

	TM3	TM4	TM5
	120	130	140
	150	160	170
	180	190	200
	210	220	
OR.SCAF12348.1	QAFVHVSFACCEMSILAVMAYDRYVAIC	PLRHSIMTRRR-LAAVGS	SLLAQCPVVSFLGIFVSTL
OR.SCAF7360.1P	QAFVMYSFACCEMSILAVMAYDRYVAIC	PLRHSIMTRRR-LAAVGS	SLLAHACTFTFPXVYLXPPRXKLCG-SKLQKLF
OR.SCAF11981.1	QAFVMYSFACCEMSILAVMAYDRYVAIC	PLRHSIMTRRR-LAAVGS	SLLVFFISLGVSTSTLQKCG-SKLQKLF
OR.SCAF8981.2	QSLVVTSSCTCNDFDFVIMYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF8981.3	QSLVVTSSCTCNDFDFVIMYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF13663.2P	QSLVHVSYCADFTLIVLMAYDRYVAIXR	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF7360.2P	QSYVLLSSICAEFSLIVLMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14677.3	QLFGIYCYVCFEFTSLVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF12097.1	QIYVFTYYSFEMTLGIYDRHVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF12097.2	QIYVFTYYSFEMTLGIYDRHVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF12097.4P	QIYVFTYYSFEMTLGIYDRHVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14321.1	QIYVFTYYSFELSLIVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14370.1	QIYVFTYYSFELSLIVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14328.1	QIYVFTYYSFELSLIVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14339.1	QIYVFTYYSFELSLIVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14339.2	QIYVFTYYSFELSLIVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14534.1P	QIYVFTYYSFELSLIVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14328.2	QIYVFTYYSFELSLIVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14703.1	QVYVLSYASLEFSLIVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14677.2	QIFCVYTYVNVFECTLAVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF3073.1	QIFCVYTYVNVFECTLAVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14677.4P	QIFCLYSYAQVQFCSLAVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14677.6	QIFCLYSYAHVQFCSLAVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14677.5P	QIFCVHSYGGVEFMTLAVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14677.7	QIFCVHSYGGVEFMTLAVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF8332.1	QMSYIYTSASVEFCSLAVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF15134.2	QCFAFYSLAGSEFLILAVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF15134.3	QCFAFYSLAGSEFLILAVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF15134.1	QYFAFYSLAGSEFLILAVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14677.1	QVFFTNVYSGSMFCLILAVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF11408.5	QAFITQYGTSHHTVLMIMAFDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF11408.3	QAFITQYGTSHHTVLMIMAFDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF15002.3P	QAFITQYGTSHHTVLMIMAFDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF15002.4	QAFITQYGTSHHTVLMIMAFDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF15002.2P	QAYLLHVVYGTGNLMLVLSVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF15002.1	QAYLLHVVYGTGNLMLVLSVMAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14601.1	QAFITQYGTSHHTVLMIMAFDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF15001.1	QMFYYSFATLESALALAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF15002.5	QMFYYSFATLESALALAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF15002.6	QMFYYSFATLESALALAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14677.8	QMFYYSFATLESALALAYDRYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF10960.3	LLLPAIITENTPLNLAAMALECYVAVCP	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF10960.2	FILLALFTTENTPLNLAAMALECYVAVCP	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF10960.6	FILLAVFTTRNTPLNLAAMALECYVAVCP	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF10960.5	ALLATMLTTQNTPLNLAAMALECYVAVCP	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF10960.4	LNVGAVLTTSDISPLTIVMMSLERYVAVCP	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14536.1	LNVGAVLTTSDISPLTIVMMSLERYVAVCP	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14536.4	LNVGAVLTTSDISPLTIVMMSLERYVAVCP	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14536.2	LNVGAVLTTSDISPLTIVMMSLERYVAVCP	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14536.3	LNVGAVLTTSDISPLTIVMMSLERYVAVCP	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF11324.1	LNVGAVLTTSDISPLTIVMMSLERYVAVCP	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14536.5P	LNVGAVLTTSDISPLTIVMMSLERYVAVCP	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14825.1	LNVGAVLTTSDISPLTIVMMSLERYVAVCP	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14448.1	LLFLSTTTFQNTPLIATMSLERYVAIFY	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF14955.1	LLFLSTTTFQNTPLIATMSLERYVAIFY	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY
OR.SCAF12434.1	CYLIVLFCGFIPTVITAMTLERYVAIC	PLRHSIMTQR-VSVVFAA	WFVVPVQMLVLIISTSTLRLCG-SKISRVY

Figure S3

TM5
TM6
TM7
↓

230
240
250
260
270
280
290
300
310
320
330

OR.SCAF12348.1 YVLHGFFI IWTYVHLAITCTN-SKE--D-RVKFICQTCI PHLVSLIVFLFV-IVFDLMFMRFG---SKTL PQSLMNLIGIKFVIFPFLVNPFIYGFKLOKIRHRIRAGYVSR
OR.SCAF7360.1P YVLHGFFI VWTYVHLAITCTN-SKE--D-RVKFICQTCI PHLVSLIVFIFV-VMFDMVFMRFG---SKTL PQSLMNLIGIKFVIFPFLVNPFIYGFKLOKIRHRVAGYV--
OR.SCAF11981.1 YVLHGFFI VWTYVHLAITCTN-SKE--D-RVKFICQTCI PHLVSLIIFLFLV-IVFDLMFMRFG---SKTL PQSLMNLIGIKFVIFPFLVNPFIYGFKLOKIRGKIAGFVFRK
OR.SCAF8981.2 YLCLFLLVIVSYFHMKTCLT-SKD--D-RIKFLQCLPHLMSFIVVSMC-LFFDILHEGFS---SERIPESARNFIAIQFLVLPFLINPLIYGLKLNKVRNRINRFMCR
OR.SCAF8981.3 YFCFVLLVIVSYFHMKTCLS-SKD--D-RIKFLQCLPHLMSFIVVSMC-LFFDMLYEKLS---TEKIPKSTQNFIAIEFLFFPELINPLIYGLKLNKVRNRIEKFLCR
OR.SCAF13663.2P YFCLFLLVIVSYFHMKTCLT-SKE--D-RIKFLQCLPHLMSLIVVATC-LFFDVLVYQLS---SERIPESAQNFAIQFLVLPFLINPLIYGVKLSKVRNRIEVFLFR
OR.SCAF7360.2P NVRQFIVVIVSYVHLIRKQLV-SQK--S-RAKEMQCLPHALCLITVATY-LFFDMLVYQFLS---STQLPQIFONFIAIQFLVLPVIVNPLIYGFNLKQIRKRIQVQLFC
OR.SCAF14677.3 HLSQTTLLIVSYTHLVRASMK-LRS--N-RRKFMQTCVPHLALVFTTES-LFFDIMYRYGGSSSSSTLAVLQNALAAEFVLPVPEIINPIYGINLHQIRTKILOHLRP
OR.SCAF12097.1 IFFPFLVLYTYVQIVAVCWKGAEE--F-RRKVFQNCPLPHVVSFLVNSLT-IVCDVAFSRYN---IEEINPFLAVILSLSEFVILIPVLPVNPVYGLKLPQIRREIFRLFAK
OR.SCAF12097.2 IFFPFLVLYTYVQIVAVCWKGAEE--F-RRKVFQNCPLPHVVSFLVNSLT-IVCDVAFSRYN---IEEINPFLAVILSLSEFVILIPVLPVNPVYGLKLPQIRREIFRLFAK
OR.SCAF12097.4P IFFPFLVLYTYVQIVAAKCRKGAEE--F-RRKVFQNCPLPHVVSFLVNSLT-IVCDVAFSRYN---IEEINPFLAVILSLSEFVILIPVLPVNPVYGLKLPQIRREIVLRFK
OR.SCAF14321.1 VFLPFVFLVLYTYGRIFLIQRKRSTSD--F-KRKVVQVQSCPLHIITFVNYSIN-VFCDVALSRID---LESLNPHYIAVILSLSEFVIVPELVNPLVYGLKLPQIRKCIIRMFQ
OR.SCAF14370.1 VFLPFVFLVLYTYGRIFLIQRKRSTSD--F-KRKVVQVQSCPLHIITFVNYSIN-VFCDVALSRID---LESLNPHYIAVILSLSEFVIVPELVNPLVYGLKLPQIRKCIIRMFQ
OR.SCAF14328.1 IFLPFLVLYTYGRIFLIQRKRSTSD--F-KRKVVQVQSCPLHIITFVNYSIN-VFCDVALSRID---LESLNPHYIAVILSLSEFVIVPELVNPLVYGLKLPQIRKCIIRMFQ
OR.SCAF14339.1 IFLPFLVLYTYGRIFLIQRKRSTSD--F-KRKVVQVQSCPLHIITFVNYSIN-VFCDVALSRID---LESLNPHYIAVILSLSEFVIVPELVNPLVYGLKLPQIRKCIIRMFQ
OR.SCAF14339.2 VFLPFVFLVLYTYGRIFLIQRKRSTSD--F-KRKVVQVQSCPLHIITFVNYSIN-VFCDVALSRID---LESLNPHYIAVILSLSEFVIVPELVNPLVYGLKLPQIRKCIIRMFQ
OR.SCAF14332.1 IFLPFLVLYTYGRIFLIQRKRSTSD--F-KRKVVQVQSCPLHIITFVNYSIN-VFCDVALSRID---LESLNPHYIAVILSLSEFVIVPELVNPLVYGLKLPQIRKCIIRMFQ
OR.SCAF14328.2 AFPLPFLVLYTYGRIFLIQRKRSTSD--F-KRKVVQVQSCPLHIITFVNYSIN-VFCDVALSRID---LESLNPHYIAVILSLSEFVIVPELVNPLVYGLKLPQIRKCIIRMFQ
OR.SCAF14703.1 IIPQLMLVLFVSYVQSRVCRKLPKE--S-RCNALKTCI PHLLSLMIYITIG-SIFETIQTRFN---MNHVVAEARIFMSLFFVILPFLVNPVYGLTQIRVYLLKRLMG
OR.SCAF14677.2 VLVPLVPLVILFVSYLRLLQVCFSGSRQ--T-ROKAVSTCSPHLVSLNLFALT-CLLEIVQTRLS---LAGLPRMLRNVLVSLYFLLIQELMTFVMHGLQVSAIRSRCKAVLWP
OR.SCAF3073.1 VLVPLVPLVILFVSYLRLLQVCFSGSRQ--T-ROKAVSTCSPHLVSLNLFALT-CLLEIVQTRLS---LAGLPRMLRNVLVSLYFLLIQELMTFVMHGLQVSAIRSRCKAVLWP
OR.SCAF14677.4P VLVPLVPLVILFVSYLRLLQVCFSGSRQ--T-ROKAVSTCSPHLVSLNLFALT-CLLEIVQTRLS---LAGLPRMLRNVLVSLYFLLIQELMTFVMHGLQVSAIRSRCKAVLWP
OR.SCAF14677.6 VLVPLVPLVILFVSYLRLLQVCFSGSRQ--T-ROKAVSTCSPHLVSLNLFALT-CLLEIVQTRLS---LAGLPRMLRNVLVSLYFLLIQELMTFVMHGLQVSAIRSRCKAVLWP
OR.SCAF14677.5P VVGCLLVIGYSYLRLLQVCFSGSRQ--T-ROKAVSTCSPHLVSLNLFALT-CLLEIVQTRLS---LAGLPRMLRNVLVSLYFLLIQELMTFVMHGLQVSAIRSRCKAVLWP
OR.SCAF14677.7 VVGCLLVIGYSYLRLLQVCFSGSRQ--T-ROKAVSTCSPHLVSLNLFALT-CLLEIVQTRLS---LAGLPRMLRNVLVSLYFLLIQELMTFVMHGLQVSAIRSRCKAVLWP
OR.SCAF8332.1 VIVPFSLLVLSYKLLAVCLKASKE--N-ROKAVSTVTPQIVSVSNLFGV-CTFHLESRTD---VTFPLVNIIVIFFSYVLLIFQEMINPFMYGFSLPKTKQSFKRLMFR
OR.SCAF15134.2 VILPVVFILESYIRILLVSYQSSRE--V-RRKAAQCLPHLILINFSF-TIYDVLLIRLS---TTVPKTVRFLITLQIMMYQELFNPIIYGLKMRBISKHLKLFAR
OR.SCAF15134.3 VILPVVFILESYIRILLVSYQSSRE--V-RRKAAQCLPHLILINFSF-TIYDVLLIRLS---TTVPKTVRFLITLQIMMYQELFNPIIYGLKMRBISKHLKLFAR
OR.SCAF15134.1 VILPVVFILESYIRILLVSYQSSRE--V-RRKAAQCLPHLILINFSF-TIYDVLLIRLS---TTVPKTVRFLITLQIMMYQELFNPIIYGLKMRBISKHLKLFAR
OR.SCAF14677.1 IALPCLLVILFVSYRLLVSYQSSRE--V-RRKAAQCLPHLILINFSF-TIYDVLLIRLS---TTVPKTVRFLITLQIMMYQELFNPIIYGLKMRBISKHLKLFAR
OR.SCAF11408.5 LCSSIGSVLTYTKTITIVQVTSNSK-SV-NSKALKTCSTHLTVYLIMLIS-GCIVILMHR-----FPQYAEYRKLGGILFVIVPSSLNPIYGVQSKBIOKFLRKSTLL
OR.SCAF11408.3 LCSSIGSVLTYTKTITIVQVTSNSK-SV-NSKALKTCSTHLTVYLIMLIS-GCIVILMHR-----FPQYAEYRKLGGILFVIVPSSLNPIYGVQSKBIOKFLRKSTLL
OR.SCAF15002.3P QIISLTIQAFSYRLLVLAACRVSQRS-ET-KLKAIPCVACLMIIVIFEFV-FTFTLLSRFN---KNVSADLQKIMGMLIFLIPVLPVNPVYGLRDSQSFYVGRVYLLC
OR.SCAF15002.4 QVVANWIMYTYLQQLVACFRSKHP-DT-KSKALQCATHLVFLLECL-GLFTIISYRL-----KDISPHFGKFMGMSTLIFPPTLNPFIYGLKTKBIREKLEAFCRN
OR.SCAF15002.2P QGAPLAMMYTYAQLLYVGVSTKST-DA-RKKAICQCSHLLVYLLRKY~DYRVFIDLFIH~---GVMGX-----PNVHPSIRRAFGLSVLVFPPLDLEFIYGLRVKLLKGLKML---
OR.SCAF15002.1 QGAPLAMMYTYAQLLYVGVSTKST-DA-RKKAICQCSHLLVYLLQVN-TLFTLLAHFN-----PNVHPSIRRAFGLSVLVFPPLDLEFIYGLRVKLLKGLKML---
OR.SCAF14601.1 FWLPLLEFIILSYLYISCTLAKVANF-QR-GLKALKPCTGHLVAVIYFIP-LIITFTLM-----ENIHPNARIINLSLTSVFPPLNPIIYVLOQEBKDSLRLLKN
OR.SCAF15001.1 LVAPPVFIIVLTYAHLTLLFRMKS-V-NS-RMKALSTCVHLLVAVFYIP-LFTIFIFGFYV---RLIDADLRVLSLSMASCIPPCINPIYSLKTKBIRKRAVALFRK
OR.SCAF15002.5 LLLPLAFIVFVSYRLLVIMRRENG-AG-RRKTLSTCTQLFITCLFYLP-RCFVYVANTVG---FYFSVDVIRLLVLLVSLVPPAVNPEIYCFKTDQIKQTLIKKLRN
OR.SCAF15002.6 LLVPLSFILESYRLLVAVLKTSON-DR-RYKVLSCPIQFVTVCLYYP-RCFVYIATDLG---FELSGETRTIVTMYSLMPEAMLEPIIYGLKTKBIREKLEAFCRN
OR.SCAF14677.8 VGMDIPLIFVSYAKLLSVSRASVASED-RWKAFFTCGTHLVMVMCFYLV-GSVTFLSRNLN---IYIPADVNTFMGMVYILFPATVNPFIYGVRTTEIRNGFFKLCCK
OR.SCAF10960.3 LVMVWITMFAVFRILVAAKTASD---AKKARNIIVLHSPQLLLCMAA-YLTPALRDALQRRFPE-NSVDVLFASVYLVQILPRSLSPVYVSRDQTFRRYLRVYLLR
OR.SCAF10960.2 LLAVWLVIYTYFERILFTATSASD---SRKARRTIVLHGVOVLLCMAT-YAEPQLLQALQLWFFR-SYSDSLFACYIIVQILPRSPFIYGVDRDQTFRRYLRVYLLR
OR.SCAF10960.5 FCCVFLTLEFTYKLVFAARATSTQRTS-AOKARKTILHGAQLFMCLLS-YVSPAEEVLLQLIFPG-QILEIRFANFLIVVLPVLPVNPVYGLRDSQSFYVGRVYLLC
OR.SCAF10960.4 LGLVWSTLVYTYRLLVVAKAADGA---AKKARSILHAFQMLLSMLV-YVQPMVVGAGTMAPA-RLLLHFLIFLNLQMLPRFLSPEFIYGVDRDQTFRRYLRVYLLR
OR.SCAF14536.1 FVSAGATILFVSYIGVTVAAKSASTDKTT-SOKARHLLHLVQLGLSLSS-TMYPILTALSRTVIRI VLVRVQIVLYVWFFILPRCLSALYIGIRDRTIRPVFFYCLCC
OR.SCAF14536.4 FVSAGAAIFVSYIGVTVAAKSASTDKTT-SOKARHLLHLVQLGLSLSS-TLYTPILTALSRTVIRI VLVRVQIVLYVWFFILPRCLSALYIGIRDRTIRPVFFYCLCC
OR.SCAF14536.2 FVSAGAAIFVSYIGVTVAAKSASTDKTT-SOKARHLLHLVQLGLSLSS-TLYTPILTALSRTVIRI VLVRVQIVLYVWFFILPRCLSALYIGIRDRTIRPVFFYCLCC
OR.SCAF14536.3 FVSAGAAIFVSYIGVTVAAKSASTDKTT-SOKARHLLHLVQLGLSLSS-TLYTPILTALSRTVIRI VLVRVQIVLYVWFFILPRCLSALYIGIRDRTIRPVFFYCLCC
OR.SCAF14536.5P FVSAGAAIFVSYIGVTVAAKSASTDKTT-SOKARHLLHLVQLGLSLSS-TAVHTNTDSIIKTNDEDVCVCTKFLYVCFILPRCLSALYIGIRDRTIRPVFFYCLCC
OR.SCAF14825.1 FVSAGAAIFVSYIGVTVAAKSASTDKTT-SOKARHLLHLVQLGLSLSS-TLSTPFIALSTLVMSIALFRAQNVLYVCFILPRCLSALYIGIRDRTIRPVFFYCLCC
OR.SCAF14448.1 FAVVAVVIETVMRILLETTRKLRQDRFS-VNRAMHVVLLHGFQLLSVLS-FTSP-ITETTLVLPNWLREDIAFNFYCFILIPRFLSPLIYGFDRDQTFRRYLRVYLLC
OR.SCAF14955.1 FAVVAVVIETVMRILLETTRKLRQDRFS-VNRAMHVVLLHGFQLLSVLS-FTSP-ITETTLVLPNWLREDIAFNFYCFILIPRFLSPLIYGFDRDQTFRRYLRVYLLC
OR.SCAF12434.1 FVIMLTLTILSYVYKIMKIAKAAASBEKTKSTFGLKQVILHSPQLLLCLLQWCPFTESVVFEN--DKVIFSYVRFNRYVVFYIAPRCLSALYIGLRDEKIFLAKVRVLFK

Figure S3

	340	350	360
OR.SCAF12348.1		
OR.SCAF7360.1P	K-----		
OR.SCAF11981.1	K-----		
OR.SCAF8981.2	KS-----		
OR.SCAF8981.3	KS-----		
OR.SCAF13663.2P	KIXVCFQ-----		
OR.SCAF7360.2P	KRF-----		
OR.SCAF14677.3	REEPQKPPARS-----		
OR.SCAF12097.1	HKLGRLS-----		
OR.SCAF12097.3	HKLGRLS-----		
OR.SCAF12097.2	HKLGRLS-----		
OR.SCAF12097.4P	QKILTQN-----		
OR.SCAF14321.1	PEKKV-----		
OR.SCAF14370.1	PEKKV-----		
OR.SCAF14328.1	PEKKV-----		
OR.SCAF14339.1	PEKKV-----		
OR.SCAF14339.2	PEK-----		
OR.SCAF14534.1P	-----		
OR.SCAF14328.2	PEK-----		
OR.SCAF14703.1	NKVLGERKAKTLRQPKSTG-----		
OR.SCAF14677.2	EKLPRRFSK-----		
OR.SCAF3073.1	EKLPRRFSK-----		
OR.SCAF14677.4P	EG-----		
OR.SCAF14677.6	EG-----		
OR.SCAF14677.5P	-----		
OR.SCAF14677.7	-----		
OR.SCAF8332.1	NK-----		
OR.SCAF15134.2	KVLG-----		
OR.SCAF15134.3	KVLG-----		
OR.SCAF15134.1	KVLG-----		
OR.SCAF14677.1	GILQHR-----		
OR.SCAF11408.5	NKKSPFVIF-----		
OR.SCAF11408.3	IKRVSF-----		
OR.SCAF15002.3P	RRVSV-----		
OR.SCAF15002.4	KFFKSLSGQ-----		
OR.SCAF15002.2P	-----		
OR.SCAF15002.1	-----		
OR.SCAF14601.1	SQSLKWAQRKHPILPQPSGSR-----		
OR.SCAF15001.1	HKIRAIKA-----		
OR.SCAF15002.5	TRIGTEVNVSF-----		
OR.SCAF15002.6	GKIHVFK-----		
OR.SCAF14677.8	RVKKLTKVSPVGKRQT-----		
OR.SCAF10960.3	WRR-----		
OR.SCAF10960.2	RAQRAPERPGDGGPKPAACFCLD-----		
OR.SCAF10960.6	LRCRVQ-----GPKEAP-----		
OR.SCAF10960.5	RRSPA-----		
OR.SCAF10960.4	TRSQQGAPPPGRQAKARK-----		
OR.SCAF14536.1	QLTISVFPKGYK-----		
OR.SCAF14536.4	RLTISVFPKGYK-----		
OR.SCAF14536.2	QLTISVFPKGYK-----		
OR.SCAF14536.3	QCNI SVFLAKGYK-----		
OR.SCAF11324.1	RLSHSVFPNKGYK-----		
OR.SCAF14536.5P	QLTHSIFPNKGDQSFNSNRKK-----		
OR.SCAF14825.1	RLTISILPAKGYK-----		
OR.SCAF14448.1	CSNRVGGGRCKP-----		
OR.SCAF14955.1	CSNRVGGGRCKP-----		
OR.SCAF12434.1	-LRW-----		

Figure S3