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NTDB id 600 KW2 RS01765 WP 011675413.1	VVDSVAALVPKAEIDGDI	GDS	SVGLQAR	MSQAMRKL	AGH	INKTKT	IAIFINQL	REKVGVM	FCGSPETTP	GGRALKFYA	233
NTDB id 269 KZH43 RS08665 WP 001085462.1	VVDSVAALVPRAEIDGDI	GDSHVGLQAR	MSQAMRKL	GAS	INKTKT	IAIFINQL	REKVGVM	FCNPETTP	GGRALKFYA		232
NTDB id 228 SPD RS09265 WP 001085462.1	VVDSVAALVPRAEIDGDI	GDSHVGLQAR	MSQAMRKL	GAS	INKTKT	IAIFINQL	REKVGVM	FCNPETTP	GGRALKFYA		232
NTDB id 194 SPR RS08825 WP 001085462.1	VVDSVAALVPRAEIDGDI	GDSHVGLQAR	MSQAMRKL	GAS	INKTKT	IAIFINQL	REKVGVM	FCNPETTP	GGRALKFYA		232
NTDB id 159 SP RS09750 WP 001085462.1	VVDSVAALVPRAEIDGDI	GDSHVGLQAR	MSQAMRKL	GAS	INKTKT	IAIFINQL	REKVGVM	FCNPETTP	GGRALKFYA		232
NTDB id 527 SMSK321 RS11065 WP 001085454.1	VVDSVAALVPRAEIDGDI	GDSHVGLQAR	MSQAMRKL	GAS	INKTKT	IAIFINQL	REKVGVM	FCNPETTP	GGRALKFYA		232
NTDB id 499 SM12261 RS08315 WP 078228268.1	VVDSVAALVPRAEIDGDI	GDSHVGLQAR	MSQAMRKL	GAS	INKTKT	IAIFINQL	REKVGVM	FCNPETTP	GGRALKFYA		232
NTDB id 453 Spy49 1753c ACI62003.1	VVDSVAALVPRAEIDGDI	GDSHVGLQAR	MSQAMRKL	SAS	INKTKT	IAIFINQL	REKVGVM	FCNPETTP	GGRALKFYA		232
NTDB id 408 SMU RS09530 WP 002262392.1	VVDSVAALVPRAEIDGDI	GDSHVGLQAR	MSQAMRKL	SAS	INKTKT	IAIFINQL	REKVGIM	FCNPETTP	GGRALKFYS		232
NTDB id 115 BSU 16940 NP 389576.2	VVDSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLSGAINKSKTIAIFINQLREKVGVMFCGSPETTPGGRALKFYS										217
NTDB id 625 LCA RS02525 WP 011374196.1	LVVDSVAALVPRAEIEGEMGDAHVGLQARLMSQALRKLSGTINKTKTIAIFINQLREKVGVMFCGSPETTPGGRALKFYS										219
NTDB id 1313 DR RS12030 WP 010888966.1	VVDSVAALTPRAEIEGDMGDSLPLGLQARLMSQALRKLTALISKTGTAAIFINQLREKVGVMFCGSPETTPGGRALKFYA										231
NTDB id 1245 Cj1673c YP 002345041.1	IVVDSVAALTPKAEIEGDMGDQHVGLQARLMSQALRKLTGIVHKMNTTVIFINQLRMKIGAMGYCTPETTTGGNALKFYA										219
NTDB id 1214 NCTC11637 00359 SQJ03206.1	VVDSVAALTPKAEIDGDMGDQHVGLQARLMSHALRKITGVLHKMNTTLIFINQLRMKIGMGMGYGSPETTTGGNALKFYA										221
NTDB id 1211 C694 RS00795 WP 000963128.1	VVDSVAALTPKAEIDGDMGDQHVGLQARLMSHALRKITGVLHKMNTTLIFINQLRMKIGMGMGYGSPETTTGGNALKFYA										221
NTDB id 1334 RAOC RS04870 WP 004918236.1	VVDSVAALTPKAEIDGDMGDSKMLHARLMSQALRKLTSSISKTKCTVIFINQLRDKIGVMFCGSPETTTGGNALKFYA										227
NTDB id 1389 A4U84 RS07560 WP 021112712.1	ITVDSVAALTPKAEIEGDMGDSHMLGLQARLMSQALRKLTANINKTNTLVVFINQLRMKIGVMFCGSPETTTGGNALKFYA										235
NTDB id 1130 NGFG RS03960 WP 003688695.1	VVDSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLTGHIKKTNTLVVFINQLRMKIGVMFCGSPETTTGGNALKFYS										219
NTDB id 1124 NGFG RS03960 WP 003688695.1	VVDSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLTGHIKKTNTLVVFINQLRMKIGVMFCGSPETTTGGNALKFYS										219
NTDB id 1123 OK783 RS03845 WP 003688695.1	VVDSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLTGHIKKTNTLVVFINQLRMKIGVMFCGSPETTTGGNALKFYS										219
NTDB id 1427 RS RS02760 WP 011000510.1	IVDSVAALVPKAEIEGEMGDALPLGLQARLMSQALRKLTGTIKRTNCLVIFINQLRMKIGVMFCGSPETTTGGNALKFYA										227
NTDB id 1150360 DG357 RS17835 WP 028014189.1	ITVDSVAALTPKAEIEGDI	GDSHMLGLAAR	MSQAMRKL	AGNLKQSN	TL	IFINQL	RMKIGVM	FCNPETTP	GGRALKFYA		220
NTDB id 1165 A1552VC RS01565 WP 000344154.1	IVVDSVAALTPKAEIEGEMGDSHMLGLQARLMSQAMRKL	TGNL	KQSN	NC	MC	IFINQL	RMKIGVM	FCNPETTP	GGRALKFYA		218
NTDB id 1142 GTF74 RS11550 WP 000344154.1	IVVDSVAALTPKAEIEGEMGDSHMLGLQARLMSQAMRKL	TGNL	KQSN	NC	MC	IFINQL	RMKIGVM	FCNPETTP	GGRALKFYA		218
NTDB id 1205 PSJM300 05545 AFN77183.1	ITVDSVAALVPKAEIEGEMGDAHVGLQARLMSQALRKITGNLKNANCLVIFINQLRMKIGVMFCGSPETTTGGNALKFYA										218
NTDB id 1022 ACIAD RS06390 WP 004925639.1	IVVDSVAALTPKAEIEGEMGDSHMLGLQARLMSQALRKITGNAKRSNCMVIFINQLRMKIGVMFCGSPETTTGGNALKFYA										218
NTDB id 1074 ABD1 RS10195 WP 000344167.1	LVVDSVAALTPKAEIEGEMGDSHMLGLQARLMSQALRKITGNAKRSNCMVIFINQLRMKIGVMFCGSPETTTGGNALKFYA										218
consensus	***!!!!!!	!*!!!!	*!!!*	***!!	***!!	***!!	***!!	* ** *	* ** *	* ** *	!!!!!!*! !*!!*! *! !!!*! !! !!!!!*

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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 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
 NTDB id 1313 DR RS12030 WP 010888966.1
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 NTDB id 1214 NCTC11637 00359 SQJ03206.1
 NTDB id 1211 C694 RS00795 WP 000963128.1
 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 1150360 DG357 RS17835 WP 028014189.1
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 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
 consensus



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NTDB id 269 KZH43 RS08665 WP 001085462.1 IEE 388
NTDB id 228 SPD RS09265 WP 001085462.1 IEE 388
NTDB id 194 SPR RS08825 WP 001085462.1 IEE 388
NTDB id 159 SP RS09750 WP 001085462.1 IEE 388
NTDB id 527 SMSK321 RS11065 WP 001085454.1 IEE 384
NTDB id 499 SM12261 RS08315 WP 078228268.1 IEE 384
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consensus
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 non conserved
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