

logo

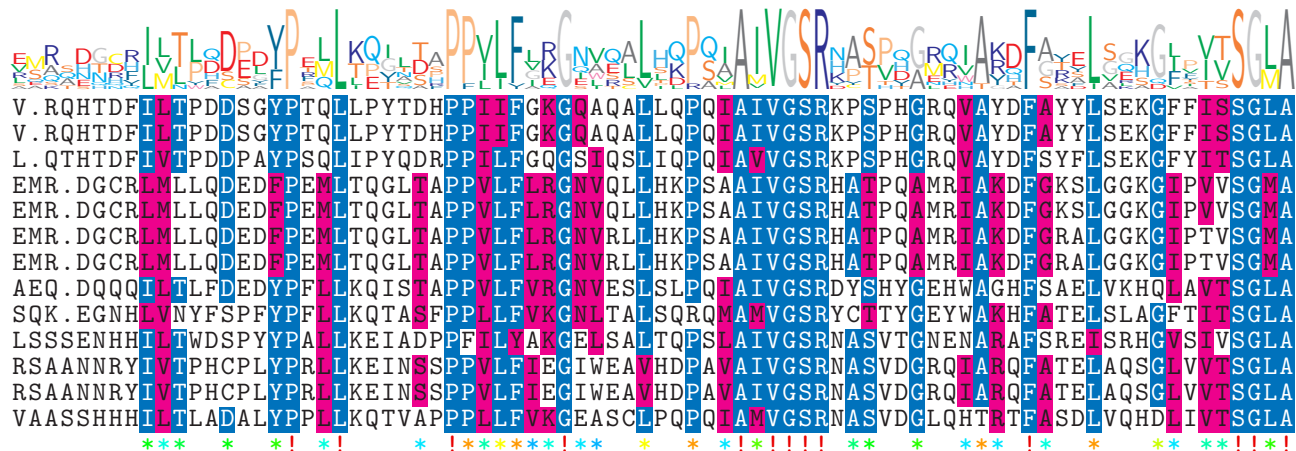
NTDB id 1073 ABD1 RS00865 WP 015451369.1
 NTDB id 1043 HON27 RS16615 WP 168727007.1
 NTDB id 1021 ACIAD RS00975 WP 004930462.1
 NTDB id 1094 KZH42 RS01320 WP 002224767.1
 NTDB id 1089 NMB RS00600 WP 002224767.1
 NTDB id 1122 OK783 RS09595 WP 003705341.1
 NTDB id 1120 NGFG RS10355 WP 020997408.1
 NTDB id 1388 A4U84 RS04945 WP 062924099.1
 NTDB id 1361 HI 0985 AAC22646.1
 NTDB id 1250 GC085 RS13065 WP 027219989.1
 NTDB id 161989 ASZ85 RS00305 WP 000654772.1
 NTDB id 1152 A1552VC RS00200 WP 000654772.1
 NTDB id 1399 DSB67 RS15600 WP 010645755.1



79
79
79
76
76
76
76
68
69
69
70
70
72

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 161989 ASZ85 RS00305 WP 000654772.1
 NTDB id 1152 A1552VC RS00200 WP 000654772.1
 NTDB id 1399 DSB67 RS15600 WP 010645755.1



158
158
158
155
155
155
155
147
148
149
150
150
152

logo

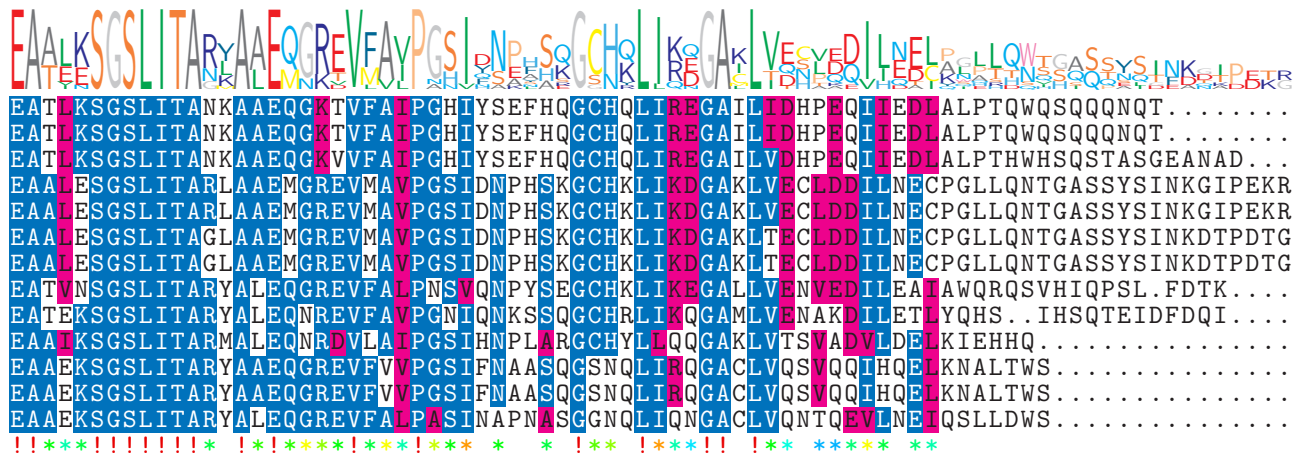
NTDB id 1073 ABD1 RS00865 WP 015451369.1
 NTDB id 1043 HON27 RS16615 WP 168727007.1
 NTDB id 1021 ACIAD RS00975 WP 004930462.1
 NTDB id 1094 KZH42 RS01320 WP 002224767.1
 NTDB id 1089 NMB RS00600 WP 002224767.1
 NTDB id 1122 OK783 RS09595 WP 003705341.1
 NTDB id 1120 NGFG RS10355 WP 020997408.1
 NTDB id 1388 A4U84 RS04945 WP 062924099.1
 NTDB id 1361 HI 0985 AAC22646.1
 NTDB id 1250 GC085 RS13065 WP 027219989.1
 NTDB id 161989 ASZ85 RS00305 WP 000654772.1
 NTDB id 1152 A1552VC RS00200 WP 000654772.1
 NTDB id 1399 DSB67 RS15600 WP 010645755.1



237
237
237
234
234
234
234
227
228
228
229
229
231

logo

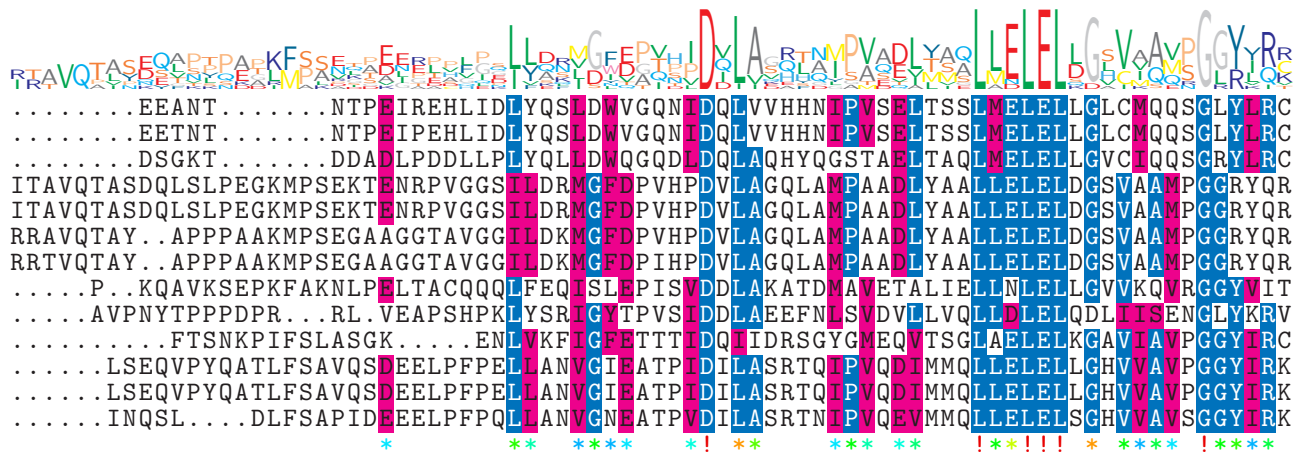
NTDB id 1073 ABD1 RS00865 WP 015451369.1
 NTDB id 1043 HON27 RS16615 WP 168727007.1
 NTDB id 1021 ACIAD RS00975 WP 004930462.1
 NTDB id 1094 KZH42 RS01320 WP 002224767.1
 NTDB id 1089 NMB RS00600 WP 002224767.1
 NTDB id 1122 OK783 RS09595 WP 003705341.1
 NTDB id 1120 NGFG RS10355 WP 020997408.1
 NTDB id 1388 A4U84 RS04945 WP 062924099.1
 NTDB id 1361 HI 0985 AAC22646.1
 NTDB id 1250 GC085 RS13065 WP 027219989.1
 NTDB id 161989 ASZ85 RS00305 WP 000654772.1
 NTDB id 1152 A1552VC RS00200 WP 000654772.1
 NTDB id 1399 DSB67 RS15600 WP 010645755.1
 consensus



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 161989 ASZ85 RS00305 WP 000654772.1
 NTDB id 1152 A1552VC RS00200 WP 000654772.1
 NTDB id 1399 DSB67 RS15600 WP 010645755.1
 consensus



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 161989 ASZ85 RS00305 WP 000654772.1
 NTDB id 1152 A1552VC RS00200 WP 000654772.1
 NTDB id 1399 DSB67 RS15600 WP 010645755.1
 consensus



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

 non conserved
 similar
 $\geq 50\%$ conserved