

## Supporting Information

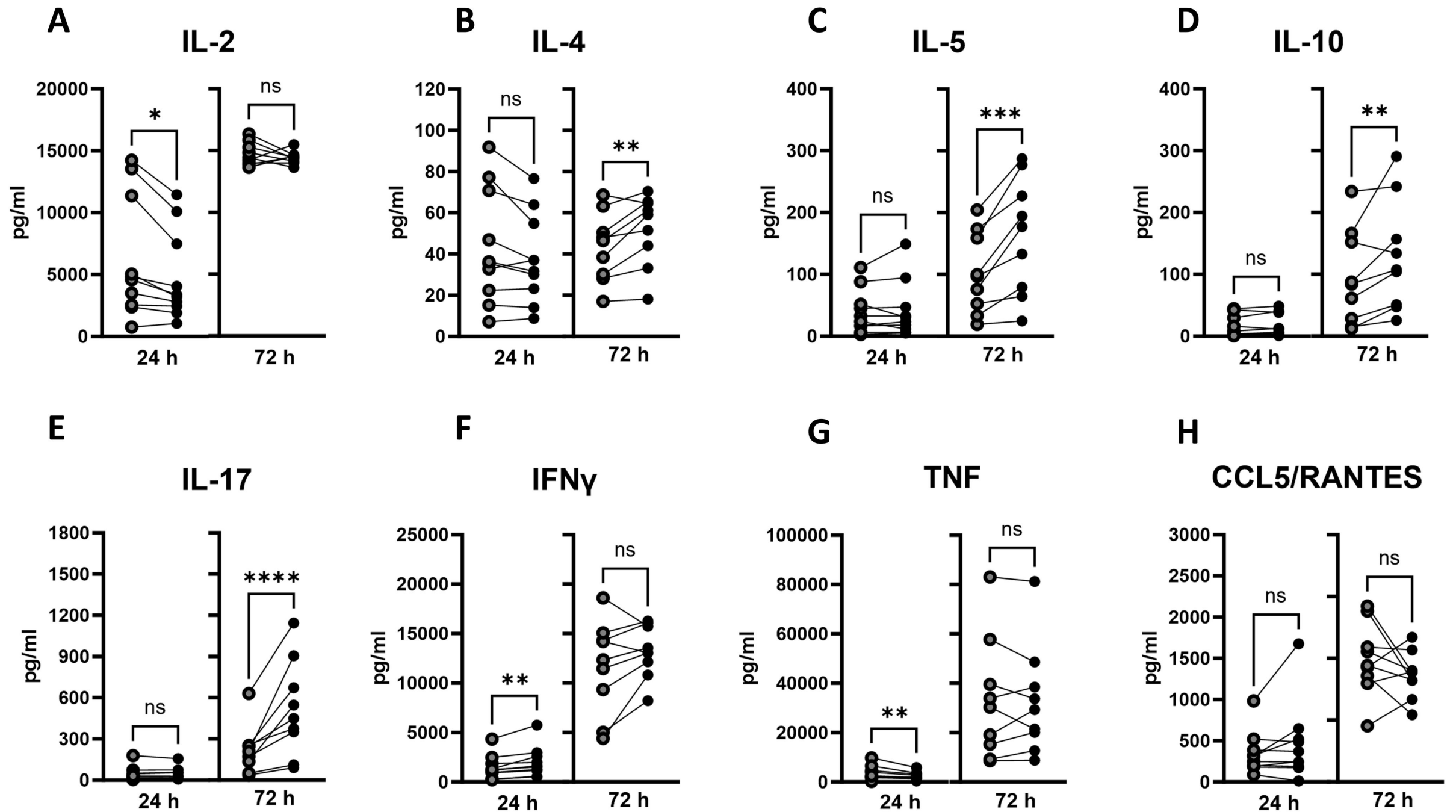
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Mitochondrial Transplantation Promotes Protective Effector and Memory CD4<sup>+</sup> T Cell Response During *Mycobacterium Tuberculosis* Infection and Diminishes Exhaustion and Senescence in Elderly CD4<sup>+</sup> T cells

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○ Elderly CD4<sup>+</sup> T Cells (E-CD4<sup>+</sup> T Cells)

● Elderly CD4<sup>+</sup> T Cells + Mito-Transfer (EM-CD4<sup>+</sup> T Cells)



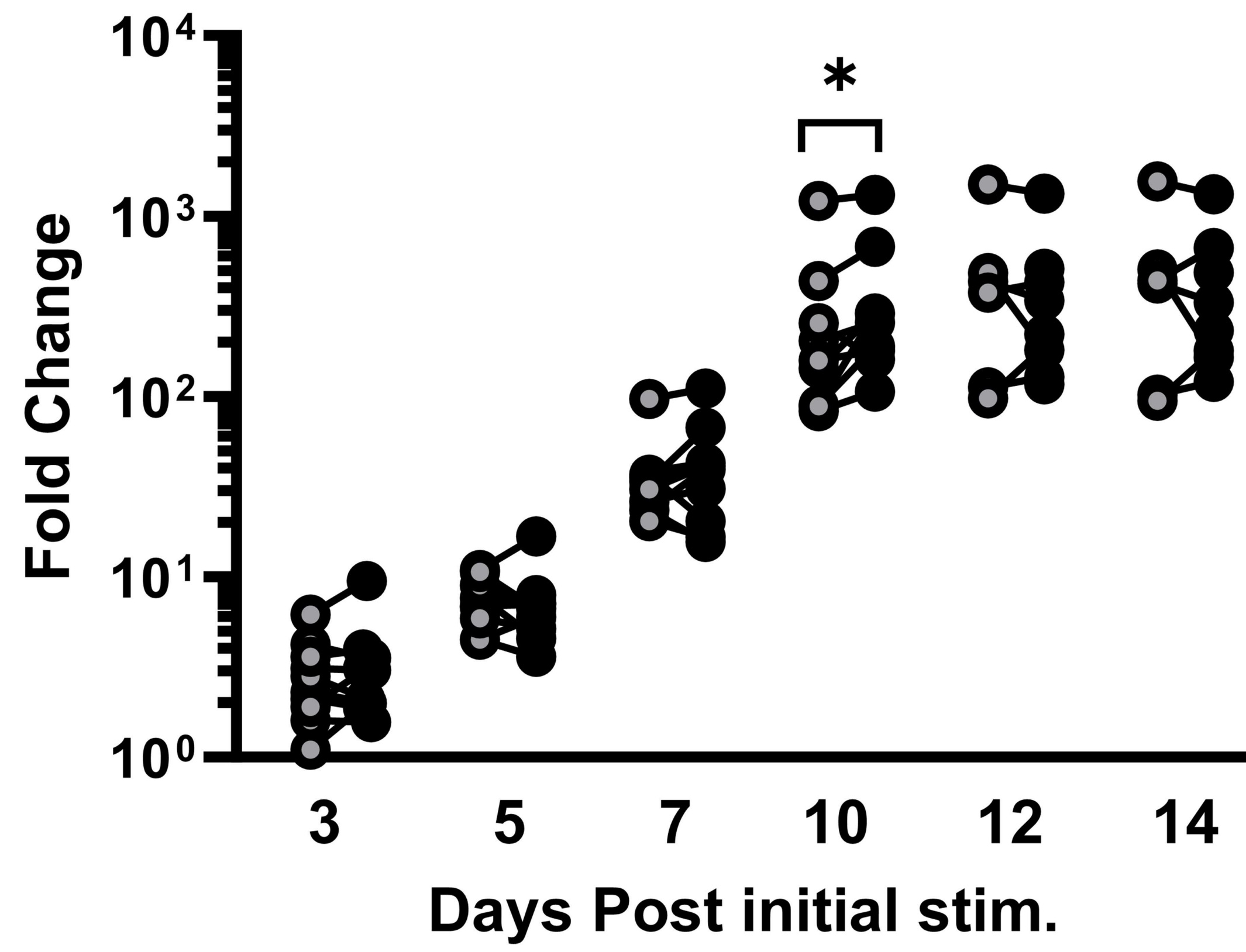
**Supp. Fig. 1. Mito-transfer alters cytokine production of CD4+ T cells in aged humans.** CD4+ T cells from aged humans with or without mito-transfer were stimulated with PMA/Ionomycin. After 24h and 72h stimulation with PMA/Ionomycin, the supernatants were examined by Luminex array for cytokines produced. 9-10 biological replicates per group with  $p \leq 0.05 = *$ ,  $p \leq 0.01 = **$ , or  $p \leq 0.001 = ***$  using paired Student's *t*-test.

○ Elderly CD4<sup>+</sup> T Cells (E-CD4<sup>+</sup> T Cells)

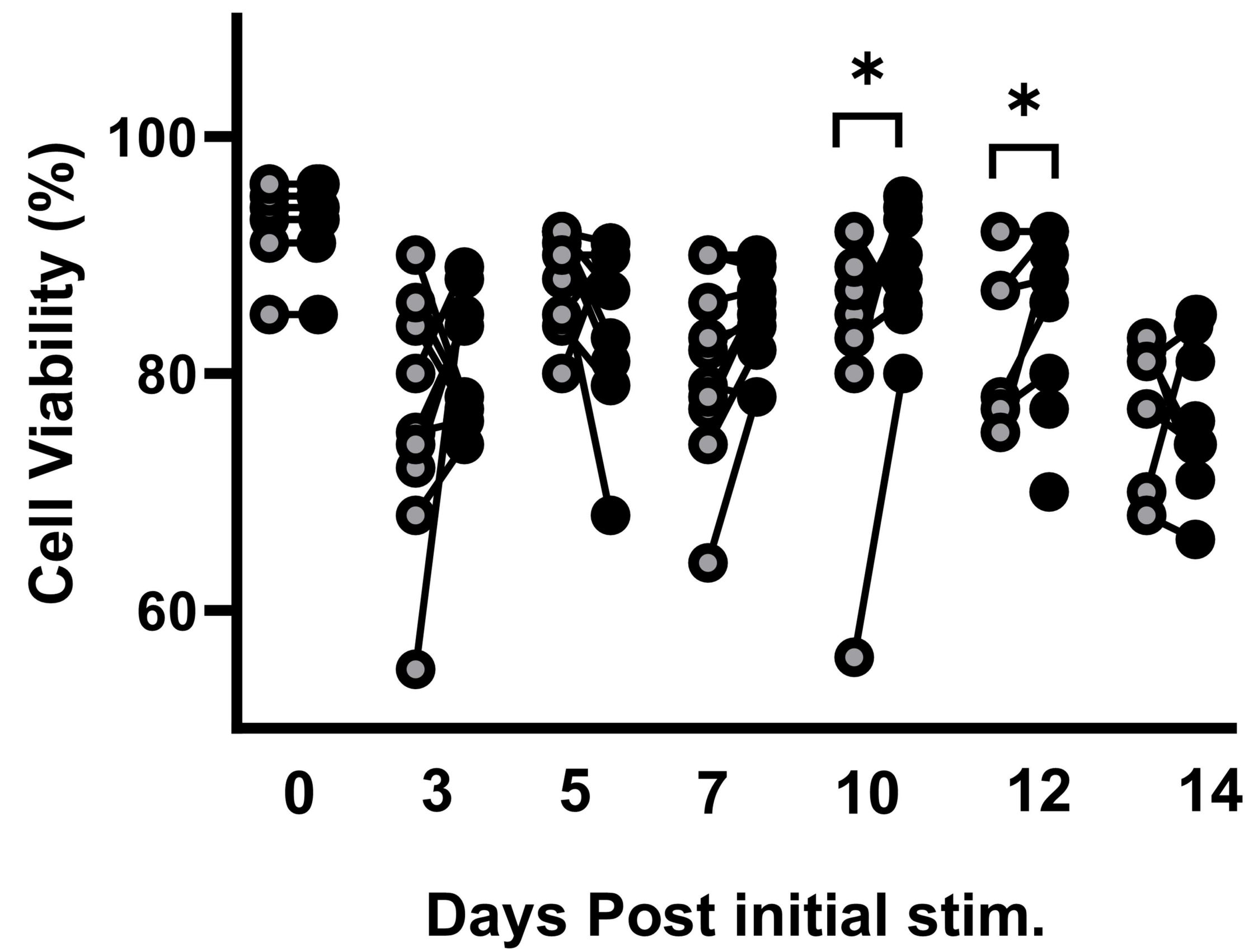
● Elderly CD4<sup>+</sup> T Cells + Mito-Transfer (EM-CD4<sup>+</sup> T Cells)

*Single Stim.*

**A**

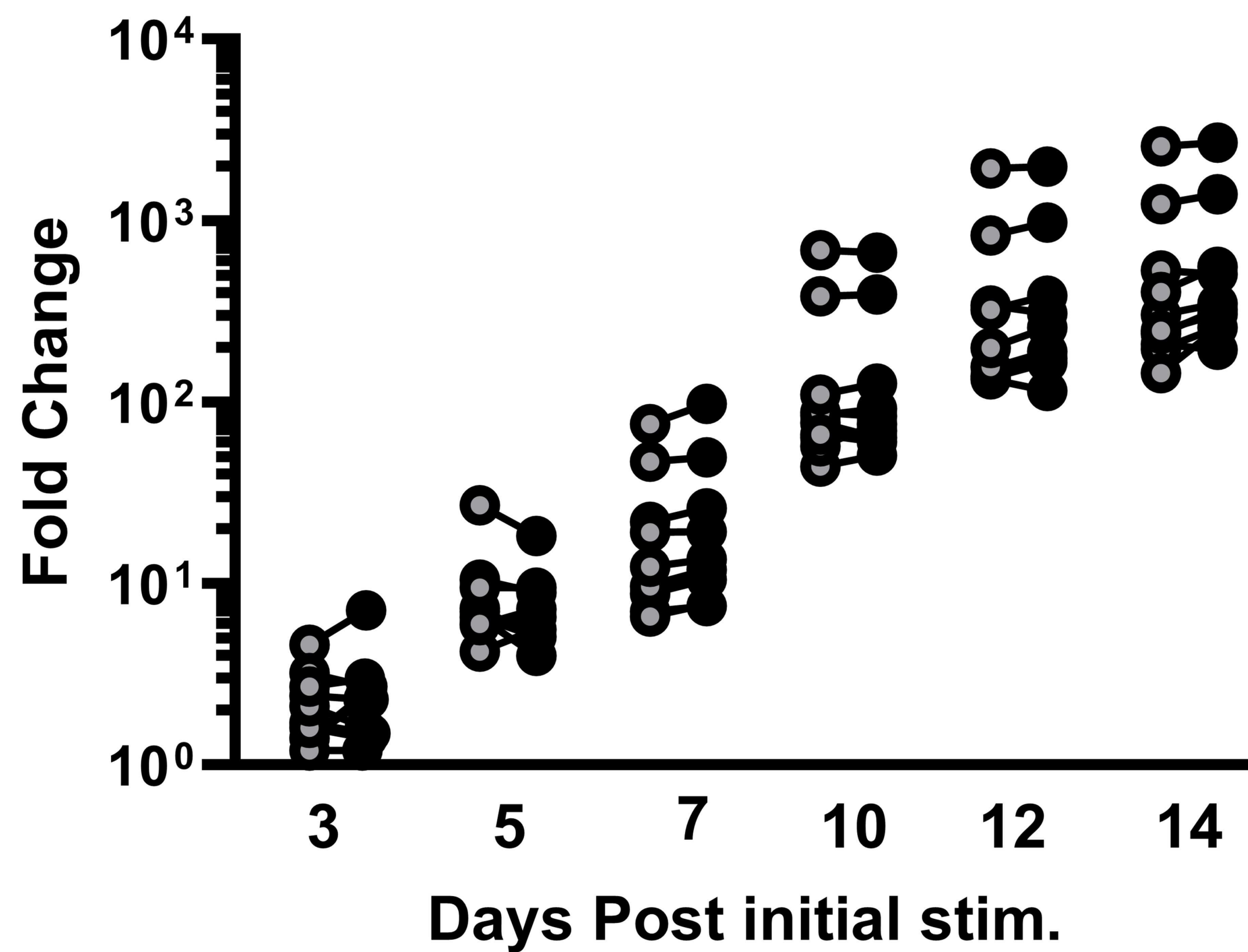


**B**

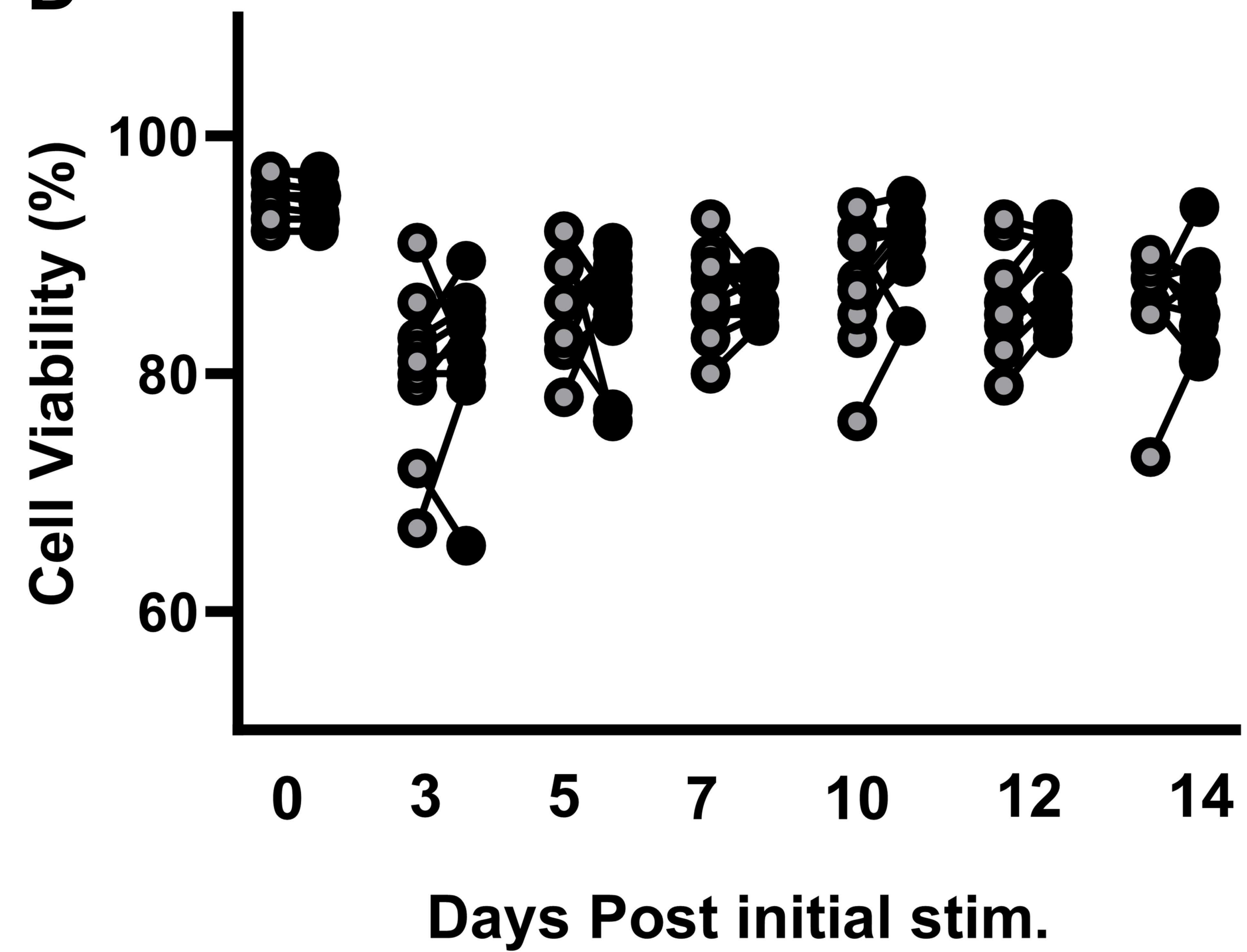


*Cont. Stim.*

**C**



**D**

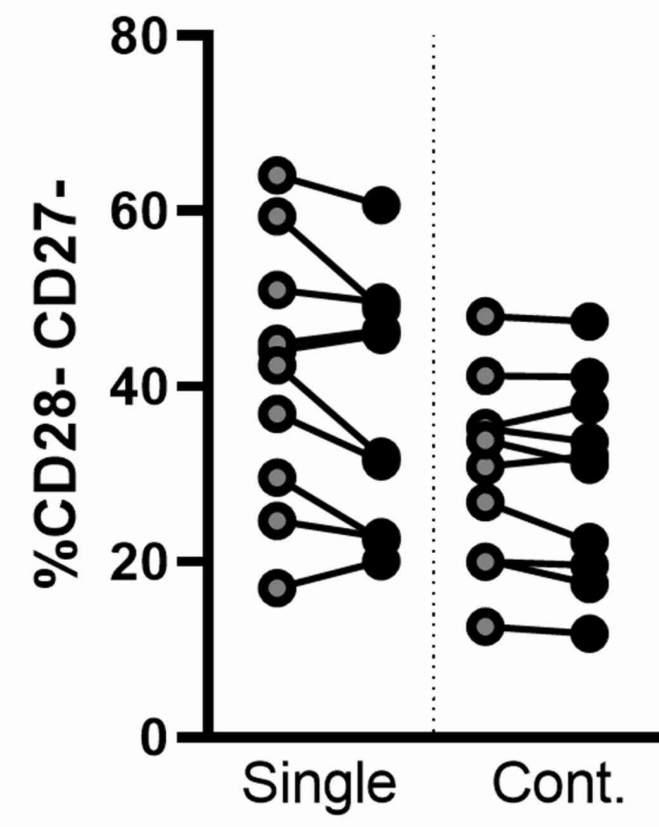


**Supp. Fig 2. Impact of mito-transfer on elderly T cell proliferation and viability.** Elderly CD4 T cells with or without mito-transfer were activated via surface cross-linking (CD3/CD28). CD4 T cells either received a single (single) or continuous (cont.) stimulation. **A)** Fold change and **B)** viability of CD4+ T cells with or without mito-transfer after single stimulation. **C)** Fold change and **D)** viability of CD4+ T cells with or without mito-transfer with continuous stimulation. 10 biological replicates per group, with  $p \leq 0.05 = *$ ,  $p \leq 0.01 = **$ , using paired Student's *t*-test.

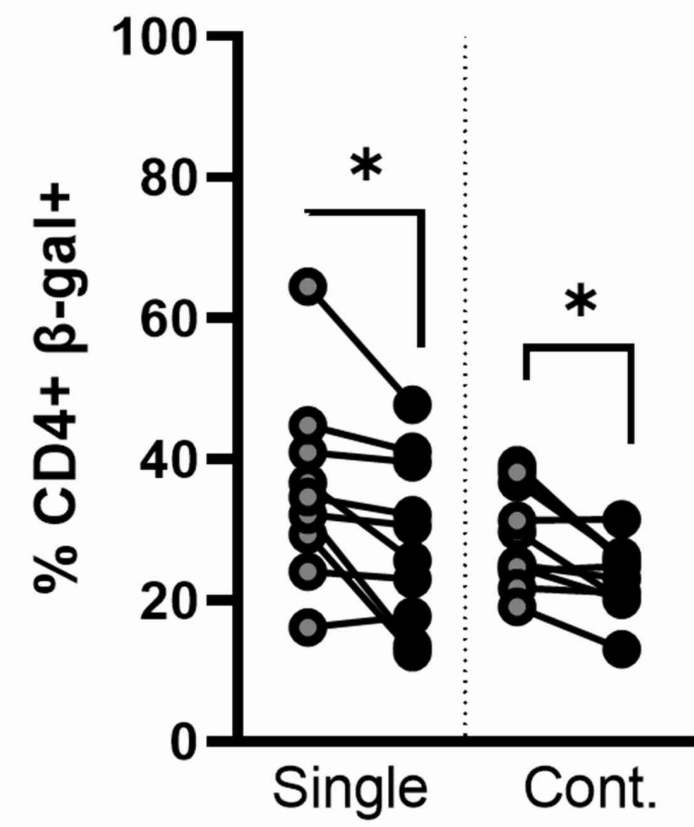
○ Elderly CD4<sup>+</sup> T Cells (E-CD4<sup>+</sup> T Cells) ● Elderly CD4<sup>+</sup> T Cells + Mito-Transfer (EM-CD4<sup>+</sup> T Cells)

### Day 7 - Single & Continuous Stimulation

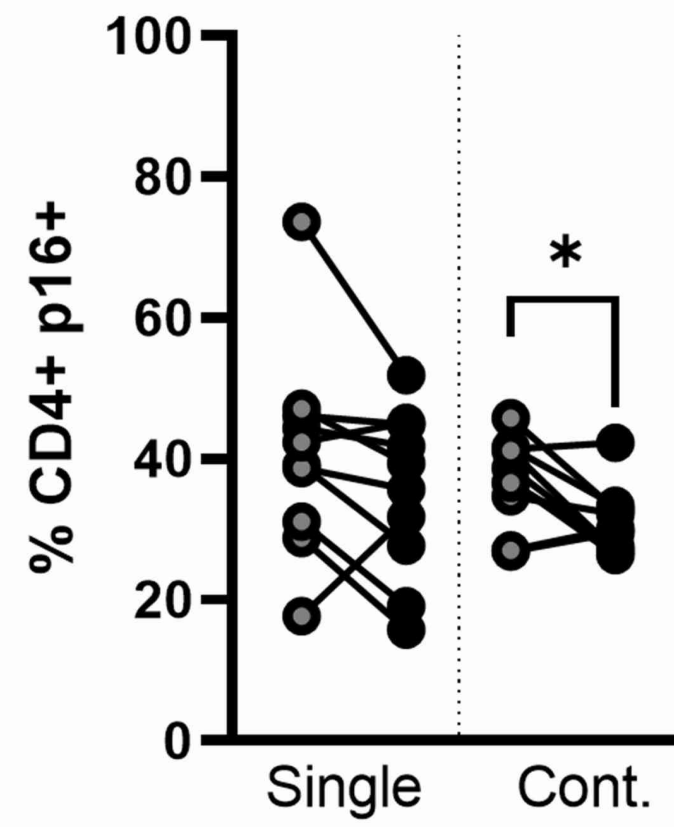
**A**



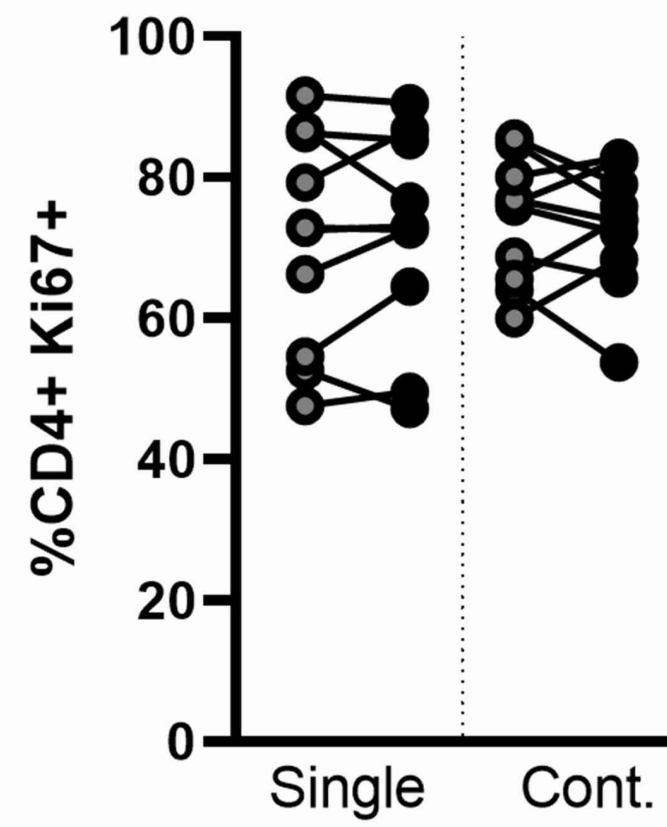
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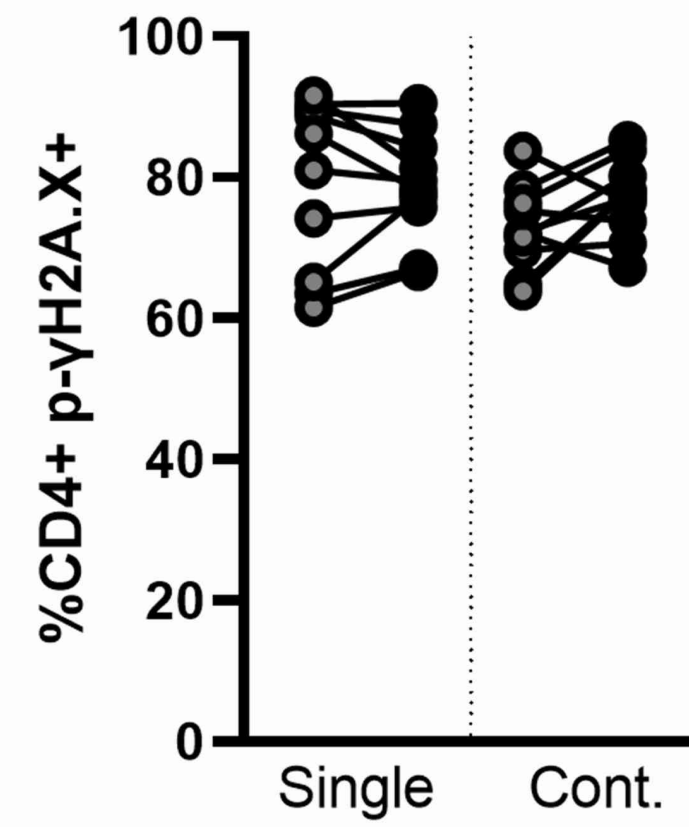
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**D**

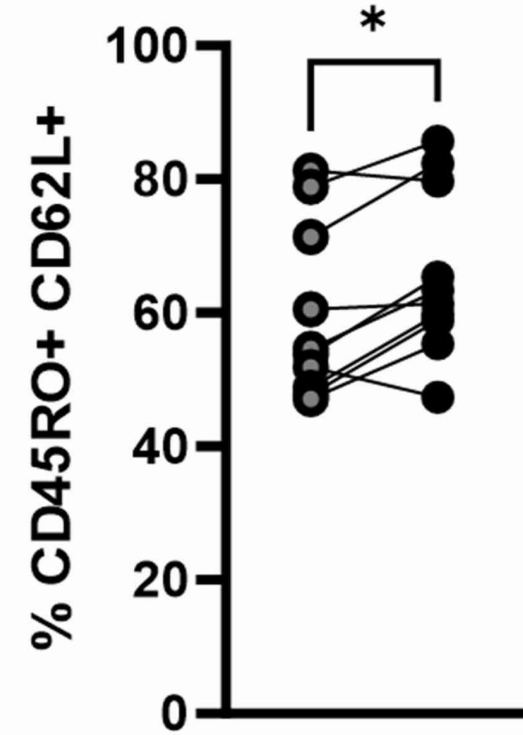


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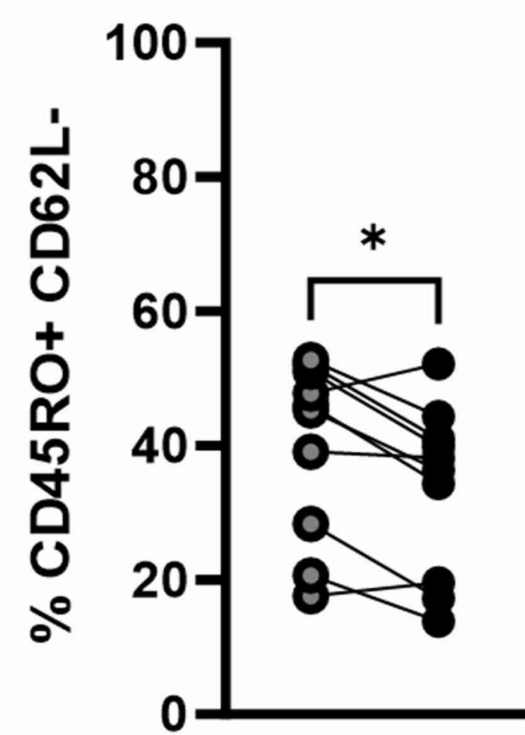


### Day 14 - Continuous Stimulation

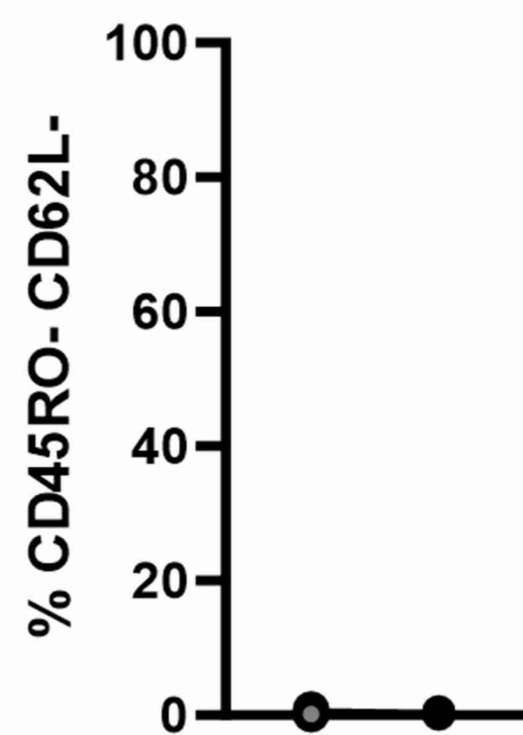
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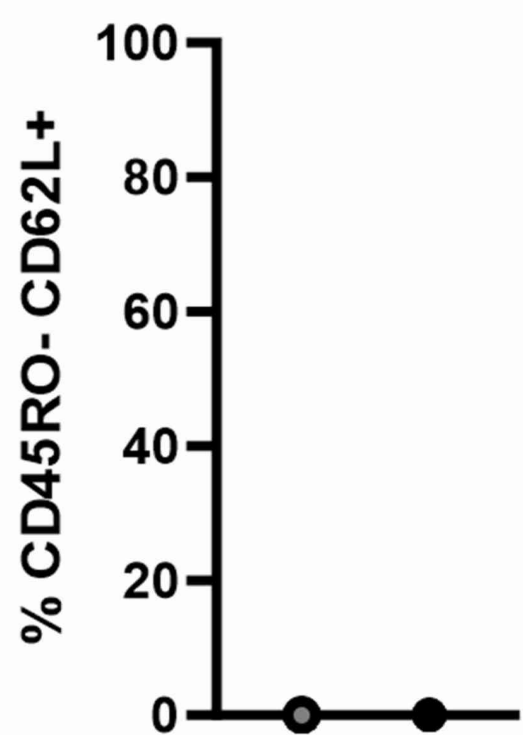
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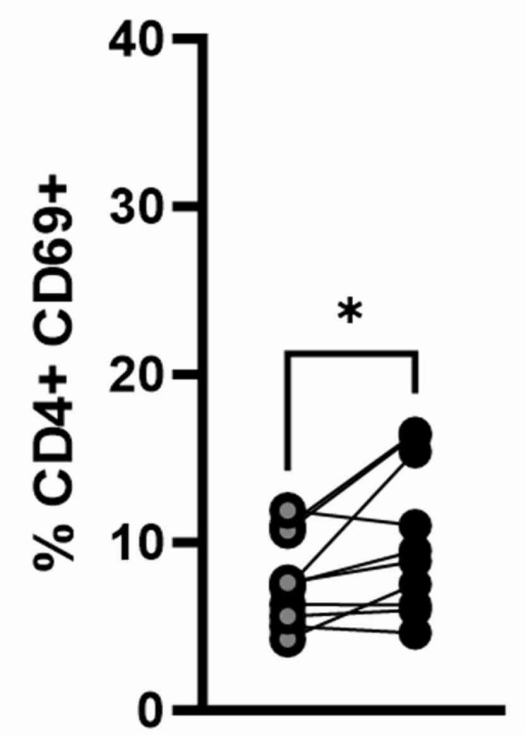
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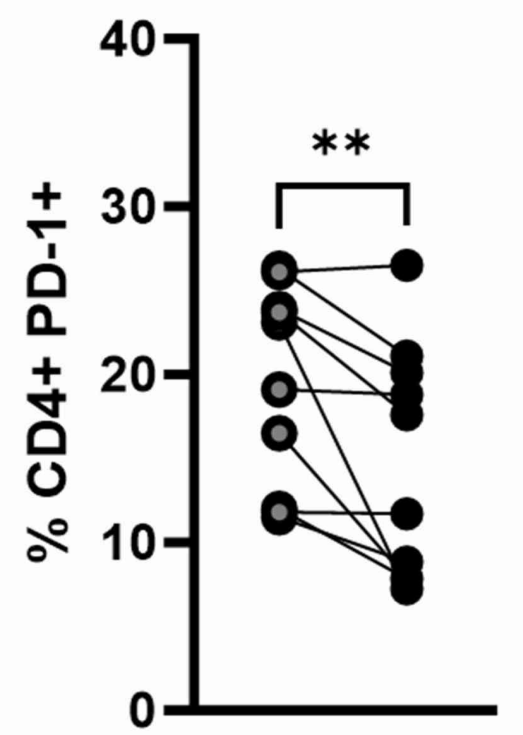
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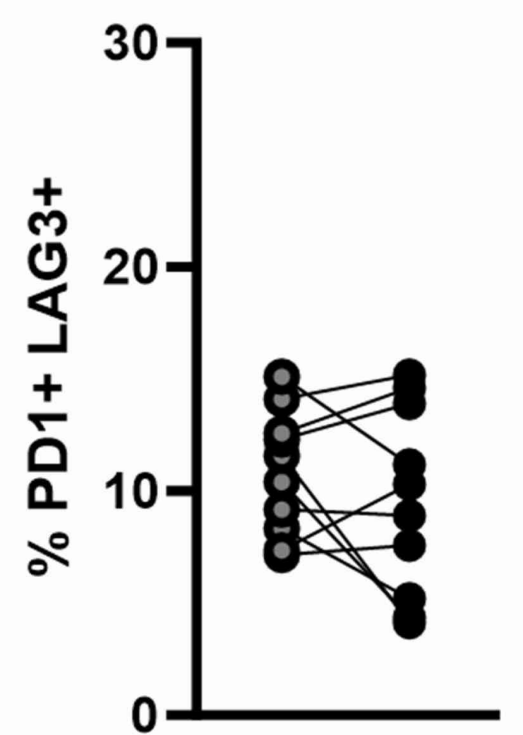
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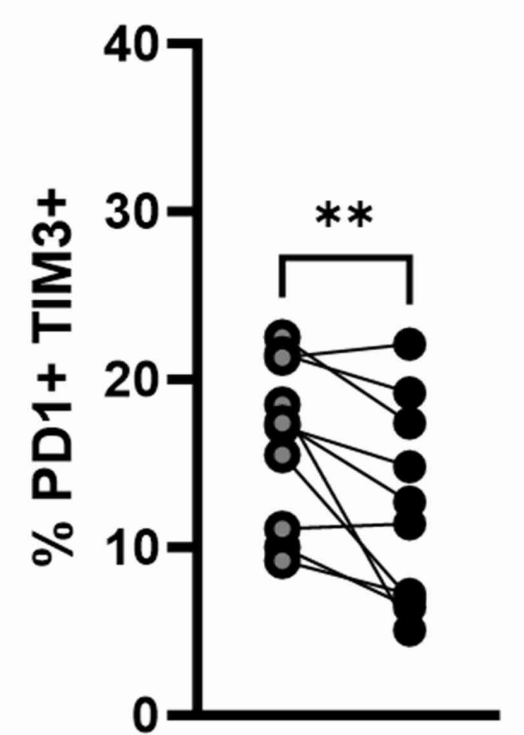
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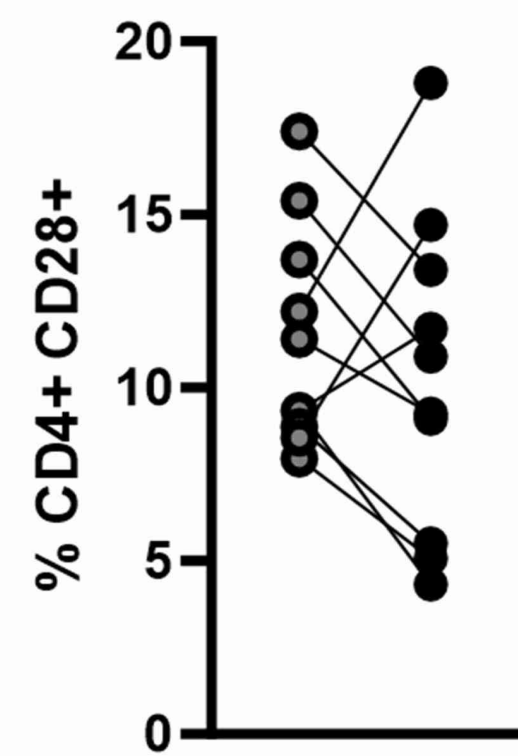
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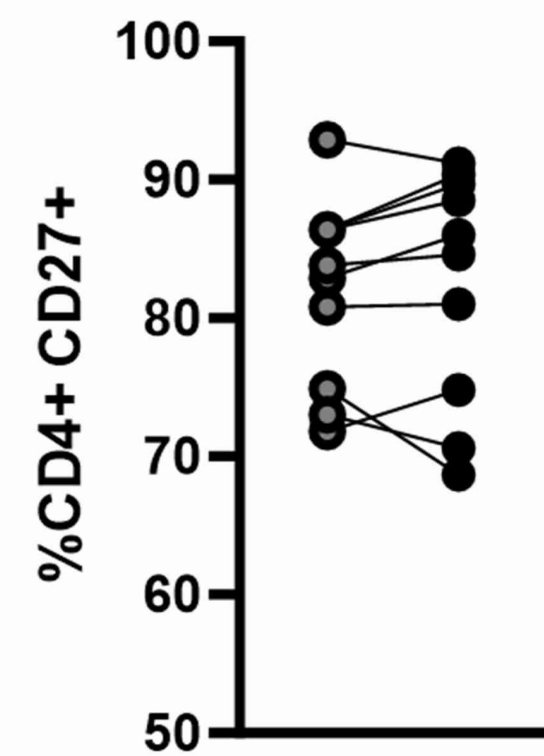
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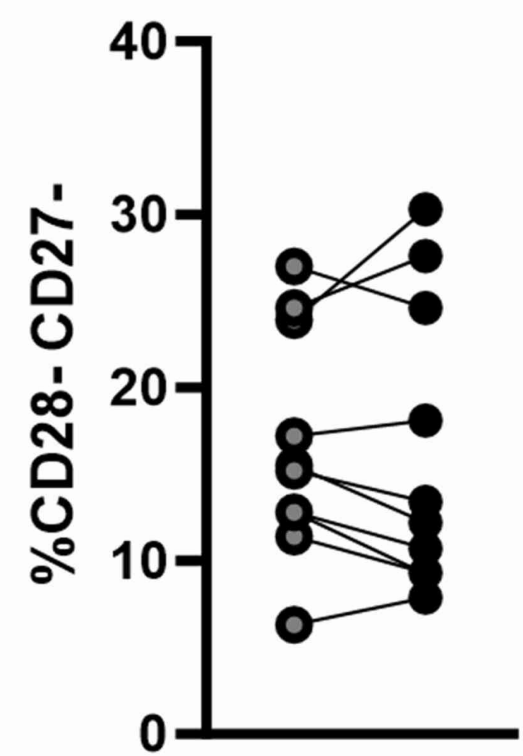
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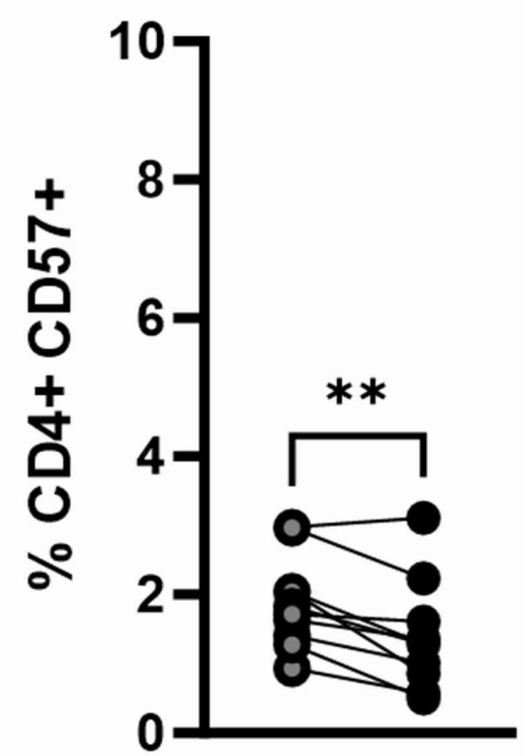
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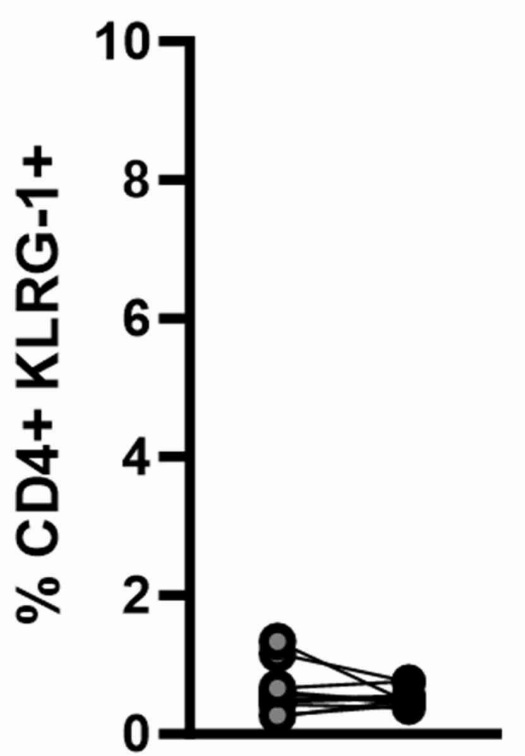
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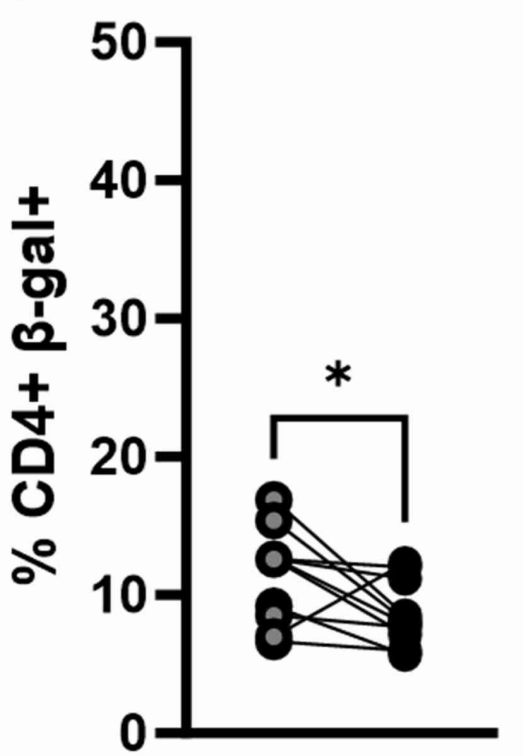
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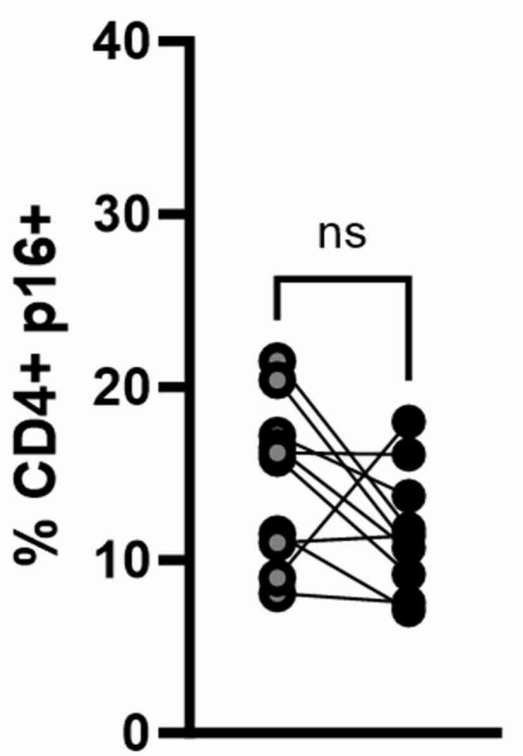
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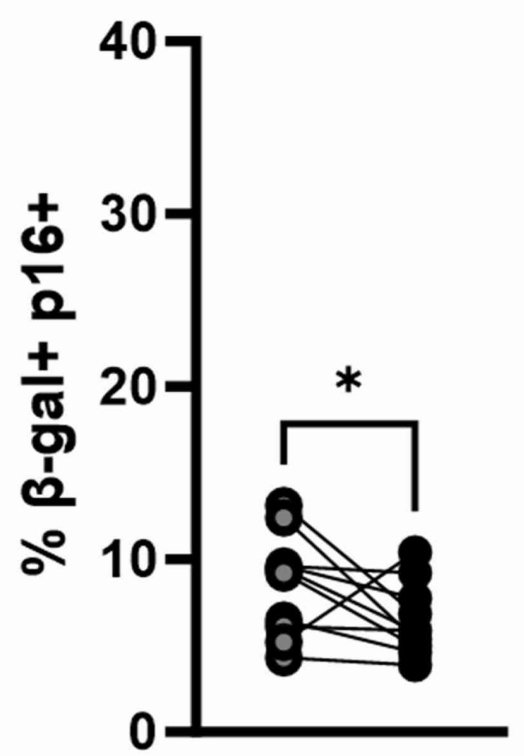
**S**



**T**



**U**



**Supp Fig 3. Mito-transfer improves T cell activation and reduces human T cell exhaustion and senescence.** Donor mitochondria isolated from primary human neonatal dermal fibroblasts were transplanted into CD4<sup>+</sup> T cells from elderly humans. Elderly CD4<sup>+</sup> T cells with or without mito-transfer were activated via surface cross-linking (CD3/CD28), T cells either received a single (single) or continuous (cont.) stimulation. The percentages of **A)** CD28- CD27, **B)**  $\beta$ -gal+, **C)** p16+, **D)** Ki67+, and **E)**  $\gamma$ H2A.X+ human CD4<sup>+</sup> cells at 7 days after initial activation with CD3/CD28/CD2. The percentages of **F)** CD45RO+ CD62L+, **G)** CD45RO+ CD62L, **H)** CD45RO- CD62L-, **I)** CD45RO- CD62L-, **J)** CD69+, **K)** PD-1+, **L)** PD-1+ LAG3+, **M)** PD-1+ TIM3+, **N)** CD28+, **O)** CD27+, **P)** CD28- CD27, **Q)** CD57+, **R)** KLRG1+, and **S)**  $\beta$ -Gal+, **T)** p16+, **U)**  $\beta$ -gal+ p16+ human CD4<sup>+</sup> T cells at 14 days after continuous stimulation with CD3/CD28/CD2. 10 biological replicates per group, with  $p \leq 0.05 = *$ ,  $p \leq 0.01 = **$ , using paired Student's t-test.

Uniprot ID	Gene Symbol	t-test	FDR (adj. P-val.)	O1	O2	O3	OM1	OM2	OM3
P35564	Canx	0.000	0.009	0.244	0.000	-0.086	1.700	1.720	1.860
P56959	Fus	0.739	1.000	-0.231	0.140	0.000	-0.070	-0.107	0.255
Q01147	Creb1	0.091	0.232	-0.101	0.000	0.267	-0.384	-0.333	-0.078
B2RQC6	Cad	0.675	0.952	0.244	0.000	-0.142	0.662	-0.451	-0.695
O09117	Sypl1	0.366	0.613	0.244	0.000	-0.323	0.744	-0.281	0.538
Q9JIK9	Mrps34	0.049	0.154	0.000	0.757	-0.497	1.210	1.140	1.010
Q8K1Z0	Coq9	0.032	0.117	0.000	0.186	-0.023	0.862	0.388	0.472
P12265	Gusb	0.016	0.079	0.311	0.000	-0.297	0.822	0.616	0.837
P0C0S6	H2afz	0.384	0.633	-0.205	0.000	0.096	-0.364	-0.361	0.097
Q3THW5	H2afv	0.384	0.633	-0.205	0.000	0.096	-0.364	-0.361	0.097
Q8BM55	Tmem214	0.001	0.020	0.000	0.450	-0.101	1.560	1.490	1.600
P70227	Itpr3	0.573	0.843	-0.451	0.154	0.000	0.017	-0.052	0.078
O08579	Emd	0.292	0.518	-0.552	0.000	0.097	0.094	-0.100	0.655
Q9CQ60	Pgls	0.384	0.633	0.000	1.190	-0.787	-0.304	-2.870	0.284
Q8K2K6	Agfg1	0.896	1.000	-0.030	0.000	1.700	0.753	0.090	1.090
P97450	Atp5j	0.033	0.121	0.000	0.125	-0.630	1.010	0.420	1.140
O55022	Pgrmc1	0.000	0.010	0.000	-0.086	0.009	1.480	1.240	1.540
Q9D0K2	Oxct1	0.000	0.012	0.000	0.092	-0.243	1.760	1.440	1.670
Q3UZ39	Lrrfip1	0.003	0.030	0.000	-0.058	0.148	-0.914	-0.930	-0.588
P52825	Cpt2	0.312	0.545	0.000	0.208	-0.370	1.210	0.043	0.051
P70460	Vasp	0.139	0.305	0.006	-0.256	0.000	-0.109	-0.539	-0.494
Q62422	Ostf1	0.025	0.102	0.488	-0.040	0.000	-0.345	-0.835	-0.846
Q8BMK4	Ckap4	0.000	0.010	0.093	0.000	-0.598	3.600	3.310	3.710
Q8BFY9	Tnpo1	0.030	0.112	-0.077	0.000	0.000	-0.433	-1.300	-0.849
Q9D6J6	Ndufv2	0.049	0.154	0.000	0.342	-0.183	0.718	0.363	0.856
P51125	Cast	0.847	1.000	-0.076	0.000	0.118	0.232	-0.209	-0.068
P06800	Ptprc	0.199	0.394	-0.090	0.130	0.000	-0.302	-0.348	0.046
Q9Z277	Baz1b	0.955	1.000	-0.231	0.238	0.000	0.030	-0.197	0.206
Q9CWL8	Ctnnb1	0.003	0.033	0.000	0.296	-0.044	-0.669	-1.050	-0.968
Q7TPR4	Actn1	0.680	0.956	0.455	0.000	-0.439	0.662	-0.251	0.099
P35979	Rpl12	0.491	0.755	0.266	-0.151	0.000	0.271	-0.094	0.359
O09167	Rpl21	0.336	0.573	0.282	-1.900	0.000	0.415	-0.668	2.110
Q8R081	Hnrnp1	0.025	0.101	-0.126	0.000	0.040	-0.348	-0.636	-0.308
P70315	Was	0.034	0.122	0.000	-0.169	0.494	-0.488	-1.180	-0.715
Q91YH5	Ati3	0.038	0.130	-0.218	0.589	0.000	0.827	0.935	0.843
P14824	Anxa6	0.623	0.898	-0.261	0.274	0.000	-0.273	-0.143	0.121
Q99L45	Eif2s2	0.540	0.807	0.342	-0.259	0.000	0.266	-0.631	-0.179
Q9Z2D6	Mecp2	0.063	0.181	-0.130	0.000	0.020	-0.393	-0.654	-0.177
Q9D1A2	Cndp2	0.006	0.043	0.000	0.087	-0.305	-0.761	-1.170	-1.080
Q6IRU2	Tpm4	0.699	0.975	0.000	0.258	-0.242	0.139	-0.352	-0.025
Q9JKF1	Iqgap1	0.611	0.885	0.080	0.000	-0.164	0.186	-0.420	-0.164
O08734	Bak1	0.010	0.060	0.000	0.028	-0.547	0.687	0.764	0.655
Q9DBJ1	Pgam1	0.020	0.088	0.582	-0.030	0.000	-0.473	-1.080	-1.040
P24270	Cat	0.046	0.148	0.177	0.000	-0.253	1.040	0.403	0.494
P47757	Capzb	0.016	0.077	0.000	0.178	-0.196	-0.410	-0.725	-0.604
Q8BK67	Rcc2	0.253	0.466	0.487	-0.092	0.000	0.079	-0.473	-0.172
Q8C0G2	Traf3ip3	0.025	0.100	-0.492	0.050	0.000	-0.704	-0.767	-0.938
Q9CYN2	Spcs2	0.069	0.192	0.000	0.270	-0.026	0.525	0.226	0.467
Q9D0F9	Pgm1	0.000	0.014	-0.069	0.000	0.150	-1.850	-2.270	-1.690
Q5SUA5	Myo1g	0.101	0.247	0.000	-0.027	0.074	-0.171	-0.701	-0.196
Q8BJZ4	Mrps35	0.007	0.051	0.062	0.000	-0.636	1.340	1.050	0.901
Q920B9	Supt16h	0.019	0.087	0.022	0.000	-0.102	-0.331	-0.845	-0.661
D3Z7P3	Gls	0.500	0.765	0.000	0.006	-0.037	0.732	-0.191	0.043
Q8BRG8	Tmem209	0.181	0.368	0.000	-1.610	0.980	0.868	1.100	1.090
Q9DBE8	Alg2	0.000	0.012	0.004	0.000	-0.115	0.889	0.810	1.040
Q9JIX8	Acin1	0.008	0.051	-0.012	0.228	0.000	-0.410	-0.622	-0.382
Q9JI39	Abcb10	0.138	0.303	0.860	-0.266	0.000	1.480	0.456	1.190



O55201	Supt5h	0.014	0.073	0.000	-0.043	0.190	-0.500	-1.070	-0.621
P47754	Capza2	0.597	0.870	0.242	-0.135	0.000	-0.200	-0.355	0.281
Q9R190	Mta2	0.043	0.142	-0.073	0.000	0.242	-0.313	-0.546	-0.196
Q99PL5	Rrbp1	0.476	0.736	0.000	0.054	-0.281	0.493	-0.283	0.146
Q6DFW4	Nop58	0.101	0.246	0.101	-0.080	0.000	-0.065	-0.661	-0.403
P26041	Msn	0.350	0.592	0.047	0.000	-0.054	0.016	-0.303	-0.044
Q9DCT5	Sdf2	0.001	0.020	-0.108	0.000	0.394	2.260	1.720	1.880
Q9CQJ8	Ndufb9	0.003	0.033	-0.196	0.220	0.000	0.740	0.744	0.811
P97742	Cpt1a	0.015	0.076	0.000	0.296	-0.452	0.925	0.756	0.903
Q9JKR6	Hyou1	0.008	0.053	0.225	0.000	-0.131	1.020	0.600	0.825
P13020	Gsn	0.025	0.102	0.242	0.000	-0.363	0.994	0.554	0.643
P11087	Col1a1	0.000	0.002	0.000	0.029	-0.359	7.740	7.340	7.640
P62264	Rps14	0.453	0.711	0.151	-0.252	0.000	0.120	-0.562	-0.229
P70441	Slc9a3r1	0.003	0.033	0.000	-0.076	0.282	-1.040	-1.680	-1.200
Q9D4J7	Phf6	0.051	0.158	0.066	-0.328	0.000	-0.462	-1.120	-0.611
P47738	Aldh2	0.815	1.000	0.398	0.000	-0.923	0.773	-0.269	-0.602
Q00PI9	Hnrnpul2	0.026	0.104	-0.040	0.228	0.000	-0.233	-0.569	-0.346
Q8VE37	Rcc1	0.021	0.092	-0.073	0.000	0.088	-0.349	-0.451	-0.184
Q62351	Tfrc	0.848	1.000	1.330	0.000	-0.491	1.130	-0.397	-0.350
Q9Z2I8	Suc1g2	0.566	0.835	0.026	0.000	-0.159	0.510	-0.235	0.016
Q6P5E4	Ugg1	0.004	0.038	0.000	0.111	-0.056	0.592	0.431	0.718
P22892	Ap1g1	0.026	0.103	0.208	-0.088	0.000	-0.441	-1.260	-1.380
P68404	Prkcb	0.078	0.209	0.000	0.147	-0.418	-0.334	-0.753	-0.690
Q9D554	Sf3a3	0.380	0.629	-0.549	0.464	0.000	-1.380	-0.697	0.305
Q9DCX2	Atp5h	0.025	0.101	0.000	0.466	-0.336	1.070	1.120	0.719
P20152	Vim	0.215	0.412	-0.323	0.000	0.034	0.296	-0.083	0.213
Q3THK7	Gmps	0.013	0.069	0.144	0.000	-0.093	-0.611	-1.310	-0.837
P35550	Fbl	0.028	0.108	0.000	0.208	-0.044	-0.216	-0.596	-0.384
Q8VE22	Mrps23	0.006	0.044	-0.054	0.132	0.000	0.889	0.501	0.810
P60229	Eif3e	0.509	0.773	0.118	0.000	-0.169	0.147	-0.427	-0.174
Q569Z6	Thrap3	0.018	0.083	0.000	-0.095	0.105	-0.329	-0.780	-0.538
P50396	Gdi1	0.000	0.008	-0.087	0.000	0.016	-1.240	-1.480	-1.310
Q9DAR7	Dcps	0.002	0.027	0.000	-0.191	0.360	-1.520	-1.940	-2.320
Q02053	Uba1	0.001	0.019	-0.136	0.000	0.019	-0.926	-1.240	-1.310
Q99L43	Cds2	0.069	0.191	0.096	0.000	-0.041	0.400	0.094	0.473
P68373	Tuba1c	0.757	1.000	-0.157	0.382	0.000	0.181	-0.134	-0.005
Q8R550	Sh3kbp1	0.065	0.185	-0.456	0.012	0.000	-0.738	-0.809	-0.400
Q64511	Top2b	0.552	0.820	-0.077	0.020	0.000	-0.131	-0.265	0.115
Q62418	Dbnl	0.002	0.028	-0.131	0.000	0.056	-1.040	-1.690	-1.410
Q9D404	Oxsm	0.917	1.000	0.000	0.611	-0.220	0.234	0.026	0.046
Q8BPU7	Elmo1	0.003	0.033	-0.217	0.000	0.110	-0.699	-0.889	-0.683
Q99JB2	Stoml2	0.007	0.048	0.000	0.206	-0.196	0.991	0.626	0.828
P11499	Hsp90ab1	0.018	0.084	0.026	0.000	-0.037	-0.346	-0.932	-0.757
P21619	Lmn2	0.066	0.186	-0.179	0.000	0.032	-0.265	-0.402	-0.177
Q6NZC7	Sec23ip	0.136	0.301	0.293	0.000	-0.031	-0.215	-1.310	-0.279
Q922R8	Pdia6	0.018	0.083	0.000	0.091	-0.433	1.380	1.200	0.553
P49710	Hcls1	0.004	0.034	-0.319	0.000	0.235	-1.270	-1.490	-1.060
Q9CY58	Serbp1	0.592	0.864	-0.242	0.000	0.112	0.215	-0.198	0.139
O89090	Sp1	0.189	0.379	0.000	1.060	-0.104	-0.224	-0.256	-0.338
P59017	Bcl2l13	0.118	0.274	0.000	-0.077	0.194	-0.067	-0.784	-0.362
Q9JI13	Utp3	0.366	0.612	1.970	-0.999	0.000	1.660	0.754	1.350
P27659	Rpl3	0.218	0.417	0.230	-0.104	0.000	0.727	0.075	0.273
P97807	Fh	0.048	0.152	0.000	0.319	-0.305	0.689	0.384	0.857
P11983	Tcp1	0.019	0.087	0.010	-0.033	0.000	-0.369	-0.934	-0.590
Q9QY81	Nup210	0.079	0.209	0.000	0.154	-0.034	-0.133	-0.253	-0.062
Q9EQP2	Ehd4	0.227	0.429	0.000	0.001	-0.845	0.451	0.115	-0.049
Q8R010	Aimp2	0.173	0.357	0.013	0.000	-0.531	-0.551	-1.030	-0.312
Q8CBY8	Dctn4	0.037	0.129	0.000	-0.092	0.128	-0.321	-0.625	-0.243
Q3TBT3	Tmem173	0.649	0.925	-0.395	0.164	0.000	-0.291	-0.323	0.074

P14733	Lmnb1	0.060	0.175	-0.138	0.000	0.107	-0.348	-0.608	-0.184
P17225	Ptbp1	0.985	1.000	-0.053	0.090	0.000	-0.272	-0.102	0.336
P61979	Hnrnpk	0.004	0.034	-0.236	0.011	0.000	-0.622	-0.888	-0.763
P46935	Nedd4	0.009	0.057	1.270	0.000	-0.301	3.520	2.530	2.910
Q99KV1	Dnajb11	0.002	0.025	0.038	0.000	-0.045	0.752	0.934	1.200
Q9JJA4	Wdr12	0.164	0.343	0.164	0.000	-0.215	-0.313	-0.653	-0.091
Q9JHU4	Dync1h1	0.241	0.450	0.000	0.014	-0.111	0.549	-0.014	0.098
Q5PSV9	Mdc1	0.020	0.088	0.000	-0.100	0.030	-0.538	-0.554	-0.234
P07356	Anxa2	0.002	0.028	-0.294	0.146	0.000	0.920	0.824	1.030
Q6PDM2	Srsf1	0.015	0.076	0.288	0.000	-0.003	-0.389	-0.976	-0.902
Q9Z1Q9	Vars	0.018	0.083	0.137	-0.048	0.000	-0.459	-1.210	-0.842
P22646	Cd3e	0.501	0.766	-0.349	0.000	0.371	-0.475	-0.277	0.156
Q923D5	Wbp11	0.022	0.095	-0.054	0.000	0.115	-0.351	-0.733	-0.346
O08583	Alyref	0.509	0.773	-0.288	0.193	0.000	-0.401	0.188	1.140
Q8BGH2	Samm50	0.000	0.013	0.000	0.083	-0.194	0.973	0.871	0.934
Q99KK7	Dpp3	0.000	0.013	-0.119	0.102	0.000	-1.230	-1.360	-1.600
P16546	Sptan1	0.055	0.165	-0.057	0.095	0.000	0.323	0.097	0.320
Q8VIJ6	Sfpq	0.012	0.066	-0.229	0.123	0.000	-0.574	-0.596	-0.442
Q9CZR8	Tsfm	0.707	0.983	0.245	0.000	-0.207	0.426	-0.475	-0.282
Q9D1J3	Sarnp	0.287	0.512	-0.551	0.000	0.172	-0.814	-0.430	-0.184
P23116	Eif3a	0.339	0.578	0.109	0.000	-0.242	0.055	-0.402	-0.373
Q8K4Z5	Sf3a1	0.029	0.110	-0.065	0.185	0.000	-0.670	-0.424	-0.241
Q9WVA3	Bub3	0.226	0.429	-0.180	0.000	0.110	-0.149	-0.518	-0.085
Q8BFW7	Lpp	0.000	0.009	0.000	0.546	-0.074	4.720	4.080	4.430
Q3TZZ7	Esyt2	0.004	0.037	-0.192	0.000	0.048	0.458	0.367	0.491
P80314	Cct2	0.030	0.113	-0.001	0.000	0.055	-0.220	-0.792	-0.640
Q6PB66	Lrpprc	0.035	0.125	0.000	0.121	-0.292	0.941	0.428	0.430
E9PVX6	Mki67	0.500	0.765	0.712	-0.541	0.000	0.430	-0.788	-0.647
Q7Tsv4	Pgm2	0.000	0.013	0.000	-0.203	0.179	-1.780	-2.280	-2.070
Q9R0P3	Esd	0.086	0.222	0.000	0.047	-0.224	-0.212	-0.757	-0.429
Q9D824	Fip111	0.562	0.831	-0.526	0.000	0.347	-0.360	-0.548	0.118
Q8CI51	Pdim5	0.002	0.025	0.018	0.000	-0.246	2.180	1.340	1.770
Q99MR6	Srrt	0.012	0.069	0.089	-0.063	0.000	-0.600	-1.420	-1.250
P55194	Sh3bp1	0.018	0.083	-0.199	0.000	0.014	-0.550	-1.070	-0.614
Q922P9	Glyr1	0.200	0.394	-0.174	0.000	0.112	-0.349	-0.510	0.002
Q9D819	Ppa1	0.012	0.069	0.055	-0.145	0.000	-1.050	-1.690	-0.821
Q9QUM0	Itga2b	0.351	0.592	0.000	0.515	-0.869	-0.489	-0.209	-1.310
Q8OU93	Nup214	0.291	0.518	-0.291	0.118	0.000	-0.193	-0.509	-0.103
Q8BVY0	Rsl1d1	0.050	0.155	0.000	-0.234	0.038	-0.355	-1.110	-0.679
O09106	Hdac1	0.745	1.000	-0.195	0.107	0.000	-0.161	-0.227	0.147
O09111	Ndufb11	0.001	0.018	0.019	-0.197	0.000	0.578	0.575	0.648
Q9D6R2	Idh3a	0.546	0.814	0.000	0.280	-0.166	0.748	-0.097	0.040
Q80WJ7	Mtdh	0.233	0.439	0.000	-0.069	0.038	0.134	-0.029	0.382
Q60611	Satb1	0.855	1.000	0.000	-0.019	0.104	0.646	-1.180	0.293
P40124	Cap1	0.001	0.015	0.000	0.284	-0.079	-1.070	-1.130	-1.270
Q9ERU9	Ranbp2	0.147	0.315	0.000	-0.026	0.041	0.012	-0.328	-0.218
P08113	Hsp90b1	0.004	0.035	0.176	0.000	-0.151	1.090	0.696	0.949
P63024	Vamp3	0.003	0.033	0.045	0.000	-0.153	0.674	0.557	0.918
P54823	Ddx6	0.098	0.242	0.066	0.000	-0.011	-0.081	-0.692	-0.327
P13864	Dnmt1	0.113	0.267	0.336	0.000	-0.055	-0.098	-0.924	-0.353
O08784	Tcof1	0.113	0.266	-0.009	0.000	0.150	-0.099	-0.536	-0.133
Q9D1G1	Rab1b	0.303	0.533	0.158	-0.095	0.000	-0.172	-0.134	0.029
Q99JY9	Actr3	0.188	0.378	0.048	-0.092	0.000	0.345	0.013	0.107
P60710	Actb	0.156	0.330	-0.073	0.121	0.000	-0.014	-0.514	-0.237
P63260	Actg1	0.156	0.330	-0.073	0.121	0.000	-0.014	-0.514	-0.237
Q80V86	Ints8	0.570	0.839	-0.504	3.710	0.000	0.053	1.310	-0.890
Q61655	Ddx19a	0.390	0.639	0.118	-0.022	0.000	0.132	-0.526	-0.084
P62830	Rpl23	0.643	0.919	0.106	-0.204	0.000	0.399	-0.679	-0.312
Q9CQ92	Fis1	0.078	0.209	0.240	-0.067	0.000	-0.226	-0.500	-0.127

P54276	Msh6	0.033	0.120	0.135	0.000	-0.179	-0.428	-1.340	-0.957
P06240	Lck	0.294	0.521	-0.202	0.459	0.000	-0.260	-0.257	-0.001
Q07235	Serpine2	0.277	0.498	0.428	0.000	-0.162	0.144	-0.483	-0.384
P30681	Hmgb2	0.095	0.238	-0.015	0.000	0.040	-0.144	-0.615	-0.195
Q60953	Pml	0.062	0.178	0.071	0.000	-0.108	-0.221	-1.170	-0.818
Q9ESX5	Dkc1	0.025	0.102	0.012	0.000	-0.193	-0.277	-0.447	-0.330
Q62189	Snrpa	0.029	0.111	0.000	-0.283	0.089	-0.543	-0.927	-0.493
Q8VDD5	Myh9	0.002	0.027	0.000	0.052	-0.141	0.796	0.520	0.751
Q922U1	Prpf3	0.013	0.071	-0.006	0.000	0.443	-0.588	-0.960	-0.545
Q78PY7	Snd1	0.431	0.687	0.121	0.000	-0.224	0.151	-0.543	-0.309
Q80UG5	Sept 9	0.237	0.444	-0.272	0.086	0.000	-0.200	-0.429	-0.138
P24452	Capg	0.026	0.104	-0.297	0.189	0.000	-0.617	-0.622	-0.450
P70372	Elavl1	0.445	0.702	-0.426	0.124	0.000	-0.293	-0.336	-0.126
Q9D0W5	Ppil1	0.009	0.056	-0.094	0.000	0.110	-0.708	-1.100	-0.574
P17182	Eno1	0.002	0.028	0.055	-0.141	0.000	-0.948	-1.530	-1.280
Q61599	Arhgdib	0.001	0.015	0.372	-0.115	0.000	-1.450	-1.770	-1.570
P29758	Oat	0.001	0.018	0.000	0.170	-0.473	1.810	1.920	2.200
Q01320	Top2a	0.345	0.585	0.420	0.000	-0.276	0.181	-0.632	-0.423
Q9CYA0	Creld2	0.202	0.398	0.461	0.000	-0.153	0.057	-0.768	-0.358
Q99KP6	Prpf19	0.018	0.083	0.000	-0.070	0.105	-0.384	-0.924	-0.583
Q9WV60	Gsk3b	0.103	0.249	0.000	-0.045	0.044	-0.511	-1.120	-0.157
Q80VD1	Fam98b	0.136	0.301	0.000	-0.052	0.036	-0.205	-0.328	-0.014
Q9Z2G6	Sel1l	0.015	0.077	0.000	0.785	-0.235	1.410	1.440	1.460
Q8QZY1	Eif3l	0.322	0.557	0.286	0.000	-0.080	0.235	-0.651	-0.334
Q9DBC7	Prkar1a	0.005	0.042	-0.209	0.003	0.000	-0.670	-0.996	-0.671
Q9QZE5	Copg1	0.155	0.329	-0.425	0.159	0.000	-0.405	-0.615	-0.289
O08749	Dld	0.005	0.039	0.000	0.188	-0.179	0.904	0.625	0.763
Q9QXS1	Plec	0.017	0.081	-0.164	0.000	0.083	0.797	0.326	0.702
P38647	Hspa9	0.072	0.196	0.035	0.000	-0.356	1.510	0.407	0.498
P63038	Hspd1	0.006	0.044	0.000	0.119	-0.240	1.090	0.650	0.822
Q99KJ8	Dctn2	0.536	0.803	-0.313	0.028	0.000	-0.031	-0.389	-0.172
Q9DBL1	Acadsb	0.001	0.022	0.000	0.020	-0.201	1.980	1.390	1.380
Q61335	Bcap31	0.080	0.212	0.000	-0.052	0.226	1.140	0.266	0.636
Q9Z2I0	Letm1	0.002	0.025	0.000	0.057	-0.198	0.565	0.495	0.591
Q62318	Trim28	0.170	0.352	-0.106	0.039	0.000	-0.141	-0.502	-0.101
P84104	Srsf3	0.070	0.193	0.568	-0.014	0.000	-0.104	-0.988	-0.770
P62196	Psmc5	0.040	0.136	0.000	0.308	-0.008	-0.201	-0.818	-0.531
Q9D8E6	Rpl4	0.054	0.163	0.321	-0.021	0.000	0.782	0.316	0.637
Q9CXR1	Dhrs7	0.113	0.266	0.279	0.000	-0.073	0.747	0.268	0.322
Q9CWZ3	Rbm8a	0.096	0.238	0.000	0.642	-0.100	-0.984	-1.000	-0.037
Q07813	Bax	0.323	0.559	-0.110	0.000	0.085	0.671	-0.114	0.210
P68368	Tuba4a	0.020	0.087	0.146	0.000	-0.226	-0.480	-1.030	-1.100
Q99JY0	Hadhb	0.462	0.721	-0.070	0.350	0.000	0.625	-0.024	0.237
Q8BX90	Fndc3a	0.002	0.025	0.055	0.000	-0.428	1.370	1.110	1.570
Q3UPF5	Zc3hav1	0.070	0.193	-0.342	0.000	0.012	-0.376	-0.579	-0.367
Q91X20	Ash2l	0.063	0.180	-0.240	0.077	0.000	-0.381	-0.538	-0.236
Q8BTM8	Flna	0.293	0.520	0.000	0.121	-0.418	0.299	0.000	0.080
P60122	Ruvbl1	0.055	0.165	0.000	-0.042	0.052	-0.122	-0.461	-0.238
Q61823	Pdcd4	0.011	0.065	-0.098	0.000	0.177	-1.090	-2.030	-1.100
P60335	Pcbp1	0.101	0.246	0.188	-0.140	0.000	-0.087	-0.939	-0.627
O88569	Hnrnpa2b1	0.148	0.318	-0.304	0.073	0.000	-0.472	-0.454	-0.145
Q9DBG6	Rpn2	0.000	0.012	0.000	0.145	-0.216	1.580	1.360	1.520
P17426	Ap2a1	0.687	0.963	0.021	0.000	-0.170	0.374	-0.291	0.030
Q9D903	Ebna1bp2	0.166	0.347	-0.081	0.000	0.201	-0.212	-0.623	-0.032
Q9Z110	Aldh18a1	0.109	0.261	0.000	0.052	-0.331	1.350	0.197	0.449
Q8VDK1	Nit1	0.269	0.488	0.029	0.000	-0.100	-0.074	-0.053	-0.391
Q9CPY7	Lap3	0.806	1.000	0.158	0.000	-0.383	0.568	-0.516	0.000
P14211	Calr	0.017	0.080	0.000	0.269	-0.256	0.717	0.570	0.599
Q91VI7	Rnh1	0.157	0.333	0.147	0.000	-0.013	0.060	-0.933	-0.519

Q9JHJ0	Tmod3	0.961	1.000	0.000	0.019	-0.389	0.016	-0.217	-0.146
P10107	Anxa1	0.215	0.412	1.740	0.000	-0.057	2.140	1.090	1.410
O70145	Ncf2	0.290	0.517	1.390	0.000	-0.200	0.382	-0.806	-0.670
P70429	Evl	0.271	0.490	0.032	-0.049	0.000	-0.053	-1.080	-0.145
Q3U9G9	Lbr	0.634	0.910	-0.053	0.000	0.182	0.005	-0.311	0.185
P50516	Atp6v1a	0.725	1.000	0.551	0.000	-0.094	0.623	-0.032	0.181
P50247	Ahcy	0.001	0.020	-0.059	0.000	0.042	-1.130	-1.720	-1.480
P40142	Tkt	0.039	0.132	0.533	-0.106	0.000	-0.340	-1.110	-0.864
Q8BH59	Slc25a12	0.037	0.127	-0.084	0.153	0.000	0.368	0.204	0.480
Q9R0X4	Acot9	0.058	0.171	0.000	0.694	-0.021	1.030	0.770	0.829
O08914	Faah	0.027	0.106	0.000	0.057	-0.048	-0.181	-0.299	-0.124
Q61550	Rad21	0.309	0.542	0.000	-0.027	0.146	-0.235	-0.456	0.157
P52875	Tmem165	0.029	0.110	0.372	0.000	-0.179	1.140	0.576	1.390
Q3TIX9	Usp39	0.018	0.083	0.270	-0.160	0.000	-0.496	-0.734	-0.449
P55302	Lrpap1	0.001	0.015	0.000	0.001	-0.525	1.780	1.710	2.060
Q3U0V2	Tradd	0.076	0.204	0.000	0.234	-0.079	-0.090	-0.626	-0.805
P21958	Tap1	0.423	0.677	-0.148	0.237	0.000	-0.065	-0.190	0.007
Q3TXS7	Psmd1	0.130	0.293	0.328	-0.138	0.000	-0.098	-0.383	-0.247
Q99PV0	Prpf8	0.020	0.087	-0.023	0.225	0.000	-0.196	-0.284	-0.261
Q9Z0P5	Twf2	0.004	0.034	0.062	-0.102	0.000	-1.230	-1.830	-1.120
Q62261	Sptbn1	0.014	0.072	0.000	0.243	-0.084	0.494	0.512	0.429
F6ZDS4	Tpr	0.023	0.096	-0.076	0.000	0.080	-0.279	-0.547	-0.266
P11835	Itgb2	0.068	0.188	0.255	-0.053	0.000	-0.095	-0.485	-0.320
Q9CR51	Atp6v1g1	0.816	1.000	0.620	0.000	-0.365	0.327	-0.391	0.055
P32921	Wars	0.102	0.248	0.000	-0.106	0.007	-0.096	-0.377	-0.196
Q9JIK5	Ddx21	0.023	0.096	0.038	0.000	-0.075	-0.306	-0.743	-0.429
P43404	Zap70	0.038	0.131	-0.465	0.041	0.000	-0.669	-0.946	-0.589
Q5FWK3	Arhgap1	0.296	0.524	0.076	-0.093	0.000	0.053	-0.363	-0.173
Q8BH61	F13a1	0.387	0.635	0.693	0.000	-0.022	0.346	-0.483	-0.175
Q8BWT1	Acaa2	0.089	0.228	0.000	0.088	-0.212	0.592	0.136	0.245
P19973	Lsp1	0.002	0.026	0.000	-0.001	0.158	-1.090	-1.130	-0.706
P48678	Lmna	0.002	0.028	0.000	0.046	-0.348	0.967	0.745	0.972
G5E870	Trip12	0.026	0.105	-0.220	0.190	0.000	-0.368	-0.610	-0.474
Q9JHS9	Cwc15	0.035	0.124	0.000	-0.060	0.174	-0.357	-0.766	-1.240
O54824	Il16	0.400	0.650	-0.327	0.000	0.082	-0.272	-0.328	-0.065
Q91YI4	Arrb2	0.043	0.141	0.421	-0.090	0.000	-0.306	-1.050	-0.648
Q99JY3	Gimap4	0.000	0.014	-0.308	0.000	0.029	-1.380	-1.590	-1.690
P08003	Pdia4	0.111	0.264	0.208	0.000	-0.016	0.512	0.143	0.322
O35295	Purb	0.019	0.085	-0.254	0.142	0.000	-0.477	-0.948	-0.748
P62821	Rab1A	0.807	1.000	0.232	-0.032	0.000	0.737	-0.085	-0.211
Q08943	Ssrp1	0.047	0.149	0.000	0.059	-0.129	-0.264	-0.982	-0.659
Q9CW46	Raver1	0.212	0.409	-0.429	0.000	0.009	-0.636	-0.311	-0.288
Q8BL97	Srsf7	0.044	0.142	0.415	0.000	-0.051	-0.237	-0.986	-0.723
Q8C7E9	Cstf2t	0.231	0.435	0.000	-0.128	0.732	-4.370	-0.082	-0.715
P49722	Psma2	0.000	0.014	-0.245	0.000	0.011	-1.230	-1.480	-1.240
Q9D8W5	Psmd12	0.045	0.146	0.000	0.153	-0.090	-0.282	-1.060	-0.637
Q9WUB3	Pygm	0.033	0.121	-0.282	0.000	0.033	-1.330	-0.756	-0.562
Q99N84	Mrps18b	0.001	0.019	-0.100	0.262	0.000	1.290	1.020	1.220
Q99LX0	Park7	0.001	0.015	0.016	-0.257	0.000	-1.140	-1.450	-1.350
Q3UHJ0	Aak1	0.314	0.547	-0.257	0.000	0.048	-0.279	-0.575	-0.009
Q9DAU1	Cnpy3	0.036	0.125	0.021	0.000	-0.450	0.436	0.377	0.266
Q60710	Samhd1	0.000	0.013	-0.120	0.000	0.000	-0.783	-1.010	-0.907
Q91ZW3	Smarca5	0.092	0.233	0.000	0.038	-0.092	-0.173	-0.514	-0.168
Q9CQF9	Pcyox1	0.003	0.031	0.261	0.000	-0.610	1.640	1.550	1.550
Q3UN02	Lclat1	0.023	0.096	-0.171	0.817	0.000	1.370	1.200	1.660
Q80YR5	Safb2	0.033	0.119	-0.279	0.036	0.000	-0.582	-0.899	-0.420
P26039	Tln1	0.041	0.137	0.059	0.000	-0.282	-0.358	-1.020	-1.000
Q76MZ3	Ppp2r1a	0.013	0.069	0.000	0.029	-0.018	-0.282	-0.657	-0.641
P97371	Psme1	0.001	0.022	-0.041	0.476	0.000	-1.210	-1.170	-1.120

Q9QUJ7	Acsl4	0.326	0.563	0.186	0.000	-0.010	0.509	-0.057	0.321
Q9CQ06	Mrpl24	0.031	0.115	0.158	0.000	-0.175	0.302	0.820	0.865
Q80X90	Flnb	0.001	0.014	0.069	0.000	-0.289	2.350	1.740	2.050
Q9R0E1	Plod3	0.000	0.009	0.000	0.480	-0.111	3.740	3.370	3.760
Q9WU78	Pdcd6ip	0.102	0.247	-0.082	0.153	0.000	-0.146	-0.697	-0.246
Q8BIQ5	Cstf2	0.421	0.675	-0.437	0.000	0.414	-1.200	-0.354	0.232
P67984	Rpl22	0.254	0.467	0.247	0.000	-0.018	0.449	0.053	0.300
P47740	Aldh3a2	0.057	0.169	0.000	0.097	-0.121	0.310	0.102	0.328
Q9CPV4	Glod4	0.023	0.096	0.000	0.150	-0.049	-0.326	-0.824	-0.470
P26040	Ezr	0.241	0.451	0.000	0.009	-0.085	0.234	-0.093	0.286
P42227	Stat3	0.103	0.250	0.000	-0.155	0.131	-0.089	-0.977	-0.688
Q9Z1N5	Ddx39b	0.760	1.000	-0.016	0.782	0.000	0.109	0.138	0.256
P01831	Thy1	0.024	0.098	0.000	-0.028	0.249	0.606	0.378	0.771
Q8K0C4	Cyp51a1	0.000	0.008	0.000	0.282	-0.189	3.810	3.390	3.830
Q9D0L7	Armc10	0.027	0.107	-0.131	0.052	0.000	-0.301	-0.431	-0.208
Q8BMP6	Acbd3	0.380	0.629	0.334	-0.249	0.000	0.447	-1.140	-0.709
O35892	Sp100	0.119	0.276	0.000	-0.023	0.093	-0.048	-0.538	-0.220
P36371	Tap2	0.787	1.000	-0.225	0.273	0.000	-0.153	-0.078	0.133
Q9CZ44	Nsfl1c	0.000	0.011	-0.089	0.000	0.161	-1.340	-1.640	-1.510
Q9CR61	Ndufb7	0.020	0.088	0.000	-0.043	0.113	0.717	0.435	1.080
P23492	Pnp	0.010	0.060	0.405	0.000	-0.271	-0.763	-1.050	-1.040
O88685	Psmc3	0.008	0.054	0.000	0.126	-0.124	-0.422	-0.569	-0.370
P62960	Ybx1	0.498	0.764	0.017	0.000	-0.011	0.279	-0.611	-0.238
Q8C0I1	Agps	0.043	0.142	0.639	0.000	-0.154	1.310	0.764	0.956
Q8R326	Pspc1	0.029	0.110	0.000	0.345	-0.071	-0.607	-0.409	-0.294
Q9DC69	Ndufa9	0.004	0.037	-0.072	0.102	0.000	0.741	0.442	0.635
Q80YV3	Trrap	0.070	0.193	-0.087	0.000	0.024	-0.210	-0.361	-0.101
P47941	Crkl	0.001	0.017	0.039	-0.088	0.000	-1.070	-1.520	-1.270
P11276	Fn1	0.000	0.013	0.759	0.000	-0.029	4.210	3.600	3.790
Q9D1M7	Fkbp11	0.001	0.014	0.000	0.157	-0.617	2.940	2.470	2.970
P56399	Usp5	0.041	0.136	-0.064	0.055	0.000	-0.344	-1.040	-1.390
Q9CQN1	Trap1	0.459	0.719	0.170	0.000	-0.139	0.175	-0.335	-0.254
O89023	Tpp1	0.463	0.722	0.691	0.000	-0.365	0.480	-0.634	-0.724
Q8BHD7	Ptbp3	0.069	0.192	0.000	0.316	-0.167	-0.178	-0.748	-0.545
P11881	Itpr1	0.010	0.059	0.000	0.236	-0.244	0.838	0.632	0.646
Q99KI3	Emc3	0.001	0.015	0.000	0.228	-0.156	1.460	1.280	1.590
Q9WTI7	Myo1c	0.000	0.012	0.000	0.063	-0.194	2.750	2.170	2.720
Q61210	Arhgef1	0.005	0.041	0.000	0.001	-0.005	-0.416	-0.797	-0.644
P48036	Anxa5	0.005	0.042	0.000	0.177	-0.377	0.835	0.814	0.988
B2RY56	Rbm25	0.013	0.071	0.000	-0.016	0.053	-0.439	-1.080	-0.945
P15702	Spn	0.027	0.105	-0.280	0.000	0.175	-0.428	-0.534	-0.621
P12815	Pdcd6	0.518	0.782	-0.178	0.236	0.000	-0.267	0.110	-0.131
Q9D6Z1	Nop56	0.058	0.171	-0.091	0.006	0.000	-0.160	-0.587	-0.343
Q9EPB4	Pycard	0.002	0.023	0.029	0.000	-0.084	-1.520	-1.930	-1.240
D0QMC3	Mndal	0.015	0.076	-0.179	0.041	0.000	-0.432	-0.756	-0.459
P80313	Cct7	0.026	0.104	0.099	0.000	-0.035	-0.245	-0.699	-0.421
Q9Z2Z6	Slc25a20	0.006	0.043	0.161	0.000	-0.081	0.953	0.633	0.619
Q8VHE0	Sec63	0.001	0.014	0.000	0.208	-0.401	2.140	1.810	1.980
Q64674	Srm	0.120	0.277	0.297	0.000	-0.271	-0.147	-0.522	-0.530
P99027	Rplp2	0.515	0.779	0.066	-0.014	0.000	-0.010	-0.366	0.116
Q921H8	Acaa1a	0.168	0.349	0.077	0.000	-0.377	0.732	-0.098	0.503
P21550	Eno3	0.001	0.022	0.000	0.285	-0.011	-0.823	-1.150	-1.090
Q08024	Cbfb	0.018	0.083	-0.165	0.091	0.000	-0.345	-0.749	-0.625
Q6P2L6	Whsc111	0.352	0.593	-0.300	0.000	0.252	-0.124	-1.230	-0.019
Q62523	Zyx	0.182	0.369	-0.086	0.110	0.000	0.768	-0.019	0.410
Q9DB05	Napa	0.787	1.000	0.217	0.000	-0.130	0.223	-0.284	-0.005
Q99K48	Nono	0.023	0.096	-0.200	0.000	0.002	-0.434	-0.635	-0.333
O09044	Snap23	0.002	0.023	0.028	0.000	-0.068	0.650	0.420	0.604
Q61233	Lcp1	0.000	0.008	0.000	0.104	-0.046	-1.290	-1.480	-1.380

P24527	Lta4h	0.001	0.019	0.296	0.000	-0.168	-1.520	-2.110	-1.850
P52480	Pkm	0.003	0.031	0.033	0.000	-0.045	-0.658	-1.130	-1.020
Q60520	Sin3a	0.049	0.154	-0.146	0.000	0.086	-0.240	-0.604	-0.309
Q68FL6	Mars	0.598	0.871	0.310	0.000	-0.218	0.343	-0.524	-0.239
Q8BV49	Pyhin1	0.026	0.105	0.000	-0.130	0.140	-0.427	-0.852	-0.407
Q01730	Rsu1	0.373	0.622	0.000	0.204	-0.850	0.353	0.275	-0.182
O08553	Dpysl2	0.008	0.055	-0.381	0.023	0.000	-0.799	-1.040	-0.780
Q3U7R1	Esyt1	0.377	0.625	-0.054	0.266	0.000	0.169	0.087	0.307
Q9JJX6	P2rx4	0.610	0.885	0.645	-0.068	0.000	0.517	-0.345	-0.170
Q91W90	Txndc5	0.003	0.033	0.000	0.085	-0.303	0.869	0.642	0.871
P28740	Kif2a	0.128	0.291	0.126	0.000	-0.368	-0.159	-0.728	-0.764
Q9WVA4	Tagln2	0.004	0.038	-0.036	0.121	0.000	-0.400	-0.593	-0.378
Q99P72	Rtn4	0.000	0.006	0.000	0.066	-0.069	1.910	1.670	1.840
P09405	Ncl	0.005	0.042	0.000	0.013	-0.184	-0.731	-1.300	-1.140
Q9ERS2	Ndufa13	0.056	0.168	0.038	-0.179	0.000	0.652	0.143	0.876
P29391	Ftl1	0.048	0.152	0.334	-0.304	0.000	-0.448	-1.460	-0.987
P70288	Hdac2	0.731	1.000	0.000	0.251	-0.259	-0.156	-0.163	0.118
Q8VE70	Pdcd10	0.005	0.039	0.000	-0.139	0.036	-0.455	-0.496	-0.690
P19783	Cox4i1	0.004	0.038	0.100	-0.024	0.000	0.711	0.422	0.696
Q9CZ42	Naxd	0.001	0.018	0.148	0.000	-0.050	1.030	0.765	0.960
P61967	Ap1s1	0.008	0.054	0.000	-0.021	0.223	-0.424	-0.864	-0.773
P42225	Stat1	0.005	0.039	-0.079	0.271	0.000	-0.603	-0.992	-0.866
Q9CVB6	Arpc2	0.043	0.142	0.217	-0.103	0.000	0.408	0.250	0.503
Q99LC3	Ndufa10	0.006	0.047	0.000	0.010	-0.249	0.718	0.460	0.860
Q6PFD9	Nup98	0.115	0.270	-0.095	0.000	0.190	-0.155	-0.472	-0.120
Q8R2Y8	Pthr2	0.015	0.077	-0.265	0.190	0.000	1.240	1.150	2.290
P54728	Rad23b	0.023	0.096	-0.121	0.083	0.000	-0.526	-1.300	-0.766
Q9WTM5	Ruvbl2	0.218	0.417	0.000	0.106	-0.153	-0.146	-0.350	-0.056
Q9R1P4	Psma1	0.012	0.067	-0.187	0.086	0.000	-0.997	-2.060	-1.320
Q8R4N0	Clybl	0.061	0.177	0.182	0.000	-0.138	0.704	0.176	0.694
Q91VC3	Elf4a3	0.006	0.046	0.000	-0.016	0.085	-0.409	-0.644	-0.359
O88696	Clpp	0.016	0.078	0.000	0.043	-0.364	0.863	0.401	0.665
P70699	Gaa	0.001	0.022	0.000	-0.360	0.035	1.170	0.910	1.070
Q99NB9	Sf3b1	0.056	0.166	-0.164	0.007	0.000	-0.508	-0.725	-0.208
Q8BHL5	Elmo2	0.073	0.198	-0.116	0.032	0.000	-0.361	-0.697	-1.500
Q9D1Q6	Erp44	0.003	0.033	0.018	0.000	-0.372	0.878	0.686	0.710
D3Z6Q9	Bin2	0.005	0.039	-0.352	0.269	0.000	-1.050	-1.470	-1.300
Q80Y81	Elac2	0.624	0.899	0.000	-0.208	0.155	0.131	-0.831	0.116
P24668	M6pr	0.297	0.524	0.000	-1.460	0.258	0.120	0.295	0.320
Q8BH43	Wasf2	0.373	0.621	-0.073	0.000	0.024	0.173	-0.125	0.272
P61358	Rpl27	0.051	0.157	0.000	0.389	-0.168	0.470	0.530	0.698
Q8BP47	Nars	0.300	0.529	0.063	0.000	-0.627	0.134	-0.049	0.174
P42208	Sept 2	0.001	0.022	0.181	0.000	-0.114	0.895	0.778	1.010
Q9CRD0	Ociad1	0.184	0.372	-0.379	0.247	0.000	-0.636	-0.622	-0.097
Q6PDG5	Smarcc2	0.084	0.220	0.000	-0.027	0.113	-0.028	-0.406	-0.317
Q64105	Spr	0.003	0.033	-0.370	0.096	0.000	-1.650	-1.710	-1.160
P25206	Mcm3	0.066	0.185	0.280	0.000	-0.196	-0.205	-1.110	-0.943
P08752	Gnai2	0.756	1.000	0.074	0.000	-0.107	0.169	-0.194	-0.132
O35382	Exoc4	0.173	0.357	0.171	0.000	-0.131	0.080	-0.688	-0.729
O08788	Dctn1	0.369	0.616	0.018	-0.153	0.000	0.258	-0.787	-0.596
P24161	Cd247	0.811	1.000	-0.617	0.000	0.247	-0.627	0.147	0.420
Q9CW03	Smc3	0.037	0.128	0.000	-0.055	0.001	-0.243	-0.484	-0.187
Q8CIE6	Copa	0.118	0.274	0.168	0.000	-0.012	-0.029	-0.703	-0.326
Q9ESP1	Sdf211	0.816	1.000	0.000	0.023	-0.647	-0.293	-0.576	0.035
P09528	Fth1	0.085	0.220	0.442	-0.233	0.000	-0.225	-1.190	-0.715
Q9DB77	Uqcrc2	0.140	0.306	0.000	0.125	-0.097	0.556	0.046	0.312
O08810	Eftud2	0.022	0.095	0.000	0.151	-0.093	-0.237	-0.287	-0.220
Q8C4Q6	Aida	0.026	0.105	-0.212	0.550	0.000	1.430	1.020	0.842
Q05186	Rcn1	0.000	0.003	-0.133	0.156	0.000	3.830	3.540	3.760

Q8K183	Pdxk	0.017	0.081	0.000	-0.383	0.018	-0.842	-1.590	-1.010
P17710	Hk1	0.085	0.221	-0.211	0.114	0.000	-0.278	-0.528	-0.214
Q61425	Hadh	0.375	0.623	-0.733	0.214	0.000	0.578	0.284	-0.255
Q8C570	Rae1	0.961	1.000	-0.124	0.114	0.000	-0.099	0.017	0.085
O54941	Smarce1	0.092	0.232	-0.025	0.000	0.203	-0.414	-0.671	-0.041
Q9Z1Q2	Abhd16a	0.066	0.186	0.213	-0.145	0.000	0.518	0.389	1.190
P10518	Alad	0.007	0.050	0.086	-0.152	0.000	-1.240	-2.500	-1.940
Q9Z1Z2	Strap	0.011	0.064	0.000	-0.050	0.159	-0.265	-0.534	-0.473
Q99MN9	Pccb	0.003	0.032	0.000	0.238	-0.023	0.894	0.712	1.040
Q9DBG3	Ap2b1	0.155	0.329	0.000	0.158	-0.099	0.695	0.126	0.236
Q8VDN2	Atp1a1	0.012	0.069	-0.147	0.017	0.000	0.628	0.290	0.682
P14901	Hmox1	0.394	0.643	0.207	0.000	-0.907	-0.150	-0.921	-0.834
O35083	Agpat1	0.035	0.123	0.411	0.000	-0.054	1.020	0.828	0.500
Q3U1F9	Pag1	0.317	0.550	0.105	-0.106	0.000	-0.473	-0.720	0.213
Q8BZN6	Dock10	0.210	0.406	-0.532	0.000	0.228	-0.481	-1.600	-0.303
P24063	Itgal	0.054	0.163	-0.246	0.010	0.000	-0.641	-0.514	-0.247
Q8BMS1	Hadha	0.932	1.000	0.027	0.000	-0.269	0.492	-0.475	-0.178
Q9R1T4	Sept 6	0.016	0.078	-0.316	0.001	0.000	-0.583	-0.779	-0.525
P38060	Hmgcl	0.061	0.177	0.000	0.148	-0.178	0.592	0.202	0.328
Q61191	Hcfc1	0.920	1.000	-0.021	0.000	0.544	0.085	-0.064	0.590
P06151	Ldha	0.001	0.018	-0.165	0.115	0.000	-0.980	-1.190	-0.934
Q9CZ13	Uqcrc1	0.015	0.076	0.081	0.000	-0.051	0.660	0.292	0.464
Q3TDQ1	Stt3b	0.003	0.031	0.054	0.000	-0.451	1.190	0.890	1.070
Q922W5	Pycr1	0.000	0.014	0.208	0.000	-0.219	2.510	1.920	2.420
Q91W39	Ncoa5	0.060	0.175	0.026	0.000	-0.041	-0.220	-0.959	-0.518
P63168	Dynl1	0.922	1.000	0.502	-0.203	0.000	0.013	-0.054	0.267
Q9EQH3	Vps35	0.223	0.424	0.352	-0.082	0.000	0.112	-0.639	-0.304
P97287	Mcl1	0.225	0.427	0.197	0.000	-0.777	0.487	-0.153	1.300
P50544	Acadvl	0.245	0.456	0.000	0.061	-0.285	0.866	-0.022	0.132
Q9DC51	Gnai3	0.950	1.000	0.028	-0.131	0.000	0.178	-0.388	0.145
Q8BK64	Ahsa1	0.072	0.197	0.000	0.218	-0.021	-0.131	-1.130	-0.729
Q9WTX5	Skp1	0.009	0.057	0.000	0.142	-0.147	-0.508	-0.496	-0.360
P42209	Sept 1	0.040	0.135	-0.383	0.163	0.000	-0.531	-0.641	-0.536
P32233	Drg1	0.735	1.000	0.167	-0.118	0.000	0.094	-0.600	0.256
P26043	Rdx	0.042	0.138	0.000	0.671	-0.017	0.763	1.170	1.520
P63158	Hmgb1	0.474	0.734	0.000	-0.236	0.219	0.196	-0.585	-0.247
Q9R1C7	Prpf40a	0.057	0.169	0.000	0.036	-0.175	-0.196	-0.679	-0.769
P62192	Psmc1	0.016	0.078	0.000	0.007	-0.059	-0.317	-0.671	-0.390
Q61656	Ddx5	0.021	0.090	0.145	0.000	-0.259	-0.449	-0.909	-0.754
Q8CAQ8	Immt	0.003	0.032	0.000	0.109	-0.145	0.915	0.583	0.795
P56480	Atp5b	0.009	0.057	0.000	0.258	-0.162	0.723	0.568	0.808
P60867	Rps20	0.015	0.077	0.165	0.000	-0.084	-0.470	-0.687	-0.324
Q9QXZ0	Macf1	0.523	0.789	0.215	-0.056	0.000	0.505	-0.100	0.160
P97351	Rps3a	0.907	1.000	0.091	-0.290	0.000	0.303	-0.279	-0.309
Q8CEC0	Nup88	0.199	0.394	-0.116	0.129	0.000	-0.168	-0.370	-0.019
Q8R5J9	Arl6ip5	0.031	0.115	-0.357	0.100	0.000	0.322	0.545	0.805
Q64514	Tpp2	0.416	0.669	0.008	0.000	-1.190	-0.674	-0.816	-0.777
Q6GQT9	Nomo1	0.001	0.018	0.066	0.000	-0.516	2.070	1.620	1.860
Q9CYG7	Tom34	0.013	0.071	-0.013	0.210	0.000	-0.338	-0.800	-0.588
Q9Z329	Itpr2	0.713	0.989	-0.251	0.000	0.041	-0.190	-0.184	0.027
Q8CCJ3	Ufl1	0.399	0.650	0.000	-0.401	0.074	-0.084	-0.609	-0.240
P46460	Nsf	0.134	0.298	0.377	0.000	-0.134	0.037	-0.914	-0.723
P61164	Actr1a	0.105	0.252	0.017	-0.031	0.000	-0.230	-0.245	-0.015
O35857	Timm44	0.016	0.078	0.231	0.000	-0.162	0.827	0.450	0.765
Q3THE2	Myl12b	0.009	0.056	-0.141	0.510	0.000	0.987	1.260	1.210
Q60972	Rbbp4	0.188	0.378	-0.072	0.000	0.231	-0.232	-0.800	-0.009
P09411	Pgk1	0.021	0.091	0.132	-0.121	0.000	-0.542	-1.100	-0.544
Q9WUQ2	Preb	0.007	0.048	-0.081	0.122	0.000	0.725	0.406	0.640
Q8CC88	Vwa8	0.942	1.000	0.000	0.045	-0.313	0.847	-0.752	-0.481

Q9D7N9	Apmap	0.049	0.154	0.018	0.000	-0.061	0.406	0.078	0.386
O54782	Man2b2	0.003	0.033	0.000	0.230	-0.073	-1.030	-1.770	-1.620
P80316	Cct5	0.042	0.140	0.066	-0.104	0.000	-0.220	-0.838	-0.649
Q8BMJ2	Lars	0.881	1.000	0.252	0.000	-0.100	0.278	-0.242	0.028
Q9DBZ1	lkbip	0.000	0.002	0.000	-0.098	0.101	6.270	5.940	6.260
P43406	ltgav	0.000	0.013	0.172	-0.250	0.000	2.300	1.820	2.020
P10711	Tcea1	0.098	0.242	0.028	-0.179	0.000	-0.348	-0.662	-0.165
Q9D2V8	Mfsd10	0.007	0.051	0.000	0.022	-0.232	0.826	0.424	0.713
Q91VD9	Ndufs1	0.002	0.025	0.000	0.197	-0.065	0.847	0.648	0.786
Q9D2V7	Coro7	0.000	0.008	0.000	-0.014	0.005	-1.400	-1.690	-1.670
Q8BFR5	Tufm	0.440	0.697	0.165	0.000	-0.339	0.256	-0.698	-0.598
P47911	Rpl6	0.036	0.126	0.095	0.000	-0.087	0.610	0.185	0.488
Q14C51	Ptcd3	0.001	0.019	0.000	0.011	-0.187	0.717	0.554	0.741
P62814	Atp6v1b2	0.820	1.000	0.689	0.000	-0.027	0.606	-0.188	-0.001
Q9WV55	Vapa	0.035	0.124	0.000	0.399	-0.125	0.518	0.621	0.719
P49718	Mcm5	0.432	0.688	0.140	0.000	-0.032	0.135	-0.802	-0.001
P97760	Polr2c	0.231	0.436	-0.024	0.099	0.000	-0.330	-1.380	0.008
P10605	Ctsb	0.113	0.266	0.436	0.000	-0.385	-0.190	-1.040	-0.842
Q9CU62	Smc1a	0.086	0.222	0.000	-0.003	0.011	-0.155	-0.506	-0.143
P97855	G3bp1	0.321	0.557	0.068	-0.159	0.000	-0.136	-1.010	-0.025
Q6PDQ2	Chd4	0.367	0.615	0.000	-0.102	0.117	-0.201	-0.551	0.134
Q3TBD2	Hmha1	0.000	0.014	0.000	-0.131	0.051	-1.160	-1.530	-1.440
P26450	Pik3r1	0.468	0.727	0.000	0.958	-0.100	-0.021	0.030	0.038
Q62087	Pon3	0.014	0.073	-0.127	0.000	0.034	0.275	0.248	0.476
Q7TMK9	Syncrip	0.677	0.953	0.000	0.301	-0.343	0.126	-0.176	0.326
Q9CZX9	Emc4	0.015	0.076	-0.448	0.367	0.000	0.940	1.180	0.890
Q91VK1	Bzw2	0.115	0.269	0.350	0.000	-0.019	-0.027	-0.652	-0.298
Q3TKT4	Smarca4	0.343	0.583	0.057	-0.076	0.000	0.065	-0.478	-0.132
Q9DB85	Rrp8	0.469	0.728	-0.371	0.000	0.165	-0.132	-0.454	-0.090
P17427	Ap2a2	0.383	0.632	0.415	0.000	-0.703	0.757	-0.016	0.153
Q99L47	St13	0.014	0.072	-0.081	0.036	0.000	-0.526	-1.130	-0.692
Q99P58	Rab27b	0.322	0.557	0.000	0.955	-1.050	-0.404	-0.436	-1.680
P50580	Pa2g4	0.244	0.454	0.328	-0.040	0.000	0.166	-0.734	-0.310
Q8R0G9	Nup133	0.563	0.832	0.000	-0.023	0.096	0.037	-0.449	0.137
Q9QX60	Dguok	0.708	0.984	-0.077	0.150	0.000	0.045	-0.050	0.196
Q9JL8	Sars2	0.446	0.703	0.281	0.000	-0.050	0.559	-0.022	0.196
Q8CGC7	Eprs	0.795	1.000	0.120	0.000	-0.150	0.337	-0.462	-0.109
P57780	Actn4	0.021	0.091	-0.172	0.037	0.000	-0.274	-0.547	-0.455
P14152	Mdh1	0.000	0.009	-0.168	0.000	0.080	-1.560	-1.840	-1.800
Q6P4T2	Snrnp200	0.013	0.069	-0.020	0.137	0.000	-0.250	-0.524	-0.332
Q99JR1	Sfxn1	0.018	0.083	0.000	0.180	-0.179	0.403	0.408	0.393
Q9DCD0	Pgd	0.071	0.195	0.917	0.000	-0.095	-0.280	-1.050	-0.718
Q9Z0H3	Smarca1	0.030	0.113	0.000	-0.066	0.179	-0.294	-0.516	-0.219
O89086	Rbm3	0.009	0.056	-0.209	0.057	0.000	-0.430	-0.622	-0.681
Q922V4	Plrg1	0.064	0.181	0.000	0.843	-0.233	-0.721	-0.595	-0.591
Q6A026	Pds5a	0.449	0.707	-0.685	0.000	0.044	-0.448	-0.612	-0.234
Q80Y14	Glx5	0.112	0.265	0.079	0.000	-0.218	0.910	0.185	0.266
P50136	Bckdha	0.099	0.243	0.031	0.000	-0.341	0.421	0.014	0.389
Q31125	Slc39a7	0.027	0.105	0.000	-0.045	0.406	0.591	0.957	1.230
P54071	Idh2	0.004	0.036	0.054	0.000	-0.276	1.440	0.889	0.986
F7BJB9	Morc3	0.118	0.274	0.164	-0.166	0.000	-0.243	-0.973	-0.297
Q61584	Fxr1	0.129	0.291	-0.026	0.120	0.000	-0.203	-0.299	0.011
Q921T2	Tor1aip1	0.690	0.965	-0.053	0.000	0.307	0.445	-0.208	0.311
Q7TT37	lkbkap	0.264	0.481	0.088	0.000	-0.089	0.136	-0.527	-0.447
Q9EQ61	Pes1	0.132	0.295	0.201	0.000	-0.198	-0.092	-0.992	-0.526
Q8C1A5	Thop1	0.006	0.046	0.158	-0.220	0.000	-0.983	-1.770	-1.750
O55222	Ilk	0.020	0.087	0.022	0.000	-0.417	0.976	0.527	0.493
Q91VV4	Dennd2d	0.016	0.079	-0.287	0.000	0.220	-0.634	-0.864	-0.591
Q80XI4	Pip4k2b	0.801	1.000	0.042	-0.073	0.000	0.261	-0.324	-0.109



Q91V41	Rab14	0.967	1.000	0.000	0.178	-0.083	0.345	-0.065	-0.209
P56960	Exosc10	0.282	0.506	0.835	0.000	-0.252	0.633	0.441	0.788
Q8BXA1	Golim4	0.007	0.050	0.892	0.000	-0.477	2.510	2.100	2.200
Q9WTP7	Ak3	0.037	0.129	-0.146	0.101	0.000	0.809	0.233	0.598
Q3U0V1	Khsrp	0.421	0.676	-0.157	0.000	0.015	-0.296	-0.296	0.081
O54692	Zw10	0.471	0.730	0.324	-0.222	0.000	0.295	0.022	0.210
Q9DBR7	Ppp1r12a	0.013	0.071	-0.181	0.000	0.044	-0.554	-1.010	-0.600
Q61881	Mcm7	0.037	0.127	0.253	0.000	-0.194	-0.352	-1.070	-0.804
Q9EP69	Sacm1l	0.008	0.051	-0.137	0.052	0.000	0.613	0.321	0.520
P63330	Ppp2ca	0.032	0.118	0.000	-0.177	0.241	-0.502	-0.750	-0.337
Q9CQE5	Rgs10	0.001	0.018	-0.183	0.000	0.053	-1.900	-1.880	-1.380
Q6NVE9	Pptc7	0.557	0.825	0.000	-0.054	0.016	0.205	-0.490	-0.140
Q7TMF3	Ndufa12	0.011	0.064	-0.161	0.000	0.141	0.792	0.547	1.110
O35874	Slc1a4	0.008	0.051	-2.820	0.000	0.039	3.660	3.800	3.980
P11032	Gzma	0.448	0.706	-1.520	0.000	0.204	-1.490	-1.050	-0.367
Q80VW7	Akna	0.096	0.238	-0.012	0.069	0.000	-0.965	-1.600	-0.137
Q921M7	Fam49b	0.000	0.009	0.127	0.000	-0.104	-1.080	-1.160	-1.120
O35465	Fkbp8	0.521	0.786	0.000	0.167	-0.029	0.317	-0.227	-0.452
P12970	Rpl7a	0.049	0.154	0.141	-0.105	0.000	0.570	0.175	0.428
O35643	Ap1b1	0.185	0.374	0.145	0.000	-0.102	-0.013	-0.683	-0.260
P61982	Ywhag	0.016	0.078	0.076	0.000	-0.065	-0.399	-0.977	-0.678
Q9CXY6	Ilf2	0.540	0.807	0.000	0.631	-0.035	-0.337	0.060	0.300
O70503	Hsd17b12	0.014	0.072	0.001	0.000	-0.328	1.430	0.851	0.653
Q62376	Snmp70	0.125	0.285	-0.253	0.000	1.590	-0.713	-0.893	-0.482
P62702	Rps4x	0.826	1.000	0.036	0.000	-0.324	0.307	-0.757	-0.072
Q61029	Tmpo	0.756	1.000	-0.325	0.000	0.312	-0.177	-0.353	0.258
Q8K3G5	Vrk3	0.070	0.193	-0.071	0.000	0.328	-0.503	-0.539	-0.092
Q8R016	Blmh	0.021	0.091	-0.097	0.256	0.000	-1.320	-1.100	-0.472
A2AF47	Dock11	0.001	0.018	0.000	0.134	-0.011	-0.552	-0.771	-0.648
Q9EQQ9	Mgea5	0.066	0.186	-0.118	0.185	0.000	-0.295	-0.900	-0.343
Q8VCW4	Unc93b1	0.699	0.975	0.532	-0.017	0.000	0.616	0.022	0.192
Q60932	Vdac1	0.006	0.046	0.000	0.313	-0.052	1.240	1.010	1.700
P68040	Rack1	0.095	0.237	0.132	0.000	-0.220	-0.151	-0.721	-0.490
Q6ZQI3	Mlec	0.323	0.558	0.076	0.000	-0.122	1.290	-0.531	1.210
Q60597	Ogdh	0.007	0.048	0.000	0.045	-0.239	0.747	0.432	0.587
Q61316	Hspa4	0.002	0.027	0.000	-0.007	0.001	-0.700	-1.140	-0.857
P26369	U2af2	0.063	0.181	0.204	0.000	-0.149	-0.162	-0.840	-0.740
Q9ESZ8	Gtf2i	0.049	0.154	-0.230	0.072	0.000	-0.284	-0.490	-0.318
O08900	Ikzf3	0.585	0.857	-0.536	0.000	0.072	-0.517	-0.398	0.008
Q99P88	Nup155	0.894	1.000	-0.030	0.199	0.000	0.139	-0.001	-0.006
Q99K85	Psat1	0.006	0.044	0.000	0.027	-0.015	-0.509	-0.996	-0.778
Q69Z99	Znf512	0.404	0.655	-0.111	0.000	0.395	-0.071	-0.745	0.203
Q78IK4	Apool	0.010	0.060	-0.062	0.205	0.000	0.712	0.459	0.823
P35821	Ptpn1	0.031	0.116	-0.040	0.235	0.000	-0.162	-0.284	-0.302
Q91YT0	Ndufv1	0.001	0.019	0.000	0.034	-0.076	0.817	0.553	0.688
Q91ZA3	Pcca	0.004	0.037	0.000	0.273	-0.086	0.822	0.667	0.847
P46471	Psmc2	0.133	0.297	0.000	0.036	-0.095	-0.069	-0.984	-0.512
Q65Z40	Wapl	0.122	0.280	0.000	0.100	-0.214	-0.278	-0.555	-0.160
Q5SSI6	Utp18	0.118	0.274	0.035	0.000	-0.326	-0.227	-0.724	-0.437
Q61464	Znf638	0.087	0.224	-0.106	0.232	0.000	-0.212	-0.535	-0.164
Q8VDP4	Ccar2	0.001	0.019	-0.213	0.000	0.026	-1.020	-1.310	-1.030
P54923	Adprh	0.020	0.089	-0.015	0.000	0.174	-1.590	-3.200	-1.430
Q9QZQ8	H2afy	0.640	0.916	0.308	-0.121	0.000	0.027	0.161	0.210
Q3UV70	Pdp1	0.009	0.056	-0.168	0.000	0.071	0.763	0.401	0.775
Q922D8	Mthfd1	0.080	0.212	0.193	0.000	-0.406	-0.292	-0.898	-0.884
Q6ZQ38	Cand1	0.009	0.057	-0.021	0.028	0.000	-0.389	-0.813	-0.557
P02468	Lamc1	0.000	0.011	0.000	0.405	-0.653	4.850	4.390	4.910
Q9WUP7	Uchl5	0.001	0.022	0.106	0.000	-0.173	-0.684	-0.856	-0.786
O70133	Dhx9	0.008	0.054	-0.147	0.112	0.000	-0.357	-0.417	-0.383

P57776	Eef1d	0.010	0.058	0.131	-0.085	0.000	-0.355	-0.700	-0.662
Q9D1J1	Necap2	0.072	0.197	0.000	0.059	-0.305	-0.584	-0.378	-1.140
P51174	Acadl	0.039	0.132	0.000	0.343	-0.012	0.526	0.424	0.475
Q8VI75	Ipo4	0.133	0.296	0.315	-0.020	0.000	1.170	0.277	0.490
O55131	Sept 7	0.373	0.621	0.000	0.100	-0.111	0.425	-0.163	0.292
Q9D0F3	Lman1	0.008	0.054	0.000	0.082	-0.462	2.150	1.680	1.050
P06797	Ctsl	0.055	0.166	0.060	-0.053	0.000	-0.223	-0.865	-0.442
Q8K4Z3	Naxe	0.013	0.071	0.012	0.000	-0.125	0.324	0.340	0.156
P26638	Sars	0.134	0.298	0.000	0.015	-0.002	-0.210	-0.327	0.004
Q9ERK4	Cse1l	0.041	0.138	0.073	-0.029	0.000	-0.350	-1.430	-0.960
Q9R233	Tapbp	0.550	0.819	-0.278	0.096	0.000	-0.148	-0.045	-0.232
Q78ZA7	Nap1l4	0.009	0.056	-0.293	0.000	0.003	-0.919	-1.530	-0.967
Q9D7S9	Chmp5	0.646	0.923	0.226	-2.780	0.000	-0.323	-0.670	-0.105
Q8CHY6	Gatad2a	0.072	0.196	-0.214	0.000	0.239	-0.313	-1.050	-0.493
Q5SQX6	Cyfp2	0.133	0.297	0.000	-0.073	0.396	-0.157	-0.338	-0.099
Q61103	Dpf2	0.005	0.039	-0.147	0.000	0.059	-0.516	-0.628	-0.419
Q80TH2	Erbin	0.102	0.248	0.004	0.000	-0.191	0.359	-0.014	0.435
Q9DB29	Iah1	0.002	0.024	-0.084	0.000	0.019	-0.725	-1.100	-0.844
P08775	Polr2a	0.010	0.059	0.000	-0.066	0.050	-0.270	-0.476	-0.290
A2ADY9	Ddi2	0.042	0.140	0.078	-0.450	0.000	-0.584	-1.520	-1.060
Q9Z0M6	Cd97	0.222	0.423	0.067	-0.258	0.000	-0.186	-0.412	-0.150
Q99KI0	Aco2	0.135	0.299	0.000	0.042	-0.166	0.553	0.087	0.138
P26443	Glud1	0.007	0.048	-0.208	0.207	0.000	0.756	0.579	0.813
P01899	H2-D1	0.854	1.000	0.000	0.322	-0.021	0.070	0.088	0.212
Q9QWR8	Naga	0.347	0.588	0.711	-0.217	0.000	0.309	-0.481	-0.619
P56395	Cyb5a	0.102	0.247	0.000	0.774	-0.122	0.724	0.805	0.954
Q9QYC0	Add1	0.099	0.243	0.258	-0.225	0.000	-0.105	-0.792	-0.814
Q9DBS1	Tmem43	0.001	0.019	0.127	-0.398	0.000	1.340	1.310	1.460
Q8CCF0	Prpf31	0.340	0.579	0.000	-0.040	0.902	0.248	-0.333	-0.206
Q8BMF4	Dlat	0.002	0.025	0.000	0.245	-0.071	1.060	0.823	1.080
P70398	Usp9x	0.156	0.330	0.000	0.167	-0.051	0.059	-0.847	-0.528
P09103	P4hb	0.001	0.019	0.181	0.000	-0.258	1.550	1.180	1.470
P46062	Sipa1	0.122	0.280	0.000	-0.687	0.146	-1.190	-0.856	-0.453
Q8BRH0	Tmtc3	0.001	0.019	-0.049	0.564	0.000	2.350	1.990	2.490
Q9Z2I9	Sucla2	0.144	0.311	0.045	0.000	-0.226	0.968	0.063	0.320
Q9DCS9	Ndufb10	0.006	0.043	0.000	0.250	-0.106	0.628	0.918	0.805
P17751	Tpi1	0.001	0.019	-0.153	0.052	0.000	-1.010	-1.410	-1.170
Q99MN1	Kars	0.095	0.237	0.000	0.246	-0.487	-0.474	-0.558	-0.660
Q8C3X8	Lmf2	0.001	0.022	-0.449	0.291	0.000	1.800	2.180	2.370
Q8R123	Flad1	0.186	0.376	0.107	0.000	-0.001	-0.107	-0.914	-0.144
Q8VCT3	Rnpep	0.006	0.047	0.307	0.000	-0.067	-0.773	-1.480	-1.230
Q8BGW0	Themis	0.127	0.288	-1.320	0.000	0.443	-1.890	-1.260	-1.100
Q8CI94	Pygb	0.009	0.058	-0.215	0.120	0.000	-0.661	-1.230	-0.895
P70295	Aup1	0.223	0.424	-0.237	0.153	0.000	0.075	0.109	0.499
Q8BSY0	Asph	0.000	0.014	0.141	0.000	-0.607	3.050	2.490	2.970
Q91WJ8	Fubp1	0.460	0.719	-0.102	0.177	0.000	-0.201	-0.216	0.143
Q8VBT0	Tmx1	0.047	0.149	0.000	0.316	-0.123	0.858	0.556	0.392
P10852	Slc3a2	0.031	0.115	0.358	-0.051	0.000	1.070	0.533	0.706
Q6NV83	U2surp	0.018	0.083	0.000	0.005	-0.147	-0.422	-0.985	-0.714
Q61937	Npm1	0.054	0.164	0.268	-0.137	0.000	-0.286	-1.550	-1.340
Q9JMH6	Txnrd1	0.030	0.114	0.000	-0.115	0.093	-0.408	-1.270	-1.320
Q8VEK3	Hnrnpu	0.023	0.096	0.000	0.135	-0.052	-0.278	-0.465	-0.202
P62843	Rps15	0.638	0.914	0.152	-0.159	0.000	0.269	-0.156	0.113
P08207	S100a10	0.150	0.321	-1.010	0.000	0.570	0.678	0.482	0.974
Q9CSH3	Dis3	0.019	0.087	-0.143	0.044	0.000	-0.478	-0.855	-0.426
Q3UZA1	Rcsd1	0.010	0.060	0.278	-0.314	0.000	-0.995	-1.930	-1.520
Q8BP92	Rcn2	0.000	0.011	-0.104	0.495	0.000	3.300	2.950	3.320
P51150	Rab7a	0.539	0.807	0.095	0.000	-0.023	0.282	-0.085	0.100
Q35226	Psmd4	0.124	0.283	0.193	0.000	-0.170	-0.493	-1.620	-0.319

P42669	Pura	0.003	0.033	-0.125	0.129	0.000	-0.642	-0.748	-0.504
Q9D2G2	Dist	0.003	0.033	0.000	0.150	-0.204	0.862	0.626	0.867
Q9CRB2	Nhp2	0.145	0.314	0.135	-0.347	0.000	-0.114	-0.877	-0.684
Q9WV32	Arpc1b	0.004	0.034	0.000	-0.036	0.060	0.284	0.204	0.307
Q8CDM1	Atad2	0.200	0.394	-0.108	0.046	0.000	-0.369	-0.528	0.035
Q9D154	Serpib1a	0.050	0.155	1.640	0.000	-0.016	-0.530	-1.950	-1.950
Q8BVE3	Atp6v1h	0.761	1.000	0.447	0.000	-0.035	0.476	-0.415	0.057
O09110	Map2k3	0.051	0.158	0.000	0.028	-0.378	0.174	0.286	0.414
P14206	Rpsa	0.136	0.301	0.104	-0.167	0.000	-0.043	-0.645	-0.462
P62849	Rps24	0.381	0.630	0.000	0.389	-0.243	0.128	0.548	0.148
Q8K224	Nat10	0.136	0.300	0.000	0.122	-0.081	0.017	-0.643	-0.503
P63101	Ywhaz	0.001	0.015	0.000	-0.021	0.113	-1.140	-1.610	-1.370
Q80ZK0	Mrps10	0.027	0.107	0.000	0.562	-0.484	1.350	0.904	1.690
O08547	Sec22b	0.089	0.229	-0.213	0.184	0.000	0.660	0.106	0.678
Q9WTQ5	Akap12	0.001	0.019	0.602	0.000	-1.060	4.110	3.850	4.090
P37040	Por	0.001	0.018	0.000	0.126	-0.066	0.875	0.704	0.940
P05064	Aldoa	0.039	0.132	0.022	-0.139	0.000	-0.265	-0.709	-0.415
Q8CGY8	Ogt	0.046	0.149	0.000	-0.266	0.000	-0.418	-0.946	-0.498
P00920	Ca2	0.051	0.158	0.887	0.000	-0.365	-0.645	-2.020	-2.740
Q9CRB9	Chchd3	0.005	0.039	-0.052	0.233	0.000	0.868	0.646	1.000
P63017	Hspa8	0.008	0.054	0.046	0.000	-0.090	-0.386	-0.759	-0.718
Q9DAM5	Slc25a19	0.512	0.776	0.000	0.235	-0.215	0.146	0.162	-1.530
Q8BG32	Psm11	0.097	0.240	0.000	0.008	-0.152	-0.205	-0.649	-0.258
Q9Z2U0	Psm7	0.001	0.015	-0.029	0.109	0.000	-1.070	-1.380	-1.020
Q7M6Y3	Picalm	0.391	0.640	-0.430	1.660	0.000	1.050	1.440	0.683
Q8BVK9	Sp110	0.142	0.309	-0.296	0.000	0.048	-0.447	-0.417	-0.158
Q99J39	Mlycd	0.122	0.280	0.000	0.662	-0.127	0.733	0.678	0.583
A2AN08	Ubr4	0.208	0.404	0.203	0.000	-0.345	0.064	-0.983	-0.892
Q9EPK7	Xpo7	0.014	0.072	0.000	-0.014	0.137	-0.561	-1.410	-1.080
Q9DAW9	Cnn3	0.001	0.019	1.350	0.000	-0.597	6.050	5.170	5.740
Q9CQ65	Mtap	0.004	0.036	0.000	-0.105	0.108	-1.190	-1.490	-0.845
Q99LI7	Cstf3	0.246	0.457	-0.352	0.110	0.000	-0.471	-0.629	-0.048
Q9D0I9	Rars	0.267	0.485	0.171	0.000	-0.071	0.100	-0.634	-0.231
P08228	Sod1	0.000	0.013	-0.224	0.010	0.000	-1.080	-1.290	-1.170
Q99LC5	Etf1	0.310	0.542	0.000	0.213	-0.198	0.705	-0.164	0.467
Q6DIC0	Smarca2	0.021	0.090	0.000	0.161	-0.064	-0.474	-0.802	-0.336
Q8CFE3	Rcor1	0.012	0.068	0.000	-0.039	0.014	-0.534	-1.040	-0.568
P61965	Wdr5	0.036	0.125	0.000	-0.113	0.084	-0.312	-0.817	-0.427
Q9CQQ7	Atp5f1	0.000	0.014	0.081	0.000	-0.116	1.040	0.810	0.987
Q8R1Q8	Dync1li1	0.384	0.633	0.000	-0.009	0.173	0.263	-0.011	0.215
Q9CQF3	Nudt21	0.017	0.080	0.226	0.000	-0.079	-0.412	-0.346	-0.277
Q60864	Stip1	0.004	0.035	-0.047	0.027	0.000	-0.677	-1.220	-1.030
Q8CFI7	Polr2b	0.032	0.118	-0.057	0.000	0.025	-0.407	-0.600	-0.191
Q8K124	Plekho2	0.967	1.000	0.080	-0.182	0.000	0.317	-0.430	-0.020
Q8BH04	Pck2	0.009	0.056	0.068	0.000	-0.323	1.320	0.741	0.823
Q99PT1	Arhgdia	0.005	0.039	-0.050	0.000	0.040	-1.120	-1.610	-0.907
Q9JL26	Fmnl1	0.003	0.033	-0.034	0.000	0.049	-0.746	-1.290	-0.945
Q9Z0V7	Timm17b	0.705	0.982	0.000	-0.059	0.096	0.339	-0.298	0.243
Q9WTQ8	Timm23	0.001	0.017	0.000	0.198	-0.057	0.799	0.774	0.865
P28352	Apex1	0.028	0.107	0.000	-0.288	0.047	-0.452	-0.881	-0.582
O88874	Ccnk	0.240	0.449	0.303	-0.212	0.000	-1.210	-0.367	0.032
Q8R2E9	Ero1b	0.121	0.278	0.069	0.000	-0.488	-0.320	-0.915	-0.631
Q80XN0	Bdh1	0.208	0.404	0.000	0.147	-0.057	0.047	-0.615	-0.246
Q9CWJ9	Atic	0.007	0.048	0.044	-0.094	0.000	-0.791	-1.580	-1.370
Q3TEA8	Hp1bp3	0.107	0.256	-0.152	0.000	0.110	-0.294	-0.484	-0.100
Q61081	Cdc37	0.002	0.027	0.019	0.000	-0.009	-0.837	-1.370	-1.050
Q61543	Glg1	0.076	0.203	-0.003	1.010	0.000	1.350	1.020	1.130
P19426	Nelfe	0.017	0.081	-0.074	0.000	0.154	-0.345	-0.656	-0.356
P27612	Plaa	0.023	0.096	-0.191	0.007	0.000	-0.710	-1.900	-1.320

Q9CXI5	Manf	0.067	0.186	0.000	0.366	-0.328	0.585	0.395	0.788
Q3TCN2	Plbd2	0.916	1.000	0.612	-0.005	0.000	0.484	-0.125	0.341
P27546	Map4	0.159	0.336	-0.314	0.000	0.103	0.247	0.014	0.453
A2AR02	Ppig	0.007	0.048	0.137	0.000	-0.311	-0.770	-1.200	-1.030
Q9DCH4	Eif3f	0.200	0.395	0.000	0.017	-0.327	-0.119	-0.590	-0.416
Q61598	Gdi2	0.000	0.013	-0.038	0.000	0.024	-0.676	-0.913	-0.798
Q8BVI4	Qdpr	0.149	0.319	0.000	-0.293	0.016	-0.220	-0.562	-0.276
Q9CQ62	Decr1	0.431	0.687	-0.053	0.110	0.000	0.728	-0.038	0.024
P58681	Tlr7	0.683	0.960	0.829	-0.061	0.000	0.779	0.114	0.332
Q6GV12	Kdsr	0.056	0.168	-1.720	0.162	0.000	0.995	0.983	1.380
Q8VEK0	Tmem30a	0.141	0.308	0.264	0.000	-0.064	0.477	0.148	0.337
Q8CDG3	Vcpip1	0.072	0.197	-0.095	0.062	0.000	-0.188	-1.310	-0.985
P62754	Rps6	0.169	0.350	0.062	-0.038	0.000	0.478	-0.019	0.316
Q8VBZ3	Cipltm1	0.007	0.050	0.000	0.091	-0.179	0.984	0.517	0.882
Q8VDM6	Hnrnpul1	0.168	0.350	0.000	0.612	-0.432	-0.761	-0.381	-0.344
Q569Z5	Ddx46	0.021	0.092	0.180	-0.247	0.000	-0.684	-1.790	-1.560
O35286	Dhx15	0.013	0.071	-0.082	0.000	0.065	-0.392	-0.774	-0.454
Q9JM14	Nt5c	0.002	0.023	-0.329	0.393	0.000	-1.550	-1.680	-1.570
O08539	Bin1	0.015	0.076	-0.300	0.232	0.000	-0.726	-1.520	-1.220
Q9WV85	Nme3	0.093	0.234	0.001	-0.129	0.000	-0.343	-0.578	-0.122
Q91YW3	Dnajc3	0.001	0.022	0.000	0.021	-0.207	1.010	0.731	0.763
Q9CT10	Ranbp3	0.004	0.038	-0.211	0.000	0.146	-1.020	-1.690	-1.230
Q8K1B8	Fermt3	0.253	0.466	0.000	0.165	-0.366	-0.172	-0.300	-0.423
P47962	Rpl5	0.228	0.432	0.125	-0.082	0.000	0.097	-0.370	-0.689
Q9Z1G4	Atp6v0a1	0.225	0.427	0.713	-0.329	0.000	2.070	-0.094	1.480
Q9EQK5	Mvp	0.055	0.166	-0.217	0.000	0.037	0.473	0.098	0.340
Q99J99	Mpst	0.334	0.571	0.163	0.000	-0.160	0.378	-0.932	-0.891
Q9D967	Mdp1	0.009	0.057	-0.283	0.000	0.020	-2.080	-3.970	-2.490
O88487	Dync1i2	0.412	0.665	0.000	0.172	-0.041	0.321	-0.021	0.156
Q8C129	Lnpep	0.689	0.965	0.030	0.000	-0.056	0.124	-0.155	0.131
Q3UQ84	Tars2	0.008	0.053	0.000	0.010	-0.095	0.543	0.329	0.293
Q8CD10	Micu2	0.000	0.014	-0.023	0.080	0.000	1.030	0.770	0.952
P61290	Psme3	0.001	0.021	0.000	0.420	-0.049	-1.120	-1.150	-1.340
Q8JZN5	Acad9	0.215	0.412	0.000	0.153	-0.210	0.571	0.123	0.083
Q8CJF7	Ahctf1	0.969	1.000	-0.733	0.000	0.004	-0.494	-0.354	0.158
P35293	Rab18	0.022	0.093	0.000	0.058	-0.235	0.574	0.244	0.439
Q9JLI8	Sart3	0.010	0.058	0.000	0.228	-0.111	-0.934	-1.600	-0.875
Q08288	Lyar	0.211	0.408	0.005	0.000	-0.310	-0.096	-0.931	-0.453
P53994	Rab2a	0.195	0.387	0.000	0.207	-0.108	0.262	0.082	0.656
P62774	Mtpn	0.005	0.041	0.000	-0.056	0.340	-0.915	-1.670	-1.290
Q7TQI3	Otub1	0.007	0.048	0.000	-0.084	0.037	-0.752	-1.500	-1.260
P58252	Eef2	0.192	0.384	0.070	0.000	-0.273	-0.046	-0.716	-0.492
Q91V61	Sfxn3	0.006	0.043	-0.166	0.192	0.000	0.721	0.546	0.762
Q68FD5	Cltc	0.377	0.625	0.000	0.035	-0.230	0.063	-0.437	-0.339
P68510	Ywhah	0.001	0.015	-0.038	0.020	0.000	-0.755	-1.060	-0.878
Q91WD5	Ndufs2	0.006	0.045	0.000	0.406	-0.118	0.946	0.914	1.040
P27773	Pdia3	0.006	0.047	0.000	0.162	-0.091	0.836	0.494	0.787
Q9R0E2	Plod1	0.000	0.010	0.686	-0.258	0.000	4.510	4.250	4.540
Q9JI11	Stk4	0.009	0.057	0.000	-0.122	0.047	-0.744	-1.550	-1.450
A2BH40	Arid1a	0.092	0.233	-0.206	0.044	0.000	-0.488	-0.528	-0.129
Q9ERR7	Sep 15	0.054	0.164	0.000	0.000	0.112	0.582	0.658	0.160
Q8BKZ9	Pdhx	0.019	0.086	0.000	0.072	-0.571	0.880	0.548	0.654
P00405	Mtco2	0.007	0.048	0.000	0.129	-0.089	0.646	0.391	0.643
Q3UVK0	Ermp1	0.187	0.376	0.000	0.130	-0.198	0.330	-0.022	0.382
Q8BL66	Eea1	0.108	0.259	-0.525	0.502	0.000	-0.939	-0.986	-0.339
P40336	Vps26a	0.557	0.825	0.032	0.000	-0.325	0.061	-0.478	-0.248
O08795	Prkcsh	0.006	0.047	0.000	0.339	-0.092	0.821	0.722	0.867
Q9WVK4	Ehd1	0.325	0.561	0.320	0.000	-0.219	0.523	0.037	0.249
Q8VCF0	Mavs	0.900	1.000	-0.276	0.000	0.068	-0.034	-0.283	0.051

P62301	Rps13	0.889	1.000	0.000	0.263	-0.044	-0.105	0.013	0.390
O08917	Flot1	0.054	0.164	0.190	-0.046	0.000	0.567	0.218	0.752
Q9D898	Arpc5l	0.171	0.353	-0.177	0.054	0.000	0.015	0.105	0.281
A2AJI0	Map7d1	0.249	0.462	-0.128	0.647	0.000	1.090	0.041	1.120
Q9JMA1	Usp14	0.074	0.201	0.000	0.381	-0.373	-0.303	-0.956	-1.110
Q60930	Vdac2	0.002	0.023	0.000	0.161	-0.063	1.040	0.946	1.360
P62900	Rpl31	0.502	0.767	0.126	-0.033	0.000	0.385	-0.004	0.012
F8VPU2	Farp1	0.001	0.014	-0.677	0.000	0.355	4.280	3.500	3.700
Q9JMG7	Hdgfrp3	0.136	0.301	-0.347	0.000	0.147	-0.879	-0.986	-0.099
Q922L6	Nelfcd	0.012	0.066	0.000	-0.045	0.091	-0.415	-0.543	-0.247
Q52KI8	Srrm1	0.120	0.276	0.238	-0.450	0.000	-0.234	-2.830	-1.770
Q8BG81	Poldip3	0.098	0.242	-0.525	0.000	0.195	-0.771	-0.787	-0.391
Q921Z5	Tnfaip8	0.082	0.214	0.388	0.000	-0.292	-0.278	-0.792	-0.547
Q3UJU9	Rmdn3	0.332	0.570	0.215	0.000	-0.020	-0.077	-0.868	0.115
Q8CB44	Gramd4	0.430	0.686	0.000	0.225	-0.025	0.064	0.109	0.327
Q922K7	Nop2	0.086	0.223	0.000	0.003	-0.303	-0.235	-0.800	-0.577
P49717	Mcm4	0.023	0.097	0.346	0.000	-0.046	-0.328	-0.924	-0.787
Q3UHX2	Pdap1	0.179	0.365	0.000	0.188	-0.220	-0.300	-0.993	-0.140
Q9R1P1	Psmb3	0.004	0.035	0.033	-0.340	0.000	-1.020	-1.120	-0.826
Q61941	Nnt	0.000	0.013	1.030	-0.638	0.000	5.910	5.440	5.700
P52293	Kpna2	0.813	1.000	0.707	0.000	-0.101	0.887	-0.132	0.151
Q05512	Mark2	0.392	0.641	0.223	-0.177	0.000	0.293	-0.698	-0.474
Q5XJY5	Arcn1	0.085	0.221	0.106	-0.155	0.000	-0.126	-0.943	-0.727
Q99JR8	Smarcd2	0.103	0.250	0.000	-0.058	0.257	-0.113	-0.328	-0.116
Q9D0T1	Snu13	0.001	0.016	0.000	0.041	-0.075	-0.503	-0.523	-0.409
Q8BFZ9	Erlin2	0.006	0.047	0.000	0.127	-0.748	1.380	1.200	1.190
Q9D0S9	Hint2	0.816	1.000	0.000	1.130	-1.100	-0.268	1.220	-0.316
P21107	Tpm3	0.005	0.039	0.000	0.179	-0.001	-0.958	-1.660	-1.080
Q921S7	Mrpl37	0.249	0.462	0.174	0.000	-0.144	0.783	-0.030	0.302
Q3V3R1	Mthfd1l	0.570	0.839	0.201	0.000	-0.215	0.497	-0.751	-0.501
Q91VW3	Sh3bgrl3	0.003	0.033	-0.165	0.000	0.130	-1.470	-2.560	-2.250
E9Q555	Rnf213	0.959	1.000	0.447	0.000	-0.205	0.553	-0.424	0.057
Q8K411	Pitrm1	0.003	0.030	0.219	0.000	-0.224	1.320	0.923	1.190
Q9D1L0	Chchd2	0.596	0.869	-0.345	0.000	0.075	0.112	-1.140	0.029
Q9QYR9	Acot2	0.001	0.018	-0.148	0.041	0.000	0.854	0.676	0.934
P16858	Gapdh	0.043	0.142	-0.051	0.026	0.000	-0.153	-0.557	-0.357
P61222	Abce1	0.300	0.529	0.517	-0.034	0.000	0.313	-0.505	-0.467
P61161	Actr2	0.282	0.505	0.071	-0.134	0.000	0.212	-0.043	0.126
Q8VCH8	Ubxn4	0.013	0.069	0.099	0.000	-0.026	0.633	0.446	0.951
O55023	Impa1	0.000	0.013	-0.248	0.000	0.009	-1.540	-1.950	-1.710
P70248	Myo1f	0.137	0.302	0.249	-0.171	0.000	-0.054	-0.811	-0.449
Q9JHW2	Nit2	0.309	0.542	-0.141	0.431	0.000	0.296	0.245	0.362
Q9JHW4	Eefsec	0.087	0.224	0.249	-0.072	0.000	-0.272	-1.360	-0.515
O88736	Hsd17b7	0.000	0.004	0.000	0.367	-0.023	4.050	3.850	4.130
P57759	Erp29	0.022	0.094	0.000	0.074	-0.443	0.673	0.369	0.667
O35654	Pold2	0.012	0.068	-0.024	0.000	0.141	-0.399	-0.668	-0.328
Q62419	Sh3gl1	0.450	0.708	0.000	-0.110	0.019	0.287	-0.209	0.241
P61082	Ube2m	0.204	0.400	0.058	-0.064	0.000	0.007	-0.882	-0.322
Q8K1E0	Stx5	0.141	0.307	0.053	-0.343	0.000	0.073	0.123	0.426
Q60715	P4ha1	0.000	0.008	0.000	0.805	-0.211	6.380	6.030	6.340
Q9D8Y0	Efhd2	0.003	0.033	0.045	0.000	-0.014	-0.957	-1.570	-1.060
Q9R0P5	Dstn	0.888	1.000	0.713	0.000	-1.130	0.571	-0.381	-0.332
Q9QYC7	Ggcx	0.000	0.003	-0.235	0.000	0.166	5.000	4.810	5.100
Q6ZWX6	Eif2s1	0.438	0.695	0.263	0.000	-0.164	0.248	-0.476	-0.325
Q9DB20	Atp5o	0.001	0.019	0.000	0.129	-0.067	0.904	0.673	0.901
Q8BR65	Suds3	0.139	0.304	0.057	0.000	-0.089	-0.026	-0.482	-0.292
Q9QZ88	Vps29	0.132	0.296	0.190	-0.256	0.000	-0.377	-1.590	-0.445
O08709	Prdx6	0.003	0.031	0.085	0.000	-0.156	-1.090	-1.810	-1.670
Q9CQ22	Lamtor1	0.492	0.756	0.000	-0.355	0.051	0.095	-0.158	0.109

Q8BIJ6	lars2	0.008	0.053	0.000	0.073	-0.104	0.819	0.408	0.655
Q8CIN4	Pak2	0.001	0.022	-0.049	0.000	0.006	-1.000	-1.520	-1.160
Q9CZW4	Acsl3	0.001	0.022	0.554	-0.639	0.000	3.110	2.640	3.120
Q61739	Itga6	0.274	0.495	0.000	0.607	-0.319	-0.246	-0.143	-0.388
Q8K2Z4	Ncapd2	0.437	0.694	0.059	-0.356	0.000	0.217	-0.607	-0.761
Q91YQ5	Rpn1	0.001	0.018	0.000	0.016	-0.293	1.400	1.040	1.180
Q9DC61	Pmpca	0.012	0.068	0.000	0.351	-0.158	1.180	0.802	0.788
Q3UJB9	Ecd4	0.867	1.000	0.128	-0.076	0.000	0.309	-0.341	-0.021
P18242	Ctsd	0.694	0.969	0.717	0.000	-0.835	0.208	-0.516	-0.451
Q99L13	Hibadh	0.000	0.014	0.000	0.215	-0.163	1.320	1.240	1.450
Q03265	Atp5a1	0.002	0.025	0.000	0.050	-0.113	0.804	0.540	0.809
Q9QXX4	Slc25a13	0.004	0.038	-0.014	0.047	0.000	0.518	0.393	0.699
O54879	Hmgb3	0.121	0.278	0.188	-0.126	0.000	-0.298	-0.889	-0.166
Q9QY06	Myo9b	0.117	0.273	0.000	-0.054	0.168	0.018	-0.602	-0.651
Q9Z1F9	Uba2	0.005	0.042	0.000	-0.064	0.102	-1.020	-1.890	-1.320
P62855	Rps26	0.563	0.832	0.024	-0.672	0.000	0.355	-0.968	-0.977
P63005	Pafah1b1	0.015	0.075	0.000	0.142	-0.104	-0.432	-0.897	-0.558
Q6PGG2	Gmip	0.008	0.055	0.062	0.000	-0.212	-1.290	-1.810	-0.933
O35855	Bcat2	0.331	0.569	0.049	0.000	-0.484	0.516	-0.134	0.039
P29351	Ptpn6	0.095	0.238	0.228	-0.143	0.000	-0.147	-0.756	-0.370
Q8BPG6	Sumf2	0.000	0.013	-0.094	0.054	0.000	0.610	0.632	0.744
Q9CQC7	Ndufb4	0.005	0.039	0.000	0.250	-0.034	0.719	0.760	0.569
Q99KH8	Stk24	0.035	0.123	-0.121	0.133	0.000	-0.235	-0.505	-0.703
Q9Z2N8	Actl6a	0.006	0.047	-0.016	0.057	0.000	-0.380	-0.667	-0.402
Q91ZV0	Mia2	0.257	0.472	-0.554	0.166	0.000	0.561	-0.135	0.378
Q8CGK3	Lonp1	0.159	0.335	0.242	0.000	-0.158	1.280	0.204	0.415
Q8C4J7	Tbl3	0.049	0.154	0.189	0.000	-0.100	-0.174	-0.628	-0.759
Q8VEM8	Slc25a3	0.001	0.019	0.000	0.026	-0.130	1.170	0.803	0.950
P60762	Morf4l1	0.009	0.057	-0.318	0.087	0.000	-0.962	-0.761	-0.658
Q9D8U8	Snx5	0.176	0.360	0.255	0.000	-0.005	0.060	-0.518	-0.216
Q9Z2U1	Psma5	0.001	0.018	-0.148	0.000	0.027	-0.997	-1.330	-1.400
P27641	Xrcc5	0.003	0.030	-0.102	0.000	0.052	-1.050	-1.770	-1.530
Q80UU9	Pgrmc2	0.036	0.125	0.101	-1.420	0.000	1.290	0.890	1.240
Q9D051	Pdhb	0.332	0.570	0.000	0.004	-0.255	0.792	-0.134	0.064
P47758	Srprb	0.009	0.057	-0.191	0.223	0.000	0.773	0.554	0.890
Q9CYR0	Ssbp1	0.351	0.592	0.000	0.078	0.000	0.385	-0.069	0.185
Q91ZX7	Lrp1	0.002	0.025	0.234	0.000	-1.060	2.740	2.500	2.710
Q9D1P4	Chordc1	0.031	0.116	0.000	-0.375	0.231	-0.843	-1.750	-0.898
Q8VCB1	Ndc1	0.083	0.216	-0.054	0.125	0.000	0.620	0.106	0.452
P62889	Rpl30	0.194	0.386	0.236	-0.137	0.000	0.653	0.049	0.359
Q64521	Gpd2	0.010	0.061	0.000	0.125	-0.395	0.903	0.600	0.693
O70152	Dpm1	0.009	0.058	-0.055	0.148	0.000	0.621	0.542	0.972
Q64727	Vcl	0.889	1.000	0.423	0.000	-0.698	0.350	-0.352	-0.100
Q61792	Lasp1	0.591	0.864	-0.323	0.046	0.000	0.162	-0.267	0.147
O88532	Zfr	0.756	1.000	-0.374	0.000	0.242	-0.033	-0.343	0.030
Q64012	Raly	0.019	0.086	0.000	0.086	-0.035	-0.193	-0.356	-0.175
Q9EPE9	Atp13a1	0.000	0.013	0.082	0.000	-0.043	0.982	1.020	1.240
Q08093	Cnn2	0.711	0.987	-0.069	0.221	0.000	0.526	-0.210	0.112
Q9Z0X1	Aifm1	0.917	1.000	0.000	0.036	-0.025	0.160	-0.134	0.015
Q8K297	Colgalt1	0.000	0.013	0.020	0.000	-0.798	3.140	2.810	2.900
P27601	Gna13	0.966	1.000	-0.229	0.139	0.000	0.035	-0.168	0.062
P68372	Tubb4b	0.036	0.125	0.000	0.073	-0.162	-0.272	-0.840	-0.694
Q01853	Vcp	0.002	0.025	0.000	0.056	-0.134	-0.465	-0.616	-0.590
Q8K1R3	Pnpt1	0.333	0.571	0.128	0.000	-0.456	1.050	0.609	-0.428
Q6NS46	Pdcd11	0.115	0.270	0.288	0.000	-0.052	0.029	-0.613	-0.698
Q91V92	Acly	0.836	1.000	0.521	0.000	-0.217	0.528	-0.126	0.096
Q61687	Atrx	0.020	0.089	-0.063	0.030	0.000	-0.511	-1.080	-0.541
O35887	Calu	0.000	0.010	0.000	0.381	-0.028	2.430	2.320	2.650
Q8VBV7	Cops8	0.011	0.063	-0.099	0.297	0.000	-0.536	-0.993	-1.100

Q9D892	Itpa	0.015	0.075	0.000	0.571	-0.294	-0.901	-1.130	-1.500
P32067	Ssb	0.024	0.099	0.085	0.000	-0.109	-0.360	-1.020	-0.784
Q8BI72	Cdkn2aip	0.009	0.058	-0.178	0.025	0.000	-0.523	-0.712	-0.421
P97372	Psme2	0.004	0.035	-0.129	0.542	0.000	-1.040	-1.290	-1.300
Q9WUM5	Suclg1	0.579	0.850	0.279	0.000	-0.064	1.160	-0.031	-0.140
P97452	Bop1	0.146	0.315	0.031	0.000	-0.439	-0.274	-0.489	-0.693
Q6WVG3	Kctd12	0.656	0.932	0.315	0.000	-0.034	0.280	-0.225	-0.040
Q9CXW3	Cacybp	0.796	1.000	0.000	0.321	-0.259	0.140	-0.448	0.154
Q8C7V8	Ccdc134	0.086	0.222	0.343	-0.195	0.000	1.030	0.218	1.050
Q9EPU0	Upf1	0.254	0.467	0.070	0.000	-0.442	-0.174	-0.567	-0.419
Q8K2B3	Sdha	0.017	0.081	0.000	0.002	-0.204	0.722	0.297	0.454
P67778	Phb	0.003	0.033	0.000	0.017	-0.309	0.843	0.579	0.735
Q6NZJ6	Eif4g1	0.192	0.384	0.001	-0.411	0.000	0.581	-0.101	0.237
P35235	Ptpn11	0.002	0.029	-0.286	0.010	0.000	-0.906	-1.190	-0.916
Q922Q4	Pycr2	0.016	0.078	0.102	0.000	-0.106	1.190	0.520	0.764
P47753	Capza1	0.230	0.435	-0.227	0.804	0.000	-0.433	-0.018	-0.420
Q61102	Abcb7	0.585	0.857	-0.410	0.169	0.000	0.145	-0.268	0.316
P47802	Mtx1	0.295	0.522	0.000	0.014	-0.282	0.283	-0.076	0.042
P03958	Ada	0.014	0.072	0.754	-0.343	0.000	-1.270	-2.090	-1.410
P63321	Rala	0.001	0.019	0.000	0.267	-0.010	1.050	1.270	1.390
P27808	Mgat1	0.011	0.063	0.341	-0.109	0.000	1.110	0.673	1.070
Q91V08	Clec2d	0.595	0.868	0.000	4.180	-0.694	-1.230	2.370	-0.961
P21279	Gnaq	0.001	0.019	0.000	0.266	-0.175	1.290	1.150	1.370
Q3TWW8	Srsf6	0.078	0.209	0.100	0.000	-0.133	-0.141	-1.130	-1.060
Q80WQ2	Vac14	0.093	0.234	0.126	0.000	-0.005	-0.024	-0.634	-0.440
P19157	Gstp1	0.004	0.036	-0.138	0.000	0.106	-1.050	-1.380	-0.809
Q99JF8	Psip1	0.090	0.230	-0.095	0.000	0.152	-0.474	-0.546	-0.054
Q9EPU4	Cpsf1	0.146	0.315	0.000	0.097	-0.063	-0.601	-0.441	0.028
P61028	Rab8b	0.484	0.747	0.000	0.106	-1.460	-0.015	-0.228	0.075
Q9EQH2	Erap1	0.628	0.904	-0.026	0.272	0.000	0.049	-0.104	0.119
P63276	Rps17	0.251	0.463	0.554	-0.143	0.000	0.393	0.274	1.260
P08249	Mdh2	0.023	0.096	-0.067	0.250	0.000	0.700	0.373	0.737
Q8C0E2	Vps26b	0.098	0.242	0.000	-0.173	0.155	-0.331	-1.450	-0.538
P06537	Nr3c1	0.043	0.141	-0.291	0.000	0.306	-0.491	-0.996	-0.556
P84096	Rhog	0.210	0.406	0.099	-0.086	0.000	-0.027	-0.680	-0.190
Q8K273	Mmgt1	0.040	0.135	0.123	-0.229	0.000	1.120	0.385	1.530
Q6P5D8	Smchd1	0.071	0.194	-0.012	0.080	0.000	-0.246	-0.640	-0.156
Q99KC8	Vwa5a	0.041	0.136	-0.167	0.112	0.000	0.212	0.207	0.290
Q6A0A9	FAM120A	0.722	1.000	-0.005	0.168	0.000	0.747	-0.800	-0.310
P26231	Ctnna1	0.001	0.018	0.052	-0.640	0.000	3.370	2.460	2.860
Q6ZPE2	Sbf1	0.006	0.044	0.052	-0.183	0.000	-0.773	-1.370	-1.020
Q9Z1K5	Arih1	0.021	0.092	0.126	-0.138	0.000	-0.818	-2.130	-1.350
Q3UUQ7	Pgap1	0.013	0.072	0.463	-0.528	0.000	1.170	1.170	1.220
P42125	Eci1	0.192	0.384	0.000	0.429	-0.075	0.361	0.416	0.326
Q8C9B9	Dido1	0.033	0.120	-0.193	0.041	0.000	0.473	0.154	0.515
Q80U72	Scrib	0.649	0.926	-0.386	0.062	0.000	1.500	-0.647	-0.191
O35143	Atpif1	0.013	0.069	0.259	0.000	-0.321	1.590	1.150	0.813
Q8K310	Matr3	0.033	0.119	-0.160	0.000	0.057	-0.247	-0.430	-0.265
Q8BXZ1	Tmx3	0.000	0.008	-0.015	0.000	0.010	0.683	0.570	0.683
Q9JIT0	Rcl1	0.006	0.044	-0.094	0.000	0.033	-0.925	-1.080	-1.640
P35278	Rab5c	0.471	0.730	-0.070	0.126	0.000	0.187	-0.097	0.261
Q91VR5	Ddx1	0.525	0.791	0.054	0.000	-0.008	0.345	-0.164	0.182
P84084	Arf5	0.092	0.233	0.000	0.100	-0.067	-0.116	-1.250	-0.806
P14685	Psmc3	0.048	0.152	0.000	-0.102	0.036	-0.240	-0.752	-0.399
P80315	Cct4	0.030	0.114	-0.089	0.028	0.000	-0.246	-0.738	-0.523
Q7TPD0	Ints3	0.037	0.128	0.000	-0.118	0.448	-0.365	-1.040	-0.669
O88531	Ppt1	0.102	0.248	0.288	0.000	-0.559	-0.350	-1.070	-1.500
Q921M3	Sf3b3	0.003	0.031	-0.017	0.117	0.000	-0.436	-0.637	-0.422
Q8VH51	Rbm39	0.044	0.143	0.079	0.000	-0.126	-0.211	-0.764	-0.586

Q8BHN3	Ganab	0.006	0.047	0.180	0.000	-0.140	0.719	0.487	0.700
Q9CZW5	Tomm70	0.062	0.179	0.000	0.008	-0.151	0.239	0.035	0.226
O35972	Mrpl23	0.003	0.033	0.000	0.107	-0.240	0.886	0.665	0.669
P62315	Snrpd1	0.645	0.922	0.000	-1.410	0.030	-0.557	-0.619	0.778
O35350	Capn1	0.018	0.084	-0.014	0.000	0.021	-0.236	-0.579	-0.351
Q60737	Csnk2a1	0.841	1.000	0.000	0.031	-0.134	-0.077	-0.483	0.308
P97376	Frg1	0.010	0.059	0.020	-0.044	0.000	-0.541	-0.851	-0.422
P68037	Ube2l3	0.133	0.297	0.000	0.339	-0.029	-0.282	-1.350	-0.224
P54103	Dnajc2	0.094	0.236	0.144	0.000	0.000	-0.125	-0.980	-0.423
O08915	Aip	0.025	0.102	0.016	-0.067	0.000	-0.672	-1.950	-1.290
O35841	Api5	0.032	0.116	-0.044	0.000	0.040	-0.768	-0.726	-0.225
Q8CHP6	Phc3	0.947	1.000	-0.400	0.000	0.610	0.040	0.081	0.027
Q8K284	Gtf3c1	0.105	0.252	0.000	0.163	-0.024	-0.119	-1.060	-0.453
Q09014	Ncf1	0.407	0.658	1.740	-0.022	0.000	1.230	-1.690	-0.706
P81269	Atf1	0.311	0.544	0.000	-2.120	0.502	0.421	-0.113	1.130
O35343	Kpna4	0.217	0.415	0.000	0.365	-0.431	-1.080	-0.695	-0.005
Q9CSU0	Rprd1b	0.000	0.009	-0.009	0.058	0.000	-0.946	-1.160	-1.000
Q3UQ44	lqgap2	0.285	0.509	0.213	0.000	-0.073	0.235	-0.465	-0.837
Q6P5F9	Xpo1	0.204	0.400	0.004	0.000	-0.804	-0.562	-0.972	-0.620
Q9D0D3	Mtpap	0.039	0.134	-0.042	0.000	0.411	0.553	0.544	0.831
P51859	Hdgf	0.004	0.034	-0.010	0.000	0.062	-0.903	-1.530	-1.040
P11942	Cd3g	0.167	0.349	-0.367	0.000	0.062	-0.670	-0.495	-0.158
Q91VE6	Nifk	0.244	0.454	0.009	0.000	-0.055	0.059	-0.834	-0.332
O88543	Cops3	0.037	0.128	-0.261	0.000	0.061	-0.532	-1.550	-0.983
Q9D6S7	Mrrf	0.086	0.223	0.000	0.433	-0.651	0.785	0.917	0.434
Q9CXT8	Pmpcb	0.017	0.082	0.000	0.156	-0.441	1.050	0.643	0.643
O09172	Gclm	0.514	0.778	0.497	0.000	-0.914	0.147	-0.892	-0.812
O70370	Ctss	0.016	0.078	0.174	0.000	-0.123	-0.289	-0.491	-0.485
Q9ES52	Inpp5d	0.069	0.191	-0.054	0.183	0.000	-0.248	-0.967	-0.380
Q8CHT0	Aldh4a1	0.875	1.000	0.335	-0.067	0.000	1.090	-0.715	-0.397
O35326	Srsf5	0.051	0.157	0.057	0.000	-0.537	-0.598	-1.720	-1.290
P61255	Rpl26	0.969	1.000	0.146	0.000	-0.044	0.302	-0.198	-0.021
Q9WV54	Asah1	0.436	0.693	0.241	0.000	-0.799	-0.033	-0.720	-0.851
Q5SWD9	Tsr1	0.007	0.048	0.044	-0.144	0.000	-0.590	-0.766	-0.441
Q9Z0N1	Eif2s3x	0.715	0.992	0.118	0.000	-0.435	0.405	-0.210	-0.202
Q9JIG8	Praf2	0.001	0.022	-0.152	0.388	0.000	1.550	1.310	1.510
P17742	Ppia	0.001	0.020	-0.069	0.072	0.000	-0.744	-1.100	-0.888
Q9D1N9	Mrpl21	0.001	0.019	0.000	0.089	-0.218	0.892	0.811	1.010
P21460	Cst3	0.344	0.583	0.555	0.000	-0.002	0.303	-0.365	-0.291
Q8QZT1	Acat1	0.050	0.156	0.000	0.181	-0.006	0.765	0.228	0.592
P60843	Eif4a1	0.768	1.000	0.365	0.000	-0.115	0.496	-0.360	-0.167
Q9DCS3	Mecr	0.121	0.279	0.000	0.207	-0.206	1.210	0.269	0.392
Q9QUI0	Rhoa	0.092	0.233	0.000	-0.019	0.008	-0.050	-0.555	-0.397
Q7TPH6	Mycbp2	0.256	0.470	0.044	-0.016	0.000	0.048	-0.906	-0.239
Q8C0C0	Zhx2	0.138	0.303	-0.142	0.000	0.004	-0.455	-0.390	-0.046
B2RXR6	Ankrd44	0.004	0.036	0.067	-0.178	0.000	-1.230	-2.070	-1.460
O89053	Coro1a	0.001	0.021	-0.088	0.000	0.009	-0.623	-0.917	-0.740
Q9Z0E6	Gbp2	0.096	0.238	-0.595	0.652	0.000	-0.971	-1.400	-0.481
Q8VCM8	Ncln	0.000	0.013	0.163	0.000	-0.176	2.230	1.750	2.080
P39054	Dnm2	0.326	0.562	0.075	-0.001	0.000	0.448	-0.098	0.271
O55106	Strn	0.053	0.162	-0.090	0.271	0.000	-0.484	-0.533	-0.141
Q9QX47	Son	0.342	0.582	-0.273	0.117	0.000	-0.128	-0.274	-0.155
Q9D883	U2af1	0.235	0.442	0.393	-0.112	0.000	0.274	-0.934	-0.764
Q7TMR0	Prpc	0.537	0.805	0.534	0.000	-0.186	0.295	-0.429	-0.127
Q8JZQ9	Eif3b	0.260	0.476	0.275	-0.073	0.000	0.153	-0.697	-0.305
Q3V0C5	Usp48	0.002	0.023	-0.188	0.240	0.000	-1.040	-1.390	-1.230
Q922B2	Dars	0.310	0.543	0.005	0.000	-0.176	-0.007	-0.316	-0.229
Q3THK3	Gtf2f1	0.002	0.024	0.000	0.200	-0.068	-1.120	-1.740	-1.450
Q8CFX1	H6pd	0.003	0.031	0.000	0.021	-0.537	1.370	1.020	1.180



Q8K1I7	Wipf1	0.146	0.315	-0.001	0.000	0.402	-0.311	-0.419	0.062
Q4VA53	Pds5b	0.031	0.116	-0.082	0.000	0.035	-0.347	-0.548	-0.198
Q7TPV4	Mybbp1a	0.078	0.208	0.135	0.000	-0.117	-0.129	-0.809	-0.532
Q3ULD5	Mccc2	0.004	0.036	0.000	0.315	-0.197	1.080	0.893	0.981
Q8BJS4	Sun2	0.725	1.000	0.000	0.079	-0.089	0.028	-0.229	0.073
Q64324	Stxbp2	0.030	0.112	0.000	0.170	-0.102	-0.258	-0.789	-0.715
Q9CWK8	Snx2	0.007	0.050	0.074	0.000	-0.016	-0.329	-0.673	-0.635
Q9DCC8	Tomm20	0.641	0.917	-0.091	0.350	0.000	0.068	0.058	0.398
O88342	Wdr1	0.001	0.019	-0.112	0.000	0.084	-0.978	-1.390	-1.190
P55096	Abcd3	0.092	0.232	0.042	0.000	-0.929	1.360	1.060	0.053
Q80W54	Zmpste24	0.080	0.211	0.027	0.000	-0.220	0.715	0.060	0.482
P32020	Scp2	0.103	0.248	0.172	0.000	-0.126	0.611	0.091	0.465
Q8BUH8	Senp7	0.036	0.125	-0.092	0.000	0.105	-0.578	-0.970	-0.310
Q07797	Lgals3bp	0.056	0.168	0.660	0.000	-0.240	1.040	0.809	0.805
Q9QYB1	Clic4	0.007	0.051	0.074	0.000	-0.173	1.240	0.654	0.833
Q9CR16	Ppid	0.050	0.155	0.063	0.000	-0.400	-0.464	-0.946	-0.621
P19096	Fasn	0.558	0.826	0.157	0.000	-0.066	0.282	-0.464	-0.161
Q8BTS4	Nup54	0.174	0.357	-0.078	0.000	0.036	-0.224	-0.263	0.002
P61750	Arf4	0.057	0.168	0.156	-0.200	0.000	1.220	0.315	0.670
P43247	Msh2	0.040	0.135	0.112	0.000	-0.005	-0.303	-0.900	-0.393
Q9CXF4	Tbc1d15	0.442	0.698	0.404	0.000	-0.414	0.186	-0.566	-0.489
P47856	Gfpt1	0.260	0.476	0.041	-0.007	0.000	0.080	-0.490	-0.204
Q640M1	Utp14a	0.054	0.163	0.000	-0.037	0.384	-0.252	-0.903	-0.422
Q9QZM0	Ubqln2	0.002	0.025	0.000	-0.073	0.286	-0.713	-0.834	-0.761
Q60739	Bag1	0.001	0.015	-0.089	0.000	0.076	-1.060	-1.260	-0.917
Q8BH95	Echs1	0.035	0.124	0.000	0.240	-0.097	0.915	0.414	0.524
Q9JLV6	Pnkp	0.033	0.121	0.186	0.000	-0.012	-0.137	-0.517	-0.435
P56391	Cox6b1	0.015	0.076	0.030	0.000	-0.083	0.406	0.174	0.409
P48758	Cbr1	0.045	0.146	0.000	-0.362	0.229	-0.750	-2.180	-1.160
Q60668	Hnrmpd	0.029	0.111	-0.167	0.000	0.014	-0.668	-0.810	-0.301
Q99LF4	Rtcb	0.551	0.820	0.000	0.036	-0.061	0.119	-0.108	0.122
Q91V64	Isoc1	0.027	0.106	0.263	0.000	-0.176	-0.967	-1.210	-2.380
Q9D3E6	Stag1	0.097	0.241	-0.110	0.000	0.040	-0.192	-0.391	-0.105
Q9DBE9	Ftsj3	0.149	0.319	0.213	0.000	-0.414	-0.104	-0.908	-1.010
Q9JLV5	Cul3	0.171	0.353	0.033	-0.575	0.000	-0.300	-1.190	-0.676
Q99N96	Mrpl1	0.091	0.231	0.000	-1.980	0.201	0.820	0.852	1.270
Q8K2T8	Paf1	0.000	0.013	0.000	-0.060	0.046	-0.832	-0.873	-0.672
O09159	Man2b1	0.658	0.934	0.557	-0.062	0.000	0.520	0.127	0.181
Q9Z1X4	Ilf3	0.531	0.798	-0.320	0.120	0.000	-0.211	-0.422	0.045
P42567	Eps15	0.012	0.067	0.268	-0.005	0.000	-0.508	-1.210	-0.973
Q9CPR7	Sike1	0.285	0.509	-0.334	0.039	0.000	-0.127	-0.901	-0.255
Q9D0R2	Tars	0.045	0.146	-0.112	0.000	0.099	-0.225	-0.415	-0.184
Q07076	Anxa7	0.833	1.000	0.000	0.052	-0.034	0.275	-0.212	0.053
Q9QYE6	Golga5	0.161	0.339	0.042	-0.319	0.000	0.172	0.003	0.235
Q61768	Kif5b	0.532	0.799	0.107	0.000	-0.003	0.348	-0.450	-0.300
Q99KE1	Me2	0.952	1.000	0.000	0.140	-0.205	0.190	-0.212	-0.072
Q60931	Vdac3	0.007	0.050	0.000	0.252	-0.058	1.080	0.902	1.570
Q63850	Nup62	0.333	0.571	0.264	-3.320	0.000	0.165	-0.153	0.862
O55098	Stk10	0.435	0.692	-0.223	0.161	0.000	-0.488	-0.706	0.292
Q8BZH4	Pogz	0.153	0.326	-0.120	0.000	0.033	-0.410	-0.449	-0.010
Q9QYJ0	Dnaja2	0.688	0.965	0.097	0.000	-0.099	0.154	-0.236	-0.084
Q8CDN6	Txn1	0.008	0.051	0.000	0.040	-0.283	-0.969	-1.380	-0.821
Q8R5C5	Actr1b	0.301	0.529	-0.159	0.417	0.000	0.472	0.374	0.126
P09602	Hmgn2	0.380	0.629	-1.030	0.000	0.113	-0.438	-0.284	-3.170
P09055	Itgb1	0.001	0.019	0.000	0.434	0.000	1.880	1.520	1.680
Q924W5	Smc6	0.171	0.353	0.165	0.000	-0.119	-0.122	-0.954	-0.241
O08663	Metap2	0.390	0.640	0.466	-3.020	0.000	-1.320	-1.100	-4.830
P09925	Surf1	0.000	0.013	0.069	0.000	-0.073	0.682	0.590	0.722
O89100	Grap2	0.049	0.154	-0.257	0.110	0.000	-0.559	-2.360	-1.760

P06745	Gpi	0.005	0.039	0.533	-0.070	0.000	-1.010	-1.620	-1.360
Q9EQU5	Set	0.009	0.055	0.000	0.489	-0.112	-0.929	-0.885	-0.687
P58742	Aaas	0.006	0.044	0.000	0.068	-0.024	0.523	0.402	0.731
Q8BMD8	Slc25a24	0.023	0.096	-0.447	0.176	0.000	0.526	0.574	0.757
O70172	Pip4k2a	0.136	0.301	0.051	0.000	-0.088	-0.007	-0.946	-0.646
P62880	Gnb2	0.106	0.254	0.181	-0.405	0.000	0.353	0.177	0.720
P11103	Parp1	0.506	0.770	-0.125	0.040	0.000	-0.190	-0.321	0.120
Q99LC2	Cstf1	0.099	0.242	-0.452	0.024	0.000	-0.702	-0.620	-0.334
P11352	Gpx1	0.131	0.294	0.457	0.000	-0.235	-0.028	-0.804	-0.877
Q04750	Top1	0.149	0.319	0.118	-0.057	0.000	-0.028	-0.407	-0.160
Q8VE47	Uba5	0.001	0.020	0.048	-0.035	0.000	-0.621	-0.940	-0.867
Q8K4G5	Ablim1	0.436	0.693	-0.562	0.000	0.335	-0.503	-0.450	-0.049
P06332	Cd4	0.187	0.377	-0.346	0.000	0.028	-0.404	-0.507	-0.161
Q8BRF7	Scfd1	0.745	1.000	0.000	-0.031	0.146	0.060	-0.193	0.131
P04627	Araf	0.149	0.319	0.195	-0.430	0.000	-2.140	-1.090	-7.290
Q61545	Ewsr1	0.344	0.584	-0.147	0.000	0.141	-0.110	-0.516	0.030
Q9CY64	Blvra	0.001	0.017	0.070	0.000	-0.027	-1.010	-1.480	-1.270
P54116	Stom	0.556	0.825	0.677	0.000	-0.243	0.446	-0.539	-0.245
Q0P678	Zc3h18	0.031	0.114	0.000	-0.085	0.167	-0.421	-1.190	-0.663
P59235	Nup43	0.560	0.829	-0.120	0.383	0.000	-0.494	0.070	0.192
Q3UW53	Fam129a	0.316	0.550	-0.006	0.203	0.000	0.205	-0.653	-0.238
Q02819	Nucb1	0.009	0.056	0.039	0.000	-0.189	0.852	0.418	0.648
P62334	Psmc6	0.204	0.400	-0.038	0.043	0.000	0.062	-0.326	-0.538
P99029	Prdx5	0.996	1.000	0.234	0.000	-0.266	0.051	-0.201	0.121
P56183	Rrp1	0.829	1.000	1.090	0.000	-2.470	0.744	-3.520	0.226
Q9DCR2	Ap3s1	0.247	0.458	0.237	-0.394	0.000	0.805	0.129	0.105
Q9JLZ8	Sigirr	0.827	1.000	-1.170	0.459	0.000	-0.526	-0.206	-0.321
Q9QUR6	Prep	0.027	0.106	0.102	-0.262	0.000	-0.737	-1.200	-0.530
Q9DBP5	Cmpk1	0.018	0.084	0.000	0.122	-0.056	-0.724	-1.950	-1.410
Q5SFM8	Rbm27	0.299	0.528	-0.487	0.001	0.000	0.226	-0.114	0.081
Q7JJ13	Brd2	0.032	0.117	-0.064	0.006	0.000	-0.586	-1.290	-0.544
Q6PHZ2	Camk2d	0.078	0.209	-0.861	0.391	0.000	-1.070	-2.170	-0.983
P29416	Hexa	0.886	1.000	0.576	-0.195	0.000	0.462	-0.293	0.066
O70252	Hmox2	0.188	0.378	0.000	0.189	-0.038	0.252	0.067	0.428
Q9DB73	Cyb5r1	0.000	0.008	0.000	0.094	-0.277	2.440	2.150	2.440
Q9DBH5	Lman2	0.002	0.025	0.000	0.055	-0.225	0.807	0.612	0.822
P62242	Rps8	0.850	1.000	0.000	0.181	-0.355	0.070	-0.089	-0.056
Q6P069	Sri	0.434	0.691	-0.202	0.027	0.000	-0.084	-0.301	-0.063
Q9CZX8	Rps19	0.508	0.772	0.243	-0.007	0.000	0.331	-0.433	-0.184
Q07417	Acads	0.730	1.000	0.089	0.000	-0.125	0.435	-0.537	-0.263
Q8R1B4	Eif3c	0.348	0.589	0.218	0.000	-0.044	0.214	-0.467	-0.267
O88379	Baz1a	0.138	0.303	0.035	0.000	-0.139	-0.281	-0.452	-0.062
P14429	H2-Q7	0.206	0.403	-0.383	0.114	0.000	-0.472	-0.369	-0.198
P70452	Stx4	0.379	0.628	0.000	0.361	-1.230	0.582	0.088	-0.010
P12787	Cox5a	0.002	0.028	0.000	0.139	-0.028	0.629	0.454	0.629
Q8BKE6	Cyp20a1	0.000	0.014	0.000	0.088	-0.320	1.730	1.440	1.780
P04104	Krt1	0.277	0.498	-0.073	0.000	0.585	-0.156	1.390	1.350
P17439	Gba	0.007	0.049	0.708	0.000	-0.006	1.550	1.370	1.490
Q9D0M3	Cyc1	0.192	0.384	0.243	0.000	-0.038	0.016	0.587	0.597
Q7TSI3	Ppp6r1	0.005	0.040	0.000	-0.040	0.250	-0.738	-1.240	-0.832
Q80X85	Mrps7	0.051	0.158	0.000	0.066	-0.627	0.765	0.358	0.418
Q99ME9	Gtpbp4	0.155	0.329	0.013	-0.133	0.000	-0.088	-0.821	-0.361
Q00417	Tcf7	0.842	1.000	-1.160	0.000	0.065	-0.570	-0.372	0.138
Q922Q8	Lrrc59	0.002	0.028	0.000	0.070	-0.353	0.875	0.825	0.768
P24547	Impdh2	0.232	0.437	0.041	0.000	-0.289	-0.073	-0.748	-0.361
P70670	Naca	0.788	1.000	0.000	0.099	-0.468	-0.113	-0.429	-0.013
Q61152	Ptpn18	0.001	0.020	-0.173	0.000	0.344	-1.430	-1.960	-1.780
Q8BGQ7	Aars	0.540	0.807	0.245	0.000	-0.060	0.323	-0.318	-0.276
P35486	Pdha1	0.264	0.482	0.044	0.000	-0.235	0.792	0.073	-0.010

Q9CYZ2	Tpd52l2	0.037	0.129	0.129	-0.440	0.000	-0.566	-0.943	-1.290
P48024	Eif1	0.101	0.247	0.057	0.000	-0.056	-0.341	-0.676	-0.087
Q9CXU9	Eif1b	0.101	0.247	0.057	0.000	-0.056	-0.341	-0.676	-0.087
P70168	Kpnb1	0.204	0.400	-0.040	0.088	0.000	-0.081	-0.545	-0.064
P80318	Cct3	0.041	0.138	0.007	0.000	-0.029	-0.227	-0.751	-0.412
O88665	Brd7	0.381	0.630	0.000	-0.139	0.144	-0.197	-0.413	0.108
Q1HFZ0	Nsun2	0.102	0.247	0.289	0.000	-0.086	-0.029	-1.110	-0.849
P70333	Hnrnp2	0.656	0.932	-0.681	0.027	0.000	-0.074	-0.027	-0.211
Q80ZW2	Them6	0.880	1.000	0.000	2.290	-4.050	-2.070	0.845	0.459
Q9D1D4	Tmed10	0.017	0.081	0.000	0.326	-0.089	1.230	0.979	2.020
Q61166	Mapre1	0.016	0.079	0.211	-0.152	0.000	-0.500	-0.907	-1.160
Q6P542	Abcf1	0.342	0.582	0.361	-0.057	0.000	0.327	-0.666	-0.406
Q9DCE5	Pak1ip1	0.033	0.120	0.064	-0.123	0.000	-0.401	-0.996	-0.500
Q9JMH9	Myo18a	0.465	0.723	-0.001	0.000	0.173	0.109	-0.451	0.058
O88456	Capns1	0.707	0.983	-0.351	0.263	0.000	-0.211	-0.070	-0.033
Q8BJ71	Nup93	0.605	0.878	0.000	0.099	-0.117	0.056	-0.115	0.244
O88520	Shoc2	0.850	1.000	0.000	-0.539	0.000	-0.051	-0.911	0.193
P53810	Pitpna	0.002	0.023	0.000	0.117	-0.135	-1.010	-1.530	-1.350
P61804	Dad1	0.002	0.025	0.054	0.000	-0.232	1.770	1.190	1.270
P39749	Fen1	0.169	0.351	0.002	-0.215	0.000	-0.243	-0.778	-0.197
Q9WU81	Slc37a2	0.276	0.497	0.431	0.000	-0.628	0.442	0.392	0.173
P14148	Rpl7	0.006	0.044	0.207	-0.004	0.000	0.767	0.494	0.739
P61620	Sec61a1	0.001	0.019	0.000	0.072	-0.131	1.560	1.060	1.370
Q61171	Prdx2	0.040	0.134	0.089	0.000	-0.208	-0.353	-0.755	-0.402
Q9R1P3	Psmb2	0.006	0.044	0.222	0.000	-0.028	-0.810	-1.210	-1.570
Q8C7X2	Emc1	0.001	0.015	0.000	0.211	-0.285	1.450	1.340	1.440
Q9CQB5	Cisd2	0.179	0.365	0.000	0.161	-0.086	0.224	0.101	0.145
Q8CHP5	Pym1	0.018	0.083	-0.344	0.000	0.040	-0.801	-1.330	-0.753
Q8K3A0	Hscb	0.378	0.627	0.020	0.000	-7.410	-0.071	0.082	-0.054
Q3V1T4	P3h1	0.001	0.022	0.735	-0.994	0.000	4.580	3.830	4.310
Q8R3N6	Thoc1	0.334	0.571	0.080	0.000	-0.098	-0.259	-0.213	0.073
Q64737	Gart	0.258	0.473	0.691	0.000	-0.051	0.448	-0.834	-1.050
Q920Q6	Msi2	0.276	0.497	0.000	0.706	-0.324	1.510	1.050	-0.068
Q9Z1Q5	Clic1	0.005	0.039	-0.013	0.084	0.000	-0.653	-1.240	-1.010
Q9D6K5	Synj2bp	0.056	0.167	0.000	0.262	-0.061	0.573	0.279	0.805
O54786	Dffa	0.079	0.210	0.000	-0.630	0.300	-0.522	-1.400	-1.040
Q9EPL9	Acox3	0.674	0.951	0.021	0.000	-0.636	0.263	-0.494	-0.944
P97384	Anxa11	0.008	0.053	0.041	0.000	-0.141	-0.485	-0.611	-0.358
O35381	Anp32a	0.000	0.012	-0.159	0.084	0.000	-1.290	-1.590	-1.380
P07901	Hsp90aa1	0.021	0.090	0.000	0.010	-0.335	-0.557	-1.180	-1.010
Q64518	Atp2a3	0.176	0.360	0.078	0.000	-0.382	-0.145	-0.536	-0.666
Q9QZD8	Slc25a10	0.003	0.030	0.000	0.214	-0.415	1.190	1.260	1.510
P52633	Stat6	0.079	0.210	0.000	-0.088	0.044	-0.100	-0.740	-0.588
Q02111	Prkcq	0.722	1.000	0.000	1.430	-0.213	-0.229	0.752	0.016
P62305	Snrpe	0.123	0.283	0.000	0.203	-0.302	-0.339	-0.394	-1.200
Q80YV2	Zc3hc1	0.030	0.113	-0.583	0.055	0.000	-0.937	-0.866	-1.450
Q5SUR0	Pfas	0.006	0.045	-0.054	0.678	0.000	-1.340	-1.880	-1.200
Q80X50	Ubap2l	0.003	0.032	0.000	-0.103	0.353	1.140	0.971	1.270
Q9D8C4	Ifi35	0.019	0.085	-0.500	0.000	0.050	-1.010	-1.030	-1.700
Q7TMY8	Huwe1	0.222	0.423	0.263	-0.109	0.000	0.159	-0.989	-0.543
Q9JII6	Akr1a1	0.500	0.765	0.262	-0.011	0.000	0.150	-0.272	0.031
P25425	Pou2f1	0.006	0.047	-0.147	0.120	0.000	-0.422	-0.622	-0.496
O89017	Lgmn	0.545	0.813	1.600	-0.051	0.000	0.284	-0.932	0.738
Q9CWW6	Pin4	0.376	0.624	0.000	0.180	-0.252	-0.110	-0.344	-0.071
Q61733	Mrs31	0.132	0.296	0.000	0.114	-0.108	0.841	-0.005	0.687
Q8BHZ0	Fam49a	0.018	0.083	0.100	0.000	-0.048	-0.759	-2.060	-1.560
Q61074	Ppm1g	0.015	0.076	0.076	0.000	0.000	-0.823	-1.880	-1.110
Q8R2U0	Seh1l	0.165	0.347	-0.177	0.102	0.000	-0.189	-0.511	-0.117
Q64378	Fkbp5	0.009	0.056	-0.004	0.047	0.000	-0.637	-1.400	-1.220

Q91YE7	Rbm5	0.008	0.052	0.000	-0.307	0.016	-0.952	-1.520	-0.983
Q8BQ30	Ppp1r18	0.409	0.660	-0.391	0.000	0.142	-0.536	-0.383	0.028
Q8CBW3	Abi1	0.213	0.409	-0.378	0.171	0.000	0.201	0.069	0.305
P25976	Ubtf	0.014	0.072	-0.184	0.000	0.021	-0.544	-0.926	-0.527
Q9CQH3	Ndufb5	0.003	0.032	0.000	0.202	-0.151	0.682	0.684	0.812
Q8BH74	Nup107	0.749	1.000	-0.109	0.284	0.000	-0.001	-0.230	0.225
P97429	Anxa4	0.589	0.861	0.000	0.197	-0.094	0.014	-0.212	0.083
P03921	MtnD5	0.051	0.156	0.000	0.416	-0.059	0.695	0.639	1.400
Q9CY50	Ssr1	0.002	0.025	0.000	0.307	-0.320	1.390	1.330	1.580
P20060	Hexb	0.512	0.776	0.530	-0.073	0.000	0.432	-0.428	-0.245
Q922Y1	Ubxn1	0.019	0.087	0.000	-0.150	0.077	-0.496	-0.940	-0.493
P26350	Ptma	0.061	0.176	0.136	0.000	-0.615	-0.753	-2.920	-2.010
Q8C3J5	Dock2	0.006	0.047	0.009	0.000	-0.011	-0.628	-1.100	-0.665
O35593	PsmD14	0.036	0.125	0.000	-0.104	0.054	-0.306	-0.715	-0.334
Q64213	Sf1	0.008	0.054	0.000	0.089	-0.065	-0.205	-0.298	-0.238
Q8C9V1	Tbc1d10c	0.042	0.139	0.000	-0.523	0.236	-0.798	-1.680	-0.940
Q8K2I4	Manba	0.513	0.777	0.000	0.090	-0.405	0.151	-0.227	0.198
Q7TNV0	Dek	0.006	0.047	0.137	-0.007	0.000	-0.513	-1.050	-0.888
P62748	Hpcal1	0.005	0.041	0.000	0.247	-0.109	-0.560	-0.589	-0.515
P62918	Rpl8	0.638	0.914	0.175	-0.165	0.000	0.451	-0.129	-0.005
Q9Z1J3	Nfs1	0.866	1.000	0.239	0.000	-0.042	0.878	-0.349	-0.124
P17095	Hmga1	0.277	0.498	0.000	-0.453	0.203	-0.194	-1.160	-0.274
Q8VHR5	Gatad2b	0.198	0.392	-0.373	0.000	0.093	-0.487	-0.543	-0.135
Q8BHG1	Nrdc	0.000	0.008	-0.090	0.116	0.000	-1.730	-1.490	-1.520
P83741	Wnk1	0.046	0.149	-0.144	0.000	0.437	-0.714	-1.090	-0.318
O08582	Gtpbp1	0.039	0.133	0.342	-0.062	0.000	-0.272	-1.110	-0.866
Q9D0E1	HnrnpM	0.116	0.271	-0.089	0.068	0.000	-0.065	-0.477	-0.243
Q60631	Grb2	0.005	0.041	-0.091	0.403	0.000	-1.080	-1.510	-0.944
Q3UDW8	Hgsnat	0.535	0.803	0.177	0.000	-0.116	0.499	-0.142	0.120
P58059	Mrps21	0.054	0.163	0.000	0.089	-0.066	0.647	0.140	0.589
P14094	Atp1b1	0.004	0.034	-0.400	0.000	0.313	2.120	1.460	2.270
P53395	Dbt	0.046	0.149	0.000	0.286	-0.049	0.968	0.326	0.859
Q9ESW4	Agk	0.183	0.372	0.000	-0.572	0.077	0.527	-0.141	0.703
Q8BKS9	Pum3	0.196	0.389	0.136	0.000	-0.234	-0.103	-1.360	-0.447
O89110	Casp8	0.012	0.067	0.166	-0.032	0.000	-1.050	-1.120	-2.060
P42230	Stat5a	0.015	0.076	-0.331	0.072	0.000	-0.731	-1.550	-1.370
Q9Z2L7	Crlf3	0.015	0.076	0.078	-0.288	0.000	-0.879	-2.030	-1.700
Q9CZ83	Mrpl55	0.003	0.031	0.173	0.000	-0.267	0.903	0.758	0.928
O70492	Snx3	0.413	0.665	0.054	0.000	-0.003	0.688	-0.177	0.226
Q8BXA5	Ciptm1l	0.009	0.056	0.000	0.069	-0.288	0.729	0.507	0.942
Q8BG48	Stk17b	0.005	0.039	0.000	-0.182	0.023	-1.390	-1.950	-1.130
P46664	Adss	0.051	0.157	0.264	-0.674	0.000	-0.768	-1.940	-1.330
Q9DCT2	Ndufs3	0.021	0.090	-0.343	0.080	0.000	0.597	0.506	1.070
P62082	Rps7	0.231	0.435	0.000	0.021	-0.201	0.193	-0.095	0.370
Q3UM45	Ppp1r7	0.011	0.061	-0.459	0.000	0.147	-1.720	-1.920	-1.040
Q62465	Vat1	0.029	0.110	0.420	0.000	-0.104	1.170	0.561	1.040
Q61107	Gbp4	0.002	0.026	0.000	-0.009	0.293	-1.020	-1.590	-1.530
P43275	Hist1h1a	0.473	0.733	0.000	-0.398	0.015	-0.138	-0.623	-0.127
Q91VH2	Snx9	0.007	0.051	0.000	0.205	-0.383	1.650	1.140	0.994
Q9CRD2	Emc2	0.000	0.012	0.000	0.161	-0.136	1.450	1.330	1.590
Q99JX7	Nxf1	0.309	0.542	0.393	-0.510	0.000	-0.281	-0.727	-0.190
P63094	Gnas	0.019	0.087	-0.209	0.111	0.000	0.694	0.307	0.605
Q11011	Npepps	0.059	0.174	0.306	0.000	-0.087	-0.142	-0.600	-0.447
P02535	Krt10	0.910	1.000	-0.437	0.000	0.988	-0.544	0.928	0.386
P97314	Csrp2	0.001	0.019	-1.840	0.000	0.161	5.250	4.780	5.010
P18760	Cfl1	0.003	0.033	-0.271	0.034	0.000	-0.898	-1.220	-0.868
P62962	Pfn1	0.000	0.012	0.000	0.175	-0.052	-1.240	-1.510	-1.260
P49312	Hnrmpa1	0.225	0.427	-0.046	0.209	0.000	-0.160	-0.235	0.055
P97333	Nrp1	0.223	0.425	-0.500	0.000	0.295	-0.584	-0.652	-0.167

Q8VDP6	Cdipt	0.044	0.142	-0.068	0.082	0.000	0.492	0.133	0.466
P51660	Hsd17b4	0.034	0.122	0.027	0.000	-0.287	1.110	0.293	0.795
Q9D8N0	Eef1g	0.431	0.687	0.665	-0.080	0.000	0.863	-1.110	-0.938
Q05920	Pc	0.015	0.076	0.211	0.000	-0.913	2.850	1.420	1.760
P10649	Gstm1	0.260	0.476	1.250	0.000	-0.306	0.019	-0.763	-0.382
P61226	Rap2b	0.010	0.059	0.419	0.000	-0.170	1.050	0.866	0.897
Q3TDN2	Faf2	0.182	0.369	-0.615	0.705	0.000	0.072	1.380	2.500
Q8K358	Pigu	0.174	0.357	0.343	0.000	-1.340	0.317	1.360	5.340
P49442	Inpp1	0.013	0.070	-0.686	0.009	0.000	-2.310	-3.380	-1.760
P61957	Sumo2	0.255	0.469	0.000	-0.147	0.071	-0.215	-3.690	-0.576
Q8VCW8	Acsf2	0.374	0.623	0.347	-0.054	0.000	0.597	-1.130	-0.804
Q8K1J6	Trnt1	0.089	0.227	-0.056	0.000	0.076	-0.250	-0.666	-0.153
Q02248	Ctnnb1	0.001	0.018	0.000	1.470	-0.278	6.150	5.320	5.830
Q80VP0	Tecpr1	0.211	0.407	-0.458	0.000	0.797	-0.779	-0.878	-0.031
Q9WUN2	Tbk1	0.159	0.336	0.000	-0.120	0.216	-0.002	-1.180	-0.558
Q9CPR5	Mrpl15	0.032	0.119	0.144	-1.190	0.000	1.030	0.900	1.190
Q8CH25	Sltm	0.673	0.950	-0.415	0.000	0.073	-0.058	-0.117	0.051
Q8CBA2	Sifn5	0.102	0.247	0.000	-0.213	0.161	-0.133	-0.594	-0.422
Q9DCW4	Etfb	0.322	0.558	0.252	0.000	-0.128	0.867	-0.052	0.291
Q9DBR0	Akap8	0.021	0.092	0.000	0.298	-0.040	-0.520	-0.856	-0.359
Q3UQU0	Brd9	0.145	0.314	-0.026	0.000	0.187	-0.021	-1.600	-0.720
Q8VD26	Tmem143	0.001	0.022	-0.252	0.062	0.000	0.775	0.891	1.040
O35638	Stag2	0.144	0.311	0.000	0.186	-0.178	-0.177	-0.493	-1.410
Q8C1D8	lws1	0.115	0.270	0.000	-0.155	0.078	-0.329	-0.906	-0.206
Q9Z315	Sart1	0.004	0.038	-0.166	0.000	0.034	-0.707	-1.120	-0.776
Q9CQ54	Ndufc2	0.001	0.022	0.044	0.000	-0.180	0.889	0.645	0.923
P17918	Pcna	0.142	0.309	0.516	0.000	-0.203	-0.004	-0.794	-0.676
Q9CX86	Hnrnpa0	0.237	0.445	-0.227	0.000	0.302	0.083	-0.505	-0.595
Q8VCY6	Utp6	0.039	0.133	0.158	-0.187	0.000	-0.292	-0.675	-0.422
P99024	Tubb5	0.970	1.000	0.000	-0.069	0.025	0.542	-0.296	-0.257
P62317	Snrpd2	0.037	0.129	-0.005	0.066	0.000	-0.224	-0.407	-0.116
Q9CQ75	Ndufa2	0.016	0.078	-0.063	0.189	0.000	0.742	0.367	0.640
P45376	Akr1b1	0.002	0.023	-0.133	0.414	0.000	-1.310	-1.620	-1.300
Q00899	Yy1	0.078	0.208	0.000	-0.096	0.192	-0.240	-1.020	-0.413
P23780	Glb1	0.709	0.985	0.541	0.000	-0.380	0.396	0.028	0.086
Q8BKJ9	Sirt7	0.048	0.152	0.000	-0.263	0.089	-0.314	-0.839	-0.582
Q3UUUV5	Skap1	0.002	0.023	-0.314	0.000	0.236	-1.930	-2.300	-1.630
Q91VM5	Rbmx1	0.172	0.354	-0.370	0.000	0.091	-0.513	-0.512	-0.165
P09671	Sod2	0.023	0.096	-0.061	0.348	0.000	0.715	0.476	0.682
Q9D958	Spcs1	0.952	1.000	0.410	-1.850	0.000	0.580	-2.270	0.466
O88844	ldh1	0.617	0.891	0.610	0.000	-0.573	0.268	0.140	0.187
Q9DB42	Znf593	0.300	0.529	-0.360	0.000	0.352	-0.645	-0.477	0.060
P04441	Cd74	0.860	1.000	0.000	0.083	-0.265	-0.059	-0.135	-0.049
O55029	Copb2	0.051	0.158	0.023	0.000	-0.067	-0.281	-1.100	-0.638
P52431	Pold1	0.005	0.043	-0.206	0.235	0.000	-0.797	-1.220	-0.903
Q9Z1D1	Eif3g	0.484	0.747	0.391	0.000	-0.762	0.185	-1.290	-0.524
P27048	Snrpb	0.016	0.079	0.000	0.086	-0.061	-0.366	-0.857	-0.543
Q8K4L3	Svil	0.677	0.953	0.060	-0.124	0.000	0.329	-0.177	-0.004
Q99LP6	Grpel1	0.003	0.030	0.000	0.185	-0.177	1.010	0.736	0.977
Q9CR62	Slc25a11	0.026	0.105	0.013	0.000	-0.081	0.658	0.233	0.369
O35309	Nmi	0.000	0.008	0.000	-0.038	0.026	-0.966	-1.090	-0.910
Q8BKC5	Ipo5	0.805	1.000	0.128	0.000	-0.716	0.189	-0.657	-0.408
Q8BH97	Rcn3	0.000	0.010	0.000	0.300	-1.020	5.700	5.470	5.630
P42932	Cct8	0.038	0.129	0.019	0.000	-0.027	-0.248	-0.835	-0.494
Q8BHJ5	Tbl1xr1	0.162	0.341	-0.117	0.000	0.120	-0.368	-2.330	-0.539
Q9WUK4	Rfc2	0.057	0.169	0.113	0.000	-0.228	-0.245	-0.935	-0.770
Q8BH24	Tm9sf4	0.003	0.032	0.024	0.000	-0.422	0.875	0.752	0.962
Q921G8	Tubgcp2	0.065	0.184	0.000	-0.034	0.085	-0.377	-0.541	-0.083
Q3UPL0	Sec31a	0.955	1.000	0.030	-0.312	0.000	0.370	-0.502	-0.200

P45952	Acadm	0.441	0.697	0.020	0.000	-0.423	0.852	-0.186	-0.129
Q9Z2E1	Mbd2	0.061	0.176	-0.257	0.000	0.089	-0.475	-0.467	-0.235
Q6ZQF7	Jade2	0.007	0.048	-0.162	0.087	0.000	-0.756	-0.903	-0.512
Q9ERN0	Scamp2	0.659	0.935	0.258	0.000	-0.346	0.217	-0.347	-0.321
O35900	Lsm2	0.000	0.011	-0.100	0.000	0.134	-1.180	-1.020	-1.150
Q9CX30	Yif1b	0.001	0.018	-0.142	0.000	0.081	1.740	1.320	1.910
P51912	Slc1a5	0.002	0.025	0.161	0.000	-0.159	0.905	0.762	1.060
Q80ZS3	Mrps26	0.050	0.155	-0.354	0.562	0.000	0.950	0.666	0.952
Q99LH2	Ptdss1	0.004	0.038	0.073	0.000	-0.255	0.781	1.180	0.770
Q01965	Ly9	0.539	0.807	0.248	-0.106	0.000	-0.213	-0.306	0.254
P23198	Cbx3	0.053	0.162	-0.100	0.000	0.464	-0.392	-0.638	-0.271
O09061	Psmb1	0.002	0.022	0.000	0.060	-0.048	-0.871	-1.280	-0.911
P63028	Tpt1	0.111	0.264	-0.589	1.150	0.000	-2.170	-1.060	-0.523
Q9Z2Q5	Mrpl40	0.003	0.031	0.154	-0.056	0.000	0.713	0.525	0.546
Q9ES46	Parvb	0.600	0.873	0.000	0.158	-1.990	-0.638	-0.108	-3.010
E9PVA8	Gcn1	0.557	0.825	0.132	0.000	-0.329	0.500	-0.383	0.255
O88291	Znf326	0.531	0.798	-0.617	0.000	0.031	-0.141	-0.078	0.089
E9Q394	Akap13	0.012	0.068	-0.244	0.000	0.099	-0.813	-1.320	-0.739
Q8C2K5	Rasal3	0.018	0.083	-0.082	0.141	0.000	-0.512	-1.320	-0.924
P05555	Ilgam	0.903	1.000	1.640	-0.097	0.000	1.180	0.078	0.022
P23475	Xrcc6	0.009	0.056	0.040	0.000	-0.446	-0.978	-1.630	-1.300
Q04447	Ckb	0.070	0.192	0.000	0.157	-0.135	-0.164	-0.636	-0.365
Q924T2	Mrps2	0.014	0.073	0.000	0.348	-0.330	0.736	1.060	0.937
Q9Z1M8	Ik	0.021	0.092	0.000	0.281	-0.201	-0.702	-0.501	-0.461
D3YXK2	Safb	0.010	0.060	-0.321	0.077	0.000	-0.723	-0.601	-0.827
Q9CQA3	Sdhb	0.005	0.042	0.000	0.126	-0.143	0.648	0.433	0.552
O70251	Eef1b	0.042	0.140	0.083	-0.155	0.000	-0.239	-0.809	-0.633
Q6Q899	Ddx58	0.144	0.311	0.000	0.060	-0.766	-0.397	-1.090	-1.250
Q9CQ71	Rpa3	0.181	0.368	-0.082	0.000	0.202	-0.347	-0.889	-3.700
P21447	Abcb1a	0.208	0.404	-0.389	0.059	0.000	-0.616	-0.615	-0.099
Q99JI4	Psmd6	0.028	0.107	0.000	0.155	-0.067	-0.324	-0.253	-0.600
Q9DAS9	Gng12	0.017	0.080	1.250	-0.499	0.000	2.910	2.090	2.560
Q8CH02	Sugp1	0.095	0.237	-0.273	0.000	0.142	-0.752	-0.679	-0.159
O55128	Sap18	0.043	0.142	-0.163	0.000	0.168	-0.507	-2.010	-1.380
Q8CG76	Akr7a2	0.383	0.632	-0.121	0.000	0.029	0.397	-0.088	0.045
Q9QY24	Zbp1	0.179	0.364	-0.179	0.000	0.456	-0.213	-0.556	-0.097
Q8BJW6	Eif2a	0.743	1.000	0.280	-0.084	0.000	0.391	-0.452	-0.025
Q8C2Q3	Rbm14	0.597	0.870	-0.370	0.000	0.306	-0.338	-0.331	0.164
Q9D3P8	Plgrkt	0.012	0.069	-0.004	0.232	0.000	0.479	0.379	0.528
Q3UJD6	Usp19	0.246	0.457	0.704	-0.028	0.000	0.999	0.247	0.759
Q9ER69	Wtap	0.018	0.084	0.000	-0.142	0.111	-0.903	-1.710	-0.814
Q9D8B3	Chmp4b	0.033	0.119	0.000	-0.068	0.070	-0.181	-0.595	-0.445
Q9WVJ2	Psmd13	0.040	0.134	0.000	-0.037	0.010	-0.179	-0.699	-0.638
Q9D358	Acp1	0.010	0.060	0.000	0.034	-0.377	-0.763	-1.300	-1.250
P11031	Sub1	0.128	0.291	0.485	0.000	-0.229	-0.017	-1.030	-0.866
Q6ZWU9	Rps27	0.484	0.747	0.000	0.208	-0.051	0.074	-0.521	0.101
Q64282	Ifit1	0.387	0.636	0.484	-0.260	0.000	0.741	-0.075	0.507
Q9JK48	Sh3glb1	0.086	0.222	0.000	0.081	-0.382	-0.354	-0.952	-0.542
Q8BY89	Slc44a2	0.203	0.400	0.143	-0.178	0.000	0.730	-0.130	0.759
P98083	Shc1	0.721	1.000	0.042	-0.011	0.000	1.180	-0.727	0.209
Q9EQ28	Pold3	0.000	0.013	0.036	0.000	-0.085	-0.691	-0.831	-0.668
Q8BTI8	Srrm2	0.272	0.492	-0.683	0.000	0.080	-0.469	-0.866	-0.362
Q9CPW4	Arpc5	0.450	0.708	0.000	-0.098	0.034	0.163	-0.086	0.066
Q9WUU7	Ctsz	0.118	0.274	0.656	-0.102	0.000	0.028	-1.080	-0.862
Q922Q1	Mosc 2	0.217	0.416	0.000	0.380	-0.531	0.398	0.188	0.486
Q3THS6	Mat2a	0.000	0.013	0.099	-0.109	0.000	-0.881	-1.060	-0.919
Q6NVF9	Cpsf6	0.003	0.032	0.000	-0.136	0.019	-0.650	-0.911	-0.604
P05202	Got2	0.002	0.028	0.000	0.188	-0.073	0.799	0.617	0.665
P62874	Gnb1	0.000	0.013	0.000	0.012	-0.274	1.780	1.420	1.780

O08756	Hsd17b10	0.087	0.224	-0.012	0.447	0.000	0.862	0.393	0.563
Q9JL35	Hmgn5	0.058	0.171	-0.153	0.000	0.090	-0.490	-0.558	-0.153
Q05816	Fabp5	0.681	0.957	0.000	0.842	-2.280	0.637	-5.690	0.568
Q9QYB5	Add3	0.122	0.281	0.000	-0.422	0.087	-0.199	-1.070	-0.858
Q64133	Maoa	0.000	0.011	0.151	0.000	-0.761	3.640	3.580	3.770
P22315	Fech	0.179	0.364	0.378	-1.300	0.000	1.010	0.491	0.277
Q80V26	Impad1	0.000	0.014	0.210	-0.225	0.000	1.400	1.310	1.370
Q9DAA6	Exosc1	0.980	1.000	0.000	1.410	-0.356	-0.065	0.682	0.391
Q921K9	Bcl7b	0.026	0.105	-0.081	0.372	0.000	-0.672	-1.020	-0.387
Q99PV8	Bcl11b	0.314	0.547	-0.287	0.000	0.223	-0.356	-0.661	0.065
Q9CPQ8	Atp5l	0.001	0.022	-0.234	0.085	0.000	0.683	0.763	0.798
P24369	Ppib	0.003	0.033	0.000	0.096	-0.188	0.909	0.584	0.780
Q99LE6	Abcf2	0.419	0.673	0.556	-0.007	0.000	0.704	0.144	0.369
Q8BHB4	Wdr3	0.325	0.561	-0.953	0.000	0.292	-0.509	-0.492	-1.080
P21956	Mfge8	0.010	0.061	0.000	-0.252	0.038	1.480	0.660	1.380
O55126	Gbas	0.027	0.106	1.180	-0.355	0.000	1.730	1.880	2.050
O35368	Ifi203	0.019	0.087	-0.210	0.033	0.000	-0.572	-1.050	-1.390
Q8CH18	Ccar1	0.158	0.335	-0.956	0.094	0.000	-0.824	-1.620	-0.710
Q3UMR5	Mcu	0.004	0.038	0.000	0.207	-0.231	0.923	0.701	0.918
P84099	Rpl19	0.926	1.000	0.090	0.000	-0.109	0.249	-0.392	0.186
Q9R0H0	Acox1	0.000	0.012	0.521	0.000	-0.037	2.920	2.570	2.770
Q9D024	Ccdc47	0.003	0.031	0.000	0.288	-0.108	1.170	0.992	1.430
Q9WUR2	Eci2	0.392	0.641	-0.002	0.400	0.000	0.637	0.088	0.274
Q60766	Irgm1	0.018	0.083	0.051	0.000	-0.187	0.495	0.228	0.373
P62983	Rps27a	0.185	0.374	0.000	-0.150	0.017	-0.164	-0.623	-0.142
Q6ZWV3	Rpl10	0.061	0.176	0.051	-0.075	0.000	0.587	0.110	0.392
B9EJ86	Osbp18	0.137	0.302	0.203	0.000	-0.375	0.463	0.106	0.376
Q9Z2X1	Hnrnpf	0.015	0.076	-0.128	0.274	0.000	-0.417	-0.823	-0.664
P35700	Prdx1	0.130	0.293	0.028	0.000	-0.030	0.421	-0.006	0.325
P16330	Cnp	0.135	0.298	0.000	0.133	-0.102	-0.008	-0.671	-0.448
Q61735	Cd47	0.827	1.000	0.608	0.000	-0.357	-0.209	-0.255	1.080
Q05CL8	Larp7	0.002	0.029	0.038	-0.083	0.000	-0.704	-1.150	-0.895
Q61578	Fdxr	0.099	0.243	0.000	0.172	-0.061	-0.043	-0.801	-0.540
Q61136	Prpf4b	0.129	0.291	0.000	0.121	-0.928	-0.820	-0.932	-0.971
O88559	Men1	0.002	0.025	-0.161	0.000	0.096	-0.644	-0.763	-0.597
Q8K363	Ddx18	0.197	0.391	0.093	-0.221	0.000	0.055	-0.960	-0.698
Q8JZQ2	Afg3l2	0.015	0.076	0.000	0.090	-0.109	0.828	0.358	0.590
P62313	Lsm6	0.017	0.081	0.000	-0.578	0.234	-1.060	-1.350	-1.030
P62259	Ywhae	0.027	0.105	0.000	0.068	-0.183	-0.420	-1.160	-0.884
Q61753	Phgdh	0.305	0.536	0.093	0.000	-0.202	0.150	-0.694	-0.523
Q505F5	Lrrc47	0.193	0.385	0.492	0.000	-0.011	0.172	-0.814	-0.432
P07742	Rrm1	0.156	0.330	1.310	-0.668	0.000	-0.320	-1.880	-1.010
Q9CSN1	Snw1	0.101	0.247	0.000	-0.182	0.300	-0.364	-0.567	-0.141
Q9D880	Timm50	0.034	0.123	0.000	0.165	-0.056	0.558	0.221	0.486
Q6ZQ88	Kdm1a	0.170	0.353	0.000	0.467	-0.476	-0.467	-0.683	-0.320
Q08642	Padi2	0.002	0.027	0.000	-0.067	0.169	-1.410	-1.390	-0.906
Q7TSG2	Ctdp1	0.053	0.162	-0.333	0.000	0.669	-0.845	-1.500	-0.585
P97496	Smarcc1	0.887	1.000	-0.284	1.510	0.000	0.430	1.030	-0.553
Q9CPR4	Rpl17	0.058	0.171	0.038	0.000	-0.028	0.436	0.083	0.437
Q6A068	Cdc5l	0.072	0.196	-0.551	0.000	0.012	-0.825	-0.927	-0.473
P53986	Slc16a1	0.170	0.352	0.555	0.000	-0.036	1.090	0.354	0.539
Q60902	Eps15l1	0.605	0.878	0.310	-0.100	0.000	-0.085	-0.310	0.258
Q9QXT0	Cnpy2	0.001	0.019	0.000	0.051	-0.133	1.060	0.742	0.879
Q6A4J8	Usp7	0.012	0.067	0.000	-0.009	0.033	-0.659	-1.400	-0.850
Q9CYL5	Glpr2	0.076	0.205	0.000	-0.110	0.013	0.537	0.043	0.419
Q9CQW1	Ykt6	0.330	0.568	-0.082	0.999	0.000	0.328	0.902	1.060
Q61595	Ktn1	0.022	0.095	0.000	-0.106	0.163	0.570	0.650	1.220
Q6PF93	Pik3c3	0.004	0.034	0.000	0.082	-0.066	-0.656	-0.946	-1.160
P70296	Pebp1	0.000	0.012	-0.033	0.000	0.005	-1.230	-1.610	-1.490

P28271	Aco1	0.002	0.024	0.000	-0.026	0.042	-0.794	-1.280	-1.150
Q9QXB9	Drg2	0.746	1.000	0.545	-0.088	0.000	0.489	-0.337	-0.021
P29341	Pabpc1	0.216	0.413	0.000	0.523	-0.083	-0.141	-0.164	-0.096
Q64735	Cr1l	0.871	1.000	0.107	0.000	-0.145	0.063	-0.267	0.095
Q8BGU5	Ccny	0.233	0.438	-0.007	0.027	0.000	0.181	-0.036	0.360
Q8K2C9	Hacd3	0.081	0.213	-0.211	0.067	0.000	0.124	0.145	0.335
O70439	Stx7	0.141	0.308	0.241	0.000	-0.122	-0.013	-0.452	-0.348
Q8K2C7	Os9	0.015	0.075	-0.244	0.661	0.000	1.410	1.240	1.200
P62482	Kcnab2	0.556	0.825	0.000	0.764	-1.840	-0.436	-2.640	-0.126
Q501J6	Ddx17	0.007	0.048	-0.046	0.116	0.000	-0.532	-0.750	-0.397
P20065	Tmsb4x	0.010	0.058	0.187	0.000	-0.161	-1.300	-2.470	-1.480
P23708	NfyA	0.195	0.387	0.098	0.000	-0.157	-0.432	-0.614	-3.200
Q922Q9	Chid1	0.852	1.000	0.030	0.000	-0.341	-0.419	0.214	-0.239
P70399	Tp53bp1	0.062	0.178	0.267	0.000	-0.013	-0.418	-1.440	-0.510
Q3TIR3	Ric8a	0.860	1.000	0.000	-0.572	0.168	0.033	-1.140	0.413
Q5SSL4	Abr	0.067	0.188	0.000	-0.140	0.026	-0.313	-1.340	-0.724
Q9CZM2	Rpl15	0.017	0.080	0.110	0.000	-0.154	0.555	0.302	0.373
Q80UW8	Polr2e	0.036	0.126	0.000	-0.030	0.211	-0.203	-0.628	-0.347
Q9Z2A7	Dgat1	0.041	0.136	0.000	0.214	-0.404	0.617	0.361	0.650
Q99LJ6	Gpx7	0.000	0.012	0.150	-1.130	0.000	5.360	4.910	5.340
Q9WTX6	Cul1	0.660	0.936	0.000	-2.550	0.489	0.572	-1.490	-3.190
Q924Z4	Cers2	0.033	0.119	0.000	0.616	-0.229	0.912	0.981	0.929
Q9Z103	Adnp	0.796	1.000	-0.620	0.000	0.145	-0.140	-0.320	0.219
Q07113	Igf2r	0.000	0.008	0.000	-0.092	0.121	1.850	1.700	1.910
Q5XKN4	Jagn1	0.013	0.069	-0.346	0.043	0.000	0.703	0.682	1.270
Q9D706	Rpap3	0.076	0.205	0.123	-0.216	0.000	-0.201	-0.665	-0.416
Q9JHS3	Lamtor2	0.211	0.407	0.426	-0.037	0.000	0.206	-0.733	-0.512
A2AGT5	Ckap5	0.082	0.216	0.000	-0.236	0.124	-0.162	-0.706	-0.630
Q60865	Caprin1	0.278	0.499	0.134	0.000	-0.385	-0.068	-0.729	-0.380
Q8K019	Bclaf1	0.022	0.095	-0.039	0.072	0.000	-0.301	-0.823	-0.523
Q8BWF2	Gimap5	0.015	0.075	-0.145	0.000	0.167	-0.476	-0.802	-0.463
Q99MI6	Gimap3	0.015	0.075	-0.145	0.000	0.167	-0.476	-0.802	-0.463
Q8R323	Rfc3	0.159	0.336	0.374	0.000	-0.078	0.115	-1.040	-0.693
P97315	Csrp1	0.051	0.158	-2.340	0.000	1.880	2.360	4.050	4.750
Q8C522	Endod1	0.757	1.000	0.000	0.145	-0.042	0.232	-0.229	-0.045
Q9CQV8	Ywhab	0.002	0.028	-0.049	0.104	0.000	-0.851	-1.410	-1.150
Q921F2	Tardbp	0.080	0.211	0.004	0.000	-0.021	-0.142	-0.728	-0.349
P63280	Ube2i	0.764	1.000	0.000	0.245	-0.255	-0.134	-0.038	0.016
P68254	Ywhaq	0.006	0.046	-0.139	0.000	0.050	-0.858	-1.630	-1.230
Q8VDL4	Adpgk	0.170	0.352	0.785	0.000	-0.022	1.230	0.505	0.737
Q5XJE5	Leo1	0.033	0.119	-0.326	0.153	0.000	-0.839	-0.635	-1.470
Q4FK66	Prpf38a	0.020	0.088	0.219	-0.245	0.000	-0.513	-0.993	-0.699
Q9D855	Uqcrb	0.013	0.069	0.000	0.173	-0.233	0.669	0.448	0.554
Q5M8N4	Sdr39u1	0.975	1.000	-0.090	1.850	0.000	-0.753	1.040	1.390
Q8BRN9	Cc2d1b	0.026	0.105	0.000	0.668	-0.145	-1.050	-1.940	-0.829
Q8BH69	Sephs1	0.009	0.056	-0.042	0.000	0.303	-1.280	-1.270	-0.629
P70302	Stim1	0.048	0.152	0.074	0.000	-0.139	0.247	0.124	0.379
P19536	Cox5b	0.287	0.512	-0.201	0.104	0.000	0.204	-0.054	0.216
Q62093	Srsf2	0.063	0.181	0.470	-0.085	0.000	-0.167	-1.240	-1.120
Q8R050	Gspt1	0.272	0.492	0.345	-0.104	0.000	0.231	-0.805	-0.456
Q791V5	Mtch2	0.007	0.048	0.000	0.565	-0.017	1.160	1.140	1.190
P35279	Rab6a	0.697	0.973	0.155	0.000	-0.059	0.176	-0.128	0.205
P57784	Snrpa1	0.013	0.070	-0.141	0.155	0.000	-0.593	-0.649	-0.350
P14869	Rplp0	0.093	0.235	0.077	0.000	-0.078	0.564	0.057	0.406
P61022	Chp1	0.001	0.019	0.138	-0.075	0.000	1.490	1.050	1.450
Q8BLF1	Nceh1	0.001	0.019	0.000	0.056	-0.064	0.628	0.446	0.552
O54890	Itgb3	0.385	0.633	0.000	0.662	-0.700	-0.246	-0.257	-0.808
Q9JJ28	Flii	0.231	0.435	0.000	0.161	-0.371	-0.054	-0.816	-0.487
O70310	Nmt1	0.544	0.811	0.098	-0.428	0.000	0.144	-1.000	-0.217



Q3U1J4	Ddb1	0.021	0.091	-0.034	0.216	0.000	-0.354	-1.040	-0.931
Q9Z130	Hnrnpdl	0.499	0.764	0.000	0.040	-2.550	-0.201	-0.411	0.032
P62257	Ube2h	0.503	0.767	0.000	-0.443	0.167	-0.211	-0.606	-0.014
P62915	Gtf2b	0.008	0.054	0.170	0.000	-0.046	-0.454	-0.911	-0.672
O35250	Exoc7	0.017	0.080	-0.249	0.000	0.056	-0.422	-0.781	-0.742
P50172	Hsd11b1	0.261	0.477	0.205	0.000	-0.348	-0.044	-0.433	-0.522
Q6NZB0	Dnajc8	0.099	0.243	-0.028	0.000	0.279	-0.162	-0.578	-0.129
Q9CZY3	Ube2v1	0.009	0.057	0.000	-0.037	0.271	-0.626	-1.190	-0.739
Q9CY57	Chtop	0.143	0.309	-0.418	0.117	0.000	-0.544	-0.832	-0.228
Q9ET26	Rnf114	0.004	0.033	-0.147	0.271	0.000	-1.180	-1.710	-2.010
P35276	Rab3d	0.330	0.567	0.916	-0.442	0.000	0.434	-2.060	-0.646
Q91WN1	Dnajc9	0.034	0.122	-0.034	0.000	0.155	-0.381	-0.634	-0.195
Q7TNG5	Eml2	0.001	0.016	0.205	-0.013	0.000	-1.330	-1.840	-1.470
Q924K8	Mta3	0.030	0.114	-0.251	0.006	0.000	-0.565	-0.629	-0.314
Q9QXY6	Ehd3	0.016	0.079	-0.307	0.000	0.187	-0.555	-0.968	-0.899
Q62167	Ddx3x	0.437	0.694	0.572	-0.079	0.000	0.360	-0.179	-0.557
Q60996	Ppp2r5c	0.122	0.280	0.000	-0.686	0.064	-0.519	-1.030	-0.730
Q8BJY1	Psm5	0.005	0.039	0.000	-0.013	0.093	-0.877	-1.520	-0.988
Q61699	Hsph1	0.043	0.141	0.078	-0.155	0.000	-0.310	-1.080	-0.742
Q99K41	Emilin1	0.416	0.670	0.000	0.316	-1.210	0.517	0.065	-0.112
P62911	Rpl32	0.562	0.831	0.000	0.444	-0.453	0.516	-0.354	0.583
Q9CWX9	Ddx47	0.062	0.178	0.000	-0.105	0.012	-0.508	-1.220	-0.386
Q04207	Rela	0.003	0.030	0.000	-0.006	0.032	-0.840	-1.440	-1.170
B2RUP2	Unc13d	0.001	0.019	-0.112	0.000	0.027	-0.618	-0.760	-0.569
Q7TQK1	Ints7	0.079	0.211	-0.115	0.068	0.000	-0.097	-0.432	-0.299
P21278	Gna11	0.000	0.008	-0.109	0.262	0.000	3.110	2.800	3.100
Q60605	Myl6	0.043	0.141	-0.374	0.009	0.000	0.591	0.152	0.570
Q80T69	Rsb1	0.064	0.183	0.000	-0.349	0.070	-0.907	-0.869	-0.298
P09450	Junb	0.437	0.694	-0.450	0.000	0.615	-0.225	0.461	1.360
Q8VDD9	Phip	0.465	0.724	-0.464	0.000	0.167	-0.384	-0.642	0.057
Q811D0	Dlg1	0.287	0.512	0.849	-0.648	0.000	0.548	-2.010	-1.710
Q8K4B0	Mta1	0.791	1.000	0.000	-0.152	0.426	0.202	-0.311	0.179
P70280	Vamp7	0.346	0.587	-0.078	0.033	0.000	0.104	-0.400	-0.234
Q9QZE7	Tsnax	0.001	0.022	0.000	0.385	-0.165	-1.410	-1.900	-1.600
Q8R3N1	Nop14	0.332	0.570	-0.160	0.000	0.304	0.053	-0.677	-0.095
Q8BFP9	Pdk1	0.386	0.634	0.043	0.000	-0.101	0.101	-0.625	-0.165
Q99P81	Abcg3	0.243	0.453	0.251	0.000	-0.027	0.093	-0.358	-0.158
Q9CZ30	Ola1	0.090	0.230	0.164	0.000	-0.069	-0.178	-0.868	-0.330
Q6A0D4	Rftn1	0.286	0.511	0.030	0.000	-0.148	-0.005	-0.496	-0.184
Q99PP7	Trim33	0.047	0.150	-0.262	0.000	0.007	-0.335	-0.889	-0.588
Q99LM2	Cdk5rap3	0.442	0.699	0.000	-0.004	0.018	0.014	-0.017	0.147
Q6P1Y8	Inpp4b	0.035	0.125	-0.467	0.000	0.045	-1.560	-3.990	-2.020
O35604	Npc1	0.052	0.160	0.406	-0.105	0.000	0.918	0.427	0.686
P25444	Rps2	0.856	1.000	0.223	-0.069	0.000	0.402	-0.165	0.026
Q8R2M2	Dntip2	0.473	0.733	-0.541	0.000	0.436	-0.515	-0.348	-0.001
Q3UMU9	Hdgfrp2	0.090	0.230	0.082	-0.189	0.000	-0.315	-2.380	-1.430
Q9JM76	Arpc3	0.056	0.166	0.000	-0.035	0.058	0.405	0.091	0.299
Q9EQ20	Aldh6a1	0.368	0.615	0.300	0.000	-0.150	1.460	-0.061	0.226
O55135	Eif6	0.023	0.096	0.057	-0.012	0.000	-0.371	-0.879	-1.130
Q9Z0S1	Bpnt1	0.290	0.515	-1.300	0.000	0.199	-3.920	-2.080	0.204
Q3UYV9	Ncbp1	0.003	0.030	-0.103	0.026	0.000	-0.664	-0.913	-0.589
Q8R0X7	Sgpl1	0.003	0.033	0.000	0.081	-0.094	1.270	0.727	1.060
Q8K2M0	Mrpl38	0.002	0.024	0.114	0.000	-0.089	0.995	0.671	0.855
P16125	Ldhd	0.000	0.013	-0.212	0.132	0.000	-1.330	-1.570	-1.550
Q9DC50	Crot	0.119	0.276	0.000	-0.124	0.034	-0.050	-0.367	-0.340
P62071	Rras2	0.017	0.081	0.120	0.000	-0.083	2.130	0.816	1.860
Q80XU3	Nucks1	0.047	0.149	0.000	-0.362	0.201	-0.682	-2.200	-1.300
P23591	Tsta3	0.050	0.155	0.000	-0.683	0.362	-0.877	-1.760	-2.630
P97300	Nptn	0.044	0.143	-0.405	0.611	0.000	0.707	1.630	1.810

Q9Z127	Slc7a5	0.005	0.043	0.399	0.000	-0.183	1.980	1.200	1.790
G5E829	Atp2b1	0.001	0.020	-0.137	0.083	0.000	1.270	0.902	1.290
O35435	Dhodh	0.072	0.196	0.000	0.359	-1.330	0.638	1.240	1.160
Q9D7X8	Ggct	0.001	0.019	-0.269	0.000	0.357	-2.090	-1.980	-2.600
O35691	Pnn	0.019	0.085	-0.156	0.000	0.067	-0.334	-0.570	-0.348
Q91YU8	Ppan	0.916	1.000	-0.220	0.149	0.000	0.107	-0.314	0.077
Q9QXG4	Acss2	0.016	0.078	-0.138	0.694	0.000	-1.240	-2.430	-1.330
P40237	Cd82	0.269	0.488	-0.180	0.212	0.000	-0.365	-0.262	0.030
Q922J3	Clip1	0.034	0.122	0.415	-0.534	0.000	-1.450	-1.440	-0.712
Q6P5B0	Rrp12	0.301	0.529	0.369	-0.321	0.000	0.174	-0.805	-0.596
P21995	Emb	0.102	0.247	-0.018	0.022	0.000	0.401	0.018	0.398
Q6P9J9	Ano6	0.002	0.023	0.138	0.000	-0.273	1.220	0.975	1.320
Q8BUM3	Ptpn7	0.004	0.038	0.125	-0.871	0.000	-2.120	-2.240	-1.970
P50518	Atp6v1e1	0.837	1.000	0.431	0.000	-0.221	0.368	-0.169	0.175
Q8BYW1	Arhgap25	0.003	0.033	-0.351	0.267	0.000	-1.140	-1.230	-1.400
O88441	Mtx2	0.276	0.496	0.000	0.113	-0.108	0.703	-0.135	0.393
Q6P9Q4	Fhod1	0.095	0.238	0.000	0.192	-0.114	-0.066	-0.781	-0.583
Q9R0I7	Ylpm1	0.058	0.171	0.000	0.437	-0.223	-0.318	-0.631	-0.534
Q921N6	Ddx27	0.244	0.454	0.486	0.000	-0.037	0.216	-0.895	-0.357
Q9Z1Z0	Uso1	0.335	0.573	0.000	0.009	-0.654	0.355	-2.660	-1.290
Q8R127	Sccpdh	0.064	0.183	-0.667	0.216	0.000	0.428	0.527	0.710
B1AZI6	Thoc2	0.998	1.000	0.453	-0.343	0.000	-0.050	-0.330	0.488
Q18PI6	Cd84	0.101	0.247	-0.282	0.224	0.000	-0.350	-1.080	-0.397
Q8BY87	Usp47	0.774	1.000	-1.190	0.000	0.428	-0.271	-1.430	0.297
Q8BJ03	Cox15	0.015	0.075	0.000	-0.638	0.346	1.240	1.100	1.810
Q8R164	Bphl	0.031	0.114	0.197	0.000	-0.133	0.714	0.305	0.778
Q3THG9	Aarsd1	0.001	0.019	-0.043	0.000	0.016	-0.899	-1.240	-1.330
Q920E5	Fdps	0.104	0.252	1.020	0.000	-0.336	1.880	0.878	1.120
Q9JII5	Dazap1	0.028	0.107	0.000	0.377	-0.062	-0.451	-0.655	-0.308
Q8K003	Tma7	0.203	0.399	0.000	-0.024	0.550	0.396	0.384	0.845
P28656	Nap111	0.113	0.267	0.177	-0.254	0.000	-0.193	-0.671	-0.353
Q9DAW6	Prpf4	0.005	0.039	0.000	0.312	-0.251	-0.873	-0.940	-1.050
Q3TW96	Uap111	0.784	1.000	-0.947	0.000	0.254	0.223	-0.282	-0.282
Q62383	Supt6h	0.838	1.000	0.314	-0.950	0.000	0.804	0.583	-1.490
O09130	Nfatc2ip	0.031	0.115	0.000	-0.134	0.049	-0.815	-2.260	-1.240
Q8VDM4	Psm2	0.239	0.447	0.042	-0.316	0.000	-0.103	-0.642	-0.329
Q9DBF1	Aldh7a1	0.000	0.009	0.000	0.318	-0.191	2.700	2.460	2.520
Q99MR8	Mccc1	0.382	0.631	0.014	0.000	-0.317	0.811	-0.251	0.108
Q6ZQB6	Ppip5k2	0.003	0.033	0.000	0.042	-0.056	-0.461	-0.578	-0.345
P28063	Psm8	0.001	0.014	-0.160	0.000	0.024	-1.350	-1.790	-1.440
P11438	Lamp1	0.050	0.156	0.166	-0.304	0.000	0.879	0.236	0.715
Q60790	Rasa3	0.846	1.000	0.000	0.108	-0.282	0.257	-0.193	-0.123
Q9CY97	Ssu72	0.032	0.118	-0.131	0.000	0.023	-0.703	-1.630	-0.740
Q925I1	Atad3	0.245	0.456	0.000	0.064	-0.526	0.689	-0.048	0.094
Q8R149	Bud13	0.404	0.655	0.211	-0.128	0.000	0.438	-0.129	-5.790
Q8BJ05	Zc3h14	0.250	0.462	0.000	-0.321	0.346	-1.400	-0.546	0.077
Q8BG05	Hnrnpa3	0.572	0.842	0.000	0.531	-0.203	-0.478	-0.064	0.294
Q9WVL0	Gstz1	0.112	0.265	0.000	0.163	-0.024	1.190	0.487	0.239
Q9DB25	Alg5	0.009	0.058	0.000	-0.448	0.027	0.870	0.529	0.843
O55143	Atp2a2	0.001	0.018	0.000	0.045	-0.311	1.460	1.100	1.270
Q6QD59	Bnip1	0.831	1.000	0.000	-0.712	0.039	-0.271	-0.640	0.026
P56376	Acyp1	0.087	0.224	0.000	-0.217	0.506	-0.816	-1.530	-0.252
P58771	Tpm1	0.375	0.623	0.000	0.208	-0.022	0.058	-0.868	0.051
Q7TNC4	Luc7l2	0.063	0.180	0.454	-0.011	0.000	-0.152	-1.330	-1.050
Q922H2	Pdk3	0.193	0.385	0.065	0.000	-0.219	0.781	-0.001	0.229
Q9CQJ6	Denr	0.330	0.568	0.249	-0.263	0.000	0.475	-0.043	0.254
Q00612	G6pdx	0.184	0.373	1.060	-0.237	0.000	0.116	-0.895	-0.924
P29452	Casp1	0.002	0.027	-0.321	0.027	0.000	-1.120	-1.610	-1.380
O54957	Lat	0.507	0.771	-0.255	0.567	0.000	0.081	0.134	0.862

Q05117	Acp5	0.229	0.433	0.477	0.000	-0.821	-0.165	-0.959	-1.720
Q3TzM9	Alg11	0.001	0.021	0.265	0.000	-0.147	1.390	1.080	1.260
Q6ZQ03	Fnbp4	0.001	0.017	0.000	-0.040	0.153	-0.833	-1.160	-1.090
Q99J62	Rfc4	0.246	0.457	0.532	-0.054	0.000	0.414	-0.865	-1.300
Q9CQU3	Rer1	0.001	0.015	0.049	0.000	-0.033	0.920	0.802	1.120
P56812	Pdcd5	0.007	0.049	-0.173	0.137	0.000	-1.160	-1.590	-0.851
Q5SVQ0	Kat7	0.002	0.025	-0.004	0.000	0.180	-0.725	-1.080	-0.767
Q8BGT7	Smndc1	0.168	0.349	-0.203	0.000	0.691	-1.140	-1.620	0.190
Q08481	Pecam1	0.631	0.907	0.000	1.060	-0.637	-0.841	0.355	-0.038
Q4VAA2	Cdv3	0.723	1.000	0.000	-0.140	0.131	0.438	-0.344	0.172
P61087	Ube2k	0.014	0.072	0.193	0.000	-0.032	-0.552	-1.380	-1.130
P59114	Pcif1	0.284	0.508	0.000	-0.966	0.255	-0.704	-2.550	-0.344
Q6PAM1	Txlna	0.425	0.679	0.512	-0.234	0.000	1.380	0.111	0.072
Q9EPL8	Ipo7	0.513	0.776	0.430	-0.700	0.000	0.125	-1.260	-0.270
Q9JMA2	Qtrt1	0.001	0.019	0.000	0.059	-0.158	-0.700	-0.758	-0.891
Q640N3	Arhgap30	0.048	0.151	-0.074	0.000	0.135	-0.461	-1.900	-1.130
P41241	Csk	0.102	0.248	0.002	0.000	-0.016	-0.072	-0.837	-0.511
Q3UBX0	Tmem109	0.186	0.376	0.000	-4.730	0.023	0.839	0.983	1.030
Q8R146	Apeh	0.003	0.031	-0.048	0.000	0.071	-1.000	-1.700	-1.640
Q8R0L9	Tada3	0.199	0.394	-0.089	0.639	0.000	-0.084	-0.212	-0.232
Q6P9N1	Fam126a	0.432	0.687	-0.621	2.050	0.000	0.332	1.680	1.890
Q8VCX5	Micu1	0.567	0.836	-0.165	0.177	0.000	1.300	-0.698	0.513
Q99JW4	Lims1	0.478	0.740	0.000	0.120	-0.598	0.349	-0.126	-0.073
Q6ZWR6	Syne1	0.727	1.000	0.859	-1.990	0.000	0.386	0.188	-0.688
Q99M87	Dnaja3	0.029	0.112	0.003	0.000	-0.329	0.713	0.216	0.625
Q80SU7	Gvin1	0.117	0.273	0.231	0.000	-0.019	0.045	-0.881	-0.733
B2RY04	Dock5	0.009	0.057	-0.206	0.037	0.000	-0.766	-1.150	-0.647
Q5SUF2	Luc7l3	0.021	0.091	0.264	0.000	-0.087	-0.609	-1.770	-1.470
Q09200	B4galnt1	0.004	0.036	0.052	-0.019	0.000	-0.568	-0.695	-0.380
Q06138	Cab39	0.004	0.036	0.105	-0.146	0.000	-0.761	-1.280	-1.010
Q9D379	Ephx1	0.000	0.012	0.114	-0.040	0.000	1.700	1.320	1.580
Q9JIF7	Copb1	0.018	0.084	0.000	0.412	-0.073	-0.488	-1.040	-1.230
Q9ESE1	Lrba	0.000	0.013	-0.292	0.080	0.000	-1.440	-1.500	-1.340
Q9CQ40	Mrpl49	0.092	0.233	0.339	0.000	-0.837	0.637	0.883	0.445
O08573	Lgals9	0.391	0.640	0.475	0.000	-0.125	0.251	-0.413	-0.271
Q6PR54	Rif1	0.046	0.148	0.000	-0.091	0.018	-0.254	-0.829	-0.460
Q9ESV0	Ddx24	0.175	0.360	0.000	0.189	-0.128	0.133	-1.170	-0.925
Q8CIM8	Ints4	0.007	0.048	-0.070	0.095	0.000	-0.300	-0.542	-0.502
Q6P6J9	Txndc15	0.896	1.000	0.417	0.000	-1.790	-0.136	-1.240	0.342
Q8VBW6	Nae1	0.028	0.108	-0.019	0.000	0.206	-0.776	-2.140	-1.120
Q3TGF2	Fam107b	0.166	0.347	0.000	-0.310	0.205	-0.458	-0.714	-0.106
P50171	Hsd17b8	0.804	1.000	-0.055	0.000	0.133	0.345	-0.437	-0.015
Q68FL4	Ahcyl2	0.099	0.244	0.091	-0.030	0.000	-0.016	-0.637	-0.577
Q60960	Kpna1	0.132	0.296	0.000	0.990	-0.334	-1.180	-0.338	-0.508
Q6PD26	Pigs	0.001	0.020	0.000	0.161	-0.055	0.792	0.665	0.633
P62267	Rps23	0.689	0.965	0.013	-0.028	0.000	0.271	-0.356	0.363
P16675	Ctsa	0.839	1.000	0.308	0.000	-0.004	1.220	-0.818	-0.515
Q8R3F5	Mcat	0.181	0.368	0.020	0.000	-0.178	0.816	-0.052	0.333
Q9DCN2	Cyb5r3	0.000	0.005	0.000	0.161	-0.051	2.080	1.950	2.120
O08550	Kmt2b	0.024	0.100	0.000	-0.032	0.324	-0.352	-0.570	-0.287
Q9DB15	Mrpl12	0.006	0.044	0.000	0.110	-0.240	0.803	0.551	0.609
Q921L3	Tmco1	0.013	0.070	0.210	0.000	-0.647	1.070	1.350	0.878
Q99NB1	Acss1	0.101	0.247	0.000	0.064	-0.261	-0.149	-0.573	-0.593
Q9EQI8	Mrpl46	0.017	0.081	0.194	0.000	-0.083	1.000	0.471	0.691
Q8R574	Prpsap2	0.015	0.076	0.000	-0.221	0.127	-0.692	-1.420	-0.898
O35639	Anxa3	0.011	0.063	0.503	0.000	-0.324	1.340	1.040	1.270
Q9WVJ3	Cpq	0.146	0.315	0.375	0.000	-0.250	-0.094	-0.745	-0.448
Q68FH4	Galk2	0.009	0.056	0.000	0.100	-0.032	-0.657	-1.280	-0.781
Q8C163	Exog	0.071	0.194	-0.225	0.654	0.000	0.703	0.765	1.070

O35609	Scamp3	0.623	0.898	-0.255	0.000	0.047	-0.117	-0.199	-0.056
P03930	Mtntp8	0.027	0.105	-0.070	0.024	0.000	0.738	0.252	0.830
P62270	Rps18	0.436	0.693	0.154	-0.073	0.000	0.130	-0.385	-0.087
Q80UM7	Mogs	0.021	0.090	0.000	0.122	-0.001	0.478	0.248	0.578
Q8C1B7	Sept 11	0.137	0.302	-0.140	0.191	0.000	0.444	0.081	0.326
Q80X82	Sympk	0.294	0.522	0.000	1.070	-0.036	-0.491	-0.519	0.363
Q5U458	Dnajc11	0.066	0.185	0.771	-0.042	0.000	1.780	1.580	0.657
P97311	Mcm6	0.032	0.116	0.272	-0.017	0.000	-0.280	-1.070	-0.927
Q8VDJ3	Hdlbp	0.079	0.209	0.211	0.000	-0.388	1.260	0.312	0.588
Q61292	Lamb2	0.013	0.070	0.471	-3.200	0.000	4.150	3.830	4.190
O08600	Endog	0.058	0.171	-0.172	0.406	0.000	-0.439	-0.313	-0.402
Q9ER00	Stx12	0.134	0.298	0.205	0.000	-1.040	1.720	-0.121	1.470
Q61263	Soat1	0.202	0.397	-1.560	0.617	0.000	0.381	0.756	1.000
P08030	Aprt	0.013	0.071	0.398	-0.078	0.000	-0.482	-0.881	-0.702
O35459	Ech1	0.045	0.146	0.000	0.120	-0.262	0.291	0.279	0.264
P47968	Rpia	0.160	0.337	0.718	-0.577	0.000	-0.741	-2.220	-0.389
Q91XD7	Creld1	0.012	0.067	0.000	0.730	-0.301	1.590	1.500	2.140
Q6ZPQ6	Pitpnm2	0.007	0.048	-0.296	0.000	0.192	-0.918	-1.170	-0.791
Q924C1	Xpo5	0.198	0.392	0.232	0.000	-0.052	0.150	-1.420	-0.684
Q8VDC0	Lars2	0.390	0.640	0.288	0.000	-4.090	0.945	-0.292	-0.213
Q8CEC6	Ppwd1	0.002	0.025	0.000	0.104	-0.053	-0.865	-0.835	-0.565
Q8K021	Scamp1	0.737	1.000	0.000	0.045	-0.281	-0.544	-0.201	1.040
P62908	Rps3	0.186	0.376	0.099	0.000	-0.178	-0.074	-0.632	-0.252
Q497V5	Srbd1	0.629	0.904	0.000	-0.755	0.097	-0.082	-0.855	-0.278
P34022	Ranbp1	0.071	0.195	0.406	-0.097	0.000	-0.243	-1.450	-0.795
Q9CRA8	Exosc5	0.006	0.046	-0.019	0.000	0.245	-0.631	-0.827	-0.461
Q8K2X3	Obfc1	0.025	0.101	-0.192	0.301	0.000	-0.567	-1.010	-0.532
Q3UHB1	Nt5dc3	0.001	0.014	0.000	0.448	-0.077	2.160	2.160	2.560
Q9ESU6	Brd4	0.610	0.884	0.000	0.102	-0.420	-0.365	-0.366	0.059
Q60775	Elf1	0.189	0.380	-0.298	0.000	0.179	-0.917	-2.490	-0.101
Q9JJK2	Lancl2	0.097	0.240	0.477	-0.052	0.000	-0.074	-0.884	-0.483
Q80YW0	Cyth4	0.013	0.070	0.000	-0.147	0.123	-0.448	-0.948	-0.724
Q9CWW7	Cxxc1	0.381	0.630	-0.019	0.834	0.000	-0.213	0.075	0.075
Q9DCJ5	Ndufa8	0.075	0.202	0.000	1.300	-0.142	1.220	1.620	2.010
O08529	Capn2	0.746	1.000	-0.207	0.000	0.072	0.305	-0.569	-0.147
Q9D020	Nt5c3a	0.008	0.053	0.000	0.443	-0.151	-0.917	-1.350	-0.880
Q62393	Tpd52	0.002	0.027	0.298	-0.017	0.000	-0.642	-0.624	-0.600
Q9Z0H4	Celf2	0.075	0.202	-0.319	0.000	0.094	-0.466	-0.487	-0.283
Q8VDP3	Mical1	0.105	0.252	-0.304	0.256	0.000	-0.186	-1.030	-1.600
Q921G7	Etfdh	0.009	0.055	0.011	0.000	-0.217	0.785	0.394	0.573
Q9JHS4	Clpx	0.557	0.825	0.335	0.000	-0.328	1.540	-0.635	0.363
Q8BK72	Mrps27	0.012	0.068	0.000	0.528	-0.256	1.200	1.050	1.510
O70475	Ugdh	0.023	0.096	0.529	0.000	-0.191	2.030	0.941	1.470
Q93092	Taldo1	0.006	0.044	0.013	0.000	-0.200	-1.010	-1.870	-1.490
O70293	Grk6	0.047	0.150	0.170	-0.136	0.000	-0.401	-1.250	-0.613
Q99LH1	Gnl2	0.400	0.651	-0.012	0.347	0.000	0.181	0.019	-0.682
Q03347	Runx1	0.085	0.221	-0.073	0.000	0.462	-0.343	-0.360	-0.146
Q9DBR1	Xrn2	0.619	0.893	0.182	-3.030	0.000	-0.079	-0.512	-0.558
Q8BVQ5	Ppme1	0.046	0.149	0.000	-0.304	0.094	-0.600	-2.320	-1.730
P58389	Ppp2r4	0.004	0.035	0.000	0.159	-0.258	-0.987	-1.580	-1.380
Q9D7S7	Rpl22l1	0.056	0.168	0.639	-0.126	0.000	1.190	0.683	0.870
Q9CQI3	Gmfb	0.027	0.105	-0.614	0.344	0.000	-1.170	-1.820	-1.060
Q6P8X1	Snx6	0.080	0.211	0.179	-0.169	0.000	-0.355	-1.340	-0.535
Q922S4	Pde2a	0.073	0.199	0.280	-0.058	0.000	-0.909	-2.760	-0.790
Q9Z2W0	Dnpep	0.888	1.000	-0.137	0.062	0.000	0.083	-0.199	0.092
Q6ZPR5	Smpd4	0.671	0.948	-0.120	0.000	0.029	0.054	-0.374	0.028
Q8R0F5	Rbmx2	0.033	0.119	0.125	0.000	-0.033	-0.510	-1.190	-0.479
Q62186	Ssr4	0.004	0.036	0.000	0.264	-0.140	1.460	1.390	2.160
Q8BFZ3	Actbl2	0.527	0.794	0.000	-1.890	1.230	-0.488	0.989	0.984

P48962	Slc25a4	0.000	0.013	0.000	0.359	-0.136	2.120	1.860	2.070
P14234	Fgr	0.214	0.412	0.781	0.000	-0.781	-0.032	-1.290	-1.570
Q61805	Lbp	0.929	1.000	1.500	0.000	-0.715	0.961	-0.240	-0.151
Q8K3H0	App1	0.122	0.280	-0.019	0.000	0.087	0.005	-0.899	-0.625
Q9CQU0	Txndc12	0.033	0.119	0.153	-0.268	0.000	0.484	0.520	1.080
Q9D2H6	Sp2	0.814	1.000	-0.748	0.000	0.314	-0.304	-0.704	0.256
Q9Z183	Padi4	0.348	0.589	0.465	-0.149	0.000	0.230	-0.725	-0.248
Q6ZPZ3	Zc3h4	0.051	0.157	0.058	-0.071	0.000	-0.559	-1.210	-0.369
Q9CQX2	Cyb5b	0.013	0.071	-0.164	0.064	0.000	0.975	0.423	0.947
P30412	Ppic	0.000	0.004	0.211	0.000	-0.045	4.510	4.650	5.030
Q8R1V4	Tmed4	0.003	0.033	0.009	0.000	-0.106	0.740	0.516	0.912
Q02257	Jup	0.002	0.027	-0.066	0.000	0.472	1.290	1.510	1.590
Q8CG46	Smc5	0.067	0.188	0.000	-0.111	0.174	-0.168	-0.552	-0.273
P42232	Stat5b	0.007	0.048	-0.226	0.000	0.150	-0.984	-1.490	-0.914
P55200	Kmt2a	0.043	0.142	-0.334	0.008	0.000	-0.582	-1.070	-0.506
Q91W98	Slc15a4	0.614	0.889	0.885	-1.730	0.000	0.497	-0.217	0.175
Q9CPQ3	Tomm22	0.010	0.061	-0.029	0.000	0.186	1.040	0.523	0.946
Q8C147	Dock8	0.007	0.050	-0.108	0.071	0.000	-0.609	-1.200	-0.943
Q9R1T2	Sae1	0.001	0.022	-0.100	0.000	0.086	-1.310	-1.900	-1.410
Q8BFQ4	Wdr82	0.490	0.754	-0.084	1.340	0.000	-0.615	-2.410	1.500
P70349	Hint1	0.003	0.030	-0.064	0.000	0.148	-1.010	-1.670	-1.260
Q9D2M8	Ube2v2	0.013	0.069	-0.093	0.000	0.331	-0.566	-1.180	-0.850
O70318	Epb4112	0.014	0.073	0.087	-0.042	0.000	1.630	0.720	1.050
P70335	Rock1	0.917	1.000	-0.464	0.059	0.000	0.136	-0.564	0.117
Q8BWy3	Etf1	0.036	0.125	0.100	-0.068	0.000	-0.716	-1.340	-0.441
Q01405	Sec23a	0.212	0.409	0.000	-0.038	0.008	0.653	-0.087	0.364
Q9D287	Bcas2	0.044	0.145	-0.673	0.000	0.145	-1.230	-1.000	-0.769
P70224	Gimap1	0.037	0.127	-0.253	0.025	0.000	-0.508	-0.642	-0.305
Q6ZQ08	Cnot1	0.189	0.380	0.131	0.000	-0.006	0.096	-0.868	-0.442
Q9D1M0	Sec13	0.774	1.000	0.000	0.076	-0.324	-0.229	0.354	-0.169
P18155	Mthfd2	0.034	0.122	0.000	0.357	-0.941	0.795	1.290	1.380
O70546	Kdm6a	0.111	0.263	0.014	-0.113	0.000	-0.286	-0.636	-0.129
P70697	Urod	0.023	0.096	0.306	0.000	-0.652	-1.230	-2.010	-1.240
Q9QYJ3	Dnajb1	0.023	0.096	0.060	0.000	-0.117	-0.733	-1.600	-0.788
P26323	Fli1	0.274	0.494	0.000	-0.113	0.253	0.070	-0.670	-0.183
Q9DCZ4	Apoo	0.004	0.037	0.000	0.124	-0.197	0.733	0.566	0.860
P15920	Atp6v0a2	0.003	0.033	0.000	0.059	-0.066	0.643	0.434	0.744
Q61466	Smarcd1	0.126	0.287	-0.202	0.000	0.061	-0.260	-0.833	-0.252
Q8BSQ9	Pbrm1	0.031	0.114	0.000	0.231	-0.058	-0.850	-1.020	-0.291
Q9QVP9	Ptk2b	0.038	0.131	-1.180	0.133	0.000	-1.480	-1.840	-1.650
P62996	Tra2b	0.066	0.186	0.283	-0.028	0.000	-0.167	-0.937	-1.350
O88890	Sh2d1a	0.185	0.374	-0.831	0.461	0.000	-2.030	-0.784	-0.473
Q8CHI8	Ep400	0.615	0.889	-2.080	0.000	0.300	-0.174	-0.489	0.144
Q8K2H4	Acap1	0.037	0.129	-0.174	0.000	0.030	-0.286	-0.504	-0.266
Q8BWU5	Osgep	0.031	0.114	0.000	0.021	-0.337	-1.120	-2.230	-0.990
Q9DCM0	Ethe1	0.636	0.912	0.000	0.137	-0.820	0.135	-0.445	0.180
Q99N93	Mrpl16	0.172	0.355	0.000	0.020	-0.274	0.737	-0.068	0.326
Q91WQ5	Taf5l	0.070	0.193	-0.572	0.072	0.000	-0.475	-1.060	-0.998
Q78XF5	Ostc	0.000	0.012	0.000	0.306	-0.226	2.330	2.190	2.510
P62897	Cyca	0.205	0.401	0.000	0.081	-0.533	-0.300	-0.469	-0.708
Q9CXE7	Tmed5	0.012	0.068	0.000	0.150	-0.065	0.610	0.334	0.624
Q8BWG8	Arrb1	0.003	0.032	0.094	0.000	-0.186	-0.771	-1.060	-0.747
Q6NVG1	Lpcat4	0.557	0.825	1.640	-0.603	0.000	0.733	-2.380	0.392
P97352	S100a13	0.076	0.205	0.121	-0.269	0.000	-0.471	-1.150	-0.410
Q61990	Pcbp2	0.167	0.348	0.037	0.000	-0.006	-0.016	-0.517	-0.184
O35598	Adam10	0.952	1.000	0.337	0.000	-0.128	0.350	-0.150	0.048
P54729	Nub1	0.979	1.000	0.840	0.000	-0.638	1.160	0.303	-1.330
P84089	Erh	0.027	0.107	-0.352	0.000	0.217	-1.060	-2.580	-1.450
Q8BQ47	Cnpy4	0.431	0.687	-0.487	0.000	0.258	-1.090	-0.890	0.397

P13379	Cd5	0.724	1.000	0.000	0.432	-2.100	-0.529	-0.610	0.443
P31786	Dbi	0.001	0.019	0.000	0.100	-0.167	-1.290	-1.720	-1.290
P16045	Lgals1	0.944	1.000	0.000	1.160	-0.293	0.381	0.217	0.367
Q9WUK2	Eif4h	0.613	0.888	0.000	-0.268	0.057	-0.012	-0.659	0.052
P97821	Ctsc	0.036	0.126	0.633	-0.023	0.000	-0.313	-1.010	-0.904
P63325	Rps10	0.296	0.524	0.877	0.000	-0.932	1.130	0.005	1.120
Q9R045	Angptl2	0.066	0.186	0.000	1.160	-3.870	3.180	2.590	3.020
Q91WM3	Rrp9	0.048	0.152	0.000	-0.070	0.006	-0.208	-0.689	-0.376
P97370	Atp1b3	0.009	0.056	0.000	0.096	-0.048	0.414	0.419	0.703
P62751	Rpl23a	0.082	0.216	0.090	-0.198	0.000	0.425	0.101	0.242
Q9D0B0	Srsf9	0.011	0.066	0.020	0.000	-0.159	-0.652	-1.270	-0.798
Q9R062	Gyg1	0.243	0.454	0.654	0.000	-0.020	0.224	-0.695	-0.316
Q921I1	Tf	0.819	1.000	0.000	-0.479	0.122	0.389	-0.261	-0.276
Q9DAT2	Mrgbp	0.207	0.404	-0.081	0.000	0.111	-0.097	-1.350	-0.296
Q9R1E0	Foxo1	0.005	0.039	-0.131	0.075	0.000	-0.360	-0.460	-0.388
Q9WTR1	Trpv2	0.227	0.430	0.000	0.025	-0.046	0.378	-0.095	0.370
Q80TG1	Kansl1	0.986	1.000	-1.300	0.000	0.119	-0.573	-0.707	0.071
O70194	Eif3d	0.591	0.864	0.071	0.000	-0.109	0.166	-0.463	-0.074
Q99LR1	Abhd12	0.002	0.026	0.137	0.000	-0.385	1.300	1.020	1.320
P97310	Mcm2	0.021	0.090	0.214	-0.065	0.000	-0.388	-1.080	-0.810
Q62095	Ddx3y	0.466	0.724	0.597	-0.003	0.000	0.486	-0.267	-0.483
Q9JLI6	Scly	0.000	0.013	-0.263	0.000	0.067	-1.830	-1.890	-1.550
P26645	Marcks	0.049	0.154	0.063	0.000	-0.390	2.040	0.474	1.140
Q3UKJ7	Smu1	0.022	0.095	-0.083	0.468	0.000	-0.675	-0.709	-0.392
Q9DCU6	Mrpl4	0.041	0.138	0.000	0.039	-0.885	0.969	0.968	0.394
Q9ERL7	Gmfg	0.000	0.011	0.000	0.112	-0.049	-1.510	-1.900	-1.610
Q8R180	Ero1a	0.132	0.296	0.317	0.000	-0.244	0.636	0.184	0.436
Q8K190	Saysd1	0.726	1.000	-0.379	0.000	0.155	-0.127	-0.154	0.302
E9Q1P8	Irf2bp2	0.832	1.000	0.177	0.000	-0.061	-0.107	-0.185	0.296
Q99KU0	Vmp1	0.001	0.018	0.000	0.098	-0.354	1.510	1.260	1.280
Q8R5K4	Nol6	0.229	0.434	-0.275	0.000	0.070	-0.056	-0.418	-0.407
P51863	Atp6v0d1	0.117	0.273	0.335	0.000	-0.216	0.754	0.302	0.348
Q9CQW9	Ifitm3	0.039	0.133	1.730	0.000	-0.642	2.840	2.290	2.540
P62281	Rps11	0.867	1.000	0.187	-0.095	0.000	0.460	-0.436	-0.080
A2A432	Cul4b	0.030	0.112	-0.179	0.020	0.000	-0.399	-1.010	-0.636
O35984	Pbx2	0.209	0.405	-0.193	0.047	0.000	-0.257	-0.992	-0.140
P16460	Ass1	0.143	0.310	-0.587	0.000	0.018	0.512	0.153	0.075
Q9DCG9	Trmt112	0.673	0.950	0.000	-4.950	0.195	-0.811	-3.810	-2.730
P27870	Vav1	0.049	0.154	0.325	0.000	-0.114	-0.272	-1.240	-1.350
P01901	H2-K1	0.918	1.000	0.000	1.100	-0.068	-0.245	0.777	0.664
Q8VDG3	Parn	0.009	0.055	0.000	0.031	-0.430	-0.991	-1.720	-1.620
Q6P8I4	Pcnp	0.120	0.277	0.000	1.530	-0.170	-0.543	-0.732	-0.579
P63154	Crnk1l	0.013	0.069	-0.110	0.068	0.000	-0.499	-0.964	-0.564
Q9CR58	Slc25a30	0.011	0.062	0.000	0.243	-0.162	0.866	0.561	0.664
P62717	Rpl18a	0.672	0.949	0.000	-0.370	0.023	0.764	-0.398	-0.192
Q791T5	Mtch1	0.001	0.019	0.000	0.409	-0.005	1.910	1.480	1.660
P10630	Eif4a2	0.000	0.013	-0.146	0.000	0.209	-1.250	-1.450	-1.260
Q9D7G0	Prps1	0.019	0.087	0.000	-0.080	0.012	-0.415	-1.060	-1.060
Q9DB70	Fundc1	0.256	0.470	-0.517	1.650	0.000	2.470	0.712	1.270
Q9QWT9	Kifc1	0.255	0.469	0.245	0.000	-0.236	0.102	-1.330	-0.505
P18654	Rps6ka3	0.028	0.108	0.000	-0.035	0.109	-0.413	-1.370	-1.310
Q9JJI8	Rpl38	0.723	1.000	0.346	-0.062	0.000	0.418	0.040	0.031
Q99KF1	Tmed9	0.007	0.047	0.000	0.304	-0.089	0.916	0.738	1.130
P00375	Dhfr	0.067	0.187	0.141	-0.471	0.000	-0.723	-1.620	-0.675
P37913	Lig1	0.180	0.367	0.049	0.000	-0.161	0.072	-0.870	-1.240
P29533	Vcam1	0.146	0.315	0.746	0.000	-0.120	0.114	-1.040	-0.893
P59325	Eif5	0.094	0.236	0.365	0.000	-0.125	-0.059	-1.180	-0.979
Q9DC16	Ergic1	0.000	0.008	0.000	0.202	0.000	1.680	1.520	1.720
P43276	Hist1h1b	0.047	0.151	-0.012	0.000	0.126	-0.123	-0.379	-0.159

O88673	Dgka	0.006	0.046	0.000	0.135	-0.029	-0.968	-1.940	-1.570
Q61712	Dnajc1	0.294	0.522	0.000	-0.008	0.013	0.295	-0.127	0.666
Q9CXZ1	Ndufs4	0.012	0.067	-0.105	0.323	0.000	0.881	0.660	1.120
O70400	Pdlim1	0.000	0.014	-0.049	0.191	0.000	-0.883	-0.928	-0.774
P27046	Man2a1	0.004	0.038	0.100	0.000	-0.187	0.809	0.590	0.982
Q3TVI8	Pbxip1	0.001	0.017	-0.130	0.192	0.000	2.250	1.830	1.640
Q8BY71	Hat1	0.097	0.239	0.491	0.000	-0.180	-0.101	-1.180	-0.855
Q9CQD1	Rab5a	0.358	0.603	-0.260	0.000	0.058	0.299	-0.184	0.248
Q06185	Atp5i	0.001	0.020	0.000	-0.021	0.001	0.709	0.524	0.804
Q80X71	Tmem106b	0.015	0.076	-0.073	0.000	0.115	1.150	0.542	0.683
Q6Q477	Atp2b4	0.616	0.890	-0.793	0.069	0.000	-0.045	-0.917	-0.375
Q9JK81	Myg1	0.012	0.068	-0.941	0.000	0.003	-1.670	-1.890	-1.610
Q62388	Atm	0.107	0.257	-0.265	0.116	0.000	-0.451	-1.290	-0.368
Q6DVA0	Lemd2	0.002	0.024	-0.038	0.000	0.064	0.752	0.567	0.883
Q8BMS9	Rassf2	0.010	0.059	0.048	-0.167	0.000	-0.794	-1.680	-1.350
P18653	Rps6ka1	0.130	0.293	0.310	-0.305	0.000	-0.035	-2.120	-1.510
Q9JMD0	Znf207	0.085	0.221	-0.017	0.438	0.000	-0.369	-0.827	-0.122
P62137	Ppp1ca	0.822	1.000	0.237	-0.916	0.000	-0.030	-0.612	-0.318
Q8BQZ5	Cpsf4	0.017	0.080	0.000	0.329	-0.003	-0.392	-0.615	-0.331
A2BE28	Las1l	0.144	0.311	0.000	0.020	-0.132	-0.086	-0.921	-0.445
Q8BFV2	Pcid2	0.056	0.167	0.000	-0.229	0.168	-0.404	-1.510	-0.871
Q9CQN7	Mrpl41	0.001	0.019	-0.057	0.242	0.000	1.080	0.872	1.000
Q8BHS3	Rbm22	0.033	0.120	-0.099	0.000	0.141	-0.234	-0.540	-0.298
P08920	Cd2	0.013	0.069	-0.128	0.000	0.180	-0.418	-0.328	-0.464
O35114	Scarb2	0.362	0.607	0.450	-0.680	0.000	0.717	0.016	0.235
O35129	Phb2	0.003	0.030	0.000	0.062	-0.164	0.922	0.591	0.718
P61027	Rab10	0.511	0.776	0.322	0.000	-0.168	-0.098	0.011	-0.079
Q9D8T2	Gsdmdc1	0.014	0.073	0.032	0.000	-0.234	-0.817	-1.860	-1.440
Q9JI44	Dmap1	0.183	0.371	0.000	-0.120	0.075	-0.268	-0.446	-0.006
Q80TY0	Fnbp1	0.000	0.014	-0.105	0.201	0.000	-1.180	-1.500	-1.310
O70404	Vamp8	0.765	1.000	0.004	-0.083	0.000	0.196	-0.274	-0.138
Q8BYK4	Rdh12	0.365	0.612	0.037	0.000	-0.061	0.037	-0.072	-0.880
Q3UMY5	Eml4	0.063	0.180	0.000	-0.076	0.798	-1.170	-0.342	-0.609
Q62426	Cstb	0.075	0.202	0.000	0.417	-0.437	-0.446	-0.934	-0.684
P17047	Lamp2	0.008	0.053	0.337	0.000	-0.296	1.220	0.851	1.180
P97823	Lypla1	0.168	0.350	0.000	-0.250	0.196	0.058	-1.140	-0.961
P35585	Ap1m1	0.027	0.107	0.008	-0.381	0.000	-0.626	-1.250	-0.796
P54726	Rad23a	0.000	0.014	-0.136	0.081	0.000	-1.310	-1.450	-1.100
P62858	Rps28	0.085	0.221	0.213	-0.107	0.000	-0.184	-0.653	-0.247
Q61503	Nt5e	0.368	0.615	-0.517	0.000	0.009	-0.654	-0.461	-0.109
Q8BVF7	Aph1a	0.804	1.000	0.000	-0.832	2.030	2.600	-2.380	2.440
Q9CXW2	Mrps22	0.536	0.803	0.837	-1.070	0.000	1.960	1.660	-1.400
Q91VT4	Cbr4	0.890	1.000	0.000	0.188	-0.136	0.418	-0.152	-0.122
Q9JJZ4	Ube2j1	0.339	0.578	-0.229	0.072	0.000	0.103	-0.107	0.459
P61089	Ube2n	0.014	0.073	-0.057	0.000	0.306	-0.454	-0.788	-0.468
Q9JKF7	Mrpl39	0.494	0.759	0.000	-3.790	0.010	1.100	-0.144	-1.440
P20444	Prkca	0.030	0.113	-0.268	0.109	0.000	-0.390	-0.460	-0.434
P32037	Slc2a3	0.192	0.384	0.000	0.198	-1.110	-0.827	-0.767	-1.920
P50543	S100a11	0.359	0.603	0.112	-0.422	0.000	0.231	-1.160	-0.762
Q9JJZ6	Klf13	0.026	0.103	-0.094	0.000	0.094	-0.359	-0.751	-1.050
Q8BNW9	Kbtbd11	0.007	0.048	-0.061	0.000	0.260	-1.280	-2.450	-1.660
Q60787	Lcp2	0.009	0.057	-0.096	0.845	0.000	-1.390	-1.550	-1.040
Q02242	Pdcd1	0.396	0.646	-0.498	0.000	0.112	-0.263	0.315	0.333
Q9Z0L8	Ggh	0.394	0.643	-0.367	0.486	0.000	-0.505	-0.272	0.051
Q8VC03	Eml3	0.027	0.105	0.000	-0.105	0.575	-0.465	-0.766	-0.650
A2AQ19	Rtf1	0.008	0.052	0.023	-0.348	0.000	-0.937	-1.470	-1.690
Q8BG30	Nelfa	0.687	0.963	-0.364	0.000	0.565	-0.184	0.126	-0.112
Q91VR2	Atp5c1	0.035	0.125	0.127	0.000	-0.028	1.150	0.535	0.475
Q62425	Ndufa4	0.219	0.419	-0.214	0.210	0.000	0.195	0.073	0.541

P63242	Eif5a	0.208	0.404	0.466	-0.135	0.000	0.222	-1.650	-0.813
Q6ZQ58	Larp1	0.589	0.861	0.238	-0.291	0.000	0.329	-0.257	0.307
P46978	Stt3a	0.000	0.013	0.000	0.119	-0.213	1.570	1.280	1.410
Q9D5T0	Atad1	0.387	0.636	0.005	-0.010	0.000	0.504	-0.072	0.068
Q9JKX6	Nudt5	0.000	0.014	0.033	-0.029	0.000	-1.110	-1.520	-1.260
Q91YR7	Prpf6	0.053	0.162	0.000	0.162	-0.181	-0.213	-0.817	-0.784
Q6P1F6	Ppp2r2a	0.006	0.044	-0.191	0.010	0.000	-0.731	-1.310	-1.050
Q8K212	Pacs1	0.237	0.444	-0.105	0.819	0.000	0.622	0.460	1.960
P35980	Rpl18	0.134	0.298	0.241	-0.111	0.000	0.694	0.106	0.452
Q9R099	Tbl2	0.033	0.120	0.000	0.449	-0.050	0.634	0.647	0.976
Q64261	Cdk6	0.020	0.089	0.186	-0.124	0.000	-0.539	-1.450	-1.390
P63037	Dnaja1	0.340	0.580	0.072	0.000	-0.107	0.131	-0.492	-0.294
Q3V009	Tmed1	0.002	0.022	0.000	0.224	-0.659	3.120	2.230	2.850
Q8BGD9	Eif4b	0.065	0.184	0.178	-0.283	0.000	-0.447	-1.800	-1.000
Q8QZS1	Hibch	0.404	0.655	0.000	0.318	-0.092	0.156	0.135	0.318
Q8BYB9	Poglut1	0.033	0.121	0.293	-0.547	0.000	1.410	0.557	1.140
Q9EPJ9	Arfgap1	0.189	0.379	0.000	0.443	-0.044	-0.772	0.231	-1.060
Q99J56	Der11	0.057	0.168	0.000	0.353	-0.292	0.483	0.610	0.489
Q8CBG9	Rnf170	0.048	0.152	-0.653	0.156	0.000	0.587	0.421	0.902
P15379	Cd44	0.076	0.205	0.008	-0.076	0.000	0.622	0.100	0.309
Q9CXT7	Tmem192	0.444	0.701	0.035	0.000	-0.127	-0.080	-0.516	0.051
Q99L04	Dhrs1	0.470	0.729	0.040	0.000	-0.227	0.315	-0.898	-0.478
Q4VBD2	Tapt1	0.005	0.039	0.000	0.047	-0.033	0.806	0.438	0.702
P70158	Smpdl3a	0.093	0.234	0.547	-0.004	0.000	-0.204	-1.990	-0.899
P05201	Got1	0.000	0.013	-0.145	0.019	0.000	-1.300	-1.680	-1.440
P83917	Cbx1	0.031	0.115	-0.155	0.623	0.000	-1.040	-0.915	-0.466
Q99KB8	Hagh	0.754	1.000	0.142	0.000	-0.442	-0.018	-0.512	-0.014
Q8VD65	Pik3r4	0.075	0.203	0.065	0.000	-0.273	-0.475	-2.190	-1.180
P70388	Rad50	0.176	0.360	0.000	-0.036	0.010	0.053	-0.597	-0.457
Q8BHA0	Ino80c	0.191	0.383	-0.478	0.295	0.000	-0.586	-0.487	-0.263
Q9D1C9	Rrp7a	0.568	0.837	0.000	1.660	-0.041	-1.260	0.528	0.770
Q05D44	Eif5b	0.751	1.000	0.544	0.000	-0.060	1.210	-0.708	0.591
Q91ZR1	Rab4b	0.047	0.151	0.000	-0.097	0.211	-0.147	-0.349	-0.366
Q91VX9	Tmem168	0.078	0.208	0.000	0.153	-0.166	0.492	0.337	0.135
Q9CWS4	Cpsf3l	0.800	1.000	-1.180	0.444	0.000	-0.383	-0.246	0.328
Q0VGB7	Ppp4r2	0.007	0.048	0.097	-0.490	0.000	-1.190	-1.610	-1.190
Q8VCG3	Wdr74	0.068	0.188	0.053	0.000	-0.255	-0.230	-0.618	-0.810
P48377	Rfx1	0.168	0.350	0.000	1.250	-1.230	-2.680	-3.290	-0.112
P03888	Mtnd1	0.570	0.839	-0.830	0.541	0.000	-0.768	0.658	1.100
Q91XA2	Golm1	0.144	0.311	0.162	-0.030	0.000	-0.479	-0.405	0.053
Q9JLJ2	Aldh9a1	0.081	0.213	0.030	-0.088	0.000	-0.239	-1.410	-0.779
Q9CR57	Rpl14	0.016	0.078	0.142	0.000	-0.271	0.753	0.423	0.557
Q689Z5	Sbno1	0.023	0.096	0.000	0.229	-0.069	-0.550	-1.670	-1.430
P31266	Rbpj	0.029	0.110	0.068	-0.003	0.000	-0.262	-0.886	-0.617
P62342	Selt	0.115	0.270	0.000	0.100	-0.390	0.284	0.120	0.255
P41245	Mmp9	0.231	0.435	2.280	0.000	-0.046	0.785	-1.710	-1.570
Q03147	Cdk7	0.029	0.110	0.000	-0.008	0.017	-0.257	-0.564	-0.237
Q8K2Y9	Ccm2	0.105	0.252	0.000	-0.079	0.056	-0.182	-0.525	-0.131
P61205	Arf3	0.041	0.138	0.110	0.000	-0.115	-0.215	-0.803	-0.684
P84078	Arf1	0.041	0.138	0.110	0.000	-0.115	-0.215	-0.803	-0.684
Q8CG48	Smc2	0.516	0.779	0.399	-0.110	0.000	0.404	-0.520	-0.271
Q6PFR5	Tra2a	0.863	1.000	-0.783	1.460	0.000	0.388	0.513	0.140
Q8C0M9	Asrgl1	0.000	0.011	0.000	-0.030	0.298	-1.320	-1.440	-1.400
Q8C111	Gnl3	0.503	0.767	-0.054	0.404	0.000	0.261	-0.582	0.031
P59708	Sf3b6	0.380	0.630	0.000	0.753	-0.018	-1.090	0.063	0.292
Q9ERU3	Znf22	0.139	0.304	0.026	-0.097	0.000	-0.267	-2.210	-0.809
Q91VM9	Ppa2	0.070	0.193	-0.028	0.474	0.000	0.613	0.457	0.874
P10126	Eef1a1	0.463	0.721	0.222	-0.135	0.000	0.343	-0.593	-0.404
P13597	Icam1	0.007	0.050	0.000	0.319	-0.108	0.945	0.690	0.810



Q8C0C7	Farsa	0.044	0.144	0.000	0.024	-0.200	-0.294	-0.996	-0.832
P28658	Atxn10	0.868	1.000	0.308	0.000	-0.205	0.902	-0.791	-0.288
P28474	Adh5	0.003	0.032	-0.238	0.142	0.000	-1.150	-1.810	-1.400
O70551	Srpk1	0.012	0.067	0.029	0.000	-0.348	-0.612	-0.911	-0.979
Q9D6T0	Nosp	0.272	0.491	0.000	-0.462	0.101	-0.324	-0.810	-0.199
Q9ES97	Rtn3	0.173	0.357	0.075	0.000	-0.021	0.550	0.036	0.226
P10639	Txn	0.016	0.079	0.196	-0.365	0.000	-0.914	-2.060	-1.810
Q9D8P4	Mrpl17	0.062	0.179	-0.135	0.609	0.000	0.806	0.896	0.632
Q922D4	Ppp6r3	0.039	0.133	0.000	0.104	-0.045	-0.337	-1.250	-0.779
Q61144	Psen2	0.255	0.468	-0.215	0.716	0.000	0.567	0.830	0.354
P57716	Ncstn	0.012	0.067	0.058	0.000	-0.094	1.230	0.526	1.070
Q61187	Tsg101	0.722	1.000	0.000	0.043	-0.115	0.395	-0.280	0.042
Q9Z204	Hnrnpc	0.274	0.494	-0.174	0.244	0.000	-0.399	-0.244	0.040
Q923D2	Blvr	0.072	0.196	0.052	0.000	-0.959	-0.794	-2.040	-1.690
Q91WG4	Elp2	0.084	0.220	0.228	-0.048	0.000	-0.173	-1.420	-0.763
P47791	Gsr	0.018	0.084	0.341	0.000	-0.118	-0.466	-1.080	-1.080
Q75N62	Gimap8	0.012	0.069	-0.070	0.000	0.009	-0.447	-0.926	-0.575
Q9JLT4	Txnrd2	0.839	1.000	0.000	0.351	-0.041	0.125	0.030	0.247
Q9DCD2	Xab2	0.010	0.058	-0.080	0.000	0.077	-0.302	-0.602	-0.563
Q9CQ69	Uqcrq	0.004	0.038	0.000	0.165	-0.022	0.638	0.470	0.464
Q9CZU6	Cs	0.005	0.041	0.000	0.137	-0.034	0.868	0.509	0.669
Q9D662	Sec23b	0.820	1.000	0.129	-2.060	0.000	-0.568	-1.170	-0.727
O88967	Yme1l1	0.017	0.081	0.000	-0.237	0.021	0.822	0.328	0.838
Q8K1R7	Nek9	0.096	0.238	-0.055	0.220	0.000	-0.017	-0.634	-0.594
P68181	Prkacb	0.979	1.000	-1.250	0.245	0.000	-0.353	-0.234	-0.378
Q9DBG5	Plin3	0.127	0.288	-0.512	0.000	0.399	-0.702	-1.290	-0.333
P48193	Epb41	0.179	0.364	0.171	0.000	-0.123	0.082	-0.784	-0.608
Q5DU31	Ipcef1	0.108	0.259	-0.777	0.000	0.265	-1.270	-2.170	-0.550
Q60648	Gm2a	0.038	0.129	0.000	-0.182	0.048	-0.348	-1.050	-0.713
P83940	Tceb1	0.011	0.064	-0.336	0.000	0.298	-1.000	-1.880	-1.370
Q9JHK5	Plek	0.404	0.655	0.273	0.000	-0.425	0.193	-0.584	-0.757
P35282	Rab21	1.000	1.000	-0.077	0.256	0.000	0.281	-0.147	0.045
Q6ZPY7	Kdm3b	0.027	0.107	0.000	0.495	-0.124	-0.530	-1.600	-1.240
Q8BU14	Sec62	0.007	0.049	0.047	-0.056	0.000	0.844	0.419	0.756
P46414	Cdkn1b	0.005	0.039	-0.490	0.000	0.483	-2.560	-3.040	-1.880
Q99J72	Apobec3	0.052	0.160	0.065	-0.374	0.000	-0.391	-1.200	-1.040
Q811U4	Mfn1	0.420	0.674	0.000	1.260	-0.739	2.090	1.140	-0.275
P35329	Cd22	0.083	0.218	-0.729	0.548	0.000	-3.200	-2.990	-0.495
Q99J47	Dhrs7b	0.010	0.059	0.000	0.380	-0.485	1.100	1.150	1.120
Q91YI0	Asl	0.025	0.102	-0.108	0.298	0.000	-1.820	-0.654	-2.060
P68433	Hist1h3a	0.422	0.676	0.323	-0.184	0.000	0.348	-0.110	0.569
P84228	Hist1h3b	0.422	0.676	0.323	-0.184	0.000	0.348	-0.110	0.569
P84244	H3f3a	0.422	0.676	0.323	-0.184	0.000	0.348	-0.110	0.569
Q62433	Ndrp1	0.116	0.271	0.000	0.021	-0.415	0.448	0.000	0.329
Q9D1R9	Rpl34	0.210	0.407	0.167	-0.106	0.000	0.638	0.073	0.196
Q9JHI7	Exosc9	0.019	0.087	-0.189	0.046	0.000	-0.782	-0.947	-0.406
Q9CQM5	Txnrc17	0.008	0.055	-0.143	0.362	0.000	-1.500	-1.760	-2.830
Q9D6J5	Ndufb8	0.039	0.132	-0.884	0.149	0.000	0.958	0.797	0.597
Q9QZ06	Tollip	0.998	1.000	0.443	0.000	-0.223	0.233	-0.413	0.398
Q8BJ64	Chdh	0.375	0.623	0.970	-0.135	0.000	0.659	-1.190	-0.567
Q9Z1R2	Bag6	0.633	0.909	0.089	0.000	-0.303	0.178	-0.646	-0.160
Q6NZF1	Zc3h11a	0.003	0.032	-0.026	0.242	0.000	-0.859	-0.855	-0.564
Q8R0F3	Sumf1	0.002	0.024	0.000	0.232	-0.568	1.860	1.650	1.660
P48722	Hspa4l	0.006	0.047	-0.299	0.139	0.000	-1.170	-0.804	-1.320
Q810A7	Ddx42	0.810	1.000	0.110	-5.730	0.000	-0.901	-2.390	-0.792
Q9CQN6	Tmem14c	0.066	0.186	0.146	0.000	-0.210	0.760	0.282	0.302
Q9CQL5	Mrpl18	0.012	0.067	-0.027	0.185	0.000	0.925	0.512	1.060
Q8VEE4	Rpa1	0.072	0.197	0.054	-0.271	0.000	-0.678	-1.690	-0.560
Q03267	Ikzf1	0.113	0.266	-0.067	0.000	0.167	-0.242	-1.470	-0.496

Q8CI08	Slain2	0.911	1.000	-1.240	0.000	1.400	-0.021	-0.848	1.380
Q9CQR2	Rps21	0.095	0.237	0.311	0.000	-0.025	-0.024	-0.691	-0.461
Q8R2Q4	Gfm2	0.142	0.309	0.000	0.144	-0.128	0.042	-1.100	-0.903
P43274	Hist1h1e	0.210	0.406	0.191	0.000	-0.177	-0.111	-0.417	-0.115
Q76KJ5	Cd3eap	0.295	0.522	-0.247	0.366	0.000	-0.128	-0.249	-0.160
Q9D710	Tmx2	0.003	0.030	0.122	0.000	-0.249	0.828	0.670	0.867
O35316	Slc6a6	0.021	0.092	1.240	0.000	-0.326	3.830	2.060	2.770
Q9QYI3	Dnajc7	0.064	0.183	0.049	0.000	-0.092	-0.189	-0.999	-0.668
Q9JKB3	Ybx3	0.504	0.768	0.000	0.000	-0.501	0.146	-0.242	0.042
Q9CPT5	Nop16	0.751	1.000	0.000	0.393	-0.018	0.600	-0.657	0.037
P70403	Cux1	0.336	0.573	-2.080	0.000	1.250	0.628	0.354	1.600
Q9D8V0	Hm13	0.029	0.110	-0.063	0.378	0.000	0.955	0.512	0.731
Q9CPX6	Atg3	0.178	0.364	0.037	0.000	-0.063	-0.014	-0.809	-0.341
P97313	Prkdc	0.549	0.818	0.000	-0.329	0.216	-0.441	-0.410	0.217
Q9DBG7	Srpra	0.996	1.000	0.111	0.000	-0.032	0.308	-0.444	0.219
P31230	Aimp1	0.280	0.502	0.052	0.000	-0.151	0.072	-0.920	-0.350
Q99J95	Cdk9	0.029	0.110	0.000	-0.077	0.030	-0.617	-1.760	-1.040
Q8JZU2	Slc25a1	0.000	0.012	0.000	0.212	-0.083	1.600	1.430	1.730
Q3TJD7	Pdim7	0.000	0.014	-0.291	0.000	0.069	2.390	2.110	2.820
Q6PD03	Ppp2r5a	0.406	0.658	0.305	-0.812	0.000	-0.080	-1.290	-0.489
Q8CG72	Adprh12	0.003	0.033	-0.365	0.161	0.000	-1.260	-1.820	-1.390
Q8BXV2	Bri3bp	0.054	0.163	0.300	-0.665	0.000	1.270	0.551	0.721
Q62311	Taf6	0.460	0.719	-0.606	0.000	0.112	-0.200	-0.935	-0.177
Q99K23	Ufsp2	0.019	0.087	0.081	0.000	-0.422	0.696	0.388	0.640
P61924	Copz1	0.013	0.070	0.000	0.191	-0.211	-0.551	-0.896	-0.603
P31041	Cd28	0.187	0.376	-0.410	0.000	0.214	-0.507	-0.630	-0.161
Q60973	Rbbp7	0.041	0.138	-0.182	0.071	0.000	-0.476	-0.460	-0.205
Q9EP97	Senp3	0.650	0.926	-0.050	0.562	0.000	0.402	-0.247	-0.046
Q8BU88	Mrpl22	0.017	0.080	0.003	-0.068	0.000	0.895	0.346	0.595
P53702	Hccs	0.001	0.022	-0.130	0.313	0.000	1.420	1.460	1.860
Q6PGC1	Dhx29	0.175	0.359	-0.668	0.188	0.000	-0.453	-1.060	-0.550
Q9D787	Ppil2	0.371	0.618	-0.918	0.000	0.190	-0.048	-2.360	-0.653
Q80TJ7	Phf8	0.268	0.487	-0.121	1.600	0.000	0.400	-1.350	-0.462
P04202	Tgfb1	0.054	0.163	0.000	0.044	-0.363	-0.731	-0.344	-0.794
Q9WUM4	Coro1c	0.649	0.925	0.000	0.820	-0.303	0.531	0.356	0.152
Q8R502	Lrrc8c	0.354	0.597	-0.207	0.177	0.000	-0.160	-0.207	-0.043
O70572	Smpd2	0.081	0.213	0.525	-4.690	0.000	2.230	2.590	2.610
Q61036	Pak3	0.803	1.000	-1.200	0.000	0.506	-0.050	-0.933	-0.175
P36552	Cpox	0.116	0.271	0.330	0.000	-0.246	-0.140	-0.571	-0.479
Q9QUM9	Psma6	0.010	0.060	0.000	0.763	-0.042	-1.220	-1.070	-0.858
Q8R322	Gle1	0.568	0.837	0.082	0.000	-0.787	-0.422	-0.427	-0.374
P61021	Rab5b	0.370	0.617	0.000	-1.020	0.280	0.548	-2.430	-1.880
P99026	Psmb4	0.001	0.021	0.000	0.003	-0.115	-1.070	-1.620	-1.350
Q91V04	Tram1	0.196	0.389	0.000	2.330	-0.017	1.120	2.790	2.950
Q9D0G0	Mrps30	0.012	0.068	0.000	0.044	-0.091	1.010	0.479	0.609
Q9QYA2	Tomm40	0.010	0.059	0.000	0.202	-0.235	1.300	0.723	0.891
P12023	App	0.032	0.117	4.640	-1.820	0.000	7.180	7.130	7.230
Q9Z0M5	Lipa	0.093	0.234	0.471	0.000	-0.153	-0.105	-0.870	-0.654
Q62448	Eif4g2	0.342	0.582	0.405	-0.041	0.000	0.127	-0.804	-0.006
Q9Z0W3	Nup160	0.694	0.970	0.000	0.186	-0.070	-0.051	-0.145	0.162
P10922	H1f0	0.130	0.293	0.000	-0.145	0.190	-0.040	-1.060	-0.629
Q8CJG0	Ago2	0.043	0.141	-0.346	0.000	0.075	-0.501	-0.885	-0.493
O35144	Terf2	0.061	0.176	-0.147	0.408	0.000	-0.504	-0.507	-0.217
Q62446	Fkbp3	0.063	0.181	-0.025	0.000	0.005	-0.303	-0.475	-0.092
Q9JLQ0	Cd2ap	0.993	1.000	0.063	-1.320	0.000	-0.269	-1.480	0.514
Q3TLH4	Prrc2c	0.072	0.197	-0.333	0.208	0.000	-0.639	-1.180	-0.375
Q8BYH7	Tbc1d17	0.194	0.387	0.112	-0.197	0.000	0.008	-0.707	-0.450
P70290	Mpp1	0.605	0.878	0.118	0.000	-0.851	-0.046	-0.940	-0.420
P06342	H2-Ab1	0.941	1.000	0.000	1.270	-0.824	-0.149	0.502	0.243

Q8C208	Ikzf4	0.461	0.719	-0.864	0.212	0.000	-0.745	-0.405	-0.361
Q8VC28	Akr1c13	0.001	0.019	-0.340	0.000	0.003	-1.700	-2.330	-1.900
Q8BYM8	Cars2	0.412	0.665	0.076	0.000	-0.350	0.743	-0.258	0.119
Q64310	Surf4	0.002	0.029	0.000	0.103	-0.025	1.070	0.679	0.805
Q91YK2	Rrp1b	0.028	0.107	-0.039	0.046	0.000	-0.265	-0.819	-0.549
Q9CRA9	Fgfr1op2	0.213	0.409	-0.430	0.257	0.000	-0.553	-0.291	-0.299
Q6PGH1	Bud31	0.005	0.039	0.183	-0.025	0.000	-0.445	-0.774	-0.762
Q8BTX9	Hsd11	0.769	1.000	0.000	0.163	-0.252	0.135	-0.129	0.040
Q61334	Bcap29	0.670	0.948	0.026	-0.020	0.000	0.419	-0.310	0.194
Q80US4	Actr5	0.919	1.000	-1.160	0.377	0.000	1.380	-1.400	-1.080
P60766	Cdc42	0.652	0.928	0.377	-0.109	0.000	0.126	-0.409	0.199
Q61072	Adam9	0.035	0.124	0.660	-3.660	0.000	3.520	2.950	3.250
P62331	Arf6	0.347	0.587	-0.116	0.120	0.000	0.221	-0.074	0.255
Q9CXW4	Rpl11	0.252	0.466	0.375	-0.080	0.000	0.127	-0.615	-0.243
Q8CBE3	Wdr37	0.204	0.400	0.000	0.548	-0.350	-0.276	-0.350	-0.371
O88455	Dhcr7	0.003	0.029	-0.220	0.000	0.700	2.230	1.960	2.310
Q63932	Map2k2	0.693	0.969	0.000	-0.792	0.019	0.453	-1.150	-0.779
P14131	Rps16	0.613	0.887	0.169	0.000	-0.079	0.180	-0.279	-0.059
P97434	Mprip	0.001	0.019	0.000	-0.488	0.742	3.430	3.150	3.770
Q8VE99	Ccdc115	0.807	1.000	-0.113	0.000	0.110	-0.028	-0.201	0.135
Q60770	Stxbp3	0.565	0.834	0.090	0.000	-0.054	0.526	-0.195	0.106
Q80UM3	Naa15	0.844	1.000	0.164	-1.690	0.000	0.202	-1.150	-1.040
Q9DBY8	Nvl	0.158	0.334	0.081	-0.257	0.000	-0.001	-0.936	-1.120
Q920Q4	Vps16	0.992	1.000	0.246	0.000	-0.008	0.326	-0.203	0.110
Q9CZ28	Snf8	0.469	0.728	0.006	-0.006	0.000	-0.028	-0.403	0.079
Q7TMM9	Tubb2a	0.111	0.264	0.000	0.407	-0.148	1.530	0.414	0.633
P04235	Cd3d	0.281	0.504	-0.353	0.097	0.000	-0.435	-0.393	-0.084
Q9CX99	Grap	0.077	0.207	-0.922	0.152	0.000	-1.990	-2.090	-0.687
Q99K70	Rragc	0.587	0.858	0.115	0.000	-0.184	0.184	-0.455	-0.160
Q8JZN7	Rhot2	0.010	0.061	0.084	0.000	-0.204	0.554	0.327	0.480
P47963	Rpl13	0.796	1.000	-0.012	0.034	0.000	0.497	-0.522	0.307
Q571I9	Aldh16a1	0.015	0.076	0.000	0.059	-0.391	-0.726	-1.380	-1.130
B1AZA5	Tmem245	0.094	0.236	0.000	-4.310	0.381	1.750	1.800	2.530
Q8R3C6	Rbm19	0.085	0.220	0.110	0.000	-0.230	-0.172	-1.180	-0.999
Q9Z0J0	Npc2	0.678	0.954	0.038	-0.325	0.000	0.294	-0.329	0.035
Q3UGR5	Hdhd2	0.093	0.234	0.000	0.123	-0.395	-0.377	-0.501	-0.971
P14115	Rpl27a	0.809	1.000	0.307	0.000	-0.285	0.495	-0.240	-0.018
Q9WUU9	Mcm3ap	0.519	0.784	0.121	0.000	-0.223	-0.095	-0.723	0.133
Q99KY4	Gak	0.193	0.385	0.471	-0.202	0.000	-0.838	-3.880	-0.314
A2AL36	Cntrl	0.237	0.444	0.000	-0.173	0.276	-0.143	-0.798	-0.066
Q80X41	Vrk1	0.007	0.048	0.000	-0.019	0.080	-0.523	-0.890	-0.509
O54734	Ddost	0.002	0.025	0.000	0.042	-0.469	1.490	1.120	1.220
Q9JIF0	Prmt1	0.208	0.404	-2.050	1.030	0.000	-1.680	-2.110	-1.400
Q149F5	Tmem71	0.621	0.895	-0.561	0.000	0.498	-0.795	-0.363	0.363
Q9CXJ4	Abcb8	0.014	0.074	0.000	0.642	-0.065	1.350	1.020	1.280
Q61142	Spin1	0.161	0.339	-0.044	0.000	0.623	-0.259	-0.903	-0.017
Q91WS0	Cisd1	0.396	0.646	-0.215	1.180	0.000	0.469	0.808	0.987
O09174	Amacr	0.030	0.113	0.000	0.612	-0.235	1.240	0.949	0.900
P62852	Rps25	0.696	0.972	0.125	-0.126	0.000	0.233	-0.473	-0.035
P60670	Nploc4	0.740	1.000	1.190	0.000	-0.041	0.721	-0.556	0.388
Q9JLN9	Mtor	0.116	0.271	0.095	0.000	-0.092	-0.022	-0.391	-0.444
Q9D7N3	Mrps9	0.122	0.280	0.267	-0.306	0.000	1.060	0.047	1.140
P22682	Cbl	0.000	0.013	-0.024	0.000	0.154	-1.190	-1.550	-1.380
P35922	Fmr1	0.469	0.729	0.174	-0.169	0.000	0.691	-1.830	-0.615
Q5SYD0	Myo1d	0.002	0.025	0.242	0.000	-0.716	3.190	2.310	3.330
Q6P9R1	Ddx51	0.054	0.164	0.000	0.058	-0.347	-0.583	-1.340	-0.615
Q8BWM0	Ptges2	0.946	1.000	-1.850	2.870	0.000	1.240	0.282	-0.189
Q8R5F7	Ifih1	0.396	0.645	0.526	0.000	-0.048	0.713	-1.360	-0.697
P24788	Cdk11b	0.579	0.850	0.534	-6.110	0.000	0.018	-1.130	-0.567

Q64522	Hist2h2ab	0.685	0.962	0.000	0.243	-0.083	-0.414	-0.437	0.562
Q99PU8	Dhx30	0.416	0.670	0.000	0.380	-0.875	1.330	-0.133	-0.053
Q9JL16	Isg20	0.132	0.296	0.573	0.000	-0.300	-0.033	-1.030	-1.080
Q8R035	Ict1	0.016	0.077	0.201	-0.053	0.000	1.010	0.503	0.676
Q9CPT4	Mydgd	0.595	0.868	-0.032	0.503	0.000	0.538	0.152	-1.160
Q8BK63	Csnk1a1	0.143	0.310	0.250	0.000	-0.233	-0.046	-0.568	-0.775
Q99020	Hnrnpab	0.020	0.088	-0.016	0.000	0.002	-0.493	-0.788	-0.309
Q05144	Rac2	0.029	0.112	0.254	-0.036	0.000	-0.369	-1.240	-0.844
P97872	Fmo5	0.485	0.748	0.755	-0.101	0.000	0.639	-0.667	-0.436
Q99J36	Thumpd1	0.295	0.522	-0.210	0.125	0.000	-5.210	-0.726	-0.026
Q7TMB8	Cyfp1	0.108	0.259	0.000	0.124	-1.260	0.703	0.315	0.700
Q3URS9	Ccdc51	0.007	0.048	0.194	0.000	-0.221	0.635	0.568	0.670
Q3KNM2	Marchf5	0.008	0.055	0.127	0.000	-0.352	1.370	0.744	1.400
P62737	Acta2	0.095	0.238	0.856	0.000	-0.683	1.790	0.877	3.750
P68033	Actc1	0.095	0.238	0.856	0.000	-0.683	1.790	0.877	3.750
Q8C2K1	Def6	0.035	0.125	0.000	-0.029	0.144	-0.322	-0.929	-0.442
Q9CQW2	Arl8b	0.497	0.763	0.125	0.000	-0.062	0.265	-1.000	-0.059
P28798	Gm	0.144	0.311	0.111	0.000	-1.300	-0.647	-1.980	-2.100
Q5DW34	Ehmt1	0.432	0.687	0.000	-0.729	0.184	-0.148	-1.100	-0.351
Q8BHZ4	Znf592	0.469	0.728	-0.184	0.000	0.011	0.150	-1.000	-0.161
Q9ET30	Tm9sf3	0.062	0.178	0.000	0.413	-0.902	0.864	0.711	0.992
Q8QZY9	Sf3b4	0.531	0.798	-2.010	0.478	0.000	-3.370	-0.510	-0.237
Q7TQH0	Atxn2l	0.095	0.238	-0.117	0.000	0.068	-0.604	-0.867	-0.096
Q91W59	Rbms1	0.033	0.121	0.806	-0.066	0.000	2.090	0.979	1.920
Q8VBV3	Exosc2	0.039	0.133	-0.349	0.471	0.000	-0.627	-0.957	-0.651
Q99LI2	Clcc1	0.023	0.096	-0.100	0.000	0.227	0.468	0.534	0.896
Q9WUA3	Pfkip	0.033	0.119	-0.074	0.000	0.023	-0.325	-1.040	-0.682
Q9DC70	Ndufs7	0.005	0.040	0.000	0.110	-0.184	0.684	0.466	0.575
Q3UND0	Skap2	0.206	0.403	0.518	0.000	-0.624	-0.258	-0.599	-1.130
A6PWY4	Wdr76	0.081	0.213	0.000	-0.414	0.003	-0.428	-1.580	-0.920
O70494	Sp3	0.078	0.208	-0.010	0.000	0.263	-0.254	-1.040	-0.332
Q91X84	Crtc3	0.778	1.000	-1.050	0.000	0.635	-0.708	-0.435	0.214
P84091	Ap2m1	0.321	0.556	0.149	0.000	-0.439	0.525	0.040	-0.018
P67871	Csnk2b	0.499	0.765	0.026	-0.042	0.000	0.326	-0.131	0.085
P55258	Rab8a	0.478	0.740	0.000	0.081	-1.520	0.007	-0.248	0.041
P48428	Tbca	0.000	0.003	0.052	0.000	-0.010	-1.980	-2.160	-2.200
Q9CY27	Tecr	0.001	0.019	0.000	0.089	-0.113	1.390	0.978	1.330
Q9QZD9	Eif3i	0.115	0.269	0.000	0.168	-0.055	-0.088	-1.120	-0.527
Q62158	Trim27	0.431	0.687	0.111	-0.657	0.000	0.009	-1.310	-0.441
P26516	Psmc7	0.010	0.059	0.000	0.058	-0.009	-0.723	-0.864	-0.382
Q60634	Flot2	0.111	0.264	0.405	0.000	-0.394	1.280	0.318	0.643
Q8CAS9	Parp9	0.397	0.647	0.000	-0.344	0.030	0.545	-1.360	-1.310
Q91WQ3	Yars	0.766	1.000	0.202	-0.103	0.000	0.408	-0.347	-0.198
Q8CI32	Bag5	0.037	0.129	0.971	0.000	-0.099	-0.561	-1.150	-0.939
Q60749	Khdrbs1	0.078	0.208	-0.028	0.000	0.031	-0.155	-0.632	-0.249
Q99KG3	Rbm10	0.006	0.046	-0.268	0.000	0.234	-0.923	-1.030	-0.744
Q9EP89	Lactb	0.009	0.055	0.000	0.227	-0.004	0.611	0.438	0.673
Q9D3D9	Atp5d	0.126	0.287	-0.224	0.095	0.000	0.573	0.056	0.267
Q80W00	Ppp1r10	0.269	0.487	0.000	-0.002	0.060	-0.042	-1.260	-0.145
Q9DC48	Cdc40	0.029	0.110	0.078	0.000	-0.189	-0.334	-0.713	-0.444
Q9D0F6	Rfc5	0.453	0.711	0.422	0.000	-0.107	0.315	-0.450	-0.249
E9Q6J5	Bod1l	0.006	0.047	-0.187	0.000	0.048	-0.937	-1.340	-0.761
Q8BT60	Cpne3	0.133	0.297	1.050	-0.584	0.000	-0.468	-1.280	-0.789
Q9JL61	Rfx5	0.105	0.252	-0.505	0.086	0.000	-1.050	-0.889	-0.307
Q8C0L0	Tmx4	0.533	0.800	0.070	-0.116	0.000	0.113	-0.118	0.169
Q9CR67	Tmem33	0.011	0.064	0.000	0.299	-0.015	1.150	0.633	1.090
O08912	Galnt1	0.941	1.000	0.124	-0.001	0.000	0.241	-0.251	0.096
O88384	Vti1b	0.769	1.000	0.080	0.000	-0.234	0.387	-0.713	-0.140
O88986	Gcat	0.640	0.917	-0.398	0.000	0.308	0.250	-0.442	-0.349

Q9WV80	Snx1	0.053	0.162	0.124	0.000	-0.011	-0.162	-0.776	-0.438
P70318	Tial1	0.250	0.463	-0.420	0.005	0.000	-0.234	-0.572	-0.309
Q9WU00	Nrf1	0.250	0.462	0.000	0.342	-0.076	-0.339	-0.325	0.125
Q9JKX4	Aatf	0.350	0.592	0.000	0.709	-1.030	-0.247	-0.828	-1.010
O54946	Dnajb6	0.385	0.634	-0.028	0.357	0.000	-0.199	-0.392	0.254
Q6KCD5	Nipbl	0.198	0.392	-0.044	0.000	0.205	0.043	-0.828	-0.282
Q9EST5	Anp32b	0.003	0.033	-0.081	0.000	0.074	-0.928	-1.530	-1.580
O35685	Nudc	0.046	0.149	0.279	-0.199	0.000	-0.351	-1.340	-0.968
Q7TSC1	Prrc2a	0.109	0.260	-0.311	0.000	0.082	-0.383	-0.282	-0.324
P59729	Rin3	0.908	1.000	0.881	-4.610	0.000	-0.058	-4.180	-0.287
O55234	Psmb5	0.002	0.022	0.000	-0.040	0.005	-0.534	-0.717	-0.480
Q9Z0P4	Palm	0.078	0.209	4.740	0.000	-1.440	5.760	4.970	5.890
Q9JHI5	Ivd	0.333	0.571	0.000	0.127	-0.011	0.544	-0.052	0.212
Q922J9	Far1	0.001	0.020	0.251	0.000	-0.223	1.600	1.300	1.720
Q8BLN5	Lss	0.000	0.011	0.000	-0.076	0.465	3.020	2.690	3.120
Q64685	St6gal1	0.007	0.047	-0.227	0.000	0.149	-0.709	-0.705	-0.551
O35864	Cops5	0.075	0.202	-0.163	0.000	0.098	-1.120	-1.010	-3.290
Q9CPP6	Ndufa5	0.245	0.456	-0.536	0.555	0.000	0.694	0.147	0.649
P15532	Nme1	0.004	0.038	0.000	0.373	-0.032	-0.827	-1.420	-1.230
P70271	Pdim4	0.116	0.271	0.000	0.283	-1.460	0.861	0.415	0.941
Q9D0M1	Prpsap1	0.155	0.330	-0.116	0.000	0.125	-0.059	-2.380	-1.090
Q8CB77	Tceb3	0.095	0.237	-0.143	0.026	0.000	-0.321	-0.886	-0.258
Q99LD9	Eif2b2	0.175	0.359	0.033	-0.145	0.000	-0.005	-0.644	-0.430
P17879	Hspa1b	0.401	0.652	0.000	-1.290	0.818	0.709	0.226	0.366
Q61696	Hspa1a	0.401	0.652	0.000	-1.290	0.818	0.709	0.226	0.366
O88544	Cops4	0.001	0.019	-0.084	0.083	0.000	-0.508	-0.674	-0.571
O55125	Nipsnap1	0.039	0.134	-0.109	0.000	0.160	0.335	0.199	0.384
Q8BZR9	Ncbp3	0.042	0.139	0.000	-0.357	0.139	-0.557	-1.920	-1.740
Q8BX10	Pgam5	0.212	0.409	-0.303	0.066	0.000	0.400	-0.081	0.256
Q8CG47	Smc4	0.107	0.256	0.051	0.000	-0.195	-0.164	-1.130	-0.645
Q9Z1T1	Ap3b1	0.903	1.000	0.355	0.000	-0.119	0.549	-0.293	0.090
P70245	Ebp	0.136	0.301	-0.271	0.136	0.000	0.523	0.032	0.355
P41105	Rpl28	0.677	0.953	0.058	-0.160	0.000	0.474	-0.870	-0.236
Q8C5P7	Tdrp	0.289	0.514	0.000	0.540	-3.900	-0.646	0.680	3.180
Q921G6	Lrch4	0.128	0.290	0.000	0.144	-0.354	-0.491	-0.524	-1.780
P48410	Abcd1	0.804	1.000	0.401	-0.082	0.000	0.518	-0.244	0.258
P07091	S100a4	0.014	0.073	-0.132	0.000	0.151	-0.450	-0.771	-0.446
Q9D1I2	Card19	0.027	0.106	-0.929	0.000	0.091	1.010	0.663	1.220
Q99LI5	Znf281	0.332	0.569	-0.459	0.034	0.000	-0.422	-0.184	-0.403
Q99M28	Rnps1	0.025	0.101	0.023	0.000	-0.010	-0.173	-0.526	-0.366
P19253	Rpl13a	0.055	0.166	0.072	-0.126	0.000	0.649	0.148	0.402
Q9D0R4	Ddx56	0.301	0.530	-0.058	0.000	0.322	0.224	-0.377	-0.453
Q9JJU8	Sh3bgrl	0.001	0.016	-0.279	0.031	0.000	-1.640	-2.170	-2.160
Q9D753	Exosc8	0.007	0.050	-0.219	0.000	0.109	-0.795	-0.804	-0.526
Q8C8U0	Ppfbp1	0.004	0.036	-1.930	0.000	0.118	4.310	3.430	3.420
P20491	Fcer1g	0.868	1.000	0.025	0.000	-0.757	0.174	-0.883	-0.237
P08226	ApoE	0.508	0.772	0.861	-0.299	0.000	0.960	0.161	0.360
Q62384	Zpr1	0.001	0.019	0.000	-0.018	0.224	-1.120	-1.420	-1.640
Q9DAV9	Tmem38b	0.014	0.073	0.128	0.000	-0.142	0.489	0.347	0.671
Q3UYC0	Ppm1h	0.126	0.287	-0.049	0.465	0.000	-0.111	-0.156	-0.485
O35405	Pld3	0.088	0.227	0.695	-0.043	0.000	-0.040	-1.100	-0.976
P46061	Rangap1	0.066	0.186	-0.024	0.000	0.159	-0.246	-0.623	-0.156
Q6ZQH8	Nup188	0.536	0.803	0.000	0.306	-0.291	-0.168	-0.324	0.082
Q9CQS8	Sec61b	0.002	0.025	0.034	0.000	-0.122	1.150	0.720	0.971
Q61686	Cbx5	0.059	0.173	0.129	-0.280	0.000	-0.287	-1.000	-0.770
P97480	Eya3	0.133	0.296	0.000	-0.166	0.589	-0.090	-2.020	-0.889
Q6A009	Ltn1	0.985	1.000	0.052	0.000	-0.178	0.434	-0.683	0.102
P12382	Pfkl	0.013	0.070	-0.225	0.544	0.000	-0.976	-1.550	-0.976
Q8BGC0	Htatsf1	0.081	0.213	0.000	-0.444	0.487	-1.040	-4.100	-1.620

O35648	Cetn3	0.061	0.176	0.000	-0.110	0.216	-0.144	-0.637	-0.458
Q9R1K9	Cetn2	0.007	0.048	0.000	-0.087	0.218	-0.638	-1.140	-0.782
Q63844	Mapk3	0.097	0.239	0.625	-0.043	0.000	-0.104	-0.713	-0.406
Q8JZM7	Cdc73	0.003	0.033	0.000	0.219	-0.127	-0.762	-1.210	-1.040
P50429	Arsb	0.524	0.790	0.190	-1.080	0.000	-0.004	-1.780	-0.486
Q3B7Z2	Osbp	0.301	0.529	0.000	-0.645	0.139	-0.287	-1.600	-0.361
Q8BMC4	Nop9	0.058	0.171	-0.300	0.866	0.000	-0.880	-0.720	-1.950
P42228	Stat4	0.004	0.034	-0.425	0.000	0.128	-1.440	-1.590	-1.150
Q8VEH3	Arl8a	0.427	0.683	0.000	0.064	-0.007	0.164	-2.160	0.049
Q8C7R4	Uba6	0.049	0.154	-0.131	0.000	0.079	-0.551	-1.370	-0.519
Q61216	Mre11a	0.103	0.249	0.000	0.005	-0.020	-0.225	-0.399	-0.043
Q9CQT1	Mri1	0.010	0.059	-0.208	0.000	0.005	-1.030	-2.150	-1.650
Q99KK2	Cmas	0.118	0.274	0.000	0.039	-0.028	-0.189	-0.483	-0.065
P58854	Tubgcp3	0.950	1.000	0.322	0.000	-0.040	0.316	-0.178	0.107
Q60854	Serpinb6	0.023	0.096	0.000	0.176	-0.003	-0.265	-0.736	-0.439
Q8K3K7	Agpat2	0.136	0.300	0.673	-0.697	0.000	0.782	0.680	0.732
Q9D8S3	Arfgap3	0.403	0.655	0.116	-0.337	0.000	0.416	-0.238	0.275
O88942	Nfatc1	0.007	0.049	0.000	0.025	-0.018	-0.426	-0.651	-0.342
P30416	Fkbp4	0.034	0.122	0.210	-0.131	0.000	-0.417	-1.450	-1.070
Q9WTP6	Ak2	0.009	0.057	0.187	0.000	-0.011	-0.394	-0.833	-0.616
Q51012	Slc38a10	0.015	0.076	0.000	0.102	-0.889	1.920	0.930	1.770
Q8CIV2	Tmem259	0.933	1.000	0.000	-0.305	3.950	1.260	4.740	-1.730
Q8BG51	Rhot1	0.015	0.076	0.000	0.146	-0.220	0.857	0.556	0.462
Q9ERI2	Rab27a	0.016	0.078	-0.088	0.258	0.000	-0.439	-0.539	-0.320
Q8K327	Champ1	0.072	0.197	0.000	0.682	-0.760	-1.110	-0.962	-1.050
Q8K3Z9	Pom121	0.636	0.912	-0.467	0.020	0.000	-0.303	-0.455	1.110
Q60759	Gcdh	0.450	0.708	0.000	0.355	-0.371	0.773	-0.053	0.092
Q91X78	Erlin1	0.006	0.047	0.506	0.000	-0.214	1.620	1.150	1.490
O08808	Diaph1	0.008	0.053	0.000	0.331	-0.056	-0.629	-1.230	-1.130
E9Q3L2	Pi4ka	0.023	0.096	0.000	-0.187	0.098	-0.443	-1.100	-0.794
P47226	Tes	0.054	0.164	-0.065	0.000	0.382	-0.256	-1.230	-0.735
P20108	Prdx3	0.006	0.046	0.214	-0.058	0.000	0.778	0.509	0.675
P28076	Psmb9	0.000	0.008	0.000	0.158	-0.071	-1.320	-1.440	-1.440
Q922Q2	Riok1	0.209	0.406	0.319	-0.036	0.000	0.212	-1.780	-0.775
Q3U2A8	Vars2	0.089	0.227	0.000	0.110	-0.376	0.144	0.368	0.307
Q99NB8	Ubqln4	0.918	1.000	-0.973	0.205	0.000	-0.248	-0.431	-0.210
P61961	Ufm1	0.109	0.260	0.161	-0.247	0.000	-0.168	-0.732	-0.429
Q80YD1	Supv311	0.046	0.149	0.000	0.195	-0.039	0.533	0.318	0.254
Q9WUM3	Coro1b	0.004	0.036	0.000	0.494	-0.016	-0.912	-0.833	-0.805
P62245	Rps15a	0.129	0.291	0.000	0.085	-0.316	-0.152	-0.630	-0.945
Q6ZWQ0	Syne2	0.001	0.014	-0.133	0.058	0.000	-0.906	-1.160	-0.960
Q9D162	Ccdc167	0.095	0.237	0.528	-0.276	0.000	1.370	0.371	2.040
Q6NSR8	Npepl1	0.008	0.053	-0.164	0.000	0.177	-0.998	-1.940	-1.350
B1AY13	Usp24	0.332	0.570	0.320	-0.715	0.000	0.167	-1.930	-0.876
Q6NZN0	Rbm26	0.151	0.323	0.000	-0.189	0.425	-0.493	-1.240	-0.077
O35737	Hnrnp1	0.264	0.482	-0.105	0.106	0.000	0.047	-0.222	-0.287
Q01768	Nme2	0.028	0.109	0.000	0.131	-0.266	-0.484	-1.090	-0.705
Q9D8Y8	Ing5	0.137	0.302	-0.463	0.040	0.000	-0.637	-0.577	-0.289
Q921F4	Hnrnp11	0.081	0.213	-0.224	0.000	0.360	-0.213	-0.501	-0.736
Q8K337	Inpp5b	0.001	0.019	-0.129	0.000	0.150	-1.020	-1.310	-1.430
Q62077	Plcg1	0.003	0.033	-0.125	0.000	0.471	-1.190	-1.370	-1.750
Q9DBC0	Selo	0.169	0.350	0.118	-0.027	0.000	0.290	-2.830	-2.140
Q99KK9	Hars2	0.327	0.564	0.000	0.815	-0.658	0.593	0.065	1.500
Q8BMQ2	Gtf3c4	0.311	0.544	-0.322	0.051	0.000	-0.220	-0.870	-0.103
Q99KP3	Cry1	0.002	0.027	-0.510	0.000	0.271	-1.670	-2.060	-2.120
Q8BHG9	Cggbp1	0.310	0.542	-0.314	0.000	0.385	-0.552	-0.518	0.112
Q3UDE2	Tll12	0.009	0.058	-0.158	0.219	0.000	-0.662	-1.330	-1.070
P54822	Adsl	0.060	0.175	-0.145	0.046	0.000	-0.266	-0.814	-0.390
P41242	Matk	0.064	0.183	-0.128	0.000	0.032	-0.458	-1.140	-0.374

O54825	Bysl	0.040	0.134	0.000	0.199	-0.082	-0.345	-0.495	-0.172
Q60591	Nfatc2	0.930	1.000	0.183	-1.590	0.000	-0.316	-0.458	-0.478
Q91V12	Acot7	0.020	0.089	-0.038	0.193	0.000	0.736	0.449	0.396
Q8BWD8	Cdk19	0.857	1.000	-1.270	0.000	0.173	-0.518	-0.267	-0.035
Q8C5L3	Cnot2	0.073	0.198	-0.390	0.000	0.063	-0.329	-1.130	-0.861
Q6PEB6	Mob4	0.779	1.000	-0.331	0.004	0.000	0.295	0.251	-0.595
Q8BHF7	Pgs1	0.017	0.080	0.000	1.120	-0.175	2.030	1.790	2.010
Q8K3J1	Ndufs8	0.002	0.025	0.000	0.081	-0.026	0.747	0.504	0.553
Q64433	Hspe1	0.001	0.018	0.000	0.100	-0.080	1.090	0.779	0.991
Q8C5N3	Cwc22	0.023	0.096	0.000	0.191	-0.464	-0.905	-2.000	-1.370
O70161	Pip5k1c	0.114	0.268	-0.827	0.696	0.000	0.554	0.961	1.390
Q80UJ7	Rab3gap1	0.391	0.640	-0.189	0.000	0.108	0.130	-0.432	-0.341
Q80XP8	Fam76b	0.240	0.449	0.252	-1.180	0.000	0.005	-3.390	-2.020
Q3V1L4	Nt5c2	0.047	0.149	0.000	0.109	-0.392	-0.430	-1.090	-0.869
Q9CXG3	Ppil4	0.025	0.103	0.000	-0.294	0.128	-0.723	-1.650	-0.961
Q6ZWN5	Rps9	0.784	1.000	0.205	0.000	-0.149	0.324	-0.286	-0.170
Q3ULJ0	Gpd1l	0.045	0.146	0.027	0.000	-0.287	-0.381	-1.230	-1.180
O35215	Ddt	0.032	0.118	-0.099	1.310	0.000	-3.690	-1.070	-2.560
Q9DB27	Mcts1	0.959	1.000	0.152	-0.168	0.000	0.247	-0.337	0.042
Q9WUP4	Srd5a3	0.212	0.409	0.098	-1.150	0.000	0.613	-0.036	0.341
Q9JKC8	Ap3m1	0.127	0.288	0.404	0.000	-0.143	0.882	0.358	0.385
Q99KQ4	Nampt	0.129	0.291	0.000	0.160	-0.599	-1.710	-1.790	-0.193
Q9WUA2	Farsb	0.086	0.223	0.000	0.165	-0.086	-0.105	-0.380	-0.183
Q8K0D5	Gfm1	0.253	0.467	0.000	0.253	-0.248	1.020	0.078	0.217
P62320	Snrpd3	0.040	0.135	0.000	0.221	-0.144	-0.306	-0.280	-0.293
P53026	Rpl10a	0.307	0.538	0.158	-0.322	0.000	0.118	-0.555	-0.840
P36993	Ppm1b	0.001	0.021	0.086	-0.228	0.000	-1.300	-1.800	-1.840
Q61035	Hars	0.035	0.123	-0.560	0.683	0.000	-1.710	-0.913	-1.280
Q8BP67	Rpl24	0.126	0.288	0.000	0.147	-0.328	0.301	0.143	0.228
Q8BQZ4	Ralgapb	0.057	0.170	-0.188	0.101	0.000	-0.179	-0.555	-0.491
Q99KN9	Clint1	0.085	0.221	0.000	-0.072	0.053	-0.466	-1.160	-0.263
Q6ZWV7	Rpl35	0.412	0.665	0.100	-0.032	0.000	0.532	-0.166	0.271
Q9QZL0	Ripk3	0.408	0.660	0.000	0.733	-0.238	0.654	-1.470	-0.577
Q62219	Tgfb1i1	0.001	0.022	-0.852	0.592	0.000	5.540	3.950	5.150
Q99M51	Nck1	0.034	0.122	0.044	0.000	-0.172	-1.730	-2.880	-0.932
Q8K157	Galm	0.001	0.018	-0.472	0.286	0.000	-2.590	-2.270	-2.830
Q6R891	Ppp1r9b	0.007	0.048	-0.300	0.179	0.000	-1.040	-1.590	-1.050
Q8VE97	Srsf4	0.080	0.211	0.065	-0.149	0.000	-0.350	-2.830	-2.070
P97868	Rbbp6	0.093	0.234	0.000	-0.157	0.004	0.164	0.016	0.278
Q9R1J0	Nsdhl	0.000	0.010	0.212	0.000	-0.154	1.860	1.730	1.980
Q9JLQ2	Git2	0.003	0.033	-0.185	0.261	0.000	-0.937	-1.420	-1.150
Q99K51	Pls3	0.002	0.027	0.000	0.943	-0.084	3.190	2.810	3.720
P54818	Galc	0.358	0.603	0.640	-0.012	0.000	0.282	-0.448	-0.145
P33609	Pola1	0.060	0.176	0.058	0.000	-0.834	-1.570	-1.450	-0.752
O70591	Pfdn2	0.026	0.103	0.000	0.302	-0.526	-0.767	-1.420	-1.340
Q60875	Arhgef2	0.124	0.284	0.011	-0.367	0.000	-0.122	-2.670	-3.400
Q66JX5	Fgfr1op	0.672	0.949	0.516	0.000	-0.404	-0.396	-2.760	1.530
P49117	Nr2c2	0.046	0.147	-0.415	0.000	0.288	-1.000	-1.560	-0.578
Q5EBH1	Rassf5	0.008	0.052	-0.317	0.000	0.413	-1.520	-2.820	-2.000
Q99N94	Mrpl9	0.093	0.234	0.142	0.000	-0.854	1.030	0.602	0.221
Q8C3X2	Ccdc90b	0.005	0.040	-0.005	0.303	0.000	1.660	1.020	1.250
P81117	Nucb2	0.002	0.027	0.376	0.000	-0.305	1.870	1.440	1.640
O54788	Dffb	0.056	0.166	0.000	1.160	-0.052	-1.010	-0.828	-0.474
Q9QY76	Vapb	0.449	0.707	0.020	0.000	-0.313	0.435	0.068	-0.237
P58404	Strn4	0.482	0.745	0.000	-0.039	0.280	-0.045	-0.554	0.248
Q9CQI7	Snrpb2	0.009	0.058	0.000	-0.133	0.059	-0.549	-0.991	-0.617
Q9CQN4	Sostdc1	0.262	0.478	-0.797	0.000	0.018	-1.030	-0.651	-0.382
Q9JKV1	Adrm1	0.232	0.436	0.000	-0.776	0.108	0.423	-4.760	-2.820
Q9JHC9	Elf2	0.083	0.216	-0.198	0.039	0.000	-0.443	-1.150	-0.367

P63087	Ppp1cc	0.072	0.197	-0.142	0.000	0.013	-0.169	-0.780	-0.518
P70371	Terf1	0.025	0.102	0.000	0.395	-0.619	-1.120	-1.050	-1.160
P46467	Vps4b	0.061	0.177	0.037	-0.210	0.000	-0.384	-1.500	-0.859
Q924A2	Cic	0.368	0.615	0.000	-0.386	0.805	-0.032	-0.150	-0.582
P55012	Slc12a2	0.024	0.099	0.000	-2.210	1.390	3.800	3.040	3.760
Q8R5A3	Apbb1ip	0.010	0.059	0.149	0.000	-0.079	-0.505	-1.010	-1.070
Q9JM90	Stap1	0.167	0.348	0.120	-0.071	0.000	-0.139	-0.977	-0.217
Q99N87	Mrps5	0.000	0.012	0.039	0.000	-0.040	1.140	0.934	0.888
Q8VDF2	Uhrf1	0.486	0.749	0.987	0.000	-0.817	0.598	-0.873	-1.370
Q91W50	Csde1	0.837	1.000	0.000	1.520	-0.584	0.018	-0.602	1.010
Q6IRU5	Cltb	0.010	0.059	0.000	-0.318	0.052	-0.644	-0.946	-0.715
Q8R3B7	Brd8	0.126	0.286	-0.614	0.116	0.000	-0.398	-2.410	-1.310
P25799	Nfkb1	0.017	0.080	0.000	-0.065	0.139	-0.430	-1.120	-0.909
Q9WTX8	Mad1l1	0.041	0.136	0.000	-0.010	0.350	-0.176	-0.603	-0.413
Q09XV5	Chd8	0.586	0.857	0.000	-1.090	0.094	-0.128	-0.357	0.228
Q923G2	Polr2h	0.104	0.252	-0.057	0.000	0.218	-0.239	-2.030	-0.901
Q61555	Fbn2	0.000	0.013	-0.574	0.551	0.000	3.680	3.550	3.750
Q921Y2	Imp3	0.195	0.387	0.000	0.390	-0.130	-0.035	-0.345	-0.201
Q8C5W3	Tbcel	0.029	0.112	0.000	0.915	-0.754	-2.390	-1.250	-2.060
Q8JZX4	Rbm17	0.033	0.121	0.000	0.276	-0.213	-0.865	-0.990	-0.361
Q9ER38	Tor3a	0.003	0.032	0.000	0.258	-0.172	0.998	0.891	1.220
P51881	Slc25a5	0.203	0.400	0.000	1.090	-0.121	0.477	1.260	1.440
O88627	Slc28a2	0.316	0.549	0.079	-0.550	0.000	-0.170	-1.540	-0.377
Q8K4L0	Ddx54	0.274	0.495	0.000	-0.315	0.208	0.291	-1.620	-0.988
Q8R1S0	Coq6	0.178	0.364	0.000	0.621	-0.148	0.936	0.515	0.414
E2JF22	Piezo1	0.024	0.098	0.000	-2.270	2.080	4.710	3.970	4.720
Q5SV85	Synrg	0.000	0.008	0.080	-0.246	0.000	5.810	5.470	6.420
Q9DBL7	Coasy	0.134	0.298	7.440	-0.978	0.000	7.090	7.330	7.010
P83870	Phf5a	0.029	0.110	-0.244	0.000	0.161	-0.640	-1.280	-0.627
Q5HZI9	Slc25a5l	0.018	0.083	-0.031	0.632	0.000	1.200	0.956	1.100
Q91VC9	Ghitm	0.003	0.030	0.000	0.088	-0.147	1.130	0.700	0.953
Q8BGB5	Limd2	0.130	0.293	0.000	-0.039	0.115	-0.066	-0.503	-0.158
Q8CAK1	Iba57	0.322	0.558	0.036	0.000	-0.449	0.439	-0.205	0.176
Q4QQM4	Trp53i11	0.420	0.674	0.000	0.090	-0.068	-0.104	-0.396	0.108
Q3UFY0	Rrp36	0.228	0.431	-0.058	0.250	0.000	-0.563	-0.442	0.160
P59999	Arpc4	0.531	0.798	0.000	0.139	-0.184	0.125	0.054	-0.015
Q9D6K8	Fundc2	0.013	0.071	0.000	0.474	-0.255	1.690	1.410	0.958
Q8BRT1	Clasp2	0.206	0.402	-0.569	0.000	0.003	-0.061	-1.620	-1.150
P62827	Ran	0.003	0.031	-0.041	0.044	0.000	-0.674	-1.100	-0.771
Q9Z108	Stau1	0.006	0.046	0.086	0.000	-0.256	1.060	0.598	1.010
P28867	Prkcd	0.874	1.000	0.163	0.000	-1.170	-0.357	0.299	-1.260
Q9ET54	Palld	0.003	0.031	0.370	-0.667	0.000	2.810	2.010	2.300
O08807	Prdx4	0.256	0.470	0.038	0.000	-0.002	0.439	-0.070	0.262
Q9QZ23	Nfu1	0.022	0.094	0.000	0.235	-0.727	1.080	0.755	1.350
Q3UEB3	Puf60	0.005	0.039	0.000	-0.093	0.127	-0.739	-1.290	-0.937
Q8C4B4	Unc119b	0.448	0.706	-0.956	0.211	0.000	0.115	-0.456	-2.910
Q9JKB1	Uchl3	0.006	0.045	0.000	0.255	-0.128	-1.230	-2.330	-1.720
Q9D906	Atg7	0.013	0.070	0.028	-0.171	0.000	-0.567	-1.170	-0.790
P51175	Ppox	0.909	1.000	0.000	0.082	-0.711	0.651	-0.730	-0.373
P54775	Psmc4	0.018	0.083	-0.123	0.000	0.106	-0.391	-0.884	-0.580
Q9ES56	Trappc4	0.865	1.000	0.000	0.560	-0.421	-0.618	0.358	0.174
P51163	Uros	0.072	0.196	0.559	-0.181	0.000	-0.372	-1.170	-2.130
P11440	Cdk1	0.243	0.453	0.534	0.000	-1.540	1.200	-0.031	0.779
Q810B6	Ankfy1	0.392	0.641	-0.006	0.356	0.000	0.165	0.066	-1.070
P52019	Sqle	0.002	0.027	0.000	1.740	-0.441	5.210	5.320	6.150
Q9JHR7	Ide	0.004	0.036	0.000	0.341	-0.020	-0.764	-0.819	-0.576
Q91W53	Golga7	0.087	0.224	0.117	0.000	-0.062	0.932	0.100	0.924
Q8BUK6	Hook3	0.569	0.837	0.000	-0.177	0.034	0.322	-0.911	-0.229
O88447	Klc1	0.910	1.000	0.000	-0.262	0.051	0.542	-0.641	0.015



Q9D1P0	Mrpl13	0.522	0.787	0.000	0.348	-0.702	0.959	-0.679	0.596
Q8BU31	Rap2c	0.351	0.592	0.427	-4.150	0.000	0.508	-0.089	0.526
Q99104	Myo5a	0.027	0.107	-0.006	0.000	0.152	0.704	1.170	1.920
Q9CQ80	Vps25	0.220	0.420	0.000	0.351	-0.161	0.672	0.002	1.430
Q8K1M6	Dnm1l	0.892	1.000	0.042	0.000	-0.313	0.147	-0.185	-0.310
Q9D2R0	Aacs	0.237	0.444	1.080	0.000	-0.323	1.580	0.944	0.464
O88271	Cfdp1	0.005	0.043	0.000	-0.146	0.287	-1.330	-2.440	-2.380
P83882	Rpl36a	0.645	0.922	0.260	0.000	-0.007	0.602	-0.206	0.227
P46638	Rab11b	0.020	0.089	0.000	0.117	-0.097	-0.270	-0.495	-0.285
Q9ERG2	Strn3	0.489	0.754	1.350	-1.770	0.000	1.130	-0.551	1.530
Q6ZQL4	Wdr43	0.934	1.000	0.170	0.000	-0.109	0.209	-0.182	-0.003
P23249	Mov10	0.371	0.618	0.000	0.062	-0.014	0.456	-0.062	0.118
P00493	Hprt1	0.004	0.038	0.000	0.060	-0.208	-1.260	-1.950	-1.240
O88351	Ikbkb	0.730	1.000	0.314	-0.360	0.000	0.876	-0.396	-0.052
Q64191	Aga	0.034	0.122	0.000	0.123	-1.280	0.991	1.240	0.958
Q9D517	Agpat3	0.027	0.107	0.000	0.348	-0.252	0.753	0.547	0.673
Q8R5H1	Usp15	0.003	0.031	0.364	0.000	-0.025	-1.680	-2.580	-1.690
Q62193	Rpa2	0.053	0.161	-4.040	0.454	0.000	-5.270	-6.020	-4.510
Q8K4X7	Agpat4	0.005	0.042	0.000	0.300	-0.338	1.030	0.953	1.130
P31996	Cd68	0.988	1.000	0.659	-0.005	0.000	0.757	-0.122	0.002
Q6PIP5	Nudcd1	0.042	0.139	0.000	-0.718	0.138	-0.872	-2.330	-1.830
Q9QYS9	Qki	0.249	0.462	-0.069	0.000	0.024	-0.109	-0.787	-0.085
Q9Z2M7	Pmm2	0.001	0.021	-0.080	0.000	0.173	-1.300	-1.910	-1.880
Q9CZL5	Pcbd2	0.058	0.171	0.028	0.000	-0.711	0.373	0.407	0.453
Q9QXA5	Lsm4	0.002	0.028	0.000	-0.110	0.040	-0.957	-1.370	-0.916
Q9Z266	Snapin	0.175	0.359	0.011	0.000	-0.270	-0.152	-0.396	-0.918
P63166	Sumo1	0.032	0.119	-0.103	0.000	0.363	-0.366	-0.411	-0.342
P62806	Hist1h4a	0.776	1.000	0.000	0.764	-0.074	-0.043	-0.259	0.643
Q99KD5	Unc45a	0.428	0.684	-0.049	0.000	0.165	0.289	-0.589	-0.285
Q9CQR6	Ppp6c	0.166	0.347	0.000	0.129	-1.020	-1.250	-0.873	-0.759
Q8R4K2	Irak4	0.016	0.078	0.152	0.000	-0.178	-0.685	-1.670	-1.410
P48771	Cox7a2	0.957	1.000	-0.456	0.000	0.309	0.089	-0.409	0.125
Q8R0J7	Vps37b	0.293	0.520	0.183	-0.042	0.000	0.116	-0.393	-0.175
P47964	Rpl36	0.019	0.085	0.146	-0.148	0.000	0.783	0.357	0.578
P23298	Prkch	0.210	0.407	-0.013	0.000	0.048	-0.075	-0.813	-0.138
Q8C4Y3	Nelfb	0.269	0.488	-0.182	0.000	0.311	0.143	-1.250	-0.417
Q9CQC9	Sar1b	0.173	0.356	0.127	-0.333	0.000	-0.158	-1.010	-0.454
Q80U78	Pum1	0.834	1.000	0.000	-0.142	0.437	0.833	-0.404	-0.438
Q91ZJ5	Ugp2	0.039	0.133	0.000	0.158	-0.579	-0.976	-1.240	-0.692
Q9ER64	Osbpl5	0.463	0.721	-0.879	0.118	0.000	-0.307	-0.060	0.631
P03911	Mtnd4	0.026	0.105	-1.040	0.000	0.181	0.916	1.730	1.150
Q9EP72	Emc7	0.060	0.175	0.022	0.000	-0.211	1.430	0.205	1.070
Q9CY66	Gar1	0.549	0.818	0.000	0.455	-0.523	-0.108	-0.504	-0.073
Q7TMI3	Uhrf2	0.019	0.087	-0.049	0.200	0.000	-0.215	-0.398	-0.482
Q8R332	Nup58	0.087	0.224	0.000	0.032	-0.337	-0.313	-1.300	-0.783
Q9JL56	Gde1	0.140	0.306	-1.780	0.755	0.000	0.971	0.895	1.310
Q60767	Ly75	0.069	0.192	-0.111	0.422	0.000	-0.712	-1.810	-0.459
Q9D6L8	Ppil3	0.024	0.098	0.014	-0.545	0.000	-0.749	-0.893	-0.939
E9PZM4	Chd2	0.002	0.022	0.000	0.221	-0.104	-0.784	-0.978	-1.070
Q925J9	Med1	0.684	0.960	0.315	-0.113	0.000	0.119	-0.251	0.102
Q7TQ95	Lnp	0.459	0.719	0.255	-0.105	0.000	0.500	-0.269	0.679
O70435	Psm3	0.004	0.035	0.000	0.181	-0.215	-0.858	-1.230	-1.360
Q9QYF9	Ndr3	0.462	0.721	0.109	-0.092	0.000	0.101	-2.550	0.247
P97427	Crmp1	0.006	0.046	-0.518	0.000	0.065	-2.230	-2.140	-1.360
P27782	Lef1	0.652	0.928	-1.410	0.000	1.930	0.644	-0.499	-1.250
Q6P9R4	Arhgef18	0.035	0.124	-0.095	0.000	0.552	-0.603	-1.540	-0.742
Q8BL74	Gif3c2	0.500	0.765	-0.311	0.113	0.000	-0.136	-0.581	0.027
Q61207	Psap	0.175	0.359	0.324	-0.624	0.000	-0.131	-1.780	-1.130
P70404	Idh3g	0.775	1.000	0.000	0.070	-0.248	0.756	-0.504	-0.078

Q8VE92	Rbm4b	0.900	1.000	0.000	0.638	-0.243	0.413	-0.485	0.642
Q9CPU0	Glo1	0.000	0.014	-0.265	0.169	0.000	-1.470	-1.690	-1.770
Q9CYI4	Luc7l	0.092	0.233	0.092	0.000	-0.204	-0.138	-1.260	-1.150
Q9R1Q9	Atp6ap1	0.509	0.773	0.000	-3.800	1.510	2.510	-2.850	3.560
Q9D3G5	Stx11	0.059	0.174	-0.116	0.240	0.000	-0.192	-0.385	-0.238
Q6P4S8	Ints1	0.654	0.930	-0.251	0.000	0.398	-0.260	0.115	0.830
Q9WTJ4	Fiz1	0.019	0.085	-0.768	0.551	0.000	-2.790	-4.340	-2.030
Q8BYU6	Tor1aip2	0.011	0.064	-0.119	0.338	0.000	2.410	1.340	2.900
Q8VDI9	Alg9	0.565	0.834	0.000	0.345	-1.230	0.923	-0.370	-0.251
Q8R4X3	Rbm12	0.025	0.101	0.114	-0.295	0.000	-0.754	-1.930	-1.300
P97822	Anp32e	0.017	0.080	-0.110	0.199	0.000	-1.090	-1.940	-0.873
Q9D6Y7	Msra	0.068	0.189	0.549	-0.217	0.000	-0.252	-0.768	-0.814
O55013	Trappc3	0.197	0.390	-0.068	0.000	0.058	0.042	-0.786	-0.387
Q5DTM8	Rnf20	0.061	0.177	-0.043	0.000	0.212	-0.235	-0.631	-0.198
P40630	Tfam	0.889	1.000	0.483	0.000	-0.272	0.049	0.003	0.264
O35166	Gosr2	0.289	0.514	0.000	-0.790	0.687	0.295	0.517	0.710
Q8BVL3	Snx17	0.151	0.322	0.000	1.180	-1.990	1.400	1.220	1.500
Q9WVE8	Pacsin2	0.460	0.719	0.260	0.000	-0.091	0.564	-0.113	0.262
Q9CR00	Psmc9	0.000	0.011	-0.220	0.000	0.049	-1.150	-1.140	-1.140
O88508	Dnmt3a	0.201	0.397	-0.367	0.018	0.000	-0.065	-1.310	-0.720
P97386	Lig3	0.578	0.849	0.068	0.000	-0.173	0.026	-0.596	0.058
Q571H0	Urb1	0.375	0.623	0.847	0.000	-0.023	0.911	-0.805	-1.810
P57080	Usp25	0.109	0.260	0.084	-0.165	0.000	-0.069	-1.320	-1.140
P62141	Ppp1cb	0.218	0.417	0.078	-0.044	0.000	0.122	-0.514	-0.526
Q9R0P6	Sec11a	0.066	0.186	0.000	0.620	-0.132	0.704	0.707	0.867
Q8R422	Cd109	0.002	0.025	0.000	-1.010	1.720	6.180	6.070	6.910
Q9DBA9	Gtf2h1	0.488	0.752	-0.068	1.270	0.000	0.286	0.054	-0.181
P58058	Nadk	0.361	0.606	1.210	0.000	-0.691	-0.082	-0.474	-0.743
Q4VAE3	Tmem65	0.014	0.072	0.000	0.487	-0.336	1.190	1.030	1.570
Q91Z38	Ttc1	0.021	0.091	-0.290	1.550	0.000	-1.560	-1.660	-1.960
P56135	Atp5j2	0.005	0.040	0.000	0.393	-0.087	0.924	1.130	0.968
Q6P9Q6	Fkbp15	0.205	0.402	0.000	0.346	-0.021	0.306	-1.450	-0.962
Q8C0D5	Efl1	0.065	0.184	0.000	0.237	-0.014	-0.080	-0.766	-0.729
Q8R1N0	Znf830	0.022	0.093	-0.006	0.000	0.395	-0.705	-1.570	-0.748
Q62348	Tsn	0.000	0.003	-0.097	0.000	0.053	-1.470	-1.540	-1.490
Q6PE01	Snrnp40	0.016	0.078	0.000	0.172	-0.032	-0.475	-0.884	-0.420
Q9DCM2	Gstk1	0.701	0.977	0.010	0.000	-0.212	0.377	-0.571	-0.378
Q9BCZ4	Vimp	0.732	1.000	-0.386	0.179	0.000	0.206	-0.445	-0.249
P02469	Lamb1	0.000	0.010	0.000	-0.970	0.049	4.590	4.580	4.770
Q9QUM4	Slamf1	0.023	0.096	0.042	-0.099	0.000	-0.350	-0.725	-0.965
Q9D0C4	Trmt5	0.109	0.260	-0.090	0.320	0.000	-0.850	-4.670	-1.540
Q8K4D3	Slc36a1	0.353	0.594	0.603	0.000	-0.040	0.838	0.183	0.432
Q8BGZ4	Cdc23	0.969	1.000	-0.048	0.000	0.477	0.290	-0.073	0.187
Q8BYA0	Tbcd	0.073	0.198	0.208	-0.046	0.000	-0.191	-1.560	-1.040
Q9CU65	Zmym2	0.023	0.097	0.139	0.000	-0.153	-0.563	-1.080	-0.512
Q9D6N5	Drap1	0.026	0.104	0.000	-0.142	0.076	-0.451	-1.270	-0.887
P70268	Pkn1	0.139	0.305	0.296	-0.083	0.000	0.064	-1.320	-0.873
Q8K268	Abcf3	0.662	0.938	0.000	0.314	-0.079	0.491	-0.526	-0.185
P18181	Cd48	0.140	0.306	-0.550	0.111	0.000	-1.040	-0.896	-0.252
O35704	Sptlc1	0.322	0.557	0.000	0.610	-0.610	1.960	-0.450	1.180
Q60848	Hells	0.176	0.360	0.617	-0.364	0.000	0.051	-1.150	-0.971
Q91VU0	Fam3c	0.497	0.763	-0.324	0.000	0.112	0.324	-0.226	0.155
Q80UP3	Dgkz	0.013	0.070	0.041	0.000	-0.034	-0.490	-1.080	-0.681
Q9CWK3	Cd2bp2	0.003	0.030	0.000	-0.074	0.360	-0.959	-1.200	-0.874
O35954	Pitpnm1	0.016	0.079	-0.371	0.600	0.000	-0.920	-1.220	-1.360
P52432	Polr1c	0.009	0.058	0.073	-0.049	0.000	-0.297	-0.468	-0.254
E9QAM5	Helz2	0.272	0.492	0.165	0.000	-0.002	0.296	-0.785	-0.678
Q9R117	Tyk2	0.498	0.763	-0.303	1.680	0.000	1.680	-1.290	5.770
O09126	Sema4d	0.389	0.638	0.000	-0.504	0.016	-0.443	-0.502	-0.137

Q8C5L6	Inpp5k	0.406	0.658	0.323	-0.057	0.000	0.022	-0.757	0.149
Q9D1M4	Eef1e1	0.658	0.934	0.000	0.081	-0.123	0.368	-0.741	-0.135
P08556	Nras	0.188	0.378	-0.332	0.239	0.000	0.065	0.343	0.475
Q8R3C0	Mcmbp	0.017	0.081	0.000	0.437	-0.374	-0.773	-1.280	-1.210
P16332	Mut	0.015	0.076	0.000	0.403	-0.314	1.300	0.791	1.140
P98195	Atp9b	0.441	0.697	0.290	0.000	-1.440	0.627	-0.514	0.370
Q9WU84	Ccs	0.004	0.036	-0.087	0.000	0.263	-0.735	-1.230	-1.050
Q8BG15	Ctdspl2	0.161	0.339	0.158	0.000	0.000	-0.044	-1.070	-0.326
Q7TNP2	Ppp2r1b	0.648	0.925	0.000	-1.640	0.062	-0.091	-1.450	-1.050
Q9QZH3	Ppie	0.006	0.045	-0.384	0.000	0.099	-1.000	-1.100	-0.840
Q9D0B6	Pbdc1	0.040	0.134	-0.101	0.317	0.000	-0.847	-1.480	-0.430
Q8VDD8	Wash1	0.001	0.014	0.000	-0.181	0.148	-2.180	-2.970	-2.460
Q9CWF2	Tubb2b	0.013	0.070	-1.480	0.205	0.000	2.340	1.630	2.050
Q924L1	Letmd1	0.672	0.950	-1.210	0.847	0.000	-1.630	0.966	-1.040
P58871	Tnks1bp1	0.036	0.125	0.000	0.067	-0.956	0.608	0.849	0.825
Q9JLR1	Sec61a2	0.001	0.015	0.743	-0.345	0.000	3.980	3.380	3.910
Q8JZR0	Acs15	0.110	0.261	-0.081	0.000	0.085	0.658	0.086	0.323
Q80UU2	Rpp38	0.005	0.039	0.284	0.000	-0.181	-0.693	-0.891	-0.837
Q9D8S4	Rexo2	0.107	0.257	-0.191	0.000	0.052	0.356	0.007	0.431
Q7TSQ8	Pdpr	0.166	0.347	0.000	0.234	-0.035	1.070	0.066	0.599
Q99LD4	Gps1	0.116	0.271	0.000	-0.608	0.075	-0.392	-2.690	-1.650
Q9D7B6	Acad8	0.170	0.353	0.000	-1.970	0.001	1.380	0.114	0.357
Q9D2E2	Toe1	0.038	0.129	-0.230	0.099	0.000	-0.498	-1.300	-0.711
Q8BGK6	Slc7a6	0.020	0.088	0.473	0.000	-0.733	1.870	1.030	1.780
Q3U319	Rnf40	0.939	1.000	-0.282	0.018	0.000	-0.232	-0.673	0.745
Q8BWW9	Pkn2	0.014	0.073	0.067	-0.265	0.000	1.650	0.718	1.050
Q69ZX6	Morc2a	0.031	0.116	0.000	0.070	-0.068	-0.314	-1.090	-0.935
Q8BMG7	Rab3gap2	0.815	1.000	0.974	0.000	-2.280	-0.344	-1.730	-0.051
P52332	Jak1	0.177	0.363	0.099	-0.263	0.000	0.484	0.026	0.174
Q8K370	Acad10	0.053	0.162	0.324	0.000	-0.339	0.796	0.651	0.382
Q9ERG0	Lima1	0.016	0.078	-1.030	0.000	1.290	3.320	2.760	2.660
P70677	Casp3	0.003	0.030	-0.016	0.138	0.000	-1.190	-2.040	-1.570
P70303	Ctps2	0.915	1.000	-1.140	0.507	0.000	-0.358	-0.806	0.335
Q8C079	Strip1	0.020	0.089	0.000	0.023	-0.001	-0.227	-0.556	-0.309
O35963	Rab33b	0.738	1.000	0.000	0.257	-0.073	0.208	-0.033	0.142
Q91V01	Lpcat3	0.000	0.014	0.081	0.000	-0.276	1.120	1.080	1.090
Q3U308	Ctu2	0.630	0.906	-0.090	0.000	0.201	0.290	-0.324	-0.173
Q9R0N0	Galk1	0.017	0.082	0.220	0.000	-0.038	-0.664	-1.340	-0.646
Q6TEK5	Vkorc111	0.114	0.268	0.438	0.000	-0.745	0.971	0.277	1.730
P51612	Xpc	0.055	0.166	-0.178	0.000	0.301	-0.793	-1.460	-0.385
Q8VI93	Oas3	0.907	1.000	-1.180	1.910	0.000	-0.757	1.090	0.796
Q9R0L7	Akap8l	0.946	1.000	-0.713	0.000	5.100	1.220	-0.563	3.270
A2ALW5	Dnajc25	0.089	0.227	0.000	0.099	-0.136	0.114	1.400	1.090
Q8BX80	Engase	0.040	0.135	0.000	0.000	-0.421	-0.479	-1.130	-0.991
O35345	Kpna6	0.521	0.787	0.000	0.117	-0.022	0.282	-0.333	-0.277
Q6P9R2	Oxsr1	0.403	0.653	0.000	-0.051	0.401	0.108	-0.789	0.103
Q8BX70	Vps13c	0.314	0.547	-0.587	4.430	0.000	-1.540	-0.507	0.164
Q9D2X5	Mau2	0.343	0.582	1.700	-0.299	0.000	0.721	-2.370	-0.480
Q9CQZ6	Ndufb3	0.002	0.025	-0.037	0.054	0.000	0.800	0.535	0.580
Q8VEH8	Erlec1	0.003	0.030	-0.264	0.815	0.000	2.390	2.290	2.460
Q9DBS9	Osbpl3	0.028	0.108	-0.747	0.622	0.000	-1.900	-2.520	-1.220
Q9ET22	Dpp7	0.022	0.093	0.280	-0.651	0.000	1.120	0.745	1.040
Q7TT00	Supt20h	0.529	0.796	-0.259	0.000	0.989	-0.214	-1.420	0.814
P55264	Adk	0.048	0.152	0.000	-0.071	0.107	-0.916	-2.270	-0.795
Q99J45	Nrbp1	0.236	0.444	0.000	0.419	-0.402	0.398	-1.600	-2.240
Q99MD9	Nasp	0.010	0.058	0.000	0.025	-0.302	-0.880	-1.720	-1.430
Q61183	Papola	0.003	0.031	-0.236	0.000	0.015	-2.470	-1.820	-3.070
Q9JK38	Gnpnat1	0.020	0.087	-0.428	0.206	0.000	-1.870	-4.330	-2.580
Q9EQN3	Tsc22d4	0.102	0.247	-0.175	0.000	0.444	-0.414	-1.580	-0.445

Q64523	Hist2h2ac	0.516	0.779	0.000	-4.270	2.780	1.090	-7.740	-1.910
Q6GSS7	Hist2h2aa1	0.516	0.779	0.000	-4.270	2.780	1.090	-7.740	-1.910
Q8C5L7	Rbm34	0.393	0.641	0.000	-0.513	0.047	-0.005	-1.680	-0.339
Q61164	Ctcf	0.396	0.646	0.000	-0.032	0.363	0.254	-1.530	-0.016
Q9EQW7	Kif13a	0.113	0.266	0.000	-0.297	0.102	-0.141	-3.210	-2.580
P45878	Fkbp2	0.153	0.325	0.467	-0.204	0.000	0.711	0.217	0.684
P05063	Aldoc	0.181	0.368	0.123	-0.392	0.000	-0.459	-0.168	-0.728
Q08122	Tle3	0.005	0.040	-0.384	0.000	0.107	-1.320	-2.140	-1.610
Q8VEJ4	Nle1	0.656	0.932	0.581	0.000	-0.057	0.782	-1.120	0.012
Q9D6M3	Slc25a22	0.001	0.016	0.000	0.088	-0.280	1.510	1.170	1.410
Q6PGB6	Naa50	0.083	0.216	0.000	1.470	-0.508	-1.190	-2.400	-0.760
Q9ERE7	Mesdc2	0.075	0.203	0.218	-0.024	0.000	0.875	0.330	0.366
P97808	Fxyd5	0.556	0.825	0.040	-0.208	0.000	0.153	-0.912	-0.054
Q9D2R6	Coa3	0.017	0.080	0.000	0.304	-0.248	1.120	0.611	0.904
Q6PDK2	Kmt2d	0.835	1.000	-0.075	0.000	0.729	0.995	-3.110	1.750
O35955	Psmb10	0.003	0.033	-0.486	0.139	0.000	-1.520	-1.850	-1.380
Q9D666	Sun1	0.011	0.064	-0.159	0.054	0.000	0.644	0.375	0.368
Q69ZQ2	Isy1	0.308	0.540	0.000	0.024	-0.086	-0.353	-4.570	-0.172
Q9CQM9	Glrx3	0.670	0.948	0.000	0.737	-0.831	0.182	-0.361	-0.620
Q3UHD9	Agap2	0.512	0.776	0.000	-1.590	2.090	1.140	0.229	1.570
P62869	Tceb2	0.005	0.040	-0.160	0.000	0.361	-0.924	-1.230	-0.867
Q8VE18	Smg8	0.067	0.186	0.000	-0.252	0.155	-0.327	-0.869	-0.432
P59997	Kdm2a	0.046	0.148	-0.142	0.000	0.321	-0.327	-0.528	-0.298
Q5U4D9	Thoc6	0.253	0.467	-0.007	0.107	0.000	0.133	-0.430	-0.299
Q61790	Lag3	0.676	0.952	-1.220	1.200	0.000	-1.810	-0.508	0.885
Q8BMA6	Srp68	0.366	0.613	0.286	-0.009	0.000	0.374	-0.726	-0.412
P47934	Crat	0.395	0.644	0.000	-3.600	0.145	2.180	-1.640	0.743
Q9R0M6	Rab9a	0.599	0.872	0.489	-0.023	0.000	1.030	-0.266	0.401
Q91WK1	Spryd4	0.045	0.146	0.000	0.231	-0.354	0.951	0.398	0.566
Q9CQE1	Nipsnap3b	0.179	0.365	0.000	0.874	-0.677	0.769	0.963	0.692
Q9WVD5	Slc25a15	0.005	0.042	-0.508	0.364	0.000	1.270	1.750	1.660
Q8BFU2	Hist3h2a	0.777	1.000	0.000	-4.410	1.560	0.303	-3.670	-1.420
Q8CGP5	Hist1h2af	0.777	1.000	0.000	-4.410	1.560	0.303	-3.670	-1.420
Q8CGP7	Hist1h2ak	0.777	1.000	0.000	-4.410	1.560	0.303	-3.670	-1.420
Q6DID3	Scaf8	0.074	0.200	-0.313	0.005	0.000	-0.483	-1.190	-0.490
Q4FZC9	Syne3	0.324	0.559	0.000	-0.003	0.647	0.218	-0.099	-0.456
Q7TQK4	Exosc3	0.740	1.000	0.915	0.000	-1.500	0.287	-2.560	0.408
Q3U3R4	Lmf1	0.048	0.151	0.000	-1.190	0.317	1.070	0.891	1.090
Q8VCS3	Fam20b	0.046	0.148	-0.069	0.014	0.000	0.362	0.123	0.555
P63328	Ppp3ca	0.969	1.000	0.252	-1.670	0.000	-0.681	-0.504	-0.307
Q99LG2	Tnpo2	0.144	0.311	-0.517	0.405	0.000	-0.599	-0.596	-0.407
P34902	Il2rg	0.090	0.230	-0.469	0.000	0.113	-0.901	-0.440	-0.531
O70422	Gtf2h4	0.073	0.198	0.000	-0.232	0.120	-0.256	-0.742	-0.400
Q9R059	Fhl3	0.007	0.049	0.173	-0.055	0.000	1.130	0.644	0.797
Q99N69	Lpxn	0.148	0.318	-1.040	0.000	0.363	-0.818	-1.570	-0.895
Q921E6	Eed	0.268	0.487	0.000	-0.754	0.004	-0.297	-1.060	-0.684
Q8BVW3	Trim14	0.019	0.086	-0.022	0.118	0.000	-0.230	-0.342	-0.147
Q5SU73	Coil	0.142	0.309	-0.437	0.214	0.000	-0.490	-1.940	-0.572
P97360	Etv6	0.033	0.119	0.065	-0.481	0.000	-0.573	-0.940	-1.020
Q8BFR4	Gns	0.030	0.113	0.302	-0.538	0.000	1.030	0.604	0.845
Q91Z53	Grhpr	0.060	0.176	0.000	-0.087	0.077	-0.125	-0.652	-0.656
P11688	Itga5	0.002	0.028	1.160	-0.159	0.000	3.840	3.150	3.570
P97494	Gclc	0.814	1.000	0.000	-3.610	0.176	-1.950	-2.290	-0.243
Q9DCC4	Pycl1	0.014	0.073	-0.043	0.149	0.000	-0.894	-0.823	-0.369
Q9WTK3	Gpaa1	0.096	0.239	0.000	0.450	-0.747	0.795	0.416	1.080
Q61165	Slc9a1	0.476	0.736	0.000	3.350	-0.438	1.690	2.590	1.560
P35285	Rab22a	0.166	0.347	0.077	-0.430	0.000	-0.291	-0.396	-0.563
O08759	Ube3a	0.729	1.000	-1.650	0.000	0.109	-0.266	-1.150	-0.824
P55937	Golga3	0.555	0.824	0.743	-0.155	0.000	0.761	-0.700	-0.507

Q8CGF7	Tcerg1	0.003	0.030	0.000	-0.052	0.036	-0.456	-0.710	-0.493
Q8R0A0	Gtf2f2	0.054	0.164	0.000	0.383	-0.040	-0.234	-1.020	-0.550
Q69ZR2	Hectd1	0.209	0.406	0.000	-0.236	0.376	0.342	-1.490	-2.030
P01887	B2m	0.002	0.024	-0.085	0.041	0.000	-0.362	-0.494	-0.399
Q3TZX8	Nol9	0.039	0.134	0.000	0.630	-0.031	-0.350	-0.702	-0.502
P15864	Hist1h1c	0.098	0.241	0.000	-0.140	0.151	-0.276	-0.471	-0.109
P70218	Map4k1	0.001	0.015	-0.001	0.000	0.020	-0.901	-1.290	-1.110
O55142	Rpl35a	0.064	0.183	0.103	0.000	-0.035	0.678	0.149	0.445
Q9D7H3	RtcA	0.331	0.569	0.000	0.509	-0.242	-0.137	-0.464	0.003
O08585	Clta	0.023	0.095	0.196	0.000	-0.151	-0.400	-0.895	-0.573
Q00651	ltga4	0.060	0.176	-0.013	0.000	0.220	-0.247	-0.705	-0.212
Q9JHQ5	Lztf1	0.249	0.461	0.000	1.550	-1.860	-0.883	-2.190	-1.500
Q8CI33	Cwf1911	0.057	0.168	0.000	-0.338	0.204	-0.426	-1.560	-1.040
Q9DBD5	Pelp1	0.585	0.857	0.000	0.295	-0.055	0.379	-0.345	-0.239
Q8BPB0	Mob1b	0.065	0.184	0.002	-0.022	0.000	-1.070	-0.971	-0.160
Q921Y0	Mob1a	0.065	0.184	0.002	-0.022	0.000	-1.070	-0.971	-0.160
Q91VJ4	Stk38	0.126	0.288	0.000	0.140	-0.080	-0.206	-1.220	-0.366
Q91VA6	Poldip2	0.121	0.278	0.000	0.211	-1.280	1.200	0.544	0.335
Q8R307	Vps18	0.451	0.708	0.576	0.000	-2.330	-5.690	0.344	-1.420
Q9Z1P6	Ndufa7	0.004	0.037	-0.044	0.000	0.010	1.000	0.554	0.732
O35492	Clk3	0.094	0.236	0.396	0.000	-0.283	-0.169	-1.650	-1.240
Q9CQY5	Magt1	0.003	0.030	0.204	0.000	-0.242	1.620	1.090	1.260
Q80UK8	Ints2	0.770	1.000	0.000	0.667	-0.462	0.070	-0.378	0.167
Q9JJA7	Ccnl2	0.068	0.188	-0.146	0.098	0.000	-1.860	-1.480	-4.980
Q91VT1	Nsmce2	0.108	0.258	0.022	0.000	-0.060	-0.181	-1.100	-0.457
Q9QZA0	Ca5b	0.641	0.917	-0.511	1.310	0.000	0.880	0.859	-3.100
P53798	Fdft1	0.001	0.020	0.237	-0.533	0.000	3.080	2.240	2.750
Q8CGC6	Rbm28	0.512	0.776	0.000	0.234	-0.130	0.198	-0.353	-0.157
Q91XC9	Pex16	0.174	0.359	0.000	0.199	-0.204	-0.082	-0.321	-0.286
Q8BJU0	Sgta	0.034	0.122	0.181	-0.136	0.000	-0.501	-1.020	-0.422
Q80YQ2	Med23	0.492	0.756	-0.693	0.000	0.423	-1.010	-4.040	1.240
P58281	Opa1	0.111	0.263	-0.010	0.052	0.000	-0.089	-0.563	-0.194
Q9D1K2	Atp6v1f	0.511	0.776	0.318	0.000	-0.373	1.120	-0.116	-0.082
Q9QY36	Naa10	0.267	0.486	-0.260	0.090	0.000	-0.029	-1.070	-0.333
Q03526	Itk	0.005	0.041	0.620	-0.355	0.000	-2.150	-1.480	-1.840
Q9D0L8	Rnmt	0.050	0.155	-0.425	0.000	0.004	-0.704	-1.880	-1.010
Q8VDT9	Mrpl50	0.179	0.365	0.195	-2.670	0.000	0.890	0.464	0.716
Q6ZWY3	Rps27l	0.220	0.419	0.023	-0.195	0.000	0.934	-0.035	0.227
P70700	Poir1b	0.494	0.759	-2.100	0.525	0.000	-0.634	-1.670	-1.200
A2RSY6	Trmt1l	0.025	0.102	0.000	0.306	-0.067	-0.295	-0.736	-0.522
Q8K215	Lym4	0.019	0.086	0.000	0.224	-0.231	0.718	0.439	0.602
Q8VE11	Mttr6	0.246	0.457	0.271	-0.215	0.000	0.096	-0.464	-0.672
P35601	Rfc1	0.381	0.631	0.361	-0.017	0.000	0.169	-0.405	-0.034
P68134	Acta1	0.003	0.033	0.940	-1.600	0.000	5.180	4.230	4.750
Q8BTV2	Cpsf7	0.081	0.213	0.276	-0.116	0.000	-0.122	-0.689	-0.432
Q9R1P0	Psma4	0.005	0.039	0.000	-0.149	0.029	-0.825	-1.490	-1.300
Q6NXI6	Rprd2	0.317	0.551	-1.120	0.219	0.000	-2.430	-0.277	-0.826
O88958	Gnpda1	0.039	0.133	-0.415	0.245	0.000	-1.350	-1.430	-0.531
P97814	Pstpip1	0.021	0.091	0.000	-0.470	0.035	-0.725	-1.330	-1.030
Q9CR20	Ier3ip1	0.008	0.054	-0.005	0.000	0.262	1.340	0.984	0.751
P61963	Dcaf7	0.926	1.000	-0.608	0.000	0.679	-0.850	-0.695	1.910
Q9JLZ3	Auh	0.243	0.453	0.028	0.000	-0.092	0.540	-0.170	0.570
Q9DBC3	Cmtr1	0.022	0.093	-0.160	0.062	0.000	-0.408	-0.824	-0.464
Q8BGS7	Cept1	0.152	0.323	-0.085	0.000	0.517	0.219	1.040	0.812
Q9JLV1	Bag3	0.004	0.038	-0.462	0.056	0.000	1.980	1.160	1.520
Q61462	Cyba	0.727	1.000	0.833	-0.144	0.000	0.806	-0.516	-0.163
Q8BGA9	Oxa1l	0.039	0.133	0.000	-1.550	0.191	1.400	1.020	1.330
O88286	Wiz	0.633	0.909	0.000	-0.611	0.289	-0.058	-1.210	0.168
Q91WK2	Eif3h	0.199	0.394	0.008	0.000	-0.211	-0.065	-0.983	-0.428

Q9CZE3	Rab32	0.582	0.853	0.695	0.000	-0.235	0.973	0.064	0.146
Q3UMW8	Cln5	0.192	0.384	0.765	-0.088	0.000	0.123	-0.679	-0.468
Q8BUY5	Timmec1	0.012	0.067	0.000	0.616	-0.099	1.080	1.290	1.470
B2RRE7	Otud4	0.049	0.154	0.191	-0.090	0.000	-0.294	-1.270	-0.795
Q62018	Ctr9	0.075	0.202	0.000	0.236	-0.610	0.292	0.707	0.680
Q9CZV5	Supt7l	0.575	0.845	-0.216	0.417	0.000	-1.000	0.236	0.159
Q9EQ06	Hsd17b11	0.029	0.111	0.144	0.000	-0.254	0.493	0.301	0.386
Q9ERB0	Snap29	0.440	0.697	0.870	-3.570	0.000	0.006	0.284	0.520
Q9WV70	Noc2l	0.688	0.964	1.540	-3.470	0.000	0.186	-0.279	-4.600
P18572	Bsg	0.144	0.311	0.286	0.000	-0.498	1.030	0.217	0.378
Q8R5L3	Vps39	0.681	0.957	0.177	0.000	-0.224	0.208	-0.321	-0.195
Q99JX3	Gorasp2	0.318	0.551	0.543	-0.132	0.000	-0.070	-1.110	0.110
Q7TN29	Smap2	0.490	0.754	0.000	0.100	-0.152	-0.023	-1.170	0.172
P33215	Nedd1	0.164	0.344	-0.152	0.000	0.093	0.011	-0.730	-0.524
O08528	Hk2	0.670	0.948	0.751	0.000	-0.383	0.849	-0.130	0.255
Q8BZ21	Kat6a	0.030	0.114	-0.637	0.000	0.235	-0.967	-1.210	-1.830
O35218	Cpsf2	0.010	0.060	-0.237	0.000	0.049	-0.570	-0.956	-1.070
O09000	Ncoa3	0.012	0.067	-0.143	0.000	0.327	-0.566	-1.070	-0.840
Q8K394	Plcl2	0.265	0.483	-1.200	0.866	0.000	-2.160	0.368	-3.650
Q9QYF1	Rdh11	0.005	0.043	-0.299	0.000	0.105	1.200	1.590	0.889
Q68FG3	Spty2d1	0.592	0.864	0.222	0.000	-0.215	0.424	0.089	-1.650
O54918	Bcl2l11	0.580	0.851	0.000	0.199	-0.024	0.457	-0.129	0.176
P70279	Surf6	0.040	0.135	-0.194	0.000	0.050	-0.442	-1.100	-0.554
P10853	Hist1h2bf	0.891	1.000	0.000	1.230	-0.393	-0.370	-0.110	1.030
P10854	Hist1h2bm	0.891	1.000	0.000	1.230	-0.393	-0.370	-0.110	1.030
Q64475	Hist1h2bb	0.891	1.000	0.000	1.230	-0.393	-0.370	-0.110	1.030
Q64478	Hist1h2bh	0.891	1.000	0.000	1.230	-0.393	-0.370	-0.110	1.030
Q64525	Hist2h2bb	0.891	1.000	0.000	1.230	-0.393	-0.370	-0.110	1.030
Q6ZWY9	Hist1h2bc	0.891	1.000	0.000	1.230	-0.393	-0.370	-0.110	1.030
Q8CGP2	Hist1h2bp	0.891	1.000	0.000	1.230	-0.393	-0.370	-0.110	1.030
Q3U4G3	Xyylt1	0.129	0.292	-3.840	0.000	0.665	2.220	0.974	1.950
Q9D8Y1	Tmem126a	0.000	0.011	0.000	0.009	-0.058	1.380	1.100	1.350
Q8VE10	Naa40	0.971	1.000	0.406	-0.674	0.000	0.640	-0.660	-0.192
P29352	Ptpn22	0.929	1.000	-0.876	0.000	0.428	0.287	-0.538	-0.326
Q9D067	Mdm1	0.213	0.409	-0.765	0.076	0.000	-1.780	-1.030	-0.213
Q3TL44	Nlr1	0.072	0.196	0.000	0.222	-0.158	0.479	0.242	0.303
P61202	Cops2	0.045	0.146	0.034	-0.233	0.000	-0.510	-1.110	-0.490
Q9CZN8	Qrs1	0.705	0.982	0.000	0.121	-0.527	0.510	-0.341	-0.174
Q9WUD1	Stub1	0.453	0.711	0.263	0.000	-0.427	-2.900	0.114	0.084
Q9CQC6	Bzw1	0.586	0.858	0.316	0.000	-0.007	0.514	-0.502	-0.281
P27577	Ets1	0.124	0.284	0.000	-0.224	0.369	-0.182	-1.230	-0.507
O35239	Ptpn9	0.099	0.243	1.850	0.000	-0.292	1.650	2.830	1.930
Q8BTY2	Slc4a7	0.880	1.000	-1.360	0.085	0.000	1.850	-2.210	-0.310
P62311	Lsm3	0.001	0.015	-0.195	0.357	0.000	-1.830	-1.570	-1.770
Q8CI95	Osbpl11	0.208	0.404	0.301	-0.146	0.000	0.187	-3.070	-1.250
Q9JMG1	Edf1	0.286	0.511	-0.171	0.000	0.306	-0.570	-0.968	0.252
Q91VN4	Chchd6	0.012	0.068	0.000	0.253	-1.110	1.520	1.500	1.590
Q9ESJ0	Xpo4	0.053	0.162	-0.029	0.000	0.040	-0.345	-1.510	-0.877
Q8BSU7	Mob3a	0.407	0.658	0.000	0.097	-2.220	-0.040	-0.204	0.256
Q6S5J6	Krit1	0.383	0.632	-0.145	0.136	0.000	0.151	-5.620	-0.086
Q61211	Eif2d	0.125	0.285	0.228	-0.376	0.000	-0.314	-1.080	-0.460
Q9WTS2	Fut8	0.130	0.293	0.405	0.000	-0.479	0.706	0.666	0.242
Q78IS1	Tmed3	0.014	0.074	0.000	0.223	-1.510	1.870	1.690	2.000
Q8R079	Bfar	0.008	0.054	0.000	0.725	-0.217	1.700	1.460	1.620
Q8VEB4	Pla2g15	0.315	0.549	0.547	0.000	-0.266	0.162	-0.645	-0.399
Q9WU56	Pus1	0.903	1.000	2.900	-0.702	0.000	2.620	0.251	-1.290
Q6PHN9	Rab35	0.343	0.583	0.000	0.085	-0.300	0.045	-0.496	-0.430
Q8K4I3	Arhgef6	0.010	0.058	-0.259	0.000	0.183	-0.812	-1.510	-1.100
Q91ZN5	Slc35b2	0.050	0.156	0.290	-0.058	0.000	0.603	0.284	0.611

Q9CQT2	Rbm7	0.006	0.045	0.000	0.373	-0.119	-1.020	-0.864	-0.687
B2RWS6	Ep300	0.670	0.948	0.000	1.170	-0.194	0.000	0.248	0.134
O35904	Pik3cd	0.505	0.769	0.000	-0.553	0.026	-0.185	-0.997	-0.099
P53569	Cebpz	0.047	0.150	-0.954	0.335	0.000	-1.100	-1.420	-1.770
Q71RI9	Kyat3	0.016	0.079	0.000	0.041	-0.711	0.821	0.680	0.805
O88587	Comt	0.014	0.072	-0.457	0.392	0.000	1.030	0.947	1.110
Q3U3I9	Znf865	0.618	0.892	-0.629	0.000	0.065	-0.096	-1.410	0.093
O55187	Cbx4	0.330	0.567	-0.691	0.501	0.000	-0.719	-0.528	-0.198
Q03958	Pfdn6	0.085	0.220	0.000	1.140	-1.340	-2.000	-2.560	-1.220
P50295	Nat2	0.967	1.000	-0.476	1.580	0.000	-0.090	1.210	0.073
Q91YJ2	Snx4	0.196	0.389	-2.760	1.530	0.000	2.230	0.355	3.230
P10820	Prf1	0.674	0.951	-2.310	0.297	0.000	-1.810	-1.130	-0.338
Q8CGZ0	Cherp	0.085	0.220	-0.172	0.165	0.000	-0.178	-0.463	-0.254
Q3UFM5	Nom1	0.004	0.036	0.326	0.000	-0.274	-1.150	-1.300	-0.992
Q9D338	Mrpl19	0.721	1.000	0.000	-0.168	0.031	1.100	-0.582	-0.080
Q8R3Q0	Saraf	0.011	0.063	0.000	-0.070	0.063	0.953	0.424	0.822
Q8BIP0	Dars2	0.009	0.056	0.571	-0.292	0.000	1.550	1.440	2.180
Q9Z1G3	Atp6v1c1	0.811	1.000	0.655	-0.150	0.000	0.660	-0.397	-0.062
P63085	Mapk1	0.087	0.224	0.263	0.000	-0.001	-0.072	-0.496	-0.204
Q6DID7	Wls	0.003	0.031	0.000	0.433	-0.720	2.130	2.080	2.410
A2A4P0	Dhx8	0.062	0.178	0.141	-0.124	0.000	-0.336	-1.520	-0.833
Q3TB48	Tmem104	0.184	0.373	0.520	-0.340	0.000	0.970	0.323	0.427
A3KMP2	Ttc38	0.005	0.039	-0.216	0.000	0.035	-1.560	-2.530	-1.630
Q60974	Ncor1	0.231	0.436	-0.323	0.025	0.000	-0.567	-1.790	-0.112
Q60855	Ripk1	0.652	0.929	0.790	0.000	-0.944	0.818	-1.660	-0.584
Q810V0	Mphosph10	0.560	0.829	0.000	-0.034	0.392	0.108	-0.121	0.077
P42128	Foxk1	0.148	0.318	-0.996	0.000	0.660	-1.930	-3.160	-0.337
P39688	Fyn	0.582	0.853	-0.633	0.103	0.000	-0.287	-0.529	-0.169
O88842	Fgd3	0.002	0.024	0.129	0.000	-0.012	-1.240	-1.930	-1.440
Q99LB2	Dhrs4	0.046	0.147	0.000	0.173	-0.424	1.020	0.369	0.601
Q8C5H8	Nadk2	0.914	1.000	0.228	0.000	-0.004	0.494	-0.258	-0.095
Q99JP7	Ggt7	0.000	0.008	-0.382	0.079	0.000	3.770	3.880	4.330
O54901	Cd200	0.061	0.176	0.000	-0.070	0.296	-0.290	-0.577	-0.177
Q8R0H9	Gga1	0.483	0.746	0.000	-0.245	1.100	0.656	-5.080	0.722
Q9CYD3	Crtap	0.001	0.019	0.000	1.040	-0.922	5.360	4.890	5.340
Q9DBU0	Tm9sf1	0.008	0.051	0.000	0.173	-0.179	0.623	0.620	0.936
A2A5R2	Arfgef2	0.338	0.577	0.091	0.000	-0.236	0.211	-0.703	-0.690
Q9DBB4	Naa16	0.660	0.936	0.000	1.260	-0.821	0.296	1.320	-0.120
Q8CJG1	Ago1	0.840	1.000	-0.612	1.730	0.000	0.802	1.310	-0.427
Q3TAA7	Stk11ip	0.010	0.061	0.014	-0.019	0.000	-0.701	-1.570	-1.160
Q61749	Eif2b4	0.245	0.456	0.000	0.607	-0.066	-0.100	-0.030	-1.620
Q9JJ80	Rpf2	0.464	0.722	0.000	2.000	-0.260	0.242	-1.260	0.554
Q6VN19	Ranbp10	0.266	0.485	0.000	-1.080	0.050	0.796	0.177	-0.191
Q64700	Rbl2	0.364	0.611	-0.325	0.595	0.000	-0.538	-0.970	0.337
Q64697	Ptpcap	0.230	0.434	-0.165	0.189	0.000	0.135	0.105	0.266
O88738	Birc6	0.391	0.640	0.401	0.000	-0.399	0.604	-1.420	-1.120
Q9QXK7	Cpsf3	0.058	0.171	-0.218	0.098	0.000	-0.222	-0.525	-0.385
O35975	Art2b	0.057	0.170	0.000	-0.256	0.901	-1.100	-1.580	-0.463
Q9R0Q7	Ptges3	0.026	0.105	-0.221	0.085	0.000	-2.030	-0.845	-1.090
O70496	Clcn7	0.194	0.386	0.493	-0.414	0.000	0.741	0.292	0.423
Q9CQE3	Mrps17	0.067	0.187	0.000	1.020	-0.199	0.968	1.420	1.540
Q8BPS4	Gpr180	0.028	0.107	0.000	-3.310	0.570	3.540	2.880	3.280
Q80TP3	Ubr5	0.617	0.891	0.000	-1.080	0.287	0.572	-1.580	2.050
Q9JKL4	Ndufaf3	0.124	0.284	0.000	-1.040	0.623	0.737	0.694	1.040
Q8BTY1	Kyat1	0.005	0.039	-0.231	0.533	0.000	-1.400	-2.010	-2.310
Q8VD04	Gripap1	0.146	0.315	0.000	0.152	-0.449	-0.246	-1.500	-0.746
Q8BHC4	Dcakd	0.017	0.081	0.466	0.000	-1.560	2.210	1.810	2.370
Q61553	Fscn1	0.003	0.030	0.000	-0.057	0.058	2.340	1.390	1.810
Q8VDI1	Epsti1	0.617	0.891	0.000	-3.110	0.484	-0.654	-2.470	-1.520

<b>Race</b>	<b>Sex</b>	<b>Age</b>
Black	Male	60
Caucasian	Male	61
Black	Male	66
Black	Female	59
Caucasian	Male	61
Black	Male	64
Black	Male	63
Black	Male	51
Black	Female	54
Black	Female	66

**Supplementary Table 12. Race, Sex and Age of Donors**



Q99MK8	Adrbk1	0.014	0.073	0.104	0.000	-0.048	-0.465	-1.150	-0.916
Q9D1I6	Mrpl14	0.431	0.687	0.279	0.000	-0.206	0.925	-0.016	0.044
Q8BM72	Hspa13	0.001	0.015	0.000	0.147	-0.238	1.210	1.070	1.230
Q8VE19	Mios	0.833	1.000	0.167	-1.300	0.000	-1.170	-0.653	0.273
Q8R4Z4	Etv3	0.143	0.309	-1.260	0.000	2.930	2.380	3.170	3.030
P97820	Map4k4	0.129	0.291	0.077	-0.561	0.000	1.420	0.039	0.619
P41216	Acsl1	0.926	1.000	0.000	0.371	-0.869	0.044	0.090	-0.768
Q5SF07	Igf2bp2	0.047	0.150	-0.112	3.740	0.000	5.410	4.380	4.900
Q8BUV3	Gphn	0.039	0.133	-0.540	0.113	0.000	-0.819	-1.730	-1.000
Q9DBS5	Klc4	0.089	0.227	0.147	-0.698	0.000	-0.502	-1.210	-1.180
Q9R020	Zranb2	0.054	0.164	0.490	-0.013	0.000	-0.266	-1.240	-0.669
P24638	Acp2	0.034	0.121	-0.034	0.054	0.000	0.460	0.246	0.763
Q9D0D5	Gtf2e1	0.030	0.112	0.202	-0.161	0.000	-0.852	-2.490	-1.470
P52503	Ndufs6	0.095	0.237	-0.325	0.000	0.739	0.967	0.626	1.040
Q99LS3	Psph	0.014	0.072	-0.560	0.141	0.000	-1.410	-2.990	-2.800
Q6A028	Swap70	0.926	1.000	0.163	-0.424	0.000	0.391	-0.367	-0.378
Q3UMF0	Cobl1	0.420	0.674	-1.450	0.298	0.000	-1.040	-1.100	-0.545
Q8R5F3	Oard1	0.041	0.138	0.000	-0.160	0.309	-0.415	-1.080	-1.560
Q6NTA4	Rragb	0.839	1.000	0.315	0.000	-0.024	0.559	-0.365	-0.095
Q80X95	Rraga	0.839	1.000	0.315	0.000	-0.024	0.559	-0.365	-0.095
Q8CFT2	Setd1b	0.197	0.391	0.000	0.729	-0.041	-0.218	-0.221	-2.330
Q9CQ56	Use1	0.012	0.069	-0.371	0.000	0.230	1.080	0.697	0.796
Q3U186	Rars2	0.906	1.000	0.398	-0.283	0.000	1.060	-0.833	-0.334
P62488	Polr2g	0.001	0.022	-0.119	0.000	0.092	-0.560	-0.762	-0.686
Q9WVM1	Racgap1	0.320	0.555	1.770	-0.913	0.000	2.990	0.689	0.859
Q61112	Sdf4	0.541	0.808	-0.105	0.540	0.000	0.492	-0.149	0.767
Q924M7	Mpi	0.117	0.273	-0.284	0.000	0.250	-0.620	-2.930	-0.916
Q8CAY6	Acat2	0.170	0.352	0.652	-0.172	0.000	-0.123	-0.377	-0.341
Q8R2T8	Gtf3c5	0.023	0.096	-0.196	0.161	0.000	-0.379	-0.708	-0.482
Q8K4P0	Wdr33	0.948	1.000	-1.110	0.000	0.822	-1.840	1.850	-0.538
Q9Z0U1	Tjp2	0.008	0.051	-0.391	0.328	0.000	-1.280	-2.290	-2.170
Q64516	Gk	0.095	0.238	0.000	-0.012	0.006	0.349	0.017	0.348
Q8K2F0	Brd3	0.367	0.614	0.328	-1.040	0.000	-0.693	-0.824	-0.484
Q9JHU9	Isyna1	0.002	0.029	0.000	0.098	-0.167	-1.140	-1.850	-1.610
Q9D1H7	Get4	0.857	1.000	0.078	-0.294	0.000	0.092	-0.419	0.000
Q9CYN9	Atp6ap2	0.094	0.236	0.000	0.055	-0.400	1.080	0.129	0.492
Q9WUV0	Orc5	0.343	0.582	0.199	0.000	-0.561	-0.287	-0.714	-0.241
O88712	Ctbp1	0.008	0.052	0.000	-0.306	0.027	-1.060	-1.940	-1.410
Q8VEK6	Ing3	0.841	1.000	-2.000	0.000	0.232	-0.688	-1.700	0.065
Q6Q783	Kmt5c	0.331	0.568	0.000	-0.746	0.263	-0.306	-0.727	-0.531
Q91W96	Anapc4	0.893	1.000	0.000	-0.318	0.245	0.275	-0.305	0.058
P56671	Maz	0.246	0.457	-1.300	0.426	0.000	0.187	0.273	1.070
Q6P1H6	Ankle2	0.334	0.571	0.000	-0.919	0.452	0.030	0.201	0.880
Q6A065	Cep170	0.998	1.000	0.069	-0.070	0.000	0.013	-0.627	0.616
Q3U5Q7	Cmpk2	0.171	0.354	0.545	0.000	-0.063	0.143	-0.649	-0.640
Q9R0A0	Pex14	0.500	0.765	-0.427	0.003	0.000	0.334	-1.500	-0.479
A6X919	Dpy191	0.008	0.055	-0.026	0.177	0.000	1.360	0.686	1.070
Q9R0Q9	Mpdu1	0.207	0.404	0.000	-0.009	0.020	0.421	-0.073	0.373
Q8BK08	Tmem11	0.001	0.019	-0.043	0.285	0.000	1.080	0.954	1.080
Q9WUH1	Tmem115	0.086	0.223	-0.017	0.000	0.140	0.458	0.247	1.020
Q8K400	Stxbp5	0.503	0.767	-2.540	0.000	1.020	-0.396	-2.860	-1.110
Q61122	Nab1	0.355	0.598	-0.983	0.000	0.250	-0.976	-1.240	-0.108
Q99JT2	Stk26	0.019	0.087	-0.010	0.035	0.000	-0.926	-2.380	-1.490
Q8R409	Hexim1	0.026	0.103	-0.301	0.000	0.002	-0.507	-0.763	-1.100
Q80ZV0	Rnaseh2b	0.816	1.000	2.290	0.000	-0.370	2.040	-0.713	-0.300
P55821	Stmn2	0.078	0.208	0.511	-0.166	0.000	-0.361	-2.580	-1.480
P54227	Stmn1	0.078	0.208	0.511	-0.166	0.000	-0.361	-2.580	-1.480
Q8BU30	Iars	0.239	0.448	0.356	0.000	-0.013	0.658	0.088	0.450
Q61510	Trim25	0.944	1.000	-0.760	2.540	0.000	0.403	-0.707	1.800

Q60649	Clpb	0.990	1.000	0.421	0.000	-0.108	0.340	-0.304	0.289
P23506	Pcmt1	0.001	0.022	-0.179	0.000	0.198	-0.923	-0.926	-0.835
Q3TC33	Ccdc127	0.031	0.114	-0.180	0.197	0.000	0.651	0.308	0.506
Q9CQI6	Cott1	0.000	0.011	0.009	-0.028	0.000	-1.450	-1.890	-1.690
Q8BFQ3	Gpr68	0.340	0.579	-0.551	0.216	0.000	-1.070	-1.480	0.309
P61514	Rpl37a	0.417	0.671	0.000	-0.469	0.078	0.438	-1.460	-0.984
P70362	Ufd1l	0.819	1.000	0.000	0.014	-1.410	-0.501	-0.022	-1.310
Q3UVL4	Vps51	0.208	0.404	0.208	-1.640	0.000	-0.988	-2.320	-1.320
Q6PAQ4	Rexo4	0.491	0.755	0.000	1.990	-4.510	0.958	0.732	0.192
Q8K3X4	Irf2bpl	0.277	0.498	0.000	-0.251	0.040	0.100	-0.645	-0.692
P81183	Ikzf2	0.043	0.141	-0.323	0.000	0.107	-0.403	-0.664	-0.474
Q921E2	Rab31	0.164	0.343	0.261	0.000	-0.128	1.650	0.002	0.999
P70122	Sbds	0.148	0.318	0.000	-0.375	0.036	-0.198	-0.845	-0.521
Q8BYK6	Ythdf3	0.400	0.650	-0.967	1.010	0.000	-0.910	-0.617	-0.155
Q8CFE4	Scyl2	0.940	1.000	0.208	0.000	-0.054	0.460	-0.112	-0.250
Q8BTT6	Diexf	0.150	0.320	0.268	-0.494	0.000	-0.240	-1.120	-0.670
A2AM29	Mlit3	0.347	0.587	-3.040	0.000	0.145	1.570	-0.014	-0.553
P97461	Rps5	0.392	0.641	0.431	0.000	-0.092	0.476	-0.557	-0.791
P59016	Vps33b	0.021	0.090	0.000	0.285	-0.108	-0.524	-1.370	-0.946
Q9CR26	Vta1	0.047	0.150	0.000	0.330	-0.281	-0.431	-0.914	-0.549
O54984	Asna1	0.442	0.698	0.075	0.000	-0.446	0.147	-0.143	0.099
Q8C827	Zfp62	0.293	0.520	-0.534	0.344	0.000	0.573	0.335	0.005
O88746	Tom1	0.080	0.212	0.000	0.397	-0.025	-0.094	-1.590	-1.260
Q78PG9	Ccdc25	0.908	1.000	-3.370	0.752	0.000	-0.726	-1.210	-1.150
P48453	Ppp3cb	0.034	0.122	-0.837	0.064	0.000	-2.010	-3.260	-1.390
Q9CY73	Mrpl44	0.009	0.057	0.000	0.358	-0.175	0.827	0.770	0.815
Q3UIA2	Arhgap17	0.173	0.356	0.521	-0.634	0.000	0.359	0.548	1.870
Q80U63	Mfn2	1.000	1.000	0.000	0.057	-0.064	-0.674	0.298	0.369
Q9CX00	Ist1	0.541	0.807	0.000	-0.229	0.048	0.269	-0.707	-0.339
Q6PDL0	Dync1li2	0.091	0.231	-1.050	0.729	0.000	1.510	0.945	0.902
Q6PCM2	Ints6	0.035	0.124	-0.670	0.000	0.128	-1.040	-1.070	-0.853
Q8VE96	Slc35f6	0.285	0.509	0.589	-0.450	0.000	0.607	-1.970	-1.740
Q8VDQ8	Sirt2	0.284	0.508	-0.577	0.764	0.000	-0.309	-2.220	-0.144
Q8VDM1	Zgpat	0.055	0.166	0.000	-0.755	0.028	-0.768	-1.080	-1.150
Q8BX09	Rbbp5	0.060	0.175	-0.133	0.000	0.042	-0.266	-0.743	-0.324
Q9D2C7	Tmbim6	0.209	0.406	-0.632	0.134	0.000	-0.118	0.420	0.780
Q8K2C8	Gpat4	0.002	0.023	0.456	0.000	-0.135	2.420	1.830	1.920
Q9DC71	Mrps15	0.711	0.987	-0.194	0.000	0.044	0.841	-0.657	0.193
Q3TCH7	Cul4a	0.019	0.085	0.019	-0.448	0.000	1.410	0.531	1.040
Q8R0K4	Ccdc137	0.576	0.846	-3.380	0.000	0.605	-0.132	-0.475	0.118
E9Q784	Zc3h13	0.413	0.665	0.000	-0.003	1.120	0.228	1.240	0.968
Q920A5	Scpep1	0.166	0.347	0.029	-0.044	0.000	0.724	-0.059	0.508
Q9CR59	Gadd45gip1	0.130	0.293	0.000	0.151	-0.194	0.895	0.031	0.578
Q64131	Runx3	0.617	0.891	0.000	2.480	-1.840	0.041	1.500	1.260
P70195	Psmb7	0.075	0.202	0.000	0.109	-0.848	-0.791	-1.820	-1.190
Q9WTL7	Lypla2	0.069	0.191	-0.604	1.470	0.000	-1.450	-2.490	-0.908
Q8BVU5	Nudt9	0.155	0.330	0.000	-0.351	0.224	0.896	2.140	0.089
O70378	Emc8	0.013	0.070	-0.015	0.398	0.000	1.360	0.752	1.150
Q8BVA5	Ldah	0.407	0.658	0.000	0.014	-0.054	0.285	-1.310	-0.310
P39428	Traf1	0.026	0.103	0.000	0.232	-0.135	-0.817	-1.800	-0.841
Q9ES74	Nek7	0.578	0.849	0.000	-0.083	0.235	0.231	-0.367	-0.069
P70428	Ext2	0.130	0.293	0.004	-4.570	0.000	1.530	1.060	1.580
Q8BFQ6	Dirc2	0.209	0.405	0.419	0.000	-0.130	0.891	0.085	0.610
Q2TPA8	Hsd1l2	0.861	1.000	0.190	-0.464	0.000	0.705	-0.463	-0.284
P48725	Pcnt	0.954	1.000	0.634	-3.730	0.000	0.667	-2.740	-1.330
Q8R344	Ccdc12	0.022	0.094	0.045	-0.401	0.000	-0.707	-1.280	-1.590
Q9Z172	Sumo3	0.504	0.768	0.000	0.965	-0.168	-0.170	-3.010	1.160
Q80ZD3	Slc26a11	0.066	0.185	-0.440	0.256	0.000	0.382	0.561	1.090
Q9WU28	Pfdn5	0.026	0.104	0.337	0.000	-0.011	-0.630	-0.847	-0.279

Q9CQE7	Ergic3	0.027	0.105	0.103	-0.420	0.000	0.997	0.398	0.714
P70269	Ctse	0.222	0.423	0.292	0.000	-0.683	-0.227	-1.010	-0.757
Q4QRL3	Ccdc88b	0.044	0.142	0.000	0.221	-0.969	-2.650	-4.350	-1.550
P18052	Ptpra	0.075	0.202	-0.163	0.203	0.000	0.660	0.156	0.735
Q8BIH0	Sap130	0.032	0.117	0.000	-0.146	1.120	1.420	1.820	1.790
Q99MU3	Adar	0.004	0.038	-0.077	0.000	0.110	-1.330	-1.330	-0.753
Q811M1	Arhgap15	0.024	0.097	0.063	-0.056	0.000	-0.320	-0.940	-0.689
Q14AX6	Cdk12	0.354	0.596	0.044	-0.085	0.000	0.080	-0.202	-0.290
Q3TC72	Fahd2	0.460	0.719	0.000	0.309	-0.221	0.143	0.026	0.366
Q921I2	Klhdc4	0.441	0.697	0.550	-0.537	0.000	1.260	-0.103	0.190
Q9D0I8	Mrto4	0.098	0.242	0.240	0.000	-0.243	-0.157	-0.805	-0.552
Q8CIC2	Nupl2	0.671	0.949	-1.300	0.382	0.000	-4.180	2.690	4.170
Q8C092	Taf5	0.864	1.000	-0.202	2.780	0.000	1.600	0.516	-0.136
P97492	Rgs14	0.001	0.019	-0.396	0.195	0.000	-2.050	-1.910	-1.620
Q9R1C6	Dgke	0.653	0.929	0.000	2.230	-1.630	0.861	0.474	0.905
Q61205	Pafah1b3	0.001	0.019	-0.071	0.230	0.000	-0.968	-1.320	-1.130
Q9D8S9	Bola1	0.460	0.719	0.000	-2.370	0.187	1.050	-0.214	-0.646
Q9R1S3	Pign	0.869	1.000	-2.550	0.000	5.880	-3.330	7.380	-3.010
Q9CR68	Uqcrfs1	0.007	0.048	0.000	0.074	-0.106	0.656	0.355	0.524
Q8C7Q4	Rbm4	0.306	0.538	-0.094	0.211	0.000	-0.147	-0.129	0.023
Q80TN4	Dnajc16	0.527	0.793	0.000	3.370	-3.120	0.741	1.600	1.870
Q8CJ40	Crocc	0.148	0.318	0.071	0.000	-0.008	0.321	0.014	0.498
Q9JY4	Ddx20	0.299	0.528	-0.178	0.000	0.117	0.198	-0.676	-0.663
Q9CQZ5	Ndufa6	0.233	0.438	0.000	0.678	-0.132	0.410	0.479	0.879
Q6PAR5	Gapvd1	0.538	0.806	0.400	0.000	-0.331	0.219	-0.246	-0.508
Q8CE46	Pus7l	0.019	0.087	0.615	-0.188	0.000	-0.920	-2.350	-2.310
Q922H4	Gmppa	0.029	0.112	0.060	-0.305	0.000	-0.535	-1.460	-1.280
Q64455	Ptprj	0.728	1.000	0.025	0.000	-1.110	-0.320	-0.571	-0.618
P63323	Rps12	0.343	0.582	-1.410	0.000	0.032	-1.460	-0.606	-1.040
Q9Z148	Ehmt2	0.654	0.930	-0.141	0.000	0.802	-0.151	-0.571	0.696
Q9JI78	Ngly1	0.004	0.037	-0.505	0.000	0.109	-1.300	-1.710	-1.850
Q99N89	Mrpl43	0.003	0.030	0.000	0.185	-0.319	1.180	0.974	1.330
O88879	Apaf1	0.004	0.033	0.100	-0.012	0.000	-0.683	-1.230	-1.050
P56382	Atp5e	0.000	0.013	0.000	0.115	-0.081	0.914	0.754	0.858
Q8BK58	Hspbap1	0.857	1.000	-0.469	0.577	0.000	1.280	-0.737	-0.052
P30355	Alox5ap	0.424	0.678	0.786	0.000	-0.301	1.160	0.291	0.218
P51829	Adcy7	0.555	0.824	-0.535	0.000	0.058	-0.200	-0.585	-0.144
P61294	Rab6b	0.031	0.116	-0.459	0.121	0.000	-1.130	-0.840	-0.616
Q9D4H8	Cul2	0.495	0.760	-1.430	1.200	0.000	0.568	-1.510	-1.640
Q8CES0	Naa30	0.115	0.270	-0.122	0.000	0.086	-0.325	-1.500	-0.472
Q9D659	Vsir	0.049	0.154	-0.084	0.110	0.000	-0.152	-0.651	-0.493
Q9Z129	Recql	0.224	0.426	0.000	-0.274	0.511	-0.249	-1.960	-0.223
P62274	Rps29	0.691	0.967	0.000	0.231	-0.784	-0.246	-0.324	-0.381
Q91YJ3	Thyn1	0.253	0.466	0.000	-0.137	0.320	-0.121	-0.330	-0.020
Q61508	Ecm1	0.050	0.155	0.000	0.399	-0.581	0.993	0.600	0.775
Q3UHD6	Snx27	0.771	1.000	-0.204	0.000	0.423	-1.050	-0.625	1.220
Q9JKN1	Slc30a7	0.061	0.176	0.000	0.548	-0.468	1.350	0.531	1.200
P47930	Fosl2	0.051	0.158	-0.388	0.000	0.238	0.409	0.428	0.671
Q9WV84	Nme4	0.027	0.105	1.300	-1.640	0.000	3.340	2.630	2.720
B1AVZ0	Uppt	0.350	0.591	0.000	-0.111	0.166	0.131	-0.627	-0.192
Q00422	Gabpa	0.266	0.485	-0.698	0.165	0.000	-0.673	-0.617	-0.342
Q9CWN7	Cnot11	0.150	0.320	0.000	-0.054	0.281	0.098	-2.610	-1.490
Q9D1P2	Kat8	0.635	0.912	0.000	1.430	-0.154	0.253	-0.149	0.359
Q9DAK9	Phpt1	0.001	0.014	-0.073	0.450	0.000	-2.300	-2.910	-3.060
Q8BYC6	Taok3	0.583	0.855	0.000	0.347	-0.177	0.237	-0.245	-0.214
Q9CTH6	Fcf1	0.015	0.076	0.162	-0.174	0.000	-0.675	-0.546	-0.377
Q9CCK9	Rbm33	0.775	1.000	0.000	-0.130	1.580	0.673	0.060	1.320
Q9D1B9	Mrpl28	0.304	0.534	0.000	0.671	-1.410	0.836	0.095	0.635
P57787	Slc16a3	0.600	0.873	0.578	0.000	-3.850	-0.543	0.643	-0.876

Q91W86	Vps11	0.178	0.364	0.000	0.651	-0.315	-0.712	-0.050	-0.625
O70469	Dok2	0.058	0.172	-0.026	0.000	0.092	-0.602	-1.430	-2.690
Q61179	Irf9	0.154	0.327	0.021	-0.204	0.000	-0.140	-1.020	-0.437
Q80U87	Usp8	0.729	1.000	0.000	-0.253	0.161	0.513	-0.883	-0.191
Q9CWP6	Mospd2	0.067	0.187	-1.080	0.277	0.000	1.090	0.599	2.170
Q6ZWM4	Lsm8	0.003	0.032	-0.155	0.000	0.168	-0.915	-1.470	-1.420
Q9CQZ0	Ormdl2	0.062	0.179	0.000	0.413	-0.174	1.130	0.665	0.468
O54988	Slk	0.686	0.963	-0.072	0.488	0.000	-0.441	0.770	0.635
Q8BGQ1	Vipas39	0.027	0.107	0.014	-0.411	0.000	-1.310	-1.870	-0.768
Q60692	Psmb6	0.528	0.795	0.114	0.000	-0.437	-0.196	-0.763	0.035
Q3UXZ9	Kdm5a	0.036	0.126	-1.040	0.237	0.000	-1.650	-3.230	-1.830
Q922R5	Ppp4r3b	0.120	0.276	-0.578	0.000	0.820	-0.544	-3.400	-1.380
Q8R4E9	Cdt1	0.525	0.791	-0.052	0.000	1.510	0.633	0.311	-0.962
Q8BIG7	Comtd1	0.937	1.000	0.000	0.166	-0.276	0.673	-0.609	-0.276
P28843	Dpp4	0.067	0.186	-0.165	0.000	0.192	-0.310	-0.587	-0.216
Q8K2D3	Edc3	0.186	0.376	0.000	0.370	-0.732	-0.284	-2.170	-0.966
Q5IRJ6	Slc30a9	0.003	0.030	0.000	0.577	-0.728	2.360	2.540	2.810
Q9CXY9	Pigk	0.948	1.000	0.000	0.302	-1.030	1.300	-1.050	-0.800
Q8QZY6	Tspan14	0.105	0.252	0.000	0.194	-0.577	-0.743	-0.701	-0.480
Q9D2D7	Znf687	0.027	0.107	-0.869	0.000	0.043	-1.140	-1.420	-1.520
Q32NY4	Cnm3	0.062	0.179	0.143	0.000	-0.041	0.185	0.199	0.396
Q63810	Ppp3r1	0.027	0.106	0.029	0.000	-0.303	-0.823	-0.787	-1.610
Q9DB40	Med27	0.112	0.265	-0.150	0.455	0.000	0.392	0.886	0.476
Q8R480	Nup85	0.020	0.089	0.000	-0.337	0.052	-0.995	-2.360	-1.570
Q8K339	Kin	0.040	0.134	0.000	0.000	0.258	-0.190	-0.860	-0.618
Q8BJW5	Nol11	0.203	0.399	0.000	0.243	-0.456	-0.152	-1.030	-0.521
Q9CVD2	Atxn3	0.128	0.290	0.000	2.050	-1.220	-2.050	-2.400	-0.837
P12399	Ctla2a	0.017	0.081	0.000	0.559	-1.130	-2.010	-3.210	-2.490
Q924D0	Rtn4ip1	0.540	0.807	0.000	0.155	-0.927	0.162	-2.980	-0.090
P15535	B4galt1	0.213	0.410	-0.367	0.178	0.000	0.336	0.153	0.102
Q8CBC4	Cnst	0.009	0.057	-0.306	0.000	0.270	-0.789	-1.300	-1.290
Q8VDY9	Caap1	0.372	0.621	-0.225	0.000	0.447	-0.044	-0.844	0.064
Q8R2Q8	Bst2	0.003	0.033	0.189	-0.754	0.000	2.100	1.580	1.960
Q5U3K5	Rabl6	0.406	0.658	1.260	-2.210	0.000	1.200	-3.130	-4.630
Q8BZ98	Dnm3	0.116	0.271	0.100	0.000	-0.235	0.384	0.055	0.252
Q9D023	Mpc2	0.034	0.121	0.000	0.091	-0.908	0.954	0.558	0.976
O70493	Snx12	0.150	0.321	-0.260	0.065	0.000	-0.143	-0.807	-0.403
Q9DBY1	Syvn1	0.020	0.087	0.000	0.682	-0.142	1.310	1.110	1.100
Q5H8C4	Vps13a	0.282	0.505	-0.287	3.230	0.000	-3.080	-0.289	0.484
Q99KX1	Mlf2	0.315	0.549	0.000	-0.307	0.193	-0.085	-0.336	-0.256
Q60596	Xrcc1	0.290	0.517	0.023	-0.284	0.000	0.104	-0.792	-0.651
P59481	Lman2l	0.552	0.821	0.000	0.129	-0.521	0.946	-8.880	1.110
P97789	Xrn1	0.074	0.201	0.000	-0.143	0.334	-0.210	-0.476	-0.909
Q99K01	Pdxdc1	0.918	1.000	0.000	-0.172	0.089	1.040	-0.335	-0.985
Q8CIG3	Kdm1b	0.705	0.982	0.120	-1.320	0.000	-1.960	-1.000	0.665
Q9CZT6	Cmss1	0.064	0.183	0.000	-1.570	0.227	-1.610	-2.350	-1.960
Q99KK1	Reep3	0.256	0.470	0.000	-2.660	0.078	0.631	0.147	0.263
Q6P5G6	Ubxn7	0.109	0.260	0.000	1.210	-0.071	-1.190	-0.345	-0.395
Q8K2Y7	Mrpl47	0.048	0.152	0.000	0.273	-0.157	1.070	0.895	0.325
Q9CPQ1	Cox6c	0.008	0.052	0.000	0.148	-0.102	0.358	0.542	0.504
O54833	Csnk2a2	0.725	1.000	0.164	-0.263	0.000	0.721	-0.602	-0.770
Q9CRG1	Tm7sf3	0.667	0.945	0.418	-0.002	0.000	0.609	-0.354	-0.319
Q9CQA5	Med4	0.999	1.000	0.000	-2.040	1.460	0.168	-1.730	0.990
Q60676	Ppp5c	0.129	0.291	0.000	-1.090	0.502	-0.225	-4.320	-4.210
P62743	Ap2s1	0.350	0.592	0.421	-1.680	0.000	0.710	0.072	0.099
Q99N85	Mrps18a	0.010	0.060	0.176	-0.091	0.000	0.951	0.506	0.708
Q9CR11	Yeats4	0.614	0.888	0.000	2.770	-1.020	-0.268	1.670	2.690
Q9D8X2	Ccdc124	0.201	0.397	0.000	-0.531	0.050	-0.129	-1.780	-0.916
Q9D832	Dnajb4	0.901	1.000	0.150	0.000	-0.565	0.480	-0.352	-0.401

A2A8Z1	Osbp19	0.215	0.412	0.344	0.000	-0.424	0.033	-0.872	-0.935
P14069	S100a6	0.187	0.376	-0.046	0.238	0.000	-0.128	-0.390	0.011
O55100	Syng1	0.000	0.013	0.248	-0.546	0.000	4.430	3.640	4.470
Q6PB44	Ptpn23	0.645	0.922	0.000	0.015	-0.813	0.790	-0.854	0.086
P63030	Mpc1	0.002	0.028	0.158	-0.024	0.000	1.540	0.979	1.210
Q921N7	Tmem70	0.029	0.111	-0.295	3.890	0.000	5.300	5.780	6.340
Q9D920	Borcs5	0.162	0.340	0.264	-0.348	0.000	-0.244	-0.500	-0.331
Q9CRA4	Msmo1	0.001	0.019	0.000	-1.340	0.329	4.080	4.320	4.870
P97346	Nxn	0.333	0.570	0.333	0.000	-1.090	-2.170	0.304	-1.790
Q91VX2	Ubap2	0.246	0.457	0.280	-0.451	0.000	0.798	-0.235	1.300
Q9R0Q6	Arpc1a	0.701	0.977	0.000	0.404	-0.663	-0.086	-0.302	-0.265
Q9CYK1	Wars2	0.461	0.720	-0.361	0.518	0.000	0.617	-0.291	0.913
Q7TMQ7	Wdr91	0.770	1.000	0.000	0.261	-0.766	-0.437	-1.500	0.756
Q6DFX2	Antxr2	0.938	1.000	0.081	-4.330	0.000	0.051	-0.084	-3.740
Q6PCN7	Hltf	0.161	0.339	-0.167	0.000	0.167	-0.166	-2.240	-0.792
Q99LI8	Hgs	0.616	0.891	0.000	-3.760	1.220	0.693	-0.749	0.054
O70456	Sfn	0.035	0.123	0.000	-0.144	0.061	-0.606	-2.040	-1.400
Q6NVF4	Helb	0.030	0.113	0.000	0.432	-0.446	-3.290	-2.260	-1.130
Q61586	Gpam	0.000	0.012	0.000	-0.259	0.263	2.000	1.940	2.100
Q8VC70	Rbms2	0.050	0.155	0.875	-3.560	0.000	4.120	2.420	2.850
Q8VDV8	Mitd1	0.674	0.950	0.863	0.000	-0.130	-0.222	0.264	0.219
A2BDX3	Mocs3	0.016	0.079	-0.131	0.015	0.000	-0.574	-0.554	-0.274
P63073	Eif4e	0.110	0.261	0.056	0.000	-0.079	-0.067	-0.746	-0.443
Q8BYL4	Yars2	0.539	0.807	0.319	-1.240	0.000	0.125	-1.890	-0.671
Q9JHI9	Slc40a1	0.774	1.000	1.360	-0.984	0.000	1.010	-0.349	0.438
P41233	Abca1	0.053	0.162	2.580	-1.450	0.000	3.720	3.300	3.800
Q8C052	Map1s	0.324	0.559	1.440	0.000	-0.235	-2.860	0.557	-0.363
Q80TA6	Mtmr12	0.017	0.081	-0.216	0.000	0.039	-0.710	-1.700	-1.270
Q920L1	Fads1	0.002	0.022	0.753	0.000	-1.200	4.390	4.140	4.320
Q6NZQ4	Paxip1	0.002	0.024	-0.702	0.000	0.105	-2.740	-2.460	-2.170
Q9D786	Haus5	0.097	0.240	-0.007	0.000	0.031	-0.178	-1.330	-0.640
A2AGH6	Med12	0.669	0.947	-0.883	0.364	0.000	-0.436	-0.859	0.129
Q8VDG5	Ppcs	0.001	0.015	0.000	-0.088	0.459	-1.780	-2.250	-2.160
Q8BX17	Gemin5	0.136	0.300	0.000	-0.197	0.340	-0.034	-0.557	-0.653
Q60949	Tbc1d1	0.929	1.000	-2.370	0.000	0.522	-0.861	0.527	-1.210
P34152	Ptk2	0.297	0.524	0.207	0.000	-0.153	0.088	-0.575	-0.244
Q8VCH6	Dhcr24	0.003	0.030	-1.970	0.475	0.000	4.270	4.540	4.840
Q3UFY7	Nt5c3b	0.132	0.296	1.580	0.000	-1.680	2.400	1.420	1.670
P36536	Sar1a	0.972	1.000	0.038	-1.740	0.000	-0.594	-0.758	-0.420
O70433	Fhl2	0.300	0.529	0.301	-2.800	0.000	1.230	-0.207	0.303
P47811	Mapk14	0.232	0.436	0.000	0.568	-0.624	-3.770	-0.803	-0.291
Q9ERI6	Rdh14	0.189	0.379	0.000	0.132	-0.126	-0.072	-0.191	-0.680
O88561	Slc27a3	0.002	0.025	0.000	1.250	-0.059	3.450	3.940	4.190
Q8C1E7	Tmem120a	0.021	0.090	0.000	1.190	-0.322	3.090	2.270	1.920
P97765	Wbp2	0.002	0.024	-0.004	0.131	0.000	-1.010	-1.590	-1.550
Q3U0M1	Trappc9	0.817	1.000	-0.454	0.109	0.000	-0.300	-0.560	0.289
Q8R313	Exoc6	0.164	0.343	0.374	0.000	-0.064	-5.790	-1.000	-1.050
A6X8Z5	Arhgap31	0.879	1.000	1.430	-1.790	0.000	0.384	-2.660	2.810
Q9D6U8	Fam162a	0.000	0.013	-0.044	0.195	0.000	1.030	0.901	0.963
Q8K3C3	Lzic	0.143	0.310	0.371	-1.190	0.000	-0.852	-1.480	-1.240
Q9D125	Mrps25	0.125	0.285	5.570	-3.410	0.000	6.160	5.650	5.610
Q9R049	Amfr	0.388	0.636	-0.100	0.870	0.000	0.513	0.788	0.419
Q9DB34	Chmp2a	0.798	1.000	0.119	-0.014	0.000	0.221	-0.174	0.165
Q5U4C3	Scaf1	0.618	0.892	0.000	-0.994	0.360	0.667	-1.780	-0.847
Q8BKX6	Smg1	0.474	0.733	0.353	-1.190	0.000	-0.243	-1.940	-0.363
P49586	Pcyt1a	0.554	0.822	0.423	0.000	-0.798	0.117	-0.722	-0.634
Q9DC29	Abcb6	0.117	0.272	0.022	-0.201	0.000	-0.174	-0.821	-0.399
O54998	Fkbp7	0.022	0.095	-0.509	2.610	0.000	4.180	3.980	4.750
Q8VDZ4	Zdhhc5	0.251	0.463	0.000	-0.624	1.340	0.439	1.390	1.660

Q61037	Tsc2	0.494	0.759	-0.314	0.000	0.272	0.238	-0.069	0.232
Q9CZ57	Nsun4	0.430	0.686	0.129	-1.190	0.000	0.559	-0.895	1.310
P62309	Snrpg	0.091	0.232	0.000	0.621	-0.692	-0.743	-1.190	-0.818
Q80U70	Suz12	0.113	0.266	0.000	0.065	-0.310	-0.990	-2.960	-0.684
O35344	Kpna3	0.032	0.118	0.000	0.111	-0.203	-0.415	-1.000	-0.587
Q9DAT5	Trmu	0.965	1.000	0.330	-0.121	0.000	0.746	-0.391	-0.095
O88811	Stam2	0.844	1.000	0.793	-0.066	0.000	-2.650	4.530	0.183
P52623	Uck1	0.106	0.254	0.000	-0.181	0.131	-0.078	-0.618	-0.720
Q60575	Kif1b	0.549	0.817	0.000	0.476	-0.013	1.190	-2.150	-0.500
Q8BZQ7	Anapc2	0.858	1.000	0.000	0.388	-1.980	1.800	-1.690	-2.560
P26011	Itgb7	0.206	0.403	-0.370	1.190	0.000	-0.580	-0.272	-0.497
B2RX14	Zcchc11	0.288	0.513	0.813	-0.294	0.000	0.265	-2.670	-0.521
O35130	Emg1	0.066	0.186	0.220	-0.200	0.000	-0.494	-2.150	-1.090
Q8CD26	Slc35e1	0.070	0.193	1.180	-0.035	0.000	2.010	1.630	1.070
Q69ZC8	Gpalpp1	0.047	0.150	-0.158	1.170	0.000	3.410	1.640	1.870
Q9JM13	Rabgef1	0.270	0.489	0.000	0.936	-0.963	0.109	-2.890	-1.190
Q5SS80	Dhrs13	0.001	0.019	-0.233	0.000	0.067	1.520	1.110	1.520
Q3UE37	Ube2z	0.134	0.298	0.000	-0.126	0.232	0.110	-2.060	-2.380
Q7TN58	Tmc8	0.075	0.202	-0.585	0.000	0.174	-1.240	-1.290	-0.445
Q8BLR5	Psd4	0.060	0.175	0.000	-0.228	0.469	-1.850	-2.990	-0.583
Q3UL36	Arglu1	0.210	0.407	0.098	-0.107	0.000	0.196	-0.943	-1.200
P34884	Mif	0.193	0.385	-0.437	0.000	0.174	-0.562	-4.920	-1.210
Q8VC65	Nrm	0.086	0.222	0.000	0.145	-0.254	0.254	0.325	0.165
Q03141	Mark3	0.872	1.000	0.347	0.000	-0.830	0.273	-0.380	-0.172
Q3TWF6	Wdr70	0.840	1.000	0.000	2.870	-1.380	0.191	1.450	-1.090
Q99NH0	Ankrd17	0.978	1.000	0.000	-0.078	0.040	0.641	-0.560	-0.088
Q9D1R1	Tmem126b	0.441	0.698	0.146	-0.371	0.000	-0.573	0.779	0.798
Q99LI9	Clp1	0.049	0.154	0.000	-0.466	0.106	-0.628	-0.539	-0.741
Q8BK12	Tnrc6b	0.181	0.368	0.385	-0.531	0.000	-0.390	-0.386	-0.939
O35216	Cenpa	0.114	0.268	0.001	-0.082	0.000	-0.253	-0.531	-0.092
Q6PIJ4	Nfrkb	0.972	1.000	-1.190	0.727	0.000	0.003	-0.075	-0.451
Q3U487	Hectd3	0.509	0.773	-0.887	0.876	0.000	0.088	-1.320	-0.223
P59178	L3mbtl2	0.800	1.000	0.000	0.358	-1.860	0.594	-0.726	-2.230
A6H630	Armt1	0.012	0.067	0.101	-0.391	0.000	-1.820	-4.060	-3.390
P83887	Tubg1	0.204	0.400	-0.306	0.000	0.031	-0.359	-0.367	-0.142
Q7TPN9	Prr14	0.091	0.231	-0.071	0.000	0.554	-0.152	-0.582	-0.336
Q6ZQE4	Nemp1	0.975	1.000	0.000	-0.209	0.239	0.125	-0.173	0.093
Q9QYR6	Map1a	0.277	0.498	-1.020	0.047	0.000	-0.594	-0.990	-0.769
Q8K296	Mttr3	0.128	0.290	0.000	0.462	-0.686	-0.643	-0.845	-0.685
Q68FE8	Znf280d	0.869	1.000	0.000	-3.330	0.418	-1.590	-1.570	-0.412
Q3TQB2	Foxred1	0.796	1.000	-0.086	0.930	0.000	0.212	0.095	0.873
Q9WU62	Incenp	0.140	0.306	0.524	0.000	-0.282	-0.029	-0.934	-0.856
Q9CQ91	Ndufa3	0.595	0.868	-0.286	0.062	0.000	0.320	-0.326	0.166
Q8CIG8	Prmt5	0.035	0.124	0.000	0.259	-0.546	-0.723	-1.530	-1.800
P30677	Gna14	0.352	0.593	0.000	2.050	-0.325	3.440	0.286	1.720
Q8C5P5	Nt5dc1	0.002	0.025	-0.291	0.000	0.247	-1.180	-1.430	-1.520
P30285	Cdk4	0.927	1.000	-1.000	0.000	0.348	0.457	-0.400	-0.875
Q99JW2	Acy1	0.219	0.418	-1.060	3.310	0.000	-0.115	-1.590	-2.610
Q9CS42	Prps2	0.013	0.070	0.016	-0.356	0.000	-0.738	-1.420	-1.340
P23772	Gata3	0.502	0.767	-6.200	0.000	0.195	-0.520	-0.462	-0.382
Q8BGR9	Ublcp1	0.647	0.923	0.155	-1.020	0.000	-0.287	-0.813	-0.360
Q9EQG9	Col4a3bp	0.061	0.177	0.743	0.000	-0.010	-0.270	-1.100	-0.586
Q99KW3	Triobp	0.447	0.704	1.350	0.000	-0.569	1.560	0.174	0.802
P49446	Ptpre	0.361	0.607	0.248	0.000	-0.421	0.026	-0.348	-0.818
P81069	Gabpb2	0.101	0.247	-0.582	0.000	0.001	-0.633	-0.904	-0.497
Q9CPR8	Nsmce3	0.214	0.411	0.219	-0.997	0.000	-0.521	-1.170	-0.944
Q99N95	Mrpl3	0.067	0.187	0.000	0.558	-0.395	1.000	0.576	0.857
Q9R1C0	Taf7	0.309	0.542	0.000	0.218	-0.124	-0.012	-0.048	-0.424
Q9QZS3	Numb	0.846	1.000	0.000	-2.960	1.490	-1.000	-0.066	0.457

Q9JIB4	Gtf2h2	0.243	0.453	0.000	-0.382	0.134	-0.180	-1.860	-0.442
Q9DB10	Smdt1	0.087	0.224	-0.402	0.296	0.000	0.541	0.458	0.326
A2A6Q5	Cdc27	0.004	0.038	0.037	0.000	-0.024	1.120	0.633	0.785
Q8CG50	Rab43	0.799	1.000	-3.230	0.000	0.170	0.428	-0.190	-4.960
O88796	Rpp30	0.185	0.374	0.000	0.657	-0.507	1.050	0.269	0.787

**Supplementary Table 2.** T cell exhaustion associated proteins detected in CD4+ T cells from old mice with or without mito-transfer. CD4+ T cells from young and old mice, and from old mice after mito-transfer were cultured for 4 h before processing for mass spectrometry analysis. Data expressed as median protein Log2 fold change of CD4+ T cells from old mice, from 3 individual old mice (paired experiment).

GO	Category	Description	Count	%	Log10(P)	Log10(q)
GO:0045333	GO BP	cellular respiration	37	12.71	-31.24	-26.97
mmu04141	KEGG	Protein processing in endoplasmic reticulum - Mus musculus (house mouse)	29	9.97	-22.64	-19.77
mmu00100	KEGG	Steroid biosynthesis - Mus musculus (house mouse)	9	3.09	-11.64	-9.19
R-MMU-1592230	Reactome	Mitochondrial biogenesis	9	3.09	-10.23	-7.82
GO:0006637	GO BP	acyl-CoA metabolic process	13	4.47	-9.97	-7.57
GO:0061024	GO BP	membrane organization	34	11.68	-9.92	-7.53
GO:0006457	GO BP	protein folding	17	5.84	-9.74	-7.36
GO:0043603	GO BP	amide metabolic process	35	12.03	-8.81	-6.49
GO:0090150	GO BP	establishment of protein localization to membrane	18	6.19	-8.81	-6.49
mmu01200	KEGG	Carbon metabolism - Mus musculus (house mouse)	13	4.47	-7.9	-5.62
GO:0018126	GO BP	protein hydroxylation	7	2.41	-7.1	-4.84
WP662	WikiPathway	Amino acid metabolism	11	3.78	-7.06	-4.81
CORUM:413	CORUM	(ER)-localized multiprotein complex, Ig heavy chains associated	5	1.72	-6.95	-4.7
GO:0007007	GO BP	inner mitochondrial membrane organization	7	2.41	-6.66	-4.44
GO:0098660	GO BP	inorganic ion transmembrane transport	26	8.93	-6.59	-4.37
GO:0034976	GO BP	response to endoplasmic reticulum stress	15	5.15	-6.12	-3.96
R-MMU-8949664	Reactome	Processing of SMDT1	5	1.72	-5.74	-3.6
GO:0031647	GO BP	regulation of protein stability	17	5.84	-5.7	-3.57
GO:0006851	GO BP	mitochondrial calcium ion transmembrane transport	5	1.72	-5.59	-3.48
GO:1902930	GO BP	regulation of alcohol biosynthetic process	7	2.41	-5.11	-3.03

**Supplementary Table 3.** The Top 20 processes of significantly upregulated DEPs in CD4+ T cells from old mice, with or without mito-transfer in relation to T Cell exhaustion. Data generated through Pathway & Process Enrichment (PPE) analysis using the Metascape analysis platform.



<b>GO</b>	<b>Description</b>	<b>Log10(P)</b>
GO:0045333	cellular respiration	-33.8
R-MMU-1428517	The citric acid (TCA) cycle and respiratory electron transport	-33.3
GO:0009060	aerobic respiration	-32.8

**Supplementary Table 4.** The Top 3 Protein-Protein Interaction (PPI) networks in CD4+ T cells from old mice, with or without mito-transfer, in relation to T Cell exhaustion. Data generated using the Metascape analysis platform.

MCODE	GO	Description	Log10(P)
MCODE_1	R-MMU-163200	Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins.	-48.1
MCODE_1	mmu00190	Oxidative phosphorylation - Mus musculus (house mouse)	-46.8
MCODE_1	WP295	Electron transport chain	-46.8
MCODE_2	GO:0032543	mitochondrial translation	-22.7
MCODE_2	R-MMU-5389840	Mitochondrial translation elongation	-21.6
MCODE_2	R-MMU-5419276	Mitochondrial translation termination	-21.4
MCODE_3	mmu04141	Protein processing in endoplasmic reticulum - Mus musculus (house mouse)	-21
MCODE_3	mmu00513	Various types of N-glycan biosynthesis - Mus musculus (house mouse)	-17
MCODE_3	GO:0018279	protein N-linked glycosylation via asparagine	-16.5
MCODE_4	GO:0071681	cellular response to indole-3-methanol	-9.1
MCODE_4	GO:0071680	response to indole-3-methanol	-9.1
MCODE_4	mmu05200	Pathways in cancer - Mus musculus (house mouse)	-9.1
MCODE_5	GO:0030036	actin cytoskeleton organization	-4.6
MCODE_5	GO:0030029	actin filament-based process	-4.4
MCODE_5	mmu04510	Focal adhesion - Mus musculus (house mouse)	-4.3
MCODE_6	mmu00280	Valine, leucine and isoleucine degradation - Mus musculus (house mouse)	-8.8
MCODE_7	mmu04141	Protein processing in endoplasmic reticulum - Mus musculus (house mouse)	-12.6
MCODE_7	GO:0006457	protein folding	-7.2
MCODE_7	GO:0034976	response to endoplasmic reticulum stress	-6.7
MCODE_8	mmu00100	Steroid biosynthesis - Mus musculus (house mouse)	-18.5
MCODE_8	R-MMU-191273	Cholesterol biosynthesis	-17.5
MCODE_8	GO:1902653	secondary alcohol biosynthetic process	-16.4
MCODE_9	GO:0009060	aerobic respiration	-10.7
MCODE_9	R-MMU-1428517	The citric acid (TCA) cycle and respiratory electron transport	-10.6
MCODE_9	GO:0009152	purine ribonucleotide biosynthetic process	-10.5
MCODE_10	mmu04141	Protein processing in endoplasmic reticulum - Mus musculus (house mouse)	-5.7
MCODE_11	WP103	Cholesterol biosynthesis	-8.9
MCODE_11	mmu00100	Steroid biosynthesis - Mus musculus (house mouse)	-8.5
MCODE_11	R-MMU-191273	Cholesterol biosynthesis	-8.1
MCODE_12	R-MMU-1650814	Collagen biosynthesis and modifying enzymes	-7.7
MCODE_12	mmu00310	Lysine degradation - Mus musculus (house mouse)	-7.6
MCODE_12	R-MMU-1474290	Collagen formation	-7.4
MCODE_13	GO:0010817	regulation of hormone levels	-4.6
MCODE_13	GO:0014070	response to organic cyclic compound	-4.3
MCODE_14	GO:0006457	protein folding	-6.3
MCODE_14	GO:0051604	protein maturation	-5

**Supplementary Table 5.** The MCODE networks identified for significantly upregulated DEPs in CD4+ T cells from old mice, with or without mito-transfer, in relation to T Cell exhaustion. Data generated using the Metascape analysis platform.

GO	Category	Description	Count	%	Log10(P)	Log10(q)
R-MMU-8953854	Reactome	Metabolism of RNA	55	19.57	-29.98	-25.71
R-MMU-450531	Reactome	Regulation of mRNA stability by proteins that bind AU-rich elements	23	8.19	-23.34	-19.38
mmu00010	KEGG	Glycolysis / Gluconeogenesis - Mus musculus (house mouse)	11	3.91	-8.91	-6.72
R-MMU-6798695	Reactome	Neutrophil degranulation	27	9.61	-8.71	-6.53
GO:0030029	GO BP	actin filament-based process	28	9.96	-8.37	-6.2
GO:0034655	GO BP	nucleobase-containing compound catabolic process	18	6.41	-7.59	-5.44
mmu00270	KEGG	Cysteine and methionine metabolism - Mus musculus (house mouse)	9	3.2	-7.38	-5.24
GO:0050684	GO BP	regulation of mRNA processing	13	4.63	-7.35	-5.22
GO:0098761	GO BP	cellular response to interleukin-7	6	2.14	-7.25	-5.13
WP572	WikiPathway	EGFR1 signaling pathway	14	4.98	-7.01	-4.92
R-MMU-194315	Reactome	Signaling by Rho GTPases	25	8.9	-6.68	-4.6
GO:0010563	GO BP	negative regulation of phosphorus metabolic process	21	7.47	-6.47	-4.4
GO:0052548	GO BP	regulation of endopeptidase activity	19	6.76	-6.41	-4.34
GO:0044283	GO BP	small molecule biosynthetic process	20	7.12	-5.57	-3.56
GO:0031123	GO BP	RNA 3'-end processing	9	3.2	-5.51	-3.51
WP2185	WikiPathway	Purine metabolism	12	4.27	-5.47	-3.47
WP387	WikiPathway	IL-6 signaling pathway	9	3.2	-5.16	-3.19
R-MMU-109606	Reactome	Intrinsic Pathway for Apoptosis	6	2.14	-5	-3.04
GO:0071364	GO BP	cellular response to epidermal growth factor stimulus	6	2.14	-5	-3.04
GO:0022613	GO BP	ribonucleoprotein complex biogenesis	18	6.41	-4.75	-2.82

**Supplementary Table 6.** The Top 20 processes of significantly downregulated DEPs in CD4+ T cells from old mice, with or without mito-transfer, in relation to T Cell exhaustion. Data generated through Pathway & Process Enrichment (PPE) analysis using the Metascape analysis platform.

GO	Description	Log10(P)
R-MMU-8953854	Metabolism of RNA	-30.6
R-MMU-450531	Regulation of mRNA stability by proteins that bind AU-rich elements	-24.5
R-MMU-1236978	Cross-presentation of soluble exogenous antigens (endosomes)	-22

**Supplementary Table 7.** The Top 3 Protein-Protein Interaction (PPI) networks of significantly downregulated DEPs in CD4+ T cells from old mice, with or without mito-transfer, in relation to T Cell exhaustion. Data generated using the Metascape analysis platform.

MCODE	GO	Description	Log10(P)
MCODE_1	R-MMU-1169091	Activation of NF-kappaB in B cells	-47
MCODE_1	R-MMU-1234176	hydroxylation of Hypoxia-inducible Factor Alpha	-46.5
MCODE_1	R-MMU-1234174	Cellular response to hypoxia	-46
MCODE_2	mmu00010	Glycolysis / Gluconeogenesis - Mus musculus (house mouse)	-13.4
MCODE_2	WP157	Glycolysis and gluconeogenesis	-9.5
MCODE_2	GO:0006007	glucose catabolic process	-8.5
MCODE_3	R-MMU-75035	Chk1/Chk2(Cds1) mediated inactivation of Cyclin B:Cdk1 complex	-10
MCODE_3	R-MMU-111447	mitochondria	-10
MCODE_3	R-MMU-114452	Activation of BH3-only proteins	-9.2
MCODE_4	mmu03040	mouse)	-17
MCODE_4	R-MMU-72163	mRNA Splicing - Major Pathway	-16.7
MCODE_4	R-MMU-72172	mRNA Splicing	-16.6
MCODE_5	GO:1902115	regulation of organelle assembly	-3.7
MCODE_5	GO:0032535	regulation of cellular component size	-3
MCODE_5	GO:0043254	complex assembly	-2.9
MCODE_6	GO:0016051	carbohydrate biosynthetic process	-4.6
MCODE_6	GO:0006006	glucose metabolic process	-4.5
MCODE_6	GO:0019318	hexose metabolic process	-4.2
MCODE_7	WP407	Kit receptor signaling pathway	-8.9
MCODE_7	mmu04658	Th1 and Th2 cell differentiation - Mus musculus (house mouse)	-8.4
MCODE_7	R-MMU-8854691	Interleukin-20 family signaling	-8.3
MCODE_8	R-MMU-6807505	genes	-9.2
MCODE_8	GO:0006366	transcription by RNA polymerase II	-6.5
MCODE_8	GO:0006351	DNA-templated transcription	-5.9
MCODE_9	GO:0097435	supramolecular fiber organization	-4.1
MCODE_10	R-MMU-6791226	Major pathway of rRNA processing in the nucleolus and cytosol	-6.2
MCODE_10	R-MMU-72312	rRNA processing	-6.2
MCODE_10	R-MMU-8868773	cytosol	-6.2

**Supplementary Table 8.** The MCODE networks identified significantly downregulated DEPs in CD4+ T cells from old mice, with or without mito-transfer, in relation to T Cell exhaustion. Data generated using the Metascape analysis platform.

Uniprot ID	Gene Symbol	t-test	FDR (adj. P-val.)	O1	O2	O3	OM1	OM2	OM3
P16125	Ldhd	0.000	0.013	-0.212	0.132	0.000	-1.330	-1.570	-1.550
P08228	Sod1	0.000	0.013	-0.224	0.010	0.000	-1.080	-1.290	-1.170
Q922W5	Pycr1	0.000	0.014	0.208	0.000	-0.219	2.510	1.920	2.420
P63101	Ywhaz	0.001	0.015	0.000	-0.021	0.113	-1.140	-1.610	-1.370
P06151	Ldha	0.001	0.018	-0.165	0.115	0.000	-0.980	-1.190	-0.934
Q9DB20	Atp5o	0.001	0.019	0.000	0.129	-0.067	0.904	0.673	0.901
P23506	Pcmt1	0.001	0.022	-0.179	0.000	0.198	-0.923	-0.926	-0.835
Q8R0F3	Sumf1	0.002	0.024	0.000	0.232	-0.568	1.860	1.650	1.660
Q01853	Vcp	0.002	0.025	0.000	0.056	-0.134	-0.465	-0.616	-0.590
P17182	Eno1	0.002	0.028	0.055	-0.141	0.000	-0.948	-1.530	-1.280
P48678	Lmna	0.002	0.028	0.000	0.046	-0.348	0.967	0.745	0.972
P35235	Ptpn11	0.002	0.029	-0.286	0.010	0.000	-0.906	-1.190	-0.916
Q04207	Rela	0.003	0.030	0.000	-0.006	0.032	-0.840	-1.440	-1.170
P27641	Xrcc5	0.003	0.030	-0.102	0.000	0.052	-1.050	-1.770	-1.530
P28474	Adh5	0.003	0.032	-0.238	0.142	0.000	-1.150	-1.810	-1.400
Q62077	Plcg1	0.003	0.033	-0.125	0.000	0.471	-1.190	-1.370	-1.750
P19157	Gstp1	0.004	0.036	-0.138	0.000	0.106	-1.050	-1.380	-0.809
P00493	Hprt1	0.004	0.038	0.000	0.060	-0.208	-1.260	-1.950	-1.240
Q9QXS6	Dbn1	0.005	0.039	-1.190	2.450	0.000	7.040	6.310	6.710
Q9R1E0	Foxo1	0.005	0.039	-0.131	0.075	0.000	-0.360	-0.460	-0.388
Q60631	Grb2	0.005	0.041	-0.091	0.403	0.000	-1.080	-1.510	-0.944
P52431	Pold1	0.005	0.043	-0.206	0.235	0.000	-0.797	-1.220	-0.903
P63038	Hspd1	0.006	0.044	0.000	0.119	-0.240	1.090	0.650	0.822
P42232	Stat5b	0.007	0.048	-0.226	0.000	0.150	-0.984	-1.490	-0.914
P63017	Hspa8	0.008	0.054	0.046	0.000	-0.090	-0.386	-0.759	-0.718
P23475	Xrcc6	0.009	0.056	0.040	0.000	-0.446	-0.978	-1.630	-1.300
O08734	Bak1	0.010	0.060	0.000	0.028	-0.547	0.687	0.764	0.655
Q9D666	Sun1	0.011	0.064	-0.159	0.054	0.000	0.644	0.375	0.368
Q06890	Clu	0.014	0.073	0.000	0.199	-0.686	-1.550	-2.880	-1.990
P42230	Stat5a	0.015	0.076	-0.331	0.072	0.000	-0.731	-1.550	-1.370
Q8R4K2	Irak4	0.016	0.078	0.152	0.000	-0.178	-0.685	-1.670	-1.410
P10639	Txn	0.016	0.079	0.196	-0.365	0.000	-0.914	-2.060	-1.810
P25799	Nfkb1	0.017	0.080	0.000	-0.065	0.139	-0.430	-1.120	-0.909
P47791	Gsr	0.018	0.084	0.341	0.000	-0.118	-0.466	-1.080	-1.080
P07901	Hsp90aa1	0.021	0.090	0.000	0.010	-0.335	-0.557	-1.180	-1.010
P09671	Sod2	0.023	0.096	-0.061	0.348	0.000	0.715	0.476	0.682
P70371	Terf1	0.025	0.102	0.000	0.395	-0.619	-1.120	-1.050	-1.160
P39428	Traf1	0.026	0.103	0.000	0.232	-0.135	-0.817	-1.800	-0.841
P28352	Apex1	0.028	0.107	0.000	-0.288	0.047	-0.452	-0.881	-0.582
Q03147	Cdk7	0.029	0.110	0.000	-0.008	0.017	-0.257	-0.564	-0.237
P20444	Prkca	0.030	0.113	-0.268	0.109	0.000	-0.390	-0.460	-0.434
P35821	Ptpn1	0.031	0.116	-0.040	0.235	0.000	-0.162	-0.284	-0.302
P12023	App	0.032	0.117	4.640	-1.820	0.000	7.180	7.130	7.230
P63166	Sumo1	0.032	0.119	-0.103	0.000	0.363	-0.366	-0.411	-0.342
Q9QVP9	Ptk2b	0.038	0.131	-1.180	0.133	0.000	-1.480	-1.840	-1.650
P43404	Zap70	0.038	0.131	-0.465	0.041	0.000	-0.669	-0.946	-0.589
Q9Z2A7	Dgat1	0.041	0.136	0.000	0.214	-0.404	0.617	0.361	0.650
P06537	Nr3c1	0.043	0.141	-0.291	0.000	0.306	-0.491	-0.996	-0.556
P16858	Gapdh	0.043	0.142	-0.051	0.026	0.000	-0.153	-0.557	-0.357
P24270	Cat	0.046	0.148	0.177	0.000	-0.253	1.040	0.403	0.494
Q8BKJ9	Sirt7	0.048	0.152	0.000	-0.263	0.089	-0.314	-0.839	-0.582
Q60520	Sin3a	0.049	0.154	-0.146	0.000	0.086	-0.240	-0.604	-0.309
P04202	Tgfb1	0.054	0.163	0.000	0.044	-0.363	-0.731	-0.344	-0.794
P14733	Lmnb1	0.060	0.175	-0.138	0.000	0.107	-0.348	-0.608	-0.184
P33609	Pola1	0.060	0.176	0.058	0.000	-0.834	-1.570	-1.450	-0.752

O09172	Gclm	0.514	0.778	0.497	0.000	-0.914	0.147	-0.892	-0.812
Q9QXS6	Dbn1	0.005	0.039	-1.190	2.450	0.000	7.040	6.310	6.710
Q80W54	Zmpste24	0.080	0.211	0.027	0.000	-0.220	0.715	0.060	0.482
P11103	Parp1	0.506	0.770	-0.125	0.040	0.000	-0.190	-0.321	0.120
P11352	Gpx1	0.131	0.294	0.457	0.000	-0.235	-0.028	-0.804	-0.877
Q04750	Top1	0.149	0.319	0.118	-0.057	0.000	-0.028	-0.407	-0.160
P39749	Fen1	0.169	0.351	0.002	-0.215	0.000	-0.243	-0.778	-0.197
Q9CQB5	Cisd2	0.179	0.365	0.000	0.161	-0.086	0.224	0.101	0.145
P07901	Hsp90aa1	0.021	0.090	0.000	0.010	-0.335	-0.557	-1.180	-1.010
Q02111	Prkcq	0.722	1.000	0.000	1.430	-0.213	-0.229	0.752	0.016
Q60631	Grb2	0.005	0.041	-0.091	0.403	0.000	-1.080	-1.510	-0.944
P42230	Stat5a	0.015	0.076	-0.331	0.072	0.000	-0.731	-1.550	-1.370
P17918	Pcna	0.142	0.309	0.516	0.000	-0.203	-0.004	-0.794	-0.676
Q8BKJ9	Sirt7	0.048	0.152	0.000	-0.263	0.089	-0.314	-0.839	-0.582
P09671	Sod2	0.023	0.096	-0.061	0.348	0.000	0.715	0.476	0.682
P52431	Pold1	0.005	0.043	-0.206	0.235	0.000	-0.797	-1.220	-0.903
P23475	Xrcc6	0.009	0.056	0.040	0.000	-0.446	-0.978	-1.630	-1.300
P98083	Shc1	0.721	1.000	0.042	-0.011	0.000	1.180	-0.727	0.209
P35700	Prdx1	0.130	0.293	0.028	0.000	-0.030	0.421	-0.006	0.325
P70399	Tp53bp1	0.062	0.178	0.267	0.000	-0.013	-0.418	-1.440	-0.510
Q9Z2A7	Dgat1	0.041	0.136	0.000	0.214	-0.404	0.617	0.361	0.650
P63280	Ube2i	0.764	1.000	0.000	0.245	-0.255	-0.134	-0.038	0.016
Q04207	Rela	0.003	0.030	0.000	-0.006	0.032	-0.840	-1.440	-1.170
P16125	Ldhd	0.000	0.013	-0.212	0.132	0.000	-1.330	-1.570	-1.550
Q99J62	Rfc4	0.246	0.457	0.532	-0.054	0.000	0.414	-0.865	-1.300
Q08481	Pecam1	0.631	0.907	0.000	1.060	-0.637	-0.841	0.355	-0.038
Q6GQT1	A2m	0.349	0.590	0.000	-0.058	0.442	0.387	0.048	0.814
Q8K3H0	App1	0.122	0.280	-0.019	0.000	0.087	0.005	-0.899	-0.625
P42232	Stat5b	0.007	0.048	-0.226	0.000	0.150	-0.984	-1.490	-0.914
Q9QVP9	Ptk2b	0.038	0.131	-1.180	0.133	0.000	-1.480	-1.840	-1.650
Q9R1E0	Foxo1	0.005	0.039	-0.131	0.075	0.000	-0.360	-0.460	-0.388
P01901	H2-K1	0.918	1.000	0.000	1.100	-0.068	-0.245	0.777	0.664
P29533	Vcam1	0.146	0.315	0.746	0.000	-0.120	0.114	-1.040	-0.893
Q62388	Atm	0.107	0.257	-0.265	0.116	0.000	-0.451	-1.290	-0.368
P62137	Ppp1ca	0.822	1.000	0.237	-0.916	0.000	-0.030	-0.612	-0.318
P20444	Prkca	0.030	0.113	-0.268	0.109	0.000	-0.390	-0.460	-0.434
P41245	Mmp9	0.231	0.435	2.280	0.000	-0.046	0.785	-1.710	-1.570
Q03147	Cdk7	0.029	0.110	0.000	-0.008	0.017	-0.257	-0.564	-0.237
P10126	Eef1a1	0.463	0.721	0.222	-0.135	0.000	0.343	-0.593	-0.404
P28474	Adh5	0.003	0.032	-0.238	0.142	0.000	-1.150	-1.810	-1.400
P10639	Txn	0.016	0.079	0.196	-0.365	0.000	-0.914	-2.060	-1.810
P47791	Gsr	0.018	0.084	0.341	0.000	-0.118	-0.466	-1.080	-1.080
P68181	Prkacb	0.979	1.000	-1.250	0.245	0.000	-0.353	-0.234	-0.378
Q8R0F3	Sumf1	0.002	0.024	0.000	0.232	-0.568	1.860	1.650	1.660
Q8VEE4	Rpa1	0.072	0.197	0.054	-0.271	0.000	-0.678	-1.690	-0.560
P97313	Prkdc	0.549	0.818	0.000	-0.329	0.216	-0.441	-0.410	0.217
P04202	Tgfb1	0.054	0.163	0.000	0.044	-0.363	-0.731	-0.344	-0.794
P12023	App	0.032	0.117	4.640	-1.820	0.000	7.180	7.130	7.230
O35144	Terf2	0.061	0.176	-0.147	0.408	0.000	-0.504	-0.507	-0.217
P60766	Cdc42	0.652	0.928	0.377	-0.109	0.000	0.126	-0.409	0.199
Q9JLN9	Mtor	0.116	0.271	0.095	0.000	-0.092	-0.022	-0.391	-0.444
P28798	Grn	0.144	0.311	0.111	0.000	-1.300	-0.647	-1.980	-2.100
Q5DW34	Ehmt1	0.432	0.687	0.000	-0.729	0.184	-0.148	-1.100	-0.351
P17879	Hspa1b	0.401	0.652	0.000	-1.290	0.818	0.709	0.226	0.366
P08226	ApoE	0.508	0.772	0.861	-0.299	0.000	0.960	0.161	0.360
Q63844	Mapk3	0.097	0.239	0.625	-0.043	0.000	-0.104	-0.713	-0.406
Q8K3K7	Agpat2	0.136	0.300	0.673	-0.697	0.000	0.782	0.680	0.732
Q62077	Plcg1	0.003	0.033	-0.125	0.000	0.471	-1.190	-1.370	-1.750
P33609	Pola1	0.060	0.176	0.058	0.000	-0.834	-1.570	-1.450	-0.752

P70371	Terf1	0.025	0.102	0.000	0.395	-0.619	-1.120	-1.050	-1.160
P25799	Nfkb1	0.017	0.080	0.000	-0.065	0.139	-0.430	-1.120	-0.909
P28867	Prkcd	0.874	1.000	0.163	0.000	-1.170	-0.357	0.299	-1.260
P11440	Cdk1	0.243	0.453	0.534	0.000	-1.540	1.200	-0.031	0.779
P00493	Hprt1	0.004	0.038	0.000	0.060	-0.208	-1.260	-1.950	-1.240
Q88351	Ikbkb	0.730	1.000	0.314	-0.360	0.000	0.876	-0.396	-0.052
P63166	Sumo1	0.032	0.119	-0.103	0.000	0.363	-0.366	-0.411	-0.342
Q8R4K2	Irak4	0.016	0.078	0.152	0.000	-0.178	-0.685	-1.670	-1.410
P35991	Btk	0.317	0.551	0.632	0.000	-0.712	-0.088	-0.620	-0.963
Q925J9	Med1	0.684	0.960	0.315	-0.113	0.000	0.119	-0.251	0.102
Q9D6Y7	Msra	0.068	0.189	0.549	-0.217	0.000	-0.252	-0.768	-0.814
Q60848	Hells	0.176	0.360	0.617	-0.364	0.000	0.051	-1.150	-0.971
Q9D1M4	Eef1e1	0.658	0.934	0.000	0.081	-0.123	0.368	-0.741	-0.135
P08556	Nras	0.188	0.378	-0.332	0.239	0.000	0.065	0.343	0.475
Q9D666	Sun1	0.011	0.064	-0.159	0.054	0.000	0.644	0.375	0.368
P34902	Ii2rg	0.090	0.230	-0.469	0.000	0.113	-0.901	-0.440	-0.531
P97494	Gclc	0.814	1.000	0.000	-3.610	0.176	-1.950	-2.290	-0.243
Q9WUD1	Stub1	0.453	0.711	0.263	0.000	-0.427	-2.900	0.114	0.084
B2RWS6	Ep300	0.670	0.948	0.000	1.170	-0.194	0.000	0.248	0.134
Q35904	Pik3cd	0.505	0.769	0.000	-0.553	0.026	-0.185	-0.997	-0.099
Q60974	Ncor1	0.231	0.436	-0.323	0.025	0.000	-0.567	-1.790	-0.112
Q60855	Ripk1	0.652	0.929	0.790	0.000	-0.944	0.818	-1.660	-0.584
Q61510	Trim25	0.944	1.000	-0.760	2.540	0.000	0.403	-0.707	1.800
P23506	Pcmt1	0.001	0.022	-0.179	0.000	0.198	-0.923	-0.926	-0.835
P39428	Traf1	0.026	0.103	0.000	0.232	-0.135	-0.817	-1.800	-0.841
Q9Z148	Ehmt2	0.654	0.930	-0.141	0.000	0.802	-0.151	-0.571	0.696
P51829	Adcy7	0.555	0.824	-0.535	0.000	0.058	-0.200	-0.585	-0.144
P63073	Eif4e	0.110	0.261	0.056	0.000	-0.079	-0.067	-0.746	-0.443
P34152	Ptk2	0.297	0.524	0.207	0.000	-0.153	0.088	-0.575	-0.244
O70433	Fhl2	0.300	0.529	0.301	-2.800	0.000	1.230	-0.207	0.303
P47811	Mapk14	0.232	0.436	0.000	0.568	-0.624	-3.770	-0.803	-0.291
Q61037	Tsc2	0.494	0.759	-0.314	0.000	0.272	0.238	-0.069	0.232
P34884	Mif	0.193	0.385	-0.437	0.000	0.174	-0.562	-4.920	-1.210
Q06890	Clu	0.014	0.073	0.000	0.199	-0.686	-1.550	-2.880	-1.990
Q9JIB4	Gtf2h2	0.243	0.453	0.000	-0.382	0.134	-0.180	-1.860	-0.442

**Supplementary Table 9.** Senescence associated proteins detected in CD4+ T cells from old mice with or without mito-transfer. CD4+ T cells from young and old mice, and from old mice after mito-transfer were cultured for 4 h before processing for mass spectrometry analysis. Data expressed as median protein Log2 fold change of CD4+ T cells from old mice, from 3 individual old mice (paired experiment). Differentially expressed proteins (DEPs) with adj. p value > 0.5 are highlighted in orange



GO	Category	Description	Count	%	Log10(P)	Log10(q)
R-MMU-186763	Reactome	Downstream signal transduction	4	22.22	-8.2	-3.99
mmu04066	KEGG	HIF-1 signaling pathway - Mus musculus (house mouse)	5	27.78	-7.47	-3.91
GO:2000377	GO BP	regulation of reactive oxygen species metabolic process	4	22.22	-4.97	-2.31
GO:0006974	GO BP	DNA damage response	6	33.33	-4.62	-2.02
GO:1903828	GO BP	negative regulation of protein localization	4	22.22	-4.33	-1.88
GO:0062197	GO BP	cellular response to chemical stress	4	22.22	-4.11	-1.72
GO:0046434	GO BP	organophosphate catabolic process	3	16.67	-3.7	-1.39
GO:0032496	GO BP	response to lipopolysaccharide	4	22.22	-3.58	-1.3
GO:0062012	GO BP	regulation of small molecule metabolic process	4	22.22	-3.55	-1.27
GO:0001819	GO BP	positive regulation of cytokine production	4	22.22	-3	-0.85
GO:0002443	GO BP	leukocyte mediated immunity	3	16.67	-2.41	-0.37

**Supplementary Table 10.** The Top 20 processes of significantly downregulated DEPs in CD4+ T cells with or without mitochondrial transfer, in relation to T Cell senescence. Data generated using the Metascape analysis platform.

GO	Description	Log10(P)
R-MMU-186763	Downstream signal transduction	-8.7
WP373	IL-3 signaling pathway	-8.4
WP387	IL-6 signaling pathway	-8.4

**Supplementary Table 11.** The Top 3 Protein-Protein Interaction (PPI) networks of significantly downregulated DEPs in CD4+ T cells, with or without mito-transfer, in relation to T Cell senescence. Data generated using the Metascape analysis platform.

<b>MCODE</b>	<b>GO</b>	<b>Description</b>	<b>Log10(P)</b>
MCODE_1	mmu00010	Glycolysis / Gluconeogenesis - Mus musculus (house mouse)	-9.3
MCODE_1	GO:0032787	monocarboxylic acid metabolic process	-7.8
MCODE_1	mmu00620	Pyruvate metabolism - Mus musculus (house mouse)	-7.1
MCODE_2	R-MMU-186763	Downstream signal transduction	-11.7
MCODE_2	R-MMU-186797	Signaling by PDGF	-10.6
MCODE_2	WP407	Kit receptor signaling pathway	-10

**Supplementary Table 12.** The MCODE networks identified significantly downregulated DEPs in CD4+ T cells, with or without mito-transfer, in relation to T Cell senescence. Data generated using the Metascape analysis platform.