

[illegible][illegible]

SMLGSVHYLSPEQARGSKATVQSDIYAMGIIFYEMLTGHI	PyDGD	SAVTIALQHFQKPLPSVIAEN	PSVPQALENVIIKATAKKL	255
SMLGSVHYLSPEQARGSKATVQSDIYAMGIIFYEMLTGHI	PyDGD	SAVTIALQHFQKPLPSVIAENS	SVPQALENVIIKATAKKL	255
SMLGSVHYLSPEQARGSKATVQSDIYAMGIIFYEMLTGHI	PyDGD	SAVTIALQHFQKPLPSVIAENS	SVPQALENVIIKATAKKL	255
SMLGSVHYLSPEQARGSKATVQSDIYAMGIIFYEMLTGHI	PyDGD	SAVTIALQHFQKPLPSVIAENS	SVPQALENVIIKATAKKL	255
SMLGSVHYLSPEQARGSKATIQSDIYAMGIMLFEMLTGHI	PyDGD	SAVTIALQHFQKPLPSILAE	RNNVPQALENVIRATAKKL	255
SMLGSVHYLSPEQARGSKATIQSDIYAMGIMLFEMLTGHI	PyDGD	SAVTIALQHFQKPLPSITAE	RNNVPQALENVIRATAKKL	255
SMLGSVHYLSPEQARGSKATVQSDIYAMGIMLFEMLTGHI	PyDGD	SAVTIALQHFQKPLPSITAE	RNNVPQALENVIRATAKKL	255
!!!!!!*	!!!!!!***	!!!!!!*	!!!!!!*!!!!!!*!!!!!!*	



EDLNTFSRSRTAIPSPSRRIYEDMEASIPLESPPALVAKALKKKLENEEDRLDARKSKKERTPAKKK

TNNRYSVSEMYVDLSSSLSYNRRNESKLIFDETSKADTKTLPKVSQSTLTSIPKVQAQTEH...KSIKNPSQAVTEETYQPQAPK 337

TNNRYSVSEMYVDLSSSLSYNRRNESKLIFDETSKADTKTLPKVSQSTLTSIPKVQAQTEH...KSIKNPSQAVTEETYQPQAPK 337

TNNRYSVSEMYVDLSSSLSYNRRNESKLIFDETSKADTKTLPKVSQSTLTSIPKVQAQTEH...KSIKNPSQAVTEETYQPQAPK 337

TNNRYSVSEMYVDLSSSLSYNRRNESKLIFDETSKADTKTLPKVSQSTLTSIPKVQAQTEH...KSIKNPSQAVTEETYQPQAPK 337

ENRYSNTLEMSRDLVTSLHPSHRRDAKVVFDDMT...DTKTLPKVDPVPSASLEKKAVAAEPPSEP...TPAPSKQPRKKKTPAKKKK 336

SDRYGSTFEMSRDLMTALSYNRSRERKIVFEDVE...STKPLPKVASGPTASVKLSPTPTVLTQESRLDQTNQTDALQPPTKKKK 338

TDYRHSSTQEMLQDLRTSLQPNRSRERKLVFSAS...DTKPLPKLEQAANSAAQSLNKNKTS.NQDKVDHK.SKPPTKPQPKPKK 336

logo

NTDB id 146 SP RS08570 WP 000614538.1
NTDB id 216 SPD RS08205 WP 000614552.1
NTDB id 182 SPR RS07820 WP 000614552.1
NTDB id 257 KZH43 RS07655 WP 220041236.1
NTDB id 467 HSISS4 RS06915 WP 021143821.1
NTDB id 66095 M3B RS02740 WP 002994648.1
NTDB id 384 SMU RS02325 WP 002263039.1
consensus



421
421
421
421
421
423
421

logo

NTDB id 146 SP RS08570 WP 000614538.1
NTDB id 216 SPD RS08205 WP 000614552.1
NTDB id 182 SPR RS07820 WP 000614552.1
NTDB id 257 KZH43 RS07655 WP 220041236.1
NTDB id 467 HSISS4 RS06915 WP 021143821.1
NTDB id 66095 M3B RS02740 WP 002994648.1
NTDB id 384 SMU RS02325 WP 002263039.1
consensus



504
504
504
504
506
507
504

logo

NTDB id 146 SP RS08570 WP 000614538.1
NTDB id 216 SPD RS08205 WP 000614552.1
NTDB id 182 SPR RS07820 WP 000614552.1
NTDB id 257 KZH43 RS07655 WP 220041236.1
NTDB id 467 HSISS4 RS06915 WP 021143821.1
NTDB id 66095 M3B RS02740 WP 002994648.1
NTDB id 384 SMU RS02325 WP 002263039.1
consensus



579
579
579
579
583
591
581

logo

NTDB id 146 SP RS08570 WP 000614538.1
NTDB id 216 SPD RS08205 WP 000614552.1
NTDB id 182 SPR RS07820 WP 000614552.1
NTDB id 257 KZH43 RS07655 WP 220041236.1
NTDB id 467 HSISS4 RS06915 WP 021143821.1
NTDB id 66095 M3B RS02740 WP 002994648.1
NTDB id 384 SMU RS02325 WP 002263039.1
consensus



659
659
659
659
624
632
616

X non conserved
X similar
X ≥ 50% conserved