

Table S1 28 unsaturated fatty acid-related genes obtained from the Kyoto Encyclopedia of Genes and Genomes database

ID	Symbol	Name
64834	ELOVL1	ELOVL fatty acid elongase 1 [KO:K10247] [EC:2.3.1.199]
54898	ELOVL2	ELOVL fatty acid elongase 2 [KO:K10205] [EC:2.3.1.199]
83401	ELOVL3	ELOVL fatty acid elongase 3 [KO:K10248] [EC:2.3.1.199]
6785	ELOVL4	ELOVL fatty acid elongase 4 [KO:K10249] [EC:2.3.1.199]
60481	ELOVL5	ELOVL fatty acid elongase 5 [KO:K10244] [EC:2.3.1.199]
79071	ELOVL6	ELOVL fatty acid elongase 6 [KO:K10203] [EC:2.3.1.199]
79993	ELOVL7	ELOVL fatty acid elongase 7 [KO:K10250] [EC:2.3.1.199]
51144	HSD17B12	Hydroxysteroid 17-beta dehydrogenase 12 [KO:K10251] [EC:1.1.1.62?1.1.1.330]
201562	HACD2	3-hydroxyacyl-CoA dehydratase 2 [KO:K10703] [EC:4.2.1.134]
9200	HACD1	3-hydroxyacyl-CoA dehydratase 1 [KO:K10703] [EC:4.2.1.134]
401494	HACD4	3-hydroxyacyl-CoA dehydratase 4 [KO:K10703] [EC:4.2.1.134]
51495	HACD3	3-hydroxyacyl-CoA dehydratase 3 [KO:K10703] [EC:4.2.1.134]
9524	TECR	Trans-2,3-enoyl-CoA reductase [KO:K10258] [EC:1.3.1.93]
6319	SCD	Stearoyl-CoA desaturase [KO:K00507] [EC:1.14.19.1]
79966	SCD5	Stearoyl-CoA desaturase 5 [KO:K00507] [EC:1.14.19.1]
9415	FADS2	Fatty acid desaturase 2 [KO:K10226] [EC:1.14.19.3]
3992	FADS1	Fatty acid desaturase 1 [KO:K10224] [EC:1.14.19.44]
8310	ACOX3	Acyl-CoA oxidase 3, pristanoyl [KO:K00232] [EC:1.3.3.6]
51	ACOX1	Acyl-CoA oxidase 1 [KO:K00232] [EC:1.3.3.6]
3295	HSD17B4	Hydroxysteroid 17-beta dehydrogenase 4 [KO:K12405] [EC:1.1.1.-?4.2.1.107?4.2.1.119]
30	ACAA1	Acetyl-CoA acyltransferase 1 [KO:K07513] [EC:2.3.1.16]
6342	SCP2	Sterol carrier protein 2 [KO:K08764] [EC:2.3.1.176]
122970	ACOT4	Acyl-CoA thioesterase 4 [KO:K01068] [EC:3.1.2.2]
10965	ACOT2	Acyl-CoA thioesterase 2 [KO:K01068] [EC:3.1.2.2]
641371	ACOT1	Acyl-CoA thioesterase 1 [KO:K01068] [EC:3.1.2.2]
11332	ACOT7	Acyl-CoA thioesterase 7 [KO:K17360] [EC:3.1.2.2]
570	BAAT	Bile acid-CoA:amino acid N-acyltransferase [KO:K00659] [EC:2.3.1.65?3.1.2.2]