

**Table 2. Additional Genotyping of SEBAS DNA specimens**

**159 Single Nucleotide Polymorphisms (SNPs)**

<b>Gene &amp; SNPs</b>	<b>Associated with:</b>
COMT rs4680 rs737865 rs165599 rs2075507	Cognitive Aging, Impulsivity
BDNF rs6265 rs908867	Cognitive Aging, Memory, IQ
DRD2 rs1800497 rs6277 rs2283265 rs17529477 rs4245147 rs1076560	Cognition
DRD3 rs6280 (same as S9G polymorphism)	Cognition
PPP1R1B (DARPP-32) rs879606 rs2271309 rs12601930 rs907094 rs3764352 rs3764353 rs4795390 rs11651497 rs3794712	Cognition, Bipolar disorder
DAT1 (SLC6A3) rs40184 rs6347 rs2652511	Depression
MAOA rs3788862	Cognition
TPH1 rs1799913	Depression

<b>Gene &amp; SNPs</b>	<b>Associated with:</b>
TPH2 rs1386494 rs1843809 rs7305115 rs1007023 rs4290270 rs4565946 rs11179000 rs7955501	Depression
FOXP2 rs1916988 rs7785701 rs1005958	Cognition
KIBRA (WWC1) rs17070145	Cognition, Alzheimer's Disease
GRM3 rs187993 rs917071 rs1468412 rs6465084 rs2228595	Cognition
DISC1 rs999710 rs821597 rs821616 rs821577 rs751229 rs1934909 rs1538976 rs1079344 rs1411776	Cognitive Aging
CLSTN2 rs6439886 rs952797	Memory, Alzheimer's Disease
FKBP5 rs755658 rs1360780 rs1334894 rs4713916	Depression
CCND2 or cyclin D2 rs423810	Depression
HOMER1 rs7713917	Depression

<b>Gene &amp; SNPs</b>	<b>Associated with:</b>
CHRM2 rs8191992 rs2061174	Cognition
SNAP25 rs363050	Cognition
SSADH rs2760118	Cognition
CTSD rs17571	Cognition/Mental
CYP11A1 rs8039957	Cognitive Aging
AR rs6152	Cognitive Aging
DTNBP1 rs760761 rs1018381	Cognitive Aging
5-HTR2A rs6314 rs7997912 rs6312	Memory, Depression
5-HTR2C rs6318	Depression
5HTT rs8076005	Depression
FADS2 rs174575 rs1535	IQ
SORL1 rs2298813 rs2070045	Alzheimer's Disease
IL1A rs17561	Alzheimer's Disease
LHB rs6521	Alzheimer's Disease
LHR rs4073366	Alzheimer's Disease
PGR rs1042838	Alzheimer's Disease, Cancer

<b>Gene &amp; SNPs</b>	<b>Associated with:</b>
FTO rs1421085	Alzheimer's Disease, Diabetes
ER rs3844509 rs7761133	Alzheimer's Disease
FSH rs6169	Alzheimer's Disease
CH25H rs3802657	Alzheimer's Disease
HFE rs1799945	Alzheimer's Disease, Obesity, Liver
TFAM rs1937 rs2306604	Alzheimer's Disease
IGF1 rs12313279	Diabetes, Longevity
IGF2 rs680	Memory
APOC-3 CC rs2854116	Longevity
MT1A rs11640851	Longevity
IL-6 rs1800795	Gene x Depression Interaction → Longevity
PICALM rs3851179 rs7110631	Alzheimer's Disease
CR1 rs6656401	Alzheimer's Disease
ADRA2A rs1800544 rs1800545 rs553668	Cognition (attention)
NET rs3785143 rs3785157 rs5569 rs998424	Cognition (attention)

<b>Gene &amp; SNPs</b>	<b>Associated with:</b>
CHRNA4 T1545C polymorph also known as rs1824125	Attention
Prion (PRNP) rs1799990	Cognition (memory)
ADCY8 rs263249	Cognition
CAMK2G hCV3114928 also known as rs11000787	Cognition
PRKACG rs3730386	Cognition
NTRK-3 rs999905 rs4887348 rs4887361 rs12594283 rs3784407 rs16941563	Memory
CAMTA1 rs4908449 rs7547519 rs7549382 rs947678 rs705677	Memory
PLXNB3 rs2266879 rs6643791	Cognition
CACNA1C rs1006737	Language
NRG1 rs35753505	Language
CNTNAP2 rs851715 rs10246256 rs2710102 rs759178 rs1922892 rs2538991 rs17236239 rs2538976 rs2710117 rs1603450	Language

<b>Gene &amp; SNPs</b>	<b>Associated with:</b>
CD38 rs3796863	Social Memory, Amnesia, Autism, Sensitive Parenting
OXTR rs53576 rs1042778 rs1488467 rs2254298 rs2268493 rs4564970 rs7632287	Autism Gene-by-Alcohol Consumption → Anger/Aggression Autism Autism Gene-by-Alcohol Consumption → Anger/Aggression Autism
CRHR1 rs7209436 rs242924 rs878886	Depression, Neuroticism, Panic Disorder
FKBP5 rs3800373	Depression, PTSD, Suicidal Behavior
SNAP-25 rs3746544 rs1051312 rs362549	ADHD
AVPR1A rs1042615 rs3759292 rs7294536 rs10877969 rs11174811	Diabetes autism autism autism substance abuse
AVPR1B rs28632197	Panic disorder, Personality traits
Glucocorticoid receptor (GR) rs41423247	Glucocorticoid hypersensitivity
Intergenic between TBC1D7 & GFOD1 rs2254292	

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Abbreviations: ADHD, Attention deficit/hyperactivity disorder; PTSD, Post-traumatic stress disorder.

## Variable Number Tandem Repeats (VNTRs) & Other Polymorphisms

<b>Gene &amp; VNTRs</b>	<b>Associated with:</b>
DRD4 Promoter 120-bp tandem repeat Exon3 48-bp VNTR polymorphism	Cognition
MAOA 30-bp VNTR <sup>1</sup>	Cognition
CHRNA7 L76630 VNTR polymorphism	Attention
DAT1 (SLC6A3) 40-bp VNTR polymorphism in 3' UTR	Depression

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<sup>1</sup> It is also called MAOA uVTNR.