

logo

NTDB id 374 SMU RS06885 WP 002262930.1	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIFVDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSA	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIFVDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSA	80
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 54816 PSE7367 RS05745 WP 015164433.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

logo

NTDB id 374 SMU RS06885 WP 002262930.1	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDNFKQKRAHTLDFRPLILLGQQQLQQQSSLEPALEELLQLS	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDNFKQKRAHTLDFRPLILLGQQQLQQQSSLEPALEELLQLS	160
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 54816 PSE7367 RS05745 WP 015164433.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

logo

NTDB id 374 SMU RS06885 WP 002262930.1	HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR	240
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 54816 PSE7367 RS05745 WP 015164433.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

logo

NTDB id 374 SMU RS06885 WP 002262930.1	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQYREFVRDSLELLSRYSSSEQLEARLLQFNQSWDAYVEQ	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQYREFVRDSLELLSRYSSSEQLEARLLQFNQSWDAYVEQ	320
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 54816 PSE7367 RS05745 WP 015164433.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

logo

NTDB id 374 SMU RS06885 WP 002262930.1	HGDRTPDPLMPSHGLVSQLQLDVSSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	HGDRTPDPLMPSHGLVSQLQLDVSSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	400
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 54816 PSE7367 RS05745 WP 015164433.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

logo

NTDB id 374 SMU RS06885 WP 002262930.1	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQQRVGWVKQHQSI	LEELKLYTQYTPDISNDLPQQDSTSFEPIYNIEP	0
NTDB id 413 AAK55817.1 141..845( )	.....	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQQRVGWVKQHQSI	LEELKLYTQYTPDISNDLPQQDSTSFEPIYNIEP	480
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	.....	0
NTDB id 54816 PSE7367 RS05745 WP 015164433.1			0
NTDB id 1417 SGL RS04200 WP 014407071.1			0
consensus			

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NTDB id 374 SMU RS06885 WP 002262930.1	EPEVVATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEA	EELLEGIDTDLNIWVGEQENFAALNNLM	0
NTDB id 413 AAK55817.1 141..845( )	.....	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	EPEVVATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEA	EELLEGIDTDLNIWVGEQENFAALNNLM	560
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	.....	0
NTDB id 54816 PSE7367 RS05745 WP 015164433.1	.....	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	.....	0
consensus			

logo

NTDB id 374 SMU RS06885 WP 002262930.1	RYLHTLKGKANMVAQATYLGGLIAHELES	IYERLIQKQLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRA	0
NTDB id 413 AAK55817.1 141..845( )	.....	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	RYLHTLKGKANMVAQATYLGGLIAHELES	IYERLIQKQLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRA	640
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	.....	0
NTDB id 54816 PSE7367 RS05745 WP 015164433.1	.....	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	.....	0
consensus			

logo

NTDB id 374 SMU RS06885 WP 002262930.1	GQNSNFQPLPVVEAFDAESEVFSEQKVI	SEIIDEIPVELEPALAELETHHDQVFD	AVTELATPVEMITTVTSQENEVA	0
NTDB id 413 AAK55817.1 141..845( )	.....	.....	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GQNSNFQPLPVVEAFDAESEVFSEQKVI	SEIIDEIPVELEPALAELETHHDQVFD	AVTELATPVEMITTVTSQENEVA	720
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	.....	.....	0
NTDB id 54816 PSE7367 RS05745 WP 015164433.1	.....	.....	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	.....	.....	0
consensus				

logo

NTDB id 374 SMU RS06885 WP 002262930.1	ANEQDI	EAVVEQTFLEEATELLEMAESLLKQWF	EQRTNRSILLQLQRAVHSLKGGARMV	GLEAVQAIAYQLEN	AFEQFAL	0
NTDB id 413 AAK55817.1 141..845( )	.....	.....	.....	.....	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	ANEQDI	EAVVEQTFLEEATELLEMAESLLKQWF	EQRTNRSILLQLQRAVHSLKGGARMV	GLEAVQAIAYQLEN	AFEQFAL	800
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	.....	.....	.....	.....	0
NTDB id 54816 PSE7367 RS05745 WP 015164433.1	.....	.....	.....	.....	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	.....	.....	.....	.....	0
consensus						

logo

NTDB id 374 SMU RS06885 WP 002262930.1	HHFNSNIYDHLLESAAIAWLKDAIFNHNYQHFDGLQQSLENIQFFETTIQIPTKLTRADLFSSEPVMTFIQGDGTEPPPM	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	HHFNSNIYDHLLESAAIAWLKDAIFNHNYQHFDGLQQSLENIQFFETTIQIPTKLTRADLFSSEPVMTFIQGDGTEPPPM	880
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 54816 PSE7367 RS05745 WP 015164433.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

logo

NTDB id 374 SMU RS06885 WP 002262930.1	GAWEQTERLDQNNEMI RVSADLIEK MIDLSGENSINRSRIEMDLSQFSHTLVEMELAIQRLADQLRRMEGELETQIIAKH	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GAWEQTERLDQNNEMI RVSADLIEK MIDLSGENSINRSRIEMDLSQFSHTLVEMELAIQRLADQLRRMEGELETQIIAKH	960
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 54816 PSE7367 RS05745 WP 015164433.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

logo

NTDB id 374 SMU RS06885 WP 002262930.1	GIEHSRYTDFDPLEMDQYSSLNQLSKSLAESASDLVDFKNTLSDKIRDTESLLLQQSRIQAEIQEGLMRTRLVPFSRLLP	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GIEHSRYTDFDPLEMDQYSSLNQLSKSLAESASDLVDFKNTLSDKIRDTESLLLQQSRIQAEIQEGLMRTRLVPFSRLLP	1040
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 54816 PSE7367 RS05745 WP 015164433.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 374 SMU RS06885 WP 002262930.1	RLQRIVRQTSTALNRPAELFVNNTGEGELDRNILERLVTPLEHMLRNAIDHGLEDRAQRQQANKPETGRIELNIQRQGTDV	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	RLQRIVRQTSTALNRPAELFVNNTGEGELDRNILERLVTPLEHMLRNAIDHGLEDRAQRQQANKPETGRIELNIQRQGTDV	1120
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 54816 PSE7367 RS05745 WP 015164433.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

logo

NTDB id 374 SMU RS06885 WP 002262930.1	VVVFSDDGQGI DVEKVRQKALLAGLIKPEQDLEQQDILQLIFHPGLSTAEQVTQISGRGVGLDVVQSDIKSLGGHVSVES	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	VVVFSDDGQGI DVEKVRQKALLAGLIKPEQDLEQQDILQLIFHPGLSTAEQVTQISGRGVGLDVVQSDIKSLGGHVSVES	1200
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 54816 PSE7367 RS05745 WP 015164433.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 374 SMU RS06885 WP 002262930.1
NTDB id 413 AAK55817.1 141..845( )
NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 54816 PSE7367 RS05745 WP 015164433.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus
```

VYGGQTTFTIRVPTTVAVSDALMVKVADQQFAIPLAQIDRIIRVSPASLEQYFESPQELFEYENKRYPLRYLSEFVGNQP VYGGQTTFTIRVPTTVAVSDALMVKVADQQFAIPLAQIDRIIRVSPASLEQYFESPQELFEYENKRYPLRYLSEFVGNQP	0 0 1280 0 0 0
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```
NTDB id 374 SMU RS06885 WP 002262930.1
NTDB id 413 AAK55817.1 141..845( )
NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 54816 PSE7367 RS05745 WP 015164433.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus
```

IPRLNGVMYSLPVLMIKANNGQTVALLVDQLIGSRAQIVVKPIGQQFSSIGAIAGATILGDGQVCLILDGQNIARQIQST 0
 0
 IPRLNGVMYSLPVLMIKANNGQTVALLVDQLIGSRAQIVVKPIGQQFSSIGAIAGATILGDGQVCLILDGQNIARQIQST 1360
 0
 0
 0
 0

```
NTDB id 374 SMU RS06885 WP 002262930.1
NTDB id 413 AAK55817.1 141..845( )
NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 54816 PSE7367 RS05745 WP 015164433.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus
```

[illegible]

```
NTDB id 374 SMU RS06885 WP 002262930.1
NTDB id 413 AAK55817.1 141..845( )
NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 54816 PSE7367 RS05745 WP 015164433.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus
```

[illegible]

```
NTDB id 374 SMU RS06885 WP 002262930.1
NTDB id 413 AAK55817.1 141..845( )
NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 54816 PSE7367 RS05745 WP 015164433.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus
```

GDLEIYPDAFVAKKRGTEYELTHREFELLHHLAHTGQVMTREHLLLETVWGYYDFGVDVRTVDVTVRRRLREKIEDTPSRPE	
GDLQILPDAFVAKKRGTEVELTHREFELLHHLATHTGQVMTREHLLLETVWGYYDFGVDVRTVDVTVRRRLREKIEDTPSRPE	219
GDLEIVPDAYVAKKYGEELDLTHREFELLYHLASHTGQVITREHLLLETVWGYYDFGVDVRTVDVTVRRRLREKIEDTPSRPE	218
.....	1506
.....	127
.....	122
.....	121

<0

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NTDB id 374 SMU RS06885 WP 002262930.1	YILTRRGVGYMRSYD	235
NTDB id 413 AAK55817.1 141..845()	YILTRRGVGYMRNNA*	234
NTDB id 1046 HON27 RS03130 WP 168726941.1	.....	1506
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	127
NTDB id 54816 PSE7367 RS05745 WP 015164433.1	.....	122
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	121
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved