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Rank	Gene Accession	Gene Symbol	Gene Description	Microglia	Astrocyte
1	NM_010766	<i>Marco</i>	macrophage receptor with collagenous structure	17.20	1.32
2	NM_013653	<i>Ccl5</i>	chemokine (C-C motif) ligand 5	14.66	1.01
3	NM_153511	<i>Il1f9</i>	interleukin 1 family, member 9	14.56	1.17
4	NM_011315	<i>Saa3</i>	serum amyloid A 3	13.03	1.10
5	NM_010927	<i>Nos2</i>	nitric oxide synthase 2, inducible	11.22	1.61
6	NM_010260	<i>Gbp2</i>	guanylate binding protein 2	10.00	1.86
7	NM_022415	<i>Ptges</i>	prostaglandin E synthase	9.32	1.39
8	NM_008204	<i>H2-M2</i>	histocompatibility 2, M region locus 2	9.05	1.26
9	NM_009421	<i>Traf1</i>	TNF receptor-associated factor 1	9.02	1.88
10	NM_001037917	<i>EG622976</i>	predicted gene, EG622976	7.94	1.66
11	NM_011111	<i>Serpinb2</i>	serine (or cysteine) peptidase inhibitor, clade B, member 2	7.59	1.27
12	NM_007646	<i>Cd38</i>	CD38 antigen	7.23	1.41
13	NM_017466	<i>Ccr12</i>	chemokine (C-C motif) receptor-like 2	5.60	1.64
14	NM_008413	<i>Jak2</i>	Janus kinase 2	5.48	1.74
15	NM_010728	<i>Lox</i>	lysyl oxidase	5.42	1.57
16	NM_018734	<i>Gbp3</i>	guanylate binding protein 3	5.12	1.40
17	NM_008198	<i>Cfb</i>	complement factor B	5.04	-1.01
18	NM_030701	<i>Niacr1</i>	niacin receptor 1	4.98	1.34
19	NM_008356	<i>Il13ra2</i>	interleukin 13 receptor, alpha 2	4.94	1.10
20	NM_021384	<i>Rsad2</i>	radical S-adenosyl methionine domain containing 2	4.92	1.58
21	NM_170701	<i>Cd40</i>	CD40 antigen	4.80	1.27
22	NM_008655	<i>Gadd45b</i>	growth arrest and DNA-damage-inducible 45 beta	4.77	1.24
23	NM_008591	<i>Met</i>	met proto-oncogene	4.71	1.04
24	NM_001080813	<i>Rab11fip1</i>	RAB11 family interacting protein 1 (class I)	4.68	1.13
25	NM_009778	<i>C3</i>	complement component 3	4.20	1.15
26	NM_021893	<i>Cd274</i>	CD274 antigen	4.19	1.77
27	NM_010548	<i>Il10</i>	interleukin 10	4.09	1.14
28	NM_010174	<i>Fabp3</i>	fatty acid binding protein 3, muscle and heart	4.03	1.13
29	NM_008608	<i>Mmp14</i>	matrix metalloproteinase 14 (membrane-inserted)	3.98	1.13
30	NM_145827	<i>Nlrp3</i>	NLR family, pyrin domain containing 3	3.95	1.86
31	NM_017370	<i>Hp</i>	haptoglobin	3.94	1.31
32	NM_010104	<i>Edn1</i>	endothelin 1	3.86	1.20
33	NM_008331	<i>Ifit1</i>	interferon-induced protein with tetratricopeptide repeats 1	3.77	1.31
34	NM_009137	<i>Ccl22</i>	chemokine (C-C motif) ligand 22	3.76	1.23
35	NM_010407	<i>Hck</i>	hemopoietic cell kinase	3.75	1.41
36	NM_008360	<i>Il18</i>	interleukin 18	3.67	1.25
37	NM_025967	<i>D16Ert472e</i>	DNA segment, Chr 16, ERATO Doi 472, expressed	3.65	1.23
38	NM_009647	<i>Ak3l1</i>	adenylate kinase 3-like 1	3.64	1.16
39	NM_033322	<i>Lztf1</i>	leucine zipper transcription factor-like 1	3.60	1.12
40	NM_028935	<i>Zfp558</i>	zinc finger protein 558	3.58	-1.04
41	NM_194336	<i>Mpa2l</i>	macrophage activation 2 like	3.56	1.74
42	NM_007707	<i>Socs3</i>	suppressor of cytokine signaling 3	3.55	1.23
43	NM_011990	<i>Slc7a11</i>	solute carrier family 7, member 11	3.51	1.65
44	NM_023908	<i>Slco3a1</i>	solute carrier organic anion transporter family, member 3a1	3.49	1.18
45	NM_010501	<i>Ifit3</i>	interferon-induced protein with tetratricopeptide repeats 3	3.49	1.00
46	NM_008332	<i>Ifit2</i>	interferon-induced protein with tetratricopeptide repeats 2	3.46	1.05
47	NM_008607	<i>Mmp13</i>	matrix metalloproteinase 13	3.39	1.24
48	NM_028523	<i>Dcbl2</i>	discoidin, CUB and LCCL domain containing 2	3.32	1.18
49	NM_013642	<i>Dusp1</i>	dual specificity phosphatase 1	3.31	-1.03
50	NM_008327	<i>Ifi202b</i>	interferon activated gene 202B	3.30	1.13
51	NM_133232	<i>Pfkfb3</i>	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	3.27	1.06
52	NM_013831	<i>Pstpip2</i>	proline-serine-threonine phosphatase-interacting protein 2	3.16	1.47
53	NM_019840	<i>Pde4b</i>	phosphodiesterase 4B, cAMP specific	3.13	1.52

54	BC049633	AA467197	expressed sequence AA467197	3.10	1.52
55	NM_010274	<i>Gpd2</i>	glycerol phosphate dehydrogenase 2, mitochondrial	3.07	-1.04
56	NM_001033302	<i>Gm129</i>	gene model 129, (NCBI)	3.07	-1.12
57	NM_009344	<i>Phlda1</i>	pleckstrin homology-like domain, family A, member 1	3.07	1.46
58	NM_172050	<i>Cd300e</i>	CD300e antigen	3.05	1.10
59	NM_009477	<i>Upp1</i>	uridine phosphorylase 1	3.03	1.20
60	NR_003508	<i>Mx2</i>	myxovirus (influenza virus) resistance 2	3.02	1.07
61	NM_015766	<i>Ebi3</i>	Epstein-Barr virus induced gene 3	2.99	1.30
62	NM_013599	<i>Mmp9</i>	matrix metalloproteinase 9	2.98	1.43
63	NM_133209	<i>Pilrb1</i>	paired immunoglobulin-like type 2 receptor beta 1	2.95	1.20
64	NM_013790	<i>Abcc5</i>	ATP-binding cassette, sub-family C, member 5	2.95	1.13
65	NM_028133	<i>Egln3</i>	EGL nine homolog 3 (C. elegans)	2.90	1.05
66	NM_133661	<i>Slc6a12</i>	solute carrier family 6, member 12	2.90	1.07
67	NM_015783	<i>Isg15</i>	ISG15 ubiquitin-like modifier	2.88	1.07
68	NM_010809	<i>Mmp3</i>	matrix metalloproteinase 3	2.88	1.14
69	AK220416	<i>Zc3h12c</i>	zinc finger CCCH type containing 12C	2.87	1.43
70	NM_009627	<i>Adm</i>	adrenomedullin	2.86	1.17
71	NM_130447	<i>Dusp16</i>	dual specificity phosphatase 16	2.86	1.20
72	NM_008987	<i>Ptx3</i>	pentraxin related gene	2.82	1.19
73	NM_008501	<i>Lif</i>	leukemia inhibitory factor	2.81	1.36
74	NM_033322	<i>Lztf1</i>	leucine zipper transcription factor-like 1	2.78	1.20
75	NM_001081211	<i>Ptafr</i>	platelet-activating factor receptor	2.77	-1.04
76	NM_001040400	<i>Tet2</i>	tet oncogene family member 2	2.75	1.02
77	NM_030259	<i>Rilpl2</i>	Rab interacting lysosomal protein-like 2	2.75	1.31
78	NM_009760	<i>Bnip3</i>	BCL2/adenovirus E1B interacting protein 3	2.74	1.14
79	NM_007413	<i>Adora2b</i>	adenosine A2b receptor	2.73	1.25
80	NM_001099624	<i>Rapgef2</i>	Rap guanine nucleotide exchange factor (GEF) 2	2.68	1.02
81	NM_008380	<i>Inhba</i>	inhibin beta-A	2.67	1.15
82	NM_011580	<i>Thbs1</i>	thrombospondin 1	2.67	-1.06
83	NM_001163567	<i>Fam102b</i>	family with sequence similarity 102, member B	2.66	-1.06
84	NM_181545	<i>Slfn8</i>	schlafen 8	2.66	1.27
85	NM_175549	<i>Robo2</i>	roundabout homolog 2 (Drosophila)	2.65	1.01
86	NM_025681	<i>Lix1</i>	limb expression 1 homolog (chicken)	2.63	1.01
87	NM_007972	<i>F10</i>	coagulation factor X	2.58	1.02
88	NM_007936	<i>Epha4</i>	Eph receptor A4	2.53	-1.07
89	NM_008215	<i>Has1</i>	hyaluronan synthase1	2.52	-1.01
90	NM_028680	<i>Ift57</i>	intraflagellar transport 57 homolog (Chlamydomonas)	2.51	1.06
91	NM_009971	<i>Csf3</i>	colony stimulating factor 3 (granulocyte)	2.50	1.08
92	NM_031167	<i>Il1rn</i>	interleukin 1 receptor antagonist	2.49	1.16
93	NM_130877	<i>Peg10</i>	paternally expressed 10	2.49	-1.17
94	NM_001102404	<i>Acp5</i>	acid phosphatase 5, tartrate resistant	2.45	1.11
95	NM_138648	<i>Olr1</i>	oxidized low density lipoprotein (lectin-like) receptor 1	2.41	1.17
96	NM_021524	<i>Nampt</i>	nicotinamide phosphoribosyltransferase	2.40	1.06
97	NM_010846	<i>Mx1</i>	myxovirus (influenza virus) resistance 1	2.39	1.10
98	NM_134080	<i>Flnb</i>	filamin, beta	2.38	-1.01
99	NM_010162	<i>Ext1</i>	exostoses (multiple) 1	2.37	1.14
100	NM_007616	<i>Cav1</i>	caveolin 1, caveolae protein	2.37	-1.08
101	NM_029942	<i>Preli2</i>	PRELI domain containing 2	2.34	1.12
102	NM_008329	<i>Ifi204</i>	interferon activated gene 204	2.34	1.15
103	NM_146085	<i>Apbb3</i>	amyloid beta precursor protein-binding, family B, member 3	2.34	1.01
104	NM_026772	<i>Cdc42ep2</i>	CDC42 effector protein (Rho GTPase binding) 2	2.33	1.00
105	NM_212444	<i>Gyk</i>	glycerol kinase	2.31	1.11
106	NM_030678	<i>Gys1</i>	glycogen synthase 1, muscle	2.28	1.08
107	NM_009642	<i>Agtrap</i>	angiotensin II, type I receptor-associated protein	2.27	1.06
108	NM_008247	<i>Ppap2a</i>	phosphatidic acid phosphatase type 2A	2.25	1.06
109	NM_007494	<i>Ass1</i>	argininosuccinate synthetase 1	2.24	1.10
110	NM_001081249	<i>Vcan</i>	versican	2.23	1.05
111	NM_011171	<i>Procr</i>	protein C receptor, endothelial	2.22	1.07
112	NM_144839	<i>Ube2e2</i>	ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homolog, yeast)	2.18	-1.03
113	NM_001033922	<i>Trem14</i>	triggering receptor expressed on myeloid cells-like 4	2.10	1.01
114	NM_031997	<i>Tmem2</i>	transmembrane protein 2	2.07	1.00
115	NM_153402	<i>Eif2c3</i>	eukaryotic translation initiation factor 2C, 3	2.05	1.01

116	NM_009921	<i>Camp</i>	cathelicidin antimicrobial peptide		2.04		1.02
117	NM_175272	<i>Nav2</i>	neuron navigator 2		-2.01		-1.01
118	NM_011851	<i>Nt5e</i>	5' nucleotidase, ecto		-2.05		1.02
119	NM_001113460	<i>Tec</i>	tec protein tyrosine kinase		-2.08		-1.03
120	NM_023794	<i>Etv5</i>	ets variant gene 5		-2.09		-1.04
121	NM_021886	<i>Cenph</i>	centromere protein H		-2.09		-1.01
122	NM_153139	<i>Slc36a1</i>	solute carrier family 36, member 1		-2.09		-1.01
123	NM_001030307	<i>Dkc1</i>	dyskeratosis congenita 1, dyskerin homolog		-2.10		1.00
124	NM_010931	<i>Uhrf1</i>	ubiquitin-like, containing PHD and RING finger domains, 1		-2.12		-1.02
125	NM_134081	<i>Dnajc9</i>	DnaJ (Hsp40) homolog, subfamily C, member 9		-2.12		1.01
126	NM_146069	<i>Lrrc33</i>	leucine rich repeat containing 33		-2.16		-1.05
127	NM_008563	<i>Mcm3</i>	minichromosome maintenance deficient 3		-2.17		1.08
128	NM_010137	<i>Epas1</i>	endothelial PAS domain protein 1		-2.17		-1.06
129	NM_001025382	<i>EG574403</i>	predicted gene, EG574403		-2.17		-1.05
130	NM_001113518	<i>Arhgef7</i>	Rho guanine nucleotide exchange factor (GEF7)		-2.19		-1.06
131	NM_007930	<i>Enc1</i>	ectodermal-neural cortex 1		-2.20		-1.09
132	NM_175429	<i>Kctd12b</i>	potassium channel tetramerisation domain containing 12b		-2.21		-1.04
133	BC046640	<i>Tmem173</i>	transmembrane protein 173		-2.23		1.03
134	NM_011249	<i>Rbl1</i>	retinoblastoma-like 1 (p107)		-2.23		-1.10
135	NM_172814	<i>Lrp12</i>	low density lipoprotein-related protein 12		-2.24		-1.09
136	NM_028904	<i>Rmi1</i>	RMI1, RecQ mediated genome instability 1, homolog		-2.26		-1.10
137	NM_001110231	<i>Cugbp2</i>	CUG triplet repeat, RNA binding protein 2		-2.27		-1.13
138	NM_024290	<i>Tnfrsf23</i>	tumor necrosis factor receptor superfamily, member 23		-2.27		1.00
139	NM_007691	<i>Chek1</i>	checkpoint kinase 1 homolog		-2.28		-1.04
140	NM_146040	<i>Cdca7l</i>	cell division cycle associated 7 like		-2.28		1.04
141	NM_008317	<i>Hyal1</i>	hyaluronoglucosaminidase 1		-2.33		-1.04
142	NM_175645	<i>Xylt1</i>	xylosyltransferase 1		-2.34		-1.07
143	NM_008921	<i>Prim1</i>	DNA primase, p49 subunit		-2.34		-1.09
144	NM_021790	<i>Cenpk</i>	centromere protein K		-2.35		-1.11
145	NM_172598	<i>Wdhd1</i>	WD repeat and HMG-box DNA binding protein 1		-2.39		-1.05
146	NM_031159	<i>Apobec1</i>	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1		-2.42		-1.14
147	NM_176837	<i>Arhgap18</i>	Rho GTPase activating protein 18		-2.42		-1.13
148	NM_008628	<i>Msh2</i>	mutS homolog 2		-2.48		1.01
149	NM_016920	<i>Atp6v0a1</i>	ATPase, H ⁺ transporting, lysosomal V0 subunit A1		-2.56		-1.05
150	NM_001080814	<i>Fat3</i>	FAT tumor suppressor homolog 3		-2.57		-1.20
151	BC027537	<i>Gins1</i>	GINS complex subunit 1 (Psf1 homolog)		-2.60		-1.09
152	NM_008533	<i>Cd180</i>	CD180 antigen		-2.60		-1.06
153	NM_008565	<i>Mcm4</i>	minichromosome maintenance deficient 4 homolog		-2.64		-1.06
154	NM_001146180	<i>Mtss1</i>	metastasis suppressor 1		-2.65		-1.23
155	NM_001142918	<i>Tcf7l2</i>	transcription factor 7-like 2, T-cell specific, HMG-box		-2.67		-1.14
156	NM_134083	<i>Rcctb2</i>	RCC1 and BTB domain containing protein 2		-2.71		-1.17
157	NM_146073	<i>Zdhhc14</i>	zinc finger, DHHC domain containing 14		-2.72		-1.16
158	NM_008892	<i>Pola1</i>	polymerase (DNA directed), alpha 1		-2.75		1.01
159	NM_177184	<i>Vps13c</i>	vacuolar protein sorting 13C (yeast)		-2.80		-1.23
160	NM_008969	<i>Ptgs1</i>	prostaglandin-endoperoxide synthase 1		-2.81		-1.14
161	NM_007420	<i>Adrb2</i>	adrenergic receptor, beta 2		-2.82		-1.04
162	NM_019971	<i>Pdgfc</i>	platelet-derived growth factor, C polypeptide		-2.85		-1.28
163	NM_139232	<i>Fgd4</i>	FYVE, RhoGEF and PH domain containing 4		-2.86		-1.07
164	NM_178407	<i>Arap2</i>	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2		-2.92		1.03
165	NM_133829	<i>Mfsd6</i>	major facilitator superfamily domain containing 6		-2.95		-1.10
166	NM_008234	<i>Hells</i>	helicase, lymphoid specific		-2.96		-1.03
167	NM_001001309	<i>Itga8</i>	integrin alpha 8		-3.13		-1.02
168	NM_020567	<i>Gmnn</i>	geminin		-3.20		-1.20
169	NM_001013370	<i>Sesn1</i>	sestrin 1		-3.22		-1.10
170	NM_054102	<i>Ivns1abp</i>	influenza virus NS1A binding protein		-3.39		-1.03
171	NM_001145960	<i>Slc37a2</i>	solute carrier family 37, member 2		-3.44		-1.23
172	NM_011994	<i>Abcd2</i>	ATP-binding cassette, sub-family D (ALD), member 2		-3.67		-1.28
173	NM_007631	<i>Ccnd1</i>	cyclin D1		-3.84		-1.04
174	NM_008567	<i>Mcm6</i>	minichromosome maintenance deficient 6		-3.85		-1.06
175	NM_008873	<i>Plau</i>	plasminogen activator, urokinase		-4.12		-1.50
176	NM_177260	<i>Tmem154</i>	transmembrane protein 154		-7.64		-1.38
177	NM_009061	<i>Rgs2</i>	regulator of G-protein signaling 2		-8.90		-1.93