

logo

NTDB id 197075 FAM18149p RS11855 WP 003600065.1	.MAKKT....TAKNDNTKSDAT	DRDTELEKALQK	IKKAFGEGAVMKMGDR	.PELKVDVVS	IGILSLD	LALGVGGLPRGR	73
NTDB id 600 KW2 RS01765 WP 011675413.1	MATKKK....TNFDDITKKYGA	ERDKALADALAL	IEKDFGKGSLMRLGEA	.ANQKVS	VSSGSLALD	IALGAGGYPKGR	74
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKKP....KKLEEISKKFGA	EREKALNDALKL	IEKDFGKGSSIMRLGER	.AEQKVQVM	SSGSLALD	IALGSGGYPKGR	73
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKKP....KKLEEISKKFGA	EREKALNDALKL	IEKDFGKGSSIMRLGER	.AEQKVQVM	SSGSLALD	IALGSGGYPKGR	73
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKKP....KKLEEISKKFGA	EREKALNDALKL	IEKDFGKGSSIMRLGER	.AEQKVQVM	SSGSLALD	IALGSGGYPKGR	73
NTDB id 159 SP RS09750 WP 001085462.1	.MAKKP....KKLEEISKKFGA	EREKALNDALKL	IEKDFGKGSSIMRLGER	.AEQKVQVM	SSGSLALD	IALGSGGYPKGR	73
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKKP....KKLDEISKKFGA	EREKALNDALKL	IEKDFGKGSSIMRLGER	.AEQKVQVM	SSGSLALD	IALGSGGYPKGR	73
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKKP....KKLDEISKKFGA	EREKALNDALKL	IEKDFGKGSSIMRLGER	.AEQKVQVM	SSGSLALD	IALGSGGYPKGR	73
NTDB id 453 Spy49 1753c ACI62003.1	.MAKKL....KKNEEITKKFGD	ERRKALDDALKN	IEKDFGKGAVMRLGER	.AEQKVQVM	SSGSLALD	IALGAGGYPKGR	73
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKRI....KKTEEITKKFGD	ERKALDDALKN	IEKDFGKGAVMRLGER	.AEQKVQVM	SSGSLALD	IALGAGGYPKGR	73
NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKK	IEKNFGKGSSIMRMGEK	.VDTQVSTV	SSGSLALDE	ALGVGGYPRGR	60	
NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALKQ	IEKQFGKGSSIMKLGEK	.TDTRIISTV	PSGSLALD	TALGIGGYPRGR	58	
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISAPTDAK	ERSKAIETAMSQ	IEKAFGKGSSIMKLGA	E.SKLDVQVV	STGSLSLD	LALGVGGIPRGR	72
NTDB id 1245 Cj1673c YP 002345041.1	MDDNKRKSLDAALKS	LDKTFGKGITILRLGDK	.EVEQIDS	IGTGSVGLD	LALGIGGVPKGR	59	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKATISLATIKQ	IDKVFVGKGAIVRLGDK	.QVEKIDAI	ISTGSLGLD	LALGIGGVPKGR	61	
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKATISLATIKQ	IDKVFVGKGAIVRLGDK	.QVEKIDAI	ISTGSLGLD	LALGIGGVPKGR	61	
NTDB id 1334 RA0C RS04870 WP 004918236.1	MAKT..ETTSPNDKKK	KALAAVLEKLDKTYGKG	ITVMKLGDTVDHNI	EVIPSGSLGLD	LALGVGGYPRGR	68	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..VKQVEPEQ	KKQALEAALAQIEKQ	FGKGSSIMKLGT	.EQLDIESV	STGSLGLD	LALGIGGLPMGR	76
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSDDKS	KALAAALAQIEKS	FGKGAIMKMDGSQ	QEENLEVI	STGSLGLD	LALGVGGLPRGR	60
NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKS	KALAAALAQIEKS	FGKGAIMKMDGSQ	QEENLEVI	STGSLGLD	LALGVGGLPRGR	60
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKS	KALAAALAQIEKS	FGKGAIMKMDGSQ	QEENLEVI	STGSLGLD	LALGVGGLPRGR	60
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	MDENKQ	KALAAALGQIEKQ	FGKGSSIMRLGDN	.RAMDVETI	STGSLSLD	IALGAGGLPMGR	59
NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQ	KALAAALGQIEKQ	FGKGSSIMRLGDN	.RAMDVETI	STGSLSLD	IALGAGGLPMGR	59
NTDB id 1205 PSJM300 05545 AFN77183.1	MDENKK	BALAAALGQIEKQ	FGKGAIVMRMGDH	.DRQAIPSI	STGSLGLD	IALGIGGLPKGR	59
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKS	KALQAALGQIEKQ	FGKNTVMRLGDN	.TVQAVEAV	STGSLTLD	IALGIGGLPKGR	59
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDNKS	KALQAALGQIEKQ	FGKNTVMRLGDN	.TVQAVEAV	STGSLTLD	IALGIGGLPKGR	59
consensus		*** **	* ** ! *	*****	*	*** ! ** ! * ! ! ! *	

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NTDB id 197075 FAM18149p RS11855 WP 003600065.1
NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
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 625 LCA RS02525 WP 011374196.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1334 RA0C 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
NTDB id 1205 PSJM300 05545 AFN77183.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1

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consensus

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NTDB	id	197075	FAM18149p	RS11855	WP	003600065.1	VV	IDSVAALVPKAEI	EGAI	GDSHVGLQARLMSQALRK	MAGS	INNNTNT	LV	IFINQLREKVGVM	.FGNPEVTPGGRALKFYA	232
NTDB	id	600	KW2	RS01765	WP	011675413.1	VV	IDSVAALVPKAEI	DGEI	GDSSVGLQARMMSQAMRKL	LAGH	INKTKTT	TA	IFINQLREKVGVM	.FGSPETTPGGRALKFYA	233
NTDB	id	269	KZH43	RS08665	WP	001085462.1	VVV	DSVAALVPRAEI	DGDI	IGDSHVGLQARMMMSQAMRKL	LGAS	INKTKTT	TA	IFINQLREKVGVM	.FGNPETTPGGRALKFYA	232
NTDB	id	228	SPD	RS09265	WP	001085462.1	VVV	DSVAALVPRAEI	DGDI	IGDSHVGLQARMMMSQAMRKL	LGAS	INKTKTT	TA	IFINQLREKVGVM	.FGNPETTPGGRALKFYA	232
NTDB	id	194	SPR	RS08825	WP	001085462.1	VVV	DSVAALVPRAEI	DGDI	IGDSHVGLQARMMMSQAMRKL	LGAS	INKTKTT	TA	IFINQLREKVGVM	.FGNPETTPGGRALKFYA	232
NTDB	id	159	SP	RS09750	WP	001085462.1	VVV	DSVAALVPRAEI	DGDI	IGDSHVGLQARMMMSQAMRKL	LGAS	INKTKTT	TA	IFINQLREKVGVM	.FGNPETTPGGRALKFYA	232
NTDB	id	527	SMSK321	RS11065	WP	001085454.1	VVV	DSVAALVPRAEI	DGDI	IGDSHVGLQARMMMSQAMRKL	LGAS	INKTKTT	TA	IFINQLREKVGVM	.FGNPETTPGGRALKFYA	232
NTDB	id	499	SM12261	RS08315	WP	078228268.1	VVV	DSVAALVPRAEI	DGDI	IGDSHVGLQARMMMSQAMRKL	LGAS	INKTKTT	TA	IFINQLREKVGVM	.FGNPETTPGGRALKFYA	232
NTDB	id	453	Spy49	1753c	ACI62003.1		VVV	DSVAALVPRAEI	DGDI	IGDSHVGLQARMMMSQAMRKL	SAS	INKTKTT	TA	IFINQLREKVGVM	.FGNPETTPGGRALKFYA	232
NTDB	id	408	SMU	RS09530	WP	002262392.1	VVV	DSVAALVPRAEI	DGDI	IGDSHVGLQARMMMSQAMRKL	SAS	INKTKTT	TA	IFINQLREKVGIM	.FGNPETTPGGRALKFYS	232
NTDB	id	625	LCA	RS02525	WP	011374196.1	LV	VDSVAALVPRAEI	EGEMGD	AHVGLQARLMSQALRK	LSGT	INKTKTT	TA	IFINQIREKVGVM	.FGNPEVTPGGRALKFYS	219
NTDB	id	115	BSU	16940	NP	389576.2	VVV	DSVAALVPKAEI	EGDMGD	SHVGLQARLMSQALRKL	SGA	INKSKT	TA	IFINQIREKVGVM	.FGNPETTPGGRALKFYS	217
NTDB	id	1313	DR	RS12030	WP	010888966.1	VVV	DSVAALTPRAEI	EGDMGD	SLPGLQARLMSQALRKL	TA	ILSKTG	TAA	IFINQVREKIGVM	.YGNPETTTGGRALKFYA	231
NTDB	id	1245	Cj1673c	YP	002345041.1		IV	VDSVAALTPKAEI	EGDMGD	QHVGGLQARLMSQALRKL	TG	IVHKMNT	TV	IFINQIRMKIGAMGYGT	PETTTGGNALKFYA	219
NTDB	id	1214	NCTC11637	00359	SQJ03206.1		VVV	DSVAALTPKAEI	DGDMGD	QHVGGLQARLMSHALRK	ITGV	LHKMNT	TTL	IFINQIRMKIGMMGYG	SPETTTGGNALKFYA	221
NTDB	id	1211	C694	RS00795	WP	000963128.1	VVV	DSVAALTPKAEI	DGDMGD	KHVGLQARLMSHALRK	ITGV	LHKMNT	TTL	IFINQIRMKIGMMGYG	SPETTTGGNALKFYA	221
NTDB	id	1334	RAOC	RS04870	WP	004918236.1	VVV	DSVAALTPKAEI	DGDMGD	SKMGLHARLMSQALRKL	TSS	ISKTKCTV		IFINQLRDKIGVM	.FGSPETTTGGNALKFYA	227
NTDB	id	1389	A4U84	RS07560	WP	021112712.1	II	VDSVAALTPKAEI	EGDMGD	SHMGLQARLMSQALRKL	TAN	IKNTNCL	LV	VFINQIRMKIGVM	.FGNPETTTGGNALKFYA	235
NTDB	id	1130	NGFG	RS03960	WP	003688695.1	VVV	DSVAALVPKAEI	EGDMGD	SHVGLQARLMSQALRKL	TGHI	IKKTNT	LV	VFINQIRMKIGVM	.FGSPETTTGGNALKFYS	219
NTDB	id	1124	NGFG	RS03960	WP	003688695.1	VVV	DSVAALVPKAEI	EGDMGD	SHVGLQARLMSQALRKL	TGHI	IKKTNT	LV	VFINQIRMKIGVM	.FGSPETTTGGNALKFYS	219
NTDB	id	1123	OK783	RS03845	WP	003688695.1	VVV	DSVAALVPKAEI	EGDMGD	SHVGLQARLMSQALRKL	TGHI	IKKTNT	LV	VFINQIRMKIGVM	.FGSPETTTGGNALKFYS	219
NTDB	id	1427	RS	RS02760	WP	011000510.1	IV	IDSVAALVPKAEI	EGEMGD	ALPGLQARLMSQALRKL	TGT	IKRTNCL	LV	IFINQIRMKIGVM	.FGSPETTTGGNALKFYA	227
NTDB	id	1165	A1552VC	RS01565	WP	000344154.1	IV	VDSVAALTPKAEI	EGEMGD	SHMGLQARMLSQAMRKL	TGN	LKQSN	CMC	IFINQIRMKIGVM	.FGNPETTTGGNALKFYA	218
NTDB	id	1142	GTF74	RS11550	WP	000344154.1	IV	VDSVAALTPKAEI	EGEMGD	SHMGLQARMLSQAMRKL	TGN	LKQSN	CMC	IFINQIRMKIGVM	.FGNPETTTGGNALKFYA	218
NTDB	id	1205	PSJM300	05545	AFN77183.1		II	VDSVAALVPKAEI	EGEMGD	AHVGLQARLMSQALRK	ITGN	IKNANCL	LV	IFINQIRMKIGVM	.FGSPETTTGGNALKFYA	218

[illegible]

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SVRLDVRGSTKIEEGS.GDNKTQIGKITKLVVKNKVAPPFKVALVDIMFGEGISSTGELLNIAV...EEGIKKSGAW
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SVRLDVRGNTQIKGTG.DQKDNVCGKETKLVVKNKVAPPFKEAFVEIMYGEGISKTGELLKIAS...DLDIKKAGAW
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SVRLDVRGNTQIKGTG.EQKDNVCGKETKLVVKNKVAPPFKEAFVEIMYGEGISKTGELLKIAS...DLDIKKAGAW
TVRLEVRRAETIKNGT....DMICNRARIKVVKNKVAPPFKEAEVDIMYCGISRTGELVDMAV...EKDIINKSGSW
SVRLEVRRAEQLKQGN....DVMGNKTKLVVKNKVAPPFRTAEVDIMYGEGISKEGEIIDLGT...ELDIVQKSGSW
SVRLDVRKIGQ....PTKVGNDAVANTVKIKTVKNKVAAPFKEVELALVYKGFQDQLSDVLGLAA...DMDIKKAGSF
SVRLDVRKVAT....L.KQNEEPIGNRVKLVVKNKVAPPFRRQAEFDVMFGEGLSREGELIDYGV...KLDIVDKSGAW
SVRLDIRRIAA....L.KQNEQHTGNRAKAKVVKNKVAPPFREAEFDIMFGEGISKEGEIIDYGV...KLDIVDKSGAW
SVRLDIRRIAS....L.KQNEQHTGNRAKAKVVKNKVAPPFREAEFDIMFGEGISKEGEIIDYGV...KLDIVDKSGAW
SVRLDIRSLSDTGKIKDKSGEVLGNRTKLVVKNKVAPPFKSAEFDIMYGEGVSKVGEIIDLVAT...DLDIQKSGSW
SVRLDIRRCGV....V.KDGEDEIGSETKLVVKNKVAPPFREVQFDIMYGEGISRMNELLILAE...ANGFIKKSGAW
SVRLDIRRTGS....I.KKGEVVLGNETRVKLVKNKVAPPFRRQAEFDILYGEGISWEGELIDIGV...KNDIINKSGAW
SVRLDIRRTGS....I.KKGEVVLGNETRVKLVKNKVAPPFRRQAEFDILYGEGISWEGELIDIGV...KNDIINKSGAW
SVRLDIRRTGS....I.KKGEVVLGNETRVKLVKNKVAPPFRRQAEFDILYGEGISWEGELIDIGV...KNDIINKSGAW
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SVRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYCGGFNREGELIDLGV...KHKMVEKSGAW
SVRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYCGGFNREGELIDLGV...KHKMVEKSGAW
SVRLDIRRTGA....V.KEGDEVVGSETRVKVVKNKVAPPFRRQAEFQILYKKGIIYRNGEIIDLVG...QQGLVEKSGAW
SVRLDIRRIGQ....V.KEGDEIGSETKLVVKNKMAFFKEAIFQILYKKGVTNQLGELVDLAV...QQDIVQKAGAW
SVRLDIRRIGQ....V.KEGDEIGSETKLVVKNKMAFFKEAIFQILYKKGVTNQLGELVDLAV...QQDIVQKAGAW

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NTDB	id	197075 FAM18149p RS11855 WP 003600065.1	YNYGKERLGGQLVNASHYLDEHLEISKETEEKIREQVAPKKPEEADEKQDDKKDDQASADKKTEKTTTTDTTEKSKDKDD	387
NTDB	id	600 KW2 RS01765 WP 011675413.1	FAYNDEKIGQGAFAKAKNYLKEHQDVFDEIDHKVRAAHGLDDSEVAETEEETTASKTAKAKKEEKAVETEEIELE.LED	387
NTDB	id	269 KZH43 RS08665 WP 001085462.1	YSYKDEKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGGLIDGEEVSEQDTENKKDE...PKKEEA..VNEEVPLD.LGD	380
NTDB	id	228 SPD RS09265 WP 001085462.1	YSYKDEKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGGLIDGEEVSEQDTENKKDE...PKKEEA..VNEEVPLD.LGD	380
NTDB	id	194 SPR RS08825 WP 001085462.1	YSYKDEKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGGLIDGEEVSEQDTENKKDE...PKKEEA..VNEEVPLD.LGD	380
NTDB	id	159 SP RS09750 WP 001085462.1	YSYKDEKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGGLIDGEEVSEQDTENKKDE...PKKEEA..VNEEVPLD.LGD	380
NTDB	id	527 SMSK321 RS11065 WP 001085454.1	YSYKDEKIGQGSENAKKYLADNPEVFAEIDHQVRVQFGLIDGEEAAE...SKKDE...VAQVDS..VNEEVTLD.LGD	376
NTDB	id	499 SM12261 RS08315 WP 078228268.1	YSYKDEKIGQGSENAKKYLADNPEIFDEIDHQVRVQFGLIDGEEIAE...SKKDE...AAQVDS..VNEEVTLD.LGD	376
NTDB	id	453 Spy49 1753c ACI62003.1	FSYNGEKIGQGSENAKRYLADHPQLFDEIDRKVRVKFGLLEESEESAMAVASE.....E.....TDDLALD.LDN	372
NTDB	id	408 SMU RS09530 WP 002262392.1	FSYNGEKIGQGSENAKKYLADNPEIFDDIDHKVRVQYGLIEEDNTEEEKSSSEK.....ETDEK..ADKNLVLE.LDD	377
NTDB	id	625 LCA RS02525 WP 011374196.1	YSYGSEIRIGQGRENAKNYLADHEDVEDEVRLKVRAAYGISDVPPEEDLPTTEDE.QI.NILPDDST.....EE.....	355
NTDB	id	115 BSU 16940 NP 389576.2	YSYEEEERLGGGRENAKQFLKENKDIMLMIQEQUIREHYGLDNGGVVQQQAETQEEL.EFE.E.....	348
NTDB	id	1313 DR RS12030 WP 010888966.1	YSYGDERIGQGKEKTIAYIAERPEMEQEIRDRVMAAIRAGNAGEAPALAPAPAAPEAAEA.....	363
NTDB	id	1245 Cj1673c YP 002345041.1	FSYKDKKLGGGRENSKAFLENPEIADAITKAIQNSMGIEGM....ISGSEDDE..GEE.....	343
NTDB	id	1214 NCTC11637 00359 SQJ03206.1	LSYQDKKLGGGRENAKALLKEDKALADEITLKIKESIGSNEE....IMPLPDEP..LEEME.....	347
NTDB	id	1211 C694 RS00795 WP 000963128.1	LSYQDKKLGGGRENAKALLKEDKALADEITLKIKESIGSNEE....IMPLPDEP..LEEME.....	347
NTDB	id	1334 RAOC RS04870 WP 004918236.1	FSYQDTKLGGGRDTPVKELIKDNPELAEELEAKIREKLQAK.....	343
NTDB	id	1389 A4U84 RS07560 WP 021112712.1	FSYDGTKIGQGGKNNAVVKWLKENPEIADKLEQEIRNTLASNP.....SVLKATASDSNDESDV.....EEFSEEEL..	372
NTDB	id	1130 NGFG RS03960 WP 003688695.1	YSYNGAKIGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMH....ITEGTQDET.....D.....GERPEE....	348
NTDB	id	1124 NGFG RS03960 WP 003688695.1	YSYNGAKIGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMH....ITEGTQDET.....D.....GERPEE....	348
NTDB	id	1123 OK783 RS03845 WP 003688695.1	YSYNGAKIGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMH....ITEGTQDET.....D.....GERPEE....	348
NTDB	id	1427 RS RS02760 WP 011000510.1	YSYNGERIGQGGRDNCREFLRENAELAREIENKVRREHLGVTPM....GAVTLA.EEVEED.....	352
NTDB	id	1165 A1552VC RS01565 WP 000344154.1	YSYNGDKIGQGGKANACKYLLKENPEIAKTLDKKLREMLLNPN....MQLIAETSSAADDVEF.....GAVPEEF...	354
NTDB	id	1142 GTF74 RS11550 WP 000344154.1	YSYNGDKIGQGGKANACKYLLKENPEIAKTLDKKLREMLLNPN....MQLIAETSSAADDVEF.....GAVPEEF...	354
NTDB	id	1205 PSJM300 05545 AFN77183.1	YAYKGSNKIGQGGKANNAKYLEENPEIGQEIEQQIRAKLLVTS....NTKATPVAEDLADAD.....I.....	347
NTDB	id	1074 ABD1 RS10195 WP 000344167.1	YSYQGNKIGQGGKNNVIRYFEENNQIAEIEERNIREQLLTTGT....NGAVQ.I.EDEEEDP.....LLES....	349
NTDB	id	1022 ACTAD RS06390 WP 004925639.1	YSYQGNKIGQGGKNNVIRYLEENPCISTEIEAVIREQLLTKAS....DQTA..HDETEEEP.....LLES....	349

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NTDB id 197075 FAM18149p RS11855 WP 003600065.1	PASFGVDRLV	397
NTDB id 600 KW2 RS01765 WP 011675413.1		387
NTDB id 269 KZH43 RS08665 WP 001085462.1	ELEIEIEE..	388
NTDB id 228 SPD RS09265 WP 001085462.1	ELEIEIEE..	388
NTDB id 194 SPR RS08825 WP 001085462.1	ELEIEIEE..	388
NTDB id 159 SP RS09750 WP 001085462.1	ELEIEIEE..	388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	ELEIEIEE..	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	ELEIEIEE..	384
NTDB id 453 Spy49 1753c ACI62003.1	GIEIED....	378
NTDB id 408 SMU RS09530 WP 002262392.1	TIELED....	383
NTDB id 625 LCA RS02525 WP 011374196.1	.....	355
NTDB id 115 BSU 16940 NP 389576.2	.....	348
NTDB id 1313 DR RS12030 WP 010888966.1	.....	363
NTDB id 1245 Cj1673c YP 002345041.1	.....	343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....	347
NTDB id 1211 C694 RS00795 WP 000963128.1	.....	347
NTDB id 1334 RA0C RS04870 WP 004918236.1	.....	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.....	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....	348
NTDB id 1427 RS RS02760 WP 011000510.1	.....	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....	354
NTDB id 1205 PSJM300 05545 AFN77183.1	.....	347
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....	349
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved