

TOSV_M_H4906	1	MFIAKLLLLISCLVQQAYLKYTIISEIGNGTRTSFCYSSRTSLGSLLEAWD	50
RVFV_M_35_74	1	-----	0
TOSV_M_H4906	51	NVTESIGLTSGTCKVGSLENRDCRKDIMSNYVAEVHSNLHGLGAMMHNYG	100
RVFV_M_35_74	1	-----	0
TOSV_M_H4906	101	DDKRVEILNDVIPDELNPGHHNCSDLDRKPFWTEFINVAKPLSEIVPMSV	150
RVFV_M_35_74	1	-----	0
TOSV_M_H4906	151	IPPPVVKPQPPAEPSSKKHVPFDVLLSEAEKELNQTKIRLEDERKSNAEE	200
RVFV_M_35_74	1	-----MYVLLTILITVL--VCEAVIRV--SLSSTREE	28
TOSV_M_H4906	201	TA-KERARMKEIE---DELREWELEKRRKDMADDLAKETARRREIERK	246
RVFV_M_35_74	29	TCFGDYTNPEMIEGAWDSLREE-----EMPEELSCSISGIREVKTS	69
TOSV_M_H4906	247	AHELDRLKKKERESLIAKE-----KADEDMRSHVHKP-----	279
RVFV_M_35_74	70	SQELYRALK-----AIIAADGLNNITCHGKDPEDKISLVKGPPHKRVGI	114
TOSV_M_H4906	280	-----NTTRAPAPTIITLLMASAALA-GPLENRET	318
RVFV_M_35_74	115	VRCERRRDAKQIGRETAMGIAMTVLPALAVFALAPVFAED	164
TOSV_M_H4906	319	GAYTLDFA--ESTC-TLAYGSECKSWEHLLNEELFPFFHSNLDKYSMLE	365
RVFV_M_35_74	165	GHNYIDGMTQEDATCKPVTYAGACSSFDVLLLEKKGKPLFQSYAHRHTLLE	214
TOSV_M_H4906	366	AATETVPILNKSSAVCTISPSTHSSNACGREASVIRKKCYSNMSAFFYIN	415
RVFV_M_35_74	215	AVHDTI-IAKADPPSCDLQ-SAH-GNPCMKEKLVMTKTHCPNDYQSAHYLN	261
TOSV_M_H4906	416	LAGQITVVKCETNHVLSSDCGNCISKSLSG--QKVYTPVDVFCQKGWT	462
RVFV_M_35_74	262	NDGKMASVKCPKPYELTEDCNFC--RQMTGASLKKGSYPLQDLFCQSSD	309
TOSV_M_H4906	463	QSIPSTRYSKDICSIGLHTVKECKIG--TTSFERVGFIVVK-GRKMYIEQ	509
RVFV_M_35_74	310	DGSKLKTMMKGVCEVGVQALKKCD-GQLSTAHEVVPFAVFKNSKKVYLDK	358
TOSV_M_H4906	510	MKMRSRQEYSEDQFLC-----YKSESGSGSSVK-LKKFKVESCKGVTTS	552
RVFV_M_35_74	359	LDLKTEENLLPDSFVCFEHKGQYKGTMDSGQTKRELKSFDISQCPKIGGH	408
TOSV_M_H4906	553	SASKCSGDEYFCSRFP CETANVEAHCILRRHSAIVEVNVNGVWVPRCIG	602
RVFV_M_35_74	409	GSKKCTGDAAFC SAYECTAQYANAYCSHANGSGVVQIQVSGVWKKPLCVG	458
TOSV_M_H4906	603	YEEVLVKR-TSLKVEDTTERECDSCLWECGKNKLIVKTHGPKVYATACS	651
RVFV_M_35_74	459	YERVVVKRELSAKPIQRVE-PCTTCITKCEPHGLVVRSTGFKISSAVACA	507
TOSV_M_H4906	652	HGSCKSVMQKPATFVYLPYPGNSEIVGGDIGIHMTEESSPSNIHLVAHCF	701
RVFV_M_35_74	508	SGVCVTGSQSPSTEITLKYPGISQSSGGDIGVHMAHDDQSVSSKIVAHCF	557
TOSV_M_H4906	702	ARDSCDVSDCLFCVHGLLNYQCHTLFSALLI---STTVMSILTLLLLLV	747
RVFV_M_35_74	558	PQDPCLVHGCIVCAHGLINYQCHTALSFAVVVVFVSSVAIICLAILYKVI	607
TOSV_M_H4906	748	KGAKDLVKKLFHWLITPLCWLVSFCCWVVKSWKRRVGS AISRTNDTIGWR	797
RVFV_M_35_74	608	KCLKIAPRK---VLDPLMWITVFIRWVYKKMVARVADNINQVNREIGWM	653

Fig. S3

TOSV_M_H4906	798	ENRRHAQDIERAQYTGGA PGAKYSFYGV MILGLLSAQS CSESVIADSKI	847
RVFV_M_35_74	654	EGGQLALG-NPAPIPRHAPIPRYSTY-LMLLLIVSYASACSELIQASSRI	701
TOSV_M_H4906	848	MQCTTSGSSTLCKASGTVIMRLGPIGSESLILKGLKDSEKQFISIKTIS	897
RVFV_M_35_74	702	TTCSTEGVNTKRLSGTALIRAGSVGAEACMLKGVKEDQTKFLKIKTVS	751
TOSV_M_H4906	898	SELTCREGESFWTTLYTPICLSSRRCHLMGECVSDRCLKWKTNQTSAEFT	947
RVFV_M_35_74	752	SELSCREGQSYWTGFSFKLSSRRCHLVGECHVNRCLSWRDNETSAEFS	801
TOSV_M_H4906	948	GKAHGDVMHENRCFEQSGGIGYGC FNVNPSCLYVHSYLKSVYRNGFKVFR	997
RVFV_M_35_74	802	FVGESTTMRENKCFEQCGGWGCGCFNVNPSCLFVHTYLQSVRKEALRVFN	851
TOSV_M_H4906	998	CVAWNHRIRLEMTTHSRKFP MV-LMAMSTQPTDWGSIGLILDSEGITGTN	1046
RVFV_M_35_74	852	CIDWVHKLTLEITDFDGSVSTIDL GASSSRFTNWGVSLSLDAEGISGSN	901
TOSV_M_H4906	1047	SYSFMKHGSGSFAIIDD PYSPEPRKGFLGEVRCPTETAMRASPSCKMAP	1096
RVFV_M_35_74	902	SFSFIESPGKGYAIVDEPFSEI PRQGFLGEIRCNSESSVLSAHESECLRAP	951
TOSV_M_H4906	1097	NLIEYQPEMDTAECTTNMIDPMAIFNRGSLPQVRDGMTFTQSIEKNTVQA	1146
RVFV_M_35_74	952	NLISYKPMIDQLECTTNLIDPFVVF ERGSLPQTRNDKTFAASKGNRGVQA	1001
TOSV_M_H4906	1147	LTTGEVKASIRLTLDDYDVVYQNSQSDCSATFKNLTGCYSCDEGSRLCYQ	1196
RVFV_M_35_74	1002	FSKGSVQADLTLMFDNFEVD FVGA AVSCDAAFLNLTGCYSCNAGARVCLS	1051
TOSV_M_H4906	1197	VKAEGETIFHFINEEESINVINKV NPGVSDYCTVLHFSRPFVISIEGTYDC	1246
RVFV_M_35_74	1052	ITSTGTGTLSAHNKDGS LHIVLPSENGTKDQCQILHFTVPEVEEEEFMYSC	1101
TOSV_M_H4906	1247	GLSKRPMVIKGTLIATAPHDDR KHEGGSSLVNPKGGSVDFFGWLSGLTS	1296
RVFV_M_35_74	1102	DGDERPLLVKGTLIAIDPFDDR EAGGESTVNVNPKSGSWNFFDWFSGLMS	1151
TOSV_M_H4906	1297	WLGGPLKTFILTILGFLAVGLLLV VIIIIIRTGMQQ---ALKKKIK	1339
RVFV_M_35_74	1152	WFGGPLKTILLICLYVALSIGLFFLLIYLGRTGLSKMWLAATKKAS	1197

Fig. S3