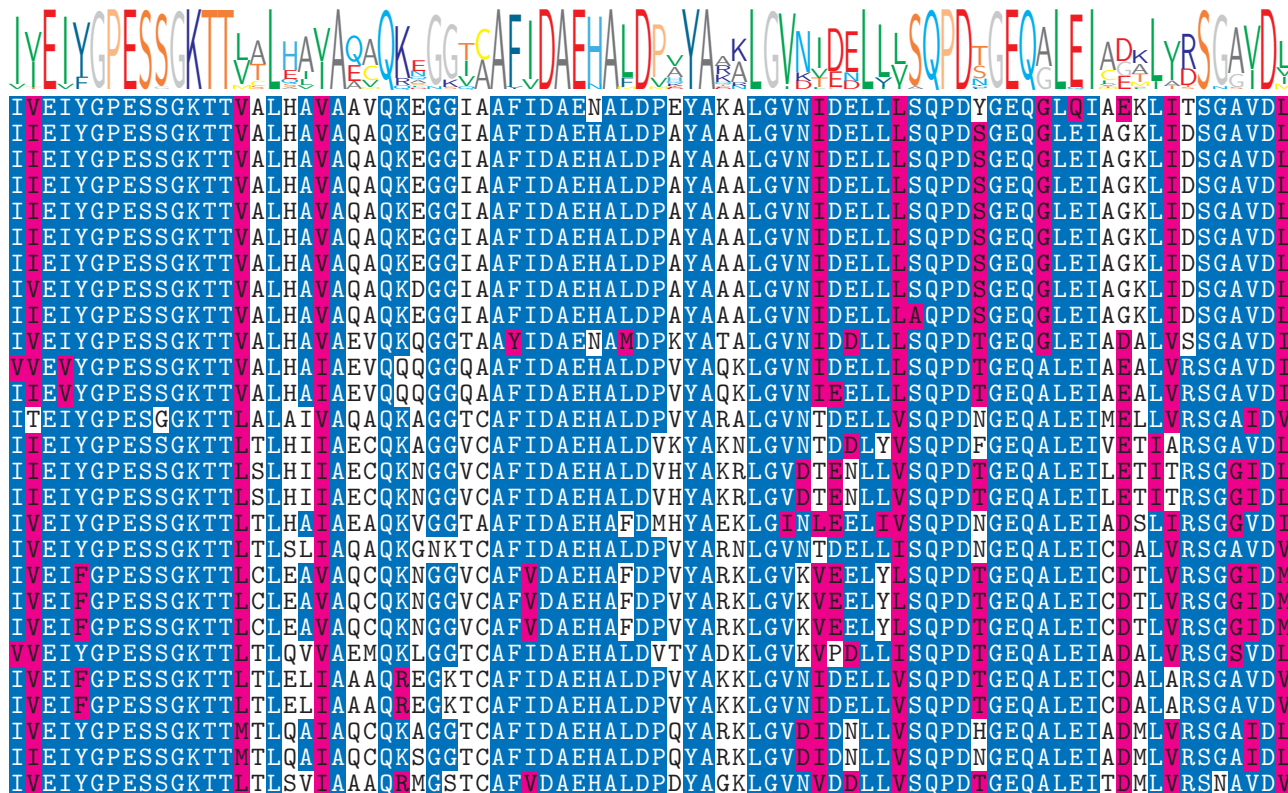


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NTDB id 600 KW2 RS01765 WP 011675413.1
 NTDB id 269 KZH43 RS08665 WP 001085462.1
 NTDB id 228 SPD RS09265 WP 001085462.1
 NTDB id 194 SPR RS08825 WP 001085462.1
 NTDB id 159 SP RS09750 WP 001085462.1
 NTDB id 527 SMSK321 RS11065 WP 001085454.1
 NTDB id 499 SM12261 RS08315 WP 078228268.1
 NTDB id 408 SMU RS09530 WP 002262392.1
 NTDB id 453 Spy49 1753c ACI62003.1
 NTDB id 625 LCA RS02525 WP 011374196.1
 NTDB id 245980 CEQ83 RS19905 WP 013058804.1
 NTDB id 115 BSU 16940 NP 389576.2
 NTDB id 1313 DR RS12030 WP 010888966.1
 NTDB id 1245 Cj1673c YP 002345041.1
 NTDB id 1211 C694 RS00795 WP 000963128.1
 NTDB id 1214 NCTC11637 00359 SQJ03206.1
 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 1165 A1552VC RS01565 WP 000344154.1
 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 **!***!!!!*!!!!* ! **! !* ** !***!!!!*!! !!******!***!!!!*!!!!*!!* * **!*!!!!*!

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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGA	EKAKNYLKEHQDV	FEIDHKVRAAHG	LDDSEVAETEEE	...TTASKTKAKAKKEEKAVETEEIELELED	387					
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	FEIDKQVRSKFG	LIDGEEVSEQDTE	...NKKDE...PKKEEA..VNEEVPLDLGDE	381					
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	FEIDKQVRSKFG	LIDGEEVSEQDTE	...NKKDE...PKKEEA..VNEEVPLDLGDE	381					
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	FEIDKQVRSKFG	LIDGEEVSEQDTE	...NKKDE...PKKEEA..VNEEVPLDLGDE	381					
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	FEIDKQVRSKFG	LIDGEEVSEQDTE	...NKKDE...PKKEEA..VNEEVPLDLGDE	381					
NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGS	ENAKKYLADNPEVFAE	IDHQVVRVQFGL	LIDGEEAAE	...SKKDE...VAQVDS..VNEEVTLDLGDE	377					
NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGS	ENAKKYLADNPEIF	FEIDHQVVRVQFGL	LIDGEEIAE	...SKKDE...AAQVDS..VNEEVTLDLGDE	377					
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS	ENAKKFLADNPEIF	DDIDHKVVRVQYGL	IEEDNTEEKQSS	...KEK...ETDEK...ADKNLVLELDDT	378					
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS	ENAKRYLADHPQLF	FEIDRKRVRKFG	LLESEEEESAMAV	...ASE...E...TDDLALDLNNG	373					
NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQG	RENAKNYLADHEDVE	DEVRLKVVRAAYG	ISDVPEEDLPTTE	...DEQINILPDDSTEE	355					
NTDB id 245980 CEQ83 RS19905 WP 013058804.1	DERLGGG	RENAKQFLKENTDIR	QEIAGQVREHHGL	DQDGEPAPE	.DD...D.QGDLNI	345					
NTDB id 115 BSU 16940 NP 389576.2	EERLGGG	RENAKQFLKENKDIM	LMIQEQIREHYGL	DNNGVVQQQ	.AE...ETQEELEFEE	348					
NTDB id 1313 DR RS12030 WP 010888966.1	DERIGQG	KEKTIAYIAERP	EMEQRDRVMAAIR	AGNAGEAPALAP	APAAPEAAEA	363					
NTDB id 1245 Cj1673c YP 002345041.1	DKKLGQG	RENSKAFLENPEIA	DEITKAIQNSMG	TEGMI	...SGSEDD..EGEE	343					
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKLGQG	RENAKALLKEDKAL	ADEITLTKESIGS	NEEI	...MPLPDE..PLEEME	347					
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGQG	RENAKALLKEDKAL	ADEITLTKESIGS	NEEI	...MPLPDE..PLEEME	347					
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGQGR	DTVKELTKDNPELA	EELAKIREKLQAK			343					
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQG	KNNAVKWLKENPEI	ADKLEQEI	RNTLASNPNS	...VLKATASDSNDES	372					
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIGQG	KDNVRVWLKENPEI	SDEIDAKIRALNG	VEMHI	...TEGTQDET	348					
NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQG	KDNVRVWLKENPEI	SDEIDAKIRALNG	VEMHI	...TEGTQDET	348					
NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQG	KDNVRVWLKENPEI	SDEIDAKIRALNG	VEMHI	...TEGTQDET	348					
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQGR	DNCREFLRENAEL	AREIENKVR	REHLGVTPMG	...AVTLA.EEVEED	352					
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQG	KANACKYLLKENPEI	AKTLDKKLREMLLN	PENM	...QLIAETSSAAD	354					
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQG	KANACKYLLKENPEI	AKTLDKKLREMLLN	PENM	...QLIAETSSAAD	354					
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQG	KNNVIRYLEENPQ	ISTEIEAVIREQLL	TKASD	...QTAA.HDETEE	349					
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQG	KNNVIRYFEENNQ	IAEIEIRNIREQLL	TTGTN	...GAVQ.I.EDEE	349					
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQG	KANAACYLLENPEI	IGQIEQQIRAKLL	VTSAN	...TKATPVAEDLAD	347					
consensus	**!!!	*****	**	*****	****	**	**	**	**	**	**

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NTDB id 600 KW2 RS01765 WP 011675413.1	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	LEIEIEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	LEIEIEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	LEIEIEE	388
NTDB id 159 SP RS09750 WP 001085462.1	LEIEIEE	388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	LEIEIEE	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	LEIEIEE	384
NTDB id 408 SMU RS09530 WP 002262392.1	IELED..	383
NTDB id 453 Spy49 1753c ACI62003.1	IEIED..	378
NTDB id 625 LCA RS02525 WP 011374196.1	355
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NTDB id 1123 OK783 RS03845 WP 003688695.1	348
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	349
NTDB id 1205 PSJM300 05545 AFN77183.1	347

consensus

- X non conserved
- X similar
- X ≥ 50% conserved