CYP102A1 -TIKEMPQPKTFGELKNLPLLNTDKPVQALMKIADELGEIFKFEAPGRVTRYLSSQRLIKEACDE 64

CYP102A2 KETSPIPQPKTFGPLGNLPLIDKDKPTLSLIKLAEEQGPIFQIHTPAGTTIVVSGHELVKEVCDE

CYP102A3 KQASAIPQPKTYGPLKNLPHLEKEQLSQSLWRIADELGPIFRFDFPGVSSVFVSGHNLVAEVCDE

CYP102A1 SRFDKNLSQALKFVRDFAGDGLATSWTHEKNWKKAHNILLPSFSQQAMKGYHAMMVDI 122

CYP102A2 ERFDKSIEGALEKVRAFSGDGLATSWTHEPNWRKAHNILMPTFSQRAMKDYHEKMVDI

CYP102A3 KRFDKNLGKGLQKVREFGGDGLATSWTHEPNWQKAHRILLPSFSQKAMKGYHSMMLDI

CYP102A1 AVQLVQKWERLNADEHIEVPEDMTRLTLDTIGLCGFNYRFNSFY 166

CYP102A2 AVQLIQKWARLNPNEAVDVPGDMTRLTLDTIGLCGFNYRFNSYY

CYP102A3 ATQLIQKWSRLNPNEEIDVADDMTRLTLDTIGLCGFNYRFNSFY

CYP102A1 RDQPHPFITSMVRALDEAMNKLQRANPDDPAYDENKRQFQEDIKVMNDLV 216

CYP102A2 RETPHPFINSMVRALDEAMHQMQRLDVQDKLMVRTKRQFRYDIQTMFSLV

CYP102A3 RDSQHPFITSMLRALKEAMNQSKRLGLQDKMMVKTKLQFQKDIEVMNSLV

CYP102A1 DKIIADRKASGEQ-SDDLLTHMLNGKDPETGEPLDDENIRYQIITFLIAGHET 268

CYP102A2 DSIIAERRANGDQDEKDLLARMLNVEDPETGEKLDDENIRFQIITFLIAGHET

CYP102A3 DRMIAERKANPDENIKDLLSLMLYAKDPVTGETLDDENIRYQIITFLIAGHET

CYP102A1 TSGLLSFALYFLVKNPHVLQKAAEEAARVLVDPVPSYKQVKQLKYVGMVLNEALRLWPTA 328

CYP102A2 TSGLLSFATYFLLKHPDKLKKAYEEVDRVLTDAAPTYKQVLELTYIRMILNESLRLWPTA

CYP102A3 TSGLLSFAIYCLLTHPEKLKKAQEEADRVLTDDTPEYKQIQQLKYIRMVLNETLRLYPTA

CYP102A1 PAFSLYAKEDTVLGGEYPLEKGDELMVLIPQLHRDKTIWGDDVEEFRPERFENPSAIPQHAFKPFGNGQRACIGQQ 404

CYP102A2 PAFSLYPKEDTVIGGKFPITTNDRISVLIPQLHRDRDAWGKDAEEFRPERFEHQDQVPHHAYKPFGNGQRACIGMQ

CYP102A3 PAFSLYAKEDTVLGGEYPISKGQPVTVLIPKLHRDQNAWGPDAEDFRPERFEDPSSIPHHAYKPFGNGQRACIGMQ

CYP102A1 FALHEATLVLGMMLKHFDFEDHTNYELDIKETLTLKPEGFVVKAKSKKIPLGGIPSPST- 463

CYP102A2 FALHEATLVLGMILKYFTLIDHENYELDIKQTLTLKPGDFHISVQSRHQEAIHADVQAAE 466

CYP102A3 FALQEATMVLGLVLKHFELINHTGYELKIKEALTIKPDDFKITVKPRKTAAINVQRKEQA 466