

Significant genes from the enriched pathways with Ensembl IDs

Generated on 2025-11-12

Pathway ID	Pathway	Gene symbol	Ensembl ID
R-MMU-112316	Neuronal System	Kcnb2	ENSMUSG00000092083
R-MMU-112316	Neuronal System	Rims1	ENSMUSG00000041670
R-MMU-112316	Neuronal System	Kcnh1	ENSMUSG00000058248
R-MMU-112316	Neuronal System	Grik2	ENSMUSG00000056073
R-MMU-112316	Neuronal System	Lrrtm3	ENSMUSG00000042846
R-MMU-112316	Neuronal System	Ppfia2	ENSMUSG00000053825
R-MMU-112316	Neuronal System	Syt1	ENSMUSG00000035864
R-MMU-112316	Neuronal System	Kcnc2	ENSMUSG00000035681
R-MMU-112316	Neuronal System	Grip1	ENSMUSG00000034813
R-MMU-112316	Neuronal System	Adcy1	ENSMUSG00000020431
R-MMU-112316	Neuronal System	Gira1	ENSMUSG00000000263
R-MMU-112316	Neuronal System	Gria1	ENSMUSG00000020524
R-MMU-112316	Neuronal System	Cacng4	ENSMUSG00000020723
R-MMU-112316	Neuronal System	Kcnj2	ENSMUSG00000041695
R-MMU-112316	Neuronal System	Kcnh5	ENSMUSG00000034402
R-MMU-112316	Neuronal System	Nrxn3	ENSMUSG00000066392
R-MMU-112316	Neuronal System	Slitrk1	ENSMUSG00000075478
R-MMU-112316	Neuronal System	Slitrk5	ENSMUSG00000033214
R-MMU-112316	Neuronal System	Adcy9	ENSMUSG00000005580
R-MMU-112316	Neuronal System	Abat	ENSMUSG00000057880
R-MMU-112316	Neuronal System	Adcy5	ENSMUSG00000022840
R-MMU-112316	Neuronal System	Lrfn2	ENSMUSG00000040490
R-MMU-112316	Neuronal System	Kcnh8	ENSMUSG00000035580
R-MMU-112316	Neuronal System	Epb41l3	ENSMUSG00000024044
R-MMU-112316	Neuronal System	Dlgap1	ENSMUSG00000003279
R-MMU-112316	Neuronal System	Nrxn1	ENSMUSG00000024109
R-MMU-112316	Neuronal System	Camk2a	ENSMUSG00000024617
R-MMU-112316	Neuronal System	Rtn3	ENSMUSG00000024758
R-MMU-112316	Neuronal System	Apba1	ENSMUSG00000024897
R-MMU-112316	Neuronal System	Kcnv2	ENSMUSG00000047298

Significant genes from the enriched pathways with Ensembl IDs

Generated on 2025-11-12

Pathway ID	Pathway	Gene symbol	Ensembl ID
R-MMU-112316	Neuronal System	Slc1a1	ENSMUSG00000024935
R-MMU-112316	Neuronal System	Slc18a2	ENSMUSG00000025094
R-MMU-112316	Neuronal System	Cacnb2	ENSMUSG00000057914
R-MMU-112316	Neuronal System	Gad2	ENSMUSG00000026787
R-MMU-112316	Neuronal System	Stxbp1	ENSMUSG00000026797
R-MMU-112316	Neuronal System	Kcnj3	ENSMUSG00000026824
R-MMU-112316	Neuronal System	Kcnh7	ENSMUSG00000059742
R-MMU-112316	Neuronal System	Slc1a2	ENSMUSG00000005089
R-MMU-112316	Neuronal System	Kcna4	ENSMUSG00000042604
R-MMU-112316	Neuronal System	Plcb1	ENSMUSG00000051177
R-MMU-112316	Neuronal System	Snap25	ENSMUSG00000027273
R-MMU-112316	Neuronal System	Chrna4	ENSMUSG00000027577
R-MMU-112316	Neuronal System	Kcnab1	ENSMUSG00000027827
R-MMU-112316	Neuronal System	Camk2d	ENSMUSG00000053819
R-MMU-112316	Neuronal System	Prkacb	ENSMUSG00000005034
R-MMU-112316	Neuronal System	Ptprd	ENSMUSG00000028399
R-MMU-112316	Neuronal System	Slc1a7	ENSMUSG00000008932
R-MMU-112316	Neuronal System	Grik3	ENSMUSG00000001985
R-MMU-112316	Neuronal System	Epb41	ENSMUSG00000028906
R-MMU-112316	Neuronal System	Rps6ka1	ENSMUSG00000003644
R-MMU-112316	Neuronal System	Gnai1	ENSMUSG00000057614
R-MMU-112316	Neuronal System	Chrna9	ENSMUSG00000029205
R-MMU-112316	Neuronal System	Gnb2	ENSMUSG00000029713
R-MMU-112316	Neuronal System	Lrrtm4	ENSMUSG00000052581
R-MMU-112316	Neuronal System	Grip2	ENSMUSG00000030098
R-MMU-112316	Neuronal System	Arl6ip5	ENSMUSG00000035199
R-MMU-112316	Neuronal System	Slc6a1	ENSMUSG00000030310
R-MMU-112316	Neuronal System	Kcna5	ENSMUSG00000045534
R-MMU-112316	Neuronal System	Ppfibp1	ENSMUSG00000016487
R-MMU-112316	Neuronal System	Kcnc1	ENSMUSG00000058975

Significant genes from the enriched pathways with Ensembl IDs

Generated on 2025-11-12

Pathway ID	Pathway	Gene symbol	Ensembl ID
R-MMU-112316	Neuronal System	Chrna7	ENSMUSG00000030525
R-MMU-112316	Neuronal System	Ntrk3	ENSMUSG00000059146
R-MMU-112316	Neuronal System	Dlg2	ENSMUSG00000052572
R-MMU-112316	Neuronal System	Ppfibp2	ENSMUSG00000036528
R-MMU-112316	Neuronal System	Prkcb	ENSMUSG00000052889
R-MMU-112316	Neuronal System	Kcnq1	ENSMUSG00000009545
R-MMU-112316	Neuronal System	Ppfia1	ENSMUSG00000037519
R-MMU-112316	Neuronal System	Dlgap2	ENSMUSG00000047495
R-MMU-112316	Neuronal System	Gira3	ENSMUSG00000038257
R-MMU-112316	Neuronal System	Cacna1a	ENSMUSG00000034656
R-MMU-112316	Neuronal System	Kcng4	ENSMUSG00000045246
R-MMU-112316	Neuronal System	Kcnk1	ENSMUSG00000033998
R-MMU-112316	Neuronal System	Kcnj5	ENSMUSG00000032034
R-MMU-112316	Neuronal System	Grik4	ENSMUSG00000032017
R-MMU-112316	Neuronal System	Htr3a	ENSMUSG00000032269
R-MMU-112316	Neuronal System	Chrn4	ENSMUSG00000035200
R-MMU-112316	Neuronal System	Hcn4	ENSMUSG00000032338
R-MMU-112316	Neuronal System	Gria3	ENSMUSG00000001986
R-MMU-112316	Neuronal System	Gabra4	ENSMUSG00000031344
R-MMU-112316	Neuronal System	Il1rapl2	ENSMUSG00000059203
R-MMU-112316	Neuronal System	Rps6ka3	ENSMUSG00000031309
R-MMU-9675108	Nervous system development	Nck2	ENSMUSG00000066877
R-MMU-9675108	Nervous system development	Col5a2	ENSMUSG00000026042
R-MMU-9675108	Nervous system development	Epha4	ENSMUSG00000026235
R-MMU-9675108	Nervous system development	Col4a4	ENSMUSG00000067158
R-MMU-9675108	Nervous system development	Cxcr4	ENSMUSG00000045382
R-MMU-9675108	Nervous system development	Nfasc	ENSMUSG00000026442
R-MMU-9675108	Nervous system development	Dnm3	ENSMUSG00000040265
R-MMU-9675108	Nervous system development	Ncstn	ENSMUSG00000003458
R-MMU-9675108	Nervous system development	Enah	ENSMUSG00000022995

Significant genes from the enriched pathways with Ensembl IDs

Generated on 2025-11-12

Pathway ID	Pathway	Gene symbol	Ensembl ID
R-MMU-9675108	Nervous system development	Plxna2	ENSMUSG00000026640
R-MMU-9675108	Nervous system development	Adgrg6	ENSMUSG00000039116
R-MMU-9675108	Nervous system development	Fyn	ENSMUSG00000019843
R-MMU-9675108	Nervous system development	Ntn4	ENSMUSG00000020019
R-MMU-9675108	Nervous system development	Plxnc1	ENSMUSG00000074785
R-MMU-9675108	Nervous system development	Slit3	ENSMUSG00000056427
R-MMU-9675108	Nervous system development	Evl	ENSMUSG00000021262
R-MMU-9675108	Nervous system development	Tubb2b	ENSMUSG00000045136
R-MMU-9675108	Nervous system development	Sema4d	ENSMUSG00000021451
R-MMU-9675108	Nervous system development	Unc5a	ENSMUSG00000025876
R-MMU-9675108	Nervous system development	Arhgef28	ENSMUSG00000021662
R-MMU-9675108	Nervous system development	Pik3r1	ENSMUSG00000041417
R-MMU-9675108	Nervous system development	Kalrn	ENSMUSG00000061751
R-MMU-9675108	Nervous system development	Robo1	ENSMUSG00000022883
R-MMU-9675108	Nervous system development	Dscam	ENSMUSG00000050272
R-MMU-9675108	Nervous system development	Nrtn	ENSMUSG00000039481
R-MMU-9675108	Nervous system development	Efna5	ENSMUSG00000048915
R-MMU-9675108	Nervous system development	Sos1	ENSMUSG00000024241
R-MMU-9675108	Nervous system development	Gfra1	ENSMUSG00000025089
R-MMU-9675108	Nervous system development	Vav2	ENSMUSG00000009621
R-MMU-9675108	Nervous system development	Col5a1	ENSMUSG00000026837
R-MMU-9675108	Nervous system development	Dnm1	ENSMUSG00000026825
R-MMU-9675108	Nervous system development	Itgav	ENSMUSG00000027087
R-MMU-9675108	Nervous system development	Sema6d	ENSMUSG00000027200
R-MMU-9675108	Nervous system development	Ptpa	ENSMUSG00000027303
R-MMU-9675108	Nervous system development	Plcg1	ENSMUSG00000016933
R-MMU-9675108	Nervous system development	Dok5	ENSMUSG00000027560
R-MMU-9675108	Nervous system development	Vav3	ENSMUSG00000033721
R-MMU-9675108	Nervous system development	Prkacb	ENSMUSG00000005034
R-MMU-9675108	Nervous system development	Epha7	ENSMUSG00000028289

Significant genes from the enriched pathways with Ensembl IDs

Generated on 2025-11-12

Pathway ID	Pathway	Gene symbol	Ensembl ID
R-MMU-9675108	Nervous system development	Dab1	ENSMUSG00000028519
R-MMU-9675108	Nervous system development	Pik3r3	ENSMUSG00000028698
R-MMU-9675108	Nervous system development	Ephb2	ENSMUSG00000028664
R-MMU-9675108	Nervous system development	Epha8	ENSMUSG00000028661
R-MMU-9675108	Nervous system development	Sema3a	ENSMUSG00000028883
R-MMU-9675108	Nervous system development	Sema3e	ENSMUSG00000063531
R-MMU-9675108	Nervous system development	Reln	ENSMUSG00000042453
R-MMU-9675108	Nervous system development	Dpysl5	ENSMUSG00000029168
R-MMU-9675108	Nervous system development	Slit2	ENSMUSG00000031558
R-MMU-9675108	Nervous system development	Plxna4	ENSMUSG00000029765
R-MMU-9675108	Nervous system development	Cxcl12	ENSMUSG00000061353
R-MMU-9675108	Nervous system development	St8sia2	ENSMUSG00000025789
R-MMU-9675108	Nervous system development	Efnb2	ENSMUSG00000001300
R-MMU-9675108	Nervous system development	Col4a1	ENSMUSG00000031502
R-MMU-9675108	Nervous system development	Ank1	ENSMUSG00000031543
R-MMU-9675108	Nervous system development	Gab1	ENSMUSG00000031714
R-MMU-9675108	Nervous system development	Mmp2	ENSMUSG00000031740
R-MMU-9675108	Nervous system development	Tubb3	ENSMUSG00000062380
R-MMU-9675108	Nervous system development	Nrp1	ENSMUSG00000025810
R-MMU-9675108	Nervous system development	Dscaml1	ENSMUSG00000032087
R-MMU-9675108	Nervous system development	Ncam1	ENSMUSG00000039542
R-MMU-9675108	Nervous system development	Ephb1	ENSMUSG00000032537
R-MMU-9675108	Nervous system development	Col6a6	ENSMUSG00000043719
R-MMU-9675108	Nervous system development	Msn	ENSMUSG00000031207
R-MMU-9675108	Nervous system development	Efnb1	ENSMUSG00000031217
R-MMU-9675108	Nervous system development	Pak3	ENSMUSG00000031284
R-MMU-9675108	Nervous system development	Sh3kbp1	ENSMUSG00000040990
R-MMU-422475	Axon guidance	Nck2	ENSMUSG00000066877
R-MMU-422475	Axon guidance	Col5a2	ENSMUSG00000026042
R-MMU-422475	Axon guidance	Epha4	ENSMUSG00000026235

Significant genes from the enriched pathways with Ensembl IDs

Generated on 2025-11-12

Pathway ID	Pathway	Gene symbol	Ensembl ID
R-MMU-422475	Axon guidance	Col4a4	ENSMUSG00000067158
R-MMU-422475	Axon guidance	Cxcr4	ENSMUSG00000045382
R-MMU-422475	Axon guidance	Nfasc	ENSMUSG00000026442
R-MMU-422475	Axon guidance	Dnm3	ENSMUSG00000040265
R-MMU-422475	Axon guidance	Ncstn	ENSMUSG00000003458
R-MMU-422475	Axon guidance	Enah	ENSMUSG00000022995
R-MMU-422475	Axon guidance	Plxna2	ENSMUSG00000026640
R-MMU-422475	Axon guidance	Fyn	ENSMUSG00000019843
R-MMU-422475	Axon guidance	Ntn4	ENSMUSG00000020019
R-MMU-422475	Axon guidance	Plxnc1	ENSMUSG00000074785
R-MMU-422475	Axon guidance	Slit3	ENSMUSG00000056427
R-MMU-422475	Axon guidance	Evl	ENSMUSG00000021262
R-MMU-422475	Axon guidance	Tubb2b	ENSMUSG00000045136
R-MMU-422475	Axon guidance	Sema4d	ENSMUSG00000021451
R-MMU-422475	Axon guidance	Unc5a	ENSMUSG00000025876
R-MMU-422475	Axon guidance	Arhgef28	ENSMUSG00000021662
R-MMU-422475	Axon guidance	Pik3r1	ENSMUSG00000041417
R-MMU-422475	Axon guidance	Kalrn	ENSMUSG00000061751
R-MMU-422475	Axon guidance	Robo1	ENSMUSG00000022883
R-MMU-422475	Axon guidance	Dscam	ENSMUSG00000050272
R-MMU-422475	Axon guidance	Nrtn	ENSMUSG00000039481
R-MMU-422475	Axon guidance	Efna5	ENSMUSG00000048915
R-MMU-422475	Axon guidance	Sos1	ENSMUSG00000024241
R-MMU-422475	Axon guidance	Gfra1	ENSMUSG00000025089
R-MMU-422475	Axon guidance	Vav2	ENSMUSG00000009621
R-MMU-422475	Axon guidance	Col5a1	ENSMUSG00000026837
R-MMU-422475	Axon guidance	Dnm1	ENSMUSG00000026825
R-MMU-422475	Axon guidance	Itgav	ENSMUSG00000027087
R-MMU-422475	Axon guidance	Sema6d	ENSMUSG00000027200
R-MMU-422475	Axon guidance	Ptpa	ENSMUSG00000027303

Significant genes from the enriched pathways with Ensembl IDs

Generated on 2025-11-12

Pathway ID	Pathway	Gene symbol	Ensembl ID
R-MMU-422475	Axon guidance	Plcg1	ENSMUSG00000016933
R-MMU-422475	Axon guidance	Dok5	ENSMUSG00000027560
R-MMU-422475	Axon guidance	Vav3	ENSMUSG00000033721
R-MMU-422475	Axon guidance	Prkacb	ENSMUSG00000005034
R-MMU-422475	Axon guidance	Epha7	ENSMUSG00000028289
R-MMU-422475	Axon guidance	Dab1	ENSMUSG00000028519
R-MMU-422475	Axon guidance	Pik3r3	ENSMUSG00000028698
R-MMU-422475	Axon guidance	Ephb2	ENSMUSG00000028664
R-MMU-422475	Axon guidance	Epha8	ENSMUSG00000028661
R-MMU-422475	Axon guidance	Sema3a	ENSMUSG00000028883
R-MMU-422475	Axon guidance	Sema3e	ENSMUSG00000063531
R-MMU-422475	Axon guidance	Reln	ENSMUSG00000042453
R-MMU-422475	Axon guidance	Dpysl5	ENSMUSG00000029168
R-MMU-422475	Axon guidance	Slit2	ENSMUSG00000031558
R-MMU-422475	Axon guidance	Plxna4	ENSMUSG00000029765
R-MMU-422475	Axon guidance	Cxcl12	ENSMUSG00000061353
R-MMU-422475	Axon guidance	St8sia2	ENSMUSG00000025789
R-MMU-422475	Axon guidance	Efnb2	ENSMUSG00000001300
R-MMU-422475	Axon guidance	Col4a1	ENSMUSG00000031502
R-MMU-422475	Axon guidance	Ank1	ENSMUSG00000031543
R-MMU-422475	Axon guidance	Gab1	ENSMUSG00000031714
R-MMU-422475	Axon guidance	Mmp2	ENSMUSG00000031740
R-MMU-422475	Axon guidance	Tubb3	ENSMUSG00000062380
R-MMU-422475	Axon guidance	Nrp1	ENSMUSG00000025810
R-MMU-422475	Axon guidance	Dscaml1	ENSMUSG00000032087
R-MMU-422475	Axon guidance	Ncam1	ENSMUSG00000039542
R-MMU-422475	Axon guidance	Ephb1	ENSMUSG00000032537
R-MMU-422475	Axon guidance	Col6a6	ENSMUSG00000043719
R-MMU-422475	Axon guidance	Msn	ENSMUSG00000031207
R-MMU-422475	Axon guidance	Efnb1	ENSMUSG00000031217

Significant genes from the enriched pathways with Ensembl IDs

Generated on 2025-11-12

Pathway ID	Pathway	Gene symbol	Ensembl ID
R-MMU-422475	Axon guidance	Pak3	ENSMUSG00000031284
R-MMU-422475	Axon guidance	Sh3kbp1	ENSMUSG00000040990
R-MMU-5173214	O-glycosylation of TSR domain-containing proteins	Sbspon	ENSMUSG00000032719
R-MMU-5173214	O-glycosylation of TSR domain-containing proteins	Thsd7b	ENSMUSG00000042581
R-MMU-5173214	O-glycosylation of TSR domain-containing proteins	Adamts6	ENSMUSG00000046169
R-MMU-5173214	O-glycosylation of TSR domain-containing proteins	Sema5b	ENSMUSG00000052133
R-MMU-5173214	O-glycosylation of TSR domain-containing proteins	Adamts5	ENSMUSG00000022894
R-MMU-5173214	O-glycosylation of TSR domain-containing proteins	Thbs2	ENSMUSG00000023885
R-MMU-5173214	O-glycosylation of TSR domain-containing proteins	Adamtsl2	ENSMUSG00000036040
R-MMU-5173214	O-glycosylation of TSR domain-containing proteins	Adamtsl1	ENSMUSG00000066113
R-MMU-5173214	O-glycosylation of TSR domain-containing proteins	Adamts3	ENSMUSG00000043635
R-MMU-5173214	O-glycosylation of TSR domain-containing proteins	Thsd7a	ENSMUSG00000032625
R-MMU-5173214	O-glycosylation of TSR domain-containing proteins	Adamts17	ENSMUSG00000058145
R-MMU-5173214	O-glycosylation of TSR domain-containing proteins	Adamtsl3	ENSMUSG00000070469
R-MMU-5173214	O-glycosylation of TSR domain-containing proteins	Spon1	ENSMUSG00000038156
R-MMU-5173214	O-glycosylation of TSR domain-containing proteins	Adamts18	ENSMUSG00000053399
R-MMU-5173214	O-glycosylation of TSR domain-containing proteins	Adamts15	ENSMUSG00000033453
R-MMU-5173214	O-glycosylation of TSR domain-containing proteins	Thsd4	ENSMUSG00000032289
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Atp6v1h	ENSMUSG00000033793
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Nck2	ENSMUSG00000066877
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Col5a2	ENSMUSG00000026042
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Nrp2	ENSMUSG00000025969
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	ErbB4	ENSMUSG00000062209
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Col4a4	ENSMUSG00000067158
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Mapkapk2	ENSMUSG00000016528
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Atp6v1g3	ENSMUSG00000026394
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Ncf2	ENSMUSG00000026480
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Ncstn	ENSMUSG00000003458
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Akt3	ENSMUSG00000019699
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Esr1	ENSMUSG00000019768

Significant genes from the enriched pathways with Ensembl IDs

Generated on 2025-11-12

Pathway ID	Pathway	Gene symbol	Ensembl ID
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Sgk1	ENSMUSG00000019970
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Ptprk	ENSMUSG00000019889
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Lama4	ENSMUSG00000019846
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Fyn	ENSMUSG00000019843
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Ptbp1	ENSMUSG00000006498
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Igf1	ENSMUSG00000020053
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Kitl	ENSMUSG00000019966
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Tns3	ENSMUSG00000020422
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Spred2	ENSMUSG00000045671
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Kidins220	ENSMUSG00000036333
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Akt1	ENSMUSG00000001729
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Elmo1	ENSMUSG00000041112
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Ntrk2	ENSMUSG00000055254
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Pik3r1	ENSMUSG00000041417
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Itga2	ENSMUSG00000015533
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Fgf10	ENSMUSG00000021732
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Crkl	ENSMUSG00000006134
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Thbs2	ENSMUSG00000023885
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Atp6v1g2	ENSMUSG00000024403
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Vegfa	ENSMUSG00000023951
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Alk	ENSMUSG00000055471
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Sos1	ENSMUSG00000024241
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Pik3c3	ENSMUSG00000033628
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Diaph1	ENSMUSG00000024456
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Pcsk5	ENSMUSG00000024713
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Jak2	ENSMUSG00000024789
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Fgfbp3	ENSMUSG00000047632
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Stam	ENSMUSG00000026718
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Vav2	ENSMUSG00000009621
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Col5a1	ENSMUSG00000026837

Significant genes from the enriched pathways with Ensembl IDs

Generated on 2025-11-12

Pathway ID	Pathway	Gene symbol	Ensembl ID
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Ralgds	ENSMUSG00000026821
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Mapkap1	ENSMUSG00000038696
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Itgav	ENSMUSG00000027087
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Mdk	ENSMUSG00000027239
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Fgf7	ENSMUSG00000027208
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Plcg1	ENSMUSG00000016933
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Elmo2	ENSMUSG00000017670
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Spry1	ENSMUSG00000037211
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Ngf	ENSMUSG00000027859
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Vav3	ENSMUSG00000033721
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Egf	ENSMUSG00000028017
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Prkacb	ENSMUSG00000005034
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Shb	ENSMUSG00000044813
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Ptpn3	ENSMUSG00000038764
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Pik3r3	ENSMUSG00000028698
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Ptpru	ENSMUSG00000028909
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Wasf2	ENSMUSG00000028868
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Rps6ka1	ENSMUSG00000003644
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Mtor	ENSMUSG00000028991
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Prkcz	ENSMUSG00000029053
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Klb	ENSMUSG00000029195
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Kdr	ENSMUSG00000062960
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Ereg	ENSMUSG00000029377
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Spp1	ENSMUSG00000029304
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Tgfr3	ENSMUSG00000029287
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Wasf3	ENSMUSG00000029636
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Col1a2	ENSMUSG00000029661
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Cav1	ENSMUSG00000007655
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Ptprz1	ENSMUSG00000068748
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Ptn	ENSMUSG00000029838

Significant genes from the enriched pathways with Ensembl IDs

Generated on 2025-11-12

Pathway ID	Pathway	Gene symbol	Ensembl ID
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Atp6v0e2	ENSMUSG00000039347
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Tgfa	ENSMUSG00000029999
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Lrig1	ENSMUSG00000030029
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Flt3l	ENSMUSG00000110206
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Pcsk6	ENSMUSG00000030513
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Igf1r	ENSMUSG00000005533
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Ntrk3	ENSMUSG00000059146
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Prkcb	ENSMUSG00000052889
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Fgfr2	ENSMUSG00000030849
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Col4a1	ENSMUSG00000031502
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Nrg1	ENSMUSG00000062991
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Fgf20	ENSMUSG00000031603
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Gab1	ENSMUSG00000031714
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Cdh5	ENSMUSG00000031871
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Wwox	ENSMUSG00000004637
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Nrp1	ENSMUSG00000025810
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Col6a6	ENSMUSG00000043719
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Irs4	ENSMUSG00000054667
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Pak3	ENSMUSG00000031284
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Rps6ka3	ENSMUSG00000031309
R-MMU-9006934	Signaling by Receptor Tyrosine Kinases	Sh3kbp1	ENSMUSG00000040990
R-MMU-5173105	O-linked glycosylation	Sbspon	ENSMUSG00000032719
R-MMU-5173105	O-linked glycosylation	Chst10	ENSMUSG00000026080
R-MMU-5173105	O-linked glycosylation	Thsd7b	ENSMUSG00000042581
R-MMU-5173105	O-linked glycosylation	B3gnt2	ENSMUSG00000051650
R-MMU-5173105	O-linked glycosylation	Crppa	ENSMUSG00000043153
R-MMU-5173105	O-linked glycosylation	B3galnt2	ENSMUSG00000039242
R-MMU-5173105	O-linked glycosylation	Adamts6	ENSMUSG00000046169
R-MMU-5173105	O-linked glycosylation	St6gal1	ENSMUSG00000022885
R-MMU-5173105	O-linked glycosylation	Muc4	ENSMUSG00000118672

Significant genes from the enriched pathways with Ensembl IDs

Generated on 2025-11-12

Pathway ID	Pathway	Gene symbol	Ensembl ID
R-MMU-5173105	O-linked glycosylation	Sema5b	ENSMUSG00000052133
R-MMU-5173105	O-linked glycosylation	Adamts5	ENSMUSG00000022894
R-MMU-5173105	O-linked glycosylation	Thbs2	ENSMUSG00000023885
R-MMU-5173105	O-linked glycosylation	Adamts12	ENSMUSG00000036040
R-MMU-5173105	O-linked glycosylation	St6galnac3	ENSMUSG00000052544
R-MMU-5173105	O-linked glycosylation	Fktn	ENSMUSG00000028414
R-MMU-5173105	O-linked glycosylation	Adamts11	ENSMUSG00000066113
R-MMU-5173105	O-linked glycosylation	Adamts3	ENSMUSG00000043635
R-MMU-5173105	O-linked glycosylation	Galnt17	ENSMUSG00000034040
R-MMU-5173105	O-linked glycosylation	C1galt1	ENSMUSG00000042460
R-MMU-5173105	O-linked glycosylation	Thsd7a	ENSMUSG00000032625
R-MMU-5173105	O-linked glycosylation	Mmrn1	ENSMUSG00000054641
R-MMU-5173105	O-linked glycosylation	Adamts17	ENSMUSG00000058145
R-MMU-5173105	O-linked glycosylation	Adamts13	ENSMUSG00000070469
R-MMU-5173105	O-linked glycosylation	Galnt18	ENSMUSG00000038296
R-MMU-5173105	O-linked glycosylation	Spon1	ENSMUSG00000038156
R-MMU-5173105	O-linked glycosylation	Galnt7	ENSMUSG00000031608
R-MMU-5173105	O-linked glycosylation	Galnt16	ENSMUSG00000096914
R-MMU-5173105	O-linked glycosylation	Chst4	ENSMUSG00000035930
R-MMU-5173105	O-linked glycosylation	Adamts18	ENSMUSG00000053399
R-MMU-5173105	O-linked glycosylation	Galnt2	ENSMUSG00000089704
R-MMU-5173105	O-linked glycosylation	Adamts15	ENSMUSG00000033453
R-MMU-5173105	O-linked glycosylation	Thsd4	ENSMUSG00000032289
R-MMU-5173105	O-linked glycosylation	Pomgnt2	ENSMUSG00000066235
R-MMU-6794362	Protein-protein interactions at synapses	Lrrtm3	ENSMUSG00000042846
R-MMU-6794362	Protein-protein interactions at synapses	Ppfia2	ENSMUSG00000053825
R-MMU-6794362	Protein-protein interactions at synapses	Gria1	ENSMUSG00000020524
R-MMU-6794362	Protein-protein interactions at synapses	Nrxn3	ENSMUSG00000066392
R-MMU-6794362	Protein-protein interactions at synapses	Slitrk1	ENSMUSG00000075478
R-MMU-6794362	Protein-protein interactions at synapses	Slitrk5	ENSMUSG00000033214

Significant genes from the enriched pathways with Ensembl IDs

Generated on 2025-11-12

Pathway ID	Pathway	Gene symbol	Ensembl ID
R-MMU-6794362	Protein-protein interactions at synapses	Lrfn2	ENSMUSG00000040490
R-MMU-6794362	Protein-protein interactions at synapses	Epb41l3	ENSMUSG00000024044
R-MMU-6794362	Protein-protein interactions at synapses	Dlgap1	ENSMUSG00000003279
R-MMU-6794362	Protein-protein interactions at synapses	Nrxn1	ENSMUSG00000024109
R-MMU-6794362	Protein-protein interactions at synapses	Rtn3	ENSMUSG00000024758
R-MMU-6794362	Protein-protein interactions at synapses	Ptprd	ENSMUSG00000028399
R-MMU-6794362	Protein-protein interactions at synapses	Epb41	ENSMUSG00000028906
R-MMU-6794362	Protein-protein interactions at synapses	Lrrtm4	ENSMUSG00000052581
R-MMU-6794362	Protein-protein interactions at synapses	Ppfibp1	ENSMUSG00000016487
R-MMU-6794362	Protein-protein interactions at synapses	Ntrk3	ENSMUSG00000059146
R-MMU-6794362	Protein-protein interactions at synapses	Dlg2	ENSMUSG00000052572
R-MMU-6794362	Protein-protein interactions at synapses	Ppfibp2	ENSMUSG00000036528
R-MMU-6794362	Protein-protein interactions at synapses	Ppfia1	ENSMUSG00000037519
R-MMU-6794362	Protein-protein interactions at synapses	Dlgap2	ENSMUSG00000047495
R-MMU-6794362	Protein-protein interactions at synapses	Gria3	ENSMUSG00000001986
R-MMU-6794362	Protein-protein interactions at synapses	Il1rapl2	ENSMUSG00000059203
R-MMU-112315	Transmission across Chemical Synapses	Rims1	ENSMUSG00000041670
R-MMU-112315	Transmission across Chemical Synapses	Grik2	ENSMUSG00000056073
R-MMU-112315	Transmission across Chemical Synapses	Ppfia2	ENSMUSG00000053825
R-MMU-112315	Transmission across Chemical Synapses	Syt1	ENSMUSG00000035864
R-MMU-112315	Transmission across Chemical Synapses	Grip1	ENSMUSG00000034813
R-MMU-112315	Transmission across Chemical Synapses	Adcy1	ENSMUSG00000020431
R-MMU-112315	Transmission across Chemical Synapses	Glra1	ENSMUSG00000000263
R-MMU-112315	Transmission across Chemical Synapses	Gria1	ENSMUSG00000020524
R-MMU-112315	Transmission across Chemical Synapses	Cacng4	ENSMUSG00000020723
R-MMU-112315	Transmission across Chemical Synapses	Kcnj2	ENSMUSG00000041695
R-MMU-112315	Transmission across Chemical Synapses	Adcy9	ENSMUSG00000005580
R-MMU-112315	Transmission across Chemical Synapses	Abat	ENSMUSG00000057880
R-MMU-112315	Transmission across Chemical Synapses	Adcy5	ENSMUSG00000022840
R-MMU-112315	Transmission across Chemical Synapses	Camk2a	ENSMUSG00000024617

Significant genes from the enriched pathways with Ensembl IDs

Generated on 2025-11-12

Pathway ID	Pathway	Gene symbol	Ensembl ID
R-MMU-112315	Transmission across Chemical Synapses	Apba1	ENSMUSG00000024897
R-MMU-112315	Transmission across Chemical Synapses	Slc1a1	ENSMUSG00000024935
R-MMU-112315	Transmission across Chemical Synapses	Slc18a2	ENSMUSG00000025094
R-MMU-112315	Transmission across Chemical Synapses	Cacnb2	ENSMUSG00000057914
R-MMU-112315	Transmission across Chemical Synapses	Gad2	ENSMUSG00000026787
R-MMU-112315	Transmission across Chemical Synapses	Stxbp1	ENSMUSG00000026797
R-MMU-112315	Transmission across Chemical Synapses	Kcnj3	ENSMUSG00000026824
R-MMU-112315	Transmission across Chemical Synapses	Slc1a2	ENSMUSG00000005089
R-MMU-112315	Transmission across Chemical Synapses	Plcb1	ENSMUSG00000051177
R-MMU-112315	Transmission across Chemical Synapses	Snap25	ENSMUSG00000027273
R-MMU-112315	Transmission across Chemical Synapses	Chrna4	ENSMUSG00000027577
R-MMU-112315	Transmission across Chemical Synapses	Camk2d	ENSMUSG00000053819
R-MMU-112315	Transmission across Chemical Synapses	Prkacb	ENSMUSG00000005034
R-MMU-112315	Transmission across Chemical Synapses	Slc1a7	ENSMUSG00000008932
R-MMU-112315	Transmission across Chemical Synapses	Grik3	ENSMUSG00000001985
R-MMU-112315	Transmission across Chemical Synapses	Rps6ka1	ENSMUSG00000003644
R-MMU-112315	Transmission across Chemical Synapses	Gnai1	ENSMUSG00000057614
R-MMU-112315	Transmission across Chemical Synapses	Chrna9	ENSMUSG00000029205
R-MMU-112315	Transmission across Chemical Synapses	Gnb2	ENSMUSG00000029713
R-MMU-112315	Transmission across Chemical Synapses	Grip2	ENSMUSG00000030098
R-MMU-112315	Transmission across Chemical Synapses	Arl6ip5	ENSMUSG00000035199
R-MMU-112315	Transmission across Chemical Synapses	Slc6a1	ENSMUSG00000030310
R-MMU-112315	Transmission across Chemical Synapses	Chrna7	ENSMUSG00000030525
R-MMU-112315	Transmission across Chemical Synapses	Dlg2	ENSMUSG00000052572
R-MMU-112315	Transmission across Chemical Synapses	Prkcb	ENSMUSG00000052889
R-MMU-112315	Transmission across Chemical Synapses	Ppfia1	ENSMUSG00000037519
R-MMU-112315	Transmission across Chemical Synapses	Gira3	ENSMUSG00000038257
R-MMU-112315	Transmission across Chemical Synapses	Cacna1a	ENSMUSG00000034656
R-MMU-112315	Transmission across Chemical Synapses	Kcnj5	ENSMUSG00000032034
R-MMU-112315	Transmission across Chemical Synapses	Grik4	ENSMUSG00000032017

Significant genes from the enriched pathways with Ensembl IDs

Generated on 2025-11-12

Pathway ID	Pathway	Gene symbol	Ensembl ID
R-MMU-112315	Transmission across Chemical Synapses	Htr3a	ENSMUSG00000032269
R-MMU-112315	Transmission across Chemical Synapses	Chrn4	ENSMUSG00000035200
R-MMU-112315	Transmission across Chemical Synapses	Gria3	ENSMUSG00000001986
R-MMU-112315	Transmission across Chemical Synapses	Gabrq	ENSMUSG00000031344
R-MMU-112315	Transmission across Chemical Synapses	Rps6ka3	ENSMUSG00000031309
R-MMU-194138	Signaling by VEGF	Nck2	ENSMUSG00000066877
R-MMU-194138	Signaling by VEGF	Nrp2	ENSMUSG00000025969
R-MMU-194138	Signaling by VEGF	Mapkapk2	ENSMUSG00000016528
R-MMU-194138	Signaling by VEGF	Ncf2	ENSMUSG00000026480
R-MMU-194138	Signaling by VEGF	Akt3	ENSMUSG00000019699
R-MMU-194138	Signaling by VEGF	Fyn	ENSMUSG00000019843
R-MMU-194138	Signaling by VEGF	Akt1	ENSMUSG00000001729
R-MMU-194138	Signaling by VEGF	Elmo1	ENSMUSG00000041112
R-MMU-194138	Signaling by VEGF	Pik3r1	ENSMUSG00000041417
R-MMU-194138	Signaling by VEGF	Vegfa	ENSMUSG00000023951
R-MMU-194138	Signaling by VEGF	Vav2	ENSMUSG00000009621
R-MMU-194138	Signaling by VEGF	Mapkap1	ENSMUSG00000038696
R-MMU-194138	Signaling by VEGF	Itgav	ENSMUSG00000027087
R-MMU-194138	Signaling by VEGF	Plcg1	ENSMUSG00000016933
R-MMU-194138	Signaling by VEGF	Elmo2	ENSMUSG00000017670
R-MMU-194138	Signaling by VEGF	Vav3	ENSMUSG00000033721
R-MMU-194138	Signaling by VEGF	Prkacb	ENSMUSG00000005034
R-MMU-194138	Signaling by VEGF	Shb	ENSMUSG00000044813
R-MMU-194138	Signaling by VEGF	Wasf2	ENSMUSG00000028868
R-MMU-194138	Signaling by VEGF	Mtor	ENSMUSG00000028991
R-MMU-194138	Signaling by VEGF	Prkcz	ENSMUSG00000029053
R-MMU-194138	Signaling by VEGF	Kdr	ENSMUSG00000062960
R-MMU-194138	Signaling by VEGF	Wasf3	ENSMUSG00000029636
R-MMU-194138	Signaling by VEGF	Cav1	ENSMUSG00000007655
R-MMU-194138	Signaling by VEGF	Prkcb	ENSMUSG00000052889

Significant genes from the enriched pathways with Ensembl IDs

Generated on 2025-11-12

Pathway ID	Pathway	Gene symbol	Ensembl ID
R-MMU-194138	Signaling by VEGF	Cdh5	ENSMUSG00000031871
R-MMU-194138	Signaling by VEGF	Nrp1	ENSMUSG00000025810
R-MMU-194138	Signaling by VEGF	Pak3	ENSMUSG00000031284