

Supplementary Table 2. Top DEGs with lower and higher expression in SCZ in the DLPFC

ENSEMBL ID	Gene symbol	Gene name	% change SCZ	qvalue	ENSEMBL ID	Gene symbol	Gene name	% change SCZ	qvalue
ENSG00000242258	LINC00996	long non-coding RNA 996	-68.4	9.83E-06	ENSG00000163220	S100A9	S100 calcium binding protein A9	179.8	1.18E-04
ENSG00000132744	ACY3	aminoacylase 3	-53.6	6.92E-04	ENSG00000184557	SOCS3	suppressor of cytokine signaling 3	156.8	1.97E-03
ENSG00000260599	AC011467.1	long non-coding RNA	-46.3	1.49E-04	ENSG00000047457	CP	ceruloplasmin	133.1	7.83E-06
ENSG00000136297	MMD2	monocyte to macrophage differentiation associated 2	-44.7	5.68E-06	ENSG00000018280	SLC11A1	solute carrier family 11 member 1	106.6	4.69E-05
ENSG00000111404	RERGL	RERG like	-43.6	4.69E-05	ENSG00000115604	IL18R1	interleukin 18 receptor 1	98.3	2.19E-03
ENSG00000019186	CYP24A1	cytochrome P450 family 24 subfamily A member 1	-42.2	3.15E-03	ENSG00000171051	FPR1	formyl peptide receptor 1	98.2	1.32E-03
ENSG00000269138	ZNF209P	unprocessed pseudogene ZNF209	-41.4	9.83E-06	ENSG00000026508	CD44	CD44 molecule (Indian blood group)	91.5	4.86E-05
ENSG00000215380	AC090625.1	processed pseudogene	-40.5	1.97E-03	ENSG00000185201	IFITM2	interferon induced transmembrane protein 2	84.9	1.88E-04
ENSG00000101306	MYLK2	myosin light chain kinase 2	-39.5	7.72E-05	ENSG00000096060	FKBP5	FKBP prolyl isomerase 5	82.4	4.90E-06
ENSG00000197238	HIST1H4J	histone cluster 1 H4 family member j	-39.0	3.03E-02	ENSG00000197249	SERPINA1	serpin family A member 1	82.3	1.32E-03
ENSG00000121858	TNFSF10	TNF superfamily member 10	-38.4	6.79E-04	ENSG00000177575	CD163	CD163 molecule	79.3	4.91E-03
ENSG00000141485	SLC13A5	solute carrier family 13 member 5	-38.0	1.77E-05	ENSG00000102287	GABRE	gamma-aminobutyric acid type A receptor epsilon subunit	77.2	5.68E-06
ENSG00000157005	SST	somatostatin	-37.8	3.84E-03	ENSG00000148926	ADM	adrenomedullin	75.9	4.70E-03
ENSG00000207933	MIR9-1	microRNA 9-1	-37.7	2.80E-02	ENSG00000106211	HSPB1	heat shock protein family B (small) member 1	74.3	9.26E-04
ENSG00000163815	CLEC3B	C-type lectin domain family 3 member B	-37.0	1.15E-04	ENSG00000115594	IL1R1	interleukin 1 receptor type 1	74.0	2.12E-06
ENSG00000122223	CD244	CD244 molecule	-36.9	5.72E-04	ENSG00000213088	ACKR1	atypical chemokine receptor 1 (Duffy blood group)	73.7	1.86E-04
ENSG00000109255	NMU	neuromedin U	-35.9	3.03E-05	ENSG00000173530	TNFRSF10D	TNF receptor superfamily member 10d	73.0	1.86E-04
ENSG00000154930	ACSS1	acyl-CoA synthetase short chain family member 1	-35.3	2.01E-05	ENSG00000187193	MT1X	metallothionein 1X	73.0	2.16E-04
ENSG00000080573	COL5A3	collagen type V alpha 3 chain	-35.1	3.58E-05	ENSG00000060138	YBX3	Y-box binding protein 3	72.4	2.72E-05
ENSG00000163395	IGFN1	immunoglobulin like and fibronectin type III domain containing 1	-35.0	3.79E-02	ENSG00000090339	ICAM1	intercellular adhesion molecule 1	72.0	6.83E-04
ENSG00000139329	LUM	lumican	-34.9	1.18E-04	ENSG00000077238	IL4R	interleukin 4 receptor	71.2	2.85E-05
ENSG00000164600	NEUROD6	neuronal differentiation 6	-34.7	8.75E-07	ENSG00000142089	IFITM3	interferon induced transmembrane protein 3	68.9	3.17E-04
ENSG00000168329	CX3CR1	C-X3-C motif chemokine receptor 1	-34.7	3.49E-02	ENSG00000167772	ANGPTL4	angiopoietin like 4	67.4	1.15E-03
ENSG00000197992	CLEC9A	C-type lectin domain containing 9A	-34.4	2.16E-02	ENSG00000133048	CHI3L1	chitinase 3 like 1	66.2	3.59E-03
ENSG00000133433	GSTT2B	glutathione S-transferase theta 2B (gene/pseudogene)	-34.3	1.33E-02	ENSG00000196616	ADH1B	alcohol dehydrogenase 1B (class I), beta polypeptide	65.0	1.47E-03
ENSG00000255980	AP000439.2	uncharacterized LOC102724265	-34.3	3.48E-02	ENSG00000202566	MIR421	microRNA 421	64.5	9.28E-04
ENSG00000273542	HIST1H4K	histone cluster 1 H4 family member k	-34.2	4.18E-02	ENSG00000145623	OSMR	oncostatin M receptor	63.3	3.64E-06
ENSG00000169562	GJB1	gap junction protein beta 1	-34.1	3.55E-04	ENSG00000124762	CDKN1A	cyclin dependent kinase inhibitor 1A	62.2	4.74E-03
ENSG00000261325	LINC02192	long non-coding RNA 2192	-34.0	1.86E-04	ENSG00000001617	SEMA3F	semaphorin 3F	60.9	3.51E-06
ENSG00000236008	LINC01814	long non-coding RNA 1814	-33.9	2.66E-03	ENSG00000128016	ZFP36	ZFP36 ring finger protein	60.6	3.04E-02
ENSG00000147571	CRH	corticotropin releasing hormone	-33.6	1.29E-03	ENSG00000149573	MPZL2	myelin protein zero like 2	60.4	7.05E-03
ENSG00000210195	MT-TT	mitochondrial transfer RNA TT	-33.0	2.93E-02	ENSG00000102265	TIMP1	TIMP metalloproteinase inhibitor 1	60.2	3.67E-04
ENSG00000179178	TMEM125	transmembrane protein 125	-33.0	1.33E-03	ENSG00000125810	CD93	CD93 molecule	59.8	1.76E-03
ENSG00000186081	KRT5	keratin 5	-32.6	3.90E-04	ENSG00000151929	BAG3	BCL2 associated athanogene 3	59.8	4.25E-04
ENSG00000118777	ABCG2	ATP binding cassette subfamily G member 2 (Junior blood group)	-32.4	4.90E-06	ENSG00000101276	SLC52A3	solute carrier family 52 member 3	59.2	1.22E-03
ENSG00000231252	AC099792.1	long non-coding RNA	-32.3	2.60E-05	ENSG00000241158	ADAMTS9-AS1	ADAMTS9 antisense 1	59.1	3.61E-05
ENSG00000227544	AC018647.1	long non-coding RNA	-32.1	7.01E-05	ENSG00000260337	AC091544.4	long non-coding RNA	58.8	1.14E-03
ENSG00000238243	OR2W3	olfactory receptor family 2 subfamily W member 3	-32.1	1.04E-02	ENSG00000134531	EMP1	epithelial membrane protein 1	58.7	4.91E-03
ENSG000000086159	AQP6	aquaporin 6	-32.0	6.31E-06	ENSG00000203747	FCGR3A	Fc fragment of IgG receptor IIIa	58.7	1.58E-02
ENSG00000254081	LINC01299	long non-coding RNA 1299	-31.9	1.12E-02	ENSG000000087116	ADAMTS2	ADAM metalloproteinase with thrombospondin type 1 motif 2	58.6	1.34E-05
ENSG00000128606	LRRC17	leucine rich repeat containing 17	-31.9	3.51E-06	ENSG00000155659	VSIG4	V-set and immunoglobulin domain containing 4	58.5	2.73E-02

ENSG00000271824	SMIM32	small integral membrane protein 32	-31.2	2.66E-03	ENSG00000224431	AC063976.2	processed pseudogene	58.2	1.19E-03
ENSG00000017483	SLC38A5	solute carrier family 38 member 5	-31.1	4.86E-04	ENSG00000127954	STEAP4	STEAP4 metalloreductase	57.6	2.08E-04
ENSG00000117594	HSD11B1	hydroxysteroid 11-beta dehydrogenase 1	-31.0	5.47E-04	ENSG00000136011	STAB2	stabilin 2	57.5	8.38E-04
ENSG00000177133	PRDM16-DT	long non-coding RNA PRDM16-DT	-30.8	2.47E-03	ENSG00000150337	FCGR1A	Fc fragment of IgG receptor Ia	57.0	1.15E-02
ENSG00000004468	CD38	CD38 molecule	-30.4	2.20E-04	ENSG00000137462	TLR2	toll like receptor 2	56.8	4.18E-04
ENSG00000107821	KAZALD1	Kazal type serine peptidase inhibitor domain 1	-30.2	1.32E-04	ENSG00000136872	ALDOB	aldolase, fructose-bisphosphate B	56.7	5.24E-05
ENSG00000127472	PLA2G5	phospholipase A2 group V	-30.1	2.63E-03	ENSG00000178726	THBD	thrombomodulin	56.5	9.83E-04
ENSG00000086717	PPEF1	protein phosphatase with EF-hand domain 1	-29.8	4.90E-06	ENSG00000143226	FCGR2A	Fc fragment of IgG receptor IIa	56.1	6.27E-03
ENSG00000188729	OSTN	osteonin	-29.2	1.16E-02	ENSG00000137801	THBS1	thrombospondin 1	55.9	2.63E-04
ENSG00000120875	DUSP4	dual specificity phosphatase 4	-28.8	2.03E-02	ENSG00000249717	AC110760.2	long non-coding RNA	55.0	2.36E-03
ENSG00000255004	AL133330.2	long non-coding RNA	-28.7	7.74E-03	ENSG00000099860	GADD45B	growth arrest and DNA damage inducible beta	54.8	1.08E-02
ENSG00000172987	HPSE2	heparanase 2 (inactive)	-28.6	5.37E-05	ENSG00000149257	SERPINH1	serpin family H member 1	53.0	1.18E-02
ENSG00000118729	CASQ2	calsequestrin 2	-28.5	7.19E-03	ENSG00000259690	AC107980.1	long non-coding RNA	52.7	3.43E-03
ENSG00000196862	RGPD4	RANBP2 like and GRIP domain containing 4	-28.3	4.57E-03	ENSG00000279099	AC090740.1	not named	52.5	2.59E-03
ENSG00000159958	TNFRSF13C	TNF receptor superfamily member 13C	-28.2	1.29E-02	ENSG00000198959	TGM2	transglutaminase 2	52.5	1.16E-04
ENSG00000204603	LINC01257	long non-coding RNA 1257	-28.1	2.51E-03	ENSG00000257335	MGAM	maltase-glucoamylase	52.4	2.73E-03
ENSG00000197360	ZNF98	zinc finger protein 98	-28.0	4.01E-05	ENSG00000203987	AL772363.1	long non-coding RNA	52.0	7.26E-03
ENSG00000068976	PYGM	glycogen phosphorylase, muscle associated	-27.9	1.36E-03	ENSG00000137507	LRR32	leucine rich repeat containing 32	51.4	2.76E-04
ENSG00000154330	PGM5	phosphoglucomutase 5	-27.9	7.15E-05	ENSG00000223401	NA	not named	51.3	1.12E-03
ENSG00000091513	TF	transferrin	-27.9	6.81E-04	ENSG00000135245	HILPDA	hypoxia inducible lipid droplet associated	51.3	2.82E-03
ENSG00000006128	TAC1	tachykinin precursor 1	-27.9	8.66E-04	ENSG00000186567	CEACAM19	carcinoembryonic antigen related cell adhesion molecule 19	51.0	7.45E-04
ENSG00000086506	HBQ1	hemoglobin subunit theta 1	-27.9	6.27E-03	ENSG00000168404	MLKL	mixed lineage kinase domain like pseudokinase	50.8	1.14E-03
ENSG00000197430	OPALIN	oligodendrocytic myelin paranodal and inner loop protein	-27.8	4.89E-03	ENSG00000221869	CEBPD	CCAAT enhancer binding protein delta	50.1	7.61E-03
ENSG00000185269	NOTUM	notum, palmitoleoyl-protein carboxylesterase	-27.8	9.59E-03	ENSG00000275395	FCGBP	Fc fragment of IgG binding protein	50.0	2.73E-02
ENSG00000186891	TNFRSF18	TNF receptor superfamily member 18	-27.5	2.35E-02	ENSG00000101187	SLCO4A1	solute carrier organic anion transporter family member 4A1	49.8	3.54E-04
ENSG00000249436	AC008780.1	long non-coding RNA	-27.5	9.56E-04	ENSG00000125148	MT2A	metallothionein 2A	49.2	4.85E-03
ENSG00000129538	RNASE1	ribonuclease A family member 1, pancreatic	-27.5	1.56E-03	ENSG00000227188	MGAT3-AS1	MGAT3 antisense 1	48.7	1.73E-03