

A)

OATP1A2	-----ET--	---HRIR--C	----LSKLKM	FLLAITCAFV	SKTL-SGSYM
OATP1B1	-----EN--	---KKTR--Y	----CNGLKM	FLAALSLSFI	AKTL-GAIIM
OATP1B3	-----EK--	---KKTR--R	----CNGFKM	FLAALSFSYI	AKAL-GGIIM
OATP1C1	-----SE--	---EKQP--C	----CGELKV	FLCALSFVYF	AKAL-AEGYL
OATP3A1	-----KK--	---KKKKVSC	----FSNIKI	FLVSECALML	AQGT-VGAYL
OATP2A1	-----SRAG	---RCAR-SV	----FGNIKV	FVLCQGLLQL	CQLL-YSAYF
OATP2B1	-----GKAS	PDPQDVRPSV	----FHNIKL	FVLCHSLLQL	AQLM-ISGYL
OATP4A1	-VSAGQSVAC	GWWAFAP-PC	LQ-VLNTPKG	ILFFLCAAAF	LQGMTVNGFI
OATP5A1	DL SKTFSVSS	ALAMLQERRC	LYVVLTD SRC	FLVCMCFLTF	IQALMVSGYL
OATP4C1	E-----EGSY	GWRNFHP-QC	LQ-RCNTPGG	FLLHYCLLAV	TQGI VVNGLV
OATP6A1	EVDDSL EQPC	GLGCLVS-TC	CE-CCNNIRC	FMIFYCILLI	CQGVVF-GLI

B)

556

OATP1A2	FIYSLAAIPG	YMVLLRCMK S	EEKSLGVGLH	TFCTRVFAGI	PAPIYFGALM
OATP1B1	FFSALGGTSH	VMLIVKIVQP	ELKSLALGFH	SMVIRALGGI	LAPIYFGALI
OATP1B3	LFSATGGTTF	ILLTVKIVQP	ELKALAMGFQ	SMVIRTLGGI	LAPIYFGALI
OATP1C1	YTL SLGGIPG	YILLRCIKP	QLKS FALGIY	TLAIRVLAGI	PAPVYFGVLI
OATP3A1	LIGAMAQTPS	VII LIRTVSP	ELKS YALGVL	FLLLRL LGFI	PPPLIFGAGI
OATP2A1	LIACISHNPL	YMMVLRVVNQ	EEKSFAIGVQ	FLLMRL LAWL	PSPALYGLTI
OATP2B1	ALACLTHTPS	FMLILRGVKK	EDKTLAVGIQ	FMFLRILAWM	PSPVIHGS AI
OATP4A1	FFTFLSSIPA	LTATLRCVRD	PQRSFALGIQ	WIVVRILGGI	PGPIAFGWVI
OATP5A1	FITACAQPSA	IIVTLRSVED	EERPFALGMQ	FVLLRTLAYI	PTPIYFGAVI
OATP4C1	IFTFMAGTPI	TVSILRCVNH	RQRSLALGIQ	FMVLRL LGTI	PGPIIFGFTI
OATP6A1	IFSGFSGVPI	VLAMTRVVPD	KLRSLALGVS	YVILRIFGTI	PGPSIFKMSG

C)

168

172

OATP1A2	-ENG TQILRP	TQD--PSECT	KEVKSLMWVY	VLVG-NIVRG	MGETPI LPLG
OATP1B1	NQI-LSLNRA	SPEIVGKGCL	KESGSYMWIY	VFMG-NMLRG	IGETPIVPLG
OATP1B3	NQT-LSFN GT	SPEIVEKDCV	KESGSHMWIY	VFMG-NMLRG	IGETPIVPLG
OATP1C1	SQLPVSVM EK	SKSKISNECE	VDTSSSMWIY	VFLG-NLLRG	IGETPIQPLG
OATP3A1	NGSGGD-EGP	DPDLI---CR	NRTATNMMYL	LLIGAQVLLG	IGATPVQPLG
OATP2A1	-KHWQDLPPS	KCHSTTQNPQ	KETS--SMWG	LMVVAQLLAG	IGTVPIQPF G
OATP2B1	-P-TTSAPAS	APSNGNCSSY	TETQHLSVVG	IMFVAQTLLG	VGGVPIQPF G
OATP4A1	-----PA	NPGAVCADST	SGLSR--YQL	VFMLGQFLHG	VGATPLYTLG
OATP5A1	-----TL	EPPA-CPKDS	GGNNHWVYVA	LFICAQILIG	MGSTPIYTLG
OATP4C1	-----TT	RNSTSCTSST	SSL-S-NYLY	VFILGQLLLG	AGGTPLYTLG
OATP6A1	-----EI	KVVSGCQSSG	ISFQS-KYLS	FFILGQTVQG	IAGMPLYILG