

Supplementary Table 7. 700 scaffolds (derived from unmapped reads) were matched to the NR-protein database

rank	scaffold_id	pscore	query_length	target_length	target_accession	
1	C60550	3.0	2.33216E-14	401	1356	45478104
1	C66954	9.0	2.76586E-09	579	1260	126296
1	C68292	6.0	1.67915E-12	644	809	21411215
1	C60584	6.0	2.38519E-07	401	1272	66734174
1	C65484	8.0	1.1565E-11	525	1079	74006100
1	C59162	7.0	1.76E-26	378	227	283096349
1	C62614	6.0	2.47E-20	443	723	291407239
1	C56470	10.0	5.57E-25	336	468	17066524
1	scaffold68	6.5	9.68141E-10	830	1339	73946349
1	C60580	8.0	4.12E-19	401	416	74011368
1	C66760	5.0	6.12786E-12	572	1159	74003681
1	C72160	9.0	5.35E-29	1104	135	326934106
1	C73696	9.0	1.81939E-13	2880	700	270013850
1	scaffold234	7.0	2.97803E-07	1213	562	364964
1	C66742	4.0	1.46E-16	571	1031	73979343
1	C67648	9.0	6.86951E-10	611	472	301764723
1	C71462	5.0	5.4735E-08	958	491	327268317
1	C69170	8.0	6.02E-30	702	609	73964634
1	C67882	6.0	1.30482E-11	621	473	242020244
1	C71848	5.0	2.82E-21	1028	344	123270417
1	C63292	5.0	5.56098E-09	460	123	296315065
1	C56096	5.0	2.51998E-09	331	2519	311276164
1	C61238	4.0	6.59682E-10	413	1846	47220139
1	C61556	5.0	2.72E-27	420	2552	224458400
1	C67412	5.0	1.10E-53	599	2552	224458400
1	C71638	5.0	4.8545E-15	992	2571	326913484
1	C71996	5.0	8.14E-71	1063	1272	66734174
1	C64606	8.0	1.07E-52	498	972	74010171
1	C66028	8.0	2.08E-69	543	261	294774368
1	C60972	9.0	9.06E-19	409	261	189493093
1	C63756	10.0	2.06E-27	473	104	320118989
1	C69212	11.0	4.09E-32	705	226	262399669
1	C69294	9.0	8.38E-30	710	226	262399669
1	C56190	4.0	2.68222E-11	333	227	294774435
1	C57208	5.0	1.18E-18	347	459	15079212
1	C62382	4.0	6.99E-20	438	118	148292222
1	C70990	9.0	6.34E-69	892	230	254028457
1	C54000	8.0	2.78052E-08	306	654	73984574
1	C67318	5.0	7.99E-35	596	484	21622589
1	C56578	8.0	1.41685E-12	338	3404	83317874
1	C59442	9.0	1.34E-18	382	3404	83317874
1	C65082	6.0	1.42311E-10	512	3404	83317874
1	C73208	7.0	2.05E-33	1591	717	325085610
1	C73284	7.0	1.11251E-08	1692	3404	83317874
1	C73768	7.0	2.50E-21	4188	3404	83317874

1	C57488	6.0	7.67704E-06	351	301	73991115
1	C70040	8.0	4.36447E-09	772	712	73966616
1	C64476	7.0	1.93479E-09	494	654	73984574
1	scaffold26	4.0	3.40343E-06	456	654	73984574
1	C66800	5.0	2.32858E-11	573	183	297250762
1	C61314	49.0	1.36918E-15	415	774	73945978
1	C61790	7.0	1.39722E-07	425	754	73988965
1	scaffold167	7.1	9.90E-32	596	1275	73981671
1	C67946	5.0	1.39563E-12	624	314	281348240
1	scaffold233	6.5	2.1717E-07	844	1272	148645276
1	C72682	44.0	3.49291E-06	1261	607	194207280
1	C72898	7.0	7.16E-24	1381	3404	83317874
1	C61680	4.0	8.21E-16	423	489	50979184
1	C66066	6.0	1.35336E-15	544	489	50979184
1	C55326	7.0	6.27715E-08	321	166	345543
1	C61334	6.0	9.52579E-09	415	38	297302964
1	C54848	6.0	1.23577E-08	316	166	345543
1	C62432	4.0	1.71E-34	439	318	189492219
1	C66988	7.0	6.56E-65	581	318	148298632
1	scaffold185	8.4	4.28332E-06	598	264	73962846
1	C67638	10.0	5.59052E-10	610	166	345543
1	C58590	8.0	2.31E-39	368	379	262399704
1	C59326	5.0	7.16E-34	381	125	12622083
1	C61944	9.0	2.58E-62	428	379	254028466
1	C64022	7.0	1.18E-29	480	1402	74011366
1	C54300	6.0	2.42E-20	309	606	255761436
1	C60206	5.0	8.79E-26	395	261	189493093
1	C57260	12.0	3.16E-34	348	459	115494575
1	C62532	9.0	8.53E-26	441	288	118136415
1	C68302	12.0	1.90E-40	644	347	90110749
1	C71534	8.0	6.53E-17	970	3404	83317874
1	C71784	8.0	9.58658E-14	1019	3404	83317874
1	C71928	5.0	4.31E-25	1048	589	325074608
1	C53968	9.0	1.61E-32	306	459	207559990
1	C68562	16.0	5.32E-50	662	852	114595784
1	C55260	5.0	4.47E-38	320	1275	2981631
1	C59564	6.0	1.17E-18	385	321	74008335
1	C53724	4.0	1.53131E-06	303	455	301783067
1	C53994	6.0	9.52154E-09	306	812	74007908
1	C59680	5.0	2.60359E-06	386	942	194211262
1	C65848	6.0	2.46946E-06	537	1377	74007490
1	C66990	5.0	6.89593E-06	581	718	74007494
1	C73272	6.0	4.31E-21	1679	3404	83317874
1	C73306	8.0	3.30E-32	1723	717	325085610
1	C73570	6.0	6.49E-31	2229	717	325085610
1	C68646	6.0	1.03095E-07	668	77	149031306
1	C69096	5.0	1.60204E-09	698	1545	164665416
1	C70026	6.0	6.8944E-15	770	452	311276323

1	C53324	6.0	1.06433E-07	300	957	73999407
1	C62182	7.0	1.33318E-10	433	3404	83317874
1	C66378	9.0	1.66989E-11	556	927	301755430
1	C54438	7.0	9.201E-12	310	1208	74008436
1	C54628	4.0	3.05172E-07	312	295	301774871
1	C57312	6.0	1.55282E-06	348	1402	73951376
1	C57674	8.0	1.08E-34	353	1272	73974662
1	C58430	3.0	5.55E-25	365	1272	73974662
1	C59026	8.0	1.65E-16	376	1208	74008436
1	C59662	7.0	3.84E-39	386	1402	74011366
1	C60610	6.0	1.4879E-09	402	1272	73974662
1	C61958	6.0	1.15E-22	428	1402	73951376
1	C63508	8.0	2.75E-39	466	1344	73971897
1	C64086	3.0	5.94083E-11	482	1208	74008436
1	C65476	7.0	2.81E-50	525	1402	74011366
1	C66592	53.0	1.51E-57	564	1344	73999461
1	C67284	11.0	5.60765E-14	595	1275	74008029
1	C68340	7.0	7.88E-18	647	1196	74007944
1	C68620	32.0	1.30E-34	666	1275	2981631
1	C69396	7.0	2.12E-44	719	1025	74007488
1	C70044	7.0	9.9786E-06	772	929	73994669
1	C70184	59.0	1.19E-26	785	1384	73964662
1	C55218	5.0	1.35636E-10	320	1425	46399087
1	C58298	4.0	1.86489E-14	363	1425	46399087
1	C62914	5.0	9.31E-20	450	1425	46399087
1	C63006	7.0	3.30E-17	452	1327	53771848
1	C57640	5.0	3.91856E-10	353	1327	53771848
1	C66920	6.0	5.92992E-10	578	1327	53771848
1	C67238	5.0	9.56521E-14	592	1413	297709805
1	C69002	4.0	1.85E-26	692	1424	33859492
1	C68152	15.0	5.0909E-14	637	514	50979244
1	C69962	6.0	3.96E-31	764	3404	83317874
1	C71626	8.0	3.03177E-09	990	712	73966616
1	C71728	6.0	7.99379E-13	1009	3404	83317874
1	C72436	7.0	5.71E-32	1179	717	325085610
1	C72630	7.0	3.41E-22	1247	589	325074608
1	C73182	7.0	6.86E-26	1559	717	325085610
1	C73242	7.0	2.12928E-09	1630	3404	83317874
1	C73292	8.0	1.04E-30	1704	3404	83317874
1	C73694	8.0	5.26E-36	2866	717	325085610
1	C63218	9.0	1.51754E-14	458	347	75072732
1	C72820	10.0	2.17E-107	1339	609	51339372
1	C70448	9.0	7.88E-76	814	175	108561428
1	C68696	9.0	7.96E-16	671	347	108561418
1	C65306	8.0	2.01E-28	519	227	288898378
1	C69356	5.0	2.60E-26	717	227	5921853
1	C59574	7.0	1.51E-26	385	346	262188100
1	C56078	6.0	1.38276E-07	331	3404	83317874

1	C68816	5.0	1.4044E-15	680	3404	83317874
1	C58846	4.0	8.25589E-08	372	1402	74011366
1	C71974	49.0	4.07E-19	1060	1272	148645276
1	C64902	10.0	2.33E-31	507	514	326536079
1	C72696	5.0	1.86835E-07	1271	143	284079
1	C71734	9.0	9.85846E-09	1009	68	119599122
1	C60352	8.0	1.43956E-09	397	1402	73951376
1	C62016	7.0	7.63E-26	430	118	148292222
1	scaffold143	10.0	6.30E-31	577	132	2826657
1	C62066	9.0	5.51E-81	431	277	310756654
1	C57518	7.0	1.54687E-06	351	142	260782220
1	C62018	4.0	1.38549E-07	430	231	194687705
1	C66650	6.0	2.84581E-06	566	231	194687705
1	C73234	5.0	1.68289E-06	1624	390	4098582
1	C73380	10.0	1.65E-37	1833	1272	66734174
1	C68486	6.0	3.28E-17	656	1272	148645276
1	C73614	9.0	4.40E-53	2369	847	74008523
1	C65104	6.0	4.62478E-14	513	183	297250762
1	C63532	7.0	3.11286E-15	467	1272	66734174
1	C55082	11.0	1.07E-23	318	1272	66734174
1	C73042	6.0	8.36E-18	1474	3404	83317874
1	C72734	5.0	1.12E-23	1288	1272	66734174
1	C62126	8.0	8.95969E-15	432	1272	148645276
1	C67452	5.0	4.63E-16	601	296	148645275
1	C64504	6.0	5.6714E-13	494	957	73999407
1	C58446	4.0	7.52951E-06	365	308	66734173
1	C66358	9.0	1.58801E-06	555	308	66734173
1	C71136	6.0	4.4797E-10	913	308	66734173
1	C69372	8.0	4.53E-34	718	1272	148645276
1	C65668	6.0	4.63061E-14	531	812	74007908
1	C72294	10.0	2.46E-16	1141	754	73988965
1	C73000	5.0	2.22059E-12	1444	1272	66734174
1	C63658	11.0	5.24201E-12	470	812	74007908
1	C71764	5.0	1.17E-26	1014	1275	2072972
1	C55806	5.0	1.00144E-11	327	1346	74007229
1	C72402	9.0	1.31892E-14	1172	1275	2072967
1	C70960	6.0	3.79E-24	889	764	253769266
1	C73660	10.0	1.30E-56	2585	1275	2120083
1	C58860	9.0	3.23351E-15	373	128	119607362
1	C55434	4.0	5.99175E-12	322	1272	66734174
1	C66940	5.0	7.04E-25	579	1272	148645276
1	C72164	7.0	4.72826E-09	1105	1275	2072967
1	C60608	4.0	3.28E-21	402	1207	74007516
1	C72380	5.0	8.60E-33	1164	1344	73971897
1	C64810	10.0	2.57899E-06	504	290	115954328
1	C56340	5.0	5.55E-30	334	180	297250696
1	C66544	8.0	2.32E-32	563	1031	73979343
1	C66662	5.0	8.41E-21	567	1402	74011366

1	C55168	6.0	3.35325E-09	319	123	296315065
1	C63024	5.0	1.35958E-12	453	123	296315065
1	C65052	5.0	4.31E-20	511	1272	148645276
1	C69744	7.0	4.62E-30	745	1031	73979343
1	C64402	18.0	3.54217E-11	491	705	190576558
1	C70486	5.0	2.23E-20	818	1274	73976474
1	C59426	6.0	3.69E-16	382	1272	66734174
1	C59966	8.0	1.62431E-06	391	437	301783049
1	C57784	55.0	5.41E-22	355	562	183396383
1	C57850	6.0	7.86516E-11	356	128	281354416
1	C63078	6.0	5.06E-18	454	1272	148645276
1	C70666	5.0	7.43E-24	846	1275	73973846
1	C73416	9.0	2.89E-58	1901	1384	73964662
1	C55732	4.0	1.59032E-11	326	1272	148645276
1	C61076	5.0	5.74932E-13	411	492	74008936
1	C62166	4.0	6.98545E-08	433	1259	225047
1	C62244	6.0	3.74E-24	435	1207	74007516
1	C57420	4.0	3.89258E-10	350	1339	73946349
1	C59726	5.0	8.64716E-10	387	296	148645275
1	C63580	4.0	1.40054E-07	468	296	148645275
1	scaffold193	7.0	9.29E-20	573	1275	2981631
1	C67160	10.0	1.41E-26	589	957	73999407
1	C68614	4.0	1.45946E-14	665	308	66734173
1	C73016	9.0	2.84E-17	1455	295	301774871
1	C70190	9.0	9.10629E-12	786	754	73988965
1	C62162	5.0	6.83115E-15	433	1275	73966507
1	C63786	4.0	6.87341E-15	473	1272	148645276
1	C64452	14.0	8.53112E-10	493	774	73945978
1	C61642	6.0	6.72904E-10	422	1366	73996185
1	C62010	8.0	5.83209E-14	429	718	74007494
1	C65568	5.0	8.21E-20	527	718	74007494
1	C67862	8.0	4.18845E-15	620	1275	2981631
1	C62226	6.0	5.01287E-11	434	224	119589289
1	C63238	4.0	3.53E-39	459	1273	73975969
1	C57634	6.0	1.36554E-10	353	1384	73964662
1	C56290	4.0	8.01337E-11	334	1402	74011366
1	C69022	60.0	3.73E-19	693	1384	73964662
1	C61282	5.0	5.7791E-06	414	61	296314328
1	C61866	4.0	8.45703E-13	426	847	74008523
1	C64358	8.0	1.39E-27	490	1275	73985407
1	C64498	8.0	1.55E-33	494	183	297250762
1	C70086	9.0	1.14E-50	775	1159	74003681
1	C73108	9.0	3.88E-50	1518	1402	73951376
1	C56466	6.0	7.17E-26	336	1338	73999443
1	C62170	10.0	1.21E-19	433	1272	148645276
1	C65358	8.0	1.26527E-08	521	950	73971725
1	C65394	8.0	3.70E-41	523	1272	66734174
1	C66580	9.0	3.45345E-06	564	97	51102308

1	C71814	6.0	1.16E-19	1023	113	281350181
1	C72342	11.0	1.68E-37	1155	1384	73964662
1	C58124	6.0	3.19E-23	360	183	297250762
1	C61994	5.0	1.2774E-13	429	123	296315065
1	C73520	52.0	2.88E-140	2106	1280	106322
1	C63634	4.0	2.26E-24	469	1275	73973846
1	C64758	7.0	7.92E-48	503	1275	73973846
1	C70880	5.0	4.3358E-06	875	1402	74011366
1	C66530	4.0	2.22717E-07	562	492	74008936
1	C72862	5.0	1.64E-37	1364	1272	66734174
1	C60568	3.0	1.39833E-07	401	1272	148645276
1	C59318	5.0	4.049E-07	380	722	73975967
1	C61096	5.0	6.11E-17	411	1275	2981631
1	C66316	9.0	6.88829E-10	554	1275	73973846
1	C59626	4.0	4.72E-39	386	180	297250696
1	C62480	4.0	1.38222E-15	440	418	74007231
1	C58588	5.0	1.63E-25	368	1272	66734174
1	scaffold270	8.0	4.17716E-13	1636	86	261381444
1	C55854	6.0	1.03E-31	328	1272	66734174
1	C63204	9.0	8.88E-23	458	730	74007942
1	C62514	5.0	4.00E-44	441	1275	2981631
1	C55630	5.0	4.91E-16	325	492	73973943
1	C60880	6.0	1.68484E-14	407	1272	148645276
1	C68306	8.0	1.25E-34	644	1275	74008029
1	C68610	4.0	7.38E-41	665	1031	73979343
1	C69226	6.0	1.36E-19	706	1377	74007490
1	C73274	9.0	3.35E-100	1680	1344	73999461
1	C56206	5.0	2.77E-24	333	764	253769266
1	C60262	4.0	2.23E-37	395	1402	74011366
1	C68740	6.0	1.24E-16	674	1275	2981631
1	C69086	49.0	5.44996E-10	697	295	301774871
1	C64214	6.0	5.65E-40	486	1275	73973846
1	C64992	7.0	6.04003E-06	509	427	281351415
1	scaffold236	8.0	2.95E-27	933	1344	73971897
1	C55522	4.0	1.12425E-14	324	1272	148645276
1	C67324	5.0	4.41E-19	596	1207	74007516
1	C69668	9.0	1.17E-24	740	1272	66734174
1	C70768	8.0	6.08E-29	859	1275	2072961
1	scaffold196	8.0	1.00198E-10	1025	296	148645275
1	C72902	60.0	8.15E-30	1382	1272	148645276
1	C70776	10.0	5.51E-22	860	524	296235005
1	C56428	4.0	5.23467E-07	336	1275	73966507
1	C72212	10.0	1.10183E-13	1117	1275	74007557
1	C70164	8.0	2.80115E-12	784	1272	66734174
1	C57368	8.0	1.51E-22	349	1272	148645276
1	C63492	6.0	2.23E-29	466	1272	148645276
1	C65202	5.0	1.85E-24	516	1272	148645276
1	C69036	9.0	2.12104E-06	694	1300	209553980

1	C59486	5.0	2.13E-16	383	118	296315057
1	C58902	6.0	1.96E-26	373	1275	73966507
1	C60602	7.0	2.88E-45	402	1363	74002870
1	C57698	6.0	6.25608E-08	354	1025	74007488
1	C73162	11.0	7.05E-31	1546	1275	74008029
1	C55466	37.0	1.2648E-08	323	894	47226214
1	C56996	4.0	3.03506E-10	344	776	92110047
1	C57158	4.0	1.03916E-10	346	776	92110047
1	C58304	55.0	4.57527E-11	363	776	92110047
1	C62812	4.0	1.65361E-08	447	897	327289093
1	C63250	55.0	7.99E-24	459	776	92110047
1	C63802	58.0	1.87181E-12	474	876	170583274
1	C65112	60.0	1.20474E-09	513	776	92110047
1	C66078	5.0	6.73225E-07	545	776	92110047
1	C68032	58.0	3.21629E-13	630	558	297710917
1	C72200	61.0	9.72E-27	1114	776	92110047
1	C73640	53.0	1.04638E-08	2504	776	92110047
1	C69740	6.0	8.16E-31	745	708	226437753
1	C71600	6.0	7.37E-16	982	660	227937255
1	C56972	3.0	1.31E-21	344	96	281350370
1	C67128	5.0	1.63E-26	588	1273	73975969
1	C72484	5.0	8.63E-21	1198	1402	73951376
1	C72700	9.0	9.39E-30	1272	1274	73976474
1	C73126	11.0	2.95E-76	1527	1196	74007944
1	C55350	7.0	2.34E-29	321	1402	73951376
1	C56598	4.0	9.58E-26	338	192	297250927
1	C56680	5.0	3.01E-27	339	1159	74003681
1	C57102	7.0	4.88E-16	345	1275	73966507
1	C57730	6.0	5.97216E-12	354	1240	73981667
1	C59154	6.0	4.05E-20	378	102	281338154
1	C60674	16.0	3.21967E-14	403	957	73999407
1	C62110	8.0	4.15E-20	432	1339	73946349
1	C62522	6.0	3.23E-33	441	1272	66734174
1	C63424	4.0	2.93E-16	464	1207	74007516
1	C63794	4.0	1.29E-16	474	1338	73999443
1	C64380	6.0	1.23353E-06	490	929	73994669
1	C65132	5.0	1.15E-31	514	1366	73996185
1	C65246	6.0	4.36651E-07	517	194	98989852
1	C65584	6.0	3.99E-26	528	1272	148645276
1	C65868	8.0	4.13E-43	538	1272	66734174
1	C66718	6.0	2.71021E-12	570	764	253769266
1	C66828	7.0	4.24E-44	574	1273	73975969
1	C66842	8.0	9.24E-61	574	1338	73999443
1	C66942	10.0	3.05127E-13	579	957	73999407
1	C67096	8.0	3.31E-36	586	1079	74006100
1	C67218	7.0	2.03268E-08	592	1338	73999443
1	C67546	8.0	1.43E-20	605	1196	74007944
1	C67650	11.0	3.42869E-07	611	1272	148645276

1	scaffold168	9.4	5.50138E-10	626	1339	73946349
1	C68250	4.0	1.16E-29	642	1272	148645276
1	C68304	13.0	3.93941E-08	644	308	66734173
1	C68500	9.0	4.35E-25	657	1275	2981631
1	C68856	8.0	3.06E-18	683	1272	148645276
1	C68890	8.0	8.22E-60	685	1208	74008436
1	scaffold200	7.8	1.11E-16	712	1402	73951376
1	C69318	6.0	9.42942E-13	713	1275	73973846
1	C70244	6.0	6.15E-30	791	1344	73971897
1	C71038	9.0	3.40E-33	900	1207	74007516
1	C71066	9.0	6.28E-32	903	1272	148645276
1	C71190	6.0	4.41E-16	921	127	281349743
1	scaffold191	9.1	6.83E-51	966	1366	73996185
1	C71608	10.0	1.27E-23	984	1402	74011366
1	C72606	9.0	4.90581E-13	1241	1275	2072953
1	C73298	46.0	2.39E-68	1713	1384	73964662
1	C73436	10.0	9.23E-108	1940	1275	73973846
1	C53372	5.0	1.13E-33	300	400	92110043
1	C65342	7.0	3.41596E-09	521	1275	2072967
1	C53888	4.0	2.34E-31	305	2519	311276164
1	C67828	5.0	6.06111E-09	619	2571	326913484
1	C69026	5.0	7.26E-23	694	225	57114083
1	C64804	10.0	8.95E-23	504	313	285399861
1	C60786	4.0	1.7504E-10	405	113	281352949
1	C69616	5.0	3.47E-29	737	1639	74006718
1	C70258	5.0	6.88315E-13	793	2519	311276164
1	C69438	7.0	3.1132E-11	722	188	149032233
1	C71340	9.0	4.57E-33	939	1275	2072977
1	C58700	6.0	2.01581E-07	370	1272	148645276
1	C61746	6.0	1.18008E-14	424	730	327488513
1	C69346	6.0	1.18111E-11	716	254	34532236
1	C72768	11.0	7.39E-28	1310	1272	66734174
1	C63984	9.0	2.63922E-12	479	1259	225047
1	scaffold181	8.3	1.11385E-09	876	1031	73979343
1	C61452	5.0	2.60684E-06	417	1272	148645276
1	C62644	7.0	2.65139E-06	444	254	34532236
1	C65814	5.0	3.73628E-11	536	1402	74011366
1	C71086	9.0	1.11281E-13	905	1384	73964662
1	scaffold115	5.8	6.32785E-08	549	61	296314328
1	C59238	4.0	2.09E-21	379	1272	148645276
1	C59242	8.0	7.87E-19	379	1040	301603905
1	C54340	5.0	2.57745E-14	309	128	115313021
1	C63990	7.0	6.89676E-14	479	1275	17980447
1	C65268	7.0	1.69487E-08	518	224	119589289
1	C68132	5.0	2.00681E-14	635	1275	2072958
1	C66282	5.0	7.73527E-06	552	1259	225047
1	C53812	7.0	7.09672E-12	304	129	301761514
1	C67768	9.0	1.08E-26	616	1275	2072977



1	C53436	10.0	2.76326E-06	301	419	149618125
1	C72706	8.0	8.63279E-13	1274	754	73988965
1	C54734	7.0	3.5916E-08	314	1272	148645276
1	C61888	8.0	5.85668E-14	427	141	168066203
1	C71382	8.0	1.72185E-06	947	775	311262055
1	C61056	9.0	1.74E-26	410	160	119625410
1	C73496	7.0	5.33372E-08	2042	1275	2981631
1	C64092	6.0	1.04732E-10	482	764	253769266
1	C71420	9.0	2.45E-16	952	1275	2072977
1	C61550	4.0	3.16909E-08	420	1275	2072951
1	C68988	9.0	7.98E-26	691	1300	209553980
1	C67754	8.0	1.11218E-07	616	105	119606449
1	C54156	5.0	1.68205E-06	308	180	297250696
1	C56590	9.0	2.11E-24	338	4154	301774951
1	C60494	5.0	5.33533E-07	399	955	149060124
1	C60112	9.0	3.82065E-10	393	1182	7522108
1	C60192	10.0	1.78E-18	394	833	297676074
1	C71354	7.0	1.7844E-12	943	1275	74008029
1	C63762	5.0	3.8178E-11	473	363	281338530
1	C71308	8.0	1.18258E-13	935	1272	66734174
1	C64026	5.0	3.4153E-06	480	1104	37361816
1	C68932	6.0	1.37142E-11	687	562	183396383
1	C67136	7.0	8.37E-41	588	224	119588287
1	C55680	5.0	6.68155E-10	326	1272	148645276
1	C72224	10.0	3.67E-25	1119	1054	296213519
1	C71612	8.0	5.56237E-07	986	192	297250927
1	C71232	9.0	7.55542E-08	925	957	73999407
1	C71830	9.0	6.93891E-12	1026	1272	66734174
1	C62916	9.0	1.03129E-10	450	157	1196431
1	C56908	9.0	4.10674E-12	343	416	73978163
1	C62754	6.0	2.64002E-06	446	1272	148645276
1	C72518	9.0	2.20343E-10	1213	1421	296222541
1	C69040	7.0	8.98327E-13	695	397	301784823
1	C72084	9.0	1.79E-21	1084	1280	106322
1	C67772	8.0	5.72567E-08	617	1272	66734174
1	C62308	6.0	8.60468E-10	436	1275	73973846
1	C68466	9.0	1.70275E-15	655	1260	126296
1	C70340	9.0	9.10E-24	802	562	364964
1	C58672	8.0	1.95E-33	369	1516	297285485
1	C71374	9.0	6.97E-16	945	367	326921974
1	C66490	8.0	9.65461E-07	560	1272	148645276
1	C65542	7.0	7.91E-31	527	1275	2072977
1	C65338	6.0	9.39805E-12	521	1280	106322
1	C72182	9.0	4.29529E-10	1109	313	301761816
1	C68906	11.0	7.75395E-13	686	1272	66734174
1	C69670	9.0	4.05055E-13	740	1281	558908
1	C68068	8.0	2.54093E-10	633	1272	148645276
1	C62434	10.0	1.66E-29	439	1939	119596893

1	C67670	7.0	6.01799E-06	612	254	297299728
1	C61352	7.0	4.38417E-11	416	180	297250696
1	C71766	18.0	2.97206E-07	1015	123	149032404
1	C56816	6.0	2.32E-23	341	1272	66734174
1	C60638	6.0	2.24E-20	402	1280	106322
1	C54752	4.0	9.01529E-14	314	762	194227826
1	C68604	9.0	2.00E-26	664	1272	66734174
1	C66978	10.0	2.03809E-10	580	1344	73999461
1	C68346	9.0	9.28E-27	647	2753	297274934
1	C59784	61.0	1.51E-22	388	1337	126344438
1	C70582	9.0	1.10E-19	833	1260	126296
1	C59746	6.0	8.94841E-07	387	159	148703677
1	C71304	10.0	4.88527E-14	935	573	2197085
1	C57588	5.0	1.95E-18	352	1272	148645276
1	C71314	6.0	5.27574E-07	936	156	70939614
1	C69664	58.0	1.3488E-14	740	1272	148645276
1	C57408	7.0	2.38648E-07	350	562	183396383
1	C73408	10.0	8.4371E-07	1888	904	73964664
1	C60536	8.0	1.61143E-07	400	377	73971610
1	C68422	7.0	2.95722E-06	651	123	296315065
1	C68660	8.0	3.26138E-07	669	1300	1791243
1	C61584	5.0	5.36E-22	421	1031	73979343
1	C71294	10.0	7.69E-30	933	1057	92110051
1	C71642	8.0	2.58005E-08	993	1275	2981631
1	C73590	9.0	9.53619E-09	2310	1260	126296
1	C57170	4.0	6.73562E-10	346	1327	53771848
1	C61734	6.0	1.18779E-06	424	108	119608864
1	C70720	9.0	1.05684E-09	851	367	804811
1	C69720	5.0	1.03229E-12	743	1272	148645276
1	C68348	5.0	8.54241E-07	647	1272	148645276
1	C65400	9.0	6.23465E-09	523	1275	2981631
1	C69562	11.0	7.1997E-11	733	385	62087934
1	C56006	6.0	5.81791E-14	330	129	164430490
1	C55714	9.0	9.32333E-12	326	763	291403264
1	C55334	7.0	2.01929E-06	321	562	364964
1	C61234	6.0	4.25421E-14	413	252	116283716
1	C72292	8.0	6.91606E-11	1140	584	327272746
1	C58748	5.0	3.88044E-06	371	119	281341662
1	C64820	5.0	1.38138E-15	505	1275	2981631
1	C67612	10.0	3.23E-36	609	243	119568404
1	C66122	7.0	5.46375E-07	546	1272	148645276
1	C58082	10.0	3.06457E-12	359	1272	66734174
1	C55240	4.0	7.18E-20	320	454	2226004
1	C57610	6.0	1.17E-22	353	591	114583892
1	C62032	7.0	2.76E-21	430	454	2226004
1	C70216	7.0	2.48436E-09	788	1272	73974662
1	C71624	9.0	7.64E-17	990	664	73987678
1	C53822	6.0	6.39531E-13	304	1272	66734174

1	C63948	5.0	5.28E-28	478	1344	73999461
1	C70622	5.0	8.50E-26	840	1272	66734174
1	C68404	4.0	3.71267E-07	650	296	148645275
1	C70508	9.0	4.68613E-09	822	419	149618125
1	C56872	5.0	6.13671E-08	342	562	183396383
1	C69882	8.0	1.06452E-13	757	1272	148645276
1	C66134	10.0	3.34118E-06	546	1280	106322
1	C65964	7.0	6.60024E-07	541	654	73984574
1	C53610	7.0	9.73054E-11	302	126	281338506
1	C70672	9.0	4.25788E-11	847	712	73966616
1	C59528	5.0	6.85155E-07	384	1281	558908
1	C70118	11.0	7.56771E-09	779	1275	92111133
1	C71078	5.0	3.53248E-06	904	1272	148645276
1	C69112	10.0	4.88E-18	699	183	297250762
1	scaffold273	7.6	1.27E-24	1531	3404	83317874
1	C54038	3.0	1.98536E-06	306	197	114555003
1	C63330	7.0	1.5144E-06	461	299	297664742
1	C63782	6.0	4.24147E-08	473	754	45478232
1	C70616	6.0	4.62764E-08	839	957	73999407
1	C70224	10.0	1.02E-16	789	1275	2072961
1	C54082	5.0	4.02228E-10	307	225	125537847
1	C65676	5.0	4.6048E-12	531	135	804809
1	C71862	10.0	5.55257E-13	1032	1272	66734174
1	C70354	6.0	1.09E-45	803	1272	66734174
1	C60508	8.0	1.53366E-14	400	183	297250762
1	C72988	5.0	7.08779E-14	1439	1503	62666798
1	C73526	9.0	2.14556E-11	2127	1272	66734174
1	C68554	5.0	1.0345E-07	661	88	281354217
1	C72136	10.0	6.30635E-06	1099	821	307150584
1	C70882	7.0	1.85521E-09	875	700	270013850
1	C72080	8.0	2.5489E-09	1083	821	307150584
1	C72844	6.0	6.75707E-11	1352	3404	83317874
1	C53326	9.0	7.87496E-11	300	1716	301755346
1	C65544	6.0	1.11E-16	527	1716	301755346
1	C66168	6.0	3.63974E-08	548	1931	311115255
1	C57282	8.0	6.09211E-11	348	466	291394337
1	C71112	4.0	2.64E-17	909	2552	327268409
1	C63468	9.0	6.30E-16	465	330	114582549
1	C62140	6.0	1.6297E-08	432	491	327268317
1	C65444	5.0	3.73817E-09	524	478	297493524
1	C55938	6.0	4.14091E-09	329	492	73973943
1	C53942	8.0	4.42889E-14	305	183	297250762
1	C72392	8.0	2.14148E-07	1168	1272	148645276
1	C63158	6.0	3.51384E-11	456	1716	301755346
1	C63668	8.0	6.65892E-10	471	609	73964634
1	C68710	8.0	2.5096E-09	672	305	301770281
1	C57938	3.0	7.61803E-06	357	1344	73999461
1	C62464	7.0	5.74705E-06	440	929	73994669

1	C55716	5.0	3.66629E-08	326	184	268567568
1	C69864	4.0	1.64947E-13	755	1084	297303308
1	C53808	7.0	8.45E-16	304	183	297250762
1	C68772	8.0	2.03266E-06	678	74	296314573
1	C61130	24.0	7.72E-21	412	1079	74006100
1	C64392	6.0	1.94366E-09	491	135	34526788
1	C67298	6.0	1.02E-57	595	1275	73966507
1	C72578	9.0	1.42E-47	1235	1385	73973206
1	C64636	5.0	7.44516E-06	498	957	73999407
1	C73196	6.0	3.76E-18	1577	1025	74007488
1	C59462	5.0	1.71E-20	383	1402	73951376
1	C61168	6.0	2.12666E-12	412	418	74007231
1	C69138	9.0	1.19691E-09	700	1280	106322
1	C67098	8.0	9.23E-30	586	436	74008932
1	C65370	8.0	7.35315E-10	522	1079	74006100
1	C67394	4.0	1.1431E-13	599	1275	73973846
1	C72050	9.0	2.92E-16	1077	3404	83317874
1	C61618	4.0	1.65E-32	421	606	167716875
1	C65572	8.0	5.34E-46	528	609	51339397
1	C72336	7.0	6.34E-121	1155	606	294774400
1	C73194	8.0	5.17E-21	1577	183	297250762
1	C66586	8.0	1.07E-31	564	436	74008932
1	C62972	6.0	1.41939E-09	452	1272	148645276
1	C67454	10.0	7.51538E-07	601	338	5052950
1	C65010	7.0	3.06E-21	510	609	73964634
1	C64540	5.0	2.9662E-07	495	1260	126296
1	C63356	10.0	2.53708E-07	462	1272	66734174
1	C66020	8.0	2.19E-18	542	1872	281349880
1	C58406	6.0	1.79215E-07	365	705	190576558
1	scaffold154	8.2	1.0403E-06	622	712	1335205
1	C71520	9.0	2.65891E-10	967	847	74008523
1	C71914	6.0	7.62E-26	1045	1272	66734174
1	C72432	9.0	1.15E-16	1178	812	74007908
1	C69524	7.0	4.81752E-14	729	1280	106322
1	C73074	10.0	1.5089E-14	1495	601	281342915
1	C68564	4.0	4.71E-37	662	1766	297493257
1	C64406	11.0	3.91633E-10	491	382	296192078
1	C63622	59.0	2.07E-17	469	1344	73999461
1	C67384	5.0	3.92369E-15	598	1275	73973941
1	C69408	9.0	7.52E-42	721	754	73988965
1	C70402	5.0	3.21E-20	809	1272	148645276
1	scaffold148	7.4	3.41E-17	905	1159	74003681
1	C69342	8.0	7.78408E-07	716	705	190576558
1	C66944	6.0	1.11E-31	579	1275	2072964
1	C54466	5.0	1.98077E-08	311	296	148645275
1	C54468	4.0	4.3238E-08	311	296	148645275
1	C54512	5.0	4.0813E-14	311	1272	148645276
1	C70028	8.0	3.08E-31	771	1272	148645276

1	scaffold145	6.2	6.31097E-13	671	3404	83317874
1	C64356	4.0	1.49E-18	490	1272	66734174
1	C66996	6.0	1.13E-24	581	664	73987678
1	C70384	5.0	9.90479E-15	806	1272	148645276
1	C62160	7.0	3.39814E-06	433	1275	92111133
1	C58312	3.0	2.1253E-08	363	1300	1791243
1	C62708	4.0	1.54294E-07	445	1272	66734174
1	C61590	4.0	1.71119E-13	421	827	311275908
1	C56832	5.0	5.92328E-06	342	764	253769266
1	C72310	9.0	3.70E-28	1148	1272	148645276
1	C69818	5.0	6.9971E-07	751	1272	148645276
1	C62006	5.0	5.62496E-07	429	1196	74007944
1	C66858	6.0	9.22E-16	575	1272	148645276
1	C69698	7.0	6.46583E-15	742	192	297250927
1	C72780	5.0	7.30E-23	1315	1272	66734174
1	C66734	7.0	4.46748E-07	571	1272	148645276
1	scaffold217	5.1	1.0699E-09	857	377	126661643
1	scaffold157	8.4	7.58606E-07	821	95	153878697
1	C61440	5.0	5.00912E-10	417	316	167957114
1	scaffold75	8.8	5.18E-50	2321	1275	2072977
1	C61824	4.0	3.99281E-11	425	1384	73964662
1	C72176	5.0	1.73249E-13	1107	296	148645275
1	C73244	63.0	5.61744E-10	1631	776	92110047
1	C56780	5.0	1.66E-21	341	2552	224458400
1	C57266	5.0	2.6487E-06	348	2552	224458400
1	C70912	5.0	6.56E-18	880	2552	224458400
1	C72556	5.0	2.55347E-14	1227	2547	149744453
1	C72626	9.0	5.30057E-14	1247	377	126661643
1	C53930	4.0	3.55244E-07	305	180	297250696
1	C53618	6.0	6.04924E-13	302	107	297270420
1	C57402	4.0	7.09404E-08	350	1275	2072958
1	C69920	5.0	1.04E-27	760	1280	106322
1	C66330	5.0	3.06522E-10	554	1344	73971897
1	C69914	6.0	3.15538E-06	759	96	281349076
1	C69544	9.0	9.30E-19	731	213	281338557
1	C55438	4.0	2.83312E-12	322	300	296198405
1	C73374	11.0	4.48E-19	1827	213	149027158
1	C55018	12.0	5.32E-31	317	4138	301772256
1	C62368	9.0	1.11E-57	437	4138	301772256
1	C61080	7.0	2.71E-16	411	103	301755352
1	scaffold225	9.4	6.9104E-07	771	466	73961179
1	scaffold121	8.0	6.03591E-07	575	235	301789295
1	C59882	6.0	2.10E-40	389	592	301791431
1	C66156	9.0	8.35E-35	547	309	73968303
1	C70684	9.0	3.48E-21	847	2971	301775003
1	C62500	8.0	1.36472E-15	440	1405	301767450
1	C70598	8.0	6.59E-17	836	1405	301767450
1	C60872	7.0	4.45125E-14	407	220	297273977

1	C59922	7.0	1.54188E-08	390	232	297285351
1	C73516	16.0	1.22544E-15	2096	362	71423181
1	C59070	8.0	1.40E-23	376	705	297279341
1	C66276	9.0	1.03E-42	552	6725	301773066
1	C68262	5.0	1.35E-62	643	376	301766408
1	C65816	9.0	5.1372E-12	536	354	301785602
1	C62978	4.0	1.87E-20	452	1004	301784160
1	C62654	8.0	2.68E-27	444	316	311246463
1	C72210	10.0	6.25655E-09	1116	439	218675770
1	C58848	7.0	4.36E-25	372	5172	301772840
1	scaffold261	8.3	1.45E-18	1289	188	291385975
1	C72376	8.0	5.66E-109	1164	833	301763551
1	C62004	7.0	6.44813E-13	429	343	301775304
1	C67762	8.0	1.71E-24	616	304	301768443
1	C66040	8.0	5.93E-18	543	108	326928055
1	C66314	7.0	3.35E-17	553	491	311272317
1	C62462	9.0	2.84562E-13	439	578	301776496
1	C62828	9.0	1.18505E-06	448	578	301776496
1	C71176	9.0	1.79E-29	919	345	301779403
1	C70412	10.0	2.86E-70	810	749	119624875
1	C70722	10.0	5.58E-136	852	784	301767096
1	C73076	8.0	5.15E-156	1497	784	301767096
1	C69006	6.0	8.04127E-14	693	156	297299319
1	C61600	5.0	1.44861E-12	421	1093	301758535
1	C68948	5.0	2.37072E-10	688	1093	301758535
1	C55768	10.0	6.87249E-15	327	2659	301783855
1	C57686	6.0	1.48905E-09	353	2579	297288028
1	C71496	9.0	4.67E-63	963	714	297485987
1	C65064	12.0	4.72651E-14	511	1359	297490529
1	C66152	8.0	2.38E-20	547	846	194209149
1	C57032	10.0	1.23E-27	344	2054	281340843
1	C59770	8.0	1.92E-18	388	1256	194218860
1	C62474	8.0	7.37E-56	440	306	47576581
1	C68970	5.0	7.53E-30	690	311	297692107
1	C56530	10.0	5.03E-38	337	345	57114113
1	C67040	8.0	2.70E-18	583	2776	194215380
1	C67840	8.0	1.70E-27	619	2960	291390058
1	C66074	6.0	3.06913E-09	544	785	7021933
1	C69110	5.0	7.44178E-07	699	827	311275908
1	C60822	9.0	7.64161E-06	406	847	74008523
1	C68824	5.0	2.64859E-14	681	1716	301755346
1	C60384	5.0	3.45025E-14	398	1483	126337051
1	C61278	9.0	6.81082E-15	414	399	291386685
1	C73250	10.0	6.49E-22	1648	1101	281347334
1	C64620	8.0	4.00E-27	498	350	301772234
1	C68094	7.0	1.78E-36	634	376	301766408
1	C63766	6.0	6.49495E-10	473	1275	2981631
1	C66274	5.0	6.57228E-10	552	1384	73964662

1	C66206	8.0	6.41803E-08	549	88	281354217
1	scaffold127	8.1	8.62557E-06	1664	103	296238245
1	C64986	5.0	2.14E-25	509	1272	148645276
1	C72422	11.0	2.09E-26	1176	381	281339729
1	C54150	6.0	4.42293E-06	308	1887	302838799
1	C64816	8.0	6.78682E-07	504	929	73994669
1	C66146	5.0	1.059E-07	547	929	73994669
1	C56636	10.0	2.10247E-07	339	183	297250762
1	C54452	6.0	9.09873E-15	311	97	293343516
1	C54566	57.0	1.04886E-07	312	1025	74007488
1	C63350	9.0	2.73E-19	462	1046	301756943
1	C66110	7.0	1.54027E-06	545	1275	2072951
1	C71984	8.0	6.70E-31	1062	1344	73999461
1	C70978	11.0	3.08E-43	891	730	74007942
1	C68904	9.0	9.00872E-10	686	280	196010894
1	scaffold22	6.0	3.89847E-10	494	335	301788290
1	C59970	4.0	1.01736E-10	391	127	296315063
1	C65600	7.0	6.76E-43	528	1344	73999461
1	C61192	5.0	8.91587E-07	412	1272	73974662
1	C66190	8.0	5.71E-40	548	183	297250762
1	C69512	6.0	2.13E-23	728	1344	73971897
1	C58894	2.0	3.53E-17	373	1402	74011366
1	C67296	8.0	2.67E-24	595	1275	2981631
1	C67516	10.0	2.36E-23	604	1275	2981631
1	C69810	5.0	1.34E-34	750	1272	148645276
1	C58036	5.0	7.58852E-06	359	128	281354416
1	C59992	6.0	6.37233E-13	391	347	51339393
1	C63374	10.0	1.71E-50	462	606	262188108
1	C70060	9.0	5.69E-17	773	98	159524419
1	scaffold140	6.3	7.87E-29	656	251	262179763
1	C63340	7.0	2.55E-26	462	1079	74006100

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