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NTDB id 600 KW2 RS01765 WP 011675413.1	VEIYGPSSGKTTVALHAVA	AAVQKEGGIAAFIDAENALDPEYAKALGVNIDELLSQPDYGEQGLQIAEKLITSGAVDLV	155
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEIYGPSSGKTTVALHAVA	AQAQKEGGIAAFIDAETHALDPAYAAALGVNIDELLSQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 228 SPD RS09265 WP 001085462.1	IEIYGPSSGKTTVALHAVA	AQAQKEGGIAAFIDAETHALDPAYAAALGVNIDELLSQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 194 SPR RS08825 WP 001085462.1	IEIYGPSSGKTTVALHAVA	AQAQKEGGIAAFIDAETHALDPAYAAALGVNIDELLSQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 159 SP RS09750 WP 001085462.1	IEIYGPSSGKTTVALHAVA	AQAQKEGGIAAFIDAETHALDPAYAAALGVNIDELLSQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEIYGPSSGKTTVALHAVA	AQAQKEGGIAAFIDAETHALDPAYAAALGVNIDELLSQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEIYGPSSGKTTVALHAVA	AQAQKEGGIAAFIDAETHALDPAYAAALGVNIDELLSQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 408 SMU RS09530 WP 002262392.1	VEIYGPSSGKTTVALHAVA	AQAQKDGGAFAFIDAETHALDPAYAAALGVNIDELLSQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 453 Spy49 1753c ACI62003.1	IEIYGPSSGKTTVALHAVA	AQAQKEGGIAAFIDAETHALDPAYAAALGVNIDELLSQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 115 BSU 16940 NP 389576.2	IEVYGPSSGKTTVALHAI	AEVQQQGGQAFAFIDAETHALDPVYAQKLGVNIEELLSQPDTEGEQALEIAEALVRSGAVDIV	139
NTDB id 625 LCA RS02525 WP 011374196.1	VEIYGPSSGKTTVALHAVA	AEVQKGGTAAYIDAENAMDPKYATALGVNIDELLSQPDTEGEQLEIADALVSSGAVDIL	141
NTDB id 1313 DR RS12030 WP 010888966.1	TEIYGPSSGKTTVALAI	IVAQAQKAGGTCFAFIDAETHALDPVYARALGVNTDELLVSQPDNTEGEQALEIMELLVRSGATDVV	153
NTDB id 1245 Cj1673c YP 002345041.1	IEIYGPSSGKTTTLHI	IAECQKAGGVCFAFIDAETHALDVKYAKNLGVNTDLYVVSQPDFGEQALEIVETIARSGAVDLI	140
NTDB id 1214 NCTC11637 00359 SQJ03206.1	IEIYGPSSGKTTLSLHI	IAECQKNGGVCFAFIDAETHALDVHYAKRLGVDTENLLVSQPDTEGEQALEILETITRSGIDLIV	142
NTDB id 1211 C694 RS00795 WP 000963128.1	IEIYGPSSGKTTLSLHI	IAECQKNGGVCFAFIDAETHALDVHYAKRLGVDTENLLVSQPDTEGEQALEILETITRSGIDLIV	142
NTDB id 1334 RAOC RS04870 WP 004918236.1	VEIYGPSSGKTTTLHAI	IAEAQKVGTAFAFIDAETHAFDMHYAEKLGINLEELIVSQPDNTEGEQALEIADSLIRSGVDIV	149
NTDB id 178332 A3857 RS10765 WP 002720615.1	IEIYGPSSGKTTTLHV	VAAEQKGGVCAFVDAETHALDPQYAKKLGVNIDELLSQPDTEGEQALEIVDTLVRSGAVNLI	153
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NTDB id 1130 NGFG RS03960 WP 003688695.1	VEIFGPSSGKTTLCLEA	VQAQCQKNGGVCFAVDAEHAFDPVYARKLGKVEELYLSQPDTEGEQALEICDTLVRSGGIDMV	141
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NTDB id 1123 OK783 RS03845 WP 003688695.1	VEIFGPSSGKTTLCLEA	VQAQCQKNGGVCFAVDAEHAFDPVYARKLGKVEELYLSQPDTEGEQALEICDTLVRSGGIDMV	141
NTDB id 1427 RS RS02760 WP 011000510.1	VEIYGPSSGKTTTLQV	VVAEMQKLGTCFAFIDAETHALDVTYADKLGKVPDLLISQPDTEGEQALEIADALVRSGSVDLI	149
NTDB id 1165 A1552VC RS01565 WP 000344154.1	VEIFGPSSGKTTTLELI	IAAAQREGKTCFAFIDAETHALDPVYAKKLGVNIDELLSQPDTEGEQALEICDALARSGAVDVI	140
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	VEIYGPSSGKTTMTLQAI	IAQCQKAGGTCFAFIDAETHALDPQYARKLGVDIDNLLVSQPDHTEGEQALEIADMLVRSGATDLI	140
NTDB id 1074 ABD1 RS10195 WP 000344167.1	IEIYGPSSGKTTMTLQAI	IAQCQKSGGTCFAFIDAETHALDPQYARKLGVDIDNLLVSQPDNTEGEQALEIADMLVRSGATDLI	140
NTDB id 1205 PSJM300 05545 AFN77183.1	VEIYGPSSGKTTTL	LSVIAAAQRMGSTCAFVDAETHALDPDYAGKLGVNVDLLVSQPDTEGEQALEITDMLVRSNAVDVI	140
consensus	*!*****!*****!	*!*****!*****!	

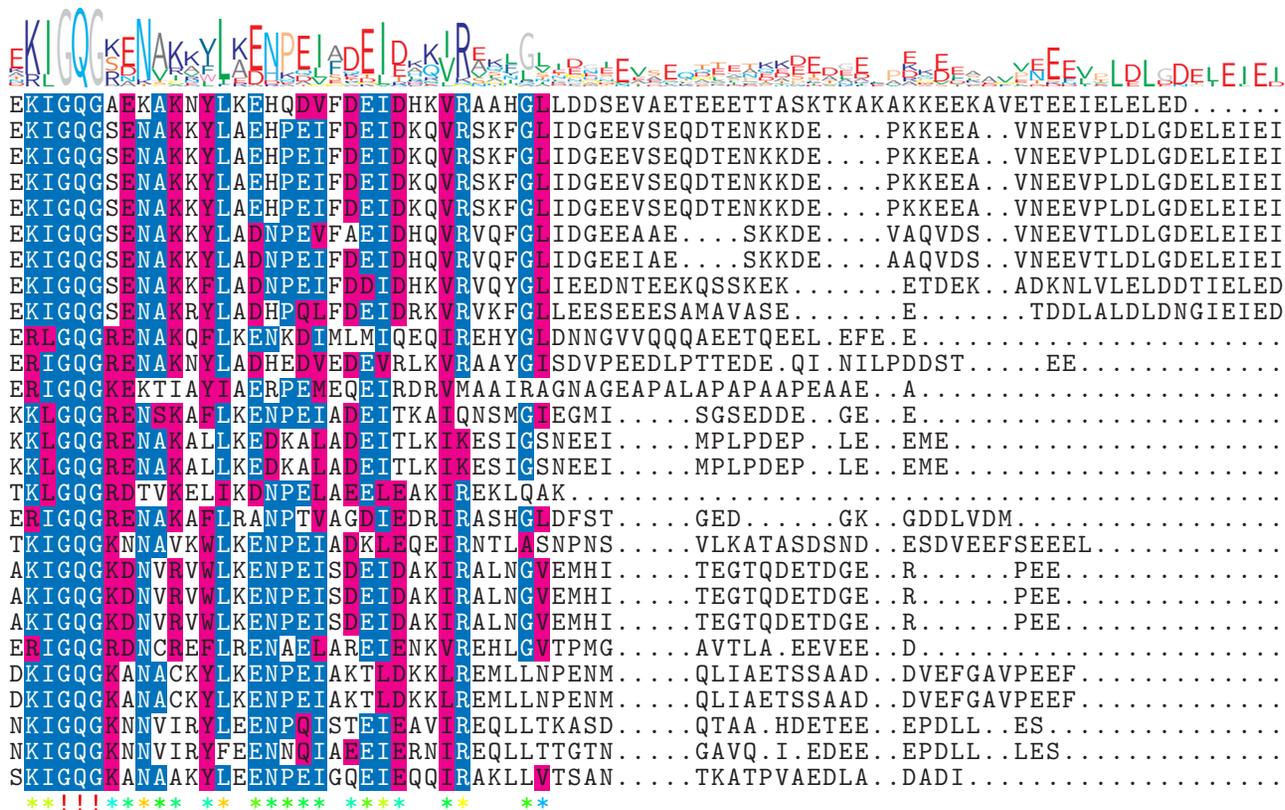




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NTDB id 600 KW2 RS01765 WP 011675413.1  
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 NTDB id 228 SPD RS09265 WP 001085462.1  
 NTDB id 194 SPR RS08825 WP 001085462.1  
 NTDB id 159 SP RS09750 WP 001085462.1  
 NTDB id 527 SMSK321 RS11065 WP 001085454.1  
 NTDB id 499 SM12261 RS08315 WP 078228268.1  
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 NTDB id 1313 DR RS12030 WP 010888966.1  
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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  
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NTDB id 600 KW2 RS01765 WP 011675413.1	..	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	EE	388
NTDB id 228 SPD RS09265 WP 001085462.1	EE	388
NTDB id 194 SPR RS08825 WP 001085462.1	EE	388
NTDB id 159 SP RS09750 WP 001085462.1	EE	388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EE	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	EE	384
NTDB id 408 SMU RS09530 WP 002262392.1	..	383
NTDB id 453 Spy49 1753c ACI62003.1	..	378
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NTDB id 625 LCA RS02525 WP 011374196.1	..	355
NTDB id 1313 DR RS12030 WP 010888966.1	..	363
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	..	347
NTDB id 1211 C694 RS00795 WP 000963128.1	..	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	..	343
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consensus

 non conserved  
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