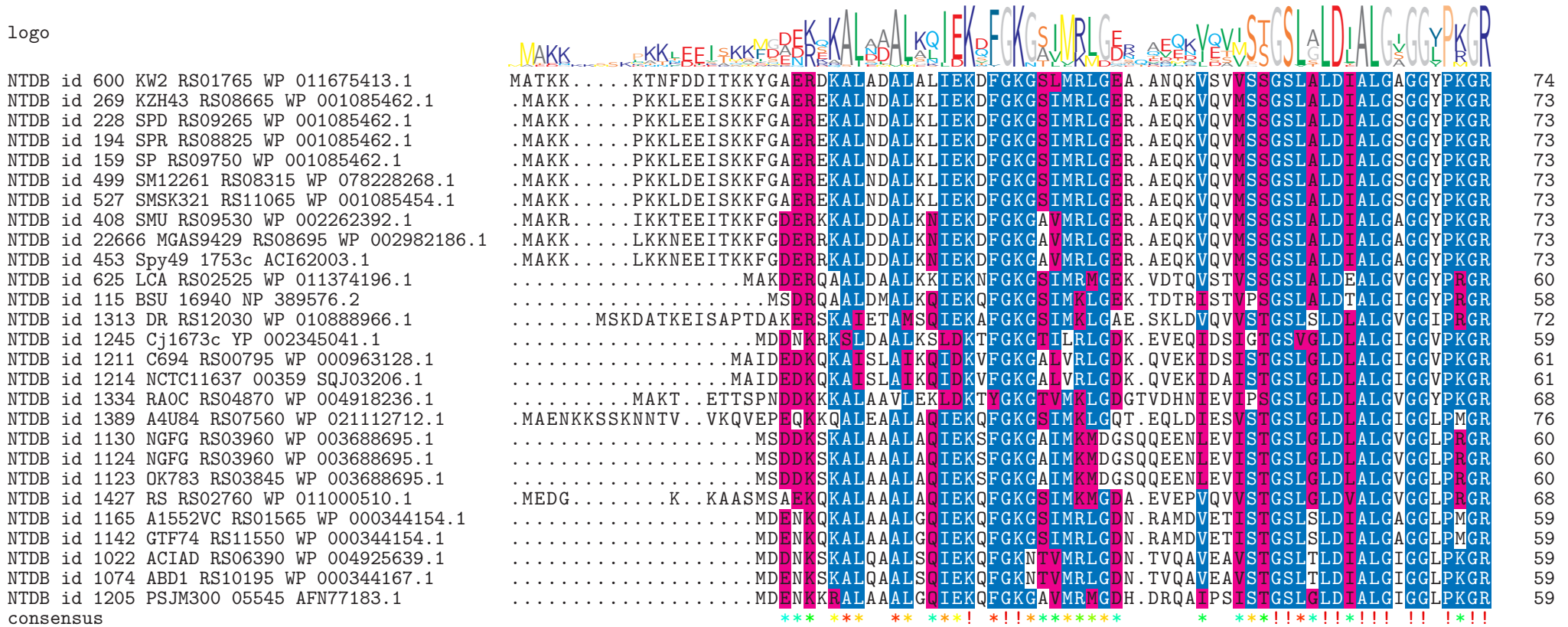


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NTDB id 600	KW2	RS01765	WP	011675413.1	DEKIGQGA	EKA	KNYL	KEHQ	DV	FDEID	HKV	RAAH	GL	LD	SEVA	ETEE	TTASK	T	KAKAK	KEEK	AVET	EEIE	LELED	.....	387																													
NTDB id 269	KZH43	RS08665	WP	001085462.1	DEKIGQGS	ENAK	KYLA	AHPE	IF	FDEID	KQV	RSKF	GL	ID	GEV	SEQD	TENK	KDE	...	PK	KEEA	..	VNEE	PLDL	GDELEIE	385																												
NTDB id 228	SPD	RS09265	WP	001085462.1	DEKIGQGS	ENAK	KYLA	AHPE	IF	FDEID	KQV	RSKF	GL	ID	GEV	SEQD	TENK	KDE	...	PK	KEEA	..	VNEE	PLDL	GDELEIE	385																												
NTDB id 194	SPR	RS08825	WP	001085462.1	DEKIGQGS	ENAK	KYLA	AHPE	IF	FDEID	KQV	RSKF	GL	ID	GEV	SEQD	TENK	KDE	...	PK	KEEA	..	VNEE	PLDL	GDELEIE	385																												
NTDB id 159	SP	RS09750	WP	001085462.1	DEKIGQGS	ENAK	KYLA	AHPE	IF	FDEID	KQV	RSKF	GL	ID	GEV	SEQD	TENK	KDE	...	PK	KEEA	..	VNEE	PLDL	GDELEIE	385																												
NTDB id 499	SM12261	RS08315	WP	078228268.1	DEKIGQGS	ENAK	KYL	ADNPE	IF	FDEID	HQV	RVQF	GL	ID	GEE	IAES	...	KK	DE	...	AA	QVDS	..	VNEE	VTLD	GDELEIE	381																											
NTDB id 527	SMSK321	RS11065	WP	001085454.1	DEKIGQGS	ENAK	KYL	ADNPE	IF	FDEID	HQV	RVQF	GL	ID	GEE	AAES	...	KK	DE	...	VA	QVDS	..	VNEE	VTLD	GDELEIE	381																											
NTDB id 408	SMU	RS09530	WP	002262392.1	GEKIGQGS	ENAK	KFL	ADNPE	IF	DDID	HKVR	VQY	GL	IE	EDN	TEEK	QSS	KEK	.....	ET	DEK	..	ADKN	LVLE	DDTIE	382																												
NTDB id 22666	MGAS9429	RS08695	WP	002982186.1	GEKIGQGS	ENAK	Ryla	AHPE	IF	FDEID	RKVR	VKF	GL	LE	ESE	EES	AMAV	ASE	.....	E	.....	TDDL	ALDL	DNGIEIE	377																													
NTDB id 453	Spy49	1753c	ACI62003.1	GEKIGQGS	ENAK	Ryla	AHPE	IF	FDEID	RKVR	VKF	GL	LE	ESE	EES	AMAV	ASE	.....	E	.....	TDDL	ALDL	DNGIEIE	377																														
NTDB id 625	LCA	RS02525	WP	011374196.1	SERIGQGR	ENAK	Nyl	ADHED	VE	DEV	RLK	VRA	AY	GI	SDV	PEED	LPT	TEDE	..	QI	..	NIL	PDD	ST	.....	EE	.....	355																										
NTDB id 115	BSU	16940	NP	389576.2	EERLGG	REN	AQFL	KENK	DI	MLMI	QEQ	IRE	HY	GL	DN	NGV	VQQA	EET	QEEL	..	E	FE	..	.....	.....	.....	348																											
NTDB id 1313	DR	RS12030	WP	010888966.1	DERIGQG	KEK	TIAY	IAER	PE	MEQE	IRDR	VMA	AIR	AG	NAGE	APAL	APAPA	PEAAE	..	A	.....	.....	.....	.....	.....	.....	363																											
NTDB id 1245	Cj1673c	YP	002345041.1	DKKLGG	RENS	KAF	LKEN	PEI	ADE	ITK	AI	QNS	MG	I	E	GMI	.....	SG	SEDD	..	E	GE	..	E	.....	.....	343																											
NTDB id 1211	C694	RS00795	WP	000963128.1	DKKLGG	RENS	KALL	KED	KAL	ADE	ITL	KIK	ESI	G	SNEE	I	.....	MPL	PDE	..	P	LE	..	E	ME	.....	.....	347																										
NTDB id 1214	NCTC11637	00359	SQJ03206.1	DKKLGG	RENS	KALL	KED	KAL	ADE	ITL	KIK	ESI	G	SNEE	I	.....	MPL	PDE	..	P	LE	..	E	ME	.....	.....	347																											
NTDB id 1334	RAOC	RS04870	WP	004918236.1	DTKLGG	GRD	TVK	ELI	KDN	PEL	AEL	EAK	I	RE	KL	LQAK	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	343																											
NTDB id 1389	A4U84	RS07560	WP	021112712.1	GTKIGQG	KNN	AVK	WLKEN	PEI	ADK	LEQ	IR	N	T	L	ASN	PNS	.....	VL	KAT	ASD	SND	..	ESD	VEEF	SEEL	.....	372																										
NTDB id 1130	NGFG	RS03960	WP	003688695.1	GAKIGQG	KDN	VRV	WLKEN	PEI	SDE	IDAK	IR	AL	NG	VEM	HI	.....	TEG	TQ	DET	DGE	..	R	.....	PEE	.....	.....	348																										
NTDB id 1124	NGFG	RS03960	WP	003688695.1	GAKIGQG	KDN	VRV	WLKEN	PEI	SDE	IDAK	IR	AL	NG	VEM	HI	.....	TEG	TQ	DET	DGE	..	R	.....	PEE	.....	.....	348																										
NTDB id 1123	OK783	RS03845	WP	003688695.1	GAKIGQG	KDN	VRV	WLKEN	PEI	SDE	IDAK	IR	AL	NG	VEM	HI	.....	TEG	TQ	DET	DGE	..	R	.....	PEE	.....	.....	348																										
NTDB id 1427	RS	RS02760	WP	011000510.1	GERIGQG	RDN	CR	REFL	RENA	EL	ARE	IKV	REHL	G	V	TPM	G	.....	AV	T	L	A	..	E	E	V	E	..	D	.....	352																							
NTDB id 1165	A1552VC	RS01565	WP	000344154.1	GDKIGQG	KAN	ACK	YLKEN	PEI	AKT	L	DKK	L	R	E	M	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	GDKIGQG	KAN	ACK	YLKEN	PEI	AKT	L	DKK	L	R	E	M	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	GNKIGQG	KNN	VIR	YLE	EN	P	Q	I	S	T	E	I	E	A	V	I	R	E	Q	L	L	T	K	A	S	D	.....	Q	T	A	..	H	D	E	T	E	..	E	P	D	L	L	..	E	S	.....	349			
NTDB id 1074	ABD1	RS10195	WP	000344167.1	GNKIGQG	KNN	VIR	YFE	EN	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	..	L	E	S	.....	349
NTDB id 1205	PSJM300	05545	AFN77183.1	GSKIGQG	KAN	AKY	LE	EN	PEI	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	D	I	.....	.....	347								
consensus					**!!!***** ** * *** ***** ** *																																																	

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NTDB id 600 KW2 RS01765 WP 011675413.1	...	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	IEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	IEE	388
NTDB id 159 SP RS09750 WP 001085462.1	IEE	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEE	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEE	384
NTDB id 408 SMU RS09530 WP 002262392.1	D..	383
NTDB id 22666 MGAS9429 RS08695 WP 002982186.1	D..	378
NTDB id 453 Spy49 1753c ACI62003.1	D..	378
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 1211 C694 RS00795 WP 000963128.1	...	347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	...	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 1205 PSJM300 05545 AFN77183.1	...	347

consensus

 non conserved  
 similar  
 ≥ 50% conserved