FAH1 (At4g36220): global tree
File name:FAH1.mltree1.svg
261 aa residues 208 OTU included.
Result of 1 partial tree included. NP 922299.1 [Oryza sativa]
Assemble Job Id: Nl6frH, SelectN assemble Job Id: cVblHk(230)
Tree job id: KoB6Q4

Analyzed by ku-bo@nibb.ac.jp
Date: Wed Oct 18 10:42:56 JST 2006

CAC26936¦ ferulate-5-hydroxylase [Arabidopsis thaliana] (identical to At4g36220)
CAD37935.1¦ ferulate-5-hydroxylase [Arabidopsis thaliana] (identical to At4g36220)
CAD37925.1¦ ferulate-5-hydroxylase [Arabidopsis thaliana] (identical to At4g36220)
CAD37928.1¦ ferulate-5-hydroxylase [Arabidopsis thaliana] (identical to At4g36220)
AAK62343.2¦ elicitor-inducible cytochrome P450 [Nicotiana tabacum]
ABC59101.1¦ cytochrome P450 monooxygenase CYP84A [Medicago truncatula]
CAC26920.1¦ ferulate-5-hydroxylase [Arabidopsis lyrata subsp. petraea]

were removed from this tree.

AAT34974 *Verbena* x *hybrida* AAU00415 flavonoid 3',5'-hydroxylase/flavonoid 3',5'-hydroxylase
BAE72871 *Verbena* x *hybrida* flavonoid 3',5'-hdyroxylase
BAE72872 *Verbena* x *hybrida* flavonoid 3',5'-hdyroxylase
BAC10997 *Nierembergia* sp. *NB17* flavonoid 3',5'-hydroxylase
AAV85473 *Solanum tuberosum* flavonoid 3',5'-hydroxylase
AAV85470 *Solanum tuberosum* AAV85471 flavonoid 3',5'-hydroxylase/flavonoid 3',5'-hydroxylase
P37120 *Solanum melongena* CAA50155 C75A2_SOLME Flavonoid 3',5'-hydroxylase (F3'5'H) (Cytochrome P450 75A2) (CYPLXXVA2) (P-450EG1)/flavonoid hydroxylase (P450)
AAG49300 *Lycianthes rantonnei* flavonoid 3',5'-hydroxylase
2001426A *Petunia* x *hybrida* P48419 CAA80265 2001426A flavonoid 3',5'-hydroxylase/C75A3_PETHY Flavonoid 3',5'-hydroxylase 2 (F3'5'H) (Cytochrome P450 75A3) (CYPLXXVA3) /flavonoid 3',5'-hydroxylase
P48418 *Petunia* x *hybrida* 2001426B CAA80266 BAA03438 AAC32274 AAO91941 BAD99151 ABC74799 C75A1_PETHY Flavonoid 3',5'-hydroxylase 1 (F3'5'H) (Cytochrome P450 75A1) (CYPLXXVA1)/2001426B flavonoid 3',5'-hydroxylase /flavonoid 3',5'-hydroxylase /flavonoi
BAE86871 *Gentiana scabra* flavonoid 3',5'-hydroxylase
Q96581 *Gentiana triflora* BAA12735 C75A4_GENTR Flavonoid 3',5'-hydroxylase (F3'5'H) (Cytochrome P450 75A4)/flavonoid 3',5'-hydroxylase
Q96418 *Eustoma grandiflorum* AAB17562 C75A5_EUSGR Flavonoid 3',5'-hydroxylase (F3'5'H) (Cytochrome P450 75A5)/flavonoid 3'5'-hydroxylase
O04790 *Eustoma grandiflorum* BAA03439 BAD34460 C75A7_EUSGR Flavonoid 3',5'-hydroxylase (F3'5'H) (Cytochrome P450 75A7)/flavonoid 3',5'-hydroxylase /flavonoid 3',5'-hydroxylase
BAB20076 *Torenia hybrida* flavonoid 3',5'-hydroxylase
BAC97831 *Vinca major* Flavonoid 3',5'-hydroxylase
CAA09850 *Catharanthus roseus* flavonoid 3',5'-hydroxylase
ABC86841 *Vitis vinifera* flavonoid 3',5'-hydroxylase
CAI54277 *Vitis vinifera* flavonoid-3,5'-hydroxylase
ABC72066 *Vitis vinifera* flavonoid 3',5'-hydroxylase
ABC86840 *Vitis vinifera* flavonoid 3',5'-hydroxylase
AAP31058 *Gossypium hirsutum* flavonoid 3',5'-hydroxylase
BAE72870 *Clitoria ternatea* flavonoid 3',5'-hdyroxylase
AAM51564 *Glycine max* flavonoid 3', 5'-hydroxylase
O04773 *Campanula medium* BAA03440 C75A6_CAMME Flavonoid 3',5'-hydroxylase (F3'5'H) (Cytochrome P450 75A6)/flavonoid 3',5'-hydroxylase
AAX51796 *Delphinium grandiflorum* flavonoid 3'5'-hydroxylase
AAS48419 *Allium cepa* flavonoid 3'-hydroxylase
NP_920599 *Oryza sativa* (japonica cultivar-group) AAM74394 putative cytochrome 450/Putative cytochrome 450
AAV74194 *Sorghum bicolor* AAV74195 flavonoid 3'-hydroxylase/flavonoid 3'-hydroxylase
NP_920627 *Oryza sativa* (japonica cultivar-group) AAM00948 AAN04937 AAP52914 putative flavonoid 3'-hydroxylase/Putative flavonoid 3'-hydroxylase /Putative chalcone flavonoid 3' - hydroxylase /Cytochrome P450
AAG49315 *Pelargonium* x *hortorum* flavonoid 3'-hydroxylase
AT5G07990 = NP_196416 Q9SD85 CAB62611 AAF60189 AAF73253 AAG16745 AAG16746 TT7 (TRANSPARENT TESTA 7); flavonoid 3'-monooxygenase/oxygen binding /F3PH_ARATH Flavonoid 3'-monooxygenase (Flavonoid 3'-hydroxylase) (AtF3'H) (Cytochrome P450 75B1) (TRANSPA
AAG49301 *Matthiola incana* flavonoid 3'-hydroxylase
BAB83261 *Glycine max* AAO47846 AAO47847 BAD97828 flavonoid 3'-hydroxylase/flavonoid 3'-hydroxylase /flavonoid 3'-hydroxylase /flavonoid 3'- hydroxylase
BAE71221 *Trifolium pratense* putative flavonoid 3'-hydroxylase
BAB87838 *Torenia hybrida* flavonoid 3'-hydroxylase
BAE72874 *Verbena* x *hybrida* flavonoid 3'-hydroxylase
ABB53383 *Antirrhinum majus* flavonoid-3'-hydroxylase
BAB59005 *Perilla frutescens var. crispa* flavonoid 3'-hydroxylase
BAE47004 *Vitis vinifera* flavonoid 3'-hydroxylase
CAI54278 *Vitis vinifera* flavonoid-3'-hydroxylase
BAE47005 *Vitis vinifera* BAE47006 flavonoid 3'-hydroxylase/flavonoid 3'-hydroxylase
Q9SBQ9 *Petunia* x *hybrida* AAD56282 F3PH_PETHY Flavonoid 3'-monooxygenase (Flavonoid 3'-hydroxylase) (Cytochrome P450 75B2)/flavonoid 3'-hydroxylase
BAB87839 *Torenia hybrida* BAD91808 *Gentiana triflora* flavonoid 3'-hydroxalase/flavonoid 3'-hydroxylase
BAD00189 *Ipomoea tricolor* BAD00192 flavonoid 3'-hydroxylase/flavonoid 3'-hydroxylase
AAR00229 *Ipomoea purpurea* BAD00188 BAD00191 flavonoid 3'-hydroxylase/flavonoid 3'-hydroxylase /flavonoid 3'-hydroxylase
BAD00187 *Ipomoea nil* BAD00190 flavonoid 3'-hydroxylase/flavonoid 3'-hydroxylase
AAS46257 *Ipomoea quamoclit* flavonoid 3'-hydroxylase
ABB29899 *Osteospermum hybrid cultivar* flavonoid 3'-hydroxylase
ABB43031 *Osteospermum hybrid cultivar* flavonoid 3'5'-hydroxylase
AAG49299 *Callistephus chinensis* flavonoid 3',5'-hydroxylase
AAX19888 *Pericallis cruenta* flavonoid-3',5'-hydroxylase
ABB43030 *Pericallis cruenta* flavonoid 3'5'-hydroxylase
AAG49298 *Callistephus chinensis* putative flavonoid 3'-hydroxylase
ABA64468 *Gerbera hybrid cultivar* flavonoid 3'-hydroxylase
BAE72877 *Verbena* x *hybrida* cytochrome P450
AAQ05825 *Pastinaca sativa* cytochrome P450
CAB85635 *Vitis vinifera* putative ripening-related P-450 enzyme
NP_917091 *Oryza sativa* (japonica cultivar-group) putative flavonoid 3',5'-hydroxylase
AT4G12310 = NP_192968 CAB45978 CAB78274 AAS76776 CYP706A5; heme binding/iron ion binding /monooxygenase/oxygen binding /flavonoid 3', 5'-hydroxylase-like protein /flavonoid 3', 5'-hydroxylase-like protein /At4g12310
AAU05534 *Arabidopsis thaliana* **At4g12320**
AT4G12300 = NP_192967 CAB45977 CAB78273 BAC43375 AAO63874 CYP706A4; heme binding/iron ion binding /monooxygenase/oxygen binding /flavonoid 3', 5'-hydroxylase-like protein /flavonoid 3', 5'-hydroxylase-like protein /putative flavonoid 3',5'-hydroxyla
BAD16679 *Muscari armeniacum* BAD16680 cytochrome P450/cytochrome P450
BAD06417 *Asparagus officinalis* cytochrome P450
O81970 *Glycine max* CAA71513 C71A9_SOYBN Cytochrome P450 71A9 (P450 CP1)/putative cytochrome P450
AT4G13770 = NP_193113 P48421 AAA79982 AAB71623 BAA28532 CAB36841 CAB78419 AAL16238 AAL77703 AAM26713 CYP83A1 (CYTOCHROME P450 83A1); oxygen binding/C83A1_ARATH Cytochrome P450 83A1 (CYPLXXXIII)/cytochrome p450 dependent monooxygenase/cytochrome P450
AT4G31500 = NP_194878 O65782 BAA28531 CAB45909 CAB79868 AAM61746 AAN86166 CYP83B1 (CYTOCHROME P450 MONOOXYGENASE 83B1); oxygen binding/C83B1_ARATH Cytochrome P450 83B1/cytochrome P450 monooxygenase /cytochrome P450 monooxygenase /cytochrome P450 mon
ABC59083 *Medicago truncatula* cytochrome P450 monooxygenase CYP83B
ABC59082 *Medicago truncatula* cytochrome P450 monooxygenase CYP83C
ABC68397 *Glycine max* cytochrome P450 monooxygenase CYP83A
AAL38986 *Musa acuminata* AAL38987 cytochrome P450-3/cytochrome P450-1
BAB40323 *Asparagus officinalis* cytochrome P450
BAB40324 *Asparagus officinalis* cytochrome P450
NP_910063 *Oryza sativa* (japonica cultivar-group) AAO20056 AAO37955 putative cytochrome P450/putative cytochrome P450 protein /putative cytochrome P450
O48958 *Sorghum bicolor* AAC39318 C71E1_SORBI Cytochrome P450 71E1 (4-hydroxyphenylacetaldehyde oxime monooxygenase)/cytochrome P450 CYP71E1
BAA28535 *Arabidopsis thaliana* **cytochrome P450 monooxygenase**
AT3G26280 = NP_189259 O65786 BAB02451 AAL90915 AAN31105 CYP71B4; heme binding/iron ion binding /monooxygenase/oxygen binding /C71B4_ARATH Cytochrome P450 71B4/cytochrome P450 /AT3g26280/MTC11_19 /At3g26280/MTC11_19
AT3G26190 = NP_189250 Q9LTM2 BAB02440 CYP71B21; heme binding/iron ion binding /monooxygenase/oxygen binding /C71BL_ARATH Cytochrome P450 71B21/cytochrome P450
AT3G26200 = NP_189251 Q9LTM1 BAB02441 AAK25981 AAK64138 CYP71B22; heme binding/iron ion binding /monooxygenase/oxygen binding /C71BM_ARATH Cytochrome P450 71B22/cytochrome P450 /putative cytochrome P450 protein /putative cytochrome P450 protein
AT1G13110 = NP_172770 Q96514 CAA66458 AAD31064 AAL58941 AAO64744 CYP71B7; heme binding/iron ion binding /monooxygenase/oxygen binding /C71B7_ARATH Cytochrome P450 71B7/cytochrome P450 /Identical to gb|X97864 cytochrome P450 from Arabidopsis thaliana
AT3G26210 = NP_189252 Q9LTM0 BAB02442 AAT85757 CYP71B23; heme binding/iron ion binding /monooxygenase/oxygen binding /C71BN_ARATH Cytochrome P450 71B23/cytochrome P450 /At3g26210
Q9SAE1 *Arabidopsis thaliana* **C71BR_ARATH Cytochrome P450 71B27**
BAA28537 *Arabidopsis thaliana* **cytochrome P450 monooxygenase**
AT1G13080 = NP_172767 O65788 AAD31061 AAO41864 CYP71B2 (CYTOCHROME P450 71B2); heme binding/iron ion binding /monooxygenase/oxygen binding /C71B2_ARATH Cytochrome P450 71B2/Identical to gb|D78605 cytochrome P450 monooxygenase from Arabidopsis thalia
AAL24049 *Citrus sinensis* cytochrome P450
AT5G57260 = NP_200536 Q9LVD2 BAA96949 AAO42072 CYP71B10; heme binding/iron ion binding /monooxygenase/oxygen binding /C71BA_ARATH Cytochrome P450 71B10/cytochrome P450 /putative cytochrome p450
AAL59946 *Arabidopsis thaliana* **putative cytochrome P450 protein**
AT2G02580 = NP_178362 O64718 T00605 AAC18928 AAX12868 CYP71B9; heme binding/iron ion binding /monooxygenase/oxygen binding /C71B9_ARATH Cytochrome P450 71B9/T00605 probable cytochrome P450 At2g02580 /putative cytochrome P450 /At2g02580
AT3G26330 = NP_189264 Q9LIP3 BAB02193 CYP71B37; heme binding/iron ion binding /monooxygenase/oxygen binding /C71BY_ARATH Cytochrome P450 71B37/cytochrome p450
AT3G26320 = NP_189263 Q9LIP4 BAB02192 CYP71B36; heme binding/iron ion binding /monooxygenase/oxygen binding /C71BX_ARATH Cytochrome P450 71B36/cytochrome P450
AT3G26290 = NP_189260 Q9LTL0 BAB02452 AAM91596 AAP68310 CYP71B26; heme binding/iron ion binding /monooxygenase/oxygen binding /C71BQ_ARATH Cytochrome P450 71B26/cytochrome P450 /cytochrome P450, putative /At3g26290
AT3G26300 = NP_189261 Q9LIP6 BAB02190 CYP71B34; heme binding/iron ion binding /monooxygenase/oxygen binding /C71BV_ARATH Cytochrome P450 71B34/cytochrome P450
AT3G26310 = NP_189262 Q9LIP5 BAB02191 AAS49117 CYP71B35; heme binding/iron ion binding /monooxygenase/oxygen binding /C71BW_ARATH Cytochrome P450 71B35/cytochrome P450 /At3g26310
AT3G48280 = NP_680107 Q9STK8 CAB41170 CYP71A25; heme binding/iron ion binding /monooxygenase/oxygen binding /C71AP_ARATH Cytochrome P450 71A25/Cytochrome P450-like protein
AT3G48290 = NP_680108 Q9STK9 CYP71A24; heme binding/iron ion binding /monooxygenase/oxygen binding /C71AO_ARATH Cytochrome P450 71A24
AT3G48270 = NP_680106 Q9STK7 CAB41171 CYP71A26; heme binding/iron ion binding /monooxygenase/oxygen binding /C71AQ_ARATH Cytochrome P450 71A26/cytochrome P450-like protein
AT3G48310 = NP_680110 Q9STL1 CAB41167 AAM20137 AAM91788 CYP71A22; heme binding/iron ion binding /monooxygenase/oxygen binding /C71AM_ARATH Cytochrome P450 71A22/cytochrome P450-like protein /unknown protein /unknown protein
AT3G48320 = NP_680111 Q9STL2 CAB41166 CYP71A21; heme binding/iron ion binding /monooxygenase/oxygen binding /C71AL_ARATH Cytochrome P450 71A21/cytochrome P450-like protein
Q42716 *Mentha* x *piperita* CAA83941 C71A8_MENPI Cytochrome P450 71A8/cytochrome P-450 oxidase
P37117 *Solanum melongena* CAA50312 C71A4_SOLME Cytochrome P450 71A4 (CYPLXXIA4) (P-450EG2)/P450 hydroxylase
P37118 *Solanum melongena* CAA50645 BAA03635 C71A2_SOLME Cytochrome P450 71A2 (CYPLXXIA2) (P-450EG4)/P450 hydroxylase /Cytochrome P-450EG4
AAT06911 *Ammi majus* cytochrome P450
AAL06397 *Mentha* x *piperita* menthofuran synthase
O04164 *Nepeta racemosa* CAA70576 C71A6_NEPRA Cytochrome P450 71A6/cytochrome P450
CAA70575 *Nepeta racemosa* cytochrome P450
AAB94584 *Glycine max* CYP71A10
T52256 *Persea americana* P24465 AAA32913 T52256 cytochrome P-450LXXIA1/C71A1_PERAE Cytochrome P450 71A1 (CYPLXXIA1) (ARP-2)/cytochrome P-450LXXIA1 (cyp71A1)
O48957 *Sorghum bicolor* AAC39317 C99A1_SORBI Cytochrome P450 CYP99A1/cytochrome P450 CYP99A1
NP_909721 *Oryza sativa* (japonica cultivar-group) AAO38017 putative cytochrome P450/putative cytochrome P450
NP_909846 *Oryza sativa* (japonica cultivar-group) AAO38022 putative cytochrome P450/putative cytochrome P450
XP_464360 *Oryza sativa* (japonica cultivar-group) BAD15430 putative cytochrome P450/putative cytochrome P450
XP_464368 *Oryza sativa* (japonica cultivar-group) BAD15438 putative cytochrome P450/putative cytochrome P450
XP_464364 *Oryza sativa* (japonica cultivar-group) BAD15434 putative cytochrome P450/putative cytochrome P450
ABA99621 *Oryza sativa* (japonica cultivar-group) cytochrome P450, putative
CAB56503 *Catharanthus roseus* cytochrome P450
O22307 *Lotus japonicus* AAB69644 C71DB_LOTJA Cytochrome P450 71D11/putative cytochrome P450
O81971 *Glycine max* CAA71514 C71D9_SOYBN Cytochrome P450 71D9 (P450 CP3)/putative cytochrome P450
AAS92622 *Centaurium erythraea* cytochrome P450
ABC59080 *Medicago truncatula* cytochrome P450 monooxygenase CYP71A
O48923 *Glycine max* AAB94588 C71DA_SOYBN Cytochrome P450 71D10/CYP71D10p
ABC41927 *Artemisia annua* amorpha-4,11-diene monooxygenase
O81974 *Glycine max* CAA71517 C71D8_SOYBN Cytochrome P450 71D8 (P450 CP7)/putative cytochrome P450
AAO32822 *Catharanthus roseus* cytochrome P450 71D1
AAD44151 *Mentha* x *piperita* cytochrome p450 isoform PM17
AAD44152 *Mentha* x *piperita* cytochrome p450 isoform PM2
AAQ18708 *Mentha* x *gracilis* limonene-3-hydroxylase
AAT39473 *Mentha spicata* limonene-3-hydroxylase
AAQ18707 *Mentha* x *gracilis* cytochrome P450
AAD44150 *Mentha spicata* AAQ18706 *Mentha* x *gracilis* cytochrome p450/limonene-6-hydroxylase
BAC53923 *Petunia* x *hybrida* cytochrome P450
AAF27282 *Capsicum annuum* cytochrome P450
AAK62342 *Nicotiana tabacum* elicitor-inducible cytochrome P450
P93530 *Solanum chacoense* AAB61964 C71D6_SOLCH Cytochrome P450 71D6/putative cytochrome P450
P93531 *Solanum chacoense* AAB61965 C71D7_SOLCH Cytochrome P450 71D7/putative cytochrome P450
AAD47832 *Nicotiana tabacum* cytochrome P450
CAC24711 *Solanum tuberosum* cytochrome P450
AAO17011 *Oryza sativa* (japonica cultivar-group) Hypothetical protein
CAB65335 *Populus trichocarpa* ferulate-5-hydroxylase
AAW50817 *Broussonetia papyrifera* AAW50818 ferulate-5-hydroxylase/ferulate-5-hydroxylase
AAD48912 *Liquidambar styraciflua* aldehyde 5-hydroxylase
AAD37433 *Lycopersicon esculentum* x *Lycopersicon peruvianum* ferulate-5-hydroxylase
AAS92625 *Centaurium erythraea* coniferylalcohol 5-hydroxylase
AAT39511 *Camptotheca acuminata* ferulate 5-hydroxylase
ABB02161 *Medicago sativa* ferulate 5-hydroxylase
ABB02162 *Medicago sativa* ferulate 5-hydroxylase
ABC68398 *Glycine max* cytochrome P450 monooxygenase CYP84A
AT5G04330 = NP_196053 AAF78943 heme binding/iron ion binding /monooxygenase/oxygen binding /ferulate-5-hydroxylase; coniferyl aldehyde-5-hydoxylase; CYP84; F5H; fah; CAld5H
AAG14963 *Brassica napus* cytochrome p450-dependent monooxygenase
AAG14962 *Brassica napus* cytochrome p450-dependent monooxygenase
AAG14961 *Brassica napus* cytochrome p450-dependent monooxygenase
CAE47054 *Arabidopsis lyrata subsp. petraea* ferulate-5-hydroxylase
CAE47057 *Arabidopsis lyrata subsp. petraea* ferulate-5-hydroxylase
CAE47051 *Arabidopsis lyrata subsp. petraea* CAE47059 CAE47060 ferulate-5-hydroxylase/ferulate-5-hydroxylase /ferulate-5-hydroxylase
CAE47052 *Arabidopsis lyrata subsp. petraea* CAE47053 CAE47055 CAE47056 CAE47058 ferulate-5-hydroxylase/ferulate-5-hydroxylase /ferulate-5-hydroxylase /ferulate-5-hydroxylase /ferulate-5-hydroxylase
CAE47043 *Arabidopsis halleri subsp. halleri* CAE47044 CAE47045 CAE47046 CAE47047 CAE47048 CAE47049 CAE47050 ferulate-5-hydroxylase/ferulate-5-hydroxylase /ferulate-5-hydroxylase /ferulate-5-hydroxylase /ferulate-5-hydroxylase /ferulate-5-hydroxylase /
CAC26936 *Arabidopsis thaliana* **CAC26937 CAC26938 CAC26939 CAC26940 CAC26941 ferulate-5-hydroxylase/ferulate-5-hydroxylase /ferulate-5-hydroxylase /ferulate-5-hydroxylase /ferulate-5-hydroxylase**
AT4G36220 = NP_195345 Q42600 AAC49389 CAA18128 AAD11580 CAB80293 CAC26922 CAC26923 CAC26924 CAC26925 CAC26926 CAC26927 CAC26928 CAC26929 CAC26930 CAC26931 CAC26932 CAC26933 CAC26934 CAC26935 FAH1 (FERULATE-5-HYDROXYLASE 1); ferulate 5-hydroxylase/C8
AAX07433 *Pinus taeda* cytochrome P450 CYPC
Ppa_F5H1_45_1
Ppa_F5H1_1_1
Ppa_F5H1_34_1
AT1G01280 = NP_171635 AAF97323 AAY25435 CYP703A2; heme binding/iron ion binding /monooxygenase/oxygen binding /Putative cytochrome P450 /At1g01280
BAA92894 *Petunia* x *hybrida* cytochrome P450
XP_479935 *Oryza sativa* (japonica cultivar-group) BAD09645 BAD33366 putative cytochrome P450 protein/putative cytochrome P450 protein /putative cytochrome P450 protein
AAL73540 *Sorghum bicolor* putative cytochrome P450 family
BAD15331 *Panax ginseng* cytochrome P450
AAL66194 *Pyrus communis* cytochrome P450
AT5G06900 = NP_196307 BAB11147 CYP93D1; heme binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450
BAA84072 *Torenia hybrida* cytochrome P450
BAA84071 *Antirrhinum majus* cytochrome P450
BAB59004 *Perilla frutescens var. crispa* flavone synthase II
AAD39549 *Gerbera hybrid cultivar* flavone synthase II
AAF04115 *Callistephus chinensis* flavone synthase II
BAD35561 *Oryza sativa* (japonica cultivar-group) putative cytochrome P450
AAD38930 *Glycine max* cytochrome P450 monooxygenaseCYP93D1
ABC59085 *Medicago truncatula* cytochrome P450 monooxygenase CYP93A
Q42799 *Glycine max* BAA13076 C93A2_SOYBN Cytochrome P450 93A2/cytochrome P-450 (CYP93A2)
Q42798 *Glycine max* 2209281A BAA12159 C93A1_SOYBN Cytochrome P450 93A1/2209281A cytochrome P450 /Cytochrome P-450 (CYP93A1)
O81973 *Glycine max* CAA71516 C93A3_SOYBN Cytochrome P450 93A3 (P450 CP5)/putative cytochrome P450
XP_469015 *Oryza sativa* (japonica cultivar-group) AAX95529 putative cytochrome P450/Putative cytochrome P450
XP_465852 *Oryza sativa* (japonica cultivar-group) BAD23209 BAD22905 putative cytochrome P450 monooxygenase/putative cytochrome P450 monooxygenase /putative cytochrome P450 monooxygenase
BAD38500 *Oryza sativa* (japonica cultivar-group) putative elicitor-inducible cytochrome P450
AAL66767 *Zea mays* cytochrome P450 monooxygenase CYP92A1
BAD36157 *Oryza sativa* (japonica cultivar-group) putative cytochrome P450 monooxygenase CYP92A1
XP_482757 *Oryza sativa* (japonica cultivar-group) BAD10411 putative elicitor-inducible cytochrome P450/putative elicitor-inducible cytochrome P450
AAG44132 *Pisum sativum* cytochrome P450
ABC59081 *Medicago truncatula* cytochrome P450 monooxygenase CYP75A
ABA01477 *Gossypium hirsutum* cytochrome P450 DDWF1
CAA65580 *Nicotiana tabacum* cytochrome P450
CAA64635 *Nicotiana tabacum* cytochrome P450
AAK62346 *Nicotiana tabacum* elicitor-inducible cytochrome P450
BAD36161 *Oryza sativa* (japonica cultivar-group) BAD38066 putative elicitor-inducible cytochrome P450/putative elicitor-inducible cytochrome P450
BAD36163 *Oryza sativa* (japonica cultivar-group) BAD38068 putative elicitor-inducible cytochrome P450/putative elicitor-inducible cytochrome P450
BAD36162 *Oryza sativa* (japonica cultivar-group) BAD38067 putative elicitor-inducible cytochrome P450/putative elicitor-inducible cytochrome P450
Smo_F5H1_159_1
Smo_F5H1_4_1
Smo_F5H1_198_1
Smo_F5H1_170_1
Smo_F5H1_16_2
Smo_F5H1_186_1
Smo_F5H1_70_1
Smo_F5H1_49_1
Smo_F5H1_177_1
Smo_F5H1_183_1
Smo_F5H1_196_1
Ppa_F5H1_6_1
Ppa_F5H1_66_1
Ppa_F5H1_28_1

10.000