Results colour-coded for secondary structure

The current colourscheme of the alignment is for **secondary structure type**.

The 3-state (H, E C) secondary structure for each sequence is represented by a colour. If a sequence in the alignment has no colours assigned, this means that either there is no DSSP information available (if this was requested), or that no prediction was possible for that sequence (if this was requested).

The colour assignments are:

HELIX (H) STRAND (E) You have selected to perform secondary structure prediction using DSSP (Kabsch and Sander, 1983).

	10	20	30	40	50
(N/A)	gi_13633932_sp MNVTSL				
	gi_118573879_spMNVTSL				
	gi_13633915_spMNVTSL				
(N/A)	gi_341942042_spMNVTSL	FSFTSPAVKR	LLGWK	Q	GDEEEKWAEK
(N/A)	gi_13633872_spMNVTSL	FSFTSPAVKR	LLGWK	Q	GDEEEKWAEK
(N/A)	gi_13959533_spMTSMASL	FSFTSPAVKR	LLGWK	Q	GDEEEKWAEK
(N/A)	gi_13959566_spMTSMASL	FSFTSPAVKR	LLGWK	Q	GDEEEKWAEK
(N/A)	gi_13959559_spMTSMASL		LLGWK	_	
(N/A)	gi_82121811_spMTSMASL	FSFTSPAVKR	LLGWK		
	$gi_21264062_sp\MTSMSSL$	FSFTSPAVKR		Q	
	gi_21264049_spMNVTSL	FSFTSPAVKR		Q	
	gi_13959539_sp_MHSTTPISSL		LLGWK	_	
	gi_66774168_sp_MHPSTPISSL	FSFTSPAVKR			
	gi_13959527_sp_MHPSTPISSL	FSFTSPAVKR		Q	
	gi_51338669_spMSSI	LPFTPPIVKR		GEQ	
	gi_60414603_spMSSI	LPFTPPIVKR	LLGWKK	_	NGQEEKWCEK
•	gi_117949830_spMSSI	LPFTPPVVKR	LLGWKKSAGG		NGQEEKWCEK
•	gi_13633871_sp MSSI	LPFTPPVVKR	LLGWKKSAGG	SGGA-GGGEQ	NGQEEKWCEK
	gi_13633914_sp MSSI	LPFTPPVVKR	LLGWKKSAGG	SGGA-GGGEQ	NGQEEKWCEK
	gi_75041393_spMSSI	LPFTPPVVKR	LLGWKKSAGG		NGQEEKWCEK
	gi_110826300_spMSSI gi_21264050_spMSSI	LPFTPPVVKR	LLGWKKSAGG LLGWKKSASG	SGGA-GGGEQ SSGAGGGGEQ	NGQEEKWCEK NGQEEKWCEK
(N/A)	g1_21264050_sp MSS1	LPFTPPVVKR	LLGWKKSASG	SSGAGGGGEQ	NGQEERWCER
60					
(N/A)	gi_13633932_sp_ AVDALVKKLK				
	gi_118573879_sp AVDALVKKLK		KALSCPGQPS	NCVTIP	
	gi_13633915_sp_AVDALVKKLK		KALSCPGQPS	NCVTIP	
	gi_341942042_sp AVDALVKKLK		KALSCPGQPS	NCVTIP	
(N/A)	gi_13633872_sp_ AVDALVKKLK	KKKGAMEELE	KALSCPGQPS	NCVTIP	
(N/A)	gi_13959533_sp_ AVDALVKKLK	KKKGAMEELE	KALSSPGQPS	KCVTIP	
(N/A)	gi_13959566_sp_ AVDALVKKLK	KKKGAMEELE	KALSSPGQPS	KCVTIP	
(N/A)	gi_13959559_sp_ AVDALVKKLK	KKKGAMEELE	KALSSPGQPS	KCVTIP	
	gi_82121811_sp_ AVDALVKKLK		KALSSPGQPS	KCVTIP	
	gi_21264062_sp_ AVDALVKKLK		KALSSPGQPS	KCVTIP	
	gi_21264049_sp_AVDALVKKLK		RALSCPGQPS	NCVTIP	
	gi_13959539_sp_AVDSLVKKLK	KKKGAMDELE	RALSCPGQPS	KCVTIP	
	gi_66774168_sp_AVDSLVKKLK	KKKGAMDELE	RALSCPGQPS	KCVTIP	
	gi_13959527_sp_AVDSLVKKLK	KKKGAMDELE	RALSCPGQPS	KCVTIP	
	gi_51338669_sp_AVKSLVKKL-	KKTGQLDELE	KAITTQNVNT	KCITIP	
	gi_60414603_sp_AVKSLVKKL-	KKTGQLDELE	KAITTQNINT	KCITIP	
	gi_117949830_sp AVKSLVKKL- gi_13633871_sp_ AVKSLVKKL-	KKTGRLDELE	KAITTQNCNT	KCVTIPSTCS KCVTIPSTCS	EIWGLSTANT EIWGLSTANT
	gi_13633914_sp_AVKSLVKKL-	KKTGRLDELE KKTGRLDELE	KAITTQNCNT KAITTQNCNT	KCVTIPSTCS	EIWGLSTANT
	gi_75041393_sp_ AVKSLVKKL-	KKTGRLDELE	KAITTQNCNT	KCVTIPSTCS	EIWGLSTPNT
	gi_110826300_sp AVKSLVKKL-	KKTGRLDELE	KAITTQNCNT	KCVTIPSTCS	EIWGLSTPNT
	gi_21264050_sp_AVKSLVKKL-	KKTGQLDELE	KAITTQNENT	KCVTIPSNCS	EIWGLSTPNT
(11,11)	g1_1101000_5p_	KKI OQ ID III		NOVIII DROD	211102011111
$\ldots \ldots 110 \ldots 120 \ldots 130 \ldots 130 \ldots 140 \ldots 150$					
	gi_13633932_sp		GRLQVSHRKG	LPHVIYCRVW	RWPDLQSHHE
(N/A)	gi_118573879_sp	RSLD	GRLQVSHRKG	LPHVIYCRVW	RWPDLQSHHE
	gi_13633915_sp		GRLQVSHRKG	LPHVIYCRVW	RWPDLQSHHE
	gi_341942042_sp		GRLQVSHRKG	LPHVIYCRVW	RWPDLQSHHE
(N/A)	gi_13633872_sp	RSLD	GRLQVSHRKG	LPHVIYCRVW	RWPDLQSHHE
(N/A)	gi_13959533_sp	RSLD	GRLQVSHRKG	LPHVIYCRVW	RWPDLQSHHE
(N/A)	gi_13959566_sp	RSLD	GRLQVSHRKG	LPHVIYCRVW	RWPDLQSHHE
(N/A)	gi_13959559_sp	RSLD	GRLQVSHRKG	LPHVIYCRVW	RWPDLQSHHE
(N/A)	gi_82121811_sp	RSLD	GRLQVSHRKG	LPHVIYCRVW	RWPDLQSHHE
(N/A)	gi_21264062_sp	RSLD	GRLQVSHRKG	LPHVIYCRVW	RWPDLQSHHE
(N/A)	gi_21264049_sp	KSLD	GRLQVSHRKG	LPHVIYCRVW	RWPDLQSHHE
(N/A)	gi_13959539_sp gi_66774168_sp	KSLD	GRLQVSHRKG	LPHVIYCRVW	RWPDLQSHHE
(N/A)	gi_66//4168_sp gi_13959527_sp	KSLD	GRLQVSHRKG GRLQVSHRKG	LPHVIYCRVW LPHVIYCRVW	RWPDLQSHHE RWPDLQSHHE
	gi_51338669_sp				
(41/53)	<u></u>	KOHD	JALY TOHAKG	TI TI TI OKUW	

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(N/A) gi_60414603_sp_----- ---- ----RSLD GRLQVSHRKG LPHVIYCRLW RWPDLHSHHE
(N/A) gi_117949830_sp VDQWDTTGLY SFSEQTRSLD GRLQVSHRKG LPHVIYCRLW RWPDLHSHHE
(N/A) gi_13633871_sp_VDQWDTTGLY SFSEQTRSLD GRLQVSHRKG LPHVIYCRLW RWPDLHSHHE
(N/A) gi_13633914_sp_ IDQWDTTGLY SFSEQTRSLD GRLQVSHRKG LPHVIYCRLW RWPDLHSHHE
(N/A) qi_75041393_sp_ IDQWDTTGLY SFSEQTRSLD GRLQVSHRKG LPHVIYCRLW RWPDLHSHHE
(N/A) gi_110826300_sp IDQWDTTGLY SFSEQTRSLD GRLQVSHRKG LPHVIYCRLW RWPDLHSHHE
(N/A) gi_21264050_sp_ IEQWDTSGLY SYPDQTRSLD GRLQVSHRKG LPHVIYCRLW RWPDLHSHHE
                 (N/A) gi_13633932_sp_ LKPLECCEFP FGSKQKEVCI NPYHYKRVES PVLPPVLVPR HSEYNPQHSL
(N/A ) gi_118573879_sp LKPLECCEFP FGSKQKEVCI NPYHYKRVES PVLPPVLVPR HSEYNPQHSL
(N/A) gi_13633915_sp_ LKPLECCEFP FGSKQKEVCI NPYHYKRVES PVLPPVLVPR HSEYNPQHSL
(N/A) gi_341942042_sp LKPLECCEFP FGSKQKEVCI NPYHYKRVES PVLPPVLVPR HSEYNPQHSL
(N/A) gi_13633872_sp_ LKPLECCEFP FGSKQKEVCI NPYHYKRVES PVLPPVLVPR HSEYNPQHSL
(N/A) gi_13959533_sp_ LKPLDICEFP FGSKQKEVCI NPYHYKRVES PVLPPVLVPR HNEFNPQHSL
(N/A) gi_13959566_sp_ LKPLDICEFP FGSKQKEVCI NPYHYKRVES PVLPPVLVPR HNEFNPQHSL
(N/A) gi_13959559_sp_ LKPLDICEFP FGSKQKEVCI NPYHYKRVES PVLPPVLVPR HNEFNPQHSL
(N/A) gi_82121811_sp_ LKPLDICEFP FGSKQKEVCI NPYHYKRVES PVLPPVLVPR HSEFNPQHSL
(N/A) gi_21264062_sp_ LKPLEVCEYP FGSKQKEVCI NPYHYKRVES PVLPPVLVPR HSEFNPQHSL
(N/A) gi_21264049_sp_ LKALECCEFP FGSKQKDVCI NPYHYKRVDS PVLPPVLVPR NSEFNAKLSM
(N/A) gi_13959539_sp_ LKPLECCEFP FGSKQKEVCI NPYHYRRVET PVLPPVLVPR HSEYNPQLSL
(N/A) gi_66774168_sp_ LKPLECCEFP FGSKQKEVCI NPYHYRRVET PVLPPVLVPR HSEYNPQLSL
(N/A) gi_13959527_sp_ LKPLECCEFP FGSKQKEVCI NPYHYRRVET PVLPPVLVPR HSEYNPQLSL
(N/A) gi_51338669_sp_ LRAMELCEFA FNMKKDEVCV NPYHYQRVET PVLPPVLVPR HTEIPAEFPP
(N/A) gi_60414603_sp_ LRAMEMCEYA FNMKKDEVCV NPYHYQRVET PVLPPVLVPR HTEIPAEFPP
(N/A) gi_117949830_sp LKAIENCEYA FNLKKDEVCV NPYHYQRVET PVLPPVLVPR HTEILTELPP
(N/A) gi_13633871_sp_LKAIENCEYA FSLKKDEVCV NPYHYQRVET PVLPPVLVPR HTEILTELPP
(N/A) gi_13633914_sp_ LKAIENCEYA FNLKKDEVCV NPYHYQRVET PVLPPVLVPR HTEILTELPP
(N/A) gi_75041393_sp_LKAIENCEYA FNLKEDEVCV NPYHYQRVET PVLPPVLVPR HTEILTELPP
(N/A) gi_110826300_sp LKAIENCEYA FNLKKDEVCV NPYHYQRVET PVLPPVLVPR HTEILTELPP
(N/A) gi_21264050_sp_ LRAIETCEYA FNLKKDEVCV NPYHYQRVET PVLPPVLVPR HTEILTELPP
                 (N/A) gi_13633932_sp_ LAQFRN-LGQ NEPHMPHNAT FPDSFQQ-P- NSHPF-PHSP NSSYPNSPGS
(N/A) gi_118573879_sp LAQFRN-LGQ NEPHMPLNAT FPDSFQQ-P- NSHPF-PHSP NSSYPNSPGS
(N/A) gi_13633915_sp_ LAQFRN-LGQ NEPHMPLNAT FPDSFQQ-P- NSHPF-PHSP NSSYPNSPGS
(N/A) gi_341942042_sp LAQFRN-LGQ NEPHMPLNAT FPDSFQQ-P- NSHPF-PHSP NSSYPNSPGG
(N/A) gi_13633872_sp_ LAQFRN-LGQ NEPHMPLNAT FPDSFQQ-P- HSHPF-AQYP NSSYPNSPGS
(N/A) gi_13959533_sp_LVQFRN-LSH NEPHMPQNAT FPDSFHQ-P- NSTPF-PLSP NSPYPPSP-A
(N/A) gi_13959566_sp_LVQFRN-LSH NEPHMPQNAT FPDSFHQ-P- NNTPF-PLSP NSPYPPSP-A
(N/A) gi_13959559_sp_LVQFRN-LSH NEPHMPQNAT FPDSFHQ-P- NNAPF-PLSP NSPYPPSP-A
(N/A) gi_82121811_sp_LVQFRN-LSH NEPHMPHNAT FPDSFQQ-P- NSTPF-SISP NSPYPPSP-A
(N/A) gi_21264062_sp_LVQFRN-LSH NEPHMPLNAT FPESFQQHS- GGSSF-PISP NSPYPPSP-A
(N/A) gi_21264049_sp_ LPRFRNPLHQ TEPPMPQNAT FPDSFPQQPA NALPFTPNSP TNSYPSSPNS
(N/A) gi_13959539_sp_ LAKFRSASLH SEPLMPHNAT YPDSFQQ--- PPCSALPPSP SHAFSQSP--
(N/A) gi_66774168_sp_LAKFRSASLH SEPLMPHNAT YPDSFQQ--- SLCPAPPSSP GHVFPQSP--
(N/A) gi_13959527_sp_ LAKFRSASLH SEPLMPHNAT YPDSFQQ--- SLGPAPPSSP GHVFPQSP--
(N/A) gi_51338669_sp_ LDDY----SH S---IPENTN FPAGIE---- -----P QSN-----
(N/A) gi_60414603_sp_LDDY----SH S---IPENTN FPAGIE---- -----P QSNY-----
(N/A) gi_117949830_sp LDDY----TH S---IPENTN FPAGIE---- -----P QSNY-----
(N/A) gi_13633871_sp_LDDY----TH S---IPENTN FPAGIE---- -----P QSNY-----
(N/A) gi_13633914_sp_LDDY----TH S---IPENTN FPAGIE---- -----P QSNY-----
(N/A) gi_75041393_sp_LDDY----TH S---IPENTN FPAGIE---- -----P QSNY-----
(N/A) gi_110826300_sp LDDY----TH S---IPENTN FPAGIE---- -----P QSNY-----
(N/A) gi 21264050 sp LDDY----TN S---IPENTN FPTGIE---- PPNNY-----
                 (N/A) gi_13633932_sp_ --- SSSTYPH SPAS-SDPGS PFQMPADTPP PAYLPPE-DQ MTHDTSQPMD
(N/A) gi_118573879_sp --- SSSTYPH SPTS-SDPGS PFQMPADTPP PAYLPPE-DP MTQDGSQPMD
(N/A ) qi_13633915_sp_ ---SSSTYPH SPTS-SDPGS PFQMPADTPP PAYLPPE-DP MTQDGSQPMD
(N/A) gi_341942042_sp --- SSSTYPH SPTS-SDPGS PFQMPADTPP PAYLPPE-DP MAQDGSQPMD
(N/A) gi_13633872_sp_ --- SSSTYPH SPTS-SDPGS PFQMPADTPP PAYLPPE-DP MAQDGSQPMD
(N/A) gi_13959533_sp_ ---SS-TYPN SPAS-SGPGS PFQLPADTPP PAYMPPD-DQ MGQDNSQPMD
(N/A) gi_13959566_sp_ ---SS-TYPN SPAS-SGPGS PFQLPADTPP PAYMPPD-DQ MGQDNSQPMD
(N/A) gi_13959559_sp_ ---SS-TYPN SPAS-SGPGS PFQLPADTPP PAYMPPD-DQ MAPDNSQPMD
(N/A) gi_82121811_sp_ ---SS-TYPS SPAS-SGPSS PFQLPADTPP PAYMPPD-DQ MGQDNSQSMD
(N/A) gi_21264062_sp_ ---SSGTYPN SPAS-SGPSS PFQLPADTPP PAYMPPD-EQ MGQDGSQSME
(N/A ) gi_21264049_sp_ GTGSTATFPH SPSS-SDPGS PFQMP-ETPP PAYMPPE-EP MTQDCPQPMD
(N/A ) gi_13959539_sp_ ---CTASYPH SPGSPSEPES PYQHSVDTPP LPYHATE-AS ETQSG-QPVD
(N/A) gi_66774168_sp_---CPTSYPH SPGSPSESDS PYQHS---- ----------
(N/A) gi_13959527_sp_ --- CPTSYPQ SPGSPSESDS PYQHS---- ---------
(N/A) gi_51338669_sp_ -----IP- ------ ----ETPP PGYLSEDGET SDHQMNHSMD
(N/A) gi_60414603_sp_-----IP- ------ -----ETPP PGYLSEDGET SDHQMNPSMD
(N/A) qi 117949830 sp-----IP- ----- -----ETPP PGYISEDGET SDQQLNQSMD
(N/A) gi_13633871_sp_ -----IP- ----- ----- ----ETPP PGYISEDGET SDQQLNQSMD
```

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(N/A ) gi_13633914_sp_ -----IP- ------ -----ETPP PGYISEDGET SDQQLNQSMD
(N/A ) gi_75041393_sp_ -----IP- ----- ----- ----ETPP PGYISEDGET SDQQLNQSMD
(N/A) gi_110826300_sp -----IP- ------ ----ETPP PGYISEDGET SDQQLNQSMD
(N/A ) gi_21264050_sp_ -----IP- ------ -----ETPP PGYISEDGEA SDQQMNQSMD
                 (N/A) gi_13633932_sp_ --- TNMMAPG IHPDIHRG-D VQAVAYEEPK HWCSIVYYEL NNRVGEAFHA
(N/A) gi_118573879_sp --- TNMMAPS LPSEINRG-D VQAVAYEEPK HWCSIVYYEL NNRVGEAFHA
(N/A) gi_13633915_sp_ --- TNMMAPP LPSEINRG-D VQAVAYEEPK HWCSIVYYEL NNRVGEAFHA
(N/A ) gi_341942042_sp --- TNMMAPP LPAEISRG-D VQAVAYEEPK HWCSIVYYEL NNRVGEAFHA
(N/A) gi_13633872_sp_ TNMTNMTAPT LPAEINRG-D VQAVAYEEPK HWCSIVYYEL NNRVGERFHA
(N/A) gi_13959533_sp_ T--SNNMIPQ IMPSISSR-D VQPVAYEEPK HWCSIVYYEL NNRVGEAFHA
(N/A) gi_13959566_sp_ T--SNNMIPQ IMPSISSR-D VQPVAYEEPK HWCSIVYYEL NNRVGEAFHA
(N/A) gi_13959559_sp_ T--SSNMIPQ TMPSISSR-D VQPVAYEEPK HWCSIVYYEL NNRVGEAFHA
(N/A) gi_82121811_sp_ T--SNTMIPQ IMPNISTR-D VQPVAYEEPK HWCSIVYYEL NNRVGEAFHA
(N/A) gi_21264062_sp_ T--GSSLAPQ NMPR---G-D VQPVEYQEPS HWCSIVYYEL NNRVGEAYHA
(N/A) gi_21264049_sp_ --- TNLLAPN LPLEISNRTD VHPVAYQEPK HWCSIVYYEL NNRVGEAFLA
(N/A) gi_13959539_sp_ ATADRHVVLS IPNG----D FRPVCYEEPQ HWCSVAYYEL NNRVGETFQA
(N/A) gi_66774168_sp_------ ----- FRPVCYEEPQ HWCSVAYYEL NNRVGETFQA
(N/A) gi_13959527_sp_ ----- ---- FRPVCYEEPL HWCSVAYYEL NNRVGETFQA
(N/A) gi_51338669_sp_AGSP-NLSPN PMSPAHNNLD LQPVTYCEPA FWCSISYYEL NQRVGETFHA
(N/A) gi_60414603_sp_AGSP-NLSPN PMSPAHNNLD LQPVTYCEPA FWCSISYYEL NQRVGETFHA
(N/A) gi_117949830_spTGSPAELSPT TLSPVNHSLD LQPVTYSEPA FWCSIAYYEL NQRVGETFHA
(N/A) gi_13633871_sp_TGSPAELSPT TLSPVNHSLD LQPVTYSEPA FWCSIAYYEL NQRVGETFHA
(N/A) gi_13633914_sp_TGSPAELSPT TLSPVNHSLD LQPVTYSEPA FWCSIAYYEL NQRVGETFHA
(N/A) gi_75041393_sp_TGSPAELSPT TLSPVNHSLD LQPVTYSEPA FWCSIAYYEL NQRVGETFHA
(N/A) gi_110826300_sp TGSPAELSPT TLSPVNHSLD LQPVTYSEPA FWCSIAYYEL NQRVGETFHA
(N/A) gi_21264050_sp_TGSPAELSPS TLSPVNHGMD LQPVTYSEPA FWCSIAYYEL NQRVGETFHA
                 (N/A) gi_13633932_sp_SSTSILVDGF TDPSNNKNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
(N/A) gi 118573879 sp SSTSVLVDGF TDPSNNKNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
(N/A) gi_13633915_sp_SSTSVLVDGF TDPSNNKNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
(N/A) gi_341942042_sp SSTSVLVDGF TDPSNNKNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
(N/A) gi_13633872_sp_SSTSVLVDGF TDPSNNKNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
(N/A) gi_13959533_sp_SSTSVLVDGF TDPANNKSRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
(N/A) gi_13959566_sp_SSTSVLVDGF TDPSNNKSRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
(N/A) gi_13959559_sp_SSTSVLVDGF TDPSNNKSRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
(N/A) gi_82121811_sp_SSTSVLVDGF TDPSNNKNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
(N/A) gi_21264062_sp_SSTSVLVDGF TDPSNNKNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
(N/A) gi_21264049_sp_SSTSVLVDGF TDPSNNRNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
(N/A) gi_13959539_sp_ SSRSVLIDGF TDPSNNRNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
(N/A) gi_66774168_sp_SSRSVLIDGF TDPSNNRNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
(N/A) gi_13959527_sp_SSRSVLIDGF TDPSNNRNRF CLGLLSNVNR NSTIENTRRH IGKGVHLYYV
(N/A) gi_51338669_sp_SQPSMTVDGF TDPSNSE-RF CLGLLSNVNR NAAVELTRRH IGRGVRLYYI
(N/A) gi_60414603_sp_SQPSMTVDGF TDPSNSE-RF CLGLLSNVNR NAAVELTRRH IGRGVRLYYI
(N/A) gi_117949830_sp SQPSLTVDGF TDPSNSE-RF CLGLLSNVNR NATVEMTRRH IGRGVRLYYI
(N/A) gi_13633871_sp_SQPSLTVDGF TDPSNSE-RF CLGLLSNVNR NATVEMTRRH IGRGVRLYYI
(N/A) gi_13633914_sp_SQPSLTVDGF TDPSNSE-RF CLGLLSNVNR NATVEMTRRH IGRGVRLYYI
(N/A) gi_75041393_sp_SQPSLTVDGF TDPSNSE-RF CLGLLSNVNR NATVEMTRRH IGRGVRLYYI
(N/A) gi_110826300_sp SQPSLTVDGF TDPSNSE-RF CLGLLSNVNR NATVEMTRRH IGRGVRLYYI
(N/A) gi_21264050_sp_SQPSLTVDGF TDPSNSE-RF CLGLLSNVNR NATVEMTRRH IGRGVRLYYI
                 (N/A) gi_13633932_sp_GGEVYAECLS DSSIFVQSRN CNYHHGFHPT TVCKIPSGCS LKIFNNQEF-
(N/A) qi_118573879_sp GGEVYAECLS DSSIFVQSRN CNYHHGFHPT TVCKIPSGCS LKIFNNQEF-
(N/A) gi_13633915_sp_GGEVYAECLS DSSIFVQSRN CNYHHGFHPT TVCKIPSGCS LKIFNNQEF-
(N/A) gi_341942042_sp GGEVYAECLS DSSIFVQSRN CNYHHGFHPT TVCKIPSGCS LKIFNNQEF-
(N/A) gi_13633872_sp_ GGEVYAECLS DSSIFVQSRN CNYHHGFHPT TVCKIPSGCS LKIFNNQEF-
(N/A ) gi_13959533_sp_ GGEVYAECLS DSSIFVQSRN CNFHHGFHPT TVCKIPSSCS LKIFNNQEF-
(N/A) gi_13959566_sp_ GGEVYAECLS DSSIFVQSRN CNFHHGFHPT TVCKIPSSCS LKIFNNQEF-
(N/A) gi_13959559_sp_ GGEVYAECLS DSSIFVQSRN CNFHHGFHPT TVCKIPSSCS LKIFNNQEF-
(N/A) gi_82121811_sp_GGEVYAECLS DSSIFVQSRN CNYHHGFHPT TVCKIPSGCS LKIFNNQEF-
(N/A) gi_21264062_sp_ GGEVYAECLS DTSIFVQSRN CNYHHGFHPT TVCKIPSGCS LKIFNNQEF-
(N/A) gi_21264049_sp_ GGEVYAECLS DSSIFVQSRN CNYHHGFHPT TVCKIPSRCS LKIFNNQEF-
(N/A) gi_13959539_sp_ GGEVYAECVS DSSIFVQSRN CNYQHGFHPA TVCKIPSGCS LKVFNNQLF-
(N/A) gi_66774168_sp_GGEVYAECVS DSSIFVQSRN CNYQHGFHPA TVCKIPSGCS LKVFNNQLF-
(N/A) gi_13959527_sp_ GGEVYAECVS DSSIFVQSRN CNYQHGFHPA TVCKIPSGCS LKVFNNQLFA
(N/A) gi_51338669_sp_GGEVFAECLS DSAIFVQSPN CNQRYGWHPA TVCKIPPGCN LKIFNNQEF-
(N/A) gi_60414603_sp_GGEVFAECLS DSAIFVQSPN CNQRYGWHPA TVCKIPPGCN LKIFNNQEF-
(N/A) qi_117949830_spGGEVFAECLS DSAIFVQSPN CNQRYGWHPA TVCKIPPGCN LKIFNNQEF-
(N/A) gi_13633871_sp_ GGEVFAECLS DSAIFVQSPN CNQRYGWHPA TVCKIPPGCN LKIFNNQEF-
(N/A) gi_13633914_sp_ GGEVFAECLS DSAIFVQSPN CNQRYGWHPA TVCKIPPGCN LKIFNNQEF-
(N/A) gi_75041393_sp_GGEVFAECLS DSAIFVQSPN CNQRYGWHPA TVCKIPPGCN LKIFNNQEF-
(N/A) gi_110826300_sp GGEVFAECLS DSAIFVQSPN CNQRYGWHPA TVCKIPPGCN LKIFNNQGF-
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(N/A) gi_21264050_sp_GGEVFAECLS DSAIFVQSPN CNQRYGWHPA TVCKIPPGCN LKIFNNQEF-

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(N/A) qi_13633932_sp_ ---AQLLAQS VNHGFETVYE LTKMCTLRMS FVKGWGAEYH RQDVTSTPCW
(N/A) gi_118573879_sp --- AQLLAQS VNHGFETVYE LTKMCTIRMS FVKGWGAEYH RQDVTSTPCW
(N/A) gi_13633915_sp_ ---AQLLAQS VNHGFETVYE LTKMCTIRMS FVKGWGAEYH RQDVTSTPCW
(N/A) gi_341942042_sp --- AQLLAQS VNHGFETVYE LTKMCTIRMS FVKGWGAEYH RQDVTSTPCW
(N/A) gi_13633872_sp_ ---AQLLAQS VNHGFETEYE LTKMCTIRMS FVKGWGAEYH RQDVTSTPCW
(N/A) gi_13959533_sp_ ---AQLLAQS VNHGFEAVYE LTKMCTIRMS FVKGWGAEYH RQDVTSTPCW
(N/A) gi_13959566_sp_ ---AQLLAQS VNHGFEAVYE LTKMCTIRMS FVKGWGAEYH RQDVTSTPCW
(N/A) gi_13959559_sp_ ---AQLLAQS VNHGFEAVYE LTKMCTIRMS FVKGWGAEYH RQDVTSTPCW
(N/A) gi_82121811_sp_ ---AQLLAQS VNHGFEAVYE LTKMCTIRMS FVKGWGAEYH RQDVTSTPCW
(N/A) gi_21264062_sp_ ---AQLLAQS VNHGFEAVYE LTKMCTIRMS FVKGWGAEYH RQDVTSTPCW
(N/A) gi_21264049_sp_ --- AELLAQS VNHGFEAVYE LTKMCTIRMS FVKGWGAKYH RQDVTSTPCW
(N/A) gi_13959539_sp_ --- AQLLAQS VHHGFEVVYE LTKMCTIRMS FVKGWGAEYH RQDVTSTPCW
(N/A) gi_66774168_sp_---AQLLAQS VHHGFEVVYE LTKMCTIRMS FVKGWGAEYH RQDVTSTPCW
(N/A) gi_13959527_sp_QLLAQLLAQS VHHGFEVVYE LTKMCTIRMS FVKGWGAEYH RQDVTSTPCW
(N/A) gi_51338669_sp_ ---AALLAQS VNQGFEAVYQ LTRMCTIRMS FVKGWGAEYR RQTVTSTPCW
(N/A) gi_60414603_sp_ ---AALLAQS VNQGFEAVYQ LTRMCTIRMS FVKGWGAEYR RQTVTSTPCW
(N/A) gi_117949830_sp --- AALLAQS VNQGFEAVYQ LTRMCTIRMS FVKGWGAEYR RQTVTSTPCW
(N/A) gi_13633871_sp_ ---AALLAQS VNQGFEAVYQ LTRMCTIRMS FVKGWGAEYR RQTVTSTPCW
(N/A) gi_13633914_sp_ --- AALLAQS VNQGFEAVYQ LTRMCTIRMS FVKGWGAEYR RQTVTSTPCW
(N/A) gi_75041393_sp_ ---AALLAQS VNQGFEAVYQ LTRMCTIRMS FVKGWGAEYR RQTVTSTPCW
(N/A) gi_110826300_sp---AALLAQS VNQGFEAVYQ LTRMCTIRMS FVKGWGAEYR RQTVTSTPCW
(N/A) gi_21264050_sp_ ---AALLAQS VNQGFEAVYQ LTRMCTIRMS FVKGWGAEYR RQTVTSTPCW
                  . . . . . . . . . . 510 . . . . . . . . . . . 520 . . . . . . . . . . . 530
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(N/A) gi_13633932_sp_ IEIHLHGPLQ WLDKVLTQMG SPHNPISSVS (N/A) gi_118573879_sp IEIHLHGPLQ WLDKVLTQMG SPHNPISSVS (N/A) gi_13633915_sp_IEIHLHGPLQ WLDKVLTQMG SPHNPISSVS (N/A) gi_341942042_sp IEIHLHGPLQ WLDKVLTQMG SPHNPISSVS (N/A) gi 13633872 sp IEIHLHGPLQ WLDKVLTQMG SPHNPISSVS (N/A) gi_13959533_sp_IEIHLHGPLQ WLDKVLTQMG SPLNPISSVS (N/A) gi_13959566_sp_ IEIHLHGPLQ WLDKVLTQMG SPLNPISSVS (N/A) gi_13959559_sp_ IEIHLHGPLQ WLDKVLTQMG SPLNPISSVS (N/A) gi_82121811_sp_IEIHLHGPLQ WLDKVLTQMG SPLNPISSVS (N/A) gi_21264062_sp_IEVHLHGPLQ WLDKVLTQMG SPLNPISSVS (N/A) gi_21264049_sp_ IEIHLHGPLQ WLDKVLTQMG SPHNPISSVS (N/A) gi_13959539_sp_IEIHLHGPLQ WLDKVLTQMG SPHNPISSVS (N/A) gi_66774168_sp_IEIHLHGPLQ WLDKVLTQMG SPHNPISSVS (N/A) gi_13959527_sp_IEIHLHGPLQ WLDKVLTQMG SPHNPISSVS (N/A) gi_51338669_sp_ IELHLNGPLQ WLDKVLTQMG SPSIRCSSVS (N/A) gi_60414603_sp_ IELHLNGPLQ WLDKVLTQMG SPSIRCSSVS (N/A) gi_117949830_sp IELHLNGPLQ WLDKVLTQMG SPSVRCSSMS (N/A) gi_13633871_sp_ IELHLNGPLQ WLDKVLTQMG SPSVRCSSMS (N/A) gi_13633914_sp_ IELHLNGPLQ WLDKVLTQMG SPSVRCSSMS (N/A) gi_75041393_sp_IELHLNGPLQ WLDKVLTQMG SPSVRCSSMS (N/A) gi_110826300_sp IELHLNGPLQ WLDKVLTQMG SPSVRCSSMS (N/A) gi_21264050_sp_ IELHLNGPLQ WLDKVLTQMG SPSVRCSSMS