

Supplementary information**TableS4. Differentially expressed genes among macaque Astrocyte, NSC1 and NSC2**

	p_val	avg_log2FC	pct.1	pct.2	p_val_adj	cluster	gene
ECT2L	3.24E-06	0.27136656	0.156	0.12	0.04432593	Astrocyte	ECT2L
DOCK10	3.10E-06	0.25559368	0.33	0.292	0.04237988	Astrocyte	DOCK10
ANKRD6	2.30E-06	0.2697472	0.138	0.104	0.031452	Astrocyte	ANKRD6
EFTUD2	1.79E-06	0.40280697	0.201	0.165	0.02454095	Astrocyte	EFTUD2
SLC24A4	1.73E-06	0.29009574	0.118	0.086	0.02361861	Astrocyte	SLC24A4
CSMD2	1.46E-06	0.26851538	0.365	0.332	0.01993495	Astrocyte	CSMD2
ITGA6	3.23E-07	0.26996512	0.404	0.372	0.00441745	Astrocyte	ITGA6
PLXNA4	2.79E-07	0.27109524	0.395	0.362	0.0038194	Astrocyte	PLXNA4
SOX61	2.29E-07	0.2501506	0.527	0.51	0.00313106	Astrocyte	SOX6
MYO18A	2.05E-07	0.28983665	0.311	0.271	0.00280898	Astrocyte	MYO18A
ZSWIM5	1.86E-07	0.2698357	0.442	0.409	0.00254302	Astrocyte	ZSWIM5
KCTD15	1.81E-07	0.26019247	0.229	0.185	0.00247679	Astrocyte	KCTD15
AMPH	1.66E-07	0.28931547	0.23	0.188	0.00226889	Astrocyte	AMPH
LPCAT4	1.44E-07	0.31160277	0.221	0.177	0.00196788	Astrocyte	LPCAT4
NETO2	1.38E-07	0.29172289	0.296	0.253	0.00189354	Astrocyte	NETO2
LRRC4C	1.21E-07	0.27121767	0.298	0.247	0.00165883	Astrocyte	LRRC4C
FBXL2	9.79E-08	0.28957907	0.119	0.082	0.00133856	Astrocyte	FBXL2
CPNE2	8.70E-08	0.33432407	0.197	0.156	0.00119059	Astrocyte	CPNE2
KREMEN1	6.60E-08	0.31473296	0.244	0.199	0.00090332	Astrocyte	KREMEN1
COLGALT2	6.27E-08	0.26633037	0.165	0.123	0.00085827	Astrocyte	COLGALT2
SUSD4	4.59E-08	0.27937804	0.264	0.216	0.00062771	Astrocyte	SUSD4
SPOCK3	3.44E-08	0.28039688	0.415	0.373	0.00047054	Astrocyte	SPOCK3
PITPNM2	3.31E-08	0.31021033	0.271	0.224	0.00045305	Astrocyte	PITPNM2
SLC39A11	2.59E-08	0.412219	0.455	0.424	0.0003548	Astrocyte	SLC39A11
NRG2	2.31E-08	0.25188359	0.342	0.29	0.00031607	Astrocyte	NRG2
SLIT1	2.03E-08	0.30112991	0.231	0.183	0.00027705	Astrocyte	SLIT1
ADCY2	2.00E-08	0.29558044	0.625	0.623	0.00027289	Astrocyte	ADCY2
RIPK2	1.23E-08	0.28795307	0.161	0.117	0.00016798	Astrocyte	RIPK2
SLC24A2	6.86E-09	0.28255035	0.406	0.36	9.38E-05	Astrocyte	SLC24A2
GAB2	5.35E-09	0.31619627	0.416	0.372	7.31E-05	Astrocyte	GAB2
PCDHB4	5.02E-09	0.31590249	0.106	0.068	6.86E-05	Astrocyte	PCDHB4
SRPX1	4.65E-09	0.28887055	0.15	0.105	6.36E-05	Astrocyte	SRPX
AKAP61	4.36E-09	0.2735289	0.543	0.519	5.96E-05	Astrocyte	AKAP6
SORD	4.17E-09	0.31077009	0.139	0.095	5.70E-05	Astrocyte	SORD
STK33	3.72E-09	0.36096529	0.218	0.168	5.09E-05	Astrocyte	STK33
GRAMD2B	8.22E-10	0.26290812	0.706	0.708	1.12E-05	Astrocyte	GRAMD2B
PPP1R9A	4.86E-10	0.25236889	0.507	0.462	6.64E-06	Astrocyte	PPP1R9A
MEGF9	4.48E-10	0.37022028	0.321	0.268	6.13E-06	Astrocyte	MEGF9
SDCCAG8	3.65E-10	0.29335295	0.632	0.618	4.99E-06	Astrocyte	SDCCAG8
ST6GAL1	1.94E-10	0.31819916	0.105	0.064	2.65E-06	Astrocyte	ST6GAL1
CD109	1.55E-10	0.31901378	0.135	0.088	2.12E-06	Astrocyte	CD109
ADCY8	1.05E-10	0.34904925	0.369	0.313	1.43E-06	Astrocyte	ADCY8
ABCC8	9.24E-11	0.275931	0.101	0.06	1.26E-06	Astrocyte	ABCC8

RASGRP1	9.03E-11	0.34334495	0.188	0.135	1.23E-06	Astrocyte	RASGRP1
AHNAK1	6.55E-11	0.32511333	0.199	0.144	8.95E-07	Astrocyte	AHNAK
ADCY1	4.66E-11	0.32634584	0.15	0.1	6.38E-07	Astrocyte	ADCY1
KCNT2	4.64E-11	0.30673655	0.424	0.368	6.34E-07	Astrocyte	KCNT2
CLIC4	3.99E-11	0.34485194	0.196	0.141	5.45E-07	Astrocyte	CLIC4
TNFSF4	3.88E-11	0.26545061	0.608	0.57	5.31E-07	Astrocyte	TNFSF4
ITPR1	2.91E-11	0.33181661	0.193	0.138	3.98E-07	Astrocyte	ITPR1
SRGAP1	2.64E-11	0.34368942	0.274	0.215	3.61E-07	Astrocyte	SRGAP1
DAPK1	2.20E-11	0.29467085	0.743	0.741	3.00E-07	Astrocyte	DAPK1
DPYSL2	1.55E-11	0.34476678	0.528	0.497	2.12E-07	Astrocyte	DPYSL2
KIAA1549L	9.89E-12	0.35006344	0.355	0.297	1.35E-07	Astrocyte	KIAA1549L
PHYHIPL	8.03E-12	0.39728731	0.452	0.406	1.10E-07	Astrocyte	PHYHIPL
RETREG1	5.69E-12	0.35884201	0.236	0.178	7.78E-08	Astrocyte	RETREG1
MAN1C1	4.31E-12	0.41679345	0.198	0.141	5.89E-08	Astrocyte	MAN1C1
PADI2	3.16E-12	0.40182607	0.419	0.37	4.33E-08	Astrocyte	PADI2
CD44	3.05E-12	0.42737339	0.13	0.081	4.17E-08	Astrocyte	CD44
CDH4	2.93E-12	0.26298794	0.872	0.861	4.01E-08	Astrocyte	CDH4
STRIP2	1.67E-12	0.31199132	0.112	0.064	2.29E-08	Astrocyte	STRIP2
RFX4	1.33E-12	0.30019473	0.757	0.756	1.82E-08	Astrocyte	RFX4
GAREM1	1.20E-12	0.39909289	0.348	0.287	1.64E-08	Astrocyte	GAREM1
MAP3K5	7.26E-13	0.3477048	0.407	0.348	9.92E-09	Astrocyte	MAP3K5
RHPN1	4.51E-13	0.35043296	0.171	0.113	6.16E-09	Astrocyte	RHPN1
TXNIP1	4.23E-13	0.43471614	0.325	0.263	5.79E-09	Astrocyte	TXNIP
OXR1	1.96E-13	0.25115578	0.665	0.618	2.69E-09	Astrocyte	OXR1
EPS15L1	1.65E-13	0.32199916	0.523	0.471	2.25E-09	Astrocyte	EPS15L1
ANKFN11	1.47E-13	0.39436458	0.299	0.229	2.02E-09	Astrocyte	ANKFN1
ECE11	1.26E-13	0.39799165	0.407	0.349	1.73E-09	Astrocyte	ECE1
SH3PXD2A	3.03E-14	0.43111403	0.196	0.136	4.14E-10	Astrocyte	SH3PXD2A
CACNA1E	2.46E-14	0.31216341	0.478	0.415	3.37E-10	Astrocyte	CACNA1E
ANGPT1	1.92E-14	0.38871568	0.633	0.608	2.63E-10	Astrocyte	ANGPT1
SNTB11	1.26E-14	0.35783467	0.458	0.389	1.73E-10	Astrocyte	SNTB1
KCNN2	9.64E-15	0.49047601	0.245	0.18	1.32E-10	Astrocyte	KCNN2
TMEM231	6.52E-15	0.40093108	0.173	0.111	8.92E-11	Astrocyte	TMEM231
IL17RB	6.26E-15	0.46605784	0.221	0.155	8.56E-11	Astrocyte	IL17RB
CXXC5	4.50E-15	0.37090068	0.147	0.088	6.16E-11	Astrocyte	CXXC5
SYNDIG1	3.56E-15	0.41908873	0.147	0.089	4.87E-11	Astrocyte	SYNDIG1
CALD11	3.29E-15	0.39036103	0.302	0.23	4.49E-11	Astrocyte	CALD1
COL4A5	1.42E-15	0.39116131	0.318	0.242	1.95E-11	Astrocyte	COL4A5
AQP4	1.83E-16	0.43332785	0.592	0.548	2.51E-12	Astrocyte	AQP4
CABCOCO1	1.57E-16	0.39562528	0.2	0.13	2.15E-12	Astrocyte	CABCOCO1
SEMA5A	6.53E-17	0.45960183	0.364	0.286	8.93E-13	Astrocyte	SEMA5A
SLC16A9	4.34E-17	0.36214356	0.123	0.065	5.94E-13	Astrocyte	SLC16A9
RGS9	4.04E-17	0.40774738	0.287	0.211	5.53E-13	Astrocyte	RGS9
NKAIN2	1.31E-17	0.30514224	0.733	0.701	1.79E-13	Astrocyte	NKAIN2
ZFP36L11	1.13E-17	0.45272422	0.382	0.309	1.55E-13	Astrocyte	ZFP36L1
ADD3	4.30E-18	0.34183881	0.761	0.743	5.88E-14	Astrocyte	ADD3

BICD11	2.82E-18	0.3368115	0.686	0.655	3.85E-14	Astrocyte	BICD1
MCF2L2	2.00E-18	0.43372572	0.729	0.704	2.73E-14	Astrocyte	MCF2L2
GSN	8.20E-19	0.46312442	0.318	0.236	1.12E-14	Astrocyte	GSN
FAM155A	4.06E-19	0.40442545	0.56	0.468	5.55E-15	Astrocyte	FAM155A
B3GLCT	3.95E-19	0.39560121	0.112	0.054	5.40E-15	Astrocyte	B3GLCT
KIAA1217	7.11E-20	0.53986272	0.193	0.118	9.73E-16	Astrocyte	KIAA1217
SLC14A1	6.86E-20	0.49468681	0.204	0.129	9.38E-16	Astrocyte	SLC14A1
CNTN1	5.91E-20	0.30570098	0.812	0.792	8.08E-16	Astrocyte	CNTN1
FRAS11	4.99E-20	0.38039209	0.33	0.233	6.83E-16	Astrocyte	FRAS1
COBLL1	3.13E-20	0.42310063	0.153	0.082	4.29E-16	Astrocyte	COBLL1
ALPK1	2.40E-20	0.43558271	0.137	0.07	3.28E-16	Astrocyte	ALPK1
OSGIN2	1.72E-20	0.46437374	0.22	0.141	2.35E-16	Astrocyte	OSGIN2
MYRIP	1.32E-20	0.47123762	0.445	0.365	1.80E-16	Astrocyte	MYRIP
DPP6	6.89E-21	0.42516286	0.635	0.589	9.43E-17	Astrocyte	DPP6
AGBL4	6.08E-21	0.36385095	0.613	0.541	8.32E-17	Astrocyte	AGBL4
STAC2	1.37E-21	0.41337224	0.131	0.064	1.88E-17	Astrocyte	STAC2
ID2	1.05E-21	0.5419512	0.226	0.144	1.44E-17	Astrocyte	ID2
RELN	5.79E-22	0.50606244	0.221	0.139	7.92E-18	Astrocyte	RELN
NRXN3	2.69E-22	0.32847527	0.863	0.83	3.68E-18	Astrocyte	NRXN3
PCSK61	2.38E-22	0.52287589	0.263	0.174	3.26E-18	Astrocyte	PCSK6
KCNN3	1.08E-22	0.5070551	0.255	0.167	1.47E-18	Astrocyte	KCNN3
PLEC	8.38E-23	0.45971525	0.381	0.288	1.15E-18	Astrocyte	PLEC
CTNNA3	2.59E-23	0.47862876	0.544	0.474	3.54E-19	Astrocyte	CTNNA3
DPYSL31	3.23E-24	0.46267395	0.139	0.065	4.42E-20	Astrocyte	DPYSL3
ABR	9.84E-25	0.46234861	0.568	0.501	1.35E-20	Astrocyte	ABR
GRIA1	5.06E-25	0.33895788	0.755	0.699	6.92E-21	Astrocyte	GRIA1
RASL12	3.11E-25	0.47820879	0.166	0.086	4.25E-21	Astrocyte	RASL12
RAB3C	2.71E-25	0.53246407	0.212	0.124	3.71E-21	Astrocyte	RAB3C
C2CD2	2.15E-25	0.54662766	0.19	0.106	2.95E-21	Astrocyte	C2CD2
DSCAML1	1.80E-25	0.60705633	0.325	0.228	2.46E-21	Astrocyte	DSCAML1
NRG1	9.73E-28	0.51786601	0.622	0.558	1.33E-23	Astrocyte	NRG1
IGFBP5	3.30E-28	0.55019908	0.161	0.077	4.52E-24	Astrocyte	IGFBP5
NFASC	3.08E-28	0.53099242	0.272	0.172	4.22E-24	Astrocyte	NFASC
SNED1	1.07E-29	0.56615003	0.324	0.217	1.46E-25	Astrocyte	SNED1
PHYHD1	1.01E-30	0.62774311	0.338	0.231	1.38E-26	Astrocyte	PHYHD1
KCNIP4	5.51E-31	0.30101789	0.928	0.883	7.54E-27	Astrocyte	KCNIP4
RGS6	3.40E-31	0.70747534	0.336	0.229	4.66E-27	Astrocyte	RGS6
CNTNAP2	3.19E-31	0.33674997	0.818	0.747	4.36E-27	Astrocyte	CNTNAP2
PRKAG2	7.54E-33	0.80778272	0.462	0.366	1.03E-28	Astrocyte	PRKAG2
COL9A2	3.10E-33	0.61788778	0.279	0.17	4.25E-29	Astrocyte	COL9A2
CD38	2.78E-34	0.67647317	0.251	0.142	3.80E-30	Astrocyte	CD38
P2RX7	1.64E-36	0.57538399	0.242	0.128	2.24E-32	Astrocyte	P2RX7
VCAN1	1.05E-37	0.55897569	0.408	0.274	1.44E-33	Astrocyte	VCAN
HSPB8	2.02E-38	0.54281739	0.111	0.032	2.77E-34	Astrocyte	HSPB8
WWOX	8.06E-41	0.44520948	0.912	0.886	1.10E-36	Astrocyte	WWOX
PLEKHA5	2.68E-41	0.5345809	0.745	0.679	3.66E-37	Astrocyte	PLEKHA5

MYO16	5.68E-42	0.76790279	0.347	0.22	7.77E-38	Astrocyte	MYO16
DAAM2	1.23E-42	0.48935796	0.807	0.756	1.69E-38	Astrocyte	DAAM2
MAN1A1	6.47E-45	0.66894837	0.396	0.256	8.85E-41	Astrocyte	MAN1A1
CDK5RAP2	1.59E-48	0.66744788	0.552	0.438	2.17E-44	Astrocyte	CDK5RAP2
PSD3	6.91E-51	0.53815582	0.705	0.601	9.45E-47	Astrocyte	PSD3
ADAMTS9	5.34E-52	0.73170823	0.225	0.094	7.30E-48	Astrocyte	ADAMTS9
NAV2	4.01E-52	0.47888015	0.863	0.81	5.49E-48	Astrocyte	NAV2
ALPK3	3.02E-57	0.81705298	0.493	0.342	4.13E-53	Astrocyte	ALPK3
WNK2	4.72E-58	0.7351342	0.579	0.451	6.46E-54	Astrocyte	WNK2
SLC28A1	1.04E-60	0.92434349	0.207	0.073	1.42E-56	Astrocyte	SLC28A1
ID3	5.52E-61	0.82632507	0.158	0.042	7.55E-57	Astrocyte	ID3
ST6GALNAC3	1.92E-68	0.81579295	0.57	0.415	2.63E-64	Astrocyte	ST6GALNAC3
MMP28	1.35E-68	0.78456344	0.159	0.036	1.85E-64	Astrocyte	MMP28
DCLK1	9.80E-72	0.54561138	0.91	0.865	1.34E-67	Astrocyte	DCLK1
SEMA3B	2.00E-72	0.85513376	0.411	0.23	2.74E-68	Astrocyte	SEMA3B
RERG	1.80E-72	0.88552335	0.366	0.183	2.46E-68	Astrocyte	RERG
CROCC	2.21E-76	0.99025708	0.336	0.158	3.02E-72	Astrocyte	CROCC
PPP2R2B	1.82E-77	0.53369766	0.932	0.884	2.49E-73	Astrocyte	PPP2R2B
CPAMD8	2.70E-89	0.90636289	0.146	0.017	3.70E-85	Astrocyte	CPAMD8
XIRP2	6.21E-91	1.1364558	0.19	0.038	8.50E-87	Astrocyte	XIRP2
ITGB4	9.24E-103	0.86908002	0.724	0.564	1.26E-98	Astrocyte	ITGB4
SLC38A1	1.45E-105	1.26617477	0.262	0.073	1.99E-101	Astrocyte	SLC38A1
DCLK2	4.16E-109	1.04954091	0.759	0.647	5.70E-105	Astrocyte	DCLK2
KLHL29	1.20E-110	1.1890194	0.414	0.188	1.64E-106	Astrocyte	KLHL29
RNF182	2.28E-122	1.05080582	0.266	0.064	3.12E-118	Astrocyte	RNF182
KAZN	7.61E-127	1.24743863	0.659	0.449	1.04E-122	Astrocyte	KAZN
CACNA2D3	5.11E-135	1.18266277	0.747	0.565	6.99E-131	Astrocyte	CACNA2D3
DPP10	1.82E-165	1.00552973	0.965	0.896	2.49E-161	Astrocyte	DPP10
GFAP	1.67E-189	1.42082366	0.721	0.455	2.28E-185	Astrocyte	GFAP
KIF1B	1.37E-06	0.26503315	0.428	0.384	0.01871815	NSC1	KIF1B
CACNA1A	2.19E-07	0.28421519	0.349	0.282	0.00300051	NSC1	CACNA1A
MTSS1	9.29E-09	0.26550735	0.334	0.266	0.00012705	NSC1	MTSS1
GNAQ	5.48E-11	0.27543086	0.403	0.328	7.50E-07	NSC1	GNAQ
ITGA8	7.24E-12	0.28487269	0.123	0.073	9.91E-08	NSC1	ITGA8
FGFR3	1.50E-12	0.28212018	0.292	0.213	2.05E-08	NSC1	FGFR3
MGAT5	9.31E-14	0.26490649	0.212	0.14	1.27E-09	NSC1	MGAT5
SEC14L1	4.63E-14	0.25531897	0.298	0.211	6.34E-10	NSC1	SEC14L1
BRINP3	9.12E-15	0.37189803	0.317	0.234	1.25E-10	NSC1	BRINP3
HRH1	6.04E-15	0.31767441	0.13	0.071	8.26E-11	NSC1	HRH1
PCDH7	2.33E-15	0.34653679	0.276	0.193	3.18E-11	NSC1	PCDH7
TTC23L	2.15E-15	0.29096585	0.338	0.243	2.93E-11	NSC1	TTC23L
ADGRB1	1.67E-15	0.26440314	0.149	0.085	2.28E-11	NSC1	ADGRB1
VAV3	1.22E-15	0.28295649	0.343	0.246	1.67E-11	NSC1	VAV3
CHST11	1.18E-15	0.38139842	0.344	0.255	1.61E-11	NSC1	CHST11
PSD2	1.09E-16	0.28162649	0.474	0.362	1.49E-12	NSC1	PSD2
SLC6A1	9.10E-17	0.2562721	0.495	0.374	1.24E-12	NSC1	SLC6A1

SDS	7.98E-17	0.26267148	0.228	0.144	1.09E-12	NSC1	SDS
TP53BP2	7.22E-17	0.25215812	0.446	0.327	9.88E-13	NSC1	TP53BP2
BRINP1	5.70E-17	0.32217127	0.393	0.287	7.80E-13	NSC1	BRINP1
PDGFRB	4.55E-17	0.27005264	0.261	0.168	6.22E-13	NSC1	PDGFRB
CSPG5	4.46E-17	0.26245343	0.341	0.237	6.10E-13	NSC1	CSPG5
AHCTF1	2.92E-17	0.26377988	0.54	0.416	3.99E-13	NSC1	AHCTF1
PRDM16	1.68E-17	0.38486767	0.308	0.217	2.30E-13	NSC1	PRDM16
KCNH5	5.23E-18	0.27768434	0.219	0.133	7.15E-14	NSC1	KCNH5
FAM184A	5.00E-18	0.29266285	0.454	0.333	6.84E-14	NSC1	FAM184A
GABRG1	1.65E-18	0.26966011	0.4	0.284	2.25E-14	NSC1	GABRG1
FOXN3	1.30E-18	0.25240609	0.73	0.612	1.78E-14	NSC1	FOXN3
AKAP12	4.28E-19	0.28038087	0.23	0.14	5.86E-15	NSC1	AKAP12
PDE9A	2.51E-19	0.28867833	0.304	0.201	3.44E-15	NSC1	PDE9A
DOCK5	2.28E-19	0.28506958	0.218	0.129	3.11E-15	NSC1	DOCK5
FUT10	3.49E-20	0.29156227	0.432	0.308	4.78E-16	NSC1	FUT10
RP1	2.89E-20	0.27790461	0.242	0.146	3.95E-16	NSC1	RP1
ESRRG	1.98E-20	0.29587066	0.287	0.183	2.71E-16	NSC1	ESRRG
PIPOX	1.18E-20	0.306058	0.289	0.185	1.62E-16	NSC1	PIPOX
PDGFC	1.18E-20	0.28240232	0.435	0.307	1.61E-16	NSC1	PDGFC
PTN	7.86E-21	0.25376562	0.441	0.31	1.07E-16	NSC1	PTN
PID1	5.02E-21	0.26847139	0.362	0.241	6.87E-17	NSC1	PID1
ZMYND8	4.56E-21	0.28929799	0.643	0.515	6.24E-17	NSC1	ZMYND8
ENDOU	2.13E-21	0.29345685	0.178	0.095	2.91E-17	NSC1	ENDOU
CPT1A	1.73E-21	0.27774625	0.162	0.083	2.36E-17	NSC1	CPT1A
SRGAP3	1.62E-21	0.28583901	0.64	0.498	2.21E-17	NSC1	SRGAP3
FGD6	1.60E-21	0.26588711	0.596	0.451	2.19E-17	NSC1	FGD6
TOM1L2	1.03E-21	0.26006238	0.705	0.579	1.40E-17	NSC1	TOM1L2
SNTA1	9.47E-22	0.25414121	0.619	0.485	1.30E-17	NSC1	SNTA1
SEMA4A	8.17E-22	0.28968616	0.201	0.111	1.12E-17	NSC1	SEMA4A
GALNT18	3.18E-22	0.25427507	0.81	0.7	4.34E-18	NSC1	GALNT18
PTPRJ	1.70E-22	0.2956809	0.149	0.072	2.33E-18	NSC1	PTPRJ
ARHGAP32	1.04E-22	0.26770041	0.788	0.672	1.42E-18	NSC1	ARHGAP32
LHFPL6	7.76E-23	0.27439329	0.759	0.639	1.06E-18	NSC1	LHFPL6
SERPINE2	7.17E-23	0.31982688	0.281	0.173	9.80E-19	NSC1	SERPINE2
PCTP	2.75E-23	0.3457231	0.33	0.215	3.77E-19	NSC1	PCTP
UNC5C	1.11E-24	0.29131657	0.651	0.514	1.52E-20	NSC1	UNC5C
ITSN1	5.04E-25	0.32185573	0.597	0.452	6.90E-21	NSC1	ITSN1
DOCK1	2.18E-25	0.28756343	0.762	0.64	2.99E-21	NSC1	DOCK1
EGFR	1.79E-25	0.28435594	0.455	0.316	2.44E-21	NSC1	EGFR
DDAH1	1.45E-25	0.35255776	0.49	0.354	1.98E-21	NSC1	DDAH1
SHISA9	1.33E-25	0.38549442	0.586	0.458	1.82E-21	NSC1	SHISA9
PTPN13	1.23E-25	0.3271268	0.489	0.35	1.68E-21	NSC1	PTPN13
SORCS2	8.93E-26	0.36762515	0.514	0.381	1.22E-21	NSC1	SORCS2
GRK3	7.23E-26	0.30067157	0.468	0.321	9.88E-22	NSC1	GRK3
ZFHX4	5.06E-26	0.26178165	0.74	0.608	6.92E-22	NSC1	ZFHX4
SLC25A18	4.41E-26	0.26571754	0.814	0.681	6.03E-22	NSC1	SLC25A18

SFXN1	2.09E-26	0.38610693	0.499	0.365	2.86E-22	NSC1	SFXN1
LGR4	1.83E-26	0.3800031	0.435	0.3	2.51E-22	NSC1	LGR4
PPARGC1A	1.12E-26	0.32012263	0.324	0.199	1.53E-22	NSC1	PPARGC1A
CACNG4	1.02E-26	0.4049382	0.198	0.102	1.39E-22	NSC1	CACNG4
MGLL	6.05E-27	0.33360164	0.497	0.353	8.28E-23	NSC1	MGLL
SLC15A2	2.29E-27	0.30630694	0.692	0.543	3.13E-23	NSC1	SLC15A2
EZR	1.06E-27	0.36567278	0.251	0.14	1.44E-23	NSC1	EZR
SPRED1	8.35E-28	0.32259384	0.474	0.326	1.14E-23	NSC1	SPRED1
EEF2K	7.13E-28	0.34356488	0.494	0.343	9.75E-24	NSC1	EEF2K
FAM171B	4.85E-28	0.34186174	0.577	0.431	6.64E-24	NSC1	FAM171B
TNS3	4.28E-28	0.32102005	0.56	0.402	5.86E-24	NSC1	TNS3
WASF3	3.86E-28	0.35180391	0.415	0.275	5.28E-24	NSC1	WASF3
KCNIP1	3.82E-28	0.37447987	0.528	0.382	5.22E-24	NSC1	KCNIP1
SASH1	3.39E-28	0.25790425	0.914	0.824	4.64E-24	NSC1	SASH1
ASAP2	1.49E-28	0.35375482	0.506	0.352	2.04E-24	NSC1	ASAP2
FNDC3B	6.87E-29	0.34927308	0.596	0.451	9.40E-25	NSC1	FNDC3B
ZSWIM6	3.97E-29	0.4798693	0.601	0.474	5.42E-25	NSC1	ZSWIM6
EPB41L2	1.65E-29	0.36310677	0.581	0.429	2.26E-25	NSC1	EPB41L2
CPEB3	1.32E-29	0.30867782	0.76	0.632	1.80E-25	NSC1	CPEB3
GRIN2C	7.01E-30	0.3665805	0.15	0.063	9.59E-26	NSC1	GRIN2C
VEGFA	4.64E-30	0.38419094	0.289	0.166	6.34E-26	NSC1	VEGFA
HIF3A	7.39E-31	0.39920875	0.247	0.131	1.01E-26	NSC1	HIF3A
ALDH1A1	3.74E-31	0.41760899	0.634	0.489	5.12E-27	NSC1	ALDH1A1
ADGRL3	1.80E-31	0.2877932	0.766	0.625	2.46E-27	NSC1	ADGRL3
MEGF10	1.25E-31	0.36540269	0.607	0.447	1.71E-27	NSC1	MEGF10
GABRA2	7.36E-32	0.31712606	0.702	0.54	1.01E-27	NSC1	GABRA2
PAPLN	4.55E-32	0.37820232	0.226	0.114	6.22E-28	NSC1	PAPLN
SLC1A4	3.23E-32	0.42216388	0.306	0.177	4.41E-28	NSC1	SLC1A4
SLC39A12	2.37E-32	0.41310577	0.267	0.143	3.24E-28	NSC1	SLC39A12
PHACTR3	1.89E-32	0.35210167	0.601	0.446	2.58E-28	NSC1	PHACTR3
MCC	1.63E-32	0.2967775	0.751	0.588	2.23E-28	NSC1	MCC
SOX5	4.52E-33	0.30440691	0.86	0.751	6.18E-29	NSC1	SOX5
EYA2	4.31E-33	0.42081872	0.331	0.193	5.90E-29	NSC1	EYA2
SFMBT2	1.73E-33	0.41292537	0.405	0.253	2.37E-29	NSC1	SFMBT2
XYLT1	1.40E-33	0.3534379	0.617	0.446	1.92E-29	NSC1	XYLT1
RORA	6.31E-35	0.3316492	0.755	0.597	8.63E-31	NSC1	RORA
SEL1L3	5.08E-35	0.44093443	0.39	0.242	6.95E-31	NSC1	SEL1L3
NID1	2.44E-35	0.41019323	0.392	0.239	3.34E-31	NSC1	NID1
SFXN5	9.93E-36	0.31239516	0.863	0.769	1.36E-31	NSC1	SFXN5
SLC6A11	4.33E-36	0.39546184	0.414	0.255	5.92E-32	NSC1	SLC6A11
RAI14	1.06E-36	0.44798133	0.46	0.302	1.45E-32	NSC1	RAI14
ARHGAP31	8.87E-37	0.4148117	0.504	0.337	1.21E-32	NSC1	ARHGAP31
SH3RF1	4.09E-37	0.38964063	0.613	0.44	5.60E-33	NSC1	SH3RF1
ACBD7	3.50E-37	0.50765712	0.31	0.174	4.78E-33	NSC1	ACBD7
HTRA1	4.45E-38	0.4364815	0.409	0.248	6.09E-34	NSC1	HTRA1
TCF7L2	3.77E-38	0.35396822	0.788	0.639	5.16E-34	NSC1	TCF7L2

MRVI1	2.87E-38	0.39918744	0.546	0.37	3.93E-34	NSC1	MRVI1
HHIPL1	1.26E-38	0.51863169	0.282	0.149	1.72E-34	NSC1	HHIPL1
ARHGAP26	3.29E-39	0.30614116	0.906	0.792	4.51E-35	NSC1	ARHGAP26
TPD52L1	2.37E-39	0.47439911	0.435	0.274	3.25E-35	NSC1	TPD52L1
TMEM132C	2.27E-40	0.5323486	0.385	0.229	3.10E-36	NSC1	TMEM132C
RALGAPA2	4.43E-41	0.34975906	0.782	0.612	6.06E-37	NSC1	RALGAPA2
GABBR1	3.69E-41	0.34002113	0.871	0.763	5.05E-37	NSC1	GABBR1
EDNRB	2.03E-41	0.46148462	0.372	0.215	2.78E-37	NSC1	EDNRB
GLI3	1.46E-41	0.33134914	0.864	0.728	2.00E-37	NSC1	GLI3
ERBB4	8.09E-42	0.29335887	0.98	0.932	1.11E-37	NSC1	ERBB4
PHLPP1	5.29E-42	0.3564902	0.88	0.759	7.23E-38	NSC1	PHLPP1
NHSL1	1.43E-42	0.42574988	0.747	0.592	1.96E-38	NSC1	NHSL1
FGFR1	1.21E-42	0.36616934	0.82	0.675	1.66E-38	NSC1	FGFR1
GLI2	8.06E-43	0.52370533	0.242	0.112	1.10E-38	NSC1	GLI2
GPAM	4.21E-43	0.47277225	0.252	0.118	5.75E-39	NSC1	GPAM
CLDN10	3.75E-43	0.46889934	0.306	0.158	5.13E-39	NSC1	CLDN10
RIN2	2.35E-45	0.48938949	0.564	0.385	3.21E-41	NSC1	RIN2
FOLH1	1.42E-45	0.5115066	0.454	0.28	1.94E-41	NSC1	FOLH1
ACACB	4.54E-47	0.39912456	0.746	0.577	6.21E-43	NSC1	ACACB
OPHN1	2.51E-47	0.32415083	0.937	0.853	3.43E-43	NSC1	OPHN1
EPHB1	8.73E-48	0.44242958	0.776	0.625	1.19E-43	NSC1	EPHB1
ITPR2	6.90E-48	0.36665771	0.848	0.698	9.44E-44	NSC1	ITPR2
EFNA5	1.70E-48	0.5161154	0.518	0.333	2.33E-44	NSC1	EFNA5
PHKA1	7.38E-49	0.54006024	0.531	0.351	1.01E-44	NSC1	PHKA1
ATP13A4	2.25E-50	0.40481898	0.84	0.683	3.08E-46	NSC1	ATP13A4
ETNPPL	8.29E-51	0.43873505	0.715	0.512	1.13E-46	NSC1	ETNPPL
PREX1	1.33E-53	0.46751709	0.793	0.622	1.83E-49	NSC1	PREX1
PDZRN4	5.05E-58	0.60874174	0.843	0.698	6.91E-54	NSC1	PDZRN4
GRID1	1.55E-63	0.50171816	0.73	0.521	2.12E-59	NSC1	GRID1
COL5A3	1.84E-65	0.64842721	0.447	0.242	2.51E-61	NSC1	COL5A3
UNC5D	2.10E-67	0.44471958	0.901	0.753	2.88E-63	NSC1	UNC5D
RORB	1.45E-69	0.59124091	0.59	0.36	1.98E-65	NSC1	RORB
SLCO1C1	2.24E-70	0.60475147	0.365	0.166	3.06E-66	NSC1	SLCO1C1
MERTK	8.47E-72	0.60288304	0.595	0.361	1.16E-67	NSC1	MERTK
ADGRV1	9.89E-73	0.25880718	1	0.997	1.35E-68	NSC1	ADGRV1
RGS20	2.35E-74	0.53114244	0.809	0.61	3.21E-70	NSC1	RGS20
GPC6	8.78E-75	0.4862177	0.89	0.756	1.20E-70	NSC1	GPC6
MFGE8	5.46E-76	0.61497965	0.609	0.38	7.47E-72	NSC1	MFGE8
MAPK4	1.21E-76	0.64942486	0.54	0.311	1.66E-72	NSC1	MAPK4
NKAIN3	7.97E-77	0.30556896	0.998	0.988	1.09E-72	NSC1	NKAIN3
CADM1	3.27E-78	0.47022863	0.946	0.868	4.48E-74	NSC1	CADM1
ADGRB3	6.10E-82	0.29813934	0.998	0.989	8.34E-78	NSC1	ADGRB3
CACNB2	2.73E-92	0.58470681	0.878	0.708	3.74E-88	NSC1	CACNB2
OLFM2	4.41E-97	0.67385077	0.702	0.44	6.03E-93	NSC1	OLFM2
PCDH9	5.84E-104	0.33431031	1	0.997	7.99E-100	NSC1	PCDH9
GRM3	5.48E-104	0.79833543	0.641	0.373	7.50E-100	NSC1	GRM3

WIF1	5.96E-107	1.07891507	0.427	0.18	8.15E-103	NSC1	WIF1
SLC4A4	6.80E-111	0.57411014	0.952	0.835	9.30E-107	NSC1	SLC4A4
PLCB1	4.59E-113	0.5167469	0.966	0.885	6.28E-109	NSC1	PLCB1
CARMIL1	5.59E-117	0.57832637	0.932	0.793	7.65E-113	NSC1	CARMIL1
FRMD4A	1.12E-121	0.49817372	0.995	0.95	1.53E-117	NSC1	FRMD4A
ACSBG1	2.81E-122	0.81125904	0.623	0.33	3.84E-118	NSC1	ACSBG1
GPM6A	1.27E-140	0.41879809	1	0.995	1.74E-136	NSC1	GPM6A
PREX2	3.45E-167	0.71555807	0.924	0.729	4.71E-163	NSC1	PREX2
SLC1A3	2.05E-177	0.61581141	0.992	0.944	2.80E-173	NSC1	SLC1A3
NRXN1	9.74E-184	0.44944067	1	0.998	1.33E-179	NSC1	NRXN1
GPC5	2.37E-194	1.08494565	0.897	0.722	3.24E-190	NSC1	GPC5
SLC1A2	6.70E-308	0.76604738	1	0.98	9.16E-304	NSC1	SLC1A2
LUZP2	0	1.6826671	0.798	0.387	0	NSC1	LUZP2
LRP8	3.64E-06	0.2840505	0.182	0.111	0.04978529	NSC2	LRP8
LYPD6	3.61E-06	0.29868307	0.111	0.058	0.04935645	NSC2	LYPD6
BRAT1	3.43E-06	0.27179191	0.141	0.079	0.04693548	NSC2	BRAT1
SEC11C	3.17E-06	0.25072338	0.124	0.066	0.04341709	NSC2	SEC11C
NSG2	2.98E-06	0.32319108	0.197	0.122	0.04073302	NSC2	NSG2
BRD8	2.95E-06	0.33277134	0.215	0.138	0.04037833	NSC2	BRD8
ABCA8	2.93E-06	0.31315174	0.23	0.149	0.04002527	NSC2	ABCA8
TMEM59	2.87E-06	0.29827093	0.156	0.091	0.03919473	NSC2	TMEM59
NDRG1	2.81E-06	0.25326318	0.137	0.075	0.03846579	NSC2	NDRG1
WBP2	2.72E-06	0.28806403	0.184	0.113	0.03715535	NSC2	WBP2
BMPER	2.65E-06	0.39710714	0.152	0.087	0.0363138	NSC2	BMPER
FRMD4B	2.62E-06	0.40992559	0.299	0.214	0.03582205	NSC2	FRMD4B
SCAMP1	2.54E-06	0.35914829	0.284	0.2	0.03467982	NSC2	SCAMP1
SLC25A46	2.52E-06	0.29732044	0.174	0.103	0.03440886	NSC2	SLC25A46
ADAR	2.44E-06	0.2742851	0.206	0.128	0.0334247	NSC2	ADAR
FAM171B1	2.23E-06	0.42597113	0.555	0.498	0.03056321	NSC2	FAM171B
LAMP2	2.19E-06	0.31450491	0.226	0.145	0.02997961	NSC2	LAMP2
ZCCHC8	2.18E-06	0.25785511	0.117	0.061	0.02986464	NSC2	ZCCHC8
LASP1	2.14E-06	0.28792348	0.161	0.092	0.02932791	NSC2	LASP1
KLHL42	2.13E-06	0.2524452	0.152	0.085	0.02918495	NSC2	KLHL42
MGST3	1.93E-06	0.26373279	0.219	0.136	0.02633624	NSC2	MGST3
KCTD6	1.85E-06	0.26032515	0.143	0.079	0.02535601	NSC2	KCTD6
TMEM167A	1.82E-06	0.25820898	0.113	0.058	0.02494245	NSC2	TMEM167A
RAB12	1.82E-06	0.29192683	0.208	0.129	0.02488423	NSC2	RAB12
MLF2	1.81E-06	0.27121761	0.13	0.07	0.02470189	NSC2	MLF2
DPP7	1.78E-06	0.35102207	0.217	0.137	0.02436174	NSC2	DPP7
EIF1B	1.75E-06	0.29719028	0.141	0.078	0.02387548	NSC2	EIF1B
CAMKV	1.69E-06	0.26675695	0.132	0.071	0.02314328	NSC2	CAMKV
AASDHPPT	1.61E-06	0.30865369	0.258	0.171	0.02200269	NSC2	AASDHPPT
CBX6	1.52E-06	0.34685592	0.26	0.173	0.02083939	NSC2	CBX6
ZBTB4	1.46E-06	0.33020883	0.356	0.257	0.01994097	NSC2	ZBTB4
NAPB	1.42E-06	0.29353527	0.297	0.2	0.01941659	NSC2	NAPB
ADAMTSL3	1.41E-06	0.51714785	0.236	0.16	0.01930473	NSC2	ADAMTSL3

UST	1.40E-06	0.60172405	0.408	0.338	0.01910531	NSC2	UST
TSC1	1.27E-06	0.28145183	0.108	0.054	0.01732886	NSC2	TSC1
EIF5	1.26E-06	0.32847303	0.21	0.131	0.01722307	NSC2	EIF5
AKIRIN1	1.25E-06	0.2710474	0.141	0.077	0.0170574	NSC2	AKIRIN1
RPRD1A	1.20E-06	0.33160079	0.328	0.228	0.016383	NSC2	RPRD1A
NTRK2	1.20E-06	0.2787528	0.816	0.772	0.0163559	NSC2	NTRK2
NDFIP1	1.15E-06	0.32458626	0.416	0.307	0.01570396	NSC2	NDFIP1
AHNAK	1.14E-06	0.37964022	0.245	0.163	0.0155861	NSC2	AHNAK
PTTG1IP	1.09E-06	0.29978122	0.182	0.108	0.01488083	NSC2	PTTG1IP
RHBDD2	9.43E-07	0.26831146	0.113	0.057	0.01289742	NSC2	RHBDD2
AKAP6	9.05E-07	0.32175203	0.612	0.524	0.01237562	NSC2	AKAP6
SNCA	8.93E-07	0.29548292	0.202	0.121	0.01221221	NSC2	SNCA
NLGN4Y	8.82E-07	0.44677005	0.449	0.357	0.01206592	NSC2	NLGN4Y
LRP3	7.82E-07	0.30083003	0.182	0.108	0.01069608	NSC2	LRP3
MAP3K1	7.81E-07	0.35586386	0.204	0.126	0.01067999	NSC2	MAP3K1
SLC16A2	6.91E-07	0.25359132	0.139	0.073	0.00944522	NSC2	SLC16A2
GDAP1	6.58E-07	0.27854889	0.108	0.053	0.00900365	NSC2	GDAP1
UBE2B	6.45E-07	0.36667571	0.295	0.199	0.00881841	NSC2	UBE2B
PTPRG	6.44E-07	0.27158176	0.948	0.946	0.00880696	NSC2	PTPRG
N4BP2L2	6.32E-07	0.30451498	0.547	0.442	0.00864301	NSC2	N4BP2L2
RAD21	6.27E-07	0.3063944	0.206	0.125	0.00857027	NSC2	RAD21
FBXW7	6.23E-07	0.41121947	0.471	0.379	0.00851533	NSC2	FBXW7
PHF19	6.22E-07	0.3577273	0.126	0.066	0.00850508	NSC2	PHF19
UBE2D3	6.19E-07	0.38003061	0.449	0.344	0.00847308	NSC2	UBE2D3
KIDINS220	6.14E-07	0.34640526	0.451	0.363	0.00839927	NSC2	KIDINS220
EEF1AKMT4	5.82E-07	0.30935157	0.113	0.056	0.00795452	NSC2	EEF1AKMT4-ECE
ATP6V1B2	5.78E-07	0.33191415	0.169	0.096	0.00790995	NSC2	ATP6V1B2
VCP	5.69E-07	0.28352501	0.161	0.09	0.007779	NSC2	VCP
COPS2	5.47E-07	0.34540294	0.143	0.078	0.00748165	NSC2	COPS2
SH3RF3	5.03E-07	0.40789777	0.479	0.387	0.00687815	NSC2	SH3RF3
RAB3GAP2	4.53E-07	0.36839999	0.414	0.31	0.00619959	NSC2	RAB3GAP2
ANKFN1	4.43E-07	0.3584782	0.356	0.253	0.00605382	NSC2	ANKFN1
DYNC1L1I2	4.28E-07	0.38610416	0.273	0.184	0.00585735	NSC2	DYNC1L1I2
PINK1	4.09E-07	0.27116394	0.111	0.054	0.00559741	NSC2	PINK1
TSPAN3	4.09E-07	0.35652052	0.241	0.152	0.00558981	NSC2	TSPAN3
XPO7	4.08E-07	0.39033624	0.239	0.15	0.00558282	NSC2	XPO7
VAT1L	3.97E-07	0.35340061	0.484	0.372	0.00543594	NSC2	VAT1L
EIF3D	3.95E-07	0.28120662	0.108	0.052	0.00540752	NSC2	EIF3D
EI24	3.52E-07	0.29691874	0.115	0.057	0.00481228	NSC2	EI24
NCOA2	3.49E-07	0.40153744	0.527	0.43	0.00477744	NSC2	NCOA2
HNRNPH1	3.45E-07	0.35963451	0.219	0.137	0.00471794	NSC2	HNRNPH1
KIF3A	3.19E-07	0.33598529	0.31	0.213	0.00435661	NSC2	KIF3A
TMEM59L	3.05E-07	0.32500001	0.243	0.152	0.00416769	NSC2	TMEM59L
GOLGA7	2.88E-07	0.2513084	0.104	0.049	0.0039401	NSC2	GOLGA7
NDUFB9	2.86E-07	0.25115889	0.113	0.054	0.00390895	NSC2	NDUFB9
SNX18	2.82E-07	0.28186407	0.148	0.079	0.00385885	NSC2	SNX18

NSA2	2.82E-07	0.26988502	0.141	0.074	0.00385439	NSC2	NSA2
SEMA3C	2.74E-07	0.51713335	0.102	0.048	0.00374137	NSC2	SEMA3C
AKAP121	2.55E-07	0.41237882	0.271	0.178	0.00349252	NSC2	AKAP12
MMD	2.53E-07	0.30483705	0.158	0.086	0.00346465	NSC2	MMD
RFTN1	2.51E-07	0.26311603	0.126	0.063	0.00343708	NSC2	RFTN1
DOK5	2.31E-07	0.38696746	0.497	0.397	0.00315846	NSC2	DOK5
PON2	2.28E-07	0.41860999	0.338	0.242	0.00311331	NSC2	PON2
SPIN1	2.14E-07	0.41168953	0.425	0.325	0.00293018	NSC2	SPIN1
CD200	1.93E-07	0.31173058	0.143	0.076	0.00263456	NSC2	CD200
NFIB	1.86E-07	0.33748973	0.761	0.733	0.00254227	NSC2	NFIB
LONRF2	1.81E-07	0.41846974	0.31	0.211	0.00248135	NSC2	LONRF2
GSAP	1.69E-07	0.44676912	0.377	0.267	0.0023082	NSC2	GSAP
GAP43	1.65E-07	0.34873543	0.15	0.079	0.00226243	NSC2	GAP43
SUCO	1.62E-07	0.42462238	0.282	0.188	0.00221369	NSC2	SUCO
AMFR	1.57E-07	0.34469694	0.221	0.136	0.00214186	NSC2	AMFR
CDKL3	1.49E-07	0.35854877	0.21	0.125	0.00203359	NSC2	CDKL3
TLE4	1.43E-07	0.39560932	0.373	0.269	0.00195278	NSC2	TLE4
CNN3	1.39E-07	0.70622967	0.401	0.294	0.00190801	NSC2	CNN3
CTNNB1	1.36E-07	0.34409095	0.306	0.204	0.0018577	NSC2	CTNNB1
MGAT51	1.33E-07	0.37619392	0.265	0.168	0.0018138	NSC2	MGAT5
NDUFA5	1.32E-07	0.26100221	0.141	0.072	0.00180831	NSC2	NDUFA5
TRIM23	1.31E-07	0.3538552	0.197	0.116	0.00178665	NSC2	TRIM23
SPRED2	1.30E-07	0.37197957	0.332	0.227	0.00177352	NSC2	SPRED2
CYC1	1.28E-07	0.28342139	0.126	0.062	0.00174926	NSC2	CYC1
TAPT1	1.24E-07	0.34064226	0.232	0.141	0.00170095	NSC2	TAPT1
RNF11	1.23E-07	0.3448599	0.184	0.105	0.00168691	NSC2	RNF11
UGP2	1.18E-07	0.38954727	0.401	0.298	0.0016117	NSC2	UGP2
LAPTM4B	1.13E-07	0.25397771	0.145	0.074	0.00154709	NSC2	LAPTM4B
NUAK1	1.12E-07	0.3674749	0.236	0.144	0.0015379	NSC2	NUAK1
DPYSL5	1.10E-07	0.31545511	0.241	0.147	0.00151033	NSC2	DPYSL5
ATP5MC2	1.08E-07	0.29168354	0.182	0.103	0.00147964	NSC2	ATP5MC2
MIF	1.07E-07	0.28587451	0.113	0.053	0.00146799	NSC2	MIF
CSDC2	9.29E-08	0.29611675	0.121	0.059	0.00127012	NSC2	CSDC2
FEM1C	9.22E-08	0.28159747	0.158	0.084	0.00126066	NSC2	FEM1C
KIF5A	8.80E-08	0.30160356	0.145	0.075	0.00120348	NSC2	KIF5A
GLO1	8.76E-08	0.36832813	0.226	0.136	0.00119804	NSC2	GLO1
PPP1CC	8.73E-08	0.26489855	0.128	0.063	0.00119357	NSC2	PPP1CC
PPP2CB	8.04E-08	0.34761786	0.228	0.138	0.0011001	NSC2	PPP2CB
TSC22D1	7.81E-08	0.32495796	0.644	0.547	0.001068	NSC2	TSC22D1
EIF4G1	7.64E-08	0.26415309	0.121	0.058	0.00104489	NSC2	EIF4G1
OSBPL5	7.53E-08	0.35610221	0.163	0.088	0.00102991	NSC2	OSBPL5
CHD7	6.08E-08	0.44822676	0.386	0.277	0.00083218	NSC2	CHD7
EIF4H	5.46E-08	0.32291339	0.208	0.12	0.00074723	NSC2	EIF4H
6-Mar	5.20E-08	0.44791105	0.497	0.4	0.00071063	NSC2	6-Mar
KCNH8	5.18E-08	0.39455845	0.134	0.068	0.00070837	NSC2	KCNH8
VPS29	4.84E-08	0.30792263	0.121	0.058	0.00066258	NSC2	VPS29

ACACA	4.84E-08	0.28388179	0.308	0.193	0.00066163	NSC2	ACACA
TULP3	4.60E-08	0.45154076	0.434	0.326	0.00062885	NSC2	TULP3
HMG3	4.43E-08	0.38831384	0.356	0.244	0.00060591	NSC2	HMG3
RAPH1	4.31E-08	0.38919357	0.486	0.374	0.00058993	NSC2	RAPH1
TUBB4B	4.26E-08	0.28031045	0.106	0.048	0.00058298	NSC2	TUBB4B
MICAL3	4.20E-08	0.3492818	0.191	0.107	0.00057392	NSC2	MICAL3
COL9A1	4.12E-08	0.40384672	0.262	0.166	0.0005638	NSC2	COL9A1
FGFR2	4.00E-08	0.44098977	0.694	0.633	0.00054703	NSC2	FGFR2
ATP1A1	3.84E-08	0.36228118	0.219	0.129	0.00052486	NSC2	ATP1A1
ENO2	3.60E-08	0.30043898	0.121	0.058	0.0004927	NSC2	ENO2
TXNL4A	3.24E-08	0.31580502	0.128	0.061	0.0004428	NSC2	TXNL4A
BTBD3	3.23E-08	0.35596535	0.193	0.107	0.00044142	NSC2	BTBD3
DNAJB6	3.19E-08	0.38170026	0.195	0.111	0.00043645	NSC2	DNAJB6
IRS2	2.51E-08	0.2549327	0.102	0.044	0.0003433	NSC2	IRS2
FBXL16	2.46E-08	0.31842432	0.117	0.054	0.00033604	NSC2	FBXL16
WDR6	2.31E-08	0.28487404	0.104	0.046	0.00031547	NSC2	WDR6
SLC24A5	2.28E-08	0.29315001	0.111	0.05	0.00031134	NSC2	SLC24A5
TOP2B	2.26E-08	0.3864617	0.371	0.259	0.0003087	NSC2	TOP2B
DAAM1	2.12E-08	0.37838106	0.51	0.394	0.00029018	NSC2	DAAM1
GABARAPL1	2.03E-08	0.33988404	0.148	0.074	0.00027767	NSC2	GABARAPL1
UBL3	1.93E-08	0.42470308	0.291	0.189	0.00026354	NSC2	UBL3
TSPAN11	1.89E-08	0.25902423	0.108	0.048	0.00025905	NSC2	TSPAN11
ZFP36L1	1.82E-08	0.39470255	0.456	0.332	0.00024874	NSC2	ZFP36L1
SHROOM4	1.70E-08	0.3984779	0.148	0.074	0.0002332	NSC2	SHROOM4
OGFRL1	1.62E-08	0.34423899	0.234	0.138	0.00022149	NSC2	OGFRL1
SCG5	1.62E-08	0.309665	0.171	0.091	0.00022107	NSC2	SCG5
USP44	1.59E-08	0.28763427	0.121	0.056	0.0002176	NSC2	USP44
EIF2B1	1.38E-08	0.31025692	0.152	0.076	0.0001882	NSC2	EIF2B1
FZD3	1.24E-08	0.44353172	0.289	0.186	0.00016955	NSC2	FZD3
MPPED2	1.18E-08	0.48792631	0.497	0.398	0.00016148	NSC2	MPPED2
FAM162A	1.17E-08	0.27337659	0.15	0.075	0.00015963	NSC2	FAM162A
ATP1B1	1.16E-08	0.44826667	0.443	0.333	0.00015851	NSC2	ATP1B1
FAM184B	1.13E-08	0.40981181	0.215	0.123	0.00015497	NSC2	FAM184B
TOR1AIP2	1.10E-08	0.25049094	0.108	0.047	0.00015107	NSC2	TOR1AIP2
SYNRG	1.10E-08	0.28591589	0.174	0.09	0.00015054	NSC2	SYNRG
ARRDC3	1.04E-08	0.30908894	0.113	0.05	0.00014175	NSC2	ARRDC3
PALLD	9.77E-09	0.40922486	0.523	0.401	0.00013361	NSC2	PALLD
RTN4	9.62E-09	0.36089249	0.685	0.632	0.00013154	NSC2	RTN4
DCLK1	9.25E-09	0.28445248	0.939	0.881	0.0001265	NSC2	DCLK1
SAMD4A	8.52E-09	0.55899591	0.516	0.41	0.0001165	NSC2	SAMD4A
CNOT6L	7.98E-09	0.31296876	0.134	0.064	0.00010911	NSC2	CNOT6L
LDB2	7.97E-09	0.48227078	0.514	0.405	0.00010896	NSC2	LDB2
ISCA1	6.94E-09	0.35572138	0.143	0.07	9.49E-05	NSC2	ISCA1
IMPAD1	6.33E-09	0.34625838	0.206	0.114	8.66E-05	NSC2	IMPAD1
ZEB1	6.31E-09	0.37530151	0.679	0.598	8.63E-05	NSC2	ZEB1
CLTA	5.77E-09	0.29761863	0.145	0.071	7.89E-05	NSC2	CLTA

GSDME	5.36E-09	0.36866776	0.139	0.067	7.33E-05	NSC2	GSDME
CALY	5.31E-09	0.35084865	0.13	0.061	7.26E-05	NSC2	CALY
ACTR2	5.18E-09	0.42882993	0.315	0.204	7.08E-05	NSC2	ACTR2
CD164	5.17E-09	0.27923659	0.124	0.056	7.07E-05	NSC2	CD164
RPS7	4.71E-09	0.27130393	0.108	0.046	6.44E-05	NSC2	RPS7
CHGB	4.65E-09	0.39102349	0.18	0.095	6.35E-05	NSC2	CHGB
SORT1	4.62E-09	0.44365703	0.286	0.177	6.31E-05	NSC2	SORT1
ATP6AP2	4.57E-09	0.26904905	0.156	0.077	6.25E-05	NSC2	ATP6AP2
VDAC3	4.52E-09	0.30473457	0.176	0.09	6.18E-05	NSC2	VDAC3
SEMA3A	4.15E-09	0.28382685	0.156	0.076	5.68E-05	NSC2	SEMA3A
CD9	3.92E-09	0.30712241	0.102	0.042	5.36E-05	NSC2	CD9
CLU	3.82E-09	0.50000079	0.709	0.655	5.23E-05	NSC2	CLU
SNU13	3.82E-09	0.34277362	0.154	0.076	5.22E-05	NSC2	SNU13
SRI	3.70E-09	0.35209056	0.204	0.112	5.06E-05	NSC2	SRI
TMEM184B	3.48E-09	0.40621656	0.273	0.166	4.76E-05	NSC2	TMEM184B
PJA2	3.36E-09	0.45067838	0.323	0.212	4.59E-05	NSC2	PJA2
TIAM2	3.32E-09	0.39515605	0.215	0.12	4.54E-05	NSC2	TIAM2
CCNI	3.30E-09	0.39019019	0.306	0.195	4.52E-05	NSC2	CCNI
CMAS	3.26E-09	0.2927363	0.169	0.086	4.45E-05	NSC2	CMAS
SAP18	3.21E-09	0.33767666	0.13	0.06	4.40E-05	NSC2	SAP18
CSTB	3.12E-09	0.31654915	0.148	0.071	4.27E-05	NSC2	CSTB
SLC9A6	2.76E-09	0.41251781	0.232	0.135	3.78E-05	NSC2	SLC9A6
VEZF1	2.72E-09	0.36857531	0.21	0.116	3.72E-05	NSC2	VEZF1
RCHY1	2.72E-09	0.37416327	0.356	0.233	3.72E-05	NSC2	RCHY1
EPHA4	2.66E-09	0.47460407	0.421	0.3	3.63E-05	NSC2	EPHA4
RPS23	2.52E-09	0.31106128	0.108	0.046	3.45E-05	NSC2	RPS23
SPCS2	2.46E-09	0.34571171	0.193	0.102	3.36E-05	NSC2	SPCS2
DDX6	2.40E-09	0.42904647	0.308	0.196	3.28E-05	NSC2	DDX6
PKP2	2.28E-09	0.46786791	0.206	0.114	3.11E-05	NSC2	PKP2
FYTTD1	2.23E-09	0.39863005	0.182	0.096	3.05E-05	NSC2	FYTTD1
PRDX5	2.03E-09	0.29871425	0.117	0.051	2.77E-05	NSC2	PRDX5
JPT1	1.99E-09	0.33636697	0.126	0.057	2.72E-05	NSC2	JPT1
SERINC3	1.95E-09	0.44982329	0.239	0.14	2.66E-05	NSC2	SERINC3
TSPAN7	1.79E-09	0.42398557	0.772	0.727	2.45E-05	NSC2	TSPAN7
EMX2	1.64E-09	0.31879625	0.15	0.072	2.25E-05	NSC2	EMX2
CISD2	1.56E-09	0.25108143	0.102	0.041	2.14E-05	NSC2	CISD2
BROX	1.55E-09	0.29943871	0.111	0.046	2.12E-05	NSC2	BROX
RAB21	1.37E-09	0.4300504	0.232	0.133	1.88E-05	NSC2	RAB21
SRSF9	1.31E-09	0.31032664	0.139	0.064	1.80E-05	NSC2	SRSF9
UNC50	1.20E-09	0.27525251	0.113	0.047	1.65E-05	NSC2	UNC50
SELENOT	1.19E-09	0.41932792	0.18	0.093	1.63E-05	NSC2	SELENOT
LARP1	1.09E-09	0.36566419	0.273	0.158	1.49E-05	NSC2	LARP1
FKBP8	1.08E-09	0.37239426	0.169	0.084	1.48E-05	NSC2	FKBP8
RAB3A	9.90E-10	0.32465468	0.121	0.053	1.35E-05	NSC2	RAB3A
COX8A	9.87E-10	0.39476278	0.213	0.116	1.35E-05	NSC2	COX8A
ZFP36L2	8.95E-10	0.38568964	0.182	0.094	1.22E-05	NSC2	ZFP36L2

CHERP	8.64E-10	0.26199788	0.106	0.043	1.18E-05	NSC2	CHERP
SUMO1	8.37E-10	0.38899258	0.187	0.097	1.14E-05	NSC2	SUMO1
FIS1	8.02E-10	0.33228329	0.137	0.062	1.10E-05	NSC2	FIS1
LRPAP1	7.28E-10	0.30088181	0.154	0.073	9.95E-06	NSC2	LRPAP1
GNAI1	7.25E-10	0.26350015	0.13	0.057	9.92E-06	NSC2	GNAI1
BMPR1B	6.81E-10	0.44356615	0.525	0.389	9.32E-06	NSC2	BMPR1B
CERS6	6.33E-10	0.35238291	0.202	0.106	8.66E-06	NSC2	CERS6
ARHGEF33	6.30E-10	0.42255293	0.189	0.099	8.62E-06	NSC2	ARHGEF33
EPB41L4A	6.15E-10	0.43232964	0.217	0.12	8.41E-06	NSC2	EPB41L4A
RTN3	5.82E-10	0.39764818	0.636	0.518	7.96E-06	NSC2	RTN3
FAU	5.71E-10	0.28021082	0.104	0.041	7.81E-06	NSC2	FAU
CNRIP1	5.49E-10	0.39435089	0.178	0.09	7.51E-06	NSC2	CNRIP1
PTP4A2	5.37E-10	0.39496165	0.262	0.152	7.35E-06	NSC2	PTP4A2
SEZ6L	5.34E-10	0.38055494	0.189	0.097	7.30E-06	NSC2	SEZ6L
AK6	5.07E-10	0.35387683	0.158	0.076	6.93E-06	NSC2	AK6
FUBP3	4.83E-10	0.34745887	0.193	0.101	6.61E-06	NSC2	FUBP3
SCOC	4.48E-10	0.25377164	0.119	0.05	6.13E-06	NSC2	SCOC
ARL8A	4.45E-10	0.38354844	0.189	0.098	6.09E-06	NSC2	ARL8A
CA8	4.41E-10	0.52027443	0.336	0.219	6.03E-06	NSC2	CA8
NTNG2	3.95E-10	0.40787609	0.117	0.05	5.40E-06	NSC2	NTNG2
STARD13	3.79E-10	0.51083786	0.308	0.195	5.18E-06	NSC2	STARD13
COPS8	3.55E-10	0.29238107	0.121	0.051	4.85E-06	NSC2	COPS8
MDH1	3.45E-10	0.3680755	0.299	0.179	4.72E-06	NSC2	MDH1
KIAA1143	3.40E-10	0.30824465	0.102	0.04	4.65E-06	NSC2	KIAA1143
ATP6V0B	2.92E-10	0.32449891	0.15	0.069	3.99E-06	NSC2	ATP6V0B
CLDND1	2.73E-10	0.32428537	0.128	0.055	3.73E-06	NSC2	CLDND1
PTGES3	2.65E-10	0.45232977	0.306	0.189	3.62E-06	NSC2	PTGES3
SARAF	2.50E-10	0.32614043	0.106	0.042	3.43E-06	NSC2	SARAF
CLCN3	2.47E-10	0.43331355	0.341	0.214	3.38E-06	NSC2	CLCN3
IREB2	2.42E-10	0.38045129	0.226	0.122	3.31E-06	NSC2	IREB2
BCLAF1	2.20E-10	0.42148492	0.369	0.238	3.01E-06	NSC2	BCLAF1
PNMA8A	1.50E-10	0.28720408	0.115	0.046	2.06E-06	NSC2	PNMA8A
CACHD1	1.47E-10	0.50233021	0.529	0.411	2.01E-06	NSC2	CACHD1
SPATA6	1.39E-10	0.49148933	0.399	0.27	1.90E-06	NSC2	SPATA6
NUCKS1	1.35E-10	0.48020669	0.423	0.296	1.85E-06	NSC2	NUCKS1
SNCAIP	1.20E-10	0.38316803	0.165	0.078	1.64E-06	NSC2	SNCAIP
ATP6V1G1	1.16E-10	0.27460427	0.108	0.042	1.58E-06	NSC2	ATP6V1G1
VAMP2	1.14E-10	0.38181442	0.145	0.065	1.56E-06	NSC2	VAMP2
PTPN12	1.07E-10	0.42527425	0.358	0.229	1.46E-06	NSC2	PTPN12
FAM107B	1.01E-10	0.29661929	0.113	0.045	1.38E-06	NSC2	FAM107B
TMEM108	9.11E-11	0.54072924	0.302	0.183	1.25E-06	NSC2	TMEM108
SEZ6L2	8.24E-11	0.32726906	0.137	0.059	1.13E-06	NSC2	SEZ6L2
DYNLRB1	8.04E-11	0.41295335	0.2	0.102	1.10E-06	NSC2	DYNLRB1
PHPT1	6.78E-11	0.31325907	0.141	0.062	9.27E-07	NSC2	PHPT1
SALL1	6.68E-11	0.34879273	0.117	0.047	9.14E-07	NSC2	SALL1
TMEM131L	5.68E-11	0.33051471	0.117	0.047	7.77E-07	NSC2	TMEM131L

TRIR	5.01E-11	0.37250497	0.184	0.091	6.86E-07	NSC2	TRIR
COX1	4.85E-11	0.41874105	0.239	0.129	6.64E-07	NSC2	COX1
POMP	4.00E-11	0.30043503	0.124	0.05	5.47E-07	NSC2	POMP
PLK2	3.97E-11	0.27674214	0.108	0.041	5.44E-07	NSC2	PLK2
HBP1	3.69E-11	0.43110161	0.267	0.153	5.04E-07	NSC2	HBP1
WWTR1	3.48E-11	0.46026472	0.195	0.098	4.77E-07	NSC2	WWTR1
C1QL2	3.32E-11	0.42549908	0.18	0.088	4.55E-07	NSC2	C1QL2
LMO4	3.29E-11	0.40134649	0.234	0.124	4.50E-07	NSC2	LMO4
PAN3	2.61E-11	0.50918195	0.36	0.232	3.57E-07	NSC2	PAN3
NR2E1	2.56E-11	0.38579326	0.184	0.09	3.50E-07	NSC2	NR2E1
CCNG2	2.41E-11	0.36345274	0.13	0.054	3.29E-07	NSC2	CCNG2
N4BP2	2.36E-11	0.43558506	0.258	0.143	3.22E-07	NSC2	N4BP2
CREBZF	1.39E-11	0.27521512	0.111	0.041	1.90E-07	NSC2	CREBZF
HNRNPA2B	1.36E-11	0.44257447	0.623	0.499	1.86E-07	NSC2	HNRNPA2B1
ERH	1.31E-11	0.37315125	0.141	0.06	1.79E-07	NSC2	ERH
TMEM30A	1.25E-11	0.42366264	0.174	0.082	1.72E-07	NSC2	TMEM30A
VSNL1	1.00E-11	0.38487116	0.191	0.091	1.37E-07	NSC2	VSNL1
C14orf132	9.75E-12	0.29699587	0.13	0.053	1.33E-07	NSC2	C14orf132
DSTN	8.12E-12	0.46704143	0.226	0.118	1.11E-07	NSC2	DSTN
AGPAT5	6.31E-12	0.55135758	0.458	0.328	8.63E-08	NSC2	AGPAT5
TRIO	6.16E-12	0.47077809	0.69	0.599	8.43E-08	NSC2	TRIO
NCDN	6.00E-12	0.36657195	0.169	0.077	8.21E-08	NSC2	NCDN
LIN7C	5.90E-12	0.28065772	0.102	0.036	8.07E-08	NSC2	LIN7C
KLHDC3	5.20E-12	0.31629899	0.111	0.041	7.12E-08	NSC2	KLHDC3
MLC1	4.96E-12	0.55043977	0.521	0.388	6.78E-08	NSC2	MLC1
HOPX	4.46E-12	0.59436163	0.534	0.412	6.10E-08	NSC2	HOPX
TMF1	3.98E-12	0.31143049	0.126	0.049	5.44E-08	NSC2	TMF1
SYT4	3.93E-12	0.43334315	0.132	0.054	5.38E-08	NSC2	SYT4
APP	3.63E-12	0.45590039	0.748	0.683	4.96E-08	NSC2	APP
APPL1	3.23E-12	0.35861679	0.141	0.058	4.42E-08	NSC2	APPL1
VAPA	2.79E-12	0.38553627	0.176	0.08	3.82E-08	NSC2	VAPA
SCG3	2.70E-12	0.50088817	0.347	0.213	3.70E-08	NSC2	SCG3
CALR	2.53E-12	0.29282932	0.121	0.046	3.47E-08	NSC2	CALR
ATP5IF1	2.46E-12	0.34667252	0.145	0.06	3.37E-08	NSC2	ATP5IF1
DDOST	2.43E-12	0.31262389	0.124	0.047	3.32E-08	NSC2	DDOST
UCHL1	2.23E-12	0.48397278	0.295	0.165	3.06E-08	NSC2	UCHL1
TXNIP	2.04E-12	0.46972068	0.43	0.28	2.79E-08	NSC2	TXNIP
CST3	1.84E-12	0.56972484	0.395	0.261	2.51E-08	NSC2	CST3
BEX2	1.77E-12	0.37989803	0.161	0.07	2.42E-08	NSC2	BEX2
USP7	1.58E-12	0.35291077	0.156	0.067	2.17E-08	NSC2	USP7
CTSD	1.55E-12	0.42693119	0.193	0.091	2.12E-08	NSC2	CTSD
CFAP54	1.33E-12	0.43850727	0.184	0.085	1.82E-08	NSC2	CFAP54
PCP4	1.30E-12	0.35222017	0.141	0.057	1.77E-08	NSC2	PCP4
RTN1	8.84E-13	0.48471172	0.603	0.47	1.21E-08	NSC2	RTN1
SMYD2	7.87E-13	0.39173193	0.115	0.042	1.08E-08	NSC2	SMYD2
PRDX2	7.04E-13	0.29999668	0.108	0.038	9.63E-09	NSC2	PRDX2

SRSF6	7.03E-13	0.34547017	0.139	0.055	9.61E-09	NSC2	SRSF6
CDK6	6.50E-13	0.60764062	0.249	0.134	8.89E-09	NSC2	CDK6
SSBP4	4.82E-13	0.33045465	0.121	0.045	6.59E-09	NSC2	SSBP4
SNAP25	4.75E-13	0.48755609	0.575	0.447	6.50E-09	NSC2	SNAP25
ARHGEF28	4.56E-13	0.404474	0.145	0.059	6.23E-09	NSC2	ARHGEF28
ARHGAP5	4.46E-13	0.52927564	0.681	0.578	6.09E-09	NSC2	ARHGAP5
TERF2IP	3.93E-13	0.47203488	0.226	0.112	5.38E-09	NSC2	TERF2IP
TMBIM6	2.98E-13	0.50717603	0.315	0.177	4.07E-09	NSC2	TMBIM6
DCAF10	2.96E-13	0.49812386	0.278	0.151	4.04E-09	NSC2	DCAF10
STMN3	2.95E-13	0.44409388	0.176	0.078	4.04E-09	NSC2	STMN3
SUB1	2.63E-13	0.48931942	0.262	0.14	3.60E-09	NSC2	SUB1
SRSF10	2.20E-13	0.38352373	0.15	0.061	3.02E-09	NSC2	SRSF10
MARCKSL1	2.15E-13	0.37678616	0.13	0.05	2.94E-09	NSC2	MARCKSL1
CTTNBP2	2.06E-13	0.5223127	0.453	0.303	2.82E-09	NSC2	CTTNBP2
PSMB1	1.95E-13	0.35925498	0.121	0.044	2.67E-09	NSC2	PSMB1
TUBB4A	1.94E-13	0.43737416	0.163	0.068	2.66E-09	NSC2	TUBB4A
GPR37L1	1.93E-13	0.4886868	0.262	0.137	2.64E-09	NSC2	GPR37L1
HNRNPC	1.92E-13	0.50331498	0.377	0.227	2.63E-09	NSC2	HNRNPC
EIF4A2	1.85E-13	0.51430533	0.336	0.196	2.53E-09	NSC2	EIF4A2
REST	1.45E-13	0.41268487	0.176	0.076	1.98E-09	NSC2	REST
PUM2	1.39E-13	0.51579151	0.367	0.225	1.90E-09	NSC2	PUM2
SRSF11	1.22E-13	0.4662975	0.286	0.153	1.66E-09	NSC2	SRSF11
RPLP0	1.15E-13	0.39480231	0.143	0.056	1.57E-09	NSC2	RPLP0
GNAO1	1.14E-13	0.50455214	0.605	0.453	1.55E-09	NSC2	GNAO1
SRPX	1.11E-13	0.55736506	0.234	0.116	1.52E-09	NSC2	SRPX
IL6ST	1.06E-13	0.49304346	0.273	0.145	1.46E-09	NSC2	IL6ST
HHIP	9.81E-14	0.60112268	0.167	0.073	1.34E-09	NSC2	HHIP
C1QTNF4	9.68E-14	0.38229837	0.176	0.076	1.32E-09	NSC2	C1QTNF4
RING1	9.42E-14	0.28993313	0.108	0.036	1.29E-09	NSC2	RING1
CASC3	8.06E-14	0.39892717	0.191	0.086	1.10E-09	NSC2	CASC3
FKBP1A	6.86E-14	0.45027571	0.189	0.084	9.38E-10	NSC2	FKBP1A
RAN	6.02E-14	0.4279285	0.134	0.051	8.23E-10	NSC2	RAN
PDE5A	4.34E-14	0.59215972	0.28	0.151	5.94E-10	NSC2	PDE5A
PGK1	4.05E-14	0.38721528	0.141	0.054	5.55E-10	NSC2	PGK1
PAQR4	3.89E-14	0.36138322	0.113	0.038	5.32E-10	NSC2	PAQR4
DDR1	3.76E-14	0.54323868	0.312	0.175	5.14E-10	NSC2	DDR1
FGFR31	3.40E-14	0.46364591	0.401	0.24	4.65E-10	NSC2	FGFR3
HPCA	2.62E-14	0.37652764	0.128	0.046	3.59E-10	NSC2	HPCA
IFIT1	2.58E-14	0.32823247	0.108	0.036	3.52E-10	NSC2	IFIT1
DVL3	2.44E-14	0.3070507	0.113	0.038	3.34E-10	NSC2	DVL3
KIF1B1	2.12E-14	0.30766204	0.638	0.388	2.90E-10	NSC2	KIF1B
WSCD1	2.10E-14	0.50868286	0.23	0.111	2.87E-10	NSC2	WSCD1
PSAP	1.31E-14	0.61682544	0.453	0.309	1.79E-10	NSC2	PSAP
ARF5	1.19E-14	0.4362677	0.178	0.076	1.62E-10	NSC2	ARF5
SPINT2	1.11E-14	0.33553552	0.13	0.046	1.52E-10	NSC2	SPINT2
CD81	9.96E-15	0.5217983	0.486	0.329	1.36E-10	NSC2	CD81

GPM6B	8.30E-15	0.44097579	0.796	0.702	1.14E-10	NSC2	GPM6B
CCDC80	8.28E-15	0.56547965	0.215	0.101	1.13E-10	NSC2	CCDC80
CKB	6.77E-15	0.67580628	0.592	0.463	9.26E-11	NSC2	CKB
CCNH	6.72E-15	0.57451806	0.304	0.166	9.19E-11	NSC2	CCNH
NPDC1	6.29E-15	0.51490028	0.256	0.129	8.61E-11	NSC2	NPDC1
PLP1	6.26E-15	0.6204825	0.44	0.286	8.57E-11	NSC2	PLP1
NEFL	6.15E-15	0.3942935	0.137	0.05	8.42E-11	NSC2	NEFL
DSCAM	5.36E-15	0.67072559	0.529	0.379	7.33E-11	NSC2	DSCAM
IGF1R	5.22E-15	0.63308176	0.466	0.309	7.15E-11	NSC2	IGF1R
BSCL2	5.09E-15	0.47176624	0.252	0.123	6.97E-11	NSC2	BSCL2
LAMA4	4.87E-15	0.51208308	0.221	0.102	6.67E-11	NSC2	LAMA4
DACH1	4.36E-15	0.54414074	0.169	0.069	5.97E-11	NSC2	DACH1
ZHX3	3.77E-15	0.47017251	0.831	0.755	5.15E-11	NSC2	ZHX3
DCTN3	2.14E-15	0.33453087	0.121	0.041	2.93E-11	NSC2	DCTN3
ATP5F1A	2.11E-15	0.44469349	0.182	0.076	2.88E-11	NSC2	ATP5F1A
PTCH1	1.85E-15	0.84039177	0.564	0.428	2.53E-11	NSC2	PTCH1
RHOJ	1.05E-15	0.49033598	0.191	0.08	1.43E-11	NSC2	RHOJ
LMO2	1.00E-15	0.67364255	0.315	0.173	1.37E-11	NSC2	LMO2
TUBA4A	7.27E-16	0.38098317	0.134	0.047	9.95E-12	NSC2	TUBA4A
SEMA5B	6.69E-16	0.47521424	0.15	0.056	9.15E-12	NSC2	SEMA5B
AKT3	5.81E-16	0.4772657	0.796	0.697	7.94E-12	NSC2	AKT3
RPS9	4.78E-16	0.47720515	0.195	0.082	6.54E-12	NSC2	RPS9
SYT14	4.55E-16	0.73339774	0.616	0.488	6.22E-12	NSC2	SYT14
HNRNPH3	3.10E-16	0.38586068	0.158	0.06	4.24E-12	NSC2	HNRNPH3
CALD1	2.51E-16	0.53700803	0.419	0.25	3.44E-12	NSC2	CALD1
RNASEK	2.38E-16	0.43581522	0.176	0.07	3.26E-12	NSC2	RNASEK
YWHAG	1.75E-16	0.5318436	0.317	0.165	2.40E-12	NSC2	YWHAG
CHRD1	1.68E-16	0.50066867	0.178	0.071	2.29E-12	NSC2	CHRD1
RPS3	1.64E-16	0.46721104	0.18	0.073	2.25E-12	NSC2	RPS3
CDKN1B	1.52E-16	0.43415721	0.126	0.042	2.08E-12	NSC2	CDKN1B
ANXA5	1.14E-16	0.42511523	0.167	0.064	1.57E-12	NSC2	ANXA5
EIF4G2	1.09E-16	0.54258698	0.271	0.134	1.49E-12	NSC2	EIF4G2
FEM1B	1.01E-16	0.43420015	0.176	0.069	1.38E-12	NSC2	FEM1B
DIP2B	7.68E-17	0.5256515	0.458	0.272	1.05E-12	NSC2	DIP2B
PDLIM3	7.32E-17	0.60726778	0.345	0.194	1.00E-12	NSC2	PDLIM3
PSMD2	7.26E-17	0.39675505	0.132	0.044	9.93E-13	NSC2	PSMD2
CREB5	7.15E-17	0.65511601	0.243	0.113	9.78E-13	NSC2	CREB5
CD58	7.10E-17	0.45654869	0.156	0.058	9.71E-13	NSC2	CD58
RSRC2	6.05E-17	0.47036583	0.195	0.08	8.28E-13	NSC2	RSRC2
OLFM1	3.56E-17	0.5485172	0.312	0.159	4.87E-13	NSC2	OLFM1
CELF2	3.45E-17	0.42703456	0.672	0.415	4.72E-13	NSC2	CELF2
SLC25A3	3.18E-17	0.41786965	0.154	0.055	4.35E-13	NSC2	SLC25A3
TBL1XR1	2.32E-17	0.65824624	0.484	0.318	3.17E-13	NSC2	TBL1XR1
CPE	2.27E-17	0.58411073	0.905	0.911	3.11E-13	NSC2	CPE
MAP1B	2.20E-17	0.6578021	0.586	0.442	3.01E-13	NSC2	MAP1B
SMAD9	2.10E-17	0.53330554	0.299	0.15	2.88E-13	NSC2	SMAD9

NHS	2.00E-17	0.65072503	0.252	0.118	2.73E-13	NSC2	NHS
UBE4A	1.87E-17	0.46531392	0.197	0.08	2.56E-13	NSC2	UBE4A
TMEM132B	1.78E-17	0.74220557	0.625	0.504	2.44E-13	NSC2	TMEM132B
PPIG	1.39E-17	0.48841908	0.245	0.111	1.91E-13	NSC2	PPIG
DKK3	1.03E-17	0.57363627	0.325	0.171	1.41E-13	NSC2	DKK3
SRSF3	9.00E-18	0.38492397	0.132	0.043	1.23E-13	NSC2	SRSF3
SLC22A17	7.86E-18	0.64721699	0.427	0.261	1.08E-13	NSC2	SLC22A17
ZBTB18	7.46E-18	0.609909	0.252	0.117	1.02E-13	NSC2	ZBTB18
TSPAN18	7.22E-18	0.49886276	0.195	0.079	9.88E-14	NSC2	TSPAN18
YWHAH	7.05E-18	0.63545617	0.275	0.132	9.64E-14	NSC2	YWHAH
UBE2H	6.48E-18	0.57667208	0.408	0.227	8.86E-14	NSC2	UBE2H
HES1	5.19E-18	0.6241432	0.232	0.105	7.10E-14	NSC2	HES1
TUBB2B	3.36E-18	0.70403503	0.38	0.219	4.59E-14	NSC2	TUBB2B
CNIH2	3.17E-18	0.41325504	0.152	0.052	4.34E-14	NSC2	CNIH2
B4GAT1	3.11E-18	0.41938245	0.167	0.061	4.26E-14	NSC2	B4GAT1
SRRM2	2.55E-18	0.60775411	0.364	0.195	3.49E-14	NSC2	SRRM2
CNBP	1.87E-18	0.47087636	0.174	0.064	2.56E-14	NSC2	CNBP
GNAS	1.53E-18	0.65890158	0.479	0.304	2.10E-14	NSC2	GNAS
BNIP3	1.24E-18	0.49550253	0.2	0.08	1.70E-14	NSC2	BNIP3
SLC38A2	1.13E-18	0.42459533	0.132	0.042	1.54E-14	NSC2	SLC38A2
PTN1	9.27E-19	0.77829876	0.521	0.363	1.27E-14	NSC2	PTN
STAG1	8.20E-19	0.55841158	0.542	0.36	1.12E-14	NSC2	STAG1
FLNA	8.03E-19	0.36450934	0.108	0.03	1.10E-14	NSC2	FLNA
CDON	6.32E-19	0.75780452	0.302	0.151	8.65E-15	NSC2	CDON
SLC25A4	5.88E-19	0.47981364	0.163	0.058	8.04E-15	NSC2	SLC25A4
SLC36A4	5.70E-19	0.52254024	0.239	0.103	7.80E-15	NSC2	SLC36A4
CLIP2	3.12E-19	0.41746053	0.208	0.081	4.27E-15	NSC2	CLIP2
FAM3C	3.04E-19	0.48173608	0.208	0.083	4.16E-15	NSC2	FAM3C
RPS15	1.76E-19	0.53329041	0.184	0.068	2.41E-15	NSC2	RPS15
SPARC	1.33E-19	0.57161923	0.388	0.21	1.82E-15	NSC2	SPARC
PCSK1N	1.20E-19	0.55827303	0.256	0.113	1.64E-15	NSC2	PCSK1N
NUDT4	8.06E-20	0.52927876	0.293	0.136	1.10E-15	NSC2	NUDT4
KIF5C	7.88E-20	0.72363152	0.462	0.293	1.08E-15	NSC2	KIF5C
ASXL3	6.06E-20	0.61474974	0.23	0.096	8.29E-16	NSC2	ASXL3
SNTB1	3.30E-20	0.57036655	0.616	0.405	4.51E-16	NSC2	SNTB1
CCK	2.33E-20	0.44912651	0.156	0.051	3.19E-16	NSC2	CCK
MYL12A	5.40E-21	0.43049209	0.134	0.039	7.39E-17	NSC2	MYL12A
TCF4	3.73E-21	0.45849599	0.926	0.924	5.10E-17	NSC2	TCF4
BICD1	2.78E-21	0.58224619	0.785	0.66	3.80E-17	NSC2	BICD1
CRYAB	2.18E-21	0.4430493	0.208	0.077	2.98E-17	NSC2	CRYAB
MAP2K6	1.39E-21	0.69246488	0.297	0.14	1.90E-17	NSC2	MAP2K6
CYP7B1	8.35E-22	0.80780237	0.336	0.165	1.14E-17	NSC2	CYP7B1
ND5	5.85E-22	0.46747412	0.148	0.044	8.00E-18	NSC2	ND5
LRRC58	4.25E-22	0.48180647	0.202	0.073	5.81E-18	NSC2	LRRC58
RPS11	1.76E-22	0.36706725	0.111	0.027	2.40E-18	NSC2	RPS11
ZIC2	1.44E-22	0.49123397	0.143	0.042	1.97E-18	NSC2	ZIC2

MOXD1	1.43E-22	0.79009177	0.499	0.305	1.96E-18	NSC2	MOXD1
BZW1	1.42E-22	0.40868955	0.121	0.031	1.94E-18	NSC2	BZW1
CD59	1.10E-22	0.61829091	0.23	0.09	1.50E-18	NSC2	CD59
PNRC1	1.06E-22	0.54557361	0.189	0.066	1.45E-18	NSC2	PNRC1
WSB1	7.12E-23	0.8024299	0.57	0.391	9.73E-19	NSC2	WSB1
ITM2C	6.88E-23	0.71433096	0.393	0.208	9.41E-19	NSC2	ITM2C
ZFPM2	4.79E-23	0.6307476	0.835	0.737	6.55E-19	NSC2	ZFPM2
ARHGAP21	4.58E-23	0.54941119	0.584	0.34	6.27E-19	NSC2	ARHGAP21
RBM26	3.05E-23	0.62602055	0.451	0.239	4.17E-19	NSC2	RBM26
RPL10	2.27E-23	0.58535323	0.195	0.068	3.10E-19	NSC2	RPL10
DOK6	2.25E-23	0.78538694	0.551	0.362	3.07E-19	NSC2	DOK6
FREM1	1.80E-23	1.00610001	0.395	0.217	2.47E-19	NSC2	FREM1
NOTCH2	9.14E-24	0.7304457	0.588	0.389	1.25E-19	NSC2	NOTCH2
ASCL1	8.12E-24	0.38759994	0.091	0.018	1.11E-19	NSC2	ASCL1
RPL4	1.82E-24	0.58244086	0.189	0.063	2.50E-20	NSC2	RPL4
GLUL	1.39E-24	0.90015228	0.486	0.281	1.91E-20	NSC2	GLUL
CALM3	7.05E-25	0.67513512	0.275	0.112	9.64E-21	NSC2	CALM3
SLC35F1	6.49E-25	0.97866174	0.62	0.444	8.88E-21	NSC2	SLC35F1
GABARAPL2	4.70E-25	0.52346981	0.18	0.057	6.43E-21	NSC2	GABARAPL2
FTH1	4.16E-25	0.76636101	0.315	0.141	5.69E-21	NSC2	FTH1
SPCS1	8.43E-26	0.46016435	0.15	0.04	1.15E-21	NSC2	SPCS1
ARHGAP24	6.54E-26	1.01203184	0.336	0.157	8.94E-22	NSC2	ARHGAP24
ATP6AP1	3.12E-26	0.52260548	0.174	0.051	4.27E-22	NSC2	ATP6AP1
THY1	2.78E-26	0.63468348	0.241	0.087	3.80E-22	NSC2	THY1
AP2M1	2.03E-26	0.47700214	0.143	0.037	2.77E-22	NSC2	AP2M1
DBI	1.47E-26	0.5486427	0.178	0.053	2.01E-22	NSC2	DBI
PGAM1	1.41E-26	0.59046362	0.202	0.066	1.93E-22	NSC2	PGAM1
COX7B	1.09E-26	0.44431339	0.128	0.03	1.50E-22	NSC2	COX7B
LTBP1	7.75E-27	0.90551677	0.581	0.379	1.06E-22	NSC2	LTBP1
FXD6	5.15E-27	0.47917921	0.145	0.038	7.05E-23	NSC2	FXD6
RAB14	2.58E-27	0.62063794	0.252	0.092	3.53E-23	NSC2	RAB14
SERINC1	1.42E-27	0.77867116	0.354	0.162	1.94E-23	NSC2	SERINC1
ND3	1.02E-27	0.59845443	0.206	0.066	1.39E-23	NSC2	ND3
SHROOM3	5.78E-28	0.90691389	0.544	0.322	7.91E-24	NSC2	SHROOM3
YWHAB	3.94E-28	0.83080961	0.334	0.147	5.39E-24	NSC2	YWHAB
TUBB	3.21E-28	0.77155262	0.269	0.104	4.39E-24	NSC2	TUBB
CAPN9	2.87E-28	0.62500396	0.161	0.043	3.92E-24	NSC2	CAPN9
BTG1	9.76E-29	0.52618459	0.139	0.033	1.34E-24	NSC2	BTG1
NNAT	2.12E-29	0.57953093	0.178	0.05	2.90E-25	NSC2	NNAT
SETBP1	1.26E-29	0.81667602	0.445	0.219	1.72E-25	NSC2	SETBP1
SYNM	1.69E-30	0.82309567	0.308	0.125	2.31E-26	NSC2	SYNM
PROX1	5.58E-31	0.66799193	0.23	0.074	7.63E-27	NSC2	PROX1
ND2	4.20E-31	0.79711433	0.321	0.129	5.75E-27	NSC2	ND2
G3BP2	1.39E-31	0.52925273	0.184	0.05	1.90E-27	NSC2	G3BP2
MAP2	9.36E-32	0.92496081	0.753	0.636	1.28E-27	NSC2	MAP2
CALM2	6.00E-32	0.86591863	0.536	0.312	8.20E-28	NSC2	CALM2

PPIA	2.42E-32	0.80907231	0.308	0.12	3.31E-28	NSC2	PPIA
ITM2B	2.93E-33	0.92467231	0.484	0.255	4.00E-29	NSC2	ITM2B
NR2F1	1.18E-33	0.84332657	0.438	0.212	1.61E-29	NSC2	NR2F1
GNB2	6.06E-34	0.68591149	0.239	0.075	8.29E-30	NSC2	GNB2
SEMA6A	5.17E-34	0.84905982	0.341	0.135	7.07E-30	NSC2	SEMA6A
CHL1	4.93E-34	0.72155565	0.837	0.697	6.75E-30	NSC2	CHL1
CALM1	6.54E-35	0.93987939	0.597	0.362	8.94E-31	NSC2	CALM1
DPYSL3	3.51E-35	0.77540319	0.262	0.085	4.80E-31	NSC2	DPYSL3
PGRMC1	2.36E-35	0.64442508	0.184	0.047	3.23E-31	NSC2	PGRMC1
HNRNPK	1.12E-36	0.71512915	0.302	0.106	1.53E-32	NSC2	HNRNPK
LY6H	8.85E-37	0.7624163	0.282	0.094	1.21E-32	NSC2	LY6H
APOE	4.27E-37	1.26089802	0.727	0.569	5.85E-33	NSC2	APOE
ADAMTS18	2.78E-37	0.89816319	0.223	0.064	3.81E-33	NSC2	ADAMTS18
UBB	1.95E-41	0.89616029	0.312	0.105	2.67E-37	NSC2	UBB
HMGB1	1.61E-41	0.85831337	0.271	0.083	2.21E-37	NSC2	HMGB1
ND1	6.52E-42	0.91747391	0.421	0.173	8.92E-38	NSC2	ND1
COX2	5.66E-42	1.03162789	0.436	0.188	7.74E-38	NSC2	COX2
ACTG1	1.44E-45	1.2516846	0.479	0.232	1.96E-41	NSC2	ACTG1
PCSK6	4.04E-46	0.99228123	0.469	0.194	5.53E-42	NSC2	PCSK6
PTPRZ1	2.46E-46	0.85500938	0.937	0.889	3.37E-42	NSC2	PTPRZ1
STMN1	4.96E-49	0.94798236	0.302	0.089	6.79E-45	NSC2	STMN1
SOX6	2.58E-49	1.03404376	0.748	0.5	3.53E-45	NSC2	SOX6
CYTB	1.58E-51	1.04606922	0.425	0.156	2.16E-47	NSC2	CYTB
RPL15	2.36E-53	0.92386968	0.315	0.09	3.22E-49	NSC2	RPL15
UBC	1.82E-55	1.21094171	0.443	0.164	2.49E-51	NSC2	UBC
FRAS1	1.55E-56	1.16096212	0.566	0.254	2.12E-52	NSC2	FRAS1
KCNH7	1.89E-57	1.48309375	0.375	0.121	2.59E-53	NSC2	KCNH7
GAPDH	8.68E-59	1.09339831	0.38	0.116	1.19E-54	NSC2	GAPDH
TFAP2C	7.74E-59	0.75357197	0.193	0.033	1.06E-54	NSC2	TFAP2C
COX3	6.89E-60	1.30843986	0.505	0.208	9.42E-56	NSC2	COX3
ATP6	1.71E-60	0.86896908	0.289	0.068	2.34E-56	NSC2	ATP6
ACTB	1.56E-62	1.07359884	0.412	0.131	2.13E-58	NSC2	ACTB
FTL	6.69E-64	1.35493012	0.38	0.115	9.15E-60	NSC2	FTL
VCAN	4.58E-65	1.28585682	0.644	0.31	6.26E-61	NSC2	VCAN
B3GAT2	1.22E-68	0.90829988	0.193	0.028	1.67E-64	NSC2	B3GAT2
PEA15	1.30E-75	1.04043983	0.289	0.058	1.78E-71	NSC2	PEA15
NES	2.99E-78	0.4778346	0.111	0.006	4.09E-74	NSC2	NES
PDE1C	3.63E-80	1.23444569	0.254	0.044	4.97E-76	NSC2	PDE1C
FREM2	1.78E-87	0.84869041	0.165	0.015	2.44E-83	NSC2	FREM2
VIM	8.98E-89	1.34499804	0.306	0.058	1.23E-84	NSC2	VIM
ND4	8.71E-97	1.26986247	0.408	0.089	1.19E-92	NSC2	ND4
TNC	1.68E-161	1.82109407	0.961	0.51	2.29E-157	NSC2	TNC
NPSR1	7.12E-168	1.72386706	0.206	0.009	9.73E-164	NSC2	NPSR1