

MvicOBP1-----MLNL-KVMMFL
MvicOBP2-MKVSAATAVLVALVATVQSSDPNISTCYKSGTTKPPMSVTPTRLVPVQSSSTPTSHPQTTYAKDHSHGSTTTKSGANATATTASGASVNGT-ERPAVV
MvicOBP3-----MISS-TFYFTL
MvicOBP4-----MRGNYSLMVFL
MvicOBP5-----MSVN---SLTIKC
MvicOBP6-----MVAQKRMYNM--LPTTV
MvicOBP7-----MQ---KVVFIK
MvicOBP8-----MFAL--KVAYL
MvicOBP9-----MI----IKKTL
MvicOBP10-----MEHL--RKTNV

I
MvicOBP1---CLLS--VIVVY----CE-----SD---QVPINS---SAAVESLLETNMT--R---DEFED-M-----LTSP----NARELTIL-K
MvicOBP2---KS--SAGVT----GNLTTPKPTMTEG---HVALKQ-KLNTIAVKCKDELHAP--Q---EI-----MA----LVSNTVVP-Q
MvicOBP3-GIAML--ISCGY----GRFT-----TE---QIDYYG-----KAC---NAS-E---DD-----LV-----VVKSYKVP-S
MvicOBP4-A--IG--SQDIY----CQKQELSGKCQKAPDKAPL----NLEIIINIQQEEIKSALLQEALDILNEGNLEQNTPSYSSRSKR----EADEDLTNEE
MvicOBP5-AAVVLQISVIFADAGHHR---RGKELL-DTEDSDFFRCQKQASRKSCKGPENAMKRFGDKDKVAADECYAQVAEKFATVTATTPKQDLFSADTVKIT
MvicOBP6-AVIAA--T-VLK-----DCDAYLSETA-----IKK-TQQMLKSVCKSKHHSV-N-E---DVFLD-----IKKGIFPED
MvicOBP7-AIICQ---TVF-TAGYDRTWILRQKRMTNDDECRTLIPGPEKKLPSCQMPNILPNMDS---TWEKCFET---FKQFKD-KPETKQY---KEMAH
MvicOBP8---CLS--VAVVF----GE-----NN---QQNSND-RSATIFQSCISETKLS--G---DALKG-----FRSMSIP-K
MvicOBP9---LVS--VFIIF----GCLFSINKAADDADAADKELIS-KLFTVVFKCFKDADWG--T-----C-----GEMI-----TKYDITQAK
MvicOBP10-GVVIV--LLVIQ----KSSTRPQPDE-----LEE-IKKTLYNACAGKFPIT--E---EVKNN-----AKNSIFL-D

I
MvicOBP1-AHKCMFGCVMRKNHIVNDGVVSKEVLSKYVLFY-GRPDY-KRRLIIKDVEHIVDVCAKKV-----AD-ESETDECEL-AATLVTIVLEANKA-
MvicOBP2-QQRCCYLECVYKNLNLIKNNKFSVEDGKAMAKIRFANQPD-----EHKKAVTI IETCEKEA-----VID-PKTTEKCAA-GRVIRNCFVKNGEKN-
MvicOBP3-TGKCLMKCMITKLGLLNDGGSYNKTGMEAGLKKY-----WSEWSTEKIESINNKCYYEA-----LLVSKEVIATCNY-SYTVMACLNKQLDLD-
MvicOBP4-VAGCLLQCVYKKVKAVDETGFPPVVDGLMKLYNEGVDQDRNY-Y---MATL-SAVRHCSISIAQQLKQQQPSKSFDDGQTDL-AYEMFECVSEKIEENC
MvicOBP5-KQFCLHECIGKKNHLLTEDGSLNKTFIADYAMK-----SVFKEQWQKPVGLKALEKCLEETYI---PWPAEDKEN--VKNPVYVQFQHLWLQYESNC
MvicOBP6-NIKCYFACNFKTMQLINQKGSIDKKMFRDKMSMM-APPN-----VFNILSPVIEQCTGID-----DGKELQS-SYNNVIKCAHRVNPKSL
MvicOBP7-EPPCLFQCIFMQSGLTTS DGKLNKDAITKKMSEGINNDEKWKSTWQNS-----LNKCFDDVKQ-----EDKKQIPIMNTPAGRLMKCFLRDMYMSC
MvicOBP8-AEKCMMGLMRKVVNINKGKFSVEEATKVAQKYY-GTNE-----TMMKKAKDLIDVCAKKA-----QSTTEECAL-AGIVTTIVEEAQKA-
MvicOBP9-QCTCHMACAGEELGMINSSGQPEPAKFLEYVKRI-NNPD-----IKSQLQLVYDKCQN-----VKGSEKDL-AEQFAICAFKESPAK
MvicOBP10-NFKCFLKCCLDMSLIDDDGIIDGDSLKA---M-ASDK-----IKPILEQVVPNCLK-D-----VKQDGEA-AFDFLSGIKLNPLTV

I
MvicOBP1-VDD-----PARQI-----
MvicOBP2-LP-----
MvicOBP3-T-----
MvicOBP4-ENK-----SNNLSQRQV-----
MvicOBP5-NKIKITKKCEKTRNRYRMQ-KL-----TSN---
MvicOBP6-LPL-----
MvicOBP7-NVWVESSECLNVKDLVQKCPMPPPVFKSPPQLI
MvicOBP8-SGG-----PGSRSRRTVSPKFRNVN-----
MvicOBP9-VAT-----LM-ELLVKMKPKSK-----
MvicOBP10-LPL-----

I