

Genes associated with "Behavior"

Categories	Diseases or Functions Annotation	p-Value	Molecules	# Molecules
Behavior	contextual conditioning	3.91E-04	ABI2, ARC, CAMK2B, CREM, DRD1, FEZ1, GABRD, GRM1, GRM7, ITM2B, KALRN, MECP2, MMP9, PLAT, TSC2, UCHL1, VDAC3	17
Behavior	conditioning	5.81E-04	ABI2, ARC, BACE1, CAMK2B, CARTPT, CNR1, CREM, DRD1, FEZ1, GABBR1, GABRD, GAD2, GRM1, GRM7, HOMER1, ITM2B, KALRN, KCNMA1, MAPK1, MECP2, MMP9, NAMPT, PDYN, PLAT, PRKACB, PRLHR, SGK1, TH, TLR4, TSC2, UCHL1, VDAC3	32
Behavior	anxiety	1.41E-03	AKAP5, BACE1, BAG1, CAMK2B, CARTPT, CNR1, CREM, CRHR2, GABBR1, GABRD, GAD2, GRIA4, HOMER1, HRH3, IGF1, KALRN, KCNC2, LRRN1, MAPK1, MECP2, MMP9, NAMPT, NFATC3, NPEPPS, NTAN1, PDYN, PLAT, TAC1, TSN	29
Behavior	behavior	1.42E-03	ABI2, ACACB, ADM, ADRA1A, ADRB3, AGA, AKAP5, AP1S2, APLN, AQP4, ARC, ARF4, ARL6IP5, ASAH1, ASNA1, B2M, BACE1, BAG1, BAMBI, BIN1, CACNA1G, CACNB1, CAMK2B, CAPRIN1, CARTPT, CDK5, CDO1, CHST8, CISD2, CNR1, CPE, CREM, CRHR2, CYP19A1, DERL2, DGAT2, DISC1, DRD1, EGR3, FEZ1, GABBR1, GABRD, GAD2, GALNS, GCK, GCNT4, GLRB, GNAO1, GNG13, GRIA4, GRM1, GRM7, HDAC3, HOMER1, HPRT1, HRH3, HTR5A, HTR6, IFT20, IGF1, ITM2B, JAK1, JPH1, KALRN, KCNC1, KCNC2, KCNMA1, KISS1R, LEF1, LMO4, LRRN1, MAGED1, MAGEL2, MAPK1, MECP2, MGAT2, MMP9, MUT, NAMPT, NDN, NDUFS4, NFATC3, NHLRC1, NPEPPS, NPR3, NRCAM, NRG1, NTAN1, NTRK3, OPN4, OXTR, PARK7, PBX1, PDE4DIP, PDYN, PGR, PKM, PLAT, PLCB1, PLIN2, POU2F2, PPP1R14C, PRKCB, PRLHR, PTPN2, RAC1, RTN4, SCP2, SDK1, SGK1, SLC10A4, SNCA, SNRPN, SP4, TAC1, TH, TLR4, TMOD2, TPST1, TSC2, TSN, UBE2Q1, UCHL1, UCHL3, VDAC3, XPA, ZIC1	127
Behavior, Nervous System Development and Function	recognition memory	1.70E-03	ARC, BACE1, CAMK2B, CNR1, CRHR2, GRIA4, HDAC3, ITM2B, MAPK1, NHLRC1, OXTR, PDYN	12
Behavior, Nervous System Development and Function	object recognition memory	2.55E-03	CAMK2B, CNR1, GRIA4, HDAC3, ITM2B, NHLRC1, PDYN	7
Behavior	learning	2.87E-03	ABI2, AGA, AKAP5, AP1S2, ARC, ARF4, ARL6IP5, ASNA1, BACE1, CACNA1G, CAMK2B, CDK5, CNR1, CREM, CRHR2, CYP19A1, DRD1, GABBR1, GABRD, GALNS, GRIA4, GRM7, HDAC3, HOMER1, HRH3, HTR6, IFT20, IGF1, ITM2B, KALRN, LMO4, MAPK1, MECP2, MMP9, NAMPT, NDN, NHLRC1, NRCAM, NRG1, NTAN1, NTRK3, OXTR, PARK7, PDYN, PKM, PLAT, PLCB1, RTN4, SGK1, SNCA, TAC1, TH, TMOD2, TSC2, TSN, VDAC3	56
Behavior	cognition	3.63E-03	ABI2, AGA, AKAP5, AP1S2, ARC, ARF4, ARL6IP5, ASNA1, BACE1, CACNA1G, CAMK2B, CDK5, CHMP2B, CNR1, CREM, CRHR2, CYP19A1, DRD1, GABBR1, GABRD, GALNS, GRIA4, GRM7, HDAC3, HOMER1, HRH3, HTR6, IFT20, IGF1, ITM2B, KALRN, LMO4, MAPK1, MECP2, MMP9, NAMPT, NDN, NHLRC1, NIPBL, NRCAM, NRG1, NTAN1, NTRK3, OXTR, PARK7, PDYN, PKM, PLAT, PLCB1, RTN4, SGK1, SNCA, TAC1, TH, TMOD2, TSC2, TSN, TUSC3, UCHL1, VDAC3	60
Behavior	place preference	4.46E-03	CARTPT, CNR1, HOMER1, MMP9, PDYN, PLAT, PRLHR, TH, TLR4	9
Behavior	locomotion	4.70E-03	ADARB1, ATP2A2, BACE1, BAG1, CARTPT, CNR1, CREM, CYP19A1, DRD1, EGR3, FIG4, GABBR1, GAD2, GALNS, GLRB, GNAO1, GPR88, GRM1, HINT1, HOMER1, HPRT1, HRH3, IGF1, KCNC1, KCNMA1, MECP2, MMP9, NAMPT, NDUFS4, NFATC3, NOVA1, NRCAM, NTAN1, PARK7, PRKCB, RRN3, RTN4, SEZ6L2, SNCA, SPP1, TARDBP, TH, TSN, UCHL1, UCHL3, ZIC1	46
Behavior	aversive behavior	5.19E-03	ARC, CARTPT, DRD1, GAD2, GRM7, PDYN, PLAT, TH	8
Behavior, Organismal Functions	backward walking	5.26E-03	MMP9, NDUFS4	2
Behavior	immobility behavior	5.26E-03	DISC1, MECP2	2
Behavior	lever press response	5.26E-03	CNR1, HOMER1	2
Behavior	play behavior	5.26E-03	CNR1, MECP2	2
Behavior, Nervous System Development and Function	memory	5.35E-03	ARC, ARL6IP5, BACE1, CAMK2B, CNR1, CREM, CRHR2, CYP19A1, DRD1, GABBR1, GABRD, GALNS, GRIA4, GRM7, HDAC3, HOMER1, HRH3, IGF1, ITM2B, KALRN, MAPK1, MECP2, NAMPT, NHLRC1, NRG1, NTAN1, NTRK3, OXTR, PDYN, PKM, PLCB1, SGK1, SNCA, TAC1, TH	35
Behavior, Nervous System Development and Function	spatial memory	6.34E-03	ARL6IP5, BACE1, CNR1, CYP19A1, GRIA4, GRM7, HOMER1, IGF1, ITM2B, KALRN, NAMPT, NRG1, NTAN1, PDYN, SGK1, TH	16
Behavior	habituation	7.71E-03	BACE1, DRD1, GABBR1, HOMER1, NAMPT	5
Behavior, Reproductive System Development and Function	mating behavior	9.11E-03	CYP19A1, DRD1, IGF1, KISS1R, NPEPPS, PGR, SP4, TH, UBE2Q1	9
Behavior	motor learning	9.92E-03	ARL6IP5, CACNA1G, MECP2, NRCAM, PARK7, PLAT, RTN4	7

Behavior	active avoidance response	1.16E-02	CNR1, NTAN1, PLAT, TH	4
Behavior	emotional behavior	1.23E-02	ADRA1A, ARC, B2M, CARTPT, CNR1, CRHR2, CYP19A1, DRD1, EGR3, GABBR1, GABRD, GAD2, GCNT4, GNAO1, GRM7, HOMER1, HPRT1, IGF1, MAGED1, MAPK1, MECP2, MGAT2, MMP9, NDUFS4, NTAN1, OPN4, OXTR, PDYN, PLAT, TH, TPST1, TSN, VDAC3	33
Behavior	sexual behavior	1.32E-02	CYP19A1, DRD1, GRM1, IGF1, KISS1R, NPEPPS, PGR, SP4, TH, UBE2Q1	10
Behavior, Organismal Functions	walking	1.33E-02	DRD1, GLRB, KCNMA1, MMP9, NAMPT, NDUFS4, UCHL1, UCHL3, ZIC1	9
Behavior	social behavior	1.42E-02	CNR1, DISC1, DRD1, GABBR1, IGF1, KALRN, MAGED1, MAPK1, MECP2, MMP9, NFATC3, NTAN1, OXTR, RTN4	14
Behavior	barbering behavior	1.50E-02	CHST8, CYP19A1	2
Behavior, Digestive System Development and Function	suckling	1.63E-02	BIN1, DERL2, DGAT2, JAK1, JPH1, MAGEL2, MUT, OXTR, POU2F2, SNRPN, UBE2Q1, ZIC1	12
Behavior, Nervous System Development and Function	long-term memory	1.64E-02	ARC, CREM, GABBR1, HDAC3, ITM2B, MAPK1, MECP2, PKM, SGK1, TAC1	10
Behavior	abnormal initiation of locomotion	2.08E-02	ATP2A2, BACE1, CYP19A1, HRH3, MECP2, NFATC3, NRCAM, PARK7, SNCA	9
Behavior	cued conditioning	2.08E-02	ARC, CREM, FEZ1, GABRD, MECP2, PLAT, PRKACB, TH, VDAC3	9