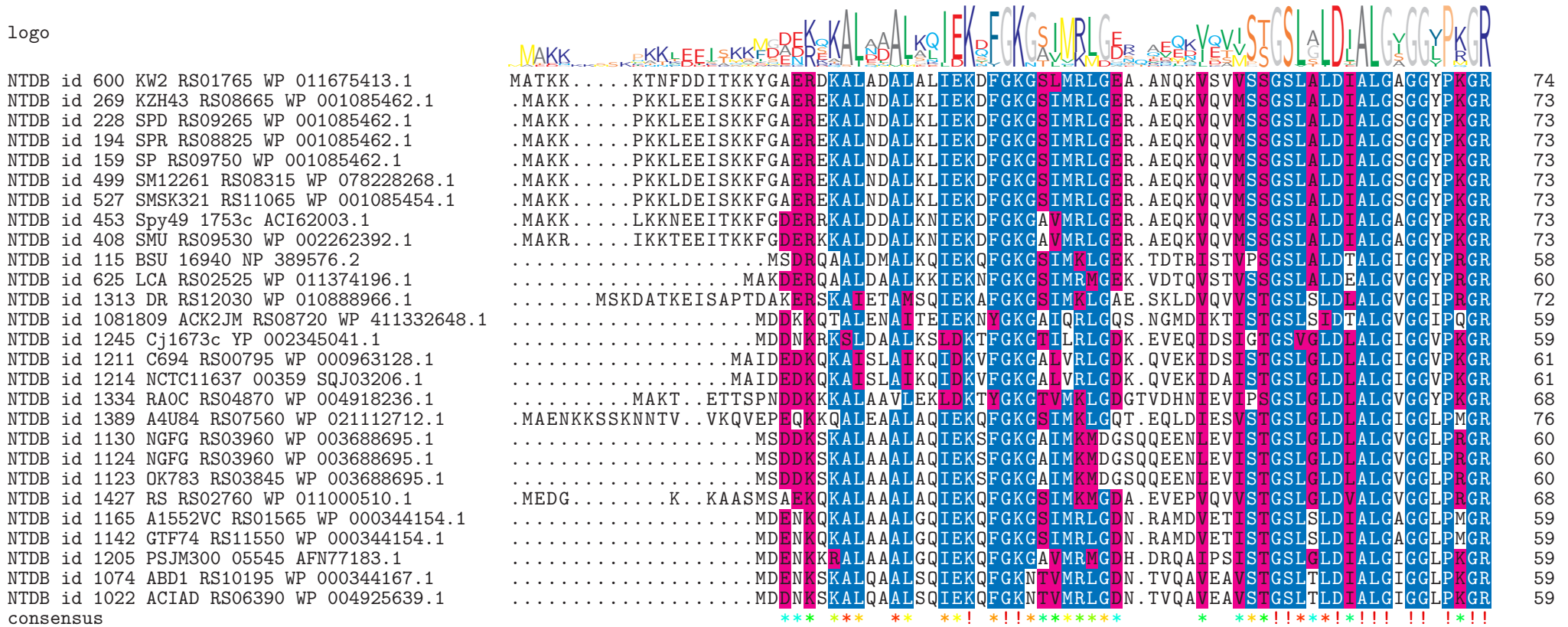


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NTDB id 600	KW2	RS01765	WP 011675413.1	DEKIGQGA	EKA	KNYL	KEHQ	DV	FDEID	HKVR	AAHG	GLDD	SEVA	ETEE	ET	ASKTK	KAKAK	KEEK	AVETE	EEIE	LELED	387		
NTDB id 269	KZH43	RS08665	WP 001085462.1	DEKIGQGS	ENAK	KYLA	EHPEI	FDEID	KQVR	SKFG	GLID	GEEV	SEQD	TENK	KDE	....	PKKEEA	..	VNEEV	PLDL	GD	LELEIE	.....	385
NTDB id 228	SPD	RS09265	WP 001085462.1	DEKIGQGS	ENAK	KYLA	EHPEI	FDEID	KQVR	SKFG	GLID	GEEV	SEQD	TENK	KDE	....	PKKEEA	..	VNEEV	PLDL	GD	LELEIE	.....	385
NTDB id 194	SPR	RS08825	WP 001085462.1	DEKIGQGS	ENAK	KYLA	EHPEI	FDEID	KQVR	SKFG	GLID	GEEV	SEQD	TENK	KDE	....	PKKEEA	..	VNEEV	PLDL	GD	LELEIE	.....	385
NTDB id 159	SP	RS09750	WP 001085462.1	DEKIGQGS	ENAK	KYLA	EHPEI	FDEID	KQVR	SKFG	GLID	GEEV	SEQD	TENK	KDE	....	PKKEEA	..	VNEEV	PLDL	GD	LELEIE	.....	385
NTDB id 499	SM12261	RS08315	WP 078228268.1	DEKIGQGS	ENAK	KYLAD	NPEIF	FDEID	HQVR	VQFG	GLID	GEEI	AES	....	KKDE	....	AAQVDS	..	VNEEV	TLDL	GD	LELEIE	.....	381
NTDB id 527	SMSK321	RS11065	WP 001085454.1	DEKIGQGS	ENAK	KYLAD	NPEV	FAEID	HQVR	VQFG	GLID	GEEA	AES	....	KKDE	....	VAQVDS	..	VNEEV	TLDL	GD	LELEIE	.....	381
NTDB id 453	Spy49	1753c	ACI62003.1	GEKIGQGS	ENAK	RYLAD	HPQL	FDEID	RKVR	VKFG	GLLE	ESEES	ESAM	AVASE	.....	E	.....	TDDL	LALD	LD	NG	IEIE	.....	377
NTDB id 408	SMU	RS09530	WP 002262392.1	GEKIGQGS	ENAK	FLAD	NPEIF	DDID	HKVR	VQY	GLIE	EDNT	EES	QSSKEK	.....	ETDEK	..	ADKN	LVLE	LD	DD	TIELE	.....	382
NTDB id 115	BSU	16940	NP 389576.2	EERL	GGRE	NAK	QFL	KENK	DI	MLMI	QEQI	REHY	GLDN	NGVV	QQAE	ETQE	EEL	..	EFE	..	E	.....	348	
NTDB id 625	LCA	RS02525	WP 011374196.1	SERIGQGS	ENAK	NYLAD	HEDV	EVRL	LKVR	AAAY	GISD	VPEE	DLPT	TEDE	..	QI	..	NILP	DD	ST	.....	EE	.....	355
NTDB id 1313	DR	RS12030	WP 010888966.1	DERIGQGS	KEKT	IAYI	AERP	EME	QEI	DRV	MAAI	RAGN	AGEA	PALAP	APEA	AAEA	.....	.....	.....	.....	.....	.....	.....	363
NTDB id 1081809	ACK2JM	RS08720	WP 411332648.1	DSVIGQGS	RED	AIFY	FEGN	HELM	ELLES	QIR	QNI	GISF	Q	....	PAS	.....	.....	.....	.....	.....	.....	.....	.....	333
NTDB id 1245	Cj1673c	YP 002345041.1	DKKL	GGRE	NSKA	FL	KENPEI	ADEI	TKAI	QNSM	GIEG	M	....	ISG	SEDE	..	GEE	.....	.....	.....	.....	.....	.....	343
NTDB id 1211	C694	RS00795	WP 000963128.1	DKKL	GGRE	NAK	ALLK	EDK	ALADE	ITL	KIKES	IGS	NEE	....	IMPL	PDEP	..	LEEM	.....	.....	.....	.....	.....	347
NTDB id 1214	NCTC11637	00359	SQJ03206.1	DKKL	GGRE	NAK	ALLK	EDK	ALADE	ITL	KIKES	IGS	NEE	....	IMPL	PDEP	..	LEEM	.....	.....	.....	.....	.....	347
NTDB id 1334	RAOC	RS04870	WP 004918236.1	DTKL	GGRD	TVK	ELTK	DNPE	LA	EEL	EAKI	REKL	QAK	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	343
NTDB id 1389	A4U84	RS07560	WP 021112712.1	GTKIGQGS	KNN	AVK	WLKEN	PEI	ADK	LEQEI	RNTL	ASNP	N	....	SVL	KATAS	DSN	DES	DVE	..	EF	SEEL	.....	372
NTDB id 1130	NGFG	RS03960	WP 003688695.1	GAKIGQGS	KDN	VRV	WLKEN	PEIS	DEI	DAKIR	ALNG	VEMH	....	ITE	GTQ	DET	....	DG	..	ER	PEE	.....	348	
NTDB id 1124	NGFG	RS03960	WP 003688695.1	GAKIGQGS	KDN	VRV	WLKEN	PEIS	DEI	DAKIR	ALNG	VEMH	....	ITE	GTQ	DET	....	DG	..	ER	PEE	.....	348	
NTDB id 1123	OK783	RS03845	WP 003688695.1	GAKIGQGS	KDN	VRV	WLKEN	PEIS	DEI	DAKIR	ALNG	VEMH	....	ITE	GTQ	DET	....	DG	..	ER	PEE	.....	348	
NTDB id 1427	RS	RS02760	WP 011000510.1	GERIGQGS	RDN	CRE	FLRE	NAEL	AREI	ENK	VREHL	GVTP	M	....	GAV	TLA	..	EE	VEED	.....	.....	.....	.....	352
NTDB id 1165	A1552VC	RS01565	WP 000344154.1	GDKIGQGS	KAN	ACKY	LKEN	PEI	AKT	LDKK	REML	LN	PEN	....	MQL	IAET	SSA	ADD	VEFG	..	AV	PEEF	.....	354
NTDB id 1142	GTF74	RS11550	WP 000344154.1	GDKIGQGS	KAN	ACKY	LKEN	PEI	AKT	LDKK	REML	LN	PEN	....	MQL	IAET	SSA	ADD	VEFG	..	AV	PEEF	.....	354
NTDB id 1205	PSJM300	05545	AFN77183.1	GSKIGQGS	KANA	AKY	LEEN	PEI	GQEI	EQI	TRAK	LL	V	TSA	....	NTK	ATP	VAED	LAD	AD	..	I	.....	347
NTDB id 1074	ABD1	RS10195	WP 000344167.1	GNKIGQGS	KNN	VIRY	FEEN	NQIA	EIEI	ERNI	REQL	LL	T	TGT	NGAV	Q	..	E	DEE	EPD	LLLES	349
NTDB id 1022	ACIAD	RS06390	WP 004925639.1	GNKIGQGS	KNN	VIRY	LEEN	PQI	STEI	EAVI	REQL	LL	T	KAS	DQTA	A	..	H	DETE	EEP	LLLES	349
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 453 Spy49 1753c ACI62003.1	D..	378
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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 1081809 ACK2JM RS08720 WP 411332648.1	...	333
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 1205 PSJM300 05545 AFN77183.1	...	347
NTDB id 1074 ABD1 RS10195 WP 000344167.1	...	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	...	349

consensus

 non conserved
 similar
 ≥ 50% conserved