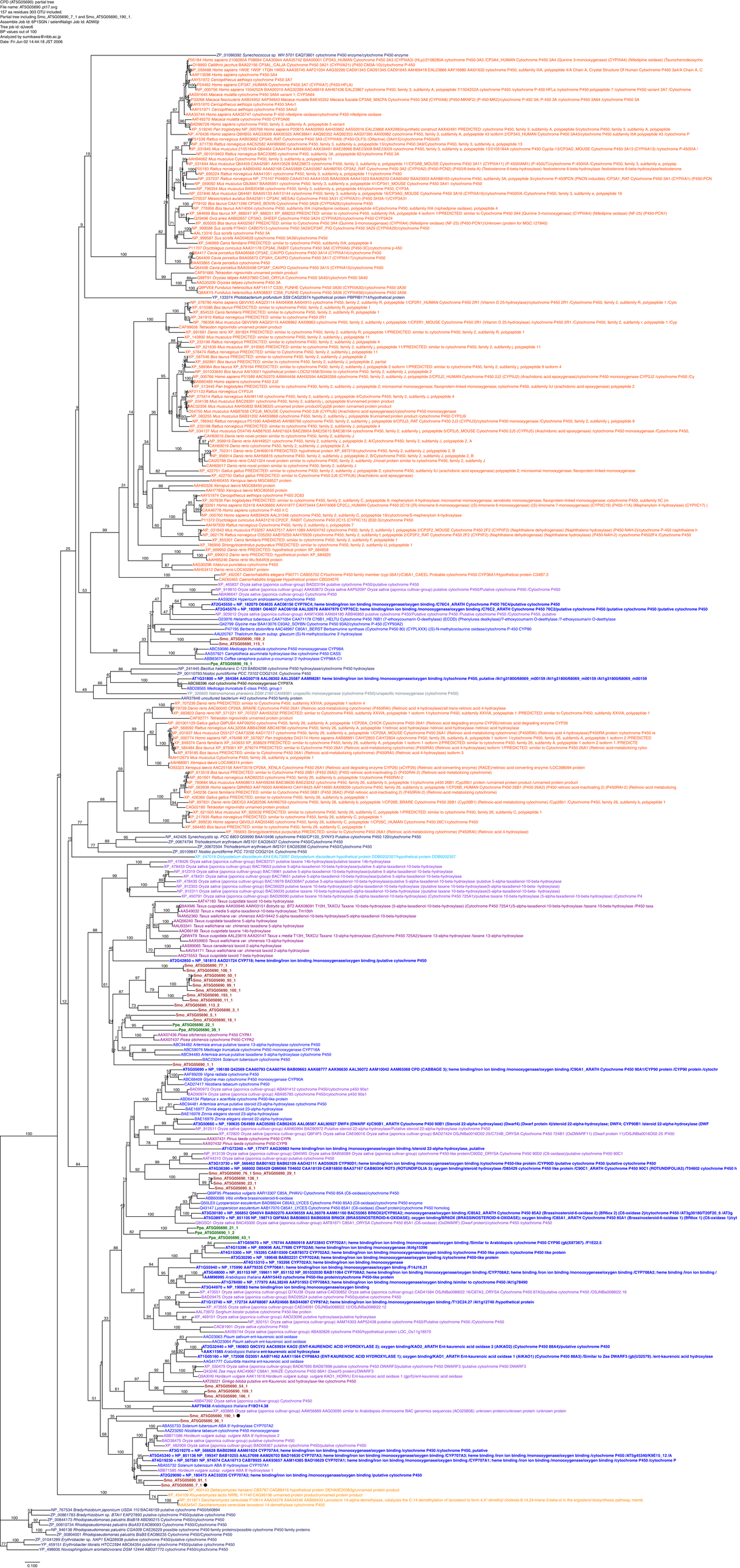
CPD (ATG05690): partial tree
File name: ATG05690_pt17.svg
157 aa residues 303 OTU included
Partial tree including Smo_ATG05690_7_1 and Smo_ATG05690_190_1.
Assemble Job Id: 681SGN / selentNalign Job Id: ADW0jl
Tree job id: dJveo6
BP values out of 100
Analyzed by sumikawa@nibb.ac.jp
Date: Fri Jun 02 14:44:18 JST 2006


ZP_01086392 Synechococcus sp. WH 5701 EAQ73801 cytochrome P450 enzyme/cytochrome P450 enzyme
Q50184 Homo sapiens 2108280A P08684 CAA30944 AAA35742 BAA00001 CP3A3_HUMAN Cytochrome P450 3A3 (CYPIIIA3) (HLp)/2108280A cytochrome P450-3A5 /CP3A4_HUMAN Cytochrome P450 3A4 (Quinine 3-monooxygenase) (CYPIIIA4) (Nifedipine oxidase) (Taurochenodeoxycho
Q18993 Callithrix jacchus BAA22156 CP3AL_CALJA Cytochrome P450 3A21 (CYP3A21) (P450 CM3A-1)/cytochrome P450
NP_059488 Homo sapiens 1W0E 1W0F 1TQN 1W0G AAA35745 AAF21034 AAG32290 CD4013 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
AAY51972 Cercopithecus aethiops cytochrome P450 3A7
Q29462 Homo sapiens CP3A7_HUMAN Cytochrome P450 3A7 (CYPIIIA7) (P450-HFLA)
NP_000756 Homo sapiens 1504252A BAA00310 AAG32289 AAG46418 AAH67436 EAL23867 cytochrome P450, family 3, subfamily A, polypeptide 7/1504252A cytochrome P450 HFLa /cytochrome P450 polypeptide 7 /cytochrome P450 variant 3A7 /Cytochrome
AAS91645 Macaca mulatta cytochrome P450 3A64 variant 1; CYP3A64
Q32008 Macaca fascicularis AAB24952 AAP94642 Macaca mulatta BAE45352 Macaca fascata CP3AB_MACFA Cytochrome P450 3AB (CYPIIIAB) (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
AAA35744 Homo sapiens AAA35747 cytochrome P-450 nifedipine oxidase/cytochrome P450 nifedipine oxidase
AT49370 Macaca mulatta cytochrome P450 CYP3A66
BAD90728 Homo sapiens cytochrome P450, family 3, subfamily A, polypeptide 5 variant
XP_519240 Pan troglodytes NP_000768 Homo sapiens P20815 AAA02993 AAH33862 AAS02016 EAL23868 AAX29934 synthetic construct AAX42491 PREDICTED: cytochrome P450, family 3, subfamily A, polypeptide 5/cytochrome P450, family 3, subfamily A, polypeptide
NP_476436 Homo sapiens Q99855 AAG33009 AAO03325 AAK38841 AAQ62932 AAQ62933 AAS07395 AAU90982 cytochrome P450, family 3, subfamily A, polypeptide 43 isoform 2/CP343, HUMAN Cytochrome P450 3A43/cytochrome P450 subfamily IIIA polypeptide 43 /cytochrome P
P51598 Rattus norvegicus AAB03662 CP3A9_RAT Cytochrome P450 3A9 (CYPIIIA9) (P450-OLF5) (Olfactory) (3AH15)/cytochrome P450olf3
NP_611739 Rattus norvegicus AAL82983 AAP41985 cytochrome P450, family 3, subfamily A, polypeptide 18/cytochrome P450 3A9/Cytochrome P450, family 3, subfamily A, polypeptide 13
NP_031845 Mus musculus 21051844A Q64464 CAA44754 AAH46592 AAX39491 BAE28966 BAE28008 BAE28029 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 BAC23085 cytochrome P450, subfamily 3A, polypeptide 62/cytochrome P450 3A
AAH94062 Mus musculus Cytochrome P450, family 3, subfamily a, polypeptide 11
NP_031844 Mus musculus Q64459 CAA42981 AAH10528 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, polypep
AT49370 Macaca mulatta cytochrome P450 CYP3A66 AAB29168 CAA82746 AAH89765 CP3A2_RAT Cytochrome P450 3A2 (CYPIIIA2) (P450-PCN2) (P4506-beta-A) /testosterone 6-beta-hydroxylase /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
NP_037237 Rattus norvegicus NM_172167 CAA54743 AAA41035 BAA00908 AAA85482 BAA23003 AAH88163 cytochrome P450, subfamily 3A, polypeptide 3/cytochrome P-450PCN (PNCN inducible) /CP3A1_RAT Cytochrome P450 3A1 (CYPIIIA1) (P450-PCN
NP_056060 Mus musculus Q9JMA7 BAA59951 cytochrome P450, family 3, subfamily a, polypeptide 41/CP341_MOUSE Cytochrome P450 3A41 /cytochrome P450
NP_796354 Mus musculus BAB20498 cytochrome P450, family 3, subfamily a, polypeptide 44/cytochrome P450, CYP3A
O31846 Mus musculus Q64481 BAA03133 AAI13144 cytochrome P450, family 3, subfamily a, polypeptide 16/CP3AD_MOUSE Cytochrome P450 3A16 (CYPIIIA16)/cytochrome P450IIIA /Cytochrome P450, family 3, subfamily a, polypeptide 16
O70537 Mesocricetus auratus BAA25811 CP3AV_MESAU Cytochrome P450 3A31 (CYPIIIA31) (P450 SHGA-1)/CYP3A31
P79102 Bos taurus CAA71266 CP3A5_BOVIN Cytochrome P450 3A28 (CYPIIIA28)/cytochrome P450
NP_776956 Bos taurus AAI14004 cytochrome P450, subfamily IIIA (nifedipine oxidase), polypeptide 4/Cytochrome P450, subfamily IIIA (nifedipine oxidase), polypeptide 4
NP_584699 Bos taurus XP_868247 XP_868251 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)
Q29VE8 Fundula heteroclitus AAF14117 C39D_FUNHE Cytochrome P450 39A2 (CYPIIIA2)/cytochrome P450
Q8AXY5 Fundula heteroclitus AAN38837 C3S6_FUNHE Cytochrome P450 3A56 (CYPIIIA56)/cytochrome P450 3A56
XP_ 13337x Photobacterium profundum SS9 CAG23574 hypothetical protein
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
NP_815586 Bos taurus PREDICTED: similar to cytochrome P450, family 2, subfamily R, polypeptide 1
NP_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 /Cyp
CAF99656 Tetraodon nigroviridis unnamed protein product
NP_691681 Danio rerio XP_691624 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
NP_ 233199 Rattus norvegicus PREDICTED: similar to cytochrome P450, family 2, subfamily j, 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
NP_ 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 4
XP_ 602861 Bos taurus PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 2, partial
NP_ 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_ 001035840 Bos taurus AAI10021 hypothetical protein LOC521656/Similar to CYP2J2 cytochrome P450, family 2, subfamily J, polypeptide 2
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
BAB58549 Homo sapiens cytochrome P450 2J2
P51345 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
AY211133 Rattus norvegicus CYP2J4
NP_075414 Rattus norvegicus AAH11149 cytochrome P450, family 2, subfamily J, polypeptide 4/Cytochrome P450, family 2, subfamily J, polypeptide 4
XP_ 034138 Mus musculus BAC28391 cytochrome P450, family 2, subfamily J, polypeptide 6/unnamed protein product
BAC33596 Mus musculus AAH50932 BAE38326 unnamed protein product/Cyp26 protein /unnamed protein product
Q54750 Mus musculus AAB87636 CP2J6_MOUSE Cytochrome P450 2J6 (CYPIIJ6) (Arachidonic acid epoxygenase)/cytochrome P450 monooxygenase
NP_083255 Mus musculus BAB31002 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 (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
XP_ 034137 Mus musculus Q54749 AAB07635 AAN21604 BAE28954 BAE25615 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_ 998919 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
CAI07788 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
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)
AAH60455 Xenopus laevis MGC68527 protein
AAH60028 Xenopus laevis MGC68450 protein
AAH77850 Xenopus laevis MGC80550 protein
AAY51974 Cercopithecus aethiops cytochrome P450 2C83
NP_ 507939 Pan troglodytes PREDICTED: similar to cytochrome P450, family 2, subfamily C, polypeptide 9; methoxyim 4-hydroxylase; microsomal monooxygenase; xenobiotic monooxygenase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily IIC (m
P33261 Homo sapiens I52418 AAA36660 AAV41877 CAH73444 CAH74068 CP2C_HUMAN Cytochrome P450 2C19 ((R)-limonene 6-monooxygenase) ((S)-limonene 6-monooxygenase) ((S)-limonene 7-monooxygenase) (CYPIIC19) (P450-11A) (Mephenytoin 4-hydroxylase) (CYPIIC17) (
CAA46778 Homo sapiens cytochrome P-450 II C
NP_000760 Homo sapiens AAB59426 AAL31348 cytochrome P450, family 2, subfamily C, polypeptide 19/cytochrome/S-mephenytoin 4-hydroxylase
P11372 Oryctolagus cuniculus AAA31218 CP2CF_RABIT Cytochrome P450 2C15 (CYPIIC15) (B32-3)/cytochrome P450
AAH91939 Rattus norvegicus Cytochrome P450, family 2, subfamily i, polypeptide 1
NP_ 031843 Mus musculus P33267 AAA37517 AAH11089 AAH47242 cytochrome P450, family 2, subfamily I, 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 AAH79939 cytochrome P450, family 2, subfamily I, polypeptide 3/CP2F2_RAT Cytochrome P450 2F2 (CYPIIF2) (Naphthalene dehydrogenase) (Naphthalene hydroxylase) (P450-NAH-2) /cytochrome P450 /Cytochrome P450
XP_ 855301 Canis familiaris PREDICTED: similar to cytochrome P450, family 2, subfamily F, polypeptide 1
XP_ 786956 Strongylocentrotus purpuratus PREDICTED: similar to cytochrome P450, family 2, subfamily U, polypeptide 1
NP_ 689950 Danio rerio PREDICTED: hypothetical protein XP_ 684588
NP_ 690012 Danio rerio PREDICTED: hypothetical protein XP_ 684920
AAH95246 Danio rerio Wu:fb64i09 protein
AAG30296 Ictalurus punctatus cytochrome P450
AAH53412 Danio rerio LOC402847 protein
XP_ 492267 Caenorhabditis elegans P90771 CAB05702 CYtochrome P450 family member (cyp-36A1)/C36A1_CAEEL Probable cytochrome P450 CYP36A1/hypothetical protein C34B7.3
EAE60465 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 AAP53097 Oryza sativa (japonica cultivar-group) putative cytochrome P450/Putative cytochrome P450 /Cytochrome P450
EBA90647 Oryza sativa (japonica cultivar-group) Cytochrome P450
AAS92624 Hypericum androsaemum cytochrome P450
AT2G45550 = NP_ 182079 O64635 AAC06158 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 /putative cytochrome P450
NP_ 920012 Oryza sativa (japonica cultivar-group) AAM74306 AAN40130 ABB46860 putative cytochrome P450/Putative cytochrome P450 /Cytochrome P450, putative
Q23870 Helianthus tuberosus CAA71054 CAA71178 C76B1_HELTU Cytochrome P450 76B1 (7-ethoxycoumarin O-dethylase) (ECOD) (Phenylurea dealkylase)/7-ethoxycoumarin O-deethylase /7-ethoxycoumarin O-deethylase
Q42799 Glycine max BAA13076 C93A2_SOYBN Cytochrome P450 93A2/cytochrome P-450 (CYP93A2)
P47196 Berberis stolonifera AAC48967 C80A1_BERST Berbamuntine synthase (Cytochrome P450 80) (CYPLXXX) ((S)-N-methylcoclaurine oxidase/cytochrome P-450 CYP80
AAU20767 Thalictrum flavum subsp. glaucum (S)-N-methylcoclaurine 3'-hydroxylase
Smo_ATG05690_169_2
Smo_ATG05690_115_1
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_ATG05690_16_1
NP_ 241445 Bacillus halodurans C-125 BAB04298 cytochrome P450 hydroxylase/cytochrome P450 hydroxylase
ZP_00110793 Nostoc punctiforme PCC 73102 CQG2124 Cytochrome P450
AT1G31800 = NP_ 564384 AAS50718 AAL66302 AAL35587 AAM88281 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
ABD28505 Medicago truncatula E-class P450, group I
YP_ 326920 Natronomonas pharaonis DSM 2160 CAI49361 unspecific monooxygenase (cytochrome P450)/unspecific monooxygenase (cytochrome P450)
AAS37848 uncultured bacterium 443 cytochrome P450 family protein
XP_ 707238 Danio rerio PREDICTED: similar to Cytochrome P450, subfamily XXVIA, polypeptide 1 isoform 4
XP 79739 Danio rerio AAO60045 CP26A_BRARE Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RA) (Retinoic acid 4-hydroxylase)/all-trans-retinoic acid 4-hydroxylase
NP_ 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
CAF92771 Tetraodon nigroviridis unnamed protein product
NP_ 001001129 Gallus gallus Q9PUB4 AAF99255 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 ABB42998 ABC48786 cytochrome P450, family 26, subfamily A, polypeptide 1/retinoic acid hydroxylase /retinoic acid hydroxylase /retinoic acid hydroxylase
NP_ 001037 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 NP_ 937927 Pan troglodytes O43174 Homo sapiens AAH12803 CAH12804 cytochrome P450, family 26, subfamily A, polypeptide 1 isoform 1/cytochrome P450, family 26, subfamily A, polypeptide 1 isoform 2/PREDICTED
NP_ 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 /PREDICTE
NP_ 584484 Bos taurus XP_ 879261 XP_ 879274 PREDICTED: similar to Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RA) (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) (P450RA) (Retinoic acid 4-hydroxylase) isoform 3
AAH12673 Mus musculus Cytochrome P450, family 26, subfamily a, polypeptide 1
AAH58901 Xenopus laevis LOC496314 protein
Q93323 Xenopus laevis AAC25158 AAH73518 CP26A_XENLA Cytochrome P450 26A1 (Retinoic acid degrading enzyme CYP26) (aCYP26) (Retinoic acid-converting enzyme) (RACE)/retinoic acid converting enzyme /LOC398094 protein
XP_ 613518 Bos taurus PREDICTED: similar to Cytochrome P450 26B1 (P450-ABA2) (P450 retinoic-acid-inducible 2) (P450RAI-2) (Retinoic-acid metabolizing cytochrome)
NP_ 851601 Rattus norvegicus AAO92253 cytochrome P450, family 26, subfamily b, polypeptide 1/cytochrome P450RAI-2
NP_ 780658 Mus musculus AAN86813 AAN86814 AAN86815 AAN86816 AAN86817 AAN86818 BAE33922 cytochrome P450, subfamily XXVIB, polypeptide 1 isoform 1/cytochrome p450 26B1 /Cyp26b1 protein /unnamed protein product /unnamed protein product
NP_ 063938 Homo sapiens Q9NR63 AAF76003 AAH69443 CAH18425 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 cytochrome)
NP_ 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 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
CAQ02180 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 Q6VIL0 AAQ55485 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
XP_ 785693 Strongylocentrotus purpuratus PREDICTED: similar to Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RA) (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 EAG06407 Cytochrome P450/Cytochrome P450
ZP_00672504 Trichodesmium erythraeum IMS101 EAG08398 Cytochrome P450/Cytochrome P450
ZP_00109847 Nostoc punctiforme PCC 73102 CQG2124 Cytochrome P450
XP_ 647018 Dictyostelium discoideum AAX14 EAL73097 Dictyostelium discoideum hypothetical protein DDB0202357/hypothetical protein DDB0202357
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
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(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)
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
AAT47183 Taxus cuspidata taxoid 10-beta-hydroxylase
AAX54902 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
AAO66240 Taxus cuspidata taxadiene 5-alpha hydroxylase
AAU93341 Taxus wallichiana var. chinensis taxadiene 5-alpha hydroxylase
AAO66199 Taxus cuspidata taxane 14b-hydroxylase
Q9XV79 Taxus cuspidata AAL23619 AAX20147 Taxus x media T13H_TAXCU Taxane 13-alpha-hydroxylase (Cytochrome P450 725A2)/taxane 13-alpha-hydroxylase /taxane 13-alpha-hydroxylase
AAS59903 Taxus wallichiana var. chinensis 13-alpha-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 /cytochrome P450
Smo_ATG05690_77_1
Smo_ATG05690_106_1
Smo_ATG05690_50_1
Smo_ATG05690_93_1
Smo_ATG05690_99_1
Smo_ATG05690_100_1
Smo_ATG05690_193_1
Smo_ATG05690_11_1
Smo_ATG05690_113_2
Smo_ATG05690_3_1
Smo_ATG05690_5_1
Smo_ATG05690_18_1
Ppa_ATG05690_22_1
Ppa_ATG05690_39_1
AAX07436 Picea sitchensis cytochrome P450 CYP7A1
AAO07437 Picea sitchensis cytochrome P450 CYP42
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
BAC23044 Solanum tuberosum cytochrome P450
Smo_ATG05690_1_1
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
BAD90973 Oryza sativa (japonica cultivar-group) ABA91412 cytochrome P450/cytochrome p450 90a1
BAD09074 Oryza sativa (japonica cultivar-group) ABA95785 cytochrome P450/cytochrome p450 90a1
ABD64134 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
AT1G05670 = NP_ 190635 O64989 AAC05093 CAB62435 AAL06567 AAL90927 DWF4 (DWARF 4)/CYP3B1_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
ZP_ 472820 Oryza sativa (japonica cultivar-group) Q6F4F5 Oryza sativa CAE06016 Oryza sativa (japonica cultivar-group) BAD27424 OSJNBa0016O02.25/CT24B_ORYSA Cytochrome P450 724B1 (OsDWARF11) (Dwarf protein 11)/OSJNBa0016O02.25 /P450
AAX07431 Pinus taeda cytochrome P450 CYP7A
AAO07432 Pinus taeda cytochrome P450 CYP8
AT1G73340 = NP_ 177477 AAQ30983 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
AAT44310 Oryza sativa (japonica cultivar-group) putative cytochrome P450
AT3G13730 = 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 D85429 Q9M066 T04602 CAA18139 CAB16850 BAA37167 CAB80304 ROT3 (ROTUNDIFOLIA 3); oxygen binding/steroid hydroxylase /D85429 cytochrome P450 like protein /C90C1_ARATH Cytochrome P450 90C1 (ROTUNDIFOLIA3) /T04602 cytochrome P450 h
Smo_ATG05690_76_1 Smo_ATG05690_29_1
Smo_ATG05690_138_1
Smo_ATG05690_23_1
Smo_ATG05690_6_1
Q6PF95 Phaseolus vulgaris AAF13307 C85A_PHAVU Cytochrome P450 85A (C6-oxidase)/cytochrome P450
ABB60086 Vitis vinifera brassinosteroid-6-oxidase
Q5DLE0 Lycopersicon esculentum BAD98244 C85A3_LYCES Cytochrome P450 85A3 (C6-oxidase)/cytochrome P450 enzyme
Q43141 Lycopersicon esculentum AAD17070 C85A1_LYCES Cytochrome P450 85A1 (C6-oxidase) (Dwarf protein)/cytochrome P450 homolog
AT3G30180 = NP_ 566852 Q940V4 BAB02270 AAK96559 AAL36078 AAM61160 BAC05065 CYP85A2; monooxygenase/oxygen binding /C85A2_ARATH Cytochrome P450 85A2 (Brassinosteroid-6-oxidase 2) (BR6ox 2) (C6-oxidase 2)/cytochrome P450 /AT3g30180/T20F20_6 /AT3g
AT5G50970 = NP_ 851109 NP_ 198713 Q9FXM5 BAB06953 BAB06958 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
Q8GSD1 Oryza sativa BAC45000 Oryza sativa (japonica cultivar-group) AAT81671 C85A1_ORYSA Cytochrome P450 85A1 (C6-oxidase) (OsDWARF) (Dwarf protein)/cytochrome P450 /cytochrome P450
Ppa_ATG05690_21_1
Ppa_ATG05690_1_2
Ppa_ATG05690_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
AT4G15390 = NP_ 193265 CAB10309 CAB75873 CYP702A2; heme binding/iron ion 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
ATG15310 = NP_ 193266 CYP702A3; heme binding/iron ion binding /monooxygenase
AT1G55940 = NP_ 175990 AAF79335 CYP702A1; 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 /
AAM98095 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