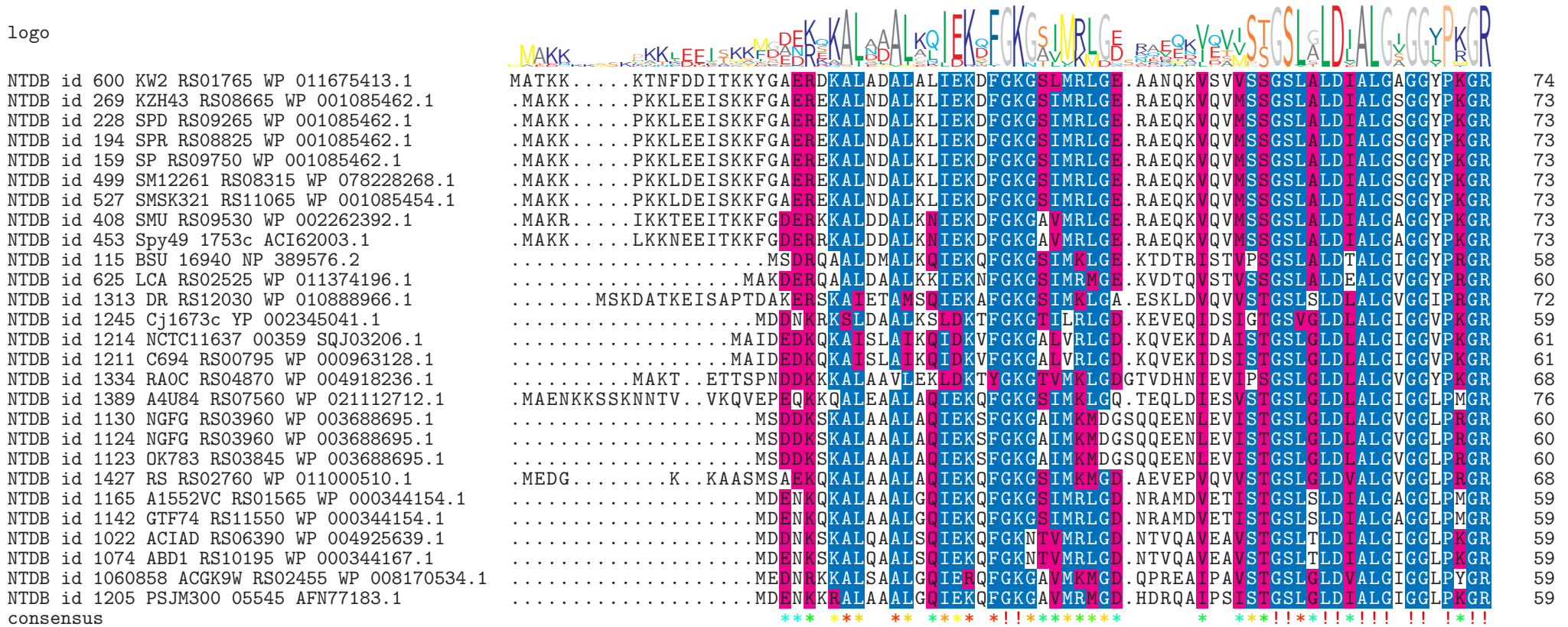


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NTDB id 600	KW2	RS01765	WP 011675413.1	DEKIGQGA	EKA	KNYL	KEHQ	DV	F	DEID	HKV	RAAH	G	LDD	SEVA	ETEEET	...	TASK	TKAKAK	KEEK	AVET	EEIE	LELED	387																																				
NTDB id 269	KZH43	RS08665	WP 001085462.1	DEKIGQGS	ENAK	KYLA	EHPE	I	F	DEID	KQV	RSKF	G	LIDG	EEV	SEQD	TEN	...	KKDE	...	PKKEEA	..	VNEEV	PLDLGDE	381																																			
NTDB id 228	SPD	RS09265	WP 001085462.1	DEKIGQGS	ENAK	KYLA	EHPE	I	F	DEID	KQV	RSKF	G	LIDG	EEV	SEQD	TEN	...	KKDE	...	PKKEEA	..	VNEEV	PLDLGDE	381																																			
NTDB id 194	SPR	RS08825	WP 001085462.1	DEKIGQGS	ENAK	KYLA	EHPE	I	F	DEID	KQV	RSKF	G	LIDG	EEV	SEQD	TEN	...	KKDE	...	PKKEEA	..	VNEEV	PLDLGDE	381																																			
NTDB id 159	SP	RS09750	WP 001085462.1	DEKIGQGS	ENAK	KYLA	EHPE	I	F	DEID	KQV	RSKF	G	LIDG	EEV	SEQD	TEN	...	KKDE	...	PKKEEA	..	VNEEV	PLDLGDE	381																																			
NTDB id 499	SM12261	RS08315	WP 078228268.1	DEKIGQGS	ENAK	KYL	ADNPE	I	F	DEID	HQV	RVQF	G	LIDG	EEI	AES	...	KKDE	...	AAQVDS	..	VNEEV	TLDLGDE	377																																				
NTDB id 527	SMSK321	RS11065	WP 001085454.1	DEKIGQGS	ENAK	KYL	ADNPE	V	F	DEID	HQV	RVQF	G	LIDG	EEA	AES	...	KKDE	...	VAQVDS	..	VNEEV	TLDLGDE	377																																				
NTDB id 408	SMU	RS09530	WP 002262392.1	GEKIGQGS	ENAK	KFL	ADNPE	I	F	DDID	HKV	RVQY	G	LIEE	DNTE	EKQSSK	...	EK	...	ETDEK	..	ADKNL	VLELDDT	378																																				
NTDB id 453	Spy49	1753c	ACI62003.1	GEKIGQGS	ENAK	RYL	ADHP	Q	L	F	DEID	RKV	RVKF	G	LLEE	SEES	SAMAVA	...	SE	...	E	...	TDDL	LALDL	373																																			
NTDB id 115	BSU	16940	NP 389576.2	EERL	GGRE	NAK	QFL	KEN	KD	I	MLM	I	QEQ	I	REHY	G	L	DNNG	VV	QQ	AEET	...	QEEL	EF	E	...	348																																	
NTDB id 625	LCA	RS02525	WP 011374196.1	SERIGQGS	ENAK	NYL	ADHED	VE	D	EV	RLK	V	RAAY	G	I	SDV	PEED	LPT	T	E	...	E	...	QI	NIL	PDD	ST	...	EE	...	355																													
NTDB id 1313	DR	RS12030	WP 010888966.1	DERIGQGS	KEK	TIAY	I	AER	P	E	M	E	Q	E	I	R	D	R	V	M	A	A	I	R	A	G	N	A	G	E	A	...	E	...	363																									
NTDB id 1245	Cj1673c	YP 002345041.1	DKKL	GGRE	NSK	AFL	KEN	PEI	A	D	E	I	T	K	A	I	Q	N	S	M	G	I	E	G	M	I	S	...	G	S	E	D	D	E	G	E	...	343																						
NTDB id 1214	NCTC11637	00359	SQJ03206.1	DKKL	GGRE	NAK	KALL	KED	K	A	L	A	D	E	I	T	L	K	I	K	E	S	I	G	S	N	E	E	I	M	...	P	L	P	D	E	P	L	E	E	...	347																		
NTDB id 1211	C694	RS00795	WP 000963128.1	DKKL	GGRE	NAK	KALL	KED	K	A	L	A	D	E	I	T	L	K	I	K	E	S	I	G	S	N	E	E	I	M	...	P	L	P	D	E	P	L	E	E	...	347																		
NTDB id 1334	RAOC	RS04870	WP 004918236.1	DTKL	GG	R	D	T	V	K	E	L	I	K	D	N	P	E	L	A	E	E	L	A	K	I	R	E	K	L	Q	A	K	343																		
NTDB id 1389	A4U84	RS07560	WP 021112712.1	GTKIGQGS	KNN	AVK	WL	KEN	PEI	A	D	K	L	E	Q	E	I	R	N	T	L	A	S	N	P	N	S	V	...	L	K	A	T	A	S	D	S	N	D	E	S	D	V	E	E	F	S	E	...	E	...	372								
NTDB id 1130	NGFG	RS03960	WP 003688695.1	GAKIGQGS	KDN	VRV	WL	KEN	PEI	S	D	E	I	D	A	K	I	R	A	L	N	G	V	E	M	H	I	...	E	G	T	Q	D	E	T	348										
NTDB id 1124	NGFG	RS03960	WP 003688695.1	GAKIGQGS	KDN	VRV	WL	KEN	PEI	S	D	E	I	D	A	K	I	R	A	L	N	G	V	E	M	H	I	...	E	G	T	Q	D	E	T	348										
NTDB id 1123	OK783	RS03845	WP 003688695.1	GAKIGQGS	KDN	VRV	WL	KEN	PEI	S	D	E	I	D	A	K	I	R	A	L	N	G	V	E	M	H	I	...	E	G	T	Q	D	E	T	348									
NTDB id 1427	RS	RS02760	WP 011000510.1	GERIGQGS	R	D	N	C	R	E	F	L	R	N	A	E	L	A	R	E	I	E	N	K	V	R	E	H	L	G	V	T	P	M	G	A	...	V	T	L	A	E	E	...	V	E	E	D	352									
NTDB id 1165	A1552VC	RS01565	WP 000344154.1	GDKIGQGS	KAN	A	C	K	Y	L	K	E	N	P	E	I	A	K	T	L	D	K	K	L	R	E	M	L	L	N	P	E	N	M	Q	...	L	I	A	E	T	S	S	A	A	D	D	V	E	F	G	A	V	P	E	...	E	F	...	354
NTDB id 1142	GTF74	RS11550	WP 000344154.1	GDKIGQGS	KAN	A	C	K	Y	L	K	E	N	P	E	I	A	K	T	L	D	K	K	L	R	E	M	L	L	N	P	E	N	M	Q	...	L	I	A	E	T	S	S	A	A	D	D	V	E	F	G	A	V	P	E	...	E	F	...	354
NTDB id 1022	ACIAD	RS06390	WP 004925639.1	GNKIGQGS	KNN	V	I	R	Y	L	E	N	P	I	S	T	E	I	E	A	V	I	R	E	Q	L	L	T	K	A	S	D	Q	...	T	A	A	H	...	E	T	E	E	E	P	D	L	L	E	S	349							
NTDB id 1074	ABD1	RS10195	WP 000344167.1	GNKIGQGS	KNN	V	I	R	Y	F	E	N	N	Q	I	A	E	E	I	E	R	N	I	R	E	Q	L	L	T	T	G	T	N	G	...	A	V	Q	I	...	E	D	E	E	E	P	D	L	L	E	S	349						
NTDB id 1060858	ACGK9W	RS02455	WP 008170534.1	GDKIGQGS	KAN	A	C	K	F	L	E	N	M	D	I	A	N	E	I	E	A	K	V	R	D	K	L	M	P	K	P	E	P	K	...	K	D	A	K	E	E	P	A	E	A	N	G	E	L	348								
NTDB id 1205	PSJM300	05545	AFN77183.1	GSKIGQGS	KAN	A	A	K	Y	L	E	N	P	E	I	G	Q	E	I	E	Q	I	R	A	K	L	L	V	T	S	A	N	T	...	K	A	T	P	V	A	E	D	L	A	D	A	I	347										
consensus				**!!!***** ** ***** ***** ** **																																																								

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NTDB id 600 KW2 RS01765 WP 011675413.1	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	LEIEIEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	LEIEIEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	LEIEIEE	388
NTDB id 159 SP RS09750 WP 001085462.1	LEIEIEE	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	LEIEIEE	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	LEIEIEE	384
NTDB id 408 SMU RS09530 WP 002262392.1	IELED..	383
NTDB id 453 Spy49 1753c ACI62003.1	IEIED..	378
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
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....	347
NTDB id 1211 C694 RS00795 WP 000963128.1	.....	347
NTDB id 1334 RAOC 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 1022 ACIAD RS06390 WP 004925639.1	.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....	349
NTDB id 1060858 ACGK9W RS02455 WP 008170534.1	.....	348
NTDB id 1205 PSJM300 05545 AFN77183.1	.....	347

consensus

X non conserved
X similar
X ≥ 50% conserved