	Gene names	Protein names	Largest Cluster Res (kcal/mol)	Num in Largest Cluster
1	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) (Kynurenineoxoglutarate transaminase IV) (Plasma membrane-associated fatty acid-binding protein) (FABPpm) (Transaminase A)	-10.250000	77
2	Kyat3 Ccbl2	Kynurenineoxoglutarate transaminase 3 (EC 2.6.1.7) (Cysteine-S-conjugate beta-lyase 2) (EC 4.4.1.13) (Kynurenine aminotransferase 3) (Kynurenine aminotransferase III) (KATIII) (Kynurenineglyoxylate transaminase) (EC 2.6.1.63) (Kynurenineoxoglutarate transaminase III)	-8.380000	56
		O-phoephoegy/LtRNA(Soc) calanium transferaça (FC 2 0 1 2) (Salanocyctoina cynthaea) (Soc cynthaea) (Salanocyctoiny/LtRNA(Soc) cynthaea) (Son-tRNA-Soc-tRNA cynthaea) (SanSocS) (UCA	-8.280000	57
	Phykol		-8.120000	42
5	Shmt1 Shmt	Serine hydroxymethyltransferase, cytosolic (SHMT) (EC 2.1.2.1) (Glycine hydroxymethyltransferase) (Serine methylase)	-7.900000	63
		Serinepyruvate aminotransferase, mitochondrial (SPT) (EC 2.6.1.51) (Alanineglyoxylate aminotransferase) (AGT) (EC 2.6.1.44)	-7.810000	33
	Etnnnl		-7.790000	29
	Aadat Kat2	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		45
9		transaminase II) Acidic amino acid decarboxylase GADL1 (Aspartate 1-decarboxylase) (ADC) (EC 4.1.1.11) (Cysteine sulfinic acid decarboxylase) (CSADC) (EC 4.1.1.29) (Glutamate decarboxylase-like protein 1)	-7.520000	31
10	Accsl Gm1967		-7.250000	26
11		4-aminobutyrate aminotransferase, mitochondrial (EC 2.6.1.19) ((S)-3-amino-2-methylpropionate transaminase) (EC 2.6.1.22) (GABA aminotransferase) (GABA-AT) (Gamma-amino-N-butyrate transaminase) (GABA transaminase) (GABA-T) (L-AIBAT)	-7.240000	59
12	Gad2 Gad65	Glutamate decarboxylase 2 (EC 4.1.1.15) (65 kDa glutamic acid decarboxylase) (GAD-65) (Glutamate decarboxylase 65 kDa isoform)	-7.220000	23
13	Accs	1-aminocyclopropane-1-carboxylate synthase-like protein 1 (ACC synthase-like protein 1)	-7.190000	21
14	Kyat1 Ccbl1	Kymuranina-ovoglutarata transaminasa 1 (EC 2.6.1.7) (Cystaina-S-conjugata bota-lyasa) (EC 4.4.1.13) (Clutamina transaminasa K) (CTK) (Clutamina-nhanylnymyyata transaminasa) (EC	-7.130000	72
				25
			-7.130000 -7.130000	55
			-7.120000	53
	-		-7.020000	58
			-7.010000	25
20	Sgpl1 Spl		-6.830000	48
21	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)	-6.790000	40
22			-6.680000	78
23			-6.670000	92
			-6.650000	54
			-6.530000	30
			-6.440000 -6.440000	97 84
			-6.380000	40
			-6.240000	41
30	Sds	L-serine dehydratase/L-threonine deaminase (SDH) (EC 4.3.1.17) (L-serine deaminase) (L-threonine dehydratase) (TDH) (EC 4.3.1.19)	-6.110000	69
		Glycogen phosphorylase, brain form (EC 2.4.1.1)	-6.010000	38
	rsat	Phosphoserine aminotransferase (PSAT) (EC 2.6.1.52) (Endometrial progesterone-induced protein) (EPIP) (Phosphohydroxythreonine aminotransferase)	-5.960000	20
	Gauo/	Glutamate decarboxylase 1 (EC 4.1.1.15) (67 kDa glutamic acid decarboxylase) (GAD-67) (Glutamate decarboxylase 67 kDa isoform)	-5.950000	79
			-5.830000 -5.780000	26 23
			-5.780000	95
37	Srr	Serine racemase (EC 5.1.1.18) (D-serine ammonia-lyase) (D-serine dehydratase) (EC 4.3.1.18) (L-serine ammonia-lyase) (L-serine dehydratase) (EC 4.3.1.17)	-5.760000	16
			-5.670000	39
			-5.630000	22
40		Alapina, glyovylata aminotranefarasa 2. mitochondrial (ACT 2) (EC 2.6.1.44) ((R)-3, amino-2, methylpropionato, pyruyata transaminasa) (EC 2.6.1.40) (Rota-AI AAT II) (Rota-alapina-pyruyata	-5.620000	13
		aminotransferase) (D-AIBAT)	-5.610000	30
42	Bcatm Eca40		-5.580000	36
			-5.500000	24
			-5.250000 -5.200000	39 62
			-4.960000	49
	Sptlc3		-4.950000	76
			-4.950000	67
49	Azin1 Oazi Oazin	Antizyme inhibitor 1 (AZI) (Ornithine decarboxylase antizyme inhibitor)	-4.810000	38
			-4.780000	18
	Bcat1		-4.640000	34
	I dc1	Gene model 853, (NCBI) (Leucine decarboxylase 1)	-4.220000	39
	-		-3.210000	44
			-2.740000 -1.050000	62 30
•	I Y II U	ANTHALOMINADO (IIO D./.1.0) (II ANTHALOMINO MYALOMINO)	1.000000	50

Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase)

55 Kynu

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