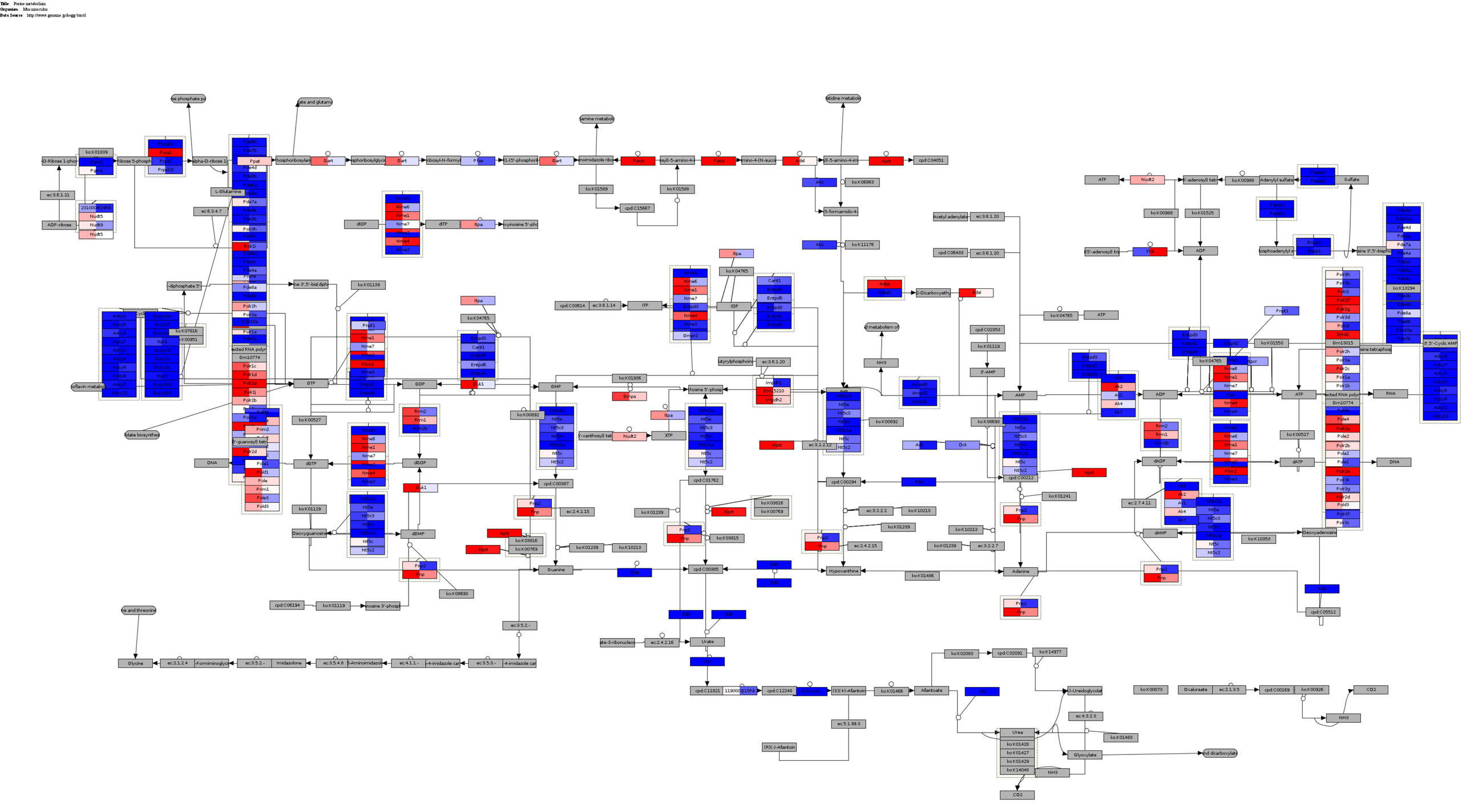
Title: Purine metabolism
Organism: Mus musculus
Data Source: http://www.genome.jp/kegg-bin/d
ko:K01839
Prps1l3
Prps1
Prps2
Prps1l2
Pgm2
Pgm1
ec:3.6.1.21
ADP-ribose
231000[2]24Rik
Nudt5
Nudt9
Nudt5
L-Glutamine
ec:6.3.4.7
Ppat
Gart
Gart
Gart
Gart
Pfas
Paics
Paics
Adsl
Adsl
Aprt
cpd:C04051
ko:K01589
ko:K01588
cpd:C15667
ko:K06863
Atic
Atic
ko:K11176
5-formamido-4-
dGDP
dGTP
Itpa
Nme5
Nme6
Nme1
Nme7
Nme2
Nme4
Nme3
Pnpt1
Nme1
Nme7
Nme2
Plrm2
Nme3
Entpd1
Entpd8
Itpa
ko:K04765
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Cant1
Entpd5
Entpd6
Entpd4
Clk1
cpd:C03614
ec:3.6.1.14
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IDP
Itpa
ko:K04765
Cant1
Entpd5
Entpd6
Entpd3
Entpd1
Entpd8
Nme5
Nme6
Nme1
Nme7
Entpd3
Nme4
Nme3
Gmpr2
Adss
Adsl1
-Dicarboxyethy
Adsl
ko:K01939
-diphosphate 5'
ne 3',5'-bis(diph
ko:K01939
Acetyl adenylate
ec:3.6.1.20
cpd:C06433
ec:3.6.1.20
ko:K04765
ATP
cpd:C02359
ko:K01119
3'-AMP
d metabolism of
NH3
utyrylphosphoin
ec:3.6.1.20
Impdh1
Gm15210
Impdh2
Antpd3
Antpd2
Antpd1
AMP
ko:K08693
Ak5
Ak2
Ak1
Ak4
Ak7
ADP
ATP
Pnpt1
Entpd3
Entpd1
Entpd8
Entpd2
ko:K01553
Nme5
Nme6
Nme1
Nme7
Plrg
Nme4
Nme3
ko:K00527
Adenylyl sulfate
Sulfate
Paess2
Paess1
Paess2
Paess1
Enpp3
Enpp1
ko:K00988
ko:K01525
ko:K00988
Flot
ADP
(5'-adenosyl) tri
Phosphoadenylyl s
ne 3',5'-bisphos
Pde3a
Pde11a
Pde4d
Pde2a
Pde7a
Pde4a
Pde1c
Pde1a
Pde4c
ko:K13294
Pde3b
Pde4b
Pde8a
Pde8b
Pde10a
Pde7b
3',5'-Cyclic AMP
Adcy9
Adcy7
Adcy8
Adcy1
Adcy5
Adcy6
Adcy2
Adcy10
Polr3h
Polr3b
Polr2i
Polr2f
Polr2g
Polr3d
Polr2l
Znrd1
Gm13015
Polr2h
Polr3a
Polr2c
Polr1a
Polr1b
ected RNA polyr
Gm10774
Pold4
Pole4
Polr2a
Pole2
Polr2b
Pola2
Pola1
Polr2e
Polr3k
Polr3g
Polr2d
Pold3
Polr3f
Polr3c
RNA
DNA
Guanylate cyclase
Adcy1
Adcy5
Adcy9
Adcy7
Adcy8
Adcy4
Adcy6
Adcy3
Adcy2
Adcy10
Gucy1a3
Gucy2f
Gucy1b3
Npr1
Gucy2d
Gucy2c
Gucy2e
Npr2
Gucy1b2
Gucy1b3
ko:K07816
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oflavin metabol
GTP
GDP
GMP
ko:K01936
Gmps
ko:K00892
Nt5c1b
Nt5e
Nt5c3
Nt5m
Nt5c1a
Nt5c
Nt5c2
ko:K00892
Nt5c1b
Nt5e
Nt5c3
Nt5m
Nt5c1a
Nt5c
Nt5c2
ko:K08693
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Nt5e
Nt5c3
Nt5m
Nt5c1a
Nt5c
Nt5c2
cpd:C00212
Aprt
ko:K01241
ec:2.7.4.11
Ak5
Ak2
Ak1
Ak4
Ak7
dADP
dATP
Rrm2
Rrm1
Rrm2b
Nme5
Nme6
Nme1
Nme7
Nme2
Plrm2
Nme3
ko:K00527
folate biosynthes
DNA
dGTP
dGDP
dGMP
Rrm2
Rrm1
Rrm2b
Nme5
Nme6
Nme1
Nme7
Nme2
Nme4
Nme3
Clk1
ko:K01129
Deoxyguanosine
ko:K01129
Nt5c1b
Nt5e
Nt5c3
Nt5m
Nt5c1a
Nt5c
Nt5c2
Pnp2
Pnp
ko:K08693
cpd:C06194
ko:K01119
hosine 3'-phospl
ne and threonine
Glycine
ec:2.1.2.4
-Formiminoglyci
ec:3.5.2.-
Imidazolone
ec:3.5.4.8
5-Aminoimidazol
ec:4.1.1.-
-4-imidazole car
ec:5.3.3.-
-4-imidazole car
ec:3.5.2.-
Guanine
cpd:C00387
Pnp2
Pnp
ec:2.4.2.15
ko:K01239
ko:K10213
Aprt
Hprt
ko:K03816
ko:K00769
ko:K03816
ko:K00769
ko:K01239
ko:K10213
Ada
cpd:C00385
Xdh
Xdh
Xdh
Xdh
ate-3-ribonucleo
ec:2.4.2.16
Urate
Uox
cpd:C11821
11900039156Rik
cpd:C12248
Phbxnb
(S)(+)-Allantoin
ko:K01466
Allantoate
Atic
ko:K02083
cpd:C02091
ko:K14977
(S)-Ureidoglycolat
ec:5.1.99.3
(R)-(-)-Allantoin
Urea
ko:K01428
ko:K01427
ko:K01429
ko:K14048
NH3
CO2
ec:4.3.2.3
ko:K01483
Glyoxylate
nd dicarboxylate
ko:K00073
Oxalureate
ec:2.1.3.5
cpd:C00169
ko:K00926
CO2
NH3
Hprt
ec:3.2.2.12
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Nt5e
Nt5c3
Nt5m
Nt5c1a
Nt5c
Nt5c2
cpd:C00294
Ada
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ko:K01239
Pnp2
Pnp
ec:2.4.2.15
ko:K01239
ec:3.2.2.7
Hypoxanthine
ko:K01486
Adenine
Pnp2
Pnp
Aprt
Adk
Dck
Pnp2
Pnp
ko:K10353
Deoxyadenosine
Adk
cpd:C05512
Pnp2
Pnp
cpd:C01762
Hprt
ko:K03816
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ko:K01239
Pnp2
Pnp
ko:K03815
Hprt
Aprt
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ko:K01239
ko:K10213