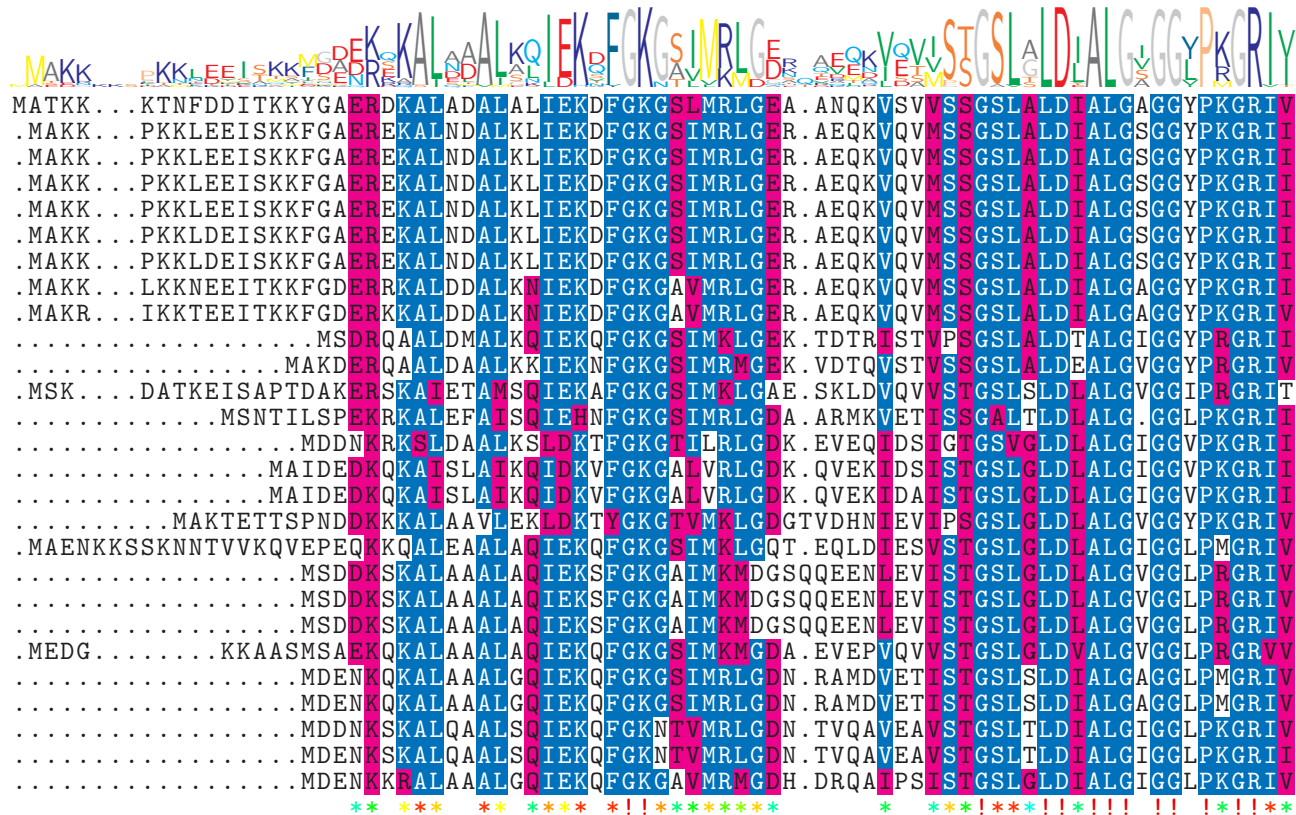


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 NTDB id 228 SPD RS09265 WP 001085462.1
 NTDB id 194 SPR RS08825 WP 001085462.1
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 NTDB id 453 Spy49 1753c ACI62003.1
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 NTDB id 625 LCA RS02525 WP 011374196.1
 NTDB id 1313 DR RS12030 WP 010888966.1
 NTDB id 87481 QOW94 RS02575 WP 297760696.1
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 NTDB id 1211 C694 RS00795 WP 000963128.1
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 NTDB id 1142 GTF74 RS11550 WP 000344154.1
 NTDB id 1022 ACIAD RS06390 WP 004925639.1
 NTDB id 1074 ABD1 RS10195 WP 000344167.1
 NTDB id 1205 PSJM300 05545 AFN77183.1

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consensus



KIGQGA EKAKNYLKEHQDVFD EIDHKVRAAHGL LDDSEVAETEETTASKTKAKAKKEEKAVETEEIELELED..... 387
 KIGQGS ENAKKYLAEHPEIFDEIDKQVRSKFG LIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE 387
 KIGQGS ENAKKYLAEHPEIFDEIDKQVRSKFG LIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE 387
 KIGQGS ENAKKYLAEHPEIFDEIDKQVRSKFG LIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE 387
 KIGQGS ENAKKYLADNPEIFDEIDHQVVRVQFGL LIDGEEIAES...KKDE....AAQVDS..VNEEVTLDLGDELEIEIE 383
 KIGQGS ENAKKYLADNPEVFAEIDHQVVRVQFGL LIDGEEAAES...KKDE....VAQVDS..VNEEVTLDLGDELEIEIE 383
 KIGQGS ENAKRYLADHPQLFDEIDRKVRVKVGL LEESEEEESAMAVASE.....E.....TDDLALDLNGIEIED. 378
 KIGQGS ENAKKFLADNPEIFDDIDHKVVRVQYGL IEEDNTEEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELED. 383
 RLGQGR ENAKQFLKENKDIMLMIQEIQ IREHYGL DNNGVVQQAEETQEEL.EFE.E..... 348
 RIGQGR ENAKNYLADHEDVEDEVRLKVVRAAYGISD VPEEDLPTTEDE.QI.NILPDDST.....EE..... 355
 RIGQGK EKTIAIYTAERPMEQEIRDRVMAAIRAGN AGEAPALAPAP.AAPE.AA.....EA..... 363
 NLAQGR DNTIQYMEENPTFAQAVEEQVVRQKLDQGAAGFANRVT.HTHEDIG.EG.....E..... 352
 KLGQGR ENSKAFLENPEIAD EITKAIQNSMGI EGMISGSEDD..EGEE..... 343
 KLGQGR ENAKALLKEDKALADEITLKI KESIGSNEEIMPLPDE..PLEEME..... 347
 KLGQGR ENAKALLKEDKALADEITLKI KESIGSNEEIMPLPDE..PLEEME..... 347
 KLGQGR DTVKELTKDNPELAEEL EAKI REKLQAK..... 343
 KIGQGN NNAVKWLKENPEIADKLEQEIRNTLASNPN SVLKATASDSNDES.D.VE.....EFSEEEL..... 372
 KIGQGD NVRVWLKENPEISDEIDAKIRALNGVEMH ITEGTQDETGER.....PEE..... 348
 KIGQGD NVRVWLKENPEISDEIDAKIRALNGVEMH ITEGTQDETGER.....PEE..... 348
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 RIGQGR DNCREFLRENAELAREIENKVREHLGV TPGAVTLA.EEVEED..... 352
 KIGQGN ANACKY LKENPEIAKTL DKKLREMLLN PENMQLIAETSSAADVVE.FG.....AVPEEF..... 354
 KIGQGN ANACKY LKENPEIAKTL DKKLREMLLN PENMQLIAETSSAADVVE.FG.....AVPEEF..... 354
 KIGQGN NVIRYLEENPQISTEIEAVIREQLLTKASDQ TAA.HDETEE EPD.LL.....ES..... 349
 KIGQGN NVIRYFEENNQIAEEIERNIREQLLTTGTNGAVQ.I.EDEE EPD.LL.....LES..... 349
 KIGQGN ANAAKYLEENPEIGQEIEQQIRAKLLV T SANTKATPVAEDLADAD.I..... 347

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NTDB id 600 KW2 RS01765 WP 011675413.1	.	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	E	388
NTDB id 228 SPD RS09265 WP 001085462.1	E	388
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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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consensus

non conserved
 similar
 ≥ 50% conserved