| Gene names | Protein names | Largest Cluster Res Best (kcal/mol) | Num in Largest Cluster |
|---|---|---|------------------------------|
| 1 Got1 | Aspartate aminotransferase, cytoplasmic (cAspAT) (EC 2.6.1.1) (EC 2.6.1.3) (Cysteine aminotransferase, cytoplasmic) (Cysteine transaminase, cytoplasmic) (cCAT) (Glutamate oxaloacetate transaminase 1) (Transaminase A) | -8.990000 | 22 |
| | Kynurenine/alpha-aminoadipate aminotransferase, mitochondrial (KAT/AadAT) (2-aminoadipate aminotransferase) (2-aminoadipate transaminase) (EC 2.6.1.39) (Alpha-aminoadipate aminotransferase) (AadAT) (Kynurenine aminotransferase II) (Kynurenineoxoglutarate transaminase 2) (EC 2.6.1.7) (Kynurenineoxoglutarate transaminase) | -8.880000 | 43 |
| 3 Kyat3 Ccbl2 Kat3 | Kymyranina-ovoglutarata transaminasa 3 (EC 2.6.1.7) (Cystaina-S-conjugata hota-lyasa 2) (EC 4.4.1.13) (Kymyranina aminotransfarasa 3) (Kymyranina aminotransfarasa III) (KATIII) | -8.840000 | 60 |
| 4 Phykpl Agxt2l2 | 5-phosphohydroxy-L-lysine phospho-lyase (EC 4.2.3.134) (Alanineglyoxylate aminotransferase 2-like 2) | -8.820000 | 15 |
| 5 Shmt1 Shmt | Serine hydroxymethyltransferase, cytosolic (SHMT) (EC 2.1.2.1) (Glycine hydroxymethyltransferase) (Serine methylase) | -8.100000 | 58 |
| 6 Accsl Gm1967 | Probable inactive 1-aminocyclopropane-1-carboxylate synthase-like protein 2 (ACC synthase-like protein 2) | -7.900000 | 29 |
| 7 Agxt Agxt1 | Serinepyruvate aminotransferase, mitochondrial (SPT) (EC 2.6.1.51) (Alanineglyoxylate aminotransferase) (AGT) (EC 2.6.1.44) | -7.600000 | 27 |
| 8 Psat1 Psa Psat | | -7.540000 | 26 |
| Kat | 2.6.1.64) (Kynurenine aminotransierase 1) (Kynurenine aminotransierase 1) (KA11) (Kynurenine-oxogiutarate transaminase 1) | -7.520000 | 63 |
| | suppressor triva-associated protein) | | 39 |
| 11 Cbs 12 Tat | | -7.460000 -7.450000 | 23 60 |
| 13 Etnppl Agxt2l1 | | -7.390000 | 43 |
| Agxt211 14 Odc1 Odc | | -7.280000 | 15 |
| 15 Gadl1 | Acidic amino acid decarbovylase GADL1 (Aspartate 1-decarbovylase) (ADC) (EC 4.1.1.11) (Cycteine sulfinic acid decarbovylase) (CSADC) (EC 4.1.1.20) (Clutamate decarbovylase) like | -7.230000 | 26 |
| 16 Sgpl1 Spl | | -7.220000 -7.200000 | 46 36 |
| 17 Pygl 18 Ddc | | -7.180000 -7.180000 | 23 |
| | | -7.060000 | 38 |
| 20 Hdc 21 Pygm | | -7.010000 -7.000000 | 37 37 |
| 21 Fygiii 22 Agxt2 | Alapina alvoyulate aminetraneforace 2 mitachandrial (ACT 2) (EC 2.6.1.44) (ID 2 amine 2 methylpropionate pyrmyota transcominace) (EC 2.6.1.40) (Pota ALAAT II) (Pota alapina pyrmyota | -6.940000 | 23 |
| 23 Scly Scl | | -6.900000 | 49 |
| 24 Accs | 1-aminocyclopropane-1-carboxylate synthase-like protein 1 (ACC synthase-like protein 1) | -6.810000 | 12 |
| 25 Gad1 Gad67 | Glutamate decarboxylase 1 (EC 4.1.1.15) (67 kDa glutamic acid decarboxylase) (GAD-67) (Glutamate decarboxylase 67 kDa isoform) | -6.800000 | 55 |
| 26 Cth 27 Pygb | | -6.770000 -6.760000 | 33 42 |
| 28 Bcat1 Eca39 | Branched-chain-amino-acid aminotransferase, cytosolic (BCAT(c)) (EC 2.6.1.42) (Protein ECA39) | -6.760000 | 36 |
| | | -6.690000 | 12 |
| 30 Got2 Got-2 | Aspartate aminotransferase, mitochondrial (mAspAT) (EC 2.6.1.1) (EC 2.6.1.7) (Fatty acid-binding protein) (FABP-1) (Glutamate oxaloacetate transaminase 2) (Kynurenine aminotransferase 4) (Kynurenine aminotransferase IV) (Kynurenine-oxoglutarate transaminase IV) (Plasma membrane-associated fatty acid-binding protein) (FABPpm) (Transaminase A) | -6.670000 | 48 |
| 31 Alas1 | | -6.660000 | 54 |
| 32 Gpt2 Aat2 33 Alas2 | | -6.650000 -6.620000 | 17 38 |
| 34 Gad2 Gad65 | | -6.580000 | 14 |
| | | -6.570000 | |
| 35 Sdsl Sds 36 Csad Bcat2 | | -6.560000 | 28 21 |
| 37 Bcatm Eca40 | Branched-chain-amino-acid aminotransferase, mitochondrial (BCAT(m)) (EC 2.6.1.42) | -6.510000 | 33 |
| 38 Gpt Gpt1 | Alanine aminotransferase 1 (ALT1) (EC 2.6.1.2) (Glutamate pyruvate transaminase 1) (GPT 1) (Glutamicalanine transaminase 1) (Glutamicpyruvic transaminase 1) | -6.480000 | 49 |
| 39 Sptlc3 Sptlc2l | A aminohuturate aminotransferase, mitochondrial (EC 2.6.1.10) ((S) 3 amino 2 methylpropionate transaminase) (EC 2.6.1.22) (CABA aminotransferase) (CABA AT) (Camma amino N | -6.460000 | 69 |
| 40 Abat Gabat | butyrate transaminase) (GABA transaminase) (GABA-T) (L-AIBAT) | -6.390000 | 51 |
| 41 Tha1 Gly1 42 Got1l1 | · · · · · · · · · · · · · · · · · · · | -6.300000 -6.210000 | 35 22 |
| 43 Gcat Kbl | | -6.160000 | 61 |
| 44 Srr | | -5.930000 | 17 |
| GIII033 | Gene model 853, (NCBI) (Leucine decarboxylase 1) | -5.910000 | 38 |
| 46 Azin1 Oazi Oazin | Antizyme inhibitor 1 (AZI) (Ornithine decarboxylase antizyme inhibitor) | -5.770000 | 23 |
| 47 Shmt2 | | -5.740000 | 33 |
| | · · · · · | -5.710000 | 42 |
| 49 Mocos 50 Gldc | | -5.500000 -5.240000 | 16 16 |
| 51 Oat | | -5.230000 | 22 |
| 52 Thnsl2 | Threonine synthase-like 2 (TSH2) (mTSH2) (EC 4.2.3) | -4.990000 | 13 |
| 53 Nfs1 Nifs | | -4.530000 | 19 |
| 54 Kynu 55 Sptlc2 Lcb2 | Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) Serine palmitoyltransferase 2 (EC 2.3.1.50) (Long chain base biosynthesis protein 2) (LCB 2) (LCB 2) (LCB 2) (Serine-palmitoyl-CoA transferase 2) (SPT 2) | -4.180000 -3.050000 | 35 38 |

55 Sptlc2 Lcb2 Serine palmitoyltransferase 2 (EC 2.3.1.50) (Long chain base biosynthesis protein 2) (LCB 2) (Long chain base biosynthesis protein 2a) (LCB2a) (Serine-palmitoyl-CoA transferase 2) (SPT 2) -3.050000

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