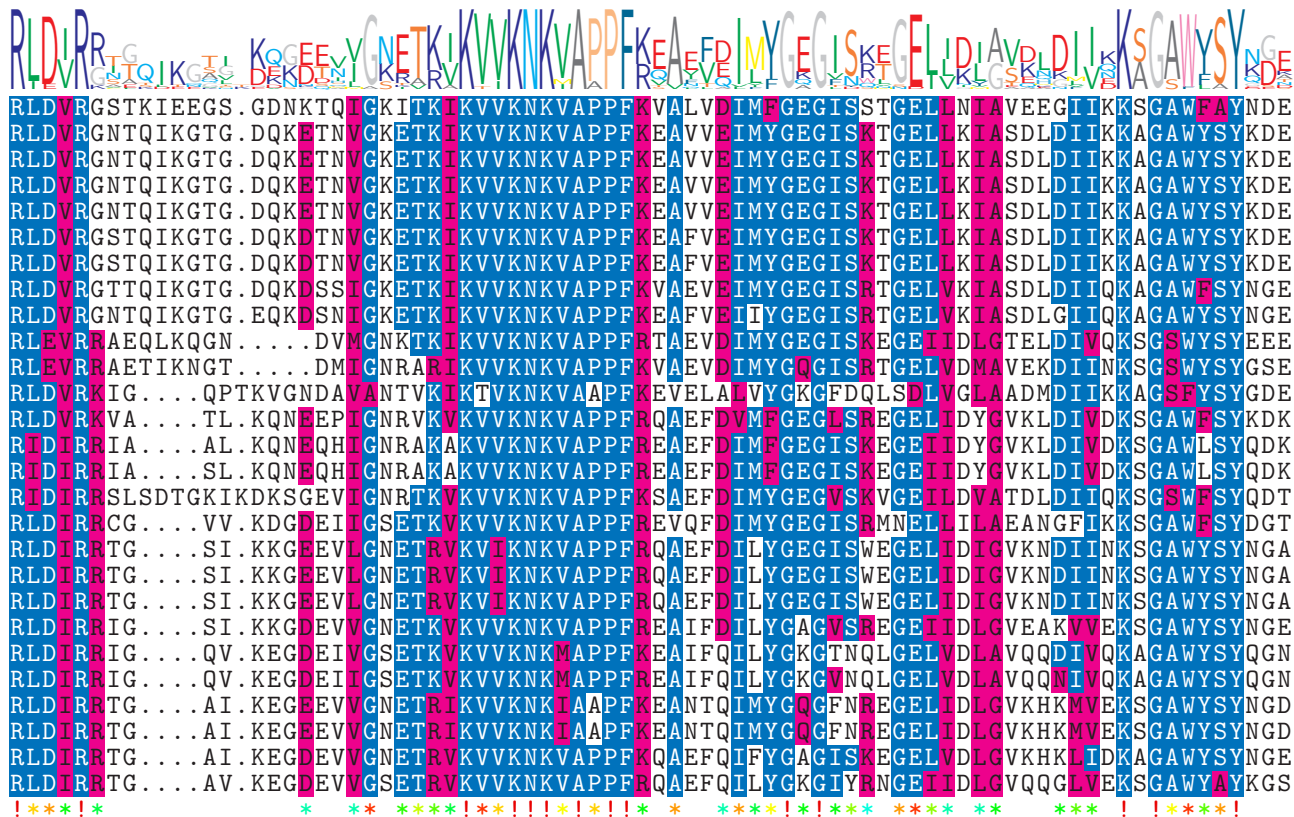


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NTDB id 600 KW2 RS01765 WP 011675413.1
 NTDB id 269 KZH43 RS08665 WP 001085462.1
 NTDB id 228 SPD RS09265 WP 001085462.1
 NTDB id 194 SPR RS08825 WP 001085462.1
 NTDB id 159 SP RS09750 WP 001085462.1
 NTDB id 527 SMSK321 RS11065 WP 001085454.1
 NTDB id 499 SM12261 RS08315 WP 078228268.1
 NTDB id 453 Spy49 1753c ACI62003.1
 NTDB id 408 SMU RS09530 WP 002262392.1
 NTDB id 115 BSU 16940 NP 389576.2
 NTDB id 625 LCA RS02525 WP 011374196.1
 NTDB id 1313 DR RS12030 WP 010888966.1
 NTDB id 1245 Cj1673c YP 002345041.1
 NTDB id 1214 NCTC11637 00359 SQJ03206.1
 NTDB id 1211 C694 RS00795 WP 000963128.1
 NTDB id 1334 RAOC RS04870 WP 004918236.1
 NTDB id 1389 A4U84 RS07560 WP 021112712.1
 NTDB id 1130 NGFG RS03960 WP 003688695.1
 NTDB id 1124 NGFG RS03960 WP 003688695.1
 NTDB id 1123 OK783 RS03845 WP 003688695.1
 NTDB id 1427 RS RS02760 WP 011000510.1
 NTDB id 1074 ABD1 RS10195 WP 000344167.1
 NTDB id 1022 ACIAD RS06390 WP 004925639.1
 NTDB id 1165 A1552VC RS01565 WP 000344154.1
 NTDB id 1142 GTF74 RS11550 WP 000344154.1
 NTDB id 418969 GWG05 RS02340 WP 043154135.1
 NTDB id 1205 PSJM300 05545 AFN77183.1

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 NTDB id 1205 PSJM300 05545 AFN77183.1

KIGQGA EKAKNYLKEHQDVFEIDHKVRAAHGLIDDSEVAETEEETTASKTKAKAKKEEKAVETEEIELELED..... 387
 KIGQGS ENAKKYLAEHPEIFDEIDKQVRSKFG LIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE 387
 KIGQGS ENAKKYLAEHPEIFDEIDKQVRSKFG LIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE 387
 KIGQGS ENAKKYLAEHPEIFDEIDKQVRSKFG LIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE 387
 KIGQGS ENAKKYLAEHPEIFDEIDKQVRSKFG LIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE 387
 KIGQGS ENAKKYLADNPEVFAEIDHQVVRVQFGLIDGEEAAE....SKKDE....VAQVDS..VNEEVTLDLGDELEIEIE 383
 KIGQGS ENAKKYLADNPEIFDEIDHQVVRVQFGLIDGEEIAE....SKKDE....AAQVDS..VNEEVTLDLGDELEIEIE 383
 KIGQGS ENAKRYLADHPQLFDEIDRKRVRVKFGLLEESEESAMAVASE.....E.....TDDLALDLNGIEIED. 378
 KIGQGS ENAKKFLADNPEIFDDIDHKVVRVQYGLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELED. 383
 RLGQGR ENAKQFLKENKDIMLMIQEIQREHYGLDNNGVVQQAEETQEEL.EFE.E..... 348
 RIGQGR ENAKNYLADHEDVEDEVRLKVVRAAYGISDVPEEDLPTTEDE.QI.NILPDDST.....EE..... 355
 RIGQGK EKTIAIYAERPMEQEIRDRVMAAIRAGNAGEAPALAPAPAA.PEAAEA..... 363
 KLGQGR ENSKAFLKENPEIADEITKAIQNSMGI EGMISGSSEDDEGEE..... 343
 KLGQGR ENAKALLKEDKALADEITLKI KESIGSNEEIMPLPDEPLEEM.E..... 347
 KLGQGR ENAKALLKEDKALADEITLKI KESIGSNEEIMPLPDEPLEEM.E..... 347
 KLGQGR DTVKELIKDNPELAELEAKIREKLQAK..... 343
 KIGQGG KNNAVKWLKENPEIADKLEQIRNTLASNPNSVLKATASDSND.ESDVVEEF.....SEEEL..... 372
 KIGQGG KDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETGDGE.RPEE..... 348
 KIGQGG KDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETGDGE.RPEE..... 348
 KIGQGG KDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETGDGE.RPEE..... 348
 RIGQGR DNCREFLRENAELAREIENKVVREHLGVTPMGAVTLAAEEVEED..... 352
 KIGQGG KNNVIRYFEENNQIAEEIERNIREQLLTGTNGAVQI.EDEEE.P...DLL.....LES..... 349
 KIGQGG KNNVIRYLEENPQISTEIEAVIREQLLTKASDQTAAHDETEEE.P...DLL.....ES..... 349
 KIGQGG KANACKYLKENPEIAKTLDKKLREMLLNPENMQLIAETSSAAD.DVEFGAV.....P.EEF..... 354
 KIGQGG KANACKYLKENPEIAKTLDKKLREMLLNPENMQLIAETSSAAD.DVEFGAV.....P.EEF..... 354
 KIGQGG KANVMKLFSENKALAAEVEVKLRELLLSGAAPVEE..KATAAE.YAEFEAE.....NEQEFE..... 354
 KIGQGG KANAACKYLEENPEIGQIEIQQIRAKLLVTSANTKA..TPVAED.LADADI..... 347

consensus

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NTDB id 600 KW2 RS01765 WP 011675413.1	.	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	E	388
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NTDB id 499 SM12261 RS08315 WP 078228268.1	E	384
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NTDB id 408 SMU RS09530 WP 002262392.1	.	383
NTDB id 115 BSU 16940 NP 389576.2	.	348
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NTDB id 1313 DR RS12030 WP 010888966.1	.	363
NTDB id 1245 Cj1673c YP 002345041.1	.	343
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NTDB id 1211 C694 RS00795 WP 000963128.1	.	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	.	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	.	348
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NTDB id 418969 GWG05 RS02340 WP 043154135.1	.	354
NTDB id 1205 PSJM300 05545 AFN77183.1	.	347

consensus

non conserved
 similar
 $\geq 50\%$ conserved