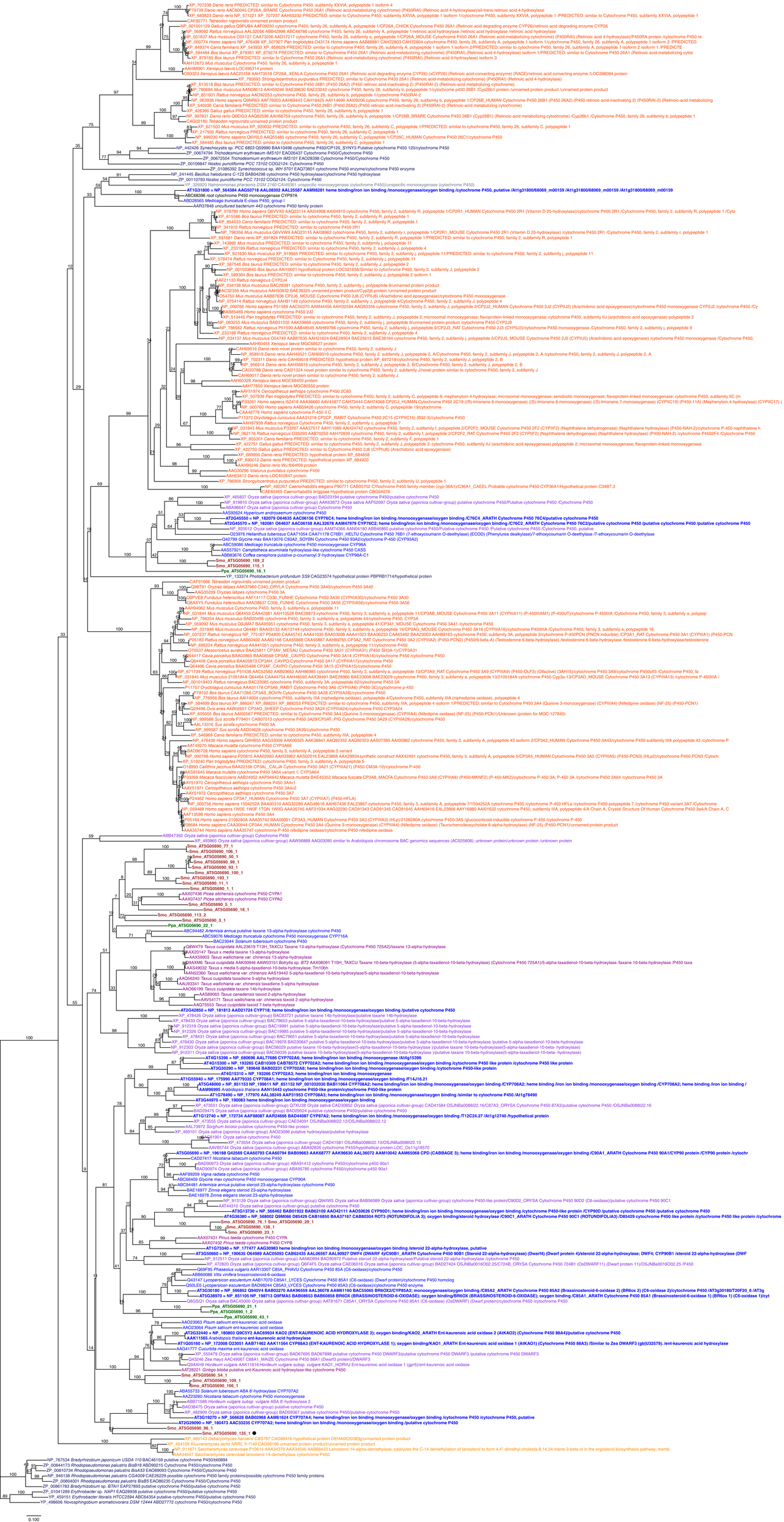
CPD (ATSG05690): partial tree
File name: ATSG05690_pt16.nwg
165 aa residues 284 OTU included.
Partial tree including Sho_ATSG05690_135_1.
Assemble Job Id: tF1SGN / selemNalign Job Id: ADW0jl
Tree job id: VlouRn
BP values out of 100
Analyzed by sumikawa@nibb.ac.jp
Date: Fri Jun 02 14:04:50 JST 2006


XP_707238 Danio rerio PREDICTED: similar to Cytochrome P450, subfamily XXVIA, polypeptide 1 isoform 4
Q79739 Danio rerio AAC60045 CP26A_BRARE Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RAI) (Retinoic acid 4-hydroxylase)/all-trans-retinoic acid 4-hydroxylase
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
CAF92771 Tetraodon nigroviridis unnamed protein product
NP_001001129 Gallus gallus Q8PUB4 AAF09250 cytochrome P450, family 26, subfamily A, polypeptide 1 /CP26A_CHICK Cytochrome P450 26A1 (Retinoic acid degrading enzyme CYP26)/retinoic acid degrading enzyme CYP26
XP_569093 Rattus norvegicus AAL32056 AIB42998 ABC46786 cytochrome P450, family 26, subfamily A, polypeptide 1/retinoic acid hydroxylase /retinoic acid hydroxylase
XP_031837 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
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
XP_849374 Canis familiaris XP_543933 XP_858629 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 3 /PREDICTE
NP_584484 Bos taurus XP_879361 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-metabolizing cytoc
XP_879185 Bos taurus PREDICTED: similar to Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RAI) (Retinoic acid 4-hydroxylase) isoform 3
AAH12673 Mus musculus Cytochrome P450, family 26, subfamily a, polypeptide 1
AAH88901 Xenopus laevis LOC496314 protein
Q93323 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_785693 Strongylocentrotus purpuratus PREDICTED: similar to Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RAI) (Retinoic acid 4-hydroxylase)
XP_613518 Bos taurus PREDICTED: similar to Cytochrome P450 26B1 (P450 26A2) (P450 retinoic acid-inactivating 2) (P450RAI-2) (Retinoic-acid metabolizing cytochrome)
NP_780684 Mus musculus AAN06013 AAH59245 BAE38630 BAE33432 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_063938 Homo sapiens Q9NR63 AAF76003 AAH69443 CBH15425 AAY14080 AAU06206 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_540236 Canis familiaris PREDICTED: similar to Cytochrome P450 26B1 (P450 26A2) (P450 retinoic acid-inactivating 2) (P450RAI-2) (Retinoic-acid metabolizing cytochrome)
XP_426366 Gallus gallus PREDICTED: similar to cytochrome P450, family 26, subfamily b, polypeptide 1
NP_997831 Danio rerio Q6EIG3 AAQ88614 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 Q6VVL0 AAQ55485 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 Q59990 BAA10496 cytochrome P450/CP120_SYNY3 Putative cytochrome P450 120/cytochrome P450
ZP_00674794 Trichodesmium erythraeum IMS101 EAG26437 Cytochrome P450/Cytochrome P450
ZP_00672504 Trichodesmium erythraeum IMS101 EAG28398 Cytochrome P450/Cytochrome P450
ZP_00109847 Nostoc punctiforme PCC 73102 CGG2124; Cytochrome P450
ZP_01086392 Synechococcus sp. WH 5701 EAQ73801 cytochrome P450 enzyme/cytochrome P450 enzyme
NP_241445 Bacillus halodurans C-125 BAB04298 cytochrome P450 hydroxylase/cytochrome P450 hydroxylase
ZP_00110793 Nostoc punctiforme PCC 73102 CGG2124; Cytochrome P450
ZP_00935903 Nitrosomonas sharxiensis DAC21667 CAA10183 unspecific monooxygenase (cytochrome P450)/unspecific monooxygenase (cytochrome P450)
AT1G31800 = NP_564384 AAQ50718 AAL08302 AAL25587 AAM98281 heme binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450, putative /At1g31800/68069_m00159 /At1g31800/68069_m00159
ABC68396 root cytochrome P450 monooxygenase CYP97A
ABD28565 Medicago truncatula E-class P450, group I
AAR37848 uncultured bacterium 443 cytochrome P450 family protein
XP_078790 Homo sapiens Q6VVX0 AAQ23114 AAH04908 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_615586 Bos taurus PREDICTED: similar to cytochrome P450, family 2, subfamily R, polypeptide 1
XP_854533 Canis familiaris 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
NP_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 j, polypeptide 11
XP_233199 Rattus norvegicus PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 4
NP_062135 Mus musculus XP_915565 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
XP_587546 Bos taurus PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 2
NP_001093640 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
P_034138 Mus musculus BAC28391 cytochrome P450, family 2, subfamily j, polypeptide 6/unnamed protein product
BAC32356 Mus musculus AAH50832 BAE38325 unnamed protein product/Cyp2j6 protein /unnamed protein product
NP_954750 Mus musculus AAB87636 CP2J5_MOUSE Cytochrome P450 2J6 (Arachidonic acid epoxygenase)/cytochrome P450 monooxygenase
NP_075414 Rattus norvegicus AAH91149 cytochrome P450, family 2, subfamily J, polypeptide 4/Cytochrome P450, family 2, subfamily J, polypeptide 4
NP_000766 Homo sapiens P51589 AAC50370 AAM44456 AAH32594 AAQ93356 cytochrome P450, family 2, subfamily J, polypeptide 2/CP2J2_HUMAN Cytochrome P450 2J2 (CYPIIJ2) (Arachidonic acid epoxygenase)/cytochrome P450 monooxygenase CYP2J2 /cytochrome P450 /Cy
AAB86480 Homo sapiens cytochrome P450 2J2
NP_513445 Pan troglodytes PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 2; microsomal monooxygenase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily IIJ (arachidonic acid epoxygenase) polypeptide 2
NP_062355 Mus musculus XP_915565 PREDICTED: similar to cytochrome P450, family 2, subfamily j, polypeptide 11/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 (CYPIIJ3)/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
NP_034137 Mus musculus Q54749 AAB97635 AAH21626 BAE28954 BAE28955 cytochrome P450, family 2, subfamily j, polypeptide 5/CP2J5_MOUSE Cytochrome P450 2J5 (CYPIIJ5) (Arachidonic acid epoxygenase) /cytochrome P450 monooxygenase /Cytochrome P450, subfamily IIC (m
AAH60455 Xenopus laevis MGC68527 protein
CAH69016 Danio rerio novel protein similar to cytochrome P450, family 2, subfamily J
NP_958919 Danio rerio AAH49521 CAH69019 cytochrome P450, family 2, subfamily J, polypeptide 2, A/Cytochrome P450, family 2, subfamily J, polypeptide 2, A /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 AAH56815 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
CAH69017 Danio rerio novel protein similar to cytochrome P450, family 2, subfamily J
AAH60329 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 19/cytochrome
CAA46778 Homo sapiens cytochrome P-450 II C
P11372 Oryctolagus cuniculus AAA31218 CP2CF_RABIT Cytochrome P450 2C15 (CYPIIC15) (B32-3)/cytochrome P450
AAH97939 Rattus norvegicus Cytochrome P450, family 2, subfamily c, polypeptide 7
NP_031843 Mus musculus P33267 AAA37517 AAH11069 AAH24742 cytochrome P450, family 2, subfamily f, polypeptide 2/CP2F2_MOUSE Cytochrome P450 2F2 (CYPIIF2) (Naphthalene dehydrogenase) (Naphthalene hydroxylase) (P450-NAH-2)/cytochrome P-450 naphthalene h
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 P450pf4 /Cytochrome P450
XP_855301 Canis familiaris PREDICTED: similar to cytochrome P450, family 2, subfamily F, polypeptide 1
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)
XP_689950 Danio rerio PREDICTED: hypothetical protein XP_684858
XP_690312 Danio rerio PREDICTED: hypothetical protein XP_684920
AAH95246 Danio rerio Wu:fb64f09 protein
AAG30290 Ictalurus punctatus cytochrome P450
AAH53412 Danio rerio LOC432847 protein
XP_786956 Strongylocentrotus purpuratus PREDICTED: similar to cytochrome P450, family 2, subfamily U, polypeptide 1
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
XP_465837 Oryza sativa (japonica cultivar-group) BAD23194 putative cytochrome P450/putative cytochrome P450
NP_919810 Oryza sativa (japonica cultivar-group) AAK63873 Oryza sativa AAPS2097 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
AT2G45500 = NP_182071 O64637 AAC06158 AAL32678 AAM47979 CYP76C2; heme binding/iron ion binding /monooxygenase/oxygen binding /C76C4_ARATH Cytochrome P450 76C4/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 /putative cytochrome P450
NP_920012 Oryza sativa (japonica cultivar-group) AAM74366 AAN04180 ABB46880 putative cytochrome P450/Putative cytochrome P450 /Cytochrome P450, putative
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
Q42799 Glycine max BAA13076 O39A2_SOYBN Cytochrome P450 93A2/cytochrome P-450 (CYP93A2)
ABC59696 Medicago truncatula cytochrome P450 monooxygenase CYP98A
AAS57921 Capsicum annuum hydroxylase-like cytochrome P450 CASS
ABB83676 Coffea canephora putative p-coumaroyl 3'-hydroxylase CYP98A-C1
Sho_ATSG05690_169_2
Smo_ATSG05690_115_1
Ppa_ATSG05690_16_1
YP_133374 Photobacterium profundum SS9 CAG23574 hypothetical protein PBPRB1714/hypothetical protein
CAF91666 Tetraodon nigroviridis unnamed protein product
Q9RT91 Oryzias latipes AAK27960 C340_ORYLA Cytochrome P450 340/cytochrom P450 3A40
AAG35209 Oryzias latipes cytochrome P450 3A
Q9PVE8 Fundulus heteroclitus AAF11417 CI30_FUNHE Cytochrome P450 3A30 (CYPIIIA30)/cytochrome P450 3A30
Q8AXY5 Fundulus heteroclitus AAN38837 CI36_FUNHE Cytochrome P450 3A36 (CYPIIIA36)/cytochrome P450 3A36
AAH94062 Mus musculus Cytochrome P450, family 3, subfamily a, polypeptide 11
NP_031844 Mus musculus O64459 CP3A1_MOUSE 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, polypep
NP_796354 Mus musculus BAB20498 cytochrome P450, family 3, subfamily a, polypeptide 44/cytochrome P450, CYP3A
NP_059092 Mus musculus Q9JMA7 BAA56951 cytochrome P450, family 3, subfamily a, polypeptide 41/CP341_MOUSE Cytochrome P450 3A41 /cytochrome P450
NP_031846 Mus musculus O54448 AAA01531 AAH13144 cytochrome P450, family 3, subfamily a, polypeptide 16/CP3AQ_MOUSE Cytochrome P450 3A16 (CYPIIIA16)/cytochrome P450IIIA /Cytochrome P450, family 3, subfamily a, polypeptide 16
NP_037237 Rattus norvegicus NP_775167 P04800 CAA45743 AAA41035 BAA03008 AAA41023 BAA06233 CAA45482 BAA23003 AAH88163 cytochrome P450, subfamily 3A, polypeptide 3/cytochrome P-450PCN (PNCN inducible) /CP3A1_RAT Cytochrome P450 3A1 (CYPIIIA1) (P450-PCN
P05183 Rattus norvegicus AAB60490 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 AAA41951 cytochrome P450, family 3, subfamily a, polypeptide 9/cytochrome P450
O70537 Mesocricetus auratus BAA25811 CP3AV_MESAU Cytochrome P450 3A31 (CYPIIIA31) (P450 SHGA-1)/CYP3A31
O64417 Cavia porcellus BAA03865 BAA08568 CP3AE_CAVPO Cytochrome P450 3A14 (CYPIIIA14)/cytochrome P450
Q64409 Cavia porcellus BAA05873 CP3AH_CAVPO Cytochrome P450 3A17 (CYPIIIA17)/cytochrome P450
O64406 Cavia porcellus BAA05498 CP3AF_CAVPO Cytochrome P450 3A15 (CYPIIIA15)/cytochrome P450
NP_671739 Rattus norvegicus P51538 AAC05282 AAB08267 AAH86985 cytochrome P450, family 3, subfamily a, polypeptide 13/CP3A9_RAT Cytochrome P450 3A9 (CYPIIIA9) (P450-OLF3) (Olfactive) (3AH15)/cytochrome P450 3A9/cytochrome P450olf3 /Cytochrome P450, fa
NP_031845 Mus musculus 2105184A Q64464 CAA44754 AAH46592 AAX39491 BAE28966 BAE29008 BAE29029 cytochrome P450, family 3, subfamily a, polypeptide 13/2105184A cytochrome P450 Cyp3a-13/CP3AD_MOUSE Cytochrome P450 3A13 (CYPIIIA13) /cytochrome P-450IIIA /
NP_001019403 Rattus norvegicus BAC03985 cytochrome P450, family 3A, polypeptide 3/cytochrome P450 3A
P11707 Oryctolagus cuniculus AAA31178 CP3A6_RABIT Cytochrome P450 3A6 (CYPIIIA6) (P450-3C)/cytochrome p-450
P79102 Bos taurus CAA71266 CP3AS_BOVIN Cytochrome P450 3A28 (CYPIIIA28)/cytochrome P450
NP_776956 Bos taurus AA14004 cytochrome P450, subfamily IIIA (nifedipine oxidase) /cytochrome 4/Cytochrome P450, subfamily IIIA (nifedipine oxidase), polypeptide 4
NP_584699 Bos taurus XP_888247 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
P_605055 Bos taurus AA02957 PREDICTED: similar to Cytochrome P450 3A4 (Quinine 3-monooxygenase) (CYPIIIA4) (Nifedipine oxidase) (NF-25) (P450-PCN1)/Unknown (protein for MGC:127840)
NP_999588 Sus scrofa P79401 CAB07513 cytochrome P450 3A29/CP3AT_PIG Cytochrome P450 3A29 (CYPIIIA29)/cytochrome P450
LAL13616 Sus scrofa cytochrome P450 3A
NP_999587 Sus scrofa AAD04628 cytochrome P450 3A39/cytochrome P450
NP_546969 Canis familiaris PREDICTED: similar to cytochrome P450, subfamily IIIA, polypeptide 4
NP_476436 Homo sapiens Q9HB55 AAG33009 AAK00325 AAK39411 AAO92352 AAO92353 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
AAT49270 Macaca mulatta cytochrome P450 CYP3A66
BAD96726 Homo sapiens cytochrome P450, family 3, subfamily A; polypeptide 5 variant
NP_000768 Homo sapiens P20815 AAA02993 AAH33862 AAS02016 EAL23868 AAX29934 synthetic construct AAX42491 cytochrome P450, family 3, subfamily A, polypeptide 5/CP3A5_HUMAN Cytochrome P450 3A5 (CYPIIIA5) (P450-PCN3) (HLp2)/cytochrome P450 PCN3 /Cytoch
XP_519240 Pan troglodytes PREDICTED: cytochrome P450, family 3, subfamily A, polypeptide 5
O18959 Callithrix jacchus BAA23156 CP3AL_CALJA Cytochrome P450 3A21 (CYPIIIA21) (P450 CM3A-10)/cytochrome P-450
BAS91645 Macaca mulatta cytochrome P450 3A64 variant 1; CYP3A64
AAS3068 Macaca fascicularis AAB24952 AAP94642 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 3Av1
AAY51971 Cercopithecus aethiops cytochrome P450 3Av2
AAY51972 Cercopithecus aethiops cytochrome P450 3Av3
P24462 Homo sapiens CP3A7_HUMAN Cytochrome P450 3A7 (CYPIIIA7) (P450-HFLA)
NP_000756 Homo sapiens 1504252A BAA00310 AAG32269 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
NP_059488 Homo sapiens 1WDE 1WXF 1TQN 1WG5 AAA35745 AAF71034 AAG32290 CAD91343 CAD91345 CAD91645 AAH69418 EAL23866 AAY16880 AAO1632 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
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
ABB47392 Oryza sativa (japonica cultivar-group) Cytochrome P450
XP_493865 Oryza sativa (japonica cultivar-group) AAW56889 AAG03095 similar to Arabidopsis chromosome BAC genomics sequences (AC025808); unknown protein/unknown protein /unknown protein
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_1_1
AAX07436 Picea sitchensis cytochrome P450 CYPA1
AAX07437 Picea sitchensis cytochrome P450 CYPA2
Smo_ATSG05690_5_1
Smo_ATSG05690_18_1
Smo_ATSG05690_113_2
Smo_ATSG05690_3_1
Ppa_ATSG05690_22_1
ABC94482 Artemisia annua putative taxane 13-alpha-hydroxylase cytochrome P450
ABC59076 Medicago truncatula cytochrome P450 monooxygenase CYP716A
BAC23044 Solanum tuberosum cytochrome P450
QBW47 9 Taxus cuspidata AAL33619 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
Q9AXM6 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
AAS49032 Taxus x media 5-alpha-taxadienol-10-beta-hydroxylase; Tm10bh
AAN52390 Taxus wallichiana var. chinensis AAS19442 5-alpha-taxadienol-10-beta-hydroxylase/5-alpha-taxadienol-10-beta-hydroxylase
AAQ56240 Taxus cuspidata taxadiene 5-alpha hydroxylase
AAU93341 Taxus wallichiana var. chinensis taxadiene 5-alpha hydroxylase
AAO66199 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
AT2G42850 = NP_181813 AAD21724 CYP71B; heme binding/iron ion binding /monooxygenase/oxygen binding /putative cytochrome P450
XP_478429 Oryza sativa (japonica cultivar-group) BAC57201 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
NP_912319 Oryza sativa (japonica cultivar-group) BAC19981 putative 5-alpha-taxadienol-10-beta-hydroxylase/putative 5-alpha-taxadienol-10-beta-hydroxylase
NP_912326 Oryza sativa (japonica cultivar-group) BAC19985 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)
AT4G15310 = NP_192606 AAL77686 CYP702A5; heme binding/iron ion binding /monooxygenase /At4g15306
AT4G15300 = NP_193265 CAB10309 CAB78572 CYP702A2; heme binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450 like protein /cytochrome P450 like protein
AT3G30290 = NP_189648 BAB02231 CYP702A8; heme binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450-like protein
AT4G15310 = NP_193256 CYP702A3; heme binding/iron ion binding /monooxygenase
AT1G55940 = NP_175990 AAF79335 CYP708A1; heme binding/iron ion binding /monooxygenase/oxygen binding /F14J16.21
AT3G48460 = NP_851153 NP_179611 NP_851152 NP_001033200 BAB11064 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 /cytochrome P450 /At1g78490
AT3G49671 = NP_190083 heme binding/iron ion binding /monooxygenase/oxygen binding
XP_473551 Oryza sativa (japonica cultivar-group) Q7XUI8 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) BAD30847 putative cytochrome P450/putative cytochrome P450
AT1G12740 = NP_172734 AAF88087 AAR24666 BAD44087 CYP87A2; heme binding/iron ion binding /monooxygenase/oxygen binding /T12C24.27 /At1g12740 /hypothetical protein
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
NP_681901 Oryza sativa cytochrome P450
XP_473554 Oryza sativa (japonica cultivar-group) CAD41581 OSJNBa0088I22.13/OSJNBa0088I22.13
AAV85744 Oryza sativa (japonica cultivar-group) ABA92826 cytochrome P450/hypothetical protein LOC_Os11g18570
AT5G09460 = NP_196198 Q42599 CAA56793 CAA60794 BAB09663 AAK58777 AAK96630 AAL36072 AAM10042 AAM65068 CPD (CABBAGE 3); heme binding/iron ion binding /monooxygenase/oxygen binding /C90A1_ARATH Cytochrome P450 90A1/CYP90 protein /CYP90 protein /cytochr
CAD27417 Nicotiana tabacum cytochrome P450
BAD90973 Oryza sativa (japonica cultivar-group) ABA91412 cytochrome P450/cytochrome p450 90a1
BAD90974 Oryza sativa (japonica cultivar-group) ABA98785 cytochrome P450/cytochrome p450 90a1
AAF89209 Vigna radiata cytochrome P450
ABC68409 Glycine max cytochrome P450 monooxygenase CYP90A
ABC94481 Artemisia annua putative steroid 23-alpha-hydroxylase cytochrome P450
BAE16977 Zinnia elegans steroid 23-alpha-hydroxylase
BAE16978 Zinnia elegans steroid 23-alpha-hydroxylase
XP_913139 Oryza sativa (japonica cultivar-group) Q94IW5 Oryza sativa BABS6089 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 BAB01922 BAB82109 AAD21111 AAO50626 CYP90D1; heme binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450-like protein /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
Smo_ATSG05690_23_1
AAX07431 Pinus taeda cytochrome P450 CYPA
AAX07432 Pinus taeda cytochrome P450 CYPB
AT1G73340 = NP_177477 AAG30983 heme binding/iron ion binding /monooxygenase/oxygen binding /steroid 22-alpha-hydroxylase, putative
AT3G50660 = NP_190635 O64589 AAC05093 CAB82435 AAL06567 AAL90927 DWF4 (DWARF 4)/CP90B1_ARATH Cytochrome P450 90B1 (Steroid 22-alpha-hydroxylase) (Dwarf4) (Dwarf protein 4)/steroid 22-alpha-hydroxylase; DWF4; CYP90B1 /steroid 22-alpha-hydroxylase (DWF
NP_912511 Oryza sativa (japonica cultivar-group) AAN60994 BAD90972 Putative steroid 22-alpha-hydroxylase/Putative steroid 22-alpha-hydroxylase /cytochrome P450
XP_473553 Oryza sativa (japonica cultivar-group) Q6F4F5 Oryza sativa CAE06016 Oryza sativa (japonica cultivar-group) BAD27424