ABP1 (AT4G02980): global tree
File name: ABP1.mltree1.svg
88 aa residues 65 OTU included.

Assemble Job Id: ON9xhf
Tree job id: kkzibo

Analyzed by shino@nibb.ac.jp
Date: Sat Nov 18 13:09:18 JST 2006

ZP_01090925 *Blastopirellula marina DSM 3645* EAQ80392 hypothetical protein DSM3645_11122/hypothetical protein DSM3645_11122
ZP_00676504 *Pelobacter propionicus DSM 2379* EAO38098 conserved hypothetical protein/conserved hypothetical protein
ZP_00666780 *Syntrophobacter fumaroxidans MPOB* EAO20697 Cupin region/Cupin region
NP_142066 *Pyrococcus horikoshii OT3* BAA29115 hypothetical protein PH0047/122aa long hypothetical protein
NP_577785 *Pyrococcus furiosus DSM 3638* AAL80180 putative carbohydrate binding protein/putative carbohydrate binding protein
NP_125749 *Pyrococcus abyssi GE5* CAB48980 hypothetical protein PAB2310/Hypothetical protein
YP_265818 *Candidatus Pelagibacter ubique HTCC1062* AAZ21215 Novel protein with potential Cupin domain/Novel protein with potential Cupin domain
ZP_00515786 *Crocosphaera watsonii WH 8501* EAM51095 TonB box, N-terminal/TonB box, N-terminal
YP_479052 *Synechococcus* sp. *JA-2-3B'a(2-13)* ABD03789 cupin domain protein/cupin domain protein
YP_322097 *Anabaena variabilis ATCC 29413* NP_487787 *Nostoc* sp. *PCC 7120* BAB75446 ABA21202 *Anabaena variabilis ATCC 29413* TonB box-like/hypothetical protein all3747 /all3747 /TonB box-like
YP_075095 *Symbiobacterium thermophilum IAM 14863* BAD40251 hypothetical protein STH1266/conserved hypothetical protein
YP_009854 *Desulfovibrio vulgaris subsp. vulgaris str. Hildenborough* AAS95113 cupin family protein/cupin family protein
YP_285120 *Dechloromonas aromatica RCB* AAZ46650 Cupin region/Cupin region
ZP_00562435 *Methanococcoides burtonii DSM 6242* EAN00780 Cupin:Cupin region/Cupin:Cupin region
NP_248628 *Methanocaldococcus jannaschii DSM 2661* Q59013 *Methanocaldococcus jannaschii* AAB99639 *Methanocaldococcus jannaschii DSM 2661* hypothetical protein MJ1618/Y1618_METJA Hypothetical protein MJ1618 /conserved hypothetical protein
NP_618492 *Methanosarcina acetivorans C2A* AAM06972 hypothetical protein MA3617/conserved hypothetical protein
NP_229091 *Thermotoga maritima MSB8* 1O4T *Thermotoga maritima* 1O4T AAD36361 *Thermotoga maritima MSB8* hypothetical protein TM1287/A Chain A, Crystal Structure Of Putative Oxalate Decarboxylase (Tm1287) From Thermotoga Maritima At 1.95 A Resolution/B
ZP_00586004 *Shewanella amazonensis SB2B* EAN39585 putative auxin-binding protein/putative auxin-binding protein
NP_385320 *Sinorhizobium meliloti 1021* CAC45793 *Sinorhizobium meliloti* PUTATIVE AUXIN-BINDING PROTEIN/PUTATIVE AUXIN-BINDING PROTEIN
YP_255873 *Sulfolobus acidocaldarius DSM 639* AAY80580 hypothetical protein Saci_1234/hypothetical protein Saci_1234
ZP_00983243 *Burkholderia dolosa AUO158* COG1917: Uncharacterized conserved protein, contains double-stranded beta-helix domain
NP_105547 *Mesorhizobium loti MAFF303099* BAB51333 contains similarity to auxin-binding protein/mll4748
ZP_00633493 *Shewanella denitrificans OS217* EAN72065 conserved hypothetical protein/conserved hypothetical protein
XP_681368 *Aspergillus nidulans FGSC A4* EAA59721 hypothetical protein AN8099.2/hypothetical protein AN8099.2
NP_929577 *Photorhabdus luminescens subsp. laumondii TTO1* CAE14618 hypothetical protein plu2325/unnamed protein product
ZP_00978422 *Burkholderia cenocepacia PC184* COG3837: Uncharacterized conserved protein, contains double-stranded beta-helix domain
YP_373663 *Burkholderia* sp. *383* ABB13019 hypothetical protein Bcep18194_B2908/conserved hypothetical protein
ZP_00458879 *Burkholderia cenocepacia HI2424* ZP_00452481 *Burkholderia cenocepacia AU 1054* EAM14754 EAM21936 *Burkholderia cenocepacia HI2424* Cupin/Cupin:Cupin region /Cupin:Cupin region /Cupin
13438_Cre
13660_Cre
AAG24499 *Sinapis arvensis* susceptible endoplasmic reticulum auxin-binding protein 1a
AAG24500 *Sinapis arvensis* susceptible endoplasmic reticulum auxin-binding protein 1b
CAA62956 *Fragaria* x *ananassa* auxin-binding protein
AAB47752 *Malus* x *domestica* auxin binding protein
Smo_ABP1_25_1
Smo_ABP1_3_1
Ppa_ABP1_11_1
AAF37576 *Ceratodon purpureus* auxin binding protein 1-like protein
AAR97944 *Eucommia ulmoides* auxin-binding protein 1
CAA88361 *Capsicum annuum* auxin binding protein 1
CAA09882 *Lycopersicon esculentum* ER auxin binding protein 1
P33491 *Nicotiana tabacum* CAA50260 ABP2_TOBAC Auxin-binding protein T92 precursor (ABP)/auxin-binding protein
P33490 *Nicotiana tabacum* CAA50259 ABP1_TOBAC Auxin-binding protein T85 precursor (ABP)/auxin-binding protein
BAC57620 *Matricaria recutita* putative auxin binding protein 1 alpha
BAC56117 *Chamaemelum nobile* putative auxin binding protein 1 alpha
BAC57619 *Chamaemelum nobile* putative auxin binding protein 1 alpha
BAC56120 *Chamaemelum nobile* putative auxin binding protein 1 alpha
AAQ04680 *Helianthus annuus* auxin binding protein-1
BAC56119 *Matricaria recutita* putative auxin binding protein 1 beta2
BAC57621 *Chamaemelum nobile* putative auxin binding protein 1 beta
BAC56118 *Matricaria recutita* BAC66183 *Chamaemelum nobile* putative auxin binding protein 1 beta1/putative auxin binding protein 1 beta
BAC66181 *Matricaria recutita* putative auxin binding protein 1 beta1
BAA25433 *Avena sativa* auxin-binding protein
AAA33436 *Zea mays* auxin-binding protein precursor
1LR5 *Zea mays* 1LR5 1LR5 1LR5 1LRH P13689 1LRH 1LRH 1LRH CAA34376 CAA34375 CAA40061 AAA33430 AAB25115 A Chain A, Crystal Structure Of Auxin Binding Protein/B Chain B, Crystal Structure Of Auxin Binding Protein /C Chain C, Crystal Structure Of Auxin Bin
P33488 *Zea mays* AAA33431 AAB28589 ABP4_MAIZE Auxin-binding protein 4 precursor (ABP)/auxin-binding protein/ZmERabp4
AAX81926 *Oryza sativa* (japonica cultivar-group) auxin-binding protein precursor
ABA98773 *Oryza sativa* (japonica cultivar-group) auxin-binding protein 4 precursor
AAV84584 *Populus tomentosa* auxin-binding protein 1
BAA25432 *Raphanus sativus* auxin-binding protein
AAG24501 *Sinapis arvensis* susceptible endoplasmic reticulum auxin-binding protein 2
AAG24498 *Sinapis arvensis* resistant endoplasmic reticulum auxin-binding protein 2
AAG24497 *Sinapis arvensis* resistant endoplasmic reticulum auxin-binding protein 1
AAM64865 *Arabidopsis thaliana* auxin-binding protein 1 precursor
AT4G02980 = NP_192207 P33487 CAA49526 AAB22612 AAC79108 CAB77783 AAK63851 AAM10378 ABP1 (ENDOPLASMIC RETICULUM AUXIN BINDING PROTEIN 1)/ABP1_ARATH Auxin-binding protein 1 precursor (ABP)/auxin-binding protein /At-ERabp1 /auxin-binding protein 1 prec

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