Supplementary Table S1. Primers used for PCR, RT-qPCR, and plasmid construction.

Gene Name	**Sequence：5'→3' (F)**	**Sequence：5'→3' (R)**
Cpsf6-mus-genotype	TCTAGACAGACCAATCAGTATGCAG	TCTCCCCATCAGAAGGTATAGTACA
Pdgfra-cre-genotype	GCGGTCTGGCAGTAAAAACTATC	GTGAAACAGCATTGCTGTCACTT
Adipoq-cre-genotype	ACGGACAGAAGCATTTTCCA	GGATGTGCCATGTGAGTCTG
Cebpb-mus	GTGACCAGTGTTGCTGAGTGGCA	TGGCCACTTCCATGGGTCTA
Cebpa-mus	GCAAAGCCAAGAAGTCGGTGGA	CCTTCTGTTGCGTCTCCACGTT
Pparg-mus	GTACTGTCGGTTTCAGAAGTGCC	ATCTCCGCCAACAGCTTCTCCT
Adipoq-mus	CAGTGGATCTGACGACACCAA	CTGGGCAGGATTAAGAGGAACA
Slc2a4-mus	TCATTGTCGGCATGGGTTT	CGGCAAATAGAAGGAAGACGTA
Fabp4-mus	GCGTAAATGGGGATTTGGTC	CTCCTGTCGTCTGCGGTGATT
Gsk3b-mus	ACCATCCTTATCCCTCCA	GCAGAAGCGGCGTTATTG
Cpsf6-mus	TCAAGGTGGTAGAGGACG	TAGAGGAGGTGGCAGAAC
Gsk3b-mus-pPAS	TTCCAACTCCACCTGAACAGCC	GTGACCAGTGTTGCTGAGTGGCA
Gsk3b-mus-dPAS	AGTCTGCTCATTTCCAATACTG	GTCTTTATTGAAGCAGCAGTCA
18S-mus	CGCCGCTAGAGGTGAAATTCT	CATTCTTGGCAAATGCTTTCG
psiCHECK2-*mus*-*Gsk3b*-pPAS	CCGCTCGAGCACTGGTCACGTTTGGAAAGA	AAGGAAAAAAGCGGCCGCGCGGACTTCTGACTTTAAAAAG
psiCHECK2-*mus*-*Gsk3b*-dPAS	CCGCTCGAGGTTCTATGTGACTTGGTTTGGA	AAGGAAAAAAGCGGCCGCATTCATGTTTCCTCTGTCAGAG
pcDNA3.1-*mus*-*Gsk3b*-CDS	CGGGGTACCCATGTCGGGGCGACCGAGAAC	GCTCTAGATTCAGGTGGAGTTGGAAGCTGATGC
Grk5-mus-pPAS	CTTCTACTTGGAAGCAGAAC	TTGAGAAACTTGGAGGTTTG
Grk5-mus-dPAS	TGCTGCTCTGAACCTCACAT	AGTGGTTGTGGCTAGACAAG
Hmga2-mus-pPAS	CTACCTCAGCATCAGTTGGA	CAGGAAGTAGAAAGACCGTGG
Hmga2-mus-dPAS	AGCTCAAACCTCACCTCT	CAAGTTTCTTTGAAGGTTGGC
Lpl-mus-pPAS	GAGAAGAAAGCATCTGAGTTCT	GGAAAACCCACTTTCAAACAC
Lpl-mus-dPAS	TCTCAACCATCCTGCCTTAG	GCGGAGATGAGTCTCAAATG

Gene Name	**Sequence：5'→3' (F)**	**Sequence：5'→3' (R)**
Lrp6-mus-pPAS	CCACCGGGACATGTAAATAC	ACAAATATCTCCAGCACCCA
Lrp6-mus-dPAS	CAGCTGGTGTTTCTTGTACA	GGAAGTGAATAAGCGGACAAG
Noc3l-mus-pPAS	TCAGTTGAGATTTCCTCTGC	GCTTTCAACTATGGTGCTG
Noc3l-mus-dPAS	GAGACAGGGTTTTGTAGACC	CACGTCTTTAATCCCAGCAC
Rreb1-mus-pPAS	AGAGGGCAAGAGAGAGACAA	ACCCATAAGTAGTTAAGGCACT
Rreb1-mus-dPAS	GGTCTCTGCTACATGAACAGA	GCTTAGATGGTTTGATGCAG
Tbl1x-mus-pPAS	CTTGTTCGAGTCTACTTGGA	CTAGGTGGAAACCATATTCC
Tbl1x-mus-dPAS	AAGGATCTGCTTTGTTCCTT	CAGTGAGTTGCAGAACAAAC
Tbl1xr1-mus-pPAS	CGTTACTAGTTGGAAGCCAT	GATTTGGCTGTAGTGGACTG
Tbl1xr1-mus-dPAS	TAGCAAGGTGTTTGGTGT	GAGATGCACAATGATGTCTG
Wwtr1-mus-pPAS	TTGATTCGCAGGAACTTGC	CATCCTGCTTTATCTGCCAC
Wwtr1-mus-dPAS	CCGTGATGGACATGTCAC	GGGTCTCTGTCAATCACC
Pdgfra-mus-pPAS	CCTTACTAAGAAGGTGACAAG	GCTCTCTAGTGTTTGCTAAC
Pdgfra-mus-dPAS	GGTCCTATATTTGTGAAGAGG	GGCAGTATTCTCCAAGTCTA

Supplementary Table S2. Overlap of genes with differential APA events identified by bulk RNA-seq and 3'-seq at D1 with adipogenesis-related genes.

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Pdgfra	0.849044978434997	0.351657235246564	-0.497387743	0	0	DN
Tbl1xr1	0.876379690949227	0.446753246753247	-0.429626444	1.79830420738037E-41	1.79450497313943E-40	DN
Gsk3b	0.45872801082544	0.0587808417997097	-0.399947169	9.75983598823754E-105	2.14413761167947E-103	DN
Sdf4	0.840659340659341	0.449275362318841	-0.391383978	1.99734706492434E-09	8.45689479381809E-09	DN
Rreb1	0.928104575163399	0.554524361948956	-0.373580213	2.16511617600477E-46	2.39062567901202E-45	DN
Wwtr1	0.487231869254341	0.152860802732707	-0.334371067	5.03713105487104E-189	2.01059569147951E-187	DN
Hmga2	0.37921836947698	0.0585784360144694	-0.320639933	0	0	DN
Lrp6	0.326918075422627	0.0301339285714286	-0.296784147	0	0	DN
Grk5	0.308176100628931	0.0623608017817372	-0.245815299	1.39389114602305E-44	1.49255195509924E-43	DN
Tbl1x	0.94896265560166	0.782035175879397	-0.16692748	3.58660777170012E-57	4.73499057065131E-56	DN
Lpl	0.774587596575485	0.63278614796492	-0.141801449	1.34892188275869E-80	2.35010939492097E-79	DN
Noc3l	0.272251308900524	0.132183908045977	-0.140067401	2.60091770786548E-06	9.16031580458672E-06	DN

Supplementary Table S3. Overlap of genes with differential APA events identified by bulk RNA-seq and 3'-seq at D0.

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Abca5	0.203725262	0.003018868	-0.200706394	2.05E-101	2.51E-100	DN
Abce1	0.979274611	0.842674356	-0.136600256	1.05E-147	1.74E-146	DN
Abi2	0.566338135	0.401974612	-0.164363523	1.78E-12	7.14E-12	DN
Acbd5	0.937299035	0.526170799	-0.411128236	1.31E-51	1.03E-50	DN
Acp1	0.01980198	0.16	0.14019802	0.001064807	0.002613673	UP
Acsl4	0.868956438	0.120138367	-0.748818072	0	0	DN
Acvr2a	0.428005938	0.028469751	-0.399536187	6.57E-297	2.28E-295	DN
Adamts2	0.505386876	0.072463768	-0.432923107	2.19E-201	4.95E-200	DN
Adamts4	0.688692098	0.575903614	-0.112788484	7.69E-08	0.000000254	DN
Adamts6	0.943319838	0.573529412	-0.369790426	1.68E-12	6.77E-12	DN
Adat2	0.775049116	0.382417582	-0.392631533	3.84E-70	3.69E-69	DN
Adss	0.909327775	0.778611632	-0.130716143	1.67E-33	1.04E-32	DN
Aff4	0.943163097	0.547910151	-0.395252947	0	0	DN
Aftph	0.626582278	0.32459522	-0.301987059	2.61E-59	2.24E-58	DN
Agap1	0.8828125	0.689727463	-0.193085037	1.45E-18	6.85E-18	DN
Agfg1	0.840050378	0.411931818	-0.42811856	1.41E-68	1.33E-67	DN
Ago2	0.995138551	0.80239521	-0.192743342	6.17E-94	7.16E-93	DN
Agps	0.739864865	0.020915033	-0.718949832	5.51E-225	1.37E-223	DN
Ahctf1	0.318766067	0.065904139	-0.252861927	7.79E-84	8.41E-83	DN
Ahi1	0.982808023	0.843501326	-0.139306697	3.09E-12	1.23E-11	DN
Akap11	0.992654774	0.830097087	-0.162557687	3.8E-21	1.89E-20	DN
Alcam	0.404502046	0.081545064	-0.322956982	2.01E-112	2.61E-111	DN
Amfr	0.857111835	0.455960672	-0.401151163	0	0	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Ankrd12	0.162995595	0.005479452	-0.157516143	1.84E-14	7.8E-14	DN
Ankrd13c	0.920829976	0.776475224	-0.144354752	2.23E-118	3.07E-117	DN
Ankrd40	0.986394558	0.874468085	-0.111926473	2.39E-50	1.86E-49	DN
Ankrd50	0.141127507	0.015243902	-0.125883604	3.59E-101	4.38E-100	DN
Anp32e	0.812739726	0.357084889	-0.455654837	0	0	DN
Anxa7	0.353092784	0.121815595	-0.231277188	1.38E-233	3.57E-232	DN
Ap1g1	0.873451466	0.390015806	-0.48343566	0	0	DN
Ap4e1	0.751612903	0.193877551	-0.557735352	1.85E-69	1.76E-68	DN
Aplp2	0.940832949	0.418017876	-0.522815074	0	0	DN
Appbp2	0.663402693	0.168016194	-0.495386498	5.21E-72	5.08E-71	DN
Arf6	0.456656805	0.097367968	-0.359288836	0	0	DN
Arfgef2	0.173478656	0.014940491	-0.158538165	2.55E-80	2.69E-79	DN
Arglu1	0.133333333	0	-0.133333333	2.54E-22	1.3E-21	DN
Arhgap12	0.986509275	0.285	-0.701509275	3.91E-141	6.3E-140	DN
Arhgef12	0.704328687	0.177942539	-0.526386147	1.8E-220	4.35E-219	DN
Arid2	1	0.689655172	-0.310344828	1.16E-10	4.36E-10	DN
Arih1	0.974504624	0.684379562	-0.290125061	0	0	DN
Arih2	0.57040259	0.22939774	-0.341004849	0	0	DN
Arl1	0.847371894	0.49946733	-0.347904564	1.00932681451932E-311	3.67233127493676E-310	DN
Arl4c	0.262118019	0.070076352	-0.192041667	1.71E-181	3.5E-180	DN
Arl5b	0.98569857	0.591346154	-0.394352416	7.59E-81	8.08E-80	DN
Arl6ip6	0.842457421	0.177584541	-0.66487288	0	0	DN
Arl8b	0.716694772	0.070687419	-0.646007353	7.85E-199	1.74E-197	DN
Armc1	0.807113543	0.297984803	-0.50912874	0	0	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Armc8	0.297512438	0.049494949	-0.248017488	2.71E-181	5.55E-180	DN
Arnt	0.966222222	0.709758657	-0.256463565	0	0	DN
Arpc5	0.868993135	0.450072754	-0.418920381	0	0	DN
Arpp19	0.973442288	0.67961165	-0.293830638	6.39E-34	4.02E-33	DN
Arsb	0.972482802	0.685538462	-0.28694434	7.42E-118	1.02E-116	DN
Asap1	0.792279412	0.329489292	-0.46279012	4.84E-140	7.73E-139	DN
Asap2	0.857601713	0.403481823	-0.45411989	2.01E-126	2.9E-125	DN
Atf2	0.801607233	0.199361314	-0.602245919	0	0	DN
Atf6	0.999124726	0.836575875	-0.162548851	7.45E-102	9.13E-101	DN
Atg4b	0.72258533	0.434881455	-0.287703875	7.59E-135	1.17E-133	DN
Atg5	0.696225285	0.285610465	-0.410614819	1.3E-115	1.75E-114	DN
Atl2	0.945701357	0.446246035	-0.499455323	0	0	DN
Atmin	0.520143241	0.153110048	-0.367033193	1.36E-89	1.53E-88	DN
Atp13a3	0.75826819	0.053033193	-0.705234997	0	0	DN
Atp2c1	0.868913858	0.219387755	-0.649526103	1.25E-93	1.45E-92	DN
Atp6ap2	0.991963726	0.766924624	-0.225039102	0	0	DN
Atp6v1a	0.982766932	0.47752905	-0.505237882	0	0	DN
AW549877	0.952618454	0.652555911	-0.300062543	1.79E-100	2.16E-99	DN
Azin1	0.873070326	0.215938303	-0.657132023	1.03E-138	1.63E-137	DN
B3galnt2	0.989004276	0.85257032	-0.136433956	4.37E-46	3.25E-45	DN
B3glct	0.19844358	0.051622419	-0.146821161	4.05E-15	1.74E-14	DN
B4gat1	0.815659955	0.678834182	-0.136825773	3.59E-31	2.15E-30	DN
Bace1	0.6	0.119047619	-0.480952381	0.000157232	0.000417559	DN
Bdnf	0.406217617	0.037178265	-0.369039352	1.92E-100	2.32E-99	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Bend3	0.987012987	0.551724138	-0.435288849	5.02E-08	0.000000168	DN
Blmh	0.90469931	0.652010522	-0.252688788	3.89E-244	1.07E-242	DN
Bloc1s4	0.282051282	0.086807716	-0.195243566	1.41E-98	1.68E-97	DN
Bmp2k	0.968798752	0.787021631	-0.181777121	3.35E-35	2.15E-34	DN
Bmpr1a	0.95184136	0.545454545	-0.406386814	3.98E-56	3.31E-55	DN
Bmpr2	0.746500778	0.392638037	-0.353862741	4.44E-59	3.8E-58	DN
Bnc2	0.965053763	0.832678271	-0.132375493	7.74E-61	6.74E-60	DN
Borcs7	0.226415094	0.062269129	-0.164145965	1.97E-43	1.42E-42	DN
Brd3	0.655139289	0.215348473	-0.439790816	3.28E-104	4.07E-103	DN
Bri3bp	0.251340483	0.01929861	-0.232041873	3.32E-232	8.54E-231	DN
Btaf1	0.849462366	0.19515885	-0.654303515	4.6E-98	5.45E-97	DN
Btbd7	0.949748744	0.645998558	-0.303750186	6.44E-112	8.29E-111	DN
C2cd2	0.667391304	0.256256256	-0.411135048	5.41E-148	9.03E-147	DN
Cab39	0.89781746	0.175222006	-0.722595455	0	0	DN
Cab39l	0.667037862	0.503333333	-0.163704529	1.66E-21	8.37E-21	DN
Cacna1c	0.821782178	0.386503067	-0.435279111	9.43E-18	4.37E-17	DN
Cacna2d1	0.99713877	0.480263158	-0.516875612	7.34E-114	9.66E-113	DN
Cacul1	0.64201126	0.109135074	-0.532876186	0	0	DN
Calu	0.175925926	0.010105448	-0.165820478	8.77E-17	3.96E-16	DN
Camk2d	1	0.351351351	-0.648648649	8.47E-23	4.38E-22	DN
Car13	0.188466948	0.062172775	-0.126294173	1.54E-18	7.26E-18	DN
Carf	0.971731449	0.647540984	-0.324190465	2.26E-34	1.43E-33	DN
Cask	0.746317512	0.211485871	-0.534831642	1.57E-153	2.74E-152	DN
Casp9	0.909883721	0.618879749	-0.291003972	1.74E-123	2.45E-122	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Cbl	0.981125093	0.794095092	-0.18703	1.2E-118	1.66E-117	DN
Cblb	0.980561555	0.824797844	-0.155763711	2.83E-22	1.45E-21	DN
Cbll1	0.105590062	0.00248139	-0.103108673	3.99E-09	0.000000014	DN
Cbx4	0.805639476	0.671910112	-0.133729364	3.61E-11	1.38E-10	DN
Ccdc126	0.978494624	0.530973451	-0.447521172	5.45E-27	3.05E-26	DN
Ccdc24	0.615384615	0.23255814	-0.382826476	0.00020347	0.000536387	DN
Ccdc50	0.928171968	0.402107953	-0.526064015	0	0	DN
Ccdc93	0.426592798	0.085862966	-0.340729832	1.2E-245	3.35E-244	DN
Ccng2	0.824454592	0.67815453	-0.146300061	1.64E-25	8.95E-25	DN
Ccnt2	0.923809524	0.129032258	-0.794777266	1.03E-43	7.42E-43	DN
Cd109	0.74740862	0.298178332	-0.449230288	5.93E-124	8.42E-123	DN
Cd164	0.95440813	0.542086985	-0.412321144	0	0	DN
Cd24a	0.757575758	0.388170055	-0.369405702	5.35E-35	3.42E-34	DN
Cd44	0.789834174	0.160098313	-0.629735861	0	0	DN
Cd47	0.425195044	0.026207545	-0.398987499	0	0	DN
Cdc14b	0.831683168	0.224576271	-0.607106897	2.91E-56	2.42E-55	DN
Cdc23	0.545454545	0	-0.545454545	0.000000323	0.00000103	DN
Cdc27	0.172181373	0.004245109	-0.167936264	1.79E-204	4.08E-203	DN
Cdc42	0.81526191	0.431502834	-0.383759076	0	0	DN
Cdc42bpa	0.885090218	0.360869565	-0.524220653	1.34E-186	2.82E-185	DN
Cdk16	0.823600678	0.548524203	-0.275076475	1.47E-165	2.79E-164	DN
Cdk19	1	0.832438238	-0.167561762	3.82E-73	3.78E-72	DN
Cdon	0.993921569	0.702179177	-0.291742392	4.50090918018004E-316	1.68744955907891E-314	DN
Cds2	0.947286822	0.689295039	-0.257991783	6.01E-117	8.19E-116	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Cebpg	0.51702396	0.159041394	-0.357982565	2.12E-191	4.58E-190	DN
Celf2	0.726027397	0.019230769	-0.706796628	2.28E-41	1.59E-40	DN
Cep104	0.74822695	0.156765677	-0.591461274	9.74E-67	9.01E-66	DN
Cers6	0.975577116	0.843990527	-0.131586589	8.39E-81	8.92E-80	DN
Cggbp1	0.839797639	0.260771825	-0.579025814	0	0	DN
Chd1	0.772727273	0.082677165	-0.690050107	4.88E-111	6.25E-110	DN
Chd9	0.988118812	0.519169329	-0.468949483	4.71E-222	1.15E-220	DN
Chmp2b	0.481996727	0.117170262	-0.364826465	0	0	DN
Chmp4b	0.617567007	0.355183297	-0.26238371	0	0	DN
Chtop	0.740209597	0.520580508	-0.219629089	1.05E-174	2.09E-173	DN
Clip1	0.468631179	0.097135741	-0.371495438	1.63E-105	2.04E-104	DN
Clk4	0.601674641	0.421052632	-0.18062201	1.7E-15	7.42E-15	DN
Cnih4	0.223593466	0.019721183	-0.203872283	1.47E-141	2.37E-140	DN
Cnn3	0.816695811	0.489566386	-0.327129425	0	0	DN
Cnnm2	0.123442809	0.009579956	-0.113862853	3.85E-32	2.34E-31	DN
Cnot2	0.889694042	0.669616519	-0.220077523	7.77E-74	7.73E-73	DN
Cnot6l	0.570640177	0.256739409	-0.313900767	2.55E-39	1.73E-38	DN
Cnot8	0.832754475	0.386210762	-0.446543713	0	0	DN
Col12a1	0.850828729	0.354596623	-0.496232106	1.04E-32	6.36E-32	DN
Col1a1	0.190567769	0.068654059	-0.12191371	0	0	DN
Col1a2	0.254901314	0.130628232	-0.124273082	0	0	DN
Col4a1	0.510776608	0.122572278	-0.38820433	0	0	DN
Col4a3bp	0.977900552	0.533989267	-0.443911286	1.15E-214	2.73E-213	DN
Col8a1	0.988394584	0.341682723	-0.646711861	2.59E-177	5.22E-176	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Cpd	0.99559956	0.563151796	-0.432447764	5.52E-134	8.43E-133	DN
Cpeb2	0.951871658	0.16868932	-0.783182337	1.49E-160	2.74E-159	DN
Cpne3	0.93046252	0.31561086	-0.61485166	0	0	DN
Creb1	0.962699822	0.609876543	-0.352823279	5.77E-64	5.17E-63	DN
Crebrf	0.45601689	0.166301969	-0.28971492	1.41E-49	1.09E-48	DN
Crtc1	0.948535936	0.78639745	-0.162138487	2.72E-29	1.58E-28	DN
Csde1	0.857402195	0.612396043	-0.245006151	0	0	DN
Csnk2a1	0.174311927	0.021862348	-0.152449578	6.28E-32	3.8E-31	DN
Cstf2	0.860911271	0.376888889	-0.484022382	1.17E-158	2.1E-157	DN
Ctdspl2	0.971518987	0.449864499	-0.521654489	1.52E-169	2.93E-168	DN
Ctnnb1	0.997351166	0.859487968	-0.137863198	0	0	DN
Ctnnbip1	0.649974709	0.413828689	-0.23614602	5.42E-50	4.2E-49	DN
Cul4b	0.732377888	0.217455621	-0.514922267	0	0	DN
Cyb5b	0.81582473	0.520067517	-0.295757213	0	0	DN
Cyld	0.59430605	0.043297252	-0.551008798	2.16E-146	3.57E-145	DN
Cyp51	0.841176471	0.707762557	-0.133413914	0.002442716	0.005767672	DN
D16Ertd472e	0.913916786	0.457274827	-0.456641959	4.92E-65	4.47E-64	DN
D1Ertd622e	0.919389978	0.796482412	-0.122907566	0.000000274	0.000000878	DN
Daam1	0.80148423	0.148201439	-0.653282791	1.42E-294	4.85E-293	DN
Dazap1	0.723610219	0.532978364	-0.190631854	0	0	DN
Dcaf7	0.853457447	0.691722595	-0.161734852	1.18E-68	1.12E-67	DN
Dcbld1	0.711297071	0.294117647	-0.417179424	2.94E-56	2.44E-55	DN
Dcbld2	0.895533141	0.172018566	-0.723514575	0	0	DN
Dcp2	0.190775681	0.010320478	-0.180455203	5.42E-47	4.07E-46	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Dcun1d1	0.369369369	0.016632017	-0.352737353	4.12E-37	2.71E-36	DN
Ddr2	0.981815282	0.70397569	-0.277839591	0	0	DN
Ddx21	0.926298157	0.582089552	-0.344208605	1.05E-138	1.65E-137	DN
Ddx3x	0.939943547	0.377238301	-0.562705246	0	0	DN
Ddx5	0.715167339	0.244224422	-0.470942917	2.01E-257	5.9E-256	DN
Degs1	0.333333333	0.047272727	-0.286060606	0.000000777	0.00000242	DN
Derl1	0.315803631	0.118777849	-0.197025783	8.8E-198	1.94E-196	DN
Derl2	0.179447053	0.022734707	-0.156712345	1.74E-167	3.34E-166	DN
Diaph2	0.962406015	0.710474308	-0.251931707	4.82E-72	4.71E-71	DN
Diaph3	1	0.832853026	-0.167146974	0.000618509	0.001552213	DN
Dicer1	0.457711443	0.102372035	-0.355339408	4.95E-111	6.32E-110	DN
Dip2c	0.644046095	0.064873418	-0.579172677	1.08E-239	2.89E-238	DN
Dmxl1	0.986206897	0.348017621	-0.638189275	2.15E-64	1.93E-63	DN
Dnaja1	0.212867867	0.06000543	-0.152862437	0	0	DN
Dnajc18	0.192861616	0.07434465	-0.118516966	4.64E-93	5.33E-92	DN
Dnajc3	0.539737991	0.066648306	-0.473089685	0	0	DN
Dnajc5	0.361370717	0.02244389	-0.338926826	9.6E-75	9.62E-74	DN
Dock4	0.85106383	0.065281899	-0.785781931	2.63E-51	2.07E-50	DN
Dock5	0.863120567	0.340532757	-0.52258781	1.18E-186	2.49E-185	DN
Dpy19l3	0.879788639	0.619298246	-0.260490394	9.02E-29	5.18E-28	DN
Dpy19l4	0.962059621	0.493577982	-0.468481639	4.85E-91	5.5E-90	DN
Dr1	0.959482273	0.494553377	-0.464928897	7.55E-217	1.8E-215	DN
Dstn	0.461165049	0.090883824	-0.370281224	3.59E-144	5.87E-143	DN
Dync1li2	0.95623681	0.378124036	-0.578112774	0	0	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Dyrk1a	0.438596491	0.051813472	-0.38678302	2.62E-16	1.17E-15	DN
Dyrk1b	0.315789474	0.059471366	-0.256318108	8.99E-51	7.03E-50	DN
E330009J07Rik	0.984496124	0.322404372	-0.662091752	1.08E-57	9.03E-57	DN
Ebf1	0.034934498	0.279503106	0.244568608	4.39E-12	1.74E-11	UP
Edem1	0.485428668	0.081668496	-0.403760172	0	0	DN
Eea1	0.968888889	0.122986823	-0.845902066	3.91E-203	8.87E-202	DN
Efcab14	0.996740016	0.891705069	-0.105034947	5.01E-24	2.65E-23	DN
Efna5	0.732931727	0.068717539	-0.664214188	1.47E-216	3.51E-215	DN
Efnb2	0.357446809	0.128295255	-0.229151554	3.33E-15	1.44E-14	DN
Efr3a	0.800165153	0.190084704	-0.610080449	0	0	DN
Egln1	0.517752306	0.18922853	-0.328523777	1.58E-137	2.49E-136	DN
Ehd4	0.745098039	0.234146341	-0.510951698	1.79E-22	9.17E-22	DN
Ei24	0.967800951	0.832122275	-0.135678676	4.21E-77	4.31E-76	DN
Eif1ax	0.247538678	0.138461538	-0.109077139	0.006369363	0.014239829	DN
Eif4b	0.835279608	0.513623747	-0.321655862	0	0	DN
Eif5	0.131243001	0.010933558	-0.120309444	4.98E-223	1.22E-221	DN
Emb	0.70142487	0.212812161	-0.48861271	5.41E-186	1.14E-184	DN
Enah	0.241982507	0.081157375	-0.160825133	9.45E-23	4.88E-22	DN
Enpp1	0.252818035	0.004716981	-0.248101054	1.49E-36	9.7E-36	DN
Epb41l3	0.699785561	0.223151408	-0.476634153	5.53E-183	1.14E-181	DN
Epc2	0.552699229	0.049566295	-0.503132934	1.33E-85	1.46E-84	DN
Epha4	0.988847584	0.383050847	-0.605796736	8.36E-64	7.48E-63	DN
Eps15	0.525562372	0.088845015	-0.436717357	0	0	DN
Eps8	0.840740741	0.439297125	-0.401443616	2.98E-93	3.43E-92	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Erc1	0.292596945	0.076749436	-0.215847509	6.46E-93	7.39E-92	DN
Erlin1	0.959173387	0.631551901	-0.327621486	5.12E-160	9.37E-159	DN
Ero1l	0.213282758	0.021830499	-0.191452259	0	0	DN
Erp44	0.14921466	0.039149348	-0.110065312	1.67E-115	2.24E-114	DN
Esyt2	0.994013198	0.797357969	-0.196655229	0	0	DN
Etf1	0.657498825	0.18599176	-0.471507065	0	0	DN
Ets1	0.846229832	0.199144487	-0.647085345	0	0	DN
Extl2	0.555230432	0.158873806	-0.396356626	5.34E-130	8E-129	DN
Fam117b	0.891566265	0.362975391	-0.528590874	9.44E-249	2.67E-247	DN
Fam118a	0.905245347	0.56495098	-0.340294366	1.1E-47	8.33E-47	DN
Fam13a	0.520833333	0.17872969	-0.342103644	6.36E-38	4.23E-37	DN
Fam13b	0.626740947	0.106957425	-0.519783522	2.96E-78	3.07E-77	DN
Fam160b1	0.943000838	0.517274472	-0.425726366	9.25E-127	1.34E-125	DN
Fam168b	0.909036054	0.614583333	-0.29445272	1.22E-306	4.36E-305	DN
Fam8a1	0.947094536	0.59697344	-0.350121096	0	0	DN
Far1	0.623700624	0.048850575	-0.574850049	7.14E-161	1.32E-159	DN
Farp2	0.793103448	0.414414414	-0.378689034	1.03E-15	4.51E-15	DN
Fbxl18	0.557210562	0.181171548	-0.376039014	2.86E-129	4.25E-128	DN
Fbxl20	0.845070423	0.279569892	-0.56550053	1.59E-31	9.59E-31	DN
Fbxo21	0.494186047	0.040057225	-0.454128822	3.05E-67	2.83E-66	DN
Fech	0.882432432	0.594117647	-0.288314785	5.88E-32	3.56E-31	DN
Fem1b	0.708593375	0.392147588	-0.316445787	6.66E-96	7.8E-95	DN
Fermt2	0.839569691	0.23105253	-0.608517162	0	0	DN
Fgd6	0.264	0.015544041	-0.248455959	5.12E-12	2.02E-11	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Fgfr1op	0.912891986	0.356151711	-0.556740275	5.54E-117	7.56E-116	DN
Fip1l1	0.406144983	0.064716636	-0.341428347	1.25E-245	3.47E-244	DN
Fmnl2	0.937587658	0.399050906	-0.538536752	1.37E-271	4.33E-270	DN
Fosl2	0.980883759	0.72180937	-0.259074389	0	0	DN
Foxp1	0.903601695	0.791549296	-0.112052399	0.000000207	0.000000669	DN
Fst	0.663157895	0.282312925	-0.38084497	3.56E-29	2.06E-28	DN
Fundc1	0.946357238	0.647638817	-0.298718421	2.25E-209	5.25E-208	DN
Fyttd1	0.394736842	0.012607161	-0.382129681	1.81E-89	2.03E-88	DN
G3bp1	0.946473552	0.595486696	-0.350986856	0	0	DN
Galnt1	0.829185712	0.478446958	-0.350738754	1.21E-266	3.78E-265	DN
Galnt10	0.710137545	0.487892839	-0.222244706	7.38E-46	5.46E-45	DN
Galnt4	0.926683717	0.73518285	-0.191500867	8.74E-31	5.22E-30	DN
Galnt7	0.809935205	0.237149533	-0.572785672	4.91E-93	5.63E-92	DN
Gatad1	0.863814402	0.694591985	-0.169222417	2.28E-98	2.71E-97	DN
Gclm	0.372053872	0.057692308	-0.314361564	3.82E-37	2.51E-36	DN
Gda	0.935483871	0.342857143	-0.592626728	6.53E-10	2.37E-09	DN
Ggnbp2	0.65185422	0.52232747	-0.12952675	1.07E-24	5.7E-24	DN
Gid4	0.93676815	0.666395443	-0.270372706	2.64E-98	3.14E-97	DN
Glg1	0.462241612	0.341318844	-0.120922768	3.31E-60	2.86E-59	DN
Gls	0.935166994	0.444964871	-0.490202123	5.85E-104	7.25E-103	DN
Gm527	0.448598131	0.083916084	-0.364682047	2.24E-11	8.62E-11	DN
Gmfb	0.806917087	0.229819346	-0.577097741	0	0	DN
Gnai3	0.971460638	0.558065308	-0.41339533	0	0	DN
Gnao1	0.778571429	1	0.221428571	3.23E-09	1.14E-08	UP

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Gnaq	0.842718447	0.143468951	-0.699249496	0	0	DN
Gnb1	0.664185057	0.23014424	-0.434040818	0	0	DN
Gng12	0.782315014	0.149508912	-0.632806101	0	0	DN
Gng2	0.163701068	0.051698671	-0.112002397	3.99E-20	1.95E-19	DN
Gnptab	0.941027801	0.525423729	-0.415604072	1.5E-124	2.13E-123	DN
Golga3	0.631367292	0.352657005	-0.278710287	4.64E-67	4.3E-66	DN
Golim4	0.502544529	0.213166144	-0.289378385	4.42E-30	2.6E-29	DN
Gosr1	0.40733945	0.016188374	-0.391151076	2.04E-109	2.6E-108	DN
Gpc4	0.137782562	0.022123894	-0.115658668	5.88E-65	5.33E-64	DN
Gpc6	0.746994848	0.145899555	-0.601095293	0	0	DN
Gpd2	0.78878249	0.666869671	-0.121912819	3.14E-30	1.85E-29	DN
Grem2	0.933333333	0.117166213	-0.816167121	1E-37	6.65E-37	DN
Grk5	0.301612903	0.043478261	-0.258134642	2.23E-35	1.43E-34	DN
Gsk3b	0.625634518	0.036684135	-0.588950382	3.9E-255	1.13E-253	DN
Gtf2a1	0.986470588	0.305741984	-0.680728605	0	0	DN
Gtf3c4	0.764826176	0.325412221	-0.439413955	1.03E-151	1.76E-150	DN
Gxylt2	0.318240168	0.03346064	-0.284779528	0	0	DN
H3f3b	0.769184185	0.434109677	-0.335074508	0	0	DN
Hapln4	0.372236958	0.224203822	-0.148033137	3.87E-12	1.54E-11	DN
Hdlbp	0.693102231	0.467079455	-0.226022775	0	0	DN
Helz	0.274969174	0.057948316	-0.217020857	4.41E-57	3.68E-56	DN
Hgf	0.75074184	0.037647059	-0.713094781	8.12E-208	1.88E-206	DN
Hgsnat	0.355247982	0.114546732	-0.240701249	6.86E-58	5.76E-57	DN
Hif1a	0.964384829	0.853074434	-0.111310395	4.91E-34	3.09E-33	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Hipk1	0.97972973	0.64224548	-0.337484249	0	0	DN
Hipk3	0.99275766	0.53704336	-0.455714301	0	0	DN
Hmga2	0.515755013	0.057811083	-0.45794393	0	0	DN
Hnrnpdl	0.189460363	0.040671474	-0.14878889	1.35E-246	3.77E-245	DN
Hnrnpul2	0.857514494	0.60454854	-0.252965953	1.42329155230603E-314	5.26740045300421E-313	DN
Hook3	0.392446634	0.025617566	-0.366829067	1.07E-176	2.14E-175	DN
Hoxd8	0.677361854	0.362850517	-0.314511337	4.75E-190	1.02E-188	DN
Hs2st1	0.55399061	0.15801105	-0.395979561	6.53E-61	5.7E-60	DN
Hspa13	0.822669104	0.363397548	-0.459271556	5.71E-190	1.22E-188	DN
Hspa4	0.565121107	0.177863436	-0.387257671	0	0	DN
Htt	0.235843186	0.129099427	-0.106743759	1.88E-16	8.42E-16	DN
Ide	0.724929972	0.618447246	-0.106482726	9.36E-11	3.52E-10	DN
Idh3a	0.730245232	0.204892966	-0.525352265	2.58E-45	1.9E-44	DN
Ift80	0.886	0.270457698	-0.615542302	5.22E-158	9.34E-157	DN
Igf2bp1	0.827453142	0.32	-0.507453142	1.98E-258	5.91E-257	DN
Igf2bp3	0.591194969	0.300724638	-0.290470331	3.47E-09	1.22E-08	DN
Impad1	0.833255269	0.267862764	-0.565392506	0	0	DN
Inhba	0.723628692	0.254145516	-0.469483176	4.84E-147	8.04E-146	DN
Ipo5	0.69076113	0.228420435	-0.462340695	5.59E-184	1.15E-182	DN
Ipo7	0.809885932	0.042911877	-0.766974054	8.14E-158	1.45E-156	DN
Ipp	0.27297668	0.052580331	-0.220396349	1.07E-38	7.22E-38	DN
Iqgap1	0.91110732	0.735481381	-0.175625938	1.23E-134	1.89E-133	DN
Ireb2	0.930365297	0.25785124	-0.672514057	0	0	DN
Itch	0.888888889	0.37751004	-0.511378849	0.0000222	0.0000631	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Itfg1	0.410297927	0.10038475	-0.309913178	5.19E-173	1.03E-171	DN
Itgb3	0.928273947	0.769745649	-0.158528298	3.04E-42	2.15E-41	DN
Ivns1abp	0.750375188	0.288534811	-0.461840376	1.55E-229	3.94E-228	DN
Jmjd1c	0.973333333	0.574647887	-0.398685446	7.7E-53	6.19E-52	DN
Khdrbs1	0.387033399	0.055218447	-0.331814952	1.18E-69	1.13E-68	DN
Kif26b	0.312727273	0.034989503	-0.27773777	5.29E-61	4.62E-60	DN
Kif3a	0.214555766	0.025964392	-0.188591374	5.03E-52	4.01E-51	DN
Kif5b	0.999317173	0.784958217	-0.214358956	8.35E-171	1.63E-169	DN
Kif5c	1	0.807228916	-0.192771084	3.4E-33	2.11E-32	DN
Kifap3	0.956534172	0.680094167	-0.276440005	2.6E-225	6.48E-224	DN
Kitl	0.946524064	0.43877551	-0.507748554	1.07E-160	1.97E-159	DN
Klf3	0.839587932	0.287509239	-0.552078694	3.44E-196	7.53E-195	DN
Klf4	0.80369515	0.629470672	-0.174224478	8.14E-17	3.67E-16	DN
Klf6	0.279683377	0.153464278	-0.126219099	6.91E-43	4.93E-42	DN
Klhl20	0.951076321	0.772397094	-0.178679227	5.08E-16	2.25E-15	DN
Klhl24	0.493927126	0.307849134	-0.186077992	4.97E-40	3.42E-39	DN
Kpna6	0.950557441	0.652750166	-0.297807275	2.44E-122	3.43E-121	DN
L2hgdh	0.857677903	0.185185185	-0.672492717	4.41E-80	4.65E-79	DN
Lamc1	0.906888561	0.262550289	-0.644338273	0	0	DN
Larp4	0.987096774	0.549369748	-0.437727026	4.97E-134	7.6E-133	DN
Larp4b	0.989960559	0.859237537	-0.130723023	2.11E-79	2.19E-78	DN
Leprotl1	0.129599677	0.016391982	-0.113207694	0	0	DN
Lgr4	0.961171229	0.447513089	-0.51365814	0	0	DN
Lhfpl2	0.76982504	0.320616206	-0.449208834	0	0	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Lifr	0.93986637	0.472704715	-0.467161655	1.55E-110	1.97E-109	DN
Limk2	0.726510807	0.425055928	-0.301454879	9.4E-103	1.16E-101	DN
Lims1	0.019093079	0.13622291	0.117129831	1.09E-13	4.52E-13	UP
Lin7c	0.917705736	0.276699029	-0.641006707	0	0	DN
Lix1l	0.649011261	0.277518979	-0.371492283	0	0	DN
Lmbrd2	0.907407407	0.124752475	-0.782654932	1.19E-187	2.52E-186	DN
Lox	0.110717449	0.004378497	-0.106338952	1.54E-93	1.78E-92	DN
Lpar1	0.980416294	0.843211986	-0.137204308	1.5E-242	4.07E-241	DN
Lpl	0.798742138	0.594382022	-0.204360116	2.12E-258	6.3E-257	DN
Lpp	0.953745395	0.588923077	-0.364822318	3.13E-189	6.69E-188	DN
Lrig2	0.695048309	0.137480799	-0.55756751	2.05483210008033E-309	7.41E-308	DN
Lrp6	0.550439117	0.045669375	-0.504769742	0	0	DN
Lrrc8c	0.702444208	0.460348162	-0.242096046	1.91E-19	9.22E-19	DN
Lzic	0.377372001	0.170291777	-0.207080224	1.01E-54	8.31E-54	DN
Macf1	0.653301887	0.250769231	-0.402532656	1.26E-39	8.63E-39	DN
Magt1	0.942410932	0.446177847	-0.496233085	7.93E-158	1.42E-156	DN
Man1a	0.748091603	0.365591398	-0.382500205	1.14E-08	3.91E-08	DN
Man1c1	0.693069307	0.328125	-0.364944307	1.03E-36	6.71E-36	DN
Maoa	0.15	0.002897951	-0.147102049	2.36E-128	3.49E-127	DN
Map1lc3b	0.745916864	0.377635352	-0.368281512	0	0	DN
Map2k4	0.996183206	0.856020942	-0.140162264	1.37E-24	7.29E-24	DN
Map4k5	0.679340029	0.129531174	-0.549808854	2.97E-250	8.49E-249	DN
Mapk1	0.96596098	0.761904762	-0.204056218	1.96E-42	1.39E-41	DN
Mapk1ip1l	0.694599628	0.113111311	-0.581488316	0	0	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Mapk9	0.137883008	0.018726592	-0.119156417	1.9E-15	8.25E-15	DN
Mapkap1	0.172767204	0.028729357	-0.144037846	4.64E-282	1.51E-280	DN
Mapre1	0.928571429	0.679552864	-0.249018564	8.34E-118	1.14E-116	DN
6-Mar	0.801820439	0.316117216	-0.485703222	1.82E-280	5.89E-279	DN
Matr3	0.68852459	0.123595506	-0.564929085	2.17E-89	2.43E-88	DN
Mbnl3	0.893557423	0.518409426	-0.375147997	4.89E-69	4.65E-68	DN
Mbtd1	0.96969697	0.505521472	-0.464175497	2.21E-132	3.35E-131	DN
Mecp2	0.46862897	0.147727273	-0.320901697	4.46E-80	4.69E-79	DN
Med13	0.989394885	0.790446841	-0.198948043	7.05E-59	6.02E-58	DN
Mef2d	0.947446888	0.641258514	-0.306188373	2.75E-287	9.12E-286	DN
Mfap3l	0.206349206	0.046511628	-0.159837578	0.0000837	0.000227378	DN
Mfsd1	0.9780637	0.844949186	-0.133114513	0	0	DN
Mgea5	0.611311862	0.100247262	-0.511064599	0	0	DN
Mier1	0.981865285	0.171289875	-0.81057541	0	0	DN
Mob1b	0.991419142	0.504261364	-0.487157778	7.54E-186	1.58E-184	DN
Mob4	0.739986267	0.265596161	-0.474390106	0	0	DN
Mras	0.763129399	0.404844291	-0.358285108	1.76E-171	3.44E-170	DN
Mrrf	0.182403433	0.039097744	-0.143305689	9.96E-35	6.35E-34	DN
Msi2	0.873511905	0.317284925	-0.55622698	8.56E-241	2.32E-239	DN
Mtf1	0.317961165	0.102615694	-0.215345471	1.75E-30	1.04E-29	DN
Mtfr1	0.932173913	0.454545455	-0.477628458	1.95E-119	2.72E-118	DN
Mxd1	0.966845878	0.800718133	-0.166127745	1.54E-27	8.73E-27	DN
Mxd4	0.978530169	0.867565571	-0.110964598	0	0	DN
Mynn	0.571428571	0.040133779	-0.531294792	2.77E-40	1.91E-39	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Myo1b	0.376959248	0.033026358	-0.34393289	6.36E-187	1.34E-185	DN
Myo5a	0.315287244	0.035870714	-0.27941653	0	0	DN
N4bp1	0.837598227	0.617847769	-0.219750458	8.61E-80	9.01E-79	DN
Naa50	0.172413793	0.006666667	-0.165747126	6.08E-13	2.48E-12	DN
Nab1	0.922943221	0.417630634	-0.505312587	7.65E-276	2.44E-274	DN
Nacc2	0.760292165	0.325757576	-0.434534589	7.7E-139	1.22E-137	DN
Nadk	0.452830189	0.255769231	-0.197060958	0.0000901	0.000244375	DN
Nadk2	0.6966759	0.064846416	-0.631829484	7.07E-214	1.67E-212	DN
Napg	0.889130435	0.180851064	-0.708279371	4.64E-256	1.35E-254	DN
Nbeal1	0.729032258	0.262295082	-0.466737176	1.59E-28	9.11E-28	DN
Ncoa3	0.483790524	0.247443763	-0.236346761	1.22E-32	7.44E-32	DN
Ndfip1	0.963098879	0.732011473	-0.231087406	0	0	DN
Nedd4	0.983301859	0.662178791	-0.321123067	0	0	DN
Nek7	0.961165049	0.578571429	-0.38259362	1.8E-41	1.26E-40	DN
Neo1	0.878692688	0.482704557	-0.395988132	0	0	DN
Nfkb1	0.752714113	0.432472691	-0.320241422	2.89E-87	3.22E-86	DN
Nfyb	0.178947368	0.035874439	-0.143072929	2.51E-68	2.35E-67	DN
Nhlrc2	0.857544039	0.522274538	-0.335269501	2.25E-198	4.97E-197	DN
Nit2	0.44978838	0.216905444	-0.232882936	3.52E-113	4.6E-112	DN
Nkap	0.363636364	0.054545455	-0.309090909	7.28E-71	7.06E-70	DN
Nln	0.166426859	0.038181038	-0.12824582	5.2E-48	3.96E-47	DN
Nolc1	0.295179347	0.092343387	-0.202835959	3.47E-131	5.21E-130	DN
Nom1	0.35335689	0.151933702	-0.201423189	3.54E-09	1.25E-08	DN
Npat	0.714285714	0.120300752	-0.593984962	3.95E-26	2.18E-25	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Nr2c1	0.368300153	0.06011236	-0.308187794	1.06E-105	1.33E-104	DN
Nr2c2	0.994970414	0.806612841	-0.188357573	7.78E-168	1.49E-166	DN
Nras	0.894123408	0.374384236	-0.519739172	0	0	DN
Nrg1	0.235714286	0.005181347	-0.230532939	1.83E-18	8.63E-18	DN
Nt5c2	0.301003344	0.093499555	-0.20750379	6.08E-33	3.74E-32	DN
Nucks1	0.975358588	0.759914408	-0.21544418	0	0	DN
Nudt3	0.926978226	0.796671745	-0.130306481	3.53E-291	1.19E-289	DN
Nvl	0.301369863	0.127388535	-0.173981328	0.000233048	0.000610071	DN
Oat	0.31996587	0.105913325	-0.214052545	1.28E-150	2.2E-149	DN
Ogt	0.866374589	0.331993973	-0.534380616	7.11E-264	2.18E-262	DN
Opa1	0.741870935	0.3534689	-0.388402036	5.07E-126	7.32E-125	DN
Orc4	0.143706105	0.029318037	-0.114388068	4.91E-34	3.09E-33	DN
Osbpl8	0.951683748	0.70212766	-0.249556089	4.77E-16	2.11E-15	DN
Ostf1	0.207807591	0.101630148	-0.106177444	2.55E-211	5.99E-210	DN
Ostm1	1	0.782713085	-0.217286915	7.19E-87	7.94E-86	DN
Otud4	0.923917612	0.367798194	-0.556119419	0	0	DN
Oxct1	0.598416732	0.302799699	-0.295617032	0	0	DN
Oxr1	0.953125	0.261904762	-0.691220238	1.39E-199	3.08E-198	DN
Pacs2	0.917162109	0.51509689	-0.402065218	0	0	DN
Pafah1b1	0.150314982	0.016384068	-0.133930914	0	0	DN
Pafah1b2	0.936682243	0.722362744	-0.214319499	9.18E-292	3.09E-290	DN
Paip1	0.188442211	0.043986637	-0.144455574	3E-51	2.36E-50	DN
Paip2	0.460652358	0.136131637	-0.324520721	0	0	DN
Pak3	0.961502347	0.60625	-0.355252347	6.98E-69	6.6E-68	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Papd7	0.697814619	0.256880734	-0.440933885	7.45E-153	1.29E-151	DN
Parva	0.686926606	0.25254763	-0.434378976	4.52E-208	1.05E-206	DN
Paxbp1	0.361513312	0.064386318	-0.297126994	9.86E-81	1.05E-79	DN
Pbx2	0.700950951	0.598438008	-0.102512942	2.76E-19	1.33E-18	DN
Pcdh18	0.574825175	0.096616138	-0.478209036	0	0	DN
Pcdh7	0.429553265	0.539568345	0.110015081	0.016874217	0.035274272	UP
Pcf11	0.175480769	0.032835821	-0.142644948	1.85E-25	1.01E-24	DN
Pcgf3	0.931652428	0.52293578	-0.408716648	0	0	DN
Pcmt1	0.805970149	0.62548714	-0.18048301	1.77E-54	1.45E-53	DN
Pcmtd2	0.723472669	0.222689076	-0.500783593	1.33E-73	1.32E-72	DN
Pcnp	0.974589523	0.727272727	-0.247316796	2.35E-94	2.73E-93	DN
Pcnx	0.396907216	0.070154578	-0.326752639	1.23E-71	1.2E-70	DN
Pdcd6ip	0.310105497	0.03110458	-0.279000917	0	0	DN
Pde4d	0.752717391	0.154142582	-0.598574809	4.99E-75	5.01E-74	DN
Pdgfra	0.905794948	0.260657954	-0.645136994	0	0	DN
Pdha1	0.802680965	0.250571404	-0.552109561	0	0	DN
Pds5a	0.814589666	0.261589404	-0.553000262	9.05E-246	2.53E-244	DN
Pggt1b	1	0.877880184	-0.122119816	2.56E-33	1.59E-32	DN
Pgp	0.535541753	0.353946993	-0.181594759	2.97E-48	2.27E-47	DN
Phf12	0.739130435	0.452205882	-0.286924552	1.36E-33	8.52E-33	DN
Phf20	0.893081761	0.543259557	-0.349822204	6.64E-90	7.49E-89	DN
Phf3	0.376651982	0.037260826	-0.339391157	2.97E-61	2.61E-60	DN
Pias1	0.31503268	0.085626911	-0.229405768	1E-27	5.68E-27	DN
Pigm	0.235883905	0.033498201	-0.202385704	1.77E-127	2.58E-126	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Pik3r1	0.993870671	0.870610871	-0.123259801	9.77E-177	1.96E-175	DN
Pkd2	0.993672221	0.411634349	-0.582037872	0	0	DN
Pla2g12a	0.294785632	0.07483871	-0.219946922	6.04E-168	1.16E-166	DN
Plekha2	0.693150685	0.085778781	-0.607371904	3.29E-152	5.67E-151	DN
Plekhf2	0.848942598	0.466179159	-0.382763439	2.59E-78	2.68E-77	DN
Plxna2	0.728307255	0.462686567	-0.265620687	3.3E-46	2.46E-45	DN
Pnisr	0.353878852	0.081553398	-0.272325454	1.58E-33	9.83E-33	DN
Polh	1	0.04	-0.96	6.62E-12	2.6E-11	DN
Polr3e	0.316605839	0.078431373	-0.238174467	2E-47	1.51E-46	DN
Pomt2	0.791887125	0.395245171	-0.396641954	1.39E-127	2.04E-126	DN
Ppm1k	0.870967742	0.404466501	-0.466501241	2.59E-47	1.95E-46	DN
Ppp1r12a	0.431137725	0.06547619	-0.365661534	2.6E-19	1.25E-18	DN
Ppp3ca	0.265830172	0.11631885	-0.149511322	4.26E-65	3.87E-64	DN
Ppp4r2	0.30737798	0.092026973	-0.215351006	1.48E-103	1.83E-102	DN
Ppp6c	0.54954955	0.054200542	-0.495349008	5.29E-43	3.78E-42	DN
Prdm15	0.798192771	0.551020408	-0.247172363	3.56E-09	1.25E-08	DN
Prkaa1	0.676067687	0.07788836	-0.598179327	1.57209774695975E-312	5.74415206442124E-311	DN
Prkacb	0.965631196	0.732182382	-0.233448815	6.35E-140	1.01E-138	DN
Prkar1a	0.823785127	0.273562107	-0.550223019	0	0	DN
Prkar2b	0.980514706	0.639458573	-0.341056133	1.39E-254	4.01E-253	DN
Prps2	0.723737667	0.209281165	-0.514456502	2.83E-237	7.5E-236	DN
Prrc1	0.139000148	0.010251281	-0.128748867	0	0	DN
Psen1	0.677105832	0.396	-0.281105832	1.8E-24	9.57E-24	DN
Psmc6	0.164080209	0.015500144	-0.148580065	1.45E-275	4.61E-274	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Ptar1	0.708074534	0.152496626	-0.555577908	1.28E-69	1.22E-68	DN
Ptbp3	0.929693962	0.179452055	-0.750241907	0	0	DN
Pten	0.42764345	0.048250905	-0.379392545	2.92E-298	1.02E-296	DN
Ptgfr	0.206272618	0.009384776	-0.196887842	4.85E-73	4.79E-72	DN
Ptgs1	0.301311154	0.10397676	-0.197334393	0	0	DN
Ptp4a2	0.525352754	0.258047353	-0.267305401	3.72E-295	1.28E-293	DN
Ptpn1	0.466817924	0.219818125	-0.246999799	9.21E-102	1.13E-100	DN
Pum2	0.920730397	0.740740741	-0.179989657	1.2E-80	1.27E-79	DN
Pura	0.453551913	0.154958678	-0.298593235	1.33E-21	6.72E-21	DN
Purb	0.791166587	0.430764774	-0.360401813	1.46783034845427E-315	5.47926454314796E-314	DN
Rab10	0.455615333	0.081476766	-0.374138566	6.43224064320719E-319	2.42206147406706E-317	DN
Rab11fip2	1	0.696132597	-0.303867403	2.27E-33	1.41E-32	DN
Rab30	0.557065217	0.118681319	-0.438383899	1.45E-42	1.04E-41	DN
Rab33b	0.972541507	0.869175627	-0.10336588	5.76E-25	3.1E-24	DN
Rab3gap2	0.366471735	0.1	-0.266471735	4.03E-18	1.88E-17	DN
Rab8b	0.967184801	0.607453416	-0.359731385	2.72E-97	3.21E-96	DN
Rabep1	0.524980174	0.202964652	-0.322015522	6.57E-76	6.65E-75	DN
Rac1	0.807758129	0.414044638	-0.393713491	0	0	DN
Rala	0.160783055	0.027432127	-0.133350929	1.99E-85	2.18E-84	DN
Ralgapb	0.886461011	0.359769606	-0.526691405	2.8884065787171E-319	1.09240038777777E-317	DN
Ralgps1	0.842767296	0.407035176	-0.43573212	1.05E-24	5.6E-24	DN
Rap1b	0.921921922	0.685314685	-0.236607237	2.64E-10	9.7E-10	DN
Rap2a	0.828214189	0.44038402	-0.387830169	3.03E-255	8.8E-254	DN
Rap2b	0.814814815	0.21978022	-0.595034595	5.9E-27	3.3E-26	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Rara	0.432223653	0.264284088	-0.167939564	8.54E-68	7.96E-67	DN
Rbm18	0.904464714	0.320344064	-0.584120651	0	0	DN
Rbm27	0.817699115	0.278606965	-0.53909215	3.48E-80	3.67E-79	DN
Rbms1	0.322271245	0.11325073	-0.209020515	0	0	DN
Rbms3	0.877381939	0.37267825	-0.504703688	1.35E-304	4.78E-303	DN
Rbpms	0.713222417	0.280909091	-0.432313326	6.36E-127	9.25E-126	DN
Rc3h1	0.983298539	0.491035281	-0.492263258	9.97E-251	2.86E-249	DN
Rc3h2	0.45	0.017142857	-0.432857143	2.36E-15	1.02E-14	DN
Rcc2	0.767055541	0.480248899	-0.286806643	0	0	DN
Reck	0.813455657	0.180124224	-0.633331434	1.1E-62	9.76E-62	DN
Reep3	0.736754508	0.145141823	-0.591612685	0	0	DN
Rfk	0.970068027	0.772003353	-0.198064674	2.1E-116	2.85E-115	DN
Rgmb	0.356040826	0.095199677	-0.260841149	9.96E-136	1.55E-134	DN
Rgs12	0.256020279	0.103092784	-0.152927495	6.39E-12	2.51E-11	DN
Riok3	0.392721117	0.059322034	-0.333399083	1.39E-239	3.7E-238	DN
Rnf121	0.874624875	0.653246753	-0.221378122	1.21E-82	1.29E-81	DN
Rnf138	0.258139535	0.01902497	-0.239114565	1.94E-53	1.57E-52	DN
Rnf144a	0.96875	0.552	-0.41675	8.23E-80	8.63E-79	DN
Rnf150	0.766310795	0.312544295	-0.4537665	3.78E-100	4.56E-99	DN
Rngtt	0.254001392	0.064139942	-0.18986145	4.77E-45	3.51E-44	DN
Rock2	0.99044586	0.699646643	-0.290799217	3.92E-40	2.7E-39	DN
Rpl15	0.501922021	0.147480106	-0.354441915	2.33E-158	4.19E-157	DN
Rpp38	0	0.926829268	0.926829268	2.03E-10	7.52E-10	UP
Rps6ka3	0.889441877	0.420324714	-0.469117163	2.37E-247	6.67E-246	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Rrm2b	0.979626486	0.715542522	-0.264083964	1.14E-43	8.25E-43	DN
Rrp8	0.977443609	0.749056604	-0.228387005	1.21E-25	6.64E-25	DN
Rsf1	0.534688995	0.13986014	-0.394828855	5.67E-34	3.57E-33	DN
Rsrp1	0.241900648	0.100443131	-0.141457516	1.23E-13	5.11E-13	DN
Rtf1	0.949655172	0.759046778	-0.190608394	3.87E-46	2.88E-45	DN
Rwdd4a	0.490599038	0.042989418	-0.44760962	0	0	DN
Rxra	0.623059867	0.296928328	-0.326131539	7.17E-26	3.95E-25	DN
Samd4	0.817658349	0.073359073	-0.744299276	1.7E-219	4.11E-218	DN
Samd8	0.827806122	0.145970603	-0.681835519	0	0	DN
Sap30bp	0.034285714	0.149405772	0.115120058	5.43E-09	1.89E-08	UP
Sap30l	0.19800235	0.0170053	-0.18099705	0	0	DN
Sar1a	0.344197342	0.107942534	-0.236254807	0	0	DN
Sav1	0.869961977	0.268187423	-0.601774554	0	0	DN
Sc5d	0.930363864	0.706422018	-0.223941846	3.15E-66	2.9E-65	DN
Scamp1	0.35	0.031390135	-0.318609865	0.0000206	0.0000587	DN
Scarb2	0.824709024	0.260143979	-0.564565045	0	0	DN
Scrn1	0.771407571	0.344014085	-0.427393486	3.12E-233	8.08E-232	DN
Scyl2	0.594339623	0.325	-0.269339623	0.000000262	0.000000838	DN
Sdad1	0.948524203	0.477015323	-0.47150888	0	0	DN
Sdc4	0.837899543	0.363823227	-0.474076316	2.11E-128	3.12E-127	DN
Sdccag8	0.329719626	0.575739988	0.246020362	2.81E-58	2.37E-57	UP
Sec22b	0.214422289	0.038217439	-0.17620485	0	0	DN
Sec23ip	0.236139041	0.04356793	-0.192571111	7.02E-137	1.1E-135	DN
Sec24a	0.966903073	0.650056625	-0.316846448	3.36E-103	4.16E-102	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Sec63	0.130470348	0.007391491	-0.123078856	4.54E-302	1.6E-300	DN
Sema3a	0.292993631	0.020366599	-0.272627032	7.62E-22	3.87E-21	DN
Sema5a	0.68951049	0.382660688	-0.306849802	1.61E-30	9.55E-30	DN
Senp8	0.324675325	0.111111111	-0.213564214	0.000000241	0.000000775	DN
Serac1	0.6	0.477911647	-0.122088353	0.003206856	0.007469669	DN
Serinc1	0.894366197	0.234140715	-0.660225482	0	0	DN
Serp1	0.843395678	0.201393642	-0.642002036	0	0	DN
Sfmbt1	0.50625	0.087155963	-0.419094037	4.99E-20	2.43E-19	DN
Sgcd	0.957725948	0.409620991	-0.548104956	3.42E-226	8.55E-225	DN
Sgms1	0.948946136	0.715500327	-0.233445809	8.41E-87	9.29E-86	DN
Sgms2	0.840778923	0.343	-0.497778923	4.37E-111	5.6E-110	DN
Sh2b3	0.298454221	0.103607061	-0.194847161	9.16E-30	5.36E-29	DN
Sh3bgrl	0.378378378	0.640198511	0.261820133	0.0000115	0.0000334	UP
Shoc2	0.895153314	0.388943731	-0.506209582	5.9E-134	8.99E-133	DN
Sipa1l1	0.438095238	0.18579235	-0.252302888	1.76E-18	8.31E-18	DN
Ski	0.914498141	0.233261339	-0.681236802	1.98E-78	2.05E-77	DN
Skil	0.757754801	0.153402062	-0.604352739	0	0	DN
Slain2	0.612188366	0.084337349	-0.527851016	4.33E-184	8.94E-183	DN
Slc18b1	0.806331471	0.693262411	-0.11306906	0.0000159	0.0000457	DN
Slc25a12	0.125134844	0.004106776	-0.121028067	5.83E-42	4.1E-41	DN
Slc25a15	1	0.889423077	-0.110576923	1.28E-08	4.38E-08	DN
Slc25a17	0.408908686	0.290513303	-0.118395383	4.92E-29	2.84E-28	DN
Slc25a36	0.978797468	0.861746847	-0.117050621	6.46E-85	7.04E-84	DN
Slc25a37	0.951943463	0.708480565	-0.243462898	5.7E-114	7.54E-113	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Slc25a46	0.111486486	0	-0.111486486	7.1E-27	3.96E-26	DN
Slc30a1	0.832646331	0.400626959	-0.432019372	3.14E-124	4.46E-123	DN
Slc30a7	0.559693878	0.22521915	-0.334474727	1.53E-89	1.72E-88	DN
Slc31a1	0.329805996	0.065261514	-0.264544482	7.48E-267	2.34E-265	DN
Slc35a3	0.974137931	0.393028846	-0.581109085	1.25E-240	3.38E-239	DN
Slc35e2	0.6	0.192307692	-0.407692308	0.000406355	0.001039762	DN
Slc38a1	0.968668407	0.41356674	-0.555101668	6.19E-76	6.29E-75	DN
Slc38a4	0.486222222	0.064796124	-0.421426098	0	0	DN
Slc39a14	0.448	0.010666667	-0.437333333	2.6E-44	1.89E-43	DN
Slc6a8	0.445675676	0.256870598	-0.188805078	1.68E-127	2.46E-126	DN
Slc7a2	0.876033058	0.509803922	-0.366229136	0.000000736	0.0000023	DN
Slc9a6	0.821720025	0.20702403	-0.614695996	6.44E-286	2.12E-284	DN
Slit3	0.364935065	0.084045584	-0.280889481	1.8E-49	1.38E-48	DN
Slk	0.912766479	0.32	-0.592766479	0	0	DN
Smad4	0.910295617	0.12647672	-0.783818897	0	0	DN
Smarca5	0.249074455	0.041780932	-0.207293523	7.07E-232	1.81E-230	DN
Smc5	0.411569639	0.026880506	-0.384689133	0	0	DN
Smg1	0.991482112	0.849593496	-0.141888617	6.33E-16	2.79E-15	DN
Smim13	0.832900433	0.317955112	-0.514945321	6.93E-168	1.33E-166	DN
Sms	0.125359195	0.024700741	-0.100658454	3.19E-116	4.31E-115	DN
Sox9	0.776200873	0.561278625	-0.214922249	0	0	DN
Spag9	0.893932376	0.318866787	-0.575065589	2.24799285924534E-313	8.28394975438961E-312	DN
Spast	0.99391069	0.884180791	-0.109729899	3.51E-22	1.79E-21	DN
Specc1	0.88209607	0.601366743	-0.280729327	4.57E-37	3E-36	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Sppl2a	0.973737374	0.12	-0.853737374	6.55E-120	9.14E-119	DN
Spred1	0.972826087	0.716748768	-0.256077318	6E-56	4.97E-55	DN
Spryd7	0.454787234	0.219931271	-0.234855963	2.39E-10	8.81E-10	DN
Spty2d1	0.977687627	0.494444444	-0.483243182	4.93E-148	8.25E-147	DN
Srpk1	0.293213828	0.085647243	-0.207566586	3.78E-159	6.83E-158	DN
Srpk2	0.300813008	0.061371841	-0.239441167	2.59E-18	1.22E-17	DN
Srsf5	0.903674634	0.778070464	-0.12560417	8.55E-64	7.65E-63	DN
Srsf7	0.350122618	0.103440151	-0.246682468	6.57E-185	1.36E-183	DN
Ssbp3	0.876682692	0.691390235	-0.185292457	1.72E-77	1.76E-76	DN
Ssh1	0.680225989	0.297101449	-0.383124539	3.52E-66	3.23E-65	DN
Ssr3	0.810021422	0.214941773	-0.595079649	0	0	DN
St13	0.520945772	0.054894785	-0.466050987	0	0	DN
Stk24	0.839318099	0.460008464	-0.379309636	2.69E-185	5.6E-184	DN
Stk39	0.850178359	0.547457627	-0.302720732	2.4E-36	1.56E-35	DN
Strap	0.366162465	0.113205282	-0.252957183	0	0	DN
Stx7	0.732486388	0.245245642	-0.487240747	1.09E-285	3.59E-284	DN
Syf2	0.813272048	0.644628099	-0.168643949	4.9E-62	4.32E-61	DN
Synrg	0.970133883	0.819277108	-0.150856774	6.74E-24	3.55E-23	DN
Sypl	0.901661631	0.285261741	-0.616399891	0	0	DN
Szrd1	0.971819243	0.821171858	-0.150647385	2.52E-159	4.58E-158	DN
Tanc1	0.923678494	0.570363798	-0.353314696	0	0	DN
Tbl1x	0.940506794	0.683655536	-0.256851258	1.92E-113	2.52E-112	DN
Tbl1xr1	0.881612091	0.294871795	-0.586740296	2.92E-52	2.33E-51	DN
Tcf4	0.24137931	0.090909091	-0.150470219	0.001637951	0.003949601	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Tdp2	0.170454545	0.028540066	-0.14191448	2.04E-14	8.65E-14	DN
Tes	0.618243243	0.230218946	-0.388024297	1.27E-221	3.1E-220	DN
Tfap2a	0.263788969	0.079	-0.184788969	7.6E-27	4.24E-26	DN
Tfdp2	0.908045977	0.12173913	-0.786306847	1.78E-31	1.07E-30	DN
Thbs2	0.160163129	0.012120568	-0.148042561	0	0	DN
Thoc2	0.989903626	0.32	-0.669903626	0	0	DN
Timp2	0.916592345	0.477759844	-0.438832501	0	0	DN
Tln2	0.495726496	0.208633094	-0.287093402	2.76E-09	9.78E-09	DN
Tm7sf3	0.4	0.053936494	-0.346063506	0	0	DN
Tm9sf4	0.955995056	0.843528654	-0.112466401	1.55E-257	4.57E-256	DN
Tmbim6	0.833363213	0.468075333	-0.36528788	0	0	DN
Tmcc1	0.418947368	0.102439024	-0.316508344	1.74E-27	9.8E-27	DN
Tmed5	0.790865385	0.570858283	-0.220007101	2.53E-17	1.16E-16	DN
Tmed7	0.606451613	0.036797361	-0.569654252	0	0	DN
Tmem106b	0.960740145	0.23755701	-0.723183135	0	0	DN
Tmem110	0.207902164	0.040967423	-0.16693474	7.77E-47	5.82E-46	DN
Tmem18	0.967009194	0.475247525	-0.491761669	3.48E-243	9.5E-242	DN
Tmem183a	0.377070477	0.064803313	-0.312267165	1.6E-264	4.92E-263	DN
Tmem263	0.897727273	0.289617486	-0.608109786	1.28E-43	9.24E-43	DN
Tmem33	0.444306161	0.07642903	-0.36787713	5.34E-132	8.06E-131	DN
Tmem38b	0.541755889	0.0995671	-0.442188789	1.5E-32	9.17E-32	DN
Tmem55a	0.451780822	0.068775236	-0.383005586	0	0	DN
Tmem64	0.720255369	0.360119048	-0.360136321	8.66E-59	7.37E-58	DN
Tmem65	0.831765935	0.15625	-0.675515935	0	0	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Tmem8	0.789020452	0.670967742	-0.11805271	2.59E-12	1.04E-11	DN
Tmem9b	0.725546253	0.461774286	-0.263771967	1.81E-162	3.37E-161	DN
Tmod3	0.5657277	0.096178076	-0.469549623	4.71E-161	8.73E-160	DN
Tmpo	0.859473024	0.385357299	-0.474115724	3.7E-259	1.11E-257	DN
Tmsb10	0.638975155	0.502617801	-0.136357354	2.08E-23	1.08E-22	DN
Tmx1	0.6	0.014721346	-0.585278654	7.97E-58	6.69E-57	DN
Tmx3	0.970588235	0.372013652	-0.598574583	8.53E-129	1.26E-127	DN
Tnks2	0.67431694	0.102003163	-0.572313777	3.71E-268	1.16E-266	DN
Tnrc6b	0.418742586	0.048794012	-0.369948574	1.63E-152	2.82E-151	DN
Tns1	0.848698315	0.418617461	-0.430080855	5.02067431387285E-313	1.84226700461804E-311	DN
Tomm70a	0.354357289	0.07074338	-0.283613909	0	0	DN
Tpp1	0.412066439	0.214092141	-0.197974298	3.91E-70	3.75E-69	DN
Tpp2	0.344406448	0.116268382	-0.228138066	7.66E-72	7.46E-71	DN
Traf3	0.945711183	0.637387387	-0.308323796	5.92E-64	5.31E-63	DN
Traf6	0.962962963	0.176870748	-0.786092215	1.78E-15	7.78E-15	DN
Tram1	0.849993882	0.682858803	-0.167135079	2.22E-146	3.67E-145	DN
Trim2	0.872180451	0.581196581	-0.29098387	1.22E-19	5.89E-19	DN
Trim24	0.155727156	0.010079194	-0.145647962	3.7E-53	2.99E-52	DN
Trim33	0.952978056	0.710144928	-0.242833129	4.07E-15	1.75E-14	DN
Trim44	0.868204928	0.682604736	-0.185600192	3.63E-54	2.96E-53	DN
Tsc1	0.939300807	0.395313184	-0.543987622	0	0	DN
Tshz3	0.920152091	0.327868852	-0.592283239	7.82E-55	6.41E-54	DN
Tspan11	0.491154562	0.355840648	-0.135313914	6.19E-16	2.73E-15	DN
Tspan9	0.735858026	0.234946049	-0.500911976	0	0	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Ttc39b	0.571808511	0.140271493	-0.431537017	9.46E-48	7.17E-47	DN
Uba6	0.950886767	0.388994307	-0.561892459	5.47E-113	7.15E-112	DN
Ube2a	0.387215452	0.087382161	-0.299833291	2.01E-286	6.63E-285	DN
Ube2d3	0.142583732	0.015398282	-0.12718545	3.1E-78	3.2E-77	DN
Ube2i	0.956768249	0.856441316	-0.100326933	6.73E-135	1.04E-133	DN
Ube2n	0.430970149	0.149171271	-0.281798879	7.72E-20	3.75E-19	DN
Ube2q2	0.361904762	0.091193004	-0.270711758	2.6E-43	1.87E-42	DN
Ube2v2	0.291814947	0.033333333	-0.258481613	5.6E-19	2.66E-18	DN
Ube3a	0.767857143	0.202898551	-0.564958592	1.34E-65	1.22E-64	DN
Ube3c	0.416841088	0.097414495	-0.319426593	0	0	DN
Ubn2	0.944444444	0.815028902	-0.129415543	0.0000805	0.000219133	DN
Ubqln1	0.851229161	0.338113377	-0.513115784	0	0	DN
Ubr1	0.937360179	0.522681452	-0.414678727	3.14E-196	6.89E-195	DN
Ubr3	0.602636535	0.125	-0.477636535	4.48E-78	4.61E-77	DN
Ubtd2	0.926166902	0.461827957	-0.464338945	1.18369572662928E-314	4.39957252184325E-313	DN
Ubxn4	0.905660377	0.637254902	-0.268405475	7.87E-26	4.33E-25	DN
Ulk2	0.920366455	0.336513443	-0.583853012	1.18E-227	2.96E-226	DN
Uqcc1	0.771529689	0.330783939	-0.440745751	3.42E-266	1.06E-264	DN
Uri1	0.987873888	0.814498934	-0.173374955	1.92E-36	1.25E-35	DN
Usp32	0.81637931	0.084032512	-0.732346799	0	0	DN
Usp47	0.162654849	0.018304563	-0.144350287	0	0	DN
Uxs1	0.853865493	0.560415122	-0.293450371	1.1E-139	1.75E-138	DN
Vcam1	0.717592593	0.401260504	-0.316332088	5.77E-22	2.93E-21	DN
Vcan	0.942660099	0.543527631	-0.399132468	0	0	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Vcpkmt	0.620657277	0.432515337	-0.18814194	3.69E-14	1.55E-13	DN
Vdac2	0.9527897	0.850726552	-0.102063147	2.6E-15	1.13E-14	DN
Vezf1	0.614005602	0.295685279	-0.318320323	4.69E-51	3.68E-50	DN
Vldlr	0.137896494	0.013416387	-0.124480107	1.7E-66	1.57E-65	DN
Wapl	0.520721599	0.094807051	-0.425914548	2.45E-208	5.72E-207	DN
Wbp4	0.357827476	0.096975294	-0.260852182	4.12E-148	6.93E-147	DN
Wdfy3	1	0.864426419	-0.135573581	2.51E-58	2.12E-57	DN
Wdr26	0.404795773	0.14229249	-0.262503283	7.26E-128	1.07E-126	DN
Wdr43	0.80465521	0.402401372	-0.402253838	5.53E-278	1.77E-276	DN
Wdr5	0.949550129	0.478067633	-0.471482496	0	0	DN
Wipi2	0.809993831	0.350620068	-0.459373763	0	0	DN
Wisp1	0.578653337	0.436076759	-0.142576578	9.99E-99	1.19E-97	DN
Wnk1	0.887226588	0.49397294	-0.393253649	0	0	DN
Wwtr1	0.508005193	0.078507305	-0.429497888	0	0	DN
Xpo7	0.569091935	0.218252777	-0.350839158	0	0	DN
Xpot	0.950295858	0.60703076	-0.343265098	1E-171	1.96E-170	DN
Yap1	0.935152582	0.611204772	-0.32394781	0	0	DN
Yipf6	0.201657459	0.025962399	-0.175695059	1.9E-25	1.03E-24	DN
Ywhab	0.535113893	0.107172043	-0.427941849	0	0	DN
Yy1	0.570019724	0.14004914	-0.429970584	2.19E-84	2.38E-83	DN
Zadh2	0.943478261	0.724358974	-0.219119287	3.06E-60	2.65E-59	DN
Zbtb25	0.174344437	0.020112631	-0.154231806	6.84E-45	5.02E-44	DN
Zc2hc1a	0.645404664	0.164524422	-0.480880242	4.13E-143	6.71E-142	DN
Zc3h7b	0.696191625	0.25334046	-0.442851165	0	0	DN

gene_symbol	*PDUI*-si_NC	*PDUI*-si_*Cpsf6*	delta_*PDUI*	pvalue	fdr	APAreg
Zdhhc20	0.86443203	0.283101045	-0.581330984	0	0	DN
Zdhhc21	0.984251969	0.12191358	-0.862338388	3.63E-190	7.8E-189	DN
Zdhhc3	0.301369863	0.19509476	-0.106275103	0.000000742	0.00000231	DN
Zfp236	0.724137931	0.154929577	-0.569208354	2.96E-23	1.54E-22	DN
Zfp365	0.84079602	0.251595745	-0.589200275	9.29E-240	2.49E-238	DN
Zfp592	0.730720607	0.233870968	-0.496849639	3.75E-70	3.61E-69	DN
Zfp652	0.557206538	0.251805054	-0.305401484	9.93E-54	8.08E-53	DN
Zfp654	0.691780822	0.30958231	-0.382198512	3.57E-29	2.06E-28	DN
Zfr	0.910518053	0.330369677	-0.580148376	0	0	DN
Zmpste24	0.630401235	0.400887574	-0.229513661	2.64E-38	1.76E-37	DN
Zmym2	0.445475638	0.110799439	-0.334676199	2.07E-58	1.75E-57	DN
Zmynd11	0.940796555	0.719376392	-0.221420163	9.21E-160	1.68E-158	DN
Zxdb	0.21875	0.035532995	-0.183217005	3.16E-44	2.3E-43	DN
Zyg11b	0.932866557	0.334388186	-0.598478371	0	0	DN
1600012H06Rik	0.902970297029703	0.376940133037694	-0.526030164	1.35430754747401E-95	1.58455820649503E-94	DN
1700025G04Rik	0.810055865921788	0.243093922651934	-0.566961943	3.51489302119004E-37	2.31542570830571E-36	DN
5031439G07Rik	0.418517860316332	0.166645136287301	-0.251872724	1.13776284113021E-227	2.87710527245331E-226	DN