

Table S1

blastp

Iteration: 0

Query:

RID: KK8J6DHT015

Database: nr

Fields: query id, subject ids, % identity, % positives, alignment length, mismatches, gap opens,

898 hits found

unnamed	gi 16079767	100	100	285	0	0
unnamed	gi 430755840	99.65	100	285	1	0
unnamed	gi 449095149	98.95	99.3	285	3	0
unnamed	gi 516292751	98.6	98.95	285	4	0
unnamed	gi 384176288	98.25	99.3	285	5	0
unnamed	gi 428280151	97.89	98.95	285	6	0
unnamed	gi 545117568	97.89	98.6	285	6	0
unnamed	gi 386759260	97.54	98.6	285	7	0
unnamed	gi 321312221	97.54	97.89	285	7	0
unnamed	gi 518088803	95.79	98.6	285	12	0
unnamed	gi 489330062	95.79	98.6	285	12	0
unnamed	gi 305675297	94.74	97.89	285	15	0
unnamed	gi 350266880	94.74	97.89	285	15	0
unnamed	gi 518544982	94.04	97.19	285	17	0
unnamed	gi 498020924	93.33	97.89	285	19	0
unnamed	gi 515503793	81.47	93.71	286	52	1
unnamed	gi 494883764	81.82	93.01	286	51	1
unnamed	gi 308172500	81.12	93.01	286	53	1
unnamed	gi 568176318	81.47	93.01	286	52	1
unnamed	gi 154685118	81.47	93.01	286	52	1
unnamed	gi 452854621	81.47	93.01	286	52	1
unnamed	gi 545133883	81.47	93.01	286	52	1
unnamed	gi 384264201	81.47	93.01	286	52	1
unnamed	gi 489247651	81.12	93.36	286	53	1
unnamed	gi 530568429	81.12	93.36	286	53	1
unnamed	gi 375361324	81.12	93.01	286	53	1
unnamed	gi 515988421	80.77	93.01	286	54	1
unnamed	gi 498486110	76.49	89.82	285	67	0
unnamed	gi 311067088	76.14	89.82	285	68	0
unnamed	gi 493688771	81.12	90.56	286	53	1
unnamed	gi 489271484	74.48	88.46	286	72	1
unnamed	gi 52079037	74.48	88.11	286	72	1
unnamed	gi 511061459	73.43	88.46	286	75	1

unnamed	gi 584583183	73.78	87.76	286	74	1
unnamed	gi 515136413	55.56	79.51	288	124	2
unnamed	gi 384045510	54.51	79.17	288	127	2
unnamed	gi 294500639	54.86	79.17	288	126	2
unnamed	gi 295705992	55.21	78.82	288	125	2
unnamed	gi 518573218	54.2	73.78	286	129	2
unnamed	gi 494762022	54.2	73.78	286	129	2
unnamed	gi 157694452	53.85	73.78	286	130	2
unnamed	gi 594025497	53.15	73.78	286	132	2
unnamed	gi 489307457	54.2	73.78	286	129	2
unnamed	gi 495622957	53.5	73.78	286	131	2
unnamed	gi 515937874	53.5	73.78	286	131	2
unnamed	gi 495634542	52.63	72.28	285	134	1
unnamed	gi 494213570	48.47	67.12	295	141	3
unnamed	gi 489425692	46.26	69.73	294	148	4
unnamed	gi 169828834	48.65	65.88	296	140	5
unnamed	gi 490350953	48.82	66.33	297	139	6
unnamed	gi 517584129	49.15	65.87	293	140	4
unnamed	gi 495457112	47.65	66.11	298	142	6
unnamed	gi 493232334	46.26	64.63	294	148	3
unnamed	gi 497780557	47.42	65.98	291	145	3
unnamed	gi 573584812	48.31	65.88	296	141	5
unnamed	gi 573531864	46.26	64.29	294	148	3
unnamed	gi 512483909	46.92	65.07	292	146	3
unnamed	gi 385778167	46.31	66.11	298	146	4
unnamed	gi 125973950	46.31	66.11	298	146	4
unnamed	gi 496351561	46.84	66.11	301	144	5
unnamed	gi 518918267	47.84	66.11	301	141	6
unnamed	gi 489422799	72.84	88.89	162	44	0
unnamed	gi 261404313	44.22	64.63	294	154	3
unnamed	gi 518071632	47.92	64.58	288	141	3
unnamed	gi 402574332	46.98	65.44	298	145	6
unnamed	gi 515820194	45.92	66.33	294	143	5
unnamed	gi 499131542	47.3	64.53	296	144	5
unnamed	gi 495684281	47.28	64.97	294	144	4
unnamed	gi 544840272	46.39	67.01	291	148	3
unnamed	gi 497281662	43.54	63.27	294	156	3
unnamed	gi 488642450	46.31	64.43	298	146	3
unnamed	gi 489503132	46.31	64.43	298	146	3
unnamed	gi 573540592	41.75	65.32	297	160	4
unnamed	gi 407475024	46.49	65.22	299	145	4

unnamed	gi 56622667:	45.64	64.77	298	148	3
unnamed	gi 49745240:	44.83	65.86	290	152	4
unnamed	gi 57358586:	48.97	66.21	290	138	4
unnamed	gi 59782867:	47.74	63.41	287	137	6
unnamed	gi 57354568:	41.61	65.77	298	159	6
unnamed	gi 33279896:	44.78	65.32	297	148	4
unnamed	gi 55507742:	44.78	65.32	297	148	4
unnamed	gi 51511225:	46.49	64.21	299	142	6
unnamed	gi 56587857:	45.72	63.57	269	137	3
unnamed	gi 57356742:	42.57	63.18	296	158	4
unnamed	gi 49505482:	42.09	64.31	297	159	4
unnamed	gi 49568384:	41.98	69.97	293	159	6
unnamed	gi 32679298:	43.49	64.73	292	153	6
unnamed	gi 49473728:	42.31	62.94	286	163	2
unnamed	gi 49481118:	41.96	62.94	286	164	2
unnamed	gi 58539601:	42.57	60.81	296	158	4
unnamed	gi 43179289:	41.69	62.71	295	161	3
unnamed	gi 39320128:	41.3	69.62	293	161	6
unnamed	gi 54784082:	43.06	62.15	288	158	4
unnamed	gi 89896976:	42.81	64.88	299	156	5
unnamed	gi 51701581:	42.81	64.55	299	156	5
unnamed	gi 21966715:	42.67	64	300	157	5
unnamed	gi 51868798:	42.81	64.21	299	156	5
unnamed	gi 55782714:	44.67	62.89	291	148	7
unnamed	gi 31065967:	45.02	65.98	291	148	5
unnamed	gi 39239262:	41.81	63.88	299	159	5
unnamed	gi 57358465:	45.24	63.27	294	149	5
unnamed	gi 25179680:	42.95	60.74	298	156	4
unnamed	gi 54505925:	43.17	62.95	278	145	6
unnamed	gi 51083135:	40.7	63.51	285	167	2
unnamed	gi 48951528:	45.67	60.55	289	137	8
unnamed	gi 54469757:	41.34	62.19	283	154	5
unnamed	gi 54505831:	42.09	62.59	278	148	6
unnamed	gi 49169327:	49.1	68.92	222	107	2
unnamed	gi 49103148:	40.61	61.77	293	157	6
unnamed	gi 12669916:	44.79	59.72	288	141	7
unnamed	gi 51509933:	44.79	59.72	288	141	7
unnamed	gi 54496074:	44.79	59.72	288	141	7
unnamed	gi 28943370:	39.31	61.38	290	159	3
unnamed	gi 26068317:	44.79	59.72	288	141	7
unnamed	gi 54497242:	44.79	59.38	288	141	7

unnamed	gi 54498622:	43.01	58.74	286	149	5
unnamed	gi 544969560	44.44	59.38	288	142	7
unnamed	gi 54929932:	44.79	59.38	288	141	7
unnamed	gi 48952502:	44.44	59.38	288	142	7
unnamed	gi 54495511:	44.44	59.38	288	142	7
unnamed	gi 545051670	44.44	59.38	288	142	7
unnamed	gi 34754781:	39.51	60.84	286	164	4
unnamed	gi 583837060	39.51	60.84	286	164	4
unnamed	gi 495450320	39.33	57.67	300	166	4
unnamed	gi 49361503:	39.18	60.82	291	162	6
unnamed	gi 489507780	40.22	60.52	271	156	3
unnamed	gi 489524924	40.22	60.52	271	156	3
unnamed	gi 48864570:	40.22	60.52	271	156	3
unnamed	gi 496596180	38.49	60.82	291	164	6
unnamed	gi 57779883:	41.95	61.02	236	136	1
unnamed	gi 517420074	36.62	58.1	284	170	4
unnamed	gi 498524319	35.99	55.36	289	174	4
unnamed	gi 498407749	35.99	55.36	289	174	4
unnamed	gi 49847142:	35.99	55.36	289	174	4
unnamed	gi 428768284	35.99	55.36	289	174	4
unnamed	gi 38451441:	35.99	55.36	289	174	4
unnamed	gi 48830483:	35.99	55.36	289	174	4
unnamed	gi 397701320	35.99	55.36	289	174	4
unnamed	gi 488287789	35.99	55.36	289	174	4
unnamed	gi 48833313:	35.99	55.36	289	174	4
unnamed	gi 51489801:	35.99	55.02	289	174	4
unnamed	gi 49852212:	35.99	55.36	289	174	4
unnamed	gi 49852832:	35.99	55.36	289	174	4
unnamed	gi 48831381:	35.99	55.02	289	174	4
unnamed	gi 29377629	35.99	55.36	289	174	4
unnamed	gi 514886594	35.99	55.36	289	174	4
unnamed	gi 49839960:	35.99	55.36	289	174	4
unnamed	gi 498393274	35.99	55.36	289	174	4
unnamed	gi 49851772:	35.99	55.02	289	174	4
unnamed	gi 54730129:	37.76	57.34	286	161	8
unnamed	gi 48829626:	35.64	55.02	289	175	4
unnamed	gi 57366343:	35.64	55.36	289	175	4
unnamed	gi 313630204	39.09	59.26	243	146	2
unnamed	gi 48831578:	35.64	55.02	289	175	4
unnamed	gi 48833175:	35.64	55.02	289	175	4
unnamed	gi 48867477:	38.89	58.68	288	155	9

unnamed	gi 488338459	35.99	54.67	289	174	4
unnamed	gi 488326619	35.64	55.02	289	175	4
unnamed	gi 488323317	36.82	55.6	277	164	4
unnamed	gi 488325353	35.64	55.02	289	175	4
unnamed	gi 488319236	35.29	54.67	289	176	4
unnamed	gi 544986196	41.95	57.2	236	132	3
unnamed	gi 34761997	34.95	54.33	289	177	4
unnamed	gi 546668083	34.46	56.76	296	172	7
unnamed	gi 498266519	35.37	56.12	294	172	6
unnamed	gi 545029898	39.83	56.36	236	138	2
unnamed	gi 544958607	39.83	56.36	236	138	2
unnamed	gi 515099337	39.83	55.93	236	138	2
unnamed	gi 495998060	35.31	53.85	286	172	5
unnamed	gi 544972433	39.41	56.36	236	139	2
unnamed	gi 544967596	39.41	55.93	236	139	2
unnamed	gi 545016443	39.41	55.51	236	139	2
unnamed	gi 544959667	38.98	55.51	236	140	2
unnamed	gi 496653627	32.14	53.25	308	169	6
unnamed	gi 498473699	31.97	56.12	294	182	6
unnamed	gi 489594507	32.14	53.25	308	169	6
unnamed	gi 493485496	33.56	55.14	292	169	6
unnamed	gi 514895297	37.12	56.44	264	155	6
unnamed	gi 511046877	36.1	54.31	313	170	7
unnamed	gi 495142969	34.97	54.2	286	169	6
unnamed	gi 544962094	39.41	55.08	236	139	2
unnamed	gi 514885634	35.64	54.67	289	175	4
unnamed	gi 488262913	31.63	55.78	294	183	6
unnamed	gi 488246683	31.63	55.78	294	183	6
unnamed	gi 497582333	38.98	55.08	236	140	2
unnamed	gi 494983819	33.69	56.38	282	176	6
unnamed	gi 383329398	31.63	55.78	294	183	6
unnamed	gi 544957514	38.56	55.51	236	141	2
unnamed	gi 389869256	31.63	55.78	294	183	6
unnamed	gi 497588389	38.56	55.51	236	141	2
unnamed	gi 488234989	31.63	55.78	294	183	6
unnamed	gi 489531927	38.56	55.51	236	141	2
unnamed	gi 126699164	38.56	55.51	236	141	2
unnamed	gi 498421399	31.63	55.78	294	183	6
unnamed	gi 488307533	31.63	55.78	294	183	6
unnamed	gi 545047927	38.98	55.08	236	140	2
unnamed	gi 545026583	38.14	55.51	236	142	2

unnamed	gi 544953439	38.56	55.08	236	141	2
unnamed	gi 493835469	36.01	56.64	286	172	5
unnamed	gi 488223920	31.63	55.44	294	183	6
unnamed	gi 544978114	38.56	55.08	236	141	2
unnamed	gi 514881779	34.23	57.31	260	166	3
unnamed	gi 549299320	45.21	60.11	188	99	2
unnamed	gi 498408809	32.55	55.37	298	177	7
unnamed	gi 547313959	35.37	52.41	311	165	8
unnamed	gi 544955119	38.14	55.08	236	142	2
unnamed	gi 392988899	32.55	55.03	298	177	7
unnamed	gi 486822869	33.33	56.2	258	160	5
unnamed	gi 514892960	33.46	57.31	260	168	3
unnamed	gi 488273240	32.95	56.59	258	161	5
unnamed	gi 491375159	33.46	57.31	260	168	3
unnamed	gi 488237349	32.95	56.59	258	161	5
unnamed	gi 495657240	33.46	57.31	260	168	3
unnamed	gi 488274068	31.6	56.13	269	173	5
unnamed	gi 488221619	32.95	56.59	258	161	5
unnamed	gi 488243459	32.95	56.59	258	161	5
unnamed	gi 488264799	32.95	56.59	258	161	5
unnamed	gi 488249069	32.95	56.59	258	161	5
unnamed	gi 260683179	37.29	55.08	236	144	2
unnamed	gi 498415649	32.95	56.59	258	161	5
unnamed	gi 488269699	32.95	56.59	258	161	5
unnamed	gi 544963329	38.56	54.24	236	141	2
unnamed	gi 514906238	32.95	56.59	258	161	5
unnamed	gi 488271640	32.56	56.2	258	162	5
unnamed	gi 488229240	32.56	56.59	258	162	5
unnamed	gi 547940239	33.45	56.76	296	181	9
unnamed	gi 547848729	35.16	52.01	273	166	6
unnamed	gi 488637369	35.19	54.36	287	173	6
unnamed	gi 488661184	35.19	54.36	287	173	6
unnamed	gi 488634559	35.19	54.36	287	173	6
unnamed	gi 547964959	35.14	51.45	276	168	6
unnamed	gi 510872560	33.77	53.57	308	171	8
unnamed	gi 258515768	34.04	56.03	282	176	6
unnamed	gi 488632769	34.84	54.36	287	174	6
unnamed	gi 494096919	35.21	54.23	284	171	6
unnamed	gi 547791029	35.69	54.77	283	169	6
unnamed	gi 488647839	35.69	54.77	283	169	6
unnamed	gi 589402469	35.79	57.19	285	166	9

unnamed	gi 54679876!	34.84	54.36	287	174	6
unnamed	gi 49069648!	33.45	51.22	287	168	6
unnamed	gi 48952502!	44.09	58.6	186	100	2
unnamed	gi 51080260!	31.08	53.72	296	183	7
unnamed	gi 48942280!	81.25	91.25	80	15	0
unnamed	gi 49253932!	30.33	52.33	300	180	6
unnamed	gi 49844698!	33.74	53.66	246	153	3
unnamed	gi 55868525!	32.87	56.4	289	180	6
unnamed	gi 54783481!	31.85	58.56	292	183	7
unnamed	gi 51103338!	32.08	49.06	318	175	7
unnamed	gi 30238672!	34.16	54.09	281	172	7
unnamed	gi 54564017!	36.55	53.41	249	148	5
unnamed	gi 54825917!	32.01	54.32	278	176	6
unnamed	gi 49843050!	32.18	56.06	289	182	6
unnamed	gi 49295036!	29.89	52.31	281	182	5
unnamed	gi 54746791!	36.44	56.44	225	129	5
unnamed	gi 49806084!	31.36	49.83	287	174	6
unnamed	gi 54504399!	51.95	62.99	154	69	3
unnamed	gi 49093553!	28.47	54.17	288	195	5
unnamed	gi 49391030!	35.14	50.34	296	166	6
unnamed	gi 49016626!	32.88	55.48	292	181	7
unnamed	gi 47914803!	35.14	50.34	296	166	6
unnamed	gi 47920257!	35.14	50.34	296	166	6
unnamed	gi 51105247!	33.76	51.91	314	175	10
unnamed	gi 54788503!	35.51	54.21	214	129	3
unnamed	gi 54647292!	33.92	53	283	174	6
unnamed	gi 49339923!	30.47	51.25	279	180	3
unnamed	gi 54773079!	34.69	51.43	245	142	5
unnamed	gi 49382936!	40.31	58.64	191	105	5
unnamed	gi 54731331!	33.6	55.34	253	149	7
unnamed	gi 49657118!	29.49	53.22	295	186	6
unnamed	gi 54721301!	32.29	55.21	288	177	8
unnamed	gi 54790998!	31.27	49.85	323	169	10
unnamed	gi 54832906!	32.4	52.4	250	153	4
unnamed	gi 49094142!	33.73	54.22	249	152	6
unnamed	gi 54821953!	35.86	54.48	290	172	7
unnamed	gi 54566841!	33.76	51.28	234	147	5
unnamed	gi 49650759!	31.78	50	258	161	6
unnamed	gi 51102977!	33.33	53.33	240	143	5
unnamed	gi 54640509!	28.42	48.63	292	193	7
unnamed	gi 54774018!	30.67	50	326	172	9

unnamed	gi 49361909f	30.88	53.68	285	180	6
unnamed	gi 54786796f	34.07	53.1	226	144	4
unnamed	gi 51176380f	35.25	52.05	244	145	6
unnamed	gi 31312446f	35.66	51.64	244	144	6
unnamed	gi 48971187f	35.66	51.64	244	144	6
unnamed	gi 11651469f	35.92	52.24	245	142	7
unnamed	gi 49539368f	30.98	48.48	297	166	10
unnamed	gi 34753148f	31.4	52.07	242	144	5
unnamed	gi 53785424f	31.27	46.72	259	155	6
unnamed	gi 54818783f	28.98	51.94	283	180	7
unnamed	gi 48970801f	35.51	52.24	245	143	7
unnamed	gi 16087972f	27.72	49.82	285	196	6
unnamed	gi 48868533f	27.21	51.36	294	194	6
unnamed	gi 48971790f	35.51	51.84	245	143	7
unnamed	gi 49383163f	31.31	51.18	297	169	9
unnamed	gi 54789582f	27.21	51.02	294	194	6
unnamed	gi 49656975f	27.21	51.02	294	194	6
unnamed	gi 49475469f	28.07	50.18	285	189	5
unnamed	gi 54540156f	27.39	46.5	314	181	6
unnamed	gi 49654887f	27.52	48.66	298	174	7
unnamed	gi 37429794f	32.62	54.08	233	143	5
unnamed	gi 54712686f	28.16	51.13	309	188	7
unnamed	gi 49513443f	28.47	50.51	295	178	8
unnamed	gi 49609232f	27.21	50.68	294	194	6
unnamed	gi 54539483f	27.92	47.4	308	170	8
unnamed	gi 49655124f	27.72	49.82	285	190	5
unnamed	gi 54796103f	30.64	48.48	297	167	10
unnamed	gi 54824687f	32.63	50.42	236	143	4
unnamed	gi 49727439f	26.87	50.68	294	195	6
unnamed	gi 54794440f	27.46	51.76	284	183	8
unnamed	gi 10477457f	35.1	51.84	245	144	7
unnamed	gi 48972029f	35.1	51.84	245	144	7
unnamed	gi 54469202f	56.67	74.44	90	37	1
unnamed	gi 49567377f	30.6	46.64	268	156	6
unnamed	gi 54820480f	40.67	59.33	150	84	2
unnamed	gi 49573728f	31.66	49.03	259	161	6
unnamed	gi 49724365f	32.05	49.03	259	160	7
unnamed	gi 47933869f	39.16	54.55	143	86	1
unnamed	gi 49355194f	41.48	62.96	135	78	1
unnamed	gi 49383712f	28.83	49.47	281	181	6
unnamed	gi 49729280f	28.83	49.47	281	181	6

unnamed	gi 495677739	29.11	47.6	292	170	8
unnamed	gi 547203489	29.11	47.6	292	170	8
unnamed	gi 545389680	30.3	51.08	231	148	4
unnamed	gi 495992857	25.84	47.65	298	185	7
unnamed	gi 494993779	28.57	50.34	294	175	9
unnamed	gi 489595917	29.83	48.32	238	146	5
unnamed	gi 496656400	29.83	48.32	238	146	5
unnamed	gi 547944954	32.73	54.09	220	133	7
unnamed	gi 496063679	27.21	49.12	283	185	5
unnamed	gi 589401890	30.17	46.78	295	173	8
unnamed	gi 495986139	29.63	53.97	189	125	3
unnamed	gi 547726263	32.73	52.27	220	132	5
unnamed	gi 547469410	33.1	53.1	290	167	9
unnamed	gi 512176133	30.04	51.57	223	135	6
unnamed	gi 488636023	25.16	46.27	322	197	9
unnamed	gi 488628304	25.16	46.58	322	197	9
unnamed	gi 565632697	29.72	53.3	212	142	3
unnamed	gi 547883763	26.86	49.47	283	182	10
unnamed	gi 495672777	28.04	52.03	296	176	13
unnamed	gi 547229487	28.38	52.03	296	175	13
unnamed	gi 548181708	31.34	52.74	201	126	5
unnamed	gi 479337380	27.7	51.69	296	177	13
unnamed	gi 597828184	31.54	45.77	260	154	6
unnamed	gi 496989177	25.74	45.22	272	158	4
unnamed	gi 489510584	29.83	45.8	238	152	4
unnamed	gi 497218257	26.3	51.11	270	178	9
unnamed	gi 497220197	27.44	47.74	266	153	6
unnamed	gi 497222217	25.37	44.85	272	159	4
unnamed	gi 493837124	32.5	52.5	200	115	6
unnamed	gi 547964600	26.86	45.63	309	178	9
unnamed	gi 547847547	26.54	44.66	309	179	8
unnamed	gi 547718247	25.1	50.59	255	173	5
unnamed	gi 545043990	38.46	58.46	130	73	3
unnamed	gi 494269908	28.21	45.71	280	165	7
unnamed	gi 511081549	24.56	44.84	281	191	8
unnamed	gi 488661507	24.12	45.02	311	188	8
unnamed	gi 495671543	25.51	48.56	243	154	7
unnamed	gi 488638588	24.12	45.02	311	188	8
unnamed	gi 547228473	25.51	48.56	243	154	7
unnamed	gi 496065414	30.3	50.22	231	140	7
unnamed	gi 547301293	27.19	47.81	228	146	6

unnamed	gi 55122149:	24.24	42.93	198	133	4
unnamed	gi 56826555:	32.63	49.47	190	109	8
unnamed	gi 49382935:	26.75	47.37	228	147	6
unnamed	gi 55122075:	23.27	48.51	202	135	4
unnamed	gi 49626797:	23.57	45.71	280	192	7
unnamed	gi 48867478:	26.75	47.81	228	147	6
unnamed	gi 54794500:	26.2	46.72	229	141	7
unnamed	gi 54562504:	22.18	46.13	284	193	9
unnamed	gi 56589672:	29.75	50.41	242	138	11
unnamed	gi 49736173:	28.42	45.79	190	112	7
unnamed	gi 15001519:	29.75	50.41	242	138	11
unnamed	gi 13430066:	30.24	47.18	248	150	9
unnamed	gi 57354745:	30.85	43.78	201	98	7
unnamed	gi 11456714:	28.92	46.18	249	118	11
unnamed	gi 32679126:	27.38	45.63	252	152	8
unnamed	gi 51511288:	33.71	45.71	175	97	6
unnamed	gi 22631515:	33.71	45.71	175	97	6
unnamed	gi 51820986:	31.02	47.06	187	110	6
unnamed	gi 51582172:	33.14	45.71	175	98	6
unnamed	gi 49499402:	33.14	45.71	175	98	6
unnamed	gi 51577714:	29.75	48.76	242	138	11
unnamed	gi 49669433:	31.02	46.52	187	110	6
unnamed	gi 51758817:	30.5	47.5	200	118	8
unnamed	gi 48877652:	28.97	47.66	214	129	7
unnamed	gi 49505248:	32	44	175	100	6
unnamed	gi 49238585:	32	44	175	100	6
unnamed	gi 55904026:	29.71	47.43	175	104	6
unnamed	gi 38445527:	30.43	48.79	207	122	9
unnamed	gi 28211483:	26.61	47.98	248	158	8
unnamed	gi 49470520:	30.58	49.03	206	121	9
unnamed	gi 34273184:	30.58	49.03	206	121	9
unnamed	gi 49295120:	23.36	44.53	274	184	7
unnamed	gi 49238618:	27.8	41.31	259	151	9
unnamed	gi 49506125:	27.8	41.31	259	151	9
unnamed	gi 49606817:	30.43	58.26	115	76	3
unnamed	gi 33433969:	30.65	47.74	199	113	9
unnamed	gi 48963510:	30.43	58.26	115	76	3
unnamed	gi 55015677:	31.53	50.25	203	118	9
unnamed	gi 55760590:	27.02	47.58	248	157	8
unnamed	gi 25179672:	29	44.5	200	121	7
unnamed	gi 33280028:	31.16	46.73	199	110	8

unnamed	gi 497362428	27.5	45.5	200	124	8
unnamed	gi 583920888	32.02	45.51	178	102	6
unnamed	gi 489435779	30.54	50.74	203	120	9
unnamed	gi 310657753	33.66	47.8	205	116	9
unnamed	gi 491356670	39.24	67.09	79	44	3
unnamed	gi 547451480	27.63	45.14	257	143	10
unnamed	gi 489520303	30.43	47.39	230	131	11
unnamed	gi 489513068	30.87	47.83	230	130	11
unnamed	gi 495575063	29.05	45.25	179	108	6
unnamed	gi 545026238	30.43	47.39	230	131	11
unnamed	gi 545382830	28.16	48.06	206	124	8
unnamed	gi 511071587	28.57	48.81	168	94	4
unnamed	gi 544961660	30.43	47.39	230	131	11
unnamed	gi 494496963	27.63	45.14	257	143	10
unnamed	gi 544968447	30.43	47.39	230	131	11
unnamed	gi 260682243	30.43	47.39	230	131	11
unnamed	gi 126698127	30.43	47.39	230	131	11
unnamed	gi 544971788	30.43	47.39	230	131	11
unnamed	gi 550916827	29.95	49.24	197	118	8
unnamed	gi 515099347	30.43	47.39	230	131	11
unnamed	gi 261406400	27.36	47.76	201	125	9
unnamed	gi 494214934	28.86	46.77	201	122	8
unnamed	gi 489515287	42.47	58.9	73	37	2
unnamed	gi 545058590	32.46	50.26	191	102	7
unnamed	gi 489485093	26.74	45.99	187	118	7
unnamed	gi 573574564	34.44	57.78	90	59	0
unnamed	gi 517950747	31.49	45.86	181	105	8
unnamed	gi 495702243	31.02	50.27	187	109	9
unnamed	gi 495956434	29.9	49.51	204	103	9
unnamed	gi 545055293	32.46	50.26	191	102	7
unnamed	gi 515948650	29.03	42.47	186	113	6
unnamed	gi 451817210	28.71	48.51	202	122	9
unnamed	gi 489417647	28.72	49.23	195	106	7
unnamed	gi 515816733	25.23	49.07	214	120	10
unnamed	gi 288555207	28.65	44.86	185	107	6
unnamed	gi 488646109	31.85	51.11	135	78	5
unnamed	gi 489505957	31.58	51.13	133	81	4
unnamed	gi 489525200	33.09	50.74	136	69	5
unnamed	gi 251796679	31.61	45.98	174	100	7
unnamed	gi 496459153	28.34	50.8	187	114	7
unnamed	gi 512485120	28.22	42.08	202	110	7

unnamed	gi 547847548	29.53	49.66	149	94	4
unnamed	gi 517499690	29.69	42.71	192	114	7
unnamed	gi 331270593	29.65	45.73	199	117	7
unnamed	gi 599128647	29.51	45.36	183	114	6
unnamed	gi 489493583	25.48	46.63	208	133	8
unnamed	gi 544868809	30.6	47.54	183	106	7
unnamed	gi 497279290	27.27	46.52	187	117	8
unnamed	gi 550549850	28.11	44.32	185	108	6
unnamed	gi 158319153	28.14	48.24	199	115	8
unnamed	gi 492906410	29.65	43.02	172	106	4
unnamed	gi 516287724	33.33	61.29	93	56	3
unnamed	gi 544984997	32.85	48.91	137	82	4
unnamed	gi 517588884	26.8	47.42	194	121	6
unnamed	gi 547295219	27.08	49.48	192	129	6
unnamed	gi 148378990	30.53	44.74	190	111	8
unnamed	gi 494213140	32.26	59.14	93	61	2
unnamed	gi 517205489	30.96	44.16	197	114	8
unnamed	gi 517420480	31.55	50.6	168	93	7
unnamed	gi 153932938	30.17	44.13	179	106	7
unnamed	gi 489483459	28.92	41.18	204	103	10
unnamed	gi 384047329	29.32	49.74	191	115	8
unnamed	gi 591273650	27.51	48.68	189	117	6
unnamed	gi 515984483	29.35	46.27	201	121	9
unnamed	gi 160879197	25.94	43.69	293	181	8
unnamed	gi 522105063	28.74	46.11	167	104	5
unnamed	gi 545381563	26.95	43.75	256	157	10
unnamed	gi 114567277	25.12	47.87	211	134	7
unnamed	gi 489549883	27.15	47.51	221	138	9
unnamed	gi 491697704	32.35	47.79	136	66	5
unnamed	gi 494996204	32.58	55.06	89	53	2
unnamed	gi 518363750	27.72	44.57	184	108	8
unnamed	gi 559779963	29.8	44.44	198	118	7
unnamed	gi 496754679	25.98	47.06	204	129	8
unnamed	gi 515821623	30	45	200	116	9
unnamed	gi 544692019	34.44	55.56	90	55	1
unnamed	gi 220932330	29.61	47.49	179	106	7
unnamed	gi 496184387	29.47	50.53	190	114	8
unnamed	gi 497880200	28.12	44.79	192	119	7
unnamed	gi 544846168	32.35	47.06	136	66	5
unnamed	gi 493232798	36	65.33	75	46	2
unnamed	gi 573531639	36	65.33	75	46	2

unnamed	gi 147678690	25.7	45.33	214	139	8
unnamed	gi 497174270	25.56	45.56	180	115	6
unnamed	gi 494999490	29.08	44.9	196	117	8
unnamed	gi 518469840	26.29	44.85	194	124	6
unnamed	gi 493366100	26.47	46.08	204	128	8
unnamed	gi 573543370	38.96	62.34	77	41	3
unnamed	gi 573542620	26.87	45.77	201	126	8
unnamed	gi 489461900	25.73	47.09	206	130	7
unnamed	gi 517714580	36.19	51.43	105	57	4
unnamed	gi 517588030	35.11	58.51	94	54	4
unnamed	gi 515111100	30.23	45.58	215	121	11
unnamed	gi 565877600	30.22	44.6	139	84	5
unnamed	gi 226315060	30.23	45.12	215	121	11
unnamed	gi 187935430	28.79	41.25	257	142	11
unnamed	gi 489557770	26.7	47.51	221	139	9
unnamed	gi 565885190	34.48	57.47	87	55	2
unnamed	gi 489587000	29.8	43.43	198	118	7
unnamed	gi 491353130	29.37	51.75	143	90	5
unnamed	gi 515986590	28.77	46.58	219	115	10
unnamed	gi 489584880	30	43.16	190	112	7
unnamed	gi 517419820	40.43	58.51	94	46	4
unnamed	gi 489497470	29.47	42.63	190	113	7
unnamed	gi 493236110	26.37	45.27	201	127	8
unnamed	gi 170755260	29.47	42.63	190	113	7
unnamed	gi 550161310	27.6	42.19	192	118	8
unnamed	gi 518246350	25.49	46.57	204	130	8
unnamed	gi 517952490	28.44	45.87	218	134	10
unnamed	gi 110799110	26.24	47.51	221	140	9
unnamed	gi 489428800	27.6	42.19	192	118	8
unnamed	gi 386725120	21.1	39.45	218	116	5
unnamed	gi 379722370	21.1	39.45	218	116	5
unnamed	gi 156135800	30.05	42.08	183	99	7
unnamed	gi 544838490	26.92	43.96	182	102	6
unnamed	gi 212638020	25.98	45.59	204	129	8
unnamed	gi 573533340	36.36	61.04	77	43	3
unnamed	gi 337749440	21.1	39.45	218	116	5
unnamed	gi 110802270	27.73	45	220	138	7
unnamed	gi 544696530	29.9	50	194	104	9
unnamed	gi 575082590	28.36	44.28	201	125	7
unnamed	gi 497968920	29.21	44.94	178	107	6
unnamed	gi 489435580	27.6	42.19	192	118	8

unnamed	gi 544703130	28.95	43.16	190	114	7
unnamed	gi 515921464	28.02	41.63	257	144	11
unnamed	gi 220929361	27.38	44.44	252	140	12
unnamed	gi 387817281	28.95	43.16	190	114	7
unnamed	gi 489553330	26.24	47.51	221	140	9
unnamed	gi 226948274	28.42	44.74	190	115	8
unnamed	gi 557605400	31.07	44.07	177	107	6
unnamed	gi 497361659	23.01	43.81	226	137	8
unnamed	gi 489570591	26.24	47.06	221	140	9
unnamed	gi 498187581	22.31	43.82	251	156	9
unnamed	gi 56961848	25.67	43.85	187	102	7
unnamed	gi 550154664	28.32	47.79	113	62	2
unnamed	gi 516436951	25.12	48.79	207	122	10
unnamed	gi 546158429	24.9	43.27	245	134	8
unnamed	gi 489432281	28.32	47.79	113	62	2
unnamed	gi 489439270	28.32	47.79	113	62	2
unnamed	gi 488102608	26.45	42.98	242	149	9
unnamed	gi 408357681	30.9	45.51	178	104	6
unnamed	gi 489577861	27.07	45.85	229	128	10
unnamed	gi 517502281	27.84	48.45	97	55	1
unnamed	gi 188587721	30.07	48.25	143	83	6
unnamed	gi 496099919	28.5	45.89	207	126	8
unnamed	gi 546571321	24.88	40.09	217	106	5
unnamed	gi 489466871	30.07	48.25	143	83	6
unnamed	gi 573532351	27.6	45.31	192	118	8
unnamed	gi 516284924	27	45	200	125	8
unnamed	gi 28211046	31.64	44.07	177	106	6
unnamed	gi 493726134	27.22	42.78	180	111	6
unnamed	gi 516804970	29.06	47.29	203	104	11
unnamed	gi 507024559	26.45	42.56	242	149	9
unnamed	gi 446733091	26.14	43.57	241	149	8
unnamed	gi 386721400	29.1	42.86	189	114	8
unnamed	gi 490578721	28.16	46.6	206	124	8
unnamed	gi 544846861	25.63	41.52	277	168	11
unnamed	gi 446733400	25.61	42.68	246	154	8
unnamed	gi 557621691	25.61	42.68	246	154	8
unnamed	gi 584455251	25	41.8	256	158	8
unnamed	gi 153940178	27.93	41.9	179	110	6
unnamed	gi 490594291	25.34	47.06	221	142	9
unnamed	gi 573545681	40.28	61.11	72	32	4
unnamed	gi 294498861	27.13	48.94	188	117	8

unnamed	gi 54775409!	29.9	45.88	194	116	10
unnamed	gi 59011003!	27.37	43.68	190	106	9
unnamed	gi 44673308!	25.61	42.68	246	154	8
unnamed	gi 49787835!	34.15	57.32	82	50	2
unnamed	gi 51798649!	27.91	40.7	172	111	4
unnamed	gi 48807371!	26.02	41.46	246	153	9
unnamed	gi 57354901!	27.08	44.27	192	119	8
unnamed	gi 50703480!	26.45	42.56	242	149	9
unnamed	gi 49791990!	27.89	45.79	190	117	7
unnamed	gi 48799592!	26.47	42.44	238	146	9
unnamed	gi 54486916!	30	63.75	80	54	2
unnamed	gi 51758441!	28.18	45.3	181	111	7
unnamed	gi 17076056!	28.42	42.63	190	115	7
unnamed	gi 29570418!	27.13	48.94	188	117	8
unnamed	gi 55016057!	25.94	45.75	212	121	10
unnamed	gi 44673309!	26.14	43.15	241	149	8
unnamed	gi 11848000!	26.14	43.15	241	149	8
unnamed	gi 52140608	26.14	43.15	241	149	8
unnamed	gi 49480746	26.14	43.15	241	149	8
unnamed	gi 49470724!	30.26	50.66	152	90	7
unnamed	gi 37626882!	26.14	43.15	241	149	8
unnamed	gi 18311293	25.34	47.06	221	142	9
unnamed	gi 51513511!	27.53	48.88	178	110	7
unnamed	gi 58539601!	26.64	45.56	259	152	13
unnamed	gi 22586689!	26.14	43.15	241	149	8
unnamed	gi 40747306!	29.5	47.48	139	85	5
unnamed	gi 44673309!	26.14	42.32	241	149	8
unnamed	gi 49651670!	23.26	40.7	258	136	8
unnamed	gi 51825370!	27.22	43.89	180	111	6
unnamed	gi 18858490!	32.17	54.78	115	68	5
unnamed	gi 18858931!	27.08	47.92	144	81	6
unnamed	gi 33774527!	28.57	42.86	189	115	8
unnamed	gi 51643776!	30.23	49.61	129	78	5
unnamed	gi 51513625!	25	45.83	192	121	8
unnamed	gi 40691453!	22.9	45.79	214	136	9
unnamed	gi 29570565!	25.39	46.11	193	119	9
unnamed	gi 48954216!	34.29	54.29	105	59	4
unnamed	gi 51613107!	26.16	43.46	237	146	8
unnamed	gi 48943140!	30.05	50.74	203	121	9
unnamed	gi 49421357!	22.36	43.88	237	159	9
unnamed	gi 30105640!	26.14	42.74	241	149	8

unnamed	gi 547233204	28.16	46.6	206	112	10
unnamed	gi 489383179	26.05	43.28	238	147	8
unnamed	gi 446735049	26.97	43.15	241	147	9
unnamed	gi 488058301	26.45	42.56	242	149	9
unnamed	gi 489388989	26.05	43.28	238	147	8
unnamed	gi 487930287	26.05	43.28	238	147	8
unnamed	gi 409739781	34.23	43.24	111	63	4
unnamed	gi 488772701	33.33	54.29	105	60	4
unnamed	gi 488053008	26.75	41.98	243	147	10
unnamed	gi 515986288	32.88	63.01	73	47	2
unnamed	gi 517581639	25.93	43.92	189	117	7
unnamed	gi 488041191	26.03	42.15	242	150	9
unnamed	gi 488088640	26.03	42.15	242	150	9
unnamed	gi 545059729	30.08	50.38	133	77	6
unnamed	gi 488017891	26.45	42.56	242	149	9
unnamed	gi 498363033	28.08	47.95	146	87	5
unnamed	gi 488096069	26.45	42.56	242	149	9
unnamed	gi 302873229	30.43	48.91	184	102	10
unnamed	gi 489468431	23.67	47.34	207	125	9
unnamed	gi 313203030	32.54	45.24	126	79	4
unnamed	gi 507007320	25.41	41.8	244	157	9
unnamed	gi 187934550	24.06	47.64	212	118	10
unnamed	gi 515921809	24.06	47.64	212	118	10
unnamed	gi 494672633	35.62	58.9	73	41	4
unnamed	gi 573540591	38.89	59.72	72	33	4
unnamed	gi 544869914	23.26	41.86	258	174	8
unnamed	gi 30264958	25.73	43.15	241	150	8
unnamed	gi 573587401	31.71	54.88	82	50	3
unnamed	gi 568809388	30.68	54.55	88	58	2
unnamed	gi 446733081	24.79	42.15	242	153	8
unnamed	gi 300855111	25.53	42.55	188	124	6
unnamed	gi 573548571	35.48	54.84	93	55	4
unnamed	gi 544839081	26.13	45.23	199	120	7
unnamed	gi 163942631	26.02	41.87	246	153	9
unnamed	gi 518752021	32.38	44.76	105	61	4
unnamed	gi 518688544	39.66	62.07	58	34	1
unnamed	gi 392393390	39.66	62.07	58	34	1
unnamed	gi 487966798	25.89	42.64	197	121	6
unnamed	gi 294500301	24.87	46.11	193	120	9
unnamed	gi 544704591	27.37	43.16	190	117	7
unnamed	gi 237794290	27.37	43.16	190	117	7

unnamed	gi 431792124	41.38	60.34	58	33	1
unnamed	gi 487942400	26.47	42.44	238	146	9
unnamed	gi 497564155	25.63	43.28	238	148	8
unnamed	gi 511048761	32.88	60.27	73	49	0
unnamed	gi 511048761	27	46	100	62	2
unnamed	gi 442804629	26.74	42.78	187	117	7
unnamed	gi 446733088	27.27	43.94	198	117	8
unnamed	gi 544878840	27.08	44.27	192	124	7
unnamed	gi 487961231	26.47	42.44	238	146	9
unnamed	gi 489503134	34.29	58.57	70	44	2
unnamed	gi 546575284	30.95	46.83	126	71	6
unnamed	gi 487935391	25.63	42.86	238	148	8
unnamed	gi 384045804	24.87	45.08	193	120	9
unnamed	gi 374321289	33.8	57.75	71	45	2
unnamed	gi 446733088	27.27	43.94	198	117	8
unnamed	gi 488001601	25.89	42.13	197	121	6
unnamed	gi 498362511	29.11	53.16	79	51	2
unnamed	gi 490758384	26.51	55.42	83	51	3
unnamed	gi 384188971	25.2	41.06	246	155	8
unnamed	gi 487900668	25.51	42.91	247	153	10
unnamed	gi 446733061	25.93	43.21	243	149	10
unnamed	gi 545057450	42.86	60.71	56	31	1
unnamed	gi 494144721	28.49	42.46	179	106	7
unnamed	gi 125972581	27.47	44.51	182	110	8
unnamed	gi 118443280	23.9	43.41	205	135	6
unnamed	gi 547802518	26.56	45.31	192	123	8
unnamed	gi 544692181	29.23	50.77	130	80	5
unnamed	gi 517014161	32.86	62.86	70	42	1
unnamed	gi 898939301	32.86	62.86	70	42	1
unnamed	gi 492338020	32.86	62.86	70	42	1
unnamed	gi 134299989	27.14	47.74	199	121	8
unnamed	gi 559036131	27.5	46.5	200	115	11
unnamed	gi 545588254	24.34	46.03	189	101	9
unnamed	gi 427841011	24.79	42.15	242	153	8
unnamed	gi 507059870	26.45	42.15	242	149	9
unnamed	gi 446733124	26.45	42.15	242	149	9
unnamed	gi 446733399	25.2	41.87	246	155	8
unnamed	gi 446733071	25.2	42.28	246	155	9
unnamed	gi 545417240	33.33	49.52	105	60	4
unnamed	gi 507065110	25	41.39	244	158	9
unnamed	gi 554377804	25.53	40.96	188	124	6

unnamed	gi 44673308:	24.8	41.46	246	156	8
unnamed	gi 51083583:	28.57	58.57	70	50	0
unnamed	gi 21796238:	25.73	41.91	241	150	8
unnamed	gi 58539617:	25	44.9	196	131	6
unnamed	gi 51382671:	26.02	41.06	246	153	9
unnamed	gi 51598568:	24.35	47.67	193	120	8
unnamed	gi 51598568:	32.8	49.6	125	64	6
unnamed	gi 40256358:	24.8	41.06	246	156	8
unnamed	gi 49821560:	26.94	43.52	193	114	7
unnamed	gi 48798779:	28.22	44.79	163	103	5
unnamed	gi 51637367:	24.8	41.06	246	156	8
unnamed	gi 44673307:	26.02	41.06	246	153	9
unnamed	gi 16982809:	30.49	53.66	82	51	3
unnamed	gi 39319931:	29.78	45.51	178	106	8
unnamed	gi 15894146:	25.13	44.92	187	122	6
unnamed	gi 54746260:	27.2	46.4	125	85	3
unnamed	gi 48936531:	25.89	41.62	197	121	6
unnamed	gi 49071010:	30.23	44.19	129	77	5
unnamed	gi 58460471:	30.49	53.66	82	51	3
unnamed	gi 30022957:	24.39	41.06	246	157	8
unnamed	gi 48800607:	26.89	42.44	238	145	10
unnamed	gi 51107246:	23.76	41.09	202	105	6
unnamed	gi 56981003:	23.65	46.31	203	135	8
unnamed	gi 50704996:	26.03	42.15	242	150	9
unnamed	gi 54730088:	25.85	48.3	147	88	6
unnamed	gi 40255496:	23.98	41.46	246	158	8
unnamed	gi 49054369:	25.89	43.15	197	121	7
unnamed	gi 51581991:	31.33	61.45	83	49	5
unnamed	gi 48937380:	25.51	42.35	196	123	7
unnamed	gi 44673312:	26.56	41.91	241	148	9
unnamed	gi 44673310:	25.73	41.91	241	150	8
unnamed	gi 38580953:	24.69	41.84	239	153	9
unnamed	gi 50698927:	24.8	40.65	246	156	8
unnamed	gi 29650535:	23.98	41.06	246	158	8
unnamed	gi 51771723:	27	52	100	64	2
unnamed	gi 38418271:	24.69	41.98	243	152	9
unnamed	gi 54469748:	28.46	50	130	81	5
unnamed	gi 49600026:	29.47	53.68	95	62	3
unnamed	gi 54947352:	34.62	53.85	78	47	2
unnamed	gi 48942571:	35.05	48.45	97	53	4
unnamed	gi 52369615:	27.75	44.02	209	120	11

unnamed	gi 222098370	25.73	41.49	241	150	8
unnamed	gi 514700914	22.73	41.74	242	153	8
unnamed	gi 218234921	24.39	41.06	246	157	8
unnamed	gi 489401770	25.38	41.62	197	122	6
unnamed	gi 493828189	25.85	47.62	147	88	6
unnamed	gi 487925097	25.63	42.02	238	148	8
unnamed	gi 497935681	24.3	52.34	107	63	3
unnamed	gi 258517261	22.39	47.26	201	136	6
unnamed	gi 573559251	24.06	40.11	187	124	7
unnamed	gi 489473761	34.26	50.93	108	59	5
unnamed	gi 495908031	22.22	43.39	189	125	6
unnamed	gi 317132944	24.86	44.51	173	115	6
unnamed	gi 490891838	22.61	44.22	199	140	6
unnamed	gi 376261541	25.79	44.44	252	148	12
unnamed	gi 446733071	24.49	41.22	245	158	9
unnamed	gi 488127080	24.87	41.62	197	123	6
unnamed	gi 518546021	21.72	41.39	244	145	8
unnamed	gi 497277581	33.33	58.62	87	56	2
unnamed	gi 446733090	24.49	42.45	245	158	10
unnamed	gi 446733064	24.7	40.89	247	155	9
unnamed	gi 491041639	23.76	44.06	202	134	8
unnamed	gi 547269608	27.27	49.59	121	65	5
unnamed	gi 446733061	24.39	41.06	246	157	8
unnamed	gi 120437761	24.03	48.84	129	85	4
unnamed	gi 495138871	26.8	50.52	97	66	3
unnamed	gi 490138184	26.06	44.15	188	104	8
unnamed	gi 515717591	26.77	41.41	198	118	8
unnamed	gi 573535081	30.48	44.76	105	63	4
unnamed	gi 446733074	25.2	41.06	246	155	9
unnamed	gi 545416451	29.67	44.02	209	118	11
unnamed	gi 407707421	29.2	43.8	137	85	4
unnamed	gi 545587171	30.33	42.62	122	72	4
unnamed	gi 446733061	24.39	41.06	246	157	8
unnamed	gi 507039204	24.39	41.06	246	157	8
unnamed	gi 446733061	25.2	41.87	246	155	9
unnamed	gi 544705881	27.81	40.64	187	117	6
unnamed	gi 487968981	24.87	41.62	197	123	6
unnamed	gi 490755321	28.17	46.48	213	124	11
unnamed	gi 573551101	29.52	47.62	105	64	4
unnamed	gi 510837381	44	54	50	27	1
unnamed	gi 261404561	33.33	58.62	87	56	2

unnamed	gi 573548520	24.65	41.86	215	142	7
unnamed	gi 449091870	24.39	40.65	246	157	8
unnamed	gi 575083040	26.6	46.28	188	114	8
unnamed	gi 158339410	22.74	39.71	277	168	12
unnamed	gi 488772190	26.67	43.08	195	119	8
unnamed	gi 305666010	26.62	42.45	139	86	3
unnamed	gi 487990320	24.87	41.62	197	123	6
unnamed	gi 387817670	26.74	42.78	187	119	7
unnamed	gi 487927870	24.87	41.62	197	123	6
unnamed	gi 489396670	24.87	41.12	197	123	6
unnamed	gi 251798220	25.27	44.51	182	107	8
unnamed	gi 487932430	24.87	41.62	197	123	6
unnamed	gi 229917080	25	41.67	180	113	5
unnamed	gi 573567430	22.49	44.98	249	153	10
unnamed	gi 489453360	27.27	40.11	187	118	6
unnamed	gi 547736210	30.7	49.12	114	74	4
unnamed	gi 517762350	24.42	54.65	86	61	2
unnamed	gi 547924490	29.55	51.14	88	50	3
unnamed	gi 237794750	27.37	40.53	190	120	6
unnamed	gi 487982400	32.04	46.6	103	60	3
unnamed	gi 376259930	23.81	48.57	105	65	3
unnamed	gi 489586540	24.87	42.86	189	126	5
unnamed	gi 489399190	32.04	46.6	103	60	3
unnamed	gi 495058470	29.27	47.56	82	55	1
unnamed	gi 350268190	22.59	42.26	239	149	8
unnamed	gi 495133880	24.74	49.48	97	68	3
unnamed	gi 517951930	26.51	59.04	83	56	3
unnamed	gi 297584950	25.55	48.18	137	96	4
unnamed	gi 498018280	22.59	42.26	239	149	9
unnamed	gi 568803070	25.34	42.08	221	132	9
unnamed	gi 170760830	25.87	42.79	201	130	8
unnamed	gi 517597280	26.77	39.9	198	118	8
unnamed	gi 497281680	22.18	43.93	239	157	9
unnamed	gi 544868420	28.79	60.61	66	46	1
unnamed	gi 493023290	26.44	39.42	208	126	8
unnamed	gi 517500310	33.09	49.64	139	75	6
unnamed	gi 489378950	24.87	41.12	197	123	6
unnamed	gi 516360490	25.13	44.39	187	122	6
unnamed	gi 226948670	27.27	40.11	187	118	6
unnamed	gi 489620850	25.26	52.63	95	66	3
unnamed	gi 487946140	23.86	41.62	197	125	6

unnamed	gi 48929407!	26.77	39.9	198	118	8
unnamed	gi 50704067!	26.77	39.9	198	118	8
unnamed	gi 487955320	32.04	45.63	103	60	3
unnamed	gi 55978040:	25.74	42.57	202	129	8
unnamed	gi 57356127!	22.59	43.51	239	156	9
unnamed	gi 31063965:	28.3	44.34	106	64	3
unnamed	gi 48956878:	25.81	45.16	186	120	8
unnamed	gi 21890006:	25.2	40.65	246	155	9
unnamed	gi 26140431:	22.59	43.51	239	156	9
unnamed	gi 516286610	27.71	54.22	83	57	2
unnamed	gi 26140505:	25.14	41.9	179	114	7
unnamed	gi 15395430!	27.5	55	80	52	2
unnamed	gi 15394078!	26.2	42.78	187	120	7
unnamed	gi 55863641!	22.18	41	239	155	8
unnamed	gi 43585383!	24.21	42.63	190	121	6
unnamed	gi 54470297:	25.37	42.79	201	131	8
unnamed	gi 48865877:	25.26	51.58	95	66	3
unnamed	gi 30567654:	22.59	42.68	239	149	9
unnamed	gi 38790056:	20.58	42.39	243	164	8
unnamed	gi 386713350	20.21	44.68	188	122	6
unnamed	gi 50707784:	32.43	56.76	74	48	2
unnamed	gi 49953276!	26.51	53.01	83	49	2
unnamed	gi 57355284!	26.51	54.22	83	58	2
unnamed	gi 48862794!	25.26	51.58	95	66	3
unnamed	gi 547189460	28.18	47.27	110	66	3
unnamed	gi 18793379:	37.14	52.86	70	39	3
unnamed	gi 54779005!	25.26	50.53	95	66	3
unnamed	gi 48953017!	24.66	45.29	223	131	11
unnamed	gi 54969975!	20.76	42.8	236	158	8
unnamed	gi 48863581!	25.26	52.63	95	66	3
unnamed	gi 488638300	25.26	51.58	95	66	3
unnamed	gi 51592254!	37.14	52.86	70	39	3
unnamed	gi 49467020!	24.04	42.08	183	121	6
unnamed	gi 48877679!	36.54	57.69	52	31	1
unnamed	gi 27196223:	20.38	44.59	157	106	6
unnamed	gi 54513335:	20.76	42.8	236	158	8
unnamed	gi 38426742:	20.76	42.8	236	158	8
unnamed	gi 374321530	22.99	42.25	187	127	6
unnamed	gi 49361667!	23.85	48.46	130	92	4
unnamed	gi 54787075!	21.46	41.95	205	138	5
unnamed	gi 14837937!	25.37	42.79	201	131	8

unnamed	gi 515997289	42.22	55.56	45	25	1
unnamed	gi 489328934	22.18	41.84	239	150	9
unnamed	gi 518515588	42.22	55.56	45	25	1
unnamed	gi 595631638	42.22	55.56	45	25	1
unnamed	gi 507078207	24.14	47.13	87	63	1
unnamed	gi 515988008	20.76	42.8	236	158	8
unnamed	gi 515504206	20.94	41.88	234	160	8
unnamed	gi 386738788	31.07	46.6	103	61	3
unnamed	gi 589400827	26.74	55.81	86	58	3
unnamed	gi 518089680	23.46	39.92	243	152	11
unnamed	gi 550549519	23.93	44.17	163	113	4
unnamed	gi 549309973	24.66	44.84	223	131	11
unnamed	gi 260685107	24.66	44.84	223	131	11
unnamed	gi 497280753	25.14	41.34	179	114	7
unnamed	gi 516362687	27.5	55	80	52	2
unnamed	gi 547235249	28.46	43.9	123	75	3
unnamed	gi 545027476	24.66	44.84	223	131	11
unnamed	gi 488637680	30.67	57.33	75	44	4
unnamed	gi 489582224	25.26	40.53	190	124	6
unnamed	gi 544988426	23.48	42.61	230	137	9
unnamed	gi 429507190	20.34	42.8	236	159	8
unnamed	gi 585386197	27.5	45.62	160	94	6
unnamed	gi 597504678	20.34	42.8	236	159	8
unnamed	gi 585392324	27.27	45.45	165	98	6
unnamed	gi 517425547	32.43	58.11	74	38	4
unnamed	gi 517763098	26.42	44.56	193	120	10
unnamed	gi 488669410	31.58	46.05	76	34	2
unnamed	gi 497713297	27.63	50	76	49	1
unnamed	gi 407475206	50	73.33	30	15	0
unnamed	gi 547472306	25.79	44.03	159	102	6
unnamed	gi 375364327	20.68	43.04	237	157	9
unnamed	gi 488671567	26.32	51.58	95	65	3
unnamed	gi 565990129	30.77	44.87	78	41	2
unnamed	gi 489525127	34.78	50	92	54	3
unnamed	gi 488662688	30.67	56	75	44	4
unnamed	gi 545050343	24.22	44.84	223	132	11
unnamed	gi 546802313	25.58	52.33	86	59	3
unnamed	gi 513041249	22.3	46.04	139	98	3
unnamed	gi 495954157	36.17	59.57	47	29	1
unnamed	gi 493325504	30.99	47.18	142	70	7
unnamed	gi 494120037	23.58	39.62	212	109	8

unnamed	gi 54495816	24.22	44.84	223	132	11
unnamed	gi 54504372	24.22	44.84	223	132	11
unnamed	gi 51890670	26.64	42.52	214	120	9
unnamed	gi 51593795	28.57	53.33	105	65	4

q. start, q. end, s. start, s. end, evalue, bit score

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1	285	1	286	2.00E-149	431
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1	285	1	284	2.00E-99	304
1	285	1	294	4.00E-90	281
1	285	1	293	1.00E-84	266
1	285	1	295	2.00E-84	266
1	285	1	296	7.00E-84	265
1	285	3	294	1.00E-83	264
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1	285	1	287	1.00E-79	253
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2	285	3	295	1.00E-78	251
1	285	1	289	5.00E-78	249
1	285	1	293	1.00E-77	249
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1	285	1	296	2.00E-76	246
2	285	3	301	8.00E-76	244

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3	285	2	290	1.00E-75	243
3	285	2	288	2.00E-75	243
11	285	11	296	8.00E-75	242
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6	285	16	307	1.00E-71	234
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2	285	8	302	8.00E-71	231
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3	285	5	291	5.00E-70	229
2	285	3	301	1.00E-69	229
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4	277	6	289	1.00E-64	215
4	278	6	284	7.00E-64	213
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70	285	1	222	2.00E-63	209
3	284	2	288	4.00E-63	211
4	277	6	289	3.00E-62	209
4	277	6	289	3.00E-62	209
4	277	6	289	3.00E-62	209
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4	277	6	289	3.00E-62	209
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5	285	9	294	9.00E-49	174
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17	285	1	274	3.00E-48	172
5	285	9	294	4.00E-48	172
5	285	9	294	5.00E-48	172
46	277	15	249	2.00E-47	169
5	285	9	294	2.00E-47	170
2	278	3	295	7.00E-47	169
5	285	8	296	3.00E-46	167
46	277	15	250	5.00E-46	166
46	277	15	250	7.00E-46	165
46	277	15	250	2.00E-45	164
3	277	12	295	2.00E-45	165
46	277	15	250	2.00E-45	164
46	277	15	250	3.00E-45	164
46	277	15	250	2.00E-44	162
46	277	15	250	3.00E-44	161
1	270	28	333	5.00E-44	163
5	284	8	297	5.00E-44	162
1	270	28	333	6.00E-44	163
4	278	5	288	6.00E-44	161
26	284	36	293	7.00E-44	161
2	285	3	314	7.00E-44	162
5	277	1	282	8.00E-44	161
46	277	15	250	9.00E-44	160
5	285	9	294	1.00E-43	161
5	284	8	297	1.00E-43	161
5	284	8	297	1.00E-43	160
46	277	15	250	2.00E-43	159
5	277	9	288	2.00E-43	160
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46	277	15	250	2.00E-43	159
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46	277	15	250	5.00E-43	158
46	277	15	250	6.00E-43	157

46	277	15	250	1.00E-42	157
3	277	10	295	1.00E-42	158
5	284	8	297	1.00E-42	158
46	277	15	250	1.00E-42	157
25	284	31	285	1.00E-42	157
94	277	16	203	2.00E-42	155
3	284	6	295	2.00E-42	157
4	278	3	313	3.00E-42	157
46	277	15	250	5.00E-42	155
3	284	6	295	6.00E-42	156
34	284	45	297	9.00E-42	156
25	284	31	285	9.00E-42	155
34	284	45	297	1.00E-41	155
25	284	31	285	1.00E-41	155
34	284	45	297	2.00E-41	155
25	284	24	278	2.00E-41	154
23	284	33	297	2.00E-41	155
34	284	45	297	2.00E-41	155
34	284	45	297	2.00E-41	155
34	284	45	297	2.00E-41	155
34	284	45	297	3.00E-41	154
46	277	15	250	3.00E-41	153
34	284	45	297	3.00E-41	154
34	284	45	297	3.00E-41	154
46	277	15	250	7.00E-41	152
34	284	45	297	7.00E-41	154
34	284	45	297	9.00E-41	153
34	284	45	297	1.00E-40	153
5	285	6	300	2.00E-40	152
5	270	12	280	2.00E-40	152
2	277	6	290	3.00E-40	152
2	277	6	290	5.00E-40	151
2	277	6	290	8.00E-40	150
5	273	12	283	8.00E-40	150
1	278	1	305	1.00E-39	150
3	277	4	282	1.00E-39	150
2	277	6	290	2.00E-39	150
5	277	1	282	2.00E-39	149
2	273	6	286	2.00E-39	149
2	273	6	286	2.00E-39	149
2	273	6	286	2.00E-39	149

2	277	6	290	3.00E-39	149
5	285	3	272	4.00E-39	148
96	277	3	188	5.00E-39	145
3	284	6	294	6.00E-39	148
206	285	1	80	8.00E-39	141
3	284	6	294	9.00E-39	148
46	285	55	296	1.00E-38	147
3	284	6	287	3.00E-38	146
3	278	4	295	9.00E-38	145
1	278	1	317	2.00E-37	145
4	273	8	286	6.00E-37	143
31	278	43	282	4.00E-36	140
2	269	6	280	7.00E-36	140
3	284	6	287	8.00E-36	140
1	269	1	278	9.00E-36	140
67	278	1	224	1.00E-35	138
5	285	3	272	4.00E-35	137
127	277	2	153	4.00E-35	134
1	278	1	287	5.00E-35	138
7	278	8	301	5.00E-35	138
1	277	21	312	6.00E-35	138
7	278	8	301	9.00E-35	137
7	278	8	301	9.00E-35	137
1	285	1	310	2.00E-34	136
58	270	71	276	3.00E-34	135
4	277	16	294	1.00E-33	134
4	269	3	280	2.00E-33	133
50	277	54	297	6.00E-33	132
91	276	5	191	1.00E-32	129
39	278	7	253	3.00E-32	129
3	281	2	290	4.00E-32	130
2	278	4	284	1.00E-31	129
3	278	18	334	3.00E-31	129
43	277	25	273	7.00E-31	126
35	279	33	272	2.00E-30	125
2	278	3	291	5.00E-30	124
46	273	50	281	1.00E-29	123
29	273	26	281	2.00E-29	123
52	275	75	313	2.00E-29	123
1	281	4	290	3.00E-29	122
3	278	5	326	5.00E-29	122

1	270	1	283	8.00E-29	121
56	278	94	317	3.00E-28	120
45	277	45	286	7.00E-28	119
45	277	45	286	7.00E-28	118
45	277	45	286	7.00E-28	118
45	277	45	286	8.00E-28	118
9	269	13	306	9.00E-28	119
56	277	81	320	1.00E-27	119
29	280	40	282	1.00E-27	118
4	269	6	284	2.00E-27	117
45	277	45	286	2.00E-27	117
2	278	20	302	2.00E-27	117
3	281	2	290	3.00E-27	117
45	277	45	286	3.00E-27	116
4	269	3	295	3.00E-27	117
3	281	2	290	4.00E-27	116
3	281	2	290	4.00E-27	116
1	270	1	284	5.00E-27	116
1	269	6	317	5.00E-27	117
12	269	11	306	6.00E-27	116
58	278	67	297	6.00E-27	116
2	277	5	312	7.00E-27	116
4	269	3	293	8.00E-27	115
3	281	2	290	1.00E-26	115
12	269	11	316	1.00E-26	115
1	270	1	284	1.00E-26	115
9	269	13	306	2.00E-26	115
56	277	60	293	3.00E-26	114
3	281	2	290	4.00E-26	114
4	269	3	281	5.00E-26	113
45	277	45	286	5.00E-26	113
45	277	45	286	7.00E-26	113
191	278	1	90	8.00E-26	107
34	277	2	263	3.00E-25	111
126	274	79	224	3.00E-25	110
28	275	35	288	4.00E-25	110
28	275	35	288	1.00E-24	109
135	277	122	263	1.00E-24	109
141	274	90	224	1.00E-24	108
4	269	3	279	3.00E-24	108
4	269	3	279	3.00E-24	108

9	269	6	291	4.00E-24	108
9	269	5	290	4.00E-24	108
52	270	3	232	1.00E-23	105
4	269	3	296	1.00E-23	107
4	269	3	289	2.00E-23	106
51	269	23	258	2.00E-23	105
51	269	13	248	3.00E-23	105
62	271	41	255	3.00E-23	105
7	273	4	281	5.00E-23	105
4	269	3	293	7.00E-23	104
98	279	51	238	8.00E-23	103
72	277	1	218	2.00E-22	102
9	278	5	287	2.00E-22	103
67	269	1	222	6.00E-22	100
3	284	2	319	1.00E-21	102
3	284	2	319	1.00E-21	102
5	212	9	217	2.00E-21	99.4
5	269	4	279	7.00E-21	99
4	269	3	291	6.00E-20	96.3
4	269	3	291	1.00E-19	95.5
22	211	21	220	2.00E-19	94
4	269	3	291	5.00E-19	93.6
33	269	37	295	1.00E-18	92.4
44	273	49	318	1.00E-18	92.4
46	269	53	289	3.00E-18	91.3
15	270	26	288	3.00E-18	91.3
46	273	52	315	4.00E-18	91.3
44	273	49	318	5.00E-18	90.9
85	269	33	227	8.00E-18	89.4
1	269	6	306	2.00E-17	89.4
1	269	6	306	3.00E-17	88.6
34	274	43	293	5.00E-17	87.8
4	128	6	133	7.00E-17	84.7
24	270	17	293	4.00E-16	85.1
5	269	4	279	1.00E-15	83.6
3	269	2	308	2.00E-15	85.1
51	269	114	353	2.00E-15	84
3	269	2	308	2.00E-15	84.3
51	269	114	353	2.00E-15	83.6
49	271	14	231	5.00E-14	78.2
58	269	82	305	1.00E-13	78.2

96	277	32	228	2.00E-13	76.6
93	278	18	192	2.00E-13	76.3
58	269	82	305	4.00E-13	77
95	277	118	318	5.00E-13	76.6
5	269	12	284	9.00E-13	75.5
58	269	82	305	2.00E-12	76.3
67	269	1	227	2.00E-12	73.9
5	269	4	278	5.00E-12	73.2
43	270	8	231	5.00E-12	72.8
87	269	14	186	5.00E-12	72
43	270	8	231	6.00E-12	72.4
43	278	16	252	9.00E-12	73.9
1	179	1	182	3.00E-11	71.6
53	275	16	231	5.00E-11	69.7
35	266	3	243	1.00E-10	68.9
99	269	25	184	4.00E-10	67
99	269	25	184	4.00E-10	66.6
96	278	22	193	7.00E-10	65.9
99	269	25	184	8.00E-10	65.9
99	269	25	184	8.00E-10	65.9
43	270	8	231	8.00E-10	66.6
96	278	22	193	1.00E-09	65.1
85	278	635	819	2.00E-09	67.4
80	278	154	359	2.00E-09	66.6
99	269	27	186	3.00E-09	64.3
99	269	27	186	3.00E-09	64.3
99	269	25	184	4.00E-09	63.9
83	276	36	233	4.00E-09	64.3
36	270	8	244	5.00E-09	64.3
83	275	11	207	5.00E-09	63.9
83	275	45	241	6.00E-09	64.3
13	269	4	268	6.00E-09	64.7
43	278	8	253	6.00E-09	64.3
43	278	10	255	7.00E-09	64.3
155	269	106	216	7.00E-09	63.5
85	277	10	189	7.00E-09	63.2
155	269	106	216	8.00E-09	63.2
84	280	155	342	1.00E-08	64.7
36	270	3	239	1.00E-08	63.2
85	278	508	692	2.00E-08	64.3
85	278	15	191	2.00E-08	62

85	278	638	822	2.00E-08	64.3
96	269	22	184	2.00E-08	61.6
84	280	151	338	3.00E-08	63.2
83	274	54	251	3.00E-08	62.4
6	82	9	85	3.00E-08	63.2
43	278	6	240	3.00E-08	62
60	278	65	276	4.00E-08	62.4
60	278	63	274	4.00E-08	62.4
94	269	30	192	4.00E-08	61.2
60	278	45	256	4.00E-08	62
85	278	53	246	5.00E-08	62.4
103	270	215	356	5.00E-08	62.4
60	278	65	276	5.00E-08	62
43	278	6	240	5.00E-08	61.6
60	278	65	276	7.00E-08	61.6
60	278	65	276	7.00E-08	61.6
60	278	65	276	7.00E-08	61.6
60	278	65	276	8.00E-08	61.6
85	270	44	231	9.00E-08	60.8
60	278	65	276	1.00E-07	61.2
84	278	638	823	1.00E-07	62
84	278	638	823	1.00E-07	62
209	277	1	72	1.00E-07	57.4
106	285	274	448	2.00E-07	60.8
96	278	666	837	2.00E-07	61.2
9	98	4	93	2.00E-07	60.5
93	269	19	184	3.00E-07	58.9
95	270	68	245	3.00E-07	59.7
85	271	44	224	3.00E-07	58.9
106	285	274	448	3.00E-07	60.1
88	270	13	182	4.00E-07	58.5
85	274	44	235	4.00E-07	58.9
94	278	20	191	5.00E-07	58.2
1	194	1	194	5.00E-07	59.3
91	269	17	182	5.00E-07	57.8
140	270	107	231	6.00E-07	58.5
140	270	107	231	6.00E-07	58.5
135	270	118	231	6.00E-07	58.5
99	269	24	181	6.00E-07	57.8
95	270	54	231	9.00E-07	57.8
88	278	13	190	1.00E-06	57

125	269	94	235	1.00E-06	57.8
85	270	506	682	1.00E-06	58.9
84	270	63	250	1.00E-06	57.8
95	270	53	227	2.00E-06	57
80	274	26	224	2.00E-06	57
99	270	67	239	2.00E-06	57.8
96	278	652	823	2.00E-06	58.2
91	269	17	182	2.00E-06	56.2
96	278	61	247	3.00E-06	56.6
99	269	24	181	3.00E-06	55.8
9	98	4	93	3.00E-06	56.6
145	278	147	276	4.00E-06	56.6
84	270	163	342	4.00E-06	57
81	270	29	211	4.00E-06	55.8
87	270	631	805	4.00E-06	57.4
9	100	4	95	4.00E-06	56.6
80	269	3	184	4.00E-06	55.5
115	277	5	155	4.00E-06	54.7
96	270	627	790	5.00E-06	57
96	277	72	255	5.00E-06	56.2
94	281	18	191	5.00E-06	55.1
94	278	20	192	5.00E-06	55.1
84	278	657	842	5.00E-06	57
9	269	8	296	7.00E-06	55.8
94	259	19	171	8.00E-06	54.7
36	278	567	805	8.00E-06	56.2
84	278	42	244	8.00E-06	55.5
72	279	21	231	9.00E-06	55.1
135	269	73	183	1.00E-05	54.3
1	82	1	89	1.00E-05	55.5
93	269	19	184	1.00E-05	54.3
87	278	631	813	1.00E-05	55.8
80	270	26	220	1.00E-05	54.7
96	281	68	257	1.00E-05	55.1
96	181	17	106	1.00E-05	52.4
96	270	14	176	1.00E-05	53.9
91	270	52	231	1.00E-05	54.3
83	270	377	553	2.00E-05	55.5
135	269	73	183	2.00E-05	53.5
9	82	4	77	2.00E-05	54.7
9	82	4	77	2.00E-05	54.7

79	278	146	353	2.00E-05	55.1
94	270	19	182	2.00E-05	53.5
96	278	68	254	2.00E-05	54.3
83	270	174	354	2.00E-05	54.7
80	270	29	223	2.00E-05	53.9
9	82	4	77	2.00E-05	54.3
84	278	639	824	2.00E-05	55.1
84	277	51	245	2.00E-05	53.9
175	278	728	823	2.00E-05	55.1
9	98	4	94	3.00E-05	53.9
78	278	55	254	3.00E-05	53.9
144	278	34	163	3.00E-05	52.4
78	278	55	254	3.00E-05	53.9
46	284	12	245	3.00E-05	53.5
72	279	21	231	4.00E-05	53.1
9	94	4	89	4.00E-05	53.5
87	278	631	813	4.00E-05	54.3
142	282	5	138	4.00E-05	51.2
68	269	44	238	5.00E-05	53.5
87	270	643	817	5.00E-05	53.9
186	278	174	258	5.00E-05	53.1
87	270	631	805	5.00E-05	53.9
84	278	639	824	6.00E-05	53.9
87	270	616	790	6.00E-05	53.9
85	270	505	681	6.00E-05	53.5
80	270	26	220	6.00E-05	52.4
63	270	90	295	7.00E-05	52.8
72	279	21	231	8.00E-05	52.4
85	270	505	681	8.00E-05	53.1
83	270	177	368	8.00E-05	52.8
83	270	168	359	8.00E-05	52.8
95	269	21	182	8.00E-05	51.6
94	269	27	183	9.00E-05	51.6
80	270	29	223	9.00E-05	52
9	82	4	77	9.00E-05	52.4
83	270	168	359	9.00E-05	52.8
72	279	21	231	1.00E-04	52
106	285	276	451	1.00E-04	52.8
83	279	10	195	1.00E-04	51.6
96	269	22	184	1.00E-04	51.2
85	270	505	681	1.00E-04	52.8

87	270	631	805	1.00E-04	52.8
46	284	12	245	1.00E-04	51.6
46	278	11	238	1.00E-04	52.4
87	270	631	805	1.00E-04	52.8
72	279	21	231	1.00E-04	51.6
87	270	631	805	1.00E-04	52.4
96	270	663	826	2.00E-04	52.4
80	284	59	268	2.00E-04	52
72	279	21	231	2.00E-04	51.2
46	270	11	248	2.00E-04	51.6
96	270	381	542	2.00E-04	52
1	94	1	113	2.00E-04	51.6
76	274	51	232	2.00E-04	50.8
62	279	18	239	2.00E-04	50.8
1	94	1	113	2.00E-04	51.6
1	94	1	113	2.00E-04	51.2
51	278	9	235	2.00E-04	50.8
96	269	22	184	3.00E-04	50.4
72	279	21	231	3.00E-04	50.4
1	82	1	97	3.00E-04	51.2
145	284	117	245	3.00E-04	50.4
85	283	631	823	3.00E-04	51.6
85	270	173	363	3.00E-04	51.2
145	284	117	245	3.00E-04	50.4
85	270	639	815	3.00E-04	51.6
85	278	639	823	3.00E-04	51.6
96	270	663	826	4.00E-04	51.2
94	269	29	192	4.00E-04	49.7
89	278	89	264	4.00E-04	50.4
51	278	9	235	5.00E-04	50.1
52	278	10	235	5.00E-04	49.7
94	278	25	197	6.00E-04	49.3
77	270	44	237	6.00E-04	49.7
16	278	126	378	7.00E-04	50.1
47	278	5	235	7.00E-04	49.3
47	278	5	235	7.00E-04	49.3
39	278	11	248	7.00E-04	49.3
96	270	642	805	7.00E-04	50.4
72	279	21	231	9.00E-04	48.9
200	267	185	249	9.00E-04	49.3
94	278	18	188	9.00E-04	48.5

88	271	48	231	0.001	49.3
99	270	86	261	0.001	49.7
47	278	5	235	0.001	48.9
2	80	6	86	0.001	49.7
99	269	25	184	0.001	48.5
47	278	5	235	0.001	48.9
85	270	639	815	0.001	49.7
51	278	9	235	0.001	48.9
84	269	628	801	0.001	49.7
55	278	3	225	0.001	48.5
5	82	6	85	0.001	49.3
93	269	19	184	0.001	48.1
87	270	631	805	0.002	49.3
94	278	18	188	0.002	47.8
85	278	53	246	0.002	48.5
52	278	10	235	0.002	48.1
52	278	10	235	0.002	48.1
52	278	10	235	0.002	48.1
52	278	10	235	0.002	48.1
122	266	10	152	0.002	46.6
52	278	10	235	0.002	48.1
72	279	21	231	0.002	47.8
104	278	27	188	0.002	47.4
34	267	2	247	0.002	48.5
52	278	10	235	0.002	48.1
1	128	1	137	0.002	48.1
52	278	10	235	0.002	48.1
47	270	13	242	0.002	48.1
94	269	19	182	0.002	47.4
4	108	6	120	0.002	48.1
132	274	112	232	0.002	47.8
94	278	25	197	0.002	47.4
145	270	117	236	0.003	47.8
95	273	126	307	0.003	47.8
85	278	139	343	0.003	48.1
95	273	126	307	0.003	47.8
175	278	714	809	0.003	48.5
52	274	10	231	0.003	47.4
84	280	189	376	0.003	47.8
47	269	25	250	0.003	47.8
52	278	10	235	0.003	47.4

84	278	22	202	0.003	47
55	278	3	225	0.003	47.4
52	278	10	235	0.003	47.4
51	278	9	235	0.004	47.4
55	278	3	225	0.004	47
55	278	3	225	0.004	47
161	270	10	111	0.004	45.4
175	278	717	812	0.004	48.1
51	278	9	235	0.004	47
12	82	13	85	0.004	47.8
91	270	72	246	0.005	47
51	278	9	235	0.005	47
51	278	9	235	0.005	47
143	270	93	214	0.005	46.6
51	278	9	235	0.005	47
14	157	13	142	0.005	47.4
51	278	9	235	0.005	47
99	267	70	242	0.005	47
76	274	51	232	0.005	46.6
157	278	142	265	0.006	47
47	278	5	235	0.006	46.6
73	270	24	206	0.006	46.2
73	270	48	230	0.006	46.6
9	78	4	73	0.006	46.6
200	267	185	249	0.007	46.6
36	277	2	251	0.007	47
52	278	10	235	0.008	46.2
1	76	1	82	0.008	46.6
1	86	1	87	0.008	46.6
51	278	9	235	0.008	46.2
94	278	39	213	0.009	45.8
9	98	4	94	0.009	46.2
94	278	191	376	0.009	46.6
47	278	5	235	0.009	46.2
175	278	544	639	0.01	46.6
25	82	41	97	0.01	46.6
25	82	41	97	0.01	46.6
96	278	28	213	0.011	45.8
95	273	126	307	0.011	46.2
87	270	631	805	0.011	46.6
87	270	631	805	0.011	46.6

25	82	41	97	0.012	46.2
55	278	3	225	0.012	45.4
55	278	3	225	0.012	45.4
29	101	15	87	0.013	45.1
176	269	96	190	2.3	38.5
94	278	20	188	0.013	45.1
96	278	50	235	0.015	45.4
85	270	55	236	0.015	46.2
55	278	3	225	0.015	45.4
9	77	4	72	0.016	45.4
148	270	75	187	0.016	45.8
55	278	3	225	0.016	45.4
95	273	126	307	0.016	45.4
9	78	4	73	0.016	45.4
96	278	50	235	0.016	45.4
96	278	40	225	0.016	45.4
1	74	1	79	0.017	45.8
5	81	1	79	0.017	45.4
47	278	5	235	0.017	45.1
47	278	5	235	0.018	45.1
51	278	9	235	0.019	45.1
223	278	5	59	0.019	42.7
96	270	406	566	0.019	45.8
96	269	24	191	0.019	44.7
84	277	51	245	0.02	45.1
88	270	48	230	0.021	45.1
143	269	112	232	0.022	45.1
18	82	30	99	0.022	45.4
18	82	30	99	0.023	45.4
18	82	30	99	0.023	45.4
85	278	11	190	0.024	44.3
96	278	66	252	0.025	44.7
101	278	110	267	0.026	44.7
51	278	9	235	0.026	44.7
51	278	9	235	0.027	44.7
51	278	9	235	0.028	44.7
47	278	5	235	0.028	44.7
47	278	5	235	0.029	44.7
175	278	553	648	0.033	45.1
47	278	5	235	0.034	44.3
94	278	39	213	0.035	44.3

47	278	5	235	0.038	44.3
12	81	12	81	0.039	44.7
52	278	10	235	0.039	44.3
85	274	175	360	0.041	44.7
47	278	5	235	0.042	43.9
93	270	60	241	0.043	44.7
154	270	343	455	0.2	42.4
47	278	5	235	0.047	43.9
94	278	20	193	0.047	43.5
119	278	3	154	0.048	43.1
47	278	5	235	0.05	43.9
47	278	5	235	0.05	43.9
1	76	1	82	0.051	44.3
96	269	2	164	0.052	43.1
96	278	38	210	0.052	43.5
157	281	169	287	0.053	43.9
96	278	40	225	0.053	43.5
154	278	479	598	0.053	44.3
1	76	1	82	0.055	43.9
47	278	5	235	0.055	43.5
55	278	3	225	0.055	43.5
91	270	68	242	0.056	43.9
80	278	7	193	0.06	43.1
51	278	9	235	0.064	43.5
127	270	83	211	0.064	43.1
47	278	5	235	0.065	43.5
96	278	40	225	0.073	43.1
1	76	1	82	0.075	43.5
96	278	40	225	0.076	43.1
52	278	10	235	0.077	43.1
52	278	10	235	0.08	43.1
52	278	6	229	0.082	43.1
47	278	5	235	0.086	43.1
47	278	5	235	0.088	43.1
2	92	10	109	0.089	43.5
51	278	9	235	0.092	43.1
143	269	112	232	0.094	43.1
177	270	121	211	0.1	42.7
1	74	1	78	0.11	43.1
175	270	475	562	0.11	43.5
92	283	49	243	0.11	43.1

52	278	10	235	0.11	42.7
3	228	4814	5037	0.12	43.5
47	278	5	235	0.12	42.7
96	278	40	225	0.12	42.7
127	270	94	222	0.12	42.4
55	278	3	225	0.13	42.4
8	97	4	109	0.13	42.7
85	274	72	263	0.14	42.4
96	278	470	642	0.14	43.1
164	270	19	115	0.15	40.8
88	270	31	203	0.15	42.4
99	269	48	207	0.15	42.4
89	281	99	289	0.15	42.7
49	283	14	243	0.15	42.7
47	278	5	235	0.16	42.4
96	278	40	225	0.17	42
45	273	9	221	0.17	42
9	94	4	89	0.18	42.4
47	278	5	235	0.18	42
47	278	5	235	0.18	42
89	281	99	289	0.2	42.4
166	270	195	308	0.21	42
47	278	5	235	0.21	42
154	278	135	254	0.22	42
177	272	121	213	0.23	41.6
96	278	182	339	0.24	42
96	278	50	235	0.24	41.6
175	278	547	642	0.25	42.4
47	278	5	235	0.25	41.6
83	283	69	256	0.27	42
145	278	86	213	0.27	41.6
159	279	153	262	0.27	41.6
47	278	5	235	0.28	41.6
47	278	5	235	0.3	41.6
47	278	5	235	0.3	41.6
96	278	13	185	0.33	40.8
96	278	40	225	0.33	41.2
87	283	53	252	0.35	41.6
175	278	548	643	0.4	41.6
229	278	539	587	0.4	41.6
9	94	4	89	0.44	41.2

62	269	149	350	0.47	41.2
47	278	5	235	0.47	40.8
96	273	42	215	0.49	40.4
32	278	3	263	0.49	40.8
90	278	48	224	0.53	40.4
143	278	116	241	0.55	40.4
96	278	40	225	0.57	40.4
96	278	57	229	0.63	40.4
96	278	40	225	0.66	40.4
96	278	40	225	0.67	40.4
99	270	187	349	0.69	40.8
96	278	40	225	0.72	40
106	281	70	231	0.74	40.8
39	267	19	247	0.76	40.4
96	278	57	229	0.85	40
167	278	140	250	0.87	40
1	82	2	87	0.87	40.4
200	281	215	296	0.9	40
93	278	54	229	0.93	40
177	278	20	113	0.94	38.5
5	106	1	93	1.1	40
93	278	54	229	1.1	39.7
177	278	20	113	1.1	38.1
4	82	55	136	1.1	40
45	273	9	221	1.1	39.7
177	272	121	213	1.2	39.3
5	82	9	91	1.2	40
136	270	11	143	1.2	40
45	273	10	222	1.3	39.3
83	279	34	245	1.4	39.3
83	278	43	229	1.4	39.3
96	278	50	235	1.5	39.3
47	269	25	250	1.5	39.7
9	73	10	75	1.5	39.7
86	278	27	222	1.5	39.3
145	280	21	144	1.5	38.5
96	278	40	225	1.5	39.3
96	278	39	211	1.5	39.3
96	278	57	229	1.6	39.3
177	270	122	212	1.6	38.9
96	278	17	202	1.7	38.9

96	278	50	235	1.7	39.3
96	278	50	235	1.7	38.9
177	278	20	113	1.8	37.7
83	278	43	229	1.8	38.9
47	269	25	250	1.8	39.3
164	268	256	350	1.9	39.3
95	273	48	222	1.9	38.9
47	278	5	235	2	38.9
47	269	25	250	2	39.3
1	80	11	93	2.1	39.3
96	269	22	185	2.2	38.5
9	82	6	85	2.4	38.9
96	278	57	229	2.4	38.5
47	274	12	230	2.4	38.5
94	278	25	196	2.4	38.5
83	278	4	190	2.5	38.5
177	270	122	212	2.5	38.5
45	273	9	221	2.5	38.5
40	273	1	223	2.5	38.5
94	274	41	207	2.6	38.5
6	78	3	75	2.7	38.5
36	106	7	89	3	38.9
1	80	11	93	3	38.9
177	270	121	211	3	38.1
164	269	186	286	3	38.5
209	278	522	586	3	38.9
177	270	122	212	3.1	38.1
80	278	14	223	3.1	38.1
47	273	7	222	3.1	38.1
177	270	121	211	3.2	38.1
177	270	121	211	3.3	38.1
209	278	522	586	3.3	38.9
93	268	179	350	3.3	38.5
31	82	40	89	3.4	38.5
113	263	41	184	3.6	38.5
47	273	7	222	3.6	38.1
47	273	7	222	3.6	38.1
93	272	179	355	3.8	38.5
144	270	86	211	3.9	37.7
93	279	85	284	3.9	38.1
83	278	43	229	3.9	38.1

224	268	307	350	4.1	38.1
45	273	9	221	4.3	37.7
224	268	307	350	4.3	38.1
224	268	307	350	4.4	38.1
15	98	12	98	4.4	38.1
47	273	7	222	4.5	37.7
45	273	9	222	4.5	37.7
177	278	20	113	4.6	36.6
186	270	130	211	4.7	37.7
41	273	3	221	5	37.7
111	270	90	244	5	38.1
80	278	14	223	5.1	37.7
80	278	14	223	5.2	37.7
96	269	22	185	5.4	37.4
9	82	6	85	5.5	37.7
164	278	164	281	5.5	37.7
80	278	14	223	5.6	37.4
198	270	143	211	5.9	37.4
93	278	10	185	6	37
80	284	14	229	6.3	37.4
47	273	7	222	6.4	37.4
91	245	50	192	6.6	37.4
47	273	7	222	6.6	37.4
91	250	126	273	6.8	37.4
201	270	145	210	7.3	37
89	273	33	211	7.3	37
220	278	512	586	7.4	37.7
199	274	16	85	7.4	35.4
240	269	179	208	7.4	37.7
119	269	55	205	7.5	37
47	273	7	222	7.5	37
177	270	121	211	7.9	37
207	272	278	354	8.1	37.4
9	96	5	94	8.3	37
198	270	143	211	8.3	37
80	278	14	223	8.6	37
186	270	130	211	8.7	37
133	270	91	220	8.9	37.4
34	80	66	111	9	37.4
101	221	291	425	9.5	37.4
95	278	38	224	9.5	36.6

80	278	14	223	9.7	37
80	278	14	223	9.7	36.6
93	278	31	235	9.8	36.6
112	209	74	175	9.9	37.4