91 — AT1G36160 = NP_174849 2018327A AAC41645 BAA07012 AAG40563 AAF18638 AAG51250 ACC1 (ACETYL-COENZYME A CARBOXYLASE 1); acetyl-CoA carboxylase/2018327A Ac-CoA carboxylase/acetyl-CoA carboxylase /acetyl-CoA carboxylase /acetyl-CoA carboxylase 1 /F5J5.19

89 — NP_174850 *Arabidopsis thaliana* AAG40564 AAG51252 acetyl-CoA carboxylase/ligase /acetyl-CoA carboxylase 2 /acetyl-CoA carboxylase, putative; 9984-22276

tandem duplicate of the above
with a 10-kb difference

100 — CAC19875 *Brassica napus* acetyl-CoA carboxylase
CAA54683 *Brassica napus* acetyl-CoA carboxylase
94 — AAA81578 *Glycine max* acetyl-CoA carboxylase
AAA75528 *Glycine max* acetyl CoA carboxylase
AAB42144 *Medicago sativa* acetyl-CoA carboxylase
100 — AAK62309 *Lolium rigidum* acetyl-CoA carboxylase
AAK62311 *Lolium rigidum* acetyl-CoA carboxylase
AAK62310 *Lolium rigidum* acetyl-CoA carboxylase
AAK62312 *Lolium rigidum* acetyl-CoA carboxylase
94 — CAC84161 *Alopecurus myosuroides* acetyl-coenzyme A carboxylase
AAC39330 *Triticum aestivum* acetyl-coenzyme A carboxylase
84 — AAK62315 *Zea mays* acetyl-CoA carboxylase
81 — AAK62313 *Zea mays* AAK62314 acetyl-CoA carboxylase/acetyl-CoA carboxylase
70 — AAB01188 *Zea mays* acetyl CoA carboxylase
95 — AAA80214 *Zea mays* CAA80822 AAP78896 AAP78897 acetyl-coenzyme A carboxylase/acetyl CoA carboxylase /acetyl-coenzyme A carboxylase ACC1A /acetyl-coenzyme A carboxylase ACC1B
95 — AAO62902 *Setaria italica* acetyl-coenzyme A carboxylase
AAL02056 *Setaria italica* AAO62903 acetyl-coenzyme A carboxylase/acetyl-coenzyme A carboxylase
100 — AAA19970 *Triticum aestivum* cytosolic acetyl-CoA carboxylase
2208491A *Triticum aestivum* AAC49275 2208491A Ac-CoA carboxylase/acetyl-CoA carboxylase
NP_921034 *Oryza sativa* (japonica cultivar-group) AAM18728 AAP53321 putative acetyl-CoA carboxylase/putative acetyl-CoA carboxylase /acetyl-CoA carboxylase, putative
91 — 100 — **Smo_ACC1_42_2 Smo_ACC1_92_2 Smo_ACC1_66_1**
100 — **Ppa_ACC1_20_1**
Ppa_ACC1_30_1
XP_636722 *Dictyostelium discoideum AX4* EAL63219 *Dictyostelium discoideum* acetyl-CoA carboxylase/acetyl-CoA carboxylase
gnl|CMER|CMM188C_acetyl-CoA_carboxylase,_multifunctional_enzyme,_cytoplasmic

NP_071529 *Rattus norvegicus* P11497 AAA40653 acetyl-coenzyme A carboxylase alpha/COA1_RAT Acetyl-CoA carboxylase 1 (ACC-alpha) /acetyl-coenzyme A carboxylase (EC 6.4.1.2)
Q13085 *Homo sapiens* 2111499A AAC50139 COA1_HUMAN Acetyl-CoA carboxylase 1 (ACC-alpha)/2111499A Ac-CoA carboxylase/acetyl-CoA carboxylase
AAP94122 *Homo sapiens* acetyl-CoA carboxylase 1
NP_942134 *Homo sapiens* NP_942131 NP_942133 NP_942136 NP_942135 AAP69841 acetyl-Coenzyme A carboxylase alpha isoform 3/acetyl-Coenzyme A carboxylase alpha isoform 1 /acetyl-Coenzyme A carboxylase alpha isoform 2 /acetyl-Coenzyme A carboxylase alpha is
S41121 *Homo sapiens* 2006242A CAA48770 S41121 acetyl-CoA carboxylase (EC 6.4.1.2) - human/2006242A Ac-CoA carboxylase/acetyl-CoA carboxylase
89 — NP_579938 *Mus musculus* AAS13685 CAI24019 CAI25271 acetyl-Coenzyme A carboxylase alpha/acetyl-CoA carboxylase 1 /acetyl-Coenzyme A carboxylase /acetyl-Coenzyme A carboxylase
55 — NP_776649 *Bos taurus* Q9TTS3 CAB56826 acetyl-coenzyme A carboxylase alpha/COA1_BOVIN Acetyl-CoA carboxylase 1 (ACC-alpha) /acetyl-CoA-carboxylase
48 — NP_001009256 *Ovis aries* Q28559 CAA56352 ABC96905 *Capra hircus* acetyl-CoA carboxylase/COA1_SHEEP Acetyl-CoA carboxylase 1 (ACC-alpha) /acetyl-CoA carboxylase /acetyl coenzyme A carboxylase alpha
XP_548250 *Canis familiaris* PREDICTED: similar to acetyl-Coenzyme A carboxylase alpha isoform 1 isoform 1
NP_990836 *Gallus gallus* P11029 AAA48701 acetyl-Coenzyme A carboxylase alpha/COAC_CHICK Acetyl-CoA carboxylase (ACC) /acetyl-CoA carboxylase
CAG08536 *Tetraodon nigroviridis* unnamed protein product
92 — XP_886058 *Bos taurus* PREDICTED: similar to acetyl-Coenzyme A carboxylase beta isoform 3
100 — XP_873014 *Bos taurus* XP_886079 PREDICTED: similar to acetyl-Coenzyme A carboxylase beta isoform 2/PREDICTED: similar to acetyl-Coenzyme A carboxylase beta isoform 4
100 — O00763 *Homo sapiens* AAB58382 COA2_HUMAN Acetyl-CoA carboxylase 2 (ACC-beta)/acetyl-CoA carboxylase
NP_001084 *Homo sapiens* CAE01471 AAR37018 acetyl-Coenzyme A carboxylase beta/Acetyl-CoA carboxylase 2 /acetyl-CoA carboxylase 2
XP_624665 *Apis mellifera* PREDICTED: similar to ENSANGP00000015662
100 — NP_610342 *Drosophila melanogaster* NP_724636 AAM50156 AAF59155 AAF59156 CG11198-PA, isoform A/CG11198-PB, isoform B /GH12002p /CG11198-PA, isoform A /CG11198-PB, isoform B
EAL25230 *Drosophila pseudoobscura* GA10832-PA
XP_314071 *Anopheles gambiae str. PEST* EAA09449 ENSANGP00000015662/ENSANGP00000015662

100 — BAA24410 *Saccharomyces cerevisiae* acetyl-coenzyme A carboxylase like carboxylase
NP_013934 *Saccharomyces cerevisiae* P32874 Mitochondrial acetyl-coenzyme A carboxylase, catalyzes the production of malonyl-CoA in mitochondrial fatty acid biosynthesis; Hfa1p/HFA1_YEAST Protein HFA1
100 — XP_571316 *Cryptococcus neoformans var. neoformans JEC21* AAW44009 acetyl-CoA carboxylase/acetyl-CoA carboxylase, putative
EAL20176 *Cryptococcus neoformans var. neoformans B-3501A* hypothetical protein CNBF2520
100 — XP_760776 *Ustilago maydis 521* EAK85486 hypothetical protein UM04629.1/hypothetical protein UM04629.1
CAA86983 *Ustilago maydis* acetyl CoA carboxylase
98 — 100 — XP_663730 *Aspergillus nidulans FGSC A4* CAA75926 *Emericella nidulans* EAA58101 *Aspergillus nidulans FGSC A4* hypothetical protein AN6126.2/acetyl-CoA carboxylase /hypothetical protein AN6126.2
73 — BAE65278 *Aspergillus oryzae* unnamed protein product
XP_755201 *Aspergillus fumigatus Af293* EAL93163 acetyl-CoA carboxylase/acetyl-CoA carboxylase
87 — XP_367702 *Magnaporthe grisea 70-15* hypothetical protein MG07613.4
77 — XP_963017 *Neurospora crassa N150* XP_329580 *Neurospora crassa* EAA33781 hypothetical protein/hypothetical protein /hypothetical protein
86 — XP_386756 *Gibberella zeae PH-1* EAA78365 hypothetical protein FG06580.1/hypothetical protein FG06580.1
100 — T42531 *Schizosaccharomyces pombe* BAA11238 T42531 acetyl-CoA carboxylase (EC 6.4.1.2) - fission yeast (Schizosaccharomyces pombe)/acetyl-coenzyme A carboxylase
NP_593271 *Schizosaccharomyces pombe 972h-* P78820 *Schizosaccharomyces pombe* CAB16395 hypothetical protein SPAC56E4.04c/COAC_SCHPO Acetyl-CoA carboxylase (ACC) (Cell untimely torn protein 6) /cut6
XP_501721 *Yarrowia lipolytica CLIB122* CAG82031 hypothetical protein/unnamed protein product
100 — XP_449236 *Candida glabrata CBS 138* CAG62210 unnamed protein product/unnamed protein product
NP_014413 *Saccharomyces cerevisiae* Q00955 AAA20073 CAA96294 Acetyl-CoA carboxylase, biotin containing enzyme that catalyzes the carboxylation of acetyl-CoA to form malonyl-CoA; required for de novo biosynthesis of long-chain fatty acids; Acc1p/COAC_Y
NP_982612 *Eremothecium gossypii* AAS50436 *Ashbya gossypii ATCC 10895* AAR071Wp/AAR071Wp
XP_455355 *Kluyveromyces lactis NRRL Y-1140* CAG98063 unnamed protein product/unnamed protein product
100 — XP_457211 *Debaryomyces hansenii CBS767* CAG85206 hypothetical protein DEHA0B05632g/unnamed protein product
XP_718624 *Candida albicans SC5314* EAK99708 acetyl-CoA carboxylase/hypothetical protein CaO19.7466

0.100