Results colour-coded for amino acid conservation

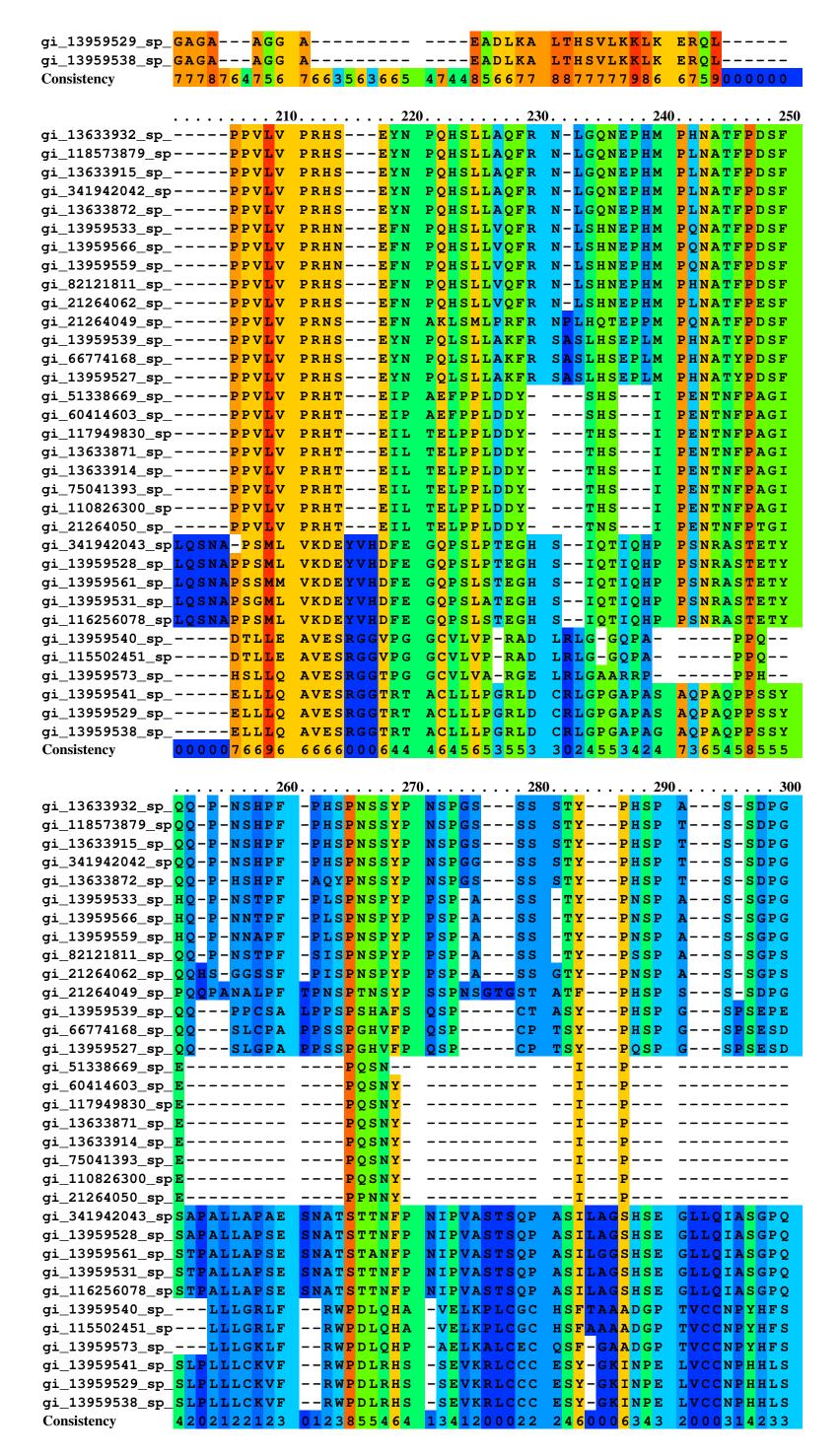
The current colourscheme of the alignment is for **amino acid conservation**.

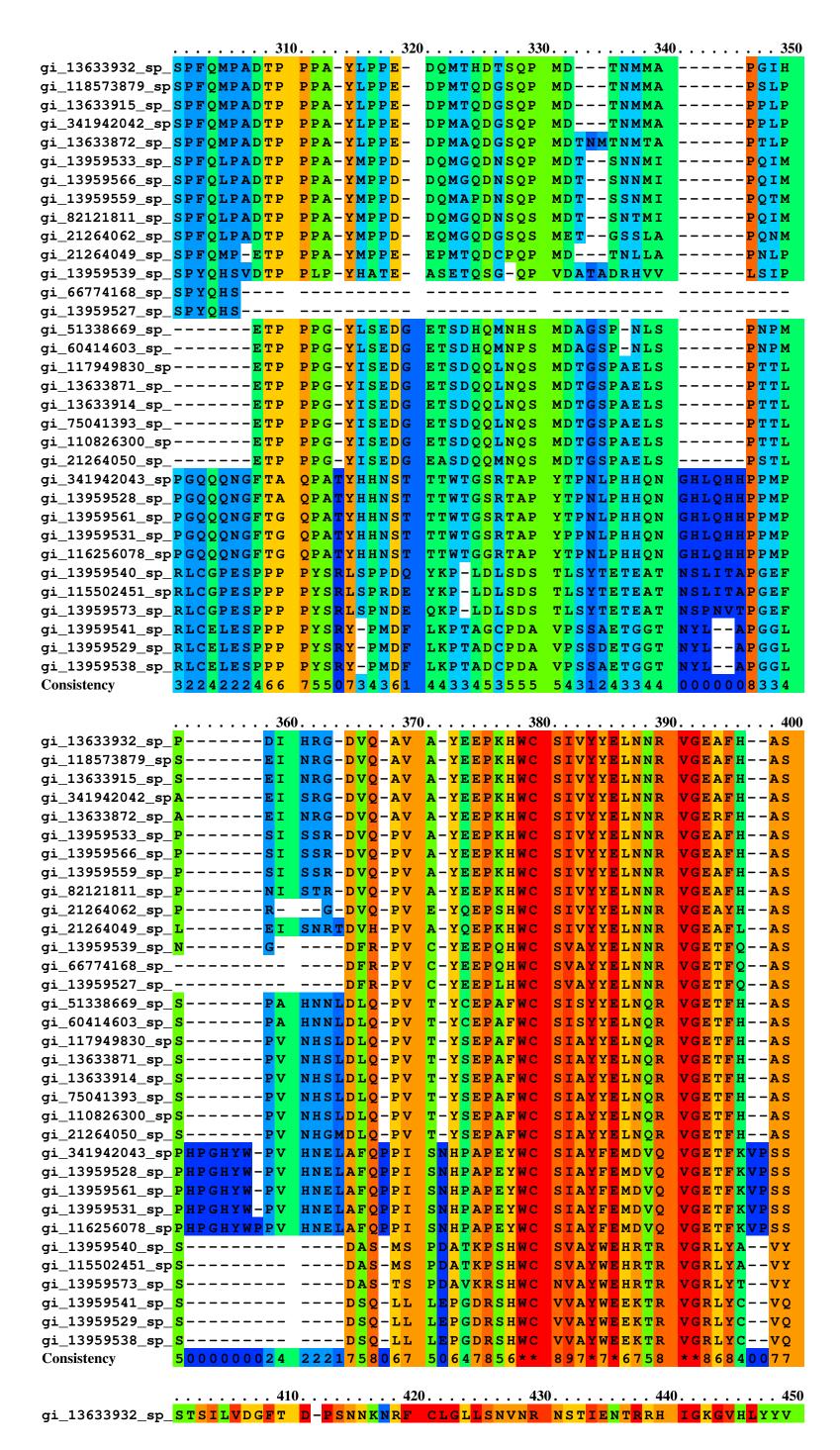
The conservation scoring is performed by PRALINE. The scoring scheme works from 0 for the least conserved alignment position, up to 10 for the most conserved alignment position. The colour assignments are:

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

	10	20	30	40	50
gi_13633932_sp		SLFSFTSPAV	KRLLGWK		-QGDEEEKWA
gi_118573879_sp		SLFSFTSPAV	KRLLGWK		-QGDEEEKWA
gi_13633915_sp		SLFSFTSPAV	KRLLGWK		-QGDEEEKWA
gi_341942042_sp		SLFSFTSPAV	KRLLGWK		-QGDEEEKWA
gi_13633872_sp		SLFSFTSPAV	KRLLGWK		-QGDEEEKWA
gi_13959533_sp <mark>M</mark>		SLFSFTSPAV	KRLLGWK		-QGDEEEKWA
gi_13959566_sp <mark>M</mark>		SLFSFTSPAV	KRLLGWK		- QG <mark>D</mark> EEEKWA
gi_13959559_sp <mark>M</mark>	– – <mark>TS</mark> MA	SLFSFTSPAV	KRLLGWK		-QG <mark>D</mark> EE <mark>E</mark> KWA
gi_82121811_sp <mark>M</mark>	<mark>TS</mark> MA	SLFSFTSPAV	KRLLGWK		-QG <mark>D</mark> EE <mark>E</mark> KWA
gi_21264062_sp <mark>M</mark>	<mark>TS</mark> MS	SLF SFT SPAV	KRLLGWK		- Q G <mark>D</mark> E E E K W A
gi_21264049_sp_ <mark></mark>		SLFSFTSPAV	KRLLGWK		- QGDEEEKWA
gi_13959539_sp_ <mark>MHST</mark>		SLFSFTSPAV	KRLLGWK		-QG <mark>DEEEKWA</mark>
gi_66774168_sp_ <mark>MHPS</mark>		SLFSFTSPAV	KRLLGWK		-QG <mark>D</mark> EE <mark>E</mark> KWA
gi_13959527_sp_ <mark>MHPS</mark>		SLFSFTSPAV	KRLLGWK		- QG <mark>D</mark> EE <mark>E</mark> KWA
gi_51338669_sp		SILPFTPPIV	KRLLGWK <mark>K</mark>	<mark>G</mark>	E Q N G Q E E K W C
gi_60414603_sp		SILPFTPPIV	KRLLGWKK	G	E Q N G Q E E K W C
gi_117949830_sp		SILPFTPPVV	KRLLGWKKSA	GGSGGA-GGG	EQNGQEEKWC
gi_13633871_sp		SILPFTPPVV	KRLLGWKKSA	GGSGGA-GGG	EQNGQEEKWC
gi_13633914_sp		SILPFTPPVV	KRLLGWKKSA	GGSGGA-GGG	EQNGQEEKWC
gi_75041393_sp		SILPFTPPVV	KRLLGWKKSA	GGSGGA-GGG	EQNGQEEKWC
gi_110826300_sp gi_21264050_sp		SILPFTPPVV SILPFTPPVV	KRLLGWKKSA KRLLGWKKSA	GGSGGA-GGG SGSSGAGGGG	EQNGQEEKWC EQNGQEEKWC
gi_341942043_spMDNM		TSNDACLSIV	HSLMCHR		-QGGESETFA
gi_13959528_sp_MDNM		TSNDACLSIV	HSLMCHR		-QGGESETFA
gi_13959561_sp_MDNM		TSNDACLSIV	HSLMCHR		-QGGESETFA
gi_13959531_sp_MDNM		TSNDACLSIV	HSLMCHR		-QGGESETFA
gi_116256078_spMDNM		TSNDACLSIV	HSLMCHR		-QGGESETFA
gi_13959540_sp_MFRS:		RRL-WRSRVV	PDREE-GS	GGGGGVDEDG	SLGSRAEP-A
gi_115502451_spMFRS		RRL-WRSRVV	PDREEGGS	GGGGGDEDG	SLGSRAEP-A
gi_13959573_sp_ <mark>MFRS</mark>	KRSG <mark>L</mark> V	RRL-WRSRVI	P E R D	GGDGNG	QSSERNAT-A
gi_13959541_sp_ <mark>MFRT</mark>	KRSA <mark>L</mark> V	RRL-WRSRA-	PGGEDE <mark>EEGV</mark>	GGGGGGG	ELRGEG-A
12050520 MEDII					
gi_13959529_sp_ <mark>MFRT</mark>	KRSALV	RRL-WRSRA-	PGGEDE <mark>EEGV</mark>	GGGGGGG	GLRGEG-A
gi_13959538_sp_ <mark>MFRT</mark>		RRL-WRSRA-	P G G E D E E E G A	GGGGGGG	ELRGEG-A
gi_13959538_sp_ <mark>MFRT</mark>					
gi_13959538_sp_ <mark>MFRT</mark> Consistency 1001	KRSALV 0033 <mark>6</mark> 5	RRL-WRSRA-7553665668	P G G E D E E E G A 6 5 6 6 5 5 7 0 0 0	GGGGGGG 0100100001	ELRGEG-A 1764769657
gi_13959538_sp_MFRT; Consistency 1001	KRSALV 003365	RRL-WRSRA-7553665668	PGGEDEEEGA 6566557000 80	GGGGGGG 0100100001	ELRGEG-A
gi_13959538_sp_ <mark>MFRT</mark> Consistency 1001	KRSALV 003365 60 DA	RRL-WRSRA-755366566870	P G G E D E E E G A 6 5 6 6 5 5 7 0 0 0	GGGGGGG 0100100001	ELRGEG-A 1764769657
gi_13959538_sp_MFRT; Consistency 1001 gi_13633932_sp_EKAV;	KRSALV 003365 60 DA	RRL-WRSRA-7553665668	P G G E D E E E G A 6 5 6 6 5 5 7 0 0 0 80 KKKGAME E L E	GGGGGGG 010010000190 KALSCPGQ-P	ELRGEG-A 1764769657100 SNCVTIP
gi_13959538_sp_MFRT; Consistency 1001 gi_13633932_sp_EKAV; gi_118573879_spEKAV;	KRSALV 003365 60 DA DA	RRL-WRSRA-755366566870LVKKLK	P G G E D E E E G A 6 5 6 6 5 5 7 0 0 0 80 KKKGAME E L E KKKGAME E L E	GGGGGGG 010010000190 KALSCPGQ-P KALSCPGQ-P	ELRGEG-A 1764769657
gi_13959538_sp_MFRT; Consistency 1001 gi_13633932_sp_EKAV; gi_13633915_sp_EKAV; gi_13633915_sp_EKAV;	KR SALV 0 0 3 3 6 5 60 DA DA DA	RRL-WRSRA-755366566870LVKKLKLVKKLK	P G G E D E E E G A 6 5 6 6 5 5 7 0 0 0	GGGGGGG 0100100001 90 KALSCPGQ-P KALSCPGQ-P KALSCPGQ-P	ELRGEG-A 1764769657
gi_13959538_sp_MFRT; Consistency 1001 gi_13633932_sp_EKAV; gi_13633915_sp_EKAV; gi_341942042_spEKAV;	KR SALV 0003365 60 DA DA DA DA	RRL-WRSRA-7553665668 70LVKKLKLVKKLKLVKKLK	P G G E D E E E G A 6 5 6 6 5 5 7 0 0 0 80 K K K G A M E E L E K K K G A M E E L E K K K G A M E E L E K K K G A M E E L E	GGGGGGG 0100100001 90 KALSCPGQ-P KALSCPGQ-P KALSCPGQ-P KALSCPGQ-P	ELRGEG-A 1764769657
gi_13959538_sp_MFRT; Consistency 1001 gi_13633932_sp_EKAV; gi_13633915_sp_EKAV; gi_341942042_sp_EKAV; gi_13633872_sp_EKAV;	KR SALV 0003365 60 DA DA DA DA DA	RRL-WRSRA-7553665668	P G G E D E E E G A 6 5 6 6 5 5 7 0 0 0	GGGGGG G 0100100001 90 KALSCPGQ-P KALSCPGQ-P KALSCPGQ-P KALSCPGQ-P KALSCPGQ-P	ELRGEG-A 1764769657
gi_13959538_sp_MFRT; Consistency 1001 gi_13633932_sp_EKAV; gi_13633915_sp_EKAV; gi_13633915_sp_EKAV; gi_341942042_sp_EKAV; gi_13959533_sp_EKAV; gi_13959566_sp_EKAV; gi_13959559_sp_EKAV;	KR SALV 0 0 3 3 6 5 60 DA DA DA DA DA DA DA DA	RRL-WRSRA-755366568	P G G E D E E E G A 6 5 6 6 5 5 7 0 0 0	GGGGGG G 0100100001	E L R G E G - A 1764769657
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_118573879_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959566_sp_EKAV gi_13959566_sp_EKAV gi_13959559_sp_EKAV gi_82121811_sp_EKAV	KR SALV 0003365 60 DA DA DA DA DA DA DA DA DA	RRL-WRSRA-7553665668 70LVKKLKLVKKLKLVKKLKLVKKLKLVKKLKLVKKLKLVKKLK	P G GE DE E E G A 6 5 6 6 5 5 7 0 0 0	GGGGGGGG 0100100001 90 KALSCPGQ-P KALSCPGQ-P KALSCPGQ-P KALSCPGQ-P KALSCPGQ-P KALSSPGQ-P KALSSPGQ-P KALSSPGQ-P KALSSPGQ-P	ELRGEG-A 1764769657
gi_13959538_sp_MFRT; Consistency 1001 gi_13633932_sp_EKAV; gi_13633915_sp_EKAV; gi_13633915_sp_EKAV; gi_341942042_sp_EKAV; gi_13959533_sp_EKAV; gi_13959566_sp_EKAV; gi_13959559_sp_EKAV; gi_13959559_sp_EKAV; gi_82121811_sp_EKAV; gi_21264062_sp_EKAV;	KR SALV 0 0 3 3 6 5 60 DA	RRL-WRSRA-7553665668	P G GE D E E E G A 6 5 6 6 5 5 7 0 0 0	GGGGGGGG 0100100001 90 KALSCPGQ-P KALSCPGQ-P KALSCPGQ-P KALSCPGQ-P KALSCPGQ-P KALSSPGQ-P KALSSPGQ-P KALSSPGQ-P KALSSPGQ-P KALSSPGQ-P	E L R G E G - A 1764769657 100 SNCVTIP SNCVTIP SNCVTIP SNCVTIP SNCVTIP SKCVTIP SKCVTIP SKCVTIP SKCVTIP SKCVTIP SKCVTIP
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_118573879_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959566_sp_EKAV gi_13959559_sp_EKAV gi_13959559_sp_EKAV gi_21264062_sp_EKAV gi_21264049_sp_EKAV	KR SALV 0 0 3 3 6 5 60 DA	RRL-WRSRA- 7553665668	P G GE D E E E G A 6 5 6 6 5 5 7 0 0 0	GGGGGGGG 0100100001	E L R G E G - A 1764769657
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_118573879_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959566_sp_EKAV gi_13959559_sp_EKAV gi_21264062_sp_EKAV gi_21264049_sp_EKAV gi_213959539_sp_EKAV	KR SALV 0003365 60 DA	RRL-WRSRA- 7553665668 70LVKKLKLVKKLKLVKKLKLVKKLKLVKKLKLVKKLKLVKKLKLVKKLKLVKKLK	P G GE D E E E G A 6 5 6 6 5 5 7 0 0 0	GGGGGGGG 0100100001	E L R G E G - A 1 7 6 4 7 6 9 6 5 7 100 SNCVTIP SNCVTIP SNCVTIP SKCVTIP
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959566_sp_EKAV gi_13959559_sp_EKAV gi_21264062_sp_EKAV gi_21264049_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV	KR SALV 0003365 60 DA	RRL-WRSRA- 7553665668	P G GEDE E E GA 6 5 6 6 5 5 7 0 0 0	GGGGGGGG 0100100001	E L R G E G - A 1764769657
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_118573879_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959566_sp_EKAV gi_13959566_sp_EKAV gi_21264062_sp_EKAV gi_21264062_sp_EKAV gi_21264049_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959527_sp_EKAV	KR SALV 0003365 60 DA	RRL-WRSRA- 7553665668	P G GE D E E E G A 6 5 6 6 5 5 7 0 0 0	GGGGGGGG 0100100001	E L R G E G - A 1764769657
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_13633915_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959566_sp_EKAV gi_13959559_sp_EKAV gi_21264062_sp_EKAV gi_21264062_sp_EKAV gi_21264049_sp_EKAV gi_21264049_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_51338669_sp_EKAV	KR SALV 0003365 60 DA	RRL-WRSRA- 7553665668	P G GEDE E E GA 6 5 6 6 5 5 7 0 0 0	GGGGGGGG 0100100001	E L R G E G - A 1 7 6 4 7 6 9 6 5 7
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959566_sp_EKAV gi_13959559_sp_EKAV gi_21264062_sp_EKAV gi_21264062_sp_EKAV gi_21264049_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_51338669_sp_EKAV gi_60414603_sp_EKAV	KR SALV 0003365 60 DA	RRL-WRSRA- 7553665668	P G GEDE E E GA 6 5 6 6 5 5 7 0 0 0	GGGGGGGG 0100100001	E L R G E G - A 1764769657
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_118573879_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959566_sp_EKAV gi_13959559_sp_EKAV gi_21264062_sp_EKAV gi_21264062_sp_EKAV gi_21264049_sp_EKAV gi_3959539_sp_EKAV gi_13959539_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_51338669_sp_EKAV gi_60414603_sp_EKAV gi_17949830_sp_EKAV	KR SALV 0003365 60 DA CA	RRL-WRSRA- 7553665668	P G GE D E E E G A 6 5 6 6 5 5 7 0 0 0	GGGGGGGG 0100100001	E L R G E G - A 1764769657
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_13633915_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959559_sp_EKAV gi_13959559_sp_EKAV gi_21264062_sp_EKAV gi_21264062_sp_EKAV gi_21264049_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959527_sp_EKAV	KR SALV 0003365 60 DA	RRL-WRSRA- 7553665668	P G GEDE E E GA 6 5 6 6 5 5 7 0 0 0	GGGGGGGGG0100100010001000010000010000010000010000	E L R G E G - A 1 7 6 4 7 6 9 6 5 7
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959566_sp_EKAV gi_13959559_sp_EKAV gi_21264062_sp_EKAV gi_21264062_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959527_sp_EKAV gi_13633871_sp_EKAV gi_13633871_sp_EKAV gi_136338914_sp_EKAV	KR SALV 0003365 60 DA	RRL-WRSRA- 7553665668	P G GEDE E E GA 6 5 6 6 5 5 7 0 0 0	GGGGGGGG 0 1 0 0 1 0 0 0 0 1	E L R G E G - A 1 7 6 4 7 6 9 6 5 7
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_118573879_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959566_sp_EKAV gi_13959559_sp_EKAV gi_21264062_sp_EKAV gi_21264062_sp_EKAV gi_21264062_sp_EKAV gi_21264049_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13633871_sp_EKAV gi_13633871_sp_EKAV gi_13633871_sp_EKAV gi_13633914_sp_EKAV gi_75041393_sp_EKAV	KR SALV 0003365 60 DA	RRL-WRSRA- 7553665668	P G GEDE E E GA 6 5 6 6 5 5 7 0 0 0	G G G G G G G G G G G G G G G G G G G	E L R G E G - A 1764769657
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_118573879_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959559_sp_EKAV gi_13959559_sp_EKAV gi_21264062_sp_EKAV gi_21264062_sp_EKAV gi_21264062_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13633871_sp_EKAV gi_13633871_sp_EKAV gi_13633914_sp_EKAV gi_75041393_sp_EKAV gi_75041393_sp_EKAV gi_110826300_sp_EKAV	KR SALV 0003365 60 DA DA DA DA DA DA DA DA CA	RRL-WRSRA- 7553665668	P G GEDE E E GA 6 5 6 6 5 5 7 0 0 0	G G G G G G G G G G G G G G G G G G G	E L R G E G - A 1 7 6 4 7 6 9 6 5 7
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_118573879_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959566_sp_EKAV gi_13959559_sp_EKAV gi_21264062_sp_EKAV gi_21264062_sp_EKAV gi_212640649_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13633871_sp_EKAV gi_13633871_sp_EKAV gi_13633914_sp_EKAV gi_75041393_sp_EKAV gi_75041393_sp_EKAV gi_110826300_sp_EKAV gi_21264050_sp_EKAV	KR SALV 0003365 60 DA	RRL-WRSRA- 7553665668	P G GEDE E E GA 6 5 6 6 5 5 7 0 0 0	G G G G G G G G G G G G G G G G G G G	E L R G E G - A 1 7 6 4 7 6 9 6 5 7
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_118573879_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959559_sp_EKAV gi_13959559_sp_EKAV gi_21264062_sp_EKAV gi_21264062_sp_EKAV gi_21264062_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13633871_sp_EKAV gi_13633871_sp_EKAV gi_13633914_sp_EKAV gi_75041393_sp_EKAV gi_75041393_sp_EKAV gi_110826300_sp_EKAV	KR SALV 0003365 60 DA	RRL-WRSRA- 7553665668	P G GEDE E E GA 6 5 6 6 5 5 7 0 0 0	GGGGGGGGG0100100100010000100000100000100000100000	E L R G E G - A 1 7 6 4 7 6 9 6 5 7
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_118573879_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959566_sp_EKAV gi_13959559_sp_EKAV gi_21264062_sp_EKAV gi_21264049_sp_EKAV gi_21264049_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13633871_sp_EKAV gi_13633871_sp_EKAV gi_13633914_sp_EKAV gi_13633914_sp_EKAV gi_13633914_sp_EKAV gi_110826300_sp_EKAV gi_21264050_sp_EKAV gi_21264050_sp_EKAV gi_341942043_sp_KRAI	KR SALV 0003365 60 DA D	RRL-WRSRA- 7553665668	P G GE D E E E G A 6 5 6 6 5 5 7 0 0 0	G G G G G G G G G G G G G G G G G G G	E L R G E G - A 1 7 6 4 7 6 9 6 5 7
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_118573879_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959566_sp_EKAV gi_13959559_sp_EKAV gi_21264062_sp_EKAV gi_21264062_sp_EKAV gi_21264062_sp_EKAV gi_3959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13633871_sp_EKAV gi_117949830_sp_EKAV gi_117949830_sp_EKAV gi_13633871_sp_EKAV gi_13633871_sp_EKAV gi_13633914_sp_EKAV gi_75041393_sp_EKAV gi_75041393_sp_EKAV gi_75041393_sp_EKAV gi_121264050_sp_EKAV gi_341942043_sp_KRAI gi_33959528_sp_KRAI	KR SALV 0003365 60 DA	R R L - WR S R A - 7 5 5 3 6 6 5 6 6 8	P G G E D E E E G A 6 5 6 6 5 5 7 0 0 0	G G G G G G G G G G G G G G G G G G G	E L R G E G - A 1 7 6 4 7 6 9 6 5 7
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_118573879_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959566_sp_EKAV gi_13959559_sp_EKAV gi_21264062_sp_EKAV gi_21264062_sp_EKAV gi_212640649_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_13633871_sp_EKAV gi_117949830_sp_EKAV gi_13633871_sp_EKAV gi_13633871_sp_EKAV gi_13633914_sp_EKAV	KR SALV 0003365 60 DA	R R L - WR S R A - 7 5 5 3 6 6 5 6 6 8	P G G E D E E E G A 6 5 6 6 5 5 7 0 0 0	G G G G G G G G G G G G G G G G G G G	E L R G E G - A 1 7 6 4 7 6 9 6 5 7
gi_13959538_sp_MFRT Consistency 1001 gi_13633932_sp_EKAV gi_118573879_sp_EKAV gi_13633915_sp_EKAV gi_341942042_sp_EKAV gi_13959533_sp_EKAV gi_13959566_sp_EKAV gi_13959559_sp_EKAV gi_21264062_sp_EKAV gi_21264049_sp_EKAV gi_21264049_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959539_sp_EKAV gi_13959537_sp_EKAV gi_13959527_sp_EKAV gi_13959527_sp_EKAV gi_117949830_sp_EKAV gi_117949830_sp_EKAV gi_13633871_sp_EKAV gi_13633914_sp_EKAV	KR SALV 0003365 60 DA	R R L - WR S R A - 7 5 5 3 6 6 5 6 6 8	P G G E D E E E G A 6 5 6 6 5 5 7 0 0 0	G G G G G G G G G G G G G G G G G G G	E L R G E G - A 1 7 6 4 7 6 9 6 5 7

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gi_115502451_spPRAREGGGCG RSEVRPVAPR RPRDAVGQRG AQGAGRRRA GGPPRPMSEP
gi_13959541_sp_T---DG---- ----- RAYGAGG--- ----- GGAGR----
gi_13959529_sp_T---DG---- ----- RAYGAGG--- ----- GGAGR----
qi 13959538 sp T---DS---- ----- RAHGAGG--- ----- GGPGR----
           668667<mark>0000 0000</mark>77776<mark>4 7767666565 57654453<mark>0</mark>4 6676765<mark>000</mark></mark>
Consistency
           gi_13633932_sp_----- ---- ---- ----- RSL DGRLQVSHRK GLPHVIYCRV
gi_118573879_sp----- ---- ----- ----- RSL DGRLQVSHRK GLPHVIYCRV
qi 13633915 sp ----- ---- ----- ----- RSL DGRLQVSHRK GLPHVIYCRV
qi 341942042_sp----- ---- ----- RSL DGRLQVSHRK GLPHVIYCRV
qi_13633872_sp_----- ---- ----- RSL DGRLQVSHRK GLPHVIYCRV
gi_13959533_sp_----- ---- ---- ----- RSL DGRLQVSHRK GLPHVIYCRV
qi_13959566_sp_----- ---- ---- ----RSL DGRLQVSHRK GLPHVIYCRV
qi_13959559_sp_----- ---- ----- -----RSL DGRLQVSHRK GLPHVIYCRV
gi_82121811_sp_----- ---- ----- ----- RSL DGRLQVSHRK GLPHVIYCRV
gi_21264062_sp_----- ---- ---- ---- RSL DGRLQVSHRK GLPHVIYCRV
gi_21264049_sp_----- ---- ---- ---- RSL DGRLQVSHRK GLPHVIYCRV
gi_13959539_sp_----- ---- ---- ---- RSL DGRLQVSHRK GLPHVIYCRV
gi_66774168_sp_----- ---- ----- ----- RSL DGRLQVSHRK GLPHVIYCRV
gi_13959527_sp_----- ---- ---- ----- RSL DGRLQVSHRK GLPHVIYCRV
gi_51338669_sp_----- ---- ---- ---- RSL DGRLQVSHRK GLPHVIYCRL
qi 60414603_sp_----- ---- ----- RSL DGRLQVSHRK GLPHVIYCRL
gi_117949830_sp SEIWGLSTAN TVDQWDTTGL YSFSEQTRSL DGRLQVSHRK GLPHVIYCRL
gi_13633871_sp_SEIWGLSTAN TVDQWDTTGL YSFSEQTRSL DGRLQVSHRK GLPHVIYCRL
qi 13633914 sp SEIWGLSTPN TIDOWDTTGL YSFSEOTRSL DGRLOVSHRK GLPHVIYCRL
qi_75041393_sp_SEIWGLSTPN TIDQWDTTGL YSFSEQTRSL DGRLQVSHRK GLPHVIYCRL
gi_110826300_spSEIWGLSTPN TIDQWDTTGL YSFSEQTRSL DGRLQVSHRK GLPHVIYCRL
qi 21264050 sp SEIWGLSTPN TIEQWDTSGL YSYPDQTRSL DGRLQVSHRK GLPHVIYCRL
gi_341942043_sp----- ---- ----- ----- RTL DGRLQVAGRK GFPHVIYARL
gi_13959528_sp_----- ---- ----- ----- RTL DGRLQVAGRK GFPHVIYARL
gi_13959561_sp_----- ---- ----- ----- RTL DGRLQVAGRK GFPHVIYARL
qi 13959531_sp_----- ---- ----- RTL DGRLQVAGRK GFPHVIYARL
qi 116256078_sp----- ---- ----- ----- RTL DGRLQVAGRK GFPHVIYARL
qi_13959540_sp_GAGAGGSPLD VAEPGGPGWL PESDCETVTC CLFSERDAAG APRDSGDPQA
qi_115502451_spGAGAGSSLLD VAEPGGPGWL PESDCETVTC CLFSERDAAG APRDASDPLA
gi_13959541_sp_----- ---- ----- ----- AGC CLGKAVRGAK GHHHPHPPTS
gi_13959529_sp_----- ---- ----- AGC CLGKAVRGAK GHHHPHPPSS
gi_13959538_sp_----- ---- ---- ----- AGC CLGKAVRGAK GHHHPHPPAA
           000000000 000000000 0000000<mark>777 7677887678 8578777676</mark>
Consistency
           gi_13633932_sp_wrwpdlQSHH ELKPLECCEF PFGSKQKEVC INPYHYKRVE SPVL-----
gi_118573879_spWRWPDLQSHH ELKPLECCEF PFGSKQKEVC INPYHYKRVE SPVL-----
gi_13633915_sp_wrwpdlQSHH ELKPLECCEF PFGSKQKEVC INPYHYKRVE SPVL-----
gi_341942042_spWRWPDLQSHH ELKPLECCEF PFGSKQKEVC INPYHYKRVE SPVL-----
qi_13633872_sp_WRWPDLQSHH_ELKPLECCEF_PFGSKQKEVC_INPYHYKRVE_SPVL-----
gi_13959533_sp_wrwpdlQShh ELKPLDICEF PFGSKQKEVC INPYHYKRVE SPVL-----
gi_13959566_sp_wrwpdlQShh ELKPLDICEF PFGSKQKEVC INPYHYKRVE SPVL-----
qi 13959559 sp WRWPDLQSHH ELKPLDICEF PFGSKQKEVC INPYHYKRVE SPVL-----
gi_82121811_sp_wrwpdlQSHH ELKPLDICEF PFGSKQKEVC INPYHYKRVE SPVL-----
qi 21264062 sp WRWPDLQSHH ELKPLEVCEY PFGSKQKEVC INPYHYKRVE SPVL-----
gi_21264049_sp_wrwPdlQSHH ElkaleCCEF PFGSKQKDVC INPYHYKRVD SPVL-----
gi_13959539_sp_wrwpdlQShh elkpleccef pfGSkQKevc inpyhyrrve tpvl-----
gi_66774168_sp_WRWPDLQSHH ELKPLECCEF PFGSKQKEVC INPYHYRRVE TPVL-----
gi_13959527_sp_wrwpdlQShh elkpleccef pfGSkQKevc inpyhyrrve tpvl-----
gi_51338669_sp_wrwpdlhshh elramelcef afnmkkdevc vnpyhyQrve tpvl-----
gi_60414603_sp_wrwpdlhshh elramemcey afnmkkdevc vnpyhyorve tpvl-----
gi_117949830_spWRWPDLHSHH ELKAIENCEY AFNLKKDEVC VNPYHYQRVE TPVL-----
gi_13633871_sp_wrwpdlhshh elkalencey afslkkdevc vnpyhyQrve tpvL-----
qi 13633914 sp WRWPDLHSHH ELKAIENCEY AFNLKKDEVC VNPYHYQRVE TPVL-----
gi_75041393_sp_wrwpdlhshh elkalencey afnlkedevc vnpyhyqrve tpvl-----
gi_110826300_spWRWPDLHSHH ELKAIENCEY AFNLKKDEVC VNPYHYQRVE TPVL-----
gi_21264050_sp_wrwPdlhShh Elraietcey afnlkkdevc vnpyhyQrve tpvl-----
gi_341942043_spWRWPDLHK-N ELKHVKYCQY AFDLKCDSVC VNPYHYERVV SPGIDLSGLT
gi_13959528_sp_wrwpdlhk-n ElkhvkycQy Afdlkcdsvc vnpyhyervv spgidlsglt
qi_13959561_sp_wrwpdlhk-n Elkhvkycoy Afdlkcdsvc vnpyhyervv spgidlsglt
gi_13959531_sp_wrwpdlhk-n ElkhvkycQy Afdlkcdsvc vnpyhyervv spgidlsglt
gi_116256078_spWRWPDLHK-N ELKHVKYCQY AFDLKCDSVC VNPYHYERVV SPGIDLSGLT
gi_13959540_sp_RQSPEPEEGG GPRSREARSR LLLLEQELKT VTYSLLKRLK ERSL-----
gi_115502451_spGAALEP-AGG G-RSREARSR LLLLEQELKT VTYSLLKRLK ERSL-----
qi 13959573 sp GGASPPGPGG G---EARSR LVLLERELKA VTYALLKELK ERSL-----
gi_13959541_sp_GAGA---AGG A----- ---EADLKA LTHSVLKKLK ERQL-----
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gi_118573879_sp			D-PSNNKNRF	CLGLLSNVNR	NSTIENTRRH	IG <mark>KGV</mark> HLYYV
gi_13633915_sp_			D-PSNNK <mark>N</mark> RF	CLGLLSNVNR	NSTIENTRRH	IGK GVHL YYV
gi_341942042_sp			D-PSNNK <mark>N</mark> RF	CLG <mark>L</mark> LSNVNR	NSTIENTRRH	IGKGVHLYYV
gi_13633872_sp_			D-PSNNK <mark>N</mark> RF	CLGLLSNVNR	NSTIENTRRH	IGK <mark>GV</mark> HLYYV
gi_13959533_sp_			D-PANNKSRF	CLG <mark>L</mark> LSNVNR	NSTIE <mark>NTR</mark> RH	I G K G V H L Y Y V
gi_13959566_sp_			D-PSNNK <mark>S</mark> RF	CLG <mark>L</mark> LSNVNR	NSTIENTRRH	IGK <mark>GV</mark> HLYYV
gi_13959559_sp_			D-PSNNKSRF	CLG <mark>L</mark> LSNVNR	NSTIENTRRH	IG <mark>KGV</mark> H <mark>L</mark> YYV
gi_82121811_sp_			D-PSNNKNRF	CLG <mark>L</mark> LSNVNR	NSTIENTRRH	IG <mark>KGV</mark> HLYYV
gi_21264062_sp_			D-PSNNKNRF	CLG <mark>L</mark> LSNVNR	NSTIENTRRH	IG <mark>KGV</mark> H <mark>L</mark> YYV
gi_21264049_sp_			D-PSNNRNRF	CLG <mark>L</mark> LSNVNR	NSTIE <mark>NTR</mark> RH	IG <mark>KGV</mark> H <mark>L</mark> YYV
gi_13959539_sp_	SRSVL	IDGF T	D-PSNNRNRF	CLG <mark>L</mark> LSNVNR	NSTIE <mark>NTR</mark> RH	IG <mark>KGV</mark> H <mark>L</mark> YYV
gi_66774168_sp_	SRSVL	IDGF T	D-PSNNRNRF	CLG <mark>L</mark> LSNVNR	NSTIE <mark>NTR</mark> RH	IG <mark>KGV</mark> H <mark>L</mark> YYV
gi_13959527_sp_	SRSVL	IDGF T	D-PSNNRNRF	CLG <mark>L</mark> LSNVNR	NSTIE <mark>NTR</mark> RH	IG <mark>KGV</mark> H <mark>L</mark> YYV
gi_51338669_sp_	QPSMT	V D G F T	D-PSNSE-RF	CLG <mark>L</mark> LSNVNR	NAAVE LTRRH	IG <mark>RGV</mark> RLYYI
gi_60414603_sp_	QPSMT	V D G F T	D-PSNSE-RF	CLG <mark>L</mark> LSNVNR	NAAVE LTRRH	IG <mark>RGV</mark> RLYYI
gi_117949830_sp	QPSLT	V D G F T	D-PSNSE-RF	CLG <mark>L</mark> LSNVNR	NATVE MTRRH	IG <mark>RGV</mark> RLYYI
gi_13633871_sp_	QPSLT	V DGF T	D-PSNSE-RF	CLG <mark>L</mark> LSNVNR	NATVE MTRRH	IG <mark>RGV</mark> RLYYI
gi_13633914_sp_	QPSLT	V D G F T	D-PSNSE-RF	CLG <mark>L</mark> LSNVNR	NATVE MTRRH	IG <mark>RGV</mark> RLYYI
gi_75041393_sp_	QPSLT	V D G F T	D-PSNSE-RF	CLG <mark>L</mark> LSNVNR	NATVE MTRRH	IG <mark>RGV</mark> RLYYI
gi_110826300_sp	QP <mark>SL</mark> T	V D G F T	D-PSNSE-RF	CLG <mark>L</mark> LSNVNR	NATVE MTRRH	IG <mark>RGV</mark> RLYYI
gi_21264050_sp_	QPSLT	V D G F T	D-PSNSE-RF	CLG <mark>L</mark> LSNVNR	NATVE MTRRH	IG <mark>RGV</mark> RLYYI
gi_341942043_sp	CP <mark>VV</mark> T	V D G Y V	D-PSGGD-RF	CLG <mark>Q</mark> LSNVHR	TEAIE RARLH	IG <mark>KGV</mark> QLECK
gi_13959528_sp_	CPIVT	V D G Y V	D-PSGGD-RF	CLG <mark>Q</mark> LSNVHR	TEAIE RAR LH	IG <mark>KGV</mark> QLECK
gi_13959561_sp_	CPIVT	V D G Y V	D-PSGGD-RF	CLG <mark>Q</mark> LSNVHR	TEAIE RARLH	IG <mark>KGV</mark> QLECK
gi_13959531_sp_	CPIVT	V D G Y V	D-PSGGD-RF	CLG <mark>Q</mark> LSNVHR	TEAIE RARLH	IG <mark>KGV</mark> QLECK
gi_116256078_sp	CPIVT	V D G Y V	D-PSGGD-RF	CLG <mark>Q</mark> LSNVHR	TEAIE RARLH	IG <mark>KGV</mark> QLECK
gi_13959540_sp_	DQAVS	I – – <mark>F</mark> Y	DLPQGSGF	CLG <mark>Q</mark> LNLEQR	SESVR <mark>RTR</mark> SK	IGFGI <mark>L</mark> LSKE
gi_115502451_sp	DQAVS	I — — <mark>F</mark> Y	DLPQGSGF	CLG <mark>Q</mark> LNLEQR	SESVR <mark>RTR</mark> SK	IGFGI <mark>L</mark> LSKE
gi_13959573_sp_	EQSVS	I — — <mark>F</mark> Y	DLPQGNGF	CLG <mark>Q</mark> LNLENR	SETVR <mark>RTR</mark> SK	IG <mark>YGI</mark> LLSKE
gi_13959541_sp_	EPSLD	I — — <mark>F</mark> Y	DLPQGNGF	CLG <mark>Q</mark> LNSDNK	SQL <mark>VQ</mark> KV <mark>R</mark> SK	IGCGIQLTRE
gi_13959529_sp_				CLG <mark>Q</mark> LNSDNK		IGCGIQLTRE
gi_13959538_sp_					SQL <mark>VQ</mark> KV <mark>R</mark> SK	IGCGIQLTRE
Consistency	55785	9 6 6 <mark>9</mark> 6	* <mark>0</mark> * 8 7 6 <mark>5 1</mark> 6 *	* * * <mark>6</mark> * <mark>8 7 7 7</mark> 9	7 6 6 9 8 <mark>5 7 *</mark> 6 7	* * <mark>6 * 9 5 * 5 5 5</mark>
) 47 ¹	0 48	0 490)
gi_13633932_sp_					T-TVCKIPSG	_
gi_118573879_sp					T-TVCKIPSG	_
gi_13633915_sp_					T-T <mark>VCKI</mark> PSG	
gi_341942042_sp	_				T-TVCKIPSG	
gi_13633872_sp_				NCNYHH <mark>G</mark> FHP		CSLKIFN
gi_13959533_sp_	G- <mark>GEV</mark>	YAECL	SDSSIFVQS R	NCNFHH <mark>G</mark> FHP	T-TVCKIPSS	CSLKIFN

gi_13633932_sp_c GEVYAECL SDSSIFVQER NCNYHHGFHP T_TVCKIPSG CSLKIFN gi_13633915_sp_c GEVYAECL SDSSIFVQER NCNYHHGFHP T_TVCKIPSG CSLKIFN gi_341942042_sp_c GEVYAECL SDSSIFVQER NCNYHHGFHP T_TVCKIPSG CSLKIFN gi_13633872_sp_c GEVYAECL SDSSIFVQER NCNYHHGFHP T_TVCKIPSG CSLKIFN gi_1395953_sp_c GEVYAECL SDSSIFVQER NCNFHHGFHP T_TVCKIPSG CSLKIFN gi_13959566_sp_c GEVYAECL SDSSIFVQER NCNFHHGFHP T_TVCKIPSG CSLKIFN gi_1395956_sp_c GEVYAECL SDSSIFVQER NCNFHHGFHP T_TVCKIPSG CSLKIFN gi_21264062_sp_c GEVYAECL SDSSIFVQER NCNYHHGFHP T_TVCKIPSG CSLKIFN gi_31395953_sp_c GGEVYAECL SDSSIFVQER NCNYHHGFHP T_TVCKIPSG CSLKIFN gi_13959527_sp_c GEVYAECU SDSSIFVQER NCNYHHGFHP T_TVCKIPSG CSLKVFN gi_13959521_sp_c GEVYAECU SDSSIFVQER NCNYHHGFHP							• • •		47(J		480)	
Gradu	gi_13633932_sp_	G – <mark>G</mark>	EV	YAEC	L	S D S	SI	FVQ	R	NCN	YHH	G F H P	T - T	V C K	I P S G	CSLKII	N
gi_341942042_sp_G-GEVYAECL SDSSIFVQSR NCNYHHGFHP T-TVCKIPSG CSLKIFN gi_13633872_sp_G-GEVYAECL SDSSIFVQSR NCNYHHGFHP T-TVCKIPSG CSLKIFN gi_13959566_sp_G-GEVYAECL SDSSIFVQSR NCNFHHGFHP T-TVCKIPSS CSLKIFN gi_1395956_sp_G-GEVYAECL SDSSIFVQSR NCNFHHGFHP T-TVCKIPSS CSLKIFN gi_21264062_sp_G-GEVYAECL SDSSIFVQSR NCNYHHGFHP T-TVCKIPSG CSLKIFN gi_21264049_sp_G-GEVYAECL SDSSIFVQSR NCNYHHGFHP T-TVCKIPSG CSLKIFN gi_13959539_sp_G-GEVYAECL SDSSIFVQSR NCNYHHGFHP T-TVCKIPSG CSLKIFN gi_13959539_sp_G-GEVYAECV SDSSIFVQSR NCNYHHGFHP T-TVCKIPSG CSLKIFN gi_13959539_sp_G-GEVYAECV SDSSIFVQSR NCNYHHGFHP T-TVCKIPSG CSLKIFN gi_13959539_sp_G-GEVYAECV SDSSIFVQSR NCNYHGFHP T-TVCKIPSG CSLKVFN gi_13959527_sp_G-GEVYAECV SDSSIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_13059527_sp_G-GEVYAECL SDSAIFVQSP NCNQRYGWHP	_					S D S	SI	FVQ	R	NCN	YHH	G F H P	T - T	V C K	I P S G	CSLKI	N
gi_13633872_sp_ G - G E V Y A E C L SDSSIFVQ SR NCNYHH G F HP T - TVCKIPSG CSLKIFN gi_13959533_sp_ G - G E V Y A E C L SDSSIFVQ SR NCNFHH G F HP T - TVCKIPSS CSLKIFN gi_13959556_sp_ G - G E V Y A E C L SDSSIFVQ SR NCNFHH G F HP T - TVCKIPSS CSLKIFN gi_82121811_sp_ G - G E V Y A E C L SDSSIFVQ SR NCNYHH G F HP T - TVCKIPSS CSLKIFN gi_21264049_sp_ G - G E V Y A E C L SDSSIFVQ SR NCNYHH G F HP T - TVCKIPSG CSLKIFN gi_13959539_sp_ G - G E V Y A E C L SDSSIFVQ SR NCNYHH G F HP T - TVCKIPSG CSLKIFN gi_13959539_sp_ G - G E V Y A E C L SDSSIFVQ SR NCNYHH G F HP T - TVCKIPSG CSLKVFN gi_13959539_sp_ G - G E V Y A E C L SDSSIFVQ SR NCNYQH G F HP A - TVCKIPSG CSLKVFN gi_13959527_sp_ G - G E V F A E C L SDSAIFVQ SP NCNQRYG W HP A - TVCKIPSG CSLKVFN gi_13633971_sp_ G - G E V F A E C L SDSAIFVQ SP NCNQRYG W HP A - TVCKIPSG </td <td>gi_13633915_sp_</td> <td>G – <mark>G</mark></td> <td>EV</td> <td>YAEC</td> <td>L</td> <td>SDS</td> <td>SI</td> <td>FVQ</td> <td>R</td> <td>NCN</td> <td>YHH</td> <td>G<mark>FH</mark>P</td> <td>T - T</td> <td>V C K</td> <td>I P S G</td> <td>CSLKII</td> <td>N</td>	gi_13633915_sp_	G – <mark>G</mark>	EV	YAEC	L	SDS	SI	FVQ	R	NCN	YHH	G <mark>FH</mark> P	T - T	V C K	I P S G	CSLKII	N
gi_13959533_sp_ G = G E V Y A E C L SD S S I F V Q SR NCNFHH G F HP T - T V C K I P SS C S L K I F N	gi_341942042_sp	G – <mark>G</mark>	EV	YAEC	L	SDS	SI	FVQ	R	NCN	YHH	G F H P	T - T	V C K	I P S G	CSLKII	N
gi_13959566_sp_ G_GEVYAECL SDSSIFVQSR NCNFHHGFHP T_TVCKIPSS CSLKIFN gi_13959559_sp_ G_GEVYAECL SDSSIFVQSR NCNFHHGFHP T_TVCKIPSS CSLKIFN gi_82121811_sp_ G_GEVYAECL SDSSIFVQSR NCNYHHGFHP T_TVCKIPSG CSLKIFN gi_21264062_sp_ G_GEVYAECL SDSSIFVQSR NCNYHHGFHP T_TVCKIPSG CSLKIFN gi_13959539_sp_ G_GEVYAECV SDSSIFVQSR NCNYHGFHP T_TVCKIPSG CSLKVFN gi_13959527_sp_ G_GEVYAECV SDSSIFVQSR NCNYQHGFHP A_TVCKIPSG CSLKVFN gi_351338669_sp_ G_GEVYAECL SDSAIFVQSP NCNQRYGWHP A_TVCKIPSG CSLKVFN gi_160414603_sp_ G_GEVFAECL SDSAIFVQSP NCNQRYGWHP A_TVCKIPPG CNLKIFN gi_13633871_sp_ G_GEVFAECL SDSAIFVQSP NCNQRYGWHP A_TVCKIPPG CNLKIFN gi_175041393_sp_ G_GEVFAECL SDSAIFVQSP NCNQRYGWHP A_TVCKIPPG CNLKIFN gi_13959528_sp_ G_GEVFAECL SDSAIFVQSP NC	gi_13633872_sp_	G – <mark>G</mark>	EV	YAEC	L	SDS	SI	FVQ	R	NCN	YHH	G <mark>FH</mark> P	T - T	V C K	I P S G	CSLKII	N
Gi_13959559_sp_G = GEVYAECL SDSSIFVQSR NCNFHHGFHP T-TVCKIPSG CSLKIFN gi_82121811_sp_G = GEVYAECL SDSSIFVQSR NCNYHHGFHP T-TVCKIPSG CSLKIFN gi_21264062_sp_G = GEVYAECL SDSSIFVQSR NCNYHHGFHP T-TVCKIPSG CSLKIFN gi_21264049_sp_G = GEVYAECL SDSSIFVQSR NCNYHHGFHP T-TVCKIPSG CSLKIFN gi_13959539_sp_G = GEVYAECV SDSSIFVQSR NCNYHHGFHP T-TVCKIPSG CSLKVFN gi_13959539_sp_G = GEVYAECV SDSSIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_13959527_sp_G = GEVYAECV SDSSIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_13959527_sp_G = GEVYAECV SDSSIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_13138639553_sp_G = GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPSG CSLKVFN gi_13633871_sp_G = GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13633914_sp_G = GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13633914_sp_G = GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_110826300_sp_G = GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_121264050_sp_G = GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13959528_sp_G = GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13193959528_sp_G = GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13959531_sp_G = GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13959531_sp_G = GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13959551_sp_G = GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13959553_sp_VD = VWAYNR SEPPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959553_sp_VD = VWA	gi_13959533_sp_	G – <mark>G</mark>	EV	YAEC	L	SDS	SI	F V Q	R	NCN	FHH	G <mark>FH</mark> P	T - T	V C K	I P S S	CSLKII	N
gi_82121811_sp_G GEVYAECL SDSSIFVQSR NCNYHHGFHP T-TVCKIPSG CSLKIEN gi_21264062_sp_G GEVYAECL SDTSIFVQSR NCNYHHGFHP T-TVCKIPSG CSLKIEN gi_21264049_sp_G GEVYAECL SDSSIFVQSR NCNYHHGFHP T-TVCKIPSG CSLKIEN gi_13959539_sp_G GEVYAECV SDSSIFVQSR NCNYQHGFHP T-TVCKIPSG CSLKVFN gi_13959527_sp_G GEVYAECV SDSSIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_51338669_sp_G GEVYAECV SDSSIFVQSR NCNQRYGWHP A-TVCKIPSG CSLKVFN gi_51338669_sp_G GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN	gi_13959566_sp_	G – <mark>G</mark>	EV	YAEC	L	SDS	SI	FVQ:	R	NCN	FHH	G <mark>FH</mark> P	T - T	V <mark>C</mark> K	I P S S	CSLKII	N
gi_21264062_sp_G G=CVYAECL SDTSIFVQSR NCNYHHGFHP T-TVCKIPSG CSLKIFN gi_21264049_sp_G G=EVYAECL SDSSIFVQSR NCNYHHGFHP T-TVCKIPSG CSLKIFN gi_13959539_sp_G G=EVYAECV SDSSIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_13959527_sp_G G=EVYAECV SDSSIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_51338669_sp_G G=EVYAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPSG CSLKVFN gi_17949830_sp_G G=EVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13633871_sp_G G=EVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13633871_sp_G G=EVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13633914_sp_G G=EVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_1363391_sp_G G=EVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_136395820_sp_G G=EVFAECL SDSAIFVQSP NCNQ	gi_13959559_sp_	G – <mark>G</mark>	EV	YAEC	L	SDS	SI	FVQ:	R	NCN	FHH	G <mark>FH</mark> P	T - T	V <mark>C</mark> K	I P S S	CSLKI	N
Gi_21264049_sp_G-GEVYAECL SDSSIFVQSR NCNYHHGFHP T-TVCKIPSR CSLKIFN gi_13959539_sp_G-GEVYAECV SDSSIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_66774168_sp_G-GEVYAECV SDSSIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_13959527_sp_G-GEVYAECV SDSSIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_51338669_sp_G-GEVYAECL SDSAIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_51338669_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_60414603_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_117949830_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13633871_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_75041393_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_110826300_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_12264050_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_341942043_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_341942043_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13959528_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959561_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959551_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959540_sp_PDG-VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959573_sp_PDG-VWAYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959551_sp_VDG-VWYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_VDG-VWYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD	gi_82121811_sp_	G – <mark>G</mark>	EV	YAEC	L	SDS	SI	FVQ:	R	NCN	YHH	G <mark>FH</mark> P	T - T	V <mark>C</mark> K	I P S G	CSLKI	N
Gi_13959539_sp_G-GEVYAECV SDSSIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_66774168_sp_G-GEVYAECV SDSSIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_13959527_sp_G-GEVYAECV SDSSIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_13959527_sp_G-GEVYAECV SDSSIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_51338669_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_60414603_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13633871_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13633871_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_75041393_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_1026300_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_21264050_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_341942043_sp_GEGDVWVRCL SDBAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_341942043_sp_GEGDVWVRCL SDBAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13959528_sp_GEGDVWVRCL SDBAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959551_sp_GEGDVWVRCL SDBAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFD gi_13959553_sp_DDG-VWAYNR SEHPIFVNSP TLDAPGGR ALVVRKVPPG FSIKAFD gi_13959558_sp_VDG-VWYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD	gi_21264062_sp_	G – <mark>G</mark>	EV	YAEC	L	SDT	SI	F V Q	R	NCN	ҮНН	G F H P	T - T	V C K	I P S G	CSLKII	N – – –
Gi_66774168_sp_G GEVYAECV SDSSIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_13959527_sp_G GEVYAECV SDSSIFVQSR NCNYQHGFHP A-TVCKIPSG CSLKVFN gi_51338669_sp_G GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_117949830_sp_G GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13633871_sp_G GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13633914_sp_G GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_75041393_sp_G GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_110826300_sp_G GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_21264050_sp_G GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_341942043_sp_G GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_341942043_sp_G GEGVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_313959528_sp_G GEGVWRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959561_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959531_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959531_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959551_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_139595573_sp_PDG - VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_139595573_sp_PDG - VWAYNR SEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959554_sp_VDG - VWYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959558_sp_VDG - VWYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959558_sp_VDG - VWYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD	gi_21264049_sp_	G – <mark>G</mark>	EV	YAEC	L	S D S	SI	FVQ	R	NCN	YHH	G <mark>FH</mark> P	T - T	V <mark>C</mark> K	I P S R	CSLKI	N
gi_13959527_sp_g G - GEVYAECV SDSSIFVQSR NCNYQHGFHP A - TVCKIPSG CSLKVFN gi_51338669_sp_g G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_60414603_sp_g G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_13633871_sp_g G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_13633914_sp_g G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_75041393_sp_g G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_110826300_sp_g G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_21264050_sp_g G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_341942043_sp_g G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_13959528_sp_g G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_341942043_sp_g G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN<	gi_13959539_sp_	G – <mark>G</mark>	EV	YAEC	V	S D S	SI	FVQ	R	NCN	ΥQΗ	G <mark>FH</mark> P	A – T	V <mark>C</mark> K	I P S G	CSLKVI	N
gi_51338669_sp_ G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_60414603_sp_ G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_117949830_sp_ G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_13633871_sp_ G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_13633914_sp_ G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_75041393_sp_ G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_110826300_sp_ G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_110826300_sp_ G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_110826300_sp_ G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_3141942043_sp_ G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_341942043_sp_ G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN	gi_66774168_sp_	G – <mark>G</mark>	EV	YAEC	V	SDS	SI	F V Q	R	NCN	ΥQΗ	G <mark>FH</mark> P	A – T	V <mark>C</mark> K	I P S G	CSLKVI	N
gi_60414603_sp_G GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN Cnlk	gi_13959527_sp_	G – <mark>G</mark>	EV	YAEC	V	SDS	SI	F V Q	R	NCN	YQH	G <mark>FH</mark> P	A – I	V C K	I P S G	CSLKVI	N
gi_117949830_sp G G EVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13633871_sp G G EVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13633914_sp G G EVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_110826300_sp G G EVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_21264050_sp G G EVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_341942043_sp G G EVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_341942043_sp G G EVFAECL SDAAVFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13959528_sp G G VWVRCL SDHAVFVQSP YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959531_sp G G DVWVRCL SDHAVFVQSP YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_1395954	gi_51338669_sp_	G – <mark>G</mark>	EV	FAEC	L	SDS	ΑI	FVQ:	P	NCN	QRY	GWHP	A – I	V C K	I P P G	CNLKI	N
Gi_13633871_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_13633914_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_75041393_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_110826300_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_21264050_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_341942043_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959528_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959561_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959531_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959531_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959540_sp_PDG-VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959573_sp_PDG-VWAYNR SEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959573_sp_PDG-VWAYNR SEHPIFVNSP TLDAPGGR TLLVHKVFPG FSIKAFD gi_13959529_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD	gi_60414603_sp_	G – <mark>G</mark>	EV	FAEC	L	SDS	ΑI	FVQ:	P	NCN	QRY	GWHP	A – I	V <mark>C</mark> K	I P P G	CNLKI	N
Gi_13633914_sp_G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_75041393_sp_G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_110826300_sp_G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_21264050_sp_G - GEVFAECL SDSAIFVQSP NCNQRYGWHP A - TVCKIPPG CNLKIFN gi_341942043_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959528_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959561_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959531_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_116256078_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959540_sp_PDG - VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959573_sp_PDG - VWAYNR SEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959573_sp_VDG - VWYYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959529_sp_VDG - VWYYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_VDG - VWYYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD	gi_117949830_sp	G – <mark>G</mark>	EV	FAEC	L	SDS	ΑI	FVQ:	P	NCN	QRY	GWHP	A – I	V <mark>C</mark> K	I P P G	CNLKI	N
Gi_75041393_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_110826300_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_21264050_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_341942043_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959528_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959561_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959531_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_116256078_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959540_sp_PDG-VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959573_sp_PDG-VWAYNR SEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_139595541_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD	gi_13633871_sp_	G – <mark>G</mark>	E	FAEC	CL	SDS	A I	F V Q	P	NCN	QRY	G <mark>WH</mark> P	A – I	V <mark>C</mark> K	I P P G	CNLKI	N
Gi_110826300_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_21264050_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_341942043_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959528_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959561_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959531_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_116256078_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959540_sp_PDG-VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959573_sp_PDG-VWAYNR SEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959541_sp_VDG-VWAYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD	gi_13633914_sp_	G – <mark>G</mark>	EV	FAEC	CL	SDS	A I	FVQ	P	NCN	QRY	G <mark>WH</mark> P	A – I	V <mark>C</mark> K	I P P G	CNLKI	N
Gi_21264050_sp_G-GEVFAECL SDSAIFVQSP NCNQRYGWHP A-TVCKIPPG CNLKIFN gi_341942043_sp GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959528_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959561_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959531_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_116256078_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959540_sp_PDG-VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_15502451_spPDG-VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959573_sp_PDG-VWAYNR SEHPIFVNSP TLDIPNCR TLIVRKVMPG YSIKVFD gi_13959529_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD	gi_75041393_sp_	G – <mark>G</mark>	EV	FAEC	L	SDS	A I	FVQ	P	NCN	QRY	G <mark>WH</mark> P	A – I	V <mark>C</mark> K	I P P G	CNLKI	N
Gi_341942043_sp GE G D V W V R CL S D H A V F V Q S Y Y L D R E A G R A P G D A V H K I Y P S A Y I K V F D L R Q Gi_13959528_sp G E G D V W V R CL S D H A V F V Q S Y Y L D R E A G R A P G D A V H K I Y P S A Y I K V F D L R Q Gi_13959561_sp G E G D V W V R CL S D H A V F V Q S Y Y L D R E A G R A P G D A V H K I Y P S A Y I K V F D L R Q Gi_13959531_sp G E G D V W V R CL S D H A V F V Q S Y Y L D R E A G R A P G D A V H K I Y P S A Y I K V F D L R Q Gi_116256078_sp G E G D V W V R CL S D H A V F V Q S Y Y L D R E A G R A P G D A V H K I Y P S A Y I K V F D L R Q Gi_13959540_sp P D G - V W A Y N R G E H P I F V N S P T L D A P G G R A L V V R K V P P G Y S I K V F D Gi_13959573_sp P D G - V W A Y N R S E H P I F V N S P T L D I P N C R T L I V R K V M P G Y S I K V F D Gi_13959541_sp V D G - V W V Y N R S S Y P I F I K S A T L D N P D S R T L L V H K V F P G F S I K A F D Gi_13959538_sp V D G - V W V Y N R S S Y P I F I K S A T L D N P D S R T L L V H K V F P G F S I K A F D Gi_13959538_sp V D G - V W V Y N R S S Y P I F I K S A T L D N P D S R T L L V H K V F P G F S I K A F D Gi_13959538_sp V D G - V W V Y N R S S Y P I F I K S A T L D N P D S R T L L V H K V F P G F S I K A F D Gi_13959538_sp V D G - V W V Y N R S S Y P I F I K S A T L D N P D S R T L L V H K V F P G F S I K A F D Gi_13959538_sp V D G - V W V Y N R S S Y P I F I K S A T L D N P D S R T L L V H K V F P G F S I K A F D Gi_13959538_sp V D G - V W V Y N R S S Y P I F I K S A T L D N P D S R T L L V H K V F P G F S I K A F D G I L V K V F P G F S I K A F D G I L V K V F P G F S I K A F D G I L V K V F P G F S I K A F D G I L V K V F P G F S I K A F D G I L V K V F P G F S I K A F D G I L V K V F P G F S I K A F D G I L V K V F P G F S I K A F D G I L V K V F P G F S I K A F D G I L V K V F P G F S I K A F D G I L V K V F P G F S I K A F D G I L V K V F P G F S I K A F D G I L V K V F P G F S I K A F D G I L V K V F P G F S I K A F D	gi_110826300_sp	G – <mark>G</mark>	E	FAEC	CL	SDS	A I	F V Q	P	NCN	QRY	G <mark>WH</mark> P	A – I	V C K	I P P G	CNLKI	N
Gi_13959528_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959561_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959531_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_116256078_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959540_sp_PDG-VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_15502451_sp_PDG-VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959573_sp_PDG-VWAYNR SEHPIFVNSP TLDIPNCR TLIVRKVMPG YSIKVFD gi_13959541_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959529_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD	gi_21264050_sp_	G – <mark>G</mark>	EV	FAEC	L	SDS	A I	FVQ	P	NCN	QRY	GWHP	A - I	V <mark>C</mark> K	I P P G	CNLKI	N
gi_13959561_sp_ GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959531_sp_ GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_116256078_sp_ GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959540_sp_ PDG - VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_1502451_sp_ PDG - VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959573_sp_ PDG - VWAYNR SEHPIFVNSP TLDIPNCR TLIVRKVMPG YSIKVFD gi_13959541_sp_ VDG - VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959529_sp_ VDG - VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_ VDG - VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_ VDG - VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD	gi_341942043_sp	G E G	D	WVRC	CL	S D H	A V	F V Q	Y	YLD	REA	G <mark>RA</mark> P	G D A	V <mark>H</mark> K	I Y P S	AYIKVI	D L R Q
gi_13959531_sp_GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_116256078_sp GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959540_sp_PDG-VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959573_sp_PDG-VWAYNR SEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959573_sp_PDG-VWAYNR SEHPIFVNSP TLDIPNCR TLIVRKVMPG YSIKVFD gi_13959541_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959529_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD	gi_13959528_sp_	G E G	D V	WVRC	CL	SDH	A V	F V Q	Y	YLD	REA	G RAP	GD A	V <mark>H</mark> K	I Y P S	AYIKVI	DLRQ
gi_116256078_sp GEGDVWVRCL SDHAVFVQSY YLDREAGRAP GDAVHKIYPS AYIKVFDLRQ gi_13959540_sp_PDG-VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_115502451_sp PDG-VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959573_sp_PDG-VWAYNR SEHPIFVNSP TLDIPNCR TLIVRKVMPG YSIKVFD gi_13959541_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959529_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD	gi_13959561_sp_	G E G	DV	WVRC	CL	SDH	A V	FVQ	Y	YLD	REA	G RAP	G D A	V <mark>H</mark> K	I Y P S	AYIKVI	DLRQ
gi_13959540_sp_PDG-VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_115502451_spPDG-VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959573_sp_PDG-VWAYNR SEHPIFVNSP TLDIPNCR TLIVRKVMPG YSIKVFD gi_13959541_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959529_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD	gi_13959531_sp_	G E G	D	WVRC	CL	S D H	A V	F V Q	Y	YLD	REA	G RAP	G D A	V H K	I Y P S	AYIKVI	DLRQ
gi_115502451_spPDG-VWAYNR GEHPIFVNSP TLDAPGGR ALVVRKVPPG YSIKVFD gi_13959573_sp_PDG-VWAYNR SEHPIFVNSP TLDIPNCR TLIVRKVMPG YSIKVFD gi_13959541_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959529_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD	gi_116256078_sp	G E G	D	WVRC	CL	SDH	A V	F V Q	Y	YLD	REA	G R A P	G D A	V H K	I Y P S	AYIKVI	DLRQ
gi_13959573_sp_PDG-VWAYNR SEHPIFVNSP TLDIPNCR TLIVRKVMPG YSIKVFD gi_13959541_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959529_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD gi_13959538_sp_VDG-VWVYNR SSYPIFIKSA TLDNPDSR TLLVHKVFPG FSIKAFD	gi_13959540_sp_	P D G	– 7	WAY1	1R	GE H	PI	FVN	P	TLD	APG	G R	ALV	V <mark>R</mark> K	V P P G	YS I K VI	D
gi_13959541_sp_vdg-vwvynr ssypifiksa tldnpdsr tllvhkvfpg fsikafd gi_13959529_sp_vdg-vwvynr ssypifiksa tldnpdsr tllvhkvfpg fsikafd gi_13959538_sp_vdg-vwvynr ssypifiksa tldnpdsr tllvhkvfpg fsikafd	gi_115502451_sp	P D G	– 7	WAY1	1R	GE H	PI	FVN	P	TLD	APG	G R	A L V	V <mark>R</mark> K	V P P G	YS I K VI	D
gi_13959529_sp_vdg-vwvynr ssypifiksa tldnpdsr tllvhkvfpg fsikafd gi_13959538_sp_vdg-vwvynr ssypifiksa tldnpdsr tllvhkvfpg fsikafd	gi_13959573_sp_	P D G	– 7	WAYN	1R	SEH	PI	FVN	P	TLD	IPN	C R	TL I	V <mark>R</mark> K	V M P G	YS I K VI	D
gi_13959538_sp_v <mark>dg-vwvynr ssypifiksa tldnpdsr tllvhkvfpg fsikafd</mark>	gi_13959541_sp_	V D G	– 7	WVY1	1R	SSY	PΙ	FIK	A	TLD	NPD	S R	T L I	V <mark>H</mark> K	V F P G	FSIKAI	D
	gi_13959529_sp_	V D G	– 7	WVY1	1R	SSY	PI	FIK	A	TLD	NPD	S R	T L I	V <mark>H</mark> K	V F P G	FSIKAI	D
Consistency 70 * 5 * 6 8 6 7 7 9 8 6 6 9 * 9 8 * 4 6 6 7 4 4 4 8 4 4 6 6 0 6 * 5 * 9 6 6 7 6 6 8 * 8 * 7 0 0 0	gi_13959538_sp_	V D G	– 7	W V Y I	1R	SSY	PI	FIK	A	TLD	NPD	S R	TLI	V <mark>H</mark> K	V F P G	FSIKAI	D
	Consistency	7 0 *	5	6867	7 7	986	6 9	* 9 8	4	667	444	8 4 4 6	6 <mark>0</mark> 6	* <mark>5</mark> *	<mark>9</mark> 6 6 7	668*8	7000

		520			
gi_13633932_sp <mark>N</mark> (<u> </u>	A <mark>QL</mark> LAQS VN	<mark>1<mark>н</mark> с і</mark>	<mark>'E</mark>	· - <mark>T</mark> V
gi_118573879_sp <mark>N</mark> (
gi_13633915_sp <mark>N</mark> (
gi_341942042_sp <mark>N</mark> (<u> </u>	A <mark>QLLAQS VN</mark>	1 <mark>HG</mark> I	<mark>E</mark>	· - <mark>T</mark> V

gi_13633872_spNQE	F <mark>AQL</mark> LAQ	S V N	-	<mark>T</mark> E
gi_13959533_sp <mark>NQE</mark>	<mark>F</mark> <mark>A</mark> QLLAQ	S VN	<mark>hgfe</mark>	<mark>AV</mark>
gi_13959566_sp <mark>NQE</mark>	<mark>F</mark> <mark>A</mark> QLLAQ	S VN	<mark>hgfe</mark>	<mark>AV</mark>
gi_13959559_sp <mark>NQE</mark>	<mark>F</mark> <mark>A</mark> QLLAQ	S VN	<mark>hgfe</mark>	<mark>AV</mark>
gi_82121811_sp <mark>NQE</mark>	<mark>F</mark> <mark>A</mark> QLLAQ	S VN	-	<mark>A</mark> V
gi_21264062_sp <mark>NQE</mark>	<mark>F</mark> <mark>A</mark> QLLAQ	S VN	<mark>hgfe</mark>	<mark>AV</mark>
gi_21264049_sp <mark>NQE</mark>	<mark>F</mark> <mark>a</mark> ellag	S VN	<mark>HGFE</mark>	<mark>A</mark> V
gi_13959539_sp <mark>NQ</mark> I	<mark>F</mark> <mark>A</mark> QLLAQ	S VH	-	<mark>v</mark> v
gi_66774168_sp <mark>NQ</mark> I	<mark>F</mark> AQLLAQ	S VH	-	<mark>vv</mark>
gi_13959527_sp <mark>NQ</mark> I	<mark>F<mark>A QLL</mark>AQLLAQ</mark>	S VH	<mark>HGFE</mark>	<mark>vv</mark>
gi_51338669_sp <mark>NQE</mark>	<mark>EF</mark> <mark>A</mark> ALLAÇ	S	<mark>Q G F E</mark>	<mark>AV</mark>
gi_60414603_sp <mark>NQE</mark>	<mark>EFA</mark> ALLAÇ		<mark>QGFE</mark>	<mark>AV</mark>
gi_117949830_sp <mark>NQE</mark>	<mark>EFA</mark> ALLAÇ	S VN	<mark>QGFE</mark>	<mark>AV</mark>
gi_13633871_sp <mark>NQE</mark>	<mark>EFA</mark> ALLAÇ	S VN	<mark>QGFE</mark>	<mark>AV</mark>
gi_13633914_sp <mark>NQE</mark>		S	<mark>QGFE</mark>	<mark>AV</mark>
gi_75041393_sp <mark>NQE</mark>	<mark>EF</mark> <mark>A</mark> ALLAÇ	S	<mark>QGFE</mark>	<mark>AV</mark>
gi_110826300_sp <mark>NQG</mark>	<mark>F</mark> <mark>A</mark> ALLAÇ	S	<mark>QGFE</mark>	<mark>A</mark> V
gi_21264050_sp_ <mark>NQE</mark>	<mark>ef</mark> aallag	S V N	<mark>QGFE</mark>	<mark>A</mark> V
gi_341942043_sp <mark>CHRQMQQQ</mark>	Q <mark>A<mark>A TAQ</mark>AAAAQ</mark>	A <mark>A</mark> AVAG <mark>N</mark> IPGP G	SSV <mark>G</mark> GIAPAI	SLSAAAGIGV
gi_13959528_sp_ <mark>CHRQMQQQ</mark>	Q <mark>A<mark>A TAQ</mark>AAAAQ</mark>	A <mark>A</mark> AVAG <mark>N</mark> IPGP G	SSV <mark>G</mark> GIAPAI	SLSAAAGIGV
gi_13959561_sp_ <mark>CHRQMQQQ</mark>	Q <mark>A<mark>A TAQ</mark>AAAAQ</mark>	A <mark>A</mark> AVAG <mark>N</mark> IPGP G	SSV <mark>G</mark> GIAPAI	SLSAAAGIGV
gi_13959531_sp_ <mark>CHRQMQQQ</mark>	Q <mark>A<mark>A TAQ</mark>AAAAQ</mark>	A <mark>A</mark> AVAG <mark>N</mark> IPGP G	SSV <mark>G</mark> GIAPAI	SLSAAAGIGV
gi_116256078_sp <mark>CHRQM</mark> QQQ	Q <mark>A<mark>A TAQ</mark>AAAAQ</mark>	A AAVAG <mark>N</mark> IPGP G	GSV <mark>G</mark> GIAPAI	SLSAAAGIGV
gi_13959540_sp <mark>FE</mark> F	<mark>RS</mark> GLLQE	A	<mark></mark> D	<mark>AA</mark>
gi_115502451_sp <mark>FE</mark> F	<mark>RS</mark> G-LQE	A	-	<mark>A</mark> A
gi_13959573_sp <mark>YE</mark> K	<mark>(S</mark> CLLQE	Т	<mark>AELD</mark>	<mark>Y</mark> A
gi_13959541_sp <mark>YE</mark> K	<mark>(<mark>AY</mark>SLQF</mark>	P	<mark>N</mark> DHE	<mark>F</mark> M
gi_13959529_sp <mark>YE</mark> K	<mark>K</mark> <mark>AYS</mark> LQF	P	<mark>N</mark> DHE	<mark>F</mark> M
gi_13959538_sp_ <mark></mark> YE	<mark>(<mark>A</mark>YSLQF</mark>	P	<mark>N</mark> DHE	<mark>F</mark> M
Consistency 00000686	5	7 5 0 0 0 0 <mark>5</mark> 0 0 0 0	000 <mark>4</mark> 767000	00000000 <mark>5</mark> 8

gi_13633932_sp_YELTKMCTLR MSFVKGWGAE YHRQDVTSTP CWIEIHLHGP LQWLDKVLTQ gi_118573879_spYELTKMCTIR MSFVKGWGAE YHRQDVTSTP CWIEIHLHGP LQWLDKVLTQ gi_13633915_sp_YELTKMCTIR MSFVKGWGAE YHRODVTSTP CWIEIHLHGP LOWLDKVLTO qi_341942042_spYELTKMCTIR MSFVKGWGAE YHRQDVTSTP CWIEIHLHGP LQWLDKVLTQ qi_13633872_sp_YELTKMCTIR MSFVKGWGAE YHRQDVTSTP CWIEIHLHGP LQWLDKVLTQ qi_13959533_sp_YELTKMCTIR MSFVKGWGAE CWIEIHLHGP LQWLDKVLTQ gi_13959566_sp_YELTKMCTIR MSFVKGWGAE CWIEIHLHGP LQWLDKVLTQ YHRQDVTSTP gi_13959559_sp_YELTKMCTIR MSFVKGWGAE YHRQDVTSTP CWIEIHLHGP LQWLDKVLTQ gi_82121811_sp_YELTKMCTIR MSFVKGWGAE YHRODVTSTP CWIEIHLHGP LOWLDKVLTO gi_21264062_sp_YELTKMCTIR MSFVKGWGAE YHRQDVTSTP CWIEVHLHGP LQWLDKVLTQ CWIEIHLHGP LOWLDKVLTO gi_21264049_sp_YELTKMCTIR MSFVKGWGAK YHRQDVTSTP CWIEIHLHGP LOWLDKVLTO gi_13959539_sp_YELTKMCTIR MSFVKGWGAE YHRQDVTSTP gi_66774168_sp_YELTKMCTIR MSFVKGWGAE YHRQDVTSTP LQWLDKVLTQ CWIEIHLHGP gi_13959527_sp_YELTKMCTIR MSFVKGWGAE YHRODVTSTP CWIEIHLHGP LOWLDKVLTO gi_51338669_sp_YQLTRMCTIR MSFVKGWGAE YRRQTVTSTP CWIELHLNGP LQWLDKVLTQ CWIELHLNGP gi_60414603_sp_YQLTRMCTIR MSFVKGWGAE YRRQTVTSTP LOWLDKVLTO qi_117949830_spYQLTRMCTIR MSFVKGWGAE YRRQTVTSTP CWIELHLNGP LQWLDKVLTQ gi_13633871_sp_YQLTRMCTIR MSFVKGWGAE YRRQTVTSTP CWIELHLNGP LQWLDKVLTQ qi 13633914 sp YQLTRMCTIR MSFVKGWGAE YRROTVTSTP CWIELHLNGP LOWLDKVLTQ gi_75041393_sp_YQLTRMCTIR MSFVKGWGAE YRROTVTSTP LQWLDKVLTQ qi 110826300 spYQLTRMCTIR MSFVKGWGAE CWIELHLNGP LOWLDKVLTO YRRQTVTSTP gi_21264050_sp_YQLTRMCTIR MSFVKGWGAE YRROTVTSTP CWIELHLNGP LQWLDKVLTQ YPROSIKETP gi_341942043_spDDLRRLCILR MSFVKGWGPD CWIEIHLHRA LOLLDEVLHT qi_13959528_sp_DDLRRLCILR MSFVKGWGPD YPROSIKETP CWIEIHLHRA LOLLDEVLHT YPROSIKETP CWIEIHLHRA LQLLDEVLHT qi_13959561_sp_DDLRRLCILR MSFVKGWGPD gi_13959531_sp_DDLRRLCILR MSFVKGWGPD YPRQSIKETP CWIEIHLHRA LQLLDEVLHT gi_116256078_spDDLRRLCILR MSFVKGWGPD YPRQSIKETP CWIEIHLHRA LQLLDEVLHT gi_13959540_sp_HGPYDPHSVR_ISFAK gi_115502451_spDGPYDPNSVR ISFAKGWGPC YSRQFITSCP CWLEILLNNP R----gi_13959573_sp_DGPYDPNSVR ISFAKGWGPC YSRQFITSCP CWLEILLSNN R----gi_13959541_sp_QQPWTGFTVQ_ISFVKGWGQC YTRQFISSCP CWLEVIFNSR ----YTRQFISSCP CWLEVIFNSR ----gi_13959529_sp_QQPWTGFTVQ_ISFVKGWGQC gi_13959538_sp_QQPWTGFTVQ_ISFVKGWGQC YTRQFISSCP CWLEVIFNSR ------* 4 * * 4 9 7 8 7 * * * 9 * 8 7 9 7 6 6 7 6 4 6 6 5 6 6 4 5 Consistency 5676667789 8 * * 9 * * * * 66

gi_13633932_sp_MGSPHNPISS VS
gi_118573879_sp_MGSPHNPISS VS
gi_13633915_sp_MGSPHNPISS VS
gi_341942042_sp_MGSPHNPISS VS
gi_13633872_sp_MGSPHNPISS VS
gi_13959533_sp_MGSPLNPISS VS
gi_13959566_sp_MGSPLNPISS VS

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gi_13959559_sp_MGSPLNPISS VS
gi_82121811_sp_MGSPLNPISS VS
gi_21264062_sp_MGSPLNPISS VS
gi_21264049_sp_MGSPHNPISS VS
gi_13959539_sp_MGSPHNPISS VS
gi_66774168_sp_MGSPHNPISS VS
gi_13959527_sp_MGSPHNPISS VS
gi_51338669_sp_MGSPSIRCSS VS
gi_60414603_sp_MGSPSIRCSS VS
gi_117949830_spMGSPSVRCSS MS
gi_13633871_sp_MGSPSVRCSS MS
gi_13633914_sp_MGSPSVRCSS MS
gi_75041393_sp_MGSPSVRCSS MS
gi_110826300_spMGSPSVRCSS MS
gi_21264050_sp_MGSPSVRCSS MS
gi_341942043_spM--PIADPQP LD
gi_13959528_sp_M--PIADPQP LD
gi_13959561_sp_M--PIADPQP LD
gi_13959531_sp_M--PIADPQP LD
gi_116256078_spM--PIADPQP LD
gi_13959540_sp_----- --
gi_115502451_sp----- --
gi_13959573_sp_----- --
gi_13959541_sp_---- --
gi_13959529_sp_---- --
gi_13959538_sp_----- --
Consistency
             644<mark>62333</mark>55 55
```