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NTDB id 131835 NJ69 RS19540 WP 039582439.1	MTELSKVPVTELKGVGEAMAEKLAKVGLENLQDLLFHLPLRYQDRTRVVP	IGALRPGQDAV	IEGVVSGADVTM	GKRRSLV	80
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NTDB id 228 SPD RS09265 WP 001085462.1	MAKK.....PKKLEEI.....SK.....	KFGAEREKALNDAL	KLIEKDFGK..GSI	39	
NTDB id 194 SPR RS08825 WP 001085462.1	MAKK.....PKKLEEI.....SK.....	KFGAEREKALNDAL	KLIEKDFGK..GSI	39	
NTDB id 159 SP RS09750 WP 001085462.1	MAKK.....PKKLEEI.....SK.....	KFGAEREKALNDAL	KLIEKDFGK..GSI	39	
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NTDB id 527 SMSK321 RS11065 WP 001085454.1	MAKK.....PKKLDEI.....SK.....	KFGAEREKALNDAL	KLIEKDFGK..GSI	39	
NTDB id 453 Spy49 1753c ACI62003.1	MAKK.....LKKNEEI.....TK.....	KFGDERRKALDDAL	KNIEKDFGK..GAV	39	
NTDB id 408 SMU RS09530 WP 002262392.1	MAKR.....IKKTEEI.....TK.....	KFGDERKKALDDAL	KNIEKDFGK..GAV	39	
NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMAL	KQIEKQFGK..GSI	24		
NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAAL	KKIEKNFGK..GSI	26		
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEIS....AP.....	TDAKERSKATETAM	SQIEKAFGK..GSI	38	
NTDB id 1245 Cj1673c YP 002345041.1	MDDNKRKSLDAAL	KSLDKTFGK..GTI	25		
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NTDB id 1130 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALA	QIEKSFGK..GAI	25		
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NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKSKALAAALA	QIEKSFGK..GAI	25		
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKSALQAALS	QIEKQFGK..NTV	25		
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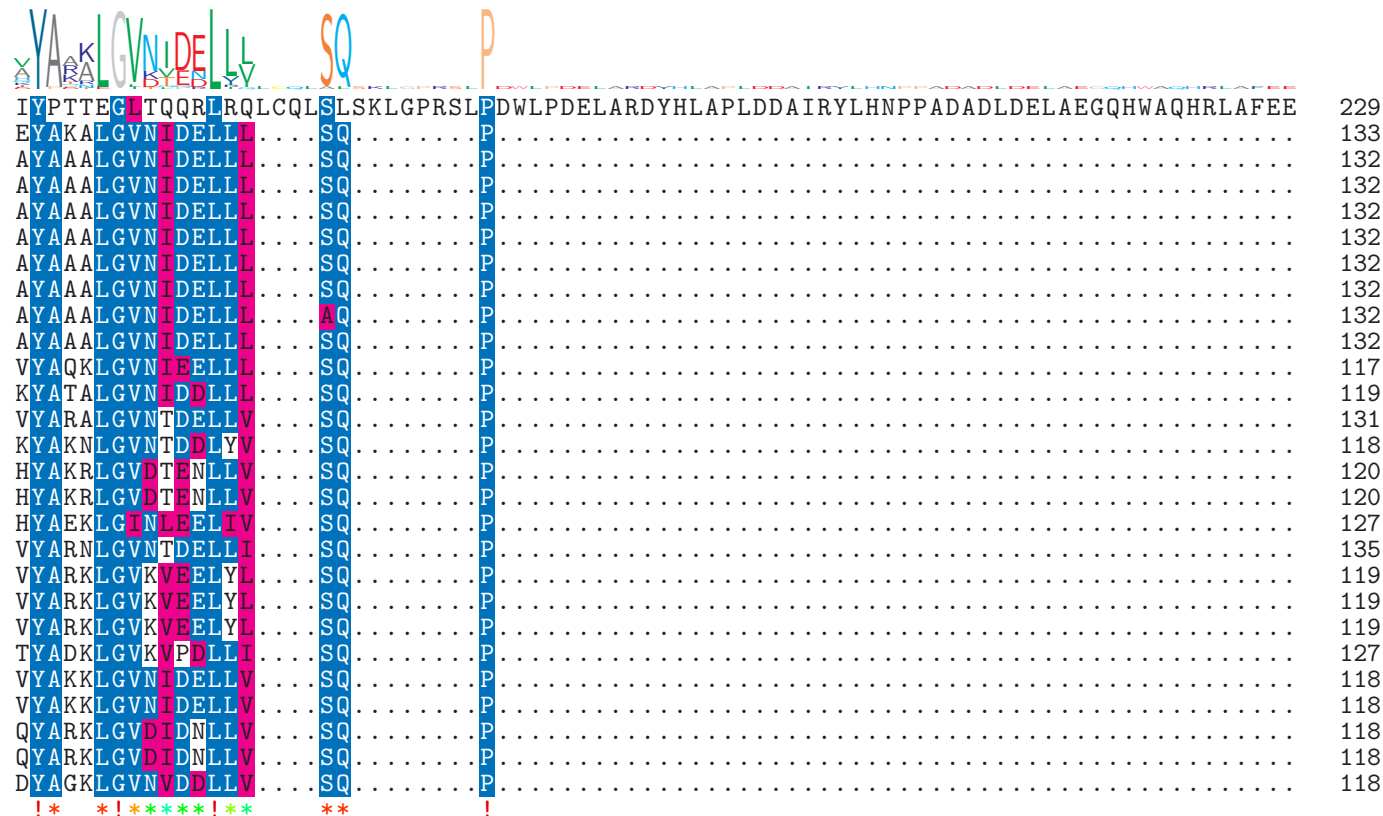
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NTDB id 228 SPD RS09265 WP 001085462.1	MRLG	ER	.AEQK	VQVM	SSGSL	ALDI		ALGSGG	YPKGR	IVEI	YGP	ESSGKTT	VALHAVA	QAQKEGG	I	AAFIDA	EAHALDP	114				
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consensus		***!***!*****	*	***	!*****!*****!*	*****!*****!*****!*	*****!*****!*****!*	*****!*****!*****!*	*****!*****!*****!*	*****!*****!*****!*	*****!*****!*****!*	*****!*****!*****!*	*****!*****!*****!*	*****!*****!*****!*	

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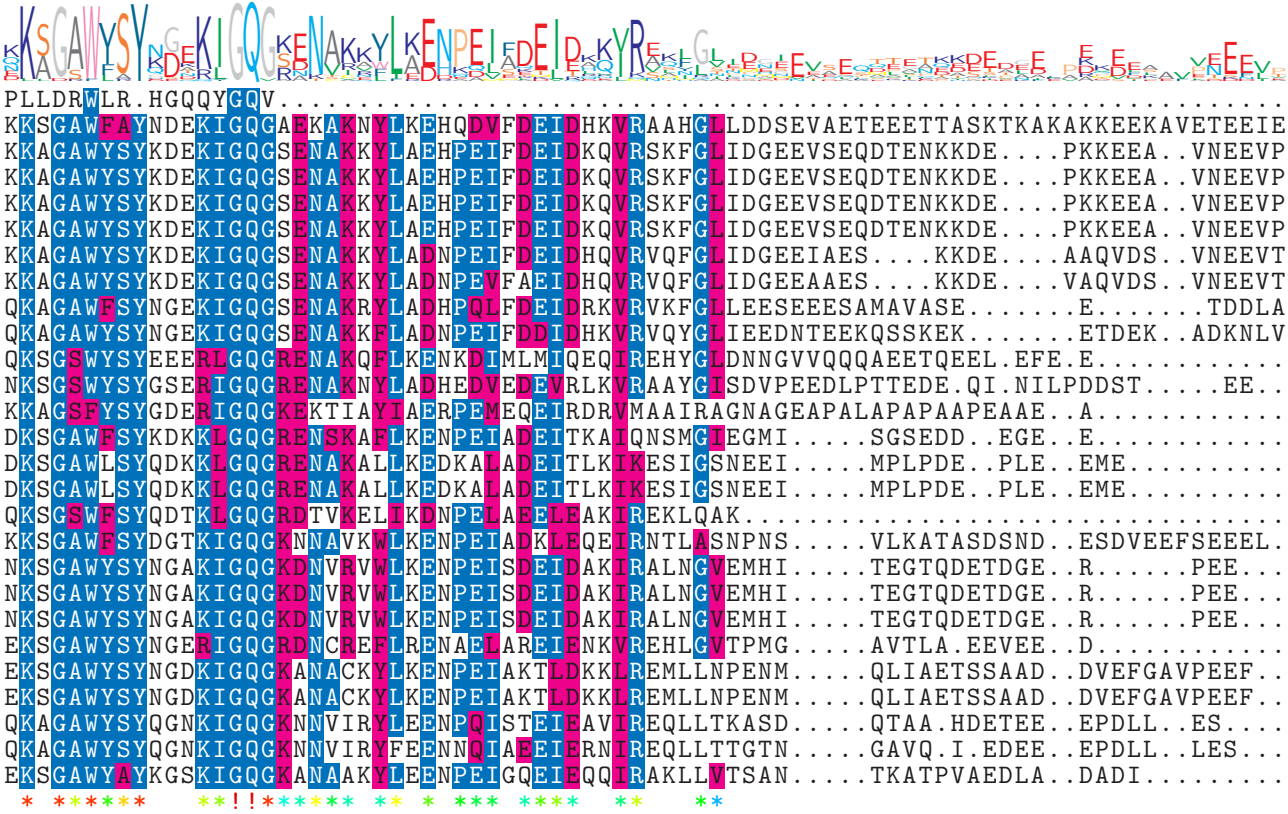
NTDB id 131835 NJ69 RS19540 WP 039582439.1	LLVATTVIEVGVDVPNASLMIIENPERLGLAQLHQ	LRGRVGRGSAASHC	VLLYHPPLSQIGRERL	IGTMR	ETNDG	618
NTDB id 600 KW2 RS01765 WP 011675413.1	KL	AGH	INKTKTTAIFINQ	LREKVGVM	FGSPETTPGGR	227
NTDB id 269 KZH43 RS08665 WP 001085462.1	KL	GAS	INKTKTTAIFINQ	LREKVGVM	FGNPETTPGGR	226
NTDB id 228 SPD RS09265 WP 001085462.1	KL	GAS	INKTKTTAIFINQ	LREKVGVM	FGNPETTPGGR	226
NTDB id 194 SPR RS08825 WP 001085462.1	KL	GAS	INKTKTTAIFINQ	LREKVGVM	FGNPETTPGGR	226
NTDB id 159 SP RS09750 WP 001085462.1	KL	GAS	INKTKTTAIFINQ	LREKVGVM	FGNPETTPGGR	226
NTDB id 499 SM12261 RS08315 WP 078228268.1	KL	GAS	INKTKTTAIFINQ	LREKVGVM	FGNPETTPGGR	226
NTDB id 527 SMSK321 RS11065 WP 001085454.1	KL	GAS	INKTKTTAIFINQ	LREKVGVM	FGNPETTPGGR	226
NTDB id 453 Spy49 1753c ACI62003.1	KL	SAS	INKTKTTAIFINQ	LREKVGVM	FGNPETTPGGR	226
NTDB id 408 SMU RS09530 WP 002262392.1	KL	SAS	INKTKTTAIFINQ	LREKVGIM	FGNPETTPGGR	226
NTDB id 115 BSU 16940 NP 389576.2	KL	SGA	INKSKTTAIFINQ	IREKVGVM	FGNPETTPGGR	211
NTDB id 625 LCA RS02525 WP 011374196.1	KL	SGT	INKTKTTALFINQ	IREKVGVM	FGNPEVTPGGR	213
NTDB id 1313 DR RS12030 WP 010888966.1	KL	TAI	LSKTGTAAIFINQ	VREKIGVM	YGNPETTTGGR	225
NTDB id 1245 Cj1673c YP 002345041.1	KL	TGI	VHKMNTTVIFINQ	IRMKIGAMGY	GTPETTTGGN	213
NTDB id 1214 NCTC11637 00359 SQJ03206.1	KI	TGV	LHKMNTTLIFINQ	IRMKIGMMGY	GSPETTTGGN	215
NTDB id 1211 C694 RS00795 WP 000963128.1	KI	TGV	LHKMNTTLIFINQ	IRMKIGMMGY	GSPETTTGGN	215
NTDB id 1334 RAOC RS04870 WP 004918236.1	KL	TSS	ISKTKCTVIFINQ	LRDKIGVM	FGSPETTTGGN	221
NTDB id 1389 A4U84 RS07560 WP 021112712.1	KL	TAN	IKNTNCLVVFINQ	IRMKIGVM	FGNPETTTGGN	229
NTDB id 1130 NGFG RS03960 WP 003688695.1	KL	TGH	IKKTNTLVVFINQ	IRMKIGVM	FGSPETTTGGN	213
NTDB id 1124 NGFG RS03960 WP 003688695.1	KL	TGH	IKKTNTLVVFINQ	IRMKIGVM	FGSPETTTGGN	213
NTDB id 1123 OK783 RS03845 WP 003688695.1	KL	TGH	IKKTNTLVVFINQ	IRMKIGVM	FGSPETTTGGN	213
NTDB id 1427 RS RS02760 WP 011000510.1	KL	TGT	IKRTNCLVIFINQ	IRMKIGVM	FGSPETTTGGN	221
NTDB id 1165 A1552VC RS01565 WP 000344154.1	KL	TGN	LKQSNCMCIFINQ	IRMKIGVM	FGNPETTTGGN	212
NTDB id 1142 GTF74 RS11550 WP 000344154.1	KL	TGN	LKQSNCMCIFINQ	IRMKIGVM	FGNPETTTGGN	212
NTDB id 1022 ACIAD RS06390 WP 004925639.1	KI	TGN	AKRSNCMVIFINQ	IRMKIGVM	FGSPETTTGGN	212
NTDB id 1074 ABD1 RS10195 WP 000344167.1	KI	TGN	AKRSNCMVIFINQ	IRMKIGVM	FGSPETTTGGN	212
NTDB id 1205 PSJM300 05545 AFN77183.1	KI	TGN	IKNANCLVIFINQ	IRMKIGVM	FGSPETTTGGN	212
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NTDB id 131835 NJ69 RS19540 WP 039582439.1	..FVIAEKDLEIRGPGEMLGTR.....QTGLIQFKVADLMRDADLLPAVRDAAQALLSRWPE.....HVS	676
NTDB id 600 KW2 RS01765 WP 011675413.1	ALKFYASVRLDVRGSTKIEEGS.GDNKTQIGKITIKVVKNKVAPPFKVALVDIMFGE....GISSTGELLNTAVEEGIT	302
NTDB id 269 KZH43 RS08665 WP 001085462.1	ALKFYASVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGE....GISKTGELLKIASDLDI	301
NTDB id 228 SPD RS09265 WP 001085462.1	ALKFYASVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGE....GISKTGELLKIASDLDI	301
NTDB id 194 SPR RS08825 WP 001085462.1	ALKFYASVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGE....GISKTGELLKIASDLDI	301
NTDB id 159 SP RS09750 WP 001085462.1	ALKFYASVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGE....GISKTGELLKIASDLDI	301
NTDB id 499 SM12261 RS08315 WP 078228268.1	ALKFYASVRLDVRGSTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKEAFVEIMYGE....GISKTGELLKIASDLDI	301
NTDB id 527 SMSK321 RS11065 WP 001085454.1	ALKFYASVRLDVRGSTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKEAFVEIMYGE....GISKTGELLKIASDLDI	301
NTDB id 453 Spy49 1753c ACI62003.1	ALKFYASVRLDVRGTTQIKGTG.DQKDSIGKETKIKVVKNKVAPPFKVAEVEIMYGE....GISRTGELVKIASDLDI	301
NTDB id 408 SMU RS09530 WP 002262392.1	ALKFYSSVRLDVRGNTQIKGTG.EQKDSNIGKETKIKVVKNKVAPPFKEAFVEIITYGE....GISRTGELVKIASDLGI	301
NTDB id 115 BSU 16940 NP 389576.2	ALKFYSSVRLEVRRAEQLKQGN.....DVMGNKTKIKVVKNKVAPPFRTAEVDIMYGE....GISKEGEIIDLGTELDI	282
NTDB id 625 LCA RS02525 WP 011374196.1	ALKFYSTVRLEVRRAETIKNGT.....DMIGNRARIKVVKNKVAPPFKVAEVDIMYGG....GISRTGELVDMAVEKDII	284
NTDB id 1313 DR RS12030 WP 010888966.1	ALKFYASVRLDVRKIGQ....PTKVGNDAVANTVKIKTVKNKVAAPFKEVELALVYGK....GFDQLSLVGLAADMDII	297
NTDB id 1245 Cj1673c YP 002345041.1	ALKFYASVRLDVRKVAT....L.KQNEEPIGNRVKVVKNKVAPPFRQAEDVMFGE....GLSREGELIDYGVKLDIV	284
NTDB id 1214 NCTC11637 00359 SQJ03206.1	ALKFYASVRIDIRRIAA....L.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDIMFGE....GISKEGEIIDYGVKLDIV	286
NTDB id 1211 C694 RS00795 WP 000963128.1	ALKFYASVRIDIRRIAS....L.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDIMFGE....GISKEGEIIDYGVKLDIV	286
NTDB id 1334 RAOC RS04870 WP 004918236.1	ALKFYASVRIDIRRLSDTGKIKDKSGEVIGNRTKVVKNKVAPPFKSAEFDIMYGE....GVSKVGEILDVATDLDI	297
NTDB id 1389 A4U84 RS07560 WP 021112712.1	ALKFYASVRDIRRRCGV....V.KDGEIIGSETKVVKNKVAPPFREVQFDIMYGE....GISRMNELLILAEANGFI	300
NTDB id 1130 NGFG RS03960 WP 003688695.1	ALKFYSSVRDIRRRTGS....I.KKGEVLGNETRKKVKNKVAPPFRQAEDDILYGE....GISWEGELIDIGVKNDII	284
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NTDB id 1123 OK783 RS03845 WP 003688695.1	ALKFYSSVRDIRRRTGS....I.KKGEVLGNETRKKVKNKVAPPFRQAEDDILYGE....GISWEGELIDIGVKNDII	284
NTDB id 1427 RS RS02760 WP 011000510.1	ALKFYASVRDIRRIGS....I.KKGEDEVGNETKVVKNKVAPPFREAIFFDILYGA....GVSRGEIIDLGVKAKVV	292
NTDB id 1165 A1552VC RS01565 WP 000344154.1	ALKFYASVRDIRRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGG....GFNREGELIDLGVKHKMV	283
NTDB id 1142 GTF74 RS11550 WP 000344154.1	ALKFYASVRDIRRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGG....GFNREGELIDLGVKHKMV	283
NTDB id 1022 ACIAD RS06390 WP 004925639.1	ALKFYASVRDIRRIGQ....V.KEGDEIIGSETKVVKNKMAAPPFREAIFFQILYGK....GVNQLGELVDLAVQQNIV	283
NTDB id 1074 ABD1 RS10195 WP 000344167.1	ALKFYASVRDIRRIGQ....V.KEGDEIIGSETKVVKNKMAAPPFREAIFFQILYGK....GTNQLGELVDLAVQQDIV	283
NTDB id 1205 PSJM300 05545 AFN77183.1	ALKFYASVRDIRRRTGA....V.KEGDEVVGSSETRKVVKNKVAPPFRQAEDQILYGK....GIYRNGEIIDLGVQQGLV	283
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NTDB id 131835 NJ69 RS19540 WP 039582439.1
NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
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NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 115 BSU 16940 NP 389576.2
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NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
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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
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
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		LDLGDLEIEIEE	
NTDB id 131835 NJ69 RS19540 WP 039582439.1			692
NTDB id 600 KW2 RS01765 WP 011675413.1	LELED.....		387
NTDB id 269 KZH43 RS08665 WP 001085462.1	LDLGDELEIEIEE		388
NTDB id 228 SPD RS09265 WP 001085462.1	LDLGDELEIEIEE		388
NTDB id 194 SPR RS08825 WP 001085462.1	LDLGDELEIEIEE		388
NTDB id 159 SP RS09750 WP 001085462.1	LDLGDELEIEIEE		388
NTDB id 499 SM12261 RS08315 WP 078228268.1	LDLGDELEIEIEE		384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	LDLGDELEIEIEE		384
NTDB id 453 Spy49 1753c ACI62003.1	LDLDNGIEIED..		378
NTDB id 408 SMU RS09530 WP 002262392.1	LELDDTIELED..		383
NTDB id 115 BSU 16940 NP 389576.2			348
NTDB id 625 LCA RS02525 WP 011374196.1			355
NTDB id 1313 DR RS12030 WP 010888966.1			363
NTDB id 1245 Cj1673c YP 002345041.1			343
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NTDB id 1334 RAOC RS04870 WP 004918236.1			343
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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			

-  non conserved
-  similar
-  ≥ 50% conserved