

M. mulatta gene symbol	Alternate symbol	EntrezID	Predicted human and/or mouse ortholog	Gene description	UniGene ID	M. mulatta chromosome	Target tissue specimen	UCSC Genome Browser link
ADORA2A		707865	ADORA2A	adenosine A2a receptor		10	Amygdala	
ADRA1A		712509	ADRA1A	adrenergic, alpha-1A-, receptor	Mmu.17457	8	Ventral striatum	http://genome.ucsc.edu/cgi-bin/hgTracks?org=rhesus&position=Nm_001114733
ATP2B4	ATP2B1	574317	ATP2B4	ATPase, Ca++ transporting, plasma membrane 4	Mmu.3858	1	Ventral striatum	http://genome.ucsc.edu/cgi-bin/hgTracks?org=rhesus&position=Nm_001032926
CALB1		677721	CALB1	calbindin 1		8	All tissue specimens	
CART	CARTPT	701350	CARTPT	CART prepropeptide	Mmu.222	6	Amygdala	
CHN2		697231	CHN2	chimerin (chimaerin) 2	Mmu.14156	3	Ventral striatum	
CHRNA2		712868	CHRNA2	cholinergic receptor, nicotinic, alpha 2 (neuronal)		8	Ventral striatum	
CNR1	CB-1	574142	CNR1	cannabinoid receptor 1 (brain)	Mmu.3522	4	All tissue specimens	http://genome.ucsc.edu/cgi-bin/hgTracks?org=rhesus&position=Nm_001032825
CRYAB		710747	CRYAB	crystallin, alpha B	Mmu.252	14	Hippocampus	
DKK3		701549	DKK3	dickkopf homolog 3	Mmu.4890	14	Hippocampus	
DLK1		707595	DLK1	delta-like 1 homolog (Drosophila)		7	Amygdala	
DRD2		694181	DRD2	dopamine receptor D2	Mmu.3401	14	Ventral striatum	http://genome.ucsc.edu/cgi-bin/hgTracks?org=rhesus&position=U13757
DSP		694860	DSP	desmoplakin	Mmu.4798	4	Hippocampus	
ERBB4		713584	ERBB4	v-erb-a erythroblastic leukemia viral oncogene homolog 4	Mmu.6446	12	Amygdala	
FOXP2		613237	FOXP2	forkhead box P2	Mmu.4784	3	Amygdala	http://genome.ucsc.edu/cgi-bin/hgTracks?org=rhesus&position=Nm_001033021
GAD1	GAD67	613030	GAD1	glutamate decarboxylase 1 (67kDa)	Mmu.73	12	All tissue specimens	http://genome.ucsc.edu/cgi-bin/hgTracks?org=rhesus&position=DQ147958
GFRA1		706353	GFRA1	GDNF family receptor alpha 1	Mmu.12560	9	All tissue specimens	
GPR161		698934	GPR161	G protein-coupled receptor 161		1	Hippocampus	
GUCY1A3		699365	GUCY1A3	guanylate cyclase 1, soluble, alpha 3	Mmu.4927	5	Ventral striatum	http://genome.ucsc.edu/cgi-bin/hgTracks?org=rhesus&position=DQ147915
HSPB8	H11	574341	HSPB8	heat shock 22kDa protein 8	Mmu.3744	11	Amygdala	http://genome.ucsc.edu/cgi-bin/hgTracks?org=rhesus&position=Nm_001032937
HTR1A		694991	HTR1A	5-hydroxytryptamine (serotonin) receptor 1A		6	Hippocampus	
HTR1B		716704	HTR1B	5-hydroxytryptamine (serotonin) receptor 1B		4	Amygdala	
HTR2C		708141	HTR2C	5-hydroxytryptamine (serotonin) receptor 2C		X	All tissue specimens	
HTR3A		696912	HTR3A	5-hydroxytryptamine (serotonin) receptor 3A		14	Amygdala	
IGFBP4		700963	IGFBP4	insulin-like growth factor binding protein 4	Mmu.3246	16	Hippocampus	
KIT	V-KIT	696759	KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog		5	Ventral striatum	
LHX6		698587	LHX6	LIM homeobox 6	Mmu.15691	15	Hippocampus	
LOC678697	CYP19A1	678697	CYP19A1	aromatase cytochrome P450	Mmu.9949	7	Amygdala	http://genome.ucsc.edu/cgi-bin/hgTracks?org=rhesus&position=AF193859
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	
LOC694857	CADPS2	694857	CADPS2	Ca2+-dependent activator protein for secretion 2 isoform b	Mmu.14856	3	Hippocampus	
LOC694884	CCDC3	694884	CCDC3	coiled-coil domain containing 3		9	Amygdala	
LOC694992	MEF2C	694992	MEF2C	myocyte enhancer factor 2C	Mmu.279	6	Hippocampus	
LOC695508	VGLUT3	695508	SLC17A8	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8		11	Ventral striatum	
LOC696019	SEMA5A	696019	SEMA5A	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A		6	All tissue specimens	
LOC696372	RELN	696372	RELN	reelin	Mmu.4408	3	All tissue specimens	
LOC696659	PCDH11X	696659	PCDH11X	hypothetical protein LOC696659	Mmu.8971	X	Amygdala	
LOC697272	PVALB	697272	PVALB	parvalbumin alpha		10	All tissue specimens	
LOC697481	SEMA6A	697481	SEMA6A	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A	Mmu.9975	6	Ventral striatum	
LOC699098	SYNPR	699098	SYNPR	synaptopodin	Mmu.340	2	Hippocampus	
LOC699494	LIMK1	699494	LIMK1	LIM domain kinase 1	Mmu.8523	3	Hippocampus	
LOC699572	ZNT3	699572	SLC30A3	solute carrier family 30 (zinc transporter), member 3	Mmu.15876	13	Amygdala	
LOC700562	NNAT	700562	NNAT	neuronatin		10	All tissue specimens	
LOC701810	KCTD6	701810	KCTD6	potassium channel tetramerisation domain containing 6	Mmu.14991	2	Ventral striatum	
LOC701942	DKFZP564O0823	701942	PARM-1	DKFZP564O0823 protein		5	Ventral striatum	
LOC702370	ASTN2	702370	ASTN2	astrotactin 2		15	Ventral striatum	
LOC702877	CRH	702877	CRH	corticotropin releasing hormone	Mmu.2157	8	Amygdala	
LOC703018	TSHZ1	703018	TSHZ1	teashirt family zinc finger 1	Mmu.2310	18	Amygdala	
LOC703310	RORB	703310	RORB	RAR-related orphan receptor B		15	Amygdala	
LOC703557	CPNE2	703557	CPNE2	copine II	Mmu.15319	20	Hippocampus	
LOC703792	GABRG1	703792	GABRG1	gamma-aminobutyric acid A receptor, gamma 1 precursor	Mmu.7910	5	Amygdala	
LOC704106	GNAL	704106	GNAL	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type isoform 1	Mmu.7876	18	Ventral striatum	
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	
LOC705555	PDE1A	705555	PDE1A	phosphodiesterase 1A, calmodulin-dependent isoform 1		12	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	
LOC706556	DCX	706556	DCX	doublecortin isoform a	Mmu.1276	X	Hippocampus	
LOC706985	SNCA	706985	SNCA	alpha-synuclein isoform NACP140	Mmu.445	5	Hippocampus	
LOC708165	THBS2	708165	THBS2	thrombospondin 2 precursor		4	Hippocampus	
LOC708263	SEMA3A	708263	SEMA3A	semaphorin 3A		3	Amygdala	
LOC708626	SST	708626	SST	somatostatin preproprotein		2	Hippocampus	
LOC708907	DUSP6	708907	DUSP6	dual specificity phosphatase 6 isoform a	Mmu.1577	11	Hippocampus	
LOC709771	MOXD1	709771	MOXD1	monooxygenase, DBH-like 1 isoform 1	Mmu.14121	4	Hippocampus	
LOC710112	BTG1	710112	BTG1	B-cell translocation gene 1, anti-proliferative	Mmu.1555	11	Ventral striatum	
LOC710350	MBP	710350	MBP	myelin basic protein isoform 1	Mmu.125	18	All tissue specimens	
LOC710384	DNER	710384	DNER	delta-notch-like EGF repeat-containing transmembrane	Mmu.6926	12	Ventral striatum	
LOC710540	CAMK2A	710540	CAMK2A	calcium/calmodulin-dependent protein kinase IIA isoform 1		6	Hippocampus	
LOC710783	ORPRK1	710783	ORPRK1	opioid receptor, kappa 1	Mmu.6875	8	Amygdala	
LOC712076	CXCL14	712076	CXCL14	small inducible cytokine B14 precursor	Mmu.9991	6	Ventral striatum	
LOC712795	CUX2	712795	CUX2	cut-like 2	Mmu.6573	11	Amygdala	
LOC714609	MAN1A1	714609	MAN1A1	mannosidase, alpha, class 1A, member 1	Mmu.6308	4	Ventral striatum	
LOC714983	PDE10A	714983	PDE10A	phosphodiesterase 10A		4	Ventral striatum	
LOC715357	STXBP6	715357	STXBP6	syntaxin binding protein 6 (amisyn)	Mmu.12769	7	Hippocampus	
LOC715514	CLSTN2	715514	CLSTN2	calysntenin 2		2	Ventral striatum	

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LOC715897	ADCY5	715897	ADCY5	adenylate cyclase 5		2	Ventral striatum	
LOC716063	NRGN	716063	NRGN	Neurogranin (Ng) (RC3)		14	Ventral striatum	
LOC716200	DAB1	716200	DAB1	Disabled homolog 1		1	Hippocampus	
LOC717114	COCH	717114	COCH	coagulation factor C homolog, cochlin precursor	Mmu.16283	7	Amygdala	
LOC717705	NEFH	717705	NEFH	neurofilament, heavy polypeptide 200kDa	Mmu.10899	10	All tissue specimens	
LOC718433	C20orf103	718433	C20orf103	chromosome 20 open reading frame 103	Mmu.4727	10	Ventral striatum	
LOC721468	SPATA13	721468	SPATA13	spermatogenesis associated 13	Mmu.9582	17	Amygdala	
LOC721855	COL6A1	721855	COL6A1	Collagen alpha-1(VI) chain precursor		3	All tissue specimens	
LOC722437	BAIAP3	722437	BAIAP3	BAI1-associated protein 3	Mmu.5279	20	Amygdala	
LOC722879	ROBO1	722879	ROBO1	roundabout 1 isoform a	Mmu.5226	2	Hippocampus	
NDST4		703224	NDST4	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 4		5	Amygdala	
NEFM	NEF3	711196	NEF3	neurofilament, medium polypeptide 150kDa		8	Amygdala	
NK3	TACR3	653013	TACR3	NK-3 receptor	Mmu.4891	5	Ventral striatum	http://genome.ucsc.edu/cgi-bin/hgTracks?org=rhesus&position=NM_001037862
NPY1R		574206	NPY1R	neuropeptide Y receptor Y1	Mmu.3566	5	Hippocampus	http://genome.ucsc.edu/cgi-bin/hgTracks?org=rhesus&position=NM_001032866
NPY2R		574149	NPY2R	neuropeptide Y receptor Y2	Mmu.3567	5	Amygdala	
OPRM1		574141	OPRM1	opioid receptor, mu 1	Mmu.3487	4	Ventral striatum	http://genome.ucsc.edu/cgi-bin/hgTracks?org=rhesus&position=NM_001032824
PDE1C		693937	PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa	Mmu.14880	3	Amygdala	
PDYN		716341	PDYN	prodynorphin		10	All tissue specimens	
PNOC		713633	PNOC	prepronociceptin		8	Hippocampus	
RARB		700485	RARB	retinoic acid receptor, beta		2	Ventral striatum	
RGS4		693383	RGS4	regulator of G-protein signaling 4	Mmu.202	1	Hippocampus	
RGS9		718549	RGS9	regulator of G-protein signalling 9	Mmu.5685	16	Ventral striatum	
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	http://genome.ucsc.edu/cgi-bin/hgTracks?org=rhesus&position=NM_001032952
S100B		708117	S100B	S100 calcium binding protein B	Mmu.4423	3	Ventral striatum	
SEMA3F	SEMA3C	708633	SEMA3C	similar to semaphorin 3C		3	Hippocampus	
SLC17A7	VGLUT1	574349	SLC17A7	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7	Mmu.3616	19	Hippocampus	http://genome.ucsc.edu/cgi-bin/hgTracks?org=rhesus&position=AF424830
SLC25A1	CTP	719075	SLC25A1	solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1	Mmu.10146	10	Ventral striatum	
SLC6A4	SERT	574140	SLC6A4	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Mmu.3546	16	Ventral striatum	http://genome.ucsc.edu/cgi-bin/hgTracks?org=rhesus&position=NM_001032823
SPOCK3		705964	SPOCK3	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	Mmu.13797	5	Ventral striatum	
STX1B	STX1A	574205	STX1A	syntaxin 1B	Mmu.3490	3	Amygdala	http://genome.ucsc.edu/cgi-bin/hgTracks?org=rhesus&position=NM_001032865
TAC1		697350	TAC1	tachykinin, precursor 1	Mmu.4485	3	Amygdala	
TGFB2		707540	TGFB2	transforming growth factor, beta 2		1	Amygdala	
TIAM1		702288	TIAM1	T-cell lymphoma invasion and metastasis 1		3	Ventral striatum	
TNC		702720	TNC	tenascin C (hexabrachion)	Mmu.556	15	Amygdala	
TRHDE		717653	TRHDE	thyrotropin-releasing hormone degrading enzyme	Mmu.130	11	Hippocampus	
TRPS1		700383	TRPS1	trichorhinophalangeal syndrome I	Mmu.13541	8	Hippocampus	