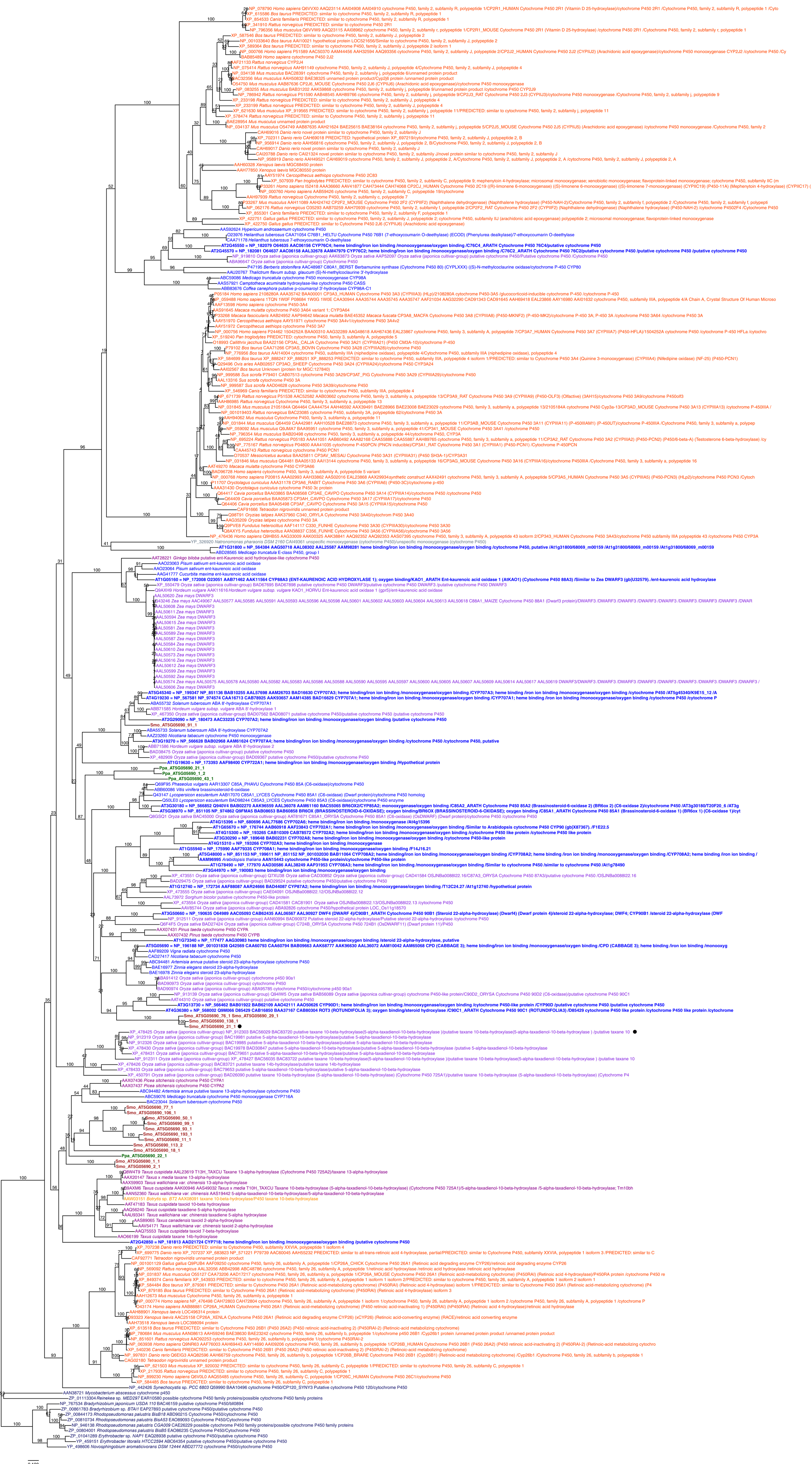
CPD (AT5G05690): partial tree
File name: AT5G05690.pt3.svg
231 aa residues 268 OTU included.
Partial tree including Smo_AT5G05690_21_1 and XP_478425.1[Oryza sativa].
Analysed by: FF15GN / selentNalign Job Id: ADW0jl
Tree job id: NG69X2
BP values out of 100
Analyzed by sumkawa@nibb.ac.jp
Date: Fri Jun 02 18:01:04 JST 2006


NP_078790 Homo sapiens O6VVX0 AAQ23114 AAI04908 AAI04910 cytochrome P450, family 2, subfamily R, polypeptide 1/CP2R1_HUMAN Cytochrome P450 2R1 (Vitamin D 25-hydroxylase)/cytochrome P450 2R1 /Cytochrome P450, family 2, subfamily R, polypeptide 1 /Cyto
XP_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 Q9VVW9 AAQ23115 AAI40962 cytochrome P450, family 2, subfamily r, polypeptide 1/CP2R1_MOUSE Cytochrome P450 2R1 (Vitamin D 25-hydroxylase) /cytochrome P450 2R1 /Cytochrome P450, family 2, subfamily r, polypeptide 1
XP_587546 Bos taurus PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 2
NP_001033640 Bos taurus AAI10021 hypothetical protein LOC521656/Similar to cytochrome P450, family 2, subfamily J, polypeptide 2
XP_589364 Bos taurus PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 2 isoform 1
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
BAB85489 Homo sapiens cytochrome P450 2J2
AF21133 Rattus norvegicus CYP2J4
NP_075414 Rattus norvegicus AAH91149 cytochrome P450, family 2, subfamily J, polypeptide 4/Cytochrome P450, family 2, subfamily J, polypeptide 4
NP_034138 Mus musculus BAC28391 cytochrome P450, family 2, subfamily j, polypeptide 6/unnamed protein product
AK032356 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_083255 Mus musculus BAB31202 AAK59868 cytochrome P450, family 2, subfamily j, polypeptide 9/unnamed protein product /cytochrome P450 CYP2J9
NP_786842 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_233199 Rattus norvegicus PREDICTED: similar to cytochrome P450, family 2, subfamily J, polypeptide 4
XP_621630 Mus musculus XP_91566 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
BAE28954 Mus musculus unnamed protein product
NP_034137 Mus musculus Q54749 AAB87635 AAH21624 BAE25615 BAE38164 cytochrome P450, family 2, subfamily j, polypeptide 5/CP2J5_MOUSE Cytochrome P450 2J5 (CYPIIJ5) (Arachidonic acid epoxygenase) /cytochrome P450 monooxygenase /Cytochrome P450, family 2
CAH69016 Danio rerio novel protein similar to cytochrome P450, family 2, subfamily J
XP_702311 Danio rerio CAH69018 PREDICTED: hypothetical protein XP_697219/cytochrome P450, family 2, subfamily J, polypeptide 2, B
NP_956914 Danio rerio AAH56816 cytochrome P450, family 2, subfamily J, polypeptide 2, B/Cytochrome P450, family 2, subfamily J, polypeptide 2, B
CAH69017 Danio rerio novel protein similar to cytochrome P450, family 2, subfamily J
CAI20788 Danio rerio CAI21324 novel protein similar to cytochrome P450, family 2, subfamily J/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
AAH60328 Xenopus laevis MGC68450 protein
AAH77850 Xenopus laevis MGC80550 protein
AAY51974 Cercopithecus aethiops cytochrome P450 2C83
XP_507939 Pan troglodytes PREDICTED: similar to cytochrome P450, family 2, subfamily C, polypeptide 9; mephenytoin 4-hydroxylase; microsomal monooxygenase; xenobiotic monooxygenase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily IIC (m
AAP37302 Chlorocebus sabaeus CAA74044 CYP2C9_CERAT 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
AAH97939 Rattus norvegicus Cytochrome P450, family 2, subfamily c, polypeptide 7
NP_83067 Mus musculus AAH11089 AAH24742 CP2F2_MOUSE Cytochrome P450 2F2 (CYPIIF2) (Naphthalene dehydrogenase) (P450-NAH-2)/Cytochrome P450, family 2, subfamily f, polypeptide 2/Cytochrome P450, family 2, subfamily f, polypepti
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 P4502F4 /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)
AAS92624 Hypericum androsaemum cytochrome P450
Q23976 Helianthus tuberosus CAA71054 C76B1_HELTU Cytochrome P450 76B1 (7-ethoxycoumarin O-deethylase) (ECOD) (Phenylurea dealkylase)/7-ethoxycoumarin O-deethylase
CAA71178 Helianthus tuberosus 7-ethoxycoumarin O-deethylase
AT2G45570 = NP_182079 Q6K635 AAC06158 CYP76C4; heme binding/iron ion binding /monooxygenase/oxygen binding /C76C4_ARATH Cytochrome P450 76C4/putative cytochrome P450
AT2G45570 = NP_182081 Q6K637 AAC06158 AAL32678 AAM74979 CYP76C2; heme binding/iron ion binding /monooxygenase/oxygen binding /C76C2_ARATH Cytochrome P450 76C2/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
P47195 Berberis stolonifera AAC48987 C80A1_BERST Berbamunine synthase (Cytochrome P450 80) (CYPLXXX) ((S)-N-methylcoclaurine oxidase/cytochrome P-450 CYP80
AAU20767 Thalictrum flavum subsp. glaucum (S)-N-methylcoclaurine 3'-hydroxylase
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
P05184 Homo sapiens 2108290A AAA35742 BAA00001 CP3A3_HUMAN Cytochrome P450 3A3 (CYPIIIA3) (HLp)/2108280A cytochrome P450-3A5 /glucocorticoid-inducible cytochrome P-450 /cytochrome P-450
NP_059488 Homo sapiens 1TQN 1W0F P08684 1W0D 1W0E CAA30944 AAA35744 AAA35745 AAA35747 AAF21034 AAG32290 CAD91343 CAD91645 AAH69418 EAL23866 AAY16980 AAI01632 cytochrome P450, subfamily IIIA, polypeptide 4/A Chain A, Crystal Structure Of Human Microso
AAF13588 Homo sapiens cytochrome P450-3A4
AAS91645 Macaca mulatta cytochrome P450 3A64 variant 1; CYP3A64
P33268 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 AAY51971 cytochrome P450 3A4v1/cytochrome P450 3A4v2
AAY51972 Cercopithecus aethiops cytochrome P450 3A7
NP_000756 Homo sapiens P24462 1504252A BAA00310 AAG32289 AAG48618 AAH67436 EAL23867 cytochrome P450, family 3, subfamily A, polypeptide 7/CP3A7_HUMAN Cytochrome P450 3A7 (CYPIIIA7) (P450-HFLA)/1504252A cytochrome P450 /cytochrome P-450 HFLa /cytoch
XP_519240 Pan troglodytes PREDICTED: cytochrome P450, family 3, subfamily A, polypeptide 5
O18993 Callithrix jacchus BAA22156 CP3AL_CALJA Cytochrome P450 3A21 (CYPIIIA21) (P450 CM3A-10)/cytochrome P-450
P79102 Bos taurus CAA71266 CP3AS_BOVIN Cytochrome P450 3A28 (CYPIIIA28)/cytochrome P450
NP_776956 Bos taurus AAI14004 cytochrome P450, subfamily IIIA (nifnedipine oxidase), polypeptide 4/Cytochrome P450, subfamily IIIA (nifnedipine oxidase), polypeptide 4
XP_584699 Bos taurus XP_888247 XP_888251 XP_888253 PREDICTED: similar to cytochrome P450, subfamily IIIA, polypeptide 4 isoform 1/PREDICTED: similar to Cytochrome P450 3A4 (Quinine 3-monooxygenase) (CYPIIIA4) (Nifedipine oxidase) (NF-25) (P450-PCN1)
Q29496 Ovis aries AAB02657 CP3AO_SHEEP Cytochrome P450 3A24 (CYPIIIA24)/cytochrome P450 CYP3A24
AA02567 Bos taurus 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
NP_671739 Rattus norvegicus P51538 AAC52582 AAB03662 cytochrome P450, family 3, subfamily a, polypeptide 13/CP3A9_RAT Cytochrome P450 3A9 (CYPIIIA9) (P450-OLF3) (Olfactive) (3AH15)/cytochrome P450 3A9/cytochrome P450olf3
AAH86985 Rattus norvegicus Cytochrome P450, family 3, subfamily a, polypeptide 13
NP_031845 Mus musculus 2105184A O54464 CAA44754 AAH46592 AAX39491 BAE28966 BAE23008 BAE23029 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 CAI20788 Cytochrome P450, family 3, subfamily a, polypeptide 11
NP_031844 Mus musculus O64459 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
NP_059092 Mus musculus O9JIM7 BAA95951 cytochrome P450, family 3, subfamily a, polypeptide 41/CP341_MOUSE Cytochrome P450 3A41 /cytochrome P450
NP_796354 Mus musculus BAB26408 cytochrome P450, family 3, subfamily a, polypeptide 44/cytochrome P450, CYP3A
NP_695224 Rattus norvegicus P05183 AAA41051 AAB60492 AAA82168 CAA55888 CAA55887 AAH89765 cytochrome P450, family 3, subfamily a, polypeptide 11/CP3A2_RAT Cytochrome P450 3A2 (CYPIIIA2) (P450-PCN2) (P450/6-beta-A) (Testosterone 6-beta-hydroxylase) /cy
NP_775167 Rattus norvegicus P04800 AAA41035 cytochrome P-450PCN (PNCN inducible)/CP3A1_RAT Cytochrome P450 3A1 (CYPIIIA1) (P450-PCN1) /Cytochrome P-450PCN
CAA45743 Rattus norvegicus cytochrome P450 PCN1
O70537 Mesocricetus auratus BAA25811 CP3AV_MESAU Cytochrome P450 3A31 (CYPIIIA31) (P450 SH3A-1)/CYP3A31
NP_031846 Mus musculus Q64481 BAA05133 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
AAT49270 Macaca mulatta cytochrome P450 CYP3A66
BAD96728 Homo sapiens cytochrome P450, family 3, subfamily A, polypeptide 5 variant
NP_000768 Homo sapiens P20815 AAA02993 AAH33982 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
P11707 Oryctolagus cuniculus AAA31178 CP3A6_RABIT Cytochrome P450 3A6 (CYPIIIA6) (P-450-SC)/cytochrome p-450
AAA31430 Oryctolagus cuniculus cytochrome P450 3c protein
Q64417 Cavia porcellus BAA03865 BAA08568 CP3AE_CAVPO Cytochrome P450 3A14 (CYPIIIA14)/cytochrome P450 /cytochrome P450
Q64409 Cavia porcellus BAA05873 CP3AH_CAVPO Cytochrome P450 3A17 (CYPIIIA17)/cytochrome P450
Q64406 Cavia porcellus BAA05498 CP3AF_CAVPO Cytochrome P450 3A15 (CYPIIIA15)/cytochrome P450
CAF51695 Tetraodon nigroviridis unnamed protein product
Q98791 Oryzias latipes AAK37960 C340_ORYLA Cytochrome P450 3A40/cytochrom P450 3A40
AAG35209 Oryzias latipes cytochrome P450 3A
Q9PVE8 Fundulus heteroclitus AAF14117 C330_FUNHE Cytochrome P450 3A30 (CYPIIIA30)/cytochrome P450 3A30
Q8AXY5 Fundulus heteroclitus AAN38837 C356_FUNHE Cytochrome P450 3A56 (CYPIIIA56)/cytochrome P450 3A56
NP_476436 Homo sapiens Q9HB55 AAG33009 AAK00325 AAK38841 AAQ92352 AAQ92353 AAS07395 cytochrome P450, family 3, subfamily A, polypeptide 43 isoform 2/CP343_HUMAN Cytochrome P450 3A43/cytochrome P450 subfamily IIIA polypeptide 43 /cytochrome P450 CYP3A
YP_326920 Natronomonas pharaonis DSM 2160 AAV63551 unspecific monooxygenase (cytochrome P450)/unspecific monooxygenase (cytochrome P450)
AT1G31800 = NP_564384 AAG50718 AAL08302 AAL25587 AAM98281 heme binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450, putative /At1g31800/68069_m00159 /At1g31800/68069_m00159 /At1g31800/68069_m00159
ABD28565 Medicago truncatula E-class P450, group I
AAT28221 Ginkgo biloba putative ent-Kaurenoic acid hydroxylase-like cytochrome P450
AAO23063 Pisum sativum ent-kaurenoic acid oxidase
AAO23064 Pisum sativum ent-kaurenoic acid oxidase
AAG41777 Cucurbita maxima ent-kaurenoic acid oxidase
AT1G05160 = NP_172008 O23051 AABT1462 AAK11564 CYP88A3 (ENT-KAURENOIC ACID HYDROXYLASE 1); oxygen binding/KAO1_ARATH Ent-kaurenoic acid oxidase 1 (AtKAO1) (Cytochrome P450 88A3) /Similar to Zea DWARF3 (gb|U32579). /ent-kaurenoic acid hydroxylase
XP_550479 Oryza sativa (japonica cultivar-group) BAD67695 BAD67898 putative cytochrome P450 DWARF3/putative cytochrome P450 DWARF3 /putative cytochrome P450 DWARF3
Q9AXH9 Hordeum vulgare AAK11616 Hordeum vulgare subsp. vulgare KAO1_HORVU Ent-kaurenoic acid oxidase 1 (gp5)/ent-kaurenoic acid oxidase
AAL50620 Zea mays DWARF3
P93246 Zea mays AAC49067 AAL50577 AAL50585 AAL50591 AAL50593 AAL50596 AAL50598 AAL50601 AAL50602 AAL50603 AAL50604 AAL50613 AAL50618 C88A1_MAIZE Cytochrome P450 88A1 (Dwarf3 protein)/DWARF3 /DWARF3 /DWARF3 /DWARF3 /DWARF3 /DWARF3 /DWARF3 /DWARF3 /DWAR
AAL50608 Zea mays DWARF3
AAL50611 Zea mays DWARF3
AAL50594 Zea mays DWARF3
AAL50606 Zea mays DWARF3
AAL50581 Zea mays DWARF3
AAL50589 Zea mays DWARF3
AAL50587 Zea mays DWARF3
AAL50584 Zea mays DWARF3
AAL50610 Zea mays DWARF3
AAL50573 Zea mays DWARF3
AAL50616 Zea mays DWARF3
AAL50612 Zea mays DWARF3
AAL50599 Zea mays DWARF3
AAL50592 Zea mays DWARF3
AAL50574 Zea mays AAL50575 AAL50578 AAL50580 AAL50582 AAL50583 AAL50586 AAL50588 AAL50590 AAL50595 AAL50597 AAL50600 AAL50605 AAL50607 AAL50609 AAL50614 AAL50617 AAL50619 DWARF3/DWARF3 /DWARF3 /DWARF3 /DWARF3 /DWARF3 /DWARF3 /DWARF3 /DWARF3 /
AAL50606 Zea mays DWARF3
AT5G45340 = NP_199347 NP_851136 BAB10255 AAL57698 AAM26703 BAD16630 CYP707A3; heme binding/iron ion binding /monooxygenase/oxygen binding /CYP707A3; heme binding /iron ion binding /monooxygenase/oxygen binding /cytochrome P450 /AT5g45340/K9E15_12 /A
AT4G19230 = NP_567581 NP_974074 CAA16713 CAB78923 AAK93657 AAM14385 BAD15629 CYP707A1; heme binding/iron ion binding /monooxygenase/oxygen binding /CYP707A1; heme 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
XP_467350 Oryza sativa (japonica cultivar-group) BAD07562 BAD08071 putative cytochrome P450/putative cytochrome P450 /putative cytochrome P450
AT2G29090 = NP_180473 AAC33235 CYP707A2; heme binding/iron ion binding /monooxygenase/oxygen binding /putative cytochrome P450
Smo_AT5G05690_91_1
ABA55733 Solanum tuberosum ABA 8'-hydroxylase CYP707A2
AAZ23260 Nicotiana tabacum cytochrome P450 monooxygenase
AT3G19270 = NP_566628 BAB02968 AAM61624 CYP707A4; heme 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) BAD39367 putative cytochrome P450/putative cytochrome P450
AT1G19630 = NP_173593 AAF98400 CYP72A1; heme binding/iron ion binding /monooxygenase/oxygen binding /Hypothetical protein
Ppa_AT5G05690_21_1
Ppa_AT5G05690_1_2
Ppa_AT5G05690_43_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
AT3G30180 = NP_566852 Q94DV4 BAB02270 AAK96559 AAL36078 AAM61160 BAC42005 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
AT5G38970 = NP_851105 NP_974862 Q9FMA5 BAB08653 BAB60858 BR6OX (BRASSINOSTEROID-6-OXIDASE); oxygen binding/BR6OX (BRASSINOSTEROID-6-OXIDASE); oxygen binding/CB5A1_ARATH Cytochrome P450 85A1 (Brassinosteroid-6-oxidase 1) (BR6ox 1) (C6-oxidase 1)/cyt
Q8GSQ1 Oryza sativa BAC45000 Oryza sativa (japonica cultivar-group) AAT81671 C85A1_ORYSA Cytochrome P450 85A1 (C6-oxidase) (OsDWARF) (Dwarf protein)/cytochrome P450 /cytochrome P450
AT4G15396 = NP_680696 AAL77686 CYP702A6; heme binding/iron ion binding /monooxygenase /At4g15396
AT1G65670 = NP_176744 AAB60918 AAF23843 CYP702A1; heme binding/iron ion binding /monooxygenase/oxygen binding /Similar to Arabidopsis cytochrome P450 CYP90 (gb|X87367). /F1E22.5
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_193266 CYP702A3; heme binding/iron ion binding /monooxygenase
AT1G55940 = NP_175990 AAF79335 CYP706A1; heme binding/iron ion binding /monooxygenase/oxygen binding /F14J16.21
ATSG49000 = NP_851153 NP_199611 NP_851152 NP_001032030 BAB11064 CYP706A2; heme binding/iron ion binding /monooxygenase/oxygen binding /CYP706A2; heme binding /iron ion binding /monooxygenase/oxygen binding /CYP706A2; heme binding /iron ion binding /
AAM96995 Arabidopsis thaliana AAN15443 cytochrome P450-like protein/cytochrome P450-like protein
AT1G78490 = NP_177970 AAD30586 AAL38249 AAP31953 CYP708A3; heme binding/iron ion binding /monooxygenase/oxygen binding /Similar to cytochrome P450 /similar to cytochrome P450 /At1g78490
AT3G44970 = NP_190083 heme binding/iron ion binding /monooxygenase/oxygen binding
XP_473551 Oryza sativa (japonica cultivar-group) O7XU38 Oryza sativa CAD30852 Oryza sativa (japonica cultivar-group) CAD41584 OSJNBa0088I22.16/C87A3_ORYSA Cytochrome P450 87A3/putative cytochrome P450 /OSJNBa0088I22.16
BAD29475 Oryza sativa (japonica cultivar-group) BAD29524 putative cytochrome P450/putative cytochrome P450
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_473554 Oryza sativa (japonica cultivar-group) CAD41581 CAC81901 Oryza sativa OSJNBa0088I22.13/OSJNBa0088I22.13 /cytochrome P450
AAV85744 Oryza sativa (japonica cultivar-group) ABA92826 cytochrome P450/hypothetical protein LOC_Os11g18570
AT3G50660 = NP_190935 O64589 AAC05093 CAB82435 AAL06567 AAL90927 DWF4 (DWARF 4)/CP08L_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
Q6F4F5 Oryza sativa BAD27424 Oryza sativa (japonica cultivar-group) C724B_ORYSA Cytochrome P450 724B1 (OsDWARF11) (Dwarf protein 11)/P450
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
AT5G05690 = NP_196188 NP_001031839 O42569 CAA60793 CAA60794 BAB09663 AAK68777 AAK96530 AAL36072 AAM10042 AAM65068 CPD (CABBAGE 3); heme binding/iron ion binding /monooxygenase/oxygen binding /CPD (CABBAGE 3); heme binding /iron ion binding /monooxyg
AAF89209 Vigna radiata cytochrome P450
CAD27417 Nicotiana tabacum cytochrome P450
ABC94481 Artemisia annua putative steroid 23-alpha-hydroxylase cytochrome P450
BAE16977 Zinnia elegans steroid 23-alpha-hydroxylase
BAE16978 Zinnia elegans steroid 23-alpha-hydroxylase
BAB1412 Oryza sativa (japonica cultivar-group) cytochrome p450 90a1
BAD90973 Oryza sativa (japonica cultivar-group) cytochrome P450
BAD90974 Oryza sativa (japonica cultivar-group) ABA95785 cytochrome P450/cytochrome p450 90a1
NP_913139 Oryza sativa (japonica cultivar-group) Q94HW5 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 BAB01109 AAL06603 CYP90D1; heme binding/iron ion binding /monooxygenase/oxygen binding /cytochrome P450-like protein /CYP90D /putative cytochrome P450 /putative cytochrome P450
AT4G36380 = NP_568002 O9M066 D85429 BAB16850 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_AT5G05690_76_1 Smo_AT5G05690_29_1
Smo_AT5G05690_138_1
Smo_AT5G05690_21_1
XP_478425 Oryza sativa (japonica cultivar-group) NP_912303 BAC56029 BAC83720 putative taxane 10-beta-hydroxylase(5-alpha-taxadienol-10-beta-hydroxylase)/putative taxane 10-beta-hydroxylase(5-alpha-taxadienol-10-beta-hydroxylase) /putative taxane 10
XP_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_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
XP_478431 Oryza sativa (japonica cultivar-group) BAC79651 putative 5-alpha-taxadienol-10-beta-hydroxylase/putative 5-alpha-taxadienol-10-beta-hydroxylase
NP_912311 Oryza sativa (japonica cultivar-group) XP_478427 BAC56035 BAC83722 putative taxane 10-beta-hydroxylase(5-alpha-taxadienol-10-beta-hydroxylase)/putative taxane 10-beta-hydroxylase(5-alpha-taxadienol-10-beta-hydroxylase) /putative taxane 10
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
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
BAC23044 Solanum tuberosum cytochrome P450
Smo_AT5G05690_77_1
Smo_AT5G05690_106_1
Smo_AT5G05690_50_1
Smo_AT5G05690_99_1
Smo_AT5G05690_93_1
Smo_AT5G05690_193_1
Smo_AT5G05690_11_1
Smo_AT5G05690_113_2
Smo_AT5G05690_18_1
Ppa_AT5G05690_22_1
Smo_AT5G05690_1_1
Smo_AT5G05690_2_1
Q8WV4T9 Taxus cuspidata AAL23619 T13H_TAXCU Taxane 13-alpha-hydroxylase (Cytochrome P450 725A2)/taxane 13-alpha-hydroxylase
AAXX20147 Taxus x media taxane 13-alpha-hydroxylase
AAXS9903 Taxus wallichiana var. chinensis 13-alpha-hydroxylase
Q9AXM6 Taxus cuspidata AAK09046 AAS49032 Taxus x media T10H_TAXCU Taxane 10-beta-hydroxylase (5-alpha-taxadienol-10-beta-hydroxylase) (Cytochrome P450 725A1)/5-alpha-taxadienol-10-beta-hydroxylase /5-alpha-taxadienol-10-beta-hydroxylase; Tm10bh
AAAS2360 Taxus wallichiana var. chinensis AAS19442 5-alpha-taxadienol-10-beta-hydroxylase/5-alpha-taxadienol-10-beta-hydroxylase
AAW03151 Botrytis sp. B72 AAX06091 taxane 10-beta-hydroxylase/P450 taxane 10-beta-hydroxylase
AAT47183 Taxus cuspidata taxoid 10-beta hydroxylase
AAO56240 Taxus cuspidata taxadiene 5-alpha hydroxylase
AAU93341 Taxus wallichiana var. chinensis taxadiene 5-alpha hydroxylase
AAS69065 Taxus canadensis taxoid 2-alpha-hydroxylase
AAV54171 Taxus wallichiana var. chinensis taxoid 2-alpha-hydroxylase
AAQ75553 Taxus cuspidata taxoid 7-beta-hydroxylase
AAO66199 Taxus cuspidata taxane 14b-hydroxylase
AT2G42850 = NP_181813 AAD21724 CYP718; heme binding/iron ion binding /monooxygenase/oxygen binding /putative cytochrome P450
XP_707238 Danio rerio PREDICTED: similar to Cytochrome P450, subfamily XXVIA, polypeptide 1 isoform 4
XP_699775 Danio rerio XP_707237 XP_683823 NP_571221 P79739 AAC60045 AAH55232 PREDICTED: similar to all-trans-retinoic acid 4-hydroxylase, partial/PREDICTED: similar to Cytochrome P450, subfamily XXVIA, polypeptide 1 isoform 3 /PREDICTED: similar to C
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 AAL32056 ABB42998 ABC46786 cytochrome P450, family 26, subfamily A, polypeptide 1/retinoic acid hydroxylase /retinoic acid hydroxylase
NP_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
XP_849374 Canis familiaris XP_543933 PREDICTED: similar to cytochrome P450, family 26, subfamily A, polypeptide 1 isoform 1 isoform 2/PREDICTED: similar to cytochrome P450, family 26, subfamily A, polypeptide 1 isoform 2 isoform 1
XP_000774 Homo sapiens XP_879081 PREDICTED: similar to Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450RAI) (Retinoic acid 4-hydroxylase) isoform 1/PREDICTED: similar to Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P4
AAH17673 Mus musculus Cytochrome P450, family 26, subfamily a, polypeptide 1
XP_879083 Rattus norvegicus AAH84267 CAH72804 cytochrome P450, family 26, subfamily A, polypeptide 1 isoform 1/cytochrome P450, family 26, subfamily A, polypeptide 1 isoform 2 /cytochrome P450, family 26, subfamily A, polypeptide 1 /cytochrome P
O43174 Homo sapiens AAB88881 CP26A_HUMAN Cytochrome P450 26A1 (Retinoic acid-metabolizing cytochrome) (P450 retinoic acid-inactivating 1) (P450RAI) (hP450RAI) (Retinoic acid