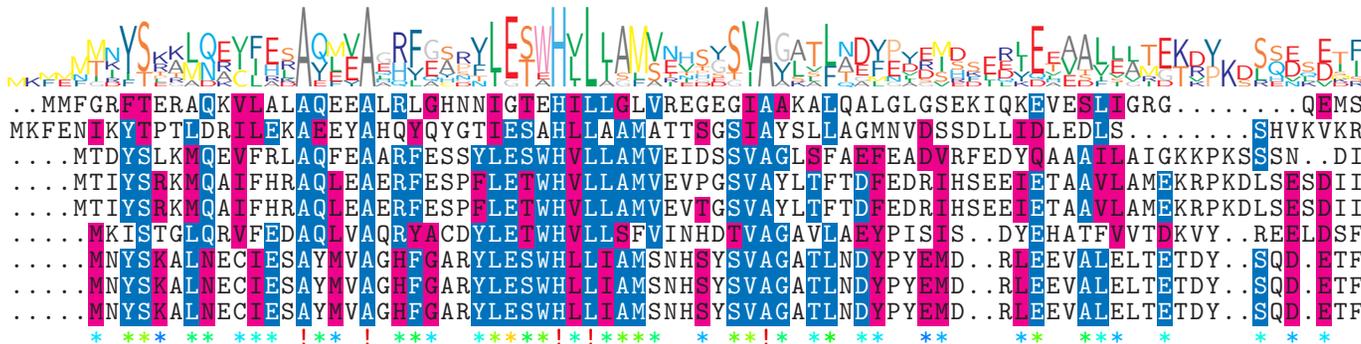


logo

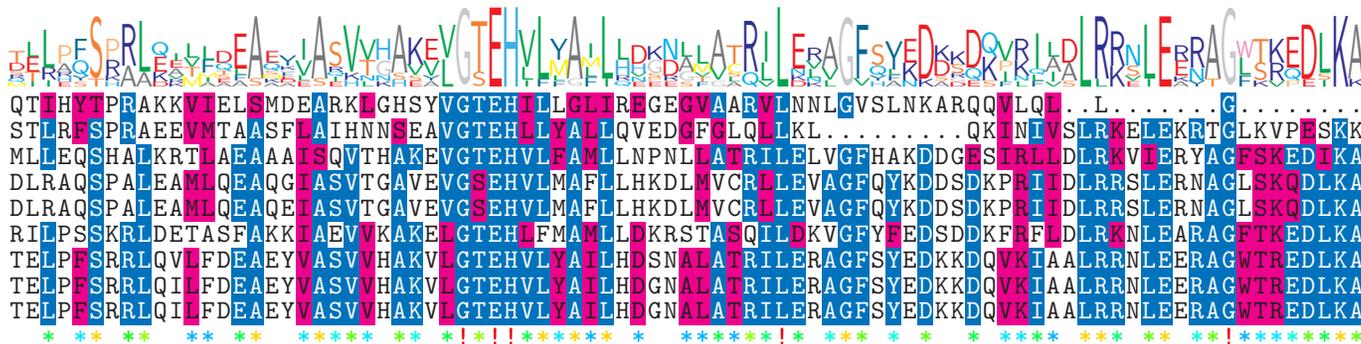
NTDB id 85 BSU 00860 NP 387967.1
 NTDB id 610 V4T04 RS10165 WP 012897346.1
 NTDB id 377 SMU RS09275 WP 002262344.1
 NTDB id 329 STU RS10020 WP 011225298.1
 NTDB id 297 STER RS00545 WP 011680614.1
 NTDB id 63323 T15 RS10210 WP 023371651.1
 NTDB id 287 SP RS11210 WP 001109712.1
 NTDB id 290 KZH43 RS10025 WP 001109677.1
 NTDB id 289 SPD RS10700 WP 001109677.1



75
77
79
81
81
76
75
75
75

logo

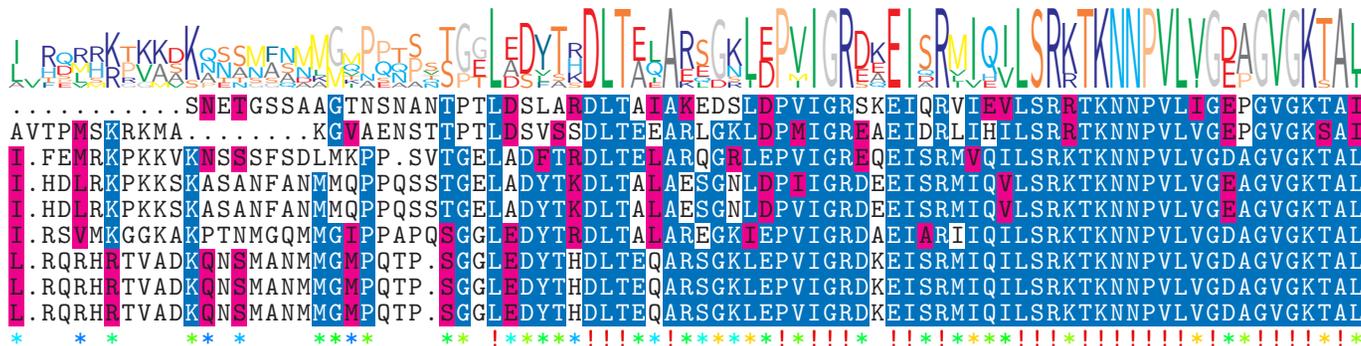
NTDB id 85 BSU 00860 NP 387967.1
 NTDB id 610 V4T04 RS10165 WP 012897346.1
 NTDB id 377 SMU RS09275 WP 002262344.1
 NTDB id 329 STU RS10020 WP 011225298.1
 NTDB id 297 STER RS00545 WP 011680614.1
 NTDB id 63323 T15 RS10210 WP 023371651.1
 NTDB id 287 SP RS11210 WP 001109712.1
 NTDB id 290 KZH43 RS10025 WP 001109677.1
 NTDB id 289 SPD RS10700 WP 001109677.1



143
153
164
166
166
161
160
160
160

logo

NTDB id 85 BSU 00860 NP 387967.1
 NTDB id 610 V4T04 RS10165 WP 012897346.1
 NTDB id 377 SMU RS09275 WP 002262344.1
 NTDB id 329 STU RS10020 WP 011225298.1
 NTDB id 297 STER RS00545 WP 011680614.1
 NTDB id 63323 T15 RS10210 WP 023371651.1
 NTDB id 287 SP RS11210 WP 001109712.1
 NTDB id 290 KZH43 RS10025 WP 001109677.1
 NTDB id 289 SPD RS10700 WP 001109677.1



217
230
247
250
250
245
243
243
243

logo

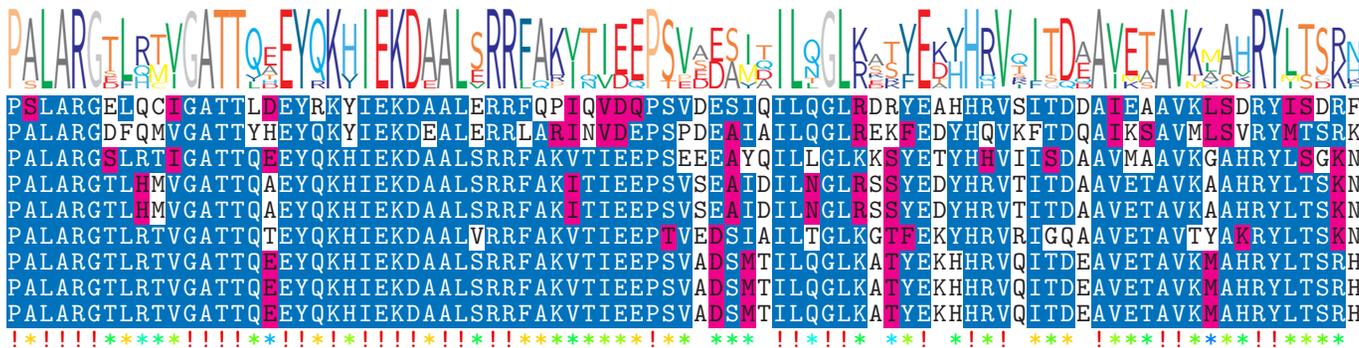
NTDB id 85 BSU 00860 NP 387967.1
 NTDB id 610 V4T04 RS10165 WP 012897346.1
 NTDB id 377 SMU RS09275 WP 002262344.1
 NTDB id 329 STU RS10020 WP 011225298.1
 NTDB id 297 STER RS00545 WP 011680614.1
 NTDB id 63323 T15 RS10210 WP 023371651.1
 NTDB id 287 SP RS11210 WP 001109712.1
 NTDB id 290 KZH43 RS10025 WP 001109677.1
 NTDB id 289 SPD RS10700 WP 001109677.1



301
315
332
335
335
330
328
328
328

logo

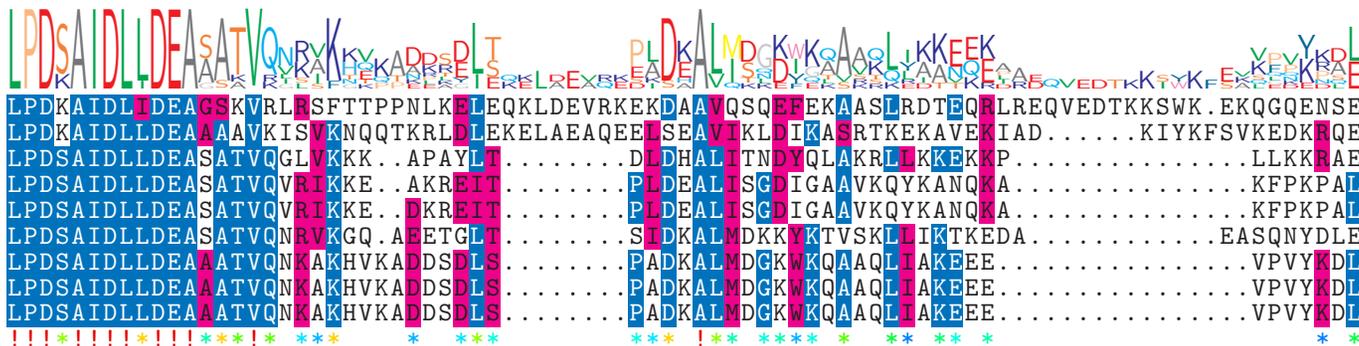
NTDB id 85 BSU 00860 NP 387967.1
 NTDB id 610 V4T04 RS10165 WP 012897346.1
 NTDB id 377 SMU RS09275 WP 002262344.1
 NTDB id 329 STU RS10020 WP 011225298.1
 NTDB id 297 STER RS00545 WP 011680614.1
 NTDB id 63323 T15 RS10210 WP 023371651.1
 NTDB id 287 SP RS11210 WP 001109712.1
 NTDB id 290 KZH43 RS10025 WP 001109677.1
 NTDB id 289 SPD RS10700 WP 001109677.1



386
400
417
420
420
415
413
413
413

logo

NTDB id 85 BSU 00860 NP 387967.1
 NTDB id 610 V4T04 RS10165 WP 012897346.1
 NTDB id 377 SMU RS09275 WP 002262344.1
 NTDB id 329 STU RS10020 WP 011225298.1
 NTDB id 297 STER RS00545 WP 011680614.1
 NTDB id 63323 T15 RS10210 WP 023371651.1
 NTDB id 287 SP RS11210 WP 001109712.1
 NTDB id 290 KZH43 RS10025 WP 001109677.1
 NTDB id 289 SPD RS10700 WP 001109677.1



470
479
477
480
480
479
474
474
474

logo

NTDB id 85 BSU 00860 NP 387967.1
 NTDB id 610 V4T04 RS10165 WP 012897346.1
 NTDB id 377 SMU RS09275 WP 002262344.1
 NTDB id 329 STU RS10020 WP 011225298.1
 NTDB id 297 STER RS00545 WP 011680614.1
 NTDB id 63323 T15 RS10210 WP 023371651.1
 NTDB id 287 SP RS11210 WP 001109712.1
 NTDB id 290 KZH43 RS10025 WP 001109677.1
 NTDB id 289 SPD RS10700 WP 001109677.1



555
564
562
565
565
564
559
559
559

logo

NTDB id 85 BSU 00860 NP 387967.1
 NTDB id 610 V4T04 RS10165 WP 012897346.1
 NTDB id 377 SMU RS09275 WP 002262344.1
 NTDB id 329 STU RS10020 WP 011225298.1
 NTDB id 297 STER RS00545 WP 011680614.1
 NTDB id 63323 T15 RS10210 WP 023371651.1
 NTDB id 287 SP RS11210 WP 001109712.1
 NTDB id 290 KZH43 RS10025 WP 001109677.1
 NTDB id 289 SPD RS10700 WP 001109677.1



640
649
647
650
650
649
644
644
644

logo

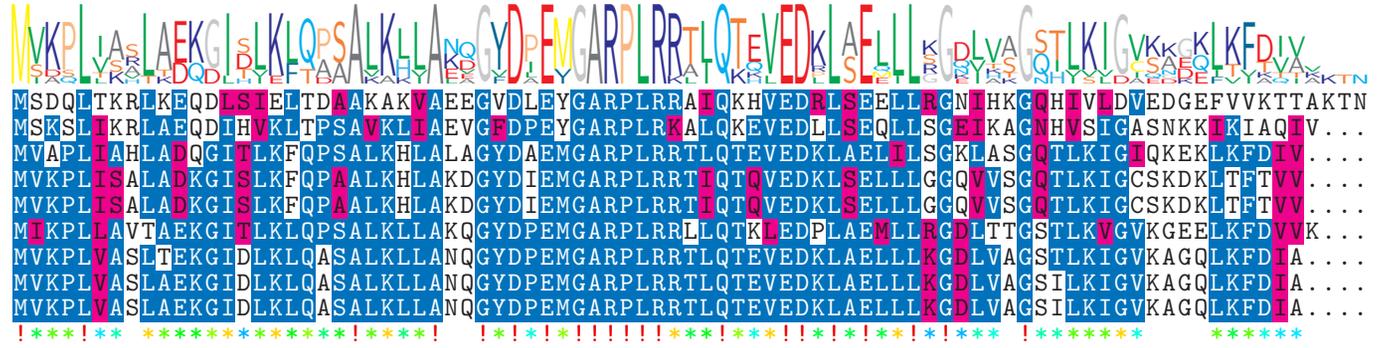
NTDB id 85 BSU 00860 NP 387967.1
 NTDB id 610 V4T04 RS10165 WP 012897346.1
 NTDB id 377 SMU RS09275 WP 002262344.1
 NTDB id 329 STU RS10020 WP 011225298.1
 NTDB id 297 STER RS00545 WP 011680614.1
 NTDB id 63323 T15 RS10210 WP 023371651.1
 NTDB id 287 SP RS11210 WP 001109712.1
 NTDB id 290 KZH43 RS10025 WP 001109677.1
 NTDB id 289 SPD RS10700 WP 001109677.1
 consensus



725
734
732
735
735
734
729
729
729

logo

NTDB id 85 BSU 00860 NP 387967.1
 NTDB id 610 V4T04 RS10165 WP 012897346.1
 NTDB id 377 SMU RS09275 WP 002262344.1
 NTDB id 329 STU RS10020 WP 011225298.1
 NTDB id 297 STER RS00545 WP 011680614.1
 NTDB id 63323 T15 RS10210 WP 023371651.1
 NTDB id 287 SP RS11210 WP 001109712.1
 NTDB id 290 KZH43 RS10025 WP 001109677.1
 NTDB id 289 SPD RS10700 WP 001109677.1
 consensus



810
816
813
816
816
816
810
810
810
810

⊠ non conserved
 ⊠ similar
 ⊠ ≥ 50% conserved