

97A1_BACTH	21	QQLTSPDGNLMTTFQVD	<66>	FDETHQPVWG-EKEIRRNHYNELAVTLQ	< 5>	SIVTFRFLFNDGLGFRYEFEPQKSLN	<120>	NTPWRTIIVSDDAARNILA-SRITLNLNEPKIADAA	---SWV
97A1_SALRU	24	PMTTISPDPGALTIGVELQ	<44>	VDTSWTPVWG-TQDSVRNHFSERTIRLRE	< 6>	RLTLVLRAYNDGVAFRYRMPEDPTLD	<133>	QTPWRVITQVADRGGGLIE-SHILQNLNEPSKIEDP	----SWI
97A1_ERYLI	18	AAEVSSPDGRTITVEVDV	<45>	SESTWEQPVWG-ERRFVRDRHNELFVTLQE	< 7>	VLSVRMRVFDGGLGFRYEFAPAEPEG	<101>	ITPWRTITRISDDAAGLVE-SDLLENLNEPNKLEDV	----SWF
97A1_UNBAC	25	AEETISPNGKQLNFVSVN	<45>	FDETWEPVWG-EVKQIRNHYNELAVTLQ	< 5>	NIIITFRFLFDGGLGFRYEFPLQKNL	<120>	KSPWRTIIVSDDAARDILA-SKITLNLNEPCAYEDV	----SWI
97A1_TANFO	25	AEELKSPDGNLMLRFEVN	<44>	FDETHTPVWG-EVKATIRNHYNEMTATLHQ	< 5>	TMVITFRFLYDGGGLGFRYEFEPQKSLN	<120>	HTPWRTIIVSDDAARDILA-SKITLNLNEPKLEDV	----SWI
97A2_BACTH	25	AESTISPDPGKLLDFSVN	<45>	FDETWEPVWG-EVKSIRNHYNEMAVTLNQ	< 5>	NMIFRFRLYDNGGLGFRYEFEPQKSLN	<120>	QSPWRTIIVSDDAARDILA-SKITLNLNEPCAYODV	----SWI
97A1_BACFR	25	AESTISPNGKLLNFVSVN	<45>	FDETWEPVWG-EVKQIRNHYNELAVTLQ	< 5>	KMVFTRFRLYDNGGLGFRYEFEPQKSLN	<120>	HSPWRTIIVSDDAARDILA-SKITLNLNEPKLEDT	----SWI
97A1_PREIN	29	WETTASPNKGKVVVGFGD	<53>	FDETWKPVWG-ETSEIRNHYNELAVTLHQ	< 5>	KIMVFRFRYDGGVGFRYEFEPQKSLN	<121>	ETPWRTIIVSDDAARDMLS-SKITLNLNEPKLEDT	----SWI
97A1_PRERU	16	AGNVASPNKGLIKFVSVD	<44>	FDETHQPVWG-ETKNIIRNHYNELAVTLQ	< 5>	QMLVFRFRYDGGVGFRYEFEPQKSLN	<150>	NTPWRTIIVSDDAARDMLS-NMLNLNLNEPKLEDT	----SWI
97A1_AZOVI	25	QQQLSPDPGRIRIVVNNQ	<44>	VRKQWQPVWG-ERATVSDHEHNLHLYLAE	< 6>	KFEVVFRAFDDGVGFRYVITPEQGLD	<104>	ETPWRTIQTADSAADLLN-SOLVNLNLNEPNKLEDVS	----SYV
97A3_BACTH	22	KTEVSPDPGHIKMTITVD	<45>	EDETHTPQWG-ENKKNRNHYNEMAVSLTN	< 4>	QLTLFRFRYDGGGLGFRYEFYTV-PTVD	<100>	TTPWRTIQTADPAVGLIN-SSLILNLNLNDPCVLETT	----DWI
97A2_BACFR	57	KTELASPDGHKIKVAFTAD	<45>	KDEIHTQPVWG-ENKTNRNHYNEMAVSLFN	< 4>	ELTLFRRAFDDGVAFRYEYEV-PGVD	<100>	TTAWRTIQTADPAVGLIN-SSLILNLNLNEPKLDDT	----DWI
97A1_MICDE	25	TVSVASPNQGIVVNVDDD	<44>	SDSTWEQPVWG-ERQLVDRNHTTELOVDFSH	< 6>	RFTVFRFRYDGGVGFRYEVPLQKGLK	<104>	NSPWRTIQTADSNVAGLLN-SDLILNLNLNEPNKLEDV	----SWV
97A1_SHEON	43	TVTLTSSPNQHILQISLSD	<44>	TDDKMQQPVWG-EQEWIKDQHNQLSVLTLD	< 3>	DLNLEFNAFDDGGLGFRYHLAEQAALP	<106>	YTPWRTIQTADKATGLLN-SHLILNLNLNEPNKLEDV	----SWI
97A1_XANAX	38	TVSVSPNKMVLQVSLDVD	<43>	HDDTWEQPVWG-ETRLVRNHYNELRVSLGE	< 6>	TFDVLFRFRYDGGGLGFRYHFPKQAGIR	<101>	DTPWRTIQTADQATGLVE-SNLILNLNLNEPNQLEDV	----SWI
97A1_XANCA	37	ATDVASPGKILQVTFEVD	<43>	HDDTWEQPVWG-ETRLVRNHYNELRVSLGE	< 6>	RFDVLFRFRYDGGGLGFRYHFPQAALR	<101>	DTPWRTIQTADQATGLVE-SNLILNLNLNEPNALQEDV	----SWV
97A1_NOVAR	26	TVTATSPDGSILVSVTTD	<43>	GKETWEQPVWG-ERRRYVDNHNELLVYKFEQ	< 7>	RMNVFRFLFDGGLGFRYEFEPQKSLN	<101>	NTPWRTIQTADNAKQIVE-NDLLENLNLNEPNRIQEDV	----SWF
97A1_HALMA	110	VQSVASPDGATEVITVDVS	<51>	KTETWEPEWG-DFETVSEDYNFLRLGLEE	< 6>	SANLEVRMFNDGLGFRVAF-DSDFG	<126>	VTPWRTIQLGTS-SOLVE-SOLVPLIADP-14>DT	----SWL
97E1_BACTH	25	RRELISPDPGAYRTTFYQR	<62>	NDATKMPVYG-ERAEVRDGYNEMTLFRFR	<17>	FMNITIRAYNEGVAIFYRHFPTETNGL	< 95>	STPWRTIQAARFVOLIHNHDLALNLNTPORTSDI	----SWI
97E1_RHOBA	57	ETTTISPSCDOSITRFLSH	<43>	VNGSWVPVWG-ERASYPDSYNACVQLRG	< 6>	RLELAFRAYDGVAFRYITPPQEGVD	< 93>	ITPWRTIQAARFVOLIHNHDLALNLNTPORTSDI	----SWI
97B3_BACTH	21	NIELKSPDGNITKIALNIS	<42>	VKEMLNPVPLK-FSTIENYVQSLLIDFKG	< 0>	GYSLEFRAFNDGIAIFYRIMKKRGNIE	<119>	GFPWR-FVIAKEDQKQVE-NTMSCRLSGGSLET	----SWI
97B2_BACFR	21	IHKLASPDGNITQISVNL	<42>	IDESLKPVIPLK-FSSVSRYNQQLIDFKG	< 0>	GYSLEFRAFNDGIAIFYRITNKKGMIN	<119>	NFPWR-FVISTEDSQIE-NTMSYRLAEKNILEDT	----SWI
97B2_BACTH	22	NVELSSPNGEIKQISVRLT	<42>	IKETLTPVPLK-FSTIENYVQSLLIDFKG	< 0>	NYSVEFRAFNDGIAIFYRITNKKGMIN	<119>	NFPWR-FVITKEDQKQVE-NTMTYKLADKNQLEDV	----SWI
97B1_BACFR	23	VIDVSPNGAIKYSVDIK	<42>	IDESVKREIPFK-NAIVRNHCHTLRNFSG	< 0>	NYAYEFRAFNDGIAIFYRITNKKGMIN	<119>	SFPWR-FVISTEDSQIE-NTMSYRLAEKNILEDT	----SWI
97B2_PRERU	38	QEKLASPNKGLIVANINIG	<42>	IDETIRPVPLK-QTVVPNKANALITLNFSG	< 0>	-YCVFBRAYDNGVAYRFTINKKQTV	<119>	SLPWR-AVIG-NDATIAA-NOMELVLGGKQLEDV	----SWI
97B1_PRERU	22	NHIVTSPNGKIVATVDDG	<32>	INETIQAPFYRQKEIRIAGNDVVKLNDG	< 0>	-FSLQIRAYDEGVAYRFTTNNKQTV	<120>	TYPWR-MAITE-KTEMPV-NNLVYALATPNOLEDT	----SWI
97B1_MICDE	48	TFELTSPNEOLKKEVHTG	<43>	VSNITLTPAVSHKSSKIAENYNALNFAFND	< 0>	NFGDIFRAYDNGVAYRFTGERAGETI	<119>	TFPWR-VAITKEDDLVA-SOLVYLLSSENKLEDT	----SWI
97B4_BACTH	24	KYETVSPNGKILKLIKID	<42>	NOITIDVLVG-KNKELODAYNELITVFNMD	< 0>	SCDLVFRAYDNGVAYRFTVRLNGEIT	<144>	SFPWR-IIVSEDDKSLLN-NELVYKLADPRLITDT	----SWI
97B1_BACTH	21	QFTLSPDGNLKTITITIG	<43>	VDE-MIPSPFYF-ASELRNHYNELITLRFKK	< 0>	DWNVFRAYDNGIAIFYRINQGGKPFER	<130>	NFPWR-IAVITITDKOLAA-TNLSYLLGAPSRMSDL	----SWI
97D1_CAUCR	40	DHVIATSPDGRITRISLSDQ	<44>	VDETYELVVG-KTRTVDRRNYNETITVEFL	< 6>	RLTILARAYDDGVAFRYLIPDQADLA	<111>	VSSWR-VYVGEIT-GLDVA-SNLTSLNPPPTALITDT	----RWI
97D1_XANCA	26	PLRVQSPARTARTQVEFTLS	<45>	HDSRVTLTVG-KTRQARDHYRQLRVQLVD	< 4>	RLETILRAYDDGVAFRYLIPKAGKLE	<110>	ATPWR-VIYLGDT-ASLID-SNLTITLNLPP-PAFDA	----SWV
97D1_XANAX	26	SLRVQSPDARTQVEFTLR	<45>	HDSRVTLTVG-KTRQARDHYRQLRVQLVD	< 4>	KLSELARAYDDGVAFRYLIPDAGQVR	<110>	ATPWR-VIYLGDT-ASLID-SNLTITLNLPP-PAFDA	----SWV
97C1_MICDE	34	QWQVSPNGKILKTRVRGN	<60>	GKQTSYMTVG-KRKENEVAYORSNLFKH	< 5>	ILRVDFRALDITGAFFRYLIPNNGVLH	<116>	KMPWR-SAYSNDTGDIIVE-SNLVYDLAEPKIDDV	----KWI
97C2_MICDE	38	RQITISPDKSLKVRLSLD	<44>	VNDSYTLHLG-KQDITTYNANEKIVSLKN	< 4>	KLITAFRVSNDGVAFRYRFPNTAKOL	<123>	HSPWR-VIYVGG-LDITIA-STLGTDLADP-ATAKM	----DFV
97C1_BACTH	20	DVVVKGPDKILQLAVFVQ	<44>	IDTVYQQTRI-KVSNVHYRANELTCHLEN	< 4>	KLGVIFRVSNDGVAFRYLIPKGGKA	<121>	ATPWR-VIYVGG-LDITIA-STLGTDLADP-ATAKM	----DFV
97C2_BACTH	28	DGVHSPNGKILKLSVEIK	<55>	IEDTVYVMTVG-KRSHQNRHNGERFRFEN	< 4>	TLDFVFRAYDDGVAFRYLIPSPVQDKD	< 98>	TSFWR-VIYVGG-LSDIVE-STLGTDLADP-ATAKM	----SWI
97C1_PRERU	20	QPVSPNGKILKTVTSNGQ	<34>	VTANYQMLAG-KKSTCTNEANEVYAKLSQ	< 0>	NLQLVLRVNDGVAFRYLIPSGLKGKL	<108>	HSPWR-VIYVGG-LSDIVE-STLGTDLADP-ATAKM	----SWI
97C2_PRERU	11	DVRSVSPNGSLVTVSDSA	<43>	VANYSVMRGTR-KASKVDYKANALITLNGQ	< 4>	KFSLVQVSDNGIAIFYRITNKKQTV	<124>	ETPWR-VIYVGG-LSDIVE-STLGTDLADP-ATAKM	----SWI
97C3_PRERU	20	EVKVSPSGNLEVTNDE	<43>	VAKQVDIRTV-KASHIDYKANALITLNGQ	< 4>	QMTVIFRVAADNVAFKYGIAKAPRGM	<121>	ETPWR-VIYVGG-LSDIVE-STLGTDLADP-ATAKM	----SWI
97C1_LEIXY	>13	GSIVVSPDGRITQATISND	<43>	TVQEVATVAR-VNAVVCSTAEITLQYAK	< 3>	RLTVVFRVSDDGVAFRYLIPKAGKLE	<111>	QTPWR-VIYVGG-LSDIVE-STLGTDLADP-ATAKM	----SWI

Subfamily 97a

Subfamily 97e

Subfamily 97b

Subfamily 97d

Subfamily 97c

97A1_BACTH	KPV-KYIGVWWM	DMITG	<29>	SANTANVKRYIDFAAAHGFD	-----AVLVE-GW	<24>	DVKEITHRYAAR-KGKIMMMHH	<15>	AYQFMADNG-YNSVKSGYVG	< 8>	HYGQWMMNYYLYAVKKAADYKIMVNAHEATRPTGICRTYPNLI	IGNESARGTEYESFG	<2>
97A1_SALRU	EPM-TYVGIGW	GMHIN	<10>	GATTERTKRYMDFAAAHID	-----GVLVE-GW	<21>	DLQEVVAYGRE-KGVALVGH	<15>	AFALYDSVG-VPVAKTGVAG	< 8>	HDGQWMMNYYRRVVKAAAEHIVLDVHEPVMGTGERTWPNM	MTREGVGRMEYNAWA	<3>
97A1_ERYLI	IPN-KYIGIGW	GMISN	<10>	GATTERAKRYIDFAAAHGFR	-----GVLIE-GW	<23>	NFKEVTDYARE-KGVHIVGH	<15>	AMKLYGESG-VPVAKTGVAG	<26>	HDGQWMMNYYRRVVKAAAEHIVLDVHEPVMGTGERTWPNM	MTREGVGRMEYNAWA	<3>
97A1_UNBAC	KPV-KYIGVWWM	EMTAG	<29>	GANNENVKRYIDFAAAHGFD	-----QVLVE-GW	<24>	NVKMLNENYAKS-KGVKLMMH	<15>	AYQFMADNG-YNAVKSQYVG	< 8>	HYGQWMMNYYLYAVKKAADYKIMVNAHEATRPTGICRTYPNLI	IGNESARGTEYESFG	<2>
97A1_TANFO	KPV-KYIGVWWM	EMISG	<29>	AANNEKVRRYIDFAAAHGFD	-----QVLVE-GW	<24>	DLKALNENYAKS-KGVKLMMH	<15>	AYKLMMDYG-YNAVKSQYVG	< 8>	HYGQWMMNYYLYAVKKAADYKIMVNAHEATRPTGICRTYPNLI	IGNESARGTEYESFG	<2>
97A2_BACTH	KPV-KYIGVWWM	EMITG	<29>	AANNKVRRYIDFAAAHGFD	-----QVLVE-GW	<24>	DVKMLNAYAKE-KGVKLMMH	<15>	AYQFMVDNG-YNAVKSQYVG	< 8>	HYGQWMMNYYLYAVTKAADYKIMVNAHEATRPTGICRTYPNLI	IGNESARGTEYESFG	<2>
97A1_BACFR	KPV-KYIGVWWM	EMITG	<29>	GANNENVKRYIDFAAAHGFD	-----QVLVE-GW	<24>	DVKMLNAYAKE-KGVKLMMH	<15>	AYQFMEDNG-YNAVKSQYVG	< 8>	HYGQWMMNYYLYAVKKAADYKIMVNAHEATRPTGICRTYPNLI	IGNESARGTEYESFG	<2>
97A1_PREIN	HPT-KYIGVWWM	EMIVG	<29>	GATTENVKKRYIDFAAENGID	-----QVLVE-GW	<24>	DIDVLYNKYAE-KGVKLMMH	<15>	AFNLMNKYG-YDAVKTGVAG	< 8>	HFSQSMNNYYMHVVIKAAKHRIMVNAHEATRPTGICRTYPNLI	IGNESARGTEYESFG	<2>
97A1_PRERU	HPT-KYIGVWWM	EMIVG	<29>	GANNENVKRYIDFAAENGID	-----QVLVE-GW	<24>	DIDVLYNKYAE-KGVKLMMH	<15>	AFNLMNKYG-YDAVKTGVAG	< 8>	HFSQSMNNYYMHVVIKAAKHRIMVNAHEATRPTGICRTYPNLI	IGNESARGTEYESFG	<2>
97A1_AZOVI	KPG-KYMGVWWM	EMHIG	<10>	GATTERRVRYIDFAAHHID	-----GVLFE-GW	<23>	DIDAATEYAKS-KGLRLTGH	<15>	AFAYYKKQG-YSQVKMGYVG	< 8>	HGQCFMVRIFQKVVETAARYKIMVNAHEATRPTGICRTYPNLI	MTREGVGRMEYNGGS	<5>
97A3_BACTH	RPL-KYIGVWWM	GMHLG	<10>	GATTANAKRYIDFAAANHIE	-----AVLFE-GW	<21>	DIDEITVRYAKE-KGVEIMGH	<15>	AMQWYTDHG-IHLKLTGVAG	< 7>	HHSQYGVNYYQYRVVETAAHQMTLDAHEPIKDTGIRTWPNM	MTREGVGRMEYNAWA	<3>
97A2_BACFR	KPM-KYIGVWWM	GMHLG	<10>	GATTANAKRYIDFAAANHIE	-----AVLFE-GW	<21>	DIDEITVRYAKE-KGVEIMGH	<15>	AIKWYTDKG-IHLKLTGVAG	< 7>	HHSQYGVNYYQYRVVETAAHQMTLDAHEPIKDTGIRTWPNM	MTREGVGRMEYNAWA	<3>
97A1_MICDE	EPA-KYIGVWWM	GMHIN	<10>	GATTANTKRYMDFAAKYGF	-----GVLVE-GW	<23>	DIDVLYNKYAE-KGVEIMGH	<15>	AFDLYQKHN-YDAVKTGVAG	<18>	HDGQCFMVRIFQKVVETAARYKIMVNAHEATRPTGICRTYPNLI	MTREGVGRMEYNAWA	<3>
97A1_SHEON	KPG-KYIGVWWM	GMHLN	<10>	GATTSETTKRYMDFAAHHGFR	-----GVLVE-GW	<23>	DIDVLYNKYAE-KGVEIMGH	<15>	AFILYEKHG-VTQVKTGVAG	<18>	HDGQCFMVEYLYNVNTEAAKHISINTHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97A1_XANAX	KPS-KYIGVWWM	SMHLN	<10>	GATTATTIKRYIDFAAHHGFR	-----GVLVE-GW	<23>	DIDVLYNKYAE-KGVEIMGH	<15>	AMDLYARFG-VDSVKTGVAG	<19>	HDGQWMMNYYRRVVKAAAEHIVLDVHEPVMGTGERTWPNM	MTREGVGRMEYNAWA	<3>
97A1_XANCA	KPS-KYIGVWWM	SMHLN	<10>	AATTATTIKRYIDFAAAHGFR	-----GVLVE-GW	<23>	DIDVLYNKYAE-KGVEIMGH	<15>	AMDLYARFG-VDSVKTGVAG	<19>	HDGQWMMNYYRRVVKAAAEHIVLDVHEPVMGTGERTWPNM	MTREGVGRMEYNAWA	<3>
97A1_NOVAR	KPM-KYIGVWWM	MIARG	<10>	GATTARTIKRYIDFAAHHGFR	-----GVLVE-GW	<23>	DIDVLYNKYAE-KGVEIMGH	<15>	AMKLYDKLG-VRAVKTGVAG	<18>	HDGQCFMVEYLYNVNTEAAKHISINTHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97A1_HALMA	ENGRKYGITG	WMTIRG	<24>	GARTTERKRYMDFAAHHGFR	-----SVLAE-GW	<26>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97E1_BACTH	KPG-KVFRSG	-----	< 0>	DLKQEKVKAADIDFAAERGID	-----YVHMDAGW	<19>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97E1_RHOBA	KPG-KVFRSG	-----	< 0>	DLKQEKVKAADIDFAAERGID	-----YVHMDAGW	<19>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97B3_BACTH	KPG-QAS	EWNDAAAP	< 9>	GYNLETYKYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97B2_BACFR	KPG-LAS	EWNGATP	< 9>	GYNLETYKYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97B2_BACTH	KPG-QVS	EWNGATP	< 9>	GYNLETYKYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97B1_BACFR	KPG-QVS	EWNHADARL	< 7>	GYNDSYKYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97B2_PRERU	KPG-QVN	DWNNHWT	< 7>	GYNLETYKYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97B1_PRERU	RPG-KVA	DWNNHWT	< 7>	GYNLETYKYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97B1_MICDE	KPG-RIA	DWNNHWT	< 7>	GYNLETYKYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97B4_BACTH	KPG-KVA	EWNHKAVAL	<10>	QLSPLYKYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97B1_BACTH	KPG-KVA	DWNNHWT	< 7>	GYNLETYKYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97D1_CAUCR	KPG-KAA	DWNNHWT	< 7>	GYNLETYKYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97D1_XANCA	RPG-KSA	DWNNHWT	< 7>	GYNLETYKYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97D1_XANAX	RSG-KSA	DWNNHWT	< 6>	GYNLETYKYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97C1_MICDE	KPG-AAS	SWNSDHTS	< 0>	STDIKSLKRYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97C2_MICDE	KPG-TAS	SWNSDHTS	< 0>	STDIKSLKRYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97C1_BACTH	RPG-RGS	SWNSDHTS	< 0>	STDIKSLKRYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97C2_BACTH	KPG-SAS	SWNSDHTS	< 0>	STDIKSLKRYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97C1_PRERU	KPG-VVS	YVYAHNGH	< 0>	SNYDNIKKRYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97C2_PRERU	KPG-RYT	SWNSDHTS	< 0>	SNYDNIKKRYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97C3_PRERU	KPG-RYT	SWNSDHTS	< 0>	SNYDNIKKRYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
97C1_LEIXY	RPG-TAL	PVYAHNGH	< 0>	SNYDNIKKRYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
GH27_ORYSA	65 MG	NSWNYFEC	< 0>	GYNLETYKYIIDFASKYGR	-----YIIMDEGWA	<13>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
GH36_LACPL	343 WEATFE	-----	< 0>	DLKQEKVKAADIDFAAERGID	-----YVHMDAGW	<19>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>
GH31_ECOLI	271 WLT	TSFTT	< 0>	DYDADATQSIIDFAAERGID	-----YVHMDAGW	<19>	DIDVLYNKYAE-KGVEIMGH	<15>	IFSGYENEG-IRSIKNGYVN	<17>	QHCQRQSVNHLHVRVLEAAASNRQMLEHEPIKDTGIRTYPNLI	MTREGVGRMEYNAWA	<4>