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NTDB id 600 KW2 RS01765 WP 011675413.1	VV	I	D	S	V	A	A	L	V	P	K	A	E	I	D	G	E	I	G	D	S	S	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	A	G	H	I	N	K	T	K	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	233				
NTDB id 269 KZH43 RS08665 WP 001085462.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	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	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	232				
NTDB id 228 SPD RS09265 WP 001085462.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	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	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	232				
NTDB id 194 SPR RS08825 WP 001085462.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	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	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	232				
NTDB id 159 SP RS09750 WP 001085462.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	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	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	232				
NTDB id 499 SM12261 RS08315 WP 078228268.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	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	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	232				
NTDB id 527 SMSK321 RS11065 WP 001085454.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	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	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	232				
NTDB id 453 Spy49 1753c ACI62003.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	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	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	232				
NTDB id 408 SMU RS09530 WP 002262392.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	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	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	232				
NTDB id 115 BSU 16940 NP 389576.2	V	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	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	217		
NTDB id 1128989 FX029 RS05105 WP 052915978.1	V	V	I	D	S	V	A	A	L	V	P	R	A	E	I	E	G	D	M	G	D	A	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	S	G	S	I	N	K	T	K	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	219		
NTDB id 625 LCA RS02525 WP 011374196.1	L	V	V	D	S	V	A	A	L	V	P	R	A	E	I	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	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	219			
NTDB id 1313 DR RS12030 WP 010888966.1	V	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	V	R	E	K	V	G	V	M	.	Y	G	N	P	E	T	T	T	G	G	R	A	L	K	F	Y	A	231	
NTDB id 1245 Cj1673c YP 002345041.1	I	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	G	T	P	E	T	T	T	G	G	N	A	L	K	F	Y	A	219		
NTDB id 1211 C694 RS00795 WP 000963128.1	V	V	V	D	S	V	A	A	L	T	P	K	A	E	I	D	G	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	T	G	G	N	A	L	K	F	Y	A	221				
NTDB id 1214 NCTC11637 00359 SQJ03206.1	V	V	V	D	S	V	A	A	L	T	P	K	A	E	I	D	G	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	T	G	G	N	A	L	K	F	Y	A	221				
NTDB id 1334 RA0C RS04870 WP 004918236.1	V	V	V	D	S	V	A	A	L	T	P	K	A	E	I	D	G	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	T	G	G	N	A	L	K	F	Y	A	227		
NTDB id 1389 A4U84 RS07560 WP 021112712.1	I	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	I	F	I	N	Q	L	R	M	K	I	G	V	M	.	F	G	N	P	E	T	T	T	G	G	N	A	L	K	F	Y	A	235
NTDB id 1130 NGFG RS03960 WP 003688695.1	V	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	I	F	I	N	Q	L	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	T	G	G	N	A	L	K	F	Y	A	219
NTDB id 1124 NGFG RS03960 WP 003688695.1	V	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	I	F	I	N	Q	L	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	T	G	G	N	A	L	K	F	Y	A	219
NTDB id 1123 OK783 RS03845 WP 003688695.1	V	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	I	F	I	N	Q	L	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	T	G	G	N	A	L	K	F	Y	A	219
NTDB id 1427 RS RS02760 WP 011000510.1	I	V	I	D	S	V	A	A	L	V	P	K	A	E	I	E	G	E	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	T	G	G	N	A	L	K	F	Y	A	227	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	I	V	V	D	S	V	A	A	L	T	P	K	A	E	I	E	G	E	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	T	G	G	N	A	L	K	F	Y	A	218	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	I	V	V	D	S	V	A	A	L	T	P	K	A	E	I	E	G	E	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	T	G	G	N	A	L	K	F	Y	A	218	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	I	V	V	D	S	V	A	A	L	T	P	K	A	E	I	E	G	E	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	T	G	G	N	A	L	K	F	Y	A	218	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	I	V	V	D	S	V	A	A	L	T	P	K	A	E	I	E	G	E	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	T	G	G	N	A	L	K	F	Y	A	218	
NTDB id 1205 PSJM300 05545 AFN77183.1	I	I	V	D	S	V	A	A	L	V	P	K	A	E	I	E	G	E	M	G	D	A	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	G	N	L	K	N	A	N	C	L	V	I	F	I	N	Q	L	R	M																									



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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQQA <b>E</b> KAKNYL <b>K</b> EHQDV <b>F</b> DEIDHKV <b>R</b> AAH <b>G</b> LDDSEVAETEETTASKTKAKAKKEEKAVETEEIELELED.....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS <b>E</b> NAKKYLA <b>E</b> HP <b>E</b> IFDEIDKQ <b>V</b> RSK <b>F</b> GLDGEEVSEQD <b>T</b> ENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS <b>E</b> NAKKYLA <b>E</b> HP <b>E</b> IFDEIDKQ <b>V</b> RSK <b>F</b> GLDGEEVSEQD <b>T</b> ENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGS <b>E</b> NAKKYLA <b>E</b> HP <b>E</b> IFDEIDKQ <b>V</b> RSK <b>F</b> GLDGEEVSEQD <b>T</b> ENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGS <b>E</b> NAKKYLA <b>E</b> HP <b>E</b> IFDEIDKQ <b>V</b> RSK <b>F</b> GLDGEEVSEQD <b>T</b> ENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGS <b>E</b> NAKKYL <b>A</b> DN <b>P</b> E <b>I</b> FDEIDH <b>Q</b> VR <b>V</b> Q <b>F</b> GLDGE <b>E</b> IAES...KKDE...AAQ <b>V</b> DS..VNEEV <b>T</b> LDL <b>G</b> DELEIE	381
NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGS <b>E</b> NAKKYL <b>A</b> DN <b>P</b> E <b>V</b> FA <b>E</b> IDH <b>Q</b> VR <b>V</b> Q <b>F</b> GLDGE <b>E</b> AAES...KKDE...VAQ <b>V</b> DS..VNEEV <b>T</b> LDL <b>G</b> DELEIE	381
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS <b>E</b> NAKRYL <b>A</b> D <b>H</b> P <b>Q</b> L <b>F</b> DEIDR <b>K</b> V <b>R</b> V <b>K</b> F <b>G</b> L <b>E</b> E <b>S</b> E <b>E</b> S <b>A</b> M <b>A</b> V <b>A</b> S <b>E</b> .....E.....T <b>D</b> D <b>L</b> A <b>L</b> D <b>L</b> D <b>N</b> G <b>I</b> E <b>I</b> E	377
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS <b>E</b> NAK <b>K</b> L <b>A</b> DN <b>P</b> E <b>I</b> F <b>D</b> D <b>I</b> D <b>H</b> K <b>V</b> R <b>V</b> Q <b>Y</b> GL <b>E</b> E <b>D</b> N <b>T</b> E <b>E</b> K <b>Q</b> S <b>S</b> K <b>E</b> K.....E <b>T</b> DEK...A <b>D</b> K <b>N</b> L <b>V</b> L <b>E</b> L <b>D</b> D <b>T</b> I <b>E</b> L <b>E</b>	382
NTDB id 115 BSU 16940 NP 389576.2	E <b>E</b> R <b>L</b> I <b>G</b> Q <b>G</b> R <b>E</b> N <b>A</b> K <b>Q</b> F <b>L</b> K <b>E</b> N <b>K</b> D <b>I</b> M <b>L</b> M <b>I</b> Q <b>E</b> Q <b>I</b> R <b>E</b> H <b>Y</b> C <b>L</b> D <b>N</b> N <b>G</b> V <b>V</b> Q <b>Q</b> A <b>.</b> E <b>E</b> T <b>Q</b> E <b>E</b> L <b>E</b> ...F <b>E</b> E.....	348
NTDB id 1128989 FX029 RS05105 WP 052915978.1	GERIGQGR <b>E</b> NAKTYL <b>D</b> N <b>H</b> A <b>D</b> L <b>Q</b> Q <b>T</b> I <b>K</b> Q <b>V</b> R <b>V</b> A <b>Y</b> G <b>M</b> A <b>A</b> A <b>P</b> G <b>R</b> E <b>T</b> A <b>S</b> V <b>S</b> E <b>D</b> Q <b>P</b> E <b>I</b> P <b>Q</b> Q <b>A</b> E <b>V</b> .....	353
NTDB id 625 LCA RS02525 WP 011374196.1	S <b>E</b> R <b>I</b> G <b>Q</b> G <b>R</b> E <b>N</b> A <b>K</b> N <b>Y</b> L <b>A</b> D <b>H</b> E <b>D</b> V <b>E</b> D <b>V</b> R <b>L</b> K <b>V</b> R <b>A</b> A <b>Y</b> C <b>L</b> S <b>D</b> V <b>P</b> E <b>E</b> D <b>L</b> P <b>T</b> T <b>E</b> D <b>E</b> Q <b>I</b> N <b>I</b> L <b>P</b> D <b>D</b> S <b>T</b> E <b>E</b> .....	355
NTDB id 1313 DR RS12030 WP 010888966.1	D <b>E</b> R <b>I</b> G <b>Q</b> G <b>K</b> E <b>K</b> T <b>I</b> A <b>Y</b> I <b>A</b> E <b>R</b> P <b>E</b> M <b>E</b> Q <b>E</b> I <b>R</b> D <b>R</b> V <b>M</b> A <b>A</b> I <b>R</b> A <b>G</b> N <b>A</b> G <b>E</b> A <b>P</b> A <b>L</b> A <b>P</b> A <b>P</b> A <b>A</b> E <b>A</b> A <b>E</b> A.....	363
NTDB id 1245 Cj1673c YP 002345041.1	D <b>K</b> K <b>I</b> G <b>Q</b> G <b>R</b> E <b>N</b> A <b>K</b> A <b>L</b> L <b>K</b> E <b>D</b> K <b>A</b> L <b>A</b> D <b>E</b> I <b>T</b> L <b>K</b> I <b>K</b> E <b>S</b> I <b>C</b> S <b>N</b> E <b>E</b> I.....M <b>P</b> L <b>P</b> D <b>E</b> ..P <b>L</b> E <b>E</b> M <b>E</b> .....	343
NTDB id 1211 C694 RS00795 WP 000963128.1	D <b>K</b> K <b>I</b> G <b>Q</b> G <b>R</b> E <b>N</b> A <b>K</b> A <b>L</b> L <b>K</b> E <b>D</b> K <b>A</b> L <b>A</b> D <b>E</b> I <b>T</b> L <b>K</b> I <b>K</b> E <b>S</b> I <b>C</b> S <b>N</b> E <b>E</b> I.....M <b>P</b> L <b>P</b> D <b>E</b> ..P <b>L</b> E <b>E</b> M <b>E</b> .....	347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	D <b>K</b> K <b>I</b> G <b>Q</b> G <b>R</b> E <b>N</b> A <b>K</b> A <b>L</b> L <b>K</b> E <b>D</b> K <b>A</b> L <b>A</b> D <b>E</b> I <b>T</b> L <b>K</b> I <b>K</b> E <b>S</b> I <b>C</b> S <b>N</b> E <b>E</b> I.....M <b>P</b> L <b>P</b> D <b>E</b> ..P <b>L</b> E <b>E</b> M <b>E</b> .....	347
NTDB id 1334 RA0C RS04870 WP 004918236.1	D <b>T</b> K <b>I</b> G <b>Q</b> G <b>R</b> D <b>T</b> V <b>K</b> E <b>L</b> I <b>K</b> D <b>N</b> P <b>E</b> I <b>A</b> E <b>L</b> E <b>A</b> K <b>I</b> R <b>E</b> K <b>L</b> Q <b>A</b> K.....	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	G <b>T</b> K <b>I</b> G <b>Q</b> G <b>K</b> N <b>A</b> V <b>K</b> W <b>L</b> K <b>E</b> N <b>P</b> E <b>I</b> A <b>D</b> K <b>L</b> E <b>Q</b> E <b>I</b> R <b>N</b> T <b>L</b> A <b>S</b> N <b>P</b> N <b>S</b> ....V <b>L</b> K <b>A</b> T <b>A</b> S <b>D</b> S <b>N</b> D <b>E</b> S <b>D</b> V <b>E</b> ..E <b>F</b> S <b>E</b> E <b>E</b> L.....	372
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NTDB id 1124 NGFG RS03960 WP 003688695.1	G <b>A</b> K <b>I</b> G <b>Q</b> G <b>K</b> D <b>N</b> V <b>R</b> V <b>W</b> L <b>K</b> E <b>N</b> P <b>E</b> I <b>S</b> D <b>E</b> I <b>D</b> A <b>K</b> I <b>R</b> A <b>L</b> N <b>C</b> V <b>E</b> M <b>H</b> I....T <b>E</b> G <b>T</b> Q <b>D</b> E <b>T</b> D <b>G</b> E <b>R</b> .....P <b>E</b> E.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	G <b>A</b> K <b>I</b> G <b>Q</b> G <b>K</b> D <b>N</b> V <b>R</b> V <b>W</b> L <b>K</b> E <b>N</b> P <b>E</b> I <b>S</b> D <b>E</b> I <b>D</b> A <b>K</b> I <b>R</b> A <b>L</b> N <b>C</b> V <b>E</b> M <b>H</b> I....T <b>E</b> G <b>T</b> Q <b>D</b> E <b>T</b> D <b>G</b> E <b>R</b> .....P <b>E</b> E.....	348
NTDB id 1427 RS RS02760 WP 011000510.1	G <b>E</b> R <b>I</b> G <b>Q</b> G <b>R</b> D <b>N</b> C <b>R</b> E <b>F</b> L <b>R</b> E <b>N</b> A <b>E</b> I <b>A</b> R <b>E</b> I <b>N</b> K <b>V</b> R <b>E</b> H <b>L</b> C <b>V</b> T <b>P</b> M <b>G</b> ....A <b>V</b> T <b>L</b> A..E <b>E</b> V <b>E</b> D.....	352
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	G <b>N</b> K <b>I</b> G <b>Q</b> G <b>K</b> N <b>N</b> V <b>I</b> R <b>Y</b> F <b>E</b> E <b>N</b> N <b>Q</b> I <b>A</b> E <b>I</b> E <b>R</b> N <b>I</b> R <b>E</b> Q <b>L</b> L <b>T</b> T <b>G</b> T <b>N</b> ....G <b>A</b> V <b>Q</b> ..I..E <b>D</b> E <b>E</b> E <b>P</b> D <b>L</b> L....L <b>E</b> S.....	349
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