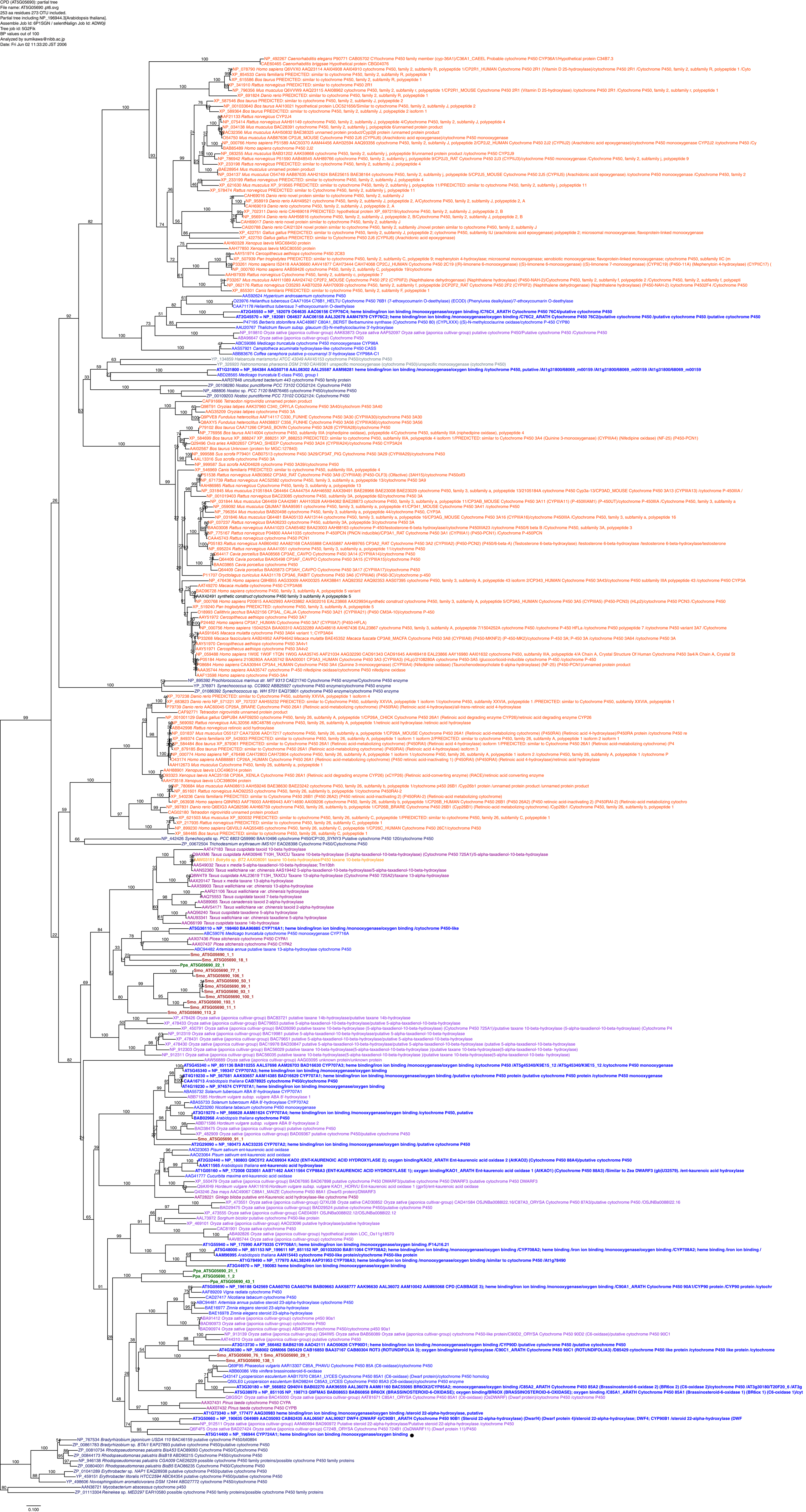
CPD (AT5G05690): partial tree
File name: AT5G05690_pt6.svg
253 aa residues 273 OTU included.
Partial tree including NP_196944.3[Arabidopsis thaliana].
Assemble Job Id: 6P1SGN / selentNaijin Job Id: ADW0jl
Tree job id: 5G2Fik
BP values out of 100
Analyzed by sumikawa@nibb.ac.jp
Date: Fri Jun 02 11:33:20 JST 2006


NP_492267 Caenorhabditis elegans P90771 CAB05702 CYtochrome P450 family member (cyp-36A1)/C36A1_CAEEL Probable cytochrome P450 CYP36A1/Hypothetical protein C34B7.3
CAE60465 Caenorhabditis briggsae Hypothetical protein CBG04076
NP_078790 Homo sapiens Q6VVX0 AAQ23114 AAI04908 AAI04910 cytochrome P450, family 2, subfamily R, polypeptide 1/CP2R1_HUMAN Cytochrome P450 2R1 (Vitamin D 25-hydroxylase)/cytochrome P450 2R1 /Cytochrome P450, family 2, subfamily R, polypeptide 1 /Cyto
XP_854533 Canis familiaris PREDICTED: similar to cytochrome P450, family 2, subfamily R, polypeptide 1
XP_615586 Bos taurus PREDICTED: similar to cytochrome P450, family 2, subfamily R, polypeptide 1
NP_341910 Rattus norvegicus PREDICTED: similar to cytochrome P450 2R1
NP_796356 Mus musculus Q6VVW9 AAQ23115 AAI08962 cytochrome P450, family 2, subfamily r, polypeptide 1/CP2R1_MOUSE Cytochrome P450 2R1 (Vitamin D 25-hydroxylase) /cytochrome P450 2R1 /Cytochrome P450, family 2, subfamily r, polypeptide 1
XP_691624 Danio rerio PREDICTED: similar to cytochrome P450, family 2, subfamily R, polypeptide 1
XP_587546 Bos taurus PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 2
NP_001033640 Bos taurus AAI10021 hypothetical protein LOC521656/Similar to cytochrome P450, family 2, subfamily J, polypeptide 2
XP_589364 Bos taurus PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 2 isoform 1
AAF21133 Rattus norvegicus CYP2J4
NP_075414 Rattus norvegicus AAH91149 cytochrome P450, family 2, subfamily J, polypeptide 4/Cytochrome P450, family 2, subfamily J, polypeptide 4
NP_034138 Mus musculus BAC28391 cytochrome P450, family 2, subfamily j, polypeptide 6/unnamed protein product
BAC33256 Mus musculus AAH50832 BAE38325 unnamed protein product/Cyp2j6 protein /unnamed protein product
Q54750 Mus musculus AAB87695 CPJ6_MOUSE Cytochrome P450 2J6 (CYP1J6) (Arachidonic acid epoxygenase)/cytochrome P450 monooxygenase
NP_000766 Homo sapiens P51589 AAC50370 AAM44456 AAH32594 AAQ93356 cytochrome P450, family 2, subfamily J, polypeptide 2/CP2J2_HUMAN Cytochrome P450 2J2 (CYP1J2) (Arachidonic acid epoxygenase)/cytochrome P450 monooxygenase CYP2J2 /cytochrome P450 /Cy
BAB85489 Homo sapiens cytochrome P450 2J2
NP_083255 Mus musculus BAB31202 AAK59868 cytochrome P450, family 2, subfamily J, polypeptide 9/unnamed protein product /cytochrome P450 CYP2J9
NP_786942 Rattus norvegicus P51590 AAB48545 AAH89766 cytochrome P450, family 2, subfamily j, polypeptide 9/CP2J3_RAT Cytochrome P450 2J3 (CYP1IJ3)/cytochrome P450 monooxygenase /Cytochrome P450, family 2, subfamily j, polypeptide 9
XP_233198 Rattus norvegicus PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 4
BAE28954 Mus musculus unnamed protein product
NP_034137 Mus musculus O54749 AAB87635 AAH21624 BAE25615 BAE38164 cytochrome P450, family 2, subfamily j, polypeptide 5/CP2J5_MOUSE Cytochrome P450 2J5 (CYPIIJ5) (Arachidonic acid epoxygenase) /cytochrome P450 monooxygenase /Cytochrome P450, family 2
XP_621630 Mus musculus XP_919565 PREDICTED: similar to cytochrome P450, family 2, subfamily j, polypeptide 11/PREDICTED: similar to cytochrome P450, family 2, subfamily j, polypeptide 11
XP_578474 Rattus norvegicus PREDICTED: similar to cytochrome P450, family 2, subfamily j, polypeptide 11
CAH69016 Danio rerio novel protein similar to cytochrome P450, family 2, subfamily J
NP_958919 Danio rerio AAH49521 cytochrome P450, family 2, subfamily J, polypeptide 2, A/Cytochrome P450, family 2, subfamily J, polypeptide 2, A
CAH69019 Danio rerio cytochrome P450, family 2, subfamily J, polypeptide 2, A
XP_702311 Danio rerio CAH69018 PREDICTED: hypothetical protein XP_697219/cytochrome P450, family 2, subfamily J, polypeptide 2, B
NP_956914 Danio rerio AAH56816 cytochrome P450, family 2, subfamily J, polypeptide 2, B/Cytochrome P450, family 2, subfamily J, polypeptide 2, B
CAH69017 Danio rerio novel protein similar to cytochrome P450, family 2, subfamily J
CAD20788 Danio rerio CAI21324 novel protein similar to cytochrome P450, family 2, subfamily J/novel protein similar to cytochrome P450, family 2, subfamily J
XP_422751 Gallus gallus PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 2; cytochrome P450, subfamily IIJ (arachidonic acid epoxygenase) polypeptide 2; microsomal monooxygenase; flavoprotein-linked monooxygenase
XP_422750 Gallus gallus PREDICTED: similar to Cytochrome P450 2J6 (CYPIIJ6) (Arachidonic acid epoxygenase)
AAH60328 Xenopus laevis MGC68450 protein
AAH77850 Xenopus laevis MGC80550 protein
AAY51974 Cercopithecus aethiops cytochrome P450 2C83
XP_507939 Pan troglodytes PREDICTED: similar to cytochrome P450, family 2, subfamily C, polypeptide 9; mephenytoin 4-hydroxylase; microsomal monooxygenase; xenobiotic monooxygenase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily IIC (m
P33261 Homo sapiens I52418 AAA36660 AAV41877 CAH73444 CAH74068 CP2CJ_HUMAN Cytochrome P450 2C19 ((R)-limonene 6-monooxygenase) ((S)-limonene 6-monooxygenase) ((S)-limonene 7-monooxygenase) (CYPIIC19) (P450-11A) (Mephenytoin 4-hydroxylase) (CYPIIC17) (
NP_000760 Homo sapiens AAB59426 cytochrome P450, family 2, subfamily C, polypeptide 18/cytochrome
AAH97939 Rattus norvegicus Cytochrome P450, family 2, subfamily c, polypeptide 7
P33267 Mus musculus AAH11089 AAH24742 CP2F2_MOUSE Cytochrome P450 2F2 (CYPIIF2) (Naphthalene dehydrogenase) (Naphthalene hydroxylase) (P450-NAH-2)/Cytochrome P450, family 2, subfamily f, polypept
NP_062176 Rattus norvegicus O35293 AAB70259 AAH70939 cytochrome P450, family 2, subfamily f, polypeptide 2/CP2F2_RAT Cytochrome P450 2F2 (CYPIIF2) (Naphthalene dehydrogenase) (Naphthalene hydroxylase) (P450-NAH-2) /cytochrome P450ZF4 /Cytochrome P450
NP_855301 Canis familiaris PREDICTED: similar to cytochrome P450, family 2, subfamily F, polypeptide 1
AAS92624 Hypericum androsaemum cytochrome P450
Q23976 Helianthus tuberosus CAA71054 C76B1_HELTU Cytochrome P450 76B1 (7-ethoxycoumarin O-deethylase) (ECOD) (Phenylurea dealkylase)/7-ethoxycoumarin O-deethylase
CAA71178 Helianthus tuberosus 7-ethoxycoumarin O-deethylase
ATG2 45550 = NP_ 182079 Q94635 AAC06156 CYP76C4; heme binding/iron ion binding /monooxygenase/oxygen binding /C76C4_ARATH Cytochrome P450 76C4/putative cytochrome P450
At2G45570 = NP_182081 O64637 AAC06158 AAL32678 AAM47979 CYP76C2; heme binding/iron ion binding /monooxygenase/oxygen binding /C76C2_ARATH Cytochrome P450 76C2/putative cytochrome P450 /putative cytochrome P450
P47195 Berberis stolonifera AAC48987 C80A1_BERST Berbamunine synthase (Cytochrome P450 80) (CYPLXXX) ((S)-N-methylcoclaurine oxidase/cytochrome P-450 CYP80
AAU20767 Thalictrum flavum subsp. glaucum (S)-N-methylcoclaurine 3'-hydroxylase
NP_919810 Oryza sativa (japonica cultivar-group) AAK63873 Oryza sativa AAP52097 Oryza sativa (japonica cultivar-group) putative cytochrome P450/Putative cytochrome P450 /Cytochrome P450
ABA96647 Oryza sativa (japonica cultivar-group) Cytochrome P450
ABC59086 Medicago truncatula cytochrome P450 monooxygenase CYP98A
AAS57921 Camptotheca acuminata hydroxylase-like cytochrome P450 CASS
ABB83676 Coffea canephora putative p-coumaroyl 3'-hydroxylase CYP98A-C1
YP_134859 Haloarcula marismortui ATCC 43049 AAV45153 cytochrome P450/cytochrome P450
YP_326920 Natronomonas pharaonis DSM 2160 CAI49361 unspecific monooxygenase (cytochrome P450)/unspecific monooxygenase (cytochrome P450)
ATTG31800 = NP_ 849418 AAL88302 AAL35587 AAM98281 heme binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450, putative /At1g31800/68069_m00159 /At1g31800/68069_m00159 /At1g31800/68069_m00159
ABD28565 Medicago truncatula E-class P450, group I
AAR37848 uncultured bacterium 443 cytochrome P450 family protein
ZP_00108280 Nostoc punctiforme PCC 73102 COG2124: Cytochrome P450
NP_488806 Nostoc sp. PCC 7120 BAB76465 cytochrome P450/cytochrome P450
ZP_00109203 Nostoc punctiforme PCC 73102 COG2124: Cytochrome P450
CAF91566 Tetraodon nigroviridis unnamed protein product
Q98791 Oryzias latipes AAK37960 C340_ORYLA Cytochrome P450 3A40/cytochrom P450 3A40
AAG35209 Oryzias latipes cytochrome P450 3A
Q9PVE8 Fundulus heteroclitus AAF14117 C330_FUNHE Cytochrome P450 3A30 (CYPIIIA30)/cytochrome P450 3A30
Q9AXY5 Fundulus heteroclitus AAN38837 C356_FUNHE Cytochrome P450 3A56 (CYPIIIA56)/cytochrome P450 3A56
P79102 Bos taurus CAA71266 CP3A5_BOVIN Cytochrome P450 3A26 (CYPIIIA26)/cytochrome P450
NP_776956 Bos taurus AAI14004 cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 4
XP_584699 Bos taurus XP_888247 XP_888251 XP_888253 PREDICTED: similar to cytochrome P450, subfamily IIIA, polypeptide 4 isoform 1/PREDICTED: similar to Cytochrome P450 3A4 (Quinine 3-monooxygenase) (CYPIIIA4) (Nifedipine oxidase) (NF-25) (P450-PCN1)
Q29496 Ovis aries AAB02657 CP3AO_SHEEP Cytochrome P450 3A24 (CYPIIIA24)/cytochrome P450 CYP3A24
AAI02567 Bos taurus Unknown (protein for MGC:127840)
NP_999588 Sus scrofa P79401 CAB07513 cytochrome P450 3A29/CP3AT_PIG Cytochrome P450 3A29 (CYPIIIA29)/cytochrome P450
CAL13316 Sus scrofa cytochrome P450 3A
NP_999587 Sus scrofa AAD04628 cytochrome P450 3A39/cytochrome P450
XP_546969 Canis familiaris PREDICTED: similar to cytochrome P450, subfamily IIIA, polypeptide 4
P37138 Rattus norvegicus AAB03662 CP3A9_RAT Cytochrome P450 3A9 (CYPIIIA9) (P450-CLF3) (Olfactive) (3AH15)/cytochrome P450olf3
NP_671739 Rattus norvegicus AAC52582 cytochrome P450, family 3, subfamily a, polypeptide 13/cytochrome P450 3A9
AAH86985 Rattus norvegicus Cytochrome P450, family 3, subfamily a, polypeptide 13
NP_031845 Mus musculus Q14454 CAA41754 AAH46592 AAK30391 BAE28866 BAE23008 BAE23029 cytochrome P450, family 3, subfamily a, polypeptide 13/21051844 cytochrome P450 Cyp3a-13/CP3AD_MOUSE Cytochrome P450 3A13 (CYPIIIA13) /cytochrome P-450IIIA /
NP_001019403 Rattus norvegicus BAC23085 cytochrome P450, subfamily 3A, polypeptide 62/cytochrome P450 3A
NP_031844 Mus musculus Q64459 CAA42981 AAH10528 AAH94062 BAE28873 cytochrome P450, family 3, subfamily a, polypeptide 11/CP3AB_MOUSE Cytochrome P450 3A11 (CYPIIIA11) (P-450IIIAM1) (P-450UT)/cytochrome P-450IIIA /Cytochrome P450, family 3, subfamily a
NP_059092 Mus musculus CAA73447 BAA95951 cytochrome P450, family 3, subfamily a, polypeptide 41/CP3A1_MOUSE Cytochrome P450 3A41 /cytochrome P450
NP_796354 Mus musculus BAB20498 cytochrome P450, family 3, subfamily a, polypeptide 44/cytochrome P450, CYP3A
NP_031846 Mus musculus Q64481 BAA05133 AAI13145 cytochrome P450, family 3, subfamily a, polypeptide 16/CP3AG_MOUSE Cytochrome P450 3A16 (CYPIIIA16)/cytochrome P450IIIA /Cytochrome P450, family 3, subfamily a, polypeptide 16
NP_037237 Rattus norvegicus BAA06233 cytochrome P450, subfamily 3A, polypeptide 3/cytochrome P450 3A
BAA03008 Rattus norvegicus AAA41023 CAA65482 BAA23003 AAH88163 cytochrome P-450/testosterone-6 beta hydroxylase/cytochrome P450IIIA23 (cytochrome P450/6 beta 8 /Cytochrome P450, subfamily 3A, polypeptide 3
NP_775167 Rattus norvegicus P04800 AAA41035 cytochrome P-450PCN (PNCN inducible)/CP3A1_RAT Cytochrome P450 3A1 (CYPIIIA1) (P450-PCN1) /Cytochrome P-450PCN
CAA45743 Rattus norvegicus cytochrome P450 PCN1
P05183 Rattus norvegicus AAB60492 AAA82168 CAA55888 CAA55887 AAH89765 CP3A2_RAT Cytochrome P450 3A2 (CYPIIIA2) (P450-PCN2) (P450/6-beta-A) (Testosterone 6-beta-hydroxylase) /testosterone 6-beta-hydroxylase /testosterone 6-beta-hydroxylase/testosterone
NP_695224 Rattus norvegicus AAA41051 cytochrome P450, family 3, subfamily a, polypeptide 11/cytochrome P450
Q64417 Cavia porcellus BAA08568 CP3AE_CAVPO Cytochrome P450 3A14 (CYPIIIA14)/cytochrome P450
Q64406 Cavia porcellus BAA05498 CP3AF_CAVPO Cytochrome P450 3A15 (CYPIIIA15)/cytochrome P450
BAA03865 Cavia porcellus cytochrome P450
Q64409 Cavia porcellus BAA05873 CP3AH_CAVPO Cytochrome P450 3A17 (CYPIIIA17)/cytochrome P450
P11707 Oryctolagus cuniculus AAA31178 CP3A6_RABIT Cytochrome P450 3A6 (CYPIIIA6) (P450-3C)/cytochrome p-450
NP_476436 Homo sapiens Q9HB55 AAG33009 AAK00325 AAK00326 AAQ92352 AAS07395 cytochrome P450, family 3, subfamily A, polypeptide 43 isoform 2/CP343_HUMAN Cytochrome P450 3A43/cytochrome P450 subfamily IIIA polypeptide 43 variant/cytochrome P450 CYP3A
AAT49270 Macaca mulatta cytochrome P450 CYP3A66
NP_476437 Homo sapiens cytochrome P450, family 3, subfamily A, polypeptide 5 variant
BAX42491 synthetic construct cytochrome P450 family 3 subfamily A polypeptide 5
NP_000768 Homo sapiens P20815 AAA02993 AAH33862 AAS02016 EAL23868 AAX29934 synthetic construct cytochrome P450, family 3, subfamily a, polypeptide 5/CP3A5_HUMAN Cytochrome P450 3A5 (CYPIIIA5) (P450-PCN3) (HLp2)/cytochrome P450 PCN3 /Cytochrome P450
XP_515040 Pan troglodytes PREDICTED: similar to cytochrome P450, family 3, subfamily A, polypeptide 5
O18993 Calithrix jacchus BAA22156 CP3AL_CALJA Cytochrome P450 3A21 (CYPIIIA21) (P450 CM3A-10)/cytochrome P-450
AAV51972 Cercopithecus aethiops cytochrome P450 3A7
Q12462 Homo sapiens CP3A7_HUMAN Cytochrome P450 3A7 (CYPIIIA7) (P450-HFLA)
NP_000756 Homo sapiens 1504252A BAA00310 AAG32289 AAG48618 AAH67436 EAL23867 cytochrome P450, family 3, subfamily A, polypeptide 7/1504252A cytochrome P450 /cytochrome P-450 HFLa /cytochrome P450 polypeptide 7 /cytochrome P450 variant 3A7 /Cytochrome
AAS91645 Macaca mulatta cytochrome P450 3A64 variant 1; CYP3A64
P33268 Macaca fascicularis AAB24952 AAP49442 Macaca mulatta BAE45352 Macaca fuscata CP3A8_MACFA Cytochrome P450 3A8 (CYPIIIA8) (P450-MKNF2) (P-450-MK2)/cytochrome P-450 3A; P-450 3A /cytochrome P450 3A64 /cytochrome P450 3A
AAY51970 Cercopithecus aethiops cytochrome P450 3A4v1
AAY51971 Cercopithecus aethiops cytochrome P450 3A4v2
NP_059498 Homo sapiens 1WOE 1WOF 1TQN 1W0G AAA35745 AAF21034 AAG32290 CAD91343 CAD91645 AAH69418 EAL23866 AAY16980 AAI01632 cytochrome P450, subfamily IIIA, polypeptide 4/A Chain A, Crystal Structure Of Human Cytochrome P450 3a4/A Chain A, Crystal St
P05184 Homo sapiens 2108280A AAA35742 BAA00001 CP3A3_HUMAN Cytochrome P450 3A3 (CYPIIIA3) (HLp)/2108280A cytochrome P450-3A5 /glucocorticoid-inducible cytochrome P-450 /cytochrome P-450
P08684 Homo sapiens CAA30944 CP3A4_HUMAN Cytochrome P450 3A4 (Quinine 3-monooxygenase) (CYPIIIA4) (Nifedipine oxidase) (Taurochenodeoxycholate 6-alpha-hydroxylase) (NF-25) (P450-PCN1)/unnamed protein product
AAA35744 Homo sapiens AAA35747 cytochrome P-450 nifedipine oxidase/cytochrome P450 nifedipine oxidase
AAF13598 Homo sapiens cytochrome P450-3A4
NP_895392 Prochlorococcus marinus str. MIT 9313 CAE21740 Cytochrome P450 enzyme/Cytochrome P450 enzyme
YP_376971 Synechococcus sp. CC9902 ABB25927 cytochrome P450 enzyme/cytochrome P450 enzyme
ZP_01086392 Synechococcus sp. WH 8701 EAQ73801 cytochrome P450 enzyme/cytochrome P450 enzyme
NP_707238 Danio rerio PREDICTED: similar to Cytochrome P450, subfamily XXVIA, polypeptide 1 isoform 4
XP_683823 Danio rerio NP_571221 XP_707237 AAH55232 PREDICTED: similar to Cytochrome P450, subfamily XXVIA, polypeptide 1 isoform 1/cytochrome P450, subfamily XXVIA, polypeptide 1 /PREDICTED: similar to Cytochrome P450, subfamily XXVIA, polypeptide 1
P79739 Danio rerio AAC60045 CP26A_BRARE Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RAI) (Retinoic acid 4-hydroxylase)/all-trans-retinoic acid 4-hydroxylase
CAF92771 Tetraodon nigroviridis unnamed protein product
NP_001001129 Gallus gallus Q9PUB4 AAF09250 cytochrome P450, family 26, subfamily A, polypeptide 1/CP26A_CHICK Cytochrome P450 26A1 (Retinoic acid degrading enzyme CYP26)/retinoic acid degrading enzyme CYP26
NP_569092 Rattus norvegicus AAL32036 ABC48786 cytochrome P450, family 26, subfamily A, polypeptide 1/retinoic acid hydroxylase /retinoic acid hydroxylase
ABB42998 Rattus norvegicus retinoic acid hydroxylase
NP_031637 Mus musculus O55127 CAA73206 AAD17217 cytochrome P450, family 26, subfamily a, polypeptide 1/CP26A_MOUSE Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RAI) (Retinoic acid 4-hydroxylase)/P450RA protein /cytochrome P450 re
XP_849374 Canis familiaris XP_543933 PREDICTED: similar to cytochrome P450, family 26, subfamily A, polypeptide 1 isoform 1 isoform 2/PREDICTED: similar to cytochrome P450, family 26, subfamily A, polypeptide 1 isoform 2 isoform 1
NP_584484 Bos taurus XP_879361 PREDICTED: similar to Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RAI) (Retinoic acid 4-hydroxylase) isoform 1/PREDICTED: similar to Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P4
XP_879185 Bos taurus PREDICTED: similar to Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RAI) (Retinoic acid 4-hydroxylase) isoform 3
NP_000774 Homo sapiens NP_476498 CAH72803 CAH72804 cytochrome P450, family 26, subfamily A, polypeptide 1 isoform 1/cytochrome P450, family 26, subfamily A, polypeptide 1 /cytochrome P
O43174 Homo sapiens AAB88881 CP26A_HUMAN Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450 retinoic acid-inactivating 1) (P450RAI) (hP450RAI) (Retinoic acid 4-hydroxylase)/retinoic acid hydroxylase
AAH12673 Mus musculus Cytochrome P450, family 26, subfamily a, polypeptide 1
AAH88001 Xenopus laevis LOC496314 protein
Q93323 Xenopus laevis AAC25158 CP26A_XENLA Cytochrome P450 26A1 (Retinoic acid degrading enzyme CYP26) (xCYP26) (Retinoic acid-converting enzyme) (RACE)/retinoic acid converting enzyme
AAH73518 Xenopus laevis LOC398094 protein
XP_780684 Mus musculus AAN09613 AAH59246 BAE38630 BAE23242 cytochrome P450, family 26, subfamily b, polypeptide 1/cytochrome p450 26B1 /Cyp26b1 protein /unnamed protein product /unnamed protein product
NP_851601 Rattus norvegicus AAO92253 cytochrome P450, family 26, subfamily b, polypeptide 1/cytochrome P450RAI-2
XP_540236 Canis familiaris PREDICTED: similar to Cytochrome P450 26B1 (P450 RAI-2) (P450RAI-2) (Retinoic acid metabolizing cytochrome)
NP_063938 Homo sapiens Q9NR63 AAF76003 AAH69443 AAY14690 AAI09206 cytochrome P450, family 26, subfamily b, polypeptide 1/CP26B_HUMAN Cytochrome P450 26B1 (P450 26A2) (P450 retinoic acid-inactivating 2) (P450RAI-2) (Retinoic-acid metabolizing cytochro
NP_997831 Danio rerio Q6EIG3 AAQ82596 AAH66759 cytochrome P450, family 26, subfamily b, polypeptide 1/CP26B_BRARE Cytochrome P450 26B1 (Cyp26B1) (Retinoic-acid metabolizing cytochrome) /Cyp26b1 /Cytochrome P450, family 26, subfamily b, polypeptide 1
CAG02180 Tetraodon nigroviridis unnamed protein product
XP_621503 Mus musculus XP_920032 PREDICTED: similar to cytochrome P450, family 26, subfamily C, polypeptide 1/PREDICTED: similar to cytochrome P450, family 26, subfamily C, polypeptide 1
XP_217935 Rattus norvegicus PREDICTED: similar to cytochrome P450, family 26, subfamily C, polypeptide 1
NP_899230 Homo sapiens Q6V0L0 AAO52485 cytochrome P450, family 26, subfamily C, polypeptide 1/CP26C_HUMAN Cytochrome P450 26C1/cytochrome P450
XP_584485 Bos taurus PREDICTED: similar to cytochrome P450, family 26, subfamily C, polypeptide 1
NP_442426 Synechocystis sp. PCC 6803 Q55990 BAA10496 cytochrome P450/CP120_SYNY3 Putative cytochrome P450 120/cytochrome P450
ZP_00672504 Trichodesmium erythraeum IMS101 EAG28398 Cytochrome P450/Cytochrome P450
AAT47183 Taxus cuspidata taxoid 10-beta hydroxylase
Q9AXM6 Taxus cuspidata AAK00946 T10H_TAXCU Taxane 10-beta-hydroxylase (5-alpha-taxadienol-10-beta-hydroxylase) (Cytochrome P450 725A1)/5-alpha-taxadienol-10-beta-hydroxylase
AAW03151 Bidrya sp. BT2 AAX08091 taxane 10-beta-hydroxylase/P450 taxane 10-beta-hydroxylase
AAS49032 Taxus x media 5-alpha-taxadienol-10-beta-hydroxylase; Tm10bh
AAN52360 Taxus wallichiana var. chinensis AAS19442 5-alpha-taxadienol-10-beta-hydroxylase/5-alpha-taxadienol-10-beta-hydroxylase
Q8W479 Taxus cuspidata AAL23619 T13H_TAXCU Taxane 13-alpha-hydroxylase (Cytochrome P450 725A2)/taxane 13-alpha-hydroxylase
AAX20147 Taxus x media taxane 13-alpha-hydroxylase
AAX59903 Taxus wallichiana var. chinensis 13-alpha-hydroxylase
AAR21106 Taxus wallichiana var. chinensis hydroxylase
AAQ75553 Taxus cuspidata taxoid 7-beta-hydroxylase
AAS89065 Taxus canadensis taxoid 2-alpha-hydroxylase
AAV54171 Taxus wallichiana var. chinensis taxoid 2-alpha-hydroxylase
AAQ56240 Taxus cuspidata taxadiene 5-alpha hydroxylase
AAU89341 Taxus wallichiana var. chinensis taxadiene 5-alpha hydroxylase
AAO66199 Taxus cuspidata taxane 14b-hydroxylase
ATSG36110 = NP_ 198460 BAA96495 CYP716A1; heme binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450-like
ABC59076 Medicago truncatula cytochrome P450 monooxygenase CYP716A
AAX07436 Picea sitchensis cytochrome P450 CYPA1
AAX07437 Picea sitchensis cytochrome P450 CYPA2
ABC94482 Artemisia annua putative taxane 13-alpha-hydroxylase cytochrome P450
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Smo_ATSG05690_18_1
Ppa_ATSG05690_22_1
Smo_ATSG05690_77_1
Smo_ATSG05690_106_1
Smo_ATSG05690_50_1
Smo_ATSG05690_99_1
Smo_ATSG05690_93_1
Smo_ATSG05690_100_1
Smo_ATSG05690_193_1
Smo_ATSG05690_11_1
Smo_ATSG05690_113_2
XP_478426 Oryza sativa (japonica cultivar-group) BAC83721 putative taxane 14b-hydroxylase/putative taxane 14b-hydroxylase
XP_478433 Oryza sativa (japonica cultivar-group) BAC79653 putative 5-alpha-taxadienol-10-beta-hydroxylase/putative 5-alpha-taxadienol-10-beta-hydroxylase
XP_450791 Oryza sativa (japonica cultivar-group) BAD26090 putative taxane 10-beta-hydroxylase (5-alpha-taxadienol-10-beta-hydroxylase) (Cytochrome P450 725A1)/putative taxane 10-beta-hydroxylase (5-alpha-taxadienol-10-beta-hydroxylase) (Cytochrome P4
NP_912319 Oryza sativa (japonica cultivar-group) BAC21981 putative 5-alpha-taxadienol-10-beta-hydroxylase/putative 5-alpha-taxadienol-10-beta-hydroxylase
XP_478431 Oryza sativa (japonica cultivar-group) BAC79651 putative 5-alpha-taxadienol-10-beta-hydroxylase/putative 5-alpha-taxadienol-10-beta-hydroxylase
XP_478430 Oryza sativa (japonica cultivar-group) BAC19978 BAD30847 putative 5-alpha-taxadienol-10-beta-hydroxylase/putative 5-alpha-taxadienol-10-beta-hydroxylase /putative 5-alpha-taxadienol-10-beta-hydroxylase
NP_912303 Oryza sativa (japonica cultivar-group) BAC56029 putative taxane 10-beta-hydroxylase(5-alpha-taxadienol-10-beta-hydroxylase)/putative taxane 10-beta-hydroxylase(5-alpha-taxadienol-10-beta- hydroxylase)
NP_912311 Oryza sativa (japonica cultivar-group) BAC56035 putative taxane 10-beta-hydroxylase(5-alpha-taxadienol-10-beta-hydroxylase)/putative taxane 10-beta-hydroxylase(5-alpha-taxadienol-10-beta- hydroxylase)
AAW56989 Oryza sativa (japonica cultivar-group) AAO63095 unknown protein/unknown protein
ATSG45340 = NP_ 851136 BAB10128 AAL35188 AAM26703 BAD16630 CYP707A3; heme binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450 /AT5g45340/K9E15_12 /AT5g45340/K9E15_12 /cytochrome P450 monooxygenase
ATSG45340 = NP_ 199347 CYP707A3; heme binding/iron ion binding /monooxygenase/oxygen binding
AT4G19230 = NP_ 567581 AAM14385 BAD16629 CYP707A1; heme binding/iron ion binding /monooxygenase/oxygen binding /putative /cytochrome P450 protein /cytochrome P450 monooxygenase
CAA16713 Arabidopsis thaliana CAB78925 cytochrome P450/cytochrome P450
AT4G19230 = NP_ 974574 CYP707A1; heme binding/iron ion binding /monooxygenase/oxygen binding
ABA55732 Solanum tuberosum ABA 8'-hydroxylase CYP707A1
ABB71585 Hordeum vulgare subsp. vulgare ABA 8'-hydroxylase 1
ABA55733 Solanum tuberosum ABA 8'-hydroxylase CYP707A2
AAZ23260 Nicotiana tabacum cytochrome P450 monooxygenase
AT3G19270 = NP_ 566628 AAM61624 CYP707A4; heme binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450, putative
BAB02968 Arabidopsis thaliana cytochrome P450
ABB71586 Hordeum vulgare subsp. vulgare ABA 8'-hydroxylase 2
BAD38475 Oryza sativa (japonica cultivar-group) putative cytochrome P450
XP_482909 Oryza sativa (japonica cultivar-group) BAD09367 putative cytochrome P450/putative cytochrome P450
Smo_ATSG05690_91_1
AT2G23090 = NP_ 180473 AAC33235 CYP707A2; heme binding/iron ion binding /monooxygenase/oxygen binding /putative /cytochrome P450
AAO23063 Pisum sativum ent-kaurenoic acid oxidase
AAO23064 Pisum sativum ent-kaurenoic acid oxidase
AT2G32440 = NP_ 180603 Q9C5Y2 AAC69934 KAO2 (ENT-KAURENOIC ACID HYDROXYLASE 2); oxygen binding/KAO2_ARATH Ent-kaurenoic acid oxidase 2 (AtKAO2) (Cytochrome P450 88A4)/putative cytochrome P450
AAK11565 Arabidopsis thaliana
AT1G05160 = NP_ 172008 O23051 AAB71462 AAK11564 CYP88A3 (ENT-KAURENOIC ACID HYDROXYLASE 1); oxygen binding/KAO1_ARATH Ent-kaurenoic acid oxidase 1 (AtKAO1) (Cytochrome P450 88A3) /Similar to Zea DWARF3 (gb|U32579), /ent-kaurenoic acid hydroxylase
AAG41777 Cucurbita maxima ent-kaurenoic acid oxidase
XP_550479 Oryza sativa (japonica cultivar-group) BAD67695 BAD67898 putative cytochrome P450 DWARF3/putative cytochrome P450 DWARF3 /putative cytochrome P450 DWARF3
Q9AXH9 Hordeum vulgare AAK11616 Hordeum vulgare subsp. vulgare KAO1_HORVU Ent-kaurenoic acid oxidase 1 (gpr5)/ent-kaurenoic acid oxidase
Q43246 Zea mays AAC49067 C88A1_MAIZE Cytochrome P450 88A1 (Dwarf5 protein)/DWARF3
AAT28221 Ginkgo biloba putative ent-Kaurenoic acid hydroxylase-like cytochrome P450
XP_473551 Oryza sativa (japonica cultivar-group) Q7XU38 Oryza sativa CAD30852 Oryza sativa (japonica cultivar-group) CAD41584 OSJNBa0088I22.16/C87A3_ORYSA Cytochrome P450 87A3/putative cytochrome P450 /OSJNBa0088I22.16
BAD29475 Oryza sativa (japonica cultivar-group) BAD29524 putative cytochrome P450/putative cytochrome P450
XP_473555 Oryza sativa (japonica cultivar-group) CAE04091 OSJNBa0088I22.12/OSJNBa0088I22.12
AAL73972 Sorghum bicolor putative cytochrome P450-like protein
XP_469101 Oryza sativa (japonica cultivar-group) AAO23096 putative hydroxylase/putative hydroxylase
CAC81901 Oryza sativa cytochrome P450
ABA92826 Oryza sativa (japonica cultivar-group) hypothetical protein LOC_Os11g18570
UAV85744 Oryza sativa (japonica cultivar-group) cytochrome P450
AT1G55940 = NP_ 175990 AAF79335 CYP708A1; heme binding/iron ion binding /monooxygenase/oxygen binding /F14J16.21
AT5G48000 = NP_ 851153 NP_ 199611 NP_ 851152 NP_ 001032030 BAB11064 CYP708A2; heme binding/iron ion binding /monooxygenase/oxygen binding /CYP708A2; heme binding /iron ion binding /monooxygenase/oxygen binding /CYP708A2; heme binding /iron ion binding /
AAM96995 Arabidopsis thaliana AAN15443 cytochrome P450-like protein/cytochrome P450-like protein
AT1G78490 = NP_ 177970 AAL38249 AAP31953 CYP708A3; heme binding/iron ion binding /monooxygenase/oxygen binding /similar to cytochrome P450 /At1g78490
AT3G14970 = NP_ 190083 heme binding/iron ion binding /monooxygenase/oxygen binding
Ppa_ATSG05690_21_1
Ppa_ATSG05690_1_2
Ppa_ATSG05690_43_1
ATSG05690 = NP_ 196188 Q42569 CAA60793 CAA60794 BAB09663 AAK68777 AAK96630 AAL36072 AAM10042 AAM55068 CPD (CABBAGE 3); heme binding/iron ion binding /monooxygenase/oxygen binding /C90A1_ARATH Cytochrome P450 90A1/CYP90 protein /CYP90 protein /cytochr
AAF89209 Vigna radiata cytochrome P450
CAD27417 Nicotiana tabacum cytochrome P450
ABC94481 Artemisia annua putative steroid 23-alpha-hydroxylase cytochrome P450
BAE16977 Zinnia elegans steroid 23-alpha-hydroxylase
BAE16978 Zinnia elegans steroid 23-alpha-hydroxylase
BAI91412 Oryza sativa (japonica cultivar-group) cytochrome p450 90a1
BAD90973 Oryza sativa (japonica cultivar-group) cytochrome P450
BAD90974 Oryza sativa (japonica cultivar-group) ABA89785 cytochrome P450/cytochrome p450 90a1
NP_913139 Oryza sativa (japonica cultivar-group) Q94IW5 Oryza sativa BAB56089 Oryza sativa (japonica cultivar-group) cytochrome P450-like protein/C90D2_ORYSA Cytochrome P450 90D2 (C6-oxidase)/putative cytochrome P450 90C1
AAT44310 Oryza sativa (japonica cultivar-group) putative cytochrome P450
AT3G13730 = NP_ 566462 BAB82109 AAD42111 AAD50628 CYP90D1; heme binding/iron ion binding /monooxygenase/oxygen binding /CYP90D /putative cytochrome P450 /putative cytochrome P450
At4G36380 = NP_ 568002 Q9M066 D85429 CAB16850 BAA37167 CAB80304 ROT3 (ROTUNDIFOLIA 3); oxygen binding/steroid hydroxylase /C90C1_ARATH Cytochrome P450 90C1 (ROTUNDIFOLIA3) /D85429 cytochrome P450 like protein /cytochrome P450 like protein /cytochrome
Smo_ATSG05690_76_1 Smo_ATSG05690_29_1
Smo_ATSG05690_138_1
Q69F95 Phase