

Supplemental table 2: set of 394 genes

<u>Gene symbol</u>	<u>Ensemble ID</u>				
		C15orf24	ENSG00000134153	CTHRC1	ENSG00000164932
ABLIM1	ENSG00000099204	C16orf80	ENSG00000070761	CTNND1	ENSG00000198561
AC005921.3-1	ENSG00000108848	C1S	ENSG00000182326	CTR9	ENSG00000198730
AC010642.5-1	ENSG00000166718	C20orf108	ENSG00000124098	CTSK	ENSG00000143387
AC015922.3	ENSG00000220036	C20orf199	ENSG00000177410	CYP39A1	ENSG00000146233
AC022868.10-1	ENSG00000215034	C2orf28	ENSG00000138085	CYTL1	ENSG00000170891
AC091047.10-3	ENSG00000218599	C2orf40	ENSG00000119147	CYYR1	ENSG00000166265
ACADM	ENSG00000117054	C4orf32	ENSG00000174749	DCLRE1C	ENSG00000152457
ACBD3	ENSG00000182827	C5orf43	ENSG00000188725	DCTN4	ENSG00000132912
ACPL2	ENSG00000155893	C6orf49	ENSG00000124593	DCUN1D5	ENSG00000137692
ACTL6A	ENSG00000136518	C7orf60	ENSG00000164603	DDX17	ENSG00000100201
ADAMTS9	ENSG00000163638	C8orf40	ENSG00000176209	DDX18	ENSG00000088205
ADD3	ENSG00000148700	CALD1	ENSG00000122786	DENND5A	ENSG00000184014
AGPAT5	ENSG00000155189	CAPS2	ENSG00000180881	DHRS8	ENSG00000198189
AGPS	ENSG000000018510	CCL18	ENSG00000006074	DNAJA1	ENSG00000086061
AL121893.21-2	ENSG00000214612	CCPG1	ENSG00000214882	DNAJC10	ENSG00000077232
AL157394.15	ENSG00000180139	CD164	ENSG00000135535	DNAJC1	ENSG00000136770
AL662789.11	ENSG00000198599	CD59	ENSG00000085063	DPM1	ENSG00000000419
ALS2CR4	ENSG00000155755	CDKN1B	ENSG00000111276	DSTN	ENSG00000125868
ANAPC5	ENSG00000089053	CFH	ENSG00000000971	EEF2	ENSG00000167658
ANKRD13C	ENSG00000118454	CFL2	ENSG00000165410	EFHA1	ENSG00000165487
ANXA1	ENSG00000135046	CHCHD4	ENSG00000163528	EGR3	ENSG00000179388
ANXA7	ENSG00000138279	CHMP2B	ENSG00000083937	EIF1	ENSG00000173812
ARF4	ENSG00000168374	CHMP4A	ENSG00000100931	EIF2A	ENSG00000144895
ARL6IP1	ENSG00000170540	CILP	ENSG00000138615	EIF3H	ENSG00000147677
ARMC1	ENSG00000104442	CIRBP	ENSG00000099622	EIF5	ENSG00000100664
ARNT	ENSG00000143437	CLC	ENSG00000105205	ELK3	ENSG00000111145
ASPA	ENSG00000108381	CLDND1	ENSG00000080822	EPAS1	ENSG00000116016
ASPEN	ENSG00000106819	CLEC11A	ENSG00000105472	EPYC	ENSG00000083782
ATP5C1	ENSG00000165629	CLTA	ENSG00000122705	ETS1	ENSG00000134954
ATP5E	ENSG00000124172	CLU	ENSG00000120885	ETV5	ENSG00000171656
ATP5EP2	ENSG00000180389	CNN3	ENSG00000117519	EVI2A	ENSG00000126860
ATP5I	ENSG00000169020	CNOT8	ENSG00000155508	F13A1	ENSG00000124491
ATP6V0D2	ENSG00000147614	COL10A1	ENSG00000123500	FAM126B	ENSG00000155744
ATP6V0E	ENSG00000113732	COL3A1	ENSG00000168542	FAM134B	ENSG00000154153
ATPIF1	ENSG00000130770	COL6A3	ENSG00000163359	FAM162A	ENSG00000114023
AZIN1	ENSG00000155096	COL9A1	ENSG00000112280	FAM70A	ENSG00000125355
B4GALT4	ENSG00000121578	CoTC_ribozyme	ENSG00000221031	FAM96A	ENSG00000166797
BBS4	ENSG00000140463	COX4NB	ENSG00000131148	FAU	ENSG00000149806
BCAT1	ENSG00000060982	COX7A2	ENSG00000112695	FBLN7	ENSG00000144152
BEX5	ENSG00000184515	COX7A2L	ENSG00000115944	FBXO28	ENSG00000143756
BIN1	ENSG00000136717	CPEB4	ENSG00000113742	FCGBP	ENSG00000090920
BTAF1	ENSG00000095564	CPNE3	ENSG00000085719	FECH	ENSG00000066926
BUB3	ENSG00000154473	CPSF6	ENSG00000111605	FGD2	ENSG00000146192
BXDC5	ENSG00000117133	CREG1	ENSG00000143162	FKBP5	ENSG00000096060
C10orf104	ENSG00000166295	CRIPAK	ENSG00000179979	FKBP7	ENSG00000079150
C11orf10	ENSG00000134825	CRIPT	ENSG00000119878	FLRT3	ENSG00000125848
C11orf57	ENSG00000150776	CRISP3	ENSG00000096006	FMOD	ENSG00000122176
C12orf57	ENSG00000111678	CRNKL1	ENSG00000101343	FNDC1	ENSG00000164694
C13orf18	ENSG00000102445	CTGF	ENSG00000118523	FOSB	ENSG00000125740
C15orf15	ENSG00000137876				

FOS	ENSG00000170345	LAMP1	ENSG00000185896	PAN3	ENSG00000152520
FST	ENSG00000134363	LAPTM4B	ENSG00000104341	PANX3	ENSG00000154143
FUBP1	ENSG00000162613	LDB2	ENSG00000169744	PCDH8	ENSG00000136099
FUT11	ENSG00000196968	LEPREL1	ENSG00000090530	PCDHGA11	ENSG00000214567
FXYD6	ENSG00000137726	LIX1	ENSG00000145721	PCDHGA12	ENSG00000081853
FZD6	ENSG00000164930	LIX1L	ENSG00000152022	PCDHGA2	ENSG00000204955
GABARAPL2	ENSG00000034713	LPAR1	ENSG00000198121	PCDHGA3	ENSG00000214594
GABRG1	ENSG00000163285	LPL	ENSG00000175445	PCDHGA6	ENSG00000214580
GAK	ENSG00000178950	LRP4	ENSG00000134569	PCDHGA8	ENSG00000214574
GAP43	ENSG00000172020	LRRFIP2	ENSG00000093167	PCDHGB7	ENSG00000214570
GCA	ENSG00000115271	LRRTM4	ENSG00000176204	PCM1	ENSG00000078674
GHITM	ENSG00000165678	LTA4H	ENSG00000111144	PDCD10	ENSG00000114209
GLT8D2	ENSG00000120820	LYPLA1	ENSG00000120992	PENK	ENSG00000181195
GMD5	ENSG00000112699	LYRM5	ENSG00000205707	PFDN2	ENSG00000143256
GMFB	ENSG00000197045	LYSMD3	ENSG00000176018	PFDN5	ENSG00000123349
GNA13	ENSG00000120063	MAP4K3	ENSG00000011566	PIGK	ENSG00000142892
GOLGA5	ENSG00000066455	MARK3	ENSG00000075413	PITPNB	ENSG00000180957
GOLGA7	ENSG00000147533	MBNL1	ENSG00000152601	PLAG1	ENSG00000181690
GPR160	ENSG00000173890	MCCC1	ENSG00000078070	PLBD1	ENSG00000121316
GREM1	ENSG00000166923	MCC	ENSG00000171444	PLOD2	ENSG00000152952
GSTA4	ENSG00000170899	MED28	ENSG00000118579	PLS1	ENSG00000120756
HBA1	ENSG00000206172	MED30	ENSG00000164758	PLSCR1	ENSG00000188313
HBA2	ENSG00000188536	MED4	ENSG00000136146	PLSCR4	ENSG00000114698
HDAC1	ENSG00000116478	METTL3	ENSG00000165819	PM20D2	ENSG00000146281
HDAC4	ENSG00000068024	MGAT2	ENSG00000168282	PMEPA1	ENSG00000124225
HEMGN	ENSG00000136929	MNDA	ENSG00000163563	POMP	ENSG00000132963
HIST1H4C	ENSG00000197061	MOXD1	ENSG00000079931	PPAP2A	ENSG00000067113
HLA-DQB1	ENSG00000179344	MPO	ENSG00000005381	PPIC	ENSG00000168938
HLF	ENSG00000108924	MRPL47	ENSG00000136522	PPP1R14C	ENSG00000198729
HNRNPUL2	ENSG00000214753	MRPS22	ENSG00000175110	PPP1R2P4	ENSG00000215471
HTRA1	ENSG00000166033	MRPS35	ENSG00000061794	PPP6C	ENSG00000119414
IFRD1	ENSG00000006652	MTMR6	ENSG00000139505	PPT1	ENSG00000131238
IGF1R	ENSG00000140443	MYCBP2	ENSG00000005810	PRDX4	ENSG00000123131
IGFBP7	ENSG00000163453	NCOA4	ENSG00000138293	PSMB4	ENSG00000159377
IL1B	ENSG00000125538	NCUBE1	ENSG00000198833	PSMD12	ENSG00000197170
IL6ST	ENSG00000134352	NDFIP2	ENSG00000102471	PSMD14	ENSG00000115233
IRF2BP2	ENSG00000168264	NDP	ENSG00000124479	PTPLAD1	ENSG00000074696
ITGA6	ENSG00000091409	NET1	ENSG00000173848	PTPN4	ENSG00000088179
ITM2A	ENSG00000078596	NFAT5	ENSG00000102908	PXDN	ENSG00000130508
IVNS1ABP	ENSG00000116679	NFIB	ENSG00000147862	RAB11A	ENSG00000103769
JMJD1B	ENSG00000120733	NFIX	ENSG00000008441	RAB11FIP2	ENSG00000107560
JTB	ENSG00000143543	NFKBIA	ENSG00000100906	RAB18	ENSG00000099246
KCTD13	ENSG00000174943	NMI	ENSG00000123609	RAB2	ENSG00000104388
KDELR2	ENSG00000136240	NNMT	ENSG00000166741	RAP2A	ENSG00000125249
KIAA1370	ENSG00000047346	NPC2	ENSG00000119655	RCN2	ENSG00000117906
KIAA1377	ENSG00000110318	NPEPPS	ENSG00000141279	RGS18	ENSG00000150681
KIAA1432	ENSG00000107036	NRK	ENSG00000123572	RHOB	ENSG00000143878
KIAA1524	ENSG00000163507	NUP107	ENSG00000111581	RHOBTB1	ENSG00000072422
KLHDC2	ENSG00000165516	OAT	ENSG00000065154	RNF7	ENSG00000114125
KRT10	ENSG00000186395	OMD	ENSG00000127083	RPL15	ENSG00000174748

RPN1	ENSG00000163902	TAC1	ENSG00000006128
RPN2	ENSG00000118705	TAX1BP1	ENSG00000106052
RPS19P3	ENSG00000105372	TBC1D12	ENSG00000108239
RPS21	ENSG00000171858	TCEAL7	ENSG00000182916
RSBN1	ENSG00000081019	TCF4	ENSG00000196628
RSPO3	ENSG00000146374	TGFBI	ENSG00000120708
RYK	ENSG00000163785	TGFBR3	ENSG00000069702
S100A12	ENSG00000163221	THBS2	ENSG00000186340
S100A8	ENSG00000143546	THBS4	ENSG00000113296
SDC1	ENSG00000115884	TIMM17A	ENSG00000134375
SDC2	ENSG00000169439	TIMP3	ENSG00000100234
SDCBP	ENSG00000137575	TIPARP	ENSG00000163659
SEC22C	ENSG00000093183	TMCO3	ENSG00000150403
SEC23A	ENSG00000100934	TMED2	ENSG00000086598
SEC23B	ENSG00000101310	TMEM100	ENSG00000166292
SEC61G	ENSG00000132432	TMEM161B	ENSG00000164180
SEMA3C	ENSG00000075223	TMEM38B	ENSG00000095209
SEMA6D	ENSG00000137872	TMEM39A	ENSG00000176142
SERP1	ENSG00000120742	TMEM45A	ENSG00000181458
SERPINH1	ENSG00000149257	TMEM46	ENSG00000180730
SERTAD4	ENSG00000082497	TNFAIP6	ENSG00000123610
SF3B1	ENSG00000115524	TNFRSF11B	ENSG00000164761
SFRP1	ENSG00000104332	TNFSF11	ENSG00000120659
SFRS5	ENSG00000100650	TOMM6	ENSG00000214736
SH3BGR1	ENSG00000131171	TOX	ENSG00000198846
SHMT2	ENSG00000182199	TRAM1	ENSG00000067167
SLC15A4	ENSG00000139370	TRAM2	ENSG00000065308
SLC2A13	ENSG00000151229	TRAPPC4	ENSG00000196655
SLC39A11	ENSG00000133195	TSN	ENSG00000211460
SLC41A3	ENSG00000114544	TXNIP	ENSG00000117289
SLITRK6	ENSG00000184564	UBE2B	ENSG00000119048
SMG7	ENSG00000116698	UGP2	ENSG00000169764
SMOC1	ENSG00000198732	VAMP7	ENSG00000124333
SMOC2	ENSG00000112562	VCAM1	ENSG00000162692
SNAI2	ENSG00000019549	VCPIP1	ENSG00000175073
SNX16	ENSG00000104497	VEZF1	ENSG00000136451
SNX3	ENSG00000112335	VTA1	ENSG00000009844
SOCS4	ENSG00000180008	WAPAL	ENSG00000062650
SORL1	ENSG00000137642	YES1	ENSG00000176105
SPATA6	ENSG00000132122	YIPF5	ENSG00000145817
SPRED1	ENSG00000166068	ZBTB10	ENSG00000205189
SPRY2	ENSG00000136158	ZDHHC6	ENSG00000023041
SSFA2	ENSG00000138434	ZNF281	ENSG00000162702
STARD13	ENSG00000133121	ZNF652	ENSG00000198740
STK38L	ENSG00000211455		
STT3B	ENSG00000163527		
SUB1	ENSG00000113387		
SULF1	ENSG00000137573		
SYCP1	ENSG00000198765		
SYNM	ENSG00000182253		