

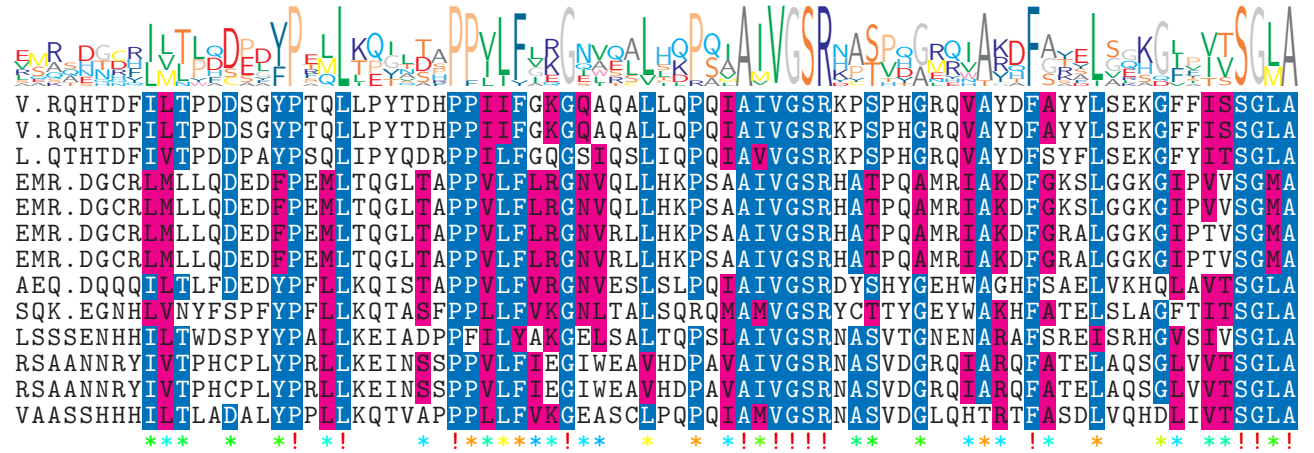
logo

NTDB id 1073 ABD1 RS00865 WP 015451369.1  
 NTDB id 1043 HON27 RS16615 WP 168727007.1  
 NTDB id 1021 ACIAD RS00975 WP 004930462.1  
 NTDB id 1094 KZH42 RS01320 WP 002224767.1  
 NTDB id 1089 NMB RS00600 WP 002224767.1  
 NTDB id 1122 OK783 RS09595 WP 003705341.1  
 NTDB id 1120 NGFG RS10355 WP 020997408.1  
 NTDB id 1388 A4U84 RS04945 WP 062924099.1  
 NTDB id 1361 HI 0985 AAC22646.1  
 NTDB id 1250 GC085 RS13065 WP 027219989.1  
 NTDB id 162036 ASZ86 RS00375 WP 000654772.1  
 NTDB id 1152 A1552VC RS00200 WP 000654772.1  
 NTDB id 1399 DSB67 RS15600 WP 010645755.1  
 consensus



logo

NTDB id 1073 ABD1 RS00865 WP 015451369.1  
 NTDB id 1043 HON27 RS16615 WP 168727007.1  
 NTDB id 1021 ACIAD RS00975 WP 004930462.1  
 NTDB id 1094 KZH42 RS01320 WP 002224767.1  
 NTDB id 1089 NMB RS00600 WP 002224767.1  
 NTDB id 1122 OK783 RS09595 WP 003705341.1  
 NTDB id 1120 NGFG RS10355 WP 020997408.1  
 NTDB id 1388 A4U84 RS04945 WP 062924099.1  
 NTDB id 1361 HI 0985 AAC22646.1  
 NTDB id 1250 GC085 RS13065 WP 027219989.1  
 NTDB id 162036 ASZ86 RS00375 WP 000654772.1  
 NTDB id 1152 A1552VC RS00200 WP 000654772.1  
 NTDB id 1399 DSB67 RS15600 WP 010645755.1  
 consensus



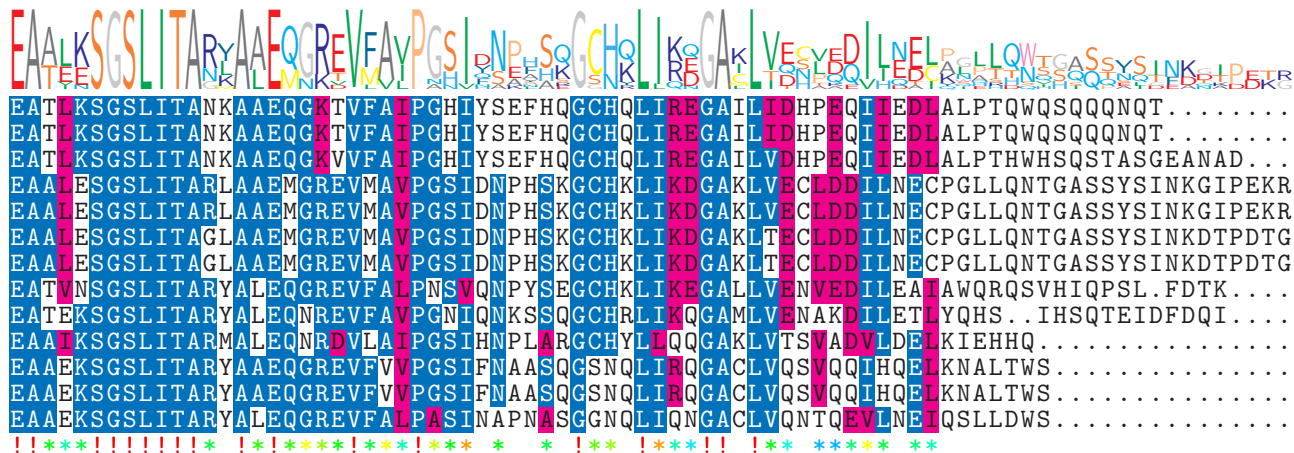
logo

NTDB id 1073 ABD1 RS00865 WP 015451369.1  
 NTDB id 1043 HON27 RS16615 WP 168727007.1  
 NTDB id 1021 ACIAD RS00975 WP 004930462.1  
 NTDB id 1094 KZH42 RS01320 WP 002224767.1  
 NTDB id 1089 NMB RS00600 WP 002224767.1  
 NTDB id 1122 OK783 RS09595 WP 003705341.1  
 NTDB id 1120 NGFG RS10355 WP 020997408.1  
 NTDB id 1388 A4U84 RS04945 WP 062924099.1  
 NTDB id 1361 HI 0985 AAC22646.1  
 NTDB id 1250 GC085 RS13065 WP 027219989.1  
 NTDB id 162036 ASZ86 RS00375 WP 000654772.1  
 NTDB id 1152 A1552VC RS00200 WP 000654772.1  
 NTDB id 1399 DSB67 RS15600 WP 010645755.1  
 consensus



logo

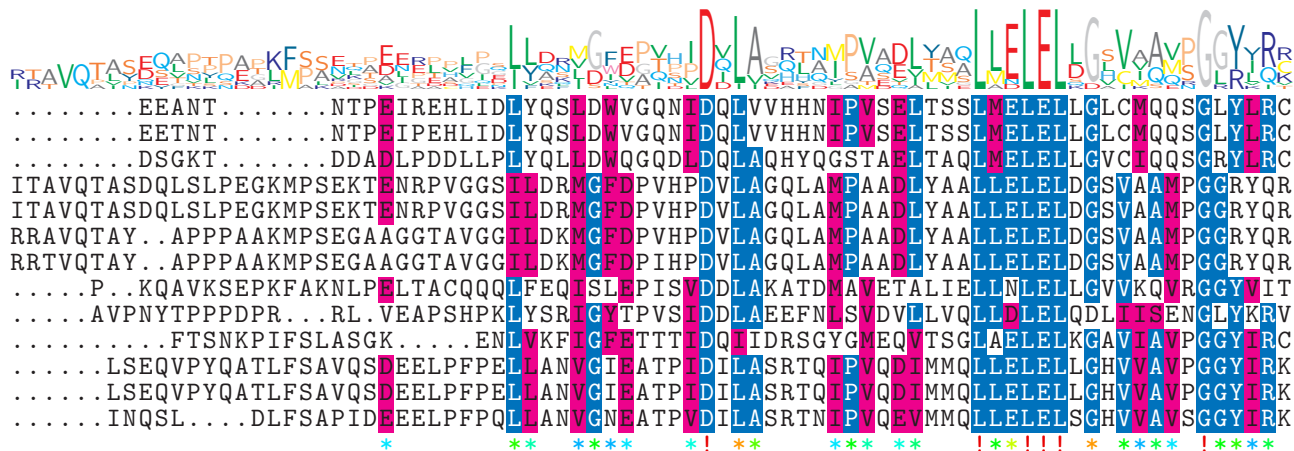
NTDB id 1073 ABD1 RS00865 WP 015451369.1  
 NTDB id 1043 HON27 RS16615 WP 168727007.1  
 NTDB id 1021 ACIAD RS00975 WP 004930462.1  
 NTDB id 1094 KZH42 RS01320 WP 002224767.1  
 NTDB id 1089 NMB RS00600 WP 002224767.1  
 NTDB id 1122 OK783 RS09595 WP 003705341.1  
 NTDB id 1120 NGFG RS10355 WP 020997408.1  
 NTDB id 1388 A4U84 RS04945 WP 062924099.1  
 NTDB id 1361 HI 0985 AAC22646.1  
 NTDB id 1250 GC085 RS13065 WP 027219989.1  
 NTDB id 162036 ASZ86 RS00375 WP 000654772.1  
 NTDB id 1152 A1552VC RS00200 WP 000654772.1  
 NTDB id 1399 DSB67 RS15600 WP 010645755.1



309  
309  
314  
314  
314  
314  
314  
302  
302  
292  
294  
294  
296

logo

NTDB id 1073 ABD1 RS00865 WP 015451369.1  
 NTDB id 1043 HON27 RS16615 WP 168727007.1  
 NTDB id 1021 ACIAD RS00975 WP 004930462.1  
 NTDB id 1094 KZH42 RS01320 WP 002224767.1  
 NTDB id 1089 NMB RS00600 WP 002224767.1  
 NTDB id 1122 OK783 RS09595 WP 003705341.1  
 NTDB id 1120 NGFG RS10355 WP 020997408.1  
 NTDB id 1388 A4U84 RS04945 WP 062924099.1  
 NTDB id 1361 HI 0985 AAC22646.1  
 NTDB id 1250 GC085 RS13065 WP 027219989.1  
 NTDB id 162036 ASZ86 RS00375 WP 000654772.1  
 NTDB id 1152 A1552VC RS00200 WP 000654772.1  
 NTDB id 1399 DSB67 RS15600 WP 010645755.1



374  
374  
379  
394  
394  
392  
392  
375  
373  
357  
368  
368  
366

logo

NTDB id 1073 ABD1 RS00865 WP 015451369.1  
 NTDB id 1043 HON27 RS16615 WP 168727007.1  
 NTDB id 1021 ACIAD RS00975 WP 004930462.1  
 NTDB id 1094 KZH42 RS01320 WP 002224767.1  
 NTDB id 1089 NMB RS00600 WP 002224767.1  
 NTDB id 1122 OK783 RS09595 WP 003705341.1  
 NTDB id 1120 NGFG RS10355 WP 020997408.1  
 NTDB id 1388 A4U84 RS04945 WP 062924099.1  
 NTDB id 1361 HI 0985 AAC22646.1  
 NTDB id 1250 GC085 RS13065 WP 027219989.1  
 NTDB id 162036 ASZ86 RS00375 WP 000654772.1  
 NTDB id 1152 A1552VC RS00200 WP 000654772.1  
 NTDB id 1399 DSB67 RS15600 WP 010645755.1



RS.. 376  
 RS.. 376  
 RSPY 383  
 IRT. 397  
 IRT. 397  
 IRT. 395  
 IRT. 395  
 .... 375  
 .... 373  
 EYER 361  
 GRG. 371  
 GRG. 371  
 GRG. 369

consensus

 non conserved  
 similar  
  $\geq 50\%$  conserved