

Reference sequence (1): sp|Q8JUX5.3|POLs  
Identities normalised by aligned length.  
Colored by: identity

			cov	pid	1	80
1	sp	Q8JUX5.3	POLs	100.0%	100.0%	RTAKAAT-YQEAAYVLWNEQQPLFWLQALIPLAALIVLNCCLRLPPCCCKTLA-----FLAVMSIGAHTVSAYEHVTVI
2	sp	Q5WQY5.1	POLs	100.0%	96.8%	RTAKAAT-YQEAAYVLWNEQQPLFWLQALIPLAALIVLNCCLRLPPCCCKTLT-----FLAVMSVGAHTVSAYEHVTVI
3	sp	Q5XXP3.1	POLs	100.0%	96.4%	RTTKAAT-YYEAAAYVLWNEQQPLFWLQALIPLAALIVLNCCLKLLPCCCKTLA-----FLAVMSIGAHTVSAYEHVTVI
4	sp	P22056.1	POLs	100.0%	87.3%	RTAKAAS-YYEAAATYLWNEQQPLFWLQLLIPLSAATVVCNCKLLPCCCKTLT-----FLAVMSIGARTVTAYEHATVI
5	sp	090371.1	POLs	100.0%	88.1%	KTAKAAS-YYEAAATYLWNEQQPLFWLQLLIPLSAATVVCNCKLLPCCCKTLT-----FLAVMSIGARTVSAYEHATVI
6	sp	090369.1	POLs	100.0%	87.9%	KTAKAAS-YYEAAATYLWNEQQPLFWLQLLIPLSAATVACNCKLLPCCCKTLT-----FLAVMSIGARTVSAYEHATVI
7	sp	Q86925.2	POLs	98.4%	44.6%	QRTSADE-FTDTMGYLWQHSQTMFWIQLVIPLAAVITLVR---CCSCCLP-----FLLVASP-PNKADAYEHTITV
8	sp	P89946.2	POLs	99.4%	50.7%	KSARADT-LDD-FSYLWTNNQAMFWLQLASPVAAFCLLSYCGRLACCMKI-----FLGISGLCVIATQAYEHSITM
9	sp	P08768.1	POLs	99.0%	47.7%	KPTRADD-TLQVLNLYWNNNQNFWMQTLIPLAALIVCMRMLAALFCCGPA-----FLLVCGAW---AAAYEHTAVM
10	sp	Q4QXJ7.1	POLs	99.2%	49.9%	KPTRADD-TLQVLNLYWNNNQNFWMQTLIPLAALIVCMRMLRCLFCCGPA-----FLLVCGALG---AAAYEHTAVM
11	sp	Q306W5.1	POLs	99.2%	48.9%	KPTRADD-TLQVLNLYWNNNQNFWMQTLIPLAALIVCMRMLRCLLCCGPA-----FLLVCGALG---AAAYEHTAVM
12	sp	Q306W7.1	POLs	99.2%	49.5%	KPTRADD-TLQVLNLYWNNNQNFWMQTLIPLAALIVCMRMLRCLLCCGPA-----FLLVCGALG---AAAYEHAAM
13	sp	P27284.1	POLs	99.0%	48.1%	KPTRADD-TLQVLNLYWNNNQNFWMQTLIPLAALIVCMRIVRCLFCCGPA-----FLLVCGAW---AAAYEHTAVM
14	sp	Q5Y388.1	POLs	99.8%	59.5%	PRAHAAS-FAESMAYLWDENQTLFWLELATPLAAITILVCCLKNLLCCCKPLS-----FLVLVSLGTPVVKSYEHTATI
15	sp	Q8QZ72.1	POLs	99.2%	58.1%	PKAHAAS-FAEGMAYLWNNQSMFWELTGPLALLILATCCARSLLSCCKG-S-----FLVAMSIGSAVASAYEHTATI
16	sp	Q80527.1	POLs	100.0%	57.4%	PRAKAAT-FAETAAAYLWAEHQTVFWMQFAIPVACFMIVTYCLRHLMLCCRTAS-----FLVAVSLGMGATQAYEHSVTL
17	sp	P27285.1	POLs	98.8%	45.7%	RSANAET-FTETMSYFWSNSQPFWMQLCIPLAAVIVLMR---CCSCCLP-----FLVVAGAYLAKVDAYEHATTV
18	sp	P03316.1	POLs	98.8%	45.7%	RSANAET-FTETMSYFWSNSQPFWMQLCIPLAAVIVLMR---CCSCCLP-----FLVVAGAYLAKVDAYEHATTV
19	sp	P13890.1	POLs	99.6%	57.3%	PRANAAS-FAETMAYLWDENKTLFWMEXXXXXALALLACCICKSLICCCKPFS-----FLVLLSLG-ASAKAYEHTATI
20	sp	P08491.3	POLs	99.6%	58.3%	PRANAAS-FAETMAYLWDENKTLFWMEFAAPAAALALLACCICKSLICCCKPFS-----FLVLLSLG-ASAKAYEHTATI
21	sp	Q9JGK8.1	POLs	99.8%	58.7%	PRAHAAS-FAESMAYLWDENQTLFWLELATPLAAITILVCCLKNLLCCCKPLS-----FLVLVSLGTPVVKSYEHTATI
22	sp	Q8JJX0.1	POLs	99.8%	33.6%	PGARADQPYLDIIAYLWTSKVAFLQFAAPVACVLIITYALRHCRLLCKSFLGVRGWSALLVILAYVQSCKSYEHTVV
23	sp	P03315.1	POLs	99.6%	59.3%	PRAHAAS-VAETMAYLWQDQNALFWLEFAAPVACILIITYCLRNVLLCCCKSLS-----FLVLLSLG-ATARAYEHSTM
24	sp	Q8QL52.1	POLs	100.0%	33.8%	PGARADQPYLDIIAYLWTSKVAFLQCAAPVACMLIVTYALRHCRLLCKNSFLGVRGWSALLVILAYVQSCKAYEHTVV
25	sp	P36329.1	POLs	99.0%	49.8%	RTARAET-TWESLDHLWNNNQMFWMQLLIPLAALIVVTRLLRCVCCVVP-----FLVVAGAAG--AGAYEHATTM
26	sp	P36330.1	POLs	99.0%	48.8%	RSARAET-TWESLDHLWNNNQMFWMQLLIPLAALIVVTRLLRCMCCVVP-----FLVVAGAAG--AGAYEHATTM
27	sp	P36331.1	POLs	99.0%	50.0%	RTARAET-TWESLDHLWNNNQMFWSQLLIPLAALIVATRLKCVCCVVP-----FLVVAGAVG--AGAYEHATTM
28	sp	P36332.1	POLs	99.0%	49.4%	RTARAET-TWESLDHLWNNNQMFWMQLLIPLAALIVVTRLLRCVCCVVP-----FLVVAGAAG--AGAYEHATTM
29	sp	P05674.1	POLs	98.8%	49.2%	RTARAET-TWESLDHLWNNNQMFWMQLLIPLAALIVVTRLLRCVCCVVP-----FLVMAGAA--APAYEHATTM
30	sp	P09592.2	POLs	98.8%	49.2%	RTARAET-TWESLDHLWNNNQMFWMQLLIPLAALIVVTRLLRCVCCVVP-----FLVMAGAA--AGAYEHATTM
31	sp	P13897.1	POLs	98.8%	42.8%	RPTNAET-FGETLNHLWFNNQPLFWLQALCIPLAALVILFR---CFSCCMP-----FLLVAGVCLGKVDAFEHATTV
		consensus/100%				..spAtp.h.p.hsahw.ppp.hhh.p.....hhhhh.....h.sh.....h.hh.....s.uaEHshhh
		consensus/90%				..spAtp.hhpshsaLwsppp.hfWhphhhPlushllhh.....h.ssh.....FLhhhuhh...stAYEHsssh
		consensus/80%				.ts+Ats.hh-shsaLwspsQshfWhqhhhhPLAAhllhhphl+th.CCs.....FLh1huhh...stAYEHsssh
		consensus/70%				psA+Aso.hhEshsYLwspsQshfWhqhhIPLAAltl1sphL+s1.CCs.....FLl1huhhh..ssAYEHsssh
		cov	pid	81	1	160
1	sp	Q8JUX5.3	POLs	100.0%	100.0%	PNTVGVP-YKTLVNRPGYSPMVLLENELLSVTLEPTLSLDYITGEYKTVIPSPYVKCCGTAE-----KDKNLPDY
2	sp	Q5WQY5.1	POLs	100.0%	96.8%	PNTVGVP-YKTLVNRPGYSPMVLLENELLSVTLEPTLSLDYITGEYKTVIPSPYVKCLRYSEC-----KDKSLPDY
3	sp	Q5XXP3.1	POLs	100.0%	96.4%	PNTVGVP-YKTLVNRPGYSPMVLLENELLSVTLEPTLSLDYITGEYKTVIPSPYVKCCGTAE-----KDKSLPDY

PNTVGVP-CKT LVS RPYGYS PMVL EME LQSV TLE PALS LDYIT CEYKTITPSPYVKCCGTAEC-----KAKNLPDY  
 PNTVGVP-YKT LVS RPYGYS PMVL EME LQSV TLE PTLFLDYIT CEYKTITPSPYVKCCGTAEC-----KAKNLPDY  
 PNTVGVP-YKT LVS RPYGYS PMVL EME LQSV TLE PTLFLDYIT CEYKTITPSPYVKCCGTAEC-----KAKNLPDY  
 PNAPLNS-YKALVERPGYAPLNL EMMVMNTQIIPSVKREYITCRYHTVVPSPQIKCCGTVEC-----PKGEKADY  
 PNQVGIP-FKALIERPGYAGLPLSLVVIKSELPVSLVDYITCNYKTVVPSPYIKCCGGAEC-----SHKN EADY  
 PNKVGIP-YKALVERPGYAPVHLQIQLVNTRIIPSTNLEYITCKYKTKVPSPVVKCCGATQC-----TSKPHPDY  
 PNKVGIP-YKALVERPGYAPVHLQIQLVNTRIIPSTNLEYITCKYKTKVPSPVVKCCGATQC-----TSKPHPDY  
 PNKVGIP-YKALVERPGYAPVHLQIQLVTTKIIPSANLEYITCKYKTKVPSPVVKCCGATQC-----TSKQHPDY  
 PNKVGIP-YKALVERPGYAPVHLQIQLVTTKIIPSANLEYITCKYKTKVPSPVVKCCGSTQC-----SAKSLPDY  
 PNKVGIP-YKALVERPGYAPVHLQIQLVNTSIIPSTNLEYITCKYKTKVPSPVVKCCGATQC-----TSKPHPDY  
 PNVVGFP-YKAHIERNGFSPMTLQLEVLGTSLEPTLNLEYITCEYKTVVPSPYIKCCGTSEC-----RSMERP DY  
 PNQVGFP-YKAHVAREGYSPLTLQMQVIETSL EPTLNLEYITCDYKTKVPSPVVKCCGTAEC-----RTQDKPEY  
 PNAVGF-PYRAHVDRPGFSPPLTHMEVVSTSL EPTLALDYVTCEYKTVVPSPKVTCGMSSEC-----AHQQKADF  
 PNVPQIP-YKALVERAGYAPLNL EITVMSSEVL PSTNQEYITCKFTTVVPSPKVKCCGSLEC-----QPAAHADY  
 PNVPQIP-YKALVERAGYAPLNL EITVMSSEVL PSTNQEYITCKFTTVVPSPKIKCCGSLEC-----QPAAHADY  
 PNVVGFP-YKAHIERNXFS PMTLQLEVVXSL EPTLNLEYITCEYKTVVSPFIKCCGTSEC-----SSKEQPDY  
 PNVVGFP-YKAHIERNGFSPMTLQLEVVETSWEPTLNLEYITCEYKTVVSPFIKCCGTSEC-----SSKEQPDY  
 PNVVGFP-YKAHIERNGFSPMTLQLEVLGTSLEPTLNLEYITCEYKTVPPYIKCCGASEC-----RSMERP DY  
 PMDPRAPSYEAVINRNGYDPLKLTISVNFVTVISPTTAL EYVTCAGVPIVEPPHVGCCTSVSCPSDLSTLHAFTGKAVSDV  
 PNVVGFP-YKAHIERNPGYS PLTLQMQVVETSL EPTLNLEYITCEYKTVVSPYVKCCGASEC-----STKEKPDY  
 PMDPRAPSYEAVINRNGYDPLKLTIAVNFVTVISPTTAL EYVTCAGVPVVEPPHVGCCTSVSCPSDLSTLHAFTGKAVSDV  
 PSQAGIP-YNTIIVNRAGYAPLPISITPTKIKLIPTVNL EYVTCHYKTGMDSPAIKCCGSQEC-----TPTYRPDE  
 PNQAGIS-YNTIIVNRAGYAPLPISITPTKIKLIPTVNL EYVTCHYKTGMDSPAITKCCGSQEC-----TPTYRPDE  
 PNQVGIP-YNTIIVNRAGYAPLPISIVPTKIKLIPTVNL EYVTCHYKTGMDSPAIKCCGSQEC-----SPTYRPDE  
 PSQAGIS-YNTIIVNRAGYAPLPISITPTKIKLIPTVNL EYVTCHYKTGMDSPAIKCCGSQEC-----TPTYRPDE  
 PSQAGIS-YNTIIVNRAGYAPLPISITPTKIKLIPTVNL EYVTCHYKTGMDSPAIKCCGSQEC-----TPTYRPDE  
 PSQAGIS-YNTIIVNRAGYAPLPISITPTKIKLIPTVNL EYVTCHYKTGMDSPAIKCCGSQEC-----TPTYRPDE  
 PNVPGIP-YKALVERAGYAPLNL EITVVSSELTPSTNKEYVTCRFHTVIPSPQVKCCGSLEC-----KASSKADY  
 P...s.hps hltR..assh.lph.....h.Psh..-YhTcthshsh.sp.ltCht..pC.....s-  
 Ps.sths.Yps hlpRsGauPh.lph t..t.pI.Pohsh-YITCcapThhsShlKCCGs.pC.....pst.hsD.  
 PN.sGhP.YcshlpRsGYuPh.lphlp hspI.PohsL-YITCcYKThhsShlKCCGstpC.....psp.hsDh  
 PntsGhP.YKslvPrsGYuPhslplphlp hspI.PohsLEYITCcYKThlPSPhlKCCGosEC.....psptpPDY

SCKVFTGVYPFMWGGAYCFCD<sup>.</sup>ENTQLSEAHV<sup>.</sup>EKSESCKTE<sup>2</sup>--FASAYRAHTASASAK<sup>.</sup>LRVLVYQGN<sup>.</sup>ITVT--AYANGDHA  
 SCKVFTGVYPFMWGGAYCFCD<sup>.</sup>ENTQLSEAHV<sup>.</sup>EKSESCKTE--FASAYRAHTASASCK<sup>.</sup>LRVLVYQGN<sup>.</sup>ITVTS--AYANGDHA  
 SCKVFTGVYPFMWGGAYCFCD<sup>.</sup>ENTQLSEAHV<sup>.</sup>EKSESCKTE--FASAYRAHTASASAK<sup>.</sup>LRVLVYQGN<sup>.</sup>ITVA--AYANGDHA  
 NCKVFTGVYPFMWGGAYCFCD<sup>.</sup>ENTQLSEAHV<sup>.</sup>EKSESCKTE--FASAYRAHTASVSAK<sup>.</sup>LRVIFYQGN<sup>.</sup>ITVTS--AYANGDHA  
 NCKVFTGVYPFMWGGAYCFCD<sup>.</sup>ENTQLSEAHV<sup>.</sup>EKSESCKTE--FASAYRAHTASVSAK<sup>.</sup>LRVIFYQGN<sup>.</sup>ITVTS--AYANGDHA  
 NCKVFTGVYPFMWGGAYCFCD<sup>.</sup>ENTQLSEAHV<sup>.</sup>EKSESCKTE--FASAYRAHTASVSAK<sup>.</sup>LRVIFYQGN<sup>.</sup>ITVTS--AYANGDHA  
 TCKVFTGVYPFMWGGAYCFCD<sup>.</sup>SENSQLSDKYVELSTDCATD--HAAEYRV<sup>.</sup>HTASVKSQ<sup>.</sup>LRITYGNSTAQVD--VFVNGVTP  
 KCSVFTGVYPFMWGGAYCFCD<sup>.</sup>TENSQMSSEVYVTRGESCEAD--HAAIAQVHTASLKAQVMISIGEL<sup>.</sup>NCTVD--VFVNGDSP  
 QCOVFTGVYPFMWGGAYCFCD<sup>.</sup>TENTQMSSEAYVERSEEC<sup>.</sup>SID--HAKAYKVHTGTVOAMVNITYGSVTWRSADVYNGETP  
 QCOVFTGVYPFMWGGAYCFCD<sup>.</sup>TENTQMSSEAYVERSEEC<sup>.</sup>SID--HAKAYKVHTGTVOAMVNITYGSVSWRSADVYNGETP  
 QCOVFAAGVYPFMWGGAYCFCD<sup>.</sup>TENTQMSSEAYIERAEEC<sup>.</sup>SVD--QAKAYKVHTGTVOAVVNITYGSVSWRSADVYNGETP  
 QCOVFTGVYPFMWGGAYCFCD<sup>.</sup>TENTQMSSEAYIERAEEC<sup>.</sup>SVD--QAKAYKVHTGTVOAVVNITYGSVSWRSADVYNGETP  
 QCOVFTGVYPFMWGGAYCFCD<sup>.</sup>TENTQMSSEAYVERSEEC<sup>.</sup>SID--HAKAYKVHTGTVOAMVNITYGSVSWRSADVYNGETP

14	sp Q5Y388.1 POLS	99.8%	59.5%
15	sp Q8QZ72.1 POLS	99.2%	58.1%
16	sp Q80S27.1 POLS	100.0%	57.4%
17	sp P27285.1 POLS	98.8%	45.7%
18	sp P03316.1 POLS	98.8%	45.7%
19	sp P13890.1 POLS	99.6%	57.3%
20	sp P08491.3 POLS	99.6%	58.3%
21	sp Q9JGK8.1 POLS	99.8%	58.7%
22	sp Q8JJX0.1 POLS	99.8%	33.6%
23	sp P03315.1 POLS	99.6%	59.3%
24	sp Q8QL52.1 POLS	100.0%	33.8%
25	sp P36329.1 POLS	99.0%	49.8%
26	sp P36330.1 POLS	99.0%	48.8%
27	sp P36331.1 POLS	99.0%	50.0%
28	sp P36332.1 POLS	99.0%	49.4%
29	sp P05674.1 POLS	98.8%	49.2%
30	sp P09592.2 POLS	98.8%	49.2%
31	sp P13897.1 POLS	98.8%	42.8%
consensus/100%			
consensus/90%			
consensus/80%			
consensus/70%			

QCQVYTGVPFPMWGGAYCFCDTENTQLSEAYVDRSDVCKHD--HAAAYKAHTAAMKATIRISYGNLNQTTT-AFVNGEHT  
 KCAVFTGVYPFPMWGGAYCFCDSENTQMSAYVERADVCKHD--HAAAYRAHTASLRKIKVITYGTVNQTE-AFVNGDHA  
 QCKVYTGVPFPMWGGAYCFCDSENTQLSEAYVERSEVCKHD--HAAAYRAHTAALKAKISVITYGSTNGTAE-AFVNGEST  
 TCKVFGGVYPFPMWGGAYCFCDSENSQMSAYVELSADCATD--HAQAIKVHTAAMKVGRLVYGNNTTSFLD-VYVNGVTP  
 TCKVFGGVYPFPMWGGAYCFCDSENSQMSAYVELSADCASD--HAQAIKVHTAAMKVGRLVYGNNTTSFLD-VYVNGVTP  
 QCKVYTGVPFPMWGGAYCFCDSENTQLSEAYVDRSDVCKHD--HALAYKAHTASLKATIRISYGTINQITE-AFVNGEHA  
 QCKVYTGVPFPMWGGAYCFCDSENTQLSEAYVDRSDVCKHD--HASAYKAHTASLKATIRISYGTINQITE-AFVNGEHA  
 QCQVYTGVPFPMWGGAYCFCDTENTQLSEAYVDRSDVCKHD--HAAAYKAHTAAMKATIRISYGNLNQTTT-AFVNGEHT  
 HCDVHTNVYPLLWGAHCFCSTENTQVSAVAATVSEFCAQDSERAEAFSVHSSSVTAEVLVTLGEVVTAVH-VYVDGVT  
 QCKVYTGVPFPMWGGAYCFCDSENTQLSEAYVDRSDVCKHD--HASAYKAHTASLKAKVRVMYGNVNQTVD-VYVNGDHA  
 HCDVHTNVYPLLWGAHCFCSTENTQVSAVAATVSEFCAQDSERAEAFSVHSSSVTAEILVTLGEVVTAVH-VYVDGVT  
 QCKVFTGVYPFPMWGGAYCFCDTENTQVSKAYVKSDDCLAD--HAEAYKAHTASVQAFLNITVGEHSIVTT-VYVNGETP  
 QCKVFTGVYPFPMWGGAYCFCDTENTQVSKAYVKSDDCLAD--HAAAYKAHTASVQAFLNITVGEHSIVTT-VYVNGETP  
 QCKVFTGVYPFPMWGGAYCFCDTENTQVSKAYVKSDDCLAD--HAEAYKAHTASVQAFLNITVGEHSIVTT-VYVNGETP  
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 TCRVFGGVYPFPMWGGAYCFCDSENTQLSEAYVEFAPDCTID--HAVALKVHTAALKVGRLVYGNNTTAHLD-TFVNGVTP  
 pCtVassYVPhhWGAHCFCSENQhSthhh.hu...C...A.AhpsHoushps.1.1.htt.s.....sassG.ps  
 pCpVasGVYPFhWGAHCFCDSENQhScsa1.hup.C.h...hAtAh+sHTushpu.lpl.htt.s.hst.sasNG.ps  
 pCpVatGVYPFPMWGGAYCFCDSENTQhScAaVp+S...CttD...aAtAY+sHTuohpAhlp1hhGt.s.hss.saVNG-ps  
 pCcVFTGVYPFPMWGGAYCFCDSENTQLSEAYV-+S-sCttD...+ApAY+sHTAolpAhlp1sYGshshss.sYVNG-ps

			cov	pid	241
1	sp	Q8JUX5.3	POLS	100.0%	100.0%
2	sp	Q5WQY5.1	POLS	100.0%	96.8%
3	sp	Q5XXP3.1	POLS	100.0%	96.4%
4	sp	P22056.1	POLS	100.0%	87.3%
5	sp	Q90371.1	POLS	100.0%	88.1%
6	sp	Q90369.1	POLS	100.0%	87.9%
7	sp	Q86925.2	POLS	98.4%	44.6%
8	sp	P89946.2	POLS	99.4%	50.7%
9	sp	P08768.1	POLS	99.0%	47.7%
10	sp	Q4QXJ7.1	POLS	99.2%	49.9%
11	sp	Q306W5.1	POLS	99.2%	48.9%
12	sp	Q306W7.1	POLS	99.2%	49.5%
13	sp	P27284.1	POLS	99.0%	48.1%
14	sp	Q5Y388.1	POLS	99.8%	59.5%
15	sp	Q8QZ72.1	POLS	99.2%	58.1%
16	sp	Q80S27.1	POLS	100.0%	57.4%
17	sp	P27285.1	POLS	98.8%	45.7%
18	sp	P03316.1	POLS	98.8%	45.7%
19	sp	P13890.1	POLS	99.6%	57.3%
20	sp	P08491.3	POLS	99.6%	58.3%
21	sp	Q9JGK8.1	POLS	99.8%	58.7%
22	sp	Q8JJX0.1	POLS	99.8%	33.6%
23	sp	P03315.1	POLS	99.6%	59.3%

VT VKDAKFIVGPMSSAWTPFDNKIVVYKGDVYNDYPPFAGRPGQFGDIQSRTP---ESKDVYANTQLVLQRPAAGTVH  
 VT VKDAKFIVGPMSSAWTPFDNKIVVYKGDVYNDYPPFAGRPGQFGDIQSRTP---ESKDVYANTQLVLQRPSAGTVH  
 VT VKDAKFIVGPMSSAWTPFDNKIVVYKGDVYNDYPPFAGRPGQFGDIQSRTP---ESKDVYANTQLVLQRPAAGTVH  
 VT VEDAKFVIGPLSSAWSFPDNKIVVYKGEVYNDYPPFAGRPGQFGDIQSRTP---DSKDVYANTQLILQRPAAGATH  
 VT VKDAKFVIGPLSSAWSFPDNKIVVYKGEVYNDYPPFAGRPGQFGDIQSRTP---DSKDVYANTQLILQRPAAGATH  
 VT VKDAKFVIGPLSSAWSFPDNKIVVYKGEVYNDYPPFAGRPGQFGDIQSRTP---DSKDVYANTQLILQRPAAGATH  
 ARSKDWKLIAGPLSTTFSPFDNKVIYHGVYNDYPPFAGRPGQFGDIQSRTP---TGSDDLANTAIHLQRPEARNTI  
 ARIQQSKFILGPISSAWSFPDHIKIVYRDEVYNDYPPFAGRPGQFGDIQSRTV---NSTDVYANTNLKLQRPASGNVH  
 AKIGDAKLIIGPLSSAWSFPDNKIVVYGHVYNDYPPFAGRPGQFGDIQSRTS---TSNDLYANTNLKLQRPPAGIVH  
 AKIGDAKLIIGPLSSAWSFPDNKIVVYGHVYNDYPPFAGRPGQFGDIQSRTS---TSNDLYANTNLKLQRPPAGIVH  
 AKIGDAKLTIGPLSSAWSFPDVKIVVYGHVYNDYPPFAGRPGQFGDIQSRTL---TSNDLYANTNLKLQRPPGVVH  
 AKIGDAKLTIGPLSSAWSFPDVKIVVYGHVYNDYPPFAGRPGQFGDIQSRTL---TSNDLYANTNLKLQRPPGVVH  
 AKIGDAKLTIGPLSSAWSFPDVKIVVYGHVYNDYPPFAGRPGQFGDIQSRTL---TSNDLYANTNLKLQRPPGVVH  
 AKIGDAKLTIGPLSSAWSFPDVKIVVYGHVYNDYPPFAGRPGQFGDIQSRTL---TSNDLYANTNLKLQRPPGVVH  
 VT VGGSRFTFGPISTAWTPFDNKIVVYKNDVYNDYPPYGSQPGFRFGDIQSRTV---ESKDLYANTALKLSRPSSTVH  
 VTIAGTKFIFGPVSTPMTPTFDNKILVYKGEVYNDYPPYGSQPGFRFGDIQSRTL---DSKDLYANTALKLSRPSAGTVH  
 ARIGDLKILGPISTAWSFPDVKIVVYKDEVYNDYPPYGSQPGFRFGDIQSRTL---ESKDLYANTALKLSRPSAGTVH  
 GTSKDLKVIAGPISASFTPTFDHKLVIHRLVYNDYPPYGSQPGFRFGDIQSRTL---TSKDLIASTDIRLLKPSAKNVH  
 GTSKDLKVIAGPISASFTPTFDHKLVIHRLVYNDYPPYGSQPGFRFGDIQSRTL---TSKDLIASTDIRLLKPSAKNVH  
 VNVGGSKFIFGPISSTAWSFPDVKIVVYKDDVYNDYPPYGSQPGFRFGDIQSRTV---ESKDLYANTALKLSRPSGVVH  
 VNVGGSKFIFGPISSTAWSFPDVKIVVYKDDVYNDYPPYGSQPGFRFGDIQSRTV---ESKDLYANTALKLSRPSGVVH  
 VNVGGSKFIFGPISSTAWSFPDVKIVVYKDDVYNDYPPYGSQPGFRFGDIQSRTV---ESKDLYANTALKLSRPSGVVH  
 VNVGGSKFIFGPISSTAWSFPDVKIVVYKDDVYNDYPPYGSQPGFRFGDIQSRTV---ESKDLYANTALKLSRPSGVVH  
 ARGTDKIVAGPITTDYSPFDRKIVRIGEEVYNDYPPYGSQPGFRFGDIQSRTV---ESKDLYANTALKLSRPSGVVH  
 VTIGGTQFIFGPISSAWTPFDNKIVVYKDEVYNDYPPYGSQPGFRFGDIQSRTV---ESKDLYANTALKLSRPSGVVH



24	sp Q8QL52.1 POLS	100.0%	33.8%
25	sp P36329.1 POLS	99.0%	49.8%
26	sp P36330.1 POLS	99.0%	48.8%
27	sp P36331.1 POLS	99.0%	50.0%
28	sp P36332.1 POLS	99.0%	49.4%
29	sp P05674.1 POLS	98.8%	49.2%
30	sp P09592.2 POLS	98.8%	49.2%
31	sp P13897.1 POLS	98.8%	42.8%
consensus/100%			
consensus/90%			
consensus/80%			
consensus/70%			

ARGTDLKIIVAGPITTDYSPFDRKIVVRIGEEVYNYDAPPPYAGAPGTGFDIQARSTNYVKPNLDLYGDIGIEVLQPTNDHMH  
 VNFNGVKLTAGPLSTAWTPFDRKIVQYAGEIYNYDFPEYAGAPGAFGDIQSRTV---SSSDLYANTNLVLQRPKAGATH  
 VNFNGVKLTAGPLSTAWTPFDRKIVQYAGEIYNYDFPEYAGAPGAFGDIQRTV---SSSDLYANTNLVLQRPKAGATH  
 VNFNGVKLTAGPLSTAWSPFDKIVQYAGEIYNYDFPEYAGAHAGAFGDIQARTI---SSSDVYANTNLVLQRPKAGATH  
 VNFNGVKLTAGPLSTAWTPFDRKIVQYAGEIYNYDFPEYAGAPGAFGDIQSRTV---SSSDLYANTNLVLQRPKAGATH  
 VNFNGVKLTAGPLSTAWTPFDRKIVQYAGEIYNYDFPEYAGAPGAFGDIQSRTV---SSSDLYANTNLVLQRPKAGATH  
 VNFNGVKLTAGPLSTAWTPFDRKIVQYAGEIYNYDFPEYAGAPGAFGDIQSRTV---SSSDLYANTNLVLQRPKAGATH  
 GSSRDLLKVIAGPISAAFPFDHKVIRKGLVYNYDFPEYGAMKPGAFGDIQASSL---DATDIVARTDIRLLKPSVKNIH  
 sp.tt.phhhGPhossaoPFD.Kll.htt.laN.Das.aGshpsG.FGDIQ.po....pspDlhuphtl.1.pPtst.1H  
 sp.ts.KhhhGPISSaoPFDpkIV.attcLYN.DaP.aGsGpsGtFGDIQupo....pupDlhAsTtlhL.+Ptst.1H  
 sphtshKhhhGPISSaoPFDpkIVhYtt-LYN.DaP.aGuGpsGtFGDIQURT....pSpDlYANTS.hLtrRptsGs1H  
 sphtssKhhhGPISSaoPFDpkIVlyts-VYNhDaP.YGuGpGtFGDIQSRTs...pSpDlYANTS.hLpRPpuGs1H

				cov	pid	321
1	sp	Q8JUX5.3	POLS	100.0%	100.0%	
2	sp	Q5WQY5.1	POLS	100.0%	96.8%	
3	sp	Q5XXP3.1	POLS	100.0%	96.4%	
4	sp	P22056.1	POLS	100.0%	87.3%	
5	sp	O90371.1	POLS	100.0%	88.1%	
6	sp	O90369.1	POLS	100.0%	87.9%	
7	sp	Q86925.2	POLS	98.4%	44.6%	
8	sp	P89946.2	POLS	99.4%	50.7%	
9	sp	P08768.1	POLS	99.0%	47.7%	
10	sp	Q4QXJ7.1	POLS	99.2%	49.9%	
11	sp	Q306W5.1	POLS	99.2%	48.9%	
12	sp	Q306W7.1	POLS	99.2%	49.5%	
13	sp	P27284.1	POLS	99.0%	48.1%	
14	sp	Q5Y388.1	POLS	99.8%	59.5%	
15	sp	Q8QZ72.1	POLS	99.2%	58.1%	
16	sp	Q80S27.1	POLS	100.0%	57.4%	
17	sp	P27285.1	POLS	98.8%	45.7%	
18	sp	P03316.1	POLS	98.8%	45.7%	
19	sp	P13890.1	POLS	99.6%	57.3%	
20	sp	P08491.3	POLS	99.6%	58.3%	
21	sp	Q9JGK8.1	POLS	99.8%	58.7%	
22	sp	Q8JJX0.1	POLS	99.8%	33.6%	
23	sp	P03315.1	POLS	99.6%	59.3%	
24	sp	Q8QL52.1	POLS	100.0%	33.8%	
25	sp	P36329.1	POLS	99.0%	49.8%	
26	sp	P36330.1	POLS	99.0%	48.8%	
27	sp	P36331.1	POLS	99.0%	50.0%	
28	sp	P36332.1	POLS	99.0%	49.4%	
29	sp	P05674.1	POLS	98.8%	49.2%	
30	sp	P09592.2	POLS	98.8%	49.2%	
31	sp	P13897.1	POLS	98.8%	42.8%	
consensus/100%						
consensus/90%						

VPYSQAPS GF KYW . KER GAS LQHTAPFGCQIATNPVRAMNCAVGNMIPISIDIPDAAFTRVVDAPSLTDYSCEVPACTHSS  
 VPYSQAPS GF KYW . KER GAS LQHTAPFGCQIATNPVRAMNCAVGNMIPISIDIPDAAFTRVVDAPSLTDYSCEVPACTHSS  
 VPYSQAPS GF KYW . KER GAS LQHTAPFGCQIATNPVRAMNCAVGNIPISIDIPDAAFTRVVDAPSVTDYSCEVPACTHSS  
 VPYSQAPS GF KYW . KER GAS LQHTAPFGCQIATNPVRAMNCAVGNIPVSIDIPDAAFTRVVDAPSVTDYSCEVASCTHSS  
 VPYSQAPS GF KYW . KER GAS LQHTAPFGCQIATNPVRAMNCAVGNIPVSIDIPDAAFTRVVDAPSVTDYSCEVASCTHSS  
 VPYSQAPS GF KYW . KER GAS LQHTAPFGCQIATNPVRAMNCAVGNIPVSIDIPDAAFTRVVDAPSVTDYSCEVASCTHSS  
 VPYTQAPS GF EFWKNNSSGQPLSDTAPFGCKVNNPLRADKCAVGSIPISIDIPDAAFTRVS-EPLPSLLKCTVTSTCTYST  
 VPYTQTPSGFSYWKKEKGVPLNRNAPFGCIIKVPVRAENCVYGNIPISMDIADAFTRIDESPSVSLKACEVQSCITYSS  
 TPFTQAPS GF ERWKRDKGAPLNDVAPFGCSIALEPLRAENCVAGSIPISIDIPDAAFTRISPTPTVSDLECKITECTYAS  
 TPFTQAPS GF ERWKRDKGAPLNDVAPFGCSIALEPLRAENCVAGSIPISIDIPDAAFTRISPTPTVSDLECKITECTYAS  
 TPYTQAPS GF ERWKRDKGAPLNDIAPFGCTIALDPLRAENCVAGNIPISIDIPDAAFTRISPTPTVSDLECKITECTYAS  
 TPFTQAPS GF ERWKRDKGAPLNDVAPFGCSIALEPLRAENCVAGSIPISIDIPDAAFTRISPTPTVSDLECKITECTYAS  
 VPYTQTPSGFKYW . KER GTS LNDKAPFGCVIKTNPVRAENCVAGNIPVSMDIPDAFTRVVDAPAVTNLECOVAVCTHSS  
 VPYTQTPSGFKTWKQKRDSP LNAKAPFGCIIKTNPVRAENCVAGNIPVSMDIADSAFTRLTDAPVISELTCTVSTCTHSS  
 VPYTQTPSGFKYW . KER GDALN . KAPFGCIIKTNPVRAENCVAGNIPVSMDIPDAAFTRVVDAPSLTGLKCEVATCTHSS  
 VPYTQAPS GF EMWKNNSSGRPLQETAPFGCKIAVNP LRAVDCSYGNIPISIDIPNAAFIRTS DAPLVSTVKCDVSECTYSA  
 VPYTQAPS GF EMWKNNSSGRPLQETAPFGCKIAVNP LRAVDCSYGNIPISIDIPNAAFIRTS DAPLVSTVKCEVSECTYSA  
 VPYTQTPSGFKYW . KER GSSLNTKAPFGCKIKTNPVRAENCVAGSIPVSMDIPDAFTRVVDAPAVTDLS CQVAVCTHSS  
 VPYTPTPS GF KYW . KER GSSLNTKAPFGCKIKTNPVRAENCVAGSIPVSMDIPDAFTRVVDAPAVTDLS CQVAVCTHSS  
 VPYTQTPSGFKYW . KER GTS LNDKAPFGCVIKTNPVRAENCVAGNIPVSMDIPDAFTRVVDAPAVTNLECOVAVCTHSS  
 VAYTYTSSGLLRWLDAPKPLSVTAPHGCKISANPLALDCGVGAVPMSINIPDAKFTRKLKDPKPSALKCVVDSCEYGV  
 VPYTQTPSGFKYW . KER GTALNTKAPFGCQIKTNPVRAENCVAGNIPVSMDIPDAFTRVVDAPAVTNLECOVAVCTHSS  
 VAYTYTSSGLLRWLDAPKPLSVTAPHGCKISANPLALDCGVGAVPMSINIPDAKFTRKLKDPKPSALKCVVDSCEYGV  
 VPYTQAPS GF EQWKOKAPSLKFTAPFGCEIYTNPIRAENCVAGSIPLAFDIPDALFTRVSETPTLSAAECTLNECVYSS  
 VPYTQAPS GF EQWKOKAPSLKFTAPFGCEIYTNPIRAENCVAGSIPLAFDIPDALFTRVSETPTLSAAECTLNECVYSS  
 VPYTQAPS GF EQWKOKAPSLKFTAPFGCEIYTNPIRAENCVAGSIPLAFDIPDALFTRVSETPTLSAAECTLNECVYSS  
 VPYTQAPS GF EQWKOKAPSLKFTAPFGCEIYTNPIRAENCVAGSIPLAFDIPDALFTRVSETPTLSAAECTLNECVYSS  
 VPYTQAPS GF EQWKOKAPSLKFTAPFGCEIYTNPIRAENCVAGSIPLAFDIPDALFTRVSETPTLSAAECTLNECVYSS  
 VPYTQAPS GF EQWKOKAPSLKFTAPFGCEIYTNPIRAENCVAGSIPLAFDIPDALFTRVSETPTLSAAECTLNECVYSS  
 VPYTQAVSGYEMWKNNSSGRPLQETAPFGCKIEVEPLRASNCAYGHIPISIDIPDAAFVRSSESPTILEV SCTVADCIYSA  
 ssao.ssSgh..w.ppts.sLp..APA GC.1.hpPlhs.pCshGthPhuhs1ssshFhR...tp....htC.1..C. aus  
 spYQssSGac.Wnppps.sLp.hAPFGC.I.hpPlRA.sCuhGslpluhDIPDuhFTRh.-sp.lothpCpls.Csauu

consensus/80%

consensus/70%

VPYTS<sup>S</sup>SGF<sup>ch</sup>Wh<sup>+</sup>++uss<sup>L</sup>p.pAPFGCpItsNPIRA.sCAVGsIPI<sup>Sh</sup>DIPDA<sup>t</sup>FTRLs-s<sup>Ps</sup>loshpCpl<sup>st</sup>Csau<sup>S</sup>  
 VPYTS<sup>S</sup>SGF<sup>ch</sup>Wh<sup>K</sup>++Gss<sup>L</sup>ppsAPFGCpItsNPIRA.NCAVGsIPI<sup>Sh</sup>DIPDA<sup>t</sup>FTRLs-s<sup>Ps</sup>loshpCpl<sup>sp</sup>C<sup>Ta</sup>SS

			cov	pid	401		480
1	sp	Q8JUX5.3	POLS	100.0%	100.0%	DFGGVAIIKYAVSKKKCAVHSTMNAVITIREAELEVEG-NSQ <sup>Q</sup> ISFSTALASAEFRVQVCSTQVHCAA <sup>E</sup> CHPPKDHIVN	
2	sp	Q5WQY5.1	POLS	100.0%	96.8%	DFGGAIIKYAASKKKCAVHSTMNAVITIREAELEVEG-NSQ <sup>Q</sup> ISFSTALASAEFRVQVCSTQVHCAA <sup>E</sup> CHPPKDHIVN	
3	sp	Q5XXP3.1	POLS	100.0%	96.4%	DFGGVAIIKYTASKKKCAVHSTMNAVITIREADV <sup>E</sup> EG-NSQ <sup>Q</sup> ISFSTALASAEFRVQVCSTQVHCAA <sup>E</sup> CHPPKDHIVN	
4	sp	P22056.1	POLS	100.0%	87.3%	DFGGAIVIKYTASKKKCAVHSTMNAVITIREPNVDVKG-TAQ <sup>Q</sup> IAFSTALASAEFKVQICSTLVHCSAT <sup>E</sup> CHPPKDHIVN	
5	sp	O90371.1	POLS	100.0%	88.1%	DFGGAIVIKYTASKKKCAVHSTMNAVITIREPNVDV <sup>E</sup> EG-TAQ <sup>Q</sup> IAFSTALASAEFKVQICSTQVHCSAT <sup>E</sup> CHPPKDHIVN	
6	sp	O90369.1	POLS	100.0%	87.9%	DFGGAIVV <sup>K</sup> YTASKKKCAVHSTMNAVITIREPNVDV <sup>E</sup> EG-TAQ <sup>Q</sup> IAFSTALASAEFKVQICSTQVHCSAT <sup>E</sup> CHPPKDHIVN	
7	sp	Q86925.2	POLS	98.4%	44.6%	DYGGVLVLTYESDRAGOC <sup>A</sup> AVHSHSSTAVLRDPSVY <sup>E</sup> EQ-KGETTLKFSTRSLQADFEVSMCGTRTTCHAQCOP <sup>E</sup> TEHVMN	
8	sp	P89946.2	POLS	99.4%	50.7%	DFGGVASTISYTSN <sup>K</sup> VGKCAI <sup>H</sup> SHSN <sup>S</sup> SATMKDSVQDV <sup>E</sup> QE-SGA <sup>L</sup> SLFFATSSVEPNFV <sup>Q</sup> VCNARITCHGKCEPPKDHIVP	
9	sp	P08768.1	POLS	99.0%	47.7%	DFGGIATLPTNPVKQETVQFIVHQVLQLLKRMTSP <sup>L</sup> LLR-AGSFTFHFSTANIHPAFK <sup>L</sup> QVCTSGITCKGDC <sup>K</sup> PPKDHIVD	
10	sp	Q4QXJ7.1	POLS	99.2%	49.9%	DFGGIATVAYKSSKAGNCPIHSPSGVAVIKENDVT <sup>L</sup> LAE-SGSFTFHFSTANIHPAFK <sup>L</sup> QVCTSAVTC <sup>K</sup> GDC <sup>K</sup> PPKDHIVD	
11	sp	Q306W5.1	POLS	99.2%	48.9%	DFGGIATVAYKASKAGNCPIHSPSGIAV <sup>I</sup> IKENDVT <sup>L</sup> LAD-SGSFTFHFSTASIHPAFK <sup>M</sup> QICTSVVTC <sup>K</sup> GDC <sup>K</sup> PPKDHIVD	
12	sp	Q306W7.1	POLS	99.2%	49.5%	DFGGIATISYKASKAGNCPIHSPSGIAV <sup>I</sup> IKENDVT <sup>L</sup> LAD-SGAFTFHFSTASIHPAFK <sup>M</sup> QICTSVVTC <sup>K</sup> GDC <sup>K</sup> PPKDHIVD	
13	sp	P27284.1	POLS	99.0%	48.1%	DFGGIATLPTNPVKQETVQFILHQVLQLLKRMTSP <sup>L</sup> LLR-AGSFTFHFSTANIHPAFK <sup>L</sup> QVCTSGVT <sup>C</sup> KGDC <sup>K</sup> PPKDHIVD	
14	sp	Q5Y388.1	POLS	99.8%	59.5%	DFGGIATLTFTKTDK <sup>PK</sup> CAVHSHSNVATIQEA <sup>A</sup> VDIKT-DGKITLHFSTAS <sup>A</sup> SPAFKVSVC <sup>S</sup> AKTT <sup>C</sup> MAACEPPKDHIVP	
15	sp	Q8QZ72.1	POLS	99.2%	58.1%	DFGGIAVL <sup>S</sup> YKVEKSGRCDI <sup>H</sup> SHSNVAVLQEV <sup>S</sup> LETE---GRSVTHFSTAS <sup>A</sup> SPSFVVSVC <sup>S</sup> SRATCTAKCEPPKDHIVT	
16	sp	Q80527.1	POLS	100.0%	57.4%	DFGGTLVVEYKTDK <sup>VG</sup> CAVHSESN <sup>T</sup> AVMQETSLSV <sup>T</sup> LM-DGRGTLHFSTAS <sup>A</sup> SPSFVLKVC <sup>S</sup> SKTTCTAKCVPPKDHIVP	
17	sp	P27285.1	POLS	98.8%	45.7%	DFGGMATLQYVSDREGQCPVHSHSSTATLQESTV <sup>H</sup> VLE-KGAVTVHFSTAS <sup>P</sup> QANFIVSLCGKTT <sup>C</sup> NAECKPPADHIVS	
18	sp	P03316.1	POLS	98.8%	45.7%	DFGGMATLQYVSDREGQCPVHSHSSTATLQESTV <sup>H</sup> VLE-KGAVTVHFSTAS <sup>P</sup> QANFIVSLCGKTT <sup>C</sup> NAECKPPADHIVS	
19	sp	P13890.1	POLS	99.6%	57.3%	DFGXVATLSYKTDK <sup>PK</sup> CAVHSHSNVATLQEA <sup>T</sup> VDVKE-DGKVTVHFSTAS <sup>A</sup> SPAFKVSVC <sup>D</sup> AKTTCTAACEPPKDHIVP	
20	sp	P08491.3	POLS	99.6%	58.3%	DFGGVATLSYKTDK <sup>PK</sup> CAVHSHSNVATLQEA <sup>T</sup> VDVKE-DGKVTVHFSTAS <sup>A</sup> SPAFKVSVC <sup>D</sup> AKTTCTAACEPPKDHIVP	
21	sp	Q9JGK8.1	POLS	99.8%	58.7%	DFGGIATLTFTKTDK <sup>PK</sup> CAVHSHSNVATIQEA <sup>A</sup> VDIKT-DGKITLHFSTAS <sup>A</sup> SPAFMVSVC <sup>S</sup> AKTT <sup>C</sup> MAACEPPKDHIVP	
22	sp	Q8JJX0.1	POLS	99.8%	33.6%	DYGGAATITTYEGHEAGKCGI <sup>H</sup> SLTPGVPLRTSV <sup>E</sup> VVAGANTVKTT <sup>F</sup> SSPTPEVALEVEIC <sup>S</sup> AI <sup>V</sup> KCAGECTPPKEH <sup>V</sup> VA	
23	sp	P03315.1	POLS	99.6%	59.3%	DFGGVLTLT <sup>Y</sup> TKTNK <sup>NG</sup> CSVHSHSNVATLQEA <sup>T</sup> AKVKT-AGKVTLHFSTAS <sup>A</sup> SPSFVVSVC <sup>S</sup> SARATCSASCEPPKDHIVP	
24	sp	Q8QL52.1	POLS	100.0%	33.8%	DYGGAATITTYEGHEAGKCGI <sup>H</sup> SLTPGVPLRTSV <sup>E</sup> VVAGANTVKTT <sup>F</sup> SSPTPEVTLEVEIC <sup>S</sup> AI <sup>V</sup> KCASECTPPKEH <sup>V</sup> VA	
25	sp	P36329.1	POLS	99.0%	49.8%	DFGGIATVKYSASKSGKCAVHVP <sup>S</sup> GTATLKEAA <sup>E</sup> ELAE-QGSATIH <sup>F</sup> STANIHP <sup>E</sup> FR <sup>L</sup> QICTSYVTCKGDC <sup>H</sup> PPKDHIVT	
26	sp	P36330.1	POLS	99.0%	48.8%	DFGGIATVKYSASKSGKCAVHVP <sup>S</sup> GTATLKEAS <sup>V</sup> ELAE-QGSVTIH <sup>F</sup> STANIHP <sup>E</sup> FR <sup>L</sup> QICTSFVTCKGDC <sup>H</sup> PPKDHIVT	
27	sp	P36331.1	POLS	99.0%	50.0%	DFGGIATVKYSASKSGKCAVHVP <sup>S</sup> GTATLKEAA <sup>V</sup> ELAE-QGSATIH <sup>F</sup> STASIHP <sup>E</sup> FR <sup>L</sup> QICTSYVTCKGDC <sup>H</sup> PPKDHIVT	
28	sp	P36332.1	POLS	99.0%	49.4%	DFGGIATVKYSASKSGKCAVHVP <sup>S</sup> GTATLKEAA <sup>V</sup> ELTE-QGSATIH <sup>F</sup> STANIHP <sup>E</sup> FR <sup>L</sup> QICTSYVTCKGDC <sup>H</sup> PPKDHIVT	
29	sp	P05674.1	POLS	98.8%	49.2%	DFGGIATVKYSASKSGKCAVHVP <sup>S</sup> GTATLKEAA <sup>V</sup> ELTE-QGSATIH <sup>F</sup> STANIHP <sup>E</sup> FR <sup>L</sup> QICTSYVTCKGDC <sup>H</sup> PPKDHIVT	
30	sp	P09592.2	POLS	98.8%	49.2%	DFGGIATVKYSASKSGKCAVHVP <sup>S</sup> GTATLKEAA <sup>V</sup> ELTE-QGSATIH <sup>F</sup> STANIHP <sup>E</sup> FR <sup>L</sup> QICTSYVTCKGDC <sup>H</sup> PPKDHIVT	
31	sp	P13897.1	POLS	98.8%	42.8%	DFGGSLTLQYKADREG <sup>H</sup> CPVHSHSSTAVLKEAT <sup>H</sup> VTAVTA-VGSITLHFSTSSPQANFIVSLCGKTT <sup>C</sup> NAECKPPADHITIG	
			consensus/100%			DaG..h.l.h.s.c.tps.hh..ps...hpp....h....st..h.Fu....psth.hphCst.hpC.utC.PPt-HlHs	
			consensus/90%			DFGGnhsltatss+.GpCslHs.oshsslpcsshpl.t.tuthphtFSTs..pstFhlpCcss.spCtutCpppDhIvs	
			consensus/80%			DFGGhAslpYpssKtGpCslHs.osssslpcsspltt.tuphphpFSTAshpstFhlpCsshspCtupCcPPKDHIVs	
			consensus/70%			DFGGhAolpYpssKtGpCuVHs.ossssl+Esslcltt.pgphol+FSTAshpstFclpCoshstCpupCcPPKDHIVs	

			cov	pid	481		536
1	sp	Q8JUX5.3	POLS	100.0%	100.0%	YPASHTTLGVQDISATAMSWQKITGGVGLVVAALILIVVLCV <sup>S</sup> FSRH-----	
2	sp	Q5WQY5.1	POLS	100.0%	96.8%	YPASHTTLGVQDISATAMSWQKITGGVGLVVAALILIVVLCV <sup>S</sup> FSRH-----	
3	sp	Q5XXP3.1	POLS	100.0%	96.4%	YPASHTTLGVQDISITAMSWQKITGGVGLVVAALILIVVLCV <sup>S</sup> FSRH-----	
4	sp	P22056.1	POLS	100.0%	87.3%	YPSPHHTTLGVQDISITAMSWQKITGGVGLVVAALILIVVLCV <sup>S</sup> FSRH-----	
5	sp	O90371.1	POLS	100.0%	88.1%	YPSPHHTTLGVQDISITAMSWQKITGGVGLVVAALILIVVLCV <sup>S</sup> FSRH-----	
6	sp	O90369.1	POLS	100.0%	87.9%	YPSPHHTTLGVQDISITAMSWQKITGGVGLVVAALILIVVLCV <sup>S</sup> FSRH-----	

7 sp	Q86925.2	POLS	98.4%	44.6%	RPOKSTPDFSSAITSKTSWNWITALMGGISSIAATAAIVLVIALVFTAQHR-----
8 sp	P89946.2	POLS	99.4%	50.7%	YAAKINDAEFPSTISITAWQWLAHTTSGPLTILVVAIIIVVVVSIVVCARH-----
9 sp	P08768.1	POLS	99.0%	47.7%	YPAQHTESFTSAISATAWSWLKVLVGGTSAFIVLGLIATAVVALVLFHRRH-----
10 sp	Q4QXJ7.1	POLS	99.2%	49.9%	YPAQHTESFTSAISATAWSWLKVLVGGTSAFIVLGLIATAVVALVLFHRRH-----
11 sp	Q306W5.1	POLS	99.2%	48.9%	YPAQHTETFTSAVSATAWSWLKVLVGGTSAFIVLGLIATAVVALVLFTHKH-----
12 sp	Q306W7.1	POLS	99.2%	49.5%	YPAQHTETYTSAVSATAWSWLKVLVGGTSAFIVLGLIATAVVALVLFTHRH-----
13 sp	P27284.1	POLS	99.0%	48.1%	YPAQHTESFTSAISATAWSWLKVLVGGTSAFIVLGLIATAVVALVLFHRRH-----
14 sp	Q5Y388.1	POLS	99.8%	59.5%	YGASHNNQVFPDMSGTAMTWVQRVAGGLGGLTLAAVAVLILVTCVTMRR-----
15 sp	Q8QZ72.1	POLS	99.2%	58.1%	YPANHNGVTLPDLSSTAMTWAQHLAGGVGLLIALAVLILVIVTCVTLRR-----
16 sp	Q80S27.1	POLS	100.0%	57.4%	FPANHNNVVFDPFSSAVSWLTHTMGGATVIAIGITIFLIVTCIAFSRH-----
17 sp	P27285.1	POLS	98.8%	45.7%	TPHKNDQEFQAATSKTSWSWLFALFGGASSLLIIGLTIFACSMMLTSTRR-----
18 sp	P03316.1	POLS	98.8%	45.7%	TPHKNDQEFQAATSKTSWSWLFALFGGASSLLIIGLMIACSMMLTSTRR-----
19 sp	P13890.1	POLS	99.6%	57.3%	YGASHNNQVFPDMSGTAMTWVQRMASGLGGLALIAVVVLVLVTCITMRR-----
20 sp	P08491.3	POLS	99.6%	58.3%	YGASHNNQVFPDMSGTAMTWVQRLASGLGGLALIAVVVLVLVTCITMRR-----
21 sp	Q9JGK8.1	POLS	99.8%	58.7%	YGASHNNQVFPDMSGTAMTWVQRVAGGLGGLTLAAVAALILVTCVTMRR-----
22 sp	Q8JJX0.1	POLS	99.8%	33.6%	TRPRHGSDPGGYISGPAMRWAGGIVG-TLVVLFILAVIYCVKKCRSKRIRIVKS
23 sp	P03315.1	POLS	99.6%	59.3%	YAASHSNVVFDPMSGTALSWSVQKTSGGLGAFAGAILVLVVTCTIGLRR-----
24 sp	Q8QL52.1	POLS	100.0%	33.8%	ARPRHGSDTGGYISGPAMRWAGRIVGNPSGPVSSSLAVTYCVKKCRSKRIRIVKS
25 sp	P36329.1	POLS	99.0%	49.8%	HPQYHAQTFTAAVSKTAWTWLTSLLGGSAVIIIGLVLATIVAMYVLTNQKHN---
26 sp	P36330.1	POLS	99.0%	48.8%	HPQYHAQTFTAAVSKTAWTWLTSLLGGSAVIIIGLVLATIVAMYVLTNQKHN---
27 sp	P36331.1	POLS	99.0%	50.0%	HPQYHAQSFTAAVSKTAWTWLTSLLGGSAVIIIGLVLATIVAMYVLTNQKHN---
28 sp	P36332.1	POLS	99.0%	49.4%	HPQYHAQTFTAAVSKTAWTWLTSLLGGSAVIIIGLVLATIVAMYVLTNQKHN---
29 sp	P05674.1	POLS	98.8%	49.2%	HPQYHAQTFTAAVSKTAWTWLTSLLGGSAVIIIGLVLATIVAMYVLTNQKHN---
30 sp	P09592.2	POLS	98.8%	49.2%	HPQYHAQTFTAAVSKTAWTWLTSLLGGSAVIIIGLVLATIVAMYVLTNQKHN---
31 sp	P13897.1	POLS	98.8%	42.8%	EPHKVDQEFQAAVSKTSWNWLLALFGGASSLIVVGLIVLCSSMLINTRR-----
consensus/100%					.....s.....hStsupwh..h.u.....h...hhhhhhs.hh...p.....
consensus/90%					hst.psp.h..shSttuhswlt.lhGu.u.hhhhuhhhhhhshhh.htp.....
consensus/80%					ast.hsp.hhsslSttAhowlptlhGGsuhhlhluhhllhllvnhhshp+p.....
consensus/70%					aptphspthhsslSttAhowlptlhGGsusllhlullllhllvshlshp+p.....

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