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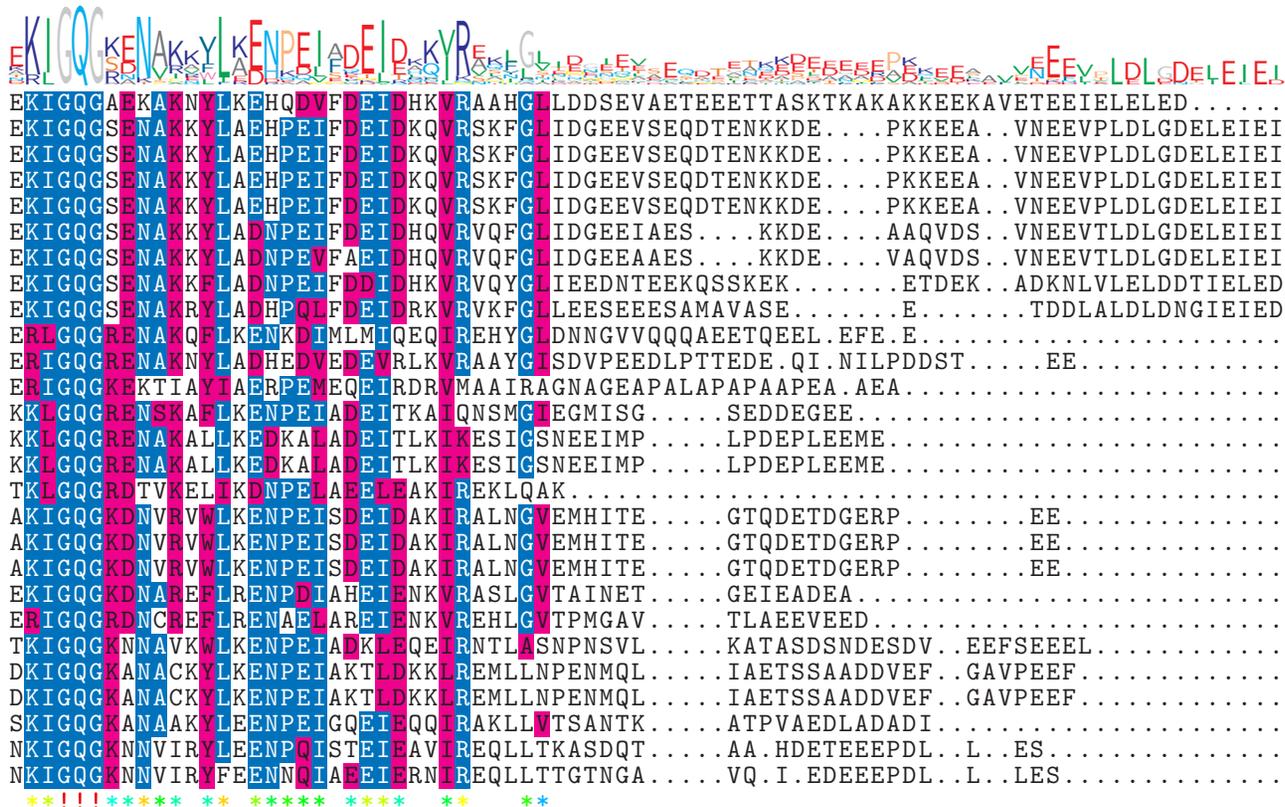


NTDB id 600 KW2 RS01765 WP 011675413.1	VEIYGPESSGKTTVALHAVA	AAVQKEGGIAAFIDAENALDPEYAKALGVNIDELLSQPDYGEQGLQIAEKLITSGAVDLV	155
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEIYGPESSGKTTVALHAVA	AQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLSQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 228 SPD RS09265 WP 001085462.1	IEIYGPESSGKTTVALHAVA	AQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLSQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 194 SPR RS08825 WP 001085462.1	IEIYGPESSGKTTVALHAVA	AQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLSQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 159 SP RS09750 WP 001085462.1	IEIYGPESSGKTTVALHAVA	AQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLSQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEIYGPESSGKTTVALHAVA	AQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLSQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEIYGPESSGKTTVALHAVA	AQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLSQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 408 SMU RS09530 WP 002262392.1	VEIYGPESSGKTTVALHAVA	AQAQKDGGAFAFIDAEHALDPAYAAALGVNIDELLSQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 453 Spy49 1753c ACI62003.1	IEIYGPESSGKTTVALHAVA	AQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLSQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 115 BSU 16940 NP 389576.2	IEVYGPESSGKTTVALHAI	AEVQQQGGQAAAFIDAEHALDPVYAQKLGVNIEELLSQPDTEGEQALEIAEALVRSGAVDIV	139
NTDB id 625 LCA RS02525 WP 011374196.1	VEIYGPESSGKTTVALHAVA	AEVQKGGTAAYIDAENAMDPKYATALGVNIDELLSQPDTEGEQGLEIADALVSSGAVDIL	141
NTDB id 1313 DR RS12030 WP 010888966.1	TEIYGPESSGKTTVALAI	IVAQAQKAGGTCFAFIDAEHALDPVYARALGVNTDELLVSQPDNGEQALEIMELLVRSGATDVV	153
NTDB id 1245 Cj1673c YP 002345041.1	IEIYGPESSGKTTTLHI	IAECQKAGGVCFAFIDAEHALDVKYAKNLGVNTDLYVVSQPDFGEQALEIVETIARSGAVDLI	140
NTDB id 1211 C694 RS00795 WP 000963128.1	IEIYGPESSGKTTLSLHI	IAECQKNGGVCFAFIDAEHALDVHYAKRLGVDTENLLVSQPDTEGEQALEILETITRSGGIDL	142
NTDB id 1214 NCTC11637 00359 SQJ03206.1	IEIYGPESSGKTTLSLHI	IAECQKNGGVCFAFIDAEHALDVHYAKRLGVDTENLLVSQPDTEGEQALEILETITRSGGIDL	142
NTDB id 1334 RAOC RS04870 WP 004918236.1	VEIYGPESSGKTTTLHAI	IAEAQKVGGAFAFIDAEHALDFMHYAEKLGINLEELIVSQPDNGEQALEIADSLIRSGGVDIV	149
NTDB id 1130 NGFG RS03960 WP 003688695.1	VEIFGPESSGKTTLCLEA	VQAQCQKNGGVCFAFVDAEHAFDPVYARKLGVKVEELYLSQPDTEGEQALEICDTLVRSGGIDMV	141
NTDB id 1124 NGFG RS03960 WP 003688695.1	VEIFGPESSGKTTLCLEA	VQAQCQKNGGVCFAFVDAEHAFDPVYARKLGVKVEELYLSQPDTEGEQALEICDTLVRSGGIDMV	141
NTDB id 1123 OK783 RS03845 WP 003688695.1	VEIFGPESSGKTTLCLEA	VQAQCQKNGGVCFAFVDAEHAFDPVYARKLGVKVEELYLSQPDTEGEQALEICDTLVRSGGIDMV	141
NTDB id 63910 X636 RS20525 WP 023594263.1	IEIYGPESSGKTTTLQV	VVAEMQKIGGTCFAFIDAEHALDVGYASKLGVSVPDLLISQPDTEGEQALEIADALVRSGSIDL	151
NTDB id 1427 RS RS02760 WP 011000510.1	VEIYGPESSGKTTTLQV	VVAEMQKLGTCFAFIDAEHALDVTYADKLGVKVPDLLISQPDTEGEQALEIADALVRSGSVDLI	149
NTDB id 1389 A4U84 RS07560 WP 021112712.1	VEIYGPESSGKTTTLSL	IAQAQKGNKTCFAFIDAEHALDPVYARNLGVNTDELLISQPDNGEQALEICDALVRSGAVDVI	157
NTDB id 1165 A1552VC RS01565 WP 000344154.1	VEIFGPESSGKTTTLEL	IAAAQREGKTCFAFIDAEHALDPVYAKKLGVNIDELLSQPDTEGEQALEICDALARSGAVDVI	140
NTDB id 1142 GTF74 RS11550 WP 000344154.1	VEIFGPESSGKTTTLEL	IAAAQREGKTCFAFIDAEHALDPVYAKKLGVNIDELLSQPDTEGEQALEICDALARSGAVDVI	140
NTDB id 1205 PSJM300 05545 AFN77183.1	VEIYGPESSGKTTTL	LSVIAAAQRMGSTCAFVDAEHALDPDYAGKLGVNVDLLVSQPDTEGEQALEITDMLVRSNAVDVI	140
NTDB id 1022 ACIAD RS06390 WP 004925639.1	VEIYGPESSGKTTMTL	QAIAQCQKAGGTCFAFIDAEHALDPQYARKLGVDIDNLLVSQPDHGEQALEIADMLVRSGATDLI	140
NTDB id 1074 ABD1 RS10195 WP 000344167.1	IEIYGPESSGKTTMTL	QAIAQCQKSGGTCFAFIDAEHALDPQYARKLGVDIDNLLVSQPDNGEQALEIADMLVRSGATDLI	140
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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 499 SM12261 RS08315 WP 078228268.1
 NTDB id 527 SMSK321 RS11065 WP 001085454.1
 NTDB id 408 SMU RS09530 WP 002262392.1
 NTDB id 453 Spy49 1753c ACI62003.1
 NTDB id 115 BSU 16940 NP 389576.2
 NTDB id 625 LCA RS02525 WP 011374196.1
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 NTDB id 1245 Cj1673c YP 002345041.1
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 NTDB id 1334 RAOC RS04870 WP 004918236.1
 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 63910 X636 RS20525 WP 023594263.1
 NTDB id 1427 RS RS02760 WP 011000510.1
 NTDB id 1389 A4U84 RS07560 WP 021112712.1
 NTDB id 1165 A1552VC RS01565 WP 000344154.1
 NTDB id 1142 GTF74 RS11550 WP 000344154.1
 NTDB id 1205 PSJM300 05545 AFN77183.1
 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 499 SM12261 RS08315 WP 078228268.1	EE	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EE	384
NTDB id 408 SMU RS09530 WP 002262392.1	..	383
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NTDB id 1211 C694 RS00795 WP 000963128.1	..	347
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NTDB id 1334 RAOC RS04870 WP 004918236.1	..	343
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consensus

 non conserved
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 ≥ 50% conserved