

NTDB id	421 SGO RS10260 WP 012131060.1	MKFRKQHYRAQVDTRDCGVAALAMIFGGYGSYSLSLA	36
NTDB id	483 SM12261 RS00275 WP 000668315.1	MKFGKRHYRPQVDMDCGVASLAMVFSGYYGSYSLSLA	36
NTDB id	511 SMSK321 RS10730 WP 000668322.1	MKFGKRHYRPQVDMDCGVASLAMVFSGYYGSYSLSLA	36
NTDB id	247 KZH43 RS00220 WP 000668290.1	MKFGKRHYRPQVDMDCGVASLAMVFSGYYGSYSFLA	36
NTDB id	206 SPD RS00235 WP 000668290.1	MKFGKRHYRPQVDMDCGVASLAMVFSGYYGSYSFLA	36
NTDB id	171 SPR RS00230 WP 000668290.1	MKFGKRHYRPQVDMDCGVASLAMVFSGYYGSYSFLA	36
NTDB id	131 SP RS00255 WP 000668284.1	MKFGKRHYRPQVDMDCGVASLAMVFSGYYGSYSFLA	36
NTDB id	1145982 BUC38 RS01395 WP 024376267.1	MTKIKKTFFVPQIDARDCGVALASLAKYYGSDYSLSLA	36
NTDB id	358 SMU RS01425 WP 002263523.1	MKQVIYVVLLIVIAVNILLEI IKRVTKRGGT VSSSNPLPDGQSKLFWRRHFKLVLPQIDTRDCGPVLAVSAKHGYSNYSLIA	80
consensus		*****!*****!*!!!!!!*	

NTDB id 421	SGO RS10260 WP 012131060.1	T	L	R	E	K	A	K	T	T	N	D	G	T	T	A	L	G	L	V	K	V	A	E	G	N	F	T	R	A	F	K	A	D	M	S	L	F	D	L	E	V	S	Y	P	F	I	A	H	I	L	K	D	G	K	L	L	H	Y	Y	V	V	T	G	Q	D	K	H	T	I	H	I	A	D	P	D	P	Q	116		
NTDB id 483	SM12261 RS00275 WP 000668315.1	H	L	R	E	L	A	K	T	T	M	D	G	T	T	A	L	G	L	V	K	V	A	E	E	I	G	F	T	R	A	I	K	A	D	M	T	L	F	D	L	P	D	L	T	F	P	F	V	A	H	V	L	K	E	G	K	L	L	H	Y	Y	V	V	T	G	Q	D	K	S	I	H	I	A	D	P	D	P	G	116	
NTDB id 511	SMSK321 RS10730 WP 000668322.1	H	L	R	E	L	A	K	T	T	M	D	G	T	T	A	L	G	L	V	K	V	A	E	E	I	G	F	T	R	A	I	K	A	D	M	T	L	F	D	L	P	D	L	T	F	P	F	V	A	H	V	L	K	E	G	K	L	L	H	Y	Y	V	V	T	G	Q	D	K	G	S	I	H	I	A	D	P	D	P	G	116
NTDB id 247	KZH43 RS00220 WP 000668290.1	H	L	R	E	L	A	K	T	T	M	D	G	T	T	A	L	G	L	V	K	V	A	E	E	I	G	F	T	R	A	I	K	A	D	M	T	L	F	D	L	P	D	L	T	F	P	F	V	A	H	V	L	K	E	G	K	L	L	H	Y	Y	V	V	T	G	Q	D	K	S	I	H	I	A	D	P	D	P	G	116	
NTDB id 206	SPD RS00235 WP 000668290.1	H	L	R	E	L	A	K	T	T	M	D	G	T	T	A	L	G	L	V	K	V	A	E	E	I	G	F	T	R	A	I	K	A	D	M	T	L	F	D	L	P	D	L	T	F	P	F	V	A	H	V	L	K	E	G	K	L	L	H	Y	Y	V	V	T	G	Q	D	K	S	I	H	I	A	D	P	D	P	G	116	
NTDB id 171	SPR RS00230 WP 000668290.1	H	L	R	E	L	A	K	T	T	M	D	G	T	T	A	L	G	L	V	K	V	A	E	E	I	G	F	T	R	A	I	K	A	D	M	T	L	F	D	L	P	D	L	T	F	P	F	V	A	H	V	L	K	E	G	K	L	L	H	Y	Y	V	V	T	G	Q	D	K	S	I	H	I	A	D	P	D	P	G	116	
NTDB id 131	SP RS00255 WP 000668284.1	H	L	R	E	L	A	K	T	T	M	D	G	T	T	A	L	G	L	V	K	V	A	E	E	I	G	F	T	R	A	I	K	A	D	M	T	L	F	D	L	P	D	L	T	F	P	F	V	A	H	V	L	K	E	G	K	L	L	H	Y	Y	V	V	T	G	Q	D	K	S	I	H	I	A	D	P	D	P	G	116	
NTDB id 1145982	BUC38 RS01395 WP 024376267.1	H	L	R	E	L	A	K	T	N	K	E	G	T	T	A	L	G	T	V	K	A	A	H	E	M	G	F	T	R	A	I	Q	A	D	M	S	L	F	D	M	T	D	I	P	Y	P	F	I	V	H	V	N	K	E	G	K	L</																							

NTDB id 421	SGO RS10260 WP 012131060.1	VKMTKISRRERFEQEWGTGITIFLAPSAAYKPSQEKKNGLLDIFIPLLIKQKGLITINIVLATLLVTLINIVGSSYYLQSIIDTY	196
NTDB id 483	SM12261 RS00275 WP 000668315.1	VKLTKLPRERFAEEWTGVTFLFMAPSPDYKPHKQKKNGLLSFIPILVKQRGLIANIVLATLLVTLINIVGSSYYLQSIIDTY	196
NTDB id 511	SMSK321 RS10730 WP 000668322.1	VKLTKLPRERFAEEWTGVTFLFMAPSPDYKPHKQKKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSSYYLQSIIDTY	196
NTDB id 247	KZH43 RS00220 WP 000668290.1	VKLTKLPRERFEEEWGTVFLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSSYYLQSIIDTY	196
NTDB id 206	SPD RS00235 WP 000668290.1	VKLTKLPRERFEEEWGTVFLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSSYYLQSIIDTY	196
NTDB id 171	SPR RS00230 WP 000668290.1	VKLTKLPRERFEEEWGTVFLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSSYYLQSIIDTY	196
NTDB id 131	SP RS00255 WP 000668284.1	VKLTKLPRERFEEEWGTVFLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSSYYLQSIIDTY	196
NTDB id 1145982	BUC38 RS01395 WP 024376267.1	VKVTKMSKERFASSEWGTVAIFLAPEPSYKPHKDKKNGLLDIFLPLIFQRTLIIFYIVLASLLVTLINIAGSSYYLQGILDEY	196
NTDB id 358	SMU RS01425 WP 002263523.1	VKVTRMSKERFQSEWGTGLAIFLAPQPNYKPHKGEKNGLSNFFPLIFFKQKALMTYIIIASLIVTLIDIVGSSYYLQGILDEY	240
consensus		* * * * *	

NTDB id 421 SGO RS10260 WP 012131060.1	VPD HM KT TL GM IS IG LI IV YL QQ FL SL SA QE YLL LV LG QR LS ID VL SY IK HV FQ LP MS FF AT RR TT GE IV SR FT DAN RI	276
NTDB id 483 SM12261 RS00275 WP 000668315.1	VPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVHFLPMSFFATRRRTGEIVSRFTDANSII	276
NTDB id 511 SMSK321 RS10730 WP 000668322.1	VPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVHFLPMSFFATRRRTGEIVSRFTDANSII	276
NTDB id 247 KZH43 RS00220 WP 000668290.1	VPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVHFLPMSFFATRRRTGEIVSRFTDANSII	276
NTDB id 206 SPD RS00235 WP 000668290.1	VPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVHFLPMSFFATRRRTGEIVSRFTDANSII	276
NTDB id 171 SPR RS00230 WP 000668290.1	VPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVHFLPMSFFATRRRTGEIVSRFTDANSII	276
NTDB id 131 SP RS00255 WP 000668284.1	VPDQMRSTLGIISIGLVIVYIFQQILSYAQEYLLLVLGQRLSIDVILSYIKHVHFLPMSFFATRRRTGEIVSRFTDANSII	276
NTDB id 1145982 BUC38 RS01395 WP 024376267.1	IP NQ MT KS TL GI IS IG LI IT YL QQ MM TF SR DY LL TV LS QR LS ID VL SY IK HI FK LP MS FF AT RR TT GE VI SR FT DAN SI	276
NTDB id 358 SMU RS01425 WP 002263523.1	IP QD LI SL TC GM IT IG LI IT YI II QQ VM AF AK EY LL AV LS RL VL ID VL SY IK HI FT LP MS FF AT RR TT GE IT SR FT DAN Q II	320
consensus	* * * * *	

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NTDB id 131 SP RS00255 WP 000668284.1
NTDB id 1145982 BUC38 RS01395 WP 024376267.1
NTDB id 358 SMU RS01425 WP 002263523.1
consensus
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DAVASTIFSIFLDVTMTVLGGVLLAQNNLFFLTLLSIPYAIITIAFLKPFKEKNHEVMNSMVSAAIEDINGMET
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NTDB id 421 SGO RS10260 WP 012131060.1
NTDB id 483 SM12261 RS00275 WP 000668315.1
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NTDB id 358 SMU RS01425 WP 002263523.1
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NTDB id 421 SGO RS10260 WP 012131060.1
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NTDB id 131 SP RS00255 WP 000668284.1
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NTDB id 358 SMU RS01425 WP 002263523.1
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NTDB id 1145982 BUC38 RS01395 WP 024376267.1
NTDB id 358 SMU RS01425 WP 002263523.1
consensus

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