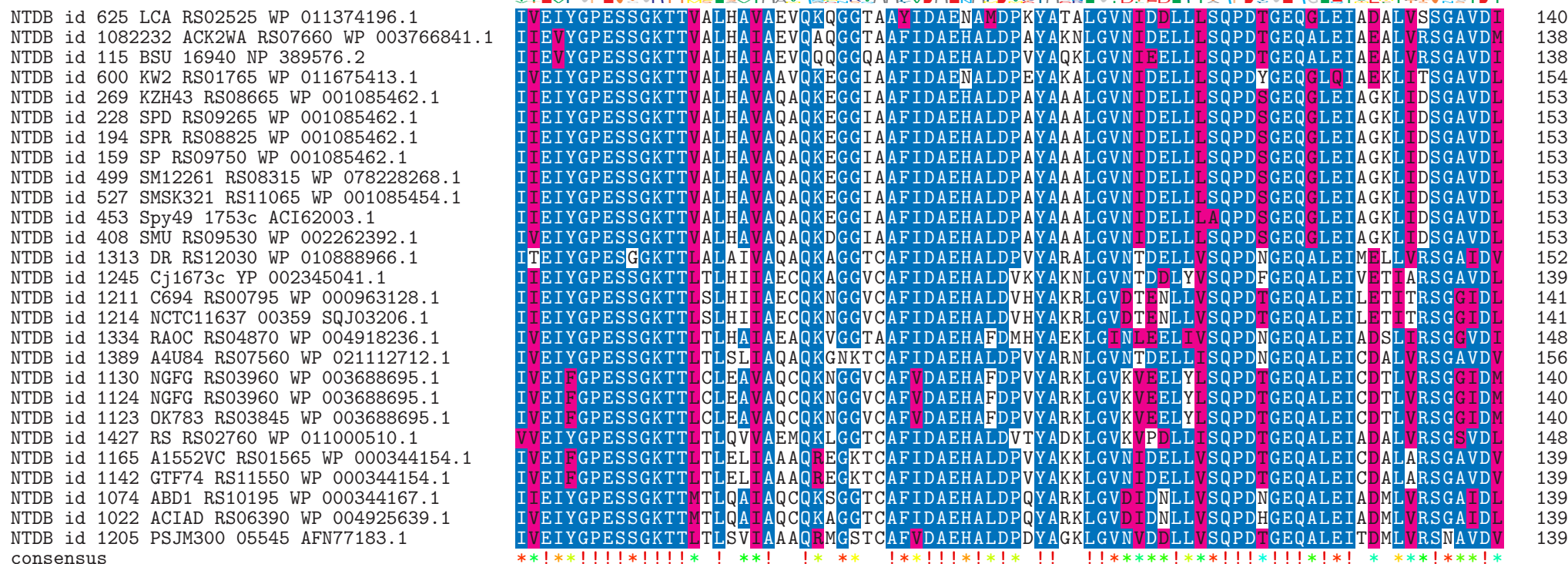


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NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
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NTDB id 408 SMU RS09530 WP 002262392.1
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NTDB id 1211 C694 RS00795 WP 000963128.1
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NTDB id 625 LCA RS02525 WP 011374196.1
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NTDB id 1022 ACIAD RS06390 WP 004925639.1
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Sequence	Position
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LVIDSVAALVPRAEIEGEMGD ¹ AHVGLQAR ² LSQAL ³ RKLSGVINKSKT ⁵ IA ⁶ IFINQIREK ⁷ VGM ⁸ .FGNPEITTPGGRALKFY ⁹ S	217
VVVDLSVAALVPKAEIEGDMGDS ¹ HVGLQAR ² LSQAL ³ RKLSGAINKSKT ⁵ IA ⁶ IFINQIREK ⁷ VGM ⁸ .FGNPETTPGGRALKFY ⁹ S	217
VVIDLSVAALVPKAEIDG ¹ EIGDS ² SVGLQAR ³ MMSQAM ⁴ RKL ⁵ AGHINKTKT ⁶ IA ⁷ IFINQLREK ⁸ VGM ⁹ .FGSPETTPGGRALKFYA	233
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NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRGSTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKAEAFVEIMYGGEGISKTGELLKIASDLDIKKKAGAWYSYK	311
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRGSTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKAEAFVEIMYGGEGISKTGELLKIASDLDIKKKAGAWYSYK	311
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRGTTQIKGTG.DQKDSNIGKETKIKVVKNKVAPPFKVAEVEIMYGGEGISRTGELVKIASDLDIQKAGAWFSYN	311
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDSNIGKETKIKVVKNKVAPPFKAEAFVEIITYGGEGISRTGELVKIASDLGIIQKAGAWYSYN	311
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRLDIRRIAA....L.KQNEQHIGNRAKAKVVKNKVAPPFRFAEAFDIFMGEGISKEGEIIDYGVKLDIVDKSGAWLSYQ	296
NTDB id 1334 RAOC RS04870 WP 004918236.1	SVRLDIRRSLSDTGKIKDKSGEVIGNRTKVVKNKVAPPFKSAEAFDIFYGGEGVSKVGEILDVATDLDIQKSGSWFSYQ	307
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGV....V.KDGDEIIGSETKVVKNKVAPPFRREVQFDIFYGGEGISRMNELLILAEANGFIKKSGAWFSYD	310
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRIGQ....V.KEGDEIVGSETKVVKNKMAPPFKEAIFQILYGGKGTNQLGELVDLAVQQDIVQKAGAWYSYQ	293
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRIGQ....V.KEGDEIVGSETKVVKNKMAPPFKEAIFQILYGGKGTNQLGELVDLAVQQDIVQKAGAWYSYQ	293
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA....V.KEGDEVVGSSETRVKVVKNKVAPPFRQAEEFQILYGGKIYFNGEIIDLGVQQGLVEKSGAWYAYK	293
consensus	*!*!***!* * ** *****!*****!*****! * *****!*!***** *	

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NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQGRENAKNYLADHEDVEDEVRLKVRRAAYGISDVPEEDLPTTEDEQINILPDDSTEE.....	355
NTDB id 1082232 ACK2WA RS07660 WP 003766841.1	EERIGQGRENAKQYLKEHTDIRDEISKRVRREEYIDGTNKEPLD..ENEETLSLLDDE.....	348
NTDB id 115 BSU 16940 NP 389576.2	EERLGQGRENAKQFLKENKDIMLMIQEQUIREHYGLDNNGVVQQAEETQEELEFEE.....	348
NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGAEKAKNYLKEHQDVFDEIDHKVRAAHGLDDSEVAETEEETTASKTAKAKAKKEEKAVETEEIELELED.....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGSENAKKYLAHPFIFDEIDKQVRSKFGGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGSENAKKYLAHPFIFDEIDKQVRSKFGGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGSENAKKYLAHPFIFDEIDKQVRSKFGGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGSENAKKYLAHPFIFDEIDKQVRSKFGGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
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NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGSENAKKFLADNPEIFDDIDHKVVRVQYGLIEEDNTEEKQSSSEK.....ETDEK..ADKNLVLELDDTIELE	382
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NTDB id 1245 Cj1673c YP 002345041.1	DKKLGGGRENASKAFLKENPEIADEITKAIQNSMGIEGMI....SGSEDDE..GEE.....	343
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKLGGGRENAKALLKEDKALADEITLKIKESIGSNEEI....MPLPDEP..LEEME.....	347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGGGRENAKALLKEDKALADEITLKIKESIGSNEEI....MPLPDEP..LEEME.....	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGGGRDTPVKELTKDNPELAEELEAKIREKLQAK.....	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQGGKNNAVKWLKENPEIADKLEQEIRNTLASNPNS....VLKATASDSNDESVDVEE..FSEEEL.....	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHI....TEGTQDET.....GE..RPEE.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHI....TEGTQDET.....GE..RPEE.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHI....TEGTQDET.....GE..RPEE.....	348
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQGRDNCREFLRENAELAREIENKVRHLGVTPMG....AV.TLAEVEEED.....	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQGGKANACKYLLKENPEIAKTLDKKLREMLLNPNM....QLIAETSSAADDVEFGA..VPEEF.....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQGGKANACKYLLKENPEIAKTLDKKLREMLLNPNM....QLIAETSSAADDVEFGA..VPEEF.....	354
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQGGKNNVIRYFEENNQIAEEIERNIREQLLTGTN....GAVQ.I.EDEEEDPD..L..LLES.....	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQGGKNNVIRYLEENPQISTEIEAVIREQLLTASD....QTAA.HDETEEEDPD..L..LES.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQGGKANAAKYLEENPEIGQEIEQQIRAKLLVTSAN....TKATPVAEDLADAD..I.....	347
consensus	**!!*!* * * * * * * * * * *	

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NTDB id	625 LCA RS02525 WP 011374196.1	...	355	
NTDB id	1082232 ACK2WA RS07660 WP 003766841.1	...	348	
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NTDB id	159 SP RS09750 WP 001085462.1	IEE	388	
NTDB id	499 SM12261 RS08315 WP 078228268.1	IEE	384	
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NTDB id	1142 GTF74 RS11550 WP 000344154.1	...	354	
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NTDB id	1022 ACIAD RS06390 WP 004925639.1	...	349	
NTDB id	1205 PSJM300 05545 AFN77183.1	...	347	
consensus				

-  non conserved
-  similar
-  ≥ 50% conserved