

Appendix A

Genomic Signature distance for hexanucleotides computed for 922 pairs of main chromosomes and corresponding plasmids

Genome	Plasmid	Genomic Signature distance			
			NC_004369	NC_004319	0,5206215
			NC_004461	NC_005008	0,567525868
			NC_004545	NC_004555	0,645024156
NC_000868	NC_001773	0,746244275	NC_004557	NC_004565	0,253733718
NC_000911	NC_005230	0,253369033	NC_004567	NC_006375	0,900248403
NC_001263	NC_000958	0,234365786	NC_004578	NC_004633	0,2539912
NC_001318	NC_000948	0,285595941	NC_004663	NC_004703	0,449488066
NC_002488	NC_002490	0,314813393	NC_004668	NC_004669	0,246199774
NC_002528	NC_002252	0,591397692	NC_004722	NC_004721	0,411874949
NC_002607	NC_002608	0,439207737	NC_005139	NC_005128	0,252895276
NC_002620	NC_002182	0,477168054	NC_005296	NC_005297	0,603042111
NC_002655	NC_007414	0,296182926	NC_005773	NC_007274	0,277730934
NC_002678	NC_002679	0,235443993	NC_005810	NC_005814	0,350185568
NC_002695	NC_002127	0,715476881	NC_005835	NC_005838	0,144218676
NC_002745	NC_003140	0,349062997	NC_005957	NC_006578	0,229549783
NC_002758	NC_002774	0,344764653	NC_006138	NC_006139	0,235450675
NC_002937	NC_005863	0,169317511	NC_006155	NC_006153	0,243584754
NC_002951	NC_006629	0,580517992	NC_006274	NC_007104	0,557354658
NC_002953	NC_005951	0,375286988	NC_006347	NC_006297	0,497644543
NC_002971	NC_004704	0,265491372	NC_006361	NC_006362	0,238882699
NC_002976	NC_006663	0,281645514	NC_006368	NC_006365	0,151261577
NC_003030	NC_001988	0,118165185	NC_006369	NC_006366	0,190983266
NC_003047	NC_003037	0,168397906	NC_006370	NC_005871	0,23309053
NC_003062	NC_003064	0,209442083	NC_006396	NC_006389	0,469132642
NC_003143	NC_003131	0,23391238	NC_006461	NC_006462	0,119982552
NC_003155	NC_004719	0,192582326	NC_006510	NC_006509	0,453419111
NC_003197	NC_003277	0,333681798	NC_006513	NC_006823	0,4387854
NC_003198	NC_003384	0,289161817	NC_006677	NC_006672	0,212486023
NC_003212	NC_003383	0,238480306	NC_006840	NC_006842	0,250561957
NC_003228	NC_006873	0,560820685	NC_006905	NC_006855	0,336911053
NC_003272	NC_003276	0,11662986	NC_007109	NC_007110	0,300187955
NC_003361	NC_004720	0,49631083	NC_007164	NC_003080	0,505058828
NC_003366	NC_003042	0,238584068	NC_007168	NC_007169	0,815028983
NC_003888	NC_003903	0,218993756	NC_007347	NC_007336	0,258017067
NC_003909	NC_005707	0,18200935	NC_007350	NC_007351	0,238803227
NC_003911	NC_006569	0,091262059	NC_007355	NC_007349	0,42413094
NC_003919	NC_003921	0,36335528	NC_007384	NC_007385	0,338636743
NC_004088	NC_004838	0,294448237	NC_007413	NC_007410	0,107693098
NC_004307	NC_004943	0,716341083	NC_007426	NC_007427	0,348109254
NC_004337	NC_004851	0,336693358	NC_007429	NC_007430	0,495071023
NC_004344	NC_003425	0,417950668	NC_007484	NC_007483	0,232116481
NC_004347	NC_004349	0,192245265	NC_007493	NC_009007	0,164569452

NC_007508	NC_007507	0,314149406	NC_008390	NC_008392	0,099587591
NC_007510	NC_007509	0,12162476	NC_008497	NC_008498	0,467267123
NC_007517	NC_007515	0,527543975	NC_008513	NC_011878	0,543431282
NC_007530	NC_007322	0,20583804	NC_008526	NC_008502	0,337211805
NC_007604	NC_007595	0,22288442	NC_008527	NC_008503	0,390730236
NC_007606	NC_007607	0,366060544	NC_008531	NC_008496	0,281056009
NC_007613	NC_007608	0,316072212	NC_008532	NC_008500	0,614630175
NC_007614	NC_007615	0,376640922	NC_008541	NC_008537	0,15630026
NC_007643	NC_007641	0,320623341	NC_008542	NC_008544	0,088015966
NC_007677	NC_007678	0,478469016	NC_008563	NC_009837	0,256305898
NC_007712	NC_007713	0,269143439	NC_008577	NC_008573	0,211697658
NC_007716	NC_007717	0,538293933	NC_008600	NC_008598	0,199058016
NC_007761	NC_007762	0,241055518	NC_008609	NC_008607	0,4923612
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NC_007802	NC_007801	0,252657585	NC_008698	NC_008696	0,38706911
NC_007899	NC_007900	0,475768145	NC_008699	NC_008697	0,257471621
NC_007908	NC_007901	0,304570975	NC_008705	NC_008703	0,242406418
NC_007929	NC_006529	0,427910527	NC_008711	NC_008712	0,218314756
NC_007946	NC_007941	0,281117587	NC_008740	NC_008738	0,220501451
NC_007948	NC_007949	0,296392126	NC_008751	NC_008741	0,174554224
NC_007951	NC_007953	0,121466801	NC_008781	NC_008757	0,285559505
NC_007964	NC_007959	0,144817705	NC_008782	NC_008765	0,332552914
NC_007969	NC_007968	0,310022025	NC_008786	NC_008771	0,46459194
NC_007973	NC_007971	0,265787509	NC_008787	NC_008770	0,34716554
NC_008011	NC_008012	0,30593261	NC_008800	NC_008791	0,252778792
NC_008025	NC_008010	0,085466543	NC_008825	NC_008826	0,238762658
NC_008044	NC_008043	0,070598095	NC_009049	NC_009040	0,160940339
NC_008048	NC_008036	0,408420042	NC_009052	NC_009035	0,116020371
NC_008060	NC_008062	0,047540256	NC_009085	NC_009083	0,393588441
NC_008086	NC_008087	0,527993165	NC_009089	NC_008226	0,417002128
NC_008146	NC_008147	0,206702926	NC_00909	NC_001732	0,273258587
NC_008149	NC_008118	0,295504889	NC_009135	NC_009136	0,57130149
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NC_008209	NC_008386	0,237586795	NC_009256	NC_009254	0,083769122
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NC_008254	NC_008242	0,146724202	NC_009342	NC_009343	0,27936186
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NC_008277	NC_008273	0,283836737	NC_009428	NC_009429	0,073604942
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NC_011894	NC_011892	0,173908667	NC_013171	NC_013164	0,383640244
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NC_011969	NC_011971	0,208173943	NC_013202	NC_013201	0,127473813
NC_011985	NC_011987	0,222097131	NC_013205	NC_013206	0,403502108
NC_011989	NC_011982	0,242660113	NC_013209	NC_013210	0,317188572
NC_011999	NC_011995	0,512645358	NC_013223	NC_013224	0,56579211
NC_012029	NC_012030	0,590745841	NC_013282	NC_013283	0,143806263
NC_012034	NC_012036	0,486559003	NC_013353	NC_013354	0,300692935
NC_012039	NC_012040	0,269459012	NC_013355	NC_013356	0,300587336
NC_012108	NC_012109	0,388284142	NC_013361	NC_013369	0,315254758
NC_012125	NC_012124	0,34075148	NC_013364	NC_013365	0,2559003
NC_012214	NC_013263	0,258848539	NC_013385	NC_013386	0,261506879
NC_012225	NC_012226	0,327228065	NC_013407	NC_013408	0,856388579
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NC_012472	NC_012473	0,217808979	NC_013416	NC_013438	0,575476885
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NC_012526	NC_012527	0,169679608	NC_013450	NC_013451	0,978109748
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NC_012587	NC_000914	0,276533836	NC_013501	NC_013502	0,35403263
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NC_013508	NC_013509	0,443323659	NC_014256	NC_014257	0,573562874
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NC_013654	NC_013655	0,288923916	NC_014315	NC_014316	0,229211109
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NC_013743	NC_013744	0,245732559	NC_014550	NC_014549	0,244096217
NC_013766	NC_013767	0,218495158	NC_014554	NC_014558	0,325354046
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NC_013887	NC_013888	0,345904748	NC_014640	NC_014641	0,291552725
NC_013889	NC_013930	0,285191921	NC_014650	NC_014651	0,173215881
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NC_013939	NC_013940	0,379118904	NC_014722	NC_014723	0,244702231
NC_013941	NC_013942	0,285044608	NC_014724	NC_015319	0,387652032
NC_013960	NC_013958	0,193091843	NC_014727	NC_014728	0,704468366
NC_013961	NC_013957	0,289758074	NC_014729	NC_014735	0,253984364
NC_013967	NC_013968	0,590216675	NC_014758	NC_014749	0,280104748
NC_013971	NC_013972	0,289145066	NC_014759	NC_014750	0,607559027
NC_014006	NC_014005	0,302181673	NC_014761	NC_014753	0,29225128
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NC_014117	NC_014119	0,138950423	NC_014814	NC_014811	0,248288276
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NC_014145	NC_014144	0,306934138	NC_014837	NC_014838	0,083279542
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NC_014153	NC_014154	0,299673291	NC_014915	NC_014916	0,430372461
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NC_021713	NC_021718	0,269177871	NC_022535	NC_022536	0,199607071
NC_021715	NC_020275	0,216081321	NC_022550	NC_022551	0,578238722
NC_021716	NC_021709	0,213062202	NC_022569	NC_022570	0,333442474
NC_021721	NC_021722	0,249850206	NC_022579	NC_022578	0,628522428
NC_021726	NC_021727	0,317264716	NC_022593	NC_022587	0,582683139
NC_021729	NC_021730	0,462545392	NC_022604	NC_022610	0,288911866
NC_021733	NC_021734	0,232436977	NC_022606	NC_022608	0,467310416
NC_021741	NC_021742	0,273393609	NC_022648	NC_022661	0,983436624
NC_021810	NC_021811	0,299271363	NC_022660	NC_022656	0,290753939
NC_021812	NC_021813	0,302217414	NC_022663	NC_022654	0,169377908
NC_021814	NC_021815	0,294163107	NC_022738	NC_022739	0,303117087
NC_021818	NC_021819	0,291398892	NC_022777	NC_022778	0,27824635

NC_022781	NC_022783	0,480251599	NC_023032	NC_023024	0,136758557
NC_022873	NC_020124	0,413970729	NC_023060	NC_023057	0,485663457
NC_022878	NC_022881	0,76204493	NC_023134	NC_023147	0,545683937
NC_022900	NC_022901	0,359079286	NC_023135	NC_023136	0,099423238
NC_022912	NC_022899	0,360870861	NC_023137	NC_023138	0,117751473
NC_023013	NC_023011	0,445351027	NC_023150	NC_023144	0,22919613
NC_023028	NC_023031	0,247249336			