

logo

NTDB id 1323 RA0C RS07335 WP 004916218.1  
NTDB id 1271 LPP RS03220 WP 011213198.1  
NTDB id 1248 GC085 RS03150 WP 011213198.1  
NTDB id 1102220 Q9281 RS00915 WP 011257184.1  
NTDB id 1153 A1552VC RS00115 WP 000521788.1  
NTDB id 1397 DSB67 RS15690 WP 005535577.1  
NTDB id 1349 HI 1117 AAC22771.1  
NTDB id 1387 A4U84 RS06900 WP 020457569.1  
consensus



78  
80  
80  
80  
80  
80  
80  
80

logo

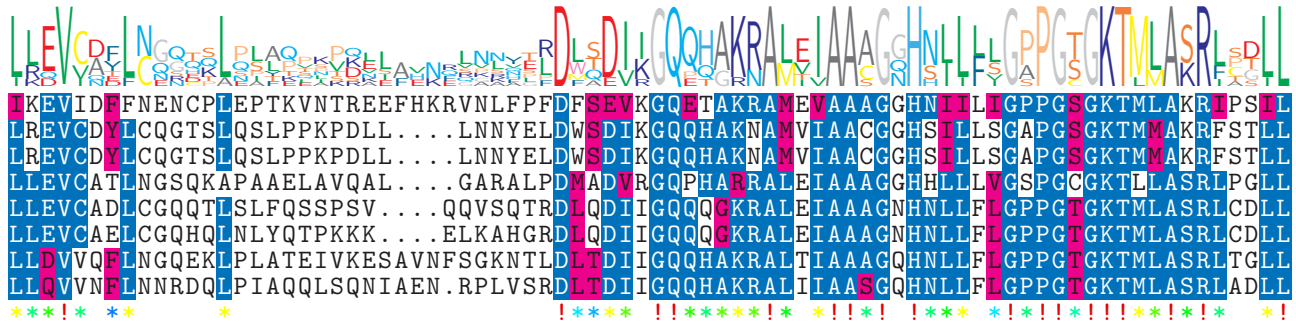
NTDB id 1323 RA0C RS07335 WP 004916218.1  
NTDB id 1271 LPP RS03220 WP 011213198.1  
NTDB id 1248 GC085 RS03150 WP 011213198.1  
NTDB id 1102220 Q9281 RS00915 WP 011257184.1  
NTDB id 1153 A1552VC RS00115 WP 000521788.1  
NTDB id 1397 DSB67 RS15690 WP 005535577.1  
NTDB id 1349 HI 1117 AAC22771.1  
NTDB id 1387 A4U84 RS06900 WP 020457569.1  
consensus



158  
159  
159  
159  
159  
159  
159  
159

logo

NTDB id 1323 RA0C RS07335 WP 004916218.1  
NTDB id 1271 LPP RS03220 WP 011213198.1  
NTDB id 1248 GC085 RS03150 WP 011213198.1  
NTDB id 1102220 Q9281 RS00915 WP 011257184.1  
NTDB id 1153 A1552VC RS00115 WP 000521788.1  
NTDB id 1397 DSB67 RS15690 WP 005535577.1  
NTDB id 1349 HI 1117 AAC22771.1  
NTDB id 1387 A4U84 RS06900 WP 020457569.1  
consensus



238  
235  
235  
235  
235  
235  
239  
238

logo

NTDB id 1323 RA0C RS07335 WP 004916218.1  
NTDB id 1271 LPP RS03220 WP 011213198.1  
NTDB id 1248 GC085 RS03150 WP 011213198.1  
NTDB id 1102220 Q9281 RS00915 WP 011257184.1  
NTDB id 1153 A1552VC RS00115 WP 000521788.1  
NTDB id 1397 DSB67 RS15690 WP 005535577.1  
NTDB id 1349 HI 1117 AAC22771.1  
NTDB id 1387 A4U84 RS06900 WP 020457569.1  
consensus



318  
314  
314  
314  
314  
314  
318  
317

logo

|                                              |                                                                 |     |
|----------------------------------------------|-----------------------------------------------------------------|-----|
| NTDB id 1323 RA0C RS07335 WP 004916218.1     | LREPLESGEIIISRAAAQIEFFPAKFQLTAAMNPPCPCGQMGNSQANCMCTPDRI         | 397 |
| NTDB id 1271 LPP RS03220 WP 011213198.1      | LREPLESGHICISRAAAQIEFFPAKFQLTAAMNPPCPCGQMGNSQANCMCTPDRI         | 394 |
| NTDB id 1248 GC085 RS03150 WP 011213198.1    | LREPLESGHICISRAAAQIEFFPAKFQLTAAMNPPCPCGQMGNSQANCMCTPDRI         | 394 |
| NTDB id 1102220 Q9281 RS00915 WP 011257184.1 | LREPLESCLVTISRAARSVDFFPAKFQLVAAMNPPCPCGWAGDGSGRCS               | 394 |
| NTDB id 1153 A1552VC RS00115 WP 000521788.1  | LREPLESGEIVISRAQCKTRFPARFQLVCAINPSPTCGYEGSQ..ARANPQSIL          | 392 |
| NTDB id 1397 DSB67 RS15690 WP 005535577.1    | LREPLESGEIIISRAQCKTRFPARFQLVCAINPSPTCGYEGNQ..ARTNPQA            | 392 |
| NTDB id 1349 HI 1117 AAC22771.1              | LRQPLESGEIIISRANAKIQFPARFQLVAAMNPPSPCHYTGTH..NRTSPQQ            | 396 |
| NTDB id 1387 A4U84 RS06900 WP 020457569.1    | LRQPLESGEIIISRANAKVQFPACFQLTAAMNPPSPCHYQGH..NRTSPQQ             | 395 |
| consensus                                    | *!*!!!!*** *!* * * *!*!*!*****!*!*! * * * * * * * * * * * * * * |     |

logo

|                                              |                                                                   |     |
|----------------------------------------------|-------------------------------------------------------------------|-----|
| NTDB id 1323 RA0C RS07335 WP 004916218.1     | QLSD..KRKGESSEITRQRVLKAREIQQERYQDLAISYNAQMGPKIEHFCE               | 475 |
| NTDB id 1271 LPP RS03220 WP 011213198.1      | ELIKPNTHLEKQSLAIREKVTMKMEIQMARQD...SINANLNSKTCEMVCE               | 470 |
| NTDB id 1248 GC085 RS03150 WP 011213198.1    | ELIKPNTHLEKQSLAIREKVTMKMEIQMARQD...SINANLNSKTCEMVCE               | 470 |
| NTDB id 1102220 Q9281 RS00915 WP 011257184.1 | ALRS..GNLGEDSASVRCRVVAARQRQLARGA....LPNAQLDQPDTRHC                | 468 |
| NTDB id 1153 A1552VC RS00115 WP 000521788.1  | TLANG.GDRGESTAAVRQQRVWVARERMLARSG....KVNALLQSR                    | 467 |
| NTDB id 1397 DSB67 RS15690 WP 005535577.1    | TLSEG.GDRGEPTAIVKERVNQARDCMLARSG....KVNALLQSR                     | 467 |
| NTDB id 1349 HI 1117 AAC22771.1              | SLQNT.GDRGETSAQVREKVLKVREIQMERAG....KINAYLNSKEIERD                | 471 |
| NTDB id 1387 A4U84 RS06900 WP 020457569.1    | ALQNNTDQGETTEQARKRVLEARHQLQFNRRG....KINALLTKEIEQD                 | 471 |
| consensus                                    | ! *** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * |     |

logo

|                                              |                                          |     |
|----------------------------------------------|------------------------------------------|-----|
| NTDB id 1323 RA0C RS07335 WP 004916218.1     | VSRTIADLERETNIQSHHTAEATQYRSIDRDFWKV..... | 510 |
| NTDB id 1271 LPP RS03220 WP 011213198.1      | VSRTIADMNSSKKVLLNHLQQALSYPQNLHLPK.....   | 503 |
| NTDB id 1248 GC085 RS03150 WP 011213198.1    | VSRTIADMNSSKKVLLNHLQQALSYPQNLHLPK.....   | 503 |
| NTDB id 1102220 Q9281 RS00915 WP 011257184.1 | VARTIADLHDSADIATRHLTEATGYRKIDRALSAASAA.. | 506 |
| NTDB id 1153 A1552VC RS00115 WP 000521788.1  | VARTIADLQGEACIARPHLAEALGYRAMDRLLKQISAQNV | 507 |
| NTDB id 1397 DSB67 RS15690 WP 005535577.1    | VARTIADLEGSPQIERTHLAEALGYRAMDRLLKQITAQAV | 507 |
| NTDB id 1349 HI 1117 AAC22771.1              | VSRTIADLQGEQCIQPHLAEALGYRAMVRLQLKLSNM..  | 509 |
| NTDB id 1387 A4U84 RS06900 WP 020457569.1    | VSRTIADLAGEACIQQPHLAEALGYRAMDRLLQRIQGES. | 510 |
| consensus                                    | !*!!!!!!* ** *!*!*!*!* * * * * *         |     |

- ☒ non conserved
- ☒ similar
- ☒ ≥ 50% conserved