.00951.1	734	164588	0	553	582	95 +	156	734	7261	7842
UN80485	Rsa1.0.07185.1	816	9772	1.00E-145	321	340	94 +	59	396	7324	7663
UN80486	#	#	#	#	#	#	#	#	#	#	#
UN80487	Rsa1.0.00001.1	723	363028	6.00E-73	202	220	91 -	7	219	255791	256010
UN80488	Rsa1.0.03193.1	775	24690	0	536	561	95 -	2	556	21087	21638
UN80489	Rsa1.0.00114.1	505	131330	0	472	488	96 +	3	479	53524	54011
UN80490	Rsa1.0.12205.1	519	5289	1.00E-115	231	238	97 -	282	519	397	634
UN80491	Rsa1.0.01027.1	712	56402	0	675	707	95 -	7	711	40453	41159
UN80492	Rsa1.0.02237.1	802	33544	0	385	397	96 +	318	714	17873	18269
UN80493	Rsa1.0.00211.1	718	228189	3.00E-90	184	188	97 -	109	294	147827	148014
UN80494	Rsa1.0.00427.1	632	189678	2.00E-51	116	120	96 -	291	410	39945	40064

UN80495	Rsa1.0.00328.1	763	224661	1.00E-103	210	215	97 -	214	428	144259	144472
UN80496	Rsa1.0.04407.1	728	17504	0	706	730	96 -	1	728	12433	13158
UN80497	Rsa1.0.00410.1	660	86957	0	443	456	97 +	3	458	42089	42544
UN80498	Rsa1.0.03307.1	614	23872	1.00E-79	174	181	96 +	172	349	16139	16319
UN80499	Rsa1.0.04515.1	612	17021	0	594	614	96 +	1	612	1295	1908
UN80500	Rsa1.0.01115.1	775	183545	5.00E-92	181	184	98 -	567	750	156423	156606
UN80501	Rsa1.0.00009.1	815	232558	0	405	426	95 +	12	431	6438	6860
UN80502	Rsa1.0.02655.1	431	29027	1.00E-130	280	294	95 -	1	291	13789	14082
UN80503	Rsa1.0.03722.1	687	21184	0	486	515	94 +	3	517	19983	20495
UN80504	Rsa1.0.38721.1	595	581	1.00E-140	255	256	99 +	38	293	326	581
UN80505	Rsa1.0.00058.1	182	159921	2.00E-66	168	180	93 +	2	178	117148	117324
UN80506	Rsa1.0.02411.1	676	31655	1.00E-159	308	316	97 -	3	318	25654	25969
UN80507	Rsa1.0.00437.1	726	84879	5.00E-58	124	127	97 -	256	382	15044	15170
UN80508	Rsa1.0.03754.1	614	21005	1.00E-161	303	308	98 +	307	614	15596	15903
UN80509	Rsa1.0.01005.1	417	56967	1.00E-102	188	188	100 +	144	331	49026	49213
UN80510	Rsa1.0.01488.1	688	44766	1.00E-100	223	236	94 -	144	370	30415	30647
UN80511	Rsa1.0.00121.1	659	278029	1.00E-164	316	323	97 +	337	659	54300	54619
UN80512	Rsa1.0.00037.1	646	307838	5.00E-64	146	153	95 -	365	517	237313	237465
UN80513	Rsa1.0.00078.1	763	175053	0	458	459	99 -	40	497	41422	41880
UN80514	Rsa1.0.00196.1	771	109960	0	596	611	97 +	161	765	90120	90730
UN80515	Rsa1.0.00231.1	634	105381	0	633	634	99 -	1	634	23664	24296
UN80516	Rsa1.0.00336.1	741	445051	3.00E-93	186	190	97 -	75	264	163125	163314
UN80517	Rsa1.0.00593.1	435	143463	0	412	438	94 +	7	435	141785	142222
UN80518	Rsa1.0.26764.1	771	879	1.00E-143	260	261	99 -	410	670	619	879
UN80519	Rsa1.0.07560.1	488	9129	0	465	488	95 -	2	488	8012	8497
UN80520	Rsa1.0.00060.1	731	502678	0	706	735	96 +	2	730	484703	485434
UN80521	Rsa1.0.01742.1	564	39962	0	498	523	95 +	1	523	19962	20484
UN80522	Rsa1.0.00165.1	345	116466	1.00E-167	307	309	99 -	37	345	11463	11770
UN80523	Rsa1.0.01696.1	696	301850	0	654	715	91 -	2	696	28130	28832
UN80524	Rsa1.0.09419.1	371	6383	1.00E-161	356	374	95 -	3	371	5482	5854
UN80525	Rsa1.0.02480.1	533	31036	1.00E-107	254	270	94 -	3	265	27048	27312
UN80526	Rsa1.0.00772.1	759	64856	0	386	402	96 +	365	759	28598	28998
UN80527	Rsa1.0.06303.1	753	11268	1.00E-114	237	246	96 -	184	429	9882	10127
UN80528	Rsa1.0.20326.1	767	1317	1.00E-114	252	266	94 +	18	277	297	558
UN80529	Rsa1.0.00107.1	746	431659	0	470	494	95 -	233	722	14794	15287
UN80530	Rsa1.0.00920.1	671	601703	0	632	660	95 -	28	671	13984	14643
UN80531	Rsa1.0.53341.1	737	427	7.00E-88	168	169	99 +	322	490	147	315
UN80532	Rsa1.0.02148.1	564	34610	1.00E-106	226	236	95 -	138	373	25637	25872
UN80533	Rsa1.0.00251.1	720	303968	3.00E-81	175	182	96 -	284	465	113349	113530

UN80534	Rsa1.0_14114.1	785	3792	0	577	607	95 -	15	618	2499	3096
UN80535	Rsa1.0_02871.1	104	27085	3.00E-30	79	83	95 +	19	101	4736	4818
UN80536	Rsa1.0_01168.1	771	153765	0	730	783	93 +	2	771	20908	21690
UN80537	Rsa1.0_00940.1	735	179946	0	657	762	86 +	2	735	41328	42063
UN80538	Rsa1.0_03015.1	656	26006	1.00E-155	372	406	91 +	260	653	12215	12620
UN80539	Rsa1.0_15164.1	558	2786	2.00E-93	204	214	95 -	343	556	2017	2230
UN80540	Rsa1.0_07377.1	605	9494	1.00E-180	352	363	96 +	95	457	5175	5537
UN80541	Rsa1.0_02981.1	213	26285	1.00E-58	133	139	95 -	1	139	24725	24863
UN80542	Rsa1.0_00120.1	770	277288	0	372	374	99 -	385	756	272483	272856
UN80543	Rsa1.0_03491.1	552	22541	1.00E-140	366	404	90 -	1	404	9065	9468
UN80544	Rsa1.0_00258.1	793	102381	2.00E-79	151	151	100 -	460	610	45890	46040
UN80545	Rsa1.0_11825.1	664	5396	0	641	656	97 -	5	660	3758	4410
UN80546	Rsa1.0_06189.1	742	11525	1.00E-118	246	254	96 -	230	481	11274	11525
UN80547	Rsa1.0_03807.1	805	20740	0	756	793	95 +	1	786	16226	17018
UN80548	Rsa1.0_02299.1	664	32857	1.00E-154	294	300	98 -	120	419	1599	1898
UN80549	Rsa1.0_02004.1	705	169138	0	435	452	96 +	254	705	168039	168490
UN80550	Rsa1.0_00083.1	631	442773	0	619	630	98 -	2	631	437945	438574
UN80551	Rsa1.0_00113.1	756	131574	1.00E-168	378	397	95 -	360	753	71660	72050
UN80552	Rsa1.0_00875.1	787	61371	3.00E-84	183	191	95 +	402	592	18473	18663
UN80553	Rsa1.0_00087.1	744	761073	1.00E-105	194	194	100 -	41	234	292665	292858
UN80554	Rsa1.0_31685.1	679	721	1.00E-103	193	194	99 -	392	585	515	708
UN80555	Rsa1.0_00872.1	745	61495	1.00E-101	216	224	96 +	3	225	27701	27920
UN80556	Rsa1.0_01917.1	718	37303	1.00E-167	448	492	91 -	164	645	17774	18263
UN80557	Rsa1.0_00197.1	628	109714	0	423	426	99 -	146	571	73904	74328
UN80558	Rsa1.0_00423.1	787	86138	1.00E-177	324	327	99 -	342	668	72588	72914
UN80559	Rsa1.0_00069.1	769	403561	0	743	770	96 -	3	769	29772	30541
UN80560	Rsa1.0_00556.1	698	207212	0	668	701	95 +	3	694	43742	44438
UN80561	Rsa1.0_02883.1	795	27035	2.00E-73	173	183	94 -	128	307	10115	10297
UN80562	Rsa1.0_01064.1	470	55295	0	413	436	94 +	43	469	38358	38783
UN80563	Rsa1.0_05669.1	703	12993	0	681	705	96 -	2	700	10663	11359
UN80564	Rsa1.0_00837.1	545	62568	0	437	437	100 -	109	545	47631	48067
UN80565	Rsa1.0_00737.1	733	66432	1.00E-159	322	333	96 +	211	537	1290	1622
UN80566	Rsa1.0_00016.1	694	831256	0	368	373	98 +	1	372	760218	760590
UN80567	Rsa1.0_00538.1	608	77149	0	558	616	90 -	1	608	25111	25711
UN80568	Rsa1.0_00476.1	755	280966	1.00E-128	256	264	96 -	3	266	218202	218465
UN80569	Rsa1.0_11545.1	720	5474	0	536	583	91 +	30	592	4900	5474
UN80570	Rsa1.0_04892.1	728	15573	0	471	518	90 -	142	635	10948	11465
UN80571	Rsa1.0_02646.1	771	29123	0	593	641	92 +	2	642	13867	14507
UN80572	Rsa1.0_01401.1	792	142441	1.00E-135	254	257	98 +	398	654	30565	30821

UN80573	Rsa1.0_00309.1	684	96883	1.00E-92	204	213	95 -	114	325	66985	67197
UN80574	Rsa1.0_03233.1	732	24446	0	709	732	96 -	1	732	21133	21864
UN80575	Rsa1.0_19203.1	632	1465	4.00E-86	180	186	96 +	261	446	221	406
UN80576	Rsa1.0_02236.1	825	33558	0	442	460	96 -	1	459	14207	14666
UN80577	Rsa1.0_05864.1	195	12387	1.00E-33	93	97	95 -	90	185	10070	10165
UN80578	#	#	#	#	#	#	#	#	#	#	#
UN80579	Rsa1.0_01171.1	560	51752	1.00E-91	290	324	89 -	243	560	51043	51354
UN80580	Rsa1.0_02817.1	769	27644	0	767	772	99 -	1	769	9731	10502
UN80581	Rsa1.0_00077.1	730	145005	1.00E-170	351	367	95 -	283	649	137240	137606
UN80582	Rsa1.0_14302.1	688	3558	1.00E-153	350	370	94 +	326	688	1428	1795
UN80583	Rsa1.0_01680.1	752	41122	4.00E-37	113	124	91 +	434	557	20389	20512
UN80584	Rsa1.0_01540.1	256	151890	1.00E-113	243	254	95 -	3	256	143534	143786
UN80585	Rsa1.0_00517.1	634	142790	1.00E-159	325	337	96 +	295	631	105182	105517
UN80586	Rsa1.0_01199.1	551	163576	1.00E-109	218	224	97 -	328	551	153489	153712
UN80587	Rsa1.0_36141.1	662	625	1.00E-174	312	313	99 -	141	453	313	625
UN80588	Rsa1.0_05628.1	723	13130	0	384	393	97 -	2	394	2577	2969
UN80589	Rsa1.0_31821.1	668	717	1.00E-104	259	276	93 -	199	469	329	599
UN80590	Rsa1.0_13663.1	725	4540	1.00E-73	150	153	98 -	388	540	355	507
UN80591	Rsa1.0_00067.1	562	415055	2.00E-69	146	150	97 +	123	272	164942	165091
UN80592	Rsa1.0_01484.1	679	44806	1.00E-135	256	260	98 +	94	353	20037	20296
UN80593	Rsa1.0_27162.1	588	863	2.00E-41	96	99	96 -	151	249	506	604
UN80594	Rsa1.0_00112.1	642	132199	0	497	507	98 -	3	509	89613	90119
UN80595	Rsa1.0_00827.1	785	62790	0	425	449	94 -	308	753	22691	23118
UN80596	Rsa1.0_01021.1	451	56610	2.00E-43	244	291	83 +	73	354	24758	25045
UN80597	Rsa1.0_03134.1	711	145023	1.00E-175	347	359	96 +	300	658	2329	2687
UN80598	Rsa1.0_01257.1	685	49766	1.00E-138	262	265	98 +	176	438	36829	37093
UN80599	Rsa1.0_02680.1	214	28721	2.00E-97	204	212	96 -	3	214	15540	15751
UN80600	Rsa1.0_01198.1	681	51029	0	640	691	92 +	2	674	10036	10724
UN80601	Rsa1.0_02609.1	727	29600	1.00E-117	221	223	99 +	418	640	20610	20832
UN80602	Rsa1.0_03735.1	708	21087	0	511	531	96 +	135	662	3647	4177
UN80603	Rsa1.0_00286.1	539	98709	1.00E-158	294	297	98 +	246	539	29363	29659
UN80604	Rsa1.0_06575.1	754	10732	0	443	445	99 -	2	446	9504	9948
UN80605	Rsa1.0_00201.1	545	232851	1.00E-159	316	328	96 -	227	545	43092	43419
UN80606	Rsa1.0_00017.1	655	752458	1.00E-104	204	208	98 -	318	525	276875	277082
UN80607	Rsa1.0_00009.1	749	232558	0	581	609	95 +	5	609	121501	122097
UN80608	Rsa1.0_00202.1	653	185895	1.00E-113	237	246	96 +	64	306	7683	7928
UN80609	Rsa1.0_00339.1	676	222974	0	425	444	95 +	233	676	88569	89012
UN80610	Rsa1.0_06455.1	332	10983	2.00E-24	61	62	98 -	271	332	9649	9710
UN80611	Rsa1.0_02593.1	717	29744	3.00E-93	189	194	97 -	524	717	5217	5410

UN80612	Rsa1.0_00283.1	598	183797	0	428	431	99 +	168	598	66296	66726
UN80613	Rsa1.0_20222.1	608	1326	0	388	404	96 +	205	608	1	404
UN80614	Rsa1.0_00237.1	322	235974	1.00E-167	316	322	98 -	1	322	34868	35189
UN80615	Rsa1.0_00287.1	643	98687	1.00E-110	221	226	97 -	418	643	65400	65623
UN80616	Rsa1.0_00040.1	291	324196	5.00E-96	216	226	95 +	65	289	265642	265866
UN80617	Rsa1.0_00377.1	767	90038	1.00E-137	331	355	93 -	430	767	55468	55820
UN80618	Rsa1.0_06443.1	773	11008	1.00E-120	256	268	95 -	466	733	6287	6554
UN80619	Rsa1.0_01263.1	500	49703	3.00E-80	158	160	98 +	72	231	39811	39970
UN80620	Rsa1.0_00010.1	650	294827	1.00E-113	255	271	94 -	277	547	259398	259668
UN80621	Rsa1.0_02532.1	685	30403	0	465	480	96 +	206	685	26787	27266
UN80622	Rsa1.0_04081.1	768	19193	1.00E-178	330	333	99 +	1	332	9696	10028
UN80623	Rsa1.0_00396.1	555	88242	0	435	446	97 +	3	447	4203	4646
UN80624	Rsa1.0_00355.1	284	92038	1.00E-121	235	240	97 -	45	284	77924	78163
UN80625	Rsa1.0_00065.1	578	454616	0	390	413	94 -	3	406	445009	445421
UN80626	Rsa1.0_01016.1	759	181422	0	560	590	94 +	170	759	155897	156486
UN80627	Rsa1.0_02155.1	711	34522	3.00E-90	205	217	94 +	4	220	6299	6515
UN80628	Rsa1.0_00547.1	714	76521	0	695	734	94 -	2	714	56129	56852
UN80629	Rsa1.0_00198.1	120	222963	2.00E-31	72	73	98 -	1	73	156896	156968
UN80630	Rsa1.0_00679.1	728	68971	2.00E-69	146	150	97 -	579	728	65951	66100
UN80631	Rsa1.0_00549.1	767	76473	0	575	596	96 -	132	718	42435	43027
UN80632	Rsa1.0_04602.1	781	16684	1.00E-137	339	367	92 -	2	365	13650	14007
UN80633	Rsa1.0_00127.1	673	127446	0	604	628	96 -	46	673	103029	103656
UN80634	Rsa1.0_02460.1	626	31169	0	606	632	95 -	3	626	6442	7071
UN80635	Rsa1.0_00053.1	135	263459	4.00E-39	134	142	94 +	1	135	138897	139038
UN80636	Rsa1.0_00369.1	221	266462	1.00E-105	213	219	97 -	3	221	10203	10417
UN80637	Rsa1.0_10701.1	100	5752	4.00E-35	94	99	94 -	3	100	2041	2139
UN80638	Rsa1.0_01549.1	706	43543	0	407	425	95 -	267	691	7747	8159
UN80639	Rsa1.0_00694.1	598	68074	1.00E-149	292	300	97 +	159	458	26247	26546
UN80640	#	#	#	#	#	#	#	#	#	#	#
UN80641	Rsa1.0_01192.1	431	51150	5.00E-69	178	191	93 -	151	340	36316	36503
UN80642	Rsa1.0_01005.1	765	56967	0	670	679	98 +	75	753	27117	27795
UN80643	Rsa1.0_00459.1	742	82580	6.00E-70	165	174	94 +	251	422	19383	19556
UN80644	Rsa1.0_01844.1	706	38421	0	454	460	98 +	107	565	8409	8868
UN80645	Rsa1.0_55799.1	723	409	0	394	408	96 -	3	404	1	408
UN80646	Rsa1.0_01560.1	638	43256	1.00E-177	342	351	97 +	2	352	22615	22965
UN80647	Rsa1.0_00045.1	432	328694	0	429	433	99 -	3	432	192823	193255
UN80648	Rsa1.0_00592.1	754	73788	0	379	395	95 -	73	467	62638	63032
UN80649	Rsa1.0_00083.1	772	442773	0	506	530	95 +	224	748	319657	320183
UN80650	Rsa1.0_03554.1	667	22137	0	646	666	96 +	1	666	10362	11018

UN80651	Rsa1.0.07679.1	767	8811	2.00E-76	153	154	99 +	349	501	8506	8659
UN80652	Rsa1.0.00182.1	214	142305	2.00E-39	83	83	100 -	8	90	99601	99683
UN80653	Rsa1.0.08740.1	698	6980	0	509	522	97 -	17	535	3120	3640
UN80654	Rsa1.0.01182.1	669	167304	7.00E-94	191	195	97 -	467	661	866	1059
UN80655	Rsa1.0.00182.1	595	142305	0	447	461	96 +	135	595	94201	94661
UN80656	Rsa1.0.01972.1	662	36634	0	535	579	92 +	79	657	1226	1795
UN80657	Rsa1.0.00491.1	712	80219	0	419	445	94 +	271	712	35508	35948
UN80658	Rsa1.0.01610.1	712	42274	0	606	639	94 -	73	711	19022	19660
UN80659	Rsa1.0.01397.1	592	183276	0	590	592	99 +	1	592	16319	16910
UN80660	Rsa1.0.00978.1	514	57739	1.00E-153	314	327	96 +	5	331	38499	38825
UN80661	Rsa1.0.00040.1	661	324196	0	636	662	96 -	2	661	62185	62845
UN80662	Rsa1.0.39342.1	728	572	0	514	522	98 +	1	522	51	572
UN80663	Rsa1.0.01474.1	521	45070	2.00E-99	184	184	100 +	178	361	21227	21410
UN80664	Rsa1.0.01863.1	649	38010	1.00E-180	343	348	98 +	243	588	25327	25674
UN80665	Rsa1.0.03027.1	726	25883	3.00E-68	147	152	96 -	62	213	6436	6587
UN80666	Rsa1.0.00457.1	758	337301	0	713	754	94 -	2	742	161588	162337
UN80667	Rsa1.0.32130.1	171	709	3.00E-28	74	76	97 +	97	171	525	600
UN80668	Rsa1.0.00905.1	595	60110	0	514	539	95 -	15	553	19296	19820
UN80669	Rsa1.0.04251.1	378	18263	1.00E-108	205	207	99 +	2	208	10345	10551
UN80670	Rsa1.0.00323.1	787	159650	0	759	803	94 -	1	787	36899	37701
UN80671	Rsa1.0.00360.1	745	91190	8.00E-94	223	234	95 +	512	741	45386	45618
UN80672	Rsa1.0.00528.1	780	164755	1.00E-180	662	771	85 +	9	776	148379	149148
UN80673	Rsa1.0.01149.1	646	160459	1.00E-129	371	416	89 -	161	551	25295	25706
UN80674	Rsa1.0.12292.1	644	5263	1.00E-11	52	57	91 -	358	414	3838	3894
UN80675	Rsa1.0.00124.1	795	262503	1.00E-153	304	311	97 +	452	761	245339	245648
UN80676	Rsa1.0.00514.1	734	78421	1.00E-122	226	227	99 +	2	228	62057	62283
UN80677	Rsa1.0.10881.1	800	5691	0	765	817	93 +	24	797	3848	4664
UN80678	Rsa1.0.00857.1	658	61904	1.00E-129	250	255	98 +	3	257	27159	27413
UN80679	Rsa1.0.01798.1	739	173909	1.00E-126	254	262	96 +	2	263	2796	3057
UN80680	Rsa1.0.03645.1	765	21599	3.00E-84	162	163	99 -	321	483	12595	12757
UN80681	Rsa1.0.01535.1	562	43750	0	368	381	96 +	182	562	23629	24009
UN80682	Rsa1.0.00409.1	812	146788	0	659	662	99 +	3	664	107451	108112
UN80683	Rsa1.0.02605.1	686	29637	1.00E-107	296	325	91 +	1	313	5809	6131
UN80684	Rsa1.0.02592.1	406	29751	0	389	398	97 +	3	398	6014	6410
UN80685	Rsa1.0.00758.1	783	65477	0	748	776	96 -	1	764	36583	37358
UN80686	Rsa1.0.00881.1	674	61260	0	408	433	94 +	241	673	18614	19046
UN80687	Rsa1.0.30291.1	659	758	0	331	334	99 +	51	384	49	382
UN80688	Rsa1.0.01682.1	787	41090	1.00E-128	291	307	94 +	422	726	10171	10475
UN80689	Rsa1.0.00014.1	566	348985	0	490	506	96 +	62	566	279240	279742

UN80690	Rsa1.0.01773.1	779	39546	0	716	765	93 +	30	779	17250	18009
UN80691	Rsa1.0.00211.1	788	228189	1.00E-134	260	266	97 +	225	490	200351	200616
UN80692	Rsa1.0.02707.1	782	28520	0	564	580	97 +	3	582	13826	14405
UN80693	Rsa1.0.02085.1	607	35198	4.00E-58	121	123	98 +	120	242	16346	16468
UN80694	Rsa1.0.00645.1	623	189716	1.00E-139	273	279	97 -	3	280	11246	11524
UN80695	Rsa1.0.00211.1	456	228189	0	429	455	94 +	4	454	140050	140504
UN80696	Rsa1.0.00577.1	742	174827	1.00E-86	183	187	97 +	3	189	116900	117084
UN80697	Rsa1.0.00427.1	726	189678	0	449	463	96 -	2	464	24692	25151
UN80698	Rsa1.0.00356.1	778	91521	1.00E-106	224	232	96 +	5	236	29542	29772
UN80699	Rsa1.0.01442.1	580	45776	0	415	433	95 -	145	577	16804	17236
UN80700	Rsa1.0.00798.1	600	63945	0	568	601	94 +	2	600	42855	43437
UN80701	Rsa1.0.64894.1	683	353	2.33E-156	280	286	97 -	29	314	1	286
UN80702	Rsa1.0.14210.1	711	3660	1.00E-109	206	208	99 +	504	711	654	861
UN80703	Rsa1.0.03188.1	710	24722	0	706	712	99 -	2	710	21090	21801
UN80704	Rsa1.0.00329.1	788	222544	1.00E-121	233	237	98 +	241	477	19586	19822
UN80705	Rsa1.0.03572.1	599	146346	0	580	611	94 -	3	599	131055	131661
UN80706	Rsa1.0.18395.1	684	1607	0	528	560	94 +	3	562	1061	1607
UN80707	Rsa1.0.30381.1	661	755	0	560	563	99 -	96	657	193	755
UN80708	Rsa1.0.07880.1	666	8369	1.00E-120	220	220	100 +	447	666	7317	7536
UN80709	Rsa1.0.01539.1	380	43698	8.00E-40	84	84	100 -	72	155	5827	5910
UN80710	Rsa1.0.04033.1	683	19481	0	418	427	97 -	59	485	9206	9632
UN80711	Rsa1.0.00214.1	569	107508	1.00E-45	106	110	96 +	306	415	14490	14599
UN80712	Rsa1.0.01749.1	722	39822	0	408	416	98 +	308	722	7472	7884
UN80713	Rsa1.0.01806.1	718	39021	2.00E-66	135	137	98 -	1	137	32378	32514
UN80714	Rsa1.0.00167.1	702	116000	0	673	702	95 -	2	702	111865	112560
UN80715	Rsa1.0.02666.1	267	28915	1.00E-80	209	224	93 +	10	226	22817	23039
UN80716	Rsa1.0.23658.1	508	1033	0	449	482	93 +	1	479	134	615
UN80717	Rsa1.0.01961.1	272	36761	1.00E-152	272	272	100 +	1	272	25069	25340
UN80718	#	#	#	#	#	#	#	#	#	#	#
UN80719	Rsa1.0.02748.1	766	28242	0	744	761	97 +	5	763	17503	18263
UN80720	Rsa1.0.00205.1	759	193401	1.00E-179	383	401	95 +	37	431	180465	180862
UN80721	Rsa1.0.00876.1	706	61328	1.00E-157	305	313	97 +	3	315	44787	45099
UN80722	Rsa1.0.06734.1	584	10445	0	578	583	99 +	2	584	9344	9926
UN80723	Rsa1.0.01153.1	647	52264	0	628	647	97 +	2	647	49062	49708
UN80724	Rsa1.0.00066.1	601	152418	1.00E-118	219	220	99 -	207	426	147736	147955
UN80725	Rsa1.0.03790.1	707	20844	0	655	700	93 +	2	700	1564	2263
UN80726	Rsa1.0.00050.1	781	237174	1.00E-114	225	230	97 +	229	458	31291	31520
UN80727	Rsa1.0.37342.1	707	604	1.00E-166	347	364	95 +	2	365	85	448
UN80728	Rsa1.0.00651.1	651	247766	0	600	648	92 +	2	645	202838	203479

UN80729	Rsa1.0_14575.1	585	3251	1.00E-166	411	445	92 +	3	445	742	1176
UN80730	Rsa1.0_07692.1	741	132338	0	549	597	91 +	164	741	130735	131317
UN80731	Rsa1.0_00564.1	677	75428	8.00E-72	141	142	99 +	66	207	66663	66804
UN80732	Rsa1.0_00088.1	705	141341	1.00E-156	302	309	97 +	3	311	61089	61393
UN80733	Rsa1.0_62931.1	772	364	0	358	364	98 +	194	557	1	364
UN80734	Rsa1.0_00654.1	527	70012	1.00E-125	345	379	91 +	1	377	40143	40513
UN80735	Rsa1.0_01027.1	718	56402	0	590	621	95 -	104	718	17838	18458
UN80736	Rsa1.0_02667.1	554	28910	9.00E-59	192	220	87 +	347	548	22757	22976
UN80737	Rsa1.0_00007.1	739	239325	1.00E-177	320	322	99 +	418	739	53387	53708
UN80738	Rsa1.0_02097.1	723	35036	1.00E-136	249	250	99 +	287	536	14535	14784
UN80739	Rsa1.0_04411.1	545	142979	0	393	411	95 -	135	545	138212	138622
UN80740	Rsa1.0_01175.1	657	51674	1.00E-102	277	301	92 -	367	656	36004	36301
UN80741	Rsa1.0_00476.1	752	280966	1.00E-177	329	334	98 -	100	433	260832	261165
UN80742	Rsa1.0_02110.1	507	34919	1.00E-104	211	217	97 -	295	507	26302	26518
UN80743	Rsa1.0_00335.1	524	94371	2.00E-69	149	154	96 +	12	165	28538	28691
UN80744	Rsa1.0_01947.1	677	36977	0	646	681	94 +	3	677	21477	22150
UN80745	Rsa1.0_00006.1	703	396176	1.00E-154	382	411	92 +	7	407	286324	286728
UN80746	Rsa1.0_00041.1	726	186197	5.00E-24	87	96	90 +	134	229	113912	114004
UN80747	Rsa1.0_36504.1	739	618	5.00E-61	129	132	97 +	19	150	481	612
UN80748	Rsa1.0_02281.1	757	292576	0	567	595	95 +	42	632	14503	15094
UN80749	Rsa1.0_03264.1	706	145959	0	666	696	95 +	3	696	125094	125777
UN80750	Rsa1.0_00191.1	680	316976	1.00E-120	228	231	98 +	185	415	179051	179281
UN80751	Rsa1.0_00036.1	527	176186	1.00E-166	339	352	96 +	17	368	171557	171907
UN80752	Rsa1.0_00001.1	623	363028	1.00E-122	234	238	98 +	226	463	13063	13300
UN80753	Rsa1.0_54751.1	535	417	1.00E-114	218	221	98 -	315	535	197	417
UN80754	Rsa1.0_00117.1	481	213118	5.00E-94	193	199	96 +	283	481	177370	177568
UN80755	Rsa1.0_00247.1	712	103408	0	637	660	96 +	59	712	76823	77481
UN80756	Rsa1.0_00383.1	696	398431	2.00E-79	169	175	96 -	386	560	285568	285742
UN80757	Rsa1.0_02287.1	801	32986	0	583	603	96 +	201	801	23412	24014
UN80758	Rsa1.0_03613.1	602	21773	0	590	605	97 -	2	602	19534	20135
UN80759	Rsa1.0_00398.1	638	88007	0	352	362	97 +	277	638	62692	63053
UN80760	Rsa1.0_11355.1	789	5535	0	446	474	94 -	13	486	1022	1490
UN80761	Rsa1.0_18391.1	664	1608	1.00E-100	245	263	93 -	1	249	1270	1531
UN80762	Rsa1.0_00175.1	630	166121	0	415	434	95 -	197	630	68012	68438
UN80763	Rsa1.0_00649.1	436	70263	1.00E-137	385	436	88 -	1	436	15184	15594
UN80764	Rsa1.0_02296.1	450	32920	1.00E-176	337	344	97 -	97	438	17251	17594
UN80765	Rsa1.0_00128.1	752	228675	0	748	753	99 -	2	752	161385	162136
UN80766	Rsa1.0_07358.1	495	9516	0	475	516	92 +	1	494	1896	2409
UN80767	Rsa1.0_23867.1	602	1021	1.00E-172	398	428	92 -	178	594	597	1021

UN80768	Rsa1.0.01448.1	274	45645	1.00E-121	263	276	95 +	1	274	20893	21168
UN80769	Rsa1.0.00128.1	638	228675	1.00E-154	377	406	92 +	11	404	200479	200880
UN80770	Rsa1.0.02709.1	223	28513	9.00E-63	134	138	97 +	1	138	26803	26940
UN80771	Rsa1.0.00863.1	130	254535	1.00E-51	118	123	95 +	3	125	239562	239684
UN80772	Rsa1.0.02680.1	700	28721	0	667	706	94 +	7	700	19082	19785
UN80773	Rsa1.0.01427.1	436	46083	0	427	436	97 -	1	435	36964	37399
UN80774	Rsa1.0.00111.1	730	390088	0	678	723	93 -	22	730	60686	61400
UN80775	Rsa1.0.03884.1	777	20274	0	444	465	95 -	1	465	19654	20107
UN80776	Rsa1.0.52240.1	794	436	0	434	436	99 -	282	717	1	436
UN80777	Rsa1.0.06869.1	194	10234	1.00E-36	84	86	97 -	3	88	276	361
UN80778	Rsa1.0.42601.1	540	527	1.00E-133	308	326	94 -	2	325	33	353
UN80779	Rsa1.0.00308.1	380	96915	1.00E-103	241	259	93 -	1	250	76598	76856
UN80780	Rsa1.0.00694.1	610	68074	0	606	610	99 -	1	610	27111	27720
UN80781	Rsa1.0.00204.1	249	109056	8.00E-42	151	175	86 +	1	172	47145	47304
UN80782	Rsa1.0.01029.1	752	256254	0	420	441	95 -	1	438	2337	2771
UN80783	Rsa1.0.03695.1	785	21329	0	425	448	94 +	1	430	9680	10125
UN80784	Rsa1.0.00170.1	653	179538	0	374	384	97 +	1	384	42273	42656
UN80785	Rsa1.0.02606.1	716	29635	1.00E-143	291	301	96 -	69	368	13316	13616
UN80786	Rsa1.0.31076.1	558	737	0	476	499	95 -	61	558	37	534
UN80787	Rsa1.0.04569.1	780	16798	1.00E-162	320	328	97 -	1	325	8448	8775
UN80788	Rsa1.0.00015.1	619	561803	0	512	530	96 -	2	529	171191	171716
UN80789	Rsa1.0.00104.1	795	368722	0	430	439	97 +	1	439	41580	42018
UN80790	Rsa1.0.00709.1	811	67329	1.00E-175	361	375	96 -	2	376	13836	14208
UN80791	Rsa1.0.08183.1	765	7775	0	565	581	97 +	1	579	4922	5500
UN80792	Rsa1.0.01309.1	248	48556	1.00E-119	240	248	96 +	1	248	16427	16674
UN80793	Rsa1.0.00111.1	316	390088	3.00E-76	161	165	97 -	114	278	159257	159420
UN80794	Rsa1.0.00181.1	754	114269	0	638	663	96 -	94	754	15720	16381
UN80795	Rsa1.0.03391.1	345	23251	1.00E-160	333	348	95 +	1	345	2460	2807
UN80796	Rsa1.0.02269.1	577	33168	1.00E-106	233	243	95 -	3	243	18242	18484
UN80797	Rsa1.0.02623.1	197	29409	1.00E-100	191	193	98 +	5	197	19827	20019
UN80798	Rsa1.0.03985.1	770	19704	0	374	390	95 -	381	770	4072	4461
UN80799	Rsa1.0.39987.1	496	562	0	355	362	98 -	129	490	201	562
UN80800	Rsa1.0.00604.1	769	146282	2.00E-79	181	191	94 -	470	660	80065	80255
UN80801	Rsa1.0.04023.1	652	19522	7.00E-60	133	138	96 +	515	652	7312	7449
UN80802	Rsa1.0.03631.1	782	21647	1.00E-100	311	349	89 +	180	527	19212	19557
UN80803	Rsa1.0.00480.1	176	81325	1.00E-76	166	173	95 +	1	173	59595	59767
UN80804	Rsa1.0.04898.1	257	15545	1.00E-108	240	249	96 -	2	249	10973	11217
UN80805	Rsa1.0.00133.1	165	123768	1.00E-18	89	102	87 -	67	165	36283	36384
UN80806	Rsa1.0.00552.1	676	206757	5.00E-98	201	206	97 -	1	205	187345	187550

UN80807	Rsa1.0.00156.1	442	118383	1.00E-114	327	372	87 +	71	442	90210	90554
UN80808	Rsa1.0.39889.1	691	563	1.00E-106	208	211	98 +	256	464	104	314
UN80809	Rsa1.0.00490.1	694	186713	1.00E-152	285	289	98 -	265	553	39542	39830
UN80810	Rsa1.0.00759.1	196	65465	6.00E-76	180	192	93 -	1	192	56107	56298
UN80811	Rsa1.0.01377.1	230	46967	6.00E-58	129	134	96 +	1	134	10091	10224
UN80812	Rsa1.0.00636.1	733	71113	0	468	471	99 -	17	487	65895	66365
UN80813	Rsa1.0.00034.1	752	260119	1.00E-121	230	233	98 +	446	678	30072	30304
UN80814	Rsa1.0.00464.1	395	82253	4.00E-94	266	292	91 +	1	290	14664	14950
UN80815	Rsa1.0.04026.1	185	19508	2.00E-41	149	166	89 -	19	177	11099	11263
UN80816	Rsa1.0.19660.1	465	1400	1.00E-115	280	304	92 -	76	370	99	393
UN80817	Rsa1.0.00654.1	600	70012	1.00E-58	478	596	80 +	1	595	50609	51203
UN80818	Rsa1.0.00696.1	616	68010	0	361	364	99 -	1	363	38729	39091
UN80819	Rsa1.0.00002.1	121	601661	8.00E-37	109	118	92 +	4	120	113214	113331
UN80820	Rsa1.0.03362.1	673	23453	0	522	534	97 -	141	673	1334	1867
UN80821	Rsa1.0.00382.1	551	251946	0	423	432	97 -	4	433	107859	108290
UN80822	Rsa1.0.03029.1	814	25858	0	375	388	96 +	169	556	19494	19881
UN80823	Rsa1.0.00029.1	777	272992	0	662	679	97 -	100	777	248604	249282
UN80824	Rsa1.0.24496.1	562	985	0	506	515	98 -	3	515	228	742
UN80825	Rsa1.0.34770.1	716	651	1.00E-144	289	299	96 +	6	304	44	342
UN80826	Rsa1.0.02959.1	280	26441	9.00E-76	214	235	91 -	49	280	19780	20014
UN80827	Rsa1.0.03292.1	776	23977	0	750	783	95 +	2	776	12439	13220
UN80828	Rsa1.0.00463.1	533	189177	0	506	513	98 -	17	529	116184	116694
UN80829	Rsa1.0.02032.1	577	35830	1.00E-145	333	353	94 -	1	351	3825	4176
UN80830	Rsa1.0.00027.1	587	283362	0	564	589	95 +	1	586	42815	43402
UN80831	Rsa1.0.00940.1	718	179946	0	481	531	90 -	1	524	40414	40935
UN80832	Rsa1.0.00048.1	680	167185	0	663	684	96 -	1	678	17527	18207
UN80833	Rsa1.0.01774.1	622	39528	0	344	347	99 +	2	347	20705	21051
UN80834	Rsa1.0.02022.1	401	35923	1.00E-158	362	386	93 +	1	386	18363	18746
UN80835	Rsa1.0.05746.1	771	12750	1.00E-112	215	218	98 +	370	587	5467	5684
UN80836	Rsa1.0.02231.1	315	33661	1.00E-134	279	289	96 -	26	313	6323	6609
UN80837	Rsa1.0.00685.1	772	68515	1.00E-170	435	478	91 -	2	475	9987	10441
UN80838	Rsa1.0.00739.1	329	66155	2.00E-52	126	133	94 +	49	181	4240	4372
UN80839	Rsa1.0.02581.1	851	29896	0	790	847	93 -	1	844	28406	29250
UN80840	Rsa1.0.00050.1	380	237174	1.00E-122	353	398	88 -	1	380	7785	8176
UN80841	Rsa1.0.04399.1	564	17543	5.00E-85	288	330	87 -	183	509	9928	10257
UN80842	Rsa1.0.00484.1	724	203294	0	532	545	97 +	4	548	49807	50347
UN80843	Rsa1.0.01971.1	637	36641	0	617	640	96 +	2	635	21068	21703
UN80844	Rsa1.0.02004.1	705	169138	0	664	696	95 -	11	705	156602	157279
UN80845	Rsa1.0.02239.1	849	33534	1.00E-177	331	335	98 -	3	336	3409	3743

UN80846	Rsa1.0.02116.1	572	34853	1.00E-152	310	321	96 +	252	572	14502	14821
UN80847	Rsa1.0.00157.1	832	245832	0	605	606	99 +	1	606	147057	147662
UN80848	Rsa1.0.03075.1	678	25560	1.00E-159	312	320	97 -	289	607	14646	14965
UN80849	Rsa1.0.00477.1	110	81556	3.00E-39	103	110	93 -	1	110	22635	22744
UN80850	Rsa1.0.00146.1	541	149343	2.00E-81	179	186	96 +	356	540	2408	2593
UN80851	Rsa1.0.00149.1	717	305196	0	575	604	95 +	1	596	26585	27186
UN80852	Rsa1.0.00844.1	820	62403	1.00E-175	373	392	95 -	239	629	19070	19461
UN80853	Rsa1.0.00596.1	678	73578	0	657	669	98 -	3	670	1885	2553
UN80854	Rsa1.0.00898.1	777	202772	1.00E-141	384	428	89 +	214	629	175395	175811
UN80855	Rsa1.0.18069.1	340	1678	1.00E-153	315	325	96 -	3	327	197	517
UN80856	Rsa1.0.00687.1	717	68494	1.00E-137	305	322	94 +	7	328	22744	23061
UN80857	Rsa1.0.00029.1	638	272992	0	487	532	91 +	4	512	257520	258045
UN80858	Rsa1.0.03960.1	601	19864	1.00E-130	347	381	91 +	2	378	4884	5257
UN80859	Rsa1.0.00898.1	558	202772	0	555	558	99 +	1	558	168529	169086
UN80860	Rsa1.0.00477.1	635	81556	0	449	462	97 +	1	458	53842	54300
UN80861	Rsa1.0.00520.1	738	78226	0	657	669	98 +	70	738	1875	2543
UN80862	Rsa1.0.04154.1	424	18802	7.00E-96	210	218	96 -	1	217	15466	15682
UN80863	Rsa1.0.01456.1	416	45372	2.00E-99	225	238	94 +	9	246	20825	21059
UN80864	Rsa1.0.00515.1	527	78417	1.00E-103	216	223	96 -	3	225	59161	59382
UN80865	Rsa1.0.07588.1	767	9070	0	626	674	92 +	98	767	203	873
UN80866	Rsa1.0.00387.1	793	495407	1.00E-114	284	307	92 -	1	302	134727	135033
UN80867	Rsa1.0.03503.1	696	22445	1.00E-106	480	573	83 +	131	696	381	950
UN80868	Rsa1.0.00079.1	645	606987	3.00E-77	162	167	97 +	246	412	40728	40894
UN80869	Rsa1.0.00355.1	653	92038	0	506	547	92 +	2	539	77903	78429
UN80870	Rsa1.0.00104.1	261	368722	1.00E-108	243	254	95 +	9	261	154807	155057
UN80871	Rsa1.0.00040.1	750	324196	0	728	778	93 -	1	750	239964	240738
UN80872	Rsa1.0.13080.1	684	5018	1.00E-154	286	289	98 +	1	289	4730	5018
UN80873	Rsa1.0.02384.1	737	31917	0	471	520	90 +	236	737	13168	13675
UN80874	Rsa1.0.00085.1	640	142226	1.00E-150	344	368	93 +	246	601	50813	51180
UN80875	Rsa1.0.00808.1	410	63351	0	383	395	96 +	16	410	39387	39781
UN80876	Rsa1.0.02338.1	787	32390	0	735	746	98 -	3	747	16484	17229
UN80877	Rsa1.0.00116.1	769	365886	1.00E-132	242	243	99 +	354	596	239724	239966
UN80878	Rsa1.0.00252.1	829	102760	0	795	825	96 -	3	825	87376	88198
UN80879	Rsa1.0.00001.1	754	363028	1.00E-147	353	378	93 +	12	383	192536	192912
UN80880	Rsa1.0.00225.1	694	105892	1.00E-164	308	313	98 +	161	473	98398	98710
UN80881	Rsa1.0.01712.1	794	154210	0	777	795	97 -	1	794	9784	10577
UN80882	Rsa1.0.01675.1	657	41155	1.00E-178	383	405	94 -	105	509	29587	29987
UN80883	#	#	#	#	#	#	#	#	#	#	#
UN80884	Rsa1.0.01696.1	656	301850	7.00E-60	245	288	85 -	97	370	40237	40521

UN80885	Rsa1.0.00091.1	574	139699	0	382	398	95 +	11	407	15260	15657
UN80886	Rsa1.0.02226.1	705	33726	1.00E-141	281	288	97 +	3	285	10108	10395
UN80887	Rsa1.0.00829.1	632	158305	0	619	633	97 +	2	632	131003	131626
UN80888	Rsa1.0.01070.1	120	55099	2.00E-25	68	71	95 +	1	71	31725	31795
UN80889	Rsa1.0.00153.1	191	192931	2.00E-38	102	109	93 -	3	111	144194	144302
UN80890	Rsa1.0.00096.1	747	198773	0	678	703	96 +	45	747	167791	168493
UN80891	Rsa1.0.02820.1	197	27629	2.00E-38	165	185	89 +	19	192	19486	19670
UN80892	Rsa1.0.04145.1	746	18834	9.00E-29	90	98	91 -	351	448	2562	2659
UN80893	Rsa1.0.00048.1	709	167185	1.00E-164	337	349	96 -	1	347	2594	2942
UN80894	Rsa1.0.00167.1	620	116000	0	534	549	97 -	73	620	46367	46915
UN80895	Rsa1.0.07528.1	309	9195	2.00E-43	105	110	95 -	76	185	738	847
UN80896	Rsa1.0.00128.1	431	228675	4.00E-57	176	197	89 -	3	199	217589	217785
UN80897	Rsa1.0.00307.1	706	199003	0	371	373	99 +	213	585	40489	40861
UN80898	Rsa1.0.02896.1	563	26970	1.00E-157	404	444	90 -	1	427	15291	15729
UN80899	Rsa1.0.00363.1	777	90968	7.00E-85	181	188	96 -	112	299	31971	32158
UN80900	Rsa1.0.00078.1	177	175053	1.00E-58	155	167	92 +	8	173	78916	79082
UN80901	Rsa1.0.01835.1	382	38542	1.00E-148	348	373	93 +	3	368	21282	21654
UN80902	Rsa1.0.05289.1	779	14259	0	744	770	96 +	13	779	2170	2939
UN80903	Rsa1.0.02074.1	711	35370	0	448	480	93 +	27	503	12060	12527
UN80904	Rsa1.0.00393.1	682	158674	1.00E-179	336	342	98 -	341	682	110831	111172
UN80905	Rsa1.0.02374.1	628	32043	0	612	639	95 +	2	628	4803	5438
UN80906	Rsa1.0.00121.1	429	278029	1.00E-115	240	250	96 +	144	393	37626	37875
UN80907	Rsa1.0.00139.1	518	357786	0	496	518	95 -	1	518	141674	142191
UN80908	Rsa1.0.01232.1	804	155185	1.00E-152	282	285	98 -	2	286	132136	132420
UN80909	Rsa1.0.00065.1	292	454616	2.00E-36	81	82	98 +	96	177	39525	39606
UN80910	Rsa1.0.02518.1	721	30586	0	516	538	95 -	3	538	21523	22049
UN80911	Rsa1.0.01696.1	702	301850	1.00E-130	273	282	96 -	162	438	9738	10019
UN80912	Rsa1.0.08598.1	798	7143	0	563	613	91 -	1	604	1	607
UN80913	Rsa1.0.02131.1	344	34754	1.00E-161	330	344	95 -	1	344	7040	7383
UN80914	Rsa1.0.01264.1	481	49697	0	455	491	92 -	12	481	30858	31345
UN80915	Rsa1.0.15839.1	702	2397	0	490	507	96 +	56	562	1897	2397
UN80916	Rsa1.0.06247.1	588	11395	4.00E-70	194	210	92 -	82	287	9409	9618
UN80917	Rsa1.0.00890.1	202	323870	4.00E-49	108	111	97 -	88	198	162367	162477
UN80918	Rsa1.0.00868.1	686	61630	0	592	598	98 -	90	686	5977	6574
UN80919	Rsa1.0.16891.1	664	1999	0	652	664	98 +	1	664	1237	1900
UN80920	Rsa1.0.05134.1	453	143181	1.00E-130	278	291	95 +	28	312	6130	6420
UN80921	Rsa1.0.01133.1	633	52916	0	624	638	97 +	2	633	36225	36861
UN80922	Rsa1.0.05134.1	489	143181	1.00E-131	308	325	94 +	1	318	6100	6420
UN80923	Rsa1.0.00136.1	713	122464	0	546	575	94 +	1	575	60389	60962

UN80924	Rsa1.0.01447.1	789	45654	0	767	789	97 -	1	789	2491	3278
UN80925	Rsa1.0.00005.1	799	353093	1.00E-131	241	242	99 -	380	621	329302	329543
UN80926	Rsa1.0.00457.1	636	337301	0	580	601	96 +	2	599	317282	317875
UN80927	Rsa1.0.04407.1	766	17504	0	423	453	93 +	10	438	4171	4623
UN80928	Rsa1.0.05410.1	642	13840	0	364	376	96 +	239	613	7861	8236
UN80929	Rsa1.0.00422.1	566	86144	0	437	465	93 -	1	463	16094	16557
UN80930	Rsa1.0.02129.1	186	34757	5.00E-73	172	183	93 -	1	183	29603	29785
UN80931	Rsa1.0.01275.1	544	49405	1.00E-157	296	301	98 +	3	303	8118	8418
UN80932	Rsa1.0.05081.1	718	136103	1.00E-145	333	355	93 -	3	356	5006	5357
UN80933	Rsa1.0.03181.1	483	24763	1.00E-142	315	334	94 +	12	340	15032	15363
UN80934	Rsa1.0.00307.1	520	199003	2.00E-87	177	180	98 -	3	182	50566	50744
UN80935	Rsa1.0.00065.1	443	454616	1.00E-152	322	337	95 +	1	331	223111	223442
UN80936	Rsa1.0.03869.1	461	20365	0	449	474	94 -	1	461	4061	4534
UN80937	Rsa1.0.00833.1	178	62621	6.00E-17	60	65	92 +	1	65	5350	5414
UN80938	Rsa1.0.00001.1	414	363028	0	393	410	95 -	3	412	281981	282390
UN80939	Rsa1.0.02646.1	614	29123	1.00E-145	276	281	98 -	330	610	14583	14863
UN80940	Rsa1.0.00967.1	665	58049	0	474	482	98 +	184	665	3513	3994
UN80941	Rsa1.0.00030.1	238	250988	7.00E-39	94	98	95 -	141	238	124035	124132
UN80942	Rsa1.0.01963.1	766	36719	0	753	767	98 -	1	766	5677	6442
UN80943	Rsa1.0.00742.1	480	66106	4.00E-42	143	160	89 +	214	373	13157	13315
UN80944	Rsa1.0.00802.1	168	63846	2.00E-81	162	165	98 -	1	165	29430	29594
UN80945	Rsa1.0.03012.1	282	26042	5.00E-71	154	160	96 +	3	162	8250	8409
UN80946	Rsa1.0.01096.1	843	54266	1.00E-150	461	520	88 +	87	590	1268	1773
UN80947	Rsa1.0.00890.1	746	323870	0	737	743	99 -	1	742	308878	309619
UN80948	Rsa1.0.00124.1	555	262503	0	449	479	93 +	30	504	56753	57221
UN80949	Rsa1.0.00053.1	595	263459	4.00E-89	191	199	95 +	397	595	95872	96065
UN80950	Rsa1.0.02362.1	366	32190	4.00E-63	123	123	100 +	234	356	23753	23875
UN80951	Rsa1.0.00738.1	803	66322	0	716	748	95 -	73	803	25754	26501
UN80952	Rsa1.0.01818.1	694	38837	0	680	694	97 -	1	694	32716	33407
UN80953	Rsa1.0.28747.1	705	804	2.00E-11	109	133	81 +	243	375	47	179
UN80954	Rsa1.0.00120.1	316	277288	8.00E-61	155	167	92 -	46	212	14024	14190
UN80955	Rsa1.0.00457.1	342	337301	1.00E-81	214	234	91 +	109	342	201304	201537
UN80956	Rsa1.0.46994.1	520	481	0	392	405	96 -	1	400	1	400
UN80957	Rsa1.0.04203.1	212	18479	4.00E-65	193	209	92 -	1	207	11430	11634
UN80958	Rsa1.0.01806.1	381	39021	0	373	378	98 -	4	381	9226	9603
UN80959	Rsa1.0.00363.1	787	90968	0	757	795	95 +	2	787	64169	64952
UN80960	Rsa1.0.25138.1	665	950	3.00E-87	188	196	95 -	454	649	463	658
UN80961	Rsa1.0.30408.1	225	754	4.00E-40	141	160	88 -	66	225	31	190
UN80962	Rsa1.0.01451.1	507	45459	2.33E-156	298	310	96 -	15	324	6618	6927

UN80963	Rsa1.0.00087.1	313	761073	1.00E-129	265	274	96 +	3	275	533426	533699
UN80964	Rsa1.0.20355.1	544	1314	1.00E-174	327	333	98 -	212	544	607	939
UN80965	Rsa1.0.10853.1	389	5700	1.00E-120	258	270	95 +	1	269	1684	1953
UN80966	Rsa1.0.03504.1	220	22443	1.00E-92	208	220	94 +	1	220	4027	4246
UN80967	Rsa1.0.00651.1	624	247766	0	455	469	97 +	7	470	224105	224573
UN80968	Rsa1.0.01453.1	663	45449	1.00E-131	321	345	93 -	229	564	11444	11788
UN80969	Rsa1.0.00655.1	244	195840	1.00E-102	230	244	94 +	1	244	166430	166673
UN80970	Rsa1.0.02478.1	784	150183	2.00E-88	169	170	99 +	600	769	149398	149567
UN80971	Rsa1.0.00327.1	717	94892	0	411	412	99 +	4	415	66312	66723
UN80972	Rsa1.0.02202.1	818	33961	1.00E-131	237	237	100 -	1	237	22964	23200
UN80973	Rsa1.0.50553.1	587	449	1.00E-134	252	255	98 +	244	498	195	449
UN80974	Rsa1.0.04911.1	556	15483	1.00E-136	305	324	94 -	236	556	6259	6582
UN80975	#	#	#	#	#	#	#	#	#	#	#
UN80976	Rsa1.0.00058.1	596	159921	1.00E-154	334	352	94 +	1	352	54223	54573
UN80977	Rsa1.0.00643.1	238	70658	1.00E-110	229	238	96 -	1	238	27872	28109
UN80978	Rsa1.0.17174.1	519	1901	1.00E-136	269	277	97 +	1	277	769	1045
UN80979	Rsa1.0.01159.1	691	52115	0	676	691	97 +	1	691	11872	12562
UN80980	Rsa1.0.01600.1	731	42537	0	694	735	94 -	2	731	5841	6567
UN80981	Rsa1.0.00042.1	693	171507	1.00E-116	231	237	97 +	316	552	41039	41275
UN80982	Rsa1.0.00161.1	745	116891	1.00E-166	344	360	95 +	337	696	25631	25990
UN80983	Rsa1.0.03728.1	725	21147	1.00E-160	403	437	92 +	54	484	3567	4003
UN80984	Rsa1.0.00045.1	101	328694	1.00E-19	81	91	89 -	10	97	14594	14684
UN80985	Rsa1.0.04651.1	245	16516	3.00E-41	113	121	93 +	50	168	4145	4265
UN80986	Rsa1.0.06771.1	598	10388	0	380	388	97 -	1	387	2887	3274
UN80987	Rsa1.0.00054.1	779	162053	1.00E-111	248	259	95 +	521	776	148185	148442
UN80988	Rsa1.0.05462.1	130	13671	3.00E-58	126	130	96 +	1	130	5222	5351
UN80989	Rsa1.0.06750.1	803	10421	0	545	548	99 -	210	757	2143	2689
UN80990	Rsa1.0.14577.1	128	3250	1.00E-42	112	120	93 -	5	124	963	1082
UN80991	Rsa1.0.00015.1	357	561803	1.00E-130	242	244	99 +	1	244	549004	549247
UN80992	Rsa1.0.00609.1	731	72785	1.00E-180	387	410	94 +	1	402	60296	60702
UN80993	Rsa1.0.01112.1	144	310601	4.00E-30	82	87	94 +	1	87	32329	32415
UN80994	Rsa1.0.01996.1	112	36327	4.00E-26	96	108	88 +	5	112	28884	28991
UN80995	Rsa1.0.27781.1	627	840	0	343	346	99 -	1	346	373	718
UN80996	Rsa1.0.01632.1	685	181224	0	339	340	99 +	2	340	36862	37201
UN80997	Rsa1.0.18167.1	646	1654	0	393	398	98 +	249	646	1217	1614
UN80998	Rsa1.0.00348.1	137	92818	4.00E-42	118	127	92 +	11	137	62310	62435
UN80999	Rsa1.0.00044.1	500	271658	0	460	499	92 -	11	500	25126	25624
UN81000	Rsa1.0.01068.1	491	55208	0	457	476	96 -	1	468	35984	36459
UN81001	Rsa1.0.00060.1	469	502678	1.00E-66	147	153	96 -	227	379	495990	496142

UN81002	Rsa1.0.00017.1	696	752458	1.00E-141	260	262	99 +	1	262	453789	454050
UN81003	Rsa1.0.02321.1	816	32572	0	705	755	93 -	7	755	20709	21444
UN81004	Rsa1.0.10563.1	738	5800	0	613	674	90 -	67	738	4554	5204
UN81005	Rsa1.0.00199.1	582	249604	1.00E-103	227	238	95 +	184	414	13041	13278
UN81006	Rsa1.0.02207.1	742	33914	0	594	597	99 +	1	597	33318	33914
UN81007	Rsa1.0.01204.1	708	50843	2.00E-41	152	169	89 -	3	158	11832	11997
UN81008	Rsa1.0.00110.1	210	132719	6.00E-67	159	169	94 -	4	172	32257	32425
UN81009	Rsa1.0.01992.1	540	36424	0	524	540	97 +	1	540	5521	6060
UN81010	Rsa1.0.02442.1	211	31355	1.00E-80	197	211	93 +	1	211	12545	12753
UN81011	Rsa1.0.03471.1	715	22678	1.00E-98	222	235	94 +	88	322	6430	6664
UN81012	Rsa1.0.09781.1	459	6153	0	441	456	96 +	4	459	4657	5110
UN81013	Rsa1.0.03647.1	102	21597	7.00E-37	94	98	95 +	5	102	2405	2501
UN81014	Rsa1.0.06004.1	678	11961	0	634	647	97 +	1	637	113	759
UN81015	Rsa1.0.06677.1	551	10560	1.00E-159	375	407	92 +	160	551	1479	1875
UN81016	Rsa1.0.02841.1	481	27383	2.00E-84	193	202	95 +	1	202	287	485
UN81017	Rsa1.0.00207.1	805	248736	1.00E-144	341	362	94 -	4	360	238530	238889
UN81018	Rsa1.0.00623.1	173	207630	2.00E-60	148	158	93 -	16	173	192282	192439
UN81019	Rsa1.0.00201.1	768	232851	1.00E-153	311	323	96 +	444	766	4812	5134
UN81020	Rsa1.0.02768.1	765	28110	0	394	398	98 -	2	399	26304	26701
UN81021	Rsa1.0.05453.1	531	13696	1.00E-171	380	405	93 +	2	404	10379	10771
UN81022	Rsa1.0.00041.1	736	186197	4.00E-83	348	417	83 -	1	391	53418	53804
UN81023	Rsa1.0.03545.1	442	147543	9.00E-80	228	251	90 -	2	251	138427	138676
UN81024	Rsa1.0.00298.1	747	349131	4.00E-80	237	264	89 +	71	334	175888	176145
UN81025	Rsa1.0.02853.1	774	27281	1.00E-111	220	224	98 +	372	594	13833	14056
UN81026	Rsa1.0.03577.1	102	143993	3.00E-33	90	96	93 +	1	96	8767	8862
UN81027	Rsa1.0.01593.1	542	150996	0	485	494	98 +	3	495	126045	126538
UN81028	Rsa1.0.00161.1	654	116891	0	638	654	97 -	1	654	16548	17196
UN81029	Rsa1.0.01540.1	238	151890	7.00E-67	141	145	97 -	94	238	119977	120121
UN81030	Rsa1.0.00269.1	743	341668	0	701	749	93 +	1	743	290353	291095
UN81031	Rsa1.0.02451.1	809	31283	1.00E-179	328	331	99 +	330	660	29307	29637
UN81032	Rsa1.0.01750.1	742	39816	1.00E-131	253	257	98 +	105	360	25486	25742
UN81033	Rsa1.0.03280.1	551	145083	1.00E-174	349	361	96 +	2	362	130867	131226
UN81034	Rsa1.0.00041.1	113	186197	2.00E-43	107	113	94 +	1	113	132816	132928
UN81035	Rsa1.0.02556.1	480	30133	1.00E-141	428	481	88 -	5	480	4324	4784
UN81036	Rsa1.0.00777.1	729	191865	0	504	513	98 +	1	513	169413	169925
UN81037	Rsa1.0.00107.1	203	431659	1.00E-33	97	105	92 +	78	182	149037	149141
UN81038	Rsa1.0.01390.1	615	46695	0	397	400	99 -	218	615	16286	16685
UN81039	Rsa1.0.00068.1	614	151813	0	529	545	97 -	1	545	104236	104777
UN81040	Rsa1.0.00737.1	139	66432	7.00E-44	108	114	94 +	12	125	31890	32003

UN81041	Rsa1.0.00813.1	682	63202	1.00E-95	199	206	96 -	330	535	14295	14500
UN81042	Rsa1.0.01220.1	510	161775	0	482	505	95 +	1	490	11315	11819
UN81043	Rsa1.0.00116.1	830	365886	1.00E-135	322	351	91 +	483	818	76509	76859
UN81044	Rsa1.0.00097.1	804	138858	0	401	405	99 -	391	795	46362	46766
UN81045	Rsa1.0.01489.1	779	44764	1.00E-170	321	327	98 -	453	779	9614	9940
UN81046	Rsa1.0.01137.1	586	52655	0	561	587	95 -	1	586	20221	20804
UN81047	Rsa1.0.00342.1	438	93695	0	403	420	95 +	1	420	79993	80412
UN81048	Rsa1.0.00430.1	767	85453	0	464	481	96 -	2	473	28948	29428
UN81049	Rsa1.0.00328.1	534	224661	1.00E-123	241	246	97 -	292	534	136545	136790
UN81050	Rsa1.0.07767.1	208	8609	2.00E-88	198	207	95 -	1	206	4714	4917
UN81051	Rsa1.0.00478.1	515	81419	0	504	513	98 +	3	515	41903	42415
UN81052	Rsa1.0.17040.1	488	1944	0	378	396	95 -	3	395	1207	1602
UN81053	Rsa1.0.00484.1	667	203294	1.00E-140	331	355	93 +	11	354	135723	136074
UN81054	Rsa1.0.01641.1	716	188213	0	448	459	97 +	12	470	180390	180843
UN81055	Rsa1.0.07519.1	745	9209	0	339	341	99 -	405	745	7434	7774
UN81056	Rsa1.0.23431.1	553	1049	0	521	527	98 +	1	527	234	760
UN81057	Rsa1.0.00414.1	355	202190	1.00E-160	337	353	95 +	3	355	14843	15194
UN81058	Rsa1.0.00356.1	666	91521	1.00E-174	397	419	94 +	252	666	35062	35476
UN81059	Rsa1.0.00203.1	816	109129	2.00E-97	181	181	100 -	224	404	65800	65980
UN81060	Rsa1.0.05192.1	692	136195	2.00E-91	177	179	98 +	514	692	124686	124864
UN81061	Rsa1.0.01997.1	742	158416	0	657	678	96 +	32	707	3354	4022
UN81062	Rsa1.0.04488.1	273	17155	6.00E-80	157	159	98 -	1	159	14880	15038
UN81063	Rsa1.0.03900.1	188	133221	7.00E-88	182	188	96 -	1	188	3919	4106
UN81064	Rsa1.0.03005.1	390	26082	1.00E-158	340	359	94 +	5	363	25726	26080
UN81065	Rsa1.0.01997.1	688	158416	1.00E-133	263	270	97 +	1	266	17620	17889
UN81066	Rsa1.0.03965.1	758	19828	1.00E-140	262	265	98 -	1	265	14987	15251
UN81067	Rsa1.0.07914.1	493	8294	1.00E-151	380	415	91 +	76	489	7659	8073
UN81068	Rsa1.0.00748.1	599	65983	0	410	422	97 -	1	413	41402	41823
UN81069	Rsa1.0.00203.1	304	109129	6.00E-77	266	304	87 +	3	304	64483	64774
UN81070	Rsa1.0.00180.1	278	114581	1.00E-124	268	282	95 -	1	278	42169	42450
UN81071	Rsa1.0.00424.1	555	86005	8.00E-81	189	203	93 +	35	237	75620	75811
UN81072	Rsa1.0.00134.1	620	390219	0	444	448	99 -	2	448	5772	6218
UN81073	Rsa1.0.04133.1	249	18907	8.00E-79	191	205	93 +	36	240	8292	8496
UN81074	Rsa1.0.00147.1	597	249503	2.33E-156	284	291	97 -	1	287	130965	131255
UN81075	Rsa1.0.03560.1	697	22092	0	491	512	95 -	1	511	379	884
UN81076	Rsa1.0.00085.1	772	142226	0	694	701	99 -	73	772	19422	20119
UN81077	Rsa1.0.00200.1	470	162016	1.00E-122	254	262	96 -	3	263	104953	105212
UN81078	Rsa1.0.00588.1	130	73939	2.00E-22	116	134	86 -	1	130	19365	19495
UN81079	Rsa1.0.00108.1	215	478491	1.00E-108	208	211	98 -	5	215	12629	12839

UN81080	Rsa1.0.01452.1	738	45459	1.00E-109	203	204	99 -	2	205	39627	39830
UN81081	Rsa1.0.04281.1	766	18107	0	594	632	93 +	135	766	15672	16303
UN81082	Rsa1.0.01648.1	161	41635	2.00E-66	152	160	95 -	1	160	11180	11339
UN81083	Rsa1.0.00156.1	676	118383	0	438	449	97 -	227	672	54587	55035
UN81084	Rsa1.0.00087.1	722	761073	0	647	652	99 -	72	722	535470	536121
UN81085	Rsa1.0.01010.1	688	56906	1.00E-135	287	301	95 -	392	688	15611	15911
UN81086	Rsa1.0.01867.1	785	37960	2.33E-156	299	311	96 -	475	785	17256	17566
UN81087	Rsa1.0.00215.1	730	201775	1.00E-154	280	281	99 +	448	728	26873	27153
UN81088	Rsa1.0.01958.1	636	261128	0	504	515	97 -	3	517	130974	131488
UN81089	#	#	#	#	#	#	#	#	#	#	#
UN81090	Rsa1.0.01893.1	741	37520	1.00E-102	207	213	97 -	489	701	6363	6575
UN81091	Rsa1.0.01855.1	421	38204	1.00E-106	214	220	97 -	202	421	31825	32044
UN81092	Rsa1.0.08939.1	796	6769	5.00E-98	229	244	93 +	2	245	3992	4232
UN81093	Rsa1.0.00087.1	730	761073	1.00E-105	240	250	96 -	482	728	274310	274558
UN81094	Rsa1.0.18530.1	411	1581	7.00E-68	138	139	99 -	134	271	1	139
UN81095	Rsa1.0.00881.1	692	61260	0	421	427	98 +	267	692	33608	34034
UN81096	Rsa1.0.02215.1	436	33822	2.00E-99	203	208	97 +	4	211	15415	15621
UN81097	Rsa1.0.00086.1	746	439854	0	447	462	96 +	285	746	318961	319422
UN81098	Rsa1.0.00539.1	755	76926	0	753	756	99 +	1	755	41486	42241
UN81099	Rsa1.0.02903.1	779	26901	0	683	706	96 +	2	707	4750	5446
UN81100	Rsa1.0.00115.1	472	131321	3.00E-92	191	196	97 -	1	196	73636	73830
UN81101	Rsa1.0.07448.1	710	9379	0	482	497	96 -	215	710	2044	2540
UN81102	Rsa1.0.00029.1	697	272992	0	565	600	94 -	107	697	232228	232824
UN81103	Rsa1.0.00252.1	736	102760	0	632	656	96 +	72	721	86707	87362
UN81104	Rsa1.0.01069.1	647	55113	1.00E-138	267	273	97 -	375	647	17792	18064
UN81105	Rsa1.0.03860.1	682	20407	0	649	686	94 +	2	682	12347	13014
UN81106	Rsa1.0.00796.1	771	63997	0	373	373	100 -	3	375	38566	38938
UN81107	Rsa1.0.01607.1	714	42328	2.00E-41	102	107	95 -	339	445	30702	30808
UN81108	Rsa1.0.00253.1	124	231292	1.00E-44	115	119	96 +	3	118	153606	153724
UN81109	Rsa1.0.00417.1	519	395068	1.00E-135	256	260	98 -	2	261	376217	376476
UN81110	Rsa1.0.00480.1	728	81325	1.00E-116	254	268	94 -	241	502	61897	62164
UN81111	Rsa1.0.00636.1	771	71113	1.00E-128	254	261	97 +	248	508	63532	63792
UN81112	Rsa1.0.00263.1	445	224968	0	358	360	99 -	85	443	47450	47809
UN81113	Rsa1.0.02121.1	299	34813	6.00E-80	160	163	98 -	2	164	19496	19658
UN81114	#	#	#	#	#	#	#	#	#	#	#
UN81115	Rsa1.0.00170.1	714	179538	0	543	555	97 -	3	557	44288	44842
UN81116	Rsa1.0.09231.1	547	6542	0	467	483	96 +	3	485	3003	3479
UN81117	Rsa1.0.02595.1	211	29715	2.00E-70	138	139	99 -	2	140	226	364
UN81118	Rsa1.0.08471.1	447	7302	1.00E-170	318	322	98 +	125	445	6330	6651

UN81119	Rsa1.0_04478.1	807	17183	1.00E-123	230	232	99 +	218	449	2620	2851
UN81120	Rsa1.0_01636.1	649	41863	0	387	396	97 -	255	649	24483	24878
UN81121	Rsa1.0_01932.1	784	37177	0	707	755	93 +	2	752	18809	19554
UN81122	Rsa1.0_29944.1	615	767	0	488	491	99 -	125	615	135	625
UN81123	Rsa1.0_00104.1	699	368722	2.00E-91	180	183	98 +	248	430	196335	196517
UN81124	Rsa1.0_07657.1	720	8896	1.00E-128	262	271	96 +	445	713	3515	3785
UN81125	Rsa1.0_03956.1	529	19872	5.00E-45	136	151	90 -	114	264	19644	19782
UN81126	Rsa1.0_00333.1	493	94500	0	423	441	95 -	53	493	44472	44905
UN81127	Rsa1.0_31552.1	751	724	8.00E-94	203	211	96 +	219	428	47	257
UN81128	Rsa1.0_00071.1	753	345714	0	733	754	97 -	2	753	318283	319036
UN81129	Rsa1.0_00005.1	449	353093	1.00E-106	231	244	94 +	3	238	142546	142789
UN81130	Rsa1.0_02565.1	785	30046	1.00E-126	296	317	93 +	1	311	25175	25485
UN81131	Rsa1.0_08286.1	360	7605	0	342	344	99 +	5	348	4485	4828
UN81132	Rsa1.0_02407.1	309	31684	1.00E-169	307	309	99 -	1	309	9423	9731
UN81133	Rsa1.0_00104.1	682	368722	0	502	515	97 -	169	677	43203	43717
UN81134	Rsa1.0_03231.1	529	24456	1.00E-116	246	257	95 +	270	526	22443	22699
UN81135	Rsa1.0_01370.1	666	47093	5.00E-61	126	128	98 +	388	515	4775	4902
UN81136	Rsa1.0_07001.1	714	10048	5.00E-70	161	167	96 -	543	707	6560	6726
UN81137	Rsa1.0_02711.1	665	28475	1.00E-103	211	218	96 -	302	519	7078	7295
UN81138	Rsa1.0_01616.1	547	42137	1.00E-178	386	408	94 +	156	547	24589	24995
UN81139	Rsa1.0_10113.1	685	5992	1.00E-125	236	239	98 -	189	427	3727	3965
UN81140	Rsa1.0_00001.1	758	363028	1.00E-161	297	300	99 +	357	656	208174	208473
UN81141	Rsa1.0_00863.1	686	254535	1.00E-109	204	205	99 -	4	208	246839	247043
UN81142	Rsa1.0_02896.1	663	26970	1.00E-109	283	308	91 +	11	318	13901	14200
UN81143	Rsa1.0_02074.1	555	35370	0	532	554	96 +	2	555	29467	30017
UN81144	Rsa1.0_08183.1	789	7775	1.00E-174	354	369	95 -	377	745	5974	6342
UN81145	Rsa1.0_00457.1	628	337301	0	600	631	95 -	3	628	318208	318835
UN81146	Rsa1.0_00131.1	575	432233	1.00E-95	262	285	91 +	268	543	412408	412691
UN81147	Rsa1.0_00002.1	299	601661	1.00E-137	294	308	95 +	2	299	544234	544541
UN81148	Rsa1.0_00648.1	679	70351	1.00E-118	297	321	92 +	3	314	21679	21992
UN81149	Rsa1.0_02016.1	252	36003	1.00E-139	251	251	100 -	2	252	6182	6432
UN81150	Rsa1.0_02020.1	160	173211	4.00E-64	143	148	96 -	14	160	21581	21728
UN81151	Rsa1.0_00348.1	687	92818	0	652	696	93 -	1	687	5677	6369
UN81152	Rsa1.0_00133.1	558	123768	1.00E-113	295	323	91 +	248	558	36170	36492
UN81153	Rsa1.0_14129.1	374	3769	1.00E-107	213	217	98 +	136	352	3092	3307
UN81154	#	#	#	#	#	#	#	#	#	#	#
UN81155	Rsa1.0_07528.1	172	9195	8.00E-38	83	84	98 +	1	84	245	328
UN81156	Rsa1.0_02179.1	594	34188	0	574	595	96 -	1	594	24299	24893
UN81157	Rsa1.0_10936.1	462	5671	1.00E-111	207	208	99 +	255	462	5458	5665

UN81158	Rsa1.0_00128.1	141	228675	3.00E-21	94	100	94 +	1	94	216315	216414
UN81159	Rsa1.0_00385.1	348	89160	6.00E-59	143	152	94 +	54	205	44629	44780
UN81160	Rsa1.0_00263.1	697	224968	0	389	401	97 +	296	695	140880	141280
UN81161	Rsa1.0_00307.1	532	199003	1.00E-108	202	203	99 -	10	212	42466	42668
UN81162	Rsa1.0_00337.1	784	143174	2.00E-97	231	247	93 -	186	432	141486	141719
UN81163	Rsa1.0_00216.1	547	197563	2.00E-72	145	147	98 +	227	373	184278	184424
UN81164	Rsa1.0_00696.1	522	68010	0	517	524	98 +	2	522	37398	37921
UN81165	Rsa1.0_05289.1	546	14259	1.00E-139	304	321	94 -	226	546	2964	3281
UN81166	Rsa1.0_00239.1	443	104332	1.00E-118	284	307	92 +	141	441	28808	29114
UN81167	Rsa1.0_01308.1	475	48596	2.00E-34	87	91	95 +	383	473	4835	4925
UN81168	Rsa1.0_01180.1	742	51517	1.00E-119	238	245	97 -	189	433	32773	33017
UN81169	Rsa1.0_16891.1	174	1999	2.00E-53	120	122	98 -	51	170	1876	1997
UN81170	Rsa1.0_22443.1	763	1120	1.00E-145	302	315	95 +	359	673	771	1081
UN81171	Rsa1.0_01133.1	727	52916	0	714	728	98 -	2	727	37080	37806
UN81172	Rsa1.0_00136.1	729	122464	1.00E-118	235	240	97 -	3	241	62178	62417
UN81173	Rsa1.0_00865.1	295	61686	8.00E-98	257	277	92 -	20	292	36358	36634
UN81174	Rsa1.0_06117.1	725	11709	1.00E-98	201	205	98 -	518	718	1530	1734
UN81175	Rsa1.0_33988.1	494	666	1.00E-116	233	240	97 +	255	494	145	384
UN81176	Rsa1.0_00727.1	645	66724	0	622	646	96 +	3	642	45015	45660
UN81177	Rsa1.0_00765.1	784	65029	1.00E-104	241	255	94 -	492	744	33530	33783
UN81178	Rsa1.0_00031.1	786	179862	1.00E-140	255	256	99 +	392	647	49880	50135
UN81179	Rsa1.0_01356.1	659	47287	0	442	458	96 +	1	458	6739	7188
UN81180	Rsa1.0_00139.1	720	357786	1.00E-154	428	474	90 +	238	704	39167	39640
UN81181	Rsa1.0_02032.1	579	35830	1.00E-134	324	352	92 +	4	355	1278	1617
UN81182	Rsa1.0_04444.1	460	17320	0	453	458	98 +	3	460	14131	14588
UN81183	Rsa1.0_00048.1	123	167185	9.00E-37	117	125	93 +	4	123	16905	17029
UN81184	Rsa1.0_01544.1	657	185602	0	362	366	98 -	292	657	32183	32548
UN81185	Rsa1.0_01199.1	601	163576	1.00E-147	282	288	97 -	90	377	131768	132055
UN81186	Rsa1.0_05410.1	228	13840	5.00E-89	178	181	98 -	48	228	1987	2165
UN81187	Rsa1.0_02411.1	333	31655	1.00E-173	326	331	98 +	2	332	6118	6447
UN81188	Rsa1.0_00079.1	668	606987	0	386	397	97 -	272	668	23206	23602
UN81189	Rsa1.0_25427.1	130	936	6.00E-41	85	85	100 +	6	90	102	186
UN81190	Rsa1.0_02208.1	746	33875	0	719	740	97 +	4	739	13210	13946
UN81191	Rsa1.0_00007.1	141	239325	5.00E-20	114	125	91 -	1	116	108358	108482
UN81192	Rsa1.0_00328.1	711	224661	1.00E-151	318	334	95 +	378	711	136232	136559
UN81193	Rsa1.0_00478.1	703	81419	0	341	342	99 -	2	343	42876	43217
UN81194	Rsa1.0_01641.1	142	188213	3.00E-46	94	94	100 -	2	95	182250	182343
UN81195	Rsa1.0_05648.1	691	13049	1.00E-178	468	521	89 +	173	691	1990	2485
UN81196	Rsa1.0_01719.1	733	40388	1.00E-173	364	383	95 +	31	413	20742	21118

UN81197	Rsa1.0.00001.1	632	363028	1.00E-128	309	331	93 +	300	628	119840	120167
UN81198	Rsa1.0.00084.1	712	142338	1.00E-147	278	282	98 -	267	548	137362	137640
UN81199	Rsa1.0.06602.1	695	10683	4.00E-74	195	212	91 +	52	260	791	1002
UN81200	Rsa1.0.07727.1	593	8700	0	443	446	99 -	148	593	3761	4206
UN81201	Rsa1.0.02955.1	651	26484	4.00E-83	160	161	99 +	321	481	15914	16074
UN81202	Rsa1.0.02228.1	419	33688	5.00E-66	167	180	92 -	89	268	29540	29719
UN81203	Rsa1.0.00214.1	700	107508	1.00E-158	292	295	98 -	174	468	41899	42193
UN81204	Rsa1.0.00273.1	759	326186	6.00E-73	200	212	94 +	534	740	37563	37773
UN81205	Rsa1.0.02321.1	104	32572	8.00E-43	101	104	97 +	2	104	19876	19979
UN81206	Rsa1.0.00142.1	504	121474	2.00E-71	149	153	97 +	225	377	62768	62920
UN81207	Rsa1.0.04133.1	483	18907	0	402	417	96 -	1	416	8292	8708
UN81208	Rsa1.0.00817.1	692	62961	1.00E-159	332	343	96 -	3	342	32942	33281
UN81209	Rsa1.0.00221.1	489	106972	5.00E-97	241	261	92 -	238	489	51591	51851
UN81210	Rsa1.0.01513.1	332	44234	1.00E-106	259	282	91 -	1	267	41227	41507
UN81211	Rsa1.0.00101.1	746	267193	8.00E-57	113	113	100 +	513	625	208435	208547
UN81212	Rsa1.0.03870.1	694	20362	2.00E-97	184	185	99 -	167	351	20080	20264
UN81213	Rsa1.0.01204.1	696	50843	0	624	676	92 +	2	639	9930	10605
UN81214	Rsa1.0.01230.1	609	50221	0	462	470	98 -	64	533	6711	7180
UN81215	Rsa1.0.03471.1	798	22678	1.00E-110	294	310	94 -	497	795	7198	7507
UN81216	Rsa1.0.03089.1	740	25465	1.00E-126	313	342	91 +	3	338	7372	7701
UN81217	Rsa1.0.00493.1	217	80007	6.00E-70	173	185	93 +	35	217	3787	3971
UN81218	Rsa1.0.00350.1	595	92346	0	576	599	96 +	1	595	42517	43115
UN81219	Rsa1.0.03317.1	605	23782	0	518	528	98 -	17	544	7686	8213
UN81220	Rsa1.0.00806.1	514	63674	1.00E-63	139	144	96 +	370	513	5003	5146
UN81221	Rsa1.0.00028.1	764	293984	0	377	380	99 +	3	381	162796	163175
UN81222	Rsa1.0.01456.1	786	45372	0	734	778	94 -	26	784	21508	22285
UN81223	Rsa1.0.03089.1	755	25465	1.00E-166	338	348	97 +	409	755	11805	12149
UN81224	Rsa1.0.00623.1	739	207630	0	681	737	92 +	21	739	191182	191915
UN81225	Rsa1.0.00303.1	739	97468	5.00E-92	187	192	97 +	377	568	29465	29656
UN81226	Rsa1.0.13537.1	716	4746	8.00E-29	72	74	97 -	82	155	4646	4719
UN81227	Rsa1.0.00898.1	605	202772	0	587	613	95 -	2	605	175942	176554
UN81228	Rsa1.0.00902.1	642	60241	0	406	414	98 +	1	414	5476	5889
UN81229	Rsa1.0.00616.1	629	195713	1.00E-124	280	293	95 -	338	628	167867	168157
UN81230	Rsa1.0.01285.1	763	172709	0	746	763	97 +	3	763	149147	149908
UN81231	Rsa1.0.05092.1	712	14878	1.00E-166	310	313	99 -	401	712	1487	1799
UN81232	Rsa1.0.05217.1	122	142938	2.00E-16	61	64	95 -	47	109	130942	131004
UN81233	Rsa1.0.00705.1	345	67505	1.00E-101	224	233	96 +	93	322	45288	45518
UN81234	Rsa1.0.03132.1	629	25142	1.00E-117	220	222	99 -	270	491	22052	22273
UN81235	Rsa1.0.05355.1	637	14069	0	422	428	98 -	4	430	2576	2999

UN81236	Rsa1.0.03133.1	605	25135	1.00E-148	380	420	90 +	190	605	11284	11686
UN81237	Rsa1.0.08945.1	601	6764	1.00E-152	302	312	96 -	2	313	4504	4809
UN81238	Rsa1.0.00217.1	688	107079	1.00E-113	211	212	99 +	477	688	71018	71229
UN81239	Rsa1.0.00169.1	592	274298	1.00E-88	166	166	100 -	3	168	2661	2826
UN81240	Rsa1.0.04169.1	711	18712	1.00E-147	340	360	94 -	3	355	2537	2893
UN81241	Rsa1.0.00048.1	632	167185	2.00E-47	166	190	87 +	2	188	164094	164268
UN81242	Rsa1.0.00773.1	757	64839	0	489	513	95 -	180	682	10897	11406
UN81243	Rsa1.0.03694.1	563	21336	1.00E-171	323	329	98 +	235	563	6237	6565
UN81244	Rsa1.0.03387.1	709	23278	1.00E-89	189	196	96 +	22	217	358	553
UN81245	Rsa1.0.00520.1	758	78226	0	742	771	96 -	2	758	2548	3318
UN81246	Rsa1.0.01350.1	740	47503	2.00E-78	149	149	100 -	182	330	15683	15831
UN81247	Rsa1.0.02662.1	714	28956	0	392	405	96 +	3	406	11888	12287
UN81248	Rsa1.0.01247.1	322	49934	3.00E-88	211	220	95 -	107	322	7853	8070
UN81249	Rsa1.0.01029.1	763	256254	1.00E-107	233	245	95 +	311	555	245115	245359
UN81250	Rsa1.0.01633.1	380	41868	2.00E-77	184	195	94 +	8	201	6789	6983
UN81251	Rsa1.0.00004.1	132	253996	2.00E-56	126	131	96 +	1	131	38022	38152
UN81252	Rsa1.0.00366.1	586	90880	1.00E-158	313	323	96 -	260	582	59170	59492
UN81253	Rsa1.0.00197.1	691	109714	0	360	372	96 -	3	374	19948	20319
UN81254	Rsa1.0.00050.1	794	237174	0	472	487	96 +	229	714	7595	8076
UN81255	Rsa1.0.03728.1	654	21147	2.00E-75	162	168	96 -	466	633	4722	4889
UN81256	Rsa1.0.00564.1	445	75428	1.00E-109	239	249	95 -	3	250	59706	59948
UN81257	Rsa1.0.21217.1	629	1224	0	415	425	97 +	1	425	145	568
UN81258	Rsa1.0.02154.1	809	34528	7.00E-76	145	145	100 +	432	576	23929	24073
UN81259	Rsa1.0.04561.1	619	16849	1.00E-101	200	204	98 -	396	599	7364	7567
UN81260	Rsa1.0.00782.1	765	64468	0	350	357	98 -	2	358	2531	2887
UN81261	Rsa1.0.00611.1	616	72410	1.00E-119	463	534	86 -	3	528	2876	3389
UN81262	Rsa1.0.02518.1	620	30586	5.00E-76	145	145	100 +	11	155	19709	19853
UN81263	Rsa1.0.00165.1	291	116466	2.00E-80	171	176	97 +	117	291	1195	1370
UN81264	Rsa1.0.00940.1	175	179946	2.00E-75	166	171	97 -	2	170	14591	14761
UN81265	Rsa1.0.02298.1	613	32872	1.00E-104	293	328	89 -	280	597	7742	8060
UN81266	Rsa1.0.06750.1	761	10421	1.00E-119	218	218	100 +	474	691	1677	1894
UN81267	Rsa1.0.14856.1	776	3010	0	763	778	98 -	3	776	1839	2615
UN81268	Rsa1.0.04016.1	727	19570	0	712	728	97 +	2	727	14438	15164
UN81269	Rsa1.0.01264.1	459	49697	1.00E-108	278	304	91 +	156	459	30584	30883
UN81270	Rsa1.0.00870.1	630	61606	0	616	628	98 +	3	630	36992	37619
UN81271	Rsa1.0.02343.1	722	32374	1.00E-113	237	243	97 -	482	722	27931	28172
UN81272	Rsa1.0.01112.1	739	310601	0	718	744	96 -	2	739	32443	33183
UN81273	Rsa1.0.07861.1	683	8406	0	658	687	95 +	3	683	6127	6812
UN81274	Rsa1.0.03613.1	779	21773	0	402	424	94 -	8	424	8837	9258

UN81275	Rsa1.0.00023.1	620	194764	7.00E-60	133	138	96 +	3	140	182540	182677
UN81276	Rsa1.0.00336.1	754	445051	1.00E-129	302	319	94 -	437	749	166568	166884
UN81277	Rsa1.0.00198.1	315	222963	1.00E-118	287	309	92 +	11	305	128664	128972
UN81278	Rsa1.0.02623.1	713	29409	0	676	690	97 -	2	691	4086	4775
UN81279	Rsa1.0.01951.1	787	36941	2.00E-76	156	158	98 +	3	159	8448	8605
UN81280	Rsa1.0.00094.1	754	139042	5.00E-95	189	193	97 -	302	494	129532	129724
UN81281	Rsa1.0.00021.1	251	263655	1.00E-110	241	252	95 -	2	251	64841	65090
UN81282	Rsa1.0.00065.1	469	454616	0	451	476	94 +	3	469	439314	439789
UN81283	Rsa1.0.01248.1	499	154103	0	466	501	93 -	2	499	30816	31303
UN81284	Rsa1.0.00327.1	812	94892	1.00E-98	186	187	99 -	285	471	67857	68043
UN81285	Rsa1.0.00929.1	766	137796	6.00E-76	151	153	98 +	106	258	97512	97664
UN81286	Rsa1.0.05841.1	659	12465	0	621	648	95 -	3	642	5733	6377
UN81287	Rsa1.0.06177.1	723	11561	0	696	717	97 -	7	723	5341	6054
UN81288	Rsa1.0.00782.1	207	64468	3.00E-87	197	207	95 -	1	207	48703	48908
UN81289	Rsa1.0.00187.1	693	393093	0	491	510	96 +	186	693	214572	215081
UN81290	Rsa1.0.00605.1	746	73199	1.00E-160	324	335	96 +	7	340	918	1252
UN81291	Rsa1.0.02991.1	695	26178	9.00E-78	266	304	87 +	267	564	872	1160
UN81292	Rsa1.0.02509.1	402	30668	1.00E-167	377	402	93 -	3	399	25147	25547
UN81293	Rsa1.0.07339.1	485	9534	5.00E-51	112	115	97 -	2	116	38	152
UN81294	Rsa1.0.05180.1	763	14575	2.00E-57	185	209	88 -	488	691	5287	5479
UN81295	Rsa1.0.00194.1	738	110851	0	327	328	99 -	326	653	18149	18476
UN81296	Rsa1.0.00369.1	718	266462	1.00E-159	326	340	95 -	5	344	206030	206369
UN81297	Rsa1.0.00434.1	729	85171	1.00E-171	374	397	94 +	1	397	84694	85090
UN81298	Rsa1.0.00005.1	756	353093	0	405	408	99 +	350	756	324070	324477
UN81299	#	#	#	#	#	#	#	#	#	#	#
UN81300	#	#	#	#	#	#	#	#	#	#	#
UN81301	Rsa1.0.00437.1	714	84879	0	451	470	95 +	42	508	57385	57854
UN81302	Rsa1.0.14307.1	519	3553	1.00E-141	324	347	93 +	173	519	330	676
UN81303	Rsa1.0.00556.1	709	207212	2.00E-69	134	134	100 +	198	331	5087	5220
UN81304	Rsa1.0.00355.1	653	92038	0	506	547	92 -	115	652	77903	78429
UN81305	Rsa1.0.06215.1	756	11478	0	444	473	93 +	48	518	3074	3535
UN81306	Rsa1.0.00091.1	699	139699	4.00E-86	234	253	92 +	433	684	80307	80555
UN81307	Rsa1.0.00294.1	129	144860	8.00E-31	81	84	96 +	3	85	27546	27629
UN81308	Rsa1.0.00203.1	567	109129	1.00E-129	306	325	94 -	3	326	80231	80546
UN81309	Rsa1.0.00550.1	732	210790	4.00E-74	166	174	95 -	383	556	178403	178576
UN81310	Rsa1.0.00604.1	605	146282	0	579	605	95 -	1	603	84281	84883
UN81311	Rsa1.0.00055.1	738	520193	1.00E-125	258	268	96 -	346	613	207861	208128
UN81312	Rsa1.0.19487.1	719	1425	1.00E-145	277	281	98 +	2	281	649	929
UN81313	Rsa1.0.04961.1	595	15316	1.00E-153	284	286	99 +	311	595	13226	13511

UN81314	Rsa1.0.02527.1	723	177225	2.00E-97	190	193	98 -	210	402	152190	152382
UN81315	Rsa1.0.02805.1	761	27698	1.00E-111	226	233	96 +	2	234	25675	25907
UN81316	Rsa1.0.11241.1	631	5572	0	389	394	98 -	1	394	1	394
UN81317	Rsa1.0.01338.1	563	155644	2.00E-69	146	150	97 +	401	550	128152	128301
UN81318	Rsa1.0.00022.1	727	200461	0	479	527	90 +	217	721	155495	156020
UN81319	Rsa1.0.02531.1	713	266414	0	367	376	97 +	340	713	128453	128822
UN81320	Rsa1.0.00213.1	278	108167	1.00E-65	168	181	92 -	97	276	58572	58745
UN81321	Rsa1.0.16411.1	551	2164	0	436	472	92 -	3	452	195	661
UN81322	Rsa1.0.04410.1	487	17495	0	471	484	97 -	5	487	2646	3128
UN81323	Rsa1.0.01281.1	399	49313	1.00E-143	319	338	94 +	58	395	27126	27452
UN81324	Rsa1.0.01293.1	686	49139	2.00E-78	164	169	97 +	228	396	31510	31678
UN81325	Rsa1.0.06373.1	165	11138	9.00E-87	162	162	100 -	3	164	6731	6892
UN81326	Rsa1.0.05954.1	120	12119	7.00E-62	120	120	100 +	1	120	6624	6743
UN81327	Rsa1.0.03131.1	650	25142	1.00E-106	208	212	98 -	1	212	12033	12244
UN81328	Rsa1.0.02018.1	242	35994	1.00E-89	202	211	95 +	34	242	4800	5010
UN81329	Rsa1.0.02022.1	571	35923	0	552	584	94 -	3	571	18363	18944
UN81330	Rsa1.0.00890.1	656	323870	0	652	655	99 +	2	656	308134	308788
UN81331	Rsa1.0.00039.1	625	296927	1.00E-121	220	220	100 -	1	220	213446	213665
UN81332	Rsa1.0.03949.1	700	19899	0	371	377	98 +	76	452	1	377
UN81333	Rsa1.0.01357.1	672	47280	7.00E-20	138	167	82 +	358	524	7108	7274
UN81334	Rsa1.0.00521.1	668	78191	4.00E-77	171	179	95 +	79	257	35263	35441
UN81335	Rsa1.0.00062.1	308	299291	1.00E-127	290	306	94 -	3	305	248364	248669
UN81336	Rsa1.0.00738.1	688	66322	1.00E-166	309	313	98 +	2	314	24863	25175
UN81337	Rsa1.0.00948.1	667	58620	0	398	399	99 +	269	667	20661	21059
UN81338	Rsa1.0.07182.1	611	9777	1.00E-161	352	367	95 -	251	611	7019	7381
UN81339	Rsa1.0.10575.1	619	5797	1.00E-51	122	128	95 -	426	553	985	1112
UN81340	Rsa1.0.00098.1	671	349239	0	515	545	94 -	132	671	234691	235222
UN81341	Rsa1.0.00663.1	646	164969	0	492	527	93 +	109	612	125123	125649
UN81342	Rsa1.0.00552.1	525	206757	1.00E-57	168	185	90 +	3	182	185095	185277
UN81343	Rsa1.0.02295.1	670	149884	0	652	668	97 +	3	670	121516	122180
UN81344	Rsa1.0.00156.1	606	118383	0	475	493	96 -	114	606	90643	91126
UN81345	Rsa1.0.46563.1	836	485	2.00E-60	133	135	98 +	54	186	1	135
UN81346	Rsa1.0.00467.1	765	156542	0	573	599	95 +	1	598	142261	142847
UN81347	Rsa1.0.01377.1	576	46967	1.00E-127	268	279	96 -	301	576	11426	11702
UN81348	Rsa1.0.00426.1	558	85668	0	417	435	95 -	108	542	31242	31676
UN81349	Rsa1.0.49110.1	731	462	0	401	421	95 -	57	477	57	462
UN81350	#	#	#	#	#	#	#	#	#	#	#
UN81351	Rsa1.0.08386.1	745	7438	0	742	749	99 +	1	745	1400	2148
UN81352	Rsa1.0.22975.1	597	1080	0	334	334	100 -	2	335	29	362

UN81353	Rsa1.0.00014.1	633	348985	0	619	632	97 +	2	633	229909	230540
UN81354	Rsa1.0.19149.1	744	1472	1.00E-147	298	309	96 -	240	548	257	565
UN81355	Rsa1.0.02330.1	769	32452	0	694	711	97 -	2	712	2456	3166
UN81356	Rsa1.0.00079.1	630	606987	1.00E-172	340	351	96 -	2	352	4648	4998
UN81357	Rsa1.0.04008.1	800	19584	1.00E-167	301	302	99 +	302	603	4686	4987
UN81358	Rsa1.0.01299.1	558	162028	1.00E-128	298	318	93 +	18	332	160813	161124
UN81359	Rsa1.0.04346.1	691	17813	1.00E-159	296	299	98 -	115	413	14808	15104
UN81360	Rsa1.0.00005.1	331	353093	1.00E-154	275	275	100 +	57	331	334794	335068
UN81361	Rsa1.0.02123.1	569	149053	1.00E-155	309	318	97 +	3	315	17008	17325
UN81362	Rsa1.0.02036.1	742	35731	0	455	459	99 -	195	653	14244	14702
UN81363	Rsa1.0.00115.1	751	131321	0	368	368	100 +	1	368	8837	9204
UN81364	Rsa1.0.00001.1	597	363028	1.00E-91	171	171	100 -	36	206	194681	194851
UN81365	Rsa1.0.02860.1	557	27207	0	389	391	99 -	56	446	17298	17688
UN81366	Rsa1.0.03843.1	754	20496	0	400	429	93 +	10	417	6093	6521
UN81367	Rsa1.0.00363.1	726	90968	5.00E-98	182	182	100 -	118	299	66191	66372
UN81368	Rsa1.0.15868.1	759	2382	0	507	526	96 -	121	646	1	526
UN81369	Rsa1.0.00413.1	659	86921	0	637	653	97 +	8	659	12204	12856
UN81370	Rsa1.0.00784.1	798	64359	0	783	805	97 +	2	798	51696	52500
UN81371	Rsa1.0.00450.1	327	139397	1.00E-124	236	238	99 -	3	239	22106	22343
UN81372	Rsa1.0.02971.1	771	26363	0	706	727	97 +	1	725	24958	25684
UN81373	Rsa1.0.00480.1	740	81325	0	599	628	95 +	3	630	7037	7646
UN81374	Rsa1.0.21957.1	796	1160	0	651	672	96 +	2	669	501	1160
UN81375	Rsa1.0.02435.1	538	31454	1.00E-107	217	223	97 -	2	224	19490	19709
UN81376	Rsa1.0.10699.1	708	5752	1.00E-158	341	353	96 -	361	708	4104	4453
UN81377	Rsa1.0.00517.1	657	142790	0	650	654	99 -	4	657	7659	8312
UN81378	Rsa1.0.42831.1	718	524	0	378	384	98 -	46	429	134	517
UN81379	Rsa1.0.00694.1	717	68074	1.00E-134	265	271	97 +	448	717	26247	26517
UN81380	Rsa1.0.04426.1	783	17399	1.00E-108	209	212	98 +	163	374	4047	4258
UN81381	Rsa1.0.10910.1	677	5681	0	642	666	96 +	1	664	4997	5662
UN81382	Rsa1.0.02572.1	490	29961	1.00E-165	353	369	95 -	117	481	24747	25115
UN81383	Rsa1.0.19490.1	747	1424	1.00E-124	226	226	100 +	2	227	1199	1424
UN81384	Rsa1.0.03642.1	710	21609	1.00E-108	283	305	92 -	408	710	5234	5528
UN81385	Rsa1.0.00013.1	602	292129	2.00E-84	186	195	95 +	121	315	242207	242401
UN81386	Rsa1.0.28524.1	622	812	1.00E-129	240	242	99 -	277	518	534	775
UN81387	Rsa1.0.31498.1	426	726	1.00E-97	199	205	97 +	132	336	522	726
UN81388	Rsa1.0.02136.1	717	34707	1.00E-144	270	272	99 +	447	717	3079	3350
UN81389	Rsa1.0.00659.1	525	69733	2.00E-59	129	133	96 +	393	525	20655	20787
UN81390	Rsa1.0.00838.1	553	153820	1.00E-151	301	311	96 -	2	312	52805	53115
UN81391	Rsa1.0.00538.1	213	77149	7.00E-45	112	116	96 +	100	213	16195	16310

UN81392	Rsa1.0_04684.1	557	16397	9.00E-25	165	198	83 +	129	324	15352	15548
UN81393	Rsa1.0_00900.1	684	60367	4.00E-92	186	190	97 -	43	229	28087	28276
UN81394	Rsa1.0_00045.1	615	328694	1.00E-171	329	335	98 +	3	336	309568	309900
UN81395	Rsa1.0_01540.1	720	151890	0	521	532	97 +	190	720	119493	120024
UN81396	Rsa1.0_08008.1	232	8086	1.00E-25	79	84	94 -	1	84	3535	3617
UN81397	Rsa1.0_00107.1	388	431659	3.00E-61	176	191	92 -	206	388	148756	148945
UN81398	Rsa1.0_28989.1	700	797	1.00E-119	241	250	96 -	3	252	213	453
UN81399	Rsa1.0_15610.1	153	2520	9.00E-62	146	151	96 -	6	153	14	163
UN81400	Rsa1.0_00189.1	716	111830	1.00E-135	247	248	99 -	1	248	57719	57966
UN81401	Rsa1.0_06521.1	728	10856	0	463	468	98 -	68	535	6201	6668
UN81402	Rsa1.0_00136.1	735	122464	1.00E-172	365	382	95 -	356	735	65533	65908
UN81403	Rsa1.0_00041.1	779	186197	1.00E-112	206	206	100 +	142	347	50650	50855
UN81404	Rsa1.0_00825.1	690	62855	1.00E-125	570	676	84 +	3	663	59723	60397
UN81405	Rsa1.0_01251.1	244	49873	1.00E-116	236	244	96 +	1	244	36506	36749
UN81406	Rsa1.0_00824.1	151	188447	1.00E-54	121	124	97 +	29	151	156071	156194
UN81407	Rsa1.0_00115.1	110	131321	5.00E-35	102	110	92 -	1	110	99008	99115
UN81408	Rsa1.0_00937.1	593	59061	1.00E-133	269	277	97 +	318	593	21301	21577
UN81409	Rsa1.0_00344.1	701	191774	0	697	700	99 -	3	701	156527	157226
UN81410	Rsa1.0_00719.1	707	66952	0	376	379	99 +	2	380	24562	24940
UN81411	Rsa1.0_01198.1	624	51029	0	447	451	99 -	174	624	21072	21522
UN81412	Rsa1.0_01123.1	236	53359	2.00E-67	155	162	95 -	1	162	14738	14898
UN81413	Rsa1.0_07654.1	283	8917	1.00E-117	275	292	94 +	1	283	3878	4169
UN81414	Rsa1.0_02004.1	697	169138	0	489	502	97 +	3	504	155149	155649
UN81415	Rsa1.0_00040.1	748	324196	0	455	469	97 -	3	471	323206	323671
UN81416	Rsa1.0_01801.1	747	39094	0	654	704	92 -	53	747	21721	22403
UN81417	Rsa1.0_00094.1	732	139042	1.00E-167	331	342	96 -	391	732	29200	29541
UN81418	Rsa1.0_00382.1	594	251946	0	355	362	98 -	27	388	67083	67442
UN81419	Rsa1.0_02239.1	678	33534	0	612	676	90 +	2	671	2325	2986
UN81420	Rsa1.0_01779.1	116	39448	9.00E-43	112	116	96 +	1	116	11673	11785
UN81421	Rsa1.0_04023.1	508	19522	0	504	507	99 -	3	508	7867	8373
UN81422	Rsa1.0_75906.1	468	302	1.00E-160	295	298	98 +	126	423	5	302
UN81423	#	#	#	#	#	#	#	#	#	#	#
UN81424	Rsa1.0_00190.1	761	318240	1.00E-159	331	346	95 -	9	354	283349	283691
UN81425	Rsa1.0_02358.1	710	32213	0	592	607	97 -	2	608	14118	14724
UN81426	Rsa1.0_01137.1	741	52655	0	436	452	96 +	1	452	17699	18150
UN81427	Rsa1.0_15328.1	753	2683	1.00E-104	213	220	96 +	332	551	1677	1896
UN81428	Rsa1.0_00012.1	605	222148	1.00E-180	362	376	96 -	230	605	52419	52794
UN81429	Rsa1.0_00576.1	688	178949	0	673	686	98 -	2	686	160549	161234
UN81430	Rsa1.0_04852.1	565	15712	3.00E-89	173	175	98 -	341	515	10235	10409

UN81431	Rsa1.0_01092.1	662	54348	1.00E-159	299	304	98 -	7	310	4777	5080
UN81432	Rsa1.0_01068.1	754	55208	0	465	497	93 +	4	490	34527	35017
UN81433	Rsa1.0_00351.1	752	413096	0	527	546	96 +	5	535	376149	376694
UN81434	Rsa1.0_00128.1	732	228675	0	635	684	92 -	28	695	139631	140305
UN81435	Rsa1.0_00208.1	466	108565	8.00E-96	178	178	100 -	6	183	68892	69069
UN81436	Rsa1.0_00664.1	439	69573	1.00E-127	282	295	95 +	143	433	1721	2012
UN81437	Rsa1.0_00218.1	791	201480	0	737	766	96 -	2	762	45555	46320
UN81438	Rsa1.0_00020.1	740	283099	0	447	462	96 -	149	607	11470	11931
UN81439	Rsa1.0_02317.1	573	32600	0	561	580	96 -	1	573	12847	13422
UN81440	Rsa1.0_05948.1	746	12142	1.00E-101	205	211	97 +	355	565	3691	3901
UN81441	#	#	#	#	#	#	#	#	#	#	#
UN81442	Rsa1.0_02267.1	580	33194	1.00E-116	225	229	98 -	333	561	30985	31213
UN81443	Rsa1.0_01176.1	176	51638	4.00E-58	163	173	94 -	3	169	28362	28534
UN81444	Rsa1.0_00020.1	565	283099	1.00E-117	247	258	95 -	106	363	76615	76872
UN81445	Rsa1.0_62130.1	622	369	0	367	369	99 -	130	498	1	369
UN81446	Rsa1.0_00002.1	670	601661	5.00E-98	209	218	95 -	1	218	558227	558444
UN81447	Rsa1.0_00437.1	761	84879	1.00E-107	250	267	93 -	154	417	71069	71335
UN81448	Rsa1.0_00173.1	722	288743	5.00E-67	139	142	97 +	168	309	43547	43688
UN81449	Rsa1.0_00434.1	109	85171	5.00E-50	107	108	99 +	3	109	74761	74868
UN81450	Rsa1.0_00928.1	452	59293	6.00E-44	106	111	95 +	205	315	6782	6892
UN81451	Rsa1.0_01992.1	762	36424	0	460	466	98 -	300	762	5867	6332
UN81452	Rsa1.0_42857.1	737	524	1.00E-120	247	256	96 -	461	716	99	354
UN81453	#	#	#	#	#	#	#	#	#	#	#
UN81454	Rsa1.0_01600.1	678	42537	0	649	667	97 +	5	667	5071	5737
UN81455	Rsa1.0_01450.1	702	144251	0	614	655	93 +	3	653	36503	37155
UN81456	Rsa1.0_02312.1	774	32675	0	379	384	98 -	2	385	21804	22187
UN81457	#	#	#	#	#	#	#	#	#	#	#
UN81458	Rsa1.0_04635.1	597	16569	1.00E-135	334	361	92 +	201	559	6513	6873
UN81459	Rsa1.0_00275.1	766	210104	1.00E-139	309	327	94 -	166	491	152106	152432
UN81460	Rsa1.0_33878.1	777	669	7.00E-79	162	165	98 +	416	578	161	325
UN81461	Rsa1.0_00042.1	645	171507	1.00E-144	337	362	93 -	275	633	41757	42118
UN81462	Rsa1.0_09200.1	682	6562	1.00E-141	255	255	100 -	428	682	6059	6313
UN81463	Rsa1.0_10047.1	784	6026	1.00E-109	204	205	99 -	451	655	3	207
UN81464	Rsa1.0_00863.1	699	254535	1.00E-104	207	212	97 -	177	388	243379	243590
UN81465	Rsa1.0_02680.1	710	28721	7.00E-91	184	188	97 -	170	354	20871	21058
UN81466	Rsa1.0_04213.1	606	18437	2.00E-66	144	148	97 +	1	146	16985	17132
UN81467	Rsa1.0_01021.1	718	56610	0	644	673	95 -	49	718	39749	40417
UN81468	Rsa1.0_00111.1	662	390088	1.00E-147	321	339	94 +	321	659	5357	5688
UN81469	Rsa1.0_15757.1	796	2442	1.00E-139	251	251	100 +	424	674	482	732

UN81470	Rsa1.0.00181.1	766	114269	1.00E-172	337	347	97 +	1	347	14807	15153
UN81471	Rsa1.0.01055.1	689	55466	0	669	702	95 +	1	689	11164	11853
UN81472	Rsa1.0.03565.1	718	22062	1.00E-175	361	379	95 -	36	405	3777	4155
UN81473	Rsa1.0.06978.1	643	10073	1.00E-151	289	295	97 -	121	415	2434	2728
UN81474	Rsa1.0.00725.1	634	66757	0	609	630	96 +	5	634	38950	39579
UN81475	Rsa1.0.00155.1	763	118465	1.00E-153	299	307	97 +	389	695	30835	31141
UN81476	Rsa1.0.01233.1	500	50184	1.00E-79	160	163	98 -	3	165	47505	47667
UN81477	Rsa1.0.03218.1	696	24539	1.00E-58	125	128	97 -	203	330	7308	7435
UN81478	Rsa1.0.04578.1	630	16774	6.00E-48	424	532	79 +	90	618	2996	3527
UN81479	Rsa1.0.00588.1	690	73939	1.00E-110	215	219	98 +	442	660	73721	73939
UN81480	Rsa1.0.00059.1	342	159650	1.00E-103	278	307	90 +	3	303	121125	121422
UN81481	Rsa1.0.00017.1	663	752458	1.00E-101	212	220	96 +	104	323	350959	351178
UN81482	#	#	#	#	#	#	#	#	#	#	#
UN81483	Rsa1.0.00121.1	697	278029	2.00E-66	141	145	97 -	427	571	35361	35505
UN81484	Rsa1.0.00348.1	737	92818	0	606	642	94 +	2	641	26382	27023
UN81485	Rsa1.0.01924.1	750	37226	0	407	413	98 +	8	420	22723	23135
UN81486	Rsa1.0.03504.1	677	22443	1.00E-109	219	225	97 -	453	677	6247	6471
UN81487	Rsa1.0.00120.1	316	277288	4.00E-84	173	178	97 +	94	271	14013	14190
UN81488	Rsa1.0.00087.1	641	761073	1.00E-169	316	321	98 -	199	519	68500	68820
UN81489	Rsa1.0.00651.1	621	247766	0	437	449	97 -	10	458	225035	225483
UN81490	Rsa1.0.00039.1	723	296927	1.00E-67	143	147	97 +	204	350	10914	11060
UN81491	Rsa1.0.49520.1	703	458	1.00E-145	303	315	96 +	61	367	1	314
UN81492	Rsa1.0.01633.1	704	41868	0	436	447	97 +	215	661	7255	7700
UN81493	Rsa1.0.04139.1	238	18883	9.00E-97	231	243	95 +	3	238	17802	18042
UN81494	Rsa1.0.00097.1	757	138858	0	487	505	96 +	247	742	45049	45553
UN81495	Rsa1.0.10577.1	730	5796	0	511	511	100 +	1	511	332	842
UN81496	Rsa1.0.24740.1	761	969	1.00E-173	366	383	95 +	382	761	476	858
UN81497	Rsa1.0.00085.1	694	142226	0	680	692	98 +	3	694	18364	19049
UN81498	Rsa1.0.01303.1	728	48853	1.00E-174	353	367	96 +	4	370	14048	14411
UN81499	Rsa1.0.20026.1	792	1350	5.00E-95	203	211	96 +	154	364	253	460
UN81500	Rsa1.0.57594.1	690	397	1.00E-170	376	399	94 -	51	445	1	397
UN81501	Rsa1.0.01375.1	695	47038	1.00E-103	255	277	92 -	172	437	13353	13629
UN81502	Rsa1.0.00119.1	629	467509	0	609	636	95 +	1	629	91672	92300
UN81503	Rsa1.0.00476.1	736	280966	1.00E-106	340	390	87 -	3	383	156495	156858
UN81504	Rsa1.0.01712.1	381	154210	0	371	381	97 +	1	381	9171	9551
UN81505	Rsa1.0.01675.1	584	41155	1.00E-139	300	318	94 +	3	320	28354	28656
UN81506	Rsa1.0.00434.1	703	85171	0	462	476	97 -	233	703	1594	2069
UN81507	Rsa1.0.03448.1	567	22844	0	499	519	96 +	3	514	2160	2677
UN81508	Rsa1.0.00300.1	734	97747	1.00E-173	562	643	87 +	94	731	1555	2193

UN81509	Rsa1.0.02883.1	777	27035	1.00E-109	226	233	96 -	518	749	9456	9688
UN81510	Rsa1.0.17834.1	801	1729	0	418	430	97 +	270	698	422	851
UN81511	Rsa1.0.00013.1	639	292129	0	446	446	100 -	194	639	225802	226247
UN81512	Rsa1.0.00418.1	443	215377	0	435	443	98 -	1	443	16448	16888
UN81513	Rsa1.0.04142.1	512	18861	1.00E-110	206	207	99 -	306	512	12682	12888
UN81514	Rsa1.0.11024.1	615	5644	1.00E-174	332	339	97 -	45	379	5010	5348
UN81515	Rsa1.0.02281.1	610	292576	1.00E-143	273	278	98 +	39	316	15443	15720
UN81516	Rsa1.0.14686.1	651	3157	0	514	534	96 +	3	533	2542	3070
UN81517	#	#	#	#	#	#	#	#	#	#	#
UN81518	Rsa1.0.00722.1	197	66840	1.00E-92	193	199	96 -	1	197	50241	50439
UN81519	Rsa1.0.00722.1	199	66840	1.00E-109	199	199	100 -	1	199	50241	50439
UN81520	Rsa1.0.00062.1	123	299291	3.00E-61	119	119	100 -	1	119	22765	22883
UN81521	Rsa1.0.00198.1	343	222963	6.00E-99	270	294	91 -	1	291	131420	131711
UN81522	#	#	#	#	#	#	#	#	#	#	#
UN81523	Rsa1.0.02711.1	101	28475	5.00E-50	100	100	100 -	1	100	20294	20393
UN81524	Rsa1.0.57530.1	125	398	3.00E-24	60	61	98 -	65	125	131	191
UN81525	Rsa1.0.02331.1	362	32449	1.00E-102	203	207	98 -	159	362	2239	2445
UN81526	Rsa1.0.04941.1	109	15382	4.00E-54	107	107	100 +	1	107	12198	12304
UN81527	Rsa1.0.00921.1	153	59599	5.00E-76	147	148	99 +	6	153	23862	24009
UN81528	Rsa1.0.03306.1	352	23873	0	349	352	99 -	1	352	13676	14027
UN81529	Rsa1.0.03111.1	293	25327	1.00E-114	212	213	99 -	81	293	6517	6729
UN81530	Rsa1.0.00631.1	549	71277	0	548	549	99 +	1	549	1123	1670
UN81531	Rsa1.0.03253.1	484	24321	0	483	485	99 +	1	484	9570	10054
UN81532	Rsa1.0.00491.1	461	80219	1.00E-136	248	249	99 +	1	249	40741	40989
UN81533	Rsa1.0.08162.1	545	7813	0	545	545	100 -	1	545	6408	6952
UN81534	Rsa1.0.00911.1	365	59943	1.00E-176	355	368	96 +	1	365	51440	51804
UN81535	Rsa1.0.00401.1	562	244410	0	470	488	96 -	1	488	173159	173643
UN81536	Rsa1.0.05503.1	240	13510	3.00E-66	135	136	99 +	1	136	3095	3229
UN81537	Rsa1.0.00003.1	104	340054	4.00E-38	98	104	94 +	1	104	292799	292902
UN81538	Rsa1.0.04318.1	391	17947	0	391	391	100 +	1	391	8906	9296
UN81539	Rsa1.0.00217.1	556	107079	3.00E-68	132	132	100 -	289	420	60333	60464
UN81540	Rsa1.0.02671.1	517	28887	0	512	517	99 -	1	517	4717	5233
UN81541	Rsa1.0.00015.1	544	561803	0	542	543	99 +	1	543	221970	222512
UN81542	Rsa1.0.01951.1	307	36941	1.00E-168	305	307	99 -	1	307	14463	14769
UN81543	Rsa1.0.01898.1	490	37491	1.00E-164	350	365	95 -	1	364	33926	34288
UN81544	Rsa1.0.00094.1	266	139042	2.00E-64	188	201	93 -	70	266	60576	60774
UN81545	Rsa1.0.02053.1	507	35554	5.00E-48	98	98	100 +	171	268	2146	2243
UN81546	Rsa1.0.00087.1	449	761073	1.00E-110	229	239	95 -	202	440	532060	532293
UN81547	Rsa1.0.01005.1	351	56967	4.00E-97	296	331	89 +	21	351	37715	38031

UN81548	Rsa1.0.01022.1	348	56606	7.00E-80	183	194	94 +	140	333	29620	29813
UN81549	Rsa1.0.01373.1	360	47052	1.00E-178	350	361	96 +	1	360	31682	32034
UN81550	Rsa1.0.12326.1	519	5255	0	355	360	98 +	160	519	4448	4807
UN81551	Rsa1.0.00069.1	500	403561	5.00E-88	187	193	96 -	261	452	134941	135133
UN81552	Rsa1.0.00355.1	515	92038	1.00E-106	357	411	86 -	85	484	77872	78261
UN81553	Rsa1.0.02713.1	534	28470	0	344	344	100 -	84	427	26027	26370
UN81554	Rsa1.0.32049.1	421	711	0	391	410	95 +	12	421	249	656
UN81555	Rsa1.0.01418.1	658	46237	0	643	653	98 +	9	655	6815	7467
UN81556	Rsa1.0.03058.1	623	25715	0	494	512	96 +	113	623	4691	5202
UN81557	Rsa1.0.02474.1	574	31076	7.00E-66	131	132	99 +	412	543	27939	28070
UN81558	Rsa1.0.00019.1	513	301669	0	492	505	97 -	9	513	120222	120722
UN81559	Rsa1.0.00939.1	513	185227	1.00E-170	303	303	100 -	211	513	41193	41495
UN81560	Rsa1.0.02237.1	426	33544	1.00E-128	232	232	100 +	195	426	3506	3737
UN81561	Rsa1.0.49765.1	348	456	3.00E-57	119	121	98 +	228	348	294	414
UN81562	Rsa1.0.03347.1	868	23588	0	862	862	100 -	7	868	18219	19080
UN81563	Rsa1.0.01656.1	859	41494	0	405	405	100 -	9	413	37155	37559
UN81564	Rsa1.0.05995.1	809	11997	0	374	374	100 -	9	382	10944	11317
UN81565	Rsa1.0.01898.1	806	37491	0	566	571	99 -	9	579	3293	3863
UN81566	Rsa1.0.06386.1	803	140583	0	719	720	99 -	84	803	134580	135299
UN81567	Rsa1.0.00679.1	801	68971	0	593	602	98 -	195	796	19280	19881
UN81568	Rsa1.0.67954.1	785	337	1.00E-157	282	282	100 +	145	426	10	291
UN81569	Rsa1.0.03037.1	771	25825	0	682	717	95 -	59	760	15334	16047
UN81570	Rsa1.0.00341.1	782	249309	0	671	691	97 +	9	699	247314	247989
UN81571	Rsa1.0.01990.1	781	36431	0	493	494	99 -	288	781	27819	28312
UN81572	Rsa1.0.36932.1	780	610	0	466	469	99 +	9	477	142	610
UN81573	Rsa1.0.05594.1	780	13229	0	760	772	98 +	9	780	10809	11580
UN81574	Rsa1.0.00890.1	778	323870	1.00E-113	222	227	97 +	547	773	190588	190814
UN81575	Rsa1.0.00593.1	773	143463	0	544	594	91 -	9	586	61480	62058
UN81576	Rsa1.0.00016.1	769	831256	0	748	755	99 +	15	769	651135	651889
UN81577	Rsa1.0.01394.1	746	46641	0	460	460	100 -	173	632	21971	22430
UN81578	Rsa1.0.00132.1	759	124299	0	750	750	100 +	10	759	45750	46499
UN81579	Rsa1.0.00414.1	725	202190	0	369	370	99 +	9	378	66401	66770
UN81580	Rsa1.0.01126.1	749	53127	1.00E-106	233	245	95 -	140	384	15539	15780
UN81581	Rsa1.0.01273.1	747	49464	4.00E-43	114	122	93 +	577	698	31058	31179
UN81582	Rsa1.0.00937.1	747	59061	0	717	743	96 +	9	747	22589	23329
UN81583	Rsa1.0.00286.1	722	98709	1.00E-122	229	231	99 +	492	722	13001	13231
UN81584	Rsa1.0.46823.1	725	482	1.00E-153	280	282	99 -	444	725	133	414
UN81585	Rsa1.0.01593.1	722	150996	0	590	620	95 +	100	719	109422	110041
UN81586	Rsa1.0.01600.1	696	42537	0	665	678	98 -	9	685	4827	5501

UN81587	Rsa1.0_00612.1	652	72376	1.00E-165	294	294	100 -	359	652	35407	35700
UN81588	Rsa1.0_01458.1	634	175719	1.00E-160	388	421	92 -	214	634	28273	28686
UN81589	Rsa1.0_00068.1	638	151813	0	416	430	96 +	212	638	134543	134964
UN81590	Rsa1.0_02930.1	622	26668	0	618	622	99 -	1	622	1691	2312
UN81591	Rsa1.0_01110.1	629	195852	1.00E-103	283	312	90 -	313	623	175780	176078
UN81592	Rsa1.0_01478.1	615	44991	0	498	500	99 +	116	615	31257	31756
UN81593	Rsa1.0_00082.1	583	237584	1.00E-104	374	433	86 -	145	577	68551	68982
UN81594	Rsa1.0_00245.1	373	103569	6.00E-22	90	102	88 +	228	329	80584	80685
UN81595	Rsa1.0_00777.1	256	191865	3.00E-38	187	217	86 +	3	215	180705	180921
UN81596	Rsa1.0_00404.1	207	87635	2.00E-38	159	182	87 -	26	201	87454	87635
UN81597	Rsa1.0_00078.1	246	175053	3.00E-35	120	132	90 -	116	246	66716	66846
UN81598	Rsa1.0_07516.1	211	9218	6.00E-27	162	192	84 -	10	192	6759	6949
UN81599	#	#	#	#	#	#	#	#	#	#	#
UN81600	Rsa1.0_27986.1	344	831	4.00E-29	85	90	94 +	245	333	142	231
UN81601	Rsa1.0_05931.1	306	12210	1.00E-44	116	124	93 +	135	258	2641	2764
UN81602	Rsa1.0_00143.1	246	121313	2.00E-64	181	192	94 +	1	186	64158	64348
UN81603	#	#	#	#	#	#	#	#	#	#	#
UN81604	Rsa1.0_00090.1	270	273859	5.00E-74	199	217	91 +	1	216	219008	219224
UN81605	#	#	#	#	#	#	#	#	#	#	#
UN81606	#	#	#	#	#	#	#	#	#	#	#
UN81607	Rsa1.0_12650.1	330	5164	3.00E-48	150	161	93 +	1	150	149	309
UN81608	Rsa1.0_07516.1	185	9218	3.00E-59	147	152	96 -	11	158	6719	6870
UN81609	Rsa1.0_00142.1	253	121474	6.00E-15	51	54	94 +	50	103	82856	82909
UN81610	Rsa1.0_00087.1	230	761073	3.00E-13	54	59	91 -	172	230	99413	99471
UN81611	#	#	#	#	#	#	#	#	#	#	#
UN81612	Rsa1.0_00001.1	208	363028	1.00E-30	162	188	86 -	24	208	155604	155790
UN81613	Rsa1.0_00620.1	240	71985	2.00E-24	106	118	89 -	15	129	58404	58521
UN81614	#	#	#	#	#	#	#	#	#	#	#
UN81615	#	#	#	#	#	#	#	#	#	#	#
UN81616	#	#	#	#	#	#	#	#	#	#	#
UN81617	#	#	#	#	#	#	#	#	#	#	#
UN81618	Rsa1.0_02199.1	173	33982	4.00E-15	60	66	90 -	40	105	30771	30836
UN81619	#	#	#	#	#	#	#	#	#	#	#
UN81620	Rsa1.0_04991.1	492	15215	1.00E-143	270	274	98 -	219	492	9771	10044
UN81621	#	#	#	#	#	#	#	#	#	#	#
UN81622	Rsa1.0_00077.1	331	145005	2.33E-156	326	339	96 +	2	331	129103	129440
UN81623	#	#	#	#	#	#	#	#	#	#	#
UN81624	Rsa1.0_01510.1	245	44237	1.00E-46	185	210	88 +	18	224	4379	4586
UN81625	Rsa1.0_01559.1	267	43262	6.00E-12	58	65	89 -	203	267	35688	35752

UN81704	Rsa1.0_00407.1	252	191544	6.00E-18	69	75	92 -	139	212	186783	186857
UN81705	#	#	#	#	#	#	#	#	#	#	#
UN81706	#	#	#	#	#	#	#	#	#	#	#
UN81707	Rsa1.0_23887.1	222	1019	1.00E-21	107	120	89 +	4	118	672	791
UN81708	Rsa1.0_00253.1	290	231292	1.00E-50	127	133	95 +	66	195	97350	97482
UN81709	Rsa1.0_00464.1	231	82253	9.00E-20	96	109	88 -	14	119	12262	12370
UN81710	Rsa1.0_05211.1	213	14493	7.00E-11	63	71	88 -	144	213	6330	6400
UN81711	Rsa1.0_10856.1	251	5700	1.00E-12	44	46	95 -	14	59	141	186
UN81712	Rsa1.0_00451.1	181	322533	2.00E-14	82	93	88 -	84	174	245689	245781
UN81713	#	#	#	#	#	#	#	#	#	#	#
UN81714	Rsa1.0_33317.1	222	681	2.00E-42	117	124	94 +	18	139	217	340
UN81715	Rsa1.0_00714.1	188	67187	7.00E-20	99	110	90 -	67	172	49197	49306
UN81716	Rsa1.0_00162.1	164	239935	6.00E-14	78	88	88 -	79	164	113098	113185
UN81717	#	#	#	#	#	#	#	#	#	#	#
UN81718	Rsa1.0_26735.1	241	880	8.00E-11	62	70	88 +	174	241	332	401
UN81719	Rsa1.0_00110.1	229	132719	5.00E-18	161	188	85 -	1	171	92107	92294
UN81720	Rsa1.0_02961.1	268	26435	1.00E-62	177	186	95 +	86	264	15359	15544
UN81721	#	#	#	#	#	#	#	#	#	#	#
UN81722	Rsa1.0_00023.1	219	194764	1.00E-12	81	90	90 -	134	219	4308	4397
UN81723	#	#	#	#	#	#	#	#	#	#	#
UN81724	#	#	#	#	#	#	#	#	#	#	#
UN81725	#	#	#	#	#	#	#	#	#	#	#
UN81726	Rsa1.0_07914.1	169	8294	6.00E-20	71	74	95 -	99	169	4245	4318
UN81727	Rsa1.0_03837.1	158	20559	8.00E-13	81	90	90 +	39	124	19922	20011
UN81728	Rsa1.0_03263.1	225	24268	1.00E-12	48	50	96 -	83	131	7534	7583
UN81729	#	#	#	#	#	#	#	#	#	#	#
UN81730	#	#	#	#	#	#	#	#	#	#	#
UN81731	Rsa1.0_00344.1	182	191774	7.00E-17	58	61	95 -	3	63	126872	126931
UN81732	#	#	#	#	#	#	#	#	#	#	#
UN81733	Rsa1.0_01352.1	190	47443	3.00E-13	78	87	89 +	84	168	4739	4824
UN81734	#	#	#	#	#	#	#	#	#	#	#
UN81735	Rsa1.0_01929.1	230	37191	5.00E-12	60	65	92 +	149	211	21248	21312
UN81736	Rsa1.0_00484.1	280	203294	2.00E-21	107	119	89 -	169	280	191052	191170
UN81737	#	#	#	#	#	#	#	#	#	#	#
UN81738	#	#	#	#	#	#	#	#	#	#	#
UN81739	#	#	#	#	#	#	#	#	#	#	#
UN81740	Rsa1.0_00991.1	184	143101	6.00E-14	53	56	94 +	124	178	41863	41918
UN81741	Rsa1.0_00905.1	190	60110	5.00E-21	55	56	98 +	122	177	26632	26687
UN81742	Rsa1.0_01352.1	217	47443	7.00E-11	57	62	91 -	28	86	16569	16630

UN81743	#	#	#	#	#	#	#	#	#	#	#	#	#
UN81744	#	#	#	#	#	#	#	#	#	#	#	#	#
UN81745	Rsa1.0_00942.1		874	58873	0	870	870	100 +		5	874	48961	49830
UN81746	Rsa1.0_02276.1		827	33098	0	827	827	100 +		1	827	5546	6372
UN81747	Rsa1.0_00121.1		688	278029	0	688	688	100 -		1	688	124965	125652
UN81748	Rsa1.0_03431.1		834	22974	0	812	812	100 -		23	834	18078	18889
UN81749	Rsa1.0_00087.1		622	761073	1.00E-115	231	238	97 +		4	241	11778	12015
UN81750	Rsa1.0_00302.1		889	97521	0	451	451	100 +		1	451	9732	10182
UN81751	Rsa1.0_02749.1		858	28241	0	543	544	99 -		1	544	15923	16465
UN81752	Rsa1.0_00053.1		842	263459	0	829	842	98 -		1	842	157223	158064
UN81753	Rsa1.0_04474.1		858	17191	3.00E-81	224	246	91 -		57	301	14574	14819
UN81754	Rsa1.0_00424.1		834	86005	0	834	834	100 -		1	834	73721	74554
UN81755	Rsa1.0_00107.1		774	431659	0	771	771	100 +		4	774	129868	130638
UN81756	Rsa1.0_05687.1		510	12932	1.00E-180	319	319	100 -		192	510	4236	4554
UN81757	Rsa1.0_01651.1		837	41586	1.00E-86	163	163	100 +		156	318	40502	40664
UN81758	Rsa1.0_00724.1		860	66789	0	685	693	98 -		1	692	12453	13143
UN81759	Rsa1.0_00563.1		457	75491	1.00E-157	281	281	100 -		177	457	70918	71198
UN81760	Rsa1.0_00045.1		810	328694	1.00E-123	225	225	100 +		1	225	16965	17189
UN81761	Rsa1.0_00285.1		846	149638	1.00E-176	323	325	99 -		523	846	71540	71864
UN81762	Rsa1.0_01741.1		874	39976	7.00E-33	91	97	93 -		145	241	9296	9392
UN81763	Rsa1.0_02043.1		875	163754	0	874	876	99 +		1	875	152542	153417
UN81764	Rsa1.0_01957.1		777	36844	0	407	422	96 -		348	769	27271	27692
UN81765	Rsa1.0_02532.1		787	30403	2.00E-72	148	151	98 +		35	185	15473	15623
UN81766	Rsa1.0_01022.1		508	56606	0	508	508	100 -		1	508	22316	22823
UN81767	Rsa1.0_02953.1		396	26487	1.00E-167	370	393	94 -		1	392	18574	18966
UN81768	Rsa1.0_03882.1		882	20290	0	875	875	100 +		8	882	19006	19880
UN81769	Rsa1.0_03904.1		872	20162	0	510	545	93 -		341	872	5439	5983
UN81770	Rsa1.0_00519.1		764	197864	0	763	764	99 +		1	764	190920	191683
UN81771	Rsa1.0_00249.1		515	153740	0	384	401	95 -		115	515	31206	31606
UN81772	Rsa1.0_00320.1		660	95784	0	385	397	96 -		32	425	23367	23763
UN81773	Rsa1.0_00016.1		196	831256	1.00E-102	194	196	98 +		1	196	773582	773777
UN81774	Rsa1.0_06270.1		461	11351	0	460	462	99 +		1	461	2739	3200
UN81775	Rsa1.0_01294.1		715	49090	1.00E-162	290	290	100 -		426	715	16913	17202
UN81776	Rsa1.0_00195.1		636	251884	0	634	636	99 +		1	636	246500	247135
UN81777	Rsa1.0_00451.1		837	322533	1.00E-166	323	332	97 -		506	837	52530	52861
UN81778	Rsa1.0_15596.1		839	2529	2.00E-73	161	165	97 -		1	163	1406	1570
UN81779	Rsa1.0_01960.1		838	36766	0	838	839	99 +		1	838	26200	27038
UN81780	Rsa1.0_00170.1		827	179538	0	824	827	99 -		1	827	34243	35068
UN81781	Rsa1.0_00083.1		828	442773	1.00E-115	211	211	100 +		150	360	306825	307035

UN81782	Rsa1.0_00202.1	844	185895	0	549	550	99 +	295	844	8512	9061
UN81783	Rsa1.0_00194.1	863	110851	0	862	863	99 +	1	863	83925	84786
UN81784	Rsa1.0_02722.1	836	28417	0	835	836	99 -	1	836	7542	8377
UN81785	Rsa1.0_00498.1	883	79746	0	371	371	100 -	1	371	52529	52899
UN81786	Rsa1.0_00549.1	841	76473	0	841	841	100 +	1	841	28733	29573
UN81787	Rsa1.0_02398.1	844	31766	0	640	641	99 +	204	844	1020	1660
UN81788	Rsa1.0_01418.1	754	46237	0	747	755	98 +	1	754	36704	37458
UN81789	Rsa1.0_06739.1	531	10441	0	531	532	99 -	1	531	6492	7023
UN81790	Rsa1.0_00207.1	846	248736	0	413	435	94 +	187	617	64089	64519
UN81791	#	#	#	#	#	#	#	#	#	#	#
UN81792	Rsa1.0_00546.1	842	76523	1.00E-104	193	193	100 -	252	444	64725	64917
UN81793	Rsa1.0_06134.1	324	11662	1.00E-164	308	312	98 -	14	324	10050	10361
UN81794	Rsa1.0_00780.1	897	147795	0	897	897	100 -	1	897	145601	146497
UN81795	Rsa1.0_05726.1	841	12809	0	841	841	100 -	1	841	4096	4936
UN81796	Rsa1.0_00952.1	834	58450	0	789	790	99 +	1	790	57662	58450
UN81797	Rsa1.0_00015.1	617	561803	0	617	617	100 -	1	617	235655	236271
UN81798	Rsa1.0_01300.1	163	48942	2.00E-87	163	163	100 +	1	163	20253	20415
UN81799	Rsa1.0_01753.1	828	39794	0	412	414	99 -	8	419	26972	27385
UN81800	Rsa1.0_00526.1	775	169279	1.00E-175	329	332	99 -	1	330	146461	146792
UN81801	Rsa1.0_02528.1	627	30452	1.00E-168	339	352	96 -	95	446	29188	29539
UN81802	Rsa1.0_01646.1	840	41735	0	529	530	99 -	1	529	26289	26818
UN81803	Rsa1.0_03485.1	849	22606	0	549	575	95 +	4	577	9640	10203
UN81804	Rsa1.0_01921.1	793	168088	0	514	515	99 +	3	517	152324	152838
UN81805	Rsa1.0_00860.1	877	61789	0	876	877	99 +	1	877	14568	15444
UN81806	Rsa1.0_55354.1	826	413	0	413	413	100 +	25	437	1	413
UN81807	Rsa1.0_16652.1	851	2078	1.00E-104	455	537	84 +	111	644	434	969
UN81808	Rsa1.0_11160.1	666	5600	1.00E-134	251	254	98 -	1	254	134	387
UN81809	Rsa1.0_00196.1	345	109960	0	341	345	98 -	1	345	90503	90844
UN81810	Rsa1.0_00071.1	204	345714	1.00E-111	204	204	100 -	1	204	105611	105814
UN81811	Rsa1.0_01410.1	909	46345	1.00E-89	168	168	100 -	245	412	27862	28029
UN81812	Rsa1.0_10153.1	896	5974	0	831	880	94 +	17	896	5089	5953
UN81813	Rsa1.0_00116.1	788	365886	0	328	328	100 +	8	335	167250	167577
UN81814	Rsa1.0_00144.1	794	120708	0	328	330	99 +	465	794	114417	114746
UN81815	Rsa1.0_01044.1	837	55861	0	802	837	95 -	1	837	15933	16751
UN81816	Rsa1.0_01484.1	258	44806	3.00E-41	161	184	87 +	44	226	14382	14562
UN81817	Rsa1.0_00347.1	841	93048	0	473	477	99 -	366	841	65961	66437
UN81818	Rsa1.0_00035.1	832	176449	0	528	531	99 -	302	832	114973	115502
UN81819	Rsa1.0_00556.1	845	207212	0	549	582	94 -	237	815	32109	32669
UN81820	Rsa1.0_04859.1	829	15699	9.00E-94	181	183	98 -	63	245	5687	5869

UN81821	Rsa1.0.03702.1	830	21292	0	830	831	99 -	1	830	12683	13513
UN81822	Rsa1.0.00293.1	888	339294	0	888	888	100 +	1	888	286625	287512
UN81823	Rsa1.0.04986.1	863	15229	0	453	453	100 +	242	694	4388	4840
UN81824	Rsa1.0.06503.1	838	10881	0	766	790	96 -	49	838	6488	7274
UN81825	Rsa1.0.01234.1	813	50183	0	813	813	100 +	1	813	8101	8913
UN81826	#	#	#	#	#	#	#	#	#	#	#
UN81827	Rsa1.0.00682.1	777	68680	1.00E-153	298	306	97 +	9	314	11203	11508
UN81828	Rsa1.0.02518.1	890	30586	0	888	891	99 +	2	890	23579	24469
UN81829	Rsa1.0.05013.1	852	15131	1.00E-155	278	278	100 -	6	283	14497	14774
UN81830	Rsa1.0.24532.1	804	982	1.00E-165	295	295	100 +	375	669	250	544
UN81831	Rsa1.0.05399.1	199	13879	6.00E-73	172	183	93 +	1	183	13269	13451
UN81832	Rsa1.0.00498.1	874	79746	0	364	364	100 -	7	370	66593	66956
UN81833	Rsa1.0.01579.1	565	42860	0	561	568	98 -	1	565	32318	32885
UN81834	Rsa1.0.00108.1	643	478491	0	641	644	99 -	1	643	108472	109115
UN81835	Rsa1.0.00019.1	499	301669	1.00E-131	352	385	91 +	128	499	109894	110272
UN81836	Rsa1.0.02349.1	397	32312	0	383	398	96 -	1	397	967	1363
UN81837	Rsa1.0.03001.1	413	26108	0	405	406	99 -	1	406	5577	5982
UN81838	Rsa1.0.00925.1	522	59481	0	483	499	96 -	11	503	25571	26069
UN81839	Rsa1.0.01466.1	539	45161	0	408	408	100 +	9	416	15324	15731
UN81840	Rsa1.0.01846.1	420	38367	0	393	408	96 -	14	420	16564	16971
UN81841	Rsa1.0.00647.1	418	70440	0	418	418	100 -	1	418	35879	36296
UN81842	Rsa1.0.05289.1	509	14259	0	485	514	94 +	1	507	2133	2643
UN81843	Rsa1.0.00675.1	218	145590	9.00E-63	128	130	98 -	89	218	143650	143779
UN81844	Rsa1.0.00085.1	488	142226	0	382	384	99 -	1	383	72425	72808
UN81845	Rsa1.0.00789.1	449	64233	2.00E-87	164	164	100 +	212	375	51989	52152
UN81846	Rsa1.0.03911.1	530	20133	0	381	381	100 -	1	381	16985	17365
UN81847	Rsa1.0.15510.1	488	2565	0	422	430	98 -	14	443	1	430
UN81848	Rsa1.0.00009.1	521	232558	0	393	407	96 +	1	404	6466	6863
UN81849	Rsa1.0.03773.1	524	20937	0	514	516	99 +	11	524	1191	1706
UN81850	Rsa1.0.05789.1	406	12620	0	403	405	99 +	1	404	9369	9772
UN81851	Rsa1.0.04080.1	454	19198	0	454	454	100 +	1	454	16183	16636
UN81852	Rsa1.0.01282.1	384	49304	0	384	384	100 +	1	384	26605	26988
UN81853	Rsa1.0.01219.1	423	50527	0	410	410	100 +	1	410	30554	30963
UN81854	Rsa1.0.00027.1	507	283362	0	427	436	97 +	72	507	115850	116285
UN81855	Rsa1.0.04550.1	428	16893	1.00E-143	257	257	100 -	172	428	829	1085
UN81856	Rsa1.0.02185.1	547	34150	0	519	550	94 +	1	547	27260	27795
UN81857	Rsa1.0.00099.1	317	159619	1.00E-179	317	317	100 +	1	317	28100	28416
UN81858	Rsa1.0.00145.1	477	261008	1.00E-115	263	280	93 +	12	281	24169	24445
UN81859	Rsa1.0.04934.1	567	143962	0	532	561	94 -	11	567	12186	12741

UN81860	Rsa1.0.00685.1	423	68515	1.00E-125	239	243	98 +	181	423	64023	64265
UN81861	Rsa1.0.01212.1	424	50622	0	393	405	97 -	16	420	5970	6374
UN81862	Rsa1.0.00912.1	604	59923	1.00E-76	152	154	98 -	246	399	38790	38943
UN81863	Rsa1.0.13624.1	474	4617	0	474	475	99 +	1	474	3018	3492
UN81864	Rsa1.0.03360.1	391	23459	0	391	391	100 -	1	391	15412	15802
UN81865	Rsa1.0.73658.1	235	311	1.00E-126	235	236	99 -	1	235	71	306
UN81866	Rsa1.0.00874.1	521	179723	0	499	500	99 +	23	521	23587	24086
UN81867	Rsa1.0.00571.1	766	329018	0	766	766	100 -	1	766	4247	5012
UN81868	Rsa1.0.01908.1	155	37427	2.00E-78	155	156	99 -	1	155	26710	26865
UN81869	Rsa1.0.00064.1	828	240927	0	828	828	100 -	1	828	21205	22032
UN81870	Rsa1.0.09006.1	861	6715	0	721	753	95 -	122	861	5619	6371
UN81871	Rsa1.0.00355.1	840	92038	2.00E-91	171	171	100 +	665	835	48102	48272
UN81872	Rsa1.0.02727.1	414	28404	0	412	414	99 +	2	414	4173	4586
UN81873	Rsa1.0.06159.1	840	11596	0	668	677	98 -	164	840	5843	6519
UN81874	Rsa1.0.00016.1	891	831256	0	666	666	100 +	226	891	392173	392838
UN81875	Rsa1.0.00154.1	846	189461	0	845	846	99 +	1	846	178997	179842
UN81876	Rsa1.0.00217.1	846	107079	0	364	364	100 +	483	846	93394	93757
UN81877	Rsa1.0.02524.1	856	30496	0	852	869	98 -	1	856	20916	21784
UN81878	Rsa1.0.02987.1	859	26196	0	844	845	99 +	15	859	16338	17182
UN81879	Rsa1.0.09191.1	836	6570	0	805	837	96 +	1	836	4022	4858
UN81880	Rsa1.0.01001.1	181	57077	7.00E-94	181	182	99 +	1	181	25790	25971
UN81881	Rsa1.0.01007.1	766	56933	0	766	768	99 -	1	766	40537	41304
UN81882	Rsa1.0.00688.1	856	68396	0	853	856	99 -	1	856	41679	42534
UN81883	Rsa1.0.00025.1	837	277312	0	743	829	89 +	13	829	49290	50095
UN81884	Rsa1.0.00322.1	672	212233	0	672	673	99 -	1	672	65167	65839
UN81885	Rsa1.0.01380.1	591	155003	0	573	591	96 -	1	591	18396	18986
UN81886	Rsa1.0.00324.1	801	218805	0	376	377	99 -	1	376	23873	24249
UN81887	Rsa1.0.00953.1	824	145012	0	803	824	97 +	1	824	8501	9322
UN81888	Rsa1.0.02949.1	864	26506	0	558	589	94 +	280	864	21140	21725
UN81889	Rsa1.0.00215.1	856	201775	0	476	497	95 -	169	663	9801	10296
UN81890	Rsa1.0.04674.1	812	139859	0	810	815	99 -	1	812	6324	7138
UN81891	Rsa1.0.00096.1	779	198773	0	593	595	99 +	1	595	109637	110231
UN81892	Rsa1.0.04646.1	860	16541	0	422	422	100 +	4	425	11787	12208
UN81893	Rsa1.0.02343.1	853	32374	0	851	851	100 +	3	853	29517	30367
UN81894	Rsa1.0.00720.1	811	66931	0	803	807	99 -	5	811	47532	48338
UN81895	Rsa1.0.00620.1	206	71985	1.00E-113	206	206	100 +	1	206	38988	39193
UN81896	Rsa1.0.00051.1	826	258225	0	751	753	99 +	74	826	22971	23723
UN81897	Rsa1.0.00234.1	364	197060	3.00E-85	170	172	98 -	192	363	102725	102895
UN81898	Rsa1.0.00114.1	841	131330	0	605	607	99 +	210	816	109486	110092

UN81899	Rsa1.0.03941.1	826	19960	0	388	390	99 -	1	388	12860	13249
UN81900	Rsa1.0.02345.1	789	32337	0	789	789	100 +	1	789	2841	3629
UN81901	Rsa1.0.00541.1	418	76863	2.00E-87	355	422	84 +	1	418	53439	53819
UN81902	Rsa1.0.00087.1	827	761073	0	783	830	94 +	5	827	295755	296583
UN81903	Rsa1.0.00079.1	874	606987	0	874	874	100 +	1	874	96747	97620
UN81904	Rsa1.0.35196.1	824	643	3.00E-41	133	147	90 +	264	410	215	360
UN81905	Rsa1.0.05618.1	851	13165	0	627	628	99 +	1	628	4455	5082
UN81906	Rsa1.0.00318.1	871	96094	0	871	873	99 -	1	871	81667	82539
UN81907	Rsa1.0.10728.1	384	5745	1.00E-133	295	312	94 +	4	301	5378	5687
UN81908	Rsa1.0.00144.1	745	120708	0	726	746	97 +	1	745	111390	112135
UN81909	Rsa1.0.03664.1	353	21487	1.00E-148	335	358	93 -	5	353	6072	6428
UN81910	#	#	#	#	#	#	#	#	#	#	#
UN81911	Rsa1.0.00077.1	445	145005	1.00E-69	134	134	100 +	94	227	28617	28750
UN81912	Rsa1.0.01478.1	827	44991	0	572	614	93 -	1	611	17611	18216
UN81913	Rsa1.0.00145.1	734	261008	0	715	732	97 -	4	734	237481	238212
UN81914	Rsa1.0.04768.1	829	16066	1.00E-134	242	242	100 +	406	647	1316	1557
UN81915	Rsa1.0.05199.1	143	14529	6.00E-32	112	126	88 -	1	126	8341	8466
UN81916	Rsa1.0.00743.1	783	177459	0	622	655	94 +	135	783	6223	6868
UN81917	Rsa1.0.00592.1	850	73788	5.00E-80	152	152	100 +	317	468	56283	56434
UN81918	Rsa1.0.00903.1	817	60228	1.00E-113	216	219	98 +	209	427	15137	15355
UN81919	Rsa1.0.04488.1	467	17155	1.00E-139	398	447	89 -	19	465	14565	15011
UN81920	Rsa1.0.04186.1	249	18589	6.00E-92	171	171	100 -	1	171	4573	4743
UN81921	Rsa1.0.13488.1	705	4777	0	704	707	99 +	1	705	2307	3013
UN81922	Rsa1.0.02536.1	833	30368	1.00E-113	210	211	99 -	220	430	303	513
UN81923	Rsa1.0.01116.1	807	142088	0	767	803	95 +	8	807	110761	111560
UN81924	Rsa1.0.05168.1	137	14621	6.00E-72	137	137	100 -	1	137	13224	13360
UN81925	Rsa1.0.00483.1	872	81102	4.00E-62	222	252	88 -	621	867	32652	32903
UN81926	Rsa1.0.00743.1	510	177459	1.00E-63	133	136	97 +	142	277	613	748
UN81927	Rsa1.0.01516.1	896	44196	0	583	613	95 -	140	752	36762	37372
UN81928	Rsa1.0.00183.1	836	113277	0	822	836	98 +	2	836	84218	85053
UN81929	Rsa1.0.00642.1	853	201230	0	853	854	99 +	1	853	63230	64083
UN81930	Rsa1.0.01133.1	823	52916	0	818	824	99 -	1	823	9081	9904
UN81931	Rsa1.0.00304.1	215	97429	1.00E-112	211	213	99 -	3	215	12107	12319
UN81932	Rsa1.0.00581.1	117	163575	4.00E-60	117	117	100 +	1	117	67446	67562
UN81933	Rsa1.0.01516.1	452	44196	3.00E-89	197	207	95 +	123	329	23667	23873
UN81934	Rsa1.0.04839.1	922	15762	0	922	922	100 +	1	922	4835	5756
UN81935	Rsa1.0.01184.1	759	51452	8.00E-97	180	180	100 -	79	258	4869	5048
UN81936	Rsa1.0.19219.1	873	1462	0	633	633	100 +	55	687	830	1462
UN81937	Rsa1.0.00964.1	839	316648	1.00E-149	268	268	100 -	423	690	132524	132791

UN81938	Rsa1.0_04835.1	779	15766	0	457	457	100 -	323	779	15310	15766
UN81939	Rsa1.0_01699.1	856	40816	0	855	859	99 +	1	856	30938	31796
UN81940	Rsa1.0_03658.1	883	21549	0	883	885	99 -	1	883	8625	9509
UN81941	Rsa1.0_10615.1	880	5783	0	838	880	95 +	1	880	202	1068
UN81942	Rsa1.0_49425.1	536	459	3.00E-55	142	153	92 +	1	153	313	459
UN81943	Rsa1.0_41642.1	862	539	0	367	376	97 +	488	862	1	376
UN81944	Rsa1.0_00683.1	569	68638	1.00E-145	330	353	93 +	176	528	27365	27717
UN81945	Rsa1.0_01762.1	833	39682	4.00E-74	142	142	100 -	95	236	8592	8733
UN81946	Rsa1.0_06013.1	688	11931	0	678	687	98 -	4	688	7763	8449
UN81947	Rsa1.0_00875.1	472	61371	0	338	338	100 +	135	472	46462	46799
UN81948	Rsa1.0_02703.1	874	28544	1.00E-125	255	264	96 -	106	369	6830	7093
UN81949	Rsa1.0_03009.1	862	26065	0	770	775	99 +	3	774	14943	15717
UN81950	Rsa1.0_11611.1	790	5459	0	753	772	97 -	20	790	158	929
UN81951	Rsa1.0_00064.1	772	240927	0	771	774	99 -	1	772	89522	90294
UN81952	Rsa1.0_02346.1	672	32337	0	621	656	94 -	22	672	10648	11288
UN81953	Rsa1.0_00122.1	800	265937	0	763	780	97 +	1	780	62573	63343
UN81954	Rsa1.0_02071.1	660	35409	0	377	388	97 +	273	660	3627	4009
UN81955	Rsa1.0_01489.1	698	44764	0	430	434	99 +	1	434	38028	38460
UN81956	Rsa1.0_00082.1	837	237584	0	837	837	100 -	1	837	50467	51303
UN81957	Rsa1.0_07107.1	825	9882	0	594	594	100 +	232	825	9141	9734
UN81958	Rsa1.0_03414.1	868	23125	0	739	740	99 +	1	740	12608	13347
UN81959	Rsa1.0_00812.1	161	63233	2.00E-72	157	162	96 -	1	161	35485	35646
UN81960	Rsa1.0_00273.1	809	326186	0	809	810	99 +	1	809	14472	15281
UN81961	Rsa1.0_00604.1	842	146282	0	346	353	98 +	490	842	34114	34466
UN81962	Rsa1.0_04962.1	862	15312	6.00E-95	196	201	97 -	380	579	2164	2364
UN81963	Rsa1.0_02555.1	420	30146	0	350	352	99 +	69	420	23036	23387
UN81964	Rsa1.0_00585.1	844	74164	9.00E-94	213	225	94 +	623	844	59736	59960
UN81965	Rsa1.0_00173.1	836	288743	0	836	836	100 -	1	836	252277	253112
UN81966	Rsa1.0_02559.1	829	30096	0	386	386	100 +	6	391	16334	16719
UN81967	Rsa1.0_02848.1	270	27329	1.00E-132	270	278	97 +	1	270	25119	25396
UN81968	Rsa1.0_10563.1	866	5800	0	836	863	96 +	4	866	3632	4494
UN81969	Rsa1.0_00028.1	161	293984	2.00E-47	135	148	91 -	7	154	72502	72649
UN81970	Rsa1.0_01281.1	457	49313	0	409	409	100 -	49	457	7175	7583
UN81971	Rsa1.0_00026.1	889	327835	0	510	510	100 +	99	608	100989	101498
UN81972	Rsa1.0_05068.1	872	14940	0	776	779	99 -	1	777	8315	9093
UN81973	Rsa1.0_00084.1	862	142338	0	862	862	100 -	1	862	68759	69620
UN81974	Rsa1.0_27171.1	635	863	0	621	637	97 +	1	635	94	730
UN81975	Rsa1.0_00920.1	683	601703	1.00E-172	313	314	99 -	5	317	297085	297398
UN81976	Rsa1.0_01938.1	807	264018	1.00E-175	312	312	100 +	1	312	138129	138440

UN81977	Rsa1.0_11215.1	836	5580	0	632	644	98 +	144	787	1	644
UN81978	Rsa1.0_15030.1	835	2881	0	721	743	97 -	5	746	745	1482
UN81979	Rsa1.0_01188.1	885	51362	0	808	839	96 +	5	839	18231	19065
UN81980	Rsa1.0_00816.1	834	403350	0	372	372	100 +	1	372	257052	257423
UN81981	Rsa1.0_07377.1	877	9494	0	615	636	96 -	15	650	7948	8583
UN81982	Rsa1.0_02901.1	794	26909	3.00E-75	153	156	98 -	609	764	14666	14821
UN81983	Rsa1.0_08389.1	801	7435	0	801	801	100 -	1	801	5296	6096
UN81984	Rsa1.0_62053.1	644	369	5.00E-42	88	88	100 -	16	103	215	302
UN81985	Rsa1.0_00879.1	853	61297	0	323	323	100 -	531	853	34412	34734
UN81986	Rsa1.0_00385.1	810	89160	1.00E-110	241	252	95 +	562	810	45744	45994
UN81987	Rsa1.0_02884.1	793	27034	1.00E-134	262	266	98 +	1	265	18888	19152
UN81988	Rsa1.0_07551.1	823	9146	0	727	765	95 -	40	802	3768	4528
UN81989	Rsa1.0_02985.1	907	26256	0	906	910	99 +	1	907	17417	18326
UN81990	Rsa1.0_08188.1	801	7765	0	478	484	98 +	199	682	3371	3854
UN81991	Rsa1.0_01344.1	865	142535	0	789	801	98 -	66	865	133917	134716
UN81992	Rsa1.0_00040.1	924	324196	0	762	871	87 +	75	924	128009	128876
UN81993	Rsa1.0_01498.1	862	44558	0	833	856	97 +	7	862	11451	12300
UN81994	Rsa1.0_02057.1	645	35540	1.00E-122	228	230	99 -	416	645	18535	18764
UN81995	Rsa1.0_00082.1	789	237584	0	788	797	98 +	2	789	39372	40168
UN81996	Rsa1.0_01908.1	884	37427	0	865	886	97 -	1	884	34582	35461
UN81997	Rsa1.0_01302.1	899	48907	0	322	322	100 -	578	899	12585	12906
UN81998	Rsa1.0_03414.1	848	23125	0	617	625	98 -	224	848	14946	15570
UN81999	Rsa1.0_01973.1	875	36598	0	874	876	99 -	1	875	12657	13532
UN82000	Rsa1.0_01151.1	831	52268	0	831	832	99 -	1	831	42018	42849
UN82001	Rsa1.0_00033.1	653	515811	3.00E-99	184	184	100 +	187	370	149539	149722
UN82002	Rsa1.0_01438.1	205	45882	5.00E-52	104	104	100 -	20	123	30099	30202
UN82003	Rsa1.0_01485.1	419	44797	1.00E-111	215	219	98 -	25	243	28624	28842
UN82004	Rsa1.0_00821.1	823	62891	0	818	821	99 -	4	823	50180	51000
UN82005	Rsa1.0_00883.1	878	61230	1.00E-163	345	359	96 +	1	358	54781	55132
UN82006	Rsa1.0_00020.1	324	283099	0	323	324	99 +	1	324	127638	127961
UN82007	Rsa1.0_02102.1	856	35009	1.00E-154	277	277	100 +	552	828	11886	12162
UN82008	Rsa1.0_00756.1	850	65628	1.00E-150	276	278	99 -	64	341	5693	5970
UN82009	Rsa1.0_06519.1	847	10858	0	572	572	100 -	276	847	789	1360
UN82010	Rsa1.0_01397.1	847	183276	0	847	847	100 +	1	847	154611	155457
UN82011	Rsa1.0_35039.1	668	646	0	407	411	99 +	1	411	236	646
UN82012	Rsa1.0_00052.1	766	162771	0	738	778	94 +	1	766	118619	119386
UN82013	Rsa1.0_00343.1	893	93570	0	884	885	99 +	10	893	41476	42360
UN82014	Rsa1.0_00017.1	864	752458	0	419	419	100 -	446	864	745677	746095
UN82015	Rsa1.0_13891.1	824	4144	0	818	819	99 -	7	824	1988	2806

UN82016	Rsa1.0.00111.1	744	390088	0	744	744	100 +	1	744	17967	18710
UN82017	Rsa1.0.04383.1	852	17631	0	852	852	100 +	1	852	16184	17035
UN82018	Rsa1.0.00078.1	881	175053	0	881	882	99 -	1	881	76627	77508
UN82019	Rsa1.0.08937.1	845	6769	0	827	857	96 +	4	845	1996	2852
UN82020	Rsa1.0.01839.1	833	38482	0	833	833	100 -	1	833	14801	15633
UN82021	Rsa1.0.00218.1	824	201480	0	410	412	99 +	1	412	140922	141333
UN82022	Rsa1.0.27850.1	860	837	0	763	766	99 -	1	766	1	766
UN82023	Rsa1.0.00848.1	789	152362	0	518	518	100 +	1	518	57348	57865
UN82024	Rsa1.0.11566.1	830	5470	0	799	826	96 -	5	830	86	911
UN82025	Rsa1.0.00697.1	828	67913	2.00E-91	186	191	97 -	523	713	14729	14919
UN82026	Rsa1.0.00243.1	847	103651	0	794	794	100 +	54	847	84697	85490
UN82027	Rsa1.0.10722.1	811	5745	0	592	597	99 +	215	811	1	597
UN82028	Rsa1.0.02412.1	885	31643	0	640	660	96 -	3	660	14287	14946
UN82029	Rsa1.0.00016.1	876	831256	0	332	335	99 +	542	876	576392	576726
UN82030	Rsa1.0.01516.1	823	44196	0	583	613	95 -	159	771	36762	37372
UN82031	Rsa1.0.62534.1	842	367	0	361	373	96 -	85	457	1	367
UN82032	Rsa1.0.02772.1	783	28047	0	569	632	90 -	1	614	20795	21419
UN82033	Rsa1.0.07507.1	857	9231	0	429	432	99 -	1	431	8462	8893
UN82034	Rsa1.0.02420.1	821	31580	0	382	382	100 -	260	641	1877	2258
UN82035	Rsa1.0.00042.1	840	171507	0	799	859	93 -	1	840	51621	52471
UN82036	Rsa1.0.00234.1	782	197060	0	404	415	97 +	371	782	42211	42625
UN82037	Rsa1.0.05911.1	886	12261	0	569	571	99 +	1	570	8734	9304
UN82038	Rsa1.0.00002.1	731	601661	0	403	420	95 -	1	419	579168	579583
UN82039	Rsa1.0.00104.1	840	368722	0	807	839	96 +	2	840	65053	65868
UN82040	Rsa1.0.02633.1	795	29315	0	418	418	100 -	378	795	354	771
UN82041	Rsa1.0.22278.1	826	1134	0	801	802	99 +	1	802	333	1134
UN82042	Rsa1.0.13702.1	199	4456	7.00E-88	190	198	95 +	2	199	393	587
UN82043	Rsa1.0.00422.1	830	86144	0	824	832	99 +	1	830	34813	35643
UN82044	Rsa1.0.01099.1	884	158481	1.00E-159	465	524	88 -	378	884	44487	44995
UN82045	Rsa1.0.15420.1	874	2614	0	823	878	93 -	1	874	1585	2444
UN82046	Rsa1.0.00644.1	391	136881	1.00E-111	269	291	92 -	1	291	41427	41717
UN82047	Rsa1.0.00688.1	859	68396	0	659	672	98 +	191	859	30972	31643
UN82048	Rsa1.0.00234.1	577	197060	0	566	569	99 +	1	569	29707	30274
UN82049	Rsa1.0.03468.1	805	22686	0	702	799	87 -	25	805	434	1230
UN82050	Rsa1.0.01675.1	855	41155	1.00E-135	244	244	100 +	353	596	13023	13266
UN82051	Rsa1.0.01798.1	871	173909	0	357	365	97 +	349	713	169450	169811
UN82052	Rsa1.0.02028.1	560	35857	2.00E-90	187	193	96 -	78	270	35011	35203
UN82053	Rsa1.0.18600.1	858	1566	0	647	648	99 +	211	858	608	1255
UN82054	Rsa1.0.01046.1	819	152989	0	789	831	94 -	1	819	129805	130635

UN82055	Rsa1.0_00201.1	873	232851	7.00E-39	175	202	86 -	167	368	54490	54687
UN82056	Rsa1.0_12064.1	468	5328	0	422	434	97 -	35	468	4582	5015
UN82057	Rsa1.0_00888.1	806	60978	0	350	350	100 +	172	521	6607	6956
UN82058	Rsa1.0_05653.1	411	13043	1.00E-120	263	278	94 -	134	411	5640	5911
UN82059	Rsa1.0_00472.1	875	398134	0	371	371	100 +	36	406	303355	303725
UN82060	Rsa1.0_01183.1	862	51465	0	815	865	94 +	1	862	49117	49964
UN82061	Rsa1.0_00037.1	781	307838	0	440	466	94 +	1	460	236250	236705
UN82062	Rsa1.0_00040.1	883	324196	0	869	883	98 -	1	883	275392	276274
UN82063	Rsa1.0_00123.1	854	325650	0	852	852	100 -	3	854	35835	36686
UN82064	Rsa1.0_26689.1	872	881	0	492	530	92 -	316	844	140	669
UN82065	Rsa1.0_00015.1	582	561803	0	327	327	100 -	1	327	229974	230300
UN82066	Rsa1.0_05241.1	898	14405	0	746	749	99 +	147	893	91	839
UN82067	Rsa1.0_01422.1	126	46172	2.00E-34	93	99	93 -	32	126	26396	26494
UN82068	Rsa1.0_02165.1	853	34423	1.00E-113	217	220	98 +	183	402	17137	17356
UN82069	Rsa1.0_01029.1	874	256254	1.00E-139	252	252	100 +	257	508	130650	130901
UN82070	Rsa1.0_10115.1	817	5991	0	815	815	100 +	3	817	725	1539
UN82071	Rsa1.0_00523.1	859	178770	0	781	844	92 -	1	816	115008	115841
UN82072	Rsa1.0_00215.1	374	201775	0	354	354	100 +	1	354	3124	3477
UN82073	Rsa1.0_07819.1	910	8476	0	657	669	98 -	246	910	4182	4850
UN82074	Rsa1.0_02962.1	872	26419	0	704	714	98 -	1	712	23389	24101
UN82075	Rsa1.0_02515.1	818	30616	1.00E-145	264	265	99 +	195	459	3934	4198
UN82076	Rsa1.0_00194.1	901	110851	0	401	401	100 -	292	692	70383	70783
UN82077	Rsa1.0_04166.1	250	18757	1.00E-132	249	251	99 +	1	250	8134	8384
UN82078	Rsa1.0_04396.1	939	17561	0	501	527	95 +	121	640	15239	15762
UN82079	Rsa1.0_00108.1	840	478491	0	840	840	100 +	1	840	107520	108359
UN82080	Rsa1.0_00835.1	817	278058	0	369	378	97 +	1	378	163059	163435
UN82081	Rsa1.0_49892.1	882	455	0	406	431	94 -	127	557	8	437
UN82082	Rsa1.0_02766.1	809	28128	0	809	810	99 -	1	809	16915	17724
UN82083	Rsa1.0_00020.1	828	283099	0	420	421	99 +	9	429	102906	103325
UN82084	Rsa1.0_00293.1	418	339294	1.00E-141	300	316	94 +	6	309	54150	54465
UN82085	Rsa1.0_04483.1	929	17174	0	448	487	91 -	42	519	10674	11142
UN82086	Rsa1.0_04747.1	875	16147	0	668	668	100 +	208	875	2161	2828
UN82087	Rsa1.0_10052.1	550	6023	0	498	521	95 +	30	550	5021	5541
UN82088	Rsa1.0_00387.1	524	495407	0	523	526	99 -	1	524	325241	325766
UN82089	Rsa1.0_00415.1	456	86795	4.00E-91	176	178	98 -	1	178	80	257
UN82090	Rsa1.0_15751.1	420	2446	0	414	419	98 +	2	420	314	732
UN82091	Rsa1.0_00997.1	245	57190	8.00E-76	210	232	90 -	14	245	26154	26385
UN82092	Rsa1.0_10267.1	515	5910	0	357	357	100 +	159	515	2476	2832
UN82093	Rsa1.0_00373.1	425	90296	2.00E-99	184	184	100 -	242	425	49245	49428

UN82094	Rsa1.0.01331.1	490	47944	0	469	485	96 -	1	484	23100	23578
UN82095	Rsa1.0.01928.1	442	37192	1.00E-160	379	408	92 -	38	442	25462	25868
UN82096	Rsa1.0.00217.1	337	107079	1.00E-165	334	343	97 +	1	337	50719	51060
UN82097	Rsa1.0.01649.1	437	41624	1.00E-112	206	206	100 -	121	326	41419	41624
UN82098	Rsa1.0.03543.1	617	22185	0	590	612	96 -	9	617	6360	6960
UN82099	Rsa1.0.03901.1	452	20170	1.00E-153	275	275	100 -	2	276	16815	17089
UN82100	Rsa1.0.02289.1	697	32981	1.00E-86	163	163	100 +	535	697	15197	15359
UN82101	Rsa1.0.00478.1	882	81419	8.00E-45	195	230	84 -	299	528	27513	27724
UN82102	Rsa1.0.36621.1	878	616	0	509	509	100 +	370	878	1	509
UN82103	Rsa1.0.01166.1	852	51877	0	385	385	100 +	1	385	41497	41881
UN82104	Rsa1.0.01703.1	827	40713	0	394	394	100 +	1	394	22412	22805
UN82105	Rsa1.0.00119.1	880	467509	1.00E-68	149	153	97 -	664	816	69430	69581
UN82106	Rsa1.0.02814.1	345	27656	1.00E-87	204	216	94 +	5	219	23494	23709
UN82107	Rsa1.0.02281.1	856	292576	0	725	728	99 +	9	735	275180	275907
UN82108	Rsa1.0.00026.1	856	327835	1.00E-164	355	377	94 -	230	606	79436	79803
UN82109	Rsa1.0.00572.1	896	74969	0	678	701	96 +	199	896	50283	50980
UN82110	Rsa1.0.00112.1	845	132199	0	706	706	100 -	140	845	75075	75780
UN82111	Rsa1.0.00025.1	685	277312	0	599	599	100 +	87	685	11301	11899
UN82112	Rsa1.0.01460.1	815	45255	0	486	492	98 -	324	815	30570	31061
UN82113	Rsa1.0.00571.1	687	329018	0	687	688	99 +	1	687	183592	184279
UN82114	Rsa1.0.00092.1	825	659932	0	396	413	95 -	4	414	505878	506289
UN82115	Rsa1.0.03469.1	806	22681	0	476	508	93 +	5	506	8685	9183
UN82116	Rsa1.0.05199.1	120	14529	1.00E-29	111	122	90 -	1	120	8708	8828
UN82117	Rsa1.0.01028.1	845	56401	0	845	846	99 +	1	845	8290	9135
UN82118	Rsa1.0.03304.1	828	23883	0	804	828	97 -	1	828	12865	13692
UN82119	Rsa1.0.07350.1	827	9520	0	374	374	100 -	264	637	9147	9520
UN82120	Rsa1.0.06902.1	238	10186	1.00E-132	238	238	100 +	1	238	3916	4153
UN82121	Rsa1.0.03238.1	631	24432	0	631	632	99 +	1	631	7841	8472
UN82122	Rsa1.0.00002.1	811	601661	0	596	617	96 +	196	811	538864	539476
UN82123	Rsa1.0.01719.1	836	40388	0	654	655	99 -	1	654	16967	17621
UN82124	Rsa1.0.03439.1	135	22930	2.00E-50	101	101	100 -	35	135	15354	15454
UN82125	Rsa1.0.00385.1	824	89160	1.00E-138	506	586	86 +	283	824	82179	82755
UN82126	Rsa1.0.00196.1	729	109960	0	729	729	100 +	1	729	17237	17965
UN82127	Rsa1.0.10795.1	607	5718	0	583	607	96 -	1	607	4363	4969
UN82128	Rsa1.0.00289.1	169	98620	6.00E-91	169	169	100 +	1	169	12319	12487
UN82129	#	#	#	#	#	#	#	#	#	#	#
UN82130	Rsa1.0.05874.1	785	12351	0	640	670	95 +	1	669	7451	8120
UN82131	Rsa1.0.20968.1	765	1249	0	347	349	99 -	120	468	901	1249
UN82132	Rsa1.0.00115.1	819	131321	0	396	396	100 +	424	819	36126	36521

UN82133	Rsa1.0_15634.1	845	2512	0	845	845	100 +	1	845	983	1827
UN82134	Rsa1.0_01392.1	799	46665	0	797	799	99 -	1	799	36134	36932
UN82135	Rsa1.0_00301.1	834	365315	0	677	689	98 +	7	688	307979	308667
UN82136	Rsa1.0_00007.1	801	239325	0	489	507	96 +	87	592	125513	126018
UN82137	Rsa1.0_00682.1	838	68680	0	600	661	90 +	113	762	14817	15458
UN82138	Rsa1.0_05415.1	484	13830	0	472	484	97 +	1	484	6226	6709
UN82139	Rsa1.0_27807.1	281	838	1.00E-22	58	59	98 +	12	70	780	838
UN82140	Rsa1.0_02922.1	865	26753	0	625	626	99 -	1	625	21058	21683
UN82141	Rsa1.0_04281.1	817	18107	1.00E-116	234	241	97 -	577	817	6837	7077
UN82142	Rsa1.0_03601.1	794	21850	0	497	499	99 -	1	498	17446	17944
UN82143	Rsa1.0_01112.1	756	310601	0	576	578	99 +	6	583	48357	48932
UN82144	Rsa1.0_17438.1	837	1830	0	611	628	97 -	213	837	1126	1752
UN82145	Rsa1.0_00735.1	283	66503	3.00E-72	138	138	100 +	1	138	2896	3033
UN82146	Rsa1.0_00318.1	782	96094	0	652	655	99 -	128	782	48915	49569
UN82147	Rsa1.0_11332.1	863	5541	0	461	461	100 +	234	694	5081	5541
UN82148	Rsa1.0_00054.1	667	162053	0	339	339	100 -	329	667	100090	100428
UN82149	Rsa1.0_05397.1	793	13892	0	793	793	100 +	1	793	6810	7602
UN82150	Rsa1.0_05449.1	870	13711	0	562	562	100 +	173	734	13150	13711
UN82151	Rsa1.0_00130.1	745	125737	0	376	376	100 +	4	379	102302	102677
UN82152	Rsa1.0_04918.1	853	15441	0	851	861	98 -	1	853	10799	11659
UN82153	Rsa1.0_01145.1	457	149247	0	418	418	100 -	40	457	123333	123750
UN82154	Rsa1.0_00985.1	323	161950	1.00E-139	250	250	100 -	1	250	46247	46496
UN82155	Rsa1.0_03249.1	136	146254	2.00E-71	136	136	100 -	1	136	4177	4312
UN82156	Rsa1.0_13371.1	392	4879	1.00E-161	288	288	100 +	105	392	1	288
UN82157	Rsa1.0_00291.1	698	172129	1.00E-131	342	377	90 -	1	369	43259	43622
UN82158	Rsa1.0_11043.1	479	5636	1.00E-141	263	266	98 -	1	266	5215	5480
UN82159	Rsa1.0_00038.1	866	314568	0	865	867	99 +	2	866	189317	190183
UN82160	Rsa1.0_00329.1	730	222544	0	730	732	99 -	1	730	203766	204497
UN82161	Rsa1.0_00196.1	830	109960	0	828	833	99 -	1	830	76149	76981
UN82162	Rsa1.0_01301.1	843	169072	1.00E-173	355	365	97 -	1	361	18684	19044
UN82163	Rsa1.0_03806.1	794	20745	0	579	579	100 -	1	579	1	579
UN82164	Rsa1.0_00051.1	774	258225	0	421	421	100 -	354	774	118364	118784
UN82165	Rsa1.0_08800.1	827	6912	0	774	774	100 +	5	778	4824	5597
UN82166	Rsa1.0_01448.1	787	45645	4.00E-65	192	202	95 +	106	307	39422	39613
UN82167	#	#	#	#	#	#	#	#	#	#	#
UN82168	Rsa1.0_03522.1	243	22304	2.00E-88	184	189	97 +	55	243	3	190
UN82169	Rsa1.0_02432.1	761	31499	1.00E-152	273	273	100 +	2	274	11822	12094
UN82170	Rsa1.0_06830.1	810	10295	0	797	810	98 -	1	810	6725	7534
UN82171	Rsa1.0_00363.1	201	90968	1.00E-106	201	202	99 -	1	201	7949	8150

UN82172	Rsa1.0.02218.1	686	33809	0	657	687	95 +	1	686	11492	12171
UN82173	Rsa1.0.00055.1	807	520193	1.00E-92	173	173	100 -	83	255	67475	67647
UN82174	Rsa1.0.01230.1	797	50221	0	797	797	100 +	1	797	28988	29784
UN82175	Rsa1.0.08410.1	845	7406	0	696	696	100 -	150	845	6711	7406
UN82176	Rsa1.0.01497.1	797	44559	4.00E-43	108	114	94 -	219	332	19658	19771
UN82177	Rsa1.0.00028.1	390	293984	1.00E-155	363	390	93 -	1	390	66975	67363
UN82178	Rsa1.0.13424.1	752	4844	1.00E-130	236	236	100 -	325	560	1	236
UN82179	Rsa1.0.00426.1	829	85668	0	768	808	95 +	8	807	67081	67887
UN82180	Rsa1.0.00475.1	836	81678	0	832	832	100 +	5	836	4007	4838
UN82181	Rsa1.0.00071.1	566	345714	0	379	380	99 +	1	379	58385	58764
UN82182	Rsa1.0.00039.1	851	296927	2.00E-54	157	172	91 +	664	833	223486	223657
UN82183	Rsa1.0.00191.1	818	316976	0	397	412	96 -	3	414	47555	47966
UN82184	Rsa1.0.00612.1	816	72376	0	566	575	98 -	1	574	37278	37852
UN82185	Rsa1.0.14798.1	323	3060	2.00E-52	123	129	95 -	147	275	218	346
UN82186	Rsa1.0.00273.1	855	326186	0	753	761	98 +	2	761	312019	312776
UN82187	Rsa1.0.00019.1	853	301669	0	853	853	100 +	1	853	276455	277307
UN82188	Rsa1.0.10495.1	613	5827	0	466	468	99 -	146	613	5159	5626
UN82189	Rsa1.0.02197.1	769	33996	1.00E-168	352	369	95 -	27	394	4504	4864
UN82190	Rsa1.0.17152.1	859	1907	0	434	434	100 -	1	434	1177	1610
UN82191	Rsa1.0.02716.1	810	28465	0	750	750	100 -	61	810	26967	27716
UN82192	Rsa1.0.04709.1	866	16285	0	550	550	100 -	317	866	15736	16285
UN82193	Rsa1.0.00277.1	862	100132	0	862	862	100 -	1	862	39423	40284
UN82194	Rsa1.0.00407.1	551	191544	0	543	551	98 +	1	551	181195	181745
UN82195	Rsa1.0.05397.1	807	13892	0	807	807	100 +	1	807	1841	2647
UN82196	Rsa1.0.00017.1	552	752458	1.00E-14	45	46	97 +	113	158	204871	204916
UN82197	Rsa1.0.01472.1	285	45099	1.00E-155	285	286	99 -	1	285	14764	15049
UN82198	Rsa1.0.02379.1	798	150705	0	664	664	100 +	135	798	146545	147208
UN82199	Rsa1.0.00190.1	815	318240	9.00E-60	127	130	97 +	660	789	53982	54111
UN82200	Rsa1.0.00131.1	870	432233	0	467	478	97 +	1	478	267850	268327
UN82201	Rsa1.0.01016.1	581	181422	1.00E-110	238	246	96 -	326	569	44045	44289
UN82202	Rsa1.0.06148.1	836	11616	0	807	829	97 -	9	836	4258	5083
UN82203	Rsa1.0.03462.1	796	22725	0	796	796	100 +	1	796	4607	5402
UN82204	Rsa1.0.00134.1	841	390219	0	841	841	100 +	1	841	150013	150853
UN82205	Rsa1.0.39816.1	825	564	0	564	564	100 +	171	734	1	564
UN82206	Rsa1.0.41918.1	764	535	0	432	432	100 -	1	432	1	432
UN82207	Rsa1.0.03504.1	859	22443	0	493	493	100 -	1	493	18929	19421
UN82208	Rsa1.0.00137.1	814	122457	0	813	814	99 -	1	814	104115	104928
UN82209	Rsa1.0.04525.1	870	16965	0	870	870	100 -	1	870	2625	3494
UN82210	Rsa1.0.03853.1	793	20447	0	791	791	100 -	3	793	14736	15526

UN82211	Rsa1.0.00167.1	873	116000	0	779	807	96 -	67	873	38313	39119
UN82212	Rsa1.0.03964.1	836	19835	0	721	767	94 -	91	836	2327	3093
UN82213	Rsa1.0.00748.1	830	65983	0	424	453	93 +	383	830	29105	29547
UN82214	Rsa1.0.01133.1	884	52916	0	608	608	100 +	277	884	32989	33596
UN82215	Rsa1.0.02223.1	857	152421	0	682	725	94 +	138	857	147903	148619
UN82216	Rsa1.0.00285.1	840	149638	0	839	841	99 -	1	840	145445	146285
UN82217	Rsa1.0.01055.1	536	55466	1.00E-165	295	295	100 +	124	418	27822	28116
UN82218	Rsa1.0.00016.1	874	831256	0	874	874	100 +	1	874	794863	795736
UN82219	Rsa1.0.04662.1	875	16477	0	843	863	97 +	15	875	3042	3897
UN82220	Rsa1.0.17949.1	840	1704	0	523	528	99 +	313	840	1	526
UN82221	Rsa1.0.00073.1	885	240924	0	424	435	97 -	453	885	65963	66394
UN82222	Rsa1.0.01789.1	839	39250	0	748	750	99 -	1	750	9785	10534
UN82223	Rsa1.0.00288.1	660	98659	0	659	660	99 -	1	660	19255	19914
UN82224	Rsa1.0.00006.1	838	396176	0	766	766	100 +	1	766	289324	290089
UN82225	Rsa1.0.00065.1	577	454616	1.00E-58	128	132	96 -	181	312	190841	190972
UN82226	Rsa1.0.00708.1	404	67366	0	398	405	98 -	1	404	5375	5779
UN82227	Rsa1.0.00145.1	891	261008	0	695	707	98 -	1	705	29294	30000
UN82228	Rsa1.0.19683.1	851	1397	0	793	850	93 -	1	849	102	950
UN82229	Rsa1.0.00069.1	759	403561	0	461	461	100 +	299	759	162099	162559
UN82230	Rsa1.0.00904.1	870	180594	0	800	879	91 -	7	870	17759	18604
UN82231	Rsa1.0.01712.1	897	154210	0	853	873	97 +	12	881	137243	138115
UN82232	Rsa1.0.00039.1	507	296927	2.00E-93	186	190	97 -	154	343	113194	113383
UN82233	Rsa1.0.03609.1	311	21798	1.00E-136	301	316	95 -	1	311	11750	12065
UN82234	Rsa1.0.06519.1	851	10858	0	460	460	100 +	1	460	351	810
UN82235	Rsa1.0.06021.1	851	11911	0	851	851	100 -	1	851	1603	2453
UN82236	Rsa1.0.00203.1	847	109129	0	846	848	99 +	1	847	22012	22858
UN82237	Rsa1.0.08016.1	257	8077	1.00E-129	251	257	97 -	1	257	1079	1335
UN82238	Rsa1.0.07406.1	859	9452	0	772	854	90 +	3	853	7943	8793
UN82239	Rsa1.0.00133.1	880	123768	0	880	881	99 -	1	880	39599	40479
UN82240	Rsa1.0.00871.1	826	61539	0	826	826	100 -	1	826	48625	49450
UN82241	Rsa1.0.00064.1	106	240927	2.00E-46	94	94	100 -	13	106	134797	134890
UN82242	Rsa1.0.01067.1	807	55230	2.00E-42	89	89	100 +	124	212	26955	27043
UN82243	Rsa1.0.04919.1	601	15440	1.00E-132	252	255	98 -	347	601	4635	4888
UN82244	Rsa1.0.02655.1	866	29027	1.00E-109	255	271	94 -	79	340	18609	18879
UN82245	Rsa1.0.00093.1	847	214962	0	450	450	100 -	398	847	92646	93095
UN82246	Rsa1.0.00190.1	722	318240	0	698	748	93 +	1	722	153013	153760
UN82247	Rsa1.0.06521.1	937	10856	0	404	406	99 +	153	557	9083	9488
UN82248	Rsa1.0.03275.1	871	24159	0	864	872	99 +	2	871	10612	11483
UN82249	Rsa1.0.05743.1	487	12768	1.00E-118	227	231	98 +	136	366	9994	10224

UN82250	Rsa1.0.00045.1	206	328694	7.00E-48	97	97	100 +	110	206	14590	14686
UN82251	Rsa1.0.04398.1	841	17550	0	704	727	96 -	1	722	14902	15627
UN82252	Rsa1.0.00194.1	793	110851	0	793	794	99 +	1	793	90613	91406
UN82253	Rsa1.0.02714.1	819	28470	0	816	819	99 -	1	819	26024	26842
UN82254	Rsa1.0.00293.1	115	339294	7.00E-59	115	115	100 -	1	115	299665	299779
UN82255	Rsa1.0.00564.1	843	75428	0	840	843	99 -	1	842	43570	44412
UN82256	Rsa1.0.00339.1	807	222974	0	805	805	100 -	3	807	40056	40860
UN82257	Rsa1.0.02585.1	823	29865	1.00E-125	235	236	99 +	1	235	18527	18762
UN82258	Rsa1.0.05336.1	626	14117	0	566	572	98 -	55	626	13198	13769
UN82259	Rsa1.0.00942.1	878	58873	0	751	823	91 +	72	878	11573	12389
UN82260	Rsa1.0.03448.1	869	22844	0	869	869	100 +	1	869	12216	13084
UN82261	Rsa1.0.00098.1	852	349239	0	825	856	96 +	2	852	229212	230059
UN82262	Rsa1.0.01005.1	254	56967	1.00E-49	103	104	99 +	63	166	10343	10446
UN82263	Rsa1.0.00387.1	890	495407	0	876	890	98 +	1	890	27930	28819
UN82264	Rsa1.0.00622.1	822	71822	0	822	822	100 -	1	822	26013	26834
UN82265	Rsa1.0.00104.1	450	368722	1.00E-105	265	288	92 +	1	285	33229	33507
UN82266	Rsa1.0.21630.1	879	1185	0	480	499	96 +	1	487	687	1185
UN82267	Rsa1.0.28309.1	820	820	0	783	786	99 -	8	793	1	785
UN82268	Rsa1.0.01731.1	861	40208	0	324	324	100 -	441	764	31791	32114
UN82269	Rsa1.0.00507.1	871	79074	0	823	884	93 -	1	871	59446	60308
UN82270	Rsa1.0.03502.1	880	22446	1.00E-126	274	289	94 +	264	552	7395	7683
UN82271	Rsa1.0.00326.1	857	171955	0	506	506	100 +	1	506	3068	3573
UN82272	Rsa1.0.02921.1	527	26779	0	527	527	100 +	1	527	9851	10377
UN82273	Rsa1.0.01827.1	704	143321	1.00E-131	238	238	100 -	467	704	128505	128742
UN82274	Rsa1.0.04424.1	834	17415	0	806	828	97 -	11	834	11185	12012
UN82275	Rsa1.0.00107.1	682	431659	0	674	683	98 +	1	682	320373	321055
UN82276	Rsa1.0.00206.1	858	109040	0	810	860	94 -	12	858	59781	60625
UN82277	Rsa1.0.01794.1	863	39215	0	859	863	99 -	2	863	17870	18732
UN82278	Rsa1.0.02474.1	881	31076	0	846	879	96 +	8	881	15563	16432
UN82279	Rsa1.0.00111.1	160	390088	3.00E-71	154	160	96 -	1	160	374653	374812
UN82280	Rsa1.0.00707.1	275	190112	1.00E-130	266	275	96 -	1	275	126334	126607
UN82281	Rsa1.0.01786.1	858	133324	0	535	536	99 +	5	540	118215	118750
UN82282	Rsa1.0.04355.1	470	146733	1.00E-138	287	296	96 +	175	470	140983	141274
UN82283	Rsa1.0.01431.1	882	167877	1.00E-139	359	393	91 +	470	844	147914	148304
UN82284	Rsa1.0.01217.1	207	50554	1.00E-101	202	207	97 -	1	207	12804	13010
UN82285	Rsa1.0.00979.1	331	57733	3.00E-97	183	184	99 -	113	296	42016	42199
UN82286	Rsa1.0.08922.1	851	6788	0	373	383	97 +	1	382	3761	4140
UN82287	Rsa1.0.00235.1	798	154696	0	789	793	99 -	6	798	59769	60559
UN82288	Rsa1.0.00013.1	565	292129	0	458	458	100 +	108	565	155634	156091

UN82289	Rsa1.0_00269.1	820	341668	0	819	820	99 +	1	820	282405	283224
UN82290	Rsa1.0_23478.1	740	1046	0	481	487	98 +	254	740	346	832
UN82291	Rsa1.0_00196.1	711	109960	0	699	709	98 -	3	711	11292	11998
UN82292	Rsa1.0_00749.1	702	65933	0	575	588	97 -	116	702	44849	45434
UN82293	Rsa1.0_01035.1	835	56019	0	488	488	100 -	6	493	47064	47551
UN82294	Rsa1.0_01864.1	790	37998	1.00E-153	274	274	100 +	239	512	29363	29636
UN82295	Rsa1.0_01364.1	838	47172	1.00E-114	255	269	94 +	14	279	18354	18619
UN82296	Rsa1.0_00102.1	853	135497	0	597	598	99 +	4	600	72030	72627
UN82297	Rsa1.0_00502.1	854	204180	1.00E-145	262	262	100 -	364	625	184771	185032
UN82298	Rsa1.0_00116.1	803	365886	0	803	803	100 +	1	803	142909	143711
UN82299	Rsa1.0_03545.1	719	147543	0	516	516	100 -	204	719	21428	21943
UN82300	Rsa1.0_00468.1	877	82095	0	854	878	97 -	1	877	17600	18455
UN82301	Rsa1.0_00257.1	223	102407	2.00E-48	161	182	88 +	47	223	95763	95944
UN82302	Rsa1.0_00037.1	819	307838	0	815	819	99 +	1	819	186276	187094
UN82303	Rsa1.0_02855.1	851	27271	0	479	480	99 +	61	540	10359	10838
UN82304	#	#	#	#	#	#	#	#	#	#	#
UN82305	Rsa1.0_03399.1	763	23204	0	750	761	98 -	6	763	19810	20570
UN82306	Rsa1.0_00892.1	843	60703	0	506	506	100 +	338	843	4267	4772
UN82307	Rsa1.0_04223.1	782	18407	0	780	780	100 +	3	782	16223	17002
UN82308	Rsa1.0_01611.1	854	42269	0	847	856	98 +	1	854	39004	39859
UN82309	Rsa1.0_00942.1	710	58873	0	692	713	97 -	1	710	24149	24858
UN82310	Rsa1.0_08961.1	460	6750	0	445	461	96 -	1	460	5054	5509
UN82311	Rsa1.0_03353.1	806	23496	0	349	357	97 +	1	357	14924	15280
UN82312	Rsa1.0_00122.1	671	265937	0	651	664	98 -	1	663	252872	253535
UN82313	Rsa1.0_00796.1	832	63997	0	827	827	100 -	1	827	46758	47584
UN82314	Rsa1.0_01755.1	509	155581	1.00E-109	270	293	92 +	227	509	2013	2305
UN82315	Rsa1.0_00632.1	815	183777	0	815	815	100 -	1	815	176180	176994
UN82316	Rsa1.0_01731.1	503	40208	0	472	472	100 +	1	472	31053	31524
UN82317	Rsa1.0_11424.1	846	5513	0	547	549	99 -	298	846	4965	5513
UN82318	Rsa1.0_00326.1	812	171955	0	812	813	99 +	1	812	69617	70429
UN82319	Rsa1.0_00151.1	847	119541	1.00E-137	351	383	91 -	8	382	85430	85797
UN82320	Rsa1.0_01581.1	413	42833	1.00E-131	367	410	89 -	4	413	1999	2408
UN82321	Rsa1.0_01292.1	712	175783	0	669	690	96 -	25	712	145980	146660
UN82322	Rsa1.0_00087.1	831	761073	0	831	831	100 -	1	831	332489	333319
UN82323	Rsa1.0_00009.1	774	232558	0	754	771	97 +	1	771	130947	131717
UN82324	Rsa1.0_01125.1	866	53193	0	398	398	100 -	1	398	20384	20781
UN82325	Rsa1.0_02808.1	859	27677	0	824	859	95 +	1	859	13396	14250
UN82326	Rsa1.0_00205.1	563	193401	1.00E-113	207	207	100 -	356	562	130139	130345
UN82327	Rsa1.0_46102.1	442	489	1.00E-60	174	193	90 +	251	442	167	348

UN82328	Rsa1.0.00071.1	733	345714	0	709	734	96 +	2	733	334642	335369
UN82329	Rsa1.0.00040.1	182	324196	1.00E-98	182	182	100 +	1	182	208449	208630
UN82330	Rsa1.0.01571.1	672	43000	0	413	420	98 -	2	421	13732	14151
UN82331	Rsa1.0.00016.1	828	831256	1.00E-138	250	250	100 +	485	734	50170	50419
UN82332	Rsa1.0.00481.1	779	81316	0	470	490	95 -	290	779	53385	53862
UN82333	Rsa1.0.03673.1	778	21448	0	366	366	100 -	413	778	4224	4589
UN82334	Rsa1.0.06915.1	145	10174	2.00E-75	143	143	100 +	1	143	1452	1594
UN82335	Rsa1.0.05904.1	190	12279	3.00E-16	80	92	86 -	45	136	815	906
UN82336	Rsa1.0.06209.1	805	11484	0	430	431	99 +	1	431	2289	2719
UN82337	Rsa1.0.00354.1	857	232005	1.00E-162	289	289	100 -	218	506	56454	56742
UN82338	Rsa1.0.00596.1	838	73578	1.00E-111	212	213	99 -	11	222	66874	67086
UN82339	Rsa1.0.01170.1	890	161131	0	885	885	100 +	6	890	3829	4713
UN82340	Rsa1.0.10992.1	849	5653	0	838	838	100 +	1	838	3257	4094
UN82341	Rsa1.0.00699.1	814	184398	0	811	815	99 -	1	814	166020	166834
UN82342	Rsa1.0.00686.1	818	68511	0	613	629	97 +	192	818	13837	14458
UN82343	Rsa1.0.02462.1	866	31158	1.00E-110	244	258	94 -	467	724	9780	10037
UN82344	Rsa1.0.00222.1	839	172263	0	418	427	97 -	1	426	36815	37239
UN82345	Rsa1.0.00288.1	850	98659	0	501	525	95 -	1	523	89852	90372
UN82346	Rsa1.0.02879.1	867	27047	0	785	803	97 +	23	825	6667	7469
UN82347	Rsa1.0.01516.1	836	44196	1.00E-180	406	433	93 +	45	468	25249	25680
UN82348	Rsa1.0.00144.1	755	120708	0	739	754	98 -	2	755	23779	24532
UN82349	Rsa1.0.01260.1	671	49750	0	404	420	96 -	12	431	25858	26277
UN82350	Rsa1.0.00003.1	842	340054	0	487	521	93 -	3	510	18413	18932
UN82351	Rsa1.0.06157.1	827	11605	0	827	828	99 +	1	827	7327	8154
UN82352	Rsa1.0.02032.1	544	35830	0	540	541	99 +	5	544	31493	32033
UN82353	Rsa1.0.07694.1	621	8776	0	386	388	99 +	235	621	8243	8630
UN82354	Rsa1.0.00692.1	790	68151	0	567	567	100 +	224	790	61517	62083
UN82355	Rsa1.0.00221.1	866	106972	0	866	866	100 +	1	866	16339	17204
UN82356	Rsa1.0.03884.1	839	20274	0	324	324	100 +	104	427	18985	19308
UN82357	Rsa1.0.42785.1	872	525	1.00E-55	114	115	99 -	265	379	9	123
UN82358	Rsa1.0.00786.1	877	64285	1.00E-165	376	397	94 +	488	877	59915	60311
UN82359	Rsa1.0.00477.1	674	81556	0	605	666	90 +	1	650	13738	14384
UN82360	Rsa1.0.00739.1	514	66155	0	359	366	98 +	149	513	18599	18963
UN82361	Rsa1.0.00164.1	644	116642	0	643	643	100 +	2	644	52890	53532
UN82362	Rsa1.0.10795.1	804	5718	0	731	793	92 -	1	771	4188	4979
UN82363	Rsa1.0.03557.1	872	22115	0	868	872	99 -	1	872	16905	17776
UN82364	Rsa1.0.00076.1	860	146021	0	847	876	96 -	1	860	71054	71927
UN82365	Rsa1.0.00062.1	824	299291	0	737	737	100 -	88	824	293546	294282
UN82366	Rsa1.0.01516.1	503	44196	1.00E-160	341	358	95 +	66	422	24091	24448

UN82367	Rsa1.0.01791.1	847	160383	0	700	710	98 -	1	704	151288	151997
UN82368	Rsa1.0.01811.1	683	38977	1.00E-149	268	268	100 +	416	683	18619	18886
UN82369	Rsa1.0.01343.1	605	47735	0	490	499	98 +	3	498	5094	5592
UN82370	Rsa1.0.00359.1	671	91256	0	638	678	94 +	1	671	55206	55861
UN82371	Rsa1.0.11694.1	134	131228	4.00E-51	118	122	96 -	1	122	127845	127965
UN82372	Rsa1.0.04907.1	582	15490	0	582	582	100 +	1	582	8363	8944
UN82373	Rsa1.0.01406.1	527	46439	0	527	528	99 +	1	527	32538	33065
UN82374	Rsa1.0.05123.1	101	14790	4.00E-41	97	101	96 +	1	101	13412	13512
UN82375	Rsa1.0.00127.1	493	127446	3.00E-89	220	233	94 +	262	493	25365	25592
UN82376	Rsa1.0.03435.1	589	22958	0	355	360	98 -	1	360	20721	21078
UN82377	Rsa1.0.05804.1	540	12586	0	488	515	94 -	6	513	9743	10257
UN82378	Rsa1.0.04762.1	377	16101	0	377	377	100 -	1	377	14564	14940
UN82379	Rsa1.0.73123.1	545	313	1.00E-151	292	295	98 -	254	545	19	313
UN82380	Rsa1.0.00620.1	900	71985	0	448	448	100 -	1	448	58404	58851
UN82381	Rsa1.0.00682.1	758	68680	0	365	373	97 +	1	372	1977	2349
UN82382	Rsa1.0.01710.1	907	40586	0	784	794	98 +	116	907	23702	24495
UN82383	Rsa1.0.00331.1	919	176754	4.00E-16	96	113	84 -	807	919	22961	23073
UN82384	#	#	#	#	#	#	#	#	#	#	#
UN82385	Rsa1.0.01523.1	806	43959	0	583	585	99 -	8	592	27960	28542
UN82386	Rsa1.0.01882.1	870	37697	0	534	534	100 -	1	534	9325	9858
UN82387	Rsa1.0.00385.1	852	89160	0	811	857	94 +	7	852	27828	28676
UN82388	Rsa1.0.02110.1	887	34919	0	440	440	100 -	26	465	28812	29251
UN82389	Rsa1.0.00019.1	832	301669	0	793	841	94 +	1	832	119738	120555
UN82390	Rsa1.0.00383.1	875	398431	0	830	870	95 +	6	875	176075	176933
UN82391	Rsa1.0.31450.1	832	727	1.00E-107	235	247	95 +	499	737	1	247
UN82392	Rsa1.0.00178.1	864	114861	0	526	537	97 -	1	537	38681	39217
UN82393	Rsa1.0.13834.1	796	4246	4.00E-77	295	343	86 +	110	451	1714	2056
UN82394	Rsa1.0.02477.1	849	31058	0	778	800	97 +	11	810	13030	13823
UN82395	Rsa1.0.00370.1	716	90472	0	398	398	100 +	319	716	18524	18921
UN82396	Rsa1.0.00987.1	817	57543	1.00E-123	258	269	95 +	1	269	416	684
UN82397	Rsa1.0.03138.1	853	25092	1.00E-118	216	216	100 +	201	416	6030	6245
UN82398	Rsa1.0.04974.1	820	15264	1.00E-116	213	213	100 -	1	213	8164	8376
UN82399	Rsa1.0.00648.1	568	70351	1.00E-173	315	316	99 +	254	568	16350	16665
UN82400	Rsa1.0.04567.1	503	16819	0	503	503	100 +	1	503	7245	7747
UN82401	#	#	#	#	#	#	#	#	#	#	#
UN82402	Rsa1.0.00223.1	703	106231	0	404	404	100 -	1	404	104386	104789
UN82403	Rsa1.0.00835.1	751	278058	0	747	752	99 +	1	751	5387	6138
UN82404	Rsa1.0.00044.1	446	271658	0	425	425	100 -	22	446	157837	158261
UN82405	Rsa1.0.00751.1	736	65759	0	734	734	100 -	3	736	57586	58319

UN82406	Rsa1.0.01557.1	353	43291	1.00E-154	275	275	100 -	79	353	690	964
UN82407	Rsa1.0.00160.1	665	346678	7.00E-97	180	180	100 +	13	192	318676	318855
UN82408	Rsa1.0.12064.1	339	5328	3.00E-60	133	138	96 -	202	339	444	581
UN82409	Rsa1.0.06054.1	527	11847	2.00E-93	197	201	98 +	300	496	1351	1551
UN82410	Rsa1.0.01931.1	451	37187	0	451	451	100 -	1	451	27520	27970
UN82411	Rsa1.0.06169.1	862	11578	1.00E-62	161	173	93 +	435	604	7112	7284
UN82412	Rsa1.0.01245.1	892	149868	0	871	886	98 +	8	892	15056	15934
UN82413	Rsa1.0.08744.1	212	6970	1.00E-112	212	213	99 -	1	212	15	227
UN82414	Rsa1.0.05823.1	237	12521	1.00E-119	232	237	97 +	1	237	5670	5906
UN82415	Rsa1.0.00928.1	865	59293	1.00E-99	202	207	97 -	659	865	30981	31184
UN82416	Rsa1.0.01430.1	409	46034	1.00E-103	285	314	90 -	33	345	25511	25823
UN82417	Rsa1.0.01691.1	829	40921	0	817	830	98 -	1	829	21617	22446
UN82418	Rsa1.0.00893.1	873	60626	0	832	903	92 -	1	873	26988	27876
UN82419	Rsa1.0.00115.1	472	131321	0	472	472	100 +	1	472	42977	43448
UN82420	Rsa1.0.00023.1	859	194764	0	833	869	95 -	1	859	95918	96783
UN82421	Rsa1.0.02297.1	851	160804	0	641	641	100 +	211	851	149293	149933
UN82422	Rsa1.0.00344.1	321	191774	1.00E-72	160	167	95 +	123	289	119598	119764
UN82423	Rsa1.0.00191.1	376	316976	1.00E-63	131	132	99 +	1	131	19818	19949
UN82424	Rsa1.0.01824.1	266	38733	1.00E-117	256	267	95 -	5	266	7154	7419
UN82425	Rsa1.0.03553.1	518	22150	0	500	518	96 -	6	513	18243	18760
UN82426	Rsa1.0.00829.1	480	158305	0	450	485	92 +	1	480	144379	144857
UN82427	Rsa1.0.00052.1	527	162771	1.00E-138	249	249	100 -	1	249	58551	58799
UN82428	Rsa1.0.03694.1	516	21336	1.00E-126	250	257	97 +	147	403	549	805
UN82429	Rsa1.0.06508.1	316	10874	1.00E-157	280	280	100 -	1	280	3150	3429
UN82430	Rsa1.0.19311.1	523	1449	2.00E-87	272	307	88 -	66	372	335	639
UN82431	Rsa1.0.01355.1	554	47303	0	545	555	98 -	1	554	19826	20374
UN82432	Rsa1.0.19836.1	471	1377	0	441	470	93 +	2	471	190	659
UN82433	Rsa1.0.00121.1	588	278029	0	540	549	98 +	1	549	88766	89311
UN82434	Rsa1.0.12538.1	838	5199	0	361	363	99 +	435	797	2138	2500
UN82435	Rsa1.0.00168.1	843	115870	0	842	843	99 +	2	843	36877	37719
UN82436	Rsa1.0.00003.1	851	340054	0	600	644	93 +	237	851	168580	169223
UN82437	#	#	#	#	#	#	#	#	#	#	#
UN82438	Rsa1.0.02871.1	864	27085	0	831	867	95 -	1	864	25211	26077
UN82439	Rsa1.0.18464.1	673	1594	0	498	498	100 +	176	673	1	498
UN82440	Rsa1.0.04395.1	395	17570	1.00E-132	239	239	100 +	157	395	9572	9810
UN82441	Rsa1.0.00304.1	812	97429	1.00E-131	237	237	100 -	448	684	25354	25590
UN82442	Rsa1.0.00207.1	878	248736	0	497	509	97 -	370	878	32766	33274
UN82443	Rsa1.0.06349.1	401	11199	0	359	362	99 -	41	401	7023	7384
UN82444	Rsa1.0.01092.1	408	54348	0	373	380	98 +	1	379	3736	4115

UN82445	Rsa1.0.00040.1	205	324196	7.00E-85	159	159	100 -	47	205	54391	54549
UN82446	Rsa1.0.06170.1	116	11575	2.00E-59	116	116	100 -	1	116	4985	5100
UN82447	Rsa1.0.00628.1	557	214360	1.00E-109	207	208	99 -	332	539	17600	17806
UN82448	Rsa1.0.05599.1	521	143653	0	510	523	97 -	1	521	131440	131955
UN82449	Rsa1.0.00300.1	339	97747	0	337	339	99 +	1	339	9921	10258
UN82450	Rsa1.0.00728.1	268	66704	2.00E-58	143	151	94 +	7	156	18475	18625
UN82451	Rsa1.0.00178.1	493	114861	0	479	498	96 -	2	493	29232	29726
UN82452	Rsa1.0.01101.1	599	54031	1.00E-171	373	393	94 +	198	589	6785	7176
UN82453	Rsa1.0.00019.1	481	301669	0	404	404	100 -	1	404	295015	295418
UN82454	Rsa1.0.02429.1	657	31527	1.00E-150	285	290	98 +	365	654	12481	12770
UN82455	Rsa1.0.56381.1	524	406	0	348	350	99 +	11	359	29	378
UN82456	Rsa1.0.01644.1	520	41754	0	425	426	99 -	96	520	40774	41199
UN82457	Rsa1.0.13379.1	853	4876	0	553	562	98 +	12	573	4318	4876
UN82458	Rsa1.0.00801.1	931	63861	0	930	933	99 -	1	931	61594	62525
UN82459	Rsa1.0.00539.1	757	76926	0	466	478	97 +	278	755	67748	68222
UN82460	Rsa1.0.00076.1	780	146021	0	594	594	100 +	1	594	126685	127278
UN82461	Rsa1.0.00051.1	601	258225	1.00E-115	211	211	100 +	391	601	119097	119307
UN82462	Rsa1.0.38134.1	594	591	1.00E-165	371	399	92 +	1	377	14	412
UN82463	Rsa1.0.00979.1	889	57733	0	888	889	99 -	1	889	32332	33219
UN82464	Rsa1.0.06185.1	381	11540	1.00E-124	232	233	99 -	1	232	4583	4815
UN82465	Rsa1.0.10866.1	837	5697	0	740	818	90 +	8	805	682	1474
UN82466	Rsa1.0.14278.1	814	3582	1.00E-153	275	275	100 +	540	814	24	298
UN82467	Rsa1.0.02732.1	776	28372	0	714	771	92 -	6	769	27433	28192
UN82468	Rsa1.0.36664.1	820	615	0	615	615	100 -	75	689	1	615
UN82469	Rsa1.0.01182.1	835	167304	0	546	547	99 -	1	546	26261	26807
UN82470	Rsa1.0.17287.1	856	1871	0	833	856	97 +	1	856	581	1436
UN82471	Rsa1.0.00005.1	559	353093	0	492	517	95 +	16	532	348222	348738
UN82472	Rsa1.0.00381.1	720	89718	1.00E-156	323	337	95 -	1	334	75167	75503
UN82473	Rsa1.0.00053.1	814	263459	1.00E-179	319	319	100 +	1	319	158980	159298
UN82474	Rsa1.0.05058.1	881	14977	0	840	893	94 -	1	881	13530	14412
UN82475	Rsa1.0.05918.1	521	12244	1.00E-144	259	259	100 -	263	521	3491	3749
UN82476	Rsa1.0.01651.1	818	41586	0	492	494	99 -	325	818	41093	41586
UN82477	Rsa1.0.00435.1	866	317579	0	825	868	95 -	1	866	68712	69562
UN82478	Rsa1.0.04022.1	877	19534	1.00E-111	215	217	99 +	624	839	12548	12764
UN82479	Rsa1.0.08841.1	698	6870	0	668	698	95 +	1	698	737	1431
UN82480	Rsa1.0.02656.1	818	29018	0	817	818	99 -	2	818	946	1763
UN82481	Rsa1.0.00682.1	677	68680	0	646	661	97 +	17	677	13393	14049
UN82482	Rsa1.0.00944.1	835	58733	2.00E-66	156	165	94 -	447	611	38468	38632
UN82483	Rsa1.0.02960.1	865	26440	0	435	443	98 +	98	540	22638	23080

UN82484	Rsa1.0.00524.1	871	169613	0	863	864	99 +	9	871	158925	159788
UN82485	Rsa1.0.01941.1	637	37069	1.00E-103	200	203	98 +	435	637	33221	33423
UN82486	Rsa1.0.00378.1	788	89892	0	479	479	100 -	1	479	72856	73334
UN82487	Rsa1.0.00049.1	851	167018	0	623	639	97 +	15	651	146059	146695
UN82488	Rsa1.0.00915.1	787	194446	0	759	784	96 -	10	787	31771	32554
UN82489	Rsa1.0.46616.1	880	484	0	445	446	99 -	435	880	39	484
UN82490	Rsa1.0.01509.1	732	44258	0	732	732	100 -	1	732	30648	31379
UN82491	Rsa1.0.03347.1	720	23588	0	681	708	96 -	20	720	18393	19097
UN82492	Rsa1.0.02365.1	919	32118	0	919	921	99 +	1	919	26908	27828
UN82493	Rsa1.0.03684.1	853	21392	0	545	545	100 -	1	545	20410	20954
UN82494	Rsa1.0.01566.1	361	43134	0	356	358	99 +	4	361	38492	38848
UN82495	Rsa1.0.02767.1	853	28111	0	853	853	100 -	1	853	10799	11651
UN82496	Rsa1.0.00198.1	829	222963	0	819	829	98 -	1	829	81309	82137
UN82497	Rsa1.0.00610.1	718	72740	0	657	678	96 -	41	718	44430	45104
UN82498	Rsa1.0.01992.1	879	36424	0	878	880	99 -	1	879	8102	8981
UN82499	Rsa1.0.01731.1	457	40208	1.00E-119	225	226	99 +	1	225	34923	35148
UN82500	Rsa1.0.00504.1	841	79334	5.00E-86	162	162	100 -	391	552	28812	28973
UN82501	Rsa1.0.17678.1	756	1766	0	707	743	95 -	1	741	712	1449
UN82502	Rsa1.0.36653.1	802	615	0	615	615	100 -	94	708	1	615
UN82503	Rsa1.0.00944.1	886	58733	0	874	880	99 +	8	886	20478	21357
UN82504	Rsa1.0.00305.1	777	97308	0	538	539	99 -	1	539	93260	93797
UN82505	Rsa1.0.00228.1	340	105511	4.00E-75	185	194	95 +	2	193	59578	59768
UN82506	Rsa1.0.09276.1	880	6505	0	397	407	97 -	477	880	2347	2753
UN82507	Rsa1.0.06570.1	459	10751	0	455	460	98 -	1	459	8109	8568
UN82508	Rsa1.0.07042.1	336	9987	0	335	336	99 +	1	336	4894	5229
UN82509	Rsa1.0.03669.1	551	147114	0	544	550	98 -	2	551	12173	12722
UN82510	Rsa1.0.04716.1	859	16262	0	715	719	99 +	1	717	3202	3920
UN82511	Rsa1.0.02400.1	881	31750	0	877	881	99 +	1	881	28574	29454
UN82512	Rsa1.0.00010.1	205	294827	1.00E-86	191	200	95 +	6	205	272977	273173
UN82513	Rsa1.0.05325.1	854	14141	0	789	856	92 +	4	854	4835	5663
UN82514	Rsa1.0.02745.1	833	28263	0	833	833	100 +	1	833	17060	17892
UN82515	Rsa1.0.23881.1	350	1020	0	350	351	99 +	1	350	309	659
UN82516	Rsa1.0.01512.1	705	44234	0	454	468	97 -	1	468	34074	34541
UN82517	Rsa1.0.00195.1	887	251884	1.00E-157	290	293	98 +	382	674	98251	98543
UN82518	Rsa1.0.01215.1	846	166813	0	369	381	96 +	1	376	41922	42301
UN82519	Rsa1.0.03406.1	864	23159	3.00E-44	227	272	83 -	543	814	733	1004
UN82520	Rsa1.0.04159.1	498	18795	0	472	497	94 +	2	497	12149	12636
UN82521	Rsa1.0.07743.1	627	8670	0	341	341	100 +	287	627	6545	6885
UN82522	Rsa1.0.13702.1	782	4456	0	732	747	97 +	1	745	984	1728

UN82523	Rsa1.0.03436.1	514	22958	0	472	472	100 -	43	514	3745	4216
UN82524	Rsa1.0.03681.1	859	21405	0	858	858	100 +	2	859	12332	13189
UN82525	Rsa1.0.05709.1	844	12867	0	844	846	99 +	1	844	7655	8500
UN82526	Rsa1.0.02951.1	863	26505	0	482	482	100 +	2	483	11337	11818
UN82527	Rsa1.0.00144.1	858	120708	1.00E-179	324	326	99 +	5	330	45242	45567
UN82528	Rsa1.0.00795.1	520	64022	0	518	521	99 -	1	520	608	1128
UN82529	Rsa1.0.27327.1	542	857	0	449	449	100 -	1	449	1	449
UN82530	Rsa1.0.13918.1	427	4094	1.00E-131	238	238	100 +	1	238	424	661
UN82531	Rsa1.0.00527.1	703	77733	0	568	568	100 +	10	577	48093	48660
UN82532	Rsa1.0.00173.1	564	288743	0	555	562	98 -	3	564	277289	277850
UN82533	Rsa1.0.02774.1	448	28038	0	367	368	99 -	78	445	3945	4312
UN82534	Rsa1.0.00416.1	849	86772	0	760	786	96 +	69	849	45873	46655
UN82535	Rsa1.0.00173.1	514	288743	0	329	330	99 +	1	329	39260	39589
UN82536	#	#	#	#	#	#	#	#	#	#	#
UN82537	Rsa1.0.03582.1	776	21963	5.00E-58	133	139	95 -	638	776	5111	5249
UN82538	Rsa1.0.00646.1	114	70473	3.00E-58	114	114	100 +	1	114	9968	10081
UN82539	Rsa1.0.01489.1	828	44764	0	554	554	100 -	1	554	1372	1925
UN82540	Rsa1.0.13488.1	733	4777	0	647	721	89 +	1	717	2307	3005
UN82541	Rsa1.0.00888.1	867	60978	0	807	830	97 -	1	821	9104	9933
UN82542	Rsa1.0.31254.1	810	732	0	635	663	95 +	148	810	1	648
UN82543	Rsa1.0.02287.1	848	32986	0	839	855	98 +	1	846	25235	26089
UN82544	Rsa1.0.00195.1	774	251884	0	711	765	92 -	10	774	215692	216423
UN82545	Rsa1.0.09735.1	883	6180	1.00E-18	88	101	87 -	651	751	294	394
UN82546	Rsa1.0.00573.1	755	74821	0	375	381	98 -	1	381	46214	46594
UN82547	Rsa1.0.00873.1	863	61459	0	826	843	97 +	1	841	18315	19157
UN82548	Rsa1.0.02538.1	857	30364	1.00E-171	420	461	91 +	1	459	2776	3211
UN82549	Rsa1.0.01302.1	810	48907	0	806	809	99 -	2	810	34704	35512
UN82550	Rsa1.0.00037.1	837	307838	0	567	592	95 +	250	837	80408	80999
UN82551	Rsa1.0.01761.1	865	39717	0	772	772	100 -	1	772	15829	16600
UN82552	Rsa1.0.00125.1	884	253043	0	349	357	97 -	395	751	186651	187007
UN82553	Rsa1.0.00293.1	925	339294	0	922	927	99 +	1	925	302296	303221
UN82554	Rsa1.0.03070.1	832	25578	0	526	572	91 -	1	569	668	1234
UN82555	Rsa1.0.16147.1	837	2267	0	732	832	87 -	9	834	215	1029
UN82556	Rsa1.0.01794.1	157	39215	1.00E-39	90	91	98 +	1	90	31310	31400
UN82557	Rsa1.0.00198.1	801	222963	0	396	403	98 -	21	423	25601	26003
UN82558	Rsa1.0.00048.1	839	167185	0	668	685	97 -	155	839	107444	108128
UN82559	Rsa1.0.02079.1	871	35306	0	603	618	97 -	136	753	9390	10004
UN82560	Rsa1.0.03261.1	790	24281	0	376	376	100 +	151	526	4757	5132
UN82561	Rsa1.0.00414.1	854	202190	0	379	379	100 +	1	379	200296	200674

UN82562	Rsa1.0_00264.1	832	101674	0	832	832	100 +	1	832	39519	40350
UN82563	Rsa1.0_00124.1	802	262503	0	785	804	97 -	5	802	27387	28186
UN82564	Rsa1.0_00237.1	872	235974	0	870	872	99 -	1	872	200367	201238
UN82565	Rsa1.0_01932.1	868	37177	0	868	869	99 +	1	868	28193	29061
UN82566	Rsa1.0_00316.1	853	96264	0	851	851	100 +	3	853	80838	81688
UN82567	Rsa1.0_00085.1	855	142226	0	854	855	99 +	1	855	29022	29875
UN82568	Rsa1.0_00473.1	857	212204	0	384	402	95 -	1	393	79061	79461
UN82569	Rsa1.0_02616.1	531	29542	1.00E-136	251	253	99 +	12	264	19618	19870
UN82570	Rsa1.0_12857.1	345	5096	5.00E-84	245	274	89 -	7	280	2329	2602
UN82571	Rsa1.0_00114.1	423	131330	3.00E-18	72	80	90 +	220	299	67043	67122
UN82572	Rsa1.0_02247.1	881	33427	0	466	466	100 +	416	881	11477	11942
UN82573	Rsa1.0_00037.1	888	307838	0	422	424	99 +	466	888	239665	240088
UN82574	Rsa1.0_00123.1	776	325650	0	366	377	97 -	15	391	247023	247396
UN82575	Rsa1.0_00474.1	776	81731	0	608	616	98 +	1	616	1153	1767
UN82576	Rsa1.0_04112.1	573	18989	0	546	570	95 -	5	573	3166	3734
UN82577	Rsa1.0_00985.1	887	161950	0	584	584	100 -	1	584	23197	23780
UN82578	Rsa1.0_01400.1	858	46560	1.00E-131	341	370	92 -	334	688	11678	12043
UN82579	Rsa1.0_05156.1	533	14648	1.00E-172	313	314	99 +	220	533	1	313
UN82580	Rsa1.0_00959.1	824	58202	0	817	817	100 -	4	820	57210	58026
UN82581	Rsa1.0_08403.1	822	7416	0	819	822	99 -	1	822	1085	1903
UN82582	Rsa1.0_06619.1	686	10650	1.00E-175	324	327	99 +	7	331	545	871
UN82583	Rsa1.0_00029.1	144	272992	5.00E-57	136	144	94 +	1	144	10362	10505
UN82584	Rsa1.0_00018.1	816	410899	0	412	412	100 -	405	816	235692	236103
UN82585	Rsa1.0_00176.1	832	240984	0	396	399	99 +	193	591	155819	156217
UN82586	Rsa1.0_00040.1	547	324196	0	547	549	99 +	1	547	163988	164536
UN82587	Rsa1.0_00771.1	666	64870	0	662	666	99 -	1	666	62048	62713
UN82588	Rsa1.0_18069.1	809	1678	1.00E-141	254	254	100 -	556	809	872	1125
UN82589	Rsa1.0_07604.1	808	9041	0	789	809	97 -	1	808	5294	6102
UN82590	Rsa1.0_00129.1	360	126831	0	360	367	98 -	1	360	114947	115313
UN82591	Rsa1.0_00612.1	805	72376	0	546	575	94 -	1	563	37278	37848
UN82592	Rsa1.0_07280.1	841	9624	0	533	533	100 +	104	636	1	533
UN82593	Rsa1.0_00092.1	857	659932	0	854	854	100 +	4	857	48566	49419
UN82594	Rsa1.0_01555.1	854	166456	0	818	847	96 -	1	837	31888	32731
UN82595	Rsa1.0_07556.1	836	9136	0	592	592	100 -	5	596	1	592
UN82596	Rsa1.0_00059.1	855	159650	0	848	848	100 +	1	848	21453	22300
UN82597	Rsa1.0_04778.1	808	16010	0	795	809	98 -	1	808	9635	10443
UN82598	Rsa1.0_01047.1	834	55705	0	380	380	100 -	1	380	14992	15371
UN82599	Rsa1.0_00007.1	764	239325	1.00E-140	253	253	100 -	512	764	30264	30516
UN82600	Rsa1.0_02031.1	879	35833	0	879	880	99 +	1	879	13679	14558

UN82601	Rsa1.0.00384.1	702	89278	0	697	702	99 -	1	702	20301	21002
UN82602	Rsa1.0.03333.1	820	23662	1.00E-144	259	259	100 -	1	259	19376	19634
UN82603	Rsa1.0.00271.1	872	101125	0	332	332	100 -	413	744	63541	63872
UN82604	Rsa1.0.00017.1	857	752458	0	538	538	100 +	1	538	691495	692032
UN82605	Rsa1.0.00094.1	778	139042	0	389	396	98 -	2	397	97239	97633
UN82606	#	#	#	#	#	#	#	#	#	#	#
UN82607	Rsa1.0.05410.1	607	13840	0	585	625	93 -	6	607	6103	6725
UN82608	Rsa1.0.01348.1	770	47569	0	768	770	99 +	1	770	16706	17475
UN82609	Rsa1.0.00308.1	807	96915	1.00E-171	304	304	100 +	1	304	9498	9801
UN82610	Rsa1.0.01488.1	749	44766	0	559	576	97 +	4	577	6347	6922
UN82611	Rsa1.0.03880.1	853	20293	1.00E-131	238	238	100 +	230	467	18509	18746
UN82612	Rsa1.0.00205.1	780	193401	0	402	406	99 -	1	406	15834	16235
UN82613	Rsa1.0.03813.1	884	20708	1.00E-169	302	302	100 -	203	504	17460	17761
UN82614	Rsa1.0.01504.1	878	189978	0	878	878	100 +	1	878	166120	166997
UN82615	#	#	#	#	#	#	#	#	#	#	#
UN82616	Rsa1.0.02369.1	877	32075	0	814	879	92 +	1	877	479	1327
UN82617	Rsa1.0.01899.1	328	37474	5.00E-93	173	173	100 -	37	209	32267	32439
UN82618	Rsa1.0.50308.1	861	451	1.00E-167	307	310	99 +	3	312	142	451
UN82619	Rsa1.0.00016.1	852	831256	0	340	340	100 -	436	775	251373	251712
UN82620	Rsa1.0.06573.1	873	10742	0	838	874	95 -	1	873	60	933
UN82621	Rsa1.0.29369.1	845	785	1.00E-174	348	358	97 -	1	358	1	356
UN82622	Rsa1.0.03357.1	900	23478	0	865	896	96 -	17	900	18285	19175
UN82623	Rsa1.0.21950.1	870	1160	0	574	576	99 -	295	870	585	1160
UN82624	Rsa1.0.56368.1	739	406	1.00E-166	303	304	99 +	328	631	1	303
UN82625	Rsa1.0.01516.1	120	44196	2.00E-40	111	120	92 -	1	120	25246	25365
UN82626	Rsa1.0.01845.1	374	38415	3.00E-82	158	159	99 +	216	374	14533	14691
UN82627	Rsa1.0.01884.1	795	37659	0	427	455	93 -	143	594	25379	25833
UN82628	Rsa1.0.00117.1	778	213118	3.00E-75	159	164	96 +	553	716	54612	54775
UN82629	Rsa1.0.00226.1	857	105884	0	597	597	100 -	1	597	78553	79149
UN82630	Rsa1.0.07742.1	813	8670	0	791	824	95 +	1	813	6359	7179
UN82631	Rsa1.0.01160.1	534	52068	1.00E-158	309	316	97 -	222	534	42504	42817
UN82632	Rsa1.0.00019.1	175	301669	2.00E-88	165	165	100 +	11	175	209195	209359
UN82633	Rsa1.0.00113.1	435	131574	1.00E-114	208	208	100 +	3	210	36552	36759
UN82634	Rsa1.0.00525.1	434	78030	0	434	436	99 -	1	434	9015	9450
UN82635	Rsa1.0.01450.1	456	144251	4.00E-17	55	57	96 -	143	197	11849	11905
UN82636	Rsa1.0.07945.1	519	8206	0	500	506	98 -	13	517	3126	3631
UN82637	Rsa1.0.07004.1	519	10045	0	409	409	100 -	1	409	1347	1755
UN82638	Rsa1.0.00079.1	448	606987	1.00E-122	223	223	100 -	46	268	567826	568048
UN82639	Rsa1.0.00773.1	458	64839	0	458	458	100 -	1	458	53837	54294

UN82640	Rsa1.0_02179.1		516	34188	0	493	506	97 -		12	516	20415	20917
UN82641	#	#	#	#	#	#	#	#	#	#	#	#	#
UN82642	Rsa1.0_00813.1		496	63202	1.00E-106	209	212	98 +		11	222	43283	43493
UN82643	Rsa1.0_04876.1		368	15631	1.00E-143	272	277	98 -		92	368	7199	7475
UN82644	Rsa1.0_01004.1		448	56975	0	431	446	96 -		1	446	10683	11128
UN82645	Rsa1.0_02991.1		459	26178	0	449	449	100 +		11	459	8749	9197
UN82646	Rsa1.0_04034.1		389	19481	0	389	389	100 +		1	389	9118	9506
UN82647	Rsa1.0_00308.1		544	96915	0	544	544	100 -		1	544	33049	33592
UN82648	Rsa1.0_02197.1		476	33996	1.00E-102	201	205	98 -		199	403	4504	4708
UN82649	Rsa1.0_00127.1		455	127446	0	444	447	99 +		1	447	74789	75235
UN82650	Rsa1.0_01495.1		468	44613	1.00E-154	341	358	95 +		116	468	18012	18368
UN82651	Rsa1.0_07959.1		566	8173	1.00E-175	321	324	99 +		117	440	5596	5919
UN82652	Rsa1.0_07265.1		420	9642	1.00E-155	292	297	98 +		3	299	133	429
UN82653	Rsa1.0_01566.1		449	43134	0	448	449	99 -		2	449	34607	35055
UN82654	Rsa1.0_30035.1		451	764	0	342	342	100 +		3	344	423	764
UN82655	Rsa1.0_00017.1		648	752458	0	632	644	98 +		7	648	362738	363381
UN82656	Rsa1.0_01538.1		476	43733	0	379	392	96 +		4	394	28498	28886
UN82657	Rsa1.0_00017.1		584	752458	0	584	584	100 -		1	584	553794	554377
UN82658	Rsa1.0_00550.1		664	210790	1.00E-108	199	199	100 +		100	298	183114	183312
UN82659	Rsa1.0_01153.1		597	52264	0	585	587	99 +		11	596	18282	18868
UN82660	Rsa1.0_02944.1		571	26553	0	335	335	100 -		215	549	10557	10891
UN82661	Rsa1.0_01516.1		245	44196	1.00E-59	132	137	96 -		32	168	37236	37372
UN82662	Rsa1.0_00087.1		525	761073	0	381	390	97 +		136	525	437482	437869
UN82663	Rsa1.0_00947.1		480	58664	1.00E-161	287	287	100 +		1	287	9541	9827
UN82664	Rsa1.0_02905.1		465	26873	0	452	465	97 +		1	463	3425	3889
UN82665	Rsa1.0_00804.1		210	63726	2.00E-85	190	200	95 -		11	210	53200	53399
UN82666	Rsa1.0_17173.1		483	1902	3.00E-77	147	147	100 -		270	416	1664	1810
UN82667	Rsa1.0_00536.1		523	77199	0	508	515	98 +		9	523	22859	23373
UN82668	Rsa1.0_01106.1		378	53916	0	378	378	100 +		1	378	5560	5937
UN82669	Rsa1.0_00116.1		488	365886	1.00E-131	244	245	99 -		1	244	244253	244497
UN82670	Rsa1.0_00472.1		522	398134	0	522	522	100 -		1	522	277660	278181
UN82671	Rsa1.0_01771.1		431	172709	1.00E-127	236	238	99 +		190	427	8310	8547
UN82672	Rsa1.0_03362.1		514	23453	1.00E-170	302	302	100 +		22	323	10897	11198
UN82673	Rsa1.0_03790.1		503	20844	1.00E-147	294	301	97 +		130	429	6656	6955
UN82674	Rsa1.0_00300.1		463	97747	1.00E-79	182	193	94 -		173	358	86824	87016
UN82675	Rsa1.0_03773.1		452	20937	0	420	420	100 +		33	452	4347	4766
UN82676	Rsa1.0_00722.1		481	66840	0	458	481	95 +		1	481	12573	13035
UN82677	Rsa1.0_00013.1		819	292129	0	423	423	100 +		1	423	114371	114793
UN82678	Rsa1.0_00033.1		884	515811	0	555	564	98 +		3	565	489958	490521

UN82679	Rsa1.0_00240.1	862	104175	0	859	859	100 +	4	862	22157	23015
UN82680	Rsa1.0_00752.1	792	65756	1.00E-137	289	304	95 +	489	792	14186	14481
UN82681	Rsa1.0_00205.1	504	193401	2.00E-99	214	224	95 -	281	504	155363	155586
UN82682	Rsa1.0_01798.1	804	173909	0	692	730	94 +	78	804	171521	172244
UN82683	Rsa1.0_02829.1	827	27541	0	827	827	100 +	1	827	3456	4282
UN82684	Rsa1.0_00591.1	576	73789	1.00E-155	284	286	99 -	21	306	19369	19654
UN82685	Rsa1.0_02409.1	852	31663	0	828	830	99 +	23	852	5446	6275
UN82686	Rsa1.0_00048.1	539	167185	3.00E-89	173	175	98 -	2	176	164982	165156
UN82687	Rsa1.0_00865.1	597	61686	0	597	597	100 -	1	597	11071	11667
UN82688	Rsa1.0_00727.1	113	66724	9.00E-49	112	114	98 -	1	113	26846	26958
UN82689	Rsa1.0_04817.1	877	15869	1.00E-135	318	340	93 +	305	643	14595	14928
UN82690	Rsa1.0_00023.1	821	194764	0	821	821	100 -	1	821	52355	53175
UN82691	Rsa1.0_00106.1	852	133916	0	797	848	93 -	1	848	38716	39563
UN82692	#	#	#	#	#	#	#	#	#	#	#
UN82693	Rsa1.0_01063.1	171	55301	6.00E-88	167	168	99 -	1	168	35167	35334
UN82694	Rsa1.0_09698.1	884	6203	0	542	576	94 -	309	884	4825	5400
UN82695	Rsa1.0_00593.1	793	143463	0	446	446	100 -	348	793	142939	143384
UN82696	Rsa1.0_00614.1	641	72276	1.00E-119	268	282	95 -	8	289	44076	44351
UN82697	Rsa1.0_01214.1	572	50599	0	468	490	95 +	5	494	289	773
UN82698	Rsa1.0_01154.1	767	52249	0	767	767	100 -	1	767	16256	17022
UN82699	Rsa1.0_00552.1	655	206757	1.00E-101	209	216	96 -	264	479	21760	21975
UN82700	Rsa1.0_02662.1	470	28956	0	458	470	97 +	1	470	6849	7318
UN82701	Rsa1.0_03624.1	466	21706	0	369	369	100 +	98	466	5298	5666
UN82702	Rsa1.0_04117.1	360	18968	1.00E-145	332	356	93 +	5	360	1211	1566
UN82703	Rsa1.0_06079.1	498	11794	0	488	510	95 -	1	498	10640	11147
UN82704	Rsa1.0_00056.1	712	332604	1.00E-113	211	212	99 +	1	212	312591	312802
UN82705	#	#	#	#	#	#	#	#	#	#	#
UN82706	Rsa1.0_00196.1	668	109960	0	381	385	98 +	2	385	10145	10529
UN82707	Rsa1.0_02812.1	513	27660	0	512	513	99 -	1	513	15784	16296
UN82708	#	#	#	#	#	#	#	#	#	#	#
UN82709	Rsa1.0_01377.1	691	46967	0	684	694	98 -	2	691	1798	2489
UN82710	Rsa1.0_13534.1	670	4747	1.00E-86	163	163	100 -	230	392	1	163
UN82711	Rsa1.0_01352.1	576	47443	1.00E-156	282	283	99 +	4	286	671	953
UN82712	Rsa1.0_00327.1	185	94892	3.00E-93	182	185	98 -	1	185	73542	73726
UN82713	Rsa1.0_00041.1	540	186197	2.00E-87	187	192	97 -	2	191	160984	161175
UN82714	#	#	#	#	#	#	#	#	#	#	#
UN82715	Rsa1.0_16674.1	746	2069	0	728	746	97 +	1	746	298	1042
UN82716	Rsa1.0_06990.1	433	10060	3.00E-76	145	145	100 -	1	145	2496	2640
UN82717	Rsa1.0_02504.1	590	30706	0	351	352	99 +	240	590	4800	5151

UN82718	Rsa1.0.00426.1	538	85668	0	507	530	95 -	1	529	45499	46028
UN82719	Rsa1.0.05653.1	104	13043	6.00E-19	60	64	93 +	1	64	11333	11396
UN82720	Rsa1.0.00618.1	816	72195	0	436	437	99 +	380	816	17113	17549
UN82721	Rsa1.0.01215.1	532	166813	1.00E-123	315	346	91 +	142	487	5754	6092
UN82722	Rsa1.0.01473.1	808	45094	0	405	405	100 +	1	405	30748	31152
UN82723	Rsa1.0.22962.1	437	1081	0	437	438	99 -	1	437	32	469
UN82724	Rsa1.0.00383.1	866	398431	1.00E-130	297	317	93 -	43	358	3111	3414
UN82725	Rsa1.0.02584.1	827	29877	0	796	816	97 +	13	827	5343	6157
UN82726	Rsa1.0.00192.1	820	278200	0	726	734	98 +	87	820	99539	100272
UN82727	Rsa1.0.00978.1	355	57739	1.00E-126	229	229	100 +	1	229	3942	4170
UN82728	Rsa1.0.06803.1	849	10330	1.00E-108	230	239	96 +	1	239	7305	7542
UN82729	Rsa1.0.00185.1	866	248445	0	376	380	98 -	3	382	4378	4756
UN82730	Rsa1.0.03669.1	404	147114	0	404	404	100 +	1	404	7497	7900
UN82731	Rsa1.0.01215.1	539	166813	1.00E-174	309	309	100 -	95	403	160028	160336
UN82732	Rsa1.0.00740.1	910	215972	0	710	723	98 -	19	739	12009	12731
UN82733	Rsa1.0.01110.1	340	195852	4.00E-63	129	131	98 -	164	294	21586	21716
UN82734	Rsa1.0.02949.1	845	26506	0	422	444	95 -	406	845	24784	25223
UN82735	Rsa1.0.00344.1	872	191774	0	594	596	99 -	1	595	159720	160315
UN82736	Rsa1.0.07057.1	754	9966	0	680	754	90 +	1	754	2501	3242
UN82737	Rsa1.0.01113.1	827	53616	0	821	827	99 -	1	827	14612	15438
UN82738	Rsa1.0.10548.1	892	5805	0	553	554	99 +	169	722	5252	5805
UN82739	Rsa1.0.01616.1	855	42137	0	560	561	99 -	1	560	24392	24952
UN82740	Rsa1.0.00841.1	169	183065	2.00E-84	168	170	98 +	1	169	47211	47380
UN82741	Rsa1.0.00089.1	110	406142	6.00E-56	110	110	100 +	1	110	97805	97914
UN82742	Rsa1.0.00472.1	789	398134	0	756	778	97 +	1	776	18511	19283
UN82743	Rsa1.0.10447.1	859	5848	0	853	855	99 +	7	859	875	1729
UN82744	Rsa1.0.01248.1	800	154103	0	800	800	100 +	1	800	152380	153179
UN82745	Rsa1.0.00413.1	573	86921	0	572	572	100 +	2	573	25996	26567
UN82746	Rsa1.0.02885.1	874	27029	0	821	874	93 +	3	874	201	1066
UN82747	Rsa1.0.02684.1	827	28676	0	348	348	100 +	363	710	21006	21353
UN82748	Rsa1.0.01282.1	814	49304	3.00E-75	255	290	87 -	463	749	32350	32633
UN82749	Rsa1.0.01211.1	848	50646	1.00E-172	316	319	99 +	530	848	41800	42118
UN82750	Rsa1.0.02054.1	428	35548	0	428	428	100 +	1	428	17721	18148
UN82751	Rsa1.0.16343.1	778	2187	0	638	682	93 +	1	680	834	1492
UN82752	Rsa1.0.00253.1	842	231292	0	835	860	97 +	1	842	130886	131745
UN82753	Rsa1.0.00266.1	841	163932	0	345	349	98 +	7	354	8951	9296
UN82754	Rsa1.0.00504.1	773	79334	0	521	521	100 -	4	524	27053	27573
UN82755	Rsa1.0.03870.1	794	20362	0	777	777	100 +	17	793	10672	11448
UN82756	Rsa1.0.03730.1	884	21139	0	862	890	96 +	1	884	19014	19903

UN82757	#	#	#	#	#	#	#	#	#	#	#	#
UN82758	Rsa1.0_00358.1	853	91293	0	853	853	100 +	1	853	6213	7065	
UN82759	#	#	#	#	#	#	#	#	#	#	#	
UN82760	Rsa1.0_00324.1	873	218805	0	873	873	100 -	1	873	142069	142941	
UN82761	Rsa1.0_03529.1	746	22277	2.00E-29	115	131	87 +	616	746	16021	16151	
UN82762	Rsa1.0_03890.1	440	20223	0	440	440	100 -	1	440	18872	19311	
UN82763	#	#	#	#	#	#	#	#	#	#	#	
UN82764	Rsa1.0_02858.1	596	27246	0	413	415	99 +	6	420	2266	2679	
UN82765	Rsa1.0_01129.1	594	52949	1.00E-125	257	267	96 -	328	594	31999	32260	
UN82766	Rsa1.0_00611.1	300	72410	1.00E-93	269	300	89 -	1	300	15417	15713	
UN82767	#	#	#	#	#	#	#	#	#	#	#	
UN82768	Rsa1.0_00803.1	794	144228	0	776	801	96 +	1	794	58938	59732	
UN82769	Rsa1.0_01166.1	795	51877	1.00E-121	221	221	100 +	10	230	46729	46949	
UN82770	Rsa1.0_00019.1	719	301669	1.00E-86	166	167	99 +	274	440	113991	114157	
UN82771	Rsa1.0_03746.1	514	21050	0	500	500	100 +	1	500	320	819	
UN82772	Rsa1.0_01827.1	492	143321	0	492	492	100 -	1	492	119	610	
UN82773	Rsa1.0_00773.1	831	64839	0	830	830	100 +	1	830	28707	29536	
UN82774	#	#	#	#	#	#	#	#	#	#	#	
UN82775	Rsa1.0_00673.1	454	69325	0	382	382	100 +	73	454	48207	48588	
UN82776	Rsa1.0_26135.1	797	905	7.00E-48	152	170	89 -	628	797	198	367	
UN82777	Rsa1.0_03359.1	864	23466	0	864	864	100 +	1	864	14756	15619	
UN82778	Rsa1.0_03572.1	855	146346	1.00E-132	240	240	100 +	420	659	138843	139082	
UN82779	Rsa1.0_00043.1	842	264937	0	842	842	100 -	1	842	150159	151000	
UN82780	Rsa1.0_02283.1	140	33024	1.00E-66	137	140	97 -	1	140	18474	18613	
UN82781	#	#	#	#	#	#	#	#	#	#	#	
UN82782	Rsa1.0_06281.1	755	11317	0	723	731	98 +	26	755	3268	3998	
UN82783	Rsa1.0_01920.1	863	158533	1.00E-119	217	217	100 +	1	217	153813	154029	
UN82784	Rsa1.0_03506.1	815	22416	0	594	596	99 -	221	815	18871	19466	
UN82785	#	#	#	#	#	#	#	#	#	#	#	
UN82786	Rsa1.0_00935.1	848	59079	0	818	847	96 +	1	846	6427	7270	
UN82787	Rsa1.0_02829.1	864	27541	0	864	864	100 -	1	864	10241	11104	
UN82788	#	#	#	#	#	#	#	#	#	#	#	
UN82789	Rsa1.0_00832.1	861	62622	1.00E-170	404	442	91 -	288	728	54342	54761	
UN82790	Rsa1.0_00073.1	393	240924	0	393	393	100 +	1	393	17497	17889	
UN82791	Rsa1.0_00067.1	468	415055	0	464	464	100 +	5	468	227541	228004	
UN82792	Rsa1.0_08472.1	442	7300	1.00E-108	202	203	99 -	240	442	7098	7300	
UN82793	Rsa1.0_16652.1	227	2078	2.00E-64	159	169	94 -	1	168	1300	1468	
UN82794	Rsa1.0_00299.1	440	97770	0	428	448	95 -	1	440	43280	43723	
UN82795	Rsa1.0_00734.1	834	66508	0	531	587	90 -	1	586	9580	10123	

UN82796	Rsa1.0.00006.1	813	396176	0	793	816	97 +	1	813	229613	230425
UN82797	Rsa1.0.00116.1	679	365886	0	574	581	98 +	2	582	53085	53665
UN82798	Rsa1.0.02935.1	660	26621	0	617	668	92 +	1	659	15078	15745
UN82799	#	#	#	#	#	#	#	#	#	#	#
UN82800	Rsa1.0.05689.1	679	12927	0	465	493	94 -	185	677	9823	10303
UN82801	#	#	#	#	#	#	#	#	#	#	#
UN82802	Rsa1.0.01677.1	892	41140	0	421	422	99 -	471	892	36620	37041
UN82803	#	#	#	#	#	#	#	#	#	#	#
UN82804	Rsa1.0.00910.1	379	59975	4.00E-66	194	204	95 -	129	332	23345	23539
UN82805	Rsa1.0.01695.1	630	40848	0	630	630	100 +	1	630	15369	15998
UN82806	Rsa1.0.00159.1	750	431686	0	684	684	100 +	67	750	31535	32218
UN82807	Rsa1.0.00118.1	800	130637	0	553	553	100 +	5	557	98393	98945
UN82808	#	#	#	#	#	#	#	#	#	#	#
UN82809	Rsa1.0.02276.1	849	33098	0	768	768	100 +	82	849	12207	12974
UN82810	#	#	#	#	#	#	#	#	#	#	#
UN82811	Rsa1.0.00083.1	680	442773	0	679	681	99 -	1	680	373099	373779
UN82812	Rsa1.0.01452.1	782	45459	0	773	774	99 -	9	782	17420	18193
UN82813	Rsa1.0.00116.1	861	365886	2.00E-57	123	126	97 -	446	571	5793	5918
UN82814	Rsa1.0.00160.1	878	346678	0	873	874	99 -	5	878	144987	145860
UN82815	Rsa1.0.01196.1	609	51097	1.00E-158	330	343	96 +	3	343	32495	32837
UN82816	Rsa1.0.10012.1	856	6039	0	836	867	96 -	1	856	1626	2491
UN82817	Rsa1.0.05979.1	874	12051	0	872	877	99 -	1	874	9656	10532
UN82818	Rsa1.0.07880.1	841	8369	0	830	843	98 +	1	841	1909	2749
UN82819	#	#	#	#	#	#	#	#	#	#	#
UN82820	Rsa1.0.00100.1	862	249232	0	688	702	98 +	161	862	128908	129609
UN82821	#	#	#	#	#	#	#	#	#	#	#
UN82822	Rsa1.0.00947.1	917	58664	0	657	658	99 +	1	658	31298	31955
UN82823	Rsa1.0.17794.1	614	1740	1.00E-112	244	253	96 +	356	607	1	250
UN82824	Rsa1.0.08106.1	883	7893	0	326	326	100 +	423	748	122	447
UN82825	Rsa1.0.00868.1	484	61630	1.00E-164	301	303	99 +	1	301	23746	24048
UN82826	Rsa1.0.01732.1	507	40194	1.00E-101	187	187	100 -	76	262	40008	40194
UN82827	Rsa1.0.03799.1	892	20775	0	892	892	100 +	1	892	18517	19408
UN82828	Rsa1.0.05410.1	604	13840	0	585	609	96 +	1	604	1386	1994
UN82829	#	#	#	#	#	#	#	#	#	#	#
UN82830	Rsa1.0.00145.1	832	261008	1.00E-86	292	336	86 +	511	832	24462	24778
UN82831	Rsa1.0.20996.1	834	1247	0	447	455	98 -	380	831	70	524
UN82832	#	#	#	#	#	#	#	#	#	#	#
UN82833	Rsa1.0.00059.1	775	159650	0	767	775	98 +	1	775	101574	102345
UN82834	Rsa1.0.21524.1	624	1195	0	351	352	99 +	211	562	844	1195

UN82835	#	#	#	#	#	#	#	#	#	#	#	#	#
UN82836	#	#	#	#	#	#	#	#	#	#	#	#	#
UN82837	#	#	#	#	#	#	#	#	#	#	#	#	#
UN82838	Rsa1.0_00448.1	464	84048	0	461	465	99 -	1	464	83056	83520		
UN82839	Rsa1.0_00020.1	355	283099	0	355	355	100 +	1	355	19851	20205		
UN82840	Rsa1.0_02432.1	826	31499	0	560	560	100 +	267	826	18016	18575		
UN82841	Rsa1.0_01702.1	852	40722	0	849	850	99 -	3	852	37094	37943		
UN82842	Rsa1.0_00239.1	880	104332	0	458	458	100 -	423	880	20135	20592		
UN82843	Rsa1.0_01400.1	787	46560	1.00E-160	318	328	96 -	460	787	37215	37539		
UN82844	Rsa1.0_06254.1	857	11384	0	847	858	98 -	1	857	10444	11301		
UN82845	Rsa1.0_04398.1	763	17550	0	758	767	98 -	1	763	3977	4743		
UN82846	Rsa1.0_02150.1	869	34580	0	380	389	97 -	476	861	20205	20593		
UN82847	Rsa1.0_00224.1	576	327530	1.00E-164	335	346	96 +	233	575	25471	25814		
UN82848	Rsa1.0_07780.1	573	8589	1.00E-104	199	201	99 -	167	367	6005	6205		
UN82849	Rsa1.0_02212.1	392	33840	0	391	391	100 +	2	392	14631	15021		
UN82850	Rsa1.0_00825.1	365	62855	1.00E-174	352	365	96 +	1	365	33634	33992		
UN82851	Rsa1.0_01920.1	599	158533	0	575	581	98 +	9	589	153637	154216		
UN82852	Rsa1.0_04795.1	812	15950	0	812	812	100 -	1	812	13060	13871		
UN82853	Rsa1.0_01979.1	649	36545	0	625	646	96 +	1	646	33215	33860		
UN82854	Rsa1.0_01074.1	645	54987	1.00E-160	287	287	100 -	356	642	22814	23100		
UN82855	Rsa1.0_16214.1	876	2243	0	557	573	97 -	241	806	1671	2243		
UN82856	Rsa1.0_23688.1	852	1031	0	703	708	99 +	7	714	326	1031		
UN82857	Rsa1.0_01603.1	752	42468	1.00E-132	245	247	99 -	1	247	1835	2081		
UN82858	Rsa1.0_03503.1	109	22445	3.00E-42	107	111	96 -	1	109	11885	11995		
UN82859	Rsa1.0_00050.1	383	237174	1.00E-167	310	314	98 -	1	314	82605	82918		
UN82860	Rsa1.0_00019.1	807	301669	0	795	816	97 -	1	807	115736	116547		
UN82861	Rsa1.0_01641.1	569	188213	0	545	568	95 +	2	569	161019	161586		
UN82862	Rsa1.0_01189.1	726	51358	1.00E-105	197	198	99 -	348	545	16611	16808		
UN82863	Rsa1.0_09160.1	114	6599	2.00E-53	113	114	99 -	2	114	457	570		
UN82864	Rsa1.0_00727.1	308	66724	4.00E-84	158	158	100 +	151	308	60725	60882		
UN82865	Rsa1.0_04552.1	762	16878	2.00E-11	46	49	93 -	179	227	12376	12424		
UN82866	Rsa1.0_09807.1	150	6140	1.00E-79	150	150	100 +	1	150	3049	3198		
UN82867	Rsa1.0_00383.1	846	398431	1.00E-178	316	316	100 -	531	846	368192	368507		
UN82868	#	#	#	#	#	#	#	#	#	#	#		
UN82869	Rsa1.0_00456.1	884	82826	0	701	701	100 +	184	884	59436	60136		
UN82870	#	#	#	#	#	#	#	#	#	#	#		
UN82871	Rsa1.0_00253.1	743	231292	0	736	737	99 -	7	743	27660	28396		
UN82872	Rsa1.0_01408.1	880	46383	0	502	503	99 -	74	576	2126	2628		
UN82873	Rsa1.0_00762.1	720	165246	0	720	720	100 -	1	720	49512	50231		

UN82874	Rsa1.0_01524.1	789	43949	0	356	357	99 +	2	358	22958	23314
UN82875	Rsa1.0_00067.1	830	415055	0	830	830	100 +	1	830	151681	152510
UN82876	#	#	#	#	#	#	#	#	#	#	#
UN82877	Rsa1.0_05787.1	811	12625	1.00E-150	292	298	97 +	5	302	985	1281
UN82878	Rsa1.0_04869.1	814	15668	0	736	775	94 -	42	814	6103	6874
UN82879	Rsa1.0_00190.1	873	318240	0	707	707	100 -	155	861	33549	34255
UN82880	Rsa1.0_14013.1	159	3919	5.00E-73	139	139	100 +	1	139	3781	3919
UN82881	Rsa1.0_00451.1	854	322533	0	533	552	96 -	2	551	138717	139265
UN82882	Rsa1.0_00537.1	867	186980	0	865	867	99 +	1	867	130423	131289
UN82883	Rsa1.0_01168.1	733	153765	0	336	336	100 +	398	733	43285	43620
UN82884	Rsa1.0_00093.1	825	214962	0	454	454	100 -	3	456	117743	118196
UN82885	Rsa1.0_10281.1	778	5905	0	360	360	100 +	419	778	543	902
UN82886	Rsa1.0_13967.1	770	3979	0	767	770	99 +	1	770	2456	3225
UN82887	#	#	#	#	#	#	#	#	#	#	#
UN82888	Rsa1.0_11859.1	840	5389	0	321	321	100 -	1	321	3937	4257
UN82889	Rsa1.0_00005.1	879	353093	1.00E-117	215	215	100 -	665	879	122794	123008
UN82890	Rsa1.0_01039.1	711	55946	0	660	675	97 -	34	702	37719	38392
UN82891	Rsa1.0_00253.1	400	231292	0	400	400	100 +	1	400	132059	132458
UN82892	Rsa1.0_20510.1	831	1298	0	734	802	91 +	27	828	426	1216
UN82893	Rsa1.0_00040.1	849	324196	0	673	673	100 +	1	673	39300	39972
UN82894	Rsa1.0_00366.1	279	90880	1.00E-144	274	279	98 -	1	279	89505	89783
UN82895	Rsa1.0_09723.1	651	6187	0	419	421	99 +	6	426	3734	4154
UN82896	Rsa1.0_09266.1	871	6516	0	357	358	99 +	213	570	1	358
UN82897	Rsa1.0_12138.1	432	5304	1.00E-176	325	329	98 -	1	329	146	474
UN82898	Rsa1.0_00883.1	872	61230	0	815	853	95 -	1	840	41494	42338
UN82899	Rsa1.0_08168.1	856	7802	0	811	813	99 -	1	813	5488	6300
UN82900	Rsa1.0_01663.1	865	168589	0	865	865	100 +	1	865	138759	139623
UN82901	Rsa1.0_00385.1	522	89160	0	505	546	92 -	1	522	36277	36820
UN82902	Rsa1.0_04070.1	350	19244	1.00E-180	346	353	98 +	1	350	6854	7205
UN82903	Rsa1.0_03808.1	148	20732	3.00E-74	148	149	99 +	1	148	18144	18292
UN82904	Rsa1.0_04978.1	524	15258	2.00E-22	67	71	94 +	452	522	10605	10675
UN82905	Rsa1.0_01881.1	443	37721	1.00E-132	255	258	98 +	7	263	37448	37703
UN82906	Rsa1.0_10864.1	671	5697	0	569	589	96 -	83	671	1275	1857
UN82907	Rsa1.0_00072.1	569	148743	0	569	571	99 +	1	569	124105	124675
UN82908	Rsa1.0_00051.1	480	258225	1.00E-102	188	188	100 +	163	350	118597	118784
UN82909	Rsa1.0_06362.1	634	11154	1.00E-177	314	314	100 +	1	314	8879	9192
UN82910	Rsa1.0_00237.1	425	235974	0	405	426	95 -	1	425	36857	37263
UN82911	Rsa1.0_03762.1	447	20976	0	446	447	99 -	1	447	18570	19016
UN82912	Rsa1.0_11952.1	531	5362	1.00E-168	310	312	99 +	1	311	124	435

UN82913	Rsa1.0_00006.1	513	396176	1.00E-104	199	200	99 -	303	501	312060	312259
UN82914	Rsa1.0_02706.1	380	28522	3.00E-82	170	175	97 +	86	260	12286	12460
UN82915	Rsa1.0_01936.1	498	37151	0	486	498	97 -	3	498	18241	18735
UN82916	Rsa1.0_00418.1	469	215377	0	469	470	99 -	1	469	214323	214792
UN82917	Rsa1.0_07931.1	593	8236	0	572	579	98 -	1	579	7512	8090
UN82918	Rsa1.0_12767.1	533	5133	0	349	355	98 -	135	489	1	355
UN82919	Rsa1.0_04935.1	574	15403	0	568	572	99 +	1	571	7085	7654
UN82920	Rsa1.0_08546.1	513	7214	1.00E-142	265	267	99 -	1	267	6867	7131
UN82921	Rsa1.0_00248.1	472	163568	0	448	474	94 -	1	472	149272	149736
UN82922	Rsa1.0_22220.1	755	1140	1.00E-134	277	288	96 +	1	285	853	1140
UN82923	Rsa1.0_03923.1	403	20057	1.00E-175	311	311	100 +	2	312	14215	14525
UN82924	Rsa1.0_01170.1	481	161131	0	467	467	100 -	1	467	5472	5938
UN82925	Rsa1.0_02280.1	542	33063	1.00E-112	440	515	85 +	43	531	2553	3053
UN82926	Rsa1.0_00489.1	318	80434	1.00E-179	318	318	100 -	1	318	44679	44996
UN82927	Rsa1.0_00322.1	519	212233	0	519	519	100 -	1	519	30550	31068
UN82928	Rsa1.0_03306.1	445	23873	0	426	440	96 -	5	441	14336	14775
UN82929	Rsa1.0_03697.1	572	21304	7.00E-75	191	207	92 -	338	544	14935	15141
UN82930	Rsa1.0_03707.1	858	21252	0	851	855	99 +	5	858	18072	18926
UN82931	Rsa1.0_00054.1	830	162053	0	830	831	99 -	1	830	86468	87298
UN82932	Rsa1.0_00092.1	867	659932	0	586	617	94 -	257	867	531309	531925
UN82933	#	#	#	#	#	#	#	#	#	#	#
UN82934	Rsa1.0_02544.1	843	30290	0	566	566	100 +	1	566	465	1030
UN82935	Rsa1.0_00254.1	849	102600	0	405	427	94 -	6	432	87763	88177
UN82936	Rsa1.0_00332.1	854	94575	0	510	511	99 +	1	510	19825	20335
UN82937	Rsa1.0_00015.1	780	561803	1.00E-131	253	257	98 +	1	255	215163	215419
UN82938	Rsa1.0_00300.1	828	97747	0	828	828	100 -	1	828	4025	4852
UN82939	Rsa1.0_00454.1	817	216970	0	775	777	99 +	41	817	160559	161334
UN82940	Rsa1.0_00905.1	650	60110	0	457	457	100 -	7	463	44042	44498
UN82941	Rsa1.0_00997.1	824	57190	0	796	824	96 +	8	824	55948	56767
UN82942	Rsa1.0_07096.1	859	9899	0	744	760	97 -	101	859	4793	5552
UN82943	Rsa1.0_00017.1	847	752458	5.00E-92	172	172	100 +	129	300	682934	683105
UN82944	Rsa1.0_00157.1	816	245832	0	791	816	96 +	1	816	156467	157282
UN82945	Rsa1.0_05743.1	596	12768	1.00E-172	341	351	97 +	247	596	10204	10554
UN82946	Rsa1.0_03415.1	854	23117	0	813	830	97 +	27	854	20216	21045
UN82947	Rsa1.0_00108.1	853	478491	0	837	839	99 +	1	837	268035	268873
UN82948	Rsa1.0_01237.1	532	50124	1.00E-164	306	308	99 +	227	532	2364	2671
UN82949	Rsa1.0_00838.1	420	153820	0	420	421	99 +	1	420	46184	46604
UN82950	Rsa1.0_01938.1	223	264018	7.00E-42	93	95	97 -	22	116	140468	140562
UN82951	Rsa1.0_03090.1	649	25464	0	648	649	99 +	1	649	1591	2239

UN82952	Rsa1.0.00055.1	528	520193	0	482	503	95 +	16	516	86496	86993
UN82953	Rsa1.0.03956.1	350	19872	1.00E-119	232	237	97 +	27	263	19557	19793
UN82954	Rsa1.0.11589.1	185	5464	3.00E-96	185	186	99 -	1	185	1691	1876
UN82955	Rsa1.0.06802.1	450	10330	1.00E-133	240	240	100 +	199	438	8962	9201
UN82956	Rsa1.0.00126.1	484	127534	0	484	484	100 +	1	484	94231	94714
UN82957	Rsa1.0.01405.1	566	46445	0	566	566	100 -	1	566	35036	35601
UN82958	Rsa1.0.06054.1	507	11847	1.00E-100	186	186	100 +	1	186	10454	10639
UN82959	Rsa1.0.00008.1	415	358124	1.00E-159	346	366	94 -	58	415	14779	15144
UN82960	Rsa1.0.02173.1	420	34318	0	414	420	98 -	1	420	21236	21655
UN82961	#	#	#	#	#	#	#	#	#	#	#
UN82962	Rsa1.0.08415.1	624	7398	0	549	558	98 -	69	624	1562	2117
UN82963	Rsa1.0.00806.1	497	63674	1.00E-117	214	214	100 +	234	447	19968	20181
UN82964	Rsa1.0.01295.1	258	49040	1.00E-104	210	216	97 +	6	221	40758	40973
UN82965	Rsa1.0.01157.1	551	52121	0	510	541	94 +	13	550	44798	45334
UN82966	Rsa1.0.00091.1	471	139699	0	465	465	100 +	7	471	51463	51927
UN82967	Rsa1.0.19447.1	436	1430	0	427	428	99 +	1	428	914	1341
UN82968	Rsa1.0.15098.1	451	2831	5.00E-97	254	276	92 +	102	377	2153	2426
UN82969	Rsa1.0.08675.1	466	7054	1.00E-130	250	255	98 -	1	255	2416	2670
UN82970	Rsa1.0.04252.1	483	18262	0	480	484	99 -	1	483	4971	5451
UN82971	Rsa1.0.07832.1	622	8456	0	617	625	98 -	1	622	4872	5496
UN82972	Rsa1.0.00457.1	536	337301	0	524	536	97 -	1	536	137777	138312
UN82973	Rsa1.0.00108.1	577	478491	1.00E-109	200	200	100 -	1	200	457135	457334
UN82974	Rsa1.0.00662.1	568	192183	1.00E-151	285	287	99 +	1	285	179607	179893
UN82975	Rsa1.0.07278.1	447	9627	2.00E-90	169	169	100 -	279	447	5003	5171
UN82976	Rsa1.0.00144.1	670	120708	0	663	670	98 +	1	670	22304	22973
UN82977	Rsa1.0.01976.1	282	36570	1.00E-158	282	282	100 +	1	282	27789	28070
UN82978	Rsa1.0.00087.1	535	761073	0	523	533	98 -	1	531	312870	313402
UN82979	Rsa1.0.18259.1	588	1634	1.00E-180	323	324	99 +	2	325	258	581
UN82980	#	#	#	#	#	#	#	#	#	#	#
UN82981	Rsa1.0.01493.1	475	44670	1.00E-145	278	284	97 -	66	349	21292	21575
UN82982	Rsa1.0.18480.1	649	1591	0	641	646	99 +	6	649	78	723
UN82983	Rsa1.0.01796.1	882	39154	0	509	509	100 -	5	513	7310	7818
UN82984	Rsa1.0.03136.1	846	25113	0	346	347	99 -	1	346	11003	11349
UN82985	Rsa1.0.02177.1	901	34262	0	797	842	94 -	1	827	24414	25252
UN82986	Rsa1.0.00421.1	445	86365	1.00E-117	213	213	100 +	233	445	42866	43078
UN82987	Rsa1.0.17275.1	881	1874	0	713	714	99 -	1	713	1	714
UN82988	Rsa1.0.02779.1	856	27968	1.00E-108	208	211	98 -	646	856	4898	5108
UN82989	Rsa1.0.01422.1	674	46172	0	653	677	96 +	1	674	42513	43189
UN82990	Rsa1.0.00089.1	297	406142	1.00E-155	294	298	98 -	1	297	349143	349440

UN82991	Rsa1.0.00196.1	870	109960	0	512	512	100 -	285	796	62386	62897
UN82992	Rsa1.0.06468.1	524	10958	0	500	524	95 -	1	524	6618	7140
UN82993	Rsa1.0.00683.1	834	68638	0	834	834	100 +	1	834	63169	64002
UN82994	Rsa1.0.24332.1	767	992	0	376	382	98 +	386	767	323	703
UN82995	Rsa1.0.06936.1	779	10143	1.00E-158	295	299	98 -	173	471	3174	3472
UN82996	#	#	#	#	#	#	#	#	#	#	#
UN82997	Rsa1.0.04026.1	884	19508	0	884	884	100 +	1	884	11988	12871
UN82998	Rsa1.0.02101.1	853	35017	0	457	458	99 +	1	458	26490	26947
UN82999	Rsa1.0.07863.1	815	8404	1.00E-116	251	264	95 +	202	465	1680	1943
UN83000	Rsa1.0.03191.1	157	145762	2.00E-81	156	157	99 +	1	157	9795	9951
UN83001	Rsa1.0.01576.1	412	42923	0	412	412	100 -	1	412	24614	25025
UN83002	Rsa1.0.00017.1	834	752458	1.00E-121	221	221	100 +	2	222	682603	682823
UN83003	Rsa1.0.03062.1	601	25678	0	589	595	98 -	7	601	8048	8641
UN83004	Rsa1.0.09961.1	899	6064	0	880	895	98 +	1	893	217	1109
UN83005	Rsa1.0.00850.1	278	62193	1.00E-156	278	278	100 -	1	278	27157	27434
UN83006	Rsa1.0.02423.1	702	31576	0	364	364	100 -	231	594	2541	2904
UN83007	Rsa1.0.02946.1	736	26537	0	481	482	99 +	255	736	1	482
UN83008	Rsa1.0.03834.1	827	20572	0	724	734	98 -	94	827	3357	4090
UN83009	Rsa1.0.00615.1	886	72235	0	883	886	99 +	1	886	17316	18201
UN83010	Rsa1.0.00636.1	191	71113	2.00E-97	183	184	99 +	8	191	38171	38354
UN83011	Rsa1.0.12142.1	842	5302	6.00E-95	177	177	100 -	594	770	1527	1703
UN83012	Rsa1.0.03921.1	861	20080	0	861	861	100 -	1	861	18971	19831
UN83013	Rsa1.0.00229.1	558	105471	0	558	558	100 +	1	558	39471	40028
UN83014	Rsa1.0.53574.1	854	425	1.00E-120	243	251	96 +	604	854	69	319
UN83015	Rsa1.0.01899.1	775	37474	0	738	756	97 +	20	775	3101	3856
UN83016	Rsa1.0.23752.1	866	1027	1.00E-108	200	200	100 +	1	200	109	308
UN83017	Rsa1.0.00265.1	849	220635	1.00E-138	297	313	94 +	537	849	175101	175413
UN83018	Rsa1.0.00131.1	663	432233	0	373	373	100 +	291	663	257414	257786
UN83019	Rsa1.0.00752.1	843	65756	0	810	834	97 -	5	836	10786	11619
UN83020	Rsa1.0.00099.1	875	159619	1.00E-175	311	311	100 -	565	875	85881	86191
UN83021	Rsa1.0.00926.1	884	195072	1.00E-102	190	190	100 +	477	666	194883	195072
UN83022	Rsa1.0.01998.1	845	36276	0	629	634	99 +	212	845	10886	11519
UN83023	Rsa1.0.00017.1	546	752458	0	375	386	97 +	1	384	47167	47552
UN83024	Rsa1.0.00742.1	466	66106	0	462	462	100 +	5	466	38195	38656
UN83025	Rsa1.0.00181.1	749	114269	0	748	749	99 +	1	749	42150	42898
UN83026	Rsa1.0.13944.1	226	4039	8.00E-88	179	184	97 +	1	184	61	244
UN83027	Rsa1.0.01899.1	599	37474	1.00E-111	204	204	100 -	396	599	35942	36145
UN83028	Rsa1.0.03798.1	886	20800	0	886	886	100 -	1	886	2035	2920
UN83029	Rsa1.0.01902.1	543	37455	3.00E-74	204	222	91 -	324	543	26473	26694

UN83030	Rsa1.0.02694.1	858	28610	0	395	405	97 +		125	529	6542	6943
UN83031	Rsa1.0.00200.1	762	162016	0	545	545	100 -		218	762	101072	101616
UN83032	#	#	#	#	#	#	#	#	#	#	#	#
UN83033	Rsa1.0.00124.1	821	262503	0	787	822	95 -		1	821	41016	41828
UN83034	Rsa1.0.00134.1	825	390219	0	418	418	100 -		408	825	189469	189886
UN83035	Rsa1.0.06920.1	249	10161	1.00E-138	249	249	100 +		1	249	6365	6613
UN83036	#	#	#	#	#	#	#	#	#	#	#	#
UN83037	Rsa1.0.28472.1	881	814	0	449	456	98 +		433	881	1	456
UN83038	Rsa1.0.00879.1	839	61297	0	565	565	100 -		275	839	48685	49249
UN83039	#	#	#	#	#	#	#	#	#	#	#	#
UN83040	Rsa1.0.00007.1	845	239325	0	447	448	99 -		398	845	21153	21600
UN83041	Rsa1.0.00618.1	882	72195	1.00E-62	126	127	99 -		344	470	7537	7663
UN83042	Rsa1.0.00476.1	834	280966	0	808	808	100 -		27	834	2241	3048
UN83043	Rsa1.0.00973.1	884	57913	0	792	813	97 +		75	884	40856	41668
UN83044	#	#	#	#	#	#	#	#	#	#	#	#
UN83045	Rsa1.0.00040.1	765	324196	0	363	363	100 +		1	363	105570	105932
UN83046	#	#	#	#	#	#	#	#	#	#	#	#
UN83047	Rsa1.0.00029.1	848	272992	0	338	338	100 +		1	338	149362	149699
UN83048	#	#	#	#	#	#	#	#	#	#	#	#
UN83049	Rsa1.0.02024.1	868	149168	0	404	409	98 -		287	695	118219	118627
UN83050	Rsa1.0.03119.1	815	25270	0	758	793	95 -		1	793	7778	8570
UN83051	Rsa1.0.01338.1	515	155644	2.00E-90	169	169	100 -		347	515	13941	14109
UN83052	Rsa1.0.14462.1	624	3365	0	368	368	100 -		257	624	915	1282
UN83053	Rsa1.0.07430.1	814	9409	1.00E-159	477	540	88 -		259	765	2525	3060
UN83054	Rsa1.0.00900.1	348	60367	2.00E-95	244	267	91 -		77	343	40014	40268
UN83055	Rsa1.0.02148.1	463	34610	0	392	392	100 -		2	393	22799	23190
UN83056	Rsa1.0.00191.1	827	316976	0	809	822	98 -		6	827	120155	120976
UN83057	#	#	#	#	#	#	#	#	#	#	#	#
UN83058	Rsa1.0.00820.1	803	62911	0	799	804	99 +		1	803	35130	35933
UN83059	Rsa1.0.00070.1	878	150321	4.00E-93	205	214	95 +		32	244	61588	61801
UN83060	#	#	#	#	#	#	#	#	#	#	#	#
UN83061	Rsa1.0.02540.1	860	30344	0	860	860	100 -		1	860	22493	23352
UN83062	Rsa1.0.03034.1	299	157864	1.00E-114	208	208	100 -		6	213	7041	7248
UN83063	Rsa1.0.03457.1	393	22796	0	393	393	100 -		1	393	8375	8767
UN83064	Rsa1.0.09855.1	830	6118	0	562	562	100 +		9	570	577	1138
UN83065	Rsa1.0.02244.1	552	33494	0	552	552	100 +		1	552	32716	33267
UN83066	Rsa1.0.17179.1	860	1900	0	492	494	99 +		1	494	1279	1770
UN83067	Rsa1.0.04153.1	839	18807	0	839	839	100 +		1	839	8987	9825
UN83068	Rsa1.0.01703.1	859	40713	0	856	861	99 -		1	859	13694	14554

UN83069	#	#	#	#	#	#	#	#	#	#	#	#	#
UN83070	Rsa1.0_21959.1	820	1160	0	752	804	93 +	17	820	168	971		
UN83071	#	#	#	#	#	#	#	#	#	#	#	#	#
UN83072	Rsa1.0_00395.1	406	214466	0	406	406	100 -	1	406	203749	204154		
UN83073	Rsa1.0_02821.1	635	27602	4.00E-46	237	283	83 -	304	573	10920	11199		
UN83074	Rsa1.0_00341.1	785	249309	0	771	788	97 +	1	785	180921	181704		
UN83075	Rsa1.0_01555.1	841	166456	1.00E-120	248	256	96 -	3	258	18572	18826		
UN83076	Rsa1.0_00627.1	872	71566	0	867	872	99 -	1	872	6900	7771		
UN83077	Rsa1.0_02870.1	735	27102	1.00E-131	238	238	100 +	386	623	12375	12612		
UN83078	#	#	#	#	#	#	#	#	#	#	#	#	#
UN83079	Rsa1.0_00017.1	811	752458	0	798	804	99 -	8	811	343908	344711		
UN83080	Rsa1.0_01313.1	390	48387	3.00E-67	172	184	93 +	28	211	17084	17258		
UN83081	Rsa1.0_00191.1	439	316976	1.00E-117	287	310	92 +	18	318	204973	205281		
UN83082	Rsa1.0_00256.1	879	102426	0	362	362	100 -	1	362	80569	80930		
UN83083	#	#	#	#	#	#	#	#	#	#	#	#	#
UN83084	Rsa1.0_05909.1	833	12265	0	455	460	98 -	7	464	9036	9494		
UN83085	#	#	#	#	#	#	#	#	#	#	#	#	#
UN83086	Rsa1.0_06488.1	847	141774	0	476	493	96 -	355	847	133995	134480		
UN83087	Rsa1.0_04928.1	641	15420	0	457	465	98 -	3	465	892	1356		
UN83088	Rsa1.0_00224.1	500	327530	0	497	497	100 +	4	500	91134	91630		
UN83089	#	#	#	#	#	#	#	#	#	#	#	#	#
UN83090	Rsa1.0_14384.1	905	3446	0	890	895	99 -	11	905	1786	2680		
UN83091	Rsa1.0_00054.1	735	162053	0	524	543	96 -	196	735	105921	106460		
UN83092	Rsa1.0_05393.1	827	13919	3.00E-44	113	120	94 -	708	827	5897	6016		
UN83093	Rsa1.0_00248.1	851	163568	0	798	799	99 -	50	848	55993	56791		
UN83094	Rsa1.0_00092.1	827	659932	0	385	386	99 -	1	385	189480	189865		
UN83095	#	#	#	#	#	#	#	#	#	#	#	#	#
UN83096	Rsa1.0_00027.1	439	283362	1.00E-154	345	367	94 -	37	397	269839	270200		
UN83097	Rsa1.0_01156.1	825	52147	0	503	513	98 -	313	825	29321	29832		
UN83098	Rsa1.0_02294.1	862	32940	0	862	862	100 +	1	862	24092	24953		
UN83099	#	#	#	#	#	#	#	#	#	#	#	#	#
UN83100	Rsa1.0_04745.1	716	16153	0	700	714	98 +	1	713	5341	6054		
UN83101	#	#	#	#	#	#	#	#	#	#	#	#	#
UN83102	Rsa1.0_03002.1	467	26107	1.00E-109	200	200	100 +	268	467	16508	16707		
UN83103	Rsa1.0_03029.1	257	25858	1.00E-65	139	143	97 -	107	249	14527	14669		
UN83104	Rsa1.0_00204.1	593	109056	0	591	593	99 +	1	593	26530	27122		
UN83105	Rsa1.0_02316.1	856	32608	0	855	857	99 -	1	856	4738	5594		
UN83106	Rsa1.0_01537.1	848	187285	1.00E-178	316	316	100 +	1	316	21891	22206		
UN83107	Rsa1.0_00157.1	842	245832	0	812	838	96 -	6	842	205957	206792		

UN83108	Rsa1.0_00548.1	835	76518	1.00E-179	330	334	98 -	165	498	65913	66246
UN83109	#	#	#	#	#	#	#	#	#	#	#
UN83110	#	#	#	#	#	#	#	#	#	#	#
UN83111	Rsa1.0_01588.1	801	42724	0	619	619	100 -	1	619	27509	28127
UN83112	Rsa1.0_03447.1	880	22857	0	880	881	99 -	1	880	8617	9497
UN83113	Rsa1.0_05000.1	107	15178	9.00E-52	106	107	99 -	1	107	2644	2750
UN83114	Rsa1.0_00002.1	837	601661	0	829	837	99 +	1	837	88014	88850
UN83115	Rsa1.0_13917.1	630	4095	3.00E-19	159	191	83 +	442	626	176	365
UN83116	#	#	#	#	#	#	#	#	#	#	#
UN83117	Rsa1.0_08304.1	787	7574	0	764	784	97 -	4	787	2414	3195
UN83118	Rsa1.0_00187.1	883	393093	0	699	717	97 +	3	716	372783	373499
UN83119	Rsa1.0_05394.1	170	13918	1.00E-73	143	144	99 +	27	170	3250	3393
UN83120	Rsa1.0_00204.1	308	109056	1.00E-117	213	213	100 +	1	213	27631	27843
UN83121	Rsa1.0_00098.1	827	349239	0	815	833	97 +	1	827	255469	256301
UN83122	Rsa1.0_00111.1	833	390088	0	833	842	98 -	1	833	296328	297169
UN83123	Rsa1.0_01078.1	856	316910	0	830	831	99 +	1	831	287676	288505
UN83124	Rsa1.0_00082.1	672	237584	1.00E-177	330	335	98 -	41	375	54496	54830
UN83125	Rsa1.0_00946.1	854	58666	0	422	424	99 +	2	425	21923	22346
UN83126	Rsa1.0_00297.1	862	97836	1.00E-132	239	239	100 +	358	596	52054	52292
UN83127	Rsa1.0_00007.1	821	239325	1.00E-126	341	372	91 +	15	384	182932	183294
UN83128	Rsa1.0_29387.1	866	784	0	513	522	98 +	1	522	263	784
UN83129	Rsa1.0_00215.1	880	201775	0	827	827	100 +	54	880	44537	45363
UN83130	Rsa1.0_08956.1	881	6754	0	419	419	100 +	1	419	4649	5067
UN83131	#	#	#	#	#	#	#	#	#	#	#
UN83132	Rsa1.0_08260.1	879	7640	0	630	630	100 +	14	643	6092	6721
UN83133	#	#	#	#	#	#	#	#	#	#	#
UN83134	Rsa1.0_00098.1	564	349239	0	422	422	100 -	143	564	235925	236346
UN83135	Rsa1.0_00579.1	855	148308	0	854	856	99 +	1	855	48839	49693
UN83136	Rsa1.0_02417.1	869	31592	0	868	869	99 +	1	869	6007	6875
UN83137	Rsa1.0_34282.1	774	660	0	379	384	98 +	2	383	278	660
UN83138	Rsa1.0_02505.1	856	30703	0	617	617	100 -	240	856	2359	2975
UN83139	Rsa1.0_03304.1	831	23883	0	831	831	100 -	1	831	10474	11304
UN83140	Rsa1.0_00340.1	522	305782	0	522	522	100 -	1	522	31222	31743
UN83141	#	#	#	#	#	#	#	#	#	#	#
UN83142	Rsa1.0_51431.1	864	442	1.00E-157	290	293	98 -	136	428	150	442
UN83143	#	#	#	#	#	#	#	#	#	#	#
UN83144	Rsa1.0_18516.1	499	1584	0	397	397	100 -	103	499	1188	1584
UN83145	Rsa1.0_01230.1	872	50221	8.00E-11	42	44	95 -	291	334	6864	6907
UN83146	Rsa1.0_07855.1	860	8417	1.00E-171	308	309	99 -	289	597	380	688

UN83147	Rsa1.0.02333.1	904	32431	1.00E-144	260	260	100 -	645	904	8232	8491
UN83148	Rsa1.0.00155.1	856	118465	0	856	856	100 +	1	856	44024	44879
UN83149	Rsa1.0.46053.1	835	490	0	341	342	99 -	1	342	1	342
UN83150	Rsa1.0.10300.1	862	5899	0	860	862	99 +	1	862	2350	3211
UN83151	Rsa1.0.00153.1	718	192931	0	543	543	100 -	176	718	171931	172473
UN83152	#	#	#	#	#	#	#	#	#	#	#
UN83153	Rsa1.0.03469.1	877	22681	0	678	722	93 +	161	877	11058	11778
UN83154	Rsa1.0.00860.1	901	61789	0	864	893	96 +	1	891	45089	45980
UN83155	Rsa1.0.08050.1	866	8008	0	865	866	99 +	1	866	4404	5269
UN83156	Rsa1.0.04571.1	434	16792	1.00E-161	294	296	99 +	1	296	9156	9451
UN83157	Rsa1.0.02180.1	706	34176	0	563	585	96 -	122	706	9373	9957
UN83158	Rsa1.0.04475.1	884	17190	0	773	776	99 -	109	884	14965	15740
UN83159	Rsa1.0.00033.1	922	515811	1.00E-154	286	289	98 -	1	289	20266	20554
UN83160	Rsa1.0.01281.1	854	49313	0	684	696	98 +	1	691	42590	43283
UN83161	Rsa1.0.09954.1	877	6068	2.00E-88	178	182	97 -	517	698	4465	4646
UN83162	Rsa1.0.00046.1	709	320315	0	358	358	100 +	352	709	29574	29931
UN83163	Rsa1.0.07281.1	881	9624	0	877	882	99 +	1	881	8374	9255
UN83164	#	#	#	#	#	#	#	#	#	#	#
UN83165	Rsa1.0.03552.1	443	22151	1.00E-167	337	349	96 +	95	443	20099	20446
UN83166	Rsa1.0.01763.1	870	39659	0	447	447	100 -	143	589	35071	35517
UN83167	Rsa1.0.21495.1	566	1198	0	561	569	98 +	1	566	155	723
UN83168	Rsa1.0.00027.1	873	283362	0	839	880	95 -	1	873	56954	57832
UN83169	Rsa1.0.01935.1	741	37152	0	461	462	99 +	6	467	36371	36832
UN83170	Rsa1.0.00500.1	449	272308	1.00E-160	409	449	91 -	1	449	157271	157717
UN83171	Rsa1.0.00944.1	884	58733	0	600	622	96 +	263	878	10748	11362
UN83172	Rsa1.0.02244.1	886	33494	0	886	886	100 +	1	886	16159	17044
UN83173	Rsa1.0.54418.1	858	419	1.00E-126	229	229	100 +	134	362	1	229
UN83174	Rsa1.0.00010.1	461	294827	0	439	442	99 +	2	443	200943	201383
UN83175	Rsa1.0.00041.1	520	186197	0	357	361	98 -	2	362	157120	157480
UN83176	Rsa1.0.00018.1	866	410899	0	841	873	96 -	5	866	68248	69116
UN83177	Rsa1.0.00663.1	573	164969	0	373	373	100 -	1	373	98301	98673
UN83178	#	#	#	#	#	#	#	#	#	#	#
UN83179	Rsa1.0.00159.1	366	431686	1.00E-167	349	366	95 +	1	366	351805	352170
UN83180	Rsa1.0.00107.1	884	431659	0	869	911	95 +	1	884	135961	136870
UN83181	Rsa1.0.10862.1	872	5698	1.00E-12	42	43	97 +	187	229	3748	3790
UN83182	Rsa1.0.06009.1	880	11950	0	873	876	99 +	5	880	10385	11260
UN83183	#	#	#	#	#	#	#	#	#	#	#
UN83184	Rsa1.0.01640.1	865	41822	1.00E-175	311	311	100 -	1	311	38060	38370
UN83185	Rsa1.0.04067.1	619	19256	0	619	619	100 +	1	619	858	1476

UN83186	Rsa1.0_00014.1	830	348985	2.00E-70	176	187	94 +	652	830	215021	215207
UN83187	Rsa1.0_00275.1	864	210104	0	451	451	100 -	340	790	171982	172432
UN83188	#	#	#	#	#	#	#	#	#	#	#
UN83189	Rsa1.0_00273.1	815	326186	0	748	796	93 +	41	815	274595	275386
UN83190	#	#	#	#	#	#	#	#	#	#	#
UN83191	#	#	#	#	#	#	#	#	#	#	#
UN83192	#	#	#	#	#	#	#	#	#	#	#
UN83193	Rsa1.0_00448.1	861	84048	1.00E-137	297	308	96 -	1	306	3277	3582
UN83194	Rsa1.0_02248.1	844	33414	0	502	502	100 +	1	502	11893	12394
UN83195	Rsa1.0_02935.1	363	26621	1.00E-170	340	350	97 +	16	363	15885	16234
UN83196	Rsa1.0_00451.1	664	322533	0	664	664	100 +	1	664	249804	250467
UN83197	Rsa1.0_01519.1	828	44144	0	828	828	100 -	1	828	27674	28501
UN83198	Rsa1.0_01467.1	880	45161	0	376	377	99 +	504	880	30387	30763
UN83199	Rsa1.0_03649.1	807	21589	0	807	807	100 -	1	807	4549	5355
UN83200	Rsa1.0_00293.1	863	339294	0	860	863	99 -	1	863	288320	289182
UN83201	Rsa1.0_06318.1	633	11243	0	632	633	99 -	1	633	5069	5701
UN83202	Rsa1.0_08628.1	716	7109	0	615	616	99 +	101	716	2751	3366
UN83203	Rsa1.0_31364.1	870	729	0	618	672	91 +	199	870	1	668
UN83204	Rsa1.0_02673.1	638	28877	0	489	513	95 +	129	638	10291	10800
UN83205	Rsa1.0_01987.1	657	36446	0	657	657	100 -	1	657	14671	15327
UN83206	Rsa1.0_00787.1	466	64239	0	458	458	100 +	9	466	50561	51018
UN83207	Rsa1.0_00042.1	861	171507	0	861	861	100 +	1	861	122654	123514
UN83208	Rsa1.0_00273.1	375	326186	2.00E-71	173	185	93 -	54	238	40267	40451
UN83209	Rsa1.0_00059.1	874	159650	1.00E-133	241	241	100 -	1	241	72856	73096
UN83210	Rsa1.0_53334.1	759	427	0	426	427	99 -	71	497	1	427
UN83211	#	#	#	#	#	#	#	#	#	#	#
UN83212	Rsa1.0_00382.1	360	251946	0	360	360	100 +	1	360	134174	134533
UN83213	Rsa1.0_00131.1	878	432233	0	875	878	99 +	2	878	174549	175426
UN83214	Rsa1.0_00046.1	810	320315	0	513	513	100 -	6	518	22409	22921
UN83215	Rsa1.0_01388.1	136	46741	1.00E-66	134	136	98 -	1	136	12577	12712
UN83216	Rsa1.0_01552.1	361	43396	1.00E-142	273	279	97 -	83	361	35230	35508
UN83217	Rsa1.0_02840.1	902	27386	0	901	901	100 -	2	902	15932	16832
UN83218	Rsa1.0_20171.1	828	1332	0	761	799	95 -	11	808	1	799
UN83219	Rsa1.0_01321.1	843	48248	0	422	422	100 +	130	551	6404	6825
UN83220	Rsa1.0_02588.1	882	29840	0	881	881	100 -	2	882	12793	13673
UN83221	Rsa1.0_02713.1	879	28470	0	878	881	99 -	1	879	27566	28446
UN83222	Rsa1.0_29200.1	906	789	0	495	546	90 +	105	650	69	599
UN83223	Rsa1.0_08124.1	835	7869	0	704	733	96 -	96	822	1	733
UN83224	Rsa1.0_00153.1	853	192931	0	849	853	99 +	1	853	143150	144002

UN83225	Rsa1.0_02754.1	802	28213	0	801	802	99 +	2	802	7000	7801
UN83226	#	#	#	#	#	#	#	#	#	#	#
UN83227	Rsa1.0_14520.1	570	3307	0	559	569	98 -	2	570	868	1427
UN83228	Rsa1.0_03308.1	782	23859	0	385	387	99 +	6	390	21507	21893
UN83229	Rsa1.0_00303.1	857	97468	0	371	371	100 +	487	857	29741	30111
UN83230	Rsa1.0_01530.1	850	43820	1.00E-148	300	310	96 +	173	480	3574	3883
UN83231	Rsa1.0_02532.1	618	30403	0	607	619	98 -	1	618	27292	27910
UN83232	Rsa1.0_00203.1	475	109129	1.00E-150	269	269	100 -	1	269	80231	80499
UN83233	Rsa1.0_00745.1	469	66067	0	464	464	100 -	6	469	32312	32775
UN83234	Rsa1.0_17699.1	515	1763	1.00E-110	217	222	97 +	1	222	1277	1498
UN83235	Rsa1.0_06965.1	528	10099	0	520	527	98 -	1	526	5206	5727
UN83236	Rsa1.0_03664.1	530	21487	1.00E-94	205	216	94 +	4	210	7048	7263
UN83237	Rsa1.0_70529.1	928	325	2.00E-21	149	178	83 -	44	219	109	286
UN83238	Rsa1.0_04441.1	833	17341	1.00E-171	305	305	100 +	1	305	5836	6140
UN83239	Rsa1.0_01865.1	528	37992	0	520	528	98 +	1	528	25982	26509
UN83240	Rsa1.0_00706.1	846	291570	0	818	838	97 +	9	846	229148	229972
UN83241	Rsa1.0_00788.1	853	64237	1.00E-136	246	246	100 -	382	627	59100	59345
UN83242	Rsa1.0_00365.1	197	90902	1.00E-105	196	197	99 -	1	197	65836	66032
UN83243	Rsa1.0_05239.1	574	14410	0	434	434	100 -	141	574	11688	12121
UN83244	Rsa1.0_23397.1	775	1052	1.00E-171	384	405	94 +	3	403	1	401
UN83245	Rsa1.0_00243.1	897	103651	0	896	897	99 -	1	897	20960	21856
UN83246	Rsa1.0_00385.1	473	89160	1.00E-178	331	335	98 -	1	333	48424	48758
UN83247	Rsa1.0_00609.1	512	72785	0	378	378	100 +	1	378	48747	49124
UN83248	Rsa1.0_00554.1	688	150953	1.00E-103	305	349	87 +	2	335	119424	119760
UN83249	Rsa1.0_02428.1	209	31542	3.00E-75	182	193	94 -	1	189	20904	21096
UN83250	Rsa1.0_00923.1	712	153678	1.00E-164	340	353	96 -	350	700	18539	18886
UN83251	Rsa1.0_01779.1	198	39448	1.00E-83	191	198	96 -	1	198	17177	17367
UN83252	Rsa1.0_01583.1	745	156297	1.00E-111	205	205	100 -	541	745	129335	129539
UN83253	Rsa1.0_00296.1	720	97854	0	718	719	99 +	3	720	27860	28578
UN83254	Rsa1.0_19134.1	832	1474	3.00E-16	45	45	100 +	788	832	1106	1150
UN83255	Rsa1.0_03221.1	837	24535	0	826	838	98 +	1	837	2857	3684
UN83256	Rsa1.0_04643.1	528	16546	1.00E-171	307	308	99 +	1	308	121	428
UN83257	Rsa1.0_00069.1	594	403561	2.00E-93	174	174	100 -	274	447	178478	178651
UN83258	Rsa1.0_13945.1	828	4035	0	685	685	100 +	1	685	165	849
UN83259	Rsa1.0_03673.1	797	21448	0	797	797	100 -	1	797	5064	5860
UN83260	Rsa1.0_03087.1	908	25478	0	693	765	90 -	1	756	21624	22388
UN83261	Rsa1.0_00008.1	827	358124	0	611	612	99 -	216	827	190143	190754
UN83262	Rsa1.0_00290.1	811	225096	1.00E-138	267	273	97 +	389	661	157656	157928
UN83263	Rsa1.0_00863.1	853	254535	0	823	854	96 -	1	853	217829	218682

UN83264	Rsa1.0.06928.1	837	10147	0	621	632	98 +	14	643	9517	10147
UN83265	Rsa1.0.00600.1	862	73395	0	847	862	98 -	1	862	59318	60178
UN83266	Rsa1.0.00377.1	873	90038	1.00E-127	244	248	98 +	1	248	540	783
UN83267	Rsa1.0.05299.1	818	14229	0	812	818	99 +	1	818	1549	2360
UN83268	Rsa1.0.00246.1	828	103541	1.00E-129	267	278	96 -	1	278	96064	96341
UN83269	Rsa1.0.22680.1	201	130241	1.00E-107	196	196	100 -	6	201	600	795
UN83270	Rsa1.0.00169.1	836	274298	0	818	837	97 +	1	836	52603	53431
UN83271	Rsa1.0.01827.1	826	143321	0	578	579	99 +	248	826	14052	14630
UN83272	Rsa1.0.02228.1	863	33688	0	574	574	100 -	111	684	16770	17343
UN83273	Rsa1.0.02496.1	648	30814	1.00E-114	221	225	98 +	302	526	15075	15299
UN83274	Rsa1.0.01363.1	885	47195	0	464	465	99 +	1	465	13351	13814
UN83275	Rsa1.0.04317.1	840	17967	0	798	798	100 -	1	798	2094	2891
UN83276	Rsa1.0.42878.1	802	524	1.00E-132	239	239	100 +	379	617	140	378
UN83277	Rsa1.0.03223.1	806	24512	0	806	806	100 -	1	806	15016	15821
UN83278	Rsa1.0.32974.1	843	689	0	658	674	97 +	178	843	1	674
UN83279	Rsa1.0.00303.1	855	97468	0	364	364	100 -	283	646	45704	46067
UN83280	Rsa1.0.08468.1	824	135984	0	824	825	99 -	1	824	996	1820
UN83281	Rsa1.0.01093.1	428	54312	0	357	357	100 -	72	428	24580	24936
UN83282	Rsa1.0.02589.1	879	300828	0	879	880	99 +	1	879	152176	153055
UN83283	Rsa1.0.02808.1	875	27677	1.00E-178	334	340	98 -	340	679	7731	8070
UN83284	Rsa1.0.02283.1	847	33024	2.33E-156	278	283	98 +	146	428	26492	26774
UN83285	Rsa1.0.04265.1	825	18199	0	825	825	100 -	1	825	8804	9628
UN83286	Rsa1.0.00358.1	837	91293	0	837	838	99 +	1	837	65918	66755
UN83287	Rsa1.0.00596.1	379	73578	0	374	374	100 +	6	379	35330	35703
UN83288	Rsa1.0.00038.1	837	314568	1.00E-150	279	282	98 +	440	721	265491	265772
UN83289	Rsa1.0.01960.1	416	36766	1.00E-131	240	241	99 +	47	287	7984	8224
UN83290	Rsa1.0.06111.1	814	11723	1.00E-177	340	347	97 -	1	346	11188	11534
UN83291	Rsa1.0.55861.1	832	409	1.00E-123	271	286	94 +	219	504	132	409
UN83292	Rsa1.0.17535.1	880	1803	0	381	384	99 +	104	487	387	770
UN83293	Rsa1.0.02675.1	856	28852	0	856	856	100 +	1	856	26944	27799
UN83294	Rsa1.0.02104.1	909	34985	1.00E-179	440	475	92 +	438	909	25340	25808
UN83295	Rsa1.0.04042.1	874	19428	0	650	650	100 +	1	650	11075	11724
UN83296	Rsa1.0.00688.1	273	68396	1.00E-153	273	273	100 -	1	273	49352	49624
UN83297	Rsa1.0.15160.1	840	2789	0	585	585	100 -	26	610	1	585
UN83298	#	#	#	#	#	#	#	#	#	#	#
UN83299	Rsa1.0.02992.1	681	26176	0	323	323	100 -	359	681	1552	1874
UN83300	Rsa1.0.00016.1	217	831256	6.00E-61	119	119	100 +	3	121	514480	514598
UN83301	Rsa1.0.03253.1	766	24321	0	601	601	100 -	1	601	13387	13987
UN83302	Rsa1.0.00153.1	266	192931	1.00E-148	266	266	100 +	1	266	174626	174891

UN83303	Rsa1.0.06206.1	596	11494	1.00E-177	315	315	100 -	282	596	9267	9581
UN83304	Rsa1.0.00315.1	876	96426	0	874	874	100 -	3	876	17168	18041
UN83305	Rsa1.0.02040.1	822	35684	0	801	810	98 +	14	822	22479	23283
UN83306	Rsa1.0.00430.1	830	85453	1.00E-172	306	306	100 -	1	306	53361	53666
UN83307	Rsa1.0.02896.1	315	26970	1.00E-173	315	316	99 -	1	315	9028	9343
UN83308	Rsa1.0.00281.1	882	99908	0	861	903	95 -	1	882	17362	18264
UN83309	Rsa1.0.19122.1	853	1477	0	330	330	100 -	524	853	781	1110
UN83310	#	#	#	#	#	#	#	#	#	#	#
UN83311	Rsa1.0.00063.1	455	156150	0	455	455	100 -	1	455	126278	126732
UN83312	Rsa1.0.02956.1	850	26483	0	663	668	99 +	1	668	7150	7813
UN83313	Rsa1.0.01122.1	836	53369	1.00E-100	189	190	99 +	647	836	2476	2665
UN83314	Rsa1.0.01215.1	821	166813	1.00E-163	317	325	97 -	76	397	43845	44169
UN83315	Rsa1.0.00239.1	883	104332	0	883	885	99 -	1	883	20557	21441
UN83316	Rsa1.0.01619.1	780	42117	1.00E-166	325	333	97 -	1	332	1	333
UN83317	Rsa1.0.01962.1	827	153412	1.00E-129	244	247	98 +	581	827	16620	16866
UN83318	Rsa1.0.15656.1	812	2500	0	664	666	99 +	1	666	544	1209
UN83319	Rsa1.0.08717.1	113	7008	5.00E-41	97	101	96 -	13	113	1100	1200
UN83320	Rsa1.0.00110.1	842	132719	0	521	546	95 -	297	842	36508	37047
UN83321	Rsa1.0.00037.1	742	307838	1.00E-151	274	275	99 -	1	275	237974	238248
UN83322	Rsa1.0.17114.1	856	1919	0	622	623	99 +	1	623	692	1314
UN83323	Rsa1.0.00686.1	634	68511	0	342	343	99 -	292	634	57480	57821
UN83324	#	#	#	#	#	#	#	#	#	#	#
UN83325	Rsa1.0.00423.1	819	86138	0	788	819	96 -	1	819	78521	79330
UN83326	Rsa1.0.00015.1	753	561803	1.00E-153	418	470	88 +	30	492	483083	483532
UN83327	Rsa1.0.00116.1	473	365886	0	473	473	100 -	1	473	165408	165880
UN83328	Rsa1.0.00032.1	646	306326	0	397	397	100 +	1	397	192410	192806
UN83329	Rsa1.0.01198.1	825	51029	1.00E-106	196	196	100 -	630	825	38154	38349
UN83330	Rsa1.0.41690.1	307	539	1.00E-143	264	265	99 -	43	307	52	315
UN83331	#	#	#	#	#	#	#	#	#	#	#
UN83332	Rsa1.0.01193.1	885	51147	0	403	403	100 +	371	773	41318	41720
UN83333	Rsa1.0.00790.1	862	148693	0	862	862	100 +	1	862	15592	16453
UN83334	Rsa1.0.00246.1	563	103541	0	540	570	94 +	2	563	93313	93874
UN83335	Rsa1.0.01204.1	663	50843	1.00E-103	262	282	92 +	395	663	11719	11999
UN83336	Rsa1.0.00307.1	861	199003	0	842	868	97 -	1	861	45846	46713
UN83337	#	#	#	#	#	#	#	#	#	#	#
UN83338	#	#	#	#	#	#	#	#	#	#	#
UN83339	Rsa1.0.22408.1	362	1124	1.00E-155	321	334	96 -	32	362	493	823
UN83340	#	#	#	#	#	#	#	#	#	#	#
UN83341	Rsa1.0.00437.1	649	84879	0	627	649	96 -	1	649	6002	6650

UN83342	Rsa1.0.08380.1	844	7446	0	461	461	100 -		384	844	2704	3164
UN83343	Rsa1.0.00168.1	868	115870	0	868	868	100 -		1	868	30515	31382
UN83344	Rsa1.0.00419.1	851	86562	0	847	852	99 -		1	851	38816	39667
UN83345	Rsa1.0.00048.1	832	167185	1.00E-160	294	295	99 -		1	294	151139	151433
UN83346	#	#	#	#	#	#	#	#	#	#	#	#
UN83347	Rsa1.0.00108.1	884	478491	0	685	706	97 +		2	706	404997	405701
UN83348	Rsa1.0.01341.1	853	47764	0	429	430	99 -		8	436	14274	14703
UN83349	Rsa1.0.07926.1	878	8245	0	358	358	100 +		399	756	6848	7205
UN83350	Rsa1.0.00280.1	859	99966	0	416	416	100 +		1	416	97483	97898
UN83351	Rsa1.0.00290.1	875	225096	0	842	878	95 +		1	875	168607	169484
UN83352	Rsa1.0.02613.1	623	29557	1.00E-138	266	270	98 -		355	623	21103	21372
UN83353	Rsa1.0.02018.1	107	35994	8.00E-46	107	109	98 +		1	107	6288	6396
UN83354	Rsa1.0.18097.1	537	1669	1.00E-174	321	325	98 +		155	479	1	325
UN83355	#	#	#	#	#	#	#	#	#	#	#	#
UN83356	Rsa1.0.07916.1	849	8288	0	455	469	97 -		5	471	3964	4429
UN83357	Rsa1.0.05918.1	391	12244	1.00E-155	278	278	100 -		114	391	3470	3747
UN83358	Rsa1.0.03210.1	584	24592	0	416	429	96 +		156	584	1860	2283
UN83359	Rsa1.0.00287.1	704	98687	1.00E-125	288	308	93 +		292	599	50189	50496
UN83360	Rsa1.0.00694.1	921	68074	0	878	910	96 +		12	921	60974	61875
UN83361	Rsa1.0.00022.1	530	200461	0	366	370	98 -		4	370	28222	28591
UN83362	Rsa1.0.04237.1	816	18361	0	804	806	99 +		11	816	7441	8246
UN83363	Rsa1.0.00945.1	813	58714	0	813	813	100 -		1	813	52947	53759
UN83364	#	#	#	#	#	#	#	#	#	#	#	#
UN83365	Rsa1.0.00687.1	694	68494	3.00E-62	292	348	83 -		343	690	42451	42795
UN83366	Rsa1.0.00016.1	828	831256	0	510	510	100 -		319	828	798871	799380
UN83367	Rsa1.0.00077.1	399	145005	0	399	400	99 +		1	399	73713	74112
UN83368	Rsa1.0.08841.1	626	6870	0	488	502	97 -		7	508	1013	1513
UN83369	Rsa1.0.00139.1	773	357786	0	719	719	100 -		7	725	1806	2524
UN83370	Rsa1.0.01493.1	572	44670	0	448	452	99 +		122	572	19246	19697
UN83371	Rsa1.0.02618.1	755	29526	1.00E-174	317	318	99 +		439	755	171	488
UN83372	Rsa1.0.01847.1	868	38346	4.00E-99	184	184	100 -		473	656	20169	20352
UN83373	#	#	#	#	#	#	#	#	#	#	#	#
UN83374	Rsa1.0.00898.1	795	202772	0	613	613	100 +		1	613	36655	37267
UN83375	Rsa1.0.00270.1	666	101236	0	659	665	99 +		2	666	25036	25700
UN83376	Rsa1.0.01641.1	118	188213	8.00E-37	78	78	100 +		41	118	7608	7685
UN83377	Rsa1.0.20974.1	815	1249	0	458	458	100 -		1	458	1	458
UN83378	Rsa1.0.00145.1	845	261008	0	544	562	96 +		214	775	232353	232914
UN83379	Rsa1.0.04169.1	830	18712	0	776	777	99 +		1	777	1006	1782
UN83380	Rsa1.0.06039.1	871	11867	0	864	874	98 +		1	871	203	1076

UN83381	Rsa1.0_05204.1	585	14516	1.00E-140	280	289	96 -	69	357	6647	6935
UN83382	#	#	#	#	#	#	#	#	#	#	#
UN83383	Rsa1.0_01582.1	883	42815	0	883	883	100 -	1	883	30087	30969
UN83384	#	#	#	#	#	#	#	#	#	#	#
UN83385	#	#	#	#	#	#	#	#	#	#	#
UN83386	Rsa1.0_00683.1	838	68638	0	838	838	100 +	1	838	11704	12541
UN83387	Rsa1.0_00158.1	840	117999	0	488	502	97 +	95	591	28549	29050
UN83388	#	#	#	#	#	#	#	#	#	#	#
UN83389	Rsa1.0_00294.1	804	144860	0	518	528	98 -	277	804	44826	45353
UN83390	Rsa1.0_01602.1	552	42503	0	542	542	100 +	7	548	5780	6321
UN83391	Rsa1.0_00922.1	765	59588	1.00E-162	289	289	100 +	281	569	51450	51738
UN83392	#	#	#	#	#	#	#	#	#	#	#
UN83393	Rsa1.0_25630.1	751	928	0	649	675	96 +	1	675	256	928
UN83394	Rsa1.0_08800.1	627	6912	0	627	629	99 -	1	627	5056	5684
UN83395	Rsa1.0_00851.1	807	62181	0	772	801	96 +	3	803	12582	13382
UN83396	Rsa1.0_00356.1	866	91521	0	777	777	100 -	1	777	37813	38589
UN83397	Rsa1.0_03284.1	779	24069	0	439	451	97 -	299	748	18400	18847
UN83398	#	#	#	#	#	#	#	#	#	#	#
UN83399	Rsa1.0_00844.1	849	62403	0	842	842	100 +	8	849	20298	21139
UN83400	Rsa1.0_07752.1	857	8640	0	598	645	92 -	4	648	7399	8043
UN83401	#	#	#	#	#	#	#	#	#	#	#
UN83402	Rsa1.0_01077.1	776	54772	0	775	776	99 -	1	776	53275	54050
UN83403	Rsa1.0_04124.1	663	18945	0	658	661	99 -	1	661	13059	13719
UN83404	#	#	#	#	#	#	#	#	#	#	#
UN83405	Rsa1.0_70106.1	838	327	1.00E-162	289	289	100 -	292	580	39	327
UN83406	Rsa1.0_17339.1	901	1855	0	587	588	99 +	314	901	518	1105
UN83407	Rsa1.0_00216.1	722	197563	1.00E-160	286	286	100 -	221	506	17305	17590
UN83408	Rsa1.0_03100.1	806	25411	0	806	806	100 +	1	806	14947	15752
UN83409	Rsa1.0_00244.1	819	103590	0	819	819	100 +	1	819	88606	89424
UN83410	Rsa1.0_06181.1	868	11547	0	854	855	99 +	15	868	3421	4275
UN83411	Rsa1.0_00790.1	375	148693	4.00E-97	183	184	99 +	192	375	136297	136480
UN83412	Rsa1.0_00159.1	742	431686	0	742	742	100 +	1	742	175056	175797
UN83413	Rsa1.0_00823.1	557	62889	0	557	557	100 +	1	557	8054	8610
UN83414	#	#	#	#	#	#	#	#	#	#	#
UN83415	Rsa1.0_01076.1	341	54835	7.00E-80	157	159	98 -	11	169	53310	53468
UN83416	Rsa1.0_03278.1	836	24125	0	821	836	98 +	1	836	856	1690
UN83417	#	#	#	#	#	#	#	#	#	#	#
UN83418	Rsa1.0_00451.1	806	322533	2.00E-97	199	205	97 -	161	365	23958	24162
UN83419	Rsa1.0_00107.1	853	431659	1.00E-164	311	317	98 +	255	571	367587	367903

UN83420	Rsa1.0_04420.1	823	17430	0	369	374	98 +	417	788	13757	14130
UN83421	Rsa1.0_04655.1	593	16495	0	328	328	100 -	266	593	7188	7515
UN83422	Rsa1.0_00185.1	872	248445	0	382	382	100 -	386	767	171330	171711
UN83423	#	#	#	#	#	#	#	#	#	#	#
UN83424	Rsa1.0_00173.1	533	288743	5.00E-88	290	331	87 +	5	335	220404	220731
UN83425	Rsa1.0_00339.1	884	222974	0	884	884	100 +	1	884	91900	92783
UN83426	Rsa1.0_01585.1	830	42806	0	373	374	99 +	4	376	20177	20550
UN83427	Rsa1.0_00016.1	561	831256	0	525	548	95 +	14	561	684545	685092
UN83428	Rsa1.0_00042.1	771	171507	0	770	771	99 +	1	771	2943	3713
UN83429	Rsa1.0_01516.1	189	44196	4.00E-52	116	120	96 +	63	182	25547	25666
UN83430	Rsa1.0_00016.1	816	831256	0	814	815	99 +	3	816	763678	764492
UN83431	Rsa1.0_05850.1	618	12425	4.00E-30	145	171	84 -	180	350	9180	9339
UN83432	Rsa1.0_01898.1	243	37491	4.00E-93	231	247	93 -	1	243	1536	1781
UN83433	Rsa1.0_00008.1	605	358124	0	428	439	97 -	1	439	224064	224502
UN83434	Rsa1.0_02104.1	344	34985	1.00E-165	337	347	97 +	1	344	7672	8014
UN83435	Rsa1.0_00963.1	832	58176	0	832	833	99 +	1	832	20299	21131
UN83436	Rsa1.0_03962.1	255	19860	1.00E-102	239	254	94 -	5	255	5258	5510
UN83437	Rsa1.0_00683.1	796	68638	0	488	489	99 +	3	491	24109	24597
UN83438	Rsa1.0_13458.1	853	4814	0	851	852	99 -	2	853	78	929
UN83439	Rsa1.0_02467.1	629	31141	0	629	629	100 +	1	629	27763	28391
UN83440	Rsa1.0_23144.1	647	1068	1.00E-139	296	311	95 -	153	463	758	1068
UN83441	Rsa1.0_07889.1	543	8354	1.00E-157	314	325	96 -	219	543	2646	2970
UN83442	Rsa1.0_08112.1	476	7885	0	476	489	97 -	1	476	4761	5249
UN83443	Rsa1.0_00888.1	863	60978	1.00E-122	222	222	100 +	455	676	52557	52778
UN83444	Rsa1.0_00237.1	840	235974	0	822	840	97 -	1	840	21053	21889
UN83445	Rsa1.0_01419.1	915	167402	0	589	596	98 +	320	915	152458	153053
UN83446	Rsa1.0_00124.1	845	262503	1.00E-162	334	349	95 +	497	845	80397	80745
UN83447	Rsa1.0_02384.1	830	31917	0	813	828	98 +	5	830	377	1202
UN83448	Rsa1.0_03714.1	893	21217	0	377	377	100 -	445	821	18230	18606
UN83449	Rsa1.0_00396.1	574	88242	0	478	508	94 -	1	508	65902	66398
UN83450	Rsa1.0_00029.1	675	272992	0	379	388	97 +	1	388	10182	10568
UN83451	Rsa1.0_08912.1	549	6797	0	548	550	99 -	1	549	5635	6184
UN83452	Rsa1.0_00292.1	737	98141	4.00E-46	101	103	98 +	123	225	21062	21164
UN83453	Rsa1.0_00491.1	743	80219	0	436	443	98 +	5	447	15752	16192
UN83454	Rsa1.0_03996.1	666	19654	0	495	496	99 -	1	496	1693	2188
UN83455	#	#	#	#	#	#	#	#	#	#	#
UN83456	Rsa1.0_02567.1	836	30016	0	836	837	99 -	1	836	12018	12854
UN83457	Rsa1.0_56047.1	761	408	0	408	408	100 +	43	450	1	408
UN83458	Rsa1.0_02305.1	539	32783	5.00E-11	43	44	97 +	282	325	31860	31902

UN83459	Rsa1.0_14369.1	574	3472	1.00E-151	382	416	91 +	183	574	2627	3040
UN83460	Rsa1.0_00192.1	830	278200	0	830	830	100 -	1	830	264730	265559
UN83461	Rsa1.0_02026.1	524	35896	1.00E-143	414	465	89 -	47	493	16752	17208
UN83462	Rsa1.0_02725.1	603	28404	0	591	603	98 +	1	603	11585	12187
UN83463	Rsa1.0_03673.1	826	21448	1.00E-145	265	266	99 +	231	496	1762	2027
UN83464	Rsa1.0_04068.1	349	19253	0	345	345	100 +	5	349	13863	14207
UN83465	Rsa1.0_01264.1	638	49697	0	527	569	92 +	74	638	19119	19687
UN83466	Rsa1.0_01232.1	446	155185	1.00E-145	278	284	97 +	4	287	137603	137886
UN83467	#	#	#	#	#	#	#	#	#	#	#
UN83468	Rsa1.0_07706.1	274	8752	1.00E-149	274	275	99 +	1	274	221	495
UN83469	Rsa1.0_00178.1	317	114861	1.00E-145	261	261	100 +	1	261	91176	91436
UN83470	Rsa1.0_04940.1	832	15384	2.00E-97	181	181	100 +	652	832	6914	7094
UN83471	#	#	#	#	#	#	#	#	#	#	#
UN83472	Rsa1.0_01380.1	606	155003	0	574	577	99 -	1	577	18401	18974
UN83473	Rsa1.0_04806.1	427	15898	1.00E-160	286	286	100 +	1	286	9321	9606
UN83474	Rsa1.0_00032.1	842	306326	0	842	842	100 -	1	842	229285	230126
UN83475	#	#	#	#	#	#	#	#	#	#	#
UN83476	Rsa1.0_03296.1	873	23969	0	872	873	99 -	1	873	7495	8367
UN83477	Rsa1.0_03626.1	829	160993	0	827	829	99 -	1	829	149288	150115
UN83478	#	#	#	#	#	#	#	#	#	#	#
UN83479	#	#	#	#	#	#	#	#	#	#	#
UN83480	Rsa1.0_02365.1	839	32118	0	394	394	100 -	446	839	18322	18715
UN83481	Rsa1.0_01195.1	890	147988	0	890	890	100 +	1	890	137312	138201
UN83482	Rsa1.0_01261.1	548	49744	0	372	372	100 -	1	372	2970	3341
UN83483	Rsa1.0_00358.1	601	91293	0	601	601	100 +	1	601	37056	37656
UN83484	Rsa1.0_00104.1	865	368722	0	848	862	98 +	8	865	272720	273581
UN83485	Rsa1.0_00006.1	553	396176	0	553	553	100 +	1	553	18627	19179
UN83486	Rsa1.0_15112.1	845	2818	8.00E-11	42	44	95 -	335	378	589	632
UN83487	Rsa1.0_02302.1	480	32823	1.00E-103	193	194	99 +	287	480	14583	14776
UN83488	Rsa1.0_00092.1	907	659932	1.00E-170	340	350	97 +	540	886	622239	622587
UN83489	Rsa1.0_31576.1	871	724	1.00E-122	222	222	100 -	650	871	412	633
UN83490	Rsa1.0_01517.1	512	44170	1.00E-163	291	291	100 -	222	512	17647	17937
UN83491	Rsa1.0_00635.1	904	175826	0	336	340	98 -	12	351	17935	18274
UN83492	Rsa1.0_00010.1	851	294827	5.00E-12	47	50	94 +	143	192	207268	207317
UN83493	#	#	#	#	#	#	#	#	#	#	#
UN83494	Rsa1.0_05354.1	805	14073	0	805	805	100 -	1	805	6304	7108
UN83495	#	#	#	#	#	#	#	#	#	#	#
UN83496	Rsa1.0_01828.1	272	38681	1.00E-101	252	271	92 +	8	272	33037	33302
UN83497	Rsa1.0_00989.1	191	57494	2.00E-54	108	108	100 -	2	109	8291	8398

UN83498	Rsa1.0_00934.1	886	193516	0	834	862	96 +	32	886	150104	150964
UN83499	Rsa1.0_01772.1	847	39557	0	327	329	99 -	1	329	26827	27155
UN83500	Rsa1.0_02950.1	872	26506	0	527	544	96 -	242	785	5272	5809
UN83501	Rsa1.0_00009.1	844	232558	0	794	847	93 -	1	844	30937	31771
UN83502	Rsa1.0_03836.1	873	20564	0	732	732	100 -	1	732	6964	7695
UN83503	Rsa1.0_00697.1	858	67913	0	829	861	96 +	1	854	5723	6579
UN83504	Rsa1.0_00007.1	896	239325	2.00E-98	238	250	95 -	321	567	41905	42151
UN83505	Rsa1.0_26841.1	715	876	0	426	457	93 +	8	443	229	685
UN83506	Rsa1.0_04010.1	703	19576	1.00E-147	265	265	100 +	116	380	6329	6593
UN83507	Rsa1.0_00100.1	890	249232	0	457	477	95 -	414	890	183150	183626
UN83508	Rsa1.0_02513.1	785	30643	0	672	783	85 +	17	779	18978	19755
UN83509	Rsa1.0_00066.1	824	152418	0	801	821	97 -	6	824	2649	3469
UN83510	Rsa1.0_00341.1	475	249309	0	471	476	98 +	1	475	180303	180778
UN83511	Rsa1.0_01168.1	833	153765	0	750	759	98 +	81	833	20887	21645
UN83512	Rsa1.0_00329.1	909	222544	0	909	909	100 +	1	909	195314	196222
UN83513	Rsa1.0_01760.1	886	39730	2.00E-98	203	209	97 +	226	434	35551	35756
UN83514	Rsa1.0_00471.1	816	81897	1.00E-142	257	257	100 +	262	518	8014	8270
UN83515	Rsa1.0_00340.1	821	305782	0	821	821	100 -	1	821	136001	136821
UN83516	Rsa1.0_00033.1	805	515811	0	776	806	96 +	2	805	497367	498168
UN83517	Rsa1.0_03002.1	100	26107	1.00E-47	99	100	99 +	1	100	19544	19643
UN83518	Rsa1.0_00017.1	470	752458	0	455	471	96 -	1	470	96940	97409
UN83519	Rsa1.0_15125.1	817	2810	0	588	589	99 -	10	598	1	589
UN83520	Rsa1.0_00990.1	855	57445	0	835	860	97 -	9	855	47689	48547
UN83521	Rsa1.0_02635.1	856	29296	0	835	849	98 +	10	856	18462	19310
UN83522	Rsa1.0_06024.1	853	11905	0	803	853	94 +	1	853	7098	7950
UN83523	Rsa1.0_03244.1	382	24413	0	375	375	100 +	8	382	20602	20976
UN83524	Rsa1.0_01905.1	849	37450	0	848	848	100 +	2	849	4509	5356
UN83525	Rsa1.0_03556.1	726	22121	0	723	726	99 +	1	726	4747	5472
UN83526	Rsa1.0_01208.1	215	50718	1.00E-118	215	215	100 +	1	215	28301	28515
UN83527	Rsa1.0_08001.1	911	8095	0	882	911	96 -	1	911	612	1503
UN83528	Rsa1.0_04535.1	829	136600	0	827	827	100 +	3	829	125859	126685
UN83529	Rsa1.0_02908.1	824	26859	1.00E-153	274	274	100 +	34	307	6875	7148
UN83530	Rsa1.0_07878.1	842	8371	0	577	591	97 -	252	842	703	1287
UN83531	Rsa1.0_00054.1	797	162053	0	704	704	100 +	94	797	22427	23130
UN83532	Rsa1.0_02589.1	169	300828	6.00E-91	169	169	100 -	1	169	154396	154564
UN83533	Rsa1.0_02916.1	813	26809	0	345	350	98 -	250	599	16043	16392
UN83534	Rsa1.0_07311.1	821	9567	0	819	822	99 +	1	821	3849	4670
UN83535	Rsa1.0_00025.1	839	277312	0	609	625	97 -	215	839	143748	144369
UN83536	Rsa1.0_00215.1	807	201775	0	804	808	99 -	1	807	21146	21953

UN83537	Rsa1.0.01327.1	637	48033	0	399	399	100 -	1	399	40846	41244
UN83538	Rsa1.0.08737.1	820	6983	0	592	628	94 +	187	814	6073	6700
UN83539	Rsa1.0.00785.1	796	64356	1.00E-151	304	315	96 -	325	639	48851	49165
UN83540	Rsa1.0.00348.1	825	92818	0	806	827	97 -	1	825	5520	6343
UN83541	Rsa1.0.03875.1	803	20355	1.00E-144	385	420	91 -	4	416	18863	19280
UN83542	Rsa1.0.00017.1	853	752458	0	392	402	97 +	168	569	37912	38312
UN83543	Rsa1.0.00137.1	840	122457	0	839	841	99 +	1	840	69050	69889
UN83544	Rsa1.0.00017.1	881	752458	0	877	878	99 -	5	881	661863	662740
UN83545	Rsa1.0.00740.1	827	215972	0	648	667	97 +	1	664	34062	34723
UN83546	Rsa1.0.00296.1	889	97854	0	886	888	99 +	3	889	14583	15469
UN83547	Rsa1.0.00068.1	828	151813	0	817	828	98 -	1	828	22787	23612
UN83548	Rsa1.0.01081.1	877	499226	0	872	874	99 +	4	877	335489	336362
UN83549	Rsa1.0.01833.1	798	38555	1.00E-176	313	313	100 +	486	798	10585	10897
UN83550	#	#	#	#	#	#	#	#	#	#	#
UN83551	Rsa1.0.02928.1	271	26680	1.00E-139	264	267	98 +	6	271	16640	16906
UN83552	Rsa1.0.00009.1	853	232558	0	448	456	98 -	1	456	50435	50887
UN83553	Rsa1.0.19417.1	500	1435	0	497	501	99 +	1	500	820	1319
UN83554	Rsa1.0.00103.1	873	135304	0	359	359	100 +	252	610	127011	127369
UN83555	Rsa1.0.02218.1	838	33809	0	837	838	99 -	1	838	32615	33452
UN83556	Rsa1.0.01068.1	836	55208	0	404	409	98 -	3	410	47784	48192
UN83557	Rsa1.0.00724.1	801	66789	0	551	555	99 +	82	636	58679	59233
UN83558	#	#	#	#	#	#	#	#	#	#	#
UN83559	Rsa1.0.00537.1	683	186980	0	555	555	100 +	129	683	163711	164265
UN83560	Rsa1.0.02010.1	816	36096	0	784	784	100 -	1	784	29421	30204
UN83561	Rsa1.0.07565.1	812	9122	0	502	502	100 -	6	507	7882	8383
UN83562	Rsa1.0.00999.1	843	57162	0	838	838	100 -	6	843	32075	32912
UN83563	Rsa1.0.46508.1	831	485	0	485	485	100 +	145	629	1	485
UN83564	Rsa1.0.00782.1	822	64468	1.00E-134	313	330	94 +	3	326	39455	39780
UN83565	#	#	#	#	#	#	#	#	#	#	#
UN83566	Rsa1.0.02681.1	865	28711	0	857	858	99 +	8	865	13659	14516
UN83567	Rsa1.0.00841.1	687	183065	0	324	324	100 -	364	687	158088	158411
UN83568	Rsa1.0.37576.1	863	600	5.00E-15	94	111	84 -	551	661	252	362
UN83569	Rsa1.0.00051.1	888	258225	0	887	889	99 +	1	888	120371	121259
UN83570	Rsa1.0.00004.1	274	253996	1.00E-131	269	280	96 -	1	274	214026	214305
UN83571	Rsa1.0.00010.1	790	294827	1.00E-178	329	333	98 +	1	333	178036	178368
UN83572	Rsa1.0.00020.1	429	283099	0	429	429	100 +	1	429	60205	60633
UN83573	Rsa1.0.02554.1	850	30187	0	719	736	97 +	113	848	29373	30108
UN83574	Rsa1.0.14058.1	403	3860	3.00E-70	138	139	99 +	1	139	2226	2364
UN83575	Rsa1.0.00818.1	878	62939	1.00E-111	207	208	99 +	1	208	60728	60935

UN83576	Rsa1.0.00812.1	891	63233	1.00E-153	320	335	95 +	416	750	32518	32852
UN83577	Rsa1.0.09484.1	556	6337	0	556	556	100 +	1	556	794	1349
UN83578	Rsa1.0.06842.1	343	10285	0	341	341	100 -	3	343	6943	7283
UN83579	Rsa1.0.02922.1	825	26753	0	825	825	100 -	1	825	23854	24678
UN83580	Rsa1.0.00228.1	726	105511	0	641	641	100 -	1	641	1945	2585
UN83581	Rsa1.0.00017.1	788	752458	0	392	402	97 +	61	462	37912	38312
UN83582	Rsa1.0.20159.1	677	1333	1.00E-132	270	280	96 -	200	479	1054	1333
UN83583	Rsa1.0.04365.1	676	17732	1.00E-107	262	281	93 +	220	499	16578	16856
UN83584	Rsa1.0.02143.1	218	34632	1.00E-103	211	218	96 +	1	218	15571	15788
UN83585	Rsa1.0.01794.1	433	39215	1.00E-142	267	271	98 +	1	271	36810	37080
UN83586	Rsa1.0.01712.1	640	154210	1.00E-154	276	276	100 -	1	276	7857	8132
UN83587	Rsa1.0.01913.1	720	37363	0	430	432	99 -	1	431	1	432
UN83588	Rsa1.0.00414.1	747	202190	0	467	468	99 -	1	468	183769	184236
UN83589	Rsa1.0.02673.1	756	28877	0	634	673	94 +	13	680	9233	9898
UN83590	Rsa1.0.06645.1	647	10607	1.00E-123	258	269	95 +	27	295	1956	2224
UN83591	Rsa1.0.00497.1	327	79830	0	326	326	100 -	1	326	3940	4265
UN83592	Rsa1.0.01262.1	807	178815	0	788	821	95 -	1	807	133150	133970
UN83593	Rsa1.0.01541.1	850	43682	0	510	528	96 -	1	528	42206	42715
UN83594	Rsa1.0.03668.1	605	21483	0	492	539	91 -	63	590	16491	17028
UN83595	Rsa1.0.05864.1	416	12387	1.00E-167	319	326	97 +	60	385	5877	6202
UN83596	Rsa1.0.00017.1	878	752458	0	324	324	100 -	208	531	751088	751411
UN83597	Rsa1.0.02951.1	866	26505	0	340	340	100 +	1	340	1020	1359
UN83598	Rsa1.0.01179.1	863	51549	0	854	865	98 +	1	863	23784	24648
UN83599	Rsa1.0.01110.1	855	195852	0	764	790	96 +	66	855	27303	28092
UN83600	Rsa1.0.00119.1	870	467509	0	870	870	100 -	1	870	362239	363108
UN83601	Rsa1.0.00188.1	196	112020	1.00E-61	177	196	90 -	1	196	72080	72275
UN83602	Rsa1.0.03317.1	240	23782	2.00E-70	135	135	100 -	106	240	15482	15616
UN83603	Rsa1.0.00037.1	822	307838	0	768	768	100 -	55	822	289646	290413
UN83604	Rsa1.0.00020.1	787	283099	0	377	378	99 -	1	377	129849	130226
UN83605	Rsa1.0.00096.1	838	198773	1.00E-170	303	303	100 +	279	581	114553	114855
UN83606	Rsa1.0.00611.1	798	72410	1.00E-131	237	237	100 -	562	798	18732	18968
UN83607	Rsa1.0.03496.1	813	22492	1.00E-170	310	311	99 -	1	310	17374	17684
UN83608	Rsa1.0.09031.1	799	6699	1.00E-152	279	281	99 -	316	596	6405	6685
UN83609	Rsa1.0.00514.1	779	78421	0	673	673	100 +	99	771	7709	8381
UN83610	Rsa1.0.00874.1	870	179723	0	541	542	99 +	296	837	4488	5029
UN83611	Rsa1.0.00108.1	843	478491	0	840	843	99 -	1	843	140588	141430
UN83612	Rsa1.0.00015.1	894	561803	0	894	894	100 +	1	894	352255	353148
UN83613	Rsa1.0.22508.1	649	1115	0	407	408	99 -	242	649	708	1115
UN83614	Rsa1.0.00663.1	824	164969	9.00E-97	187	188	99 +	1	187	106043	106230

UN83615	Rsa1.0_01018.1	830	56685	0	830	830	100 -	1	830	41648	42477
UN83616	Rsa1.0_02273.1	778	140964	0	362	363	99 -	1	363	28474	28836
UN83617	Rsa1.0_04014.1	899	19572	0	661	674	98 -	1	674	14852	15525
UN83618	Rsa1.0_00468.1	827	82095	0	668	700	95 -	5	687	36367	37066
UN83619	Rsa1.0_01803.1	795	173846	1.00E-177	344	352	97 -	5	352	170833	171184
UN83620	Rsa1.0_00121.1	838	278029	0	375	375	100 -	464	838	11815	12189
UN83621	Rsa1.0_00139.1	808	357786	0	636	641	99 -	1	641	26009	26649
UN83622	#	#	#	#	#	#	#	#	#	#	#
UN83623	Rsa1.0_05164.1	192	14628	3.00E-93	189	193	97 -	1	192	9834	10026
UN83624	Rsa1.0_00876.1	132	61328	2.00E-31	72	73	98 +	1	73	33235	33307
UN83625	Rsa1.0_02452.1	745	31280	0	730	742	98 +	4	745	12661	13399
UN83626	Rsa1.0_00087.1	350	761073	0	348	351	99 +	1	350	180906	181256
UN83627	Rsa1.0_00936.1	877	59078	0	867	869	99 -	9	877	42105	42973
UN83628	Rsa1.0_00396.1	877	88242	0	864	880	98 +	1	877	8087	8966
UN83629	Rsa1.0_00079.1	838	606987	0	838	838	100 +	1	838	131364	132201
UN83630	Rsa1.0_07542.1	809	9160	1.00E-161	288	288	100 -	406	693	7520	7807
UN83631	Rsa1.0_00867.1	359	61635	1.00E-130	236	236	100 -	124	359	27766	28001
UN83632	Rsa1.0_00583.1	884	74309	2.33E-156	263	263	100 +	517	779	19294	19556
UN83633	Rsa1.0_01090.1	132	54385	6.00E-69	132	132	100 +	1	132	2505	2636
UN83634	Rsa1.0_00857.1	821	61904	0	411	414	99 +	12	425	39886	40299
UN83635	Rsa1.0_40817.1	842	550	0	502	509	98 -	46	554	1	506
UN83636	Rsa1.0_01298.1	858	48999	0	821	821	100 -	38	858	44100	44920
UN83637	Rsa1.0_00071.1	819	345714	1.00E-133	241	241	100 +	1	241	18738	18978
UN83638	Rsa1.0_01877.1	103	37789	8.00E-52	103	103	100 -	1	103	26749	26851
UN83639	Rsa1.0_03252.1	519	24338	1.00E-60	128	131	97 -	389	519	11560	11690
UN83640	Rsa1.0_00046.1	847	320315	1.00E-160	290	291	99 +	185	475	187069	187359
UN83641	Rsa1.0_00326.1	842	171955	0	820	845	97 +	1	842	78933	79777
UN83642	Rsa1.0_01827.1	860	143321	0	347	347	100 -	273	619	116230	116576
UN83643	Rsa1.0_13934.1	767	4061	0	527	548	96 +	163	699	3513	4059
UN83644	Rsa1.0_56469.1	817	405	1.00E-177	314	314	100 -	92	405	1	314
UN83645	Rsa1.0_00138.1	844	247040	0	632	632	100 +	1	632	43374	44005
UN83646	Rsa1.0_02568.1	812	30015	0	811	812	99 +	1	812	7494	8305
UN83647	Rsa1.0_01026.1	772	171624	0	695	695	100 -	1	695	45515	46209
UN83648	Rsa1.0_05305.1	783	14207	0	463	463	100 -	1	463	13315	13777
UN83649	Rsa1.0_21736.1	814	1176	0	779	814	95 +	1	814	106	914
UN83650	Rsa1.0_02221.1	805	33796	0	666	702	94 -	6	705	18434	19130
UN83651	Rsa1.0_00030.1	843	250988	1.00E-125	228	228	100 +	7	234	109025	109252
UN83652	Rsa1.0_02120.1	867	34819	0	489	490	99 +	379	867	11526	12015
UN83653	Rsa1.0_02295.1	344	149884	1.00E-161	334	350	95 -	1	344	19917	20266

UN83693	Rsa1.0.01169.1	936	51829	0	935	938	99 +	1	936	18839	19775
UN83694	Rsa1.0.09029.1	366	6700	1.00E-152	272	272	100 -	95	366	190	461
UN83695	Rsa1.0.01913.1	758	37363	0	515	553	93 -	1	546	24442	24982
UN83696	#	#	#	#	#	#	#	#	#	#	#
UN83697	Rsa1.0.00937.1	902	59061	8.00E-85	196	208	94 +	310	517	10693	10900
UN83698	Rsa1.0.01679.1	828	146876	0	817	817	100 +	8	824	112733	113549
UN83699	Rsa1.0.05194.1	564	14536	0	368	368	100 -	1	368	12917	13284
UN83700	Rsa1.0.04852.1	186	15712	1.00E-55	167	186	89 -	1	186	270	455
UN83701	Rsa1.0.47469.1	406	476	2.00E-86	162	162	100 +	245	406	192	353
UN83702	Rsa1.0.01388.1	679	46741	0	669	678	98 -	2	679	31587	32263
UN83703	Rsa1.0.02364.1	480	32137	0	480	480	100 +	1	480	14358	14837
UN83704	Rsa1.0.00103.1	895	135304	0	492	501	98 +	395	895	31023	31522
UN83705	Rsa1.0.06940.1	414	10137	0	414	414	100 +	1	414	7933	8346
UN83706	Rsa1.0.00262.1	818	101906	0	788	816	96 +	8	818	25274	26089
UN83707	#	#	#	#	#	#	#	#	#	#	#
UN83708	Rsa1.0.02232.1	628	33659	1.00E-142	256	256	100 +	373	628	4151	4406
UN83709	#	#	#	#	#	#	#	#	#	#	#
UN83710	Rsa1.0.14486.1	850	3339	0	822	850	96 +	1	850	1094	1943
UN83711	Rsa1.0.00227.1	884	105849	0	357	358	99 +	8	364	62920	63277
UN83712	Rsa1.0.00067.1	465	415055	0	465	465	100 +	1	465	312543	313007
UN83713	Rsa1.0.02169.1	840	34367	1.00E-119	217	217	100 +	26	242	30082	30298
UN83714	Rsa1.0.00395.1	420	214466	7.00E-62	256	301	85 +	3	303	82351	82651
UN83715	Rsa1.0.01676.1	886	41140	0	884	885	99 +	2	886	11012	11896
UN83716	Rsa1.0.00342.1	857	93695	0	583	592	98 -	269	857	53717	54308
UN83717	Rsa1.0.00099.1	823	159619	0	819	819	100 +	5	823	137070	137888
UN83718	Rsa1.0.00195.1	863	251884	0	795	801	99 -	1	799	106096	106896
UN83719	Rsa1.0.00210.1	814	108424	1.00E-154	352	377	93 +	1	377	65955	66331
UN83720	#	#	#	#	#	#	#	#	#	#	#
UN83721	Rsa1.0.13975.1	880	3968	0	873	881	99 +	1	880	2089	2966
UN83722	Rsa1.0.02693.1	667	28617	0	666	666	100 +	2	667	21170	21835
UN83723	Rsa1.0.08220.1	891	7701	0	673	746	90 -	146	891	3652	4364
UN83724	Rsa1.0.00218.1	595	201480	0	595	596	99 -	1	595	43614	44209
UN83725	Rsa1.0.00071.1	849	345714	0	346	347	99 +	1	347	23495	23841
UN83726	Rsa1.0.04541.1	380	16931	0	376	376	100 +	5	380	6283	6658
UN83727	Rsa1.0.02650.1	408	29047	0	408	408	100 -	1	408	3139	3546
UN83728	Rsa1.0.00483.1	692	81102	0	670	693	96 +	1	692	44038	44722
UN83729	Rsa1.0.02596.1	100	29709	5.00E-50	100	100	100 -	1	100	12534	12633
UN83730	Rsa1.0.00553.1	841	75983	0	834	834	100 +	8	841	39420	40253
UN83731	Rsa1.0.02792.1	821	27829	0	616	617	99 -	1	616	21307	21923

UN83732	Rsa1.0.00452.1	782	83201	0	782	782	100 -	1	782	57373	58154
UN83733	Rsa1.0.00070.1	837	150321	0	540	540	100 +	298	837	19080	19619
UN83734	Rsa1.0.00339.1	800	222974	0	799	800	99 +	1	800	36719	37518
UN83735	Rsa1.0.06154.1	911	11610	0	886	909	97 -	3	911	193	1099
UN83736	Rsa1.0.09422.1	895	6381	0	551	558	98 -	338	895	4573	5130
UN83737	Rsa1.0.00359.1	826	91256	0	784	815	96 +	12	826	76263	77071
UN83738	Rsa1.0.00252.1	786	102760	1.00E-120	268	285	94 -	1	283	64924	65198
UN83739	#	#	#	#	#	#	#	#	#	#	#
UN83740	#	#	#	#	#	#	#	#	#	#	#
UN83741	#	#	#	#	#	#	#	#	#	#	#
UN83742	Rsa1.0.44602.1	601	505	0	414	422	98 +	180	601	1	420
UN83743	Rsa1.0.01210.1	797	50663	1.00E-154	399	434	91 -	1	432	32069	32476
UN83744	#	#	#	#	#	#	#	#	#	#	#
UN83745	Rsa1.0.00018.1	914	410899	0	409	423	96 -	491	910	377994	378410
UN83746	Rsa1.0.02801.1	596	27749	0	345	351	98 +	6	354	6474	6824
UN83747	Rsa1.0.01410.1	422	46345	1.00E-126	254	260	97 +	159	415	30706	30965
UN83748	#	#	#	#	#	#	#	#	#	#	#
UN83749	Rsa1.0.02948.1	112	26526	6.00E-53	108	109	99 -	4	112	14637	14745
UN83750	#	#	#	#	#	#	#	#	#	#	#
UN83751	Rsa1.0.01768.1	401	138463	0	401	402	99 +	1	401	137645	138046
UN83752	Rsa1.0.14039.1	876	3883	0	536	539	99 +	1	539	2115	2652
UN83753	Rsa1.0.00620.1	819	71985	0	540	540	100 -	1	540	40154	40693
UN83754	Rsa1.0.00057.1	780	160473	0	439	460	95 +	187	637	10225	10683
UN83755	Rsa1.0.04415.1	737	147889	1.00E-153	286	290	98 +	1	290	141066	141355
UN83756	Rsa1.0.03620.1	887	21731	0	473	505	93 -	10	492	21140	21644
UN83757	Rsa1.0.02073.1	849	35386	0	646	668	96 -	18	685	3051	3718
UN83758	#	#	#	#	#	#	#	#	#	#	#
UN83759	Rsa1.0.11912.1	725	5372	0	353	358	98 +	1	357	457	810
UN83760	Rsa1.0.00019.1	702	301669	0	550	585	94 +	1	577	119737	120307
UN83761	Rsa1.0.03104.1	836	25374	0	830	832	99 -	5	836	11812	12643
UN83762	Rsa1.0.14068.1	587	3844	1.00E-177	314	314	100 +	274	587	1251	1564
UN83763	#	#	#	#	#	#	#	#	#	#	#
UN83764	Rsa1.0.00002.1	844	601661	0	843	844	99 -	1	844	494230	495073
UN83765	Rsa1.0.01411.1	807	46326	1.00E-144	298	310	96 -	1	307	7472	7781
UN83766	Rsa1.0.00084.1	538	142338	1.00E-104	246	264	93 +	1	264	127582	127845
UN83767	Rsa1.0.00022.1	528	200461	0	525	528	99 +	1	528	59690	60217
UN83768	Rsa1.0.00146.1	626	149343	0	622	626	99 +	1	626	139062	139684
UN83769	Rsa1.0.02215.1	817	33822	0	563	565	99 -	1	564	20442	21006
UN83770	Rsa1.0.00115.1	877	131321	0	877	878	99 -	1	877	110664	111541

UN83771	Rsa1.0.00961.1	887	58185	0	884	887	99 +	3	887	16366	17252
UN83772	Rsa1.0.00065.1	850	454616	1.00E-149	271	272	99 -	1	272	241908	242179
UN83773	Rsa1.0.00477.1	516	81556	4.00E-67	149	154	96 -	363	516	10596	10748
UN83774	#	#	#	#	#	#	#	#	#	#	#
UN83775	Rsa1.0.17358.1	864	1851	0	769	769	100 -	96	864	1083	1851
UN83776	Rsa1.0.00040.1	853	324196	0	586	586	100 +	1	586	209656	210241
UN83777	Rsa1.0.00182.1	207	142305	2.00E-97	202	208	97 -	1	207	119878	120085
UN83778	Rsa1.0.00277.1	854	100132	0	821	833	98 -	1	833	34574	35402
UN83779	Rsa1.0.00020.1	818	283099	0	814	816	99 -	3	818	63614	64429
UN83780	Rsa1.0.00646.1	574	70473	0	558	576	96 +	1	574	58326	58900
UN83781	Rsa1.0.00729.1	842	66690	0	841	841	100 -	2	842	27222	28062
UN83782	Rsa1.0.16156.1	400	2263	1.00E-167	301	302	99 +	99	400	1582	1883
UN83783	Rsa1.0.01437.1	854	45887	0	824	855	96 +	1	854	95	943
UN83784	Rsa1.0.00449.1	894	83863	0	332	332	100 -	8	339	56110	56441
UN83785	Rsa1.0.01344.1	451	142535	0	405	405	100 -	47	451	134313	134717
UN83786	Rsa1.0.00013.1	934	292129	0	566	566	100 +	150	715	226736	227301
UN83787	Rsa1.0.01855.1	785	38204	0	766	781	98 +	1	780	20320	21097
UN83788	Rsa1.0.00032.1	272	306326	1.00E-119	260	273	95 +	1	272	279508	279771
UN83789	Rsa1.0.06727.1	505	10455	0	394	394	100 -	112	505	5047	5440
UN83790	Rsa1.0.05573.1	504	13290	0	497	497	100 -	1	497	4157	4653
UN83791	Rsa1.0.03550.1	768	22154	0	710	736	96 +	36	768	13365	14096
UN83792	Rsa1.0.00372.1	868	90418	0	865	869	99 -	1	868	5514	6382
UN83793	Rsa1.0.00734.1	553	66508	0	553	553	100 +	1	553	35286	35838
UN83794	Rsa1.0.04834.1	859	15769	0	403	405	99 +	455	859	6326	6730
UN83795	Rsa1.0.11824.1	822	5396	0	507	541	93 -	1	537	3315	3847
UN83796	#	#	#	#	#	#	#	#	#	#	#
UN83797	#	#	#	#	#	#	#	#	#	#	#
UN83798	Rsa1.0.01909.1	793	37417	3.00E-81	437	524	83 -	35	550	29574	30087
UN83799	Rsa1.0.00699.1	840	184398	0	774	856	90 -	3	840	40641	41463
UN83800	Rsa1.0.01460.1	838	45255	1.00E-109	245	258	94 -	1	254	25454	25710
UN83801	Rsa1.0.01771.1	686	172709	0	460	460	100 +	227	686	164615	165074
UN83802	#	#	#	#	#	#	#	#	#	#	#
UN83803	Rsa1.0.00366.1	819	90880	1.00E-161	327	340	96 -	480	819	35455	35794
UN83804	Rsa1.0.69180.1	362	331	1.00E-81	175	182	96 +	173	354	80	261
UN83805	#	#	#	#	#	#	#	#	#	#	#
UN83806	Rsa1.0.01555.1	820	166456	0	810	821	98 +	1	820	39664	40484
UN83807	Rsa1.0.00078.1	819	175053	0	432	459	94 +	215	672	124277	124735
UN83808	Rsa1.0.00697.1	870	67913	1.00E-123	230	232	99 +	575	806	32936	33167
UN83809	Rsa1.0.00157.1	827	245832	0	823	828	99 +	1	827	29168	29993

UN83810	Rsa1.0.01422.1	742	46172	1.00E-177	402	431	93 -	201	628	14023	14447
UN83811	Rsa1.0.01376.1	780	47004	0	767	797	96 -	4	780	19264	20060
UN83812	Rsa1.0.00525.1	806	78030	0	806	806	100 +	1	806	38916	39721
UN83813	#	#	#	#	#	#	#	#	#	#	#
UN83814	Rsa1.0.00083.1	842	442773	1.00E-135	245	245	100 -	393	637	334662	334906
UN83815	Rsa1.0.00371.1	169	90463	5.00E-45	95	96	98 +	74	169	51743	51838
UN83816	Rsa1.0.00066.1	431	152418	0	430	431	99 +	1	431	90299	90729
UN83817	#	#	#	#	#	#	#	#	#	#	#
UN83818	Rsa1.0.00295.1	854	152597	1.00E-52	182	205	88 -	393	597	39751	39947
UN83819	Rsa1.0.02595.1	840	29715	0	836	837	99 +	5	840	13777	14613
UN83820	Rsa1.0.00056.1	824	332604	0	386	390	98 -	184	573	89109	89498
UN83821	Rsa1.0.04552.1	249	16878	1.00E-119	241	249	96 +	1	249	6821	7069
UN83822	Rsa1.0.00240.1	509	104175	0	509	510	99 -	1	509	23367	23876
UN83823	#	#	#	#	#	#	#	#	#	#	#
UN83824	Rsa1.0.00022.1	744	200461	0	535	554	96 -	59	606	34978	35531
UN83825	#	#	#	#	#	#	#	#	#	#	#
UN83826	Rsa1.0.02615.1	638	29547	1.00E-149	268	268	100 -	371	638	15679	15946
UN83827	Rsa1.0.01732.1	550	40194	0	548	548	100 +	3	550	37265	37812
UN83828	Rsa1.0.00055.1	814	520193	0	643	643	100 -	1	643	369497	370139
UN83829	Rsa1.0.00460.1	851	206387	0	807	861	93 -	2	851	200119	200967
UN83830	Rsa1.0.00300.1	781	97747	0	754	784	96 +	3	776	82406	83188
UN83831	Rsa1.0.01735.1	855	40128	0	855	871	98 -	1	855	12348	13218
UN83832	Rsa1.0.03529.1	817	22277	1.00E-102	447	533	83 -	99	631	16018	16550
UN83833	Rsa1.0.00307.1	852	199003	0	850	852	99 -	1	852	59279	60130
UN83834	Rsa1.0.01868.1	844	150904	0	518	546	94 -	300	844	23723	24264
UN83835	Rsa1.0.00293.1	795	339294	0	554	554	100 -	2	555	314779	315332
UN83836	Rsa1.0.02659.1	740	28971	0	392	392	100 +	5	396	10822	11213
UN83837	Rsa1.0.00162.1	814	239935	0	803	813	98 +	2	814	26630	27442
UN83838	Rsa1.0.00332.1	874	94575	0	491	498	98 -	1	496	59905	60402
UN83839	Rsa1.0.02269.1	372	33168	0	372	373	99 -	1	372	8972	9344
UN83840	#	#	#	#	#	#	#	#	#	#	#
UN83841	Rsa1.0.23904.1	850	1018	0	798	838	95 -	29	850	59	882
UN83842	Rsa1.0.01677.1	617	41140	0	418	434	96 +	3	436	36608	37041
UN83843	Rsa1.0.03754.1	857	21005	0	547	556	98 +	309	857	7138	7692
UN83844	Rsa1.0.02663.1	864	169243	0	647	647	100 +	218	864	20800	21446
UN83845	Rsa1.0.03938.1	659	19965	0	637	661	96 -	1	659	7624	8284
UN83846	#	#	#	#	#	#	#	#	#	#	#
UN83847	Rsa1.0.00438.1	844	84861	1.00E-134	258	263	98 -	15	277	49353	49615
UN83848	Rsa1.0.03921.1	829	20080	0	829	829	100 -	1	829	3644	4472

UN83849	#	#	#	#	#	#	#	#	#	#	#	#	#
UN83850	Rsa1.0_01411.1	883	46326	1.00E-165	310	315	98 -	569	883	6452	6766		
UN83851	#	#	#	#	#	#	#	#	#	#	#	#	#
UN83852	Rsa1.0_01602.1	544	42503	0	540	544	99 +	1	544	35795	36336		
UN83853	Rsa1.0_02301.1	792	32835	0	765	789	96 -	9	792	4567	5355		
UN83854	Rsa1.0_00807.1	754	63607	0	521	562	92 +	209	754	61592	62144		
UN83855	Rsa1.0_01937.1	807	37147	0	468	469	99 -	2	470	17520	17988		
UN83856	Rsa1.0_39138.1	795	575	0	390	390	100 -	1	390	1	390		
UN83857	Rsa1.0_00715.1	861	67116	0	438	470	93 -	408	861	30497	30965		
UN83858	#	#	#	#	#	#	#	#	#	#	#	#	#
UN83859	Rsa1.0_00674.1	888	193753	0	357	359	99 +	25	383	180793	181151		
UN83860	Rsa1.0_00220.1	498	192936	0	413	413	100 -	86	498	152957	153369		
UN83861	Rsa1.0_00286.1	860	98709	0	666	718	92 +	139	848	64240	64931		
UN83862	Rsa1.0_00249.1	843	153740	0	791	792	99 -	52	843	30801	31592		
UN83863	#	#	#	#	#	#	#	#	#	#	#	#	#
UN83864	Rsa1.0_13633.1	518	4605	1.00E-123	224	224	100 +	295	518	1778	2001		
UN83865	Rsa1.0_44589.1	921	505	1.00E-162	375	402	93 +	368	768	34	435		
UN83866	Rsa1.0_01004.1	630	56975	0	474	474	100 +	157	630	2624	3097		
UN83867	Rsa1.0_00884.1	557	61150	0	556	558	99 +	1	557	20338	20895		
UN83868	Rsa1.0_00127.1	921	127446	0	886	930	95 -	1	921	40223	41141		
UN83869	Rsa1.0_00224.1	501	327530	1.00E-23	99	113	87 +	294	406	192706	192818		
UN83870	Rsa1.0_07930.1	830	8239	0	826	828	99 +	3	830	6979	7806		
UN83871	Rsa1.0_01923.1	754	37233	0	754	755	99 -	1	754	23421	24175		
UN83872	Rsa1.0_01919.1	887	37272	0	885	887	99 +	1	887	19825	20710		
UN83873	Rsa1.0_13955.1	856	4013	0	847	848	99 +	10	856	1246	2093		
UN83874	#	#	#	#	#	#	#	#	#	#	#	#	#
UN83875	Rsa1.0_22508.1	847	1115	0	434	435	99 -	61	495	671	1105		
UN83876	Rsa1.0_00038.1	847	314568	0	778	809	96 -	40	847	261796	262604		
UN83877	Rsa1.0_02273.1	819	140964	1.00E-104	192	192	100 +	475	666	9669	9860		
UN83878	Rsa1.0_00904.1	866	180594	0	429	438	97 -	1	437	177571	178008		
UN83879	Rsa1.0_03799.1	841	20775	0	329	330	99 +	512	841	5590	5919		
UN83880	#	#	#	#	#	#	#	#	#	#	#	#	#
UN83881	Rsa1.0_01059.1	786	55410	1.00E-126	253	260	97 +	398	654	14510	14769		
UN83882	Rsa1.0_00102.1	773	135497	0	581	585	99 -	4	588	26433	27017		
UN83883	Rsa1.0_00119.1	792	467509	0	514	524	98 -	7	530	56932	57453		
UN83884	Rsa1.0_01575.1	533	42924	0	509	531	95 +	8	533	1067	1597		
UN83885	Rsa1.0_00002.1	700	601661	0	700	702	99 -	1	700	288715	289416		
UN83886	#	#	#	#	#	#	#	#	#	#	#	#	#
UN83887	Rsa1.0_01409.1	812	151595	0	811	813	99 +	1	812	117331	118143		

UN83927	Rsa1.0_05925.1	846	12221	1.00E-110	232	242	95 -	375	616	9967	10208
UN83928	Rsa1.0_00816.1	693	403350	1.00E-166	400	435	91 -	265	693	120884	121303
UN83929	#	#	#	#	#	#	#	#	#	#	#
UN83930	Rsa1.0_00059.1	866	159650	0	748	760	98 -	113	866	133925	134684
UN83931	Rsa1.0_07490.1	818	9261	0	811	811	100 -	8	818	5279	6089
UN83932	Rsa1.0_03600.1	712	21857	0	480	480	100 +	233	712	1928	2407
UN83933	Rsa1.0_00064.1	831	240927	0	829	829	100 -	3	831	27692	28520
UN83934	Rsa1.0_00546.1	791	76523	0	785	785	100 +	7	791	45707	46491
UN83935	Rsa1.0_00271.1	779	101125	1.00E-175	311	311	100 -	469	779	26755	27065
UN83936	Rsa1.0_01017.1	812	56714	0	581	585	99 -	228	812	31353	31937
UN83937	Rsa1.0_06130.1	450	11667	2.00E-53	190	217	87 +	158	373	5313	5522
UN83938	Rsa1.0_01575.1	750	42924	0	750	751	99 -	1	750	37045	37795
UN83939	Rsa1.0_08427.1	735	7371	0	364	364	100 +	10	373	5378	5741
UN83940	#	#	#	#	#	#	#	#	#	#	#
UN83941	Rsa1.0_00261.1	638	151157	0	633	638	99 -	1	638	70333	70970
UN83942	Rsa1.0_04067.1	656	19256	0	654	654	100 +	3	656	18505	19158
UN83943	Rsa1.0_02191.1	519	34078	0	519	519	100 -	1	519	4454	4972
UN83944	Rsa1.0_00783.1	855	64459	0	832	851	97 +	5	855	8421	9271
UN83945	Rsa1.0_00392.1	306	88523	1.00E-157	302	307	98 -	1	306	79613	79917
UN83946	Rsa1.0_00087.1	804	761073	1.00E-123	225	225	100 +	301	525	224913	225137
UN83947	Rsa1.0_02562.1	859	30061	1.00E-160	289	290	99 +	79	368	26310	26599
UN83948	Rsa1.0_00100.1	839	249232	0	424	424	100 +	1	424	134969	135392
UN83949	Rsa1.0_06392.1	535	11104	0	531	536	99 +	1	535	38	573
UN83950	Rsa1.0_06757.1	698	10411	0	665	666	99 +	33	698	3120	3785
UN83951	Rsa1.0_00007.1	816	239325	5.00E-89	223	237	94 +	304	539	183063	183294
UN83952	Rsa1.0_11330.1	846	5542	1.00E-141	254	254	100 -	280	533	564	817
UN83953	Rsa1.0_14203.1	903	3670	0	436	441	98 +	300	740	1903	2342
UN83954	Rsa1.0_04208.1	868	18444	0	346	346	100 +	1	346	16931	17276
UN83955	Rsa1.0_06521.1	905	10856	0	753	756	99 +	1	754	8732	9487
UN83956	Rsa1.0_01376.1	878	47004	0	358	358	100 -	392	749	22866	23223
UN83957	Rsa1.0_01134.1	843	52829	0	806	844	95 +	1	843	31025	31856
UN83958	Rsa1.0_08149.1	872	7833	1.00E-122	222	222	100 -	2	223	6005	6226
UN83959	Rsa1.0_01967.1	831	36672	1.00E-169	304	305	99 +	1	305	12946	13250
UN83960	Rsa1.0_00615.1	859	72235	0	434	435	99 +	392	826	40336	40770
UN83961	Rsa1.0_00416.1	846	86772	0	523	523	100 +	238	760	64686	65208
UN83962	Rsa1.0_01553.1	855	43379	0	409	409	100 +	371	779	12672	13080
UN83963	Rsa1.0_13716.1	861	4433	0	843	861	97 +	1	861	327	1181
UN83964	Rsa1.0_01473.1	808	45094	0	515	515	100 +	146	660	14934	15448
UN83965	Rsa1.0_05354.1	868	14073	0	490	490	100 +	326	815	1333	1822

UN83966	Rsa1.0_04021.1	846	19536	0	819	866	94 -	1	846	12137	12994
UN83967	Rsa1.0_00413.1	822	86921	0	790	816	96 -	1	814	39015	39817
UN83968	Rsa1.0_00085.1	901	142226	0	847	847	100 -	55	901	80557	81403
UN83969	Rsa1.0_35196.1	868	643	0	409	427	95 +	172	585	217	643
UN83970	Rsa1.0_01645.1	887	41748	0	356	357	99 +	1	356	34803	35159
UN83971	Rsa1.0_21539.1	583	1194	1.00E-143	290	301	96 -	256	556	404	704
UN83972	Rsa1.0_02353.1	664	32300	0	624	631	98 -	34	664	30078	30701
UN83973	Rsa1.0_00015.1	893	561803	0	880	894	98 -	2	893	222926	223819
UN83974	Rsa1.0_00963.1	800	58176	0	800	800	100 -	1	800	30872	31671
UN83975	Rsa1.0_07913.1	850	8303	0	325	325	100 +	1	325	1121	1445
UN83976	Rsa1.0_00947.1	874	58664	0	493	493	100 +	1	493	47319	47811
UN83977	Rsa1.0_01316.1	828	48325	0	828	829	99 -	1	828	18314	19142
UN83978	Rsa1.0_04755.1	841	16121	0	723	784	92 -	64	841	14809	15592
UN83979	Rsa1.0_01958.1	145	261128	1.00E-51	109	111	98 +	35	145	118912	119022
UN83980	Rsa1.0_00209.1	872	108531	1.00E-149	268	268	100 +	302	569	65934	66201
UN83981	Rsa1.0_01243.1	872	50061	0	484	490	98 +	1	488	45920	46409
UN83982	Rsa1.0_02963.1	824	26407	1.00E-15	56	60	93 -	412	471	4660	4719
UN83983	Rsa1.0_00077.1	804	145005	0	378	384	98 +	162	545	134031	134411
UN83984	Rsa1.0_00605.1	865	73199	0	380	380	100 +	83	462	19132	19511
UN83985	Rsa1.0_01001.1	864	57077	0	588	591	99 +	238	828	21030	21620
UN83986	Rsa1.0_00124.1	284	262503	2.00E-89	202	213	94 -	63	275	78169	78378
UN83987	Rsa1.0_00361.1	862	91181	0	862	864	99 +	1	862	35918	36781
UN83988	Rsa1.0_00228.1	903	105511	0	575	575	100 -	329	903	1277	1851
UN83989	Rsa1.0_00801.1	407	63861	1.00E-173	307	307	100 -	1	307	24598	24904
UN83990	Rsa1.0_00108.1	698	478491	0	367	367	100 +	130	496	166692	167058
UN83991	Rsa1.0_00040.1	822	324196	0	822	822	100 -	1	822	62741	63562
UN83992	Rsa1.0_00340.1	840	305782	1.00E-128	233	233	100 -	121	353	16175	16407
UN83993	Rsa1.0_00885.1	891	61088	0	550	571	96 -	333	891	7647	8217
UN83994	Rsa1.0_00606.1	146	73150	2.00E-53	136	146	93 +	1	146	30466	30611
UN83995	Rsa1.0_00700.1	841	67699	0	840	841	99 -	1	841	12356	13196
UN83996	Rsa1.0_01759.1	881	39745	1.00E-89	174	176	98 -	2	177	12411	12586
UN83997	Rsa1.0_00102.1	844	135497	0	484	487	99 -	7	493	28590	29076
UN83998	Rsa1.0_00069.1	129	403561	9.00E-34	79	81	97 +	3	83	77289	77369
UN83999	Rsa1.0_10379.1	287	5866	1.00E-161	287	287	100 -	1	287	43	329
UN84000	Rsa1.0_00527.1	886	77733	0	413	413	100 +	1	413	3663	4075
UN84001	Rsa1.0_00009.1	832	232558	0	824	833	98 +	3	832	186499	187327
UN84002	Rsa1.0_06272.1	869	11351	1.00E-24	194	239	81 -	189	427	10037	10275
UN84003	Rsa1.0_02481.1	694	31035	1.00E-64	169	182	92 -	1	181	30266	30447
UN84004	Rsa1.0_00094.1	704	139042	0	573	581	98 +	124	704	90319	90899

UN84005	Rsa1.0_01244.1	286	50061	1.00E-160	286	286	100 +	1	286	40434	40719
UN84006	Rsa1.0_46620.1	558	484	7.00E-78	174	180	96 -	1	178	1	180
UN84007	Rsa1.0_00701.1	700	67691	0	405	405	100 +	1	405	21569	21973
UN84008	Rsa1.0_01488.1	565	44766	0	447	460	97 -	106	565	7414	7873
UN84009	Rsa1.0_00939.1	633	185227	0	450	450	100 +	169	618	44321	44770
UN84010	Rsa1.0_03194.1	635	24674	1.00E-163	390	422	92 -	235	635	2760	3180
UN84011	Rsa1.0_04422.1	732	17423	0	722	722	100 -	11	732	1879	2600
UN84012	Rsa1.0_01310.1	738	164719	0	642	660	97 +	1	656	8732	9391
UN84013	Rsa1.0_00613.1	708	209993	0	704	706	99 +	3	708	190879	191584
UN84014	Rsa1.0_00001.1	712	363028	0	611	611	100 -	102	712	291454	292064
UN84015	Rsa1.0_00281.1	650	99908	1.00E-165	295	295	100 +	1	295	82499	82793
UN84016	#	#	#	#	#	#	#	#	#	#	#
UN84017	Rsa1.0_00338.1	680	94109	2.00E-82	223	244	91 -	436	678	4625	4868
UN84018	Rsa1.0_14100.1	666	3809	1.00E-180	329	331	99 -	11	340	1137	1467
UN84019	Rsa1.0_00649.1	606	70263	0	396	396	100 -	211	606	5728	6123
UN84020	Rsa1.0_00006.1	644	396176	1.00E-159	284	284	100 -	1	284	305844	306127
UN84021	Rsa1.0_00251.1	682	303968	1.00E-175	311	311	100 -	322	632	53534	53844
UN84022	Rsa1.0_01424.1	757	46139	0	718	753	95 +	1	752	40545	41297
UN84023	Rsa1.0_06852.1	576	10265	0	457	458	99 +	119	576	4327	4784
UN84024	Rsa1.0_04538.1	108	16940	5.00E-41	102	107	95 +	5	108	8007	8113
UN84025	Rsa1.0_03035.1	705	25827	0	393	393	100 +	1	393	967	1359
UN84026	Rsa1.0_00663.1	490	164969	0	377	377	100 +	114	490	98452	98828
UN84027	Rsa1.0_01749.1	525	39822	1.00E-156	366	393	93 +	1	392	35329	35713
UN84028	Rsa1.0_00019.1	739	301669	0	336	339	99 -	401	739	110629	110967
UN84029	Rsa1.0_00782.1	773	64468	0	679	679	100 +	95	773	29571	30249
UN84030	Rsa1.0_00458.1	140	82717	1.00E-54	114	116	98 +	2	117	21531	21646
UN84031	Rsa1.0_02977.1	196	26313	4.00E-43	123	129	95 -	72	196	15109	15237
UN84032	Rsa1.0_25426.1	615	936	0	360	360	100 -	1	360	1	360
UN84033	Rsa1.0_00213.1	779	108167	0	491	491	100 -	289	779	23193	23683
UN84034	#	#	#	#	#	#	#	#	#	#	#
UN84035	Rsa1.0_00452.1	256	83201	5.00E-46	106	110	96 -	4	113	16704	16813
UN84036	Rsa1.0_00158.1	637	117999	0	607	632	96 +	6	637	22738	23352
UN84037	Rsa1.0_00394.1	484	148426	0	464	491	94 +	1	484	138972	139459
UN84038	Rsa1.0_04184.1	219	18598	1.00E-24	73	78	93 +	48	125	4010	4087
UN84039	Rsa1.0_21800.1	149	1172	2.00E-75	143	143	100 +	7	149	681	823
UN84040	Rsa1.0_00476.1	639	280966	0	636	640	99 -	1	639	230572	231210
UN84041	Rsa1.0_22202.1	750	1142	0	701	735	95 -	1	727	375	1104
UN84042	Rsa1.0_04425.1	268	17406	1.00E-136	263	268	98 -	1	268	10049	10314
UN84043	Rsa1.0_09508.1	892	6326	0	859	861	99 -	1	861	4846	5706

UN84044	Rsa1.0.06064.1	704	11832	0	681	706	96 +	1	704	1906	2610
UN84045	Rsa1.0.05654.1	787	13042	0	787	788	99 -	1	787	8223	9010
UN84046	Rsa1.0.00671.1	871	397884	0	647	647	100 -	1	647	246549	247195
UN84047	Rsa1.0.01316.1	428	48325	1.00E-175	311	311	100 +	118	428	37901	38211
UN84048	Rsa1.0.00007.1	923	239325	0	923	924	99 -	1	923	29842	30765
UN84049	Rsa1.0.02983.1	874	26268	0	872	876	99 +	1	874	1528	2403
UN84050	Rsa1.0.07437.1	494	9394	0	492	492	100 +	3	494	5291	5782
UN84051	Rsa1.0.00433.1	735	85381	1.00E-166	296	296	100 -	440	735	65182	65477
UN84052	Rsa1.0.00601.1	618	177045	0	338	338	100 -	281	618	126611	126948
UN84053	Rsa1.0.00892.1	873	60703	0	872	885	98 +	1	873	17199	18083
UN84054	Rsa1.0.00188.1	465	112020	0	465	467	99 -	1	465	93706	94172
UN84055	Rsa1.0.01556.1	914	163858	0	712	714	99 +	202	914	24949	25662
UN84056	Rsa1.0.04290.1	418	18063	0	418	418	100 +	1	418	6308	6725
UN84057	Rsa1.0.00518.1	852	78360	1.00E-58	119	120	99 +	665	784	17278	17397
UN84058	#	#	#	#	#	#	#	#	#	#	#
UN84059	Rsa1.0.00089.1	484	406142	0	484	484	100 -	1	484	288728	289211
UN84060	#	#	#	#	#	#	#	#	#	#	#
UN84061	Rsa1.0.03997.1	858	19652	1.00E-142	348	382	91 -	1	361	11457	11838
UN84062	Rsa1.0.04938.1	660	15398	0	648	653	99 +	8	660	14437	15086
UN84063	Rsa1.0.59256.1	545	386	3.00E-86	201	214	93 +	109	322	1	214
UN84064	#	#	#	#	#	#	#	#	#	#	#
UN84065	Rsa1.0.02209.1	878	33873	0	878	879	99 -	1	878	10302	11180
UN84066	Rsa1.0.00257.1	857	102407	0	596	607	98 +	252	857	47317	47923
UN84067	Rsa1.0.00362.1	802	299497	0	556	587	94 +	7	587	222685	223271
UN84068	Rsa1.0.03027.1	462	25883	8.00E-62	206	232	88 -	16	232	24444	24672
UN84069	Rsa1.0.01707.1	853	40686	0	537	539	99 +	315	853	7184	7722
UN84070	Rsa1.0.09180.1	901	6578	0	581	581	100 +	1	581	4354	4934
UN84071	Rsa1.0.02468.1	820	31122	0	817	818	99 -	3	820	25989	26805
UN84072	Rsa1.0.00753.1	616	65705	0	616	616	100 +	1	616	30028	30643
UN84073	Rsa1.0.04789.1	550	15981	0	527	544	96 +	11	550	10016	10559
UN84074	Rsa1.0.00016.1	355	831256	1.00E-166	340	355	95 +	1	355	244982	245336
UN84075	Rsa1.0.00368.1	573	90669	0	565	565	100 +	9	573	85141	85705
UN84076	#	#	#	#	#	#	#	#	#	#	#
UN84077	Rsa1.0.00333.1	821	94500	0	812	813	99 +	9	821	76358	77170
UN84078	Rsa1.0.00457.1	827	337301	0	808	828	97 +	1	827	143580	144407
UN84079	Rsa1.0.02362.1	640	32190	1.00E-163	292	292	100 -	349	640	24854	25145
UN84080	Rsa1.0.01179.1	818	51549	0	818	818	100 -	1	818	24857	25674
UN84081	Rsa1.0.03258.1	244	24302	1.00E-128	241	244	98 +	1	244	8003	8246
UN84082	Rsa1.0.02273.1	775	140964	1.00E-105	194	194	100 +	481	674	9669	9862

UN84083	Rsa1.0.06438.1	578	11017	0	461	492	93 +	65	547	1531	2018
UN84084	Rsa1.0.02960.1	900	26440	0	562	562	100 +	339	900	8454	9015
UN84085	Rsa1.0.01555.1	842	166456	0	783	846	92 +	1	842	13571	14403
UN84086	Rsa1.0.01501.1	847	44532	1.00E-129	235	235	100 -	275	509	37739	37973
UN84087	Rsa1.0.07959.1	554	8173	1.00E-138	314	334	94 -	221	554	5587	5919
UN84088	Rsa1.0.00878.1	904	330303	0	904	905	99 -	1	904	19810	20714
UN84089	Rsa1.0.38047.1	781	592	0	338	338	100 +	100	437	255	592
UN84090	Rsa1.0.00991.1	896	143101	0	827	827	100 +	70	896	32146	32972
UN84091	Rsa1.0.11311.1	832	5548	0	777	805	96 -	34	832	2813	3616
UN84092	Rsa1.0.01510.1	344	44237	1.00E-143	326	345	94 -	1	344	31934	32270
UN84093	Rsa1.0.21111.1	767	1233	0	448	448	100 +	1	448	786	1233
UN84094	Rsa1.0.01963.1	780	36719	0	766	779	98 +	1	779	413	1180
UN84095	Rsa1.0.01431.1	825	167877	0	807	828	97 +	1	825	29519	30344
UN84096	Rsa1.0.01204.1	845	50843	0	845	845	100 +	1	845	33826	34670
UN84097	Rsa1.0.02072.1	516	35401	1.00E-164	292	292	100 +	225	516	24694	24985
UN84098	Rsa1.0.05578.1	486	13284	0	431	442	97 -	1	442	2692	3133
UN84099	Rsa1.0.04462.1	314	17250	2.00E-70	225	255	88 +	51	305	13637	13891
UN84100	Rsa1.0.00093.1	914	214962	0	550	551	99 +	365	914	172892	173442
UN84101	Rsa1.0.03160.1	880	24916	0	789	807	97 +	77	880	1010	1813
UN84102	#	#	#	#	#	#	#	#	#	#	#
UN84103	Rsa1.0.01980.1	137	36544	1.00E-57	132	137	96 -	1	137	31521	31656
UN84104	Rsa1.0.00246.1	600	103541	0	600	600	100 +	1	600	42071	42670
UN84105	#	#	#	#	#	#	#	#	#	#	#
UN84106	Rsa1.0.00048.1	684	167185	0	368	368	100 -	155	522	136501	136868
UN84107	Rsa1.0.04852.1	644	15712	0	631	644	97 -	1	644	48	691
UN84108	Rsa1.0.04027.1	501	19501	0	498	498	100 -	4	501	8210	8707
UN84109	#	#	#	#	#	#	#	#	#	#	#
UN84110	Rsa1.0.06993.1	809	10059	0	519	519	100 +	3	521	6391	6909
UN84111	Rsa1.0.00713.1	806	158017	0	561	583	96 -	226	806	4197	4774
UN84112	Rsa1.0.02607.1	836	29629	1.00E-12	51	55	92 -	26	80	29254	29308
UN84113	Rsa1.0.02054.1	615	35548	1.00E-180	319	319	100 +	1	319	34829	35147
UN84114	Rsa1.0.01753.1	871	39794	0	869	871	99 -	1	871	21530	22400
UN84115	Rsa1.0.00720.1	519	66931	0	519	519	100 -	1	519	23158	23676
UN84116	Rsa1.0.01047.1	351	55705	0	351	352	99 -	1	351	12647	12998
UN84117	Rsa1.0.03334.1	839	23659	0	833	849	98 +	1	839	19352	20199
UN84118	#	#	#	#	#	#	#	#	#	#	#
UN84119	Rsa1.0.00285.1	846	149638	0	490	490	100 -	7	496	109701	110190
UN84120	Rsa1.0.00352.1	899	92266	0	898	899	99 -	1	899	40696	41594
UN84121	Rsa1.0.02377.1	525	31994	0	520	521	99 +	5	525	19535	20055

UN84122	#	#	#	#	#	#	#	#	#	#	#	#	#
UN84123	Rsa1.0.02746.1		632	28256	0	630	632	99 -		1	632	904	1535
UN84124	Rsa1.0.03127.1		158	25191	4.00E-70	150	154	97 -		5	158	11381	11533
UN84125	#	#	#	#	#	#	#	#	#	#	#	#	#
UN84126	Rsa1.0.04806.1		375	15898	1.00E-149	268	268	100 +		1	268	9338	9605
UN84127	Rsa1.0.01605.1		886	42442	0	627	627	100 +		88	714	34371	34997
UN84128	Rsa1.0.00093.1		880	214962	0	840	840	100 +		41	880	115518	116357
UN84129	Rsa1.0.00235.1		486	154696	1.00E-106	210	212	99 +		24	235	143836	144045
UN84130	Rsa1.0.00255.1		694	204967	0	677	695	97 -		1	694	164986	165679
UN84131	Rsa1.0.00165.1		675	116466	1.00E-140	260	261	99 +		8	267	75122	75382
UN84132	Rsa1.0.03414.1		694	23125	0	654	655	99 +		40	694	20779	21433
UN84133	Rsa1.0.21880.1		615	1167	0	354	354	100 -		1	354	1	354
UN84134	Rsa1.0.04488.1		745	17155	0	720	735	97 +		11	745	12157	12891
UN84135	Rsa1.0.00185.1		683	248445	0	494	496	99 +		188	683	214700	215195
UN84136	Rsa1.0.01190.1		830	194501	1.00E-145	271	274	98 +		557	830	27501	27774
UN84137	Rsa1.0.03626.1		330	160993	1.00E-59	222	257	86 -		1	257	7202	7458
UN84138	Rsa1.0.03001.1		106	26108	2.00E-15	65	69	94 -		31	99	7156	7220
UN84139	Rsa1.0.02496.1		749	30814	0	717	755	94 +		12	749	12435	13189
UN84140	Rsa1.0.00963.1		556	58176	0	367	367	100 -		1	367	8415	8781
UN84141	Rsa1.0.00807.1		887	63607	0	337	337	100 -		139	475	22594	22930
UN84142	Rsa1.0.26052.1		463	908	1.00E-153	277	278	99 +		186	463	1	278
UN84143	Rsa1.0.00630.1		771	71281	0	372	373	99 +		1	372	68952	69324
UN84144	Rsa1.0.04507.1		869	17045	0	868	869	99 +		1	869	6728	7596
UN84145	Rsa1.0.01377.1		827	46967	0	526	532	98 +		6	537	13170	13695
UN84146	Rsa1.0.00173.1		849	288743	5.00E-43	96	98	97 -		500	597	36963	37060
UN84147	Rsa1.0.04128.1		820	18927	0	798	820	97 +		1	820	17638	18454
UN84148	Rsa1.0.00181.1		547	114269	0	543	546	99 -		4	547	94455	95000
UN84149	Rsa1.0.03795.1		486	20818	1.00E-121	220	220	100 +		267	486	1274	1493
UN84150	Rsa1.0.31340.1		813	729	0	713	729	97 -		39	767	1	729
UN84151	Rsa1.0.00320.1		355	95784	1.00E-168	341	355	96 +		1	355	48328	48682
UN84152	#	#	#	#	#	#	#	#	#	#	#	#	#
UN84153	Rsa1.0.04049.1		502	19385	0	496	496	100 +		7	502	17909	18404
UN84154	Rsa1.0.00428.1		877	85599	0	758	761	99 +		4	764	3561	4321
UN84155	Rsa1.0.00085.1		424	142226	0	424	424	100 +		1	424	26808	27231
UN84156	Rsa1.0.00538.1		608	77149	0	464	509	91 +		1	488	63975	64483
UN84157	Rsa1.0.01006.1		823	163670	0	822	836	98 -		1	823	136438	137273
UN84158	Rsa1.0.00078.1		364	175053	1.00E-164	347	364	95 +		1	364	66482	66844
UN84159	Rsa1.0.00296.1		780	97854	0	633	633	100 +		1	633	93327	93959
UN84160	Rsa1.0.04970.1		457	15277	0	439	462	95 +		1	457	10634	11087

UN84161	Rsa1.0.22400.1	784	1124	0	637	637	100 +	1	637	483	1119
UN84162	Rsa1.0.03590.1	813	21889	0	401	403	99 -	1	403	16129	16531
UN84163	Rsa1.0.05577.1	610	13284	1.00E-149	274	276	99 -	95	370	201	476
UN84164	Rsa1.0.00550.1	685	210790	0	370	370	100 +	11	380	182037	182406
UN84165	Rsa1.0.02569.1	416	30002	1.00E-136	248	249	99 +	168	416	25185	25433
UN84166	Rsa1.0.00978.1	747	57739	0	609	652	93 +	6	630	37245	37895
UN84167	Rsa1.0.07712.1	650	8731	0	422	424	99 -	7	430	7583	8006
UN84168	Rsa1.0.02592.1	679	29751	4.00E-83	157	157	100 -	1	157	11182	11338
UN84169	Rsa1.0.00201.1	751	232851	0	751	751	100 -	1	751	19105	19855
UN84170	Rsa1.0.01104.1	708	285480	1.00E-164	351	371	94 +	5	366	125096	125463
UN84171	Rsa1.0.01854.1	774	38237	0	758	774	97 -	1	774	11446	12219
UN84172	Rsa1.0.00136.1	620	122464	1.00E-128	297	315	94 +	1	313	107830	108141
UN84173	Rsa1.0.00439.1	655	142776	0	629	666	94 -	11	648	117607	118272
UN84174	Rsa1.0.02734.1	708	28344	0	707	708	99 +	2	708	1089	1796
UN84175	Rsa1.0.00001.1	128	363028	8.00E-28	73	75	97 -	23	96	266935	267009
UN84176	Rsa1.0.02245.1	692	33478	0	485	502	96 +	191	692	9971	10471
UN84177	Rsa1.0.00340.1	897	305782	0	889	903	98 +	5	897	268772	269674
UN84178	Rsa1.0.02792.1	115	27829	1.00E-54	115	116	99 -	1	115	6254	6369
UN84179	#	#	#	#	#	#	#	#	#	#	#
UN84180	Rsa1.0.00831.1	525	62673	0	475	488	97 +	1	487	44406	44893
UN84181	Rsa1.0.74750.1	173	307	2.00E-87	163	163	100 +	11	173	2	164
UN84182	#	#	#	#	#	#	#	#	#	#	#
UN84183	Rsa1.0.00252.1	862	102760	0	861	862	99 -	1	862	10139	11000
UN84184	Rsa1.0.00635.1	843	175826	1.00E-71	147	150	98 +	282	431	896	1045
UN84185	Rsa1.0.10708.1	764	5750	0	764	765	99 +	1	764	4705	5469
UN84186	Rsa1.0.02273.1	858	140964	0	605	606	99 +	1	606	23069	23674
UN84187	Rsa1.0.05087.1	797	14885	1.00E-165	330	341	96 -	7	346	2360	2694
UN84188	#	#	#	#	#	#	#	#	#	#	#
UN84189	#	#	#	#	#	#	#	#	#	#	#
UN84190	Rsa1.0.00205.1	656	193401	0	655	656	99 +	1	656	168730	169384
UN84191	Rsa1.0.00384.1	153	89278	2.00E-69	148	153	96 -	1	153	24237	24389
UN84192	Rsa1.0.00686.1	282	68511	1.00E-151	271	271	100 -	12	282	47308	47578
UN84193	Rsa1.0.14512.1	450	3316	0	436	450	96 -	1	450	2853	3301
UN84194	Rsa1.0.02505.1	756	30703	0	730	768	95 -	1	756	29668	30420
UN84195	#	#	#	#	#	#	#	#	#	#	#
UN84196	Rsa1.0.00128.1	657	228675	0	359	359	100 +	299	657	16085	16443
UN84197	Rsa1.0.02340.1	700	32388	0	454	466	97 -	62	527	14485	14950
UN84198	Rsa1.0.01511.1	681	44235	0	662	663	99 -	20	681	20104	20766
UN84199	Rsa1.0.01409.1	702	151595	0	701	701	100 +	2	702	136644	137344

UN84200	Rsa1.0.01410.1	680	46345	1.00E-168	300	300	100 +	1	300	7183	7482
UN84201	Rsa1.0.00006.1	749	396176	0	732	761	96 -	1	749	192981	193741
UN84202	Rsa1.0.02939.1	671	26595	0	627	627	100 +	1	627	19927	20553
UN84203	Rsa1.0.01134.1	733	52829	0	588	601	97 -	10	610	20719	21319
UN84204	Rsa1.0.00037.1	618	307838	1.00E-100	185	185	100 -	8	192	307235	307419
UN84205	Rsa1.0.02655.1	209	29027	5.00E-52	129	136	94 +	1	135	16873	17008
UN84206	Rsa1.0.00497.1	723	79830	0	633	634	99 +	90	723	72725	73358
UN84207	Rsa1.0.00100.1	676	249232	0	676	677	99 +	1	676	30588	31264
UN84208	Rsa1.0.03753.1	850	21010	0	479	479	100 +	276	754	15055	15533
UN84209	Rsa1.0.00493.1	854	80007	0	449	449	100 -	8	456	17635	18083
UN84210	Rsa1.0.00518.1	816	78360	0	528	554	95 -	2	549	14875	15422
UN84211	Rsa1.0.00279.1	466	100039	1.00E-153	293	299	97 -	1	299	44227	44525
UN84212	Rsa1.0.00690.1	566	140527	1.00E-134	305	319	95 +	5	320	34111	34427
UN84213	Rsa1.0.04298.1	586	147466	1.00E-156	298	304	98 +	1	304	138315	138618
UN84214	Rsa1.0.03288.1	663	24016	1.00E-113	213	215	99 -	233	447	15408	15622
UN84215	Rsa1.0.02004.1	808	169138	0	644	645	99 -	1	644	154394	155038
UN84216	Rsa1.0.00221.1	833	106972	0	833	833	100 +	1	833	26671	27503
UN84217	#	#	#	#	#	#	#	#	#	#	#
UN84218	#	#	#	#	#	#	#	#	#	#	#
UN84219	#	#	#	#	#	#	#	#	#	#	#
UN84220	Rsa1.0.00071.1	849	345714	0	599	602	99 +	248	849	147966	148567
UN84221	Rsa1.0.00596.1	841	73578	0	840	841	99 +	1	841	64081	64921
UN84222	Rsa1.0.00230.1	186	105389	9.00E-81	181	189	95 +	3	186	82520	82708
UN84223	Rsa1.0.00629.1	705	71381	0	704	705	99 +	1	705	58006	58709
UN84224	Rsa1.0.00723.1	686	66806	0	556	589	94 +	115	686	58940	59525
UN84225	Rsa1.0.00486.1	343	80875	1.00E-116	212	212	100 +	132	343	47580	47791
UN84226	Rsa1.0.01740.1	571	39986	0	381	381	100 +	17	397	29287	29667
UN84227	Rsa1.0.02985.1	721	26256	0	720	721	99 +	1	721	5822	6541
UN84228	Rsa1.0.55247.1	753	414	0	364	364	100 +	193	556	51	414
UN84229	Rsa1.0.10522.1	728	5816	0	398	398	100 +	16	413	4436	4833
UN84230	Rsa1.0.00097.1	645	138858	0	557	559	99 +	1	558	71352	71910
UN84231	Rsa1.0.02434.1	778	31464	0	681	681	100 +	5	685	21168	21848
UN84232	Rsa1.0.02215.1	598	33822	0	384	387	99 -	200	586	18220	18606
UN84233	Rsa1.0.04097.1	670	19090	3.00E-87	167	168	99 -	269	436	17493	17660
UN84234	Rsa1.0.02069.1	624	35425	1.00E-119	217	217	100 -	261	477	8883	9099
UN84235	Rsa1.0.00298.1	732	349131	0	502	531	94 +	1	530	7515	8041
UN84236	Rsa1.0.02663.1	759	169243	0	729	771	94 -	1	759	142612	143376
UN84237	Rsa1.0.00115.1	692	131321	1.00E-134	250	251	99 +	343	592	67468	67718
UN84238	Rsa1.0.03018.1	487	25991	0	358	368	97 -	1	367	3252	3619

UN84239	Rsa1.0_14624.1	420	3217	0	380	389	97 -	36	420	2598	2986
UN84240	Rsa1.0_26044.1	599	908	0	388	403	96 -	1	399	1	403
UN84241	Rsa1.0_02085.1	848	35198	1.00E-127	238	239	99 -	1	238	32382	32620
UN84242	Rsa1.0_02462.1	863	31158	0	587	598	98 -	261	855	16521	17118
UN84243	Rsa1.0_08823.1	863	6895	2.00E-20	88	100	88 +	272	371	6467	6566
UN84244	Rsa1.0_01063.1	676	55301	0	661	694	95 +	1	676	1508	2199
UN84245	Rsa1.0_02022.1	421	35923	1.00E-165	332	343	96 +	69	411	14068	14409
UN84246	Rsa1.0_04339.1	827	17836	0	547	563	97 -	1	563	1	557
UN84247	#	#	#	#	#	#	#	#	#	#	#
UN84248	Rsa1.0_00043.1	844	264937	0	821	843	97 +	6	844	17564	18400
UN84249	Rsa1.0_01964.1	809	36702	0	783	806	97 -	4	809	836	1639
UN84250	#	#	#	#	#	#	#	#	#	#	#
UN84251	Rsa1.0_00064.1	518	240927	0	518	518	100 +	1	518	133545	134062
UN84252	Rsa1.0_00123.1	873	325650	0	872	873	99 +	1	873	270034	270906
UN84253	Rsa1.0_03568.1	857	22048	1.00E-173	345	357	96 +	501	857	12495	12851
UN84254	Rsa1.0_00613.1	723	209993	0	426	435	97 -	291	723	46723	47157
UN84255	Rsa1.0_00760.1	494	65267	0	494	494	100 +	1	494	9831	10324
UN84256	Rsa1.0_00135.1	861	178077	0	773	774	99 +	1	774	72705	73478
UN84257	Rsa1.0_00018.1	421	410899	1.00E-148	322	340	94 +	83	421	260194	260527
UN84258	Rsa1.0_00298.1	481	349131	1.00E-155	278	278	100 -	204	481	32681	32958
UN84259	Rsa1.0_00418.1	786	215377	0	391	391	100 -	1	391	36889	37279
UN84260	Rsa1.0_08539.1	708	7219	0	455	455	100 -	203	657	1	455
UN84261	Rsa1.0_00034.1	733	260119	0	606	606	100 -	16	621	136266	136871
UN84262	#	#	#	#	#	#	#	#	#	#	#
UN84263	Rsa1.0_14120.1	672	3784	0	670	672	99 -	1	672	154	824
UN84264	Rsa1.0_01709.1	331	40587	3.00E-88	165	165	100 +	167	331	8628	8792
UN84265	Rsa1.0_01338.1	716	155644	0	422	422	100 -	5	426	124034	124455
UN84266	Rsa1.0_04269.1	775	18181	0	765	766	99 -	10	775	9047	9812
UN84267	Rsa1.0_14775.1	654	3074	0	352	358	98 +	1	354	886	1243
UN84268	Rsa1.0_00049.1	693	167018	0	650	679	95 -	11	689	31480	32158
UN84269	Rsa1.0_07480.1	719	9281	0	506	507	99 +	213	719	6461	6966
UN84270	Rsa1.0_08162.1	723	7813	0	392	395	99 -	103	497	7422	7813
UN84271	Rsa1.0_00293.1	737	339294	1.00E-171	314	317	99 +	421	737	53646	53962
UN84272	Rsa1.0_00003.1	507	340054	0	455	469	97 -	13	479	163888	164350
UN84273	#	#	#	#	#	#	#	#	#	#	#
UN84274	Rsa1.0_02100.1	755	35024	0	580	581	99 +	1	581	4942	5522
UN84275	Rsa1.0_00382.1	693	251946	1.00E-151	271	271	100 +	268	538	134046	134316
UN84276	Rsa1.0_01835.1	533	38542	0	522	535	97 +	1	533	4704	5236
UN84277	Rsa1.0_00197.1	690	109714	1.00E-175	345	356	96 -	327	682	36533	36888

UN84278	Rsa1.0.05948.1	751	12142	1.00E-154	333	351	94 -	249	599	1066	1414
UN84279	Rsa1.0.00373.1	688	90296	0	344	344	100 -	1	344	89659	90002
UN84280	Rsa1.0.00363.1	702	90968	1.00E-160	287	287	100 -	147	433	68449	68735
UN84281	Rsa1.0.00352.1	659	92266	1.00E-141	255	255	100 +	1	255	63664	63918
UN84282	Rsa1.0.32978.1	315	689	1.00E-156	307	315	97 -	1	315	354	667
UN84283	Rsa1.0.06513.1	646	10869	0	646	647	99 -	1	646	9906	10552
UN84284	Rsa1.0.00382.1	664	251946	0	664	664	100 -	1	664	108882	109545
UN84285	Rsa1.0.49461.1	754	458	8.00E-94	220	234	94 +	1	232	72	305
UN84286	Rsa1.0.01361.1	718	47226	0	569	569	100 +	1	569	4354	4922
UN84287	Rsa1.0.00722.1	660	66840	1.00E-21	96	110	87 -	113	222	4312	4421
UN84288	Rsa1.0.00644.1	595	136881	1.00E-172	309	310	99 +	263	572	58423	58732
UN84289	Rsa1.0.00773.1	717	64839	0	714	715	99 -	4	717	27628	28342
UN84290	Rsa1.0.00350.1	684	92346	0	683	684	99 +	2	684	57682	58365
UN84291	Rsa1.0.05602.1	693	13210	0	339	339	100 -	355	693	2852	3190
UN84292	Rsa1.0.04046.1	600	19399	0	596	596	100 +	5	600	15964	16559
UN84293	#	#	#	#	#	#	#	#	#	#	#
UN84294	Rsa1.0.00960.1	715	58199	0	567	580	97 +	33	612	19393	19969
UN84295	Rsa1.0.01633.1	773	41868	0	755	772	97 +	1	769	18119	18890
UN84296	Rsa1.0.00520.1	841	78226	0	839	841	99 +	1	841	15534	16374
UN84297	Rsa1.0.01543.1	101	43645	5.00E-13	45	46	97 +	26	71	28037	28081
UN84298	Rsa1.0.03304.1	804	23883	0	377	377	100 +	428	804	10759	11135
UN84299	Rsa1.0.02187.1	818	34113	0	526	526	100 -	1	526	4193	4718
UN84300	#	#	#	#	#	#	#	#	#	#	#
UN84301	Rsa1.0.00030.1	839	250988	0	801	805	99 -	1	804	184544	185348
UN84302	Rsa1.0.00635.1	781	175826	0	545	565	96 +	5	569	115081	115630
UN84303	Rsa1.0.02063.1	750	35484	0	657	680	96 +	1	674	29750	30426
UN84304	Rsa1.0.00409.1	757	146788	1.00E-125	235	236	99 +	519	753	110864	111099
UN84305	Rsa1.0.00872.1	634	61495	0	409	411	99 +	5	415	14769	15179
UN84306	Rsa1.0.10399.1	727	5860	0	472	472	100 -	86	557	1026	1497
UN84307	Rsa1.0.12798.1	680	5122	8.00E-29	138	162	85 -	499	660	220	381
UN84308	Rsa1.0.02888.1	745	27020	0	554	555	99 +	191	745	20004	20557
UN84309	Rsa1.0.01832.1	768	38581	0	483	512	94 -	2	512	4499	5009
UN84310	Rsa1.0.00265.1	816	220635	0	615	615	100 +	141	755	137321	137935
UN84311	Rsa1.0.06222.1	752	11452	1.00E-153	310	322	96 +	405	726	10355	10676
UN84312	Rsa1.0.19438.1	282	1432	3.00E-66	147	152	96 -	44	194	1178	1329
UN84313	Rsa1.0.00036.1	657	176186	3.00E-59	126	129	97 +	482	610	100154	100282
UN84314	#	#	#	#	#	#	#	#	#	#	#
UN84315	Rsa1.0.53247.1	607	428	1.00E-150	270	270	100 -	1	270	1	270
UN84316	Rsa1.0.01611.1	707	42269	0	702	730	96 -	1	707	16642	17369

UN84317	Rsa1.0.03646.1	661	21598	1.00E-135	252	253	99 -	1	252	9980	10232
UN84318	Rsa1.0.00053.1	820	263459	1.00E-131	284	298	95 +	1	297	32154	32451
UN84319	Rsa1.0.00913.1	717	59914	0	717	717	100 -	1	717	17779	18495
UN84320	Rsa1.0.01155.1	540	52182	1.00E-135	262	268	97 +	51	318	9260	9527
UN84321	Rsa1.0.00114.1	736	131330	1.00E-175	311	311	100 +	117	427	125072	125382
UN84322	Rsa1.0.03548.1	832	22164	0	335	335	100 -	324	658	3942	4276
UN84323	Rsa1.0.00657.1	860	69858	1.00E-86	172	175	98 +	329	503	25936	26110
UN84324	Rsa1.0.00476.1	788	280966	0	788	789	99 -	1	788	267987	268775
UN84325	Rsa1.0.00829.1	859	158305	1.00E-145	261	261	100 -	353	613	49059	49319
UN84326	Rsa1.0.00461.1	851	82509	0	677	679	99 +	1	679	54121	54799
UN84327	Rsa1.0.05206.1	865	138208	0	861	870	98 -	1	865	123814	124683
UN84328	Rsa1.0.14593.1	852	3236	1.00E-169	307	309	99 +	188	496	2695	3003
UN84329	Rsa1.0.00617.1	651	72199	0	598	614	97 -	38	651	32307	32920
UN84330	Rsa1.0.55822.1	843	409	0	409	409	100 +	300	708	1	409
UN84331	Rsa1.0.00662.1	633	192183	1.00E-176	313	313	100 -	321	633	7948	8260
UN84332	Rsa1.0.00806.1	838	63674	0	835	838	99 +	1	838	47174	48011
UN84333	Rsa1.0.00054.1	811	162053	0	356	356	100 -	1	356	153867	154222
UN84334	Rsa1.0.04806.1	765	15898	0	765	766	99 +	1	765	6464	7229
UN84335	Rsa1.0.01436.1	839	45894	1.00E-105	194	194	100 +	564	757	14569	14762
UN84336	Rsa1.0.13737.1	866	4403	0	419	421	99 +	446	866	1459	1879
UN84337	Rsa1.0.00932.1	830	59185	0	828	830	99 +	1	830	19326	20155
UN84338	Rsa1.0.00307.1	876	199003	0	854	877	97 -	1	876	57840	58716
UN84339	Rsa1.0.01266.1	862	49680	0	858	863	99 +	1	862	40489	41351
UN84340	Rsa1.0.00683.1	575	68638	0	445	457	97 -	119	575	402	858
UN84341	Rsa1.0.01732.1	847	40194	0	694	695	99 -	153	847	28093	28787
UN84342	Rsa1.0.00968.1	832	58020	1.00E-28	117	133	87 -	4	134	37407	37539
UN84343	Rsa1.0.00065.1	284	454616	1.00E-151	270	270	100 +	15	284	144527	144796
UN84344	Rsa1.0.00011.1	817	225044	0	816	817	99 +	1	817	93665	94481
UN84345	Rsa1.0.00512.1	855	200277	0	854	855	99 -	1	855	33113	33967
UN84346	Rsa1.0.01026.1	791	171624	0	497	510	97 -	106	615	6001	6510
UN84347	Rsa1.0.15148.1	839	2797	1.00E-120	232	236	98 +	604	839	1196	1431
UN84348	Rsa1.0.00176.1	863	240984	0	854	856	99 -	8	863	144310	145164
UN84349	Rsa1.0.06503.1	807	10881	0	382	382	100 +	426	807	1880	2261
UN84350	Rsa1.0.02532.1	298	30403	1.00E-167	298	298	100 +	1	298	25871	26168
UN84351	Rsa1.0.02396.1	896	31783	0	423	423	100 +	370	792	15438	15860
UN84352	Rsa1.0.00449.1	220	83863	1.00E-111	217	220	98 -	1	220	68968	69186
UN84353	Rsa1.0.00013.1	148	292129	2.00E-78	148	148	100 +	1	148	225171	225318
UN84354	Rsa1.0.00118.1	849	130637	0	675	675	100 +	18	692	119182	119856
UN84355	Rsa1.0.00204.1	873	109056	0	872	874	99 -	1	873	30864	31737

UN84356	Rsa1.0_03938.1	888	19965	9.00E-91	187	190	98 +	2	189	13253	13442
UN84357	#	#	#	#	#	#	#	#	#	#	#
UN84358	Rsa1.0_01173.1	844	51727	0	790	809	97 -	42	844	20272	21080
UN84359	Rsa1.0_00195.1	882	251884	0	469	478	98 +	166	639	82857	83334
UN84360	Rsa1.0_01006.1	870	163670	0	407	408	99 +	433	840	119248	119655
UN84361	Rsa1.0_07559.1	743	9131	0	727	743	97 +	2	743	8315	9056
UN84362	Rsa1.0_01768.1	729	138463	0	683	724	94 +	1	717	118808	119516
UN84363	Rsa1.0_00263.1	118	224968	1.00E-60	118	118	100 +	1	118	151748	151865
UN84364	Rsa1.0_00616.1	836	195713	1.00E-176	314	314	100 -	1	314	171710	172023
UN84365	Rsa1.0_03517.1	545	22337	0	350	351	99 -	195	545	8956	9306
UN84366	Rsa1.0_00142.1	880	121474	1.00E-177	315	315	100 -	1	315	110235	110549
UN84367	Rsa1.0_00001.1	867	363028	1.00E-170	303	303	100 +	7	309	131715	132017
UN84368	Rsa1.0_00244.1	827	103590	0	444	444	100 -	384	827	71545	71988
UN84369	Rsa1.0_00990.1	867	57445	1.00E-111	204	204	100 -	198	401	28401	28604
UN84370	Rsa1.0_02609.1	818	29600	0	818	818	100 -	1	818	4216	5033
UN84371	Rsa1.0_00064.1	810	240927	1.00E-159	284	284	100 -	232	515	87257	87540
UN84372	#	#	#	#	#	#	#	#	#	#	#
UN84373	Rsa1.0_41531.1	846	541	0	526	541	97 +	20	557	1	541
UN84374	Rsa1.0_04103.1	865	19048	0	685	686	99 +	180	865	13473	14158
UN84375	Rsa1.0_04286.1	831	18084	0	597	597	100 -	235	831	8042	8638
UN84376	Rsa1.0_11035.1	820	5639	3.00E-87	171	172	99 -	2	172	585	756
UN84377	Rsa1.0_00777.1	887	191865	0	442	458	96 -	1	456	131066	131519
UN84378	Rsa1.0_02387.1	804	31890	0	487	493	98 +	8	499	25626	26118
UN84379	Rsa1.0_00377.1	735	90038	0	424	437	97 +	1	436	70447	70877
UN84380	Rsa1.0_00006.1	864	396176	0	864	865	99 +	1	864	82404	83268
UN84381	Rsa1.0_00694.1	930	68074	1.00E-168	300	300	100 +	409	708	26247	26546
UN84382	Rsa1.0_15452.1	878	2597	0	876	877	99 +	2	878	1567	2443
UN84383	Rsa1.0_00087.1	846	761073	0	757	780	97 -	67	846	184615	185388
UN84384	Rsa1.0_01088.1	867	54416	0	867	867	100 +	1	867	12718	13584
UN84385	Rsa1.0_00153.1	850	192931	0	850	850	100 +	1	850	4422	5271
UN84386	Rsa1.0_00016.1	835	831256	1.00E-177	315	315	100 +	199	513	405716	406030
UN84387	Rsa1.0_00233.1	854	104918	1.00E-139	252	252	100 -	366	617	34256	34507
UN84388	Rsa1.0_00411.1	857	86944	0	855	858	99 +	1	857	41591	42446
UN84389	Rsa1.0_00433.1	829	85381	0	414	420	98 -	408	827	11412	11831
UN84390	Rsa1.0_01739.1	852	40068	0	843	854	98 -	1	852	14739	15589
UN84391	Rsa1.0_03244.1	820	24413	0	820	820	100 +	1	820	4704	5523
UN84392	Rsa1.0_00927.1	261	59312	7.00E-61	119	119	100 -	143	261	42076	42194
UN84393	Rsa1.0_01049.1	884	55655	0	774	781	99 +	73	853	31804	32584
UN84394	Rsa1.0_03957.1	845	19868	0	503	504	99 -	1	503	6107	6610

UN84395	Rsa1.0.01136.1	851	52724	0	850	852	99 +	1	851	47148	47999
UN84396	Rsa1.0.07052.1	876	9979	0	543	543	100 -	71	613	8399	8941
UN84397	Rsa1.0.01494.1	806	44641	0	454	454	100 -	353	806	24030	24483
UN84398	Rsa1.0.28849.1	737	801	0	737	737	100 -	1	737	49	785
UN84399	#	#	#	#	#	#	#	#	#	#	#
UN84400	Rsa1.0.01059.1	774	55410	1.00E-113	214	216	99 +	66	281	3758	3973
UN84401	Rsa1.0.00395.1	722	214466	0	430	430	100 +	1	430	76843	77272
UN84402	Rsa1.0.00032.1	822	306326	1.00E-163	403	439	91 -	1	435	275398	275823
UN84403	Rsa1.0.09339.1	563	6444	0	542	564	96 -	1	563	5734	6282
UN84404	Rsa1.0.00067.1	807	415055	0	368	380	96 +	1	379	375948	376327
UN84405	Rsa1.0.00100.1	817	249232	1.00E-113	223	228	97 +	8	235	125730	125957
UN84406	Rsa1.0.23822.1	374	1023	0	373	374	99 +	1	374	642	1015
UN84407	Rsa1.0.43392.1	790	518	0	434	434	100 +	357	790	1	434
UN84408	Rsa1.0.00945.1	773	58714	0	502	502	100 +	272	773	22734	23235
UN84409	Rsa1.0.02601.1	779	29654	1.00E-119	275	294	93 -	159	452	3968	4261
UN84410	Rsa1.0.00139.1	805	357786	0	799	805	99 -	1	805	16144	16945
UN84411	Rsa1.0.21645.1	816	1184	1.00E-131	240	241	99 -	576	816	154	394
UN84412	Rsa1.0.00934.1	782	193516	1.00E-124	284	301	94 -	63	363	189529	189827
UN84413	Rsa1.0.07073.1	793	9944	1.00E-120	263	278	94 +	463	740	5100	5370
UN84414	Rsa1.0.05267.1	501	14319	1.00E-119	217	217	100 +	155	371	11583	11799
UN84415	Rsa1.0.00646.1	814	70473	0	800	814	98 -	1	814	50188	50999
UN84416	Rsa1.0.01223.1	698	50392	0	500	516	96 +	185	698	4837	5351
UN84417	Rsa1.0.00955.1	819	58358	0	775	775	100 +	45	819	31654	32428
UN84418	Rsa1.0.00875.1	588	61371	0	588	588	100 -	1	588	12706	13293
UN84419	Rsa1.0.00010.1	893	294827	0	872	893	97 +	1	893	93212	94084
UN84420	Rsa1.0.01297.1	870	49029	5.00E-18	81	92	88 -	776	867	31019	31110
UN84421	Rsa1.0.04048.1	767	19394	0	354	354	100 -	140	493	3385	3738
UN84422	Rsa1.0.08359.1	846	7483	1.00E-173	308	308	100 +	185	492	818	1125
UN84423	Rsa1.0.00123.1	820	325650	0	330	330	100 -	247	576	313889	314218
UN84424	Rsa1.0.00055.1	399	520193	1.00E-174	327	330	99 -	66	393	72946	73275
UN84425	Rsa1.0.00775.1	796	64793	0	351	351	100 -	108	458	31423	31773
UN84426	Rsa1.0.03384.1	814	23291	0	363	363	100 -	13	375	15018	15380
UN84427	Rsa1.0.09005.1	708	6716	0	586	603	97 +	106	708	4801	5403
UN84428	#	#	#	#	#	#	#	#	#	#	#
UN84429	Rsa1.0.00116.1	856	365886	1.00E-151	359	383	93 +	324	697	11790	12172
UN84430	Rsa1.0.01845.1	594	38415	2.00E-57	114	114	100 +	194	307	6445	6558
UN84431	Rsa1.0.02937.1	839	26605	0	366	366	100 -	1	366	16373	16738
UN84432	Rsa1.0.02298.1	823	32872	0	635	639	99 -	185	823	25892	26530
UN84433	Rsa1.0.00025.1	839	277312	0	445	464	95 +	1	462	267801	268264

UN84434	Rsa1.0_00623.1	428	207630	1.00E-177	392	411	95 +	2	411	189250	189656
UN84435	Rsa1.0_01587.1	819	42789	1.00E-98	411	483	85 -	25	504	28525	29002
UN84436	Rsa1.0_03005.1	767	26082	0	583	588	99 +	1	588	7790	8373
UN84437	Rsa1.0_00163.1	867	116847	0	867	867	100 +	1	867	7911	8777
UN84438	Rsa1.0_00329.1	647	222544	1.00E-138	252	253	99 +	16	268	166230	166482
UN84439	Rsa1.0_01618.1	832	42118	0	827	832	99 +	1	832	29981	30812
UN84440	Rsa1.0_02748.1	786	28242	0	786	786	100 +	1	786	22773	23558
UN84441	Rsa1.0_00002.1	814	601661	1.00E-142	346	380	91 +	1	359	238327	238705
UN84442	Rsa1.0_05680.1	866	12958	0	855	857	99 +	10	866	8323	9179
UN84443	Rsa1.0_00595.1	280	341648	1.00E-105	261	281	92 -	1	280	193457	193725
UN84444	Rsa1.0_01397.1	821	183276	1.00E-171	305	305	100 -	1	305	153041	153345
UN84445	Rsa1.0_00015.1	814	561803	0	772	819	94 +	1	814	205515	206328
UN84446	Rsa1.0_00008.1	840	358124	0	813	841	96 +	7	840	221615	222454
UN84447	Rsa1.0_01236.1	850	50156	0	359	359	100 -	492	850	19466	19824
UN84448	Rsa1.0_40801.1	755	550	0	536	550	97 +	146	692	1	550
UN84449	Rsa1.0_00414.1	802	202190	0	334	335	99 +	468	802	22123	22457
UN84450	Rsa1.0_00047.1	814	168582	0	336	336	100 +	479	814	1283	1618
UN84451	Rsa1.0_04511.1	696	17032	0	585	591	98 +	106	696	7941	8531
UN84452	Rsa1.0_01696.1	831	301850	5.00E-58	115	115	100 -	657	771	149121	149235
UN84453	Rsa1.0_01006.1	759	163670	1.00E-140	267	271	98 -	1	271	34619	34887
UN84454	#	#	#	#	#	#	#	#	#	#	#
UN84455	Rsa1.0_07775.1	786	8594	0	537	538	99 +	1	537	7617	8154
UN84456	Rsa1.0_00018.1	787	410899	0	494	498	99 +	290	787	362957	363454
UN84457	Rsa1.0_00039.1	869	296927	1.00E-125	227	227	100 -	34	260	78033	78259
UN84458	Rsa1.0_02359.1	797	32211	1.00E-127	273	287	95 -	254	540	23667	23953
UN84459	Rsa1.0_01145.1	667	149247	0	390	390	100 +	27	416	113564	113953
UN84460	Rsa1.0_01307.1	798	48685	0	382	398	95 +	1	397	34623	35018
UN84461	Rsa1.0_34287.1	358	660	1.00E-59	127	129	98 +	36	164	1	128
UN84462	Rsa1.0_13356.1	809	4890	2.00E-14	87	102	85 +	21	122	115	216
UN84463	Rsa1.0_00913.1	828	59914	5.00E-46	175	203	86 -	383	576	1580	1782
UN84464	Rsa1.0_01937.1	810	37147	1.00E-116	333	373	89 +	238	610	1090	1462
UN84465	Rsa1.0_01133.1	799	52916	0	781	811	96 +	4	799	2441	3251
UN84466	Rsa1.0_03774.1	854	20932	0	853	854	99 -	1	854	18646	19499
UN84467	Rsa1.0_00250.1	822	273771	1.00E-176	313	313	100 +	510	822	243035	243347
UN84468	Rsa1.0_00089.1	803	406142	0	404	404	100 +	400	803	40782	41185
UN84469	Rsa1.0_08056.1	894	7992	0	844	893	94 -	1	892	1419	2305
UN84470	Rsa1.0_39164.1	839	574	0	572	574	99 +	169	742	1	574
UN84471	Rsa1.0_00038.1	857	314568	0	352	352	100 -	139	490	195340	195691
UN84472	Rsa1.0_01032.1	861	56189	0	403	403	100 +	8	410	22671	23073

UN84473	Rsa1.0_00737.1	868	66432	1.00E-134	242	242	100 -	443	684	33899	34140
UN84474	Rsa1.0_13896.1	179	4134	7.00E-97	179	179	100 +	1	179	3890	4068
UN84475	Rsa1.0_00211.1	844	228189	0	426	448	95 -	387	834	26440	26887
UN84476	Rsa1.0_00762.1	825	165246	1.00E-179	319	319	100 -	1	319	7093	7411
UN84477	Rsa1.0_02949.1	276	26506	1.00E-138	272	277	98 +	1	276	11750	12025
UN84478	Rsa1.0_00233.1	851	104918	1.00E-31	83	87	95 -	589	675	1959	2045
UN84479	Rsa1.0_01094.1	812	167285	0	809	812	99 +	1	812	13884	14695
UN84480	Rsa1.0_01352.1	766	47443	1.00E-113	208	208	100 +	286	493	2325	2532
UN84481	Rsa1.0_00413.1	841	86921	0	393	398	98 +	208	605	30898	31295
UN84482	Rsa1.0_00931.1	475	59210	0	413	433	95 -	50	475	40479	40908
UN84483	Rsa1.0_00123.1	826	325650	0	825	826	99 +	1	826	93820	94645
UN84484	Rsa1.0_03199.1	820	24640	0	607	609	99 -	213	820	137	744
UN84485	Rsa1.0_03044.1	809	25791	2.00E-94	176	176	100 +	186	361	21155	21330
UN84486	Rsa1.0_02298.1	841	32872	1.00E-105	200	202	99 -	2	203	10158	10359
UN84487	Rsa1.0_02461.1	802	31166	0	538	538	100 -	265	802	20913	21450
UN84488	Rsa1.0_03232.1	849	24450	1.00E-134	242	242	100 -	1	242	9903	10144
UN84489	Rsa1.0_00374.1	851	165738	0	815	876	93 -	1	851	133545	134420
UN84490	Rsa1.0_00306.1	793	146760	0	461	463	99 +	1	463	79856	80316
UN84491	Rsa1.0_00211.1	802	228189	1.00E-136	324	349	92 +	68	408	220317	220656
UN84492	Rsa1.0_00662.1	862	192183	0	392	392	100 +	471	862	182411	182802
UN84493	Rsa1.0_04014.1	818	19572	0	818	818	100 +	1	818	5108	5925
UN84494	Rsa1.0_02383.1	836	31931	6.00E-33	76	77	98 +	170	246	11862	11938
UN84495	Rsa1.0_00190.1	858	318240	4.00E-74	142	142	100 -	89	230	198961	199102
UN84496	Rsa1.0_00564.1	452	75428	1.00E-168	310	313	99 -	143	452	44467	44779
UN84497	Rsa1.0_00740.1	844	215972	0	832	841	98 -	1	840	24599	25439
UN84498	Rsa1.0_13386.1	748	4873	0	431	431	100 -	318	748	998	1428
UN84499	Rsa1.0_03639.1	837	21629	1.00E-162	333	346	96 -	350	694	2692	3037
UN84500	#	#	#	#	#	#	#	#	#	#	#
UN84501	Rsa1.0_00043.1	857	264937	0	330	331	99 +	1	331	252866	253196
UN84502	Rsa1.0_21553.1	826	1192	0	616	619	99 +	208	826	350	968
UN84503	Rsa1.0_01231.1	790	50208	1.00E-145	269	270	99 -	1	269	7147	7416
UN84504	Rsa1.0_03782.1	833	20891	0	540	558	96 +	197	742	9788	10345
UN84505	Rsa1.0_00324.1	844	218805	0	357	357	100 +	278	634	188607	188963
UN84506	Rsa1.0_01175.1	645	51674	1.00E-123	294	317	92 -	243	554	40408	40724
UN84507	Rsa1.0_01256.1	530	49770	0	500	530	94 -	1	530	23474	23987
UN84508	Rsa1.0_00095.1	845	283384	0	829	829	100 +	1	829	11861	12689
UN84509	#	#	#	#	#	#	#	#	#	#	#
UN84510	Rsa1.0_00804.1	833	63726	0	515	521	98 +	1	515	13033	13553
UN84511	Rsa1.0_00321.1	820	95671	0	813	836	97 +	2	820	25027	25862

UN84512	Rsa1.0.04555.1	881	16873	0	880	883	99 -	1	881	15766	16648
UN84513	Rsa1.0.00725.1	832	66757	0	817	834	97 +	2	832	39707	40540
UN84514	Rsa1.0.09150.1	859	6608	1.00E-115	211	211	100 -	418	628	1813	2023
UN84515	Rsa1.0.00037.1	864	307838	0	447	450	99 -	415	864	253743	254192
UN84516	Rsa1.0.17311.1	877	1863	0	357	357	100 -	216	572	350	706
UN84517	Rsa1.0.00302.1	785	97521	5.00E-98	191	194	98 +	159	352	84056	84249
UN84518	Rsa1.0.01555.1	694	166456	0	578	600	96 +	99	694	14378	14977
UN84519	Rsa1.0.00055.1	833	520193	1.00E-152	299	307	97 +	1	304	55650	55956
UN84520	Rsa1.0.02383.1	830	31931	6.00E-33	76	77	98 +	172	248	11862	11938
UN84521	Rsa1.0.02383.1	399	31931	3.00E-27	72	75	96 +	76	150	11863	11937
UN84522	Rsa1.0.00025.1	908	277312	0	905	905	100 -	4	908	160201	161105
UN84523	Rsa1.0.02985.1	843	26256	0	507	507	100 +	1	507	5851	6357
UN84524	Rsa1.0.00250.1	811	273771	0	807	811	99 +	1	811	235423	236233
UN84525	Rsa1.0.02115.1	848	34858	1.00E-159	285	285	100 +	564	848	20230	20514
UN84526	Rsa1.0.01744.1	514	39910	0	514	514	100 -	1	514	16525	17038
UN84527	Rsa1.0.00091.1	864	139699	0	692	757	91 -	1	739	131231	131963
UN84528	Rsa1.0.00300.1	850	97747	0	726	726	100 -	125	850	58989	59714
UN84529	Rsa1.0.05122.1	872	14791	0	865	872	99 +	1	872	505	1376
UN84530	Rsa1.0.02343.1	888	32374	1.00E-164	293	293	100 +	1	293	17188	17480
UN84531	Rsa1.0.04279.1	831	18113	6.00E-98	194	198	97 -	388	585	7083	7280
UN84532	Rsa1.0.00041.1	369	186197	3.00E-88	179	181	98 -	1	179	134947	135127
UN84533	Rsa1.0.03568.1	625	22048	0	607	626	96 +	1	625	18044	18657
UN84534	Rsa1.0.00500.1	734	272308	1.00E-126	254	262	96 -	467	728	5253	5514
UN84535	Rsa1.0.00284.1	670	323267	1.00E-159	299	304	98 +	1	304	278573	278876
UN84536	Rsa1.0.02365.1	644	32118	0	642	646	99 -	1	644	30158	30803
UN84537	Rsa1.0.00373.1	585	90296	0	332	332	100 +	1	332	79008	79339
UN84538	Rsa1.0.02937.1	711	26605	0	710	711	99 -	1	711	15123	15833
UN84539	Rsa1.0.01589.1	745	42721	0	336	341	98 +	255	595	33422	33762
UN84540	Rsa1.0.01965.1	688	36698	1.00E-169	311	313	99 +	1	312	26620	26932
UN84541	Rsa1.0.06516.1	765	10866	0	441	441	100 -	1	441	8524	8964
UN84542	Rsa1.0.00585.1	720	74164	1.00E-149	267	267	100 -	389	655	13475	13741
UN84543	Rsa1.0.16965.1	767	1971	0	577	579	99 +	189	767	338	916
UN84544	Rsa1.0.00741.1	848	66117	0	840	844	99 +	5	848	32491	33334
UN84545	Rsa1.0.00111.1	190	390088	3.00E-50	101	101	100 -	90	190	210916	211016
UN84546	Rsa1.0.05607.1	776	13200	0	368	368	100 -	1	368	7043	7410
UN84547	Rsa1.0.01497.1	758	44559	0	744	756	98 +	7	758	6195	6950
UN84548	Rsa1.0.03037.1	703	25825	1.00E-133	265	273	97 +	224	496	2420	2692
UN84549	Rsa1.0.00400.1	801	87858	0	702	748	93 -	15	748	20483	21227
UN84550	Rsa1.0.01046.1	807	152989	0	807	807	100 -	1	807	125788	126594

UN84551	Rsa1.0.03702.1	800	21292	0	767	796	96 +	5	800	239	1034
UN84552	Rsa1.0.00903.1	824	60228	1.00E-152	291	297	97 -	1	297	54997	55293
UN84553	Rsa1.0.02283.1	737	33024	1.00E-117	237	242	97 +	5	245	12955	13195
UN84554	Rsa1.0.00089.1	794	406142	0	338	338	100 -	1	338	101439	101776
UN84555	Rsa1.0.00017.1	858	752458	0	673	673	100 +	1	673	204640	205312
UN84556	Rsa1.0.01985.1	767	36491	0	442	443	99 +	325	767	25439	25881
UN84557	Rsa1.0.03843.1	750	20496	0	705	767	91 +	1	749	2890	3630
UN84558	Rsa1.0.03037.1	818	25825	3.00E-93	259	290	89 +	531	802	9108	9397
UN84559	Rsa1.0.00387.1	767	495407	1.00E-122	249	257	96 +	511	767	396750	397003
UN84560	Rsa1.0.00559.1	822	190486	0	473	476	99 +	348	822	175712	176186
UN84561	Rsa1.0.00021.1	202	263655	1.00E-110	202	202	100 +	1	202	36167	36368
UN84562	Rsa1.0.00039.1	854	296927	0	504	504	100 -	351	854	165242	165745
UN84563	Rsa1.0.00519.1	572	197864	1.00E-174	313	314	99 -	109	422	67032	67345
UN84564	Rsa1.0.00341.1	622	249309	1.00E-118	249	259	96 +	1	259	109980	110237
UN84565	Rsa1.0.03673.1	811	21448	0	716	716	100 -	96	811	9012	9727
UN84566	Rsa1.0.01263.1	666	49703	1.00E-152	396	440	90 +	62	481	491	927
UN84567	Rsa1.0.19643.1	591	1404	0	466	466	100 +	1	466	939	1404
UN84568	Rsa1.0.00627.1	689	71566	6.00E-76	151	153	98 +	120	272	61693	61845
UN84569	Rsa1.0.00934.1	708	193516	0	653	676	96 +	1	675	152394	153066
UN84570	Rsa1.0.04450.1	681	17297	0	628	629	99 +	54	681	11966	12594
UN84571	Rsa1.0.00200.1	752	162016	0	751	752	99 -	1	752	127435	128186
UN84572	Rsa1.0.01569.1	749	43029	0	421	421	100 +	6	426	22868	23288
UN84573	Rsa1.0.00106.1	807	133916	0	495	496	99 -	246	741	66508	67003
UN84574	Rsa1.0.00356.1	449	91521	1.00E-149	344	374	91 -	94	449	81083	81456
UN84575	Rsa1.0.03407.1	755	23154	0	745	746	99 -	11	755	9586	10331
UN84576	Rsa1.0.00234.1	705	197060	0	699	699	100 -	7	705	14441	15139
UN84577	Rsa1.0.01942.1	737	37048	0	737	738	99 +	1	737	2226	2963
UN84578	Rsa1.0.00792.1	732	64163	0	596	616	96 -	107	722	4341	4956
UN84579	Rsa1.0.00082.1	766	237584	0	766	766	100 -	1	766	73215	73980
UN84580	Rsa1.0.00131.1	740	432233	1.00E-178	316	316	100 +	1	316	33939	34254
UN84581	Rsa1.0.01104.1	263	285480	2.00E-88	198	204	97 -	1	199	265323	265526
UN84582	Rsa1.0.01270.1	478	49574	2.00E-50	102	102	100 -	233	334	29466	29567
UN84583	Rsa1.0.17517.1	708	1811	7.00E-91	170	170	100 +	59	228	1508	1677
UN84584	Rsa1.0.01591.1	650	42718	2.00E-97	237	257	92 +	403	650	7693	7949
UN84585	Rsa1.0.00965.1	736	58139	0	736	736	100 +	1	736	199	934
UN84586	Rsa1.0.00661.1	813	213041	0	809	815	99 -	1	813	48410	49223
UN84587	Rsa1.0.00352.1	522	92266	0	433	434	99 -	1	433	26300	26733
UN84588	Rsa1.0.00485.1	718	80937	0	508	530	95 +	13	540	3410	3937
UN84589	Rsa1.0.00049.1	626	167018	1.00E-147	307	320	95 +	1	320	131930	132243

UN84590	Rsa1.0.01021.1	722	56610	0	721	722	99 +	2	722	19287	20008
UN84591	Rsa1.0.00006.1	676	396176	2.00E-88	181	186	97 -	371	556	225571	225756
UN84592	Rsa1.0.04332.1	738	17869	0	738	738	100 -	1	738	16471	17208
UN84593	Rsa1.0.00376.1	572	90101	0	553	585	94 +	1	572	13156	13740
UN84594	Rsa1.0.00307.1	685	199003	3.00E-87	182	188	96 +	371	558	47637	47824
UN84595	Rsa1.0.02288.1	704	32984	0	682	687	99 -	18	704	1606	2287
UN84596	Rsa1.0.00757.1	733	65559	0	726	726	100 -	8	733	51254	51979
UN84597	Rsa1.0.02529.1	678	30437	0	636	638	99 +	1	637	20010	20646
UN84598	Rsa1.0.01214.1	600	50599	0	452	462	97 +	1	455	38536	38997
UN84599	Rsa1.0.02186.1	720	34150	0	601	609	98 +	1	604	7338	7945
UN84600	Rsa1.0.00413.1	730	86921	0	697	736	94 +	1	730	47327	48049
UN84601	Rsa1.0.00246.1	115	103541	4.00E-54	114	115	99 +	2	115	17760	17874
UN84602	Rsa1.0.36478.1	701	618	1.00E-100	204	210	97 -	442	651	209	418
UN84603	Rsa1.0.09317.1	655	6459	2.33E-156	311	326	95 -	1	323	165	481
UN84604	Rsa1.0.02070.1	715	158516	0	403	414	97 -	302	715	16626	17031
UN84605	Rsa1.0.01081.1	724	499226	0	456	461	98 -	264	724	186252	186712
UN84606	Rsa1.0.00425.1	212	147080	2.00E-20	72	75	96 +	57	131	145466	145537
UN84607	Rsa1.0.03437.1	215	22947	1.00E-113	213	214	99 +	3	215	18923	19136
UN84608	Rsa1.0.02726.1	764	28404	0	633	633	100 +	11	643	14259	14891
UN84609	Rsa1.0.00980.1	649	57729	6.00E-88	278	314	88 +	334	645	38886	39191
UN84610	Rsa1.0.01828.1	689	38681	0	671	686	97 +	4	689	9664	10347
UN84611	Rsa1.0.02228.1	642	33688	0	370	371	99 +	1	371	7756	8126
UN84612	Rsa1.0.00001.1	749	363028	1.00E-155	292	294	99 +	1	292	309422	309715
UN84613	Rsa1.0.02728.1	679	28400	0	675	680	99 -	1	679	18967	19644
UN84614	Rsa1.0.05593.1	711	13235	0	437	438	99 +	2	438	5021	5458
UN84615	Rsa1.0.00549.1	650	76473	1.00E-116	227	232	97 +	419	650	37587	37813
UN84616	Rsa1.0.02706.1	568	28522	1.00E-165	309	311	99 +	260	568	12758	13068
UN84617	Rsa1.0.01180.1	599	51517	1.00E-137	253	255	99 +	218	472	43475	43729
UN84618	Rsa1.0.00734.1	724	66508	1.00E-138	250	250	100 -	283	532	57134	57383
UN84619	Rsa1.0.00253.1	595	231292	1.00E-95	178	178	100 -	1	178	209975	210152
UN84620	Rsa1.0.00859.1	497	61795	1.00E-23	147	177	83 +	227	403	25094	25270
UN84621	Rsa1.0.00591.1	582	73789	0	375	380	98 -	1	379	67153	67532
UN84622	Rsa1.0.01836.1	642	38503	0	464	464	100 +	1	464	33120	33583
UN84623	Rsa1.0.00352.1	261	92266	1.00E-110	248	262	94 -	1	261	24879	25140
UN84624	Rsa1.0.00486.1	577	80875	0	370	370	100 +	8	377	45302	45671
UN84625	Rsa1.0.02626.1	618	29387	0	558	561	99 +	58	618	21200	21758
UN84626	Rsa1.0.03229.1	555	24470	1.00E-85	164	165	99 +	234	398	10322	10486
UN84627	Rsa1.0.00150.1	506	154416	0	504	504	100 -	3	506	40020	40523
UN84628	Rsa1.0.03100.1	573	25411	0	561	574	97 +	1	573	14634	15202

UN84629	Rsa1.0.03325.1	741	23720	1.00E-153	277	278	99 -	363	640	11839	12116
UN84630	Rsa1.0.04275.1	680	18136	1.00E-130	236	236	100 -	217	452	15201	15436
UN84631	Rsa1.0.04220.1	716	18421	1.00E-178	392	419	93 -	2	399	13895	14313
UN84632	Rsa1.0.00777.1	538	191865	0	341	344	99 -	195	538	134732	135075
UN84633	Rsa1.0.00118.1	574	130637	1.00E-105	201	202	99 -	2	202	45828	46029
UN84634	Rsa1.0.00520.1	491	78226	0	473	474	99 -	1	473	21613	22086
UN84635	Rsa1.0.00237.1	633	235974	0	347	348	99 +	1	348	60506	60853
UN84636	Rsa1.0.00890.1	576	323870	0	519	559	92 -	11	558	200895	201448
UN84637	Rsa1.0.00040.1	536	324196	0	536	536	100 -	1	536	216139	216674
UN84638	Rsa1.0.03989.1	575	19680	0	449	449	100 +	114	562	897	1345
UN84639	Rsa1.0.02030.1	621	179909	0	525	552	95 -	74	621	19207	19748
UN84640	Rsa1.0.05692.1	555	12914	0	332	332	100 -	205	536	10889	11220
UN84641	Rsa1.0.01276.1	547	49384	0	489	491	99 +	57	547	5316	5805
UN84642	Rsa1.0.01103.1	602	53974	0	405	405	100 +	1	405	34305	34709
UN84643	Rsa1.0.00037.1	610	307838	1.00E-159	308	314	98 -	1	311	201310	201622
UN84644	Rsa1.0.00915.1	635	194446	0	381	381	100 -	1	381	181873	182253
UN84645	Rsa1.0.02846.1	544	27338	0	501	508	98 -	1	507	22700	23207
UN84646	Rsa1.0.03916.1	550	20117	0	548	550	99 -	1	550	14435	14983
UN84647	Rsa1.0.14588.1	837	3238	0	448	448	100 +	1	448	1468	1915
UN84648	Rsa1.0.00017.1	816	752458	0	595	596	99 +	1	596	464073	464668
UN84649	Rsa1.0.00322.1	856	212233	0	855	856	99 +	1	856	192710	193565
UN84650	Rsa1.0.03188.1	842	24722	0	530	530	100 +	313	842	10418	10947
UN84651	Rsa1.0.00082.1	829	237584	0	827	830	99 +	1	829	28269	29097
UN84652	Rsa1.0.09490.1	555	6335	0	494	518	95 -	1	516	1	517
UN84653	Rsa1.0.00340.1	824	305782	0	821	828	99 -	1	824	120246	121073
UN84654	Rsa1.0.00551.1	587	76227	0	587	587	100 -	1	587	66542	67128
UN84655	Rsa1.0.01537.1	858	187285	0	652	653	99 -	206	858	42669	43321
UN84656	Rsa1.0.00477.1	833	81556	0	806	825	97 +	1	825	19344	20168
UN84657	Rsa1.0.03231.1	836	24456	0	342	343	99 +	231	573	19934	20276
UN84658	Rsa1.0.01468.1	342	45146	0	342	343	99 -	1	342	31510	31852
UN84659	Rsa1.0.01792.1	890	39227	0	890	891	99 -	1	890	35079	35969
UN84660	Rsa1.0.00100.1	832	249232	0	586	587	99 +	1	586	19438	20024
UN84661	Rsa1.0.01553.1	615	43379	1.00E-159	285	285	100 -	194	478	39596	39880
UN84662	Rsa1.0.03686.1	773	21387	0	763	763	100 +	11	773	13482	14244
UN84663	Rsa1.0.00031.1	668	179862	0	385	385	100 +	99	483	137430	137814
UN84664	Rsa1.0.01244.1	731	50061	0	731	731	100 +	1	731	2790	3520
UN84665	Rsa1.0.00010.1	726	294827	0	724	726	99 -	1	726	103196	103920
UN84666	Rsa1.0.00526.1	628	169279	1.00E-42	161	185	87 -	440	624	145451	145635
UN84667	Rsa1.0.00514.1	817	78421	0	803	806	99 -	12	817	70903	71708

UN84668	Rsa1.0.09446.1	701	6362	1.00E-150	273	274	99 +	238	511	1344	1617
UN84669	Rsa1.0.00527.1	694	77733	0	402	402	100 -	1	402	28102	28503
UN84670	Rsa1.0.00032.1	700	306326	1.00E-163	291	291	100 -	9	299	179688	179978
UN84671	Rsa1.0.01189.1	706	51358	0	431	435	99 +	1	434	8560	8994
UN84672	Rsa1.0.00881.1	710	61260	0	368	368	100 +	343	710	18614	18981
UN84673	Rsa1.0.06584.1	526	10719	0	388	389	99 -	138	526	898	1286
UN84674	Rsa1.0.10140.1	889	5979	0	463	491	94 +	401	889	498	988
UN84675	Rsa1.0.00186.1	795	112669	3.00E-81	163	166	98 +	213	378	8180	8345
UN84676	Rsa1.0.00062.1	804	299291	0	802	802	100 -	3	804	142784	143585
UN84677	Rsa1.0.70106.1	794	327	1.00E-162	289	289	100 -	271	559	39	327
UN84678	Rsa1.0.01394.1	794	46641	0	793	794	99 +	1	794	45205	45997
UN84679	Rsa1.0.01176.1	789	51638	1.00E-124	429	497	86 -	288	783	47693	48154
UN84680	Rsa1.0.00336.1	825	445051	1.00E-169	373	397	93 -	16	406	221235	221622
UN84681	Rsa1.0.14744.1	762	3111	1.00E-156	426	475	89 -	266	740	724	1198
UN84682	Rsa1.0.00023.1	767	194764	0	767	768	99 -	1	767	67819	68586
UN84683	Rsa1.0.00469.1	570	82084	1.00E-130	258	267	96 -	209	475	31483	31740
UN84684	Rsa1.0.00064.1	870	240927	1.00E-117	214	214	100 +	8	221	227340	227553
UN84685	Rsa1.0.00013.1	799	292129	0	791	795	99 +	7	799	177087	177881
UN84686	Rsa1.0.00127.1	816	127446	1.00E-172	348	361	96 -	273	633	38680	39037
UN84687	Rsa1.0.06281.1	854	11317	0	622	627	99 -	1	627	5263	5889
UN84688	Rsa1.0.03437.1	757	22947	0	340	340	100 -	1	340	19974	20313
UN84689	Rsa1.0.03040.1	765	25812	0	335	335	100 -	1	335	4195	4529
UN84690	Rsa1.0.00736.1	713	66455	0	562	563	99 -	1	562	52746	53308
UN84691	Rsa1.0.00047.1	683	168582	1.00E-124	265	281	94 -	2	282	115947	116213
UN84692	Rsa1.0.00017.1	785	752458	0	374	374	100 +	226	599	192051	192424
UN84693	Rsa1.0.01679.1	463	146876	1.00E-102	237	246	96 +	1	238	132833	133078
UN84694	Rsa1.0.00179.1	660	393324	0	660	661	99 +	1	660	318164	318824
UN84695	Rsa1.0.00944.1	611	58733	0	422	422	100 +	190	611	45223	45644
UN84696	Rsa1.0.00886.1	781	167350	0	781	782	99 -	1	781	161105	161886
UN84697	Rsa1.0.02911.1	707	142461	0	415	417	99 +	2	417	25126	25542
UN84698	Rsa1.0.00078.1	668	175053	1.00E-164	358	381	93 -	288	668	67539	67910
UN84699	Rsa1.0.00111.1	776	390088	1.00E-119	529	632	83 -	144	772	374162	374793
UN84700	Rsa1.0.24202.1	774	1000	0	509	539	94 -	240	774	50	570
UN84701	Rsa1.0.03953.1	708	19889	0	666	696	95 -	14	708	15434	16127
UN84702	Rsa1.0.01545.1	664	43599	0	658	660	99 +	5	664	32317	32976
UN84703	Rsa1.0.52873.1	547	431	0	392	392	100 -	106	497	40	431
UN84704	Rsa1.0.03826.1	757	20614	0	460	481	95 -	296	757	2992	3472
UN84705	Rsa1.0.00589.1	641	209965	0	631	631	100 -	11	641	165114	165744
UN84706	Rsa1.0.01556.1	704	163858	0	449	449	100 -	256	704	143109	143557

UN84707	Rsa1.0.02651.1	593	29046	0	588	592	99 -	2	593	12493	13084
UN84708	Rsa1.0.00543.1	689	76788	0	423	423	100 -	267	689	53746	54168
UN84709	Rsa1.0.07913.1	682	8303	0	543	543	100 +	2	544	903	1445
UN84710	Rsa1.0.01090.1	700	54385	0	512	512	100 -	1	512	14858	15369
UN84711	Rsa1.0.01321.1	703	48248	0	703	704	99 -	1	703	5992	6695
UN84712	Rsa1.0.46470.1	600	486	0	477	486	98 -	85	570	1	486
UN84713	Rsa1.0.00324.1	333	218805	1.00E-131	240	241	99 -	93	333	217169	217409
UN84714	Rsa1.0.00086.1	707	439854	0	707	708	99 +	1	707	317764	318471
UN84715	#	#	#	#	#	#	#	#	#	#	#
UN84716	Rsa1.0.00033.1	694	515811	1.00E-116	213	213	100 +	1	213	454529	454741
UN84717	Rsa1.0.00655.1	656	195840	0	502	505	99 -	1	503	137203	137707
UN84718	Rsa1.0.00273.1	698	326186	1.00E-139	251	251	100 -	188	438	10008	10258
UN84719	Rsa1.0.00175.1	586	166121	1.00E-118	233	239	97 -	93	331	146916	147154
UN84720	Rsa1.0.01450.1	695	144251	1.00E-166	297	297	100 +	169	465	26735	27031
UN84721	Rsa1.0.00020.1	631	283099	0	598	599	99 -	34	631	95733	96331
UN84722	Rsa1.0.06841.1	279	10286	1.00E-147	278	280	99 +	1	279	5648	5926
UN84723	Rsa1.0.01262.1	382	178815	0	375	378	99 -	1	377	14053	14430
UN84724	Rsa1.0.75532.1	747	304	1.00E-171	304	304	100 -	135	438	1	304
UN84725	Rsa1.0.03612.1	556	21784	0	551	552	99 +	5	556	2324	2875
UN84726	Rsa1.0.01307.1	622	48685	0	390	392	99 +	1	391	26105	26496
UN84727	Rsa1.0.02653.1	687	29030	0	432	462	93 +	77	535	16754	17209
UN84728	Rsa1.0.04146.1	183	18833	3.00E-99	183	183	100 +	1	183	2666	2848
UN84729	Rsa1.0.00856.1	533	62037	0	427	427	100 -	107	533	29397	29823
UN84730	Rsa1.0.02331.1	704	32449	0	704	704	100 +	1	704	12480	13183
UN84731	Rsa1.0.00948.1	662	58620	0	357	360	99 +	1	357	39721	40080
UN84732	Rsa1.0.01206.1	646	50772	0	507	514	98 -	9	521	5344	5857
UN84733	Rsa1.0.00316.1	562	96264	1.00E-144	278	282	98 -	161	439	58304	58585
UN84734	Rsa1.0.11159.1	629	5600	0	623	630	98 +	1	628	145	773
UN84735	Rsa1.0.00033.1	598	515811	0	520	521	99 +	7	526	454523	455043
UN84736	Rsa1.0.00525.1	654	78030	1.00E-176	320	321	99 -	1	320	11722	12042
UN84737	Rsa1.0.00076.1	531	146021	1.00E-171	304	304	100 -	1	304	48673	48976
UN84738	Rsa1.0.40679.1	540	552	1.00E-160	314	322	97 +	4	324	4	325
UN84739	Rsa1.0.03140.1	342	25081	3.00E-51	103	103	100 +	1	103	3851	3953
UN84740	Rsa1.0.00854.1	552	62100	0	444	448	99 -	1	448	11665	12109
UN84741	Rsa1.0.01026.1	593	171624	1.00E-174	317	318	99 -	1	317	144081	144398
UN84742	Rsa1.0.00337.1	698	143174	1.00E-12	123	151	81 +	208	358	4355	4505
UN84743	Rsa1.0.01806.1	589	39021	1.00E-176	533	599	88 -	1	586	32297	32870
UN84744	Rsa1.0.00583.1	604	74309	0	579	600	96 +	1	598	58583	59179
UN84745	Rsa1.0.00123.1	445	325650	0	369	369	100 +	77	445	252673	253041

UN84746	Rsa1.0.00033.1	466	515811	0	460	466	98 +	1	466	474676	475135
UN84747	Rsa1.0.53609.1	531	425	2.00E-96	186	187	99 +	323	508	1	187
UN84748	Rsa1.0.00415.1	587	86795	1.00E-113	207	207	100 +	219	425	49105	49311
UN84749	Rsa1.0.06344.1	502	11205	0	445	445	100 +	1	445	10754	11198
UN84750	Rsa1.0_11073.1	701	5625	0	571	581	98 -	119	699	5045	5625
UN84751	#	#	#	#	#	#	#	#	#	#	#
UN84752	Rsa1.0.04033.1	546	19481	0	366	375	97 +	1	372	14600	14974
UN84753	Rsa1.0.01317.1	516	48287	0	500	517	96 +	1	516	34169	34675
UN84754	Rsa1.0.01544.1	170	185602	8.00E-75	164	170	96 -	1	170	9663	9831
UN84755	Rsa1.0.04566.1	656	16828	0	370	374	98 -	1	374	10062	10435
UN84756	Rsa1.0.00663.1	651	164969	0	642	653	98 -	1	651	131769	132412
UN84757	Rsa1.0_13838.1	579	4236	4.00E-95	177	177	100 +	115	291	2303	2479
UN84758	Rsa1.0.16469.1	613	2144	1.00E-160	359	385	93 -	2	361	1238	1622
UN84759	Rsa1.0.18524.1	108	1582	5.00E-50	100	100	100 -	9	108	384	483
UN84760	Rsa1.0.01436.1	657	45894	1.00E-177	338	342	98 -	1	339	16901	17241
UN84761	Rsa1.0.00159.1	517	431686	1.00E-134	243	243	100 -	199	441	349496	349738
UN84762	Rsa1.0.00473.1	481	212204	1.00E-111	204	204	100 -	1	204	73604	73807
UN84763	Rsa1.0_11525.1	644	5479	0	532	536	99 +	97	631	4285	4820
UN84764	Rsa1.0.05517.1	704	13460	0	667	668	99 +	1	667	5249	5916
UN84765	Rsa1.0.00087.1	640	761073	6.00E-91	202	211	95 +	1	210	186489	186695
UN84766	Rsa1.0.00892.1	543	60703	0	538	540	99 +	1	538	25319	25858
UN84767	Rsa1.0.48980.1	692	463	1.00E-160	336	347	96 -	1	339	43	389
UN84768	Rsa1.0.00293.1	668	339294	0	668	669	99 +	1	668	195725	196393
UN84769	Rsa1.0.00149.1	619	305196	0	380	381	99 -	170	549	137551	137931
UN84770	Rsa1.0.00516.1	682	78417	0	410	421	97 -	1	421	37183	37601
UN84771	Rsa1.0.00175.1	567	166121	0	478	485	98 -	84	567	141609	142090
UN84772	Rsa1.0.00839.1	782	62533	0	780	782	99 -	1	782	29878	30659
UN84773	Rsa1.0.00105.1	639	134138	0	590	609	96 +	31	639	80589	81197
UN84774	Rsa1.0.21539.1	572	1194	1.00E-123	272	284	95 -	272	552	435	718
UN84775	Rsa1.0.01649.1	504	41624	1.00E-176	312	312	100 +	193	504	39800	40111
UN84776	Rsa1.0.08564.1	628	7193	0	330	330	100 +	1	330	1696	2025
UN84777	Rsa1.0.01437.1	604	45887	4.00E-24	85	94	90 +	168	261	13084	13177
UN84778	Rsa1.0.00215.1	628	201775	0	391	397	98 +	24	420	77091	77487
UN84779	Rsa1.0.00087.1	610	761073	1.00E-161	344	359	95 +	252	610	594412	594761
UN84780	Rsa1.0.08927.1	811	6782	1.00E-168	354	371	95 -	6	375	87	457
UN84781	Rsa1.0.00031.1	365	179862	1.00E-120	222	223	99 -	1	223	107274	107496
UN84782	Rsa1.0.00962.1	827	184909	0	364	365	99 +	289	653	23843	24207
UN84783	Rsa1.0.04574.1	854	16786	1.00E-136	358	396	90 +	467	853	5374	5766
UN84784	Rsa1.0.03070.1	871	25578	0	813	867	93 -	3	868	18810	19676

UN84785	Rsa1.0.00143.1	836	121313	0	329	329	100 -	288	616	42967	43295
UN84786	Rsa1.0.02319.1	737	32580	1.00E-102	189	189	100 -	309	497	28970	29158
UN84787	Rsa1.0.00848.1	852	152362	0	564	565	99 +	96	660	11280	11844
UN84788	Rsa1.0.00126.1	814	127534	0	388	406	95 +	363	757	242	646
UN84789	Rsa1.0.00069.1	778	403561	0	778	779	99 +	1	778	17193	17971
UN84790	Rsa1.0.09446.1	823	6362	1.00E-120	226	228	99 +	518	745	2014	2241
UN84791	#	#	#	#	#	#	#	#	#	#	#
UN84792	Rsa1.0.01028.1	828	56401	0	828	828	100 +	1	828	46344	47171
UN84793	Rsa1.0.00142.1	861	121474	0	374	374	100 -	488	861	104359	104732
UN84794	Rsa1.0.00518.1	825	78360	0	398	398	100 +	54	451	74548	74945
UN84795	Rsa1.0.00146.1	831	149343	0	747	751	99 -	1	747	34334	35084
UN84796	Rsa1.0.01043.1	829	55893	0	441	442	99 +	3	443	52328	52769
UN84797	#	#	#	#	#	#	#	#	#	#	#
UN84798	Rsa1.0.02748.1	743	28242	0	736	736	100 -	8	743	3559	4294
UN84799	Rsa1.0.07598.1	857	9054	0	369	369	100 +	3	371	403	771
UN84800	Rsa1.0.00204.1	615	109056	1.00E-178	324	325	99 +	292	615	46701	47025
UN84801	Rsa1.0.00905.1	855	60110	0	590	614	96 -	1	611	9254	9867
UN84802	Rsa1.0.03775.1	918	20927	5.00E-86	168	170	98 -	81	250	14651	14820
UN84803	Rsa1.0.01632.1	837	181224	0	467	469	99 -	369	837	2607	3075
UN84804	#	#	#	#	#	#	#	#	#	#	#
UN84805	Rsa1.0.00565.1	835	75420	0	330	330	100 -	159	488	18348	18677
UN84806	Rsa1.0.14283.1	722	3580	0	673	674	99 -	1	673	139	812
UN84807	Rsa1.0.00516.1	835	78417	0	600	604	99 +	1	604	17793	18396
UN84808	Rsa1.0.00601.1	660	177045	3.00E-68	132	132	100 -	529	660	142317	142448
UN84809	Rsa1.0.00077.1	880	145005	0	865	880	98 +	1	880	133789	134665
UN84810	Rsa1.0.02881.1	896	27041	1.00E-156	279	279	100 -	1	279	11026	11304
UN84811	Rsa1.0.06385.1	809	11115	0	787	818	96 +	2	809	1297	2114
UN84812	Rsa1.0.00032.1	857	306326	0	404	404	100 +	211	614	138030	138433
UN84813	Rsa1.0.00917.1	753	182012	1.00E-140	253	253	100 -	108	360	7459	7711
UN84814	Rsa1.0.00654.1	858	70012	0	497	497	100 -	1	497	31309	31805
UN84815	Rsa1.0.05995.1	851	11997	1.00E-143	264	266	99 +	586	851	3839	4104
UN84816	Rsa1.0.17340.1	853	1855	1.00E-108	210	212	99 -	643	853	1272	1483
UN84817	Rsa1.0.00385.1	849	89160	1.00E-161	381	416	91 +	96	511	5594	5987
UN84818	Rsa1.0.00419.1	837	86562	0	632	632	100 -	161	792	16334	16965
UN84819	Rsa1.0.02228.1	858	33688	0	646	646	100 -	1	646	16775	17420
UN84820	Rsa1.0.00571.1	852	329018	0	699	700	99 -	145	844	18049	18748
UN84821	Rsa1.0.40791.1	887	550	1.00E-159	292	293	99 -	1	292	1	293
UN84822	Rsa1.0.01679.1	880	146876	0	558	562	99 -	1	562	124581	125142
UN84823	Rsa1.0.00381.1	798	89718	0	735	735	100 -	1	735	55578	56312

UN84824	Rsa1.0_00606.1	818	73150	0	651	651	100 +	166	816	30196	30846
UN84825	Rsa1.0_00373.1	824	90296	0	383	383	100 +	95	477	47117	47499
UN84826	Rsa1.0_02870.1	862	27102	0	692	702	98 +	161	862	6395	7096
UN84827	Rsa1.0_04439.1	856	17348	0	336	340	98 -	426	765	8718	9057
UN84828	Rsa1.0_00275.1	510	210104	1.00E-113	208	208	100 -	1	208	152106	152313
UN84829	#	#	#	#	#	#	#	#	#	#	#
UN84830	#	#	#	#	#	#	#	#	#	#	#
UN84831	Rsa1.0_00293.1	865	339294	0	592	592	100 -	203	794	307360	307951
UN84832	Rsa1.0_01089.1	197	142191	1.00E-103	196	197	99 +	1	197	95704	95899
UN84833	Rsa1.0_00015.1	895	561803	0	895	895	100 +	1	895	288422	289316
UN84834	Rsa1.0_00974.1	871	57893	0	551	551	100 +	1	551	34974	35524
UN84835	Rsa1.0_01029.1	128	256254	8.00E-31	75	76	98 -	2	76	21335	21410
UN84836	Rsa1.0_01434.1	880	45951	0	836	836	100 -	1	836	9824	10659
UN84837	Rsa1.0_03067.1	880	25651	9.00E-94	175	175	100 +	1	175	1959	2133
UN84838	Rsa1.0_00102.1	865	135497	0	865	865	100 -	1	865	96279	97143
UN84839	Rsa1.0_04125.1	662	18944	1.00E-149	271	272	99 +	180	451	18673	18944
UN84840	Rsa1.0_03999.1	558	19645	0	556	558	99 -	1	558	9119	9676
UN84841	Rsa1.0_30002.1	835	765	0	555	576	96 -	133	708	1	576
UN84842	Rsa1.0_03543.1	840	22185	0	840	841	99 -	1	840	6101	6941
UN84843	Rsa1.0_00931.1	845	59210	0	790	795	99 -	51	845	8897	9691
UN84844	Rsa1.0_00350.1	552	92346	1.00E-149	277	280	98 -	273	552	79598	79877
UN84845	Rsa1.0_00068.1	833	151813	1.00E-126	248	254	97 -	520	773	52960	53213
UN84846	Rsa1.0_01923.1	841	37233	0	414	414	100 -	334	747	25125	25538
UN84847	Rsa1.0_02635.1	855	29296	1.00E-117	228	231	98 +	2	232	12369	12598
UN84848	Rsa1.0_02100.1	557	35024	1.00E-113	207	207	100 +	181	387	6516	6722
UN84849	Rsa1.0_00663.1	871	164969	0	870	871	99 -	1	871	137399	138269
UN84850	Rsa1.0_02375.1	805	32026	0	805	805	100 -	1	805	6005	6809
UN84851	Rsa1.0_52835.1	855	431	0	431	431	100 -	336	766	1	431
UN84852	Rsa1.0_04504.1	813	17069	0	685	705	97 -	112	813	8751	9452
UN84853	#	#	#	#	#	#	#	#	#	#	#
UN84854	Rsa1.0_75692.1	838	303	1.00E-129	235	235	100 -	461	695	52	286
UN84855	Rsa1.0_02395.1	881	31785	1.00E-160	287	287	100 +	595	881	1899	2185
UN84856	Rsa1.0_01939.1	786	37124	0	727	727	100 +	60	786	1142	1868
UN84857	Rsa1.0_18450.1	853	1596	0	394	403	97 -	127	529	636	1035
UN84858	Rsa1.0_00213.1	813	108167	0	748	748	100 +	1	748	6781	7528
UN84859	Rsa1.0_00022.1	884	200461	0	421	421	100 +	1	421	196425	196845
UN84860	Rsa1.0_01234.1	796	50183	0	618	626	98 -	68	693	32076	32698
UN84861	Rsa1.0_00034.1	125	260119	8.00E-65	125	125	100 +	1	125	238575	238699
UN84862	Rsa1.0_01260.1	850	49750	5.00E-89	167	167	100 +	384	550	21209	21375

UN84863	Rsa1.0_17564.1	822	1796	3.00E-78	164	169	97 +	580	748	630	798
UN84864	Rsa1.0_01527.1	870	43905	0	702	702	100 +	169	870	18492	19193
UN84865	Rsa1.0_00127.1	854	127446	8.00E-82	203	220	92 +	1	207	95046	95265
UN84866	Rsa1.0_01194.1	836	51113	0	834	836	99 +	2	836	1796	2631
UN84867	Rsa1.0_01023.1	804	56571	0	802	804	99 -	1	804	21741	22544
UN84868	Rsa1.0_00165.1	805	116466	1.00E-135	244	244	100 +	211	454	65040	65283
UN84869	Rsa1.0_00003.1	800	340054	0	677	682	99 +	3	684	153543	154224
UN84870	Rsa1.0_00975.1	763	57865	0	351	355	98 +	1	355	47796	48150
UN84871	Rsa1.0_02219.1	835	33798	0	780	800	97 +	36	835	3732	4531
UN84872	Rsa1.0_26474.1	368	890	0	363	364	99 -	6	368	504	867
UN84873	Rsa1.0_00666.1	830	69505	0	407	408	99 +	1	408	27001	27407
UN84874	Rsa1.0_04293.1	844	18046	1.00E-172	307	307	100 +	6	312	12344	12650
UN84875	Rsa1.0_00033.1	829	515811	1.00E-178	316	316	100 +	165	480	142609	142924
UN84876	Rsa1.0_02045.1	831	35650	0	831	831	100 +	1	831	2688	3518
UN84877	Rsa1.0_06803.1	824	10330	0	516	537	96 -	1	537	3599	4131
UN84878	Rsa1.0_02688.1	869	28644	0	647	671	96 -	31	701	3339	4009
UN84879	Rsa1.0_03962.1	771	19860	0	461	470	98 +	302	771	7208	7677
UN84880	Rsa1.0_01838.1	565	38500	1.00E-98	195	199	97 +	114	312	16385	16583
UN84881	Rsa1.0_00027.1	831	283362	0	621	656	94 -	177	831	166527	167182
UN84882	Rsa1.0_05076.1	851	14916	0	568	568	100 +	284	851	11483	12050
UN84883	Rsa1.0_26879.1	811	874	1.00E-49	101	101	100 -	323	423	7	107
UN84884	Rsa1.0_03554.1	828	22137	0	801	829	96 -	1	828	16898	17720
UN84885	Rsa1.0_00545.1	287	189649	1.00E-160	286	286	100 +	2	287	56755	57040
UN84886	Rsa1.0_04164.1	801	18767	1.00E-163	303	307	98 -	495	801	11798	12104
UN84887	Rsa1.0_00484.1	198	203294	6.00E-79	152	153	99 +	1	153	139435	139587
UN84888	Rsa1.0_00556.1	120	207212	2.00E-59	119	120	99 -	1	120	37253	37372
UN84889	Rsa1.0_05166.1	770	14624	1.00E-149	268	268	100 +	352	619	13754	14021
UN84890	Rsa1.0_00813.1	815	63202	0	474	487	97 +	4	487	37358	37843
UN84891	Rsa1.0_00128.1	799	228675	2.00E-54	127	133	95 +	623	755	186865	186997
UN84892	Rsa1.0_03536.1	874	22232	0	446	446	100 +	429	874	7055	7500
UN84893	Rsa1.0_00626.1	512	71582	0	396	399	99 -	1	399	65582	65980
UN84894	Rsa1.0_19977.1	396	1357	1.00E-81	304	354	85 -	1	354	55	408
UN84895	Rsa1.0_00417.1	843	395068	0	842	844	99 -	1	843	273036	273879
UN84896	Rsa1.0_01204.1	864	50843	0	823	862	95 -	6	864	21088	21940
UN84897	Rsa1.0_02197.1	795	33996	0	545	561	97 +	56	613	5867	6427
UN84898	Rsa1.0_00189.1	227	111830	1.00E-119	223	224	99 +	5	227	7153	7376
UN84899	Rsa1.0_25740.1	847	922	0	841	843	99 +	1	843	80	922
UN84900	Rsa1.0_01390.1	555	46695	0	522	555	94 -	1	555	38006	38560
UN84901	Rsa1.0_00563.1	861	75491	0	855	864	98 +	1	861	72702	73564

UN84902	Rsa1.0_04370.1	808	17701	0	380	380	100 -	1	380	8593	8972
UN84903	Rsa1.0_08933.1	848	6772	0	737	816	90 +	75	848	4359	5166
UN84904	Rsa1.0_00019.1	849	301669	1.00E-119	269	285	94 +	566	849	267967	268251
UN84905	Rsa1.0_00066.1	804	152418	0	725	805	90 +	7	804	1719	2487
UN84906	Rsa1.0_01386.1	849	46765	0	844	845	99 +	5	849	6842	7685
UN84907	Rsa1.0_01350.1	840	47503	0	354	354	100 -	154	507	29251	29604
UN84908	Rsa1.0_00279.1	845	100039	0	844	844	100 -	2	845	23043	23886
UN84909	Rsa1.0_01484.1	788	44806	5.00E-89	174	175	99 +	1	174	42961	43135
UN84910	Rsa1.0_01949.1	851	36960	1.00E-163	292	292	100 -	299	590	21094	21385
UN84911	Rsa1.0_01798.1	896	173909	0	612	612	100 -	285	896	164591	165202
UN84912	Rsa1.0_00110.1	872	132719	0	851	859	99 -	14	872	83379	84237
UN84913	Rsa1.0_01458.1	872	175719	0	860	882	97 +	13	872	1375	2256
UN84914	Rsa1.0_00022.1	827	200461	0	827	828	99 -	1	827	194130	194957
UN84915	Rsa1.0_00377.1	889	90038	0	526	566	92 +	351	886	17523	18088
UN84916	Rsa1.0_07974.1	828	8147	0	805	840	95 -	1	828	6682	7510
UN84917	Rsa1.0_02821.1	870	27602	2.00E-82	238	264	90 -	608	870	11165	11428
UN84918	Rsa1.0_00271.1	864	101125	0	424	424	100 +	291	714	99837	100260
UN84919	Rsa1.0_00655.1	866	195840	0	821	869	94 +	1	866	6619	7472
UN84920	Rsa1.0_00575.1	830	74791	0	424	438	96 +	392	829	54877	55311
UN84921	Rsa1.0_01638.1	488	41857	7.00E-90	201	212	94 +	100	311	35702	35913
UN84922	Rsa1.0_00034.1	823	260119	0	823	823	100 +	1	823	100628	101450
UN84923	Rsa1.0_00798.1	859	63945	0	742	812	91 -	9	807	21539	22320
UN84924	Rsa1.0_14316.1	903	3538	0	725	728	99 +	95	822	2811	3538
UN84925	Rsa1.0_00202.1	856	185895	0	779	779	100 +	1	779	9031	9809
UN84926	Rsa1.0_01013.1	877	56822	1.00E-144	300	312	96 -	566	877	45895	46205
UN84927	Rsa1.0_02798.1	855	27792	0	852	853	99 -	4	855	11025	11877
UN84928	Rsa1.0_04264.1	812	18207	2.00E-70	142	144	98 -	587	730	11107	11250
UN84929	Rsa1.0_00534.1	855	77361	0	391	392	99 +	1	392	51922	52313
UN84930	Rsa1.0_00081.1	631	143261	0	631	631	100 +	1	631	78021	78651
UN84931	Rsa1.0_00821.1	919	62891	0	914	921	99 +	1	919	51390	52308
UN84932	Rsa1.0_01937.1	862	37147	1.00E-144	259	259	100 -	604	862	25440	25698
UN84933	Rsa1.0_06677.1	807	10560	0	807	807	100 -	1	807	5705	6511
UN84934	Rsa1.0_00016.1	849	831256	0	849	849	100 -	1	849	499256	500104
UN84935	Rsa1.0_04544.1	830	16917	1.00E-144	293	304	96 +	527	830	11713	12016
UN84936	Rsa1.0_00427.1	870	189678	0	339	339	100 +	178	516	37190	37528
UN84937	Rsa1.0_04536.1	306	16947	1.00E-118	284	303	93 -	5	306	7151	7451
UN84938	Rsa1.0_00198.1	836	222963	2.33E-156	308	324	95 +	3	313	105083	105406
UN84939	Rsa1.0_00294.1	827	144860	1.00E-104	212	218	97 -	77	294	62616	62830
UN84940	Rsa1.0_01726.1	814	40263	0	401	402	99 +	1	401	26695	27096

UN85019	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85020	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85021	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85022	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85023	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85024	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85025	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85026	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85027	Rsa1.0_01236.1	197	50156	1.00E-21	120	132	90 -		4	126	45216	45347	
UN85028	Rsa1.0_00083.1	153	442773	2.00E-22	81	90	90 +		64	153	400412	400501	
UN85029	Rsa1.0_02329.1	184	32474	1.00E-18	76	83	91 +		67	146	10311	10393	
UN85030	Rsa1.0_02064.1	196	35476	8.00E-29	118	130	90 -		8	129	16728	16857	
UN85031	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85032	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85033	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85034	Rsa1.0_02516.1	193	30608	6.00E-11	57	63	90 +		1	62	20229	20291	
UN85035	Rsa1.0_00143.1	184	121313	2.00E-69	173	181	95 +		8	184	64287	64467	
UN85036	Rsa1.0_09876.1	236	6108	3.00E-75	217	231	93 +		17	236	2311	2539	
UN85037	Rsa1.0_04352.1	173	17779	3.00E-19	75	81	92 +		14	92	3268	3348	
UN85038	Rsa1.0_05269.1	144	14311	8.00E-13	67	73	91 -		21	89	6821	6893	
UN85039	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85040	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85041	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85042	Rsa1.0_01004.1	185	56975	1.00E-30	159	180	88 +		1	168	3683	3862	
UN85043	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85044	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85045	Rsa1.0_20497.1	218	1299	7.00E-42	144	157	91 +		52	201	306	462	
UN85046	Rsa1.0_00169.1	154	274298	4.00E-33	144	160	90 +		1	154	94746	94905	
UN85047	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85048	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85049	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85050	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85051	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85052	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85053	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85054	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85055	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85056	#	#	#	#	#	#	#	#	#	#	#	#	#
UN85057	Rsa1.0_00814.1	201	63073	9.00E-35	184	210	87 +		1	201	3198	3407	

