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NTDB id 600 KW2 RS01765 WP 011675413.1	VEIYGPESSGKTTVALHAVA	AAVQKEGGIAAFIDAENALDPEYAKALGVMIDELLISQPDYGEQGLQIAEKLITSGAVDLV	155
NTDB id 269 KZH43 RS08665 WP 001085462.1	VEIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDAEEHALDPAYAAALGVMIDELLISQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 228 SPD RS09265 WP 001085462.1	VEIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDAEEHALDPAYAAALGVMIDELLISQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 194 SPR RS08825 WP 001085462.1	VEIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDAEEHALDPAYAAALGVMIDELLISQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 159 SP RS09750 WP 001085462.1	VEIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDAEEHALDPAYAAALGVMIDELLISQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 527 SMSK321 RS11065 WP 001085454.1	VEIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDAEEHALDPAYAAALGVMIDELLISQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 499 SM12261 RS08315 WP 078228268.1	VEIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDAEEHALDPAYAAALGVMIDELLISQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 453 Spy49 1753c ACI62003.1	VEIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDAEEHALDPAYAAALGVMIDELLISQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 408 SMU RS09530 WP 002262392.1	VEIYGPESSGKTTVALHAVA	QAQKDGGAFAAFIDAEEHALDPAYAAALGVMIDELLISQPDSGEQGLEIAGKLIDSGAVDLV	154
NTDB id 115 BSU 16940 NP 389576.2	VEIYGPESSGKTTVALHAVA	AEVQQQGGQAFAFIDAEEHALDPVYAKLGVMTDELLISQPDIGEQALETAEALVRSGAVDIV	139
NTDB id 625 LCA RS02525 WP 011374196.1	VEIYGPESSGKTTVALHAVA	AEVQKGGTAAYIDAENAMDPKYATALGVMTDELLISQPDIGEQALETADALVSSGAVDIL	141
NTDB id 1313 DR RS12030 WP 010888966.1	TEIYGPESSGKTTVALHAVA	AEVQKAGGTCFAFIDAEEHALDPVYARALGVMIDELLISQPDNGEQALETMELLVRSGAIDVV	153
NTDB id 1245 Cj1673c YP 002345041.1	VEIYGPESSGKTTVALHAVA	AEVQKAGGTCFAFIDAEEHALDPVYAKNLGVMTDELLISQPDFGEQALETIVETIARSGAVDLI	140
NTDB id 1211 C694 RS00795 WP 000963128.1	VEIYGPESSGKTTVALHAVA	AEVQKNGGVCFAFIDAEEHALDVHYAKRLGVDTENLLISQPDIGEQALETETITRSGGIDLIV	142
NTDB id 1214 NCTC11637 00359 SQJ03206.1	VEIYGPESSGKTTVALHAVA	AEVQKNGGVCFAFIDAEEHALDVHYAKRLGVDTENLLISQPDIGEQALETETITRSGGIDLIV	142
NTDB id 1334 RAOC RS04870 WP 004918236.1	VEIYGPESSGKTTVALHAVA	AEVQKNGGTCFAFIDAEEHALDVMHYAEKLGINLEELIVSQPDNGEQALETADSLTRSGGVDIV	149
NTDB id 1122311 EL199 RS01050 WP 004141173.1	VEIYGPESSGKTTVALHAVA	AEVQKAGGTAFAFIDAEEHALDPIYARKLGVMIDELLISQPDIGEQALETADALVRSGAFSIVI	145
NTDB id 1389 A4U84 RS07560 WP 021112712.1	VEIYGPESSGKTTVALHAVA	AEVQKNGKTCFAFIDAEEHALDPVYARNLGVMIDELLISQPDNGEQALETCDALVRSGAVDIV	157
NTDB id 1130 NGFG RS03960 WP 003688695.1	VEIFGPESSGKTTVALHAVA	AEVQKNGGVCFAFIDAEEHALDVHYAKRLGVKVEELYSQPDIGEQALETCDTLVRSGGIDMV	141
NTDB id 1124 NGFG RS03960 WP 003688695.1	VEIFGPESSGKTTVALHAVA	AEVQKNGGVCFAFIDAEEHALDVHYAKRLGVKVEELYSQPDIGEQALETCDTLVRSGGIDMV	141
NTDB id 1123 OK783 RS03845 WP 003688695.1	VEIFGPESSGKTTVALHAVA	AEVQKNGGVCFAFIDAEEHALDVHYAKRLGVKVEELYSQPDIGEQALETCDTLVRSGGIDMV	141
NTDB id 1427 RS RS02760 WP 011000510.1	VEIYGPESSGKTTVALHAVA	AEVQKNGGTCFAFIDAEEHALDVTYADKLGVKVDPDLLISQPDIGEQALETADALVRSGSVDLI	149
NTDB id 1165 A1552VC RS01565 WP 000344154.1	VEIFGPESSGKTTVALHAVA	AEVQKRECKTCFAFIDAEEHALDPVYAKKLGVMIDELLISQPDIGEQALETCDALARSGAVDIV	140
NTDB id 1142 GTF74 RS11550 WP 000344154.1	VEIFGPESSGKTTVALHAVA	AEVQKRECKTCFAFIDAEEHALDPVYAKKLGVMIDELLISQPDIGEQALETCDALARSGAVDIV	140
NTDB id 1022 ACIAD RS06390 WP 004925639.1	VEIYGPESSGKTTVALHAVA	AEVQKAGGTCFAFIDAEEHALDPYARKLGVDIDNLLISQPDHGEQALETADMLVRSGAIDLI	140
NTDB id 1074 ABD1 RS10195 WP 000344167.1	VEIYGPESSGKTTVALHAVA	AEVQKAGGTCFAFIDAEEHALDPYARKLGVDIDNLLISQPDNGEQALETADMLVRSGAIDLI	140
NTDB id 1205 PSJM300 05545 AFN77183.1	VEIYGPESSGKTTVALHAVA	AEVQKRMGSTCAFVDAEEHALDPDYAGKLGVMVDLLISQPDIGEQALETDMIVRSNAVDVI	140
consensus		*!***!!!!*!!!!* ! **! !* ** !***!!!!*!* !! !!****!****!!!!*!!!!*!*! * ****!*****	

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NTDB id 600 KW2 RS01765 WP 011675413.1	V	I	D	S	V	A	A	L	V	P	K	A	E	I	D	G	E	I	G	D	S	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	A	C	H	I	N	K	T	K	T	T	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	S	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	S	234		
NTDB id 269 KZH43 RS08665 WP 001085462.1	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	D	I	G	D	S	H	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	T	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	S	233	
NTDB id 228 SPD RS09265 WP 001085462.1	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	D	I	G	D	S	H	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	T	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	S	233	
NTDB id 194 SPR RS08825 WP 001085462.1	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	D	I	G	D	S	H	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	T	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	S	233	
NTDB id 159 SP RS09750 WP 001085462.1	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	D	I	G	D	S	H	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	T	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	S	233	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	D	I	G	D	S	H	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	T	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	S	233	
NTDB id 499 SM12261 RS08315 WP 078228268.1	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	D	I	G	D	S	H	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	T	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	S	233	
NTDB id 453 Spy49 1753c ACI62003.1	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	D	I	G	D	S	H	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	S	A	S	I	N	K	T	K	T	T	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	S	233	
NTDB id 408 SMU RS09530 WP 002262392.1	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	D	I	G	D	S	H	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	S	A	S	I	N	K	T	K	T	T	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	S	233		
NTDB id 115 BSU 16940 NP 389576.2	V	V	D	S	V	A	A	L	V	P	K	A	E	I	E	G	D	M	G	D	S	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	S	G	A	I	N	K	S	K	T	T	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	S	218	
NTDB id 625 LCA RS02525 WP 011374196.1	V	V	D	S	V	A	A	L	V	P	R	A	E	I	E	E	G	M	G	D	A	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	S	G	T	I	N	K	T	K	T	T	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	V	T	P	G	G	R	A	L	K	F	Y	S	220	
NTDB id 1313 DR RS12030 WP 010888966.1	V	V	D	S	V	A	A	L	T	P	R	A	E	I	E	G	D	M	G	D	S	L	P	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	A	I	L	S	K	T	G	T	A	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	Y	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	S	232
NTDB id 1245 Cj1673c YP 002345041.1	V	V	D	S	V	A	A	L	T	P	K	A	E	I	E	G	D	M	G	D	Q	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	G	I	V	H	K	M	N	T	V	I	F	I	N	Q	L	R	M	K	I	G	A	M	G	Y	C	T	P	E	T	T	P	G	G	N	A	L	K	F	Y	A	S	220	
NTDB id 1211 C694 RS00795 WP 000963128.1	V	V	D	S	V	A	A	L	T	P	K	A	E	I	D	G	D	M	G	D	Q	H	V	G	L	Q	A	R	L	M	S	H	A	L	R	K	I	T	G	V	L	H	K	M	N	T	L	I	F	I	N	Q	L	R	M	K	I	G	M	G	Y	G	S	P	E	T	T	P	G	G	N	A	L	K	F	Y	A	S	222		
NTDB id 1214 NCTC11637 00359 SQJ03206.1	V	V	D	S	V	A	A	L	T	P	K	A	E	I	D	G	D	M	G	D	Q	H	V	G	L	Q	A	R	L	M	S	H	A	L	R	K	I	T	G	V	L	H	K	M	N	T	L	I	F	I	N	Q	L	R	M	K	I	G	M	G	Y	G	S	P	E	T	T	P	G	G	N	A	L	K	F	Y	A	S	222		
NTDB id 1334 RAOC RS04870 WP 004918236.1	V	V	D	S	V	A	A	L	T	P	K	A	E	I	D	G	D	M	G	D	S	K	M	G	L	H	A	R	L	M	S	Q	A	L	R	K	L	T	S	S	I	S	K	T	K	C	T	V	I	F	I	N	Q	L	R	D	K	I	G	V	M	.	F	G	S	P	E	T	T	P	G	G	N	A	L	K	F	Y	A	S	228
NTDB id 1122311 EL199 RS01050 WP 004141173.1	V	I	D	S	V	A	A	L	T	P	K	A	E	I	E	E	G	M	G	D	S	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	A	N	I	K	E	A	N	T	L	V	I	F	I	N	Q	L	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	P	G	G	N	A	L	K	F	Y	A	S	224
NTDB id 1389 A4U84 RS07560 WP 021112712.1	I	V	D	S	V	A	A	L	T	P	K	A	E	I	E	G	D	M	G	D	S	H	M	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	A	N	I	K	N	T	N	C	L	V	V	F	I	N	Q	L	R	M	K	I	G	V	M	.	F	G	N	P	E	T	T	P	G	G	N	A	L	K	F	Y	A	S	236
NTDB id 1130 NGFG RS03960 WP 003688695.1	V	V	D	S	V	A	A	L	V	P	K	A	E	I	E	G	D	M	G	D	S	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	G	H	I	K	K	T	N	T	L	V	V	F	I	N	Q	L	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	P	G	G	N	A	L	K	F	Y	S	220	
NTDB id 1124 NGFG RS03960 WP 003688695.1	V	V	D	S	V	A	A	L	V	P	K	A	E	I	E	G	D	M	G	D	S	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	G	H	I	K	K	T	N	T	L	V	V	F	I	N	Q	L	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	P	G	G	N	A	L	K	F	Y	S	220	
NTDB id 1123 OK783 RS03845 WP 003688695.1	V	V	D	S	V	A	A	L	V	P	K	A	E	I	E	G	D	M	G	D	S	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	G	H	I	K	K	T	N	T	L	V	V	F	I	N	Q	L	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	P	G	G	N	A	L	K	F	Y	S	220	
NTDB id 1427 RS RS02760 WP 011000510.1	V	I	D	S	V	A	A	L	V	P	K	A	E	I	E	E	G	M	G	D	A	L	P	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	G	T	I	K	E	T	N	C	L	V	I	F	I	N	Q	L	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	P	G	G	N	A	L	K	F	Y	A	S	228
NTDB id 1165 A1552VC RS01565 WP 000344154.1	V	V	D	S	V	A	A	L	T	P	K	A	E	I	E	E	G	M	G	D	S	H	M	G	L	Q	A	R	L	M	S	Q	A	M	R	K	L	T	G	N	L	K	Q	S	N	C	M	C	I	F	I	N	Q	L	R	M	K	I	G	V	M	.	F	G	N	P	E	T	T	P	G	G	N	A	L	K	F	Y	A	S	219
NTDB id 1142 GTF74 RS11550 WP 000344154.1	V	V	D	S	V	A	A	L	T	P	K	A	E	I	E	E	G	M	G	D	S	H	M	G	L	Q	A	R	L	M	S	Q	A	M	R	K	L	T	G	N	L	K	Q	S	N	C	M	C	I	F	I	N	Q	L	R	M	K	I	G	V	M	.	F	G	N	P	E	T	T	P	G	G	N	A	L	K	F	Y	A	S	219
NTDB id 1022 ACIAD RS06390 WP 004925639.1	V	V	D	S	V	A	A	L	T	P	K	A	E	I	E	E	G	M	G	D	S	H	M	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	G	N	A	K	R	S	N	C	M	V	I	F	I	N	Q	L	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	P	G	G	N	A	L	K	F	Y	A	S	219
NTDB id 1074 ABD1 RS10195 WP 000344167.1	V	V	D	S	V	A	A	L	T	P	K	A	E	I	E	E	G	M	G	D	S	H	M	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	G	N	A	K	R	S	N	C	M	V	I	F	I	N	Q	L	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	P	G	G	N	A	L	K	F	Y	A	S	219
NTDB id 1205 PSJM300 05545 AFN77183.1	I	V	D	S	V	A	A	L	V	P	K	A	E	I	E	E	G	M	G	D	A	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	G	N	I	K	N	A	N	C	L	V	I	F	I	N	Q	L	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	P	G	G	N	A	L	K	F	Y	A	S	219
consensus	**	!	!	!	!																																																																												

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NTDB id 600 KW2 RS01765 WP 011675413.1	EKIGGQAEKAKNYLKEHQDVFEIDHKVRAAHGILDDSEVAETEEETTASKTAKAKAKKEEKAVETEEIELELED.....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	EKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFCIDGEEVSEQDTENKKDE...PKKEEA..VNEEVPLDLGDELEIEI	386
NTDB id 228 SPD RS09265 WP 001085462.1	EKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFCIDGEEVSEQDTENKKDE...PKKEEA..VNEEVPLDLGDELEIEI	386
NTDB id 194 SPR RS08825 WP 001085462.1	EKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFCIDGEEVSEQDTENKKDE...PKKEEA..VNEEVPLDLGDELEIEI	386
NTDB id 159 SP RS09750 WP 001085462.1	EKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFCIDGEEVSEQDTENKKDE...PKKEEA..VNEEVPLDLGDELEIEI	386
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EKIGQGSENAKKYLADNPEVFAEIDHQVVRVQFCIDGEEAAE...SKKDE...VAQVDS..VNEEVTLDLGDELEIEI	382
NTDB id 499 SM12261 RS08315 WP 078228268.1	EKIGQGSENAKKYLADNPEIFDEIDHQVVRVQFCIDGEEIAE...SKKDE...AAQVDS..VNEEVTLDLGDELEIEI	382
NTDB id 453 Spy49 1753c ACI62003.1	EKIGQGSENAKRYLADHPQLFDEIDRKRVRVKFGLLEESEESAMAVASE.....E.....TDDLALDLNNGIEIED	378
NTDB id 408 SMU RS09530 WP 002262392.1	EKIGQGSENAKKFLADNPEIFDDIDHKVVRVQFCILEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELED	383
NTDB id 115 BSU 16940 NP 389576.2	ERLGGGRENAAKQFLKENKDIMLMIQEQRREHYGLDNNGVVQQQAEETQEL.EFE.E.....TDDLALDLNNGIEIED	348
NTDB id 625 LCA RS02525 WP 011374196.1	ERIGQGRENAAKNYLADHEDVEDEVRLKVRAAAYGISDVPEEDLPTTEDE.QI.NILPDDST.....EE.....	355
NTDB id 1313 DR RS12030 WP 010888966.1	ERIGQCKEKTIAIYIAERPMEQEIRDRVMAAIRAGNAGEAPALA.PAPAAP.....EAAEA.....	363
NTDB id 1245 Cj1673c YP 002345041.1	KKLGGGRENAAKFLKENPEIADEITKATQNSMCIEGMISGSED..DEGE.....	343
NTDB id 1211 C694 RS00795 WP 000963128.1	KKLGGGRENAAKALLKEDKALADEITLTKIKESIGSNEEIMPLPD..EPLEEM.....E.....	347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	KKLGGGRENAAKALLKEDKALADEITLTKIKESIGSNEEIMPLPD..EPLEEM.....E.....	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	TKLGGGRDTPVKELIKDNPEIAEELAKIREKLQAK.....	343
NTDB id 1122311 EL199 RS01050 WP 004141173.1	DKIGQCKEKVRAVLTTEKPEIAAEIEAKIREHYIGNAHAELPVSK.DSGDDA.....EASEA.....PVTGDNELF...	363
NTDB id 1389 A4U84 RS07560 WP 021112712.1	TKIGQGKNNAVKWLKENPEIADKLEQETRNTLASNPNSVLKATASDSNDES.....DVEEF.....SEE...EL....	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	AKIGQKDNVVRVWLKENPEISDEIDAKTRALNCVEMHITEGTQDETGDGER.....PEE.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	AKIGQKDNVVRVWLKENPEISDEIDAKTRALNCVEMHITEGTQDETGDGER.....PEE.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	AKIGQKDNVVRVWLKENPEISDEIDAKTRALNCVEMHITEGTQDETGDGER.....PEE.....	348
NTDB id 1427 RS RS02760 WP 011000510.1	ERIGQGRDNCREFLRENAEILAREIENKVRHLGVTPMGAVTLA.EEVEED.....	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	DKIGQCKANACKYLLKENPEIAKTLDKKLREMLLNPNENMQLIAETSSAADDV.....EFGAV.....PEE...F.....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	DKIGQCKANACKYLLKENPEIAKTLDKKLREMLLNPNENMQLIAETSSAADDV.....EFGAV.....PEE...F.....	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	NKIGQCKNNVIRYLEENPCISTEIEAVIREQLLTKASDQTA.A.HDETEEP.....DLL.....ES.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	NKIGQCKNNVIRYFEENQIAEIEIERNIREQLLTTGTNGAVQ.I.EDEEIP.....DLL.....LES.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	SKIGQCKANAACKYLEENPEIGQEIEQQIRAKLLVTSANTKATPVAEDLADA.....DI.....	347
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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
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consensus
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⊠ non conserved
⊠ similar
⊠ ≥ 50% conserved