Results colour-coded for amino acid conservation

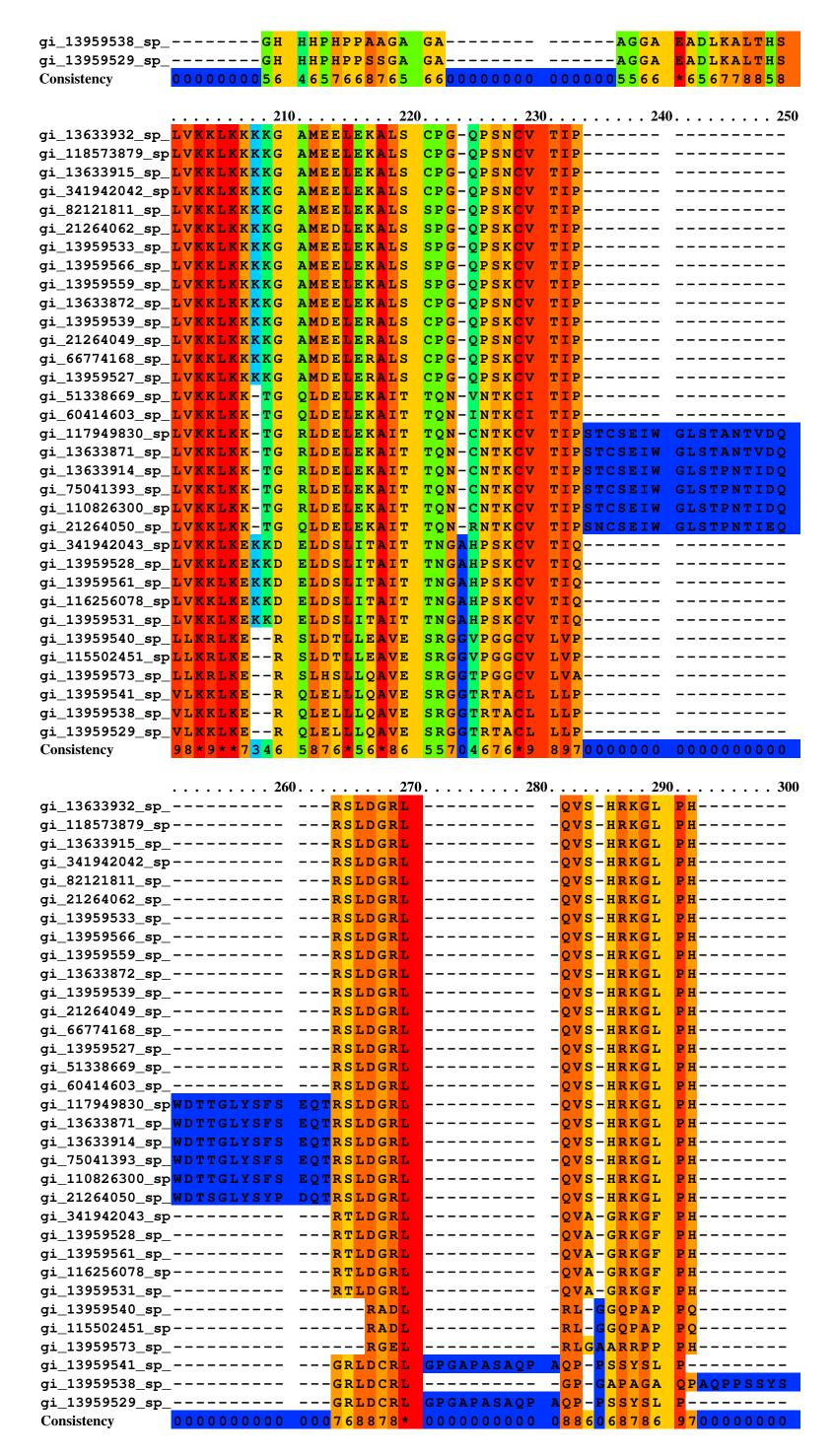
The current colourscheme of the alignment is for **amino acid conservation**.

The conservation scoring is performed by PRALINE. The scoring scheme works from 0 for the least conserved alignment position, up to 10 for the most conserved alignment position. The colour assignments are:

Unconserved 0 1 2 3 4 5 6 7 8 9 10 Conserved

	40	• 0	•	40	=0
gi_13633932_sp_	10	20	30	40	50
gi_13633932_sp_ gi_118573879_sp					
gi_1185/38/9_sp gi_13633915_sp_					
gi_13033913_sp_ gi_341942042_sp					
gi_82121811_sp_	, 				
gi 21264062 sp					
gi 13959533 sp					
gi 13959566 sp					
gi 13959559 sp					
gi 13633872 sp					
gi 13959539 sp					
gi_21264049_sp_					
gi_66774168_sp_					
gi_13959527_sp_					
gi_51338669_sp_					
gi_60414603_sp_					
gi_117949830_sp)				
gi_13633871_sp_ gi_13633914_sp_					
gi_13633914_sp_					
gi_75041393_sp_ gi_110826300_sp					
gi_110826300_sp gi_21264050_sp_)				
gi_21264050_sp_ gi_341942043_sp					
gi_341942043_sp gi_13959528_sp_					
gi_13959561_sp_					
gi_13333301_sp_ gi_116256078_sp					
gi_110230070_sp	, 				
gi_13959540_sp_		RRLWRSRVVP	DREEGSG-GG	GGVDEDGSLG	SRAEPAPRAR
gi_115502451_sp		RRLWRSRVVP	DREEGGSGGG		SRAEPAPRAR
gi_13959573_sp_				SSERNATAVT	
gi_13959541_sp_		RRLWRSRAPG	GEDEEEGVGG	GGGGGELR	GEG
gi_13959538_sp_	MFRTKRSALV	RRLWRSRAPG	GEDEEEGAGG	GGGGGELR	GEG
gi_13959529_sp_	MFRTKRSALV	RRLWRSRAPG	GEDEEEGVGG	GGGGGGLR	GEG
gi_13959529_sp_ Consistency	MFRTKRSALV 00000000000	RRLWRSRAPG 00000000000	GEDEEEGVGG 0000000000	GGGGGGLR 00000000000	GEG
_	0000000000	0000000000	0000000000	0000000000	000000000
Consistency	0000000000	00000000000	0000000000	0000000000	0000000000
Consistency					
Consistency gi_13633932_sp_ gi_118573879_sp					
Gi_13633932_sp_gi_118573879_sp_gi_13633915_sp					
Gi_13633932_sp_gi_118573879_sp_gi_13633915_sp_gi 341942042 sp	00000000000				0000000000
Gi_13633932_sp_gi_118573879_sp_gi_13633915_sp_gi_341942042_sp_gi_82121811_sp	0000000000	0000000000	0000000000	0000000000	0000000000
Gi_13633932_sp_gi_118573879_sp_gi_13633915_sp_gi_341942042_sp_gi_82121811_sp_gi_21264062_sp	0000000000	0000000000	0000000000	0000000000	0000000000
Gi_13633932_sp_ gi_118573879_sp gi_13633915_sp_ gi_341942042_sp gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_	0000000000	0000000000	0000000000	0000000000	0000000000
Gi_13633932_sp_ gi_118573879_sp gi_13633915_sp_ gi_341942042_sp gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_13959566_sp_	0000000000	0000000000	0000000000	0000000000	0000000000
Gi_13633932_sp_ gi_118573879_sp_ gi_13633915_sp_ gi_341942042_sp_ gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_13959566_sp_ gi_13959559_sp_ gi_13633872_sp	0000000000	0000000000	0000000000	0000000000	0000000000
Gi_13633932_sp_gi_118573879_sp_gi_13633915_sp_gi_341942042_sp_gi_82121811_sp_gi_21264062_sp_gi_13959533_sp_gi_139595566_sp_gi_13633872_sp_gi_13959539_sp_gi_139595539_sp_gi_13959559_sp_gi_13959559_sp_gi_13959559_sp_gi_13959559_sp_gi_13959559_sp_gi_13959559_sp_gi_13959559_sp_gi_13959559_sp_gi_13959559_sp_gi_1395959_sp_gi_13959559_sp_gi_1395959_sp_gi_1395959_sp_gi_1395959_sp_gi_1395959_sp_gi_13959_sp	00000000000	0000000000	0000000000	0000000000	0000000000
Gi_13633932_sp_ gi_13633932_sp_ gi_118573879_sp gi_13633915_sp_ gi_341942042_sp gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_13959559_sp_ gi_13633872_sp_ gi_13959539_sp_ gi_13959539_sp_ gi_13959539_sp_ gi_1264049_sp	0000000000	0000000000	0000000000	0000000000	0000000000
Gi_13633932_sp_ gi_118573879_sp_ gi_13633915_sp_ gi_341942042_sp_ gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_139595566_sp_ gi_13959559_sp_ gi_13633872_sp_ gi_13959539_sp_ gi_21264049_sp_ gi_66774168_sp_	00000000000	0000000000	0000000000	0000000000	0000000000
Gi_13633932_sp_ gi_118573879_sp_ gi_13633915_sp_ gi_341942042_sp_ gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_13959559_sp_ gi_13633872_sp_ gi_13959539_sp_ gi_13959539_sp_ gi_21264049_sp_ gi_66774168_sp_ gi_13959527_sp_		0000000000	0000000000	0000000000	0000000000
Gi_13633932_sp_ gi_118573879_sp_ gi_13633915_sp_ gi_341942042_sp_ gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_13959559_sp_ gi_13633872_sp_ gi_13959539_sp_ gi_21264049_sp_ gi_66774168_sp_ gi_13959527_sp_ gi_51338669_sp_		0000000000	0000000000	0000000000	0000000000
gi_13633932_sp_ gi_118573879_sp gi_13633915_sp_ gi_341942042_sp gi_341942042_sp gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_13959559_sp_ gi_13633872_sp_ gi_13959539_sp_ gi_21264049_sp_ gi_21264049_sp_ gi_66774168_sp_ gi_13959527_sp_ gi_51338669_sp_ gi 60414603_sp		0000000000	0000000000	0000000000	
gi_13633932_sp_ gi_118573879_sp gi_13633915_sp_ gi_341942042_sp gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_13959559_sp_ gi_13633872_sp_ gi_13959539_sp_ gi_21264049_sp_ gi_66774168_sp_ gi_13959527_sp_ gi_51338669_sp_ gi_60414603_sp_ gi_17949830_sp		0000000000	0000000000	0000000000	
Gi_13633932_sp_ gi_118573879_sp_ gi_13633915_sp_ gi_341942042_sp_ gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_13959559_sp_ gi_13959559_sp_ gi_13633872_sp_ gi_21264049_sp_ gi_21264049_sp_ gi_66774168_sp_ gi_13959527_sp_ gi_51338669_sp_ gi_60414603_sp_ gi_17949830_sp_ gi_13633871_sp_		0000000000	0000000000	0000000000	0000000000
gi_13633932_sp_ gi_118573879_sp gi_13633915_sp_ gi_341942042_sp gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_139595566_sp_ gi_13959559_sp_ gi_13633872_sp_ gi_13959539_sp_ gi_21264049_sp_ gi_66774168_sp_ gi_51338669_sp_ gi_51338669_sp_ gi_60414603_sp_ gi_17949830_sp_ gi_13633871_sp_ gi_13633871_sp_ gi_13633914_sp_			0000000000	0000000000	
gi_13633932_sp_ gi_118573879_sp gi_13633915_sp_ gi_341942042_sp gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_139595566_sp_ gi_13959559_sp_ gi_13633872_sp_ gi_13959539_sp_ gi_21264049_sp_ gi_66774168_sp_ gi_13959527_sp_ gi_51338669_sp_ gi_51338669_sp_ gi_17949830_sp_ gi_13633871_sp_ gi_13633914_sp_ gi 75041393_sp			0000000000	0000000000	
Gi_13633932_sp_ gi_118573879_sp_ gi_13633915_sp_ gi_341942042_sp_ gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_13959566_sp_ gi_13959559_sp_ gi_13633872_sp_ gi_13959539_sp_ gi_21264049_sp_ gi_66774168_sp_ gi_13959527_sp_ gi_51338669_sp_ gi_13633871_sp_ gi_13633914_sp_ gi_75041393_sp_ gi_75041393_sp_ gi_110826300_sp_		0000000000	0000000000	0000000000	0000000000
Gi_13633932_sp_ gi_118573879_sp_ gi_13633915_sp_ gi_341942042_sp_ gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_13959559_sp_ gi_13959559_sp_ gi_13633872_sp_ gi_13959539_sp_ gi_21264049_sp_ gi_66774168_sp_ gi_51338669_sp_ gi_51338669_sp_ gi_51338669_sp_ gi_17949830_sp_ gi_117949830_sp_ gi_13633871_sp_ gi_13633914_sp_ gi_75041393_sp_ gi_75041393_sp_ gi_110826300_sp_ gi_21264050_sp			0000000000	0000000000	
Gi_13633932_sp_ gi_118573879_sp gi_13633915_sp_ gi_13633915_sp_ gi_341942042_sp gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_13959559_sp_ gi_13633872_sp_ gi_13959539_sp_ gi_21264049_sp_ gi_66774168_sp_ gi_51338669_sp_ gi_13959527_sp_ gi_51338669_sp_ gi_14603_sp_ gi_17949830_sp_ gi_13633871_sp_ gi_13633871_sp_ gi_13633914_sp_ gi_75041393_sp_ gi_110826300_sp_ gi_21264050_sp_ gi_341942043_sp_			0000000000	0000000000	0000000000
Gi_13633932_sp_ gi_118573879_sp gi_13633915_sp_ gi_341942042_sp gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_13959559_sp_ gi_13959559_sp_ gi_13633872_sp_ gi_13959539_sp_ gi_21264049_sp_ gi_66774168_sp_ gi_51338669_sp_ gi_51338669_sp_ gi_17949830_sp_ gi_117949830_sp_ gi_13633871_sp_ gi_13633914_sp_ gi_13633914_sp_ gi_75041393_sp_ gi_110826300_sp_ gi_21264050_sp_ gi_341942043_sp_ gi_341942043_sp_ gi_13959528_sp_				0000000000	
Gi_13633932_sp_ gi_118573879_sp gi_13633915_sp_ gi_341942042_sp gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_13959556_sp_ gi_13959559_sp_ gi_13633872_sp_ gi_13959539_sp_ gi_21264049_sp_ gi_66774168_sp_ gi_13959527_sp_ gi_51338669_sp_ gi_13959527_sp_ gi_13633871_sp_ gi_17949830_sp_ gi_13633914_sp_ gi_13633914_sp_ gi_75041393_sp_ gi_13633914_sp_ gi_75041393_sp_ gi_110826300_sp_ gi_21264050_sp_ gi_341942043_sp_ gi_13959561_sp_ gi_13959561_sp_				0000000000	
Gi_13633932_sp_ gi_118573879_sp gi_13633915_sp_ gi_341942042_sp gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_13959556_sp_ gi_13959559_sp_ gi_13633872_sp_ gi_13959539_sp_ gi_21264049_sp_ gi_66774168_sp_ gi_51338669_sp_ gi_51338669_sp_ gi_51338669_sp_ gi_17949830_sp_ gi_17949830_sp_ gi_13633871_sp_ gi_13633914_sp_ gi_116826300_sp_ gi_341942043_sp_ gi_13959561_sp_ gi_116256078_sp_ gi_116256078_sp_				0000000000	
Gi_13633932_sp_ gi_118573879_sp gi_13633915_sp_ gi_341942042_sp gi_82121811_sp_ gi_21264062_sp_ gi_13959533_sp_ gi_13959556_sp_ gi_13959559_sp_ gi_13633872_sp_ gi_13959539_sp_ gi_21264049_sp_ gi_66774168_sp_ gi_13959527_sp_ gi_51338669_sp_ gi_13959527_sp_ gi_13633871_sp_ gi_17949830_sp_ gi_13633914_sp_ gi_13633914_sp_ gi_75041393_sp_ gi_13633914_sp_ gi_75041393_sp_ gi_110826300_sp_ gi_21264050_sp_ gi_341942043_sp_ gi_33959561_sp_ gi_13959561_sp_				0000000000	

```
gi_115502451_spEGGGCGRSEV RPVAPRRPRD AVGQRGAQGA GRRRRAGGPP RPMSEPGAGA
qi_13959573_sp_----- ---- ----- ----- ----- -----
gi_13959541_sp_----- ----- ------ ------
qi_13959538_sp_------ ----- ------ ------
qi_13959529_sp_----- ----- ------ ------
        Consistency
        gi_118573879_sp------ ----- ----- ----- M---N VTSLFS---- -------
gi_13633915_sp_----- ---- ---- ---- M---N VTSLFS---- ------
qi_341942042_sp------ ----- ----- ----- M--- N VTSLFS---- -------
gi_82121811_sp_----- ---- ----- ----- ----- M--TS MASLFS---- -------
qi_21264062_sp_----- ---- ---- ---- ---- M--TS MSSLFS---- -------
qi 13959533_sp_----- ---- ----- ----- ----<mark>M</mark>--<mark>TS MASLFS</mark>---- -------
gi_13959559_sp_----- ---- ----- ----- ----- M--TS MASLFS---- -------
gi_13633872_sp_----- ---- ----- ----- M---N VTSLFS---- -------
gi_21264049_sp_----- ---- ----- ----- M--- N VTSLFS---- -------
gi_66774168_sp_----- ---- ----- --<mark>MHPS</mark>--TP ISSLFS---- -------
gi_13959527_sp_----- ---- ----- --<mark>MHPS</mark>--TP ISSLFS---- -------
qi_51338669_sp_----- ---- ---- --- MSSILP---- -----
gi_117949830_sp----- ---- ---- MSSILP---- -----
qi 75041393 sp ----- ---- ---- MSSILP---- -----
gi_21264050_sp_---- --- --- --- MSSILP---- -----
gi_341942043_sp----- ---- ----- --<mark>mdnmsitn tptsnd</mark>---- -------
qi 13959528 sp ----- --- ---- --<mark>MDNMSITN TPTSND</mark>---- ------
gi_116256078_sp----- ---- ----- --<mark>MDNMSITN TPTSND</mark>---- ------
gi_13959540_sp_GGSPLDVAEP GGPGWLPESD CETVTCCLFS ERDAAGAPRD SGDPQARQSP
gi_115502451_spGSSLLDVAEP GGPGWLPESD CETVTCCLFS ERDAAGAPRD ASDPLAGAAL
gi_13959573_sp_-----QRM AQPRRAQEGE GRPVRCCLFA ERPGPELPPP PPPPPPGG--
gi_13959541_sp_-----ATD GRAYGAGGGG AGRAGCCLGK AVRGAK---- -------
gi_13959538_sp_-----ATD SRAHGAGGGG PGRAGCCLGK AVRGAK---- -------
gi_13959529_sp_-----ATD GRAYGAGGGG AGRAGCCLGK AVRGAK---- ------
        000000000 000000000 00000<mark>30013 557545</mark>0000 0000000000
Consistency
         gi_118573879_sp-----FT SPAVKRLLGW KQ----- -----GDEE EKWAEKAVDA
gi_341942042_sp-----<mark>FT</mark>
                 SPAVKRLLGW KQ----- ----GDEE EKWAEKAVDA
gi_82121811_sp_-----FT
                 SPAVKRLLGW KQ------ ----GDEE EKWAEKAVDA
gi_13959533_sp_-----<mark>FT</mark>
                 SPAVKRLLGW KQ----- ----GDEE EKWAEKAVDA
SPAVKRLLGW KQ----- ----GDEE EKWAEKAVDA
gi_13959559_sp_-----FT
gi_13633872_sp_-----FT
                 SPAVKRLLGW KQ------ ----GDEE EKWAEKAVDA
qi 13959539 sp -----FT SPAVKRLLGW KQ----- ----- GDEE EKWAEKAVDS
                 SPAVKRLLGW KQ------ ----GDEE EKWAEKAVDA
gi_21264049_sp_----<mark>FT</mark>
gi_66774168_sp_-----FT SPAVKRLLGW KQ----- -----GDEE EKWAEKAVDS
qi_13959527_sp_-----FT SPAVKRLLGW KQ----- -----GDEE EKWAEKAVDS
qi_51338669_sp_-----FT PPIVKRLLGW KK----- --- GEQNGQE EKWCEKAVKS
gi_60414603_sp_-----FT PPIVKRLLGW KK----- ---GEQNGQE
gi_117949830_sp-----FT PPVVKRLLGW KKSAGGSG-G AGGGEQNGQE EKWCEKAVKS
gi_13633871_sp_-----FT PPVVKRLLGW KKSAGGSG-G AGGGEQNGQE EKWCEKAVKS
gi_13633914_sp_-----FT PPVVKRLLGW KKSAGGSG-G AGGGEQNGQE EKWCEKAVKS
gi_75041393_sp_-----FT PPVVKRLLGW KKSAGGSG-G AGGGEQNGQE EKWCEKAVKS
gi_110826300_sp-----FT PPVVKRLLGW KKSAGGSG-G AGGGEQNGQE EKWCEKAVKS
gi_21264050_sp_-----FT PPVVKRLLGW KKSASGSSGA GGGGEONGQE EKWCEKAVKS
gi_341942043_sp-----AC LSIVHSLMCH RQ----- -----GGES ETFAKRAIES
qi_13959528_sp_-----AC LSIVHSLMCH RQ----- -----GGES ETFAKRAIES
gi_13959561_sp_-----AC LSIVHSLMCH RQ----- -----GGES ETFAKRALES
gi_116256078_sp-----AC LSIVHSLMCH RQ----- ----- GGES ETFAKRALES
qi 13959531 sp -----AC LSIVHSLMCH RO----- -----GGES ETFAKRAIES
qi 13959540 sp EPEEGGGPRS REARSRLLLL ----- ---- EQELKTVTYS
gi_115502451_spEP--AGGGRS REARSRLLLL ----- ---- EQELKTVTYS
qi 13959573 sp -----<mark>AS PPGPGGGEAR SR</mark>----- ---- LVLL ERELKAVTYA
gi_13959541_sp_-----GH HHPHPPTSGA GA----- ----AGGA EADLKALTHS
```



```
qi_13633932_sp_--VIYCRVWR WPDLQSHHEL KPLECCE-FP FGSKQKEVCI NPYHYKRVES
gi_118573879_sp--VIYCRVWR WPDLQSHHEL KPLECCE-FP FGSKQKEVCI NPYHYKRVES
qi_13633915_sp_--VIYCRVWR WPDLQSHHEL KPLECCE-FP FGSKQKEVCI NPYHYKRVES
gi_341942042_sp--VIYCRVWR WPDLQSHHEL KPLECCE-FP FGSKQKEVCI NPYHYKRVES
gi_82121811_sp_--VIYCRVWR WPDLQSHHEL KPLDICE-FP FGSKQKEVCI NPYHYKRVES
gi_21264062_sp_--VIYCRVWR WPDLQSHHEL KPLEVCE-YP FGSKQKEVCI NPYHYKRVES
gi_13959533_sp_--VIYCRVWR WPDLQSHHEL KPLDICE-FP FGSKQKEVCI NPYHYKRVES
gi_13959566_sp_--VIYCRVWR WPDLQSHHEL KPLDICE-FP FGSKQKEVCI NPYHYKRVES
gi_13959559_sp_--VIYCRVWR WPDLQSHHEL KPLDICE-FP FGSKQKEVCI NPYHYKRVES
gi_13633872_sp_--VIYCRVWR WPDLQSHHEL KPLECCE-FP FGSKQKEVCI NPYHYKRVES
qi_13959539_sp_--VIYCRVWR WPDLQSHHEL KPLECCE-FP FGSKQKEVCI NPYHYRRVET
gi_21264049_sp_--VIYCRVWR WPDLQSHHEL KALECCE-FP FGSKQKDVCI NPYHYKRVDS
gi_66774168_sp_--VIYCRVWR WPDLQSHHEL KPLECCE-FP FGSKQKEVCI NPYHYRRVET
gi_13959527_sp_--VIYCRVWR WPDLQSHHEL KPLECCE-FP FGSKQKEVCI NPYHYRRVET
gi_51338669_sp_--VIYCRLWR WPDLHSHHEL RAMELCE-FA FNMKKDEVCV NPYHYQRVET
gi_60414603_sp_--VIYCRLWR WPDLHSHHEL RAMEMCE-YA FNMKKDEVCV NPYHYQRVET
gi_117949830_sp--VIYCRLWR WPDLHSHHEL KAIENCE-YA FNLKKDEVCV NPYHYQRVET
gi_13633871_sp_--VIYCRLWR WPDLHSHHEL KAIENCE-YA FSLKKDEVCV NPYHYQRVET
gi_13633914_sp_--VIYCRLWR WPDLHSHHEL KAIENCE-YA FNLKKDEVCV NPYHYQRVET
gi_75041393_sp_--VIYCRLWR WPDLHSHHEL KAIENCE-YA FNLKEDEVCV NPYHYQRVET
gi_110826300_sp--VIYCRLWR WPDLHSHHEL KAIENCE-YA FNLKKDEVCV NPYHYQRVET
qi_21264050_sp_--VIYCRLWR WPDLHSHHEL RAIETCE-YA FNLKKDEVCV NPYHYQRVET
gi_341942043_sp--VIYARLWR WPDLH-KNEL KHVKYCQ-YA FDLKCDSVCV NPYHYERVVS
gi_13959528_sp_--VIYARLWR WPDLH-KNEL KHVKYCQ-YA FDLKCDSVCV NPYHYERVVS
qi_13959561_sp_--VIYARLWR WPDLH-KNEL KHVKYCQ-YA FDLKCDSVCV NPYHYERVVS
gi_116256078_sp--VIYARLWR WPDLH-KNEL KHVKYCQ-YA FDLKCDSVCV NPYHYERVVS
gi_13959531_sp_--VIYARLWR WPDLH-KNEL KHVKYCQ-YA FDLKCDSVCV NPYHYERVVS
gi_13959540_sp_--LLLGRLFR WPDLQHAVEL KPLCGCHSFT AAADGPTVCC NPYHFSRLCG
gi_115502451_sp--LLLGRLFR WPDLQHAVEL KPLCGCHSFA AAADGPTVCC NPYHFSRLCG
gi_13959573_sp_--LLLGKLFR WPDLQHPAEL KALCECQ-SF GAADGPTVCC NPYHFSRLCG
qi 13959541 sp --LLLCKVFR WPDLRHSSEV KRLCCCE-SY GKINPELVCC NPHHLSRLCE
gi_13959538_sp_tplllckvfr wpdlrhssev krlccce-sy gkinpelvcc nphhlsrlce
gi_13959529_sp_--LLLCKVFR WPDLRHSSEV KRLCCCE-SY GKINPELVCC NPHHLSRLCE
Consistency
           008977988* ****6566*9 94853<mark>*80</mark>65 7557456**7 **9*86*856
           gi_13633932_sp_PVLPPVLVPR HSEYNPQHSL LAQFRNL--- -----G -QNEPHMPHN
gi_118573879_spPVLPPVLVPR HSEYNPQHSL LAQFRNL--- -----G -QNEPHMPLN
gi_13633915_sp_PVLPPVLVPR HSEYNPQHSL LAQFRNL--- -----G -QNEPHMPLN
gi_341942042_spPVLPPVLVPR HSEYNPQHSL LAQFRNL--- ----- G -QNEPHMPLN
gi_82121811_sp_PVLPPVLVPR HSEFNPQHSL LVQFRNL--- ----S -HNEPHMPHN
gi_21264062_sp_PVLPPVLVPR HSEFNPQHSL LVQFRNL--- -----S -HNEPHMPLN
gi_13959533_sp_PVLPPVLVPR HNEFNPQHSL LVQFRNL--- ----S -HNEPHMPQN
qi_13959566_sp_PVLPPVLVPR HNEFNPQHSL LVQFRNL--- ----S -HNEPHMPQN
gi_13959559_sp_PVLPPVLVPR HNEFNPQHSL LVQFRNL--- ----S -HNEPHMPQN
qi_13633872_sp_PVLPPVLVPR HSEYNPQHSL LAQFRNL--- ----G -QNEPHMPLN
qi_13959539_sp_PVLPPVLVPR HSEYNPQLSL LAKFRSA--- ----S LHSEPLMPHN
gi_21264049_sp_PVLPPVLVPR NSEFNAKLSM LPRFRNP--- ----- L HQTEPPMPQN
gi_66774168_sp_PVLPPVLVPR HSEYNPQLSL LAKFRSA--- ----- S LHSEPLMPHN
gi_13959527_sp_PVLPPVLVPR HSEYNPQLSL LAKFRSA--- ----- S LHSEPLMPHN
gi_51338669_sp_PVLPPVLVPR HTEIPAEFPP LDDY----- -----------------SHSIPEN
qi 60414603 sp PVLPPVLVPR HTEIPAEFPP LDDY----- ----SHSIPEN
gi_117949830_spPVLPPVLVPR HTEILTELPP LDDY----- ---- --- THSIPEN
qi_13633871_sp_PVLPPVLVPR HTEILTELPP LDDY----- ---- --- THSIPEN
gi_13633914_sp_PVLPPVLVPR HTEILTELPP LDDY----- ---- --- THSIPEN
gi_75041393_sp_PVLPPVLVPR HTEILTELPP LDDY----- ---- --- THSIPEN
gi_110826300_spPVLPPVLVPR HTEILTELPP LDDY----- ----- --- THSIPEN
gi_21264050_sp_PVLPPVLVPR HTEILTELPP LDDY----- ----- ---- TNSIPEN
gi_341942043_spPGIDLSGLTL QSN-APSMLV KDEYVHDFEG QPSLPTEGHS IQTIQHPPSN
gi_13959528_sp_PGIDLSGLTL QSNAPPSMLV KDEYVHDFEG QPSLPTEGHS IQTIQHPPSN
gi_13959561_sp_PGIDLSGLTL QSNAPSSMMV KDEYVHDFEG QPSLSTEGHS IQTIQHPPSN
gi_116256078_spPGIDLSGLTL QSNAPPSMLV KDEYVHDFEG QPSLSTEGHS IQTIQHPPSN
gi_13959531_sp_PGIDLSGLTL QSNAPSGMLV KDEYVHDFEG QPSLATEGHS IQTIQHPPSN
qi 13959540 sp PESPP---PP YSRLSPP--- ------ ----- ----- DQYKP
gi_115502451_spPESPP---PP YSRLSPR--- ------ ----- ----- DEYKP
gi_13959573_sp_PESPP---PP YSRLSPN--- ------ ----- ----- DEOKP
gi_13959541_sp_LESPP---PP YSRYPMD--- ------ ----- FLKPT
gi_13959538_sp_<mark>LESPP---PP YSRYPMD</mark>--- ------ ----- ----- FLKPT
qi_13959529_sp_LESPP---PP_YSRYPMD--- ------ ----- ----- FLKPT
           8578754585 6775456333 534522<mark>1000 0000000002 0</mark>223345747
Consistency
```

gi_13633932_sp_ATFPDSFQQP NSHPFPHSPN -----SSYP NSPGSSSSTY PHSPAS----

```
----SSYP NSPGSSSTY PHSPTS----
qi_118573879_spATFPDSFQQP
                       NSHPFPHSPN
gi_13633915_sp_ATFPDSFQQP
                       NSHPFPHSPN
                                   ----SSYP NSPGSSSSTY PHSPTS----
gi_341942042_spATFPDSFQQP
                                        --SSYP NSPGGSSSTY PHSPTS----
                       NSHPFPHSPN
gi_82121811_sp_ATFPDSFQQP
                       NSTPFSISPN
                                    ----SPYP PSPA--SSTY PSSPAS----
gi 21264062 sp ATFPESFOOH
                       SGGSSFPISP
                                       --NSPY PPSPASSGTY PNSPAS----
                                    ----<mark>spyp pspa--ss</mark>ty pnspa<mark>s</mark>----
gi_13959533_sp_ATFPDSFHQP
                       NSTPFPLSPN
gi_13959566_sp_ATFPDSFHQP
                                    ----SPYP PSPA--SSTY PNSPAS----
                       NNTPFPLSPN
gi_13959559_sp_ATFPDSFHOP
                       NNAPFPLSPN
                                        --SPYP PSPA--SSTY PNSPA<mark>S</mark>----
gi_13633872_sp_ATFPDSFQQP
                        HSHPFAQYPN
                                    ----SSYP NSPGSSSSTY PHSPTS----
gi_13959539_sp_ATYPDSFQQP
                       PCSALPPSPS
                                   -----HAFS QSPC--TASY PHSPGS----
gi_21264049_sp_ATFPDSFPQQ
                       PANALPFTPN SPTNSYPSSP NSGTGSTATF PHSPSS----
qi_66774168_sp_ATYPDSFQQS
                        LCPAP----
gi_13959527_sp_ATYPDSFQQS
                       LGPAP----
                                       _____ ____
                        QSNI-PETPP
gi_51338669_sp_TNFPAGI-EP
                                       ---PGYL SEDG--ET<mark>S</mark>D HQMNH<mark>S</mark>----
gi_60414603_sp_TNFPAGI-EP
                        OSNYIPETPP
                                     ----PGYL SEDG--ETSD HQMNPS----
                                      ---PGYI SEDG--ETSD QQLNQS----
gi_117949830_spTNFPAGI-EP
                       QSNYIPETPP
                                    -----PGYI SEDG--ET<mark>S</mark>D QQLNQ<mark>S</mark>----
gi_13633871_sp_TNFPAGI-EP
                        QSNYIPETPP
gi_13633914_sp_TNFPAGI-EP
                        QSNYIPETPP
                                    -----PGYI SEDG--ETSD QQLNQS----
                                    ----PGYI SEDG--ETSD QQLNQS----
gi_75041393_sp_TNFPAGI-EP
                       QSNYIPETPP
                                   ----PGYI SEDG--ETSD QQLNQS----
gi_110826300_spTNFPAGI-EP
                        QSNYIPETPP
                       PNNYIPETPP -----PGYI SEDG--EASD QQMNQ<mark>S</mark>----
gi_21264050_sp_TNFPTGI-EP
gi_341942043_spRASTETYSAP
                       ALLAPAESNA TSTTNFPNIP VASTSQPASI LAGSH<mark>SEGLL</mark>
qi_13959528_sp_RASTETYSAP
                        ALLAPSESNA TSTINFPNIP VASTSQPASI LAGSHSEGLL
qi_13959561_sp_RASTETYSTP
                       ALLAPSESNA TSTANFPNIP VASTSQPASI LGGSHSEGLL
gi_116256078_spRASTETYSTP
                       ALLAPSESNA TSTTNFPNIP VASTSQPASI LAGSHSEGLL
gi 13959531 sp RASTETYSTP
                        ALLAPSESNA TSTTNFPNIP VASTSQPASI LAGSHSEGLL
gi_13959540_sp_LDLSDSTLSY
                       TETEATNSL-
gi 115502451 spLDLSDSTLSY
                       TETEATNSL-
qi 13959573 sp LDLSDSTLSY
                       TETEATNSP-
gi_13959541_sp_AGCPDAVPSS
                       AETGGTN---
qi 13959538 sp ADCPDAVPSS
                       AETGGTN---
gi_13959529_sp_ADCPDAVPSS_DETGGTN---
                                   ______
Consistency
            555<mark>7665266 4443343542 000000</mark>3232 2333<mark>003342 222325</mark>0000
            gi_13633932_sp_---SDPGSPF QMPADTPPPA YLPPEDQMTH DTSQPMDT-- -NMMAPGIHP
gi_118573879_sp---SDPGSPF QMPADTPPPA YLPPEDPMTQ DGSQPMDT-- -NMMAPSLPS
qi_13633915_sp_---SDPGSPF QMPADTPPPA YLPPEDPMTQ DGSQPMDT-- -NMMAPPLPS
gi_341942042_sp---SDPGSPF QMPADTPPPA YLPPEDPMAQ DGSQPMDT-- -NMMAPPLPA
gi_82121811_sp_---SGPSSPF QLPADTPPPA YMPPDDQMGQ DNSQSMDTS- -NTMIPQIMP
gi_21264062_sp_---SGPSSPF QLPADTPPPA YMPPDEQMGQ DGSQSMETG- -SSLAPQ---
gi_13959533_sp_---SGPGSPF QLPADTPPPA YMPPDDQMGQ DNSQPMDTS- -NNMIPQIMP
gi_13959566_sp_---SGPGSPF QLPADTPPPA YMPPDDQMGQ DNSQPMDTS- -NNMIPQIMP
gi_13959559_sp_---SGPGSPF QLPADTPPPA YMPPDDQMAP DNSQPMDTS- -SNMIPQTMP
gi_13633872_sp_---SDPGSPF QMPADTPPPA YLPPEDPMAQ DGSQPMDTNM TNMTAPTLPA
gi_13959539_sp_--PSEPESPY QHSVDTPPLP YHATEASETQ SG-QPVDA-- --TADRHVVL
gi_21264049_sp_---SDPGSPF QMP-ETPPPA YMPPEEPMTQ DCPQPMDTN- -LLAPNLPLE
gi_66774168_sp_----PSSPG HVFPQSPCPT SYPHSPGSPS ESDSPYQH--
qi_13959527_sp_----PSSPG HVFPQSPCPT SYPQSPGSPS ESDSPYQH
gi_51338669_sp_---MDAGSPN -LSPNPMSPA HNN-----
gi_60414603_sp_---MDAGSPN -LSPNPMSPA HNN-----
gi_117949830_sp---MDTGSPA ELSPTTLSPV
                                   NHS
gi_13633871_sp_---MDTGSPA ELSPTTLSPV
                                   NHS
gi_13633914_sp_---MDTGSPA ELSPTTLSPV NHS
gi_75041393_sp_---MDTGSPA ELSPTTLSPV NHS
gi_110826300_sp---MDTGSPA ELSPTTLSPV NHS-
gi_21264050_sp_---MDTGSPA ELSPSTLSPV NHG----- ---- ---- ---- -----
gi_341942043_spQIASGPQPGQ QQNGFTAQPA TYHHNSTTTW TGSRTAPYTP NLPHHQNGHL
gi_13959528_sp_QIASGPQPGQ QQNGFTAQPA TYHHNSTTTW TGSRTAPYTP NLPHHQNGHL
gi_13959561_sp_QIASGPQPGQ QQNGFTGQPA TYHHNSTTTW TGSRTAPYTP
gi_116256078_spQIASGPQPGQ QQNGFTGQPA TYHHNSTTTW TGGRTAPYTP NLPHHQNGHL
gi_13959531_sp_QIASGPQPGQ QQNGFTGQPA TYHHNSTTTW TGSRTAPYPP NLPHHQNGHL
qi 13959540 sp ----<mark>ITAPG EFSDASMS</mark>-- ----- ---- ----- -----
qi_115502451_sp----<mark>ITAPG EFSDASMS</mark>-- ----- ----- ------
gi_13959573_sp_----NVTPG EFSDASTS-- ----- ---- ---- -----
gi_13959541_sp_----<mark>YLAPG GLSDSQLL</mark>-- ----- ---- ----- -----
gi_13959538_sp_-----YLAPG GLSDSQLL-- ------ ------
gi_13959529_sp_----<mark>YLAPG GLSDSQLL</mark>-- ----- ---- ----- -----
            Consistency
            gi_13633932_sp_D------ ----- IHR GDVQA--VAY EEPKHWCSIV YYELNNRVGE gi_118573879_spE------ ------ INR GDVQA--VAY EEPKHWCSIV YYELNNRVGE
gi_13633915_sp_E----- ---- INR GDVQA--VAY EEPKHWCSIV YYELNNRVGE
gi_341942042_spE------ ---- ISR GDVQA--VAY EEPKHWCSIV YYELNNRVGE
```

_				
gi_82121811_sp_ <mark>N</mark>	IST	RDVQPVAY	E E P K H W C S I V	YYELN <mark>N</mark> RVGE
gi_21264062_sp_N	MPR	GDVQPVEY	OEPSHWCSIV	YYELNNRVGE
gi_13959533_sp_ <mark>S</mark>	ISS	RDVQPVAY	EEPKHWCSIV	YYELNNRVGE
				_
gi_13959566_sp_ <mark>S</mark>	ISS	RDVQPVAY	EEPKHWCSIV	YYELNNRVGE
gi_13959559_sp_ <mark>S</mark>	<mark>ISS</mark>	RDVQPVAY	E E P K H W C S I V	YYELN <mark>N</mark> RVGE
gi_13633872_sp_ <mark>E</mark>	INR	GDVQAVAY	EEPKHWCSIV	Y Y E L N N R V G E
gi_13959539_sp_ <mark>S</mark>	IPN	GDFRPVCY	EEPQHWCSVA	YYELNNRVGE
gi_21264049_sp_ <mark>I</mark>	<mark>SNR</mark>	TDVHPVAY	QEPKHWCSIV	YYE LNNRVGE
gi_66774168_sp		SDFRPVCY	E E P Q H W C S V A	YYELN <mark>N</mark> RVGE
gi_13959527_sp		SDFRPVCY	EEPLHWCSVA	Y Y E L N N R V G E
gi_51338669_sp		LDLQPVTY	CEPAFWCSIS	YYELNQRVGE
				_
gi_60414603_sp		TDT QP VTY	CEPAFWCSIS	YYE LNQRVGE
gi_117949830_sp		LDLQPVTY	SEPAFWCSIA	YYELNQRVGE
gi_13633871_sp		LDLQPVTY	SEPAFWCSIA	YYELNQRVGE
gi_13633914_sp		LDLQPVTY	SEPAFWCSIA	YYELNORVGE
			SEPAFWCSIA	
gi_75041393_sp		LDLQPVTY		YYE LNQRVGE
gi_110826300_sp		LDLQPVTY	SEP A F W C S I A	Y Y E L N Q R V G E
gi_21264050_sp		MDLQPVTY	SEP <mark>AFWC</mark> SIA	YYELNQRVGE
gi_341942043_sp <mark>QHHPPMPPHP</mark>	GHYWPV-HNE	LAFQPPISNH	PAPEYWCSIA	Y F E M D V Q V G E
gi_13959528_sp_QHHPPMPPHP	GHYWPV-HNE	LAFQPPISNH	PAPEYWCSIA	YFEMDVQVGE
_				
gi_13959561_sp_QHHPPMPPHP	GHYWPV-HNE	LAFQPPISNH	PAPEYWCSIA	Y F E M D V Q V G E
gi_116256078_sp <mark>QHHPPMPPHP</mark>	GHYWPPVHNE	LAFQPPISNH	PAPEYWCSIA	Y F E M D V Q V G E
gi_13959531_sp_ <mark>QHHPPMPPHP</mark>	GHYWPV-HNE	LAFQP <mark>PIS</mark> NH	PAPEYWCSIA	Y F E M D V Q V G E
gi_13959540_sp		PDA	TKPSHWCSVA	YWEHRTRVGR
gi_115502451_sp		PDA	TKPSHWCSVA	YWEHRTRVGR
_				_
gi_13959573_sp		<mark>PDA</mark>	VKR SHWC NVA	YWEHRTRVGR
gi_13959541_sp		<mark>LEP</mark>	GDRSHWCVVA	Y W E E K T R V G R
gi_13959538_sp		<mark>LEP</mark>	GDRSHWCVVA	YWEEKTRVGR
gi_13959529_sp		<mark>LEP</mark>	GDRSHWCVVA	YWEEKTRVGR
Consistency 100000000	0000000111	2545500646	47856**897	*7*67 <mark>5</mark> 8**8
	000000111	2343300040	2 / 0 J 0 H 0 J /	m / m 0 / <mark>3</mark> 0 m m 0
) 600
gi_13633932_sp_ <mark>AFHASST</mark> <mark>S</mark>	I L VD G F T D P S	NN <mark>K</mark> NR <mark>FCLG</mark> L	LSNVNRNSTI	ENTRRHIGKG
gi_118573879_sp <mark>AFHASST</mark> <mark>S</mark>	VLVDGFTDPS	NN <mark>K</mark> NR FCLG L	LSNVNRNSTI	ENTRRHIGKG
gi_13633915_sp_AFHASSTS	VLVDGFTDPS	NNKNRFCLGL	LSNVNRNSTI	ENTRRHIGKG
gi_341942042_spAFHASSTS	VLVDGFTDPS	NNKNRFCLGL	LSNVNRNSTI	ENTRRHIGKG
gi_82121811_sp_AFHASSTS	VLVDGFTDPS	NNKNRFCLGL	LSNVNRNSTI	ENTRRHIGKG
		MMKNKECHGL	TOWANTOIT	ENIKKHIGKG
gi_21264062_sp_ <mark>AYHASST</mark> <mark>S</mark>	VLVDGFTDPS	NNKNRFCLGL	LSNVNRNSTI	E <mark>NTRRHIGK</mark> G
gi_13959533_sp_ <mark>AFHASST</mark> <mark>S</mark>	VLVDGFTDPS VLVDGFTDPA	NNKNRFCLGL NNKSRFCLGL	LSNVNRNSTI LSNVNRNSTI	ENTRRHIGKG ENTRRHIGKG
				_
gi_13959533_sp_ <mark>AFHASST</mark> <mark>S</mark>	V <mark>L</mark> VD <mark>GFTD</mark> PA	NN <mark>KSRFCLG</mark> L	LSNVNRNSTI	ENTRRHIGKG
gi_13959533_sp_ <mark>AF HAS ST S</mark> gi_13959566_sp_AF HAS ST S gi_13959559_sp_ <mark>AF HAS ST S</mark>	VLVDGFTDPA VLVDGFTDPS VLVDGFTDPS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL	LSNVNRNSTI LSNVNRNSTI	ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG
gi_13959533_sp_AFHASSTS gi_13959566_sp_AFHASSTS gi_13959559_sp_AFHASSTS gi_13633872_sp_RFHASSTS	VLVDGFTDPA VLVDGFTDPS VLVDGFTDPS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL	LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI	ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S	VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL	LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI	ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S	VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLUDGFTDPS VLUDGFTDPS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL	LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI	ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S	VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL	LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI	ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S	VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLUDGFTDPS VLUDGFTDPS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL	LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI	ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S	VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLUDGFTDPS VLUDGFTDPS VLUDGFTDPS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL	LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI	ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_51338669_sp_TF HAS QP S	VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLUDGFTDPS VLUDGFTDPS VLIDGFTDPS VLIDGFTDPS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL	LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI LSNVNRNSTI	ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG ENTRRHIGKG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S	VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLUDGFTDPS VLUDGFTDPS VLIDGFTDPS VLIDGFTDPS VLIDGFTDPS MTVDGFTDPS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL	LSNVNRNSTI	ENTRRHIGKG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_51338669_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_17949830_sp TF HAS QP S	VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLUDGFTDPS VLIDGFTDPS VLIDGFTDPS VLIDGFTDPS VLIDGFTDPS MTVDGFTDPS MTVDGFTDPS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL	LSNVNRNSTI LSNVNRNAAV LSNVNRNAAV	ENTRRHIGKG ELTRRHIGRG ELTRRHIGRG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_51338669_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S	VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLUDGFTDPS VLUDGFTDPS VLIDGFTDPS VLIDGFTDPS VLIDGFTDPS MTVDGFTDPS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL	LSNVNRNSTI	ENTRRHIGKG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_51338669_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_17949830_sp TF HAS QP S	VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLUDGFTDPS VLIDGFTDPS VLIDGFTDPS VLIDGFTDPS VLIDGFTDPS MTVDGFTDPS MTVDGFTDPS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL	LSNVNRNSTI LSNVNRNAAV LSNVNRNAAV	ENTRRHIGKG ELTRRHIGRG ELTRRHIGRG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_51338669_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S	VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLIDGFTDPS VLIDGFTDPS VLIDGFTDPS LTVDGFTDPS LTVDGFTDPS	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NS-ERFCLGL NS-ERFCLGL	LSNVNRNSTI LSNVNRNAAV LSNVNRNAAV LSNVNRNAATV	ENTRRHIGKG ELTRRHIGRG ELTRRHIGRG EMTRRHIGRG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_51338669_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_75041393_sp_TF HAS QP S	VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLIDGFTDPS VLIDGFTDPS VLIDGFTDPS LTVDGFTDPS LTVDGFTDPS LTVDGFTDPS LTVDGFTDPS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL	L SNVNRNSTI L SNVNRNATV L SNVNRNATV L SNVNRNATV L SNVNRNATV	ENTRRHIGKG ELTRRHIGRG ELTRRHIGRG EMTRRHIGRG EMTRRHIGRG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_1338669_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_75041393_sp_TF HAS QP S gi_75041393_sp_TF HAS QP S	VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLUDGFTDPS VLIDGFTDPS VLIDGFTDPS LTVDGFTDPS LTVDGFTDPS LTVDGFTDPS LTVDGFTDPS	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL	L SNVNRNSTI L SNVNRNATV L SNVNRNATV L SNVNRNATV L SNVNRNATV L SNVNRNATV L SNVNRNATV	ENTRRHIGKG ENTRRHIGRG ELTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_75041393_sp_TF HAS QP S gi_75041393_sp_TF HAS QP S gi_110826300_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S	VLVD GFTD PS VLVD GFTD PS VLVD GFTD PS VLVD GFTD PS VLID GFTD PS VLID GFTD PS VLID GFTD PS VLID GFTD PS MTVD GFTD PS LTVD GFTD PS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL	L SNVNRNSTI L SNVNRNATV	ENTRRHIGKG ELTRRHIGRG ELTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_51338669_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_110826300_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_341942043_sp_TF KVP SS CP V	VLVD GFTD PS VLID GFTD PS VLID GFTD PS VLID GFTD PS VLID GFTD PS LTVD GFTD PS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL	L SNVNRNSTI L SNVNRNATI L SNVNRNAAV L SNVNRNAATV L SNVNRNATV	ENTRRHIGKG ENTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_75041393_sp_TF HAS QP S gi_75041393_sp_TF HAS QP S gi_110826300_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S	VLVD GFTD PS VLVD GFTD PS VLVD GFTD PS VLVD GFTD PS VLID GFTD PS VLID GFTD PS VLID GFTD PS VLID GFTD PS MTVD GFTD PS LTVD GFTD PS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL	L SNVNRNSTI L SNVNRNATV	ENTRRHIGKG ELTRRHIGRG ELTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_75041393_sp_TF HAS QP S gi_110826300_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_341942043_sp_TF KVP S S CP V gi_13959528_sp_TF KVP S S CP V	VLVD GFTD PS VLID GFTD PS VLID GFTD PS VLID GFTD PS VLID GFTD PS LTVD GFTD PS	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL	L SNVNRNSTI L SNVNRNATI L SNVNRNAAV L SNVNRNAATV L SNVNRNATV	ENTRRHIGKG ENTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_51338669_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_75041393_sp_TF HAS QP S gi_110826300_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_341942043_sp_TF KVP S S CP I gi_13959561_sp_TF KVP S S CP I	V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L I D G F T D P S V L I D G F T D P S V L I D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S V T V D G Y V D P S V T V D G Y V D P S	NNKSRFCLGL NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL OS-ERFCLGL OS-ERFCLGL OS-ERFCLGL OS-ERFCLGL OS-ERFCLGL OS-ERFCLGL OS-ERFCLGL OS-ERFCLGL	L SNVNRNSTI L SNVNRNATI L SNVNRNAAV L SNVNRNATV	ENTRRHIGKG ENTRRHIGRG ELTRRHIGRG EMTRRHIGRG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_51338669_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_110826300_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_341942043_sp_TF KVP SS CP I gi_13959561_sp_TF KVP SS CP I gi_13959561_sp_TF KVP SS CP I	V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L ID G F T D P S V L ID G F T D P S V L ID G F T D P S M T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S V T V D G Y V D P S V T V D G Y V D P S V T V D G Y V D P S	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL COMBON COMBO	L SNVNRNSTI L SNVNRNATI L SNVNRNATV	ENTRRHIGKG ENTRRHIGRG ELTRRHIGRG ELTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG ERARLHIGKG ERARLHIGKG ERARLHIGKG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_12264050_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_341942043_sp_TF KVP SS CP I gi_13959561_sp_TF KVP SS CP I gi_13959561_sp_TF KVP SS CP I gi_13959531_sp_TF KVP SS CP I	V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L ID G F T D P S V L ID G F T D P S V L ID G F T D P S M T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S V T V D G Y V D P S V T V D G Y V D P S V T V D G Y V D P S V T V D G Y V D P S V T V D G Y V D P S V T V D G Y V D P S V T V D G Y V D P S	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL CS-ERFCLGL CG-DRFCLGQ CGG-DRFCLGQ CGG-DRFCLGQ	L SNVNRNSTI L SNVNRNATI L SNVNRNATV	ENTRRHIGKG ENTRRHIGRG ELTRRHIGRG ELTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG ERARLHIGKG ERARLHIGKG ERARLHIGKG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_75041393_sp_TF HAS QP S gi_75041393_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_341942043_sp_TF KVP S S CP I gi_13959561_sp_TF KVP S S CP I gi_13959531_sp_TF KVP S S CP I gi_13959531_sp_TF KVP S S CP I gi_13959540_sp_TF KVP S S CP I	V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L ID G F T D P S V L ID G F T D P S V L ID G F T D P S M T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S V T V D G Y V D P S V T V D G Y V D P S V T V D G Y V D P S	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL OS-ERFCLGL	L SNVNRNSTI L SNVNRNATI L SNVNRNATV	ENTRRHIGKG ENTRRHIGRG ENTRRHIGRG EMTRRHIGRG ERARLHIGKG ERARLHIGKG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_110826300_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_341942043_sp_TF KVP SS CP I gi_13959561_sp_TF KVP SS CP I gi_13959561_sp_TF KVP SS CP I gi_13959531_sp_TF KVP SS CP I	V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L ID G F T D P S V L ID G F T D P S V L ID G F T D P S M T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S L T V D G F T D P S V T V D G Y V D P S V T V D G Y V D P S V T V D G Y V D P S V T V D G Y V D P S V T V D G Y V D P S V T V D G Y V D P S V T V D G Y V D P S	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL CS-ERFCLGL CG-DRFCLGQ CGG-DRFCLGQ CGG-DRFCLGQ	L SNVNRNSTI L SNVNRNATI L SNVNRNATV	ENTRRHIGKG ENTRRHIGRG ELTRRHIGRG ELTRRHIGRG EMTRRHIGRG ERARLHIGKG ERARLHIGKG ERARLHIGKG
gi_13959533_sp_AF HAS STS gi_13959566_sp_AF HAS STS gi_13959559_sp_AF HAS STS gi_13633872_sp_RF HAS STS gi_13959539_sp_TF QAS SRS gi_13959539_sp_TF QAS SRS gi_21264049_sp_AF LAS STS gi_66774168_sp_TF QAS SRS gi_13959527_sp_TF QAS SRS gi_13959527_sp_TF HAS QPS gi_60414603_sp_TF HAS QPS gi_17949830_sp_TF HAS QPS gi_13633871_sp_TF HAS QPS gi_13633914_sp_TF HAS QPS gi_13633914_sp_TF HAS QPS gi_110826300_sp_TF HAS QPS gi_21264050_sp_TF HAS QPS gi_21264050_sp_TF KVP SS CP I gi_13959561_sp_TF KVP SS CP I gi_13959561_sp_TF KVP SS CP I gi_13959531_sp_TF KVP SS CP I gi_13959540_sp_LYAVYD gi_115502451_sp_LYAVYD	V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L I D G F T D P S V L I D G F T D P S V L I D G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S V T VD G F T D P S V T VD G Y VD P S	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL OS-ERFCLGL	L SNVNRNSTI L SNVNRNAAV L SNVNRNAATV L SNVNRNATV L SNVHRTEAI L SNVHRTEAI L SNVHRTEAI L SNVHRTEAI	ENTRRHIGKG ENTRRHIGRG ENTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG ERARLHIGKG ERARLHIGKG ERARLHIGKG ERARLHIGKG ERARLHIGKG
gi_13959533_sp_ AF HAS ST S gi_13959566_sp_ AF HAS ST S gi_13959559_sp_ AF HAS ST S gi_13633872_sp_ RF HAS ST S gi_13959539_sp_ TF QAS SR S gi_21264049_sp_ AF LAS ST S gi_66774168_sp_ TF QAS SR S gi_13959527_sp_ TF QAS SR S gi_13959527_sp_ TF HAS QP S gi_60414603_sp_ TF HAS QP S gi_117949830_sp_ TF HAS QP S gi_13633871_sp_ TF HAS QP S gi_13633914_sp_ TF HAS QP S gi_110826300_sp TF HAS QP S gi_21264050_sp_ TF HAS QP S gi_341942043_sp TF KVP SS CP I gi_13959561_sp_ TF KVP SS CP I gi_13959531_sp_ TF KVP SS CP I gi_13959540_sp_ LY AVY D gi_13959573_sp_ LY AVY D gi_13959573_sp_ LY TVY E	VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLVDGFTDPS VLIDGFTDPS VLIDGFTDPS VLIDGFTDPS MTVDGFTDPS LTVDGFTDPS LTVDGYVDPS VTVDGYVDPS VTVDGYVDPS QAVSIFYDLP QAVSIFYDLP QAVSIFYDLP	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL OS-ERFCLGL	L SNVNRNSTI L SNVNRNATV L SNVHRTEAI	ENTRRHIGKG ENTRRHIGRG ELTRRHIGRG ELTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG ERARLHIGKG
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_136359558_sp_TF KVP SS CP I gi_13959561_sp_TF KVP SS CP I gi_13959531_sp_TF KVP SS CP I gi_13959531_sp_TF KVP SS CP I gi_13959540_sp_LYAVY D gi_13959573_sp_LYAVY D gi_13959573_sp_LYAVY D gi_13959573_sp_LYAVY D gi_13959573_sp_LYTVY E gi_13959541_sp_LYCVQ E	V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L ID G F T D P S V L ID G F T D P S V L ID G F T D P S M T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S V T V D G F T D P S	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL OS-ERFCLGL	L SNVNRNSTI L SNVNRNAAV L SNVNRNAATV L SNVNRNATV L SNVHRTEAI	ENTRRHIGKG ENTRRHIGRG ENTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG ERARLHIGKG
gi_13959533_sp_ AF HAS ST S gi_13959566_sp_ AF HAS ST S gi_13959559_sp_ AF HAS ST S gi_13633872_sp_ RF HAS ST S gi_13959539_sp_ TF QAS SR S gi_21264049_sp_ AF LAS ST S gi_66774168_sp_ TF QAS SR S gi_13959527_sp_ TF QAS SR S gi_13959527_sp_ TF HAS QP S gi_60414603_sp_ TF HAS QP S gi_13633871_sp_ TF HAS QP S gi_13633914_sp_ TF KVP S S CP I gi_341942043_sp TF KVP S S CP I gi_13959561_sp_ TF KVP S S CP I gi_13959531_sp_ TF KVP S S CP I gi_13959540_sp_ LY AVY D gi_13959573_sp_ LY AVY D gi_13959541_sp_ LY CVQ E gi_13959538_sp_ LY CVQ E	V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L ID G F T D P S V L ID G F T D P S V L ID G F T D P S M T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S V T VD G F T	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL OS-ERFCLGL	L SNVNRNSTI L SNVNRNAAV L SNVNRNAATV L SNVNRNATV L SNVHRTEAI L SNV	ENTRRHIGKG ENTRRHIGRG ELTRRHIGRG ELTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG ERARLHIGKG
gi_13959533_sp_ AF HAS ST S gi_13959566_sp_ AF HAS ST S gi_13959559_sp_ AF HAS ST S gi_13633872_sp_ RF HAS ST S gi_13959539_sp_ TF QAS SR S gi_21264049_sp_ AF LAS ST S gi_366774168_sp_ TF QAS SR S gi_13959527_sp_ TF QAS SR S gi_51338669_sp_ TF HAS QP S gi_60414603_sp_ TF HAS QP S gi_117949830_sp TF HAS QP S gi_13633871_sp_ TF HAS QP S gi_13633914_sp_ TF HAS QP S gi_110826300_sp TF HAS QP S gi_21264050_sp_ TF HAS QP S gi_341942043_sp TF KVP SS CP I gi_13959561_sp_ TF KVP SS CP I gi_13959531_sp_ TF KVP SS CP I gi_13959540_sp_ LY AVY D gi_13959573_sp_ LY TVY E gi_13959538_sp_ LY CVQ E gi_13959538_sp_ LY CVQ E gi_13959529_sp_ LY CVQ E	V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L ID G F T D P S V L ID G F T D P S V L ID G F T D P S V L ID G F T D P S V L ID G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S V T VD G F T D P S V T VD G F T D P S V T VD G Y V D P S V T V D G Y D P S V T V D G Y V D P S	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL OS-ERFCLGL	L SNVNRNSTI L SNVNRNAAV L SNVNRNAATV L SNVNRNATV L SNVHRTEAI L SNV	ENTRRHIGKG ENTRRHIGRG ELTRRHIGRG ELTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG ERARLHIGKG
gi_13959533_sp_ AF HAS ST S gi_13959566_sp_ AF HAS ST S gi_13959559_sp_ AF HAS ST S gi_13633872_sp_ RF HAS ST S gi_13959539_sp_ TF QAS SR S gi_21264049_sp_ AF LAS ST S gi_366774168_sp_ TF QAS SR S gi_13959527_sp_ TF QAS SR S gi_51338669_sp_ TF HAS QP S gi_60414603_sp_ TF HAS QP S gi_117949830_sp TF HAS QP S gi_13633871_sp_ TF HAS QP S gi_13633914_sp_ TF HAS QP S gi_110826300_sp TF HAS QP S gi_21264050_sp_ TF HAS QP S gi_341942043_sp TF KVP SS CP I gi_13959561_sp_ TF KVP SS CP I gi_13959531_sp_ TF KVP SS CP I gi_13959540_sp_ LY AVY D gi_13959573_sp_ LY TVY E gi_13959538_sp_ LY CVQ E gi_13959538_sp_ LY CVQ E gi_13959538_sp_ LY CVQ E	V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L ID G F T D P S V L ID G F T D P S V L ID G F T D P S M T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S V T VD G F T	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL OS-ERFCLGL	L SNVNRNSTI L SNVNRNAAV L SNVNRNAATV L SNVNRNATV L SNVHRTEAI L SNV	ENTRRHIGKG ENTRRHIGRG ELTRRHIGRG ELTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG ERARLHIGKG
gi_13959533_sp_ AF HASST S gi_13959566_sp_ AF HASST S gi_13959559_sp_ AF HASST S gi_13633872_sp_ RF HASST S gi_13959539_sp_ TF QASSR S gi_21264049_sp_ AF LASST S gi_66774168_sp_ TF QASSR S gi_13959527_sp_ TF QASSR S gi_51338669_sp_ TF HASQP S gi_60414603_sp_ TF HASQP S gi_13633871_sp_ TF HASQP S gi_13633914_sp_ TF HASQP S gi_13633914_sp_ TF HASQP S gi_13633914_sp_ TF HASQP S gi_13633914_sp_ TF KVPSSCP gi_13633914_sp_ TF KVPSSCP gi_13633914_sp_ TF KVPSSCP gi_13633914_sp_ TF KVPSSCP gi_13959528_sp_ TF KVPSSCP gi_13959528_sp_ TF KVPSSCP gi_13959531_sp_ TF KVPSSCP gi_13959540_sp_ LYAVY gi_13959573_sp_ LYTVY gi_13959538_sp_ LYCVQE gi_13959529_sp_ LYCVQE Gi_13959529_sp_ LYCVQE	V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S M T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S V T VD G F T	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL QG-DRFCLGQ GG-DRFCLGQ GG-DRFCLGQ QG-SGFCLGQ QG-SGFCLGQ QG-NGFCLGQ QG-NGFCLGQ QG-NGFCLGQ QG-NGFCLGQ QG-NGFCLGQ	L SNVNRNSTI L SNVNRNAAV L SNVNRNAATV L SNVNRNATV L SNVHRTEAI L SNV	E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G R G E LT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E R A R L H I G K G E R A
gi_13959533_sp_ AF HASST S gi_13959566_sp_ AF HASST S gi_13959559_sp_ AF HASST S gi_13633872_sp_ RF HASST S gi_13959539_sp_ TF QASSR S gi_21264049_sp_ AF LASST S gi_66774168_sp_ TF QASSR S gi_13959527_sp_ TF QASSR S gi_51338669_sp_ TF HASQP S gi_60414603_sp_ TF HASQP S gi_13633871_sp_ TF HASQP S gi_13633914_sp_ TF HASQP S gi_13633914_sp_ TF HASQP S gi_13633914_sp_ TF HASQP S gi_13633914_sp_ TF KVPSSCP gi_13633914_sp_ TF KVPSSCP gi_13633914_sp_ TF KVPSSCP gi_13633914_sp_ TF KVPSSCP gi_13959528_sp_ TF KVPSSCP gi_13959528_sp_ TF KVPSSCP gi_13959531_sp_ TF KVPSSCP gi_13959540_sp_ LYAVY gi_13959573_sp_ LYTVY gi_13959538_sp_ LYCVQE gi_13959529_sp_ LYCVQE Gi_13959529_sp_ LYCVQE	V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S M T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S V T VD G F T	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL QG-DRFCLGQ GG-DRFCLGQ GG-DRFCLGQ QG-SGFCLGQ QG-SGFCLGQ QG-NGFCLGQ QG-NGFCLGQ QG-NGFCLGQ QG-NGFCLGQ QG-NGFCLGQ	L SNVNRNSTI L SNVNRNAAV L SNVNRNAATV L SNVNRNATV L SNVHRTEAI L SNV	ENTRRHIGKG ELTRRHIGRG ELTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG EMTRRHIGRG ERARLHIGKG
gi_13959533_sp_ AF HASST S gi_13959566_sp_ AF HASST S gi_13959559_sp_ AF HASST S gi_13633872_sp_ RF HASST S gi_13959539_sp_ TF QASSR S gi_21264049_sp_ AF LASST S gi_66774168_sp_ TF QASSR S gi_13959527_sp_ TF QASSR S gi_51338669_sp_ TF HASQP S gi_60414603_sp_ TF HASQP S gi_13633871_sp_ TF HASQP S gi_13633914_sp_ TF HASQP S gi_13633914_sp_ TF HASQP S gi_13633914_sp_ TF HASQP S gi_13633914_sp_ TF KVPSSCP gi_13633914_sp_ TF KVPSSCP gi_13633914_sp_ TF KVPSSCP gi_13633914_sp_ TF KVPSSCP gi_13959528_sp_ TF KVPSSCP gi_13959528_sp_ TF KVPSSCP gi_13959531_sp_ TF KVPSSCP gi_13959540_sp_ LYAVY gi_13959573_sp_ LYTVY gi_13959538_sp_ LYCVQE gi_13959529_sp_ LYCVQE Gi_13959529_sp_ LYCVQE	V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S V L VD G F T D P S M T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S V T VD G F T	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL OS-ERFCLGL	L SNVNRNSTI L SNVNRNAAV L SNVNRNAATV L SNVNRNATV L SNVHRTEAI L SNV	E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G R G E LT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E M T R R H I G R G E R A R L H I G K G E R
gi_13959533_sp_ AF HASST S gi_13959566_sp_ AF HASST S gi_13959559_sp_ AF HASST S gi_13633872_sp_ RF HASST S gi_13959539_sp_ TF QASSR S gi_21264049_sp_ AF LASST S gi_66774168_sp_ TF QASSR S gi_13959527_sp_ TF QASSR S gi_13959527_sp_ TF HASQP S gi_13959527_sp_ TF HASQP S gi_13633871_sp_ TF HASQP S gi_13633914_sp_ TF HASQP S gi_13633914_sp_ TF HASQP S gi_13633914_sp_ TF HASQP S gi_13633914_sp_ TF KVPSSCP I gi_341942043_sp TF KVPSSCP I gi_13959528_sp_ TF KVPSSCP I gi_13959531_sp_ TF KVPSSCP I gi_13959540_sp_ LYAVY D gi_13959538_sp_ LYCVQ E gi_13959538_sp_ LYCVQ E gi_13959538_sp_ LYCVQ E gi_13959529_sp_ LYCVQ E Gi_13959529_sp_ LYCVQ E Gi_13633932_sp_ VHLYVY E Gi_13633932_sp_ VHLYVY E	V L VD G F T D P S VL ID G F T D P S VL ID G F T D P S VL ID G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S VT VD G Y VD P S	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL OG-DRFCLGQ GG-DRFCLGQ GG-DRFCLGQ GG-DRFCLGQ GG-DRFCLGQ QG-SGFCLGQ QG-SGFCLGQ QG-NGFCLGQ QG-NGFCLGQ QG-NGFCLGQ QG-NGFCLGQ	L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N A A V L S N V N R N A A V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R T E A I L S N V H R T E A I L S N	E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G R G E LT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E R A R L H I G K G E R
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_13959527_sp_TF QAS SR S gi_51338669_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_110826300_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_341942043_sp_TF KVP S S CP I gi_13959528_sp_TF KVP S S CP I gi_13959561_sp_TF KVP S S CP I gi_13959561_sp_TF KVP S S CP I gi_13959531_sp_TF KVP S S CP I gi_13959531_sp_TF KVP S S CP I gi_13959541_sp_LYAVY D gi_13959541_sp_LYAVY E gi_13959538_sp_LYTVY E gi_13959538_sp_LYTVY E gi_13959538_sp_LYTVY E gi_13959529_sp_LYCVQ E	V L VD G F T D P S VL ID G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S VT VD G Y VD P S	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL OG-DRFCLGQ GG-DRFCLGQ GG-DRFCLGQQ GG-DRFCLGQQ GG-DRFCLGQQ GG-RFCLGQQ GG-NGFCLGQQQG-NGFCLGQQ	L SNVNRNSTI L SNVNRNATV L SNVHRTEAI L SNVH	E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E LT R R H I G R G E LT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E R A R L H I G K G E R
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_51338669_sp_TF HAS QP S gi_51338669_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_110826300_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_341942043_sp_TF KVP S S CP I gi_13959561_sp_TF KVP S S CP I gi_13959561_sp_TF KVP S S CP I gi_13959531_sp_TF KVP S S CP I gi_13959538_sp_LY CVQ E gi_13959538_sp_LY CVQ E gi_13959538_sp_LY CVQ E gi_13959529_sp_LY CVQ E Consistency 6847653006	V L VD G F T D P S VL ID G F T D P S VL ID G F T D P S VL ID G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S VT VD G Y VD P S	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL OG-DRFCLGQ GG-DRFCLGQ GG-DRFCLGQ GG-DRFCLGQ GG-DRFCLGQ QG-SGFCLGQ QG-NGFCLGQ QG-NGFCLGQ QG-NGFCLGQ QG-NGFCLGQ QG-NGFCLGQ QG-NGFCLGQ QG-NGFCLGQ	L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N A A V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R T E A I L S N V H R T E A I L S N	E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G R G E NT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E R A R L H I G K G E R
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13959539_sp_TFQAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TFQAS SR S gi_13959527_sp_TFQAS SR S gi_51338669_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_110826300_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_341942043_sp_TF KVP S S CP I gi_13959528_sp_TF KVP S S CP I gi_13959531_sp_TF KVP S S CP I gi_139595329_sp_LY CVQ E gi_13959538_sp_LY CVQ E gi_13959529_sp_LY CVQ E gi_13959529_sp_LY CVQ E gi_13633932_sp_VH LY YVG - GE gi_13633915_sp_VH LY YVG - GE gi_341942042_sp VH LY YVG - GE gi_341942042_sp VH LY YVG - GE	V L VD G F T D P S VL VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S VT VD G Y VD	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL OG-DRFCLGQ OG-DRFCLGQ OG-DRFCLGQ OG-DRFCLGQ OG-NGFCLGQ	L S N V N R N S T I L S N	E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G R G E LT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E R A R L H I G K G E R
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TF QAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TF QAS SR S gi_51338669_sp_TF HAS QP S gi_51338669_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_110826300_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_341942043_sp_TF KVP S S CP I gi_13959561_sp_TF KVP S S CP I gi_13959561_sp_TF KVP S S CP I gi_13959531_sp_TF KVP S S CP I gi_13959538_sp_LY CVQ E gi_13959538_sp_LY CVQ E gi_13959538_sp_LY CVQ E gi_13959529_sp_LY CVQ E Consistency 6847653006	V L VD G F T D P S VL ID G F T D P S VL ID G F T D P S VL ID G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S VT VD G Y VD P S	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL NS-ERFCLGL OG-DRFCLGQ OG-DRFCLGQ OG-DRFCLGQ OG-DRFCLGQ OG-NGFCLGQ	L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N A A V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R T E A I L S N V H R T E A I L S N	E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G R G E LT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E R A R L H I G K G E R
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13959539_sp_TFQAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TFQAS SR S gi_13959527_sp_TFQAS SR S gi_51338669_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_110826300_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_341942043_sp_TF KVP S S CP I gi_13959528_sp_TF KVP S S CP I gi_13959531_sp_TF KVP S S CP I gi_13959531_sp_TF KVP S S CP I gi_13959531_sp_TF KVP S S CP I gi_13959540_sp_LYAVY D gi_13959541_sp_LYAVY D gi_13959531_sp_TF KVP S S CP I gi_13959538_sp_LYCVQ E gi_13959538_sp_LYCVQ E gi_13959538_sp_LYCVQ E gi_13959538_sp_LYCVQ E gi_13959529_sp_LYCVQ E gi_13959529_sp_LYCVQ E gi_13959529_sp_LYCVQ E gi_13633932_sp_VHLYYVG - GE gi_13633915_sp_VHLYYVG - GE gi_341942042_spVHLYYVG - GE	V L VD G F T D P S VL VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S VT VD G Y VD	NN K S R F C L G L NN K S R F C L G L NN K N R F C L G L NN R N R F C L G L NN R N R F C L G L NN R N R F C L G L NN R N R F C L G L NN S - E R F C L G L NS - E R F C L G L NS - E R F C L G L NS - E R F C L G L NS - E R F C L G L NS - E R F C L G L NS - E R F C L G L NS - E R F C L G L NS - E R F C L G L NS - E R F C L G L ON S - E R F C L G L ON S - E R F C L G L ON S - E R F C L G L ON S - E R F C L G L ON S - E R F C L G L ON S - E R F C L G L ON S - E R F C L G L ON S - E R F C L G L ON S - E R F C L G Q O G - D R F C L G Q O G - D R F C L G Q O G - D R F C L G Q O G - N G F	L S N V N R N S T I L S N	E N T R R H I G K G E N T R R H I G K G E N T R R H I G K G E N T R R H I G K G E N T R R H I G K G E N T R R H I G K G E N T R R H I G K G E N T R R H I G K G E N T R R H I G K G E N T R R H I G R G E L T R R H I G R G E M T R R H I G R G E M T R R H I G R G E M T R R H I G R G E M T R R H I G R G E M T R R H I G R G E M T R R H I G R G E M T R R H I G R G E R A R L H I G K G E R A
gi_13959533_sp_AF HASSTS gi_13959566_sp_AF HASSTS gi_13959559_sp_AF HASSTS gi_13959559_sp_RF HASSTS gi_13959539_sp_TFQASSRS gi_21264049_sp_AF LASSTS gi_66774168_sp_TFQASSRS gi_13959527_sp_TFQASSRS gi_51338669_sp_TF HASQPS gi_60414603_sp_TF HASQPS gi_117949830_spTF HASQPS gi_13633871_sp_TF HASQPS gi_13633914_sp_TF HASQPS gi_110826300_spTF HASQPS gi_21264050_sp_TF HASQPS gi_341942043_spTF KVPSSCPI gi_13959528_sp_TF KVPSSCPI gi_13959561_sp_TF KVPSSCPI gi_13959531_sp_TF KVPSSCPI gi_13959540_sp_TF KVPSSCPI gi_13959540_sp_LYAVYD gi_115502451_sp_LYAVYD gi_13959573_sp_LYTVYE gi_13959541_sp_LYAVY gi_13959538_sp_LYCVQ	V L VD G F T D P S VL ID G F T D P S VL ID G F T D P S VL ID G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S VT VD	NNKSRFCLGL NNKSRFCLGL NNKNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNRNRFCLGL NNS-ERFCLGL NS-ERFCLGL ORFCLGQ OGG-DRFCLGQ OGG-DRFCLGQ OGG-DRFCLGQ OGG-NGFCLGQ	L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N A A V L S N V N R N A A T V L S N V N R N A T V L S N V R N A T V L S N V R N A T V L S N V R N A T V L S N V R	E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G R G E NT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E RAR L H I G K G E R A R L H I G K G E R A
gi_13959533_sp_AF HAS ST S gi_13959566_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13959559_sp_AF HAS ST S gi_13633872_sp_RF HAS ST S gi_13959539_sp_TFQAS SR S gi_21264049_sp_AF LAS ST S gi_66774168_sp_TFQAS SR S gi_13959527_sp_TFQAS SR S gi_13959527_sp_TFQAS SR S gi_1338669_sp_TF HAS QP S gi_60414603_sp_TF HAS QP S gi_117949830_sp_TF HAS QP S gi_13633871_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_13633914_sp_TF HAS QP S gi_110826300_sp_TF HAS QP S gi_21264050_sp_TF HAS QP S gi_341942043_sp_TF KVPSSCP I gi_13959528_sp_TF KVPSSCP I gi_13959561_sp_TF KVPSSCP I gi_13959531_sp_TF KVPSSCP I gi_13959538_sp_LYCVQE gi_13959538_sp_LYCVQE gi_13959538_sp_LYCVQE gi_13959538_sp_LYCVQE gi_13959529_sp_LYCVQE gi_13959529_sp_LYCVQE gi_13633932_sp_VHLYYVG-GE gi_341942042_spVHLYYVG-GE gi_341942042_spVHLYYVG-GE gi_341942042_spVHLYYVG-GE gi_341942042_spVHLYYVG-GE	V L VD G F T D P S VL ID G F T D P S VL ID G F T D P S VL ID G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S L T VD G F T D P S VT VD	NN K S R F C L G L NN K S R F C L G L NN K N R F C L G L NN R N R F C L G L NN R N R F C L G L NN R N R F C L G L NN R N R F C L G L NN S - E R F C L G L NS - E R F C L G L NS - E R F C L G L NS - E R F C L G L NS - E R F C L G L NS - E R F C L G L NS - E R F C L G L NS - E R F C L G L NS - E R F C L G L NS - E R F C L G L ON S - E R F C L G L ON S - E R F C L G L ON S - E R F C L G L ON S - E R F C L G L ON S - E R F C L G L ON S - E R F C L G L ON S - E R F C L G L ON S - E R F C L G L ON S - E R F C L G Q O G - D R F C L G Q O G - D R F C L G Q O G - D R F C L G Q O G - N G F	L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N S T I L S N V N R N A A V L S N V N R N A A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R N A T V L S N V N R T E A I L S N V H R T E A I L S	E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G K G E NT R R H I G R G E NT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E MT R R H I G R G E RAR L H I G K G E R A R L H I G K G E R A

gi_13959566_sp_ <mark>VHLYYVG-GE</mark>	VYAECLSDSS	IFVQ <mark>S</mark> RNCNF	HHGFHPT-TV	CKIPSSCSLK
gi_13959559_sp_VHLYYVG-GE	VYAECLSDSS	IFVQSRNCNF	HHGFHPT-TV	CKIPSSCSLK
-				
gi_13633872_sp_ <mark>VHL</mark> YYVG-GE	VYAECL SDSS	IFVQSRNCNY	HHGFHPT-TV	CKIPSGCSLK
gi_13959539_sp_ <mark>VHLYYVG-GE</mark>	VYAECVSDSS	IFVQ <mark>S</mark> RNCNY	QHGFHPA-TV	CKIPSGCSLK
gi_21264049_sp_VHLYYVG-GE	VYAECLSDSS	IFVQSRNCNY	HHGFHPT-TV	CKIPSRCSLK
gi_66774168_sp_VHLYYVG-GE	VYAECVSDSS	IFVQSRNCNY	QHGFHPA-TV	CKIPSGCSLK
_				
gi_13959527_sp_ <mark>VHL</mark> YYVG-GE	VYAECVSDSS	IFVQSRNCNY	QHGFHPA-TV	CKIPSGCSLK
gi_51338669_sp_VRLYYIG-GE	VFAECLSDSA	IFVQSPNCNQ	RYGWHPA-TV	CKIPPGCNLK
gi_60414603_sp_VRLYYIG-GE	VFAECLSDSA	IFVQSPNCNQ	RYGWHPA-TV	CKIPPGCNLK
gi_117949830_sp <mark>VRL</mark> YYIG-GE	V F A E C L S D S A	IFVQSPNCNQ	RYGWHPA-TV	CKIPPGCNLK
gi_13633871_sp_ <mark>VRLYYIG-GE</mark>	VFAECLSDSA	IFVQSPNCNQ	RYGWHPA-TV	CKIPPGCNLK
gi_13633914_sp_ <mark>VRLYYIG-GE</mark>	VFAECLSDSA	IFVQSPNCNQ	RYGWHPA-TV	CKIPPGCNLK
gi_75041393_sp_VRLYYIG-GE	VFAECLSDSA	IFVQSPNCNQ	RYGWHPA-TV	CKIPPGCNLK
-				
gi_110826300_sp <mark>VRL</mark> YYIG-GE	V F A E C L S D S A	IFVQSPNCNQ	RYGWHPA-TV	CKIPPGCNLK
gi_21264050_sp_ <mark>VRLYYIG-GE</mark>	VFAECLSDSA	IFVQSPNCNQ	RYGWHPA-TV	CKIPPGCNLK
gi_341942043_spVQLECKGEGD	VWVRCLSDHA	VFVQSYYLDR	EAGRAPGDAV	HKIYPSAYIK
gi_13959528_sp_VQLECKGEGD	VWVRCLSDHA	VFVQSYYLDR	EAGRAPGDAV	HKIYPSAYIK
-				
gi_13959561_sp_ <mark>VQL</mark> ECKGEGD	VWVRCLSDHA	VFVQSYYLDR	EAGRAP GDAV	HKIYPSAYIK
gi_116256078_sp <mark>VQLECKGEGD</mark>	VWVRCLSDHA	VFVQSYYLDR	EAGRAPGDAV	HKIYPSAYIK
gi_13959531_sp_VQLECKGEGD	VWVRCLSDHA	VFVQSYYLDR	EAGRAPGDAV	HKIYPSAYIK
_				
gi_13959540_sp_ <mark>ILLSKEP-DG</mark>	VWAYNRGE HP	I F V N S P T L D A	PGG-RAL-VV	RKVPPGYSIK
gi_115502451_sp <mark>ILLSKEP</mark> -DG	VWAYNRGEHP	IFVNSPTLDA	PGG-RAL-VV	RKVPPGYSIK
gi_13959573_sp_ <mark>ILLSKEP</mark> -DG	VWAYNRSEHP	IFVNSPTLD I	PNC-RTL-IV	RKVMPGYSIK
gi_13959541_sp_IQLTREV-DG	VWVYNRSSYP	IFIKSATLDN	PDS-RTL-LV	HKVFPGFSIK
-				
gi_13959538_sp_ <mark>IQL</mark> TREV-DG	V W V Y N R S S Y P	IFIKS ATLDN	PDS-RTL-LV	HKVFPGFSIK
gi_13959529_sp_ <mark>IQLTREV</mark> -DG	VWVYNRSSYP	IFIKS ATLDN	PDS-RTL-LV	HKVFPGFSIK
Consistency 95*5557076	* 68677 9 866	9 * 9 8 * <mark>4 6 6 7 4</mark>	448367506*	5 * 9 6 6 7 6 6 8 *
Consistency 55 70 70	000119000	3	44000100	J 9 0 0 7 0 0 8
<u> 6</u> 0	<u> 67</u>	<u>0 _.</u> 680	0 69	0
gi_13633932_sp_IFNNQEFAQL	LAQSVN	HGFET		
gi_118573879_spIFNNQEFAQL		HGFET		
gi_13633915_sp_ <mark>IFNNQEFAQL</mark>	LAQSVN			
gi_341942042_sp <mark>IFNNQEFAQL</mark>	LAQSVN	HGFET		
gi_82121811_sp_IFNNQEFAQL	LAQSVN	HCFFA		
gi_21264062_sp_ <mark>IFNNQEFAQL</mark>	LAQSVN			
gi_13959533_sp_ <mark>IFNNQEFAQL</mark>	LAQSVN	HGFEA		
gi_13959566_sp_IFNNQEFAQL	LAQSVN			
_		"		
gi_13959559_sp_ <mark>IFNNQEFAQL</mark>	LAQSVN	HGFEA		
gi_13633872_sp_ <mark>IFNNQEFAQL</mark>	LAQSVN			
gi_13959539_sp_ <mark>VFNNQLFAQL</mark>	LAQSVH	HGFEV		
-				
at 2126/10/19 an TENNOFFAFT				
gi_21264049_sp_IFNNQEFAEL	<mark>LAQSVN</mark>	HGFEA		
gi_66774168_sp_ <mark>vFnnQLFAQL</mark>	LAQSVN LAQSVH	HGFEN		
_	<mark>LAQSVN</mark>	HGFEN		
gi_66774168_sp_ <mark>VFNNQLFAQL</mark> gi_13959527_sp_ <mark>VFNNQLFAQL</mark>	LAQSVN LAQSVH LAQL	HGFEV HGFEV		
gi_66774168_sp_ <mark>VFNNQLFAQL</mark> gi_13959527_sp_ <mark>VFNNQLFAQL</mark> gi_51338669_sp_ <mark>IFNNQEFAAL</mark>	LAQSVN LAQSVH LAQL LAQSVN	HGFEV HGFEV QGFEA		
gi_66774168_sp_ <mark>VFNNQLFAQL</mark> gi_13959527_sp_VFNNQLFAQL gi_51338669_sp_IFNNQEFAAL gi_60414603_sp_ <mark>IFNNQEFAAL</mark>	LAQSVNLAQSVH LAQLLAQSVHLAQSVNLAQSVN	HGFEV HGFEV QGFEA		
gi_66774168_sp_ <mark>VFNNQLFAQL</mark> gi_13959527_sp_ <mark>VFNNQLFAQL</mark> gi_51338669_sp_ <mark>IFNNQEFAAL</mark>	LAQSVN LAQSVH LAQL LAQSVN	HGFEV HGFEV QGFEA QGFEA		
gi_66774168_sp_VFNNQLFAQL gi_13959527_sp_VFNNQLFAQL gi_51338669_sp_IFNNQEFAAL gi_60414603_sp_IFNNQEFAAL gi_117949830_sp_IFNNQEFAAL	LAQSVNLAQSVH LAQLLAQSVHLAQSVNLAQSVN	HGFEV HGFEV QGFEA QGFEA		
gi_66774168_sp_VFNNQLFAQL gi_13959527_sp_VFNNQLFAQL gi_51338669_sp_IFNNQEFAAL gi_60414603_sp_IFNNQEFAAL gi_117949830_sp_IFNNQEFAAL gi_13633871_sp_IFNNQEFAAL	LAQSVNLAQSVH LAQLLAQSVHLAQSVNLAQSVNLAQSVN	HGFEV HGFEV QGFEA QGFEA QGFEA		
gi_66774168_sp_VFNNQLFAQL gi_13959527_sp_VFNNQLFAQL gi_51338669_sp_IFNNQEFAAL gi_60414603_sp_IFNNQEFAAL gi_117949830_sp_IFNNQEFAAL gi_13633871_sp_IFNNQEFAAL gi_13633914_sp_IFNNQEFAAL	LAQSVNLAQSVH LAQLLAQSVHLAQSVNLAQSVNLAQSVN	HGFEN HGFEV QGFEA QGFEA QGFEA QGFEA QGFEA		
gi_66774168_sp_VFNNQLFAQL gi_13959527_sp_VFNNQLFAQL gi_51338669_sp_IFNNQEFAAL gi_60414603_sp_IFNNQEFAAL gi_117949830_sp_IFNNQEFAAL gi_13633871_sp_IFNNQEFAAL gi_13633914_sp_IFNNQEFAAL gi_75041393_sp_IFNNQEFAAL	LAQSVNLAQSVH LAQLLAQSVNLAQSVNLAQSVNLAQSVNLAQSVN	HGFEV HGFEV QGFEA QGFEA QGFEA QGFEA QGFEA		
gi_66774168_sp_VFNNQLFAQL gi_13959527_sp_VFNNQLFAQL gi_51338669_sp_IFNNQEFAAL gi_60414603_sp_IFNNQEFAAL gi_117949830_sp_IFNNQEFAAL gi_13633871_sp_IFNNQEFAAL gi_13633914_sp_IFNNQEFAAL	LAQSVNLAQSVH LAQLLAQSVHLAQSVNLAQSVNLAQSVN	H G F E A		
gi_66774168_sp_VFNNQLFAQL gi_13959527_sp_VFNNQLFAQL gi_51338669_sp_IFNNQEFAAL gi_60414603_sp_IFNNQEFAAL gi_117949830_sp_IFNNQEFAAL gi_13633871_sp_IFNNQEFAAL gi_13633914_sp_IFNNQEFAAL gi_75041393_sp_IFNNQEFAAL	LAQSVNLAQSVH LAQLLAQSVNLAQSVNLAQSVNLAQSVNLAQSVN	H G F E A		
gi_66774168_sp_VFNNQLFAQL gi_13959527_sp_VFNNQLFAQL gi_51338669_sp_IFNNQEFAAL gi_60414603_sp_IFNNQEFAAL gi_117949830_sp_IFNNQEFAAL gi_13633871_sp_IFNNQEFAAL gi_13633914_sp_IFNNQEFAAL gi_75041393_sp_IFNNQEFAAL gi_110826300_sp_IFNNQEFAAL gi_21264050_sp_IFNNQEFAAL	LAQSVNLAQSVH LAQLLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVN	H G F E A		
gi_66774168_sp_VFNNQLFAQL gi_13959527_sp_VFNNQLFAQL gi_51338669_sp_IFNNQEFAAL gi_60414603_sp_IFNNQEFAAL gi_117949830_sp_IFNNQEFAAL gi_13633871_sp_IFNNQEFAAL gi_13633914_sp_IFNNQEFAAL gi_75041393_sp_IFNNQEFAAL gi_110826300_sp_IFNNQEFAAL gi_21264050_sp_IFNNQEFAAL gi_341942043_spVFDLRQCHRQ	LAQSVNLAQSVH LAQLLAQSVHLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVN	H G F E A	AAVAGNIPGP	GSVGGIAPAI
gi_66774168_sp_VFNNQLFAQL gi_13959527_sp_VFNNQLFAQL gi_51338669_sp_IFNNQEFAAL gi_60414603_sp_IFNNQEFAAL gi_117949830_sp_IFNNQEFAAL gi_13633871_sp_IFNNQEFAAL gi_13633914_sp_IFNNQEFAAL gi_75041393_sp_IFNNQEFAAL gi_75041393_sp_IFNNQEFAAL gi_21264050_sp_IFNNQEFAAL gi_21264050_sp_IFNNQEFAAL gi_341942043_sp_VFDLRQCHRQ gi_13959528_sp_VFDLRQCHRQ	LAQSVNLAQSVH LAQLLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVN	H G F E A	AAVAGNIPGP	GSVGGIAPAI
gi_66774168_sp_VFNNQLFAQL gi_13959527_sp_VFNNQLFAQL gi_51338669_sp_IFNNQEFAAL gi_60414603_sp_IFNNQEFAAL gi_117949830_sp_IFNNQEFAAL gi_13633871_sp_IFNNQEFAAL gi_13633914_sp_IFNNQEFAAL gi_75041393_sp_IFNNQEFAAL gi_110826300_sp_IFNNQEFAAL gi_21264050_sp_IFNNQEFAAL gi_341942043_spVFDLRQCHRQ	LAQSVNLAQSVH LAQLLAQSVHLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVN	H G F E A	AAVAGNIPGP	GSVGGIAPAI
gi_66774168_sp_VFNNQLFAQL gi_13959527_sp_VFNNQLFAQL gi_51338669_sp_IFNNQEFAAL gi_60414603_sp_IFNNQEFAAL gi_117949830_sp_IFNNQEFAAL gi_13633871_sp_IFNNQEFAAL gi_13633914_sp_IFNNQEFAAL gi_75041393_sp_IFNNQEFAAL gi_75041393_sp_IFNNQEFAAL gi_21264050_sp_IFNNQEFAAL gi_21264050_sp_IFNNQEFAAL gi_341942043_sp_VFDLRQCHRQ gi_13959528_sp_VFDLRQCHRQ	LAQSVNLAQSVH LAQLLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVN	H G F E A	AAVAGNIPGP	GSVGGIAPAI
gi_66774168_sp_ VF NNQ LFAQ L gi_13959527_sp_ VF NNQ LFAQ L gi_51338669_sp_ IF NNQ EFAA L gi_60414603_sp_ IF NNQ EFAA L gi_117949830_sp_ IF NNQ EFAA L gi_13633871_sp_ IF NNQ EFAA L gi_13633914_sp_ IF NNQ EFAA L gi_75041393_sp_ IF NNQ EFAA L gi_110826300_sp_ IF NNQ EFAA L gi_21264050_sp_ IF NNQ EFAA L gi_341942043_sp_ VF D LRQ C HRQ gi_13959561_sp_ VF D LRQ C HRQ gi_116256078_sp_ VF D LRQ C HRQ	LAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVN	H G F E A	AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI
gi_66774168_sp_VF NNQLFAQL gi_13959527_sp_VF NNQLFAQL gi_51338669_sp_IF NNQEFAAL gi_60414603_sp_IF NNQEFAAL gi_117949830_sp_IF NNQEFAAL gi_13633871_sp_IF NNQEFAAL gi_13633914_sp_IF NNQEFAAL gi_75041393_sp_IF NNQEFAAL gi_75041393_sp_IF NNQEFAAL gi_21264050_sp_IF NNQEFAAL gi_341942043_sp_VFDLRQCHRQ gi_13959528_sp_VFDLRQCHRQ gi_13959561_sp_VFDLRQCHRQ gi_116256078_sp_VFDLRQCHRQ gi_13959531_sp_VFDLRQCHRQ	LAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVN	H G F E A	AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI
gi_66774168_sp_VF NNQLFAQL gi_13959527_sp_VF NNQLFAQL gi_51338669_sp_IF NNQEFAAL gi_60414603_sp_IF NNQEFAAL gi_117949830_sp_IF NNQEFAAL gi_13633871_sp_IF NNQEFAAL gi_13633914_sp_IF NNQEFAAL gi_75041393_sp_IF NNQEFAAL gi_75041393_sp_IF NNQEFAAL gi_21264050_sp_IF NNQEFAAL gi_341942043_sp_VFDLRQCHRQ gi_13959528_sp_VFDLRQCHRQ gi_13959561_sp_VFDLRQCHRQ gi_13959531_sp_VFDLRQCHRQ gi_13959531_sp_VFDLRQCHRQ gi_13959540_sp_VFDLRQCHRQ	LAQSVN	H G F E A H G F E V Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A	AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI
gi_66774168_sp_VF NNQLFAQL gi_13959527_sp_VF NNQLFAQL gi_51338669_sp_IF NNQEFAAL gi_60414603_sp_IF NNQEFAAL gi_117949830_sp_IF NNQEFAAL gi_13633871_sp_IF NNQEFAAL gi_13633914_sp_IF NNQEFAAL gi_75041393_sp_IF NNQEFAAL gi_75041393_sp_IF NNQEFAAL gi_21264050_sp_IF NNQEFAAL gi_341942043_sp_VFDLRQCHRQ gi_13959528_sp_VFDLRQCHRQ gi_13959561_sp_VFDLRQCHRQ gi_116256078_sp_VFDLRQCHRQ gi_13959531_sp_VFDLRQCHRQ	LAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVNLAQSVN	H G F E A H G F E V Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A T A Q A A A A A Q A T A Q A A A A A Q A T A Q A A A A	AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI
gi_66774168_sp_VF NNQLFAQL gi_13959527_sp_VF NNQLFAQL gi_51338669_sp_IF NNQEFAAL gi_60414603_sp_IF NNQEFAAL gi_117949830_sp_IF NNQEFAAL gi_13633871_sp_IF NNQEFAAL gi_13633914_sp_IF NNQEFAAL gi_75041393_sp_IF NNQEFAAL gi_110826300_sp_IF NNQEFAAL gi_21264050_sp_IF NNQEFAAL gi_341942043_sp_VF DLRQCHRQ gi_13959528_sp_VF DLRQCHRQ gi_13959561_sp_VF DLRQCHRQ gi_13959531_sp_VF DLRQCHRQ gi_13959531_sp_VF DLRQCHRQ gi_13959540_sp_VF DLRQCHRQ gi_13959540_sp_VF DFERSGLL gi_115502451_sp_VF DFERSGLL	LAQSVN	H G F E A H G F E V Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A	AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI
gi_66774168_sp_VF NNQLFAQL gi_13959527_sp_VF NNQLFAQL gi_51338669_sp_IF NNQEFAAL gi_60414603_sp_IF NNQEFAAL gi_117949830_sp_IF NNQEFAAL gi_13633871_sp_IF NNQEFAAL gi_13633914_sp_IF NNQEFAAL gi_75041393_sp_IF NNQEFAAL gi_75041393_sp_IF NNQEFAAL gi_21264050_sp_IF NNQEFAAL gi_341942043_sp_VFDLRQCHRQ gi_13959528_sp_VFDLRQCHRQ gi_13959561_sp_VFDLRQCHRQ gi_13959531_sp_VFDLRQCHRQ gi_13959531_sp_VFDLRQCHRQ gi_13959540_sp_VFDLRQCHRQ gi_13959540_sp_VFDFERSGLL gi_13959573_sp_VFDYEKSCLL	LAQSVN	HGFEV HGFEV QGFEA QGFEA QGFEA QGFEA QGFEA QGFEA QGFEA TAQAAAAAQA TAQAAAAAQA TAQAAAAAQA TAQAAAAAQA TAQAAAAAQA TAQAAAAAQA TAQAAAAAQA TAQAAAAAQA	AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI
gi_66774168_sp_VF NNQLFAQL gi_13959527_sp_VF NNQLFAQL gi_51338669_sp_IF NNQEFAAL gi_60414603_sp_IF NNQEFAAL gi_117949830_sp_IF NNQEFAAL gi_13633871_sp_IF NNQEFAAL gi_13633914_sp_IF NNQEFAAL gi_75041393_sp_IF NNQEFAAL gi_75041393_sp_IF NNQEFAAL gi_21264050_sp_IF NNQEFAAL gi_341942043_sp_VF DLRQCHRQ gi_13959528_sp_VF DLRQCHRQ gi_13959561_sp_VF DLRQCHRQ gi_13959561_sp_VF DLRQCHRQ gi_13959531_sp_VF DLRQCHRQ gi_13959540_sp_VF DLRQCHRQ gi_13959540_sp_VF DFERSGLL gi_115502451_sp_VF DFERSGLL gi_13959573_sp_VF DYEKSCLL gi_13959541_sp_AF DYEKAYSL	LAQSVN	H G F E A H G F E V Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A	AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI
gi_66774168_sp_ VF NNQLFAQL gi_13959527_sp_ VF NNQLFAQL gi_51338669_sp_ IF NNQEFAAL gi_60414603_sp_ IF NNQEFAAL gi_117949830_sp_ IF NNQEFAAL gi_13633871_sp_ IF NNQEFAAL gi_13633914_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_10826300_sp_ IF NNQEFAAL gi_21264050_sp_ IF NNQEFAAL gi_341942043_sp_ VF DLRQCHRQ gi_13959528_sp_ VF DLRQCHRQ gi_13959561_sp_ VF DLRQCHRQ gi_13959531_sp_ VF DLRQCHRQ gi_13959540_sp_ VF DFERSGLL gi_13959573_sp_ VF DYEKSCLL gi_13959538_sp_ AF DYEKAYSL gi_13959538_sp_ AF DYEKAYSL	LAQSVN	H G F E A H G F E V	AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI
gi_66774168_sp_VF NNQLFAQL gi_13959527_sp_VF NNQLFAQL gi_51338669_sp_IF NNQEFAAL gi_60414603_sp_IF NNQEFAAL gi_117949830_sp_IF NNQEFAAL gi_13633871_sp_IF NNQEFAAL gi_13633914_sp_IF NNQEFAAL gi_75041393_sp_IF NNQEFAAL gi_75041393_sp_IF NNQEFAAL gi_21264050_sp_IF NNQEFAAL gi_341942043_sp_VF DLRQCHRQ gi_13959528_sp_VF DLRQCHRQ gi_13959561_sp_VF DLRQCHRQ gi_13959561_sp_VF DLRQCHRQ gi_13959531_sp_VF DLRQCHRQ gi_13959540_sp_VF DLRQCHRQ gi_13959540_sp_VF DFERSGLL gi_115502451_sp_VF DFERSGLL gi_13959573_sp_VF DYEKSCLL gi_13959541_sp_AF DYEKAYSL	L A Q S V N L A Q S V H L A Q L L A Q S V H L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N M Q Q Q A A M Q Q Q A A M Q Q Q A A M Q Q Q A A Q H A D A A Q H A P E P Q H T A E L Q R P N D H Q R P N D H	H G F E A H G F E V	AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI
gi_66774168_sp_ VF NNQLFAQL gi_13959527_sp_ VF NNQLFAQL gi_51338669_sp_ IF NNQEFAAL gi_60414603_sp_ IF NNQEFAAL gi_117949830_sp_ IF NNQEFAAL gi_13633871_sp_ IF NNQEFAAL gi_13633914_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_10826300_sp_ IF NNQEFAAL gi_21264050_sp_ IF NNQEFAAL gi_341942043_sp_ VF DLRQCHRQ gi_13959528_sp_ VF DLRQCHRQ gi_13959561_sp_ VF DLRQCHRQ gi_13959531_sp_ VF DLRQCHRQ gi_13959540_sp_ VF DFERSGL gi_13959573_sp_ VF DYEKSCL gi_13959541_sp_ VF DYEKSCL gi_13959538_sp_ AF DYEKAYSL gi_13959529_sp_ AF DYEKAYSL	L A Q S V N L A Q S V H L A Q L L A Q S V H L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N M Q Q Q A A M Q Q Q A A M Q Q Q A A M Q Q Q A A Q H A D A A Q H A P E P Q H T A E L Q R P N D H Q R P N D H	H G F E A H G F E V	AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI
gi_66774168_sp_ VF NNQLFAQL gi_13959527_sp_ VF NNQLFAQL gi_51338669_sp_ IF NNQEFAAL gi_60414603_sp_ IF NNQEFAAL gi_117949830_sp_ IF NNQEFAAL gi_13633871_sp_ IF NNQEFAAL gi_13633914_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_10826300_sp_ IF NNQEFAAL gi_21264050_sp_ IF NNQEFAAL gi_341942043_sp_ VF DLRQCHRQ gi_13959528_sp_ VF DLRQCHRQ gi_13959561_sp_ VF DLRQCHRQ gi_13959531_sp_ VF DLRQCHRQ gi_13959540_sp_ VF DFERSGLL gi_13959573_sp_ VF DYEKSCLL gi_13959541_sp_ AF DYEKAYSL gi_13959538_sp_ AF DYEKAYSL	L A Q S V N L A Q S V H L A Q L L A Q S V H L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N M Q Q Q A A M Q Q Q A A M Q Q Q A A M Q Q Q A A Q H A D A A Q H A P E P Q H T A E L Q R P N D H Q R P N D H	H G F E A H G F E V	AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI
gi_66774168_sp_ VF NNQLFAQL gi_13959527_sp_ VF NNQLFAQL gi_51338669_sp_ IF NNQEFAAL gi_60414603_sp_ IF NNQEFAAL gi_117949830_sp_ IF NNQEFAAL gi_13633871_sp_ IF NNQEFAAL gi_13633914_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_21264050_sp_ IF NNQEFAAL gi_341942043_sp_ VF DLRQCHRQ gi_13959528_sp_ VF DLRQCHRQ gi_13959561_sp_ VF DLRQCHRQ gi_13959531_sp_ VF DLRQCHRQ gi_13959540_sp_ VF DFERSGL gi_13959573_sp_ VF DFERSGL gi_13959541_sp_ VF DYEKSCLL gi_13959538_sp_ AF DYEKAYSL gi_13959529_sp_ AF DYEKAYSL Gi_13959529_sp_ AF DYEKAYSL Consistency 8 * 7 5 7 6 5 6 5 7	LAQS V N LAQS V H LAQL LAQS V H LAQS V N MQQQAA MQQQAA MQQQAA MQQQAA QHADAA QHAPEP QHTAE L QRPNDH QRPNDH QRPNDH	H G F E A H G F E V Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A	AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI
gi_66774168_sp_VF NNQ LFAQ L gi_13959527_sp_VF NNQ LFAQ L gi_51338669_sp_IF NNQ EFAAL gi_60414603_sp_IF NNQ EFAAL gi_117949830_sp_IF NNQ EFAAL gi_13633871_sp_IF NNQ EFAAL gi_13633914_sp_IF NNQ EFAAL gi_75041393_sp_IF NNQ EFAAL gi_75041393_sp_IF NNQ EFAAL gi_75041393_sp_IF NNQ EFAAL gi_21264050_sp_IF NNQ EFAAL gi_341942043_sp_VFDLRQ CHRQ gi_13959528_sp_VFDLRQ CHRQ gi_13959561_sp_VFDLRQ CHRQ gi_13959561_sp_VFDLRQ CHRQ gi_13959531_sp_VFDLRQ CHRQ gi_13959531_sp_VFDLRQ CHRQ gi_13959540_sp_VFDFERSGLL gi_13959573_sp_VFDYEKSCLL gi_13959573_sp_VFDYEKSCLL gi_13959538_sp_AFDYEKAYSL gi_13959529_sp_AFDYEKAYSL Consistency 8 * 7 5 7 6 5 6 5 7	LAQS V N LAQS V H LAQL LAQS V H LAQS V N	HGFEV HGFEV QGFEA QGFEA QGFEA QGFEA QGFEA QGFEA QGFEA QGFEA TAQAAAAAQA TAQAAAAAAQA TAQAAAAAAQA TAQAAAAAAQA TAQAAAAAAQA TAQAAAAAQA TAQAAAAAAQA TAQAAAAAAAQA TAQAAAAAAQA TAQAAAAAAQA TAQAAAAAAQA TAQAAAAAAA	AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI
gi_66774168_sp_ VF NNQLFAQL gi_13959527_sp_ VF NNQLFAQL gi_51338669_sp_ IF NNQEFAAL gi_60414603_sp_ IF NNQEFAAL gi_117949830_sp_ IF NNQEFAAL gi_13633871_sp_ IF NNQEFAAL gi_13633914_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_110826300_sp_ IF NNQEFAAL gi_341942043_sp_ VF DLRQCHRQ gi_13959528_sp_ VF DLRQCHRQ gi_13959561_sp_ VF DLRQCHRQ gi_13959531_sp_ VF DLRQCHRQ gi_13959540_sp_ VF DFERSGL gi_13959573_sp_ VF DFERSGL gi_13959541_sp_ VF DYEKSCLL gi_13959538_sp_ AF DYEKAYSL gi_13959529_sp_ AF DYEKAYSL Gi_13959529_sp_ AF DYEKAYSL Consistency 8 * 7 5 7 6 5 6 5 7	LAQS V N LAQS V H LAQL LAQS V H LAQS V N	HGFEV HGFEV QGFEA QGFEA QGFEA QGFEA QGFEA QGFEA QGFEA QGFEA TAQAAAAAQA TAQAAAAAAQA TAQAAAAAAQA TAQAAAAAAQA TAQAAAAAAQA TAQAAAAAQA TAQAAAAAAQA TAQAAAAAAAQA TAQAAAAAAQA TAQAAAAAAQA TAQAAAAAAQA TAQAAAAAAA	AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI
gi_66774168_sp_ VF NNQ LFAQ L gi_13959527_sp_ VF NNQ LFAQ L gi_51338669_sp_ IF NNQ EFAAL gi_60414603_sp_ IF NNQ EFAAL gi_117949830_sp_ IF NNQ EFAAL gi_13633871_sp_ IF NNQ EFAAL gi_13633914_sp_ IF NNQ EFAAL gi_75041393_sp_ IF NNQ EFAAL gi_10826300_sp_ IF NNQ EFAAL gi_21264050_sp_ IF NNQ EFAAL gi_341942043_sp_ VF DLRQ CHRQ gi_13959528_sp_ VF DLRQ CHRQ gi_13959561_sp_ VF DLRQ CHRQ gi_13959531_sp_ VF DLRQ CHRQ gi_13959531_sp_ VF DLRQ CHRQ gi_13959573_sp_ VF DYEKSCLL gi_13959538_sp_ AF DYEKAYSL gi_13959529_sp_ AF DYEKAYSL gi_13959529_sp_ AF DYEKAYSL Consistency 8* 7 5 7 6 5 6 5 7	L A Q S V N L A Q S V H LAQL L A Q S V H LAQS V N	H G F E A H G F E V	AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP OOOOOOOOOOOO	GSVGGIAPAI
gi_66774168_sp_ VF NNQLFAQL gi_13959527_sp_ VF NNQLFAQL gi_51338669_sp_ IF NNQEFAAL gi_60414603_sp_ IF NNQEFAAL gi_117949830_sp_ IF NNQEFAAL gi_13633871_sp_ IF NNQEFAAL gi_13633914_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_21264050_sp_ IF NNQEFAAL gi_341942043_sp_ VF DLRQCHRQ gi_13959528_sp_ VF DLRQCHRQ gi_13959561_sp_ VF DLRQCHRQ gi_13959531_sp_ VF DLRQCHRQ gi_13959540_sp_ VF DFERSGL gi_13959541_sp_ VF DYEKSCLL gi_13959538_sp_ AF DYEKAYSL gi_13959529_sp_ AF DYEKAYSL Consistency 8 * 7 5 7 6 5 6 5 7	L A Q S V N L A Q S V H LAQL L A Q S V H L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N M Q Q Q A A M Q Q Q A A M Q Q Q A A M Q Q Q A A M Q Q Q A A Q H A D A A Q H A D A A Q H A D A A Q R P N D H	H G F E A H G F E V Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A	AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI CSVGGIAPAI
gi_66774168_sp_ VF NNQLFAQL gi_13959527_sp_ VF NNQLFAQL gi_51338669_sp_ IF NNQEFAAL gi_60414603_sp_ IF NNQEFAAL gi_117949830_sp_ IF NNQEFAAL gi_13633871_sp_ IF NNQEFAAL gi_13633914_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_10826300_sp_ IF NNQEFAAL gi_341942043_sp_ VF DLRQCHRQ gi_13959528_sp_ VF DLRQCHRQ gi_13959561_sp_ VF DLRQCHRQ gi_13959531_sp_ VF DLRQCHRQ gi_13959540_sp_ VF DFERSGLL gi_13959541_sp_ VF DFERSGL gi_13959538_sp_ VF DYEKSCLL gi_13959539_sp_ AF DYEKAYSL gi_13959529_sp_ AF DYEKAYSL Gi_13633932_sp_	LAQS V H LAQL LAQS V H LAQS V N MQQQAA MQQQAA MQQQAA MQQQAA MQQQAA QHADAA QHADAA QHAPEP QHTAE L QRPNDH QRPNDH QRPNDH QRPNDH QRPNDH QRPNDH 0000767765	H G F E A H G F E V Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A	AAVAGNIPGP	GSVGGIAPAI
gi_66774168_sp_ VF NNQLFAQL gi_13959527_sp_ VF NNQLFAQL gi_51338669_sp_ IF NNQEFAAL gi_60414603_sp_ IF NNQEFAAL gi_117949830_sp_ IF NNQEFAAL gi_13633871_sp_ IF NNQEFAAL gi_13633914_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_110826300_sp_ IF NNQEFAAL gi_341942043_sp_ VF DLRQCHRQ gi_13959528_sp_ VF DLRQCHRQ gi_13959561_sp_ VF DLRQCHRQ gi_13959531_sp_ VF DLRQCHRQ gi_13959540_sp_ VF DFERSGL gi_13959541_sp_ VF DYEKSCL gi_13959538_sp_ AF DYEKAYSL gi_13959529_sp_ AF DYEKAYSL Gi_13959529_sp_ AF DYEKAYSL Consistency 8 * 7 5 7 6 5 6 5 7	LAQS V H LAQL LAQS V H LAQS V N MQQQAA MQQQAA MQQQAA MQQQAA MQQQAA QHADAA QHADAA QHAPEP QHTAE L QRPNDH QRPNDH QRPNDH QRPNDH QRPNDH QRPNDH 0000767765	H G F E A H G F E V Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A Q G F E A	AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI CSVGGIAPAI
gi_66774168_sp_ VF NNQLFAQL gi_13959527_sp_ VF NNQLFAQL gi_51338669_sp_ IF NNQEFAAL gi_60414603_sp_ IF NNQEFAAL gi_117949830_sp_ IF NNQEFAAL gi_13633871_sp_ IF NNQEFAAL gi_13633914_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_110826300_sp_ IF NNQEFAAL gi_341942043_sp_ VF DLRQCHRQ gi_13959528_sp_ VF DLRQCHRQ gi_13959561_sp_ VF DLRQCHRQ gi_13959531_sp_ VF DLRQCHRQ gi_13959540_sp_ VF DFERSGL gi_13959541_sp_ VF DFERSGL gi_13959538_sp_ VF DYEKSCLL gi_13959538_sp_ AF DYEKAYSL gi_13959529_sp_ AF DYEKAYSL Consistency 8*75765657	L A Q S V H L A Q S V H LAQL L A Q S V H L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N M Q Q Q A A M Q Q Q A A M Q Q Q A A M Q Q Q A A Q H A D A A Q H A D A A Q H A D E P Q H T A E L Q R P N D H R Q R P N D H R R R R R R R R R R R R R R R R R	H G F E A	AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP AAVAGNIPGP	GSVGGIAPAI CSVGGIAPAI
gi_66774168_sp_ VF NNQLFAQL gi_13959527_sp_ VF NNQLFAQL gi_51338669_sp_ IF NNQEFAAL gi_60414603_sp_ IF NNQEFAAL gi_117949830_sp IF NNQEFAAL gi_13633871_sp_ IF NNQEFAAL gi_13633914_sp_ IF NNQEFAAL gi_13633914_sp_ IF NNQEFAAL gi_110826300_sp_ IF NNQEFAAL gi_21264050_sp_ IF NNQEFAAL gi_341942043_sp_ VF DLRQCHRQ gi_13959528_sp_ VF DLRQCHRQ gi_13959531_sp_ VF DLRQCHRQ gi_13959531_sp_ VF DLRQCHRQ gi_13959540_sp_ VF DFERSGLL gi_13959573_sp_ VF DYEKSCLL gi_13959538_sp_ AF DYEKAYSL gi_13959529_sp_ AF DYEKAYSL Consistency 8 * 7 5 7 6 5 6 5 7 gi_13633915_sp_	L A Q S V H L A Q S V H LAQL L A Q S V H L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N M Q Q Q A A M Q Q Q A A M Q Q Q A A M Q Q Q A A M Q Q Q A A Q H A D A A Q H A D A A Q H A D A A Q H A D A A Q R P N D H	H G F E A	AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI CSVGGIAPAI
gi_66774168_sp_ VF NNQLFAQL gi_13959527_sp_ VF NNQLFAQL gi_51338669_sp_ IF NNQEFAAL gi_60414603_sp_ IF NNQEFAAL gi_117949830_sp IF NNQEFAAL gi_13633871_sp_ IF NNQEFAAL gi_13633914_sp_ IF NNQEFAAL gi_110826300_sp_ IF NNQEFAAL gi_21264050_sp_ IF NNQEFAAL gi_341942043_sp_ VF DLRQCHRQ gi_13959528_sp_ VF DLRQCHRQ gi_13959531_sp_ VF DLRQCHRQ gi_13959540_sp_ VF DLRQCHRQ gi_13959541_sp_ VF DFERSGL gi_13959538_sp_ VF DYEKSCLL gi_13959538_sp_ AF DYEKAYSL gi_13959529_sp_ AF DYEKAYSL Gi_13633932_sp_	L A Q S V H L A Q S V H LAQL L A Q S V H L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N M Q Q Q A A M Q Q Q A A M Q Q Q A A M Q Q Q A A M Q Q Q A A Q H A D A A Q H A D A A Q H A D E P Q H T A E L Q R P N D H R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R	H G F E A	AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI CSVGGIAPAI
gi_66774168_sp_ VF NNQLFAQL gi_13959527_sp_ VF NNQLFAQL gi_51338669_sp_ IF NNQEFAAL gi_60414603_sp_ IF NNQEFAAL gi_117949830_sp_ IF NNQEFAAL gi_13633871_sp_ IF NNQEFAAL gi_13633914_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_110826300_sp_ IF NNQEFAAL gi_341942043_sp_ VF DLRQCHRQ gi_13959528_sp_ VF DLRQCHRQ gi_13959561_sp_ VF DLRQCHRQ gi_13959531_sp_ VF DLRQCHRQ gi_13959540_sp_ VF DFERSGL gi_13959573_sp_ VF DYEKSCLL gi_13959538_sp_ AF DYEKAYSL gi_13959529_sp_ AF DYEKAYSL Gi_13633932_sp_	L A Q S V H L A Q S V H LAQL L A Q S V H L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N M Q Q Q A A M Q Q Q A A M Q Q Q A A M Q Q Q A A Q H A D A A Q H A D A A Q H A D A A Q H A D B P Q R P N D H R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R	H G F E A	AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI CSVGGIAPAI
gi_66774168_sp_ VF NNQLFAQL gi_13959527_sp_ VF NNQLFAQL gi_51338669_sp_ IF NNQEFAAL gi_60414603_sp_ IF NNQEFAAL gi_117949830_sp IF NNQEFAAL gi_13633871_sp_ IF NNQEFAAL gi_13633914_sp_ IF NNQEFAAL gi_110826300_sp_ IF NNQEFAAL gi_21264050_sp_ IF NNQEFAAL gi_341942043_sp_ VF DLRQCHRQ gi_13959528_sp_ VF DLRQCHRQ gi_13959531_sp_ VF DLRQCHRQ gi_13959540_sp_ VF DLRQCHRQ gi_13959541_sp_ VF DFERSGL gi_13959538_sp_ VF DYEKSCLL gi_13959538_sp_ AF DYEKAYSL gi_13959529_sp_ AF DYEKAYSL Gi_13633932_sp_	L A Q S V H L A Q S V H LAQL L A Q S V H L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N M Q Q Q A A M Q Q Q A A M Q Q Q A A M Q Q Q A A Q H A D A A Q H A D A A Q H A D A A Q H A D B P Q R P N D H R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R Y E L T K M C T L R	H G F E A	AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI CSVGGIAPAI
gi_66774168_sp_vF NNQLFAQL gi_13959527_sp_vF NNQLFAQL gi_51338669_sp_IF NNQEFAAL gi_60414603_sp_IF NNQEFAAL gi_117949830_sp_IF NNQEFAAL gi_13633871_sp_IF NNQEFAAL gi_13633914_sp_IF NNQEFAAL gi_110826300_sp_IF NNQEFAAL gi_341942043_sp_VFDLRQCHRQ gi_13959528_sp_VFDLRQCHRQ gi_13959561_sp_VFDLRQCHRQ gi_13959531_sp_VFDLRQCHRQ gi_13959540_sp_VFDLRQCHRQ gi_13959573_sp_VFDXEKSCLL gi_13959538_sp_AFDYEKAYSL gi_13959538_sp_AFDYEKAYSL gi_13959529_sp_AFDYEKAYSL Gi_13633932_sp	L A Q S V H L A Q S V H LAQL L A Q S V H L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N M Q Q Q A A M Q Q Q A A M Q Q Q A A M Q Q Q A A Q H A D A A Q H A D A A Q H A D A A Q H A D A B Q R P N D H R Q R P N D H R Q R P N D H R R R R R R R R R R R R R R R R R	H G F E A	AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI CSVGGIAPAI
gi_66774168_sp_ VF NNQLFAQL gi_13959527_sp_ VF NNQLFAQL gi_51338669_sp_ IF NNQEFAAL gi_60414603_sp_ IF NNQEFAAL gi_117949830_sp_ IF NNQEFAAL gi_13633871_sp_ IF NNQEFAAL gi_13633914_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_75041393_sp_ IF NNQEFAAL gi_110826300_sp_ IF NNQEFAAL gi_341942043_sp_ YF DLRQCHRQ gi_13959528_sp_ VF DLRQCHRQ gi_13959561_sp_ VF DLRQCHRQ gi_13959531_sp_ VF DLRQCHRQ gi_13959540_sp_ VF DFERSGL gi_13959573_sp_ VF DYEKSCLL gi_13959538_sp_ AF DYEKAYSL gi_13959529_sp_ AF DYEKAYSL Gi_13633932_sp_	L A Q S V H L A Q S V H L A Q S V H L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N L A Q S V N M Q Q Q A A M Q Q Q A A M Q Q Q A A M Q Q Q A A Q H A D A A Q H A D A A Q H A D B P Q R P N D H R Q R P N D H R R P N D H R R P N D H R R P N D H R R P N D H R R P N D H R R P N D H R R P N D H R R P N D H R R R R R R R R R R R R R R R R R	H G F E A	AAVAGNIPGP	GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI GSVGGIAPAI CSVGGIAPAI

```
qi_13959539_sp_-----V YELTKMCTIR MSFVKGWGAE
                                              YHRODVTSTP CWIEIHLHGP
qi_21264049_sp_-----V YELTKMCTIR MSFVKGWGAK YHRQDVTSTP CWIEIHLHGP
gi_66774168_sp_-----V YELTKMCTIR MSFVKGWGAE
                                              YHRQDVTSTP CWIEIHLHGP
                                              YHRQDVTSTP CWIEIHLHGP
gi_13959527_sp_-----V YELTKMCTIR MSFVKGWGAE
gi_51338669_sp_-----V YQLTRMCTIR MSFVKGWGAE YRRQTVTSTP CWIELHLNGP
qi 60414603 sp -----V YQLTRMCTIR MSFVKGWGAE
                                              YRRQTVTSTP CWIELHLNGP
gi_117949830_sp-----V YQLTRMCTIR MSFVKGWGAE
                                              YRRQTVTSTP CWIELHLNGP
                                              YRRQTVTSTP CWIELHLNGP
gi_13633871_sp_-----V YQLTRMCTIR MSFVKGWGAE
gi_13633914_sp_-----V YQLTRMCTIR MSFVKGWGAE
                                              YRRQTVTSTP CWIELHLNGP
gi_75041393_sp_-----V YQLTRMCTIR MSFVKGWGAE YRQTVTSTP CWIELHLNGP
gi_110826300_sp------V YQLTRMCTIR MSFVKGWGAE
                                              YRRQTVTSTP CWIELHLNGP
gi_21264050_sp_-----V YQLTRMCTIR MSFVKGWGAE
                                              YRRQTVTSTP CWIELHLNGP
gi_341942043_sp SLSAAAGIGV DDLRRLCILR MSFVKGWGPD YPRQSIKETP CWIEIHLHRA
gi_13959528_sp_SLSAAAGIGV DDLRRLCILR MSFVKGWGPD
                                              YPRQSIKETP CWIEIHLHRA
qi_13959561_sp_SLSAAAGIGV DDLRRLCILR MSFVKGWGPD
                                              YPROSIKETP CWIEIHLHRA
gi 116256078 spSLSAAAGIGV DDLRRLCILR MSFVKGWGPD YPROSIKETP CWIEIHLHRA
gi_13959531_sp_SLSAAAGIGV DDLRRLCILR MSFVKGWGPD YPRQSIKETP CWIEIHLHRA
qi_13959540_sp_-----P ---YDPHSVR ISFAKGWGPC YSRQFITSCP CWLEILLNNH
gi_115502451_sp-----A DGPYDPNSVR ISFAKGWGPC YSRQFITSCP CWLEILLNNP
gi_13959573_sp_-----A DGPYDPNSVR ISFAKGWGPC YSRQFITSCP CWLEILLSNN
gi_13959541_sp_-----M QQPWTGFTVQ ISFVKGWGQC YTRQFISSCP CWLEVIFNSR
gi_13959538_sp_-----M QQPWTGFTVQ ISFVKGWGQC YTRQFISSCP CWLEVIFNSR
gi_13959529_sp_-----M QQPWTGFTVQ ISFVKGWGQC YTRQFISSCP CWLEVIFNSR
            000000007 5676667789 8 * * 9 * * * * 66 * <mark>4 * * 4</mark> 9 7 8 7 * * * 9 * 8 7 9 7 6 6
Consistency
```

. 760 770 . . gi_13633932_sp_LQWLDKVLTQ MGSPHNPISS VS gi_118573879_spLQWLDKVLTQ MGSPHNPISS VS gi_13633915_sp_LQWLDKVLTQ MGSPHNPISS VS gi_341942042_spLQWLDKVLTQ MGSPHNPISS VS gi_82121811_sp_LQWLDKVLTQ MGSPLNPISS VS gi_21264062_sp_LQWLDKVLTQ MGSPLNPISS VS gi_13959533_sp_LQWLDKVLTQ MGSPLNPISS VS gi_13959566_sp_LQWLDKVLTQ MGSPLNPISS VS gi_13959559_sp_LQWLDKVLTQ MGSPLNPISS VS gi_13633872_sp_LQWLDKVLTQ MGSPHNPISS VS gi_13959539_sp_LQWLDKVLTQ MGSPHNPISS VS gi_21264049_sp_LQWLDKVLTQ MGSPHNPISS VS gi_66774168_sp_LQWLDKVLTQ MGSPHNPISS VS gi_13959527_sp_LQWLDKVLTQ MGSPHNPISS VS gi_51338669_sp_LQWLDKVLTQ MGSPSIRCSS VS gi_60414603_sp_LQWLDKVLTQ MGSPSIRCSS VS gi_117949830_spLQWLDKVLTQ MGSPSVRCSS MS gi_13633871_sp_LQWLDKVLTQ MGSPSVRCSS MS gi_13633914_sp_LQWLDKVLTQ MGSPSVRCSS MS gi_75041393_sp_LQWLDKVLTQ MGSPSVRCSS MS gi_110826300_spLQWLDKVLTQ MGSPSVRCSS MS gi_21264050_sp_LQWLDKVLTQ MGSPSVRCSS MS qi_341942043_spLQLLDEVLHT MPIA-DP-QP LD gi_13959528_sp_LQLLDEVLHT MPIA-DP-QP LD gi_13959561_sp_LQLLDEVLHT MPIA-DP-QP LD qi 116256078 spLQLLDEVLHT MPIA-DP-QP LD gi_13959531_sp_LQLLDEVLHT MPIA-DP-QP LD qi 13959540 sp R----- ---- -gi_115502451_spR----- --- --- -gi_13959573_sp_<mark>R</mark>----- --- --- -qi_13959541_sp_----- --- --- -gi_13959538_sp_-------Consistency