

Probe ID	Symbol	Accession number	d.log2exp	fold-change	Stress	Ctrl	P.perm	FDR.Group	Function
ILMN_1249000	ECRG	NM_024283	-0.774	0.585	2.289	3.062	0.000	0.000	Cell cycle regulation, senescence
ILMN_2634222	EFS	NM_010112	-1.015	0.495	2.314	3.330	0.000	0.000	Immune response
ILMN_2443330	TTR	NM_013697	-0.965	0.512	3.778	4.743	0.000	0.000	Thyroxine carrier, neuroprotection
ILMN_2772998	ENPP2	NM_015744	-0.687	0.621	2.883	3.571	0.000	0.000	Neural stem cell proliferation/survival
ILMN_2642800	SOSTDC1	NM_025312	-0.665	0.631	2.306	2.971	0.000	0.001	Neural stem cell proliferation/survival
ILMN_2667635	CLIC6	NM_172469	-0.582	0.668	2.291	2.873	0.000	0.002	Water homeostatis
ILMN_2756486	AQP1	NM_007472	-0.566	0.676	2.242	2.808	0.000	0.003	Water homeostatis
ILMN_1244096	9630050M13RIK	NM_001081161	0.499	1.413	2.973	2.474	0.000	0.007	Unknown
ILMN_1236758	WFDC2	NM_026323	-0.461	0.727	2.270	2.730	0.000	0.014	Innate immune response
ILMN_2771237	LBP	NM_008489	-0.348	0.786	2.186	2.535	0.000	0.099	Innate immune response
ILMN_2639849	CBLN4	NM_175631	-0.327	0.797	2.477	2.804	0.000	0.145	
ILMN_1241001	EIF2S3Y	NM_012011	-0.309	0.807	2.684	2.993	0.001	0.189	
ILMN_1226356	AI427515	NM_173016	-0.294	0.816	2.931	3.225	0.001	0.253	
ILMN_2508745	ZFYVE21	NM_026752	-0.288	0.819	2.719	3.007	0.001	0.253	
ILMN_1258692	A730098D12RIK	NM_177680	0.287	1.220	2.892	2.606	0.001	0.253	
ILMN_2766244	MDH2	NM_008617	-0.280	0.823	3.140	3.420	0.001	0.290	
ILMN_2617005	PRLR	NM_011169	-0.267	0.831	2.303	2.570	0.001	0.365	
ILMN_2691752	OTX2	NM_144841	-0.260	0.835	2.171	2.431	0.002	0.401	
ILMN_2599997	NCOR1	NM_011308	0.254	1.193	3.062	2.808	0.002	0.436	
ILMN_2775885	CALM2	NM_007589	-0.248	0.842	3.351	3.599	0.002	0.460	
ILMN_2633229	ATP5A1	NM_007505	-0.249	0.841	3.182	3.431	0.002	0.460	
ILMN_1252953	CBLN1	NM_019626	-0.243	0.845	2.606	2.849	0.003	0.472	
ILMN_2461018	LDLR	NM_010700	0.242	1.182	3.005	2.763	0.003	0.472	
ILMN_1253544	2900060B14RIK	NR_027901	0.242	1.183	2.978	2.736	0.003	0.472	
ILMN_2457835	SIN3B	NM_009188	0.236	1.178	3.457	3.221	0.003	0.538	
ILMN_2706269	HSPB1	NM_013560	0.232	1.174	2.582	2.350	0.004	0.561	
ILMN_2707541	FOLR1	NM_008034	-0.228	0.854	2.245	2.472	0.004	0.566	
ILMN_2607196	0910001A06RIK	NM_144846	-0.226	0.855	3.075	3.301	0.004	0.566	
ILMN_1242377	PTDSR	NM_033398	0.227	1.170	3.275	3.048	0.004	0.566	
ILMN_2582084	PLEKHC1	NM_146054	0.225	1.169	3.542	3.317	0.004	0.566	
ILMN_1247504	SNAP91	NM_013669	-0.225	0.855	2.626	2.851	0.004	0.566	
ILMN_3162081	WDR6	NM_031392	-0.221	0.858	2.814	3.035	0.005	0.607	
ILMN_2640927	SLC23A2	NM_018824	-0.218	0.860	2.821	3.039	0.005	0.640	
ILMN_1255479	CLDN2	NM_016675	-0.215	0.862	2.192	2.407	0.006	0.649	
ILMN_2638055	FASN	NM_007988	-0.215	0.861	3.484	3.699	0.006	0.649	
ILMN_2588055	ACTB	NM_007393	0.214	1.160	2.741	2.527	0.006	0.649	
ILMN_2619848	TFRC	NM_011638	-0.213	0.863	2.910	3.123	0.006	0.667	
ILMN_1236788	IGFBP2	NM_008342	-0.210	0.864	2.341	2.551	0.006	0.688	
ILMN_1253148	KL	NM_013823	-0.210	0.865	2.405	2.614	0.007	0.696	
ILMN_2595612	IDH2	NM_173011	-0.206	0.867	2.886	3.092	0.007	0.743	
ILMN_2717514	RBP1	NM_011254	-0.203	0.869	2.528	2.731	0.008	0.796	
ILMN_2671473	C1QL2	NM_207233	0.203	1.151	3.310	3.108	0.008	0.796	
ILMN_1222167	GRIA2	NM_001039195	0.198	1.147	3.721	3.523	0.009	0.882	
ILMN_2623216	PGRMC1	NM_016783	-0.197	0.873	2.959	3.155	0.010	0.884	
ILMN_2491186	ZIC1	NM_009573	-0.195	0.874	2.464	2.659	0.010	0.884	

ILMN_1256408	TSHZ2	NM_080455	0.195	1.145	2.650	2.454	0.010	0.884
ILMN_2629112	ASAH3L	NM_139306	-0.194	0.874	2.390	2.584	0.010	0.884
ILMN_1212907	D430039N05RIK	NM_175514	-0.193	0.875	3.246	3.439	0.010	0.894
ILMN_1245795	AHCYL1	NM_145542	-0.191	0.876	2.947	3.139	0.011	0.951
ILMN_2450884	SPCS3	NM_029701	0.191	1.141	3.335	3.144	0.012	0.954
ILMN_2494251	TUBA1	NM_011653	-0.189	0.877	3.418	3.607	0.012	0.962
ILMN_2687797	CRYAB	NM_009964	0.188	1.139	3.385	3.197	0.012	0.963
ILMN_1233146	RASGRF1	NM_011245	-0.184	0.881	4.243	4.426	0.014	0.998
ILMN_2481362	UST	NM_177387	0.183	1.135	3.530	3.348	0.014	0.998
ILMN_2602257	TMEM68	NM_028097	-0.180	0.883	2.995	3.175	0.015	0.998
ILMN_2617496	DEK	NM_025900	-0.180	0.882	2.438	2.619	0.016	0.998
ILMN_2729364	GLRA2	NM_183427	-0.180	0.883	2.534	2.714	0.016	0.998
ILMN_1243751	3110004L20RIK	NM_001033167	0.179	1.132	3.473	3.295	0.016	0.998
ILMN_1249049	MRPL19	NM_026490	-0.179	0.883	2.731	2.910	0.016	0.998
ILMN_1250562	SC4MOL	NM_025436	-0.178	0.884	2.876	3.054	0.016	0.998
ILMN_2456435	DGKG	NM_138650	0.178	1.131	3.991	3.813	0.017	0.998
ILMN_1229368	6720463L11RIK	NR_036615	0.175	1.129	3.009	2.834	0.018	0.998
ILMN_2750428	TIMM44	NM_011592	-0.175	0.886	2.698	2.873	0.018	0.998
ILMN_2776922	GLRX1	NM_053108	-0.174	0.886	2.703	2.877	0.018	0.998
ILMN_1218051	IQGAP2	NM_027711	0.173	1.127	3.275	3.102	0.020	0.998
ILMN_2510694	NME7	NM_138314	0.172	1.126	4.661	4.490	0.020	0.998
ILMN_1225386	2300009A05RIK	NM_027090	-0.172	0.888	3.165	3.336	0.020	0.998
ILMN_1259946	CDC42SE1	NM_172395	-0.172	0.888	3.182	3.354	0.020	0.998
ILMN_2462901	C230098I05RIK	NM_001101488	-0.172	0.888	2.628	2.800	0.020	0.998
ILMN_2702508	EBNA1BP2	NM_026932	-0.170	0.889	2.680	2.850	0.021	0.998
ILMN_2677056	1500003O03RIK	NM_019769	-0.171	0.888	3.561	3.732	0.021	0.998
ILMN_2520582	PLXNA4	NM_175750	0.170	1.125	2.817	2.647	0.021	0.998
ILMN_3160817	CTSD	NM_009983	-0.169	0.889	2.789	2.958	0.021	0.998
ILMN_2772582	SMAD3	NM_016769	0.170	1.125	3.240	3.070	0.021	0.998
ILMN_1220912	SLC4A7	NM_001033270	0.169	1.124	3.042	2.873	0.022	0.998
ILMN_1215624	GPR88	NM_022427	-0.169	0.889	2.336	2.506	0.022	0.998
ILMN_2493030	2310043N10RIK	NR_003513	-0.168	0.890	2.847	3.015	0.023	0.998
ILMN_2684875	FXC1	NM_019502	-0.168	0.890	2.457	2.625	0.023	0.998
ILMN_1223387	2810046M22RIK	NM_001081441	-0.167	0.891	2.293	2.460	0.023	0.998
ILMN_1231651	LANCL2	NM_133737	-0.167	0.891	2.463	2.630	0.023	0.998
ILMN_1250569	RAPGEFL1	NM_001080925	0.167	1.123	3.902	3.735	0.023	0.998
ILMN_2658067	1700001L19RIK	NM_027035	-0.166	0.891	2.525	2.691	0.024	0.998
ILMN_1235411	B230219D22RIK	NM_181278	-0.166	0.891	2.882	3.048	0.024	0.998
ILMN_1220739	NSG2	NM_008741	-0.166	0.891	3.594	3.760	0.024	0.998
ILMN_1235361	LOC244911	NM_001081314	0.166	1.122	2.788	2.622	0.024	0.998
ILMN_2723631	HINT1	NM_008248	0.166	1.122	3.850	3.684	0.024	0.998
ILMN_2777087	MIA1	NM_019394	-0.165	0.892	2.482	2.647	0.025	0.998
ILMN_1234257	GTF3C2	NM_027901	0.165	1.121	3.121	2.956	0.025	0.998
ILMN_1241171	ANXA3	NM_013470	0.164	1.121	2.698	2.534	0.025	0.998
ILMN_1227012	NDUFB4	NM_026610	-0.163	0.893	2.784	2.947	0.026	0.998
ILMN_1234072	PDLIM1	NM_016861	0.163	1.120	2.679	2.515	0.026	0.998

ILMN_1245918	MAP3K7IP1	NM_025609	0.163	1.119	3.222	3.060	0.026	0.998
ILMN_1219169	GFER	NM_023040	0.163	1.119	3.165	3.002	0.026	0.998
ILMN_1239557	UGT8A	NM_011674	0.162	1.119	3.031	2.869	0.026	0.998
ILMN_2709891	CLDN1	NM_016674	-0.162	0.894	2.384	2.546	0.027	0.998
ILMN_2777706	MRPS12	NM_011885	0.162	1.119	3.431	3.269	0.027	0.998
ILMN_1230586	TRAF1	NM_009421	0.162	1.119	2.381	2.219	0.027	0.998
ILMN_1240075	PDCD7	NM_016688	0.161	1.118	2.684	2.522	0.027	0.998
ILMN_2512429	ZFP312	NM_080433	0.160	1.118	3.588	3.428	0.028	0.998
ILMN_1253131	NAP1L1	NM_001146707	-0.160	0.895	2.818	2.977	0.029	0.998
ILMN_2760977	IMPACT	NM_008378	-0.159	0.895	3.331	3.490	0.029	0.998
ILMN_2651886	LOC668435	NM_008828	-0.159	0.896	3.589	3.748	0.029	0.998
ILMN_1221494	UBTD2	NM_173784	-0.159	0.896	2.514	2.673	0.029	0.998
ILMN_1249637	PEG13	NR_002864	0.160	1.117	3.110	2.950	0.029	0.998
ILMN_2666999	2610528K11RIK	NM_175184	-0.159	0.896	2.802	2.960	0.029	0.998
ILMN_2714936	MKI67IP	NM_026472	-0.159	0.896	2.704	2.863	0.030	0.998
ILMN_1237216	LOC627375	NM_016957	-0.159	0.896	3.166	3.325	0.030	0.998
ILMN_1377918	UBC	NM_019639	0.159	1.116	3.960	3.801	0.030	0.998
ILMN_2691478	CCKBR	NM_007627	-0.158	0.896	2.726	2.884	0.030	0.998
ILMN_2761594	CIRBP	NM_007705	-0.158	0.896	2.561	2.719	0.030	0.998
ILMN_2445324	ZFPM1	NM_009569	0.157	1.115	3.476	3.319	0.031	0.998
ILMN_2668927	APOD	NM_007470	0.157	1.115	2.829	2.672	0.031	0.998
ILMN_2476140	TUBA1C	NM_009448	-0.157	0.897	2.479	2.636	0.031	0.998
ILMN_2518132	9630033F20RIK	NM_177003	0.157	1.115	3.180	3.023	0.031	0.998
ILMN_1243212	SPARC	NM_009242	-0.157	0.897	2.792	2.949	0.031	0.998
ILMN_1254358	IGFBP5	NM_010518	-0.157	0.897	3.256	3.413	0.031	0.998
ILMN_2765513	KIF3A	NM_008443	0.156	1.114	3.469	3.313	0.032	0.998
ILMN_1229769	SYNE1	NM_153399	0.156	1.114	3.463	3.307	0.033	0.998
ILMN_2698949	IPO11	NM_029665	-0.155	0.898	3.085	3.240	0.033	0.998
ILMN_2774701	UBE2Z	NM_172300	-0.156	0.898	2.431	2.587	0.033	0.998
ILMN_2763731	CDC42BPB	NM_183016	-0.155	0.898	3.021	3.176	0.033	0.998
ILMN_2498357	PRKCBP1	NM_027230	0.154	1.113	3.784	3.630	0.033	0.998
ILMN_2727520	COX8B	NM_007751	-0.154	0.898	2.303	2.457	0.033	0.998
ILMN_1237507	DLST	NM_030225	-0.154	0.899	3.141	3.295	0.034	0.998
ILMN_2629747	DHX9	NM_007842	-0.154	0.899	2.622	2.776	0.034	0.998
ILMN_2678714	ID4	NM_031166	-0.154	0.899	2.517	2.670	0.034	0.998
ILMN_2426833	WDR60	NM_146039	-0.154	0.899	2.335	2.489	0.035	0.998
ILMN_1237640	CNIH	NM_009919	-0.154	0.899	2.721	2.874	0.035	0.998
ILMN_1224664	FBXL11	NM_001001984	0.154	1.113	3.067	2.913	0.035	0.998
ILMN_1241910	PSMD6	NM_025550	-0.153	0.899	2.360	2.513	0.035	0.998
ILMN_2747897	NDUFS3	NM_026688	-0.153	0.899	3.416	3.568	0.036	0.998
ILMN_2703657	DLD	NM_007861	-0.153	0.900	2.538	2.690	0.036	0.998
ILMN_1216847	GPD1	NM_010271	0.153	1.112	3.795	3.642	0.036	0.998
ILMN_2596761	LOC636633	NM_025364	-0.153	0.900	2.580	2.732	0.036	0.998
ILMN_2516699	UBB	NM_011664	0.152	1.111	4.800	4.648	0.036	0.998
ILMN_2712900	SARS	NM_011319	-0.152	0.900	2.617	2.769	0.036	0.998
ILMN_1244923	APBA2	NM_007461	0.152	1.111	3.111	2.959	0.036	0.998

ILMN_1246824	2610304F08RIK	NM_181819	-0.152	0.900	2.252	2.404	0.037	0.998
ILMN_2591632	GTF2E1	NM_028812	-0.152	0.900	2.811	2.963	0.037	0.998
ILMN_2760840	PPP1R8	NM_146154	-0.151	0.901	2.614	2.765	0.037	0.998
ILMN_2650289	RIN1	NM_145495	0.151	1.110	3.287	3.136	0.038	0.998
ILMN_1255493	1810063B07RIK	NM_026209	0.151	1.110	3.000	2.850	0.038	0.998
ILMN_1257281	SCFD1	NM_029825	-0.151	0.901	2.585	2.735	0.038	0.998
ILMN_1241976	UBADC1	NM_133835	-0.150	0.901	2.554	2.704	0.039	0.998
ILMN_1218347	MYLK	NM_139300	0.150	1.109	2.977	2.827	0.040	0.998
ILMN_2490479	YWHAB	NM_018753	-0.149	0.902	3.830	3.978	0.040	0.998
ILMN_2744560	RAB33B	NM_016858	-0.149	0.902	2.855	3.005	0.040	0.998
ILMN_1217768	2600003E23RIK	NM_027373	0.148	1.108	3.019	2.871	0.041	0.998
ILMN_1248438	FLYWCH1	NM_153791	0.148	1.108	3.183	3.035	0.041	0.998
ILMN_1215740	ZFP46	NM_009557	-0.148	0.903	3.156	3.304	0.041	0.998
ILMN_1237075	ETFA	NM_145615	-0.147	0.903	2.949	3.097	0.041	0.998
ILMN_1231868	2600005N12RIK	NM_197995	-0.148	0.902	2.756	2.904	0.042	0.998
ILMN_1256563	GLT25D1	NM_146211	-0.147	0.903	2.844	2.991	0.042	0.998
ILMN_2729447	9030612M13RIK	NM_172458	0.148	1.108	2.881	2.733	0.042	0.998
ILMN_1239180	BC021395	NM_144861	0.147	1.107	3.341	3.193	0.042	0.998
ILMN_1243095	VBP1	NM_011692	-0.147	0.903	2.753	2.900	0.042	0.998
ILMN_2740392	ANAPC4	NM_024213	-0.147	0.903	2.978	3.124	0.043	0.998
ILMN_2716756	DCN	NM_001190451	-0.147	0.903	2.480	2.627	0.043	0.998
ILMN_2444886	RLF	NM_001081013	0.146	1.107	3.116	2.970	0.043	0.998
ILMN_2740222	ZFP644	NM_026856	0.146	1.107	3.051	2.905	0.043	0.998
ILMN_1254437	SLC31A1	NM_175090	-0.146	0.903	2.694	2.840	0.043	0.998
ILMN_2523848	TAOK1	NM_144825	0.147	1.107	2.679	2.532	0.043	0.998
ILMN_1229029	DLX1	NM_010053	-0.146	0.904	2.614	2.760	0.043	0.998
ILMN_2740000	B2M	NM_009735	-0.146	0.904	2.900	3.046	0.043	0.998
ILMN_1215713	EGR4	NM_020596	-0.146	0.904	2.926	3.072	0.044	0.998
ILMN_2714031	ERRFI1	NM_133753	-0.146	0.904	3.034	3.180	0.044	0.998
ILMN_1257919	SEPT3	NM_011889	0.146	1.107	2.459	2.312	0.044	0.998
ILMN_1260196	PRKAR2A	NM_008924	-0.146	0.904	2.467	2.612	0.044	0.998
ILMN_1217191	FMN2	NM_019445	-0.145	0.904	2.663	2.808	0.045	0.998
ILMN_2686327	GAS6	NM_019521	-0.145	0.904	2.977	3.122	0.045	0.998
ILMN_2657478	CD53	NM_007651	-0.145	0.905	2.346	2.490	0.045	0.998
ILMN_2751228	NUDCD2	NM_026023	-0.144	0.905	2.384	2.528	0.045	0.998
ILMN_2644229	KCND2	NM_019697	-0.144	0.905	3.290	3.434	0.046	0.998
ILMN_2675097	SPIN1	NM_011462	-0.145	0.904	3.087	3.232	0.046	0.998
ILMN_2745251	CLK4	NM_007714	-0.144	0.905	2.668	2.812	0.046	0.998
ILMN_1245504	HMGB1	NM_010439	-0.144	0.905	2.797	2.942	0.047	0.998
ILMN_2743633	CABP1	NM_013879	0.143	1.105	2.794	2.650	0.047	0.998
ILMN_2751075	GNA11	NM_010301	-0.143	0.905	3.063	3.207	0.047	0.998
ILMN_1239042	ANKHD1	NM_175375	0.143	1.104	2.511	2.368	0.048	0.998
ILMN_1244045	KLF3	NM_008453	0.143	1.104	3.133	2.990	0.048	0.998
ILMN_2712867	TIMP2	NM_011594	-0.142	0.906	3.546	3.688	0.049	0.998
ILMN_1246139	CLDN11	NM_008770	0.142	1.104	4.185	4.043	0.049	0.998
ILMN_2745741	MARCH6	NM_172606	-0.142	0.906	2.608	2.751	0.049	0.998

ILMN_2523316	UNC5B	NM_029770	0.142	1.103	2.812	2.670	0.049	0.998
ILMN_2639674	PCSK2	NM_008792	-0.142	0.906	3.408	3.550	0.049	0.998
ILMN_2672597	GNG10	NM_025277	-0.142	0.906	2.994	3.136	0.049	0.998
ILMN_1234112	TOMM70A	NM_138599	-0.142	0.906	2.795	2.937	0.049	0.998
ILMN_2724415	1810037C20RIK	NM_025473	-0.142	0.906	2.643	2.785	0.050	0.998
ILMN_3162388	BBS5	NM_028284	-0.141	0.907	2.690	2.831	0.050	0.998
ILMN_1218169	MLL1	NM_001081049	0.141	1.103	3.479	3.337	0.050	0.998
ILMN_1237846	BRP44	NM_027430	-0.142	0.906	2.955	3.097	0.050	0.998