Part	Gene names	Protein names	bestbest (kcal/mol)	Num in Largest
	1 COT1	Aspartate aminotransferase, cytoplasmic (cAspAT) (EC 2.6.1.1) (EC 2.6.1.3) (Cysteine aminotransferase, cytoplasmic) (Cysteine transaminase, cytoplasmic) (cCAT) (Glutamate oxaloacetate		Cluster
	BCAT2 BCATM			
A MADE A	BCT2 ECA40		-8.140000	41.000000
A DECEMBER Processing (A MACE I) Commentation construction construction construction (Construction) (Constr	3 GOT2	(Kynurenine aminotransferase IV) (Kynurenineoxoglutarate transaminase 4) (Kynurenineoxoglutarate transaminase IV) (Plasma membrane-associated fatty acid-binding protein) (FABPpm) (Transaminase A)	-8.120000	31.000000
Softee S		aminotransferase) (AadAT) (Kynurenine aminotransferase II) (Kynurenineoxoglutarate aminotransferase II) (Kynurenineoxoglutarate transaminase 2) (EC 2.6.1.7) (Kynurenineoxoglutarate	-7.740000	67.000000
	5 BCAT1 BCT1 ECA39	Branched-chain-amino-acid aminotransferase, cytosolic (BCAT(c)) (EC 2.6.1.42) (Protein ECA39)	-7.620000	75.000000
PACKATO PACK		Onhosphospyl_tRNA(Sec) solanium transferase (EC 2.9.1.2) (Liver pancreas antigen) (LP) (SLA-p35) (SLA/LP autoantigen) (Solanocysteine synthase) (Soc synthase) (Solanocysteinyl-		
		tRNA(Sec) synthase) (Sep-tRNA:Sec-tRNA synthase) (SepSecS) (Soluble liver antigen) (SLA) (UGA suppressor tRNA-associated protein) (tRNA(Ser/Sec)-associated antigenic protein)		
		2.6.1.64) (Kynurenine aminotransferase 1) (Kynurenine aminotransferase I) (KATI) (Kynurenine aminotransferase I) (Kynurenine aminotransferase I) (Kynurenine aminotransferase I) (Kynurenine aminotransferase II) (Kynurenine aminotransferase III)		
1 10 10 10 10 10 10 10		(Kynurenineglyoxylate transaminase) (EC 2.6.1.63) (Kynurenineoxoglutarate transaminase III)		
1.00 1.00				
1.			-6.970000	38.000000
15 15 15 15 15 15 15 15		Serinepyruvate aminotransferase (SPT) (EC 2.6.1.51) (Alanineglyoxylate aminotransferase) (AGT) (EC 2.6.1.44)	-6.960000	53.000000
1.				
18 CLAS CL				
	$17_{\mathrm{ALT2}}^{\mathrm{GPT2}}$	Alanine aminotransferase 2 (ALT2) (EC 2.6.1.2) (Glutamate pyruvate transaminase 2) (GPT 2) (Glutamicalanine transaminase 2) (Glutamicpyruvic transaminase 2)	-6.800000	43.000000
20 SPIT SPIT Serious Spit Spit Serious Spit Spi	KIAA0526 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)	-6.770000	43.000000
23 First Settine deslystrateser-like (lesertine designations) (Lesertine deslystrateser) (TDH) (EC 4.3.1.19) (Settine deslystrateser) (1900 10		Glutamate decarboxylase 1 (EC 4.1.1.15) (67 kDa glutamic acid decarboxylase) (GAD-67) (Glutamate decarboxylase 67 kDa isoform)	-6.710000	37.000000
23 15 15 15 15 15 15 15 1				
24 CH 10				
SALASI NASS CALIFORNIS Californitinate synthase, nonspecific, mitochondrial (ALAS-H) (EC 2.3.1.37) (Saminolevilinite acid synthase 1) (Delta-ALA) synthase 1) (Delta-aminolevilinate synthase) 6.4000 2.00000 2.000000 2.000000 2.000000 2.0000000 2.0000000000	23 HDC	Histidine decarboxylase (HDC) (EC 4.1.1.22)	-6.520000	92.000000
Act Cas	ALAS1 ALAS3			
27 ABAT GABAT ABAT GABAT ABAT GABAT ABAT GABAT (ABINAT) ABAT CABAT ABAT CABAT ABAT CABAT ABAT CABAT ABAT CABAT (ABINAT) ABAT CABAT ABAT CAB	cl.121			
		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		
1				
31 GADZ GADS Coltamate decarboxylase 2 (EC 4.1.1.1.5) (E5 KDa glutamic acid decarboxylase) (GAD-65) (Glutamate decarboxylase 2) (Delta-ALA synthase 2) (Delta-minolevulinate synthase.) 6.160000 3.0000000 3.0000000 3.0000000 3.0000000 3.0000000 3.0000000 3.0000000 3.0000000 3.0000000 3.0000000000		Tyrosine aminotransferase (TAT) (EC 2.6.1.5) (L-tyrosine:2-oxoglutarate aminotransferase)	-6.350000	47.000000
3.4.48.2 ALS 2.8.2 Saminolevulinate synthase, erythroid-specific, mitochondrial (ALS-E) (EC 2.3.1.37) (5-aminolevuliniae cid synthase 2) (Delta-ALI synthase 2) (Delta-Aminolevulinate synthase 2) 3.000000 3.000000 3.0000000 3.0000000 3.0000000 3.0000000 3.0000000 3.0000000 3.0000000 3.0000000000				
Thronine synthase-like 1 (TSH1) AGXT2L2 PP9266 Thronine synthase-like 2 (TSH2) (EC 4.2.3.134) (Alanine-glyoxylate aminotransferase 2-like 2) Thronine synthase-like 2 (TSH2) (EC 4.2.3.134) (Alanine-glyoxylate aminotransferase 2-like 2) Thronine synthase-like 2 (TSH2) (EC 4.2.3.134) (Alanine-glyoxylate aminotransferase 2-like 2) Thronine synthase-like 2 (TSH2) (EC 4.2.3.134) (Alanine-glyoxylate aminotransferase) (Serine methylase) Thronine synthase-like 2 (TSH2) (EC 4.2.3.134) (Alanine-glyoxylate aminotransferase) (Serine methylase) Thronine synthase-like 2 (TSH2) (EC 4.2.3.134) (Alanine-glyoxylate 1-cathoxylate 1-cells (Sopt) Thronine synthase-like 2 (TSH2) (EC 4.2.3.134) (Alanine-glyoxylate 4-cells (Sopt) Thronine synthase-like 2 (TSH2) (EC 4.2.3.134) (Alanine-glyoxylate 4-cells (Sopt) Thronine synthase-like 2 (TSH2) (EC 4.2.3.134) (Alanine-glyoxylate 4-cells (Sopt) Thronine synthase-like 2 (TSH2) (EC 4.2.3.134) (Alanine-glyoxylate 4-cells (Sopt) Thronine synthase-like 2 (TSH2) (EC 4.2.3.134) (Alanine-glyoxylate 4-cells (Sopt) Thronine synthase-like 2 (TSH2) (EC 4.2.3.134) (Alanine-glyoxylate 4-cells (Sopt) Thronine synthase-like 2 (TSH2) (EC 4.2.3.134) (Alanine-glyoxylate 4-cells (Sopt) Thronine synthase-like 2 (TSH2) (EC 4.2.3.134) (Alanine-glyoxylate 4-cells (Sopt) Thronine synthase-like protein 1 (Serine methylase) Thronine synthase-like protein 1 (Serine methylase) Thronine aminotransferase, mitochondrial (EC 2.6.1.13) (Orghine-paminylase) (Serine methylase) Thronine aminotransferase 3 (EC 2.3.1.24) (Alaninoacetone synthase) (Serine methylase) Thronine aminotransferase 3 (EC 2.3.1.24) (Alaninoacetone synthase) (Serine methylase) Thronine aminotransferase 3 (EC 2.3.1.24) (TE 2.3.1.24) (Alaninoacetone synthase) (Serine methylase) Thronine aminotransferase 3 (EC 2.3.1.24) (TE 2.3.1.24) (Alaninoacetone synthase) (Serine methylase) Thronine aminotransferase 3 (EC 2.3.1.24) (TE 2.3.1.24) (Alaninoacetone synthase) (Serine methylase) Thronine aminotransferase 3 (EC 2.3.1.24) (TE 2.3.1.24)				
PHYKPL				
PP9286	PHYKPL			
Serine hydroxymethyltransferase, mitochondrial (SHMT) (EC 2.1.2.1) (Glycine hydroxymethyltransferase) (Serine methylase) 70 Ornithine aminotransferase, mitochondrial (EC 2.6.1.13) (Ornithine delta-aminotransferase) (Ornithine-oxo-acid aminotransferase) (Incavalidaminotransferase), hepatic form (EC 2.4.1.1) (Myophosphorylase) 80 Glycogen phosphorylase, muscle form (EC 2.4.1.1) (Myophosphorylase) 80 GaDL1 decarboxylase alke protein 1) 80 Serine hydroxymethyltransferase, cytosolic (SHMT) (EC 2.1.2.1) (Glycine hydroxymethyltransferase) (Serine methylase) 81 PYGB (Slycogen phosphorylase, brain form (EC 2.4.1.1) 82 Serine hydroxymethyltransferase, cytosolic (SHMT) (EC 2.1.2.1) (Glycine hydroxymethyltransferase) 81 PYGB (Slycogen phosphorylase, brain form (EC 2.4.1.1) 82 Alamino-3-ketobutyrate coenzyme A ligase, mitochondrial (AKB ligase) (EC 2.3.1.29) (Aminoacetone synthase) (Glycine acetyltransferase) 83 PSTLC3 843 ACCSL Probable inactive 1-aminocyclopropane1-carboxylase synthase-like protein 2) 84 NSTS INFS HUSSY-08 85 PTLC3 85 PTLC3 84 C 2004738 85 PTLC3 85 PTLC3 84 C 2004738 85 PTLC3 84 Activate inhibitor 1 (AZI) (AZII) (Ornithine decarboxylase intibitor) 85 C 25 KNTM (ARIT) OAZII 86 C 25 C 2	PP9286		-6.090000	41.000000
37 OAT Ornithine aminotransferase, mitochondrial (EC 2.6.1.13) (Ornithine delta-aminotransferase) (Ornithine—oxo-acid aminotransferase) [Cleaved into: Ornithine aminotransferase, hepatic form) 38 PYGM Glycogen phosphorylase, muscle form (EC 2.4.1.1) (Myophosphorylase) 39 GADL1 dcidic amino acid decarboxylase (ASDL1 (Aspartate 1-decarboxylase) (ADC) (HuADC) (EC 4.1.1.11) (Cysteine sulfinic acid decarboxylase) (CSADC) (HuCSADC) (EC 4.1.1.29) (Glutamate decarboxylase) (ADC) (HuADC) (EC 4.1.1.11) (Cysteine sulfinic acid decarboxylase) (CSADC) (HuCSADC) (EC 4.1.1.29) (Glutamate decarboxylase) (ADC) (HuADC) (EC 4.1.1.11) (Cysteine sulfinic acid decarboxylase) (CSADC) (HuCSADC) (EC 4.1.1.29) (Glutamate decarboxylase) (ADC) (HuADC) (EC 4.1.1.11) (Cysteine sulfinic acid decarboxylase) (CSADC) (HuCSADC) (EC 4.1.1.29) (Glutamate decarboxylase) (ADC) (EC 4.1.1.29) (Glycine hydroxymethyltransferase) (Serine methylase) 41 PYGB Glycogen phosphorylase, priatin form (EC 2.4.1.1) (Glycine hydroxymethyltransferase) (Serine methylase) 42 CGAT KBL Probable inactive 1-amino-cyclopropane-1-carboxylate synthase-like protein 2 (ACC synthase-like protein 2) 43 ACCSL Probable inactive 1-amino-cyclopropane-1-carboxylate synthase-like protein 2 (ACC synthase-like protein 2) 45 NPS1 NIFS SYPTCS 46 C20orT38 SPTLCS 46 C20orT38 Serine palmitoyltransferase 3 (EC 2.3.1.50) (Long chain base biosynthesis protein 3) (LCB 3) (Serine-palmitoyl-CoA transferase 3) (SPT 3) 47 OAZIN OAZIN 47 OAZIN OAZIN 48 CBSL Cystathionine beta-synthase-like protein (EC 4.2.1.22) (Beta-thionase) (Serine sulfhydrase) 51 MCCOS Glycine dehydrogenase (decarboxylase) amitorhondrial (EC 1.4.4.1) (Glycine cleavage system P protein) (Glycine decarboxylase) (Glycine dehydrogenase (aminomethyl-transferring) 51 MCCOS Molybenum cofactor sulfurase (MCS) (MOS) (MoCo sulfurase) (MCS) (MOS) (Molybenum cofactor sulfurransferase) 52 KYNU Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase)				
38 PYGM Glycogen phosphorylase, muscle form (EC 2.4.1.1) (Myophosphorylase) 39 GADL1 Acidic amino acid decarboxylase GADL1 (Aspartate 1-decarboxylase) (ADC) (HuADC) (EC 4.1.1.11) (Cysteine sulfinic acid decarboxylase) (CSADC) (HuCSADC) (E4.1.1.29) (Glutamate decarboxylase) (ADC) (HuADC) (EC 4.1.1.11) (Cysteine sulfinic acid decarboxylase) (CSADC) (HuCSADC) (E4.1.1.29) (Glutamate decarboxylase) (ADC) (HuCSADC) (E4.1.1.29) (Glutamate decarboxylase) (ADC) (E4.1.1.29) (Glycine hydroxymethyltransferase) (Serine hydroxymethyltransferase, cytosolic (SHMT) (EC 2.1.2.1) (Glycine hydroxymethyltransferase) (Serine methylase) 41 PYGB Glycogen phosphorylase, brain form (EC 2.4.1.1) 42 CGAT KBL 2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial (AKB ligase) (EC 2.3.1.29) (Aminoacetone synthase) (Glycine acetyltransferase) 43 ACCSL Probable inactive 1-aminocyclopropane-1-carboxylate synthase-like protein 2 (ACC synthase-like protein 2) 43 ACCSL Probable inactive 1-aminocyclopropane-1-carboxylate synthase-like protein 2 (ACC synthase-like protein 2) 45 NFS1 NIFS PUTSTA 45 Cysteine desulfurase, mitochondrial (EC 2.3.1.79) (Long chain base biosynthesis protein 3) (LCB 3) (Serine-palmitoyl-CoA transferase 3) (SPT 3) 46 C20orf38 SPTLC2L 47 OAZIN 10 AZI 47 OAZIN 10 AZI 48 CBSL Cystathionine beta-synthase-like protein (EC 4.2.1.22) (Beta-thionase) (Serine sulfhydrase) 49 GLOC GCSP Glycine dehydrogenase (decarboxylating), mitochondrial (EC 1.4.4.2) (Glycine cleavage system P protein) (Glycine decarboxylase) (Glycine dehydrogenase (aminotransferrase) (B-230000 7.5.000000 7.5.000000 7.5.0000000000		Ornithine aminotransferase, mitochondrial (EC 2.6.1.13) (Ornithine delta-aminotransferase) (Ornithineoxo-acid aminotransferase) [Cleaved into: Ornithine aminotransferase, hepatic form;		
40 SHMT1 Serine hydroxymethyltransferase, cytosolic (SHMT) (EC 2.1.2.1) (Glycine hydroxymethyltransferase) (Serine methylase) 41 PYGB Glycogen phosphorylase, brain form (EC 2.4.1.1) 42 GCAT KBL 2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial (AKB ligase) (EC 2.3.1.29) (Aminoacetone synthase) (Glycine acetyltransferase) 43 ACCSL Probable inactive 1-aminocyclopropane-1-carboxylate synthase-like protein 2 (ACC synthase-like protein 2) 44 DDC AADC Aromatic-1-amino-acid decarboxylate (AADC) (EC 4.1.1.28) (DOPA decarboxylase) (DDC) 5 NFS1 NIFS 5 NIFS 6 NIFS 6 NUSSY-08 5 SPTLC21 5 Oysteine desulfurase, mitochondrial (EC 2.8.1.7) 5 Activate inhibitor 1 (AZI) (AZII) (Ornithine decarboxylase antizyme inhibitor) 5 ACST ACTIVATE (Glycine cleavage system P protein) (Glycine decarboxylase) (Glycine dehydrogenase (aminomethyl-transferase) (D-4.1.4.2) (Glycine cleavage system P protein) (Glycine decarboxylase) (Glycine dehydrogenase (aminomethyl-transferase) (D-4.1.4.2) (Glycine cleavage system P protein) (Glycine decarboxylase) (Glycine dehydrogenase (aminomethyl-transferase) (D-4.1.4.2) (Glycine cleavage system P protein) (Glycine decarboxylase) (Glycine dehydrogenase (aminomethyl-transferase) (D-4.1.4.2) (Glycine cleavage system P protein) (Glycine decarboxylase) (Glycine dehydrogenase (aminomethyl-transferase) (D-4.1.4.2) (Glycine cleavage system P protein) (Glycine decarboxylase) (Glycine dehydrogenase) (Glycine dehydrogenase	38 PYGM		-5.960000	44.000000
40 SHMT1 Serine hydroxymethyltransferase, cytosolic (SHMT) (EC 2.1.2.1) (Glycine hydroxymethyltransferase) (Serine methylase) 41 PYGB Glycogen phosphorylase, brain form (EC 2.4.1.1) 42 GCAT KBL 4. Amino-3-ketobutyrate coenzyme A ligase, mitochondrial (AKB ligase) (EC 2.3.1.29) (Aminoacetone synthase) (Glycine acetyltransferase) 4. DC ADC 4. DC ADC 4. Probable inactive 1-amino-acid decarboxylase, mitochondrial (AKB ligase) (EC 2.3.1.29) (Aminoacetone synthase) (Glycine acetyltransferase) 4. DC ADC 4. NFSI NIFS HUSSY-08 SPTLC3 4. Color a sprtlc3 4. Color a sprtlc3 4. AZIN1 OAZI 4. GOSP 4. Glycine dehydrogenase (decarboxylase antizyme inhibitor) 4. Glycine devilorinase (EC 2.3.1.30) (Lorg chain base biosynthesis protein) (Glycine decarboxylase) (Glycine dehydrogenase (aminorthyl-transferase)) 5. AGXT2 AGT2 5. AGXT2 AGT2 5. Alanine-glyoxylate aminotransferase 2. mitochondrial (EC 2.6.1.44) ((R)-3-amino-2-methylpropionate-pyruvate transaminase) (EC 2.6.1.40) (Beta-ALAAT II) (Beta-alanine-pyruvate aminotransferase) (DABAT) 5. AG0000 5. AKTVA GC 5. AVINU 5. Kymureninase (EC 3.7.1.3) (L'kymurenine hydrolase) 5. AG0000 5. AKTVA GC 5. Serine palmitoyltransferase, (VS Synthionine decarboxylating), mitochondrial (EC 2.6.1.44) ((R)-3-amino-2-methylpropionate-pyruvate transaminase) (EC 2.6.1.40) (Beta-ALAAT II) (Beta-alanine-pyruvate ransaminase) 5. AKTVA 6. Kymureninase (EC 3.7.1.3) (L'kymurenine hydrolase) 5. AKTVA 6. Kymureninase (EC 3.7.1.3) (L'kymurenine hydrolase) 6. AKTVA GC 6. Sorine palmitoyltransferase) 6. AKTVA GC 6. Sorine palmitoyltransferase, (VS MOS) (MoCo sulfurase) (MCS) (MOS) (MoCo sulfurase) (MCS) (MOS) (MoCo sulfurase) (MCS) (MOS) (MoCo sulfurase) (MCS) (MOS) (MOS) (MCO sulfurase) (MCS) (MOS) (MOS) (MCO sulfurase) (MCS) (MOS) (MOS) (MCO sulfurase) (MCS)	39 GADL1		-5.940000	38.000000
42 GCAT KBL 43 ACCSL 44 DCC AADC 45 FILSSY-08 45 FILSSY-08 52 FILCZL 47 AZIN1 OAZI ASISSL ASISS		Serine hydroxymethyltransferase, cytosolic (SHMT) (EC 2.1.2.1) (Glycine hydroxymethyltransferase) (Serine methylase)		
43 ACCSL Probable inactive 1-aminocyclopropane-1-carboxylate synthase-like protein 2 (ACC synthase-like protein 2) According to ADC (ACC synthase-like protein 2) According to ACC (ACC synthase-like protein 2) According to ADC (ACC synthase-like protein 2) According to ACC (ACC synthase-like protein 2) Acco				
45 NFS1 NIFS HUSSY-08 SPTLC3 46 C200rf38 SPTLC21 47 AZIN1 OAZIN 48 CBSL 49 GLDC GCSP 50 AGXT2 AGT2 51 MOCOS 51 MOCOS 52 KYNU 52 KYNU 54 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 55 KYNU 55 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 50 AGXD 50 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 50 AGXD 50 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 51 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 52 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 52 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 51 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 52 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 52 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 54 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 55 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 55 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 51 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 51 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 52 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 52 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 54 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) 55 Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase)	43 ACCSL	Probable inactive 1-aminocyclopropane-1-carboxylate synthase-like protein 2 (ACC synthase-like protein 2)	-5.690000	23.000000
SPTLC3 46 C20orf38 SPTLC2L 47 AZIN1 OAZI OAZIN OXIN OXIN OXIN OXIN OXIN OXIN OXIN OX				
SPTLC2L 47 AZIN1 OAZI OAZIN Antizyme inhibitor 1 (AZI) (AZI1) (Ornithine decarboxylase antizyme inhibitor) -5.380000 35.000000 48 CBSL Cystathionine beta-synthase-like protein (EC 4.2.1.22) (Beta-thionase) (Serine sulfhydrase) Glycine dehydrogenase (decarboxylating), mitochondrial (EC 1.4.4.2) (Glycine cleavage system P protein) (Glycine decarboxylase) (Glycine dehydrogenase (aminomethyl-transferring)) -5.1100000 -5.110000 -5.110000 -5.110000 -5.110000 -5.110000 -5.110000 -5.110000 -5.110000 -5.110000 -5.110000 -5.110000 -5.110000 -5.110000 -5.110000 -5.110000 -5.110000 -5.110000 -5.110000 -5.1100000 -5.1100000 -5.1100	SPTLC3			
48 CBSL Cystathionine beta-synthase-like protein (EC 4.2.1.22) (Beta-thionase) (Serine sulfhydrase) 49 GLDC GCSP Glycine dehydrogenase (decarboxylating), mitochondrial (EC 1.4.4.2) (Glycine cleavage system P protein) (Glycine decarboxylase) (Glycine dehydrogenase (aminomethyl-transferring)) 50 AGXT2 AGT2 AGT2 Alanineglyoxylate aminotransferase 2, mitochondrial (AGT 2) (EC 2.6.1.44) ((R)-3-amino-2-methylpropionatepyruvate transaminase) (EC 2.6.1.40) (Beta-ALAAT II) (Beta-alanine-pyruvate aminotransferase) (D-AIBAT) 51 MOCOS Molybdenum cofactor sulfurase (MCS) (MOS) (MoCo sulfurase) (hMCS) (EC 2.8.1.9) (Molybdenum cofactor sulfurtransferase) 52 KYNU Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase)	SPTLC2L			
49 GLDC GCSP Glycine dehydrogenase (decarboxylating), mitochondrial (EC 1.4.4.2) (Glycine cleavage system P protein) (Glycine decarboxylase) (Glycine dehydrogenase (aminomethyl-transferring)) 50 AGXT2 AGT2 AGT2 51 MOCOS Molybdenum cofactor sulfurase (MCS) (MOS) (MoCo sulfurase) (hMCS) (EC 2.8.1.9) (Molybdenum cofactor sulfurtransferase) 52 KYNU Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) -5.110000 29.000000 -5.080000 19.000000 -5.070000 19.000000 -5.070000 34.000000	OAZIN			
aminotransferase) (D-AIBAT) 51 MOCOS Molybdenum cofactor sulfurase (MCS) (MOS) (MoCo sulfurase) (hMCS) (EC 2.8.1.9) (Molybdenum cofactor sulfurtransferase) 52 KYNU Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) -5.080000 19.000000 -5.070000 19.000000 -5.070000 34.000000 -5.080000 34.000000 -5.080000 34.000000		Glycine dehydrogenase (decarboxylating), mitochondrial (EC 1.4.4.2) (Glycine cleavage system P protein) (Glycine decarboxylase) (Glycine dehydrogenase (aminomethyl-transferring))		
51 MOCOS Molybdenum cofactor sulfurase (MCS) (MOS) (MoCo sulfurase) (hMCS) (EC 2.8.1.9) (Molybdenum cofactor sulfurtransferase) 52 KYNU Kynureninase (EC 3.7.1.3) (L-kynurenine hydrolase) -5.070000 19.000000 -4.860000 34.000000	50 AGXT2 AGT2		-5.080000	19.000000
		Molybdenum cofactor sulfurase (MCS) (MOS) (MoCo sulfurase) (hMCS) (EC 2.8.1.9) (Molybdenum cofactor sulfurtransferase)		