

<i>M. mulatta</i> gene symbol	Alternate symbol	Entrez ID	Predicted human and/or mouse ortholog	Gene description	UniGene ID	<i>M. mulatta</i> chromosome	Postnatal target tissue specimen
ADCY5	LOC715897	715897	ADCY5	adenylate cyclase 5		2	Ventral striatum
ADORA2A		707865	ADORA2A	adenosine A2a receptor		10	Amygdala
ADRA1A		712509	ADRA1A	adrenergic, alpha-1A-, receptor	Mmu.17457	8	Ventral striatum
ARL15	LOC707840	707840	ARL15	ADP-ribosylation factor-like 15		6	Visual cortex
ASTN2	LOC702370	702370	ASTN2	astrotactin 2		15	Ventral striatum
ATP2B4	ATP2B1	574317	ATP2B4	ATPase, Ca++ transporting, plasma membrane 4	Mmu.3858	1	Ventral striatum
BAIAP3	LOC722437	722437	BAIAP3	BAI1-associated protein 3	Mmu.5279	20	Amygdala
BTG3		710579	BTG3	BTG family, member 3		3	Medial prefrontal cortex
CADPS2	LOC694857	694857	CADPS2	Ca2+-dependent activator protein for secretion 2 isoform b	Mmu.14856	3	Hippocampus
CALB1		677721	CALB1	calbindin 1		8	Amygdala, Hippocampus, Ventral striatum, Medial prefrontal cortex, Visual cortex, Brain
CART	CARTPT	701350	CARTPT	CART prepropeptide	Mmu.222	6	Amygdala, Medial prefrontal cortex, Brain
CD53		702350	CD53	CD53 molecule		1	Brain
CHN2		697231	CHN2	chimerin (chimaerin) 2	Mmu.14156	3	Ventral striatum, Medial prefrontal cortex
CHRNA2		712868	CHRNA2	cholinergic receptor, nicotinic, alpha 2 (neuronal)		8	Ventral striatum
CLSTN2	LOC715514	715514	CLSTN2	calsynenin 2		2	Ventral striatum
CNR1	CB-1	574142	CNR1	cannabinoid receptor 1 (brain)	Mmu.3522	4	Amygdala, Hippocampus, Ventral striatum, Medial prefrontal cortex, Visual cortex
CNTNAP4		574170	CNTNAP4	contactin associated protein-like 4	Mmu.3605	20	Visual cortex
COCH	LOC717114	717114	COCH	coagulation factor C homolog, cochlin precursor	Mmu.16283	7	Amygdala
COL12A1	LOC717820	717820	COL12A1	COL12A1 collagen, type XII, alpha 1		4	Amygdala, Visual cortex, Medial prefrontal cortex
COL24A1	LOC711713	711713	COL24A1	collagen, type XXIV, alpha 1		1	Visual cortex
CPNE2	LOC703557	703557	CPNE2	copine II	Mmu.15319	20	Hippocampus, Medial prefrontal cortex
CRABP1	PCP4	710048	PCP4	cellular retinoic acid binding protein 1		7	Brain
CRH	LOC702877	702877	CRH	corticotropin releasing hormone	Mmu.2157	8	Amygdala
CRYAB		710747	CRYAB	crystallin, alpha B	Mmu.252	14	Hippocampus
CRYM		697588	CRYM	crystallin, mu	Mmu.14173	20	Visual cortex, Medial prefrontal cortex, Brain
CTGF		714520	CTGF	connective tissue growth factor	Mmu.3969	4	Visual cortex, Medial prefrontal cortex, Brain
CYP19A1	LOC678697	678697	CYP19A1	aromatase cytochrome P450	Mmu.9949	7	Amygdala
DAB1	LOC716200	716200	DAB1	disabled homolog 1		1	Hippocampus
DCX	LOC708556	708556	DCX	doublecortin isoform a	Mmu.1276	X	Hippocampus
DKFZP564O0823	LOC701942	701942	PARM-1	DKFZP564O0823 protein		5	Ventral striatum
DKK3		701549	DKK3	Dickkopf homolog 3	Mmu.4890	14	Hippocampus, Visual cortex
DLK1		707595	DLK1	delta-like 1 homolog (Drosophila)		7	Amygdala
DNER	LOC710384	710384	DNER	delta-notch-like EGF repeat-containing transmembrane	Mmu.6926	12	Ventral striatum
DRD2		694181	DRD2	dopamine receptor D2	Mmu.3401	14	Ventral striatum
DSP		694860	DSP	desmoplakin	Mmu.4798	4	Hippocampus
DUSP6	LOC708907	708907	DUSP6	dual specificity phosphatase 6 isoform a	Mmu.1577	11	Hippocampus
ENC1		704577	ENC1	ectodermal-neural cortex (with BTB-like domain)		6	Visual cortex, Medial prefrontal cortex, Brain
ERBB4		713584	ERBB4	v-erb-a erythroblastic leukemia viral oncogene homolog 4	Mmu.6446	12	Amygdala, Visual cortex
FOXP2		613237	FOXP2	forkhead box P2	Mmu.4784	3	Amygdala
GAD1	GAD67	613030	GAD1	glutamate decarboxylase 1 (67kDa)	Mmu.73	12	Amygdala, Hippocampus, Ventral striatum, Medial prefrontal cortex, Visual cortex, Brain
GAP43		711260	GAP43	growth associated protein 43		2	Brain
GFAP		712941	GFAP	glial fibrillary acidic protein		16	Brain
GFRA1		706353	GFRA1	GDNF family receptor alpha 1	Mmu.12560	9	Amygdala, Hippocampus, Ventral striatum, Medial prefrontal cortex, Visual cortex
GNB4	LOC709489	709489	GNB4	GNB4 guanine nucleotide binding protein (G protein), beta polypeptide 4		2	Medial prefrontal cortex
GPR161		698934	GPR161	G protein-coupled receptor 161		1	Hippocampus
GPR83		697439	GPR83	G protein-coupled receptor 83		14	Brain
GRIA1		714117	GRIA1	glutamate receptor, ionotropic, AMPA 1		6	Visual cortex, Medial prefrontal cortex
GUCY1A3		699365	GUCY1A3	guanylate cyclase 1, soluble, alpha 3	Mmu.4927	5	Ventral striatum
HSPB8	H11	574341	HSPB8	heat shock 22kDa protein 8	Mmu.3744	11	Amygdala
HTR1A		694991	HTR1A	5-hydroxytryptamine (serotonin) receptor 1A		6	Hippocampus, Visual cortex
HTR1B		716704	HTR1B	5-hydroxytryptamine (serotonin) receptor 1B		4	Amygdala
HTR2A		613032	HTR2A	5-hydroxytryptamine (serotonin) receptor 2A		17	Ventral striatum, Hippocampus
HTR2C		708141	HTR2C	5-hydroxytryptamine (serotonin) receptor 2C		X	Amygdala, Hippocampus, Ventral striatum, Medial prefrontal cortex, Visual cortex, Brain
HTR3A		696912	HTR3A	5-hydroxytryptamine (serotonin) receptor 3A		14	Amygdala
IGFBP4		700963	IGFBP4	insulin-like growth factor binding protein 4	Mmu.3246	16	Hippocampus
IGFBP5		696339	IGFBP5	insulin-like growth factor binding protein 5		12	Brain
KCNA6		711558	KCNA6	potassium voltage-gated channel, shaker-related subfamily, member 6		11	Visual cortex
KIT	V-KIT	696759	KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog		5	Ventral striatum, Visual cortex, Medial prefrontal cortex
LHX6		698587	LHX6	LIM homeobox 6	Mmu.15691	15	Hippocampus
LNX1		697862	LNX1	ligand of numb-protein X 1		5	Medial prefrontal cortex
LOC100430940	LOC100430940	100430940	SCN4B	sodium channel subunit beta-4-like		1	Brain
LOC693574	TNFAIP8L3	693574	TNFAIP8L3	tumor necrosis factor, alpha-induced protein 8-like 3	Mmu.13347	7	Ventral striatum
LOC694656	PRKCD	694656	PRKCD	protein kinase C, delta		2	Hippocampus
LOC694884	CCDC3	694884	CCDC3	coiled-coil domain containing 3		9	Amygdala, Medial prefrontal cortex
LOC696659	PCDH11X	696659	PCDH11X	hypothetical protein LOC696659	Mmu.8971	X	Amygdala
LOC697248	GABRG2	697248	GABRG2	LOC697248 gamma-aminobutyric acid receptor subunit gamma-2-like		6	Medial prefrontal cortex
LOC697272	PVALB	697272	PVALB	parvalbumin alpha		10	Amygdala, Hippocampus, Ventral striatum, Medial prefrontal cortex, Visual cortex, Brain
LOC697776	C1QL2	697776	C1QL2	Cerebellin-2 precursor (Cerebellin-like protein)		13	Visual cortex, Medial prefrontal cortex
LOC699494	LIMK1	699494	LIMK1	LIM domain kinase 1	Mmu.8523	3	Hippocampus
LOC701810	KCTD6	701810	KCTD6	potassium channel tetramerisation domain containing 6	Mmu.14991	2	Ventral striatum
LOC702924	SCCPDH	702924	SCCPDH	LOC702924 similar to saccharopine dehydrogenase (putative)		1	Medial prefrontal cortex
LOC703155		703155	SMOC2	LOC703155 SPARC-related modular calcium-binding protein 2-like		4	Medial prefrontal cortex
LOC703243	C8orf46	703243	C8orf46	hypothetical protein LOC703243		8	Visual cortex
LOC703792	GABRG1	703792	GABRG1	gamma-aminobutyric acid A receptor, gamma 1 precursor	Mmu.7910	5	Amygdala, Brain
LOC704044	PLXND1	704044	PLXND1	LOC704044 plexin-D1-like		11	Amygdala, Hippocampus, Ventral striatum, Medial prefrontal cortex, Visual cortex
LOC704106	GNAL	704106	GNAL	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type isoform 1	Mmu.7876	18	Ventral striatum, Medial prefrontal cortex
LOC704166	SLC17A6	704166	SLC17A6	transmembrane protein 16E	Mmu.7867	14	Amygdala
LOC704750	CYP26B1	704750	CYP26B1	cytochrome P450, family 26, subfamily b, polypeptide 1		13	Hippocampus
LOC705699	GRIK1	705699	GRIK1	glutamate receptor, ionotropic, kainate 1 isoform 2 precursor	Mmu.14903	3	Amygdala
LOC706304	C4orf31	706304	C4orf31	hypothetical protein LOC706304		5	Hippocampus
LOC708263	SEMA3A	708263	SEMA3A	semaphorin 3A		3	Amygdala, Medial prefrontal cortex

LOC708409	CALB2	708409	CALB2	calretinin-like		20	Brain
LOC708626	SST	708626	SST	somatostatin preproprotein		2	Hippocampus, Visual cortex, Brain
LOC710112	BTG1	710112	BTG1	B-cell translocation gene 1, anti-proliferative	Mmu.1555	11	Ventral striatum
LOC710540	CAMK2A	710540	CAMK2A	calcium/calmodulin-dependent protein kinase IIA isoform 1		6	Hippocampus, Brain
LOC711350	RASGRF2	711350	RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2	Mmu.6789	6	Visual cortex
LOC712076	CXCL14	712076	CXCL14	small inducible cytokine B14 precursor	Mmu.9991	6	Ventral striatum, Visual cortex, Medial prefrontal cortex, Brain
LOC712795	CUX2	712795	CUX2	cut-like 2	Mmu.6573	11	Amygdala, Visual cortex, Brain
LOC715357	STXBP6	715357	STXBP6	syntaxin binding protein 6 (amisyn)	Mmu.12769	7	Hippocampus, Medial prefrontal cortex
LOC715535	KIAA1576	715535	KIAA1576	synaptic vesicle membrane protein VAT-1 homolog		2	Visual cortex
LOC716063	NRGN	716063	NRGN	Neurogranin (Ng) (RC3)		14	Ventral striatum, Brain
LOC717705	NEFH	717705	NEFH	neurofilament, heavy polypeptide 200kDa	Mmu.10899	10	Amygdala, Hippocampus, Ventral striatum, Medial prefrontal cortex, Visual cortex, Brain
LOC718433	C20orf103	718433	C20orf103	chromosome 20 open reading frame 103	Mmu.4727	10	Ventral striatum
LOC721855	COL6A1	721855	COL6A1	collagen alpha-1(VI) chain precursor		3	Amygdala, Hippocampus, Ventral striatum, Medial prefrontal cortex, Visual cortex
MAN1A1	LOC714609	714609	MAN1A1	mannosidase, alpha, class 1A, member 1	Mmu.6308	4	Ventral striatum, Medial prefrontal cortex
MBP	LOC710350	710350	MBP	myelin basic protein isoform 1	Mmu.125	18	Amygdala, Hippocampus, Ventral striatum, Medial prefrontal cortex, Visual cortex, Brain
MEF2C	LOC694992	694992	MEF2C	myocyte enhancer factor 2C	Mmu.279	6	Hippocampus
MET		704562	MET	met proto-oncogene (hepatocyte growth factor receptor)		3	Brain
MOXD1	LOC709771	709771	MOXD1	monooxygenase, DBH-like 1 isoform 1	Mmu.14121	4	Hippocampus, Medial prefrontal cortex
NDS14		703224	NDS14	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 4		5	Amygdala
NEFL		641444	NEFL	neurofilament, light polypeptide		8	Brain
NEFM	NEF3	711196	NEF3	neurofilament, medium polypeptide 150kDa		8	Amygdala, Visual cortex, Medial prefrontal cortex, Brain
NK3	TACR3	653013	TACR3	NK-3 receptor	Mmu.4891	5	Ventral striatum
NNAT	LOC700562	700562	NNAT	neuronatin		10	Amygdala, Hippocampus, Ventral striatum, Medial prefrontal cortex, Visual cortex
NPY		574114	NPY	neuropeptide Y		3	Brain
NPY1R		574206	NPY1R	neuropeptide Y receptor Y1	Mmu.3566	5	Hippocampus, Medial prefrontal cortex
NPY2R		574149	NPY2R	neuropeptide Y receptor Y2	Mmu.3567	5	Amygdala, Visual cortex, Brain
NR4A2		697077	NR4A2	nuclear receptor subfamily 4, group A, member 2	Mmu.11507	12	Visual cortex, Medial prefrontal cortex, Brain
NRXN1		619185	NRXN1	neurexin 1	Mmu.4429	13	Visual cortex, Medial prefrontal cortex
NTNG2	LOC715127	694410	NTNG2	netrin G2		1	Brain
OPRM1		574141	OPRM1	opioid receptor, mu 1	Mmu.3487	4	Ventral striatum
ORPRK1	LOC710783	710783	ORPRK1	opioid receptor, kappa 1	Mmu.6875	8	Amygdala
PDE10A	LOC714983	714983	PDE10A	phosphodiesterase 10A		4	Ventral striatum
PDE1A	LOC705555	705555	PDE1A	phosphodiesterase 1A, calmodulin-dependent isoform 1		12	Hippocampus, Visual cortex, Brain
PDE1C		693937	PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa	Mmu.14880	3	Amygdala
PDYN		716341	PDYN	prodynorphin		10	Amygdala, Hippocampus, Ventral striatum, Medial prefrontal cortex, Visual cortex, Brain
PNOC		713633	PNOC	prepronociceptin		8	Hippocampus
RARB		700485	RARB	retinoic acid receptor, beta		2	Ventral striatum
RASL11B	LOC701397	701397	RASL11B	RASL11B RAS-like, family 11, member B		5	Medial prefrontal cortex
RELN	LOC696372	696372	RELN	reelin	Mmu.4408	3	Amygdala, Hippocampus, Ventral striatum, Medial prefrontal cortex, Visual cortex, Brain
RGS12	LOC699927	699927	RGS12	RGS12 regulator of G-protein signaling 12		1	Medial prefrontal cortex
RGSA		693383	RGSA	regulator of G-protein signaling 4	Mmu.202	1	Hippocampus, Brain
RGS9		718549	RGS9	regulator of G-protein signalling 9	Mmu.5685	16	Ventral striatum
ROBO1	LOC722879	722879	ROBO1	roundabout 1 isoform a	Mmu.5226	2	Hippocampus, Medial prefrontal cortex
RORB	LOC703310	703310	RORB	RAR-related orphan receptor B		15	Amygdala, Visual cortex, Brain
RSPO2		697376	RSPO2	R-spondin 2 homolog (Xenopus laevis)	Mmu.4488	8	Amygdala
S100A10		574374	S100A10	S100 calcium binding protein A10	Mmu.2483	1	Ventral striatum
S100B		708117	S100B	S100 calcium binding protein B	Mmu.4423	3	Ventral striatum
SCN1B	LOC707134	707134	SCN1B	sodium channel, voltage-gated, type I, beta		19	Brain
SEMA3C	SEMA3F	708633	SEMA3C	similar to semaphorin 3C		3	Hippocampus
SEMA5A	LOC696019	696019	SEMA5A	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A		6	Amygdala, Hippocampus, Ventral striatum, Medial prefrontal cortex, Visual cortex
SEMA6A	LOC697481	697481	SEMA6A	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A	Mmu.9975	6	Ventral striatum
SLC17A7	VGLUT1	574349	SLC17A7	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7	Mmu.3616	19	Hippocampus, Brain
SLC17A8	VGLUT3	695508	SLC17A8	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8		11	Ventral striatum
SLC25A1	CTP	719075	SLC25A1	solute carrier family 25 (mitochondrial carrier, citrate transporter), member 1	Mmu.10146	10	Ventral striatum
SLC30A3	ZNT3	699572	SLC30A3	solute carrier family 30 (zinc transporter), member 3	Mmu.15876	13	Amygdala
SLC6A1	LOC696617	696617	SLC6A1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1		2	Visual cortex
SLC6A4	SERT	574140	SLC6A4	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Mmu.3546	16	Ventral striatum
SNCA	LOC706985	706985	SNCA	alpha-synuclein isoform NACP140	Mmu.445	5	Hippocampus
SPATA13	LOC721468	721468	SPATA13	spermatogenesis associated 13	Mmu.9582	17	Amygdala
SPOCK3		705964	SPOCK3	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	Mmu.13797	5	Ventral striatum
SSTR2		695526	SSTR2	somatostatin receptor 2		16	Medial prefrontal cortex
STX1B	STX1A	574205	STX1A	syntaxin 1B	Mmu.3490	3	Amygdala
SULF1		705606	SULF1	extracellular sulfatase Sulf-1-like		8	Medial prefrontal cortex, Brain
SV2C	LOC706753	706753	SV2C	synaptic vesicle protein 2C		6	Visual cortex, Brain
SYNPR	LOC699098	699098	SYNPR	synaptoporin	Mmu.340	2	Hippocampus, Brain
SYT17	LOC694130	694130	SYT17	synaptotagmin XVII		20	Visual cortex
SYT6		708175	SYT6	synaptotagmin VI		1	Visual cortex, Brain
TAC1		697350	TAC1	tachykinin, precursor 1	Mmu.4485	3	Amygdala, Visual cortex, Medial prefrontal cortex, Brain
TGFB2		707540	TGFB2	transforming growth factor, beta 2		1	Amygdala
THBS2	LOC708165	708165	THBS2	thrombospondin 2 precursor		4	Hippocampus
TIAM1		702288	TIAM1	T-cell lymphoma invasion and metastasis 1		3	Ventral striatum
TLE4		706619	TLE4	transducin-like enhancer of split 4 (E(sp1) homolog, Drosophila)	Mmu.11127	15	Visual cortex
TNC		702720	TNC	tenascin C (hexabrachion)	Mmu.556	15	Amygdala, Medial prefrontal cortex
TRHDE		717653	TRHDE	thyrotropin-releasing hormone degrading enzyme	Mmu.130	11	Hippocampus
TRPS1		700383	TRPS1	trichorhinophalangeal syndrome 1	Mmu.13541	8	Hippocampus
TSHZ1	LOC703018	703018	TSHZ1	teashirt family zinc finger 1	Mmu.2310	18	Amygdala
VAMP1		722049	VAMP1	vesicle-associated membrane protein 1 (synaptobrevin 1)		11	Visual cortex, Brain
VAT1L	LOC715535	715535	VAT1L	synaptic vesicle membrane protein VAT-1 homolog-like		20	Brain
VIP		703566	VIP	vasoactive intestinal peptide		4	Brain