

logo

|                                             |                                                                                  |    |
|---------------------------------------------|----------------------------------------------------------------------------------|----|
| NTDB id 1028 TT RS08215 WP 011173991.1      | MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK | 80 |
| NTDB id 1384 A4U84 RS08525 WP 010787006.1   | MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK | 0  |
| NTDB id 259981 CXP43 RS13145 WP 014418378.1 | .....                                                                            | 0  |
| NTDB id 96 BSU 24730 NP 390353.1            | .....                                                                            | 0  |
| consensus                                   |                                                                                  |    |

logo

|                                             |                                                                                  |     |
|---------------------------------------------|----------------------------------------------------------------------------------|-----|
| NTDB id 1028 TT RS08215 WP 011173991.1      | ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDTLSLEEVEDLTGLWVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG | 160 |
| NTDB id 1384 A4U84 RS08525 WP 010787006.1   | ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDTLSLEEVEDLTGLWVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG | 0   |
| NTDB id 259981 CXP43 RS13145 WP 014418378.1 | .....                                                                            | 0   |
| NTDB id 96 BSU 24730 NP 390353.1            | .....                                                                            | 0   |
| consensus                                   |                                                                                  |     |

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|---------------------------------------------|----------------------------------------------------------------------------------|-----|
| NTDB id 1028 TT RS08215 WP 011173991.1      | EGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL | 240 |
| NTDB id 1384 A4U84 RS08525 WP 010787006.1   | EGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL | 0   |
| NTDB id 259981 CXP43 RS13145 WP 014418378.1 | .....                                                                            | 0   |
| NTDB id 96 BSU 24730 NP 390353.1            | .....                                                                            | 0   |
| consensus                                   |                                                                                  |     |

logo

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|---------------------------------------------|------------------------------------------------------------------------------------|-----|
| NTDB id 1028 TT RS08215 WP 011173991.1      | LRSDALRYGAVPIGFQNGEVEVWLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL | 320 |
| NTDB id 1384 A4U84 RS08525 WP 010787006.1   | LRSDALRYGAVPIGFQNGEVEVWLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL | 0   |
| NTDB id 259981 CXP43 RS13145 WP 014418378.1 | .....                                                                              | 0   |
| NTDB id 96 BSU 24730 NP 390353.1            | .....                                                                              | 0   |
| consensus                                   |                                                                                    |     |

logo

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|---------------------------------------------|-----------------------------------------------------------------------------------|-----|
| NTDB id 1028 TT RS08215 WP 011173991.1      | KEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLVQSGKLRPEALAQAVATMLGIPYCDPEEDPI  | 399 |
| NTDB id 1384 A4U84 RS08525 WP 010787006.1   | KEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLVQSGKLRPEALAQAVATQLGYPPYVDPEEDP. | 14  |
| NTDB id 259981 CXP43 RS13145 WP 014418378.1 | .....MSQYTICEQQTERTI                                                              | 0   |
| NTDB id 96 BSU 24730 NP 390353.1            | .....                                                                             | 0   |
| consensus                                   |                                                                                   |     |

logo

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|---------------------------------------------|-------------------------------------------------------------------------------------|-----|
| NTDB id 1028 TT RS08215 WP 011173991.1      | FDISPSRWQPNLLPKQLRRYLVYPVBLTGRLWLVKDPRLNTALEIVRIMTRVQYEPVWITSDELTLLNALS             | 471 |
| NTDB id 1384 A4U84 RS08525 WP 010787006.1   | ....PDPGAPLLLLPEDLCRRYGVPFHRLEGNRIVLLMKDPRNIALALDDVRLALKRKGLNVEVAPAVATEAAITKLLI.... | 89  |
| NTDB id 259981 CXP43 RS13145 WP 014418378.1 | FDISPSRWQKNCEEKQLLLRYLAVPVQETEHKLWLAVDDENNLTACEIFAFM.TH....KQIEPVVIASDELKYLNNALS    | 0   |
| NTDB id 96 BSU 24730 NP 390353.1            | .....                                                                               | 0   |
| consensus                                   |                                                                                     |     |

logo

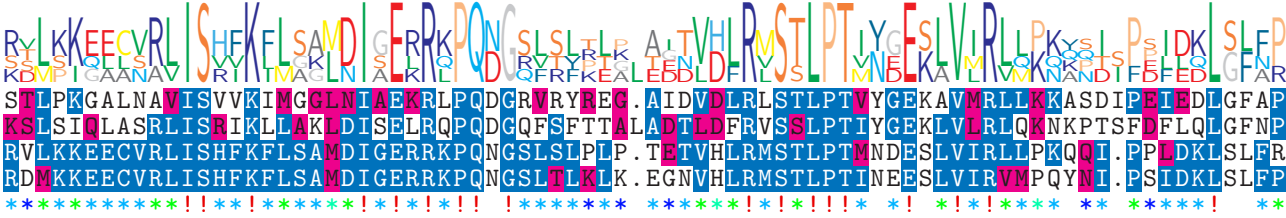
NTDB id 1028 TT RS08215 WP 011173991.1  
NTDB id 1384 A4U84 RS08525 WP 010787006.1  
NTDB id 259981 CXP43 RS13145 WP 014418378.1  
NTDB id 96 BSU 24730 NP 390353.1  
consensus



548  
158  
45  
45

logo

NTDB id 1028 TT RS08215 WP 011173991.1  
NTDB id 1384 A4U84 RS08525 WP 010787006.1  
NTDB id 259981 CXP43 RS13145 WP 014418378.1  
NTDB id 96 BSU 24730 NP 390353.1  
consensus



627  
238  
123  
123

logo

NTDB id 1028 TT RS08215 WP 011173991.1  
NTDB id 1384 A4U84 RS08525 WP 010787006.1  
NTDB id 259981 CXP43 RS13145 WP 014418378.1  
NTDB id 96 BSU 24730 NP 390353.1  
consensus



706  
317  
203  
203

logo

NTDB id 1028 TT RS08215 WP 011173991.1  
NTDB id 1384 A4U84 RS08525 WP 010787006.1  
NTDB id 259981 CXP43 RS13145 WP 014418378.1  
NTDB id 96 BSU 24730 NP 390353.1  
consensus



786  
397  
283  
283

logo

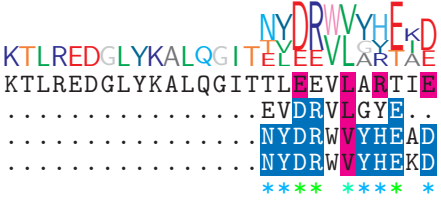
NTDB id 1028 TT RS08215 WP 011173991.1  
NTDB id 1384 A4U84 RS08525 WP 010787006.1  
NTDB id 259981 CXP43 RS13145 WP 014418378.1  
NTDB id 96 BSU 24730 NP 390353.1  
consensus



862  
452  
345  
345

logo

NTDB id 1028 TT RS08215 WP 011173991.1  
NTDB id 1384 A4U84 RS08525 WP 010787006.1  
NTDB id 259981 CXP43 RS13145 WP 014418378.1  
NTDB id 96 BSU 24730 NP 390353.1  
consensus



889  
461  
356  
356

 non conserved  
 similar  
  $\geq 50\%$  conserved