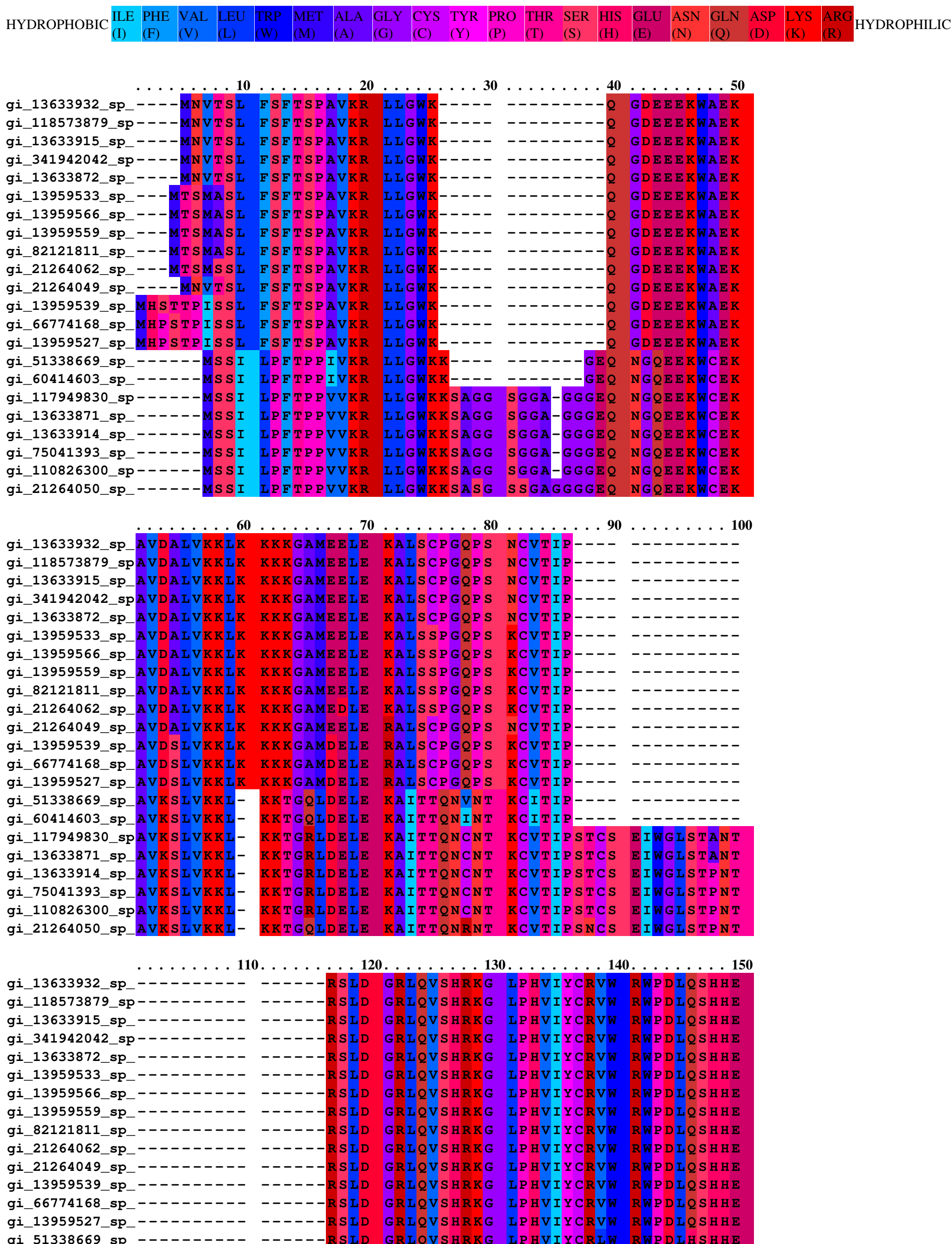


The current colourscheme of the alignment is for **hydrophobicity**.

The hydrophobicity scale used is from Eisenberg *et al* (1984) Abstract
The colour assignments **from hydrophobic to hydrophilic** are:



```

gi_60414603_sp  -----RSLD  GRLQVSHRKG  LPHVIYCRLW  RWPDLHSHHE
gi_117949830_sp VDWDTTGLY  SFSEQTRSLD  GRLQVSHRKG  LPHVIYCRLW  RWPDLHSHHE
gi_13633871_sp  VDWDTTGLY  SFSEQTRSLD  GRLQVSHRKG  LPHVIYCRLW  RWPDLHSHHE
gi_13633914_sp  IDQWDTTGLY  SFSEQTRSLD  GRLQVSHRKG  LPHVIYCRLW  RWPDLHSHHE
gi_75041393_sp  IDQWDTTGLY  SFSEQTRSLD  GRLQVSHRKG  LPHVIYCRLW  RWPDLHSHHE
gi_110826300_sp IDQWDTTGLY  SFSEQTRSLD  GRLQVSHRKG  LPHVIYCRLW  RWPDLHSHHE
gi_21264050_sp  IEQWDTSGLY  SYPDQTRSLD  GRLQVSHRKG  LPHVIYCRLW  RWPDLHSHHE

```

```

      . . . . . 160. . . . . 170. . . . . 180. . . . . 190. . . . . 200
gi_13633932_sp  LKPLECCEFP  FGSKQKEVCI  NPYHYKRVES  PVLPPVLVPR  HSEYNPQHSL
gi_118573879_sp LKPLECCEFP  FGSKQKEVCI  NPYHYKRVES  PVLPPVLVPR  HSEYNPQHSL
gi_13633915_sp  LKPLECCEFP  FGSKQKEVCI  NPYHYKRVES  PVLPPVLVPR  HSEYNPQHSL
gi_341942042_sp LKPLECCEFP  FGSKQKEVCI  NPYHYKRVES  PVLPPVLVPR  HSEYNPQHSL
gi_13633872_sp  LKPLECCEFP  FGSKQKEVCI  NPYHYKRVES  PVLPPVLVPR  HSEYNPQHSL
gi_13959533_sp  LKPLDICEFP  FGSKQKEVCI  NPYHYKRVES  PVLPPVLVPR  HNEFNPQHSL
gi_13959566_sp  LKPLDICEFP  FGSKQKEVCI  NPYHYKRVES  PVLPPVLVPR  HNEFNPQHSL
gi_13959559_sp  LKPLDICEFP  FGSKQKEVCI  NPYHYKRVES  PVLPPVLVPR  HNEFNPQHSL
gi_82121811_sp  LKPLDICEFP  FGSKQKEVCI  NPYHYKRVES  PVLPPVLVPR  HSEFNPQHSL
gi_21264062_sp  LKPLEVCEYP  FGSKQKEVCI  NPYHYKRVES  PVLPPVLVPR  HSEFNPQHSL
gi_21264049_sp  LKALECCEFP  FGSKQKDVCI  NPYHYKRVD  PVLPPVLVPR  NSEFNAKLSM
gi_13959539_sp  LKPLECCEFP  FGSKQKEVCI  NPYHYRRVET  PVLPPVLVPR  HSEYNPQLSL
gi_66774168_sp  LKPLECCEFP  FGSKQKEVCI  NPYHYRRVET  PVLPPVLVPR  HSEYNPQLSL
gi_13959527_sp  LKPLECCEFP  FGSKQKEVCI  NPYHYRRVET  PVLPPVLVPR  HSEYNPQLSL
gi_51338669_sp  LRAMELCEFA  FNMKKDEVCV  NPYHYQRVET  PVLPPVLVPR  HTEIPAEPFP
gi_60414603_sp  LRAMEMCEYA  FNMKKDEVCV  NPYHYQRVET  PVLPPVLVPR  HTEIPAEPFP
gi_117949830_sp LKAIENCEYA  FNLKKDEVCV  NPYHYQRVET  PVLPPVLVPR  HTEILTELPP
gi_13633871_sp  LKAIENCEYA  FSLKKDEVCV  NPYHYQRVET  PVLPPVLVPR  HTEILTELPP
gi_13633914_sp  LKAIENCEYA  FNLKKDEVCV  NPYHYQRVET  PVLPPVLVPR  HTEILTELPP
gi_75041393_sp  LKAIENCEYA  FNLKEDEVCV  NPYHYQRVET  PVLPPVLVPR  HTEILTELPP
gi_110826300_sp LKAIENCEYA  FNLKKDEVCV  NPYHYQRVET  PVLPPVLVPR  HTEILTELPP
gi_21264050_sp  LRAIETCEYA  FNLKKDEVCV  NPYHYQRVET  PVLPPVLVPR  HTEILTELPP

```

```

      . . . . . 210. . . . . 220. . . . . 230. . . . . 240. . . . . 250
gi_13633932_sp  LAQFRN-LGQ  NEPHMPHNAT  FPD SFQQ-P-  NSHPF-PHSP  NSSYPNSPGS
gi_118573879_sp LAQFRN-LGQ  NEPHMPLNAT  FPD SFQQ-P-  NSHPF-PHSP  NSSYPNSPGS
gi_13633915_sp  LAQFRN-LGQ  NEPHMPLNAT  FPD SFQQ-P-  NSHPF-PHSP  NSSYPNSPGS
gi_341942042_sp LAQFRN-LGQ  NEPHMPLNAT  FPD SFQQ-P-  NSHPF-PHSP  NSSYPNSPGG
gi_13633872_sp  LAQFRN-LGQ  NEPHMPLNAT  FPD SFQQ-P-  HSHPF-AQYP  NSSYPNSPGS
gi_13959533_sp  LVQFRN-LSH  NEPHMPQONAT  FPD SFHQ-P-  NSTPF-PLSP  NSPYPPSP-A
gi_13959566_sp  LVQFRN-LSH  NEPHMPQONAT  FPD SFHQ-P-  NNTPF-PLSP  NSPYPPSP-A
gi_13959559_sp  LVQFRN-LSH  NEPHMPQONAT  FPD SFHQ-P-  NNAPF-PLSP  NSPYPPSP-A
gi_82121811_sp  LVQFRN-LSH  NEPHMPHNAT  FPD SFQQ-P-  NSTPF-SISP  NSPYPPSP-A
gi_21264062_sp  LVQFRN-LSH  NEPHMPLNAT  FPD SFQQHS-  GGSSF-FISP  NSPYPPSP-A
gi_21264049_sp  LPRFRNPLHQ  TEPPMPQONAT  FPD SFQQPA  NALPFTPNSP  TNSYPSSPNS
gi_13959539_sp  LAKFRSASLH  SEPLMPHNAT  YPD SFQQ---  PPCSALPPSP  SHAFSQSP--
gi_66774168_sp  LAKFRSASLH  SEPLMPHNAT  YPD SFQQ---  SLCPAPPSSP  GHVFPQSP--
gi_13959527_sp  LAKFRSASLH  SEPLMPHNAT  YPD SFQQ---  SLGPAPPSSP  GHVFPQSP--
gi_51338669_sp  LDDY-----SH  S---IPENTN  FPAGIE-----  -----P  QSN-----
gi_60414603_sp  LDDY-----SH  S---IPENTN  FPAGIE-----  -----P  QSNY-----
gi_117949830_sp LDDY-----TH  S---IPENTN  FPAGIE-----  -----P  QSNY-----
gi_13633871_sp  LDDY-----TH  S---IPENTN  FPAGIE-----  -----P  QSNY-----
gi_13633914_sp  LDDY-----TH  S---IPENTN  FPAGIE-----  -----P  QSNY-----
gi_75041393_sp  LDDY-----TH  S---IPENTN  FPAGIE-----  -----P  QSNY-----
gi_110826300_sp LDDY-----TH  S---IPENTN  FPAGIE-----  -----P  QSNY-----
gi_21264050_sp  LDDY-----TN  S---IPENTN  FPTGIE-----  -----P  PNNY-----

```

```

      . . . . . 260. . . . . 270. . . . . 280. . . . . 290. . . . . 300
gi_13633932_sp  ---SSSTYPH  SPAS-SDPGS  PFQMPADTPP  PAYLPPE-DQ  MTHDTSQPM
gi_118573879_sp ---SSSTYPH  SPTS-SDPGS  PFQMPADTPP  PAYLPPE-DP  MTQDGSQPM
gi_13633915_sp  ---SSSTYPH  SPTS-SDPGS  PFQMPADTPP  PAYLPPE-DP  MTQDGSQPM
gi_341942042_sp ---SSSTYPH  SPTS-SDPGS  PFQMPADTPP  PAYLPPE-DP  MAQDGSQPM
gi_13633872_sp  ---SSSTYPH  SPTS-SDPGS  PFQMPADTPP  PAYLPPE-DP  MAQDGSQPM
gi_13959533_sp  ---SS-TYPN  SPAS-SGPGS  PFQLPADTPP  PAYMPPD-DQ  MGQDNSQPM
gi_13959566_sp  ---SS-TYPN  SPAS-SGPGS  PFQLPADTPP  PAYMPPD-DQ  MGQDNSQPM
gi_13959559_sp  ---SS-TYPN  SPAS-SGPGS  PFQLPADTPP  PAYMPPD-DQ  MAPDNSQPM
gi_82121811_sp  ---SS-TYPS  SPAS-SGPSS  PFQLPADTPP  PAYMPPD-DQ  MGQDNSQSM
gi_21264062_sp  ---SSGTYPN  SPAS-SGPSS  PFQLPADTPP  PAYMPPD-EQ  MGQDGSQSM
gi_21264049_sp  GTGSTATFPH  SPSS-SDPGS  PFQMP-ETPP  PAYMPPE-EP  MTQDCPQPM
gi_13959539_sp  ---CTASYPH  SPGSPSEPE  PYQHSVDTPP  LPYHATE-AS  ETQSG-QPVD
gi_66774168_sp  ---CPTSYPH  SPGSPSESD  PYQHS-----  -----  -----
gi_13959527_sp  ---CPTSYPH  SPGSPSESD  PYQHS-----  -----  -----
gi_51338669_sp  -----IP-  -----  -----ETPP  PGYLS-EDGET  SDHQMNHSM
gi_60414603_sp  -----IP-  -----  -----ETPP  PGYLS-EDGET  SDHQMNPMS
gi_117949830_sp -----IP-  -----  -----ETPP  PGYLS-EDGET  SDQQLNQSM
gi_13633871_sp -----IP-  -----  -----ETPP  PGYLS-EDGET  SDQQLNQSM

```


gi_13633914_sp	-----IP-	-----	-----	ETPP	PGYI	SEDGET	SDQQ	LNQS	MDS
gi_75041393_sp	-----IP-	-----	-----	ETPP	PGYI	SEDGET	SDQQ	LNQS	MDS
gi_110826300_sp	-----IP-	-----	-----	ETPP	PGYI	SEDGET	SDQQ	LNQS	MDS
gi_21264050_sp	-----IP-	-----	-----	ETPP	PGYI	SEDGEA	SDQQ	MNQS	MDS

	.....310.....320.....330.....340.....350
gi_13633932_sp	---TNMMAPG IHPDIHRG-D VQAVAYE EEPK HWCSIVYYEL NNRVGEAFHA
gi_118573879_sp	---TNMMAPS LPSEINRG-D VQAVAYE EEPK HWCSIVYYEL NNRVGEAFHA
gi_13633915_sp	---TNMMAPP LPSEINRG-D VQAVAYE EEPK HWCSIVYYEL NNRVGEAFHA
gi_341942042_sp	---TNMMAPP LPAEISR G-D VQAVAYE EEPK HWCSIVYYEL NNRVGEAFHA
gi_13633872_sp	TNMTNMTAPT LPAEINRG-D VQAVAYE EEPK HWCSIVYYEL NNRVGEAFHA
gi_13959533_sp	T--SNNMIPQ IMPSISSR-D VQPVAYE EEPK HWCSIVYYEL NNRVGEAFHA
gi_13959566_sp	T--SNNMIPQ IMPSISSR-D VQPVAYE EEPK HWCSIVYYEL NNRVGEAFHA
gi_13959559_sp	T--SSNMIPQ TMPSSISSR-D VQPVAYE EEPK HWCSIVYYEL NNRVGEAFHA
gi_82121811_sp	T--SNTMIPQ IMPNISTR-D VQPVAYE EEPK HWCSIVYYEL NNRVGEAFHA
gi_21264062_sp	T--GSSLAPQ NMPR--G-D VQPV EYQEPS HWCSIVYYEL NNRVGEAFHA
gi_21264049_sp	---TNLLAPN LPLEISNRTD VHPVAYQ EEPK HWCSIVYYEL NNRVGEAFHA
gi_13959539_sp	ATADRHHVVL S IPNG-----D FRPVCYE EEPQ HWCSVAYYEL NNRVGETFQA
gi_66774168_sp	-----D FRPVCYE EEPQ HWCSVAYYEL NNRVGETFQA
gi_13959527_sp	-----D FRPVCYE EEP L HWCSVAYYEL NNRVGETFQA
gi_51338669_sp	AGSP--NLSPN PMSPAHHNLD LQPVTYCEPA FWCSISYYEL NQRVGETFHA
gi_60414603_sp	AGSP--NLSPN PMSPAHHNLD LQPVTYCEPA FWCSISYYEL NQRVGETFHA
gi_117949830_sp	TGSPAELSPT TLSPVNHS LD LQPVTYSEPA FWCSIAYYEL NQRVGETFHA
gi_13633871_sp	TGSPAELSPT TLSPVNHS LD LQPVTYSEPA FWCSIAYYEL NQRVGETFHA
gi_13633914_sp	TGSPAELSPT TLSPVNHS LD LQPVTYSEPA FWCSIAYYEL NQRVGETFHA
gi_75041393_sp	TGSPAELSPT TLSPVNHS LD LQPVTYSEPA FWCSIAYYEL NQRVGETFHA
gi_110826300_sp	TGSPAELSPT TLSPVNHS LD LQPVTYSEPA FWCSIAYYEL NQRVGETFHA
gi_21264050_sp	TGSPAELSPT TLSPVNHS LD LQPVTYSEPA FWCSIAYYEL NQRVGETFHA

	.....360.....370.....380.....390.....400
gi_13633932_sp	SSTSILVDGF TDPSNNKNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
gi_118573879_sp	SSTSILVDGF TDPSNNKNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
gi_13633915_sp	SSTSILVDGF TDPSNNKNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
gi_341942042_sp	SSTSILVDGF TDPSNNKNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
gi_13633872_sp	SSTSILVDGF TDPSNNKNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
gi_13959533_sp	SSTSILVDGF TDPANNKS RF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
gi_13959566_sp	SSTSILVDGF TDPSNNKS RF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
gi_13959559_sp	SSTSILVDGF TDPSNNKS RF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
gi_82121811_sp	SSTSILVDGF TDPSNNKNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
gi_21264062_sp	SSTSILVDGF TDPSNNKNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
gi_21264049_sp	SSTSILVDGF TDPSNNRNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
gi_13959539_sp	SSRSVLIDGF TDPSNNRNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
gi_66774168_sp	SSRSVLIDGF TDPSNNRNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
gi_13959527_sp	SSRSVLIDGF TDPSNNRNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
gi_51338669_sp	SQPSMTVDGF TDPSNSE--RF CLGLLSNVNR NAAVELTRRH IGRGVRLYYI
gi_60414603_sp	SQPSMTVDGF TDPSNSE--RF CLGLLSNVNR NAAVELTRRH IGRGVRLYYI
gi_117949830_sp	SQPSLTVDGF TDPSNSE--RF CLGLLSNVNR NATVEMTRRH IGRGVRLYYI
gi_13633871_sp	SQPSLTVDGF TDPSNSE--RF CLGLLSNVNR NATVEMTRRH IGRGVRLYYI
gi_13633914_sp	SQPSLTVDGF TDPSNSE--RF CLGLLSNVNR NATVEMTRRH IGRGVRLYYI
gi_75041393_sp	SQPSLTVDGF TDPSNSE--RF CLGLLSNVNR NATVEMTRRH IGRGVRLYYI
gi_110826300_sp	SQPSLTVDGF TDPSNSE--RF CLGLLSNVNR NATVEMTRRH IGRGVRLYYI
gi_21264050_sp	SQPSLTVDGF TDPSNSE--RF CLGLLSNVNR NATVEMTRRH IGRGVRLYYI

	.....410.....420.....430.....440.....450
gi_13633932_sp	GGEVYAECLS DSSIFVQSRN CNYHHGFHPT TVCKIPSGCS LKIFNNQEF-
gi_118573879_sp	GGEVYAECLS DSSIFVQSRN CNYHHGFHPT TVCKIPSGCS LKIFNNQEF-
gi_13633915_sp	GGEVYAECLS DSSIFVQSRN CNYHHGFHPT TVCKIPSGCS LKIFNNQEF-
gi_341942042_sp	GGEVYAECLS DSSIFVQSRN CNYHHGFHPT TVCKIPSGCS LKIFNNQEF-
gi_13633872_sp	GGEVYAECLS DSSIFVQSRN CNYHHGFHPT TVCKIPSGCS LKIFNNQEF-
gi_13959533_sp	GGEVYAECLS DSSIFVQSRN CNFHHGFHPT TVCKIPSSCS LKIFNNQEF-
gi_13959566_sp	GGEVYAECLS DSSIFVQSRN CNFHHGFHPT TVCKIPSSCS LKIFNNQEF-
gi_13959559_sp	GGEVYAECLS DSSIFVQSRN CNFHHGFHPT TVCKIPSSCS LKIFNNQEF-
gi_82121811_sp	GGEVYAECLS DSSIFVQSRN CNYHHGFHPT TVCKIPSGCS LKIFNNQEF-
gi_21264062_sp	GGEVYAECLS DTSIFVQSRN CNYHHGFHPT TVCKIPSGCS LKIFNNQEF-
gi_21264049_sp	GGEVYAECLS DSSIFVQSRN CNYHHGFHPT TVCKIPSRCS LKIFNNQEF-
gi_13959539_sp	GGEVYAECLS DSSIFVQSRN CNYQHGFHPT TVCKIPSGCS LKVFNNQLF-
gi_66774168_sp	GGEVYAECLS DSSIFVQSRN CNYQHGFHPT TVCKIPSGCS LKVFNNQLF-
gi_13959527_sp	GGEVYAECLS DSSIFVQSRN CNYQHGFHPT TVCKIPSGCS LKVFNNQLFA
gi_51338669_sp	GGEVFAECLS DSAIFVQSPN CNQRYGWHPT TVCKIPPGCN LKIFNNQEF-
gi_60414603_sp	GGEVFAECLS DSAIFVQSPN CNQRYGWHPT TVCKIPPGCN LKIFNNQEF-
gi_117949830_sp	GGEVFAECLS DSAIFVQSPN CNQRYGWHPT TVCKIPPGCN LKIFNNQEF-
gi_13633871_sp	GGEVFAECLS DSAIFVQSPN CNQRYGWHPT TVCKIPPGCN LKIFNNQEF-
gi_13633914_sp	GGEVFAECLS DSAIFVQSPN CNQRYGWHPT TVCKIPPGCN LKIFNNQEF-
gi_75041393_sp	GGEVFAECLS DSAIFVQSPN CNQRYGWHPT TVCKIPPGCN LKIFNNQEF-
gi_110826300_sp	GGEVFAECLS DSAIFVQSPN CNQRYGWHPT TVCKIPPGCN LKIFNNQGF-

gi_21264050_sp_	GGEVFAECLS	DS	AI	FV	QSPN	CN	QRYG	WHPA	TV	CK	I	PPGCN	LK	I	FNNQEF	-
	.....	460	.....	470	.....	480	.....	490	.....	500						
gi_13633932_sp_	---	AQLLAQS	VNHGFETVYE	LTKMCTLRMS	FVKGWGAEYH	RQDVTSTPCW										
gi_118573879_sp_	---	AQLLAQS	VNHGFETVYE	LTKMCTLRMS	FVKGWGAEYH	RQDVTSTPCW										
gi_13633915_sp_	---	AQLLAQS	VNHGFETVYE	LTKMCTLRMS	FVKGWGAEYH	RQDVTSTPCW										
gi_341942042_sp_	---	AQLLAQS	VNHGFETVYE	LTKMCTLRMS	FVKGWGAEYH	RQDVTSTPCW										
gi_13633872_sp_	---	AQLLAQS	VNHGFETEYE	LTKMCTLRMS	FVKGWGAEYH	RQDVTSTPCW										
gi_13959533_sp_	---	AQLLAQS	VNHGFEEAVYE	LTKMCTLRMS	FVKGWGAEYH	RQDVTSTPCW										
gi_13959566_sp_	---	AQLLAQS	VNHGFEEAVYE	LTKMCTLRMS	FVKGWGAEYH	RQDVTSTPCW										
gi_13959559_sp_	---	AQLLAQS	VNHGFEEAVYE	LTKMCTLRMS	FVKGWGAEYH	RQDVTSTPCW										
gi_82121811_sp_	---	AQLLAQS	VNHGFEEAVYE	LTKMCTLRMS	FVKGWGAEYH	RQDVTSTPCW										
gi_21264062_sp_	---	AQLLAQS	VNHGFEEAVYE	LTKMCTLRMS	FVKGWGAEYH	RQDVTSTPCW										
gi_21264049_sp_	---	AELLAQS	VNHGFEEAVYE	LTKMCTLRMS	FVKGWGAKYH	RQDVTSTPCW										
gi_13959539_sp_	---	AQLLAQS	VHHGFEEVYE	LTKMCTLRMS	FVKGWGAEYH	RQDVTSTPCW										
gi_66774168_sp_	---	AQLLAQS	VHHGFEEVYE	LTKMCTLRMS	FVKGWGAEYH	RQDVTSTPCW										
gi_13959527_sp_	Q	LLAQLLAQS	VHHGFEEVYE	LTKMCTLRMS	FVKGWGAEYH	RQDVTSTPCW										
gi_51338669_sp_	---	AALLAQS	VNQGFEAVYQ	LTRMCTLRMS	FVKGWGAEYR	RQTVTSTPCW										
gi_60414603_sp_	---	AALLAQS	VNQGFEAVYQ	LTRMCTLRMS	FVKGWGAEYR	RQTVTSTPCW										
gi_117949830_sp_	---	AALLAQS	VNQGFEAVYQ	LTRMCTLRMS	FVKGWGAEYR	RQTVTSTPCW										
gi_13633871_sp_	---	AALLAQS	VNQGFEAVYQ	LTRMCTLRMS	FVKGWGAEYR	RQTVTSTPCW										
gi_13633914_sp_	---	AALLAQS	VNQGFEAVYQ	LTRMCTLRMS	FVKGWGAEYR	RQTVTSTPCW										
gi_75041393_sp_	---	AALLAQS	VNQGFEAVYQ	LTRMCTLRMS	FVKGWGAEYR	RQTVTSTPCW										
gi_110826300_sp_	---	AALLAQS	VNQGFEAVYQ	LTRMCTLRMS	FVKGWGAEYR	RQTVTSTPCW										
gi_21264050_sp_	---	AALLAQS	VNQGFEAVYQ	LTRMCTLRMS	FVKGWGAEYR	RQTVTSTPCW										
	.....	510	.....	520	.....	530										
gi_13633932_sp_	IE	IHLHGPLQ	WLDKVL	TQMG	SPHNPI	ISSVS										
gi_118573879_sp_	IE	IHLHGPLQ	WLDKVL	TQMG	SPHNPI	ISSVS										
gi_13633915_sp_	IE	IHLHGPLQ	WLDKVL	TQMG	SPHNPI	ISSVS										
gi_341942042_sp_	IE	IHLHGPLQ	WLDKVL	TQMG	SPHNPI	ISSVS										
gi_13633872_sp_	IE	IHLHGPLQ	WLDKVL	TQMG	SPHNPI	ISSVS										
gi_13959533_sp_	IE	IHLHGPLQ	WLDKVL	TQMG	SPLNPI	ISSVS										
gi_13959566_sp_	IE	IHLHGPLQ	WLDKVL	TQMG	SPLNPI	ISSVS										
gi_13959559_sp_	IE	IHLHGPLQ	WLDKVL	TQMG	SPLNPI	ISSVS										
gi_82121811_sp_	IE	IHLHGPLQ	WLDKVL	TQMG	SPLNPI	ISSVS										
gi_21264062_sp_	IE	VHLHGPLQ	WLDKVL	TQMG	SPLNPI	ISSVS										
gi_21264049_sp_	IE	IHLHGPLQ	WLDKVL	TQMG	SPHNPI	ISSVS										
gi_13959539_sp_	IE	IHLHGPLQ	WLDKVL	TQMG	SPHNPI	ISSVS										
gi_66774168_sp_	IE	IHLHGPLQ	WLDKVL	TQMG	SPHNPI	ISSVS										
gi_13959527_sp_	IE	IHLHGPLQ	WLDKVL	TQMG	SPHNPI	ISSVS										
gi_51338669_sp_	IE	LHLNGPLQ	WLDKVL	TQMG	SPSIRC	SSVS										
gi_60414603_sp_	IE	LHLNGPLQ	WLDKVL	TQMG	SPSIRC	SSVS										
gi_117949830_sp_	IE	LHLNGPLQ	WLDKVL	TQMG	SPSVRC	SSMS										
gi_13633871_sp_	IE	LHLNGPLQ	WLDKVL	TQMG	SPSVRC	SSMS										
gi_13633914_sp_	IE	LHLNGPLQ	WLDKVL	TQMG	SPSVRC	SSMS										
gi_75041393_sp_	IE	LHLNGPLQ	WLDKVL	TQMG	SPSVRC	SSMS										
gi_110826300_sp_	IE	LHLNGPLQ	WLDKVL	TQMG	SPSVRC	SSMS										
gi_21264050_sp_	IE	LHLNGPLQ	WLDKVL	TQMG	SPSVRC	SSMS										