

IDs pairs of RGAs proteins sequences	dN	dS	omega
AAQ57151/AAQ57147	0.0945	0.1704	0.554577
AAQ57151/AAQ57148	0.0777	0.1399	0.555397
AAQ57151/AAQ57154	0.0375	0.1309	0.286478
AAQ57151/AAQ57158	0.0671	0.0785	0.854777
AAQ57151/AAQ57159	0.0587	0.1445	0.406228
AAQ57151/AAQ57161	0.03	0.0944	0.317797
AAQ57151/AAQ57142	0.0698	0.0991	0.704339
AAQ57151/AAQ57145	0.0534	0.1439	0.371091
AAQ57151/AAQ57163	0.0455	0.122	0.372951
AAQ57151/AAQ57146	0.0327	0.0705	0.46383
AAQ57151/AAQ57131	0.0699	0.1132	0.617491
AAQ57151/AAQ57141	0.0535	0.1588	0.336902
AAQ57151/AAQ57132	0.0456	0.1366	0.333821
AAQ57151/AAQ57157	0.0328	0.0837	0.391876
AAQ57151/AAQ57160	0	0.0123	0
AAQ57151/AAQ57150	0.0698	0.0991	0.704339
AAQ57151/AAQ57155	0.0534	0.1439	0.371091
AAQ57151/AAQ57152	0.0455	0.122	0.372951
AAQ57151/AAQ57137	0.0327	0.0705	0.46383
AAQ57151/AAQ57140	0	0.1618	0
AAQ57151/AAQ57144	0	0.0123	0
AAQ57151/AAQ57134	0.0882	0.158	0.558228
AAQ57151/AAQ57133	0.0663	0.1408	0.470881
AAQ57151/AAQ57149	0.0529	0.1195	0.442678
AAQ57151/AAQ57162	0.0746	0.1029	0.724976
AAQ57151/AAQ57156	0.0803	0.1464	0.548497
AAQ57151/AAQ57143	0.0804	0.1618	0.49691
AAQ57151/AAQ57138	0.0803	0.1464	0.548497
AAQ57151/AAQ57139	0.1083	0.1509	0.717694
AAQ57151/AAQ57153	0.0691	0.1331	0.519159
AAQ57151/AAQ57135	0.0582	0.0894	0.651007
AAQ57147/AAQ57148	0.0802	0.1001	0.801199
AAQ57147/AAQ57154	0.0859	0.1314	0.653729
AAQ57147/AAQ57158	0.0861	0.1465	0.587713
AAQ57147/AAQ57159	0.0859	0.1314	0.653729
AAQ57147/AAQ57161	0.0503	0.1099	0.457689
AAQ57147/AAQ57142	0.4276	1.1730	0.364535
AAQ57147/AAQ57145	0.3304	1.1777	0.280547
AAQ57147/AAQ57163	0.341	1.9502	0.174854
AAQ57147/AAQ57146	0.3759	1.1112	0.338283
AAQ57147/AAQ57131	0.3946	1.2628	0.31248
AAQ57147/AAQ57141	0.3956	1.2368	0.319858
AAQ57147/AAQ57132	0.3946	1.2628	0.31248
AAQ57147/AAQ57157	0.3804	1.1519	0.330237
AAQ57147/AAQ57160	0.3943	1.1113	0.35481
AAQ57147/AAQ57150	0.4255	1.1012	0.386397
AAQ57147/AAQ57155	0.3127	1.3283	0.235414
AAQ57147/AAQ57152	0.3639	1.8630	0.19533

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AAQ57147/AAQ57137	0.3918	1.1164	0.350949
AAQ57147/AAQ57140	0.3669	1.3970	0.262634
AAQ57147/AAQ57144	0.3678	1.5157	0.24266
AAQ57147/AAQ57134	0.3669	1.3970	0.262634
AAQ57147/AAQ57133	0.3812	1.3269	0.287286
AAQ57147/AAQ57149	0.3686	1.3261	0.277958
AAQ57147/AAQ57162	0.4003	0.6993	0.57243
AAQ57147/AAQ57156	0.3737	1.4946	0.250033
AAQ57147/AAQ57143	0.2897	1.8522	0.156409
AAQ57147/AAQ57138	0.3242	1.5424	0.210192
AAQ57147/AAQ57139	0.3422	1.7853	0.191676
AAQ57147/AAQ57153	0.3353	1.7133	0.195704
AAQ57147/AAQ57135	0.3361	1.6559	0.202971
AAQ57148/AAQ57154	0.3353	1.7113	0.195933
AAQ57148/AAQ57158	0.3774	1.7747	0.212656
AAQ57148/AAQ57159	0.3944	1.3755	0.286732
AAQ57148/AAQ57161	0.3512	1.7355	0.202362
AAQ57148/AAQ57142	0.3777	0.775	0.487355
AAQ57148/AAQ57145	0.3562	1.3352	0.266777
AAQ57148/AAQ57163	0.2744	1.9982	0.137324
AAQ57148/AAQ57146	0.308	1.1675	0.263812
AAQ57148/AAQ57131	0.3255	1.7893	0.181915
AAQ57148/AAQ57141	0.3188	1.5486	0.205863
AAQ57148/AAQ57132	0.3196	1.3995	0.228367
AAQ57148/AAQ57157	0.3188	1.4528	0.219438
AAQ57148/AAQ57160	0.3598	1.4432	0.249307
AAQ57148/AAQ57150	0.3764	1.251	0.300879
AAQ57148/AAQ57155	0.3342	1.3904	0.240362
AAQ57148/AAQ57152	0.3602	0.7088	0.508183
AAQ57148/AAQ57137	0.01	0.0244	0.409836
AAQ57148/AAQ57140	0.4111	1.1675	0.35212
AAQ57148/AAQ57144	0.3226	1.7893	0.180294
AAQ57148/AAQ57134	0.359	1.5486	0.231822
AAQ57148/AAQ57133	0.378	1.7113	0.220885
AAQ57148/AAQ57149	0.3704	1.7747	0.208711
AAQ57148/AAQ57162	0.3714	1.8283	0.20314
AAQ57148/AAQ57156	0.3704	1.7113	0.216444
AAQ57148/AAQ57143	0.4188	1.7747	0.235984
AAQ57148/AAQ57138	0.4263	1.5924	0.267709
AAQ57148/AAQ57139	0.3965	1.1245	0.352601
AAQ57148/AAQ57153	0.3977	0.7663	0.518987
AAQ57148/AAQ57135	0.0568	0.0498	1.140562
AAQ57154/AAQ57158	0.0623	0.0505	1.233663
AAQ57154/AAQ57159	0.4069	1.2993	0.313169
AAQ57154/AAQ57161	0.3272	1.282	0.255226
AAQ57154/AAQ57142	0.3657	1.288	0.283929
AAQ57154/AAQ57145	0.3848	1.5678	0.245439
AAQ57154/AAQ57163	0.3751	1.3192	0.284339

IDs pairs of RGAs proteins sequences	dN	dS	omega
AAQ57154/AAQ57146	0.3761	1.2937	0.290717
AAQ57154/AAQ57131	0.3751	1.3194	0.284296
AAQ57154/AAQ57141	0.4126	1.6876	0.244489
AAQ57154/AAQ57132	0.4305	1.3372	0.321941
AAQ57154/AAQ57157	0.3419	1.2161	0.281145
AAQ57154/AAQ57160	0.4059	0.7871	0.515691
AAQ57154/AAQ57150	0.067	0.0917	0.730643
AAQ57154/AAQ57155	0.0561	0.0647	0.867079
AAQ57154/AAQ57152	0.0999	0.0927	1.07767
AAQ57154/AAQ57137	0.4069	1.2993	0.313169
AAQ57154/AAQ57140	0.3272	1.282	0.255226
AAQ57154/AAQ57144	0.3657	1.288	0.283929
AAQ57154/AAQ57134	0.3848	1.5687	0.245299
AAQ57154/AAQ57133	0.3751	1.3194	0.284296
AAQ57154/AAQ57149	0.3761	1.2937	0.290717
AAQ57154/AAQ57162	0.3751	1.3194	0.284296
AAQ57154/AAQ57156	0.4126	1.6876	0.244489
AAQ57154/AAQ57143	0.4305	1.3372	0.321941
AAQ57154/AAQ57138	0.3419	1.2161	0.281145
AAQ57154/AAQ57139	0.4059	0.7871	0.515691
AAQ57154/AAQ57153	0.067	0.0917	0.730643
AAQ57154/AAQ57135	0.0561	0.0647	0.867079
AAQ57158/AAQ57159	0.0999	0.0927	1.07767
AAQ57158/AAQ57161	0	0.0917	0
AAQ57158/AAQ57142	0.4934	1.1243	0.438851
AAQ57158/AAQ57145	0.4584	1.0879	0.421362
AAQ57158/AAQ57163	0.4556	1.1083	0.41108
AAQ57158/AAQ57146	0.4548	1.0231	0.444531
AAQ57158/AAQ57131	0.4647	1.2283	0.378328
AAQ57158/AAQ57141	0.4659	1.1107	0.419465
AAQ57158/AAQ57132	0.4647	1.2283	0.378328
AAQ57158/AAQ57157	0.5035	1.033	0.487415
AAQ57158/AAQ57160	0.5097	1.2155	0.419334
AAQ57158/AAQ57150	0.4473	1.0161	0.440213
AAQ57158/AAQ57155	0.4506	0.3523	1.279024
AAQ57158/AAQ57152	0.3586	0.809	0.443263
AAQ57158/AAQ57137	0.3418	0.7374	0.46352
AAQ57158/AAQ57140	0.3864	0.7533	0.512943
AAQ57158/AAQ57144	0.3828	0.794	0.482116
AAQ57158/AAQ57134	0.3828	0.794	0.482116
AAQ57158/AAQ57133	0.514	1.1195	0.459134
AAQ57158/AAQ57149	0.4782	1.0835	0.441347
AAQ57158/AAQ57162	0.4752	1.1035	0.43063
AAQ57158/AAQ57156	0.4744	1.0185	0.465783
AAQ57158/AAQ57143	0.4846	1.2224	0.396433
AAQ57158/AAQ57138	0.4859	1.1054	0.439569
AAQ57158/AAQ57139	0.4846	1.2224	0.396433
AAQ57158/AAQ57153	0.5244	1.0283	0.509968

IDs pairs of RGAs proteins sequences	dN	dS	omega
AAQ57158/AAQ57135	0.5308	1.2109	0.438352
AAQ57159/AAQ57161	0.4655	1.0212	0.455836
AAQ57159/AAQ57142	0.4773	0.3561	1.340354
AAQ57159/AAQ57145	0.3919	0.8111	0.483171
AAQ57159/AAQ57163	0.3741	0.7391	0.506156
AAQ57159/AAQ57146	0.4212	0.7551	0.557807
AAQ57159/AAQ57131	0.4169	0.7961	0.523678
AAQ57159/AAQ57141	0.4169	0.7961	0.523678
AAQ57159/AAQ57132	0.0198	0	999
AAQ57159/AAQ57157	0.444	1.1126	0.399065
AAQ57159/AAQ57160	0.3498	1.5757	0.221997
AAQ57159/AAQ57150	0.3875	1.2468	0.310796
AAQ57159/AAQ57155	0.3956	1.058	0.373913
AAQ57159/AAQ57152	0.3749	1.4074	0.266378
AAQ57159/AAQ57137	0.3758	1.2536	0.299777
AAQ57159/AAQ57140	0.3749	1.4074	0.266378
AAQ57159/AAQ57144	0.4103	1.4294	0.287044
AAQ57159/AAQ57134	0.4431	1.2797	0.346253
AAQ57159/AAQ57133	0.4117	0.6655	0.618633
AAQ57159/AAQ57149	0.343	0.5407	0.634363
AAQ57159/AAQ57162	0.2993	0.9393	0.318642
AAQ57159/AAQ57156	0.2838	0.8522	0.33302
AAQ57159/AAQ57143	0.3323	0.8701	0.38191
AAQ57159/AAQ57138	0.3449	0.9269	0.372101
AAQ57159/AAQ57139	0.3449	0.9269	0.372101
AAQ57159/AAQ57153	0.2643	0.3211	0.823108
AAQ57159/AAQ57135	0.2784	0.3217	0.865403
AAQ57161/AAQ57142	0.4626	1.2138	0.381117
AAQ57161/AAQ57145	0.3701	1.1226	0.329681
AAQ57161/AAQ57163	0.4089	1.4569	0.280664
AAQ57161/AAQ57146	0.4174	1.1142	0.374619
AAQ57161/AAQ57131	0.3961	1.6726	0.236817
AAQ57161/AAQ57141	0.3971	1.4319	0.277324
AAQ57161/AAQ57132	0.3961	1.6726	0.236817
AAQ57161/AAQ57157	0.4323	1.5179	0.284801
AAQ57161/AAQ57160	0.4661	1.5169	0.307271
AAQ57161/AAQ57150	0.425	0.6372	0.666981
AAQ57161/AAQ57155	0.3547	0.5507	0.644089
AAQ57161/AAQ57152	0.2923	1.1104	0.263238
AAQ57161/AAQ57137	0.295	0.9895	0.29813
AAQ57161/AAQ57140	0.3323	0.9455	0.351454
AAQ57161/AAQ57144	0.357	1.933	0.184687
AAQ57161/AAQ57134	0.357	1.0933	0.326534
AAQ57161/AAQ57133	0.275	0.3777	0.728091
AAQ57161/AAQ57149	0.2893	0.3784	0.764535
AAQ57161/AAQ57162	0.0074	0.0702	0.105413
AAQ57161/AAQ57156	0.4494	1.3826	0.32504
AAQ57161/AAQ57143	0.3587	1.3173	0.272299

IDs pairs of RGAs proteins sequences	dN	dS	omega
AAQ57161/AAQ57138	0.3967	1.7456	0.227257
AAQ57161/AAQ57139	0.4047	1.238	0.326898
AAQ57161/AAQ57153	0.3838	1.2315	0.311652
AAQ57161/AAQ57135	0.3848	1.6957	0.226927
AAQ57142/AAQ57145	0.3838	1.1315	0.339196
AAQ57142/AAQ57163	0.4198	1.8611	0.225566
AAQ57142/AAQ57146	0.4528	1.8949	0.238957
AAQ57142/AAQ57131	0.396	0.6123	0.646742
AAQ57142/AAQ57141	0.3598	0.562	0.640214
AAQ57142/AAQ57132	0.2934	1.0291	0.285103
AAQ57142/AAQ57157	0.2854	1.0144	0.281349
AAQ57142/AAQ57160	0.3182	0.9471	0.335973
AAQ57142/AAQ57150	0.3462	1.1249	0.307761
AAQ57142/AAQ57155	0.3462	1.1249	0.307761
AAQ57142/AAQ57152	0.2724	0.3801	0.716654
AAQ57142/AAQ57137	0.2865	0.3808	0.752363
AAQ57142/AAQ57140	0.0199	0.0782	0.254476
AAQ57142/AAQ57144	0.0199	0.0251	0.792829
AAQ57142/AAQ57134	0.4375	1.1771	0.371676
AAQ57142/AAQ57133	0.3521	1.8697	0.188319
AAQ57142/AAQ57149	0.3898	1.359	0.286829
AAQ57142/AAQ57162	0.3978	1.1285	0.352503
AAQ57142/AAQ57156	0.3771	1.5585	0.241963
AAQ57142/AAQ57143	0.3781	1.3562	0.278794
AAQ57142/AAQ57138	0.3771	1.5585	0.241963
AAQ57142/AAQ57139	0.4126	1.6008	0.257746
AAQ57142/AAQ57153	0.4454	1.4116	0.315528
AAQ57142/AAQ57135	0.389	0.5786	0.672312
AAQ57145/AAQ57163	0.3528	0.502	0.702789
AAQ57145/AAQ57146	0.2944	0.9832	0.29943
AAQ57145/AAQ57131	0.279	0.8897	0.313589
AAQ57145/AAQ57141	0.3271	0.9097	0.359569
AAQ57145/AAQ57132	0.3396	0.9714	0.349599
AAQ57145/AAQ57157	0.3396	0.9714	0.349599
AAQ57145/AAQ57160	0.266	0.3328	0.799279
AAQ57145/AAQ57150	0.28	0.3334	0.839832
AAQ57145/AAQ57155	0.0149	0.0379	0.39314
AAQ57145/AAQ57152	0.0225	0.0573	0.39267
AAQ57145/AAQ57137	0.0049	0.0385	0.127273
AAQ57145/AAQ57140	0.3641	0.9451	0.38525
AAQ57145/AAQ57144	0.2926	1.0143	0.288475
AAQ57145/AAQ57134	0.285	0.9928	0.287067
AAQ57145/AAQ57133	0.3019	1.047	0.288348
AAQ57145/AAQ57149	0.3091	0.9912	0.311844
AAQ57145/AAQ57162	0.3098	0.9791	0.316413
AAQ57145/AAQ57156	0.3091	0.9912	0.311844
AAQ57145/AAQ57143	0.3312	1.0108	0.327661
AAQ57145/AAQ57138	0.3471	0.9487	0.365869

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AAQ57145/AAQ57139	0.2819	1.1877	0.237349
AAQ57145/AAQ57153	0.3614	0.7062	0.511753
AAQ57145/AAQ57135	0.2059	0.9077	0.226837
AAQ57163/AAQ57146	0.2057	0.8415	0.244444
AAQ57163/AAQ57131	0.2647	0.8972	0.295029
AAQ57163/AAQ57141	0.2531	0.8837	0.286409
AAQ57163/AAQ57132	0.2531	0.8837	0.286409
AAQ57163/AAQ57157	0.3776	0.7474	0.505218
AAQ57163/AAQ57160	0.3942	0.7489	0.526372
AAQ57163/AAQ57150	0.3355	0.8314	0.403536
AAQ57163/AAQ57155	0.3435	0.7936	0.432838
AAQ57163/AAQ57152	0.3414	0.7698	0.443492
AAQ57163/AAQ57137	0.3303	0.7705	0.428683
AAQ57163/AAQ57140	0.3774	0.8511	0.443426
AAQ57163/AAQ57144	0.3008	0.9323	0.322643
AAQ57163/AAQ57134	0.293	0.9152	0.320149
AAQ57163/AAQ57133	0.3101	0.9608	0.322752
AAQ57163/AAQ57149	0.3173	0.9139	0.347193
AAQ57163/AAQ57162	0.3181	0.9042	0.351803
AAQ57163/AAQ57156	0.3173	0.9139	0.347193
AAQ57163/AAQ57143	0.3398	0.9296	0.365534
AAQ57163/AAQ57138	0.356	0.8751	0.406811
AAQ57163/AAQ57139	0.2897	1.3114	0.220909
AAQ57163/AAQ57153	0.3704	0.7043	0.525912
AAQ57163/AAQ57135	0.2129	0.97	0.219485
AAQ57146/AAQ57131	0.2128	0.8947	0.237845
AAQ57146/AAQ57141	0.2725	0.9576	0.284566
AAQ57146/AAQ57132	0.2606	0.9442	0.276001
AAQ57146/AAQ57157	0.2606	0.9442	0.276001
AAQ57146/AAQ57160	0.3866	0.7452	0.518787
AAQ57146/AAQ57150	0.4035	0.7466	0.54045
AAQ57146/AAQ57155	0.3482	0.8051	0.432493
AAQ57146/AAQ57152	0.3521	0.791	0.445133
AAQ57146/AAQ57137	0.3499	0.7672	0.456074
AAQ57146/AAQ57140	0.3387	0.768	0.441016
AAQ57146/AAQ57144	0.005	0.012	0.416667
AAQ57146/AAQ57134	0.3395	1.7525	0.193723
AAQ57146/AAQ57133	0.2908	1.1036	0.263501
AAQ57146/AAQ57149	0.2813	1.1139	0.252536
AAQ57146/AAQ57162	0.3097	1.4823	0.208932
AAQ57146/AAQ57156	0.3167	1.374	0.230495
AAQ57146/AAQ57143	0.3175	1.2184	0.260588
AAQ57146/AAQ57138	0.3167	1.374	0.230495
AAQ57146/AAQ57139	0.3377	1.1716	0.288238
AAQ57146/AAQ57153	0.3445	0.9733	0.35395
AAQ57146/AAQ57135	0.3113	1.2937	0.240628
AAQ57131/AAQ57141	0.3479	0.3511	0.990886
AAQ57131/AAQ57132	0.2606	0.7237	0.360094

IDs pairs of RGAs proteins sequences	dN	dS	omega
AAQ57131/AAQ57157	0.2459	0.6606	0.372237
AAQ57131/AAQ57160	0.2996	0.637	0.47033
AAQ57131/AAQ57150	0.3033	0.7589	0.399657
AAQ57131/AAQ57155	0.3033	0.7589	0.399657
AAQ57131/AAQ57152	0.3046	0.5281	0.576785
AAQ57131/AAQ57137	0.3195	0.5292	0.603741
AAQ57131/AAQ57140	0.2988	0.7377	0.405043
AAQ57131/AAQ57144	0.3103	0.7515	0.412908
AAQ57131/AAQ57134	0.2978	0.7291	0.408449
AAQ57131/AAQ57133	0.2915	0.6476	0.450124
AAQ57131/AAQ57149	0.2827	0.8651	0.326783
AAQ57131/AAQ57162	0.2907	0.8078	0.359866
AAQ57131/AAQ57156	0.3525	1.2658	0.27848
AAQ57131/AAQ57143	0.2729	1.319	0.206899
AAQ57131/AAQ57138	0.272	1.6834	0.161578
AAQ57131/AAQ57139	0.2997	1.2504	0.239683
AAQ57131/AAQ57153	0.3142	1.3204	0.237958
AAQ57131/AAQ57135	0.315	1.9833	0.158826
AAQ57141/AAQ57132	0.3142	1.3204	0.237958
AAQ57141/AAQ57157	0.2915	1.7493	0.166638
AAQ57141/AAQ57160	0.3204	1.7828	0.179717
AAQ57141/AAQ57150	0.3122	0.8305	0.375918
AAQ57141/AAQ57155	0.3288	0.771	0.426459
AAQ57141/AAQ57152	0.2796	0.8001	0.349456
AAQ57141/AAQ57137	0.2647	0.7238	0.365709
AAQ57141/AAQ57140	0.3197	0.7245	0.44127
AAQ57141/AAQ57144	0.3143	0.816	0.385172
AAQ57141/AAQ57134	0.3143	0.816	0.385172
AAQ57141/AAQ57133	0.3032	0.8056	0.376365
AAQ57141/AAQ57149	0.3178	0.8089	0.392879
AAQ57141/AAQ57162	0.2568	0.7777	0.330204
AAQ57141/AAQ57156	0.2676	0.6922	0.386593
AAQ57141/AAQ57143	0.2722	0.6615	0.411489
AAQ57141/AAQ57138	0.2662	0.624	0.426603
AAQ57141/AAQ57139	0.2899	0.8484	0.341702
AAQ57141/AAQ57153	0.2979	0.9036	0.329681
AAQ57141/AAQ57135	0.1689	0.5922	0.285208
AAQ57132/AAQ57157	0.3526	1.3342	0.264278
AAQ57132/AAQ57160	0.273	1.2462	0.219066
AAQ57132/AAQ57150	0.2721	1.443	0.188565
AAQ57132/AAQ57155	0.2998	1.453	0.206332
AAQ57132/AAQ57152	0.3143	1.2439	0.252673
AAQ57132/AAQ57137	0.3151	1.2947	0.243377
AAQ57132/AAQ57140	0.3143	1.2439	0.252673
AAQ57132/AAQ57144	0.2916	1.4808	0.196921
AAQ57132/AAQ57134	0.3205	1.4856	0.215738
AAQ57132/AAQ57133	0.3123	0.8884	0.351531
AAQ57132/AAQ57149	0.3289	0.7163	0.459165

IDs pairs of RGAs proteins sequences	dN	dS	omega
AAQ57132/AAQ57162	0.2797	0.7443	0.375789
AAQ57132/AAQ57156	0.2648	0.6752	0.39218
AAQ57132/AAQ57143	0.3198	0.6772	0.472239
AAQ57132/AAQ57138	0.3144	0.7559	0.415928
AAQ57132/AAQ57139	0.3144	0.7559	0.415928
AAQ57132/AAQ57153	0.3033	0.7439	0.407716
AAQ57132/AAQ57135	0.3179	0.7466	0.425797
AAQ57157/AAQ57160	0.2569	0.8306	0.309294
AAQ57157/AAQ57150	0.2677	0.7364	0.363525
AAQ57157/AAQ57155	0.2723	0.7031	0.387285
AAQ57157/AAQ57152	0.2663	0.663	0.401659
AAQ57157/AAQ57137	0.29	0.7925	0.365931
AAQ57157/AAQ57140	0.298	0.8418	0.354003
AAQ57157/AAQ57144	0.169	0.5529	0.305661
AAQ57157/AAQ57134	0	0.0129	0
AAQ57157/AAQ57133	0.3602	1.278	0.281847
AAQ57157/AAQ57149	0.2798	1.3323	0.210013
AAQ57157/AAQ57162	0.2788	1.7024	0.163769
AAQ57157/AAQ57156	0.3068	1.5239	0.201326
AAQ57157/AAQ57143	0.3215	1.3287	0.241966
AAQ57157/AAQ57138	0.3223	1.3856	0.232607
AAQ57157/AAQ57139	0.3215	1.3287	0.241966
AAQ57157/AAQ57153	0.2986	1.6955	0.176113
AAQ57157/AAQ57135	0.3276	1.8018	0.181818
AAQ57160/AAQ57150	0.3193	0.8335	0.383083
AAQ57160/AAQ57155	0.336	0.6765	0.496674
AAQ57160/AAQ57152	0.2866	0.9301	0.308139
AAQ57160/AAQ57137	0.2715	0.8355	0.324955
AAQ57160/AAQ57140	0.3271	0.8336	0.392394
AAQ57160/AAQ57144	0.3216	0.958	0.335699
AAQ57160/AAQ57134	0.3216	0.958	0.335699
AAQ57160/AAQ57133	0.3102	0.6997	0.443333
AAQ57160/AAQ57149	0.325	0.7021	0.462897
AAQ57160/AAQ57162	0.2631	0.6827	0.385382
AAQ57160/AAQ57156	0.274	0.6122	0.447566
AAQ57160/AAQ57143	0.2786	0.5857	0.47567
AAQ57160/AAQ57138	0.2726	0.5528	0.493126
AAQ57160/AAQ57139	0.2972	0.8541	0.347969
AAQ57160/AAQ57153	0.3054	0.9102	0.335531
AAQ57160/AAQ57135	0.1748	0.5952	0.293683
AAQ57150/AAQ57155	0.0048	0.0534	0.089888
AAQ57150/AAQ57152	0.0048	0.0396	0.121212
AAQ57150/AAQ57137	0.3601	1.2139	0.296647
AAQ57150/AAQ57140	0.2797	1.4149	0.197682
AAQ57150/AAQ57144	0.2787	1.2349	0.225686
AAQ57150/AAQ57134	0.3067	1.1206	0.273693
AAQ57150/AAQ57133	0.3214	1.2608	0.254918
AAQ57150/AAQ57149	0.3222	1.313	0.245392

IDs pairs of RGAs proteins sequences	dN	dS	omega
AAQ57150/AAQ57162	0.3214	1.2608	0.254918
AAQ57150/AAQ57156	0.2985	1.2152	0.245639
AAQ57150/AAQ57143	0.3275	1.8855	0.173694
AAQ57150/AAQ57138	0.3192	0.7811	0.408654
AAQ57150/AAQ57139	0.3359	0.7266	0.46229
AAQ57150/AAQ57153	0.2865	1.016	0.281988
AAQ57150/AAQ57135	0.2714	0.9057	0.299658
AAQ57155/AAQ57152	0.327	0.9013	0.362809
AAQ57155/AAQ57137	0.3215	1.0544	0.304913
AAQ57155/AAQ57140	0.3215	1.0544	0.304913
AAQ57155/AAQ57144	0.3101	0.7556	0.410402
AAQ57155/AAQ57134	0.3249	0.7585	0.428345
AAQ57155/AAQ57133	0.263	0.6425	0.409339
AAQ57155/AAQ57149	0.2739	0.5772	0.474532
AAQ57155/AAQ57162	0.2785	0.5523	0.504255
AAQ57155/AAQ57156	0.2725	0.5211	0.522932
AAQ57155/AAQ57143	0.2971	0.9183	0.323533
AAQ57155/AAQ57138	0.3053	0.9823	0.310801
AAQ57155/AAQ57139	0.1747	0.6385	0.27361
AAQ57155/AAQ57153	0.0048	0.0397	0.120907
AAQ57155/AAQ57135	0.0048	0.0533	0.090056
AAQ57152/AAQ57137	0	0.013	0
AAQ57152/AAQ57140	0.3571	1.4481	0.246599
AAQ57152/AAQ57144	0.279	1.3424	0.207837
AAQ57152/AAQ57134	0.2781	1.786	0.155711
AAQ57152/AAQ57133	0.3042	1.7794	0.170957
AAQ57152/AAQ57149	0.306	1.8905	0.161862
AAQ57152/AAQ57162	0.3068	1.2502	0.245401
AAQ57152/AAQ57156	0.306	1.8905	0.161862
AAQ57152/AAQ57143	0.2977	1.8723	0.159002
AAQ57152/AAQ57138	0.3268	1.9307	0.169265
AAQ57152/AAQ57139	0.3185	0.8471	0.375989
AAQ57152/AAQ57153	0.3352	0.6845	0.489701
AAQ57152/AAQ57135	0.2858	0.9461	0.302082
AAQ57137/AAQ57140	0.2708	0.8474	0.319566
AAQ57137/AAQ57144	0.326	0.8447	0.385936
AAQ57137/AAQ57134	0.3205	0.9763	0.32828
AAQ57137/AAQ57133	0.3205	0.9763	0.32828
AAQ57137/AAQ57149	0.3095	0.7093	0.436346
AAQ57137/AAQ57162	0.3242	0.7119	0.455401
AAQ57137/AAQ57156	0.263	0.6903	0.380994
AAQ57137/AAQ57143	0.2739	0.6178	0.443347
AAQ57137/AAQ57138	0.2784	0.5908	0.471225
AAQ57137/AAQ57139	0.2725	0.5574	0.488877
AAQ57137/AAQ57153	0.296	0.8618	0.343467
AAQ57137/AAQ57135	0.3041	0.9188	0.330975
AAQ57140/AAQ57144	0.1746	0.6004	0.290806
AAQ57140/AAQ57134	0.0048	0.0263	0.18251

IDs pairs of RGAs proteins sequences	dN	dS	omega
AAQ57140/AAQ57133	0.0048	0.0397	0.120907
AAQ57140/AAQ57149	0.0097	0.0264	0.367424
AAQ57140/AAQ57162	0.0097	0.0131	0.740458
AAQ57140/AAQ57156	0.3572	1.2334	0.289606
AAQ57140/AAQ57143	0.2791	1.267	0.220284
AAQ57140/AAQ57138	0.2782	1.4987	0.185628
AAQ57140/AAQ57139	0.3043	1.2904	0.235818
AAQ57140/AAQ57153	0.3062	1.2643	0.242189
AAQ57140/AAQ57135	0.3069	1.3168	0.233065
AAQ57144/AAQ57134	0.3062	1.2643	0.242189
AAQ57144/AAQ57133	0.2978	1.5425	0.193063
AAQ57144/AAQ57149	0.3269	1.5536	0.210415
AAQ57144/AAQ57162	0.3186	0.9074	0.351113
AAQ57144/AAQ57156	0.3353	0.6381	0.525466
AAQ57144/AAQ57143	0.2859	0.8704	0.32847
AAQ57144/AAQ57138	0.2709	0.7842	0.345448
AAQ57144/AAQ57139	0.3261	0.7837	0.416103
AAQ57144/AAQ57153	0.3206	0.8925	0.359216
AAQ57144/AAQ57135	0.3206	0.8925	0.359216
AAQ57134/AAQ57133	0.3096	0.658	0.470517
AAQ57134/AAQ57149	0.3243	0.6601	0.491289
AAQ57134/AAQ57162	0.2631	0.7347	0.358105
AAQ57134/AAQ57156	0.274	0.656	0.417683
AAQ57134/AAQ57143	0.2785	0.6271	0.444108
AAQ57134/AAQ57138	0.2726	0.5916	0.460784
AAQ57134/AAQ57139	0.2961	0.8038	0.368375
AAQ57134/AAQ57153	0.3042	0.8545	0.355998
AAQ57134/AAQ57135	0.1746	0.5599	0.311841
AAQ57133/AAQ57149	0.0048	0.0397	0.120907
AAQ57133/AAQ57162	0.0048	0.0262	0.183206
AAQ57133/AAQ57156	0.0097	0.0131	0.740458
AAQ57133/AAQ57143	0.0097	0.0264	0.367424
AAQ57133/AAQ57138	0	0.0131	0
AAQ57133/AAQ57139	0.3572	1.2334	0.289606
AAQ57133/AAQ57153	0.2791	1.267	0.220284
AAQ57133/AAQ57135	0.2782	1.4987	0.185628
AAQ57149/AAQ57162	0.3043	1.2904	0.235818
AAQ57149/AAQ57156	0.3062	1.2643	0.242189
AAQ57149/AAQ57143	0.3069	1.3168	0.233065
AAQ57149/AAQ57138	0.3062	1.2643	0.242189
AAQ57149/AAQ57139	0.2978	1.5425	0.193063
AAQ57149/AAQ57153	0.3269	1.5536	0.210415
AAQ57149/AAQ57135	0.3186	0.9074	0.351113
AAQ57162/AAQ57156	0.3353	0.6381	0.525466
AAQ57162/AAQ57143	0.2859	0.8704	0.32847
AAQ57162/AAQ57138	0.2709	0.7842	0.345448
AAQ57162/AAQ57139	0.3261	0.7837	0.416103
AAQ57162/AAQ57153	0.3206	0.8925	0.359216

IDs pairs of RGAs proteins sequences	dN	dS	omega
AAQ57162/AAQ57135	0.3206	0.8925	0.359216
AAQ57156/AAQ57143	0.3096	0.658	0.470517
AAQ57156/AAQ57138	0.3243	0.6601	0.491289
AAQ57156/AAQ57139	0.2631	0.7347	0.358105
AAQ57156/AAQ57153	0.274	0.656	0.417683
AAQ57156/AAQ57135	0.2785	0.6271	0.444108
AAQ57143/AAQ57138	0.2726	0.5916	0.460784
AAQ57143/AAQ57139	0.2961	0.8038	0.368375
AAQ57143/AAQ57153	0.3042	0.8545	0.355998
AAQ57143/AAQ57135	0.1746	0.5599	0.311841
AAQ57138/AAQ57139	0.0048	0.0397	0.120907
AAQ57138/AAQ57153	0.0048	0.0262	0.183206
AAQ57138/AAQ57135	0.0097	0.0131	0.740458
AAQ57139/AAQ57153	0.0097	0.0264	0.367424
AAQ57139/AAQ57135	0	0.0131	0
AAQ57153/AAQ57135	0	0.5599	0