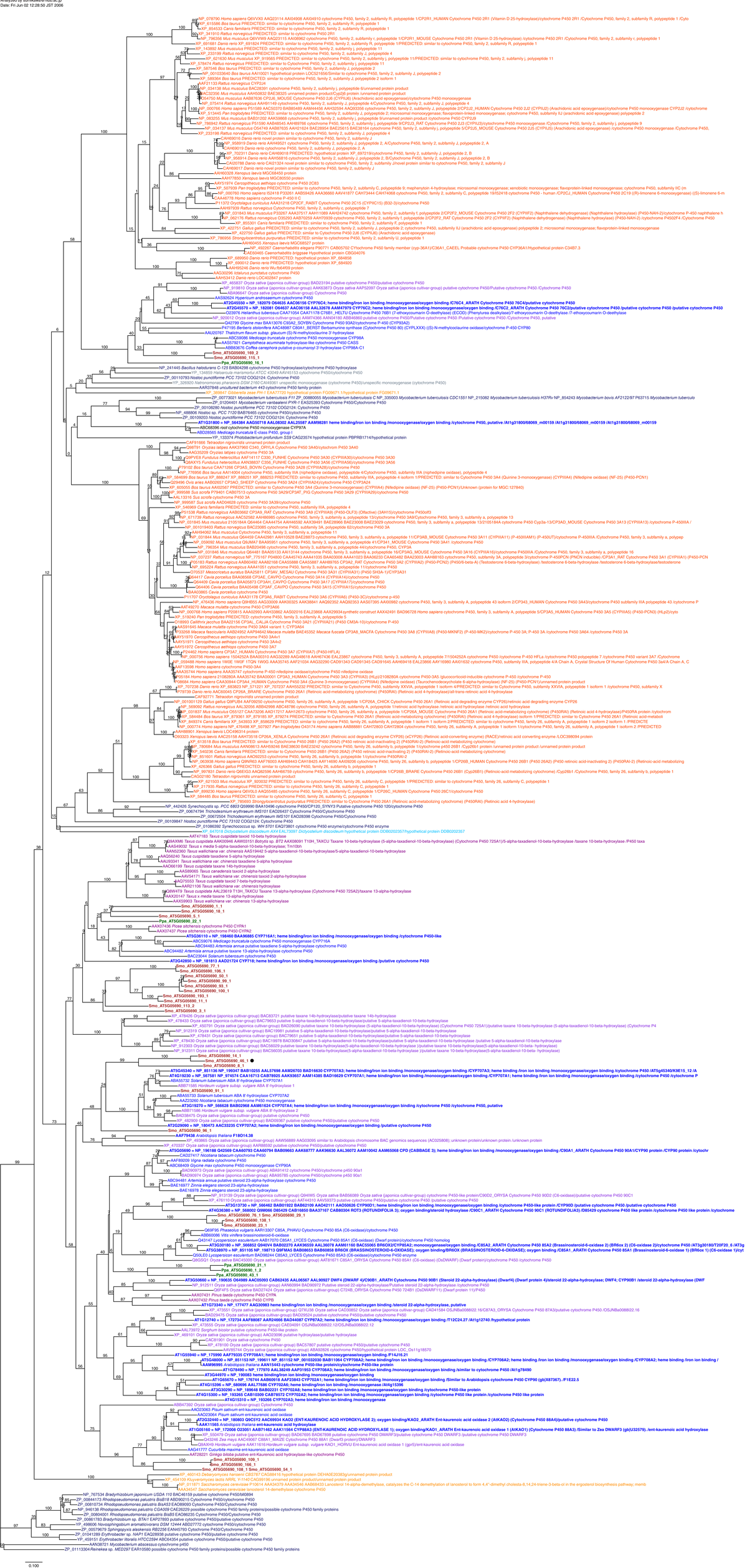
CPD (ATSG0500): partial tree
File name: ATSG0500_p8.svg
144 aa residues 308 OTU included
Partial tree including Smo_ATSG0500_46_1.
Assemble Job Id: 6P1SGN / selenIfnAlign Job Id: ADW0j
Tree job id: FtrgFT
BP values out of 100
Analyzed by sumikawa@nibb.ac.jp
Date: Fri Jun 02 12:28:50 JST 2006


NP_078790 Homo sapiens CYP2R1 (Vitamin D 25-hydroxylase)/cytochrome P450 2R1 (Vitamin D 25-hydroxylase)/cytochrome P450 2R1 /Cytochrome P450, family 2, subfamily R, polypeptide 1 (CIP2R1_HUMAN Cytochrome P450 2R1 (Vitamin D 25-hydroxylase)/cytochrome P450 2R1 /Cytochrome P450, family 2, subfamily R, polypeptide 1 (Cyto
XP_854533 Canis familaris PREDICTED: similar to cytochrome P450, family 2, subfamily R, polypeptide 1
XP_341910 Rattus norvegicus PREDICTED: similar to cytochrome P450 2R1
NP_796356 Mus musculus CYP2R1 (Vitamin D 25-hydroxylase)/cytochrome P450 2R1 (Vitamin D 25-hydroxylase) /cytochrome P450 2R1 /Cytochrome P450, family 2, subfamily r, polypeptide 1
XP_691681 Danio rerio XP_691824 PREDICTED: similar to cytochrome P450, family 2, subfamily R, polypeptide 1 PREDICTED: similar to cytochrome P450, family 2, subfamily R, polypeptide 1
XP_143892 Mus musculus PREDICTED: similar to cytochrome P450, family 2, subfamily r, polypeptide 11
XP_233199 Rattus norvegicus PREDICTED: similar to cytochrome P450, family 2, subfamily r, polypeptide 4
XP_621630 Mus musculus XP_919565 PREDICTED: similar to cytochrome P450, family 2, subfamily r, polypeptide 11/PREDICTED: similar to cytochrome P450, family 2, subfamily r, polypeptide 11
XP_578474 Rattus norvegicus PREDICTED: similar to Cytochrome P450, family, 2 subfamily r, polypeptide 11
XP_587546 Bos taurus PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 2
NP_001030540 Bos taurus AAI10021 hypothetical protein LOC521050/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_034138 Mus musculus BAC28391 cytochrome P450, family 2, subfamily j, polypeptide 6/unnamed protein product
XP_142356 Mus musculus AAH56832 BAE38325 unnamed protein product/Cyp2j6 protein /unnamed protein product
XP_054750 Mus musculus AAB87636 CP2J6_MOUSE Cytochrome P450 2J6 (CYP1J6) (Arachidonic acid epoxygenase)/cytochrome P450 monooxygenase
NP_075414 Rattus norvegicus AAH11149 cytochrome P450, family 2, subfamily J, polypeptide 4/Cytochrome P450, family 2, subfamily J, polypeptide 4
NP_000766 Homo sapiens P51589 AAC50370 BAB85489 AAA44456 AAH32534 AAH32535 CP2J2_HUMAN Cytochrome P450 2J2 (CYP1J2) (Arachidonic acid epoxygenase)/cytochrome P450 monooxygenase CYP2J2 /cytochrome
XP_513445 Pan troglodytes PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 2; microsomal monooxygenase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily IU (arachidonic acid epoxygenase) polypeptide 2
NP_083255 Mus musculus BAB31202 AAH30868 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 (CYP1J3)/cytochrome P450 monooxygenase /Cytochrome P450, family 2, subfamily j, polypeptide 9
NP_04137 Mus musculus O54748 AAB87635 AAH21624 BAB25615 BAE38138 cytochrome P450, family 2, subfamily j, polypeptide 5/CP2J5_MOUSE Cytochrome P450 2J5 (CYP1J5) (Arachidonic acid epoxygenase) /cytochrome P450 monooxygenase /Cytochrome P450,
XP_233198 Rattus norvegicus PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 4
CAH89016 Danio rerio novel protein similar to cytochrome P450, family 2, subfamily J
NP_958919 Danio rerio AAH95521 cytochrome P450, family 2, subfamily J, polypeptide 2, A/Cytochrome P450, family 2, subfamily J, polypeptide 2, A
CAH09019 Danio rerio cytochrome P450, family 2, subfamily J, polypeptide 2, A
NP_702311 Danio rerio CAH99018 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
CAI20788 Danio rerio CAI21324 novel protein similar to cytochrome P450, family 2, subfamily J/novel protein similar to cytochrome P450, family 2, subfamily J
CAH09017 Danio rerio novel protein similar to cytochrome P450, family 2, subfamily J
AAH60328 Xenopus laevis MGC68450 protein
AAH77850 Xenopus laevis MGC80550 protein
AAY51974 Ceroplethes 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
NP_000760 Homo sapiens I52418 P33261 AAB59426 AAA36660 AAV41877 CAH73444 CAH74068 cytochrome P450, family 2, subfamily C, polypeptide 19/52418 cytochrome P450 - human /CP2C2J_HUMAN Cytochrome P450 2C19 (IR-limonene 6-monooxygenase) ((S)-limonene 6-m
AAA4778 Homo sapiens cytochrome P-450 II C
P11372 Oryctolagus cuniculus AAA31218 CP2CF_RABIT Cytochrome P450 2C15 (CYP1C15) (B32-3)/cytochrome P450
AAH97939 Rattus norvegicus Cytochrome P450, family 2, subfamily c, polypeptide 7
NP_031843 Mus musculus P33267 AAA37517 AAH11089 AAH87442 cytochrome P450, family 2, subfamily f, polypeptide 2/CP2F2_MOUSE Cytochrome P450 2F2 (CYP1IF2) (Naphthalene dehydrogenase) (Naphthalene hydroxylase) (P450-NAH-2)/cytochrome P450 naphthalene h
NP_062176 Rattus norvegicus O35293 AAB70259 AAH70939 cytochrome P450, family 2, subfamily f, polypeptide 2/CP2F2_RAT Cytochrome P450 2F2 (CYP1IF2) (Naphthalene dehydrogenase) (Naphthalene hydroxylase) (P450-NAH-2) /cytochrome P450/2F4 /Cytochrome P450
XP_855301 Canis familaris PREDICTED: similar to cytochrome P450, family 2, subfamily F, polypeptide 2
XP_422751 Gallus gallus PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 2; cytochrome P450, family 2, subfamily IU (arachidonic acid epoxygenase); flavoprotein-linked monooxygenase
XP_422750 Gallus gallus PREDICTED: similar to Cytochrome P450 2J6 (CYP1IJ6) (Arachidonic acid epoxygenase)
XP_786956 Strongylocentrotus purpuratus PREDICTED: similar to cytochrome P450, family 2, subfamily U, polypeptide 1
AAH60455 Xenopus laevis MGC68527 protein
XP_492267 Caenorhabditis elegans P90771 CABG50720 CYochrome P450 family member (cyp-36A1)/C36A1_CAEEL Probable cytochrome P450 CYP36A1/hypothetical protein C34B7.3
CAE60465 Caenorhabditis briggsae Hypothetical protein CBG04076
XP_689950 Danio rerio PREDICTED: hypothetical protein XP_684858
XP_690012 Danio rerio PREDICTED: hypothetical protein XP_684920
AAH95246 Danio rerio Wu:fb64f09 protein
AAG30296 Ictalurus punctatus cytochrome P450
AAH53412 Danio rere LOC402847 protein
XP_465837 Oryza sativa (japonica cultivar-group) BAD23194 putative cytochrome P450/putative cytochrome P450
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
AAS92624 Hypericum androsaemum cytochrome P450
AT2G45550 = NP_182079 O64635 AAC06156 CYP76C4; hemo binding/iron ion binding /monooxygenase/oxygen binding /C76C4_ARATH Cytochrome P450 76C4/putative cytochrome P450
AT2G45570 = NP_182081 O64637 AAC06158 AAL32678 AAM47979 CYP76C2; hemo binding/iron ion binding /monooxygenase/oxygen binding /C76C2_ARATH Cytochrome P450 76C2/putative cytochrome P450 /putative cytochrome P450 /putative cytochrome P450
O23976 Helianthus tuberosus CAA71054 CAA71178 C76B1_HELTU Cytochrome P450 76B1 (7-ethoxycoumarin O-deethylase) (ECOD) (Phenylurea dealkylase)/7-ethoxycoumarin O-deethylase /7-ethoxycoumarin O-deethylase
NP_90012 Oryza sativa (japonica cultivar-group) AAM71366 AKN01760 AB088444 putative cytochrome P450/Putative cytochrome P450 /Putative cytochrome P450 /Cytochrome P450, putative
O42799 Glycine max BAA13076 C93A2_SOYBN Cytochrome P450 93A2(cytochrome P-450 (CYP93A2)
P47195 Berberis stolonifera AAC49867 C80A1_BERST Berbamurine synthase (Cytochrome P450 80) (CYPLXXXX) ((S)-N-methylcoclaurine 3'-hydroxylase)
AAU20767 Thalictrum flavum subsp. glaucum (S)-N-methylcoclaurine 3'-hydroxylase
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
Smo_ATSG0500_169_2
Smo_ATSG0500_115_1
Ppa_ATSG0500_16_1
NP_241445 Bacillus halodurans C-125 BAB04298 cytochrome P450 hydroxylase/cytochrome P450 hydroxylase
ZP_13455 Halorubrum marismortui ATCC 43049 AAV46153 cytochrome P450/cytochrome P450
ZP_00110793 Nostoc punctiforme PCC 73102 CDG2124: Cytochrome P450
YP_326920 Natronomonas pharaonis DSM 2160 CAH90061 unspecific monooxygenase (cytochrome P450)/unspecific monooxygenase (cytochrome P450)
AAR07848 uncultured bacterium 443 cytochrome P450 family protein
XP_969647 Gibberella zeae PH-1 EAA77720 hypothetical protein FG06671.1/hypothetical protein FG06671.1
ZP_00773021 Mycobacterium tuberculosis F11 ZP_00800005 Mycobacterium tuberculosis H37Rv NP_335003 Mycobacterium tuberculosis CDC1551 NP_215082 Mycobacterium tuberculosis H37Rv NP_854243 Mycobacterium bovis AF2122/97 P63715 Mycobacterium tuberculo
ZP_01204401 Mycobacterium vanbaalenii PYR-1 EAS25393 Cytochrome P450/Cytochrome P450
ZP_00108280 Nostoc punctiforme PCC 73102 CDG2124: Cytochrome P450
NP_488806 Nostoc sp. PCC 7120 BAB76465 cytochrome P450/cytochrome P450
ZP_00109203 Nostoc punctiforme PCC 73102 CDG2124: Cytochrome P450
AT1G31800 = NP_564384 AAC60718 AAL06302 AAL25587 AAM98281 hemo binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450, putative /A1g31800/68069_m00159 /A1g31800/68069_m00159 /A1g31800/68069_m00159
ABC68386 rbd cytochrome P450 monooxygenase CYP97A
ABD28565 Medicago truncatula E-class P450, group I
Y_133374 Photorhabdus profundum SS9 CAG23574 hypothetical protein PBPRB1174/hypothetical protein
CAF91566 Tetraodon nigroviridis unnamed protein product
Q9B791 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 (CYP1A30)/cytochrome P450 3A30
Q8AXY5 Fundulus heteroclitus AAN38837 C35E_FUNHE Cytochrome P450 3A35E (CYP1A35E)/cytochrome P450 3A35E
Q73102 Bos taurus CAA12268 CP3A5_BOVIN Cytochrome P450 3A28 (CYP1A28)/cytochrome P450
NP_776956 Bos taurus AAI14004 cytochrome P450, subfamily IIIA (nifnedipine oxidase), polypeptide 4
XP_584699 Bos taurus XP_588247 XP_588251 XP_868250 PREDICTED: similar to cytochrome P450, subfamily IIIA, polypeptide 4 isoform 1/PREDICTED: similar to Cytochrome P450 3A4 (Quinine 3-monooxygenase) (CYP111A4) (Nifedipine oxidase) (NF-25) (P450-PCN1)
Q29496 Ovis aries AAB02057 CP3A0_SHEEP Cytochrome P450 3A24 (CYP111A24)/cytochrome P450 CYP3A24
XP_605055 Bos taurus AAI00567 PREDICTED: similar to Cytochrome P450 3A4 (Quinine 3-monooxygenase) (CYP111A4) (Nifedipine oxidase) (NF-25) (P450-PCN1)/Unknown (protein for MGC:127840)
XP_999508 Sus scrofa P79401 CAB07513 cytochrome P450 3A29/CP3A7_PIG Cytochrome P450 3A29 (CYP1A29)/cytochrome P450
AAL13316 Sus scrofa cytochrome P450 3A
XP_999587 Sus scrofa AAD04628 cytochrome P450 3A39/cytochrome P450
XP_546969 Canis familaris PREDICTED: similar to cytochrome P450, subfamily IIIA, polypeptide 4
P51538 Rattus norvegicus AAB00362 CP3A9_RAT Cytochrome P450 3A9 (CYP1A9) (P450-15) (Olfactive) (3AH15)/cytochrome P450olf3
XP_617139 Rattus norvegicus AAC52582 AAH86985 cytochrome P450, family 3, subfamily a, polypeptide 13/cytochrome P450 3A9/Cytochrome P450, family 3, subfamily a, polypeptide 13
NP_031845 Mus musculus 2105184A Q64464 CAA44754 AAH46592 AAX39491 BAE28966 BAE23008 BAE23029 cytochrome P450, family 3, subfamily a, polypeptide 13/2105184A cytochrome P450 Cyp3a-13/CP3AD_MOUSE Cytochrome P450 3A13 (CYP111A13) /cytochrome P-450IIIA /
NP_001019403 Rattus norvegicus BAC23085 cytochrome P450, subfamily 3A
AAH94062 Mus musculus Cytochrome P450, family 3, subfamily a, polypeptide 11
NP_031844 Mus musculus Q64459 CAA42981 AAH10208 BAE28973 cytochrome P450, family 3, subfamily a, polypeptide 11/CP3AB_MOUSE Cytochrome P450 3A11 (CYP111A11) (P-450IIIAM1) (P-450UT)/cytochrome P-450IIIA /Cytochrome P450, family 3, subfamily a, polypep
NP_059092 Mus musculus Q9JMA7 BAA95951 cytochrome P450, family 3, subfamily a, polypeptide 41/CP3A41_MOUSE Cytochrome P450 3A41 (cytochrome P450
NP_796354 Mus musculus BAB26408 cytochrome P450, family 3, subfamily a, polypeptide 16/CP3A16_MOUSE Cytochrome P450 3A16 (CYP111A16)/cytochrome P450IIIA /Cytochrome P450, family 3, subfamily a, polypeptide 16
NP_031846 Mus musculus Q64481 BAA05133 AAI13144 cytochrome P450, family 3, subfamily a, polypeptide 16/CP3AG_MOUSE Cytochrome P450 3A16 (CYP111A16)/cytochrome P450IIIA /Cytochrome P450, family 3, subfamily a, polypeptide 16
NP_037237 Rattus norvegicus NP_775167 P04800 CAA44743 AAA41035 BAA30008 AAA41023 BAA06233 CAA55482 BAA23003 AAH88163 cytochrome P450, subfamily 3A, polypeptide 3/cytochrome P-450PCN (PNCN inducible) /CP3A1_RAT Cytochrome P450 3A1 (CYP111A1) (P450-PCN
P05183 Rattus norvegicus AAB00482 AAAB2168 CAA55888 CAA55887 AAH89705 CP3A2_RAT Cytochrome P450 3A2 (CYP111A2) (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
O70537 Mesocricetus auratus BAA25811 CP3AV_MESAU Cytochrome P450 3A31 (CYP111A31) (P450 SHSA-1)/CYP3A31
Q64417 Cavia porcellus BAA08568 CP3AE_CAVPO Cytochrome P450 3A14 (CYP111A14)/cytochrome P450
Q64409 Cavia porcellus BAA05873 CP3AH_CAVPO Cytochrome P450 3A17 (CYP111A17)/cytochrome P450
Q64406 Cavia porcellus BAA05498 CP3AF_CAVPO Cytochrome P450 3A15 (CYP111A15)/cytochrome P450
BAA03865 Cavia porcellus cytochrome P450
P11707 Oryctolagus cuniculus AAA31178 CP3A6_RABIT Cytochrome P450 3A6 (CYP111A6) (P450-3C)/cytochrome p-450
NP_476436 Homo sapiens Q9HB55 AAG33009 AAK00325 AAK38841 AAQ92352 AAQ92353 AAS07395 AAI00982 cytochrome P450, family 3, subfamily a, polypeptide 43 isoform 2/CP343_HUMAN Cytochrome P450 3A43/cytochrome P450 subfamily IIIA polypeptide 43 /cytochrome P
AAT45670 Macaca mulatta cytochrome P450 CYP3A66
NP_000768 Homo sapiens P20815 AAQ03923 AAH33862 AAS02016 EAL23868 AAX29934synthetic construct AAX42491 BAD96728 Homo sapiens cytochrome P450, family 3, subfamily a, polypeptide 5/CP3A5_HUMAN Cytochrome P450 3A5 (CYP111A5) (P450-PCN3) (HLp2)/cyto
XP_519240 Pan troglodytes PREDICTED: cytochrome P450, family 3, subfamily A, polypeptide 5
O18693 Callithrix jacchus AAA22156 CP3AL_CALJA Cytochrome P450 3A21 (CYP111A21) (P450 CM3A-10)/cytochrome P-450
AAS91645 Macaca mulatta cytochrome P450 3A64 variant 1; CYP3A64
Q3S268 Macaca fascicularis AAB24952 AAP49442 Macaca mulatta BAE45352 Macaca fascicularis CP3A8_MACFA Cytochrome P450 3A8 (CYP111A8) (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
AAY51972 Cercopithecus aethiops cytochrome P450 3A7
AF24462 Homo sapiens CP3A7_HUMAN Cytochrome P450 3A7 (CYP111A7) (P450-HFLA)
NP_000756 Homo sapiens I50425ZA BAA00310 AAG32289 AAG46818 AAH67436 EAL23867 cytochrome P450, family 3, subfamily a, polypeptide 7/I50425ZA cytochrome P450 /cytochrome P-450 HFLa /cytochrome P450 polypeptide 7 /cytochrome P450 variant 3A7 /Cytochrome
NP_059488 Homo sapiens 1W0E 1W0F 1TQN 1WOG AAA35745 AAF21034 AAG32290 CAD91343 CAD91345 CAD91645 AAH69418 EAL23866 AAY16980 AAI01632 cytochrome P450, subfamily IIIA, polypeptide 4/A Chain A, Crystal Structure Of Human Cytochrome P450 3a4/A Chain A, C
AAF13598 Homo sapiens cytochrome P450-3A4
AAA35744 Homo sapiens AAA35747 cytochrome P-450 nifedipine oxidase/cytochrome P450 nifedipine oxidase
P00184 Homo sapiens 2108280A AAA35742 BAA00001 CP3A3_HUMAN Cytochrome P450 3A3 (CYP111A3) (HLp)/2108280A cytochrome P450-3A5 /glucocorticoid-inducible cytochrome P-450 /cytochrome P-450
P00684 Homo sapiens CAA30944 CP3A4_HUMAN Cytochrome P450 3A4 (Quinine 3-monooxygenase) (CYP111A4) (Nifedipine oxidase) (Taurochenodeoxycholate 6-alpha-hydroxylase) (NF-25) (P450-PCN1)/unnamed protein product
XP_707238 Danio rerio XP_683821 XP_683829 XP_571237 XP_707237 AAH50232 PREDICTED: similar to cytochrome P450, subfamily IIIA, polypeptide 4 isoform 4/PREDICTED: similar to Cytochrome P450, subfamily XXVIA, polypeptide 1 isoform 1 /cytochrome P450, subfamily X
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 AAL30056 ABB42998 ABC46786 cytochrome P450, family 26, subfamily A, polypeptide 1/retinoic acid hydroxylase /retinoic acid hydroxylase
O31637 Mus musculus O55127 CAA73206 AAD17217 AAB47673 cytochrome P450, family 26, subfamily A, polypeptide 1/CP26A_MOUSE Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RAI) (Retinoic acid 4-hydroxylase)/P450RA cytochrome P450 /cytochrom
NP_584484 Bos taurus XP_879361 XP_879185 XP_879274 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-metabolizi
NP_849374 Canis familaris XP_543933 XP_858529 PREDICTED: similar to cytochrome P450, family 26, subfamily A, polypeptide 1 isoform 1 isoform 3/PREDICTED: similar to cytochrome P450, family 26, subfamily A, polypeptide 1 isoform 2 isoform 1 /PREDICTE
NP_000774 Homo sapiens NP_476498 XP_507927 Pan troglodytes O43174 Homo sapiens AAB88881 CAH72803 CAH72804 cytochrome P450, family 26, subfamily A, polypeptide 1 isoform 1/cytochrome P450, family 26, subfamily A, polypeptide 1 isoform 2 /PREDICTED
AAH88901 Xenopus laevis LOC496314 protein
O93323 Xenopus laevis AAC25158 AAH73518 CP26A_XENLA Cytochrome P450 26A1 (Retinoic acid degrading enzyme CYP26) (xCYP26) (Retinoic acid-converting enzyme) (RACE)/retinoic acid converting enzyme /LOC398094 protein
XP_613518 Bos taurus PREDICTED: similar to Cytochrome P450 26B1 (P450 26A2) (P450 retinoic acid-inactivating 2) (P450RAI-2) (Retinoic-acid metabolizing cytochrome)
NP_789064 Bos taurus AAN06613 AAH59246 BAE38050 BAE23242 cytochrome P450, family 26, subfamily B, polypeptide 1/cytochrome P450 26B1 /Cyp26b1 protein /unnamed protein product /unnamed protein product /unnamed protein product
NP_540236 Canis familaris PREDICTED: similar to Cytochrome P450 26B1 (P450 26A2) (P450 retinoic acid-inactivating 2) (P450RAI-2) (Retinoic-acid metabolizing cytochrome)
XP_851601 Rattus norvegicus AAO92253 cytochrome P450, family 26, subfamily B, polypeptide 1/cytochrome P450 26B1
NP_063908 Homo sapiens Q9NR43 AAF76003 AAH69443 CAH18425 AAY1690 AAI03026 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
XP_426366 Gallus gallus PREDICTED: similar to cytochrome P450, family 26, subfamily b, polypeptide 1
NP_997631 Danio rerio CAB53 AAQ42356 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_621502 Mus musculus XP_990932 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
XP_899209 Homo sapiens Q9UDJ0 AAO59445 cytochrome P450, family 26, subfamily C, polypeptide 1/CP26C_HUMAN Cytochrome P450 26C1/cytochrome P450
NP_584485 Bos taurus PREDICTED: similar to cytochrome P450, family 26, subfamily C, polypeptide 1
NP_785693 Strongylocentrotus purpuratus PREDICTED: similar to Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RAI) (Retinoic acid 4-hydroxylase)
NP_442426 Synechocystis sp. PCC 6803 Q55990 BAA10496 cytochrome P450/CP120, SYNY3 Putative cytochrome P450 120/cytochrome P450
ZP_00674794 Trichodesmium erythraeum IMS101 EAQ36437 Cytochrome P450/Cytochrome P450
ZP_00672504 Trichodesmium erythraeum IMS101 EAQ28398 Cytochrome P450/Cytochrome P450
ZP_00109847 Nostoc punctiforme PCC 73102 CDG2124: Cytochrome P450
ZP_01086392 Synechococcus sp. WH 5701 EAQ73801 cytochrome P450 enzyme/cytochrome P450 enzyme
XP_647018 Dictyostelium discoideum AX4 EAL73097 Dictyostelium discoideum hypothetical protein DDB0202357/hypothetical protein DDB0202357
AAT47183 Taxus cuspidata taxoid 10-beta hydroxylase
Q9XMM6 Taxus cuspidata AAK00946 AAW03151 Botrytis sp. B72 AAX08091 T10H_TAXCU Taxane 10-beta-hydroxylase (5-alpha-taxadienol-10-beta-hydroxylase) (Cytochrome P450 725A1)/5-alpha-taxadienol-10-beta-hydroxylase /taxane 10-beta-hydroxylase /P450 taxa
AAA54932 Taxus x media 5-alpha-taxadienol-10-beta-hydroxylase; Tm10bh
AAN52560 Taxus wallichiana var. chinensis AAS19442 5-alpha-taxadienol-10-beta-hydroxylase/5-alpha-taxadienol-10-beta-hydroxylase
AAO56240 Taxus cuspidata taxadiene 5-alpha hydroxylase
AAU93341 Taxus wallichiana var. chinensis taxadiene 5-alpha hydroxylase
AAD66199 Taxus cuspidata taxane 14b-hydroxylase
AAS89065 Taxus canadensis taxoid 2-alpha-hydroxylase
AAV54171 Taxus wallichiana var. chinensis taxoid 2-alpha-hydroxylase
AAQ75553 Taxus cuspidata taxoid 7-beta-hydroxylase
AAR21106 Taxus wallichiana var. chinensis hydroxylase
Q9M479 Taxus cuspidata AAL23619 T13H_TAXCU Taxane 13-alpha-hydroxylase (Cytochrome P450 725A2)/taxane 13-alpha-hydroxylase
AAX02047 Taxus x media taxane 13-alpha-hydroxylase
AAX59903 Taxus wallichiana var. chinensis 13-alpha-hydroxylase
Smo_ATSG0500_1_1
Smo_ATSG0500_18_1
Smo_ATSG0500_5_1
Ppa_ATSG0500_22_1
AAX07436 Picea sitchensis cytochrome P450 CYPA1
AAX07437 Picea sitchensis cytochrome P450/CYP42
AT3G26310 = NP_188460 BAA96885 CYP71E1A; hemo binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450-like
ABC59076 Medicago truncatula cytochrome P450 monooxygenase CYP71EA
ABC94483 Artemisia annua putative taxadiene 5-alpha-hydroxylase cytochrome P450
ABC94482 Artemisia annua putative taxane 13-alpha-hydroxylase cytochrome P450
BAC22504 Solanum tuberosum cytochrome P450
AT2G42850 = NP_181813 AAD21724 CYP71B; hemo binding/iron ion binding /monooxygenase/oxygen binding /putative cytochrome P450
Smo_ATSG0500_77_1
Smo_ATSG0500_106_1
Smo_ATSG0500_50_1
Smo_ATSG0500_99_1
Smo_ATSG0500_93_1
Smo_ATSG0500_100_1
Smo_ATSG0500_99_1
Smo_ATSG0500_11_1
Smo_ATSG0500_113_2
Smo_ATSG0500_9_1
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
XP_478431 Oryza sativa (japonica cultivar-group) BAC19981 putative 5-alpha-taxadienol-10-beta-hydroxylase/putative 5-alpha-taxadienol-10-beta-hydroxylase
XP_478430 Oryza sativa (japonica cultivar-group) BAC79654 putative 5-alpha-taxadienol-10-beta-hydroxylase/putative 5-alpha-taxadienol-10-beta-hydroxylase
NP_912319 Oryza sativa (japonica cultivar-group) BAD26087 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)
Smo_ATSG0500_14_1
Smo_ATSG0500_46_1 ●
AT5G45340 = NP_851138 NP_199347 BAB10355 AAL57698 AAM26703 BAD16630 CYP707A3; hemo binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450 /ATSg45340/K6E15_12 /A
AT4G19230 = NP_567581 NP_974574 CAA16713 CAB78925 AAK93657 AAM11385 BAD16629 CYP707A1; hemo binding/iron ion binding /monooxygenase/oxygen binding /CYP707A1; hemo binding /iron ion binding /monooxygenase/oxygen binding /cytochrome P450 /cytochrome P
ABA55732 Solanum tuberosum ABA 8'-hydroxylase CYP707A1
ABB71585 Hordeum vulgare subsp. vulgare ABA 8'-hydroxylase 1
Smo_ATSG0500_91_1
AAN52563 Solanum tuberosum ABA 8'-hydroxylase CYP707A2
AAZ23260 Nicotiana tabacum cytochrome P450 monooxygenase
AT3G19270 = NP_566628 BAB20366 AAM61824 CYP707A4; hemo binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450 /cytochrome P450, putative
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) BAD93067 putative cytochrome P450/putative cytochrome P450
AT2G29090 = NP_180473 AAC33235 CYP707A2; hemo binding/iron ion binding /monooxygenase/oxygen binding /putative cytochrome P450
AAF79438 Arabidopsis thaliana F18O14.38
XP_493865 Oryza sativa (japonica cultivar-group) AAW56889 AAG30295 similar to Arabidopsis chromosome BAC genomics sequences (AC025808); unknown protein/unknown protein /unknown protein
XP_470337 Oryza sativa (japonica cultivar-group) AAR88592 putative cytochrome P450/putative cytochrome P450
ATSG0500 = NP_196188 Q42569 CAA60739 CAA60794 BAB09663 AAK68777 AAK96630 AAL36072 AAM10042 AAM65068 CPD (CABBAGE 3); hemo binding/iron ion binding /monooxygenase/oxygen binding /C90A1_ARATH Cytochrome P450 90A1/CYP90 protein /CYP90 protein /cytoch
CAD27417 Nicotiana tabacum cytochrome P450
AAF89209 Vigna radiata cytochrome P450
ABC68409 Glycine max cytochrome P450 monooxygenase CYP90A
BAD09073 Oryza sativa (japonica cultivar-group) ABA91412 cytochrome P450/cytochrome p450 90a1
BAD09074 Oryza sativa (japonica cultivar-group) ABA95785 cytochrome P450/cytochrome p450 90a1
ABC94481 Artemisia annua putative steroid 23-alpha-hydroxylase cytochrome P450
BAE16977 Zinnia elegans steroid 23-alpha-hydroxylase
BAE16978 Zinnia elegans steroid 23-alpha-hydroxylase
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
XP_478110 Oryza sativa (japonica cultivar-group) AAT44315 AAW59373 putative cytochrome P450 /putative cytochrome P450
AT3G13730 = NP_566462 BAB01102 BAB62109 AAD42111 AAO50626 CYP90D1; hemo binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450-like protein /CYP90D /putative cytochrome P450 /putative cytochrome P450
AT4G36380 = NP_568802 Q9M9N0 D85429 BAB10850 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_ATSG0500_76_1 Smo_ATSG0500_29_1
Smo_ATSG0500_138_1
Smo_ATSG0500_23_1
Q69F98 Phaseolus vulgaris AAR13307 C85A_PHAVU Cytochrome P450 85A (C6-oxidase)/cytochrome P450
ABB60086 Vitis vinifera brassinosteroid-6-oxidase
Q43147 Lycopersicon esculentum AAB17070 C85A1_LYCES Cytochrome P450 85A1 (C6-oxidase) (Dwarf protein)/cytochrome P450 homolog
AT5G38970 = NP_851105 NP_199611 NP_851152 NP_001032030 BAB11064 CYP708A2; hemo binding/iron ion binding /monooxygenase/oxygen binding /CYP708A2; hemo binding /iron ion binding /monooxygenase/oxyg