

CYCD1:1 (At1g70210); partial tree
File name: CYCD1:1.pt3.svg
52 aa residues 65 OTU included.
Partial tree including Ppa.
Assemble Job Id: MgsTDu
Tree job id: UgkWW3
BP values out of 100
Analyzed by ishikam@nibb.ac.jp
Date: Tue May 16 17:10:44 JST 2006

Removal of CYCA and duplicated Arabidopsis genes

88

71

24

15

38

88

100

55

88

100

P34801 *Antirrhinum majus* CAA53729 CCN2_ANTMA G2/mitotic-specific cyclin-2/mitotic-like cyclin
AAX95283 *Oryza sativa* (japonica cultivar-group) AAX95412 ABA95520 Cyclin, N-terminal domain, putative/Cyclin, N-terminal domain, putative/Cyclin, N-terminal domain, putative
AT5G02110 = NP_195831 CAB82984 CYCD7;1; cyclin-dependent protein kinase/putative protein
BAD30903 *Oryza sativa* (japonica cultivar-group) putative cyclin D1
AT4G03270 = NP_192236 AAD14455 CAB77812 CYCD6;1; cyclin-dependent protein kinase/putative D-type cyclin /putative D-type cyclin
AAL83927 *Zea mays* D-type cyclin
ABA99754 *Oryza sativa* (japonica cultivar-group) Cyclin, N-terminal domain, putative
AAT77041 *Oryza sativa* (japonica cultivar-group) putative Cyclin
AT4G37630 = NP_195478 AAS49095 BAD94450 CYCD5;1; cyclin-dependent protein kinase/At4g37630 /putative protein
Ppa_CYCD11_1_1 CAD32542 *Physcomitrella patens* CAD21955 cyclin D protein/cyclin D
Ppa_CYCD11_2_1
Smo_CYCD11_1_1 Smo_CYCD11_7_1
Smo_CYCD11_6_1
Smo_CYCD11_2_1 Smo_CYCD11_3_1
AT2G22490 = NP_179835 P42752 CAA58286 AAD22352 CYCD2;1; cyclin-dependent protein kinase regulator/protein binding /CCND2_ARATH Cyclin delta-2/cyclin delta-2 /putative cyclin D
CAD43141 *Daucus carota* cyclin D2
NP_914752 *Oryza sativa* (japonica cultivar-group) BAC10182 putative D-type cyclin/putative D-type cyclin
XP_470819 *Oryza sativa* (japonica cultivar-group) AAR87269 putative cyclin/putative cyclin
AT5G65420 = NP_201345 BAB11564 CYCD4;1; cyclin-dependent protein kinase regulator/D-type cyclin
AT5G10440 = NP_196606 AAT06421 AAT47810 CYCD4;2; cyclin-dependent protein kinase/At5g10440 /At5g10440
AAL83926 *Zea mays* D-type cyclin
ABB36799 *Zea mays* D-type cyclin
AAQ08041 *Triticum aestivum* cyclin D2
BAD36091 *Oryza sativa* (japonica cultivar-group) putative D-type cyclin
CAA71244 *Chenopodium rubrum* cyclin-D like protein
AAS13370 *Glycine max* cyclin d2
CAA09852 *Nicotiana tabacum* cyclin D2.1 protein
AAV28532 *Saccharum officinarum* D-type cyclin
67 AAL83928 *Zea mays* D-type cyclin
XP_482973 *Oryza sativa* (japonica cultivar-group) BAD09749 putative D-type cyclin/putative D-type cyclin
XP_450928 *Oryza sativa* (japonica cultivar-group) BAB85522 BAD17511 cyclin/cyclin /cyclin
AAM77273 *Lagenaria siceraria* cyclin D.1 protein
CAA09853 *Nicotiana tabacum* cyclin D3.1 protein
CAB60837 *Lycopersicon esculentum* CycD3;2
95 BAA33153 *Pisum sativum* cyclin D
CAA61334 *Medicago sativa* CAB40540 cyclin/cyclin D3
AAS13371 *Glycine max* cyclin d3
BAA76478 *Nicotiana tabacum* NtCycD3-1
95 AT4G34160 = NP_195142 P42753 CAA17556 CAB80133 BAD95437 CYCD3;1; cyclin-dependent protein kinase regulator/CCND3_ARATH Cyclin delta-3/cyclin delta-3 /cyclin delta-3
AT5G67260 = NP_201527 BAB09645 AAL32723 AAM13253 AAM65082 CYCD3;2; cyclin-dependent protein kinase/cyclin D3-like protein /cyclin D3-like protein /cyclin D3-like protein /cyclin D3-like protein
AT3G5070 = NP_190576 CAB62115 AAK6569 AAL36079 AAM65041 CYCD3;3; cyclin-dependent protein kinase/cyclin D3-like protein /AT3g50070/F3A4_150 /AT3g50070/F3A4_150 /cyclin D3-like protein
AAQ19972 *Euphorbia esula* AAS48460 cyclin D3/cyclin D3-2
AAO72990 *Populus alba* cyclin D
AAO19973 *Euphorbia esula* cyclin D3-1
AAO54560 *Malus x domestica* cyclin D3
AAM77274 *Lagenaria siceraria* cyclin D3.2 protein
AAN87006 *Populus alba* AAO13248 *Populus tremula x Populus tremuloides* cyclin D/cyclin D
CAB61222 *Antirrhinum majus* cyclin D3a
BAE80324 *Camellia sinensis* cyclin D3-1
45 CAB60838 *Lycopersicon esculentum* CycD3;3
AAU47480 *Helianthus tuberosus* cyclin D3
99 AAK54466 *Helianthus annuus* cyclin D3
26 BAE06272 *Scutellaria baicalensis* cyclin D
CAB61223 *Antirrhinum majus* cyclin D3b
BAE80325 *Camellia sinensis* cyclin D3-2
94 CAB51788 *Lycopersicon esculentum* CAB60836 cyclin D3.1/CycD3.1
CAA09854 *Nicotiana tabacum* AAV41032 cyclin D3.2 protein/cyclin D-like protein
XP_450807 *Oryza sativa* (japonica cultivar-group) BAD25836 putative cyclin D1/putative cyclin D1
CAB61221 *Antirrhinum majus* cyclin D1
74 BAD37938 *Oryza sativa* (japonica cultivar-group) putative cyclin D1
35 XP_482449 *Oryza sativa* (japonica cultivar-group) BAC24951 BAC99455 putative cyclin D1/putative cyclin D1 /putative cyclin D1
14 AAL47479 *Helianthus tuberosus* cyclin D1
AT1G70210 = NP_177178 P42751 AAB61096 BAC41865 AAO63379 CYCD1;1; cyclin-dependent protein kinase regulator/CCND1_ARATH Cyclin delta-1 /Strong similarity to *Arabidopsis cyclin delta-1* (gb|ATCD1). EST gb|ATTs438 comes from this gene. /unknown protein
CAG06237 *Tetraodon nigroviridis* unnamed protein product
NP_727912 *Drosophila melanogaster* NP_727913 NP_523355 AAC47016 AAF48537 AAG13285 AAL39654 AAN09374 AAN09375 Cyclin D CG9096-PB, isoform B/Cyclin D CG9096-PC, isoform C /Cyclin D CG9096-PA, isoform A /Cyclin D CG9096-PC, isoform C /cyclin D /LD22957