

Supplementary Table 3. Top DEGs with lower and higher expression in SCZ in the ACC

ENSEMBL ID	Gene symbol	Gene name	% change SCZ	qvalue	ENSEMBL ID	Gene symbol	Gene name	% change SCZ	qvalue
ENSG00000132744	ACY3	aminoacylase 3	-56.9	3.58E-06	ENSG00000163220	S100A9	S100 calcium binding protein A9	176.3	2.28E-05
ENSG00000107821	KAZALD1	Kazal type serine peptidase inhibitor domain 1	-36.8	3.97E-08	ENSG00000184557	SOCS3	suppressor of cytokine signaling 3	125.9	3.09E-03
ENSG00000197921	HES5	hes family bHLH transcription factor 5	-34.5	2.51E-04	ENSG00000047457	CP	ceruloplasmin	105.9	2.28E-05
ENSG00000017483	SLC38A5	solute carrier family 38 member 5	-33.0	1.00E-06	ENSG00000254423	AC087203.1	processed pseudogene	82.3	1.62E-02
ENSG00000068976	PYGM	glycogen phosphorylase, muscle associated	-30.0	3.23E-06	ENSG00000026508	CD44	CD44 molecule (Indian blood group)	76.9	8.94E-05
ENSG00000272944	AC079834.2	long non-coding RNA	-29.3	1.78E-08	ENSG00000133048	CHI3L1	chitinase 3 like 1	73.0	3.11E-04
ENSG00000157734	SNX22	sorting nexin 22	-27.7	8.94E-07	ENSG00000018280	SLC11A1	solute carrier family 11 member 1	69.5	1.27E-03
ENSG00000049089	COL9A2	collagen type IX alpha 2 chain	-26.7	1.14E-05	ENSG00000087116	ADAMTS2	ADAM metalloproteinase with thrombospondin type 1 motif 2	67.4	3.08E-08
ENSG00000068078	FGFR3	fibroblast growth factor receptor 3	-25.4	2.99E-05	ENSG00000174226	SNX31	sorting nexin 31	64.4	1.27E-04
ENSG00000205704	LINC00634	long non-coding RNA 634	-25.3	1.77E-06	ENSG00000187193	MT1X	metallothionein 1X	62.8	6.77E-04
ENSG00000167614	TTYH1	tweety family member 1	-19.5	2.58E-05	ENSG00000246422	AC008781.2	long non-coding RNA	62.7	4.07E-05
ENSG00000106089	STX1A	syntaxin 1A	-18.2	1.41E-05	ENSG00000096060	FKBP5	FKBP prolyl isomerase 5	62.6	3.52E-04
ENSG00000144040	SFXN5	sideroflexin 5	-18.1	1.91E-05	ENSG00000127954	STEAP4	STEAP4 metalloredutase	62.1	8.94E-07
ENSG00000154764	WNT7A	Wnt family member 7A	-15.6	3.85E-04	ENSG00000255556	AC087203.2	processed pseudogene	61.3	3.13E-02
ENSG00000213846	NA	not named	-14.4	4.33E-02	ENSG00000242296	DEFB109A	unprocessed pseudogene	61.2	2.43E-03
ENSG00000100360	IFT27	intraflagellar transport 27	-14.3	4.07E-05	ENSG00000243415	AC107021.1	long non-coding RNA	59.6	9.75E-06
ENSG00000115604	IL18R1	interleukin 18 receptor 1	55.3	2.48E-02	ENSG00000136872	ALDOB	aldolase, fructose-bisphosphate B	58.6	5.68E-06
ENSG00000127954	STEAP4	STEAP4 metalloredutase	62.1	8.94E-07	ENSG00000148926	ADM	adrenomedullin	57.5	1.08E-02
ENSG00000242258	LINC00996	long non-coding RNA 996	-65.0	9.29E-07	ENSG00000069206	ADAM7	ADAM metalloproteinase domain 7	57.4	1.02E-04
ENSG00000163395	IGFN1	immunoglobulin like and fibronectin type III domain containing 1	-49.9	8.80E-05	ENSG00000224431	AC063976.2	processed pseudogene	55.9	1.33E-04
ENSG00000255980	AP000439.2	uncharacterized LOC102724265	-48.9	1.27E-04	ENSG00000280286	FRG1KP	unprocessed pseudogene	55.4	1.74E-04
ENSG00000157303	SUSD3	sushi domain containing 3	-47.6	4.15E-05	ENSG00000115604	IL18R1	interleukin 18 receptor 1	55.3	2.48E-02
ENSG00000168329	CX3CR1	C-X3-C motif chemokine receptor 1	-46.4	4.41E-04	ENSG00000151929	BAG3	BCL2 associated athanogene 3	55.2	3.14E-04
ENSG00000197992	CLEC9A	C-type lectin domain containing 9A	-43.9	6.26E-04	ENSG00000060138	YBX3	Y-box binding protein 3	54.7	4.31E-04
ENSG00000109255	NMU	neuromedin U	-43.8	3.25E-06	ENSG00000258667	HIF1A-AS3	HIF1A antisense RNA 3	54.5	2.57E-05
ENSG00000136297	MMD2	monocyte to macrophage differentiation associated 2	-42.8	7.38E-08	ENSG00000167772	ANGPTL4	angiopoietin like 4	54.3	9.29E-04
ENSG00000261325	LINC02192	long non-coding RNA 2192	-42.6	1.23E-06	ENSG00000145623	OSMR	oncostatin M receptor	53.1	9.85E-06
ENSG00000111404	RERGL	RERG like	-42.6	2.92E-06	ENSG00000133742	CA1	carbonic anhydrase 1	53.1	4.53E-05
ENSG00000110876	SELPLG	selectin P ligand	-42.0	1.27E-04	ENSG00000261051	AC107021.2	long non-coding RNA	53.1	2.30E-04
ENSG00000101306	MYLK2	myosin light chain kinase 2	-40.6	1.77E-06	ENSG00000279702	AL356266.1	not named	52.9	2.20E-04
ENSG00000228058	LINC01736	long non-coding RNA 1736	-40.4	3.91E-03	ENSG000000267934	AC010300.1	long non-coding RNA	52.9	6.60E-05
ENSG00000157005	SST	somatostatin	-39.5	6.63E-04	ENSG00000200680	SNORD115-4	snoRNA 115-4	52.8	2.54E-02
ENSG00000123358	NR4A1	nuclear receptor subfamily 4 group A member 1	-38.8	4.70E-04	ENSG00000279099	AC090740.1	not named	52.5	2.01E-04
ENSG00000159958	TNFRSF13C	TNF receptor superfamily member 13C	-38.2	2.99E-05	ENSG00000171051	FPR1	formyl peptide receptor 1	52.4	3.11E-02
ENSG00000080573	COL5A3	collagen type V alpha 3 chain	-38.2	3.10E-08	ENSG00000115594	IL1R1	interleukin 1 receptor type 1	52.3	2.63E-04
ENSG00000186081	KRT5	keratin 5	-38.2	8.48E-05	ENSG00000136011	STAB2	stabilin 2	51.7	2.26E-04
ENSG00000186891	TNFRSF18	TNF receptor superfamily member 18	-37.4	1.77E-04	ENSG00000236576	AC241520.1	processed pseudogene	51.7	1.01E-04
ENSG00000019186	CYP24A1	cytochrome P450 family 24 subfamily A member 1	-37.0	1.33E-03	ENSG00000261668	AC093591.2	long non-coding RNA	51.6	1.49E-05
ENSG00000172987	HPSE2	heparanase 2 (inactive)	-36.8	1.77E-06	ENSG00000239828	AC063944.1	long non-coding RNA	51.3	1.49E-05
ENSG00000271824	SMIM32	small integral membrane protein 32	-36.3	6.42E-05	ENSG00000170379	TCAF2	TRPM8 channel associated factor 2	50.6	4.64E-05
ENSG00000140678	ITGAX	integrin subunit alpha X	-35.3	3.11E-05	ENSG00000173530	TNFRSF10D	TNF receptor superfamily member 10d	50.1	1.80E-03
ENSG00000241945	PWP2	PWP2 small subunit processome component	-35.1	1.80E-01	ENSG00000270523	NA	not named	50.1	6.74E-03

ENSG00000214776	AC092821.1	transcribed unprocessed pseudogene	-35.0	4.13E-01	ENSG00000260551	PWRN2	long non-coding RNA PWRN2	50.0	1.37E-02
ENSG00000164488	DACT2	dishevelled binding antagonist of beta catenin 2	-34.6	3.01E-04	ENSG00000256274	TAS2R64P	transcribed unprocessed pseudogene TAS2R64P	50.0	1.30E-02
ENSG00000141485	SLC13A5	solute carrier family 13 member 5	-34.0	1.77E-06	ENSG00000137462	TLR2	toll like receptor 2	49.8	6.77E-04
ENSG00000121858	TNFSF10	TNF superfamily member 10	-34.0	8.62E-04	ENSG00000279050	PWAR1	PWAR1	49.6	7.28E-06
ENSG00000154930	ACSS1	acyl-CoA synthetase short chain family member 1	-33.5	4.43E-07	ENSG00000283281	MIR7978	microRNA 7978	49.4	6.72E-04
ENSG00000179178	TMEM125	transmembrane protein 125	-33.4	1.99E-03	ENSG00000257894	AC027288.3	long non-coding RNA	49.0	3.01E-04
ENSG00000169562	GJB1	gap junction protein beta 1	-33.3	2.57E-03	ENSG00000236295	AC007557.3	long non-coding RNA	48.9	1.07E-03
ENSG00000122223	CD244	CD244 molecule	-33.1	1.04E-03	ENSG00000269506	AC110792.2	long non-coding RNA	48.6	2.55E-04
ENSG00000251226	LINC02714	long intergenic non-protein coding RNA 2714	-32.7	3.92E-02	ENSG00000253137	AC092709.1	processed pseudogene	48.0	4.02E-04
ENSG00000186818	LILRB4	leukocyte immunoglobulin like receptor B4	-32.7	3.56E-03	ENSG00000004799	PKD4	pyruvate dehydrogenase kinase 4	48.0	1.13E-04
ENSG00000124205	EDN3	endothelin 3	-32.5	8.03E-06	ENSG00000003989	SLC7A2	solute carrier family 7 member 2	47.8	2.58E-05
ENSG00000197582	GPX1P1	processed pseudogene	-32.5	4.55E-01	ENSG00000186714	CCDC73	coiled-coil domain containing 73	47.6	2.42E-03
ENSG00000205116	TMEM88B	transmembrane protein 88B	-32.3	2.28E-02	ENSG00000243715	CACNA2D3-AS1	long non-coding RNA antisense CACNA2D3	47.4	1.09E-04
ENSG00000054179	ENTPD2	ectonucleoside triphosphate diphosphohydrolase 2	-32.2	1.71E-04	ENSG00000275413	AC002553.2	long non-coding RNA	47.3	1.06E-03
ENSG00000100362	PVALB	parvalbumin	-32.1	6.28E-03	ENSG00000254556	AF131215.2	long non-coding RNA	47.2	1.11E-04
ENSG00000010319	SEMA3G	semaphorin 3G	-32.0	5.36E-06	ENSG00000135245	HILPDA	hypoxia inducible lipid droplet associated	47.1	4.70E-03
ENSG00000141682	PMAI1P1	phorbol-12-myristate-13-acetate-induced protein 1	-32.0	7.52E-04	ENSG00000134531	EMP1	epithelial membrane protein 1	47.0	5.03E-03
ENSG00000118777	ABCG2	ATP binding cassette subfamily G member 2 (Junior blood group)	-31.5	1.98E-06	ENSG00000229975	LIPT1P1	processed pseudogene	46.8	3.43E-04
ENSG00000256193	LINC00507	long non-coding RNA 507	-31.5	2.76E-05	ENSG00000260721	AF067845.1	long non-coding RNA	46.5	1.36E-03
ENSG00000236008	LINC01814	long non-coding RNA 1814	-31.5	1.44E-03	ENSG00000271204	AC016831.5	long non-coding RNA	46.0	6.87E-05
ENSG00000177133	PRDM16-DT	long non-coding RNA	-31.3	7.12E-05	ENSG00000278840	AC009878.1	long non-coding RNA	46.0	5.45E-04
ENSG00000207933	MIR9-1	microRNA 9-1	-31.3	2.34E-02	ENSG00000235410	AL157896.1	long non-coding RNA	45.9	3.41E-03
ENSG00000184574	LPAR5	lysophosphatidic acid receptor 5	-31.3	2.72E-03	ENSG00000138271	GPR87	G protein-coupled receptor 87	45.6	9.88E-04
ENSG00000227544	AC018647.1	long non-coding RNA	-31.2	1.58E-03	ENSG00000251348	HSPD1P11	processed pseudogene	45.4	8.94E-07
ENSG00000280776	LINC01202	long non-coding RNA 507	-31.2	1.22E-04	ENSG00000149573	MPZL2	myelin protein zero like 2	45.4	2.90E-02
ENSG00000154330	PGM5	phosphoglucomutase 5	-31.1	2.92E-06	ENSG00000099860	GADD45B	growth arrest and DNA damage inducible beta	45.3	1.12E-02