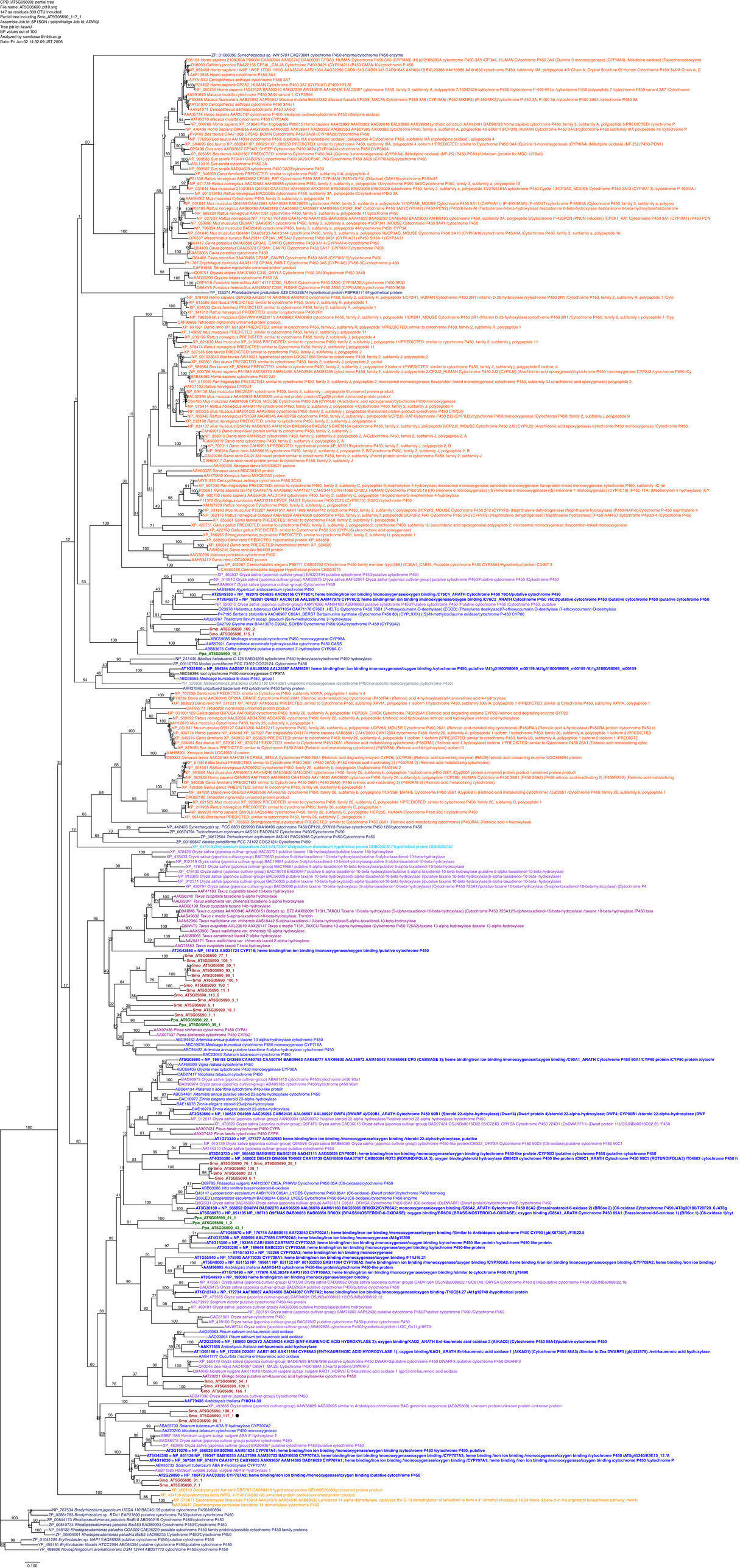
CPD (ATSG05690): partial tree
File name: ATSG05690_pt10.svg
147 aa residues 303 OTU included.
Partial tree including Smo_ATSG05690_117_1.
Assemble Job ID: 6iFSGN / selentNalign Job Id: ADW0jl
Tree job id: 4zuvU
BP values out of 100
Analyzed by sumikawa@nibb.ac.jp
Date: Fri Jun 02 14:32:09 JST 2006


ZP_01086392 Synechococcus sp. WH 5701 EAQ73801 cytochrome P450 enzyme/cytochrome P450 enzyme
P05184 Homo sapiens 2108280A P08684 CAA30944 AAA35742 BAA00001 CP3A3_HUMAN Cytochrome P450 3A3 (CYP3IIA3) (HLp)/2108280A cytochrome P450-3A5 /CP3A4_HUMAN Cytochrome P450 3A4 (Quinine 3-monooxygenase) (CYPIIIA4) (Nifedipine oxidase) (Taurochenodeoxycho
O12893 Callithrix jacchus BAA22156 CP3AL_CALJA Cytochrome P450 3A21 (CYPIIIA21) (P450 CMSA-10)/cytochrome P-450
NP_059488 Homo sapiens 1W0E 1W0F 1TQN 1W0G AAA35745 AAF21034 AAG32290 CAD91343 CAD91645 AAH69418 EAL28866 AAV16980 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
AAV51972 Cercopithecus aethiops cytochrome P450 3A7
P24462 Homo sapiens CP3A7_HUMAN Cytochrome P450 3A7 (CYPIIIA7) (P450-HFLa)
NP_000756 Homo sapiens 1504252A BAA00310 AAG32689 AAG46618 AAH67436 EAL23867 cytochrome P450, family 3, subfamily A, polypeptide 7/1504252A 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 AAB24932 AAP94642 Macaca mulatta BAE45352 Macaca fascicularis CP3A8_MACFA Cytochrome P450 3A8 (CYPIIIA8) (P450-MKNF2) (P-450-MK2)/cytochrome P-450 3A; P-450 3A /cytochrome P450 3A64 /cytochrome P450 3A
AAV51970 Cercopithecus aethiops cytochrome P450 3A4v1
AAV51971 Cercopithecus aethiops cytochrome P450 3A4v2
AAA35744 Homo sapiens AAA35747 cytochrome P-450 nifedipine oxidase/cytochrome P450 nifedipine oxidase
AAT49270 Macaca mulatta cytochrome P450 CYP3A66
NP_000768 Homo sapiens XP_516040 Pan troglodytes P20815 Homo sapiens AAA02993 AAH33862 AAS02016 EAL23868 AAX29934/synthetic construct AAX42491 BAD96728 Homo sapiens cytochrome P450, family 3, subfamily A, polypeptide 5/PREDICTED: cytochrome P
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
P79100 Bos taurus EAA71356 CP3AO_BOVIN Cytochrome P450 3A29 (CYPIIIA29) /cytochrome P450
NP_776956 Bos taurus AAI14004 cytochrome P450, subfamily IIIA (nifedipine oxidase), polypeptide 4/Cytochrome P450, subfamily IIIA (nifedipine oxidase), polypeptide 4
NP_958499 Bos taurus XP_868247 XP_868251 XP_868253 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
NP_605055 Bos taurus AAI02567 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
AAL13316 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
Q15138 Rattus norvegicus AAB03662 CP3A2_RAT Cytochrome P450 3A9 (CYPIIIA9) (P450-3CLC-like)/cytochrome P450ot3
NP_671739 Rattus norvegicus AAC52582 AAH86895 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 AAH66592 AAX39491 BAE28966 BAE28008 BAE23029 cytochrome P450, family 3, subfamily a, polypeptide 16/2105184A cytochrome P450 Cyp3a-13/CP3AD_MOUSE Cytochrome P450 3A13 (CYPIIIA13) /cytochrome P-450IIIA /
NP_001019403 Rattus norvegicus BAC22085 cytochrome P450, subfamily 3A, polypeptide 62/cytochrome P450
AAH94062 Mus musculus Cytochrome P450, family 3, subfamily a, polypeptide 11
NP_031844 Mus musculus Q64459 CAA42981 AAH11028 BAE28873 cytochrome P450, family 3, subfamily a, polypeptide 11/CP3AB_MOUSE Cytochrome P450 3A11 (CYPIIIA11) (P-450IIIMA11) (P-450UT)/cytochrome P-450IIIA /Cytochrome P450, family 3, subfamily a, polypeptide
NP_036183 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_695204 Rattus norvegicus AAA41051 cytochrome P450, family 3, subfamily a, polypeptide 11/cytochrome P450
NP_037237 Rattus norvegicus NP_775167 P04800 CAA25743 AAA41035 BAA00008 AAA41023 BAA06033 CAA54582 BAA23003 AAH88163 cytochrome P450, subfamily 3A, polypeptide 3/Cytochrome P-450PCN (PNCN inducible) /CP3A1_RAT Cytochrome P450 3A1 (CYPIIIA1) (P450-PCN
NP_059092 Mus musculus Q9JMA7 BAA59571 cytochrome P450, family 3, subfamily a, polypeptide 41/CP341_MOUSE Cytochrome P450 3A41 /cytochrome P450
NP_796354 Mus musculus BAB30498 cytochrome P450, family 3, subfamily a, polypeptide 9/cytochrome P450
NP_031846 Mus musculus Q64481 BAA03133 AAI13144 cytochrome P450, family 3, subfamily a, polypeptide 16/CP3AG_MOUSE Cytochrome P450 3A16 (CYPIIIA16)/cytochrome P450IIIA /Cytochrome P450, family 3, subfamily a, polypeptide 16
O70537 Mesocricetus auratus BAA35811 CP3AV_MESAU Cytochrome P450 3A31 (CYPIIIA31) (P450 SHA-1)/CYP3A31
Q64417 Cavia porcellus BAA08568 CP3AC_CAVPO Cytochrome P450 3A14 (CYPIIIA14)/cytochrome P450
Q64409 Cavia porcellus BAA05873 CP3AH_CAVPO Cytochrome P450 3A17 (CYPIIIA17)/cytochrome P450
AAA53995 Cavia porcellus cytochrome P450
Q64406 Cavia porcellus BAA05498 CP3AF_CAVPO Cytochrome P450 3A15 (CYPIIIA15)/cytochrome P450
P11707 Oryctolagus cuniculus AAA31178 CP3A6_RABIT Cytochrome P450 3A6 (CYPIIIA6) (P450-3C)/cytochrome p-450
CAF91666 Tetraodon nigroviridis unnamed protein product
Q98791 Oryzias latipes AAK27960 C340_ORYLA Cytochrome P450 3A40/cytochrom P450 3A40
AAS35209 Oryzias latipes cytochrome P450 3A
Q9PVE8 Fundulus heteroclitus AAF14117 C330_FUNHE Cytochrome P450 3A30 (CYPIIIA30)/cytochrome P450 3A30
Q9IAY5 Fundulus heteroclitus AAN38837 C356_FUNHE Cytochrome P450 3A56 (CYPIIIA56)/cytochrome P450 3A56
YP_133374 Photobacterium profundum SS9 CAG23574 hypothetical protein PBPRB1714/hypothetical protein
NP_078790 Homo sapiens Q6VVX0 AAQ33114 AAI40408 AAI04910 cytochrome P450, subfamily 2R, 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
XP_341910 Rattus norvegicus PREDICTED: similar to cytochrome P450 2R1
NP_796356 Mus musculus Q6VVW9 AAQ23115 AAI08962 AAI08963 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 /Cyp
CAF99555 Tetraodon nigroviridis unnamed protein product
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 1
XP_233199 Rattus norvegica 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 J, polypeptide 11/PREDICTED: similar to cytochrome P450, family 2, subfamily j, polypeptide 11
Q19474 Rattus norvegica PREDICTED: similar to Cytochrome P450, family 2, subfamily j, polypeptide 3
XP_587546 Bos taurus PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 2
NP_001033640 Bos taurus AAU10071 hypothetical protein LOC521656/Similar to cytochrome P450, family 2, subfamily J, polypeptide 2
XP_602861 Bos taurus PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 2, partial
XP_589364 Bos taurus XP_879164 PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 2 isoform 1/PREDICTED: similar to cytochrome P450, family 2, subfamily j, polypeptide 9 isoform 4
NP_000766 Homo sapiens P51589 AAC50370 AAH34594 AAH36356 cytochrome P450, family 2, subfamily J, polypeptide 2/CP2J2_HUMAN Cytochrome P450 2J2 (CYPIIJ2) (Arachidonic acid epoxygenase)/cytochrome P450 2J2 /Cytochrome P450 /Cy
BAB85489 Homo sapiens cytochrome P450 2J2
XP_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
AAF21133 Rattus norvegicus CYP2J4
NP_034138 Mus musculus BAC28391 cytochrome P450, family 2, subfamily j, polypeptide 6/unnamed protein product
BAC33356 Mus musculus AAH50832 BAE38325 unnamed protein product/Cyp2j6 protein /unnamed protein product
O54750 Mus musculus AAB87636 CP2J6_MOUSE Cytochrome P450 2J6 (CYPIIJ6) (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_083255 Mus musculus BAB31202 AAK59808 cytochrome P450, family 2, subfamily j, polypeptide 9/unnamed protein product /cytochrome P450 CYP2J9
NP_786942 Rattus norvegicus P51590 AAB45545 AAH89766 cytochrome P450, family 2, subfamily j, polypeptide 9/CP2J3_RAT Cytochrome P450 2J3 (CYPIIJ3)/cytochrome P450 2J3 /Cytochrome P450, family 2, subfamily j, polypeptide 9
XP_233198 Rattus norvegica PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 4
XP_034137 Mus musculus O54749 AAB87635 AAH21624 BAE28954 BAE29515 BAE38164 cytochrome P450, family 2, subfamily j, polypeptide 5/CP2J5_MOUSE Cytochrome P450 2J5 (CYPIIJ5) (Arachidonic acid epoxygenase) /cytochrome P450 monooxygenase /Cytochrome P450,
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
CAH69010 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_956104 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
CAH69017 Danio rerio novel protein similar to cytochrome P450, family 2, subfamily J
AAH60455 Xenopus laevis MGC68527 protein
AAH60328 Xenopus laevis MGC68450 protein
AAH77850 Xenopus laevis MGC80550 protein
AAV51974 Cercopithecus aethiops cytochrome P450 2C83
NP_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 S2418 CAA46779 AAA36660 AAV41877 CAH73444 CAH74068 CP2C2_HUMAN Cytochrome P450 2C19 ((R)-limonene 6-monooxygenase) ((S)-limonene 6-monooxygenase) ((S)-limonene 7-monooxygenase) (CYPIIC19) (P450-11A) (Mephenytoin 4-hydroxylase) (CY
NP_000760 Homo sapiens AAB59426 AAL31348 cytochrome P450, family 2, subfamily C, polypeptide 18/cytochrome b-mephenytoin 4-hydroxylase
P11707 Oryctolagus cuniculus AAA31218 CP2CF_RABIT Cytochrome P450 2C15 (CYPIIC15) (B32-3)/cytochrome P450
AAH39709 Rattus norvegicus Cytochrome P450, family 2, subfamily c, polypeptide 7
NP_031843 Mus musculus P33267 AAA37517 AAH11089 AAH53742 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 P450 2F2 /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; microsomal monooxygenase; flavoprotein-linked monooxygenase
XP_422750 Gallus gallus PREDICTED: similar to Cytochrome P450 2J6 (CYPIIJ6) (Arachidonic acid epoxygenase)
XP_786958 Strongylocentrotus purpuratus PREDICTED: similar to cytochrome P450, family 2, subfamily IJ, polypeptide 1
XP_689950 Danio rerio PREDICTED: hypothetical protein XP_684858
XP_690012 Danio rerio PREDICTED: hypothetical protein XP_684920
AAH95246 Danio rerio Wu:fb64i09 protein
AAG30296 Ictalurus punctatus cytochrome P450
AAH53412 Danio rerio LOC402847 protein
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) AAK03873 Oryza sativa AAP52097 Oryza sativa (japonica cultivar-group) putative cytochrome P450/Putative cytochrome P450 /Cytochrome P450
ABA99501 Oryza sativa (japonica cultivar-group) Cytochrome P450
AAS92624 Hypericum androsaemum cytochrome P450
ATG45550 = NP_182081 Q64637 AAC06156 CYP76C4; heme binding/iron ion binding /monooxygenase/oxygen binding /C76C4_ARATH Cytochrome P450 76C4/putative cytochrome P450
ATG45570 = NP_182081 Q64637 AAC06158 AAL32678 AAM47979 CYP76C2; heme binding/iron ion binding /monooxygenase/oxygen binding /C76C2_ARATH Cytochrome P450 76C2/putative cytochrome P450 /putative cytochrome P450 /Cytochrome P450
NP_920512 Oryza sativa (japonica cultivar-group) AAM51496 AAP54618 putative cytochrome P450/Putative cytochrome P450, putative
Q23976 Helianthus tuberosus CAA71054 CAA71178 C76B1_HELTU Cytochrome P450 76B1 (7-ethoxycoumarin O-deethylase) (ECOD) (Phenylurea dealkylase)/7-ethoxycoumarin O-deethylase /7-ethoxycoumarin O-deethylase
P47195 Berberis stolonifera AAC49897 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
Q42799 Glycine max BAA13076 C93A2_SOYBN Cytochrome P450 93A2/cytochrome P-450 (CYP93A2)
Smo_ATSG05690_169_2
Smo_ATSG05690_115_1
ABC59096 Medicago truncatula cytochrome P450 monooxygenase CYP98A
AAS57921 Camptotheca acuminata hydroxylase-like cytochrome P450 CASS
ABB83676 Coffea canephora putative p-coumaroyl-3'-hydroxylase CYP98A-C1
Ppa_ATSG05690_16_1
NP_244145 Bacillus halodurans C-125 BAB04298 cytochrome P450 hydroxylase/cytochrome P450 hydroxylase
ZP_00113933 Nostoc punctiforme PCC 73102 CAQ02124 Cytochrome P450
ATG31800 = NP_564384 AAG50718 AAL80302 AAL25587 AAM98281 heme binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450, putative /At1g31800/68069_m00159 /At1g31800/68069_m00159 /At1g31800/68069_m00159
ABC68396 root cytochrome P450 monooxygenase CYP97A
ABD28565 Medicago truncatula E-class P450, group I
YP_326920 Nitrosomonas pharaonis DSM 2160 CAI49361 unspecific monooxygenase (cytochrome P450)/unspecific monooxygenase (cytochrome P450)
AAR57848 uncultured bacterium 443 cytochrome P450 family protein
XP_707238 Danio rerio PREDICTED: similar to Cytochrome P450, subfamily XXVIA, polypeptide 1 isoform 4
NP_001001129 Gallus gallus Q8PLB4 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 AAL32056 ABB42996 ABC48786 cytochrome P450, family 26, subfamily A, polypeptide 1/retinoic acid hydroxylase /retinoic acid hydroxylase /retinoic acid hydroxylase
AAH12673 Mus musculus Cytochrome P450, family 26, subfamily a, polypeptide 1
NP_031837 Mus musculus O55127 CAA73206 AAD17217 cytochrome P450, family 26, subfamily a, polypeptide 1/CP26A_MOUSE Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RA) (Retinoic acid 4-hydroxylase)/P450RA protein /cytochrome P450 re
NP_000774 Homo sapiens NP_476498 XP_507927 Pan troglodytes O43174 Homo sapiens AAB88681 CAH72803 CAH72804 cytochrome P450, family 26, subfamily A, polypeptide 1 isoform 1/cytochrome P450, family 26, subfamily A, polypeptide 1 isoform 2/PREDICTED
NP_849274 Canis familaris 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 1 /PREDICTED
NP_584484 Bos taurus XP_879361 XP_879274 PREDICTED: similar to Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RA1) (Retinoic acid 4-hydroxylase) isoform 1/PREDICTED: similar to Cytochrome P450 26A1 (Retinoic acid-metabolizing cytoc
NP_879185 Bos taurus PREDICTED: similar to Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RA1) (Retinoic acid 4-hydroxylase) isoform 3
AAH89901 Xenopus laevis LOC496314 protein
Q93323 Xenopus laevis AAC53158 AAK73518 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_851601 Rattus norvegicus AAO92253 cytochrome P450, family 26, subfamily b, polypeptide 1/cytochrome P450RAI-2
NP_780694 Mus musculus AAN06244 AAN59246 BAE38630 BAE23242 cytochrome P450, family 26, subfamily b, polypeptide 1/cytochrome p450 26B1 /Cyp26b1 protein /unnamed protein product /unnamed protein product
NP_063938 Homo sapiens Q9NR63 AAF76003 AAH18443 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
NP_540236 Canis familiaris XP_543933 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 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
NP_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
P_217935 Rattus norvegica PREDICTED: similar to cytochrome P450, family 26, subfamily C, polypeptide 1
NP_899230 Homo sapiens Q6VOL0 AAQ55485 cytochrome P450, family 26, subfamily C, polypeptide 1/CP26C_HUMAN Cytochrome P450 26C1/cytochrome P450
NP_594485 Bos taurus PREDICTED: similar to Cytochrome P450, family 26, subfamily C, polypeptide 1
XP_785693 Strongylocentrotus purpuratus PREDICTED: similar to Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RA1) (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 EAD26437 Cytochrome P450/Cytochrome P450
ZP_00672504 Trichodesmium erythraeum IMS101 EAD28398 Cytochrome P450/Cytochrome P450
ZP_00109847 Nostoc punctiforme PCC 73102 CCQ02124 Cytochrome P450
XP_647018 Dictyostelium discoideum AX4 EAL73097 Dictyostelium discoideum hypothetical protein DDB0202357/hypothetical protein DDB0202357
XP_478406 Oryza sativa (japonica cultivar-group) BAC83621 putative taxane 14b-hydroxylase/putative taxane 14b-hydroxylase
XP_478433 Oryza sativa (japonica cultivar-group) BAC79652 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
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 (cyt5-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)
NP_450791 Oryza sativa (japonica cultivar-group) BAD06090 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
AAT47183 Taxus cuspidata taxoid 10-beta hydroxylase
AAQ56240 Taxus cuspidata taxadiene 5-alpha hydroxylase
AAL69341 Taxus wallichiana var. chinensis taxane 5-alpha hydroxylase
AAO66199 Taxus cuspidata taxane 14b-hydroxylase
ABX4M6 Taxus cuspidata AAK00946 AAW03151 Botrytis sp. BT2 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
AAN52360 Taxus wallichiana var. chinensis AAS19442 5-alpha-taxadienol-10-beta-hydroxylase/5-alpha-taxadienol-10-beta-hydroxylase
Q9FV479 Taxus cuspidata AAL23619 AAX20147 Taxus x media T13H_TAXCU Taxane 13-alpha-hydroxylase (Cytochrome P450 725A2)/taxane 13-alpha-hydroxylase /taxane 13-alpha-hydroxylase
AAX59903 Taxus wallichiana var. chinensis 13-alpha-hydroxylase
AAS89065 Taxus canadensis taxoid 2-alpha-hydroxylase
AAV54171 Taxus wallichiana var. chinensis taxoid 2-alpha-hydroxylase
AAO15553 Taxus cuspidata taxoid 7-beta-hydroxylase
ATG42850 = NP_181813 AAD21724 CYP71B; heme binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450
Smo_ATSG05690_77_1
Smo_ATSG05690_106_1
Smo_ATSG05690_50_1
Smo_ATSG05690_93_1
Smo_ATSG05690_99_1
Smo_ATSG05690_100_1
Smo_ATSG05690_193_1
Smo_ATSG05690_11_1
Smo_ATSG05690_113_2
Smo_ATSG05690_3_1
Smo_ATSG05690_5_1
Smo_ATSG05690_18_1
Smo_ATSG05690_1_1
Ppa_ATSG05690_22_1
Ppa_ATSG05690_39_1
AAX07436 Picea sitchensis cytochrome P450 CYPA1
AAX07437 Picea sitchensis cytochrome P450 CYPA2
ABC94482 Artemisia annua putative taxane 13-alpha-hydroxylase cytochrome P450
ABC59076 Medicago truncatula cytochrome P450 monooxygenase CYP716A
ABC94483 Artemisia annua putative taxadiene 5-alpha-hydroxylase cytochrome P450
AAC32044 Solanum tuberosum cytochrome P450
ATG05690 = NP_196188 Q42569 CAA60793 CAA60794 BAB09663 AAK68777 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
AAF89209 Vigna radiata cytochrome P450
ABC68409 Glycine max cytochrome P450 monooxygenase CYP90A
CAD27417 Nicotiana tabacum cytochrome P450
BAD09073 Oryza sativa (japonica cultivar-group) ABA91412 cytochrome P450/cytochrome p450 90a1
BAD09074 Oryza sativa (japonica cultivar-group) ABA95785 cytochrome P450/cytochrome p450 90a1
ABD04134 Platanus x acerifolia cytochrome P450-like protein
ABC94481 Artemisia annua putative steroid 23-alpha-hydroxylase cytochrome P450
BAE16977 Zinnia elegans steroid 23-alpha-hydroxylase
BAE16978 Zinnia elegans steroid 23-alpha-hydroxylase
BAE16979 Zinnia elegans steroid 22-alpha-hydroxylase
ATG05660 = NP_190635 Q64589 AAD20503 CAB62435 AAL06567 AAL90927 DWF4 (DWARF 4/C90B1_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
ABA97744 Oryza sativa (japonica cultivar-group) Q6F4F5 Oryza sativa CAE06016 Oryza sativa (japonica cultivar-group) BAD27424 OSJNBa0016O02.25 /CP24B_ORYSA Cytochrome P450 724B1 (OsDWARF11) (Dwarf protein 11)/OSJNBa0016O02.25 /P450
AAX07431 Pinus taeda cytochrome P450 CYPA
AAX07432 Pinus taeda cytochrome P450 CYP5
ATG17340 = NP_177477 AAG30983 heme binding/iron ion binding /monooxygenase/oxygen binding /steroid 22-alpha-hydroxylase, putative
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
AAT49310 Oryza sativa (japonica cultivar-group) putative cytochrome P450
ATG13730 = NP_566462 BAB01922 BAB62109 AAO42111 AAO50626 CYP90D1; heme binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450-like protein /CYP90D /putative cytochrome P450 /putative cytochrome P450
AT4G36380 = NP_568002 Q8S429 Q9M066 T04602 CAA18139 CAB16850 BAA37167 CAB80304 ROT3 (ROTUNDIFOLIA 3); oxygen binding/steroid hydroxylase /D8S429 cytochrome P450 like protein /C90C1_ARATH Cytochrome P450 90C1 (ROTUNDIFOLIA3) /T04602 cytochrome P450 h
Smo_ATSG05690_78_1 Smo_ATSG05690_29_1
Smo_ATSG05690_138_1
Smo_ATSG05690_23_1
Smo_ATSG05690_6_1
Q69F95 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
Q50LE0 Lycopersicon esculentum BAD98244 C85A3_LYCES Cytochrome P450 85A3 (C6-oxidase)/cytochrome P450 enzyme
Q9SGG1 Oryza sativa BAC45000 Oryza sativa (japonica cultivar-group) AAT81671 C85A1_ORYSA Cytochrome P450 85A1 (C6-oxidase) (OsDWARF) (Dwarf protein)/cytochrome P450 /cytochrome P450
ATG03280 = NP_566823 Q940V4 BAB10270 AAK96559 AAL36078 AAM11160 BAC55085 BR6OX2/CYP85A2; monooxygenase/oxygen binding /C85A2_ARATH Cytochrome P450 85A2 (Brassinosteroid-6-oxidase 2) (BR6ox 2) (C6-oxidase 2)/cytochrome P450 /AT3g30180/T20F20_6 /AT3g
ATG03870 = NP_851105 NP_198713 Q9FMA5 BAB08653 BAB60858 BR6OX (BRASSINOSTEROID-6-OXIDASE); oxygen binding/BR6OX (BRASSINOSTEROID-6-OXIDASE); oxygen binding /C85A1_ARATH Cytochrome P450 85A1 (Brassinosteroid-6-oxidase 1) (BR6ox 1) (C6-oxidase 1)/cyt
Ppa_ATSG05690_21_1
Ppa_ATSG05690_1_2
Ppa_ATSG05690_43_1
ATG05670 = NP_176744 AAB60918 AAF23843 CYP702A1; heme binding/iron ion binding /monooxygenase/oxygen binding /Similar to Arabidopsis cytochrome P450 CYP90 (gb|X87367). /F1E22.5
AT4G15396 = NP_680696 AAL77686 CYP702A6; heme binding/iron ion binding /monooxygenase /At4g15396
AT4G15330 = NP_193265 CAB10309 CAB78372 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/o