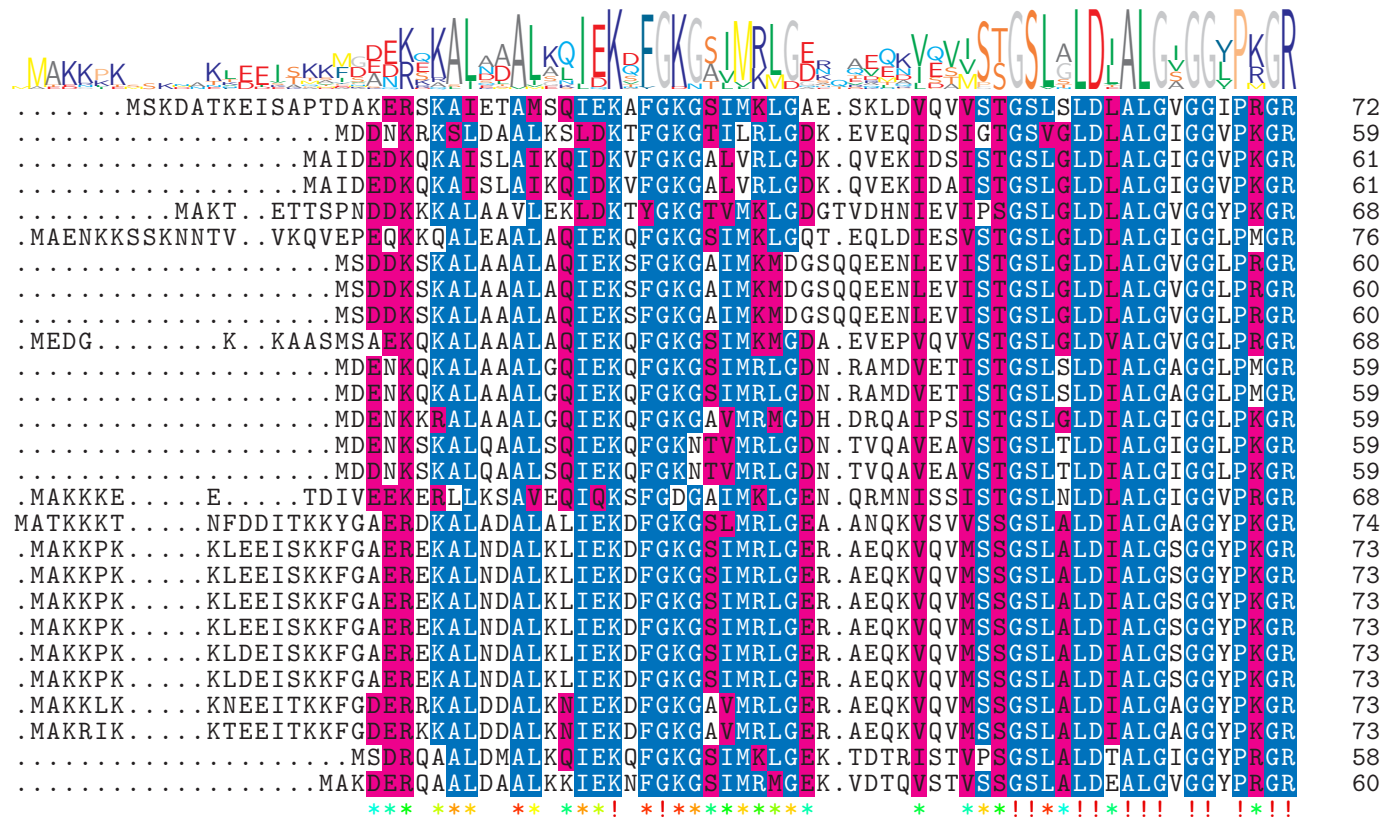


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NTDB id 1123 OK783 RS03845 WP 003688695.1
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NTDB id 1165 A1552VC RS01565 WP 000344154.1
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NTDB id 1017941 ABZU05 RS05135 WP 375168152.1
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NTDB 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 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
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
consensus

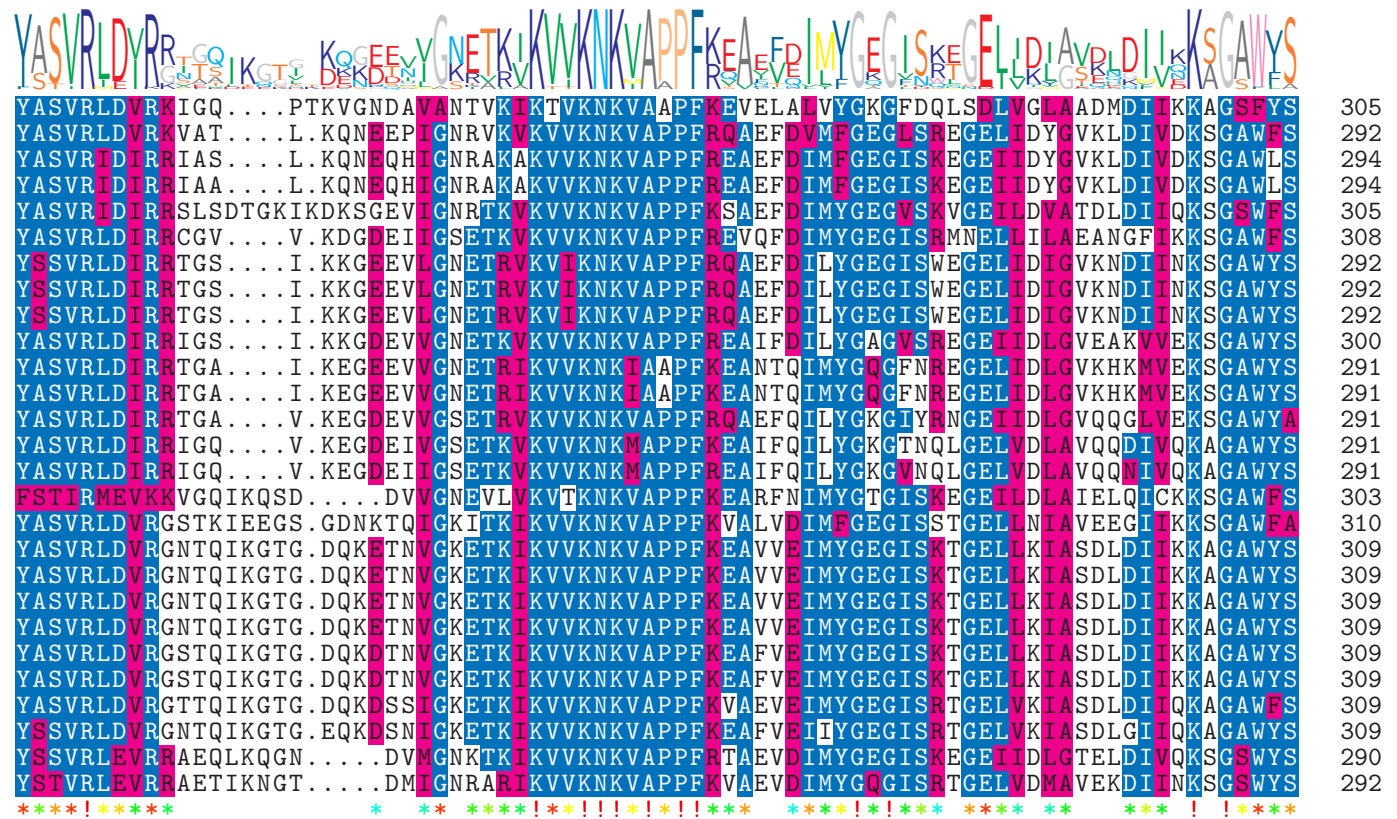
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NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1334 RA0C RS04870 WP 004918236.1
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NTDB id 1123 OK783 RS03845 WP 003688695.1
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NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
consensus

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logo

NTDB id 1313 DR RS12030 WP 010888966.1	YGDERIGGGKEKTIAYIAERPEMEQEIRDRVMAAIRAGNAGEAPALAPAPAAPEAAEA.....	363
NTDB id 1245 Cj1673c YP 002345041.1	YKDKKLGQGGRENSKAFLENPEIADEITKAIQNSMGIEGM....ISGSEDDE..GEE.....	343
NTDB id 1211 C694 RS00795 WP 000963128.1	YQDKKLGQGGRENAKALLKEDKALADEITLKIKESIGSNEE....IMPLPDEP..LEEME.....	347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	YQDKKLGQGGRENAKALLKEDKALADEITLKIKESIGSNEE....IMPLPDEP..LEEME.....	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	YQDTKLGGGRDITVKELIKDNPELAEELEAKIREKLQAK.....	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	YDGTKIGGGKNNAVKWLKENPEIADKLEQEIRNTLASNP.....SVLKATASDSNDESDV..EEFSEEEL.....	372
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NTDB id 1123 OK783 RS03845 WP 003688695.1	YNGAKIGGGKDNVRVWLKENPEISDEIDAKIRALNGVEMH....ITEGTQDET.....D..GERPEE.....	348
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	YNGDKIGGGKANACKYLKENPEIAKTLDKKLREMLLNPN.....MQLIAETSSAADDVEF..GAVPEEF.....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	YNGDKIGGGKANACKYLKENPEIAKTLDKKLREMLLNPN.....MQLIAETSSAADDVEF..GAVPEEF.....	354
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	YQGNKIGGGKNNVIRYLEENPQISTEIEAVIREQLLTKAS....DQTAA.HDETEEEDP....LLES.....	349
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NTDB id 228 SPD RS09265 WP 001085462.1	YKDEKIGGGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELE	383
NTDB id 194 SPR RS08825 WP 001085462.1	YKDEKIGGGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELE	383
NTDB id 159 SP RS09750 WP 001085462.1	YKDEKIGGGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELE	383
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NTDB id 453 Spy49 1753c ACI62003.1	YNGEKIGGGSENAKRYLADHPQLFDEIDRKVRVKFGLLEESEESAMAVASE.....E.....TDDLALDLNGIE	375
NTDB id 408 SMU RS09530 WP 002262392.1	YNGEKIGGGSENAKKFLADNPEIFDDIDHKVVRVQYGLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIE	380
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NTDB id 625 LCA RS02525 WP 011374196.1	YGSEIRIGGGRENAKNYLADHEDVEDEVRLKVRVAAAGISDVPEEDLPTTEDE.QI.NILPDDST.....EE.....	355
consensus	! **!!!***** * * ***** ***** ** *	

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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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consensus			

-  non conserved
-  similar
-  ≥ 50% conserved