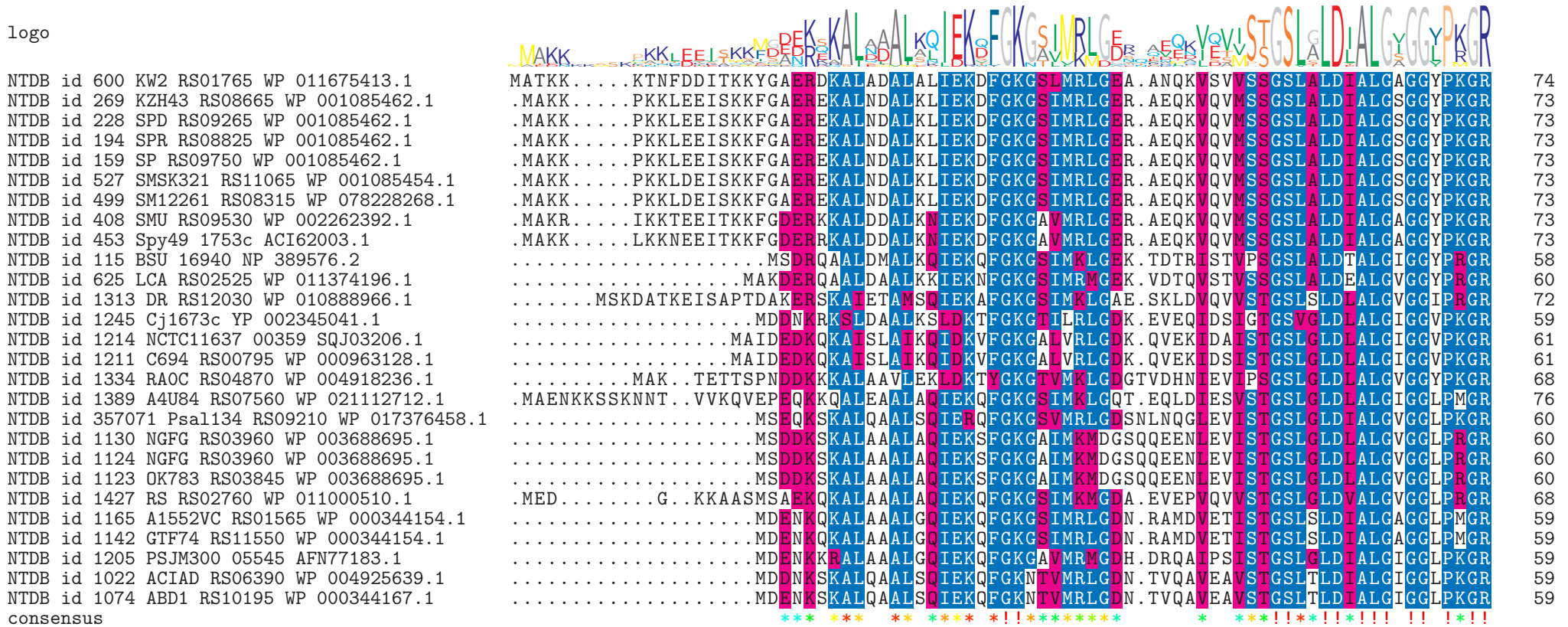


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NTDB id 600	KW2	RS01765	WP 011675413.1	DEKIGQGA	EKA	KNYL	KEHQ	DV	FDEID	HK	VRAAH	GLDD	SEVA	ETE	EETTA	.SKTKAKAK	KKEEKAV	ETE	EIELE	ED...	387																																		
NTDB id 269	KZH43	RS08665	WP 001085462.1	DEKIGQGS	ENAK	KYLA	AEHP	EIFDE	IDK	QVRS	KFG	LIDG	EEV	SEQD	TENK	KK.	DE...	PKKEEA	.VNEEV	PLDL	GDELEI	384																																	
NTDB id 228	SPD	RS09265	WP 001085462.1	DEKIGQGS	ENAK	KYLA	AEHP	EIFDE	IDK	QVRS	KFG	LIDG	EEV	SEQD	TENK	KK.	DE...	PKKEEA	.VNEEV	PLDL	GDELEI	384																																	
NTDB id 194	SPR	RS08825	WP 001085462.1	DEKIGQGS	ENAK	KYLA	AEHP	EIFDE	IDK	QVRS	KFG	LIDG	EEV	SEQD	TENK	KK.	DE...	PKKEEA	.VNEEV	PLDL	GDELEI	384																																	
NTDB id 159	SP	RS09750	WP 001085462.1	DEKIGQGS	ENAK	KYLA	AEHP	EIFDE	IDK	QVRS	KFG	LIDG	EEV	SEQD	TENK	KK.	DE...	PKKEEA	.VNEEV	PLDL	GDELEI	384																																	
NTDB id 527	SMSK321	RS11065	WP 001085454.1	DEKIGQGS	ENAK	KYLADN	PEVFA	EIDH	QV	RVQF	GLIDG	EEAAE	...	SKK	DE...	VAQVDS	.VNEEV	TLDL	GDELEI		380																																		
NTDB id 499	SM12261	RS08315	WP 078228268.1	DEKIGQGS	ENAK	KYLADN	PEVFA	EIDH	QV	RVQF	GLIDG	EEIAE	...	SKK	DE...	AAQVDS	.VNEEV	TLDL	GDELEI		380																																		
NTDB id 408	SMU	RS09530	WP 002262392.1	GEKIGQGS	ENAK	KFLADN	PEIFD	IDH	KV	RVQY	GLIEE	DNTEE	KQSS	KEK	...	ETDEK	.ADKNL	VLELD	DDTIEL		381																																		
NTDB id 453	Spy49	1753c	ACI62003.1	GEKIGQGS	ENAK	RYLADHP	QLFDE	IDR	KV	RVKF	GLLEE	SEES	EAMAV	ASE	...	E	...	TDDL	LALD	LNGIEI		376																																	
NTDB id 115	BSU	16940	NP 389576.2	EERL	GGRE	NAK	QFL	KEN	KD	I	MLMI	QEQ	IRE	HY	GLD	NN	GV	VQQA	EETQE	.EL	EFE	E	...	348																															
NTDB id 625	LCA	RS02525	WP 011374196.1	SERIGQGS	ENAK	NYLADH	EDVE	DEV	RL	KV	RAAY	GISD	VPEE	DL	PTTE	DE	.QI	.NIL	PDD	ST	...	EE	...	355																															
NTDB id 1313	DR	RS12030	WP 010888966.1	DERIGQGS	KEK	TIAY	IAER	PEME	QEI	RDR	VMAA	IRAG	NAGE	APAL	APAPA	AP	FAEA	...						363																															
NTDB id 1245	Cj1673c	YP 002345041.1		DKKL	GGRE	NAK	AF	LKEN	PEI	ADE	ITK	AI	QNS	MG	IEG	MIS	GSE	..D	DEG	..EE	...			343																															
NTDB id 1214	NCTC11637	00359	SQJ03206.1	DKKL	GGRE	NAK	ALL	KED	KAL	ADE	ITL	KI	KESI	G	SNEE	I	MPLP	..DE	PL	..EEME	...			347																															
NTDB id 1211	C694	RS00795	WP 000963128.1	DKKL	GGRE	NAK	ALL	KED	KAL	ADE	ITL	KI	KESI	G	SNEE	I	MPLP	..DE	PL	..EEME	...			347																															
NTDB id 1334	RAOC	RS04870	WP 004918236.1	DTKL	GG	R	D	T	V	KELI	KDN	PE	LA	E	E	AKI	R	E	K	L	Q	A	...		343																														
NTDB id 1389	A4U84	RS07560	WP 021112712.1	GTKIGQGS	KNN	AV	KWL	KEN	PEI	AD	KLE	QEI	RNTL	AS	NP	SVL	KA	..TAS	DSN	DES	D	VEEF	...	SEEEL	372																														
NTDB id 357071	Psa1134	RS09210	WP 017376458.1	ETRIGQGS	KNV	RQ	FLL	DH	PE	MAE	IE	AG	V	RA	Q	K	L	D	L	E	T	S	A	A	...	346																													
NTDB id 1130	NGFG	RS03960	WP 003688695.1	GAKIGQGS	KDN	VR	V	L	KEN	PEI	SDE	I	DA	KI	R	AL	NG	V	E	M	H	I	E	G	...	348																													
NTDB id 1124	NGFG	RS03960	WP 003688695.1	GAKIGQGS	KDN	VR	V	L	KEN	PEI	SDE	I	DA	KI	R	AL	NG	V	E	M	H	I	E	G	...	348																													
NTDB id 1123	OK783	RS03845	WP 003688695.1	GAKIGQGS	KDN	VR	V	L	KEN	PEI	SDE	I	DA	KI	R	AL	NG	V	E	M	H	I	E	G	...	348																													
NTDB id 1427	RS	RS02760	WP 011000510.1	GERIGQGS	R	D	N	C	R	E	F	L	R	E	N	A	E	L	A	R	E	I	E	N	K	V	REHL	G	V	T	P	M	G	A	V	.T	.L	A	E	E	V	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	..ET	S	S	A	A	D	D	V	E	F	G	A	V	...	PEEF	...	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	..ET	S	S	A	A	D	D	V	E	F	G	A	V	...	PEEF	...	354
NTDB id 1205	PSJM300	05545	AFN77183.1	GSKIGQGS	KAN	A	A	K	Y	L	E	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	I	...	347							
NTDB id 1022	ACIAD	RS06390	WP 004925639.1	GNKIGQGS	KNN	V	I	R	Y	L	E	E	N	P	Q	I	S	T	E	I	E	A	V	I	R	E	Q	L	L	T	K	A	S	D	Q	T	A	A	..H	D	E	T	E	E	P	D	L	...	ES	...	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	P	D	L	...	LES	...	349						
consensus				**!!!***** ** * *** ***** ** **																																																			

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	E	I	E	E	
NTDB id 600 KW2 RS01765 WP 011675413.1	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	E	I	E	E	388
NTDB id 228 SPD RS09265 WP 001085462.1	E	I	E	E	388
NTDB id 194 SPR RS08825 WP 001085462.1	E	I	E	E	388
NTDB id 159 SP RS09750 WP 001085462.1	E	I	E	E	388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	E	I	E	E	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	E	I	E	E	384
NTDB id 408 SMU RS09530 WP 002262392.1	E	D	.	.	383
NTDB id 453 Spy49 1753c ACI62003.1	E	D	.	.	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 357071 Psa1134 RS09210 WP 017376458.1	.	.	.	.	346
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 1022 ACIAD RS06390 WP 004925639.1	.	.	.	.	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.	.	.	.	349

consensus

non conserved
 similar
 ≥ 50% conserved