

logo

CYP39A1	...EILNYIIPSGDLLMLSPFW.LHRNPKYFPEPELKKPERWKKANLEKHS.....FLDCFMAFSGSKFKQCPARWFALLEVQMCIIILIYKYDCSLLD	441
CYP8B1	KMSSGQEYLFHRHGDILALFPYLSVHMDPDHPEPTVFVKYDRFLNPNNGSRKVDFFKTGKKIHHTYMPWGSQVSI	467
CYP7B1	SSETG.DYCVRKGDVAIFPPV.LHGDPEIFEAPEEFYDRFIE.DGKKKTTFFKRGKKLKCYLMPFGTGTSKCPGRFFALMEIKQLIVILITYFDLEIID	476
CYP7A1	HLEDG.SYNIRKDDIIALYPQL.MHLDPEIYPDPLTFKYDRYLDENGKTCTTFYCNGLKLKYIYMPFGSGGATICPGRLLFAIHEIKQFLILMLSYFELELIE	471
CYP11B1	....LQNYHIPAGTLVRVFLYS.LGRNPALFPRPERYNPQRWLDIRG.....SGRN..FYHVPFGFGMRQCLGRRRLAEAEMLLLLHHVLKHLQVETL.	476
CYP11B2	....LQNYHIPAGTLVQVFLYS.LGRNAALFPRPERYNPQRWLDIRG.....SGRN..FHHVPFGFGMRQCLGRRRLAEAEMLLLLHHVLKHLVETL.	476
CYP24A1	....LGEYALPKGTVLMMLNTQV.LGSSEDNFEDSSQFRPERWLQEKE.....KINP..FAHLPPFGVGKRMCI	488
CYP27B1	....VGDIIPKNTLVTLCHYA.TSRDPAQFPEPNSFRPARWLGEGP.....TPHP..FASLPFGFGKRS	482
CYP27A1	....VDGFLFPKNTQFVFCYV.VSRDPTAFSEPESEFQPHRWLRNSQPATPR...IQHP..FGSVPFYGVRACLGRRIAELEMQLLLARLIQKYKVVLAP	503
CYP26B1	....LDGFQIPKGWSVMYSIRD.THDTAPVFKDVNVFDPDRFSQARS....E...DKDG.RFHYPFGGGVVRTCLGKHLAKLFLKVLAVELASTSRFELAT	468
CYP26A1	....LNGYQIPKGWNVISICD.THDAEIFTNKEEFNPDRFMLPHP....E...D.AS.RFSFIPFGGGLRSCVKGKEFAKILLKIFTVELARHCDWQLLN	469
CYP21A2	...SISGYDIPEGTVIIPNLQG.AHLDETVERPHEFWPDRFLEPGK....N.....SRALAFGCGGARVCLGEPLARLELFVVITRLIQAFTLLPSG	456
CYP17A1	...SIGEFAVDKGEVIINLWA.LHHNEKEWHQPDQFMPPERFLNPAG...T...QLISPSVSYPFGAGPRSCIGEILARQELFLIMAWLLQRFDEVPD	469
CYP1B1	...SVLGYHIPKDTVVVFVNQWS.VNHDPLKWPNPENFDPARFLDKDG....L...INKDLTSRVMIFS	495
CYP2U1	...VLQGYTIPKGTILILPNLWS.VHRDPAIWEKPEDFYPNRFLDDQG....Q...LIKK..ETFIPFGIGKRVCMGEQLAKMELFLMFVSLMQSF	517
CYP2R1	...VVRGYSIPKGTITVITNLYS.VHFDEKYWRDPEVFHPPERFLDSSG....Y...FAKK..EALVPFSLGRRHCLGEHLARMEMFLFFTALQRFHLHFP	475
CYP2D6	...EVQGFRIPKGTTLITNLSS.VLKDEAVWEKPFERFHEHFLDAQG....H...FVKP..EAFLPFSAGRRACLGEPLARMEIFLFFTSLLQHSFSVPT	470
CYP2E1	...IFRGYLIPKGTVVVPTLDS.VLYDNQEFDPDEKFKPEHFLNENG....K...FKYS..DYFKPFSTGKRV	464
CYP2C9	...KFRNYLIPKGTITILISLTS.VLHDNKEFPNPEMFDPHHFLDEGG....N...FKKS..KYFMPFSAGKRICVGEALAGMEIFLFLTSILQNFNLKSLV	462
CYP2C8	...KFRNYLIPKGTITIMALLTS.VLHDDKEFPNPNIFDPGHFLDKNG....N...FKKS..DYFMPFSAGKRICAGEGLARMEIFLFLTTILQNFNLKSVD	462
CYP46A1	....IDGVRVPGNTPLLFSTYV.MGRMDTYFEDPLTFNPDRFGPGAP....K....PR..FTYFPFSLGHRSCIGQQFAQMEVKKVVMAKLLQRLEFRLVP	464
CYP3A4	...IN.GMFIPKGVVVMIPSYA.LHRDPKYWTEPEKFLPERFSKKNK....D...NIDP..YIYTPFGSGPRNCIGMRFALMNMKLALIRVLQNF	469
CYP4V2	...VAGYR.VLKGTEAVIIPYA.LHRDPRYFPNPEEFQPERFFPENAS...Q...GRHP..YAYVPFSAGPRNCIGQKF	494
CYP4F22	...LPDGRIPKGTICLVSIYG.THHNPTVWPD	502
CYP4F8	...LPDSRVIPKGNVCNINIFA.IHHNPSVWPDPEVYDPFRFDPENAS...Q...KRSP..MAFIPFSAGPRNCIGQKF	495
CYP4F12	...LPDGRVIPKGTITCLIDIIG.VHHNPTVWPDPEVYDPFRFDPENS...K...GRSP..LAFIPFSAGPRNCIGQAF	495
CYP4F2	...LPDGRVIPKGTICLVSVFG.THHNPAVWPDPEVYDPFRFDPENI...K...ERSP..LAFIPFSAGPRNCIGQTF	495
CYP4F3	...LPDGRVIPKGTICLVSVFG.THHNPAVWPDPEVYDPFRFDPKNI...K...ERSP..LAFIPFSAGPRNCIGQAF	495
CYP4X1	...FPDGGCTLPAGITVVLISIWG.LHHNPAVWKNPKVFDPLRFSQENS....D...QRHP..YAYLPFSAGSRNCIGQEF	481
CYP4A11	...FPDGRSLPKGIMVLLSIYG.LHHNPKVWPNLEVFDPFRFAPGSA.....QHS..HAFLPFSGGSRNCIGKQF	484
CYP4A22	...FPDGRSLPKGIMVLLSIYG.LHHNPKVWPNLEVFDPFRFAPGSA.....QHS..HAFLPFSGGSRNCIGKQF	484
consensus	** ***** * * * * * ! ! ** ! ! * ! ! ! ! * ! * * * * * *	

- non-conserved
- ≥ 50% conserved
- ≥ 90% conserved