

Table S1

Description	Fold	FDR
ILLUMIGEN_MCQ_46808 Katze_MMJJ Macaca mulatta cDNA clone IBIUW:18836 5' similar to Bases 23 to 794 highly similar to human REG1A (Hs.49407), mRNA sequence [CO581740]	500.00	0.005
Macaca mulatta regenerating islet-derived 1 beta (REG1B), mRNA [NM_001194568]	125.00	0.027
transcobalamin I (vitamin B12 binding protein, R binder family) [Source:HGNC Symbol;Acc:11652] [ENSMUT00000018989]	83.33	0.002
transcobalamin I (vitamin B12 binding protein, R binder family) [Source:HGNC Symbol;Acc:11652] [ENSMUT00000018989]	76.92	0.003
PREDICTED: Macaca mulatta serum amyloid A protein-like, transcript variant 1 (LOC694944), mRNA [XM_001086477]	71.43	0.002
Amyloid protein A (Amyloid fibril protein AA) [Source:UniProtKB/Swiss-Prot;Acc:P02738] [ENSMUT00000015626]	71.43	0.006
PREDICTED: Macaca mulatta nitric oxide synthase 2, inducible, transcript variant 4 (NOS2), mRNA [XM_001106245]	38.46	0.010
PREDICTED: Macaca mulatta nitric oxide synthase 2, inducible, transcript variant 4 (NOS2), mRNA [XM_001106245]	27.03	0.047
Macaca mulatta protease, serine, 2 (trypsin 2) (PRSS2), mRNA [NM_001047120]	22.73	0.041
chitinase 3-like 1 (cartilage glycoprotein-39) [Source:HGNC Symbol;Acc:1932] [ENSMUT00000012174]	21.74	0.002
chitinase 3-like 1 (cartilage glycoprotein-39) [Source:HGNC Symbol;Acc:1932] [ENSMUT00000012174]	20.83	0.002
Macaca mulatta dual oxidase maturation factor 2 (DUOXA2), mRNA [NM_001194505]	18.18	0.027
serum amyloid A4, constitutive [Source:HGNC Symbol;Acc:10516] [ENSMUT00000015624]	17.54	0.046
protease, serine, 2 [Source:RefSeq peptide;Acc:NP_001040585] [ENSMUT00000041633]	17.54	0.041
small inducible cytokine B11 [Source:RefSeq peptide;Acc:NP_001028122] [ENSMUT00000029393]	16.39	0.021
ankyrin repeat domain 22 [Source:HGNC Symbol;Acc:28321] [ENSMUT0000000694]	16.13	0.011
Macaca mulatta chemokine (C-X-C motif) ligand 11 (CXCL11), mRNA [NM_001032950]	15.87	0.010
Macaca mulatta chemokine (C-X-C motif) ligand 9 (CXCL9), mRNA [NM_001032936]	14.93	0.006
Macaca mulatta unknown Fragment [Source:UniProtKB/TrEMBL;Acc:O97682] [ENSMUT00000029735]	13.89	0.029
Macaca mulatta unknown Fragment [Source:UniProtKB/TrEMBL;Acc:O97682] [ENSMUT00000029736]	12.35	0.046
succinate receptor 1 [Source:HGNC Symbol;Acc:4542] [ENSMUT00000002359]	12.20	0.004
Macaca mulatta unknown Fragment [Source:UniProtKB/TrEMBL;Acc:O97682] [ENSMUT00000029736]	12.20	0.041
Macaca mulatta indoleamine 2,3-dioxygenase 1 (IDO1), mRNA [NM_001077483]	10.10	0.003
Macaca mulatta indoleamine 2,3-dioxygenase 1 (IDO1), mRNA [NM_001077483]	10.00	0.008
annexin A3 [Source:HGNC Symbol;Acc:541] [ENSMUT00000031250]	8.47	0.041
chemokine (C-X-C motif) ligand 6 (granulocyte chemotactic protein 2) [Source:HGNC Symbol;Acc:10643] [ENSMUT00000025054]	8.00	0.042
inhibin, beta A [Source:HGNC Symbol;Acc:6066] [ENSMUT00000019988]	7.58	0.037
Macaca mulatta tripartite motif-containing 5 (TRIM5), mRNA [NM_001032910]	7.52	0.048
EGF-like-domain, multiple 6 [Source:HGNC Symbol;Acc:3235] [ENSMUT00000031824]	7.19	0.003
C-X-C motif chemokine 10 Precursor (Small-inducible cytokine B10)(10 kDa interferon-gamma-induced protein)(Gamma-IP10)(IP-10) [Source:UniProtKB/Swiss-Prot;Acc:Q8MIZ1] [ENSMUT00000029391]	6.99	0.047
granzyme K (granzyme 3; tryptase II) [Source:HGNC Symbol;Acc:4711] [ENSMUT00000028382]	6.13	0.002
Transferrin Fragment [Source:UniProtKB/TrEMBL;Acc:Q3YAS1] [ENSMUT00000012466]	6.10	0.015
ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 2 [Source:HGNC Symbol;Acc:10867] [ENSMUT00000031331]	5.92	0.024
ILLUMIGEN_MCQ_26220 Katze_MMBR Macaca mulatta cDNA clone IBIUW:8552 5' similar to Bases 3 to 1025 highly similar to human TF (Hs.433923), mRNA sequence [CN646444]	5.75	0.041
PREDICTED: Macaca mulatta retinoic acid receptor responder protein 3-like (LOC722189), mRNA [XM_001118373]	4.88	0.021
retinoic acid receptor responder (tazarotene induced) 3 [Source:HGNC Symbol;Acc:9869] [ENSMUT00000025736]	4.72	0.011
Norrie disease (pseudoglioma) [Source:HGNC Symbol;Acc:7678] [ENSMUT00000025286]	4.50	0.003
family with sequence similarity 26, member F [Source:HGNC Symbol;Acc:33391] [ENSMUT00000010359]	4.48	0.012
ring finger protein 183 [Source:HGNC Symbol;Acc:28721] [ENSMUT00000008196]	4.22	0.041
lipocalin 2 [Source:HGNC Symbol;Acc:6526] [ENSMUT00000033493]	4.15	0.010
lipocalin 2 [Source:HGNC Symbol;Acc:6526] [ENSMUT00000033493]	4.12	0.034
PREDICTED: Macaca mulatta tryptophanyl-tRNA synthetase, transcript variant 12 (WARS), mRNA [XM_001105926]	4.03	0.013
PREDICTED: Macaca mulatta ubiquitin [XR_012726]	4.00	0.025
caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase) [Source:HGNC Symbol;Acc:1499] [ENSMUT00000013767]	3.80	0.021
ubiquitin-conjugating enzyme E2L 6 [Source:HGNC Symbol;Acc:12490] [ENSMUT0000001886]	3.75	0.024
ephrin-A2 [Source:HGNC Symbol;Acc:3222] [ENSMUT00000031095]	3.70	0.021
fibroblast activation protein, alpha [Source:HGNC Symbol;Acc:3590] [ENSMUT00000004535]	3.57	0.041
apolipoprotein L, 2 [Source:HGNC Symbol;Acc:619] [ENSMUT00000002165]	3.50	0.025
Macaca mulatta outer dense fiber of sperm tails 3B (ODF3B), mRNA [NM_001194710]	3.50	0.046
Macaca mulatta CD274 molecule (CD274), mRNA [NM_001083889]	3.41	0.005
sulfatase 1 [Source:HGNC Symbol;Acc:20391] [ENSMUT00000032745]	3.34	0.040
Macaca mulatta proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2) (PSMB9), mRNA [NM_001194864]	3.31	0.037
Macaca mulatta integrin beta 1 mRNA, partial cds. [AY878076]	3.23	0.007

PREDICTED: Macaca mulatta protein ALO17-like (LOC718036), mRNA [XM_001110231]	3.19	0.010
Macaca mulatta proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2) (PSMB9), mRNA [NM_001194864]	3.13	0.029
prostate transmembrane protein, androgen induced 1 [Source:HGNC Symbol;Acc:14107] [ENSMMUT00000031785]	3.09	0.015
signal peptide, CUB domain, EGF-like 3 [Source:HGNC Symbol;Acc:13655] [ENSMMUT00000033135]	3.06	0.041
glutamic pyruvate transaminase (alanine aminotransferase) 2 [Source:HGNC Symbol;Acc:18062] [ENSMMUT0000004645]	2.93	0.026
olfactory receptor, family 51, subfamily E, member 1 [Source:HGNC Symbol;Acc:15194] [ENSMMUT00000020907]	2.79	0.036
Macaca mulatta chemokine (C-C motif) receptor 5 (CCR5), mRNA [NM_001042773]	2.74	0.025
signal transducer and activator of transcription 1, 91kDa [Source:HGNC Symbol;Acc:11362] [ENSMMUT0000007897]	2.73	0.046
ILLUMIGEN_MQC_28473 Katze_MMPB Macaca mulatta cDNA clone IBIUW:7603 5' similar to Bases 149 to 409 highly similar to human APOL1 (Hs.114309), mRNA sequence [CN647435]	2.67	0.037
baculoviral IAP repeat-containing 3 [Source:HGNC Symbol;Acc:591] [ENSMMUT0000004807]	2.62	0.040
platelet-derived growth factor receptor-like [Source:HGNC Symbol;Acc:8805] [ENSMMUT0000001624]	2.51	0.039
G protein-coupled receptor 115 [Source:HGNC Symbol;Acc:19011] [ENSMMUT00000025228]	2.49	0.006
Sushi-repeat protein [Source:UniProtKB/TrEMBL;Acc:A3FEK9] [ENSMMUT00000011478]	2.48	0.034
F-box protein 6 [Source:HGNC Symbol;Acc:13585] [ENSMMUT00000047575]	2.44	0.016
Macaca mulatta chloride channel accessory 1 (CLCA1), mRNA [NM_001032912]	2.43	0.012
nuclear factor (erythroid-derived 2)-like 3 [Source:HGNC Symbol;Acc:7783] [ENSMMUT00000005121]	2.39	0.008
transmembrane protein 190 [Source:HGNC Symbol;Acc:29632] [ENSMMUT00000022343]	2.36	0.029
Protein HIDE1 Precursor [Source:UniProtKB/Swiss-Prot;Acc:A8MVS5] [ENSMMUT00000026680]	2.36	0.041
F-box protein 6 [Source:HGNC Symbol;Acc:13585] [ENSMMUT00000047575]	2.28	0.032
cell division cycle 25 homolog B (S. pombe) [Source:HGNC Symbol;Acc:1726] [ENSMMUT00000026604]	2.25	0.035
ILLUMIGEN_MQC_69095 Katze_MMTE Macaca mulatta cDNA clone IBIUW:39364 5' similar to Bases 7 to 610 highly similar to human IFITM3 (Hs.374650), mRNA sequence [DV769955]	2.25	0.036
tumor necrosis factor receptor superfamily, member 9 [Source:HGNC Symbol;Acc:11924] [ENSMMUT00000023238]	2.25	0.046
GRIP and coiled-coil domain containing 2 [Source:HGNC Symbol;Acc:23218] [ENSMMUT00000032158]	2.15	0.045
solute carrier family 6 (neurotransmitter transporter, taurine), member 6 [Source:HGNC Symbol;Acc:11052] [ENSMMUT00000008890]	2.04	0.046
pim-3 oncogene [Source:HGNC Symbol;Acc:19310] [ENSMMUT00000003046]	2.03	0.046
ILLUMIGEN_MQC_27395 Katze_MMBR Macaca mulatta cDNA clone IBIUW:8115 5' similar to Bases 1 to 600 highly similar to human DSCR6 (Hs.254560), mRNA sequence [CN646916]	1.98	0.047
purinergic receptor P2Y, G-protein coupled, 14 [Source:HGNC Symbol;Acc:16442] [ENSMMUT00000024237]	1.95	0.041
purinergic receptor P2Y, G-protein coupled, 14 [Source:HGNC Symbol;Acc:16442] [ENSMMUT00000024237]	1.93	0.046
ERO1-like (S. cerevisiae) [Source:HGNC Symbol;Acc:13280] [ENSMMUT00000039844]	1.92	0.046
tribbles homolog 3 (Drosophila) [Source:HGNC Symbol;Acc:16228] [ENSMMUT00000017657]	1.69	0.024
PREDICTED: Macaca mulatta mitochondrial inner membrane protease ATP23 homolog (LOC712932), mRNA [XM_001102089]	0.62	0.046
solute carrier family 16, member 10 (aromatic amino acid transporter) [Source:HGNC Symbol;Acc:17027] [ENSMMUT00000030306]	0.55	0.027
Macaca mulatta lymphocyte antigen 6 complex, locus G6C (LY6G6C), mRNA [NM_001194576]	0.55	0.008
acetyl-CoA acyltransferase 1 [Source:HGNC Symbol;Acc:82] [ENSMMUT00000001420]	0.54	0.041
PREDICTED: Macaca mulatta jerky homolog-like (mouse) (JRKL), mRNA [XM_001094262]	0.54	0.041
Macaca mulatta multimerin 2 (MMRN2), mRNA [NM_001193776]	0.53	0.024
membrane-spanning 4-domains, subfamily A, member 13 [Source:HGNC Symbol;Acc:16674] [ENSMMUT00000044282]	0.52	0.010
plexin domain containing 1 [Source:HGNC Symbol;Acc:20945] [ENSMMUT00000006939]	0.49	0.020
matrilin 2 [Source:HGNC Symbol;Acc:6908] [ENSMMUT00000028224]	0.48	0.046
PREDICTED: Macaca mulatta protein kinase, AMP-activated, alpha 2 catalytic subunit (PRKAA2), partial mRNA [XM_002801568]	0.47	0.010
leucine rich repeat transmembrane neuronal 4 [Source:HGNC Symbol;Acc:19411] [ENSMMUT00000043428]	0.46	0.020
ILLUMIGEN_MQC_10841 Katze_MMPL2 Macaca mulatta cDNA clone IBIUW:9592 5' similar to Bases 1 to 695 highly similar to human PP2135 (Hs.132569), mRNA sequence [CN644776]	0.46	0.041
Macaca mulatta forkhead box C2 (MFH-1, mesenchyme forkhead 1) (FOXC2), mRNA [NM_001198708]	0.46	0.012
PREDICTED: Macaca mulatta keratin-associated protein 13-1-like (LOC712810), mRNA [XM_001101916]	0.45	0.012
klotho [Source:HGNC Symbol;Acc:6344] [ENSMMUT00000023968]	0.45	0.003
Transmembrane protein C20orf123 [Source:UniProtKB/Swiss-Prot;Acc:Q9BR26] [ENSMMUT00000023768]	0.45	0.012
laminin, alpha 3 [Source:HGNC Symbol;Acc:6483] [ENSMMUT00000048264]	0.45	0.041
advillin [Source:HGNC Symbol;Acc:14188] [ENSMMUT00000007486]	0.44	0.033
programmed cell death 4 (neoplastic transformation inhibitor) [Source:HGNC Symbol;Acc:8763] [ENSMMUT00000024185]	0.42	0.025
Macaca mulatta dehydrogenase/reductase (SDR family) member 4 (DHRS4), mRNA [NM_001194475]	0.42	0.049
PREDICTED: Macaca mulatta hypothetical LOC721380 (LOC721380), mRNA [XM_001117508]	0.41	0.041

phosphatidylinositol glycan anchor biosynthesis, class Z [Source:HGNC Symbol;Acc:30596] [ENSMMUT00000045206]	0.41	0.009
calcium/calmodulin-dependent protein kinase II beta [Source:HGNC Symbol;Acc:1461] [ENSMMUT00000003466]	0.39	0.026
protein kinase, AMP-activated, alpha 2 catalytic subunit [Source:HGNC Symbol;Acc:9377] [ENSMMUT00000014567]	0.38	0.021
CNKSR family member 3 [Source:HGNC Symbol;Acc:23034] [ENSMMUT00000002065]	0.38	0.035
PREDICTED: Macaca mulatta insulin-like growth factor binding protein 1, transcript variant 3 (IGFBP1), mRNA [XM_001085935]	0.38	0.027
ILLUMIGEN_MCQ_6817 Katze_MMPL2 Macaca mulatta cDNA clone IBIUW:4419 5' similar to Bases 1 to 1071 highly similar to human FBXO32 (Hs.403933), mRNA sequence [CN802472]	0.37	0.022
PREDICTED: Macaca mulatta 39S ribosomal protein L54, mitochondrial-like (LOC713878), mRNA [XM_001100840]	0.37	0.019
Macaca mulatta KIAA1324-like (KIAA1324L), mRNA [NM_001194030]	0.36	0.006
PREDICTED: Macaca mulatta peroxisomal biogenesis factor 11 alpha, transcript variant 1 (PEX11A), mRNA [XM_001093381]	0.35	0.045
Macaca mulatta dehydrogenase/reductase (SDR family) member 4 (DHRS4), mRNA [NM_001194475]	0.35	0.033
PREDICTED: Macaca mulatta hypothetical protein LOC100424638 (LOC100424638), mRNA [XM_002802655]	0.33	0.035
PREDICTED: Macaca mulatta melanoma associated antigen (mutated) 1-like 1, transcript variant 3 (MUM1L1), mRNA [XM_001092843]	0.31	0.014
BCL2-like 10 (apoptosis facilitator) [Source:HGNC Symbol;Acc:993] [ENSMMUT00000024430]	0.31	0.004
PREDICTED: Macaca mulatta cytochrome c oxidase subunit 6C-like (LOC100423334), mRNA [XM_002802732]	0.30	0.033
protease, serine, 42 [Source:HGNC Symbol;Acc:30716] [ENSMMUT00000020676]	0.30	0.003
PREDICTED: Macaca mulatta ectodysplasin A, transcript variant 1 (EDA), mRNA [XM_001082424]	0.29	0.031
PREDICTED: Macaca mulatta sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B, transcript variant 1 (SEMA3B), mRNA [XM_001102773]	0.28	0.033
HHIP-like 2 [Source:HGNC Symbol;Acc:25842] [ENSMMUT00000011055]	0.27	0.023
phospholipid scramblase 4 [Source:HGNC Symbol;Acc:16497] [ENSMMUT00000045531]	0.27	0.005
leucine rich repeat transmembrane neuronal 4 [Source:HGNC Symbol;Acc:19411] [ENSMMUT00000043428]	0.26	0.002
PREDICTED: Macaca mulatta SH3-domain GRB2-like 2 (SH3GL2), mRNA [XM_001102732]	0.25	0.010
calcium/calmodulin-dependent protein kinase II beta [Source:HGNC Symbol;Acc:1461] [ENSMMUT00000003462]	0.25	0.039
Xg pseudogene, Y-linked 2 [Source:HGNC Symbol;Acc:34022] [ENSMMUT00000048240]	0.25	0.041
Macaca mulatta neuropeptide Y receptor Y5 (NPY5R), mRNA [NM_001032833]	0.25	0.010
PREDICTED: Macaca mulatta hemogen, transcript variant 4 (HEMGN), mRNA [XM_001113799]	0.24	0.041
Uncharacterized protein C1orf115 [Source:UniProtKB/Swiss-Prot;Acc:Q9H7X2] [ENSMMUT00000033027]	0.23	0.008
dynein, axonemal, heavy chain 7 [Source:HGNC Symbol;Acc:18661] [ENSMMUT00000007911]	0.23	0.040
Macaca mulatta neuropeptide Y receptor Y1 (NPY1R), mRNA [NM_001032866]	0.23	0.002
homeobox D1 [Source:HGNC Symbol;Acc:5132] [ENSMMUT000000031334]	0.23	0.024
ATP-binding cassette, sub-family A (ABC1), member 8 [Source:HGNC Symbol;Acc:38] [ENSMMUT00000026133]	0.22	0.012
histidine rich carboxyl terminus 1 [Source:HGNC Symbol;Acc:33872] [ENSMMUT00000022949]	0.22	0.046
Dynein Fragment [Source:UniProtKB/TrEMBL;Acc:Q6UIQ6] [ENSMMUT00000008273]	0.20	0.002
POU class 2 homeobox 3 [Source:HGNC Symbol;Acc:19864] [ENSMMUT00000017160]	0.20	0.008
RUN domain containing 3B [Source:HGNC Symbol;Acc:30286] [ENSMMUT00000009468]	0.20	0.047
protein serine kinase H2 [Source:HGNC Symbol;Acc:18997] [ENSMMUT00000002287]	0.20	0.024
neuropeptide Y receptor Y1 [Source:RefSeq peptide;Acc:NP_001028038] [ENSMMUT00000028477]	0.19	0.002
PREDICTED: Macaca mulatta putative peptide YY-3-like (LOC694766), mRNA [XM_001083655]	0.19	0.024
Macaca mulatta myosin, heavy chain 2, skeletal muscle, adult (MYH2), mRNA [NM_001195292]	0.18	0.041
Macaca mulatta myosin, heavy chain 2, skeletal muscle, adult (MYH2), mRNA [NM_001195292]	0.18	0.010
PREDICTED: Macaca mulatta keratin associated protein 13-2 (KRTAP13-2), mRNA [XM_001099939]	0.17	0.004
metallothionein 1B [Source:HGNC Symbol;Acc:7394] [ENSMMUT000000039322]	0.14	0.037
Dynein Fragment [Source:UniProtKB/TrEMBL;Acc:Q6UIQ6] [ENSMMUT00000008273]	0.14	0.003
retinol binding protein 4, plasma [Source:HGNC Symbol;Acc:9922] [ENSMMUT00000020627]	0.14	0.012
PREDICTED: Macaca mulatta hypothetical LOC701270 (LOC701270), mRNA [XM_001089592]	0.14	0.015
MAM domain containing 2 [Source:HGNC Symbol;Acc:23673] [ENSMMUT00000011666]	0.14	0.002
retinol binding protein 4, plasma [Source:HGNC Symbol;Acc:9922] [ENSMMUT00000020627]	0.14	0.015
SVOP-like [Source:HGNC Symbol;Acc:27034] [ENSMMUT000000030500]	0.12	0.024
metallothionein 1B [Source:HGNC Symbol;Acc:7394] [ENSMMUT000000039324]	0.08	0.006
immunoglobulin superfamily, member 21 [Source:HGNC Symbol;Acc:28246] [ENSMMUT000000033081]	0.08	0.046
dehydrogenase/reductase (SDR family) member 7C [Source:HGNC Symbol;Acc:32423] [ENSMMUT00000042221]	0.06	0.002
Uncharacterized protein C11orf16 [Source:UniProtKB/Swiss-Prot;Acc:Q9NQ32] [ENSMMUT00000002826]	0.06	0.010
cytochrome P450, family 3, subfamily A, polypeptide 5 [Source:RefSeq peptide;Acc:NP_001035309] [ENSMMUT00000005022]	0.06	0.015