

Table 1. Dataset of evolutionary, expression, miRNA-based regulation and structural information on human families binned in different K_s -classes.

Class I. 378 families with $K_s > 2.98$

Ensembl ID	Family size	max. K_s	expression correlation	miRNA-target coincidence	packing deficiency
>ENSF00000000529	7	4.7368	0.092	0	58.611
>ENSF00000000100	20	4.3361	0.105	0	57.905
>ENSF00000000139	4	3.5898	0.009	0	57.905
>ENSF000000001722	3	4.5429	0.112	0	57.235
>ENSF000000001184	3	4.017	0.073	0	57.235
>ENSF000000000793	5	3.7906	0.03	0	57.235
>ENSF000000001358	4	4.3253	0.268	0	56.745
>ENSF000000000188	70	4.111	0.241	0	56.604
>ENSF000000000749	4	3.9858	0.358	0	56.444
>ENSF000000000331	9	4.5345	0.141	0	56.377
>ENSF000000001981	2	3.5615	0.117	0	56.346
>ENSF000000001332	2	4.7177	2.42E-001	0	56.162
>ENSF000000003324	2	3.7314	0.392	0	56.162
>ENSF000000000821	4	4.2612	0.125	0	56.112
>ENSF000000001485	4	3.2453	0.005	0	56.112
>ENSF000000000413	6	4.6688	0.195	0	56.107
>ENSF000000000175	26	3.65	0.284	0	56.107
>ENSF000000001790	2	3.6501	0.817	0	55.93
>ENSF000000000724	4	4.2867	0.098	0	55.873
>ENSF000000001368	3	4.0734	0.114	0	55.873
>ENSF000000000520	6	4.3203	0.818	0	55.806
>ENSF000000001265	5	3.611	0.196	0	55.806
>ENSF000000001737	2	3.2137	0.261	0	55.745
>ENSF000000001965	2	4.7617	0.159	0	55.71
>ENSF000000002104	3	4.6023	0.105	0	55.708
>ENSF000000003931	3	3.1921	0.296	0	55.475

>ENSF000000001120	4	4.9449	0.08	0	55.428
>ENSF000000003944	3	4.2156	0.097	0	55.428
>ENSF000000004305	3	3.462	0.017	0	55.428
>ENSF000000001294	3	3.2539	0.027	0	55.373
>ENSF000000000442	9	5.0433	0.235	0	55.021
>ENSF000000000830	3	5.0855	0.033	0	54.783
>ENSF000000000452	7	4.689	0.364	0	54.516
>ENSF000000001863	2	4.7765	0.006	0	54.374
>ENSF000000000756	5	3.0491	0.153	0	54.374
>ENSF000000002320	3	4.2274	0.063	0	54.29
>ENSF000000001608	3	4.1901	0.223	0	54.246
>ENSF000000001893	2	3.9169	0.182	0	54.246
>ENSF000000003344	2	4.8139	0.152	0	53.887
>ENSF000000000494	6	4.7422	0.013	0	53.887
>ENSF000000002006	2	4.7729	0.339	0	53.814
>ENSF000000000134	17	4.0978	0.145	0	53.795
>ENSF000000001046	3	4.6495	0.189	0	53.768
>ENSF000000002031	3	4.538	0.078	0	53.766
>ENSF000000002587	3	4.4621	0.152	0	53.729
>ENSF000000000162	15	5.4078	0.488	0	53.716
>ENSF000000000131	21	3.7909	0.137	0	53.714
>ENSF000000002205	2	4.0374	0.102	0	53.704
>ENSF000000000076	3	5.0891	0.059	0	53.672
>ENSF000000000776	4	4.5335	0.04	0	53.659
>ENSF000000000510	6	4.3086	0.042	0	53.659
>ENSF000000001570	4	3.88	0.614	0	53.62
>ENSF000000000875	3	5.3255	0.08	0	53.592
>ENSF000000000805	6	4.5907	0.017	0	53.426
>ENSF000000000455	8	4.2718	0.084	0	53.426
>ENSF000000001627	3	4.5217	0.134	0	53.341
>ENSF000000000352	10	4.1143	0.03	0	53.25
>ENSF000000000700	5	3.1996	0.114	0	53.25
>ENSF000000001921	3	3.5187	0.223	0	53.192
>ENSF000000000490	6	4.0682	0.549	0	53.115
>ENSF000000000760	6	3.6565	0.349	0	53.115
>ENSF000000003385	2	3.3564	0.062	0	53.086

>ENSF00000000200	12	4.2389	0.163	0	53.041
>ENSF00000000220	10	3.3145	0.501	0	53.041
>ENSF000000002591	2	3.6817	0.213	0	52.995
>ENSF000000001128	3	3.7773	0.032	0	52.989
>ENSF000000000422	6	4.7855	0.2	0	52.97
>ENSF000000001124	3	4.2004	0.243	0	52.97
>ENSF000000003171	2	3.9216	0.178	0	52.97
>ENSF000000001194	2	4.1575	0.18	0	52.901
>ENSF000000000386	9	4.1256	0.014	0	52.835
>ENSF000000000383	5	3.9768	0.129	0	52.835
>ENSF000000000440	10	3.0129	0.671	0	52.834
>ENSF000000000327	8	4.4906	0.531	0	52.77
>ENSF000000001314	3	3.9832	0.099	0	52.716
>ENSF000000000280	8	4.3111	0.17	0	52.59
>ENSF000000001789	3	3.5104	0.038	0	52.574
>ENSF000000002586	3	4.1037	0.399	0	52.481
>ENSF000000000828	4	3.7578	0.076	0	52.434
>ENSF000000004712	2	3.8531	0.242	0	52.379
>ENSF000000001206	4	4.2611	0.197	0	52.284
>ENSF000000001305	3	3.9746	0.186	0	52.239
>ENSF000000001169	4	4.9445	0.108	0	52.181
>ENSF000000001255	10	3.6507	0.069	0	52.174
>ENSF000000000751	3	4.2708	0.138	0	52.174
>ENSF000000001615	4	3.6518	0.234	0	52.113
>ENSF000000002951	4	4.4123	0.401	0	52.074
>ENSF000000002016	3	4.0795	0.252	0	52.074
>ENSF000000000446	7	4.5664	0.078	0	52.072
>ENSF000000000355	16	4.2281	0.176	0	52.036
>ENSF000000001379	2	4.0378	0.282	0	52.036
>ENSF000000001338	6	3.154	0.505	0	52.036
>ENSF000000001639	3	3.82	0.129	0	51.714
>ENSF000000000270	8	4.3457	0.067	0	51.684
>ENSF000000000283	27	3.3768	0.138	0	51.684
>ENSF000000001980	4	3.8627	0.125	0	51.643
>ENSF000000001149	4	4.2361	0.077	0	51.502
>ENSF000000001666	2	4.6651	0.052	0	51.388

>ENSF000000001967	2	5.222	0.046	0	51.339
>ENSF000000000507	5	4.8531	0.174	0	51.308
>ENSF000000001060	3	4.9749	0.111	0	51.237
>ENSF000000001250	4	4.0848	0.076	0	50.896
>ENSF000000002494	3	3.5802	0.05	0	50.896
>ENSF000000001402	2	4.9481	0.074	0	50.502
>ENSF000000000521	7	5.0645	0.093	0	50.297
>ENSF000000001174	3	4.9082	0.061	0	50.078
>ENSF000000001975	4	4.5152	0.619	0	49.982
>ENSF000000001736	2	5.2737	0.095	0	49.946
>ENSF000000002051	3	2.9903	0.407	0	49.945
>ENSF000000003543	2	4.2847	0.166	0	49.826
>ENSF000000000989	5	3.4023	0.309	0	49.826
>ENSF000000000784	4	4.5785	0.168	0	49.783
>ENSF000000001029	4	4.9489	0.395	0	49.739
>ENSF000000002039	3	3.7968	0.457	0	49.739
>ENSF000000001813	3	4.2458	0.456	0	49.646
>ENSF000000000500	6	5.106	0.23	0	49.597
>ENSF000000003952	2	4.6897	0.206	0	49.493
>ENSF000000000755	8	3.5094	0.209	0	49.493
>ENSF000000001257	4	4.5066	0.006	0	49.446
>ENSF000000001263	3	4.1067	0.096	0	49.35
>ENSF000000003417	2	4.436	0.209	0	49.261
>ENSF000000003945	3	4.3088	0.427	0	49.261
>ENSF000000002160	2	5.2229	0.083	0	49.215
>ENSF000000001330	3	5.3148	0.307	0	49.198
>ENSF000000000928	2	5.3664	0.193	0	49.133
>ENSF000000000253	2	4.6252	0.09	0	49.089
>ENSF000000001151	15	4.7589	0.146	0	49.067
>ENSF000000001781	5	4.3836	0.012	0	49.04
>ENSF000000003158	3	3.5873	0.468	0	48.426
>ENSF000000002082	2	4.2345	0.068	0	48.406
>ENSF000000002509	2	4.368	0.042	0	48.229
>ENSF000000000843	2	4.0565	0.065	0	48.229
>ENSF000000003026	2	4.2431	0.319	0	48.135
>ENSF000000001268	6	3.0384	0.441	0	48.031

>ENSF00000001220	4	4.4437	0.126	0	48.007
>ENSF00000002973	2	3.9382	0.015	0	48.007
>ENSF00000001595	3	5.2348	0.028	0	47.903
>ENSF00000000302	10	4.1408	0.12	0	47.903
>ENSF00000000508	6	3.9844	0.598	0	47.811
>ENSF00000001743	3	4.4774	0.138	0	47.752
>ENSF00000000063	17	3.9939	0.006	0	47.752
>ENSF00000002700	2	3.6087	0.127	0	47.625
>ENSF00000000431	6	4.3697	0.021	0	47.609
>ENSF00000004529	2	4.108	0.074	0	47.609
>ENSF00000002423	2	4.1057	0.481	0	47.576
>ENSF00000001648	3	4.4838	0.04	0	47.474
>ENSF00000001412	3	3.3544	0.034	0	47.474
>ENSF00000000503	8	4.2545	0.047	0	47.346
>ENSF00000001519	2	4.8014	0.061	0	47.108
>ENSF00000001279	4	4.1802	0.148	0	47.108
>ENSF00000001083	8	5.1482	0.093	0	46.999
>ENSF00000001179	2	4.1663	0.086	0	46.999
>ENSF00000002460	2	3.8249	0.029	0	46.999
>ENSF00000000642	6	4.2855	0.072	0	46.895
>ENSF00000002647	2	4.1851	0.053	0	46.797
>ENSF00000003432	2	2.9989	0.09	0	46.797
>ENSF00000001830	2	3.6617	0.499	0	46.758
>ENSF00000000661	16	3.9167	0.098	0	46.615
>ENSF00000000723	5	4.7243	0.209	0	46.604
>ENSF00000001933	3	4.3848	0.183	0	46.604
>ENSF00000000070	18	4.1906	0.222	0	46.604
>ENSF00000000980	9	3.4265	0.354	0	46.604
>ENSF00000000548	6	5.0508	0.002	0	46.532
>ENSF00000001604	3	3.9137	0.111	0	46.532
>ENSF00000000894	4	4.245	0.093	0	46.452
>ENSF00000000224	6	6.003	0.008	0.008204959	54.808
>ENSF00000000251	8	5.0727	0.034	0.011466736	53.739
>ENSF00000000243	12	4.0201	0.005	0.014174174	53.691
>ENSF00000001302	3	4.7457	0.241	0.015752893	54.756
>ENSF00000000211	10	4.1735	0.122	0.01682686	51.778

>ENSF00000000288	19	3.7761	0.263	0.017142769	54.539
>ENSF00000000885	4	3.688	0.434	0.017984563	57.739
>ENSF00000000665	4	4.68	0.358	0.020396281	56.654
>ENSF00000000172	7	4.7194	0.054	0.022867562	51.959
>ENSF00000000621	4	5.0213	0.181	0.023168388	54.535
>ENSF00000000129	13	3.4631	0.141	0.023874587	56.673
>ENSF00000000359	7	4.2002	0.086	0.028478719	54.549
>ENSF00000000562	5	4.2927	0.141	0.029578719	55.033
>ENSF00000000417	5	4.6103	0.032	0.02993657	50.949
>ENSF00000000301	14	4.0259	0.139	0.033104339	52.609
>ENSF000000003272	2	3.7415	0.052	0.033762397	56.066
>ENSF000000001211	4	4.0437	0.279	0.034649587	54.616
>ENSF00000000430	9	3.8362	0.301	0.036651446	53.273
>ENSF000000002469	3	4.8159	0.039	0.037454132	50.15
>ENSF00000000421	8	4.524	0.175	0.038599793	51.751
>ENSF00000000779	6	3.9744	0.128	0.038956748	56.177
>ENSF00000000433	8	3.8318	0.034	0.03913657	49.981
>ENSF000000001565	4	4.0373	0.395	0.042863223	53.802
>ENSF00000000260	13	3.766	0.18	0.042988636	53.033
>ENSF00000000403	10	3.5019	0.126	0.04567829	56.481
>ENSF00000000580	6	4.9608	0.03	0.047717149	54.543
>ENSF00000000698	4	4.2031	0.024	0.047717149	54.543
>ENSF000000001033	3	5.2524	0.187	0.048444008	52.837
>ENSF000000001286	3	4.6553	0.244	0.049353306	52.414
>ENSF00000000177	9	4.5198	0.046	0.050500826	47.832
>ENSF00000000429	8	5.2411	0.174	0.054370248	54.16
>ENSF00000000640	6	5.0446	0.109	0.056609298	47.253
>ENSF00000000205	15	4.3138	0.308	0.057713017	52.795
>ENSF000000001640	3	4.4558	0.201	0.058430165	49.498
>ENSF00000000149	18	3.5419	0.199	0.059197727	53.781
>ENSF00000000351	4	3.8791	0.231	0.059954339	51.883
>ENSF00000000618	4	4.6356	0.039	0.061498347	46.396
>ENSF00000000180	11	4.8588	0.011	0.061500207	51.829
>ENSF000000002008	2	4.9004	0.125	0.061751033	56.099
>ENSF00000000923	4	4.9673	0.015	0.063049587	53.648
>ENSF00000000592	6	3.9661	0.386	0.063368595	49.008

>ENSF00000000304	8	4.4874	0.033	0.064965909	46.323
>ENSF00000000896	7	3.7935	0.098	0.065587397	52.315
>ENSF000000001667	3	4.4089	0.034	0.066080785	46.711
>ENSF00000000098	17	4.4821	0.121	0.066564463	48.228
>ENSF00000000816	6	3.049	0.071	0.06927438	45.744
>ENSF00000000765	5	3.9206	0.464	0.069423347	53.777
>ENSF00000000602	8	4.4313	0.079	0.07028905	46.335
>ENSF00000000610	5	4.3342	0.055	0.071019835	44.16
>ENSF00000000305	8	4.6747	0.064	0.072193595	46.225
>ENSF00000000738	5	4.447	0.274	0.074017149	49.219
>ENSF00000000312	10	4.3514	0.039	0.074300207	45.053
>ENSF00000000959	3	4.4152	0.102	0.07447314	50.834
>ENSF00000000111	14	5.3607	0.063	0.076730372	45.423
>ENSF00000000089	9	5.8182	0.085	0.077372727	47.852
>ENSF00000000161	11	5.4446	0.074	0.077595041	48.192
>ENSF00000000509	9	5.1311	0.111	0.078473245	48.038
>ENSF00000000167	7	5.4047	0.053	0.078823347	43.129
>ENSF00000000277	10	4.2053	0.145	0.080663223	45.09
>ENSF00000000187	13	3.7951	0.046	0.082101653	44.116
>ENSF000000001280	5	4.0844	0.317	0.082313843	51.015
>ENSF00000000379	6	5.4501	0.003	0.082920661	45.768
>ENSF00000000614	4	5.1571	0.071	0.083696694	44.148
>ENSF000000002093	2	5.03	0.173	0.084421074	50.686
>ENSF00000000992	6	4.9552	0.109	0.084497934	53.578
>ENSF00000000955	7	3.8907	0.009	0.084520661	49.64
>ENSF00000000133	15	4.3411	0.35	0.085026653	46.657
>ENSF00000000699	6	4.4924	0.044	0.085682851	44.681
>ENSF00000000259	7	5.6501	0.209	0.085870661	47.462
>ENSF00000000254	9	4.8172	1.59E-001	0.087277273	49.678
>ENSF00000000219	7	4.0822	0.041	0.087329545	48.171
>ENSF00000000839	4	4.118	0.353	0.087756198	47.636
>ENSF00000000371	9	4.5536	0.058	0.088753512	44.951
>ENSF00000000353	5	4.2369	0.047	0.09021095	49.501
>ENSF00000000343	7	4.221	0.271	0.09037438	51.068
>ENSF00000000822	3	5.1371	0.152	0.092857645	51.055
>ENSF000000002072	2	4.7187	0.02	0.095208058	47.503

>ENSF00000000171	10	4.8161	0.015	0.095730785	49.857
>ENSF00000000292	9	4.6781	0.251	0.098181198	45.821
>ENSF000000001167	4	4.257	0.031	0.100156612	49.166
>ENSF00000000095	26	4.8626	0.091	0.100505579	41.711
>ENSF000000001308	3	4.5669	0.137	0.100723554	53.574
>ENSF000000000711	4	4.0037	0.058	0.100919215	43.801
>ENSF000000000324	13	3.7647	0.152	0.101051033	40.127
>ENSF000000000691	5	3.9499	0.197	0.101489256	49.52
>ENSF000000000912	4	4.53	0.015	0.103770041	44.199
>ENSF000000000075	24	3.7799	0.072	0.104604339	43.413
>ENSF000000000970	5	4.1575	0.217	0.104997314	46.443
>ENSF000000001087	4	4.5511	0.296	0.105790083	47.256
>ENSF000000000585	5	4.7335	0.207	0.106115083	50.765
>ENSF000000000515	5	4.7955	0.115	0.107581198	49.693
>ENSF000000000384	10	5.087	0.003	0.108976033	41.7
>ENSF000000000309	12	3.8004	0.094	0.109676033	44.12
>ENSF000000000092	14	6.043	0.031	0.110002479	43.788
>ENSF000000000838	4	4.8624	0.151	0.110162603	43.763
>ENSF000000000954	7	4.1405	0.127	0.111366736	43.575
>ENSF000000000929	3	4.0239	0.048	0.111624793	43.16
>ENSF000000001009	3	4.3018	0.013	0.112304339	43.897
>ENSF000000000728	6	3.029	0.123	0.112377479	47.539
>ENSF000000001180	4	3.6595	0.125	0.113411777	45.785
>ENSF000000000478	6	3.8374	0.1	0.113576446	37.422
>ENSF000000000497	7	4.2043	0.07	0.115830992	45.782
>ENSF000000000647	6	4.9099	0.193	0.115893595	46.709
>ENSF000000000574	6	3.7949	0.207	0.116004339	49.221
>ENSF000000000632	4	4.5881	0.093	0.116070248	45.932
>ENSF000000001303	3	4.668	0.002	0.116086364	41.714
>ENSF000000000042	27	4.4837	0.005	0.123066942	45.308
>ENSF000000001463	3	5.1108	0.147	0.123360124	49.103
>ENSF000000000434	7	4.5265	0.039	0.124593595	42.353
>ENSF000000000917	3	4.8961	0.073	0.125028306	38.257
>ENSF000000000345	5	5.1478	0.133	0.125433471	46.25
>ENSF000000000001	458	5.0674	0.063	0.12567125	48.159
>ENSF000000001807	3	4.5663	0.06	0.125671901	42.372

>ENSF00000000143	13	4.4717	0.057	0.127292975	42.962
>ENSF00000000974	4	3.7424	0.226	0.129758884	45.481
>ENSF00000000482	4	5.112	0.069	0.129769628	42.669
>ENSF00000002543	3	4.2052	0.058	0.131145661	41.049
>ENSF00000000397	9	3.9477	0.137	0.132131198	42.675
>ENSF00000000460	7	4.7998	0.118	0.132920868	45.081
>ENSF00000000448	8	4.4339	0.059	0.134815083	42.537
>ENSF00000000186	3	3.9722	0.472	0.134980579	44.01
>ENSF00000001284	5	3.79	0.614	0.135756612	45.294
>ENSF00000000459	6	4.8301	0.154	0.135964669	40.765
>ENSF00000000391	6	4.6627	0.325	0.137746074	44.515
>ENSF00000002917	2	4.0314	0.605	0.137872727	45.432
>ENSF00000002372	3	4.8088	0.192	0.138791529	43.415
>ENSF00000001240	6	4.4027	0.033	0.138827686	37.414
>ENSF00000000410	7	4.0387	0.277	0.138977479	49.475
>ENSF00000000742	5	4.4385	0.018	0.141001446	52.063
>ENSF00000000240	5	4.5261	0.014	0.141027273	37.82
>ENSF00000000425	3	4.1611	0.203	0.141918182	44.332
>ENSF00000001797	2	4.692	0.29	0.143938843	45.328
>ENSF00000001076	3	3.6473	0.391	0.144866736	46.963
>ENSF00000000137	10	5.618	0.054	0.146230992	40.942
>ENSF00000000284	10	4.2759	0.099	0.146538636	41.175
>ENSF00000000753	6	3.8446	0.061	0.15082562	46.22
>ENSF00000000381	8	4.68	0.085	0.15110186	44.397
>ENSF00000000571	7	4.2944	0.187	0.152134504	46.203
>ENSF00000000791	4	4.0087	0.071	0.152690496	44.43
>ENSF00000002043	2	4.2179	0.431	0.152720661	44.8
>ENSF00000000059	17	4.7246	0.05	0.152827686	39.35
>ENSF00000000349	11	4.2137	0.08	0.153223554	46.314
>ENSF00000000687	5	4.7812	0.082	0.156903719	36.278
>ENSF00000000673	4	4.4625	0.187	0.16008905	41.495
>ENSF00000003182	2	4.6688	0.005	0.161293388	44.492
>ENSF00000000522	4	5.1159	0.29	0.163032851	43.471
>ENSF00000001547	3	3.974	0.384	0.163348347	42.766
>ENSF00000000128	21	4.0177	0.118	0.163659504	36.16
>ENSF00000000613	4	4.744	0.082	0.164149174	42.922

>ENSF00000000462	6	4.3657	0.024	0.168128719	42.207
>ENSF000000001062	3	4.157	0.078	0.170071694	39.187
>ENSF000000001705	2	4.9057	0.196	0.17018595	43.572
>ENSF000000000227	9	5.6316	0.116	0.171202066	40.322
>ENSF000000001334	6	4.4732	0.051	0.172081612	40.091
>ENSF000000000849	6	3.6833	0.005	0.172807025	45.13
>ENSF000000001027	4	4.3615	0.296	0.173207231	43.475
>ENSF000000000657	6	4.4381	0.135	0.174894008	37.591
>ENSF000000000702	5	4.0259	0.033	0.175604959	40.384
>ENSF000000000798	6	4.8519	0.092	0.178218802	35.011
>ENSF000000000393	7	3.6997	0.151	0.179573554	42.2
>ENSF000000001426	4	3.7137	0.026	0.183940909	31.682
>ENSF000000000564	5	4.4951	0.052	0.184436777	38.162
>ENSF000000000418	6	5.0559	0.029	0.186539669	34.836
>ENSF000000003184	2	4.4127	0.442	0.18822376	42.723
>ENSF000000002502	2	4.3679	0.104	0.189563636	35.488
>ENSF000000001443	3	5.1508	0.411	0.189708264	40.524
>ENSF000000000225	8	5.2792	0.043	0.18995062	36.177
>ENSF000000000782	3	4.3034	0.036	0.190985537	38.17
>ENSF000000000439	6	4.7002	0.062	0.192047727	39.503
>ENSF000000001745	3	4.8874	0.27	0.192264463	46.776
>ENSF000000000720	3	6.0867	0.172	0.193228926	45.876
>ENSF000000001422	2	4.6387	0.086	0.194849174	45.342
>ENSF000000001317	3	4.7193	0.265	0.19597562	41.138
>ENSF000000002236	2	4.1757	0.271	0.199922934	45.955
>ENSF000000002211	2	4.3892	0.027	0.203386364	34.454
>ENSF000000002030	3	4.5383	0.032	0.203391736	44.664
>ENSF000000001001	2	3.1208	0.201	0.204847727	41.439
>ENSF000000001947	3	4.5458	0.355	0.206692562	44.336
>ENSF000000000469	6	4.2126	0.369	0.207894326	47.726
>ENSF000000001542	3	4.9462	0.088	0.20806405	33.63
>ENSF000000001394	3	4.4438	0.185	0.215967149	40.265
>ENSF000000000676	4	5.1652	0.052	0.220155165	32.679
>ENSF000000000603	4	4.5037	0.147	0.221037603	36.382
>ENSF000000003644	2	3.0616	0.079	0.223290702	39.871
>ENSF000000003419	3	3.7012	0.138	0.226577066	46.009

>ENSF00000000591	4	5.1576	0.356	0.232547107	40.112
>ENSF000000003491	2	3.7709	0.2	0.233898554	39.901
>ENSF000000001717	2	4.7463	0.415	0.240402273	42.539
>ENSF000000000593	4	4.1595	0.464	0.244469421	41.904
>ENSF000000000905	4	4.6481	0.046	0.247425413	28.515
>ENSF000000000750	4	4.555	0.032	0.249786777	31.144
>ENSF000000000662	6	4.1415	0.148	0.252284504	33.377
>ENSF000000000678	3	4.398	0.077	0.259919421	29.562
>ENSF000000001387	4	4.6489	0.132	0.265183678	33.705
>ENSF000000000619	4	4.3525	0.093	0.26533657	32.557
>ENSF000000002897	2	4.084	0.15	0.266360331	42.608
>ENSF000000001385	2	3.5663	0.132	0.267652273	31.165
>ENSF000000003028	3	4.3521	0.178	0.269301446	38.027
>ENSF000000002993	2	4.5579	0.058	0.271685331	45.149
>ENSF000000001270	2	4.8337	0.155	0.275572727	26.556
>ENSF000000001289	2	3.2296	0.234	0.289453099	37.129
>ENSF000000002412	2	3.5859	0.504	0.291411364	34.575
>ENSF000000000546	7	4.4044	0.314	0.29621157	37.76
>ENSF000000001974	3	5.605	0.116	0.301903926	31.719
>ENSF000000001090	4	3.8111	0.092	0.30237686	38.952
>ENSF000000002334	3	4.0352	0.117	0.305980165	26.024
>ENSF000000001936	2	5.4117	0.076	0.309117355	26.752
>ENSF000000000747	3	4.4318	0.239	0.326588636	39.481
>ENSF000000001530	3	4.1787	0.1	0.326981198	36.141
>ENSF000000001820	2	3.007	0.048	0.337169628	34.925
>ENSF000000001225	3	4.5539	0.042	0.436954752	35.533
>ENSF000000004001	2	3.5857	0.042	0.467541529	21.877
>ENSF000000001160	3	3.8174	0.393	0.746814463	19.7721

Class II. 68 families with $2.98 > K_s > 1.48$

Ensembl ID	family size	max. K_s	expression correlation	miRNA-target coincidence	packing deficiency
>ENSF00000001825	2	2.9144	0.041	0	58.601
>ENSF00000001266	2	2.6079	0.155	0	57.999
>ENSF00000000708	2	1.7241	0.157	0	58.999
>ENSF00000003280	2	2.9426	0.201	0	57.981
>ENSF00000001173	3	2.6772	0.23	0	56.613
>ENSF00000001409	3	2.0711	0.473	0	56.132
>ENSF00000004229	2	2.0857	0.062	0	55.729
>ENSF00000000656	5	2.736	0.471	0	55.62
>ENSF00000001587	2	2.6153	0.452	0	55.192
>ENSF00000000881	2	2.4164	0.12	0	54.574
>ENSF00000000675	5	2.4562	0.009	0	54.434
>ENSF00000001679	2	2.3438	0.48	0	54.33
>ENSF00000001375	4	2.2318	0.217	0	54.074
>ENSF00000001081	2	2.864	0.392	0	54.036
>ENSF00000000178	7	1.9737	0.146	0	53.456
>ENSF00000000572	2	2.1986	0.045	0	53.121
>ENSF00000003334	2	1.7844	0.035	0	52.671
>ENSF00000002313	2	1.8049	0.018	0	52.216
>ENSF00000000436	5	2.8531	0.29	0	51.945
>ENSF00000000074	21	2.7213	0.061	0	51.689
>ENSF00000003192	3	2.3561	0.4	0	51.646
>ENSF00000001401	3	2.8501	0.041	0	51.446
>ENSF00000000271	16	2.2647	0.292	0	51.438
>ENSF00000001153	4	2.6993	0.155	0	51.215
>ENSF00000001694	3	2.0918	0.258	0	51.198
>ENSF00000003861	2	1.6126	0.243	0	50.846
>ENSF00000001802	2	1.6984	0.537	0	50.768
>ENSF00000000847	4	2.8478	0.376	0	50.687
>ENSF00000001880	2	1.9662	0.219	0	50.687
>ENSF00000003481	2	1.8106	0.446	0	50.687
>ENSF00000003653	2	2.2285	0.183	0	50.332
>ENSF00000001645	3	2.2403	0.206	0	50.135

>ENSF00000000637	8	1.9319	0.041	0	50.062
>ENSF000000002038	2	1.8469	0.109	0	52.797
>ENSF000000002767	2	2.2562	0.07	0	52.795
>ENSF000000001162	5	2.0596	0.097	0	53.704
>ENSF000000001747	2	1.7805	0.019	0	52.532
>ENSF000000000570	6	2.1163	0.013	0	52.377
>ENSF000000000671	3	2.2928	0.178	0	52.279
>ENSF000000000389	5	2.4549	0.22	0	53.107
>ENSF000000002053	2	1.8579	0.411	0	58.107
>ENSF000000001405	2	2.2754	0.042	0	58.055
>ENSF000000002395	4	2.5819	0.365	0	57.152
>ENSF000000000402	5	2.2446	0.561	0.056	57.012
>ENSF000000001931	5	2.3206	0.035	0.091	45.743
>ENSF000000003072	2	2.0413	0.093	0	54.973
>ENSF000000000492	6	1.9765	0.195	0.141	44.787
>ENSF000000002120	2	2.6622	0.02	0	54.427
>ENSF000000004883	4	2.7168	0.14	0	53.174
>ENSF000000002772	4	1.7219	0.132	0.094	51.132
>ENSF000000001313	3	2.5443	0.099	0.064	50.351
>ENSF000000001227	3	2.1405	0.285	0.17	33.99
>ENSF000000001199	2	2.9308	0.411	0.098	38.351
>ENSF000000001760	2	1.8274	0.123	0.088	37.322
>ENSF000000001365	3	1.5327	0.112	0.162	37.295
>ENSF000000000850	3	1.6986	0.193	0.335	22.644
>ENSF000000001242	3	1.8311	0.58	0.204	36.633
>ENSF000000002009	3	2.1064	0.339	0.267	31.05
>ENSF000000003693	2	2.8605	0.132	0.256	34.582
>ENSF000000000931	3	1.9106	0.07	0.35	24.055
>ENSF000000001181	3	2.5267	0.093	0.279	28.222
>ENSF000000000463	4	1.9925	0.134	0.152	32.358
>ENSF000000004286	2	1.869	0.564	0.385	29.439
>ENSF000000001127	2	2.7223	0.688	0.367	29.419
>ENSF000000000265	14	2.0125	0.699	0.213	28.91
>ENSF000000001157	4	2.3618	0.064	0.169	27.24
>ENSF000000002286	2	2.4737	0.046	0.41	17.284
>ENSF000000000715	9	2.4495	0.237	0.707	24.718

Class III. 6 families with $1.48 > K_s > 1.11$

Ensembl ID	family size	max. K_s	expression correlation	miRNA-target coincidence	packing deficiency
>ENSF000000001699	2	1.4313	0.223	0.408	21.703
>ENSF000000001755	4	1.4269	5.00E-001	0.136	31.305
>ENSF000000001091	4	1.4047	0.112	0.333	21.279
>ENSF000000000239	5	1.3547	0.442	0.298	34.019
>ENSF000000001198	3	1.3243	0.335	0	55.438
>ENSF000000000360	6	1.3127	0.18	0.343	27.938

Class IV. 5 families with $1.11 > K_s$

Ensembl ID	family size	max. K_s	expression correlation	miRNA-target coincidence	packing deficiency
>ENSF000000000399	13	1.102	0.138	0	43.174
>ENSF000000002309	2	1.0081	0.551	0	49.846
>ENSF000000000530	19	0.615	0.23	0	49.235
>ENSF000000002885	2	0.4883	0.012	0	47.305
>ENSF000000000786	6	0.28	0.107	0	43.32