

Reference sequence (1): sp|Q8JUX5.3|POL5
Identities normalised by aligned length.
Colored by: identity

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1	sp	Q8JUX5.3	POLS	100.0%	100.0%	PCTITGTMGHFILARCPKGETLVGFTDSRKLSHSC	THPFHHD	PPVIGREKFHSR	QHGKELPCSTYVQSNAATAEEIEV		
2	sp	Q5WQY5.1	POLS	100.0%	95.3%	PCTITGTMGHFILARCPKGETLVGFTDGRKLSHSC	THPFHHD	PPVIGREKFHSR	QHGKELPCSTYVQSNAATAEEIEV		
3	sp	P0DOK1.1	POLSF	100.0%	99.5%	PCTITGTMGHFILARCPKGETLVGFTDSRKLSHSC	THPFHHD	PPVIGREKFHSR	QHGKELPCSTYVQSNAATAEEIEV		
4	sp	Q5XXP3.1	POLS	100.0%	92.8%	PCTITGTMGHFILARCPKGETLVGFTDSRKLSHSC	THPFHHD	PPVIGREKFHSR	QHGKELPCSTYVQSNAATAEEIEV		
5	sp	P22056.1	POLS	100.0%	82.7%	PCTITGTMGHFILARCPKGETLVGFTDSRRLSHTCMH	PFHHEPPLIGREKFHSR	QHGKELPCSTYVHTTAATAEEIEV			
6	sp	O90371.1	POLS	100.0%	82.9%	PCTITGTMGHFILARCPKGETLVGFTDSRRLSHTCMH	PFHHEPPLIGREKFHSR	QHGKELPCSTYVHTTAATAEEIEV			
7	sp	O90369.1	POLS	100.0%	82.9%	PCTITGTMGHFILARCPKGETLVGFTDSRRLSHTCMH	PFHHEPPLIGREKFHSR	QHGKELPCSTYVHTTAATAEEIEV			
8	sp	Q86925.2	POLS	99.3%	35.9%	PCLHLSHKGYFVIVKCPPGDSITSLK-VHGS	QDTCTIPMRVGKVFVGREKYTLPPMHGTQIPCLTY	VERTREKSAGYVTM			
9	sp	P89946.2	POLS	99.3%	40.9%	PCDILATMGHFILARCPGSGQVEVSLSTDPK--LL	CRTPESFKPRFIGNEKSPAPTGHKTRIPCKTY	SHQDGLTREEITM			
10	sp	P08768.1	POLS	98.8%	38.7%	PCSLVSHHGGYILAOCPPGDTVTVGFIH-DGPNR	HCTVAHKVEFRPVGREKYRHPPEHGVELPCNRY	THKRADQGHYVEM			
11	sp	Q4QXJ7.1	POLS	98.8%	39.7%	PCSLVSHHGGYILAOCPPGDTVTVGFIH-DGPNR	HCTVAHKVEFRPVGREKYRHPPEHGVELPCNRY	THKRADQGHYVEM			
12	sp	Q306W5.1	POLS	98.8%	37.7%	PCSLVSYHGGYILAOCPPGDTVTVGFIH-DGANK	HMCITIAHKVEFRPVGREKYRHPPEHGVELPCN	KYTHKRADQGHYVEM			
13	sp	Q306W7.1	POLS	98.8%	38.4%	PCSLVSYHGGYILAOCPPGDTVTVGFIH-DGANK	HMCITIAHKVEFRPVGREKYRHPPEHGVELPC	KYTHKRADQGHYVEM			
14	sp	P27284.1	POLS	98.8%	39.7%	PCSLVSHHGGYILAOCPPGDTVTVGFIH-DGPNR	HCTVAHKVEFRPVGREKYRHPPEHGVELPCNRY	THKRADQGHYVEM			
15	sp	Q5Y388.1	POLS	99.8%	53.7%	VCAIRGTMGHFIVAYCPPGDELKVQFQDAESHTQ	ACKVQYKHAPAPVGREKFTVRPHFGIEVPCTTY	QLTTPTEETEDM			
16	sp	Q8QZ72.1	POLS	99.8%	55.4%	ECTVIGTMGHFILAKCPPGERISVSFVDSKNEH	RTCRIAYHHEQRLIGREFTVRPHHGIELPCTTY	QLTTPTEETEDM			
17	sp	Q80527.1	POLS	99.5%	51.0%	ECTVIGTMGHFIVATCPEGDSLTVAFVDKHVRH	ACRIAYKHVPVLGREHFTVRPHHGIELPCTTY	AMRTSVTTEETEM			
18	sp	P27285.1	POLS	99.3%	36.3%	PCRRLSYKGYFLLAKCPPGDSVTVSIA-SSNS	ATSCTMARKIKPKFVGREKYDLPPVHGKKIPCT	VYDRLKETTAGYITM			
19	sp	P03316.1	POLS	99.3%	36.6%	PCRRLSYKGYFLLAKCPPGDSVTVSIV-SSNS	ATSCTLARKIKPKFVGREKYDLPPVHGKKIPCT	VYDRLKETTAGYITM			
20	sp	P0DOK0.1	POLSF	99.3%	36.6%	PCRRLSYKGYFLLAKCPPGDSVTVSIV-SSNS	ATSCTLARKIKPKFVGREKYDLPPVHGKKIPCT	VYDRLKETTAGYITM			
21	sp	P17517.1	POLS	99.8%	55.2%	ACSIHGTMGHFIVAHCPPGDYLVKVSFEDADSH	VKACKVQYKHDLPLVGREKFVVRPHFGVLPCT	SYQLTTAPTDEETDM			
22	sp	P13890.1	POLS	99.8%	55.4%	ACSIHGTMGHFIVAHCPPGDYLVKVSFEDANSH	VKACKVQYKHDLPLVGREKFVVRPHFGVLPCT	SYQLTTAPTDEETDM			
23	sp	P08491.3	POLS	99.8%	56.4%	ACSIHGTMGHFIVAHCPPGDYLVKVSFEDADSH	VKACKVQYKHDLPLVGREKFVVRPHFGVLPCT	SYQLTTAPTDEETDM			
24	sp	Q9JGK8.1	POLS	99.8%	53.7%	VCAIRGTMGHFIVAYCPPGDELKVQFQDAESHTQ	ACKVQYKHAPAPVGREKFTVRPHFGIEVPCTTY	QLTTPTEETEDM			
25	sp	Q8JJX0.1	POLS	99.3%	26.2%	KCDVLQATGHYILANCPVGQSLTVAATLDGTR	HQCTTVFEHQVTEKFTRETSKGGHLSDMTKK	CTRFSTTPKKSALYLD			
26	sp	P03315.1	POLS	99.8%	57.2%	DCFVHGTMGHFILAKCPPGEFLQVSIQDTRNA	VRACRIQYHHDPPQVGREKFTIRPHYGKEIPCTTY	QQTAEETVEETDM			
27	sp	P0DJZ6.1	POLSF	99.8%	57.2%	DCFVHGTMGHFILAKCPPGEFLQVSIQDTRNA	VRACRIQYHHDPPQVGREKFTIRPHYGKEIPCTTY	QQTAEETVEETDM			
28	sp	Q8QL52.1	POLS	99.3%	25.9%	KCDVLQATGHYILANCPVGQSLTVAATLDGTR	HQCTTVFEHQVTEKFTRETSKGGHLSDLTKK	CTRFSTTPKKSALYLD			
29	sp	P36329.1	POLS	99.3%	33.9%	PCHIVDGHGYFLLARCPAGDSITMEFK-KDAV	THSCSVPYEVKFNVPVGRELYTHPPEHGAEQAC	QVYAHDAQNRGAYVEM			
30	sp	P36330.1	POLS	99.3%	33.9%	PCHIVDGHGYFLLARCPAGDSITMEFK-KDSV	THSCSVPYEVKFNVPVGRELYTHPPEHGAEQAC	QVYAHDAQNRGAYVEM			
31	sp	P36331.1	POLS	99.3%	35.9%	PCHIVDGHGYFLLARCPAGDSITMEFK-KESV	THSCSVPYEVKFNVPVGRELYTHPPEHGAEQAC	QVYAHDAQNRGAYVEM			
32	sp	P36332.1	POLS	99.3%	34.4%	PCHIVDGHGYFLLARCPAGDSITMEFK-KGSV	THSCSVPYEVKFNVPVGRELYTHPPEHGAEQAC	QVYAHDAQNRGAYVEM			
33	sp	P05674.1	POLS	99.3%	34.4%	PCHIVDGHGYFLLARCPAGDSITMEFK-KDSV	RHSCSVPYEVKFNVPVGRELYTHPPEHGV	EQACQVYAHDAQNRGAYVEM			
34	sp	P09592.2	POLS	99.3%	34.4%	PCHIVDGHGYFLLARCPAGDSITMEFK-KDSV	THSCSVPYEVKFNVPVGRELYTHPPEHGV	EQACQVYAHDAQNRGAYVEM			
35	sp	P13897.1	POLS	99.3%	37.1%	PCRRLLHGKGYFLLAOCPPGDSVTVSIT-S	GASENSCTVEKKIRRFVGREYLFPPVHGKLVK	CHVYDHLKETSAGYITM			
consensus/100%						.C.hhthhGaalls.C..Gp.lp.th.....s.h..p.....hspE.....th...C..a....t.p...l..					
consensus/90%						.CthhshhGaallApCP.G-.lphth.ttt..psCph.hcht...lgREha...P.aGhp.sCphY...tt.pst.lph					
consensus/80%						sCplhsthGaFilApCP.G-plpsth.ttt.tpsCph.a+hc...lgRE+aph.PtaGhchsCpsYtppttspst.lph					
consensus/70%						sCplhushGaFilApCPsG-oIvufp.sps.p+sCplsa+hc...lgRE+aph.PpHghElpCcssYsppstspst.l-M					

			cov	pid	161	.	2	.	.	:	240
1	sp	Q8JUX5.3	POLS	100.0%	100.0%	HM---PPDTPDRTLLSQSGNVKKTIV-NGRTV	RYKCNCGG-SNEGLITTDKVINNCKVD-QCHA	AVTNHKKWQYNSPLVP			
2	sp	Q5WQY5.1	POLS	100.0%	95.3%	HM---PPDTPDRTLLSQSGNVKKTIV-NSQT	VRYKCNCGD-SNEGLITTDKVINNCKVD-QCHA	AVTNHKKWQYNSPLVP			
3	sp	P0DOK1.1	POLSF	100.0%	99.5%	HM---PPDTPDRTLLSQSGNVKKTIV-NSQT	VRYKCNCGG-SNEGLITTDKVINNCKVD-QCHA	AVTNHKKWQYNSPLVP			
4	sp	Q5XXP3.1	POLS	100.0%	92.8%	HM---PPDTPDRTLLSQSGNVKKTIV-NGQT	VRYKCNCGG-SNEGLITTDKVINNCKVD-QCHA	AVTNHKKWQYNSPLVP			
5	sp	P22056.1	POLS	100.0%	82.7%	HM---PPDTPDRTLLSQSGNVKKTIV-DGQT	VRYKCNCGD-SNEGLITTDKVINNCKVD-QCH	AVTNHKKWQYNSPLVP			

6	sp	090371.1	POLS	100.0%	82.9%
7	sp	090369.1	POLS	100.0%	82.9%
8	sp	Q86925.2	POLS	99.3%	35.9%
9	sp	P89946.2	POLS	99.3%	40.9%
10	sp	P08768.1	POLS	98.8%	38.7%
11	sp	Q4QXJ7.1	POLS	98.8%	39.7%
12	sp	Q306W5.1	POLS	98.8%	37.7%
13	sp	Q306W7.1	POLS	98.8%	38.4%
14	sp	P27284.1	POLS	98.8%	39.7%
15	sp	Q5Y388.1	POLS	99.8%	53.7%
16	sp	Q8QZ72.1	POLS	99.8%	55.4%
17	sp	Q80S27.1	POLS	99.5%	51.0%
18	sp	P27285.1	POLS	99.3%	36.3%
19	sp	P03316.1	POLS	99.3%	36.6%
20	sp	P0DOK0.1	POLSF	99.3%	36.6%
21	sp	P17517.1	POLS	99.8%	55.2%
22	sp	P13890.1	POLS	99.8%	55.4%
23	sp	P08491.3	POLS	99.8%	56.4%
24	sp	Q9JGK8.1	POLS	99.8%	53.7%
25	sp	Q8JJX0.1	POLS	99.3%	26.2%
26	sp	P03315.1	POLS	99.8%	57.2%
27	sp	P0DJZ6.1	POLSF	99.8%	57.2%
28	sp	Q8QL52.1	POLS	99.3%	25.9%
29	sp	P36329.1	POLS	99.3%	33.9%
30	sp	P36330.1	POLS	99.3%	33.9%
31	sp	P36331.1	POLS	99.3%	35.9%
32	sp	P36332.1	POLS	99.3%	34.4%
33	sp	P05674.1	POLS	99.3%	34.4%
34	sp	P09592.2	POLS	99.3%	34.4%
35	sp	P13897.1	POLS	99.3%	37.1%
consensus/100%					
consensus/90%					
consensus/80%					
consensus/70%					

HM	---	PPDTPDYTLMTQQAGN	KITV-DGQTVRYKCKCDG-SNEGLITTDKVINNCKVD-CCHTAVTNHKKWQYNSPLTP
HM	---	PPDTPDYTLMTQQAGN	KITV-DGQTVRYKCKCDG-SNEGLITTDKVINNCKVD-CCHTAVTNHKKWQYNSPLTP
HR	---	PGQQSITMLMEESGGEV	VVQPTSGRNVITYECKCG-DFKTGTVTARTKIDGCTERKQCIAISADHVKWVFNSPLTI
HV	---	PPDVPIQGLVNTGKSYSLDP	-KTKTKYKCTCGETVKEGTATNKITLFCNDTAPKCITYAVDNTVWQYNSQYVP
HQ	---	PGLVGDSLLSIHSAKVKITV	PSGAQVKYYCKCP--DVREGITSSDHTTCTDVKCCRAYLIDNKKWVYNSGRLP
HQ	---	PGLVADHSLLSIHSAKVKITV	PSGAQVKYYCKCP--DVREGITSSDHTTCTDVKCCRAYLIDNKKWVYNSGRLP
HQ	---	PGLVADHSLLSSTTKVKITV	PSGSQVKYYCKCP--DVQEGTSGDHTTCTDLKCCRAYLIDNKKWVFNSGKLP
HQ	---	PGLVADHSLSMSSTTKVKITV	PSGSQVKYYCKCP--DVKEGTGSDYTACTDLKCCRAYLIDNKKWVYNSGKLP
HQ	---	PGLVADHSLLSIHSAKVKITV	PSGAQVKYYCKCP--DVREGITSSDHTTCTDVKCCRAYLIGNKKWVYNSGRLP
HT	---	PPDIPDITLLSQSGNVKITA	-GGKTIIRYNCTCGS-GNVGTTSSDKTINSCKIA-CCHAAVTNHDKWOYTSSFVP
HM	---	PPDIPDRTLLSQSGNVKITV	-NGRTIRYSSSCGS-QAVGTTTDDKTIINSCTVD-KCQAVTSHIKWQFNSPFVP
HV	---	AHDVPDNTFLSKTGKVKITP	-KGKSIRYNCTCGS-KESGVTKQDKEFDNCEVS-CCHTMVTAHDKWQFNSPVVP
HR	---	PGPHAYTSYLEESSGKVYAKPPSGKNITYE	CKCG-DYKTGTVTTRTEITGCTAIKOCVAYKSDQTKWVFNSPLTI
HR	---	PRPHAYTSYLEESSGKVYAKPPSGKNITYE	CKCG-DYKTGTVSTRTEITGCTAIKOCVAYKSDQTKWVFNSPLTI
HR	---	PRPHAYTSYLEESSGKVYAKPPSGKNITYE	CKCG-DYKTGTVSTRTEITGCTAIKOCVAYKSDQTKWVFNSPLTI
HT	---	PPDIPDRTLLSQTAGNVKITA	-GGRTIRYNCTWGR-DNVGTTSTDKTINACKIID-CCHAAVTSHDKWQFTSPFVP
HT	---	PPDIPDRTLLSQTAGNVKITA	-GGRTIRYNCTCGR-DNVGTTSTDKTINTCKIID-CCHAAVTSHDKWQFTSPFVP
HT	---	PPDIPDRTLLSQTAGNVKITA	-GGRTIRYNCTCGR-DNVGTTSTDKTINTCKIID-CCHAAVTSHDKWQFTSPFVP
HT	---	PPDIPDITLLSQSGDNVKITA	-GGKTIIRYNCTCGS-GNVGTTSSDKTINSCKIA-CCHAAVTNHDKWOYTSSFVP
VYDAL	PTSVEISTVVTCSDSQCTVRVPPGTTVKFDKCKNAAKE	TVFTSDSQFTCEEPVLTAA	SITQCKPHLRSSMLP
HM	---	PPDTPDRTLLSQSGNVKITV	-GGKKVKYNCTCGT-GNVGTTNSDMTINTCLIE-CCHVSVTDHKKWQFNSPFVP
HM	---	PPDTPDRTLLSQSGNVKITV	-GGKKVKYNCTCGT-GNVGTTNSDMTINTCLIE-CCHVSVTDHKKWQFNSPFVP
VYDAL	PTSVEISTVVTCTNERQCTVRVPPGTTVKFDKCKNAAKE	TVFTSDSQFTCEEPVLTAA	SITQCKPHLRSSMLP
HL	---	PGSEVDSSLVSLSGSSVTVP	PAGTSALVECECGGTKISETINTAKQFSQCTKKECCRAYRLQNDKWVYNSDKLP
HL	---	PGSEVDSSLVSLSGSSVTVP	PAGTSALVECECGGTTISKTIKNTKQFSQCTKKECCRAYRLQNDKWVYNSDKLP
HL	---	PGSEVDSTLLSTSGSSVHTVP	PAGQSVLVECECGGTKISETINSAKQYSQCSKTACCRAYRTQNDKWVYNSDKLP
HL	---	PGSEVDSSLVSLSGSSVTVP	PPVGTSALVKCKCGGTKISETINKAKQFSQCTKKECCRAYRLQNDKWVYNSDKLP
HL	---	PGSEVDSSLVSLSGSSVTVP	PPDGTALVECECGGTKISETINKTKQFSQCTKKECCRAYRLQNDKWVYNSDKLP
HL	---	PGSEVDSSLVSLSGSSVTVP	PPVGTSALVECECGGTKISETINKTKQFSQCTKKECCRAYRLQNDKWVYNSDKLP
HR	---	PGPHAYKSYLEEASGEVYIKPPSGKNITYE	CKCG-DYSTGIVSTRKMNCGTKAKCCIAAYKSDQTKWVFNSPLTI
h....s.....hhp.ttt.h.hps..stphhh.pph.....thh.tt.....s.....h.s...tp...hpS..h.			
H....P...s...ohhp.puspvhlp.sgpphhh.CpCs.....thhsptp.hstCp...pChshh.pppKW.asSs.l.			
Hh...Psshs.pollo.puupvpplss.sgpslpapCpCs..t..thsssp.hstCp...CCpAhhsppKW.aNsshlp			
Hh...PsshsDpo.lloppuupvpplts.sgpslpCpCut.t.ptshsoscphssCpht.CC+AhhsppKW.aNsshlp			

			cov	pid	241	:	3	.	320
1	sp	Q8JUX5.3	POLS	100.0%	100.0%	RNAELGDRKGKIHI	PF	PLANVT	CMVPKARNPTV	YTGKNQVIMLLYP	PDHPTLLSYRSMGEE	FN	YQEEWVTHKKEVVLTVPT
2	sp	Q5WQY5.1	POLS	100.0%	95.3%	RNVELGDRKGKIHI	PF	PLANVT	CRGPKARNPTV	YTGKNQVIMLLYP	PDHPTLLSYRNMGEE	FN	YQEEWVTHKKEVRLTVPT
3	sp	P0DOK1.1	POLSF	100.0%	99.5%	RNAELGDRKGKIHI	PF	PLANVT	CMVPKARNPTV	YTGKNQVIMLLYP	PDHPTLLSYRSMGEE	FN	YQEEWVTHKKEVVLTVPT
4	sp	Q5XXP3.1	POLS	100.0%	92.8%	RNAELGDRKGKIHI	PF	PLANVT	CRVPKARNPTV	YTGKNQVIMLLYP	PDHPTLLSYRNMGEE	FN	YHEEWVTHKKEVTLTVPT
5	sp	P22056.1	POLS	100.0%	82.7%	RNSEQGRKGKIHI	PF	LVNTT	CRVPKARNPTV	YTGKNRVTL	LLHPDHPTLLSYRAMGRIP	DYHEEWIT	TKKEISITVPA
6	sp	090371.1	POLS	100.0%	82.9%	RNSEQGRKGKIHI	PF	LVNTT	CRVPKARNPTV	YTGKNRVTL	LLYPDHPTLLSYRAMGRIP	DYHEEWIT	SKKEISITVPA
7	sp	090369.1	POLS	100.0%	82.9%	RNSEQGRKGKIHI	PF	LVNTT	CRVPKARNPTV	YTGKNRVTL	LLYPDHPTLLSYRSMGRIP	DYHEEWIT	SKKEISITVPA
8	sp	Q86925.2	POLS	99.3%	35.9%	R-HTDHTAQQKLH	IP	F	LQQAQCTVPLAHL	PGVKHAYRSMSTLTHAEHPTLLTTRHL	GENPQPTAEWIVGSVTRNFSITI		
9	sp	P89946.2	POLS	99.3%	40.9%	R-SEVTEVKGKIH	VP	FL	TDSTCAVSVAPEQVYRLGEVEFHFPMPYPTLFSIRSLGKDP	SHSQEWIDTPMSKTIQVGA			
10	sp	P08768.1	POLS	98.8%	38.7%	R-GEGDTFKGKLH	VP	F	VPVKAKCIATLAPEL	VEHKHRTLILHLHPDHPTLLTTRSLSGDANPTRQWIERPTTVNFTVTG			
11	sp	Q4QXJ7.1	POLS	98.8%	39.7%	R-GEGDTFKGKLH	VP	F	VPVKAKCIATLAPEL	VEHKHRTLILHLHPDHPTLLTTRSLSGDANPTRQWIERPTTVNFTVTG			

R-GEGETFGKGLHVPFVPVTSKCTATLAPEPLVEHKHRSLLHLHPEHPTLLTTRALGNDARPTRQWIDQPTTNFTVTG
R-GEGETFGKGLHVPFVPVTSKCTATLAPEPLVEHKHRSVLHLHPEHPTLLTTRALGNSNARPTRQWIEQPTTNFTVTG
R-GEGETFGKGLHVPFVPVTSKCTATLAPEPLVEHKHRTLLHLHPEHPTLLTTRALGSDANPTROWIERPTTNFTVTG
R-ADQLSRKGVHVPFPLTNSICRVPLARAPGVTYGKRELTVKLHPDHTLLTYRSLGADPRPYEEWIDRYVERTIPVTE
R-RMQAERKGVHVPFPLTNSICRVPLARAPGVTYGKRELTVKLHPDHTLLTYRSLGADPRPYEEWIDRYVERTIPVTE
R--AGSGKKGKTHVPFPLSNSICRVPLARAPGVTYGKRELTVKLHPDHTLLTYRSLGADPRPYEEWIDRYVERTIPVTE
R-HADHTAQGKLHLPFKLIPSTCMVPVAHAPNVIHGFKHISLQLDTHLTLTTRRLGANPEPTTEWIVGKTVRNFTVDR
R-HDDHTAQGKLHLPFKLIPSTCMVPVAHAPNVIHGFKHISLQLDTHLTLTTRRLGANPEPTTEWIVGKTVRNFTVDR
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R-ADQARKGVHVPFPLTNSICRVPLARAPGVTYGKRELTVKLHPDHTLLTYRSLGADPRPYEEWIDRYVERTIPVTE
S--GGKEVKARIPFPFPPEATICRVSVAPLPSITYEESDVLLAGTAKYPVLLTTRNLGFHNSATSEWIQGKYLRRIPTVP
R-ADEPARKGVHVPFPLDNIICRVPMAREPTVIHGKRELTVKLHPDHTLLTYRSLGADPRPYEEWIDRYVERTIPVTE
R-ADEPARKGVHVPFPLDNIICRVPMAREPTVIHGKRELTVKLHPDHTLLTYRSLGADPRPYEEWIDRYVERTIPVTE
S--GGKEVKARIPFPFPPEATICRVSVAPLPSITYEESDVLLAGTAKYPVLLTTRNLGFHNSATSEWIQGKYLRRIPTVP
K-AAGATLKGKGLHVPFLLADGKCTVPLAPEPMITFGFRSVSLKLHPKNPYTLTTRQLADEPHYTHELISEPVVRNFSVTE
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R-HTDHSVQGLHVPFLLADGKCTVPLAPEPMITFGFRSVSLKLHPKNPYTLTTRQLADEPHYTHELISEPVVRNFSVTE
p.....hpu+1.hPF.....C.sshA.s.h.....tth.h.h.s.....s.h.hRths.....tph1.t...h.h.ls.
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+.ttttshKGKGLHVPF.LssspChVshA.tp..lpathpp1.LtLaPcapTLLohRphtGtpsp.ppEWlst.h.hshsvst
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4 400

EGLEVTWGNNEPYKYWPQL-SANGTAHGHPHEIILYYE LYPTMTVVVVSVASFILLS MVGMAVGMCMCA RRRRCITPYEL

EGLEVTWGNNEPYKYWPQL-STNGTAHGHPHEIILYYE LYPTMTVVVVSVASFVLLS MVGVAVGMCMCA RRRRCITPYEL

EGLEVTWGNNEPYKYWPQL-SANGTAHGHPHEIILYYE LYPTMTVVVVSVASFILLS MVGMAVGMCMCA RRRRCITPYEL

EGLEVTWGNNEPYKYWPQM-STNGTAHGHPHEIILYYE LYPTMTVVIIVSVASFVLLS MVGTAVGMCMCA RRRRCITPYEL

EGLEVTWGNNDPYKYWPQL-STNGTAHGHPHEIILYYE LYPTTTIAVLAAASIVITSLVGLSLGMCICARRRCITPYEL

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EGLEVTWGNNDPYKYWPQL-STNGTAHGHPHEIILYYE LYPTTTIAVLAAASIVVASLVSLSLGMCICARRRCITPYEL

QGF EYTWGNQKPVRYVAQE-SAPGNPHGWPHETVRHYHLYPFYTVT VLSGMGLAICAGLVISILCCCKARRDCLTPYQL

EGVEYVWGNNNPVRLWAQK-SSSSAHGNPISIVSHYYDLYPYWTITVLASLGLLIVISSGFSCFLCSVARTKCLTPYQL

EGLEYTWGNHPPKRVWAQE-SGEGNPHGWPHVVVVYYNRYPLTTIIGLCTCVAIIMVSCDHPCGSFSGLRNLCITPYKL

EGLEYTWGNHPPKRVWAQE-SGEGNPHGWPHVVVVYYNRYPLTTIIGLCTCVAIIMVSCVTSVWLLCRTNLCITPYKL

EGFEYTWGNHPPKRVWAQE-SGEGNPHGWPHVVIIYYNRYPMTTIVGLCTCAAIIMVSCITSVWLLCRTNLCITPYRL

EGFEYTWGNHPPKRVWAQE-SGEGNPHGWPHETVVIYYNRYPMTTIVGLCTCVAIIMVSCVTSVWLLCRTNLCITPYRL

EGLEYTWGNHPPKRVWAQE-SGEGNPHGWPHVVVVYYNRYPLTTIIGLCTCVAIIMVSCVHPCGSFAGLRNLCITPYKL

DGIEYVRAGNNPPVRLWAQL-TTEGKPHGWPHETIILYYGLYPAATIAAVSAAGLAVVLSLLASCYMFATARRKCLTPYAL

EGVEYQWGNHKKPQRFVVAL-TTEGKAHGWPHETIEIYYGLHPTTTIVVIVRVSVVVLLSFAASVYMCVVARTKCLTPYAL

EGLEYTWGNHAPVRLWAQL-TTKGSAHGMPHETFSYYGYLPATTVAVCVGLACVILLALSASCCLCVSARNKCLTPYAL

18	sp	P27285.1	POLS	99.3%	36.3%
19	sp	P03316.1	POLS	99.3%	36.6%
20	sp	P0DOK0.1	POLSF	99.3%	36.6%
21	sp	P17517.1	POLS	99.8%	55.2%
22	sp	P13890.1	POLS	99.8%	55.4%
23	sp	P08491.3	POLS	99.8%	56.4%
24	sp	Q9JGK8.1	POLS	99.8%	53.7%
25	sp	Q8JJX0.1	POLS	99.3%	26.2%
26	sp	P03315.1	POLS	99.8%	57.2%
27	sp	P0DJZ6.1	POLSF	99.8%	57.2%
28	sp	Q8QL52.1	POLS	99.3%	25.9%
29	sp	P36329.1	POLS	99.3%	33.9%
30	sp	P36330.1	POLS	99.3%	33.9%
31	sp	P36331.1	POLS	99.3%	35.9%
32	sp	P36332.1	POLS	99.3%	34.4%
33	sp	P05674.1	POLS	99.3%	34.4%
34	sp	P09592.2	POLS	99.3%	34.4%
35	sp	P13897.1	POLS	99.3%	37.1%
consensus/100%					
consensus/90%					
consensus/80%					
consensus/70%					

DGL EY I W G N H E P V R V Y A Q E - S A P G D P H G W P H E I V Q H Y Y H R H P V Y T I L A V A S A A V A M M I G V T V A A L C A C K A R R E C L T P Y A L
 DGL EY I W G N H E P V R V Y A Q E - S A P G D P H G W P H E I V Q H Y Y H R H P V Y T I L A V A S A T V A M M I G V T V A V L C A C K A R R E C L T P Y A L
 DGL EY I W G N H E P V R V Y A Q E - S A P G D P H G W P H E I V Q H Y Y H R H P V Y T I L A V A S A T V A M M I G V T V A V L C A C K A R R E C L T P Y A L
 E G X E Y Q W G N N P P V R L W A X L - T T E G K P H G W P H E I I Q Y Y Y G L Y P A A T I A A V S G X S L M A L L T L A A T C C M L A T A R R K C L T P Y A L
 E G I E Y Q W G N N P P V R L W A Q L - T T E G K P H G W P H E I I Q Y Y Y G L Y P A A T I A A V S G A S L M A L L T L A A T C C M L A T A R R K C L T P Y A L
 E G I E Y Q W G N N P P V R L W A Q L - T T E G K P H G W P H E I I Q Y Y Y G L Y P A A T I A A V S G A S L M A L L T L A A T C C M L A T A R R K C L T P Y A L
 D G I E Y R W G N N P P V R L W A Q L - T T E G K P H G W P H E I I L Y Y Y G L Y P A A T I A A V S A A G L A V V L S L L A S C Y M F A T A R R K C L T P Y A L
 Q G I E L T W G N N A P M H F W S S V R Y A S G D A D A Y P W E L L V Y H T K H H P E Y A W A F V G V A C G L L A I A A C M F A C A C S R V R Y S L V A N T F N
 D G M E Y H W G N N D P V R L W S Q L - T T E G K P H G W P H E I V Q Y Y Y G L Y P A A T V S A V V G M S L L A L I S I F A S C Y M L V A A R S K C L T P Y A L
 D G M E Y H W G N N D P V R L W S Q L - T T E G K P H G W P H E I V Q Y Y Y G L Y P A A T V S A V V G M S L L A L I S I F A S C Y M L V A A R S K C L T P Y A L
 Q G I E L M L G N N A P L H F W S S V R Y A S G D A D A Y P W E L L V H H I K H H P E Y A W A F V G V A C G L L A V A A C M F A C A C N R V R Y S L L A N T F N
 K G W E F V W G N H P P K R F W A Q E - T A P G N P H G L P H E V I T H Y Y H R Y P M S T I L G L S I C A A I V T V S I A A S T W L L C K S R V S C L T P Y R L
 K G W E F V W G N H P P K R F W A Q E - T A P G N P H G L P H E V I T H Y Y H R Y P M S T I T G L S I C A A I V A V S I A A S T W L L C R S R A S C L T P Y R L
 K G W E F V W G N H P P Q R Y W S Q E - T A P G N P H G L P H E V I T H Y Y H R Y P M S T I L G L S I C A A I V T T S I A A S V W L F C K S R I S C L T P Y R L
 K G W E F V W G N H P P K R F W A Q E - T A P G N P H G L P H E V I T H Y Y H R Y P M S T I L G L S I C A A I V T V S I A A S T W L F C K S R V S C L T P Y R L
 K G W E F V W G N H P P K R F W A Q E - T A P G N P H G L P H E V I T H Y Y H R Y P M S T I L G L S I C A A I A T V S I A A S T W L F C R S R V A C L T P Y R L
 K G W E F V W G N H P P K R F W A Q E - T A P G N P H G L P H E V I T H Y Y H R Y P M S T I L G L S I C A A I A T V S I A A S T W L F C R S R V A C L T P Y R L
 E G L E Y V W G N H E P V R V W A Q E - S A P G D P H G W P H E I I H Y Y H R H P V Y T V I V L C G V A L A I L V G T A S S A A C I A K A R R D C L T P Y A L
 pG.Eh.hGnp.P.+hhs....s.upscu.Ph.lh.aahthaP..sh.hh...shhhh.....hh.h...R..hlssh..
 cGhEh.WGnp.Ph+hasp..os.GpsHGhPhp1l.aYythPhh.Tlhs1s.hshhhh..hhhshhhh.tsR..ClTPYtL
 cGhEhHhGnp.Ph+hhsQ..os.GpsHGhPhE1l.aYythPhhTlhs1sssshhhhhshshushhshspurtpClTPYtL
 -GhEahhGnpshRhuQ..os.GssHGhPhE1l.aYythPhhTlhs1ussuh1lhlulshushhshspurppClTPYtL

			cov	pid	401	.] 415
1	sp	Q8JUX5.3	POLS	100.0%	100.0%	TPGATVPFLLSLICC	
2	sp	Q5WQY5.1	POLS	100.0%	95.3%	TPGATVPFLLSLICC	
3	sp	P0DOK1.1	POLSF	100.0%	99.5%	TPGATVPFLLSLICC	
4	sp	Q5XXP3.1	POLS	100.0%	92.8%	TPGATVPFLLSLICC	
5	sp	P22056.1	POLS	100.0%	82.7%	TPGATVPFLLGVLCC	
6	sp	090371.1	POLS	100.0%	82.9%	TPGATVPFLLGILCC	
7	sp	090369.1	POLS	100.0%	82.9%	TPGATVPFLLGVLCC	
8	sp	Q86925.2	POLS	99.3%	35.9%	APNAVVPFLVTLCC	
9	sp	P89946.2	POLS	99.3%	40.9%	APGAQLPTFIALCC	
10	sp	P08768.1	POLS	98.8%	38.7%	APNAQVPIILLALLCC	
11	sp	Q4QXJ7.1	POLS	98.8%	39.7%	APNAQVPIILLALLCC	
12	sp	Q306W5.1	POLS	98.8%	37.7%	APNAQVPIILLAVLCC	
13	sp	Q306W7.1	POLS	98.8%	38.4%	APNAQVPIILLAVLCC	
14	sp	P27284.1	POLS	98.8%	39.7%	APNAQVPIILLALLCC	
15	sp	Q5Y388.1	POLS	99.8%	53.7%	TPGAVVPVTLGVLCC	
16	sp	Q8QZ72.1	POLS	99.8%	55.4%	TPGAVVPVTIGVLCC	
17	sp	Q80527.1	POLS	99.5%	51.0%	TPGAVVPCTLSLLCC	
18	sp	P27285.1	POLS	99.3%	36.3%	APNAVIPTSLALLCC	
19	sp	P03316.1	POLS	99.3%	36.6%	APNAVIPTSLALLCC	
20	sp	P0DOK0.1	POLSF	99.3%	36.6%	APNAVIPTSLALLCC	
21	sp	P17517.1	POLS	99.8%	55.2%	TPGAVVPLTLGLXXC	
22	sp	P13890.1	POLS	99.8%	55.4%	TPGAVVPLTLGLLXC	
23	sp	P08491.3	POLS	99.8%	56.4%	TPGAVVPLTLGLLCC	

24	sp	Q9JGK8.1	POLS	99.8%	53.7%	T	P	G	A	V	P	V	T	L	G	V	L	C	C
25	sp	Q8JJX0.1	POLS	99.3%	26.2%	S	N	P	P	P	L	T	A	L	T	A	A	L	C
26	sp	P03315.1	POLS	99.8%	57.2%	T	P	G	A	A	V	P	W	T	L	G	I	L	C
27	sp	P0DJZ6.1	POLSF	99.8%	57.2%	T	P	G	A	A	V	P	W	T	L	G	I	L	C
28	sp	Q8QL52.1	POLS	99.3%	25.9%	P	N	P	P	P	L	T	A	L	T	A	A	L	C
29	sp	P36329.1	POLS	99.3%	33.9%	T	P	N	A	R	M	P	L	C	L	A	V	L	C
30	sp	P36330.1	POLS	99.3%	33.9%	T	P	N	A	K	M	P	L	C	L	A	V	L	C
31	sp	P36331.1	POLS	99.3%	35.9%	T	P	N	A	R	M	P	L	C	L	A	V	L	C
32	sp	P36332.1	POLS	99.3%	34.4%	T	P	N	A	R	M	P	L	C	L	A	V	L	C
33	sp	P05674.1	POLS	99.3%	34.4%	T	P	N	A	R	I	P	F	C	L	A	V	L	C
34	sp	P09592.2	POLS	99.3%	34.4%	T	P	N	A	R	I	P	F	C	L	A	V	L	C
35	sp	P13897.1	POLS	99.3%	37.1%	A	P	N	A	T	V	P	T	A	L	A	V	L	C
consensus/100%						s	s	s	s	.	h	s	h	.	h	s	h	.	C
consensus/90%						s	P	s	A	.	h	P	h	h	L	u	L	L	C
consensus/80%						s	P	s	A	.	L	P	h	h	L	u	L	L	C
consensus/70%						s	P	s	A	.	h	L	P	h	h	L	u	L	C

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