

LHY (AT1G01060): global tree
File name: LHY.mltree3.svg
61 aa residues 42 OTU included.

Assemble Job Id: eYyiWE selectNalign: OOfUT
Tree job id: Kf0d39
BP values out of 100
Analyzed by tomoakin@kenroku.kanazawa-u.ac.jp Originally by T. Hirai
Date: Sat Nov 24 19:59:36 JST 2007

XP_665733 *Cryptosporidium hominis* TU502 XP_626580 *Cryptosporidium parvum* Iowa II EAK88637 *Cryptosporidium parvum* EAL35502 *Cryptosporidium hominis* MYB-related transcription factor (CCA1)/hypothetical protein cgd2_3980 /Myb domain containing protein|CMER|CMS371C_MYB-related_protein
3388_Cre
2242_Cre
AAU14271 *Ostreococcus tauri* LHY-like protein
AAZ85376 *Solanum ochranthum* putative At5g37260
AAX44333 *Lycopersicon peruvianum* AAX44334 AAX44335 AAX44336 AAX44337 AAX44338 AAX44339 AAX44340 AAX44341 AAX44342 AAX44343 *Lycopersicon chilense* AAX44344 AAX44345 AAX44346 AAX44347 AAX44348 AAX44349 AAX44350 AAX44351 AAX44352 AAX44353 *Lycopersicon*
AT3G10113 = NP_683543 NP_173269 AAF25987 AAL36308 AAM45118 BAC98462 AAS58510 DNA binding/transcription factor /EPR1 (EARLY-PHYTOCHROME-RESPONSIVE1); DNA binding /transcription factor /F15H18.16 /unknown protein /unknown protein /MYB-related transcript
BAD61826 *Oryza sativa* (japonica cultivar-group) BAD62104 putative MYB transcription factor/putative MYB transcription factor
XP_473662 *Oryza sativa* (japonica cultivar-group) CAD41380 OSJNBa0088A01.20/OSJNBa0088A01.20
XP_467185 *Oryza sativa* (japonica cultivar-group) BAD07567 BAD27878 putative late elongated hypocotyl/putative late elongated hypocotyl /putative late elongated hypocotyl
Smo_LHY_3_1
AAU90342 *Solanum demissum* putative myb-like DNA-binding protein
AT5G37260 = NP_198542 AAS09985 DNA binding/transcription factor /MYB transcription factor
AT5G17300 = NP_568344 BAB10517 transcription factor/unnamed protein product
Ppa_LHY_4_1
Ppa_LHY_1_1
Smo_LHY_21_1
AT2G46830 = NP_850460 AAB40525 AAC33507 AAC98813 AAS09981 CCA1 (CIRCADIAN CLOCK ASSOCIATED 1); transcription factor/CCA1 /MYB-related transcription factor (CCA1); supported by cDNA: gi:1777442 /CCA1 /MYB transcription factor
AAQ73524 *Mesembryanthemum crystallinum* circadian clock associated1
BAD97867 *Lemna paucicostata* LHY homologue2
BAD97871 *Lemna gibba* LHY homologue2
BAD97866 *Lemna paucicostata* BAD97870 *Lemna gibba* LHY homologue1/LHY homologue1
CAD12767 *Phaseolus vulgaris* LHY protein
AAU20773 *Castanea sativa* late elongated hypocotyl
XP_480189 *Oryza sativa* (japonica cultivar-group) BAC99516 putative LHY protein/putative LHY protein
AT1G01060 = NP_849568 NP_171614 NP_001030924 CAA07004 AAF26474 AAS09977 LHY (LATE ELONGATED HYPOCOTYL); DNA binding/transcription factor /LHY (LATE ELONGATED HYPOCOTYL); DNA binding /transcription factor /LHY (LATE ELONGATED HYPOCOTYL); DNA binding
XP_636518 *Dictyostelium discoideum* AX4 EAL63013 *Dictyostelium discoideum* hypothetical protein DDB0220514/myb domain-containing protein
Smo_LHY_4_2 Smo_LHY_1_1
AT4G01280 = NP_001031568 NP_192037 AAB61027 CAB80937 AAS09983 CAI77453 ABD59049 DNA binding/transcription factor /DNA binding /transcription factor /contains weak similarity to MYB-related proteins /putative myb-related DNA-binding protein /MYB trans
Smo_LHY_2_1
AT1G01520 = NP_171659 CAA73305 AAF81310 AAS09978 CAI77452 DNA binding/transcription factor /MYB-related protein /Contains similarity to a dehydrogenase from *Arabidopsis thaliana* gb|Y12776 and contains a D-isomer specific 2-hydroxyacid dehydrogenases
AT5G02840 = NP_001031823 NP_850756 NP_568108 CAB86038 AAK68834 AAM10084 AAS09984 CAI77450 DNA binding/transcription factor /DNA binding /transcription factor /putative protein /putative protein /putative protein /putative protein /M
AT3G09600 = NP_187571 NP_001030662 AAF23291 AAM14056 AAM67502 AAS58518 CAI77454 DNA binding/transcription factor /DNA binding /transcription factor /putative MYB-related protein /unknown protein /unknown protein /MYB transcription factor /myb trans
BAD29385 *Oryza sativa* (japonica cultivar-group) myb family transcription factor-like
XP_550452 *Oryza sativa* (japonica cultivar-group) BAD67706 putative MYB29 protein/putative MYB29 protein
AT5G52660 = NP_568776 NP_851177 BAA98084 AAM65227 AAN72013 AAS58514 CAI77451 DNA binding/transcription factor /DNA binding /transcription factor /unnamed protein product /contains similarity to MYB-related DNA-binding protein /putative protein /MYB
AAZ20444 *Malus x domestica* MYBR5
XP_550193 *Oryza sativa* (japonica cultivar-group) BAD61425 putative late elongated hypocotyl/putative late elongated hypocotyl
XP_655261 *Entamoeba histolytica* HM-1:IMSS EAL49872 Myb family DNA-binding protein/Myb family DNA-binding protein
XP_649754 *Entamoeba histolytica* HM-1:IMSS EAL44368 Myb family DNA-binding protein/Myb family DNA-binding protein
XP_654568 *Entamoeba histolytica* HM-1:IMSS EAL49180 Myb family DNA-binding protein/Myb family DNA-binding protein