

Supplementary Table 3. Genes differentially expressed in MSA striatum

Gene	Accession #	Log2 fold change	P-value	BY.p.value
KIAA1161	NM_020702.3	-0.984	2.44E-05	0.0853
EFNA1	NM_004428.2	1.9	5.45E-05	0.0853
SLC11A1	NM_000578.2	3.68	5.66E-05	0.0853
CCL2	NM_002982.3	3.99	7.51E-05	0.0853
TGFB1	NM_000660.4	1.27	0.000146	0.112
PSMB9	NM_002800.4	1.16	0.000148	0.112
STAT3	NM_003150.3	1.13	0.000223	0.145
SPI1	NM_003120.1	1.22	0.000318	0.172
SLC1A2	NM_004171.3	-1.39	0.000404	0.172
MOG	NM_001008228.2	2.26	0.000419	0.172
LMNA	NM_005572.2	1.77	0.000479	0.172
CALB1	NM_004929.2	-2.04	0.000628	0.172
SERPINB6	NM_004568.4	0.875	0.000643	0.172
OSMR	NM_003999.2	1.66	0.000664	0.172
KLK6	NM_001012964.2	2.58	0.000719	0.172
MSN	NM_002444.2	0.866	0.000729	0.172
P2RX7	NM_002562.5	1.39	0.000735	0.172
JAM3	NM_032801.3	1.19	0.000773	0.172
HSPB1	NM_001540.3	2.19	0.00078	0.172
ARHGEF10	NM_014629.2	1.07	0.000782	0.172
MYRF	NM_001127392.1	1.96	0.000821	0.172
INSR	NM_000208.2	0.702	0.000845	0.172
DOT1L	NM_032482.2	1.48	0.000868	0.172
CSF1	NM_000757.4	1.37	0.000937	0.176
CD44	NM_001001392.1	2.89	0.000966	0.176
ATF4	NM_001675.2	1.05	0.00105	0.183
CD14	NM_000591.2	2.12	0.00112	0.188
PFN1	NM_005022.2	0.854	0.00119	0.193
CLN8	NM_018941.3	1.07	0.00127	0.198
SMN1	NM_000344.3	0.469	0.00134	0.202
NEO1	NM_002499.2	0.733	0.00145	0.213
NPC1	NM_000271.3	1.34	0.00155	0.22
CDKN1A	NM_000389.2	2.04	0.00183	0.239
TLR2	NM_003264.3	1.56	0.00184	0.239
XBP1	NM_005080.2	1.04	0.00186	0.239
STAT1	NM_139266.1	0.617	0.00199	0.239
NKX6	NM_177400.2	1.8	0.00206	0.239
DNM2	NM_004945.2	1.68	0.00208	0.239
SOX10	NM_006941.3	1.5	0.00209	0.239
COMT	NM_007310.2	1.18	0.00211	0.239

ATF6	NM_007348.2	0.416	0.00216	0.239
CAST	NM_001042444.1	0.819	0.00223	0.242
GBA	NM_001005742.2	-0.465	0.00234	0.247
TF	NM_001063.2	1.9	0.0024	0.247
LAMP1	NM_005561.3	0.706	0.00245	0.247
PLEKHO2	NM_025201.4	0.783	0.00266	0.259
AKT1	NM_001014432.1	0.658	0.00273	0.259
EGFR	NM_201282.1	-0.526	0.00278	0.259
BCAS1	NM_003657.2	1.58	0.00279	0.259
MBP	NM_002385.2	1.94	0.00292	0.262
DDIT3	NM_004083.4	0.957	0.00294	0.262
MAG	NM_001199216.1	1.56	0.0031	0.271
AIF1	NM_032955.1	1.13	0.00317	0.272
NFKBIA	NM_020529.1	0.995	0.00326	0.275
NGFR	NM_002507.3	2.99	0.00341	0.282
TNC	NM_002160.3	2.38	0.00393	0.316
LCLAT1	NM_001002257.1	-0.533	0.00409	0.316
SOD2	NM_000636.2	1.36	0.00414	0.316
MAPKAPK2	NM_004759.3	1.1	0.00416	0.316
PSMB8	NM_004159.4	0.649	0.00417	0.316
SH3TC2	NM_024577.3	1.35	0.00463	0.34
BACE1	NM_012104.3	0.823	0.00473	0.34
TNFRSF1A	NM_001065.2	1.15	0.00476	0.34
DLAT	NM_001931.4	-0.37	0.00484	0.34
CERS2	NM_022075.3	1.22	0.00494	0.34
PHF21A	NM_016621.3	0.7	0.00494	0.34
IL13RA1	NM_001560.2	0.898	0.00508	0.345
SF3B2	NM_006842.2	0.461	0.00549	0.363
GAL3ST1	NM_004861.1	1.44	0.00551	0.363
GSN	NM_000177.4	1.21	0.00599	0.386
PPP2R5C	NM_002719.3	-0.56	0.00603	0.386
TRIM28	NM_005762.2	0.283	0.00643	0.406
SIRT2	NM_012237.3	0.918	0.00683	0.425
PLXNB3	NM_001163257.1	1.38	0.00724	0.445
HMGB1	NM_002128.4	0.541	0.00748	0.449
CUL3	NM_003590.2	-0.438	0.0075	0.449
PRKCA	NM_002737.2	0.262	0.00766	0.452
PMP22	NM_000304.3	0.972	0.00777	0.453
PLA2G16	NM_007069.3	0.944	0.008	0.456
CREB1	NM_004379.3	0.525	0.00811	0.456
NOVA1	NM_006489.2	0.272	0.00828	0.456
HSPA6	NM_002155.3	3.31	0.00832	0.456

SOX9	NM_000346.2	-0.47	0.00841	0.456
FA2H	NM_024306.4	1.36	0.00842	0.456
GJB1	NM_000166.5	1.54	0.00859	0.459
BAX	NM_138761.3	0.517	0.00884	0.46
SGPL1	NM_003901.3	0.63	0.00896	0.46
TGFBR2	NM_001024847.1	0.646	0.00901	0.46
ACAA1	NM_001130410.1	0.627	0.00909	0.46
HTT	NM_002111.7	-0.618	0.0091	0.46
JUN	NM_002228.3	0.657	0.00922	0.461
UGT8	NM_003360.3	1.36	0.00939	0.464
GNAI1	NM_002069.4	1	0.00964	0.464
GNAI2	NM_002070.2	0.62	0.00971	0.464
ATP6V1H	NM_213620.1	-0.675	0.00985	0.464
MECP2	NM_001110792.1	0.242	0.00999	0.464