



	1270	1280	1290	1300	1310	1320	1330	1340	1350
QQX23166.1 QRW72599.1	GNLHPDSATLVSD GNLHPDSATLVSD	IDITFLKKDAP	YIVGDVVQEG	VLTAVVIPTK	KAGGTTEMLAF	ALRKVPTDN	YITTYPGQGLN	IGYTVEEAKT	VLKKCK
QRW94969.1 QTS05353.1	GNLHPDSATLVSD GNLHPDSATLVSD	IDITFLKKDAP	YIVGDVVQEG	VLTAVVIPTK	KAGGTTEMLAF	(ALRKVPTDN	YITTYPGQGL	IGYTVEEAKT	VLKKCK
QRG12920.1 QRA62205.1	GNLHPDSATLVSD GNLHPDSATLVSD	IDITFLKKDAP	YIVGDVVQEG	VLTAVVIPTK	KAGGTTEMLAF	(ALRKVPTDN	YITTYPGQGL	IGYTVEEAKT	VLKKCK
QQY88323.1 QUD46615.1	GNLHPDSATLVSD GNLHPDSATLVSD GNLHPDSATLVSD	IDITFLKKDAP	YIVGDVVQEG	VLTAVVIPTK	KAGGTTEMLAF	ALRKVPTDN	YITTYPGQGLN	IGYTVEEAKT	VLKKCK
QUB20429.1 QQV43579.1 consensus>70	GNLHPDSATLVSD GNLHPDSATLVSD GNLHPDSATLVSD	IDITFLKKDAP	YIVGDVVQEG	VLTAVVIPTK	KAGGTTEMLAF	ALRKVPTDN	YITTYPGQGLN	IGYTVEEAKT	VLKKCK
consensus- 70	ONE DI DONTE VOD	IDIII DARDAI	11705770	V 11 1 1 X	NACCI I EMEAI	CHERRY I I DR		OIIVEERKI	VIRKOR
QQX23166.1	1360 SAFYILPSIISNE								
QRW72599.1 QRW94969.1	SAFYILPSIISNE SAFYILPSIISNE	KQEILGTVSWN	LREMLAHAEE!	TRKLMPVCVE	TKAIVSTIÕRF	KYKGIKIQEG'	VVDYGARFYFY	TSKTTVASL	INTLND
QTS05353.1 QRG12920.1 QRA62205.1	SAFYILPSIISNE SAFYILPSIISNE SAFYILPSIISNE	KQEILGTVSWN	LREMLAHAEE!	TRKLMPVCVE	TKAIVSTIQRE	KYKGIKIQEG	VVDYGARFYFY	TSKTTVASL	INTLND
QQY88323.1 QUD46615.1	SAFYILPSIISNE SAFYILPSIISNE	KQEILGTVSWN	LREMLAHAEE!	TRKLMPVCVE	TKAIVSTIQRE	KYKGIKIQEG	VVDYGARFYFY	TSKTTVASL	INTLND
QUB20429.1 QQV43579.1	SAFYILPSIISNE SAFYILPSIISNE	KQEILGTVSWN	LREMLAHAEE'	TRKLMPVCVE	TKAIVSTIQRE	KYKGIKIQEG	VVDYGARFYFY	TSKTTVASL	INTLND
consensus>70	SAFYILPSIISNE	KQEILGTVSWN	LREMLAHAEE!	TRKLMPVCVE	TKAIVSTIQRE	KYKGIKIQEG	VVDYGARFYFY	TSKTTVASL	INTLND
QQX23166.1	1450 LNETLVTMPLGYV	1460 TUCINI E E X X P	1470 VMDST KVD AU	1480 VSVSSDDAVT	1490 AVNOVI TISSE	1500	1510 TSTACSVEDWS	1520 VSCOSTOTO	1530
QRW72599.1 QRW94969.1	LNETLVTMPLGYV LNETLVTMPLGYV	THGLNLEEAAR	YMRSLKVPAT	VSVSSPDAVT	AYNGYLTSSSE	TPEEHFIET	ISLAGSYKDWS	YSGQSTQLG	IEFLKR
QTS05353.1 QRG12920.1	LNETLVTMPLGYV LNETLVTMPLGYV	THGLNLEEAAR	YMRSLKVPAT	VSVSSPDAVT	AYNGYLTSSSE	TPEEHFIET	ISLAGSYKDWS	YSGQSTQLG	IEFLKR
QRA62205.1 QQY88323.1	LNETLVTMPLGYV LNETLVTMPLGYV	THGLNLEEAAR THGLNLEEAAR	YMRSLKVPAT YMRSLKVPAT	VSVSSPDAVT VSVSSPDAVT	AYNGYLTSSSI AYNGYLTSSSI	TPEEHFIET TPEEHFIET	ISLAGSYKDWS ISLAGSYKDWS	YSGQSTQLG YSGQSTQLG	IEFLKR IEFLKR
QUD46615.1 QUB20429.1	LNETLVTMPLGYV LNETLVTMPLGYV	THGLNLEEAAR	YMRSLKVPAT	VSVSSPDAVT	AYNGYLTSSSE	TPEEHFIET	ISLAGSYKDWS	YSGQSTQLG	IEFLKR
QQV43579.1 consensus>70	LNETLVTMPLGYV LNETLVTMPLGYV								
	1540	1550	1560	1570	1580	1590	1600	1610	1620
QQX23166.1 QRW72599.1	GDKSVYYTSNPTT GDKSVYYTSNPTT	FHLDGEVITFD	NLKTLLSLRE	VRTIKVFTTV	DNINLHTQVVI	MSMTYGQQF	GPTYLDGADV1	KIKPHNSHE	GKTFYV
QRW94969.1 QTS05353.1	GDKSVYYTSNPTT GDKSVYYTSNPTT	FHLDGEVITFD	NLKTLLSLRE	VRTIKVFTTV	DNINLHTQVVI	MSMTYGQQF	GPTYLDGADV1	KIKPHNSHE	GKTFYV
QRG12920.1 QRA62205.1	GDKSVYYTSNPTT GDKSVYYTSNPTT	FHLDGEVITFD	NLKTLLSLRE	VRTIKVFTTV	DNINLHTQVVI	MSMTYGQQF	GPTYLDGADV1	KIKPHNSHE	GKTFYV
QQY88323.1 QUD46615.1 QUB20429.1	GDKSVYYTSNPTT GDKSVYYTSNPTT GDKSVYYTSNPTT	FHLDGEVITFD	NLKTLLSLRE	VRTIKVFTTV	DNINLHTQVVI	MSMTYGQQF	GPTYLDGADV1	KIKPHNSHE	GKTFYV
QQV43579.1 consensus>70	GDKSVYYTSNPTT GDKSVYYTSNPTT	FHLDGEVITFD	NLKTLLSLRE	VRTIKVFTTV	DNINLHTQVVI	MSMTYGQQF	GPTYLDGADV1	KIKPHNSHE	GKTFYV
	1630	1640	1650	1660	1670	1680	1690	1700	1710
QQX23166.1 QRW72599.1	LPNDDTLRVEAFE LPNDDTLRVEAFE	YYHTTDPSFLG	RYMSALNHTK	KWKYPQVNGL	TSIKWADNNCY	LATALLTLQ	QIELKFNPPAI	QDAYYRARA	GEAANF
QRW94969.1 QTS05353.1	LPNDDTLRVEAFE LPNDDTLRVEAFE	YYHTTDPSFLG	RYMSALNHTK	KWKYPQVNGL	TSIKWADNNCY	LATALLTLQ	QIELKFNPPAI	QDAYYRARA	GEAANF
QRG12920.1 QRA62205.1	LPNDDTLRVEAFE LPNDDTLRVEAFE	YYHTTDPSFLG	RYMSALNHTK	KWKYPQVNGL	TSIKWADNNCY	LATALLTLQ	QIELKFNPPAI	QDAYYRARA	GEAANF
QQY88323.1 QUD46615.1	LPNDDTLRVEAFE LPNDDTLRVEAFE	YYHTTDPSFLG	RYMSALNHTK	KWKYPQVNGL	TSIKWADNNCY	LATALLTLQ	Q I E L K F N P P A I	QDAYYRARA	GEAANF
QUB20429.1 QQV43579.1	LPNDDTLRVEAFE LPNDDTLRVEAFE	YYHTTDPSFLG	RYMSALNHTK	KWKYPQVNGL	TSIKWADNNCY	LATALLTLQ	QIELKFNPPAI	QDAYYRARA	GEAANF
consensus>70	LPNDDTLRVEAFE	YYHTTDPSFLG	RYMSALNHTK	KWKYPQVNGL	TSIKWADNNCY	/LATALLTLQ	QIELKFNPPAI	.QDAYYRARA	GEAANF
QQX23166.1	1720 CALILAYCNKTVG	1730 ELGDVRETMSY	1740 LFQHANLDSCI	1750 KRVLNVVCKT	1760 CGQQQTTLKGV	1770 EAVMYMGTL	1780 SYEQFKKGVQI	1790 PCTCGKQAT	1800 KYLVQQ
QRW72599.1 QRW94969.1	CALILAYCNKTVG CALILAYCNKTVG	ELGDVRETMSY	LFQHANLDSC	KRVLNVVCKT	CGQQQTTLKGV	/EAVMYMGTL	SYEQFKKGVQI	PCTCGKQAT	KYLVQQ
QTS05353.1 QRG12920.1	CALILAYCNKTVG CALILAYCNKTVG	ELGDVRETMSY	LFQHANLDSC	KRVLNVVCKT	CGQQQTTLKGV	/EAVMYMGTL	SYEQFKKGVQI	PCTCGKQAT	KYLVQQ
QRA62205.1 QQY88323.1 QUD46615.1	CALILAYCNKTVG CALILAYCNKTVG CALILAYCNKTVG	ELGDVRETMSY	LFQHANLDSC	KRVLNVVCKT	CGQQQTTLKGV	/EAVMYMGTL	SYEQFKKGVQI	PCTCGKQAT	KYLVQQ
QUB20429.1 QQV43579.1	CALILAYCNKTVG CALILAYCNKTVG	ELGDVRETMSY	LFQHANLDSC	KRVLNVVCKT	CGQQQTTLKGV	/EAVMYMGTL	SYEQFKKGVQI	PCTCGKQAT	KYLVQQ
consensus>70									
00 V 23166 1	1810 ESPEVMMS A PRAC	1820	1830	1840	1850	1860	1870	1880	1890
QQX23166.1 QRW72599.1 QRW94969.1	ESPFVMMSAPPAQ ESPFVMMSAPPAQ ESPFVMMSAPPAQ	YELKHGTFTCA	SEYTGNYQCG	HYKHITSKET	LYCIDGALLTE	(SSEYKGPIT	DVFYKENSYTI	TIKPVTYKL	DGVVCT
QTS05353.1 QRG12920.1	E SPFVMMSAPPAQ E SPFVMMSAPPAQ	YELKHGTFTCA	SEYTGNYQCG	HYKHITSKET	LYCIDGALLTE	(SSEYKGPIT	DVFYKENSYTI	TIKPVTYKL	DGVVCT
QRA62205.1 QQY88323.1	ESPFVMMSAPPAQ ESPFVMMSAPPAQ	YELKHGTFTCA YELKHGTFTCA	SEYTGNYQCG SEYTGNYQCG	HYKHITSKET HYKHITSKET	LYCIDGALLTE LYCIDGALLTE	SSEYKGPIT SSEYKGPIT	DVFYKENSYTI DVFYKENSYTI	TIKPVTYKL TIKPVTYKL	DGVVCT DGVVCT
QUD46615.1 QUB20429.1	ESPFVMMSAPPAQ ESPFVMMSAPPAQ	YELKHGTFTCA	SEYTGNYQCG	HYKHITSKET	LYCIDGALLTE	SSEYKGPIT	DVFYKENSYTI	TIKPVTYKL	DGVVCT
QQV43579.1 consensus>70	ESPFVMMSAPPAQ ESPFVMMSAPPAQ								

QQX23166.1 QRW72599.1 QRW94969.1 QRS05353.1 QRG12920.1 QQX862205.1 QQY883223.1 QUD46615.1 QUB20429.1 QQV43579.1 consensus>70	EIDPKLDNYYKKD	NSYFTEQPIDI NSYFTEQPIDI NSYFTEQPIDI NSYFTEQPIDI NSYFTEQPIDI NSYFTEQPIDI NSYFTEQPIDI NSYFTEQPIDI NSYFTEQPIDI NSYFTEQPIDI	VPNQPYPNAS VPNQPYPNAS VPNQPYPNAS VPNQPYPNAS VPNQPYPNAS VPNQPYPNAS VPNQPYPNAS VPNQPYPNAS VPNQPYPNAS	F D N F K F V C D N F D N F K F V C D N F D N F K F V C D N F D N F K F V C D N F D N F K F V C D N F D N F K F V C D N F D N F K F V C D N F D N F K F V C D N F D N F K F V C D N F D N F K F V C D N	I KFADDLNQL I KFADDLNQL I KFADDLNQL I KFADDLNQL I KFADDLNQL I KFADDLNQL I KFADDLNQL I KFADDLNQL I KFADDLNQL	TGYKKPASRE TGYKKPASRE TGYKKPASRE TGYKKPASRE TGYKKPASRE TGYKKPASRE TGYKKPASRE TGYKKPASRE TGYKKPASRE	LKVTFFPDLNG LKVTFFPDLNG LKVTFFPDLNG LKVTFFPDLNG LKVTFFPDLNG LKVTFFPDLNG LKVTFFPDLNG LKVTFFPDLNG LKVTFFPDLNG	DVVAIDYKE DVVAIDYKE DVVAIDYKE DVVAIDYKE DVVAIDYKE DVVAIDYKE DVVAIDYKE DVVAIDYKE	YTPSFK YTPSFK YTPSFK YTPSFK YTPSFK YTPSFK YTPSFK YTPSFK YTPSFK
QQX23166.1 QRW72599.1 QRW94969.1 QTS05353.1 QR612920.1 QQR662205.1 QQY88323.1 QUB20429.1 QQV23579.1 consensus>70	1990 KGAKLLHKPIVWH	V N N A T N K A T Y K V N N A T N K A T Y K V N N A T N K A T Y K V N N A T N K A T Y K V N N A T N K A T Y K V N N A T N K A T Y K V N N A T N K A T Y K V N N A T N K A T Y K	PNTWCIRCLW PNTWCIRCLW PNTWCIRCLW PNTWCIRCLW PNTWCIRCLW PNTWCIRCLW PNTWCIRCLW PNTWCIRCLW PNTWCIRCLW	STKPVETSNSI STKPVETSNSI STKPVETSNSI STKPVETSNSI STKPVETSNSI STKPVETSNSI STKPVETSNSI STKPVETSNSI STKPVETSNSI STKPVETSNSI	FDVLKSEDAQ FDVLKSEDAQ FDVLKSEDAQ FDVLKSEDAQ FDVLKSEDAQ FDVLKSEDAQ FDVLKSEDAQ FDVLKSEDAQ FDVLKSEDAQ	GMDNLACEDL	K P V S E E V V E N F K P V S E E V V E N F K P V S E E V V E N F K P V S E E V V E N F K P V S E E V V E N F K P V S E E V V E N F K P V S E E V V E N F K P V S E E V V E N F	TIQKDVLECTIQKDVLECTIQKDVLECTIQKDVLECTIQKDVLECTIQKDVLECTIQKDVLECTIQKDVLECTIQKDVLECTIQKDVLECTIQKDVLECTIQKDVLECTIQKDVLECTIQKDVLECTIQKDVLECTIQKDVLECTIQKDVLEC	NVKTTE NVKTTE NVKTTE NVKTTE NVKTTE NVKTTE NVKTTE
QQX23166.1 QRW72599.1 QRW94969.1 QTS05353.1 QRG1220.1 QRA62205.1 QQY88323.1 QUD20429.1 QQV243579.1 CONSENSUS>70	2080 VVGDIILKPANNS	LKITEEVGHTD	LMAAYVDNSS LMAAYVDNSS LMAAYVDNSS LMAAYVDNSS LMAAYVDNSS LMAAYVDNSS LMAAYVDNSS LMAAYVDNSS LMAAYVDNSS	LTIKKPNELSI LTIKKPNELSI LTIKKPNELSI LTIKKPNELSI LTIKKPNELSI LTIKKPNELSI LTIKKPNELSI LTIKKPNELSI LTIKKPNELSI	RVLGLKTLAT RVLGLKTLAT RVLGLKTLAT RVLGLKTLAT RVLGLKTLAT RVLGLKTLAT RVLGLKTLAT RVLGLKTLAT RVLGLKTLAT	HGLAAVNSVP HGLAAVNSVP HGLAAVNSVP HGLAAVNSVP HGLAAVNSVP HGLAAVNSVP HGLAAVNSVP HGLAAVNSVP HGLAAVNSVP	WDTIANYAKPE WDTIANYAKPE WDTIANYAKPE WDTIANYAKPE WDTIANYAKPE WDTIANYAKPE WDTIANYAKPE WDTIANYAKPE WDTIANYAKPE	LNKVVSTTI LNKVVSTTI LNKVVSTTI LNKVVSTTI LNKVVSTTI LNKVVSTTI LNKVVSTTI LNKVVSTTI	NIVTRC NIVTRC NIVTRC NIVTRC NIVTRC NIVTRC NIVTRC
QQX23166.1 QRW72599.1 QRW94969.1 QRS05353.1 QRG12920.1 QRA62205.1 QQV883223.1 QUD46615.1 QUB20429.1 QCV43579.1 consensus>70	2170 LNRVCTNYMPYFF	TLLLQLCTFTR TLLLQLCTFTR TLLLQLCTFTR TLLLQLCTFTR TLLLQLCTFTR TLLLQLCTFTR TLLLQLCTFTR TLLLQLCTFTR TLLLQLCTFTR	STNSRIKASM STNSRIKASM STNSRIKASM STNSRIKASM STNSRIKASM STNSRIKASM STNSRIKASM STNSRIKASM STNSRIKASM	PTTIAKNTVK: PTTIAKNTVK: PTTIAKNTVK: PTTIAKNTVK: PTTIAKNTVK: PTTIAKNTVK: PTTIAKNTVK: PTTIAKNTVK: PTTIAKNTVK:	SVGKFCLEAS SVGKFCLEAS SVGKFCLEAS SVGKFCLEAS SVGKFCLEAS SVGKFCLEAS SVGKFCLEAS	FNYLKSPNFS FNYLKSPNFS FNYLKSPNFS FNYLKSPNFS FNYLKSPNFS FNYLKSPNFS FNYLKSPNFS FNYLKSPNFS	KLINIIIWFLI KLINIIIWFLI KLINIIIWFLI KLINIIIWFLI KLINIIIWFLI KLINIIIWFLI KLINIIIWFLI KLINIIIWFLI KLINIIIWFLI KLINIIIWFLI	LSVCLGSLI LSVCLGSLI LSVCLGSLI LSVCLGSLI LSVCLGSLI LSVCLGSLI LSVCLGSLI LSVCLGSLI	YSTAAL
QQX23166.1 QRW72599.1 QRW94969.1 QRS05353.1 QRG12920.1 QRA62205.1 QQD46615.1 QUD40615.1 QUB20429.1 QQV43579.1 consensus>70	2260 GVLMSNLGMPSYC	TGYREGYLNST TGYREGYLNST TGYREGYLNST TGYREGYLNST TGYREGYLNST TGYREGYLNST TGYREGYLNST TGYREGYLNST TGYREGYLNST	NVTIATYCTG NVTIATYCTG NVTIATYCTG NVTIATYCTG NVTIATYCTG NVTIATYCTG NVTIATYCTG NVTIATYCTG NVTIATYCTG	SIPCSVCLSGI SIPCSVCLSGI SIPCSVCLSGI SIPCSVCLSGI SIPCSVCLSGI SIPCSVCLSGI SIPCSVCLSGI SIPCSVCLSGI SIPCSVCLSGI	LDSLDTYPSL LDSLDTYPSL LDSLDTYPSL LDSLDTYPSL LDSLDTYPSL LDSLDTYPSL LDSLDTYPSL LDSLDTYPSL LDSLDTYPSL	ETIQITISSF ETIQITISSF ETIQITISSF ETIQITISSF ETIQITISSF ETIQITISSF ETIQITISSF ETIQITISSF ETIQITISSF	KWDLTAFGLVA KWDLTAFGLVA KWDLTAFGLVA KWDLTAFGLVA KWDLTAFGLVA KWDLTAFGLVA KWDLTAFGLVA KWDLTAFGLVA KWDLTAFGLVA KWDLTAFGLVA	EWFLAYILF EWFLAYILF EWFLAYILF EWFLAYILF EWFLAYILF EWFLAYILF EWFLAYILF EWFLAYILF	TRFFYV TRFFYV TRFFYV TRFFYV TRFFYV TRFFYV TRFFYV TRFFYV
QQX23166.1 QRW72599.1 QRW94969.1 QRS05353.1 QRS02920.1 QRA62205.1 QQV88323.1 QUD46615.1 QUB20429.1 QQV43579.1 consensus>70	2350 LGLANIMQLFFSY	FAVHFISNSWI FAVHFISNSWI FAVHFISNSWI FAVHFISNSWI FAVHFISNSWI FAVHFISNSWI FAVHFISNSWI FAVHFISNSWI FAVHFISNSWI	MWLIINLVQM MWLLINLVQM MWLIINLVQM MWLIINLVQM MWLIINLVQM MWLIINLVQM MWLIINLVQM MWLIINLVQM MWLIINLVQM	APISAMVRMY	IFFASFYYVW IFFASFYYVW IFFASFYYVW IFFASFYYVW IFFASFYYVW IFFASFYYVW IFFASFYYVW IFFASFYYVW	KSYVHVVDGC KSYVHVVDGC KSYVHVVDGC KSYVHVVDGC KSYVHVVDGC KSYVHVVDGC KSYVHVVDGC KSYVHVVDGC KSYVHVVDGC	NSSTCMMCYKF NSSTCMMCYKF NSSTCMMCYKF NSSTCMMCYKF NSSTCMMCYKF NSSTCMMCYKF NSSTCMMCYKF NSSTCMMCYKF	NRATRVECT INRATRVECT INRATRVECT INRATRVECT INRATRVECT INRATRVECT INRATRVECT INRATRVECT	TIVNGV TIVNGV TIVNGV TIVNGV TIVNGV TIVNGV TIVNGV TIVNGV
QQX23166.1 QRW72599.1 QRW94969.1 QTS05353.1 QRG12920.1 QRA62205.1 QQY88323.1 QUD20429.1 QQV243579.1 consensus>70	2440 RRSFYVYANGGKG RRSFYVYANGGKG RRSFYVYANGGKG RRSFYVYANGGKG RRSFYVYANGGKG RRSFYVYANGGKG RRSFYVYANGGKG RRSFYVYANGGKG RRSFYVYANGGKG RRSFYVYANGGKG RRSFYVYANGGKG	FCKLHNWNCVN FCKLHNWNCVN FCKLHNWNCVN FCKLHNWNCVN FCKLHNWNCVN FCKLHNWNCVN FCKLHNWNCVN FCKLHNWNCVN FCKLHNWNCVN	CDTFCAGSTF CDTFCAGSTF CDTFCAGSTF CDTFCAGSTF CDTFCAGSTF CDTFCAGSTF CDTFCAGSTF CDTFCAGSTF CDTFCAGSTF	ISDEVARDLS	LQFKRPINPT LQFKRPINPT LQFKRPINPT LQFKRPINPT LQFKRPINPT LQFKRPINPT LQFKRPINPT LQFKRPINPT LQFKRPINPT LQFKRPINPT	DQSSYIVDSV	TVKNGSIHLYF TVKNGSIHLYF TVKNGSIHLYF TVKNGSIHLYF TVKNGSIHLYF TVKNGSIHLYF TVKNGSIHLYF TVKNGSIHLYF TVKNGSIHLYF	DKAGQKTYE DKAGQKTYE DKAGQKTYE DKAGQKTYE DKAGQKTYE DKAGQKTYE DKAGQKTYE DKAGQKTYE DKAGQKTYE	RHSLSH RHSLSH RHSLSH RHSLSH RHSLSH RHSLSH RHSLSH RHSLSH RHSLSH

	2530	2540	2550	2560	2570	2580	2590	2600	2610
QQX23166.1 QRW72599.1 QRW94969.1 QTS05353.1 QRG12920.1	FVNLDNLRANNTK(FVNLDNLRANNTK(FVNLDNLRANNTK(FVNLDNLRANNTK(FVNLDNLRANNTK(GSLPINVIVFI GSLPINVIVFI GSLPINVIVFI GSLPINVIVFI	OGKSKCEESSA OGKSKCEESSA OGKSKCEESSA OGKSKCEESSA	KSASVYYSQL KSASVYYSQL KSASVYYSQL KSASVYYSQL	MCQPILLLDQ1 MCQPILLLDQ1 MCQPILLLDQ1 MCQPILLLDQ1	ALVSDVGDSA ALVSDVGDSA ALVSDVGDSA ALVSDVGDSA	EVAVKMFDAYV EVAVKMFDAYV EVAVKMFDAYV EVAVKMFDAYV	NTFSSTFNV NTFSSTFNV NTFSSTFNV NTFSSTFNV	PMEKLK PMEKLK PMEKLK PMEKLK
QRA62205.1 QQY88323.1 QUD46615.1 QUB20429.1 QQV43579.1 consensus>70	FVNLDNLRANNTK FVNLDNLRANNTK FVNLDNLRANNTK FVNLDNLRANNTK FVNLDNLRANNTK FVNLDNLRANNTK	GSLPINVIVFI GSLPINVIVFI GSLPINVIVFI GSLPINVIVFI	OGKSKCEESSA OGKSKCEESSA OGKSKCEESSA OGKSKCEESSA	KSASVYYSQL KSASVYYSQL KSASVYYSQL KSASVYYSQL	MCQPILLLDQ1 MCQPILLLDQ1 MCQPILLLDQ1 MCQPILLLDQ1	ALVSDVGDSA ALVSDVGDSA ALVSDVGDSA ALVSDVGDSA	EVAVKMFDAYV EVAVKMFDAYV EVAVKMFDAYV EVAVKMFDAYV	NTFSSTFNV NTFSSTFNV NTFSSTFNV NTFSSTFNV	PMEKLK PMEKLK PMEKLK PMEKLK
QQX23166.1 QRW72599.1	2620 TLVATAEAELAKN TLVATAEAELAKN								
QRW94969.1 QTS05353.1 QRG12920.1 QRA62205.1 QQY88323.1 QUD46615.1	TLVATAEAELAKN TLVATAEAELAKN TLVATAEAELAKN TLVATAEAELAKN TLVATAEAELAKN TLVATAEAELAKN	/SLDNVLSTF1 /SLDNVLSTF1 /SLDNVLSTF1 /SLDNVLSTF1	ISAARQGFVDS ISAARQGFVDS ISAARQGFVDS ISAARQGFVDS	DVETKDVVEC DVETKDVVEC DVETKDVVEC DVETKDVVEC	LKLSHQSDIET LKLSHQSDIET LKLSHQSDIET LKLSHQSDIET	/TGDSCNNYM /TGDSCNNYM /TGDSCNNYM /TGDSCNNYM	LTYNKVENMTP LTYNKVENMTP LTYNKVENMTP LTYNKVENMTP	RDLGACIDC RDLGACIDC RDLGACIDC RDLGACIDC	SARHIN SARHIN SARHIN SARHIN
QUB20429.1 QQV43579.1 consensus>70	TLVATAEAELAKN TLVATAEAELAKN TLVATAEAELAKN	SLDNVLSTF:	SAARQGFVDS SAARQGFVDS	DVETKDVVEC DVETKDVVEC	LKLSHQSDIEV LKLSHQSDIEV	TGDSCNNYM TGDSCNNYM	LTYNKVENMTP LTYNKVENMTP	RDLGACIDC RDLGACIDC	SARHIN SARHIN
QQX23166.1 QRW72599.1 QRW94969.1	2710 AQVAKSHNIALIWI AQVAKSHNIALIWI AQVAKSHNIALIWI	VKDFMSLSE	LRKQIRSAAK	KNNLPFKLTC	ATTRQVVNVV:	TKIALKGGK	IVNNWLKQLIK	VTLVFLFVA	AIFYLI
QTS05353.1 QRG12920.1 QRA62205.1 QQY88323.1 QUD46615.1 QUB20429.1	AQVAKSHNIALIWI AQVAKSHNIALIWI AQVAKSHNIALIWI AQVAKSHNIALIWI AQVAKSHNIALIWI AQVAKSHNIALIWI	NVKDFMSLSE(NVKDFMSLSE(NVKDFMSLSE(NVKDFMSLSE(OLRKQIRSAAK OLRKQIRSAAK OLRKQIRSAAK OLRKQIRSAAK	KNNLPFKLTC KNNLPFKLTC KNNLPFKLTC KNNLPFKLTC	ATTRQVVNVV: ATTRQVVNVV: ATTRQVVNVV: ATTRQVVNVV:	TTKIALKGGK TTKIALKGGK TTKIALKGGK TTKIALKGGK	I ANNMT K ÖT I K I ANNMT K ÖT I K I ANNMT K ÖT I K	(VTLVFLFVA (VTLVFLFVA (VTLVFLFVA	AIFYLI AIFYLI AIFYLI AIFYLI
QQV43579.1 consensus>70	AQVAKSHNIALIWI AQVAKSHNIALIWI	NVKDFMSLSE(LRKQIRSAAK	KNNLPFKLTC.	ATTRQVVNVV:	TKIALKGGK	IVNNWLKQLIK	VTLVFLFVA	AIFYLI
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QRG12920.1 QRA62205.1 QQY88323.1 QUD46615.1 QUB20429.1 QQV43579.1	TPVHVMSKHTDFSS TPVHVMSKHTDFSS TPVHVMSKHTDFSS TPVHVMSKHTDFSS TPVHVMSKHTDFSS TPVHVMSKHTDFSS	SEIIGYKAID SEIIGYKAID SEIIGYKAID SEIIGYKAID	GGVTRDIASTD GGVTRDIASTD GGVTRDIASTD GGVTRDIASTD	TCFANKHADF TCFANKHADF TCFANKHADF TCFANKHADF	DTWFSQRGGS! DTWFSQRGGS! DTWFSQRGGS! DTWFSQRGGS!	TNDKACPLI. TNDKACPLI. TNDKACPLI. TNDKACPLI.	AAVITREVGFV AAVITREVGFV AAVITREVGFV AAVITREVGFV	VVPGLPGTIL VVPGLPGTIL VXXXXXXXXX VVPGLPGTIL	RTTNGD RTTNGD XTTNGD RTTNGD
consensus>70	tpvhvmskhtdfss	seiigykaido 2900							rttngd 2970
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consensus>/U	flhflpRVFSAVG1	2990	3000	3010	ASGKPVPYCYI 3020	3030	YESLRPDTRYV 3040	7LMDGS11QF 3050	3060 3060
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