

Supplementary Data 1. Neurotransmitter Genes Analyzed.

ABAT
ACHE
ADCY1
ADCY2
ADCY3
ADCY4
ADCY5
ADCY6
ADCY7
ADCY8
ADCY9
ADRBK1
ADRBK2
AKT1
AKT2
AKT3
ALOX12
ALOX12B
ALOX15
ALOX15B
ALOX5
APP
ARAF
ARNTL
ARRB2
ATF2
ATF4
ATF6B
BCL2
BRAF
CACNA1A
CACNA1B
CACNA1C
CACNA1D
CACNA1F
CACNA1S
CALM1
CALM2
CALM3
CALML3
CALML5
CALML6

CALY
CAMK2A
CAMK2B
CAMK2D
CAMK2G
CAMK4
CASP3
CHAT
CHP
CHP2
CHRM1
CHRM2
CHRM3
CHRM4
CHRM5
CHRNA3
CHRNA4
CHRNA6
CHRNA7
CHRNB2
CHRNB4
CLOCK
COMT
CREB1
CREB3
CREB3L1
CREB3L2
CREB3L3
CREB3L4
CREB5
CYP2C18
CYP2C19
CYP2C8
CYP2C9
CYP2D6
CYP2J2
CYP4X1
DDC
DLG4
DLGAP1
DRD1
DRD2
DRD3
DRD4

DRD5
DUSP1
FOS
FYN
GABARAP
GABARAPL1
GABARAPL2
GABBR1
GABBR2
GABRA1
GABRA2
GABRA3
GABRA4
GABRA5
GABRA6
GABRB1
GABRB2
GABRB3
GABRD
GABRE
GABRG1
GABRG2
GABRG3
GABRP
GABRQ
GABRR1
GABRR2
GABRR3
GAD1
GAD2
GLS
GLS2
GLUL
GNA11
GNAI1
GNAI2
GNAI3
GNAL
GNAO1
GNAQ
GNAS
GNB1
GNB2
GNB3

GNB4
GNB5
GNG10
GNG11
GNG12
GNG13
GNG2
GNG3
GNG4
GNG5
GNG7
GNG8
GNGT1
GNGT2
GPHN
GRIA1
GRIA2
GRIA3
GRIA4
GRIK1
GRIK2
GRIK3
GRIK4
GRIK5
GRIN1
GRIN2A
GRIN2B
GRIN2C
GRIN2D
GRIN3A
GRIN3B
GRM1
GRM2
GRM3
GRM4
GRM5
GRM6
GRM7
GRM8
GSK3A
GSK3B
HAP1
HOMER1
HOMER2

HOMER3
HRAS
HTR1A
HTR1B
HTR1D
HTR1E
HTR1F
HTR2A
HTR2B
HTR2C
HTR3A
HTR3B
HTR3C
HTR3D
HTR3E
HTR4
HTR5A
HTR6
HTR7
ITPR1
ITPR2
ITPR3
JAK2
JMJD7-PLA2G4B
KCND2
KCNJ12
KCNJ14
KCNJ2
KCNJ3
KCNJ4
KCNJ5
KCNJ6
KCNJ9
KCNN2
KCNQ1
KCNQ2
KCNQ3
KCNQ4
KCNQ5
KIF5A
KIF5B
KIF5C
KRAS
MAOA

MAOB
MAP2K1
MAPK1
MAPK10
MAPK11
MAPK12
MAPK13
MAPK14
MAPK3
MAPK8
MAPK9
NRAS
NSF
PIK3CA
PIK3CB
PIK3CD
PIK3CG
PIK3R1
PIK3R2
PIK3R3
PIK3R5
PLA2G10
PLA2G12A
PLA2G12B
PLA2G1B
PLA2G2A
PLA2G2C
PLA2G2D
PLA2G2E
PLA2G2F
PLA2G3
PLA2G4A
PLA2G4B
PLA2G4E
PLA2G5
PLA2G6
PLCB1
PLCB2
PLCB3
PLCB4
PLCL1
PLD1
PLD2
PPP1CA

PPP1CB
PPP1CC
PPP1R1B
PPP2CA
PPP2CB
PPP2R1A
PPP2R1B
PPP2R2A
PPP2R2B
PPP2R2C
PPP2R2D
PPP2R3A
PPP2R3B
PPP2R3C
PPP2R5A
PPP2R5B
PPP2R5C
PPP2R5D
PPP2R5E
PPP3CA
PPP3CB
PPP3CC
PPP3R1
PPP3R2
PRKACA
PRKACB
PRKACG
PRKCA
PRKCB
PRKCG
PRKX
PTGS1
PTGS2
RAF1
RAPGEF3
SCN1A
SHANK1
SHANK2
SHANK3
SLC12A5
SLC17A6
SLC17A7
SLC17A8
SLC18A1

SLC18A2
SLC18A3
SLC1A1
SLC1A2
SLC1A3
SLC1A6
SLC1A7
SLC32A1
SLC38A1
SLC38A2
SLC38A3
SLC38A5
SLC5A7
SLC6A1
SLC6A11
SLC6A13
SLC6A3
SLC6A4
SRC
TH
TPH1
TPH2
TRAK2
TRPC1

Supplementary Data 1 Legend. Genes analyzed in the Health ABC, SOF, and MrOS cohorts