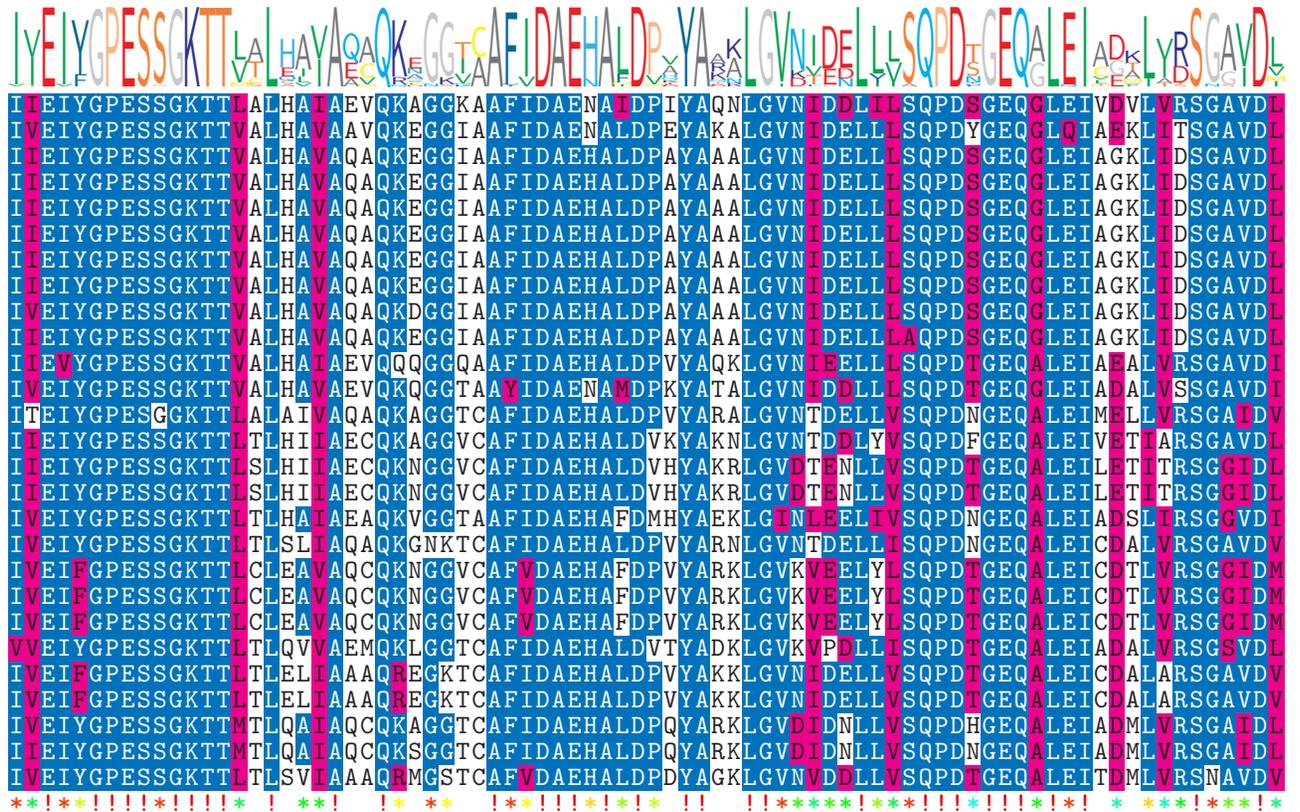


logo

NTDB id 329975 EEI45 RS06690 WP 181950054.1
 NTDB id 600 KW2 RS01765 WP 011675413.1
 NTDB id 269 KZH43 RS08665 WP 001085462.1
 NTDB id 228 SPD RS09265 WP 001085462.1
 NTDB id 194 SPR RS08825 WP 001085462.1
 NTDB id 159 SP RS09750 WP 001085462.1
 NTDB id 499 SM12261 RS08315 WP 078228268.1
 NTDB id 527 SMSK321 RS11065 WP 001085454.1
 NTDB id 408 SMU RS09530 WP 002262392.1
 NTDB id 453 Spy49 1753c ACI62003.1
 NTDB id 115 BSU 16940 NP 389576.2
 NTDB id 625 LCA RS02525 WP 011374196.1
 NTDB id 1313 DR RS12030 WP 010888966.1
 NTDB id 1245 Cj1673c YP 002345041.1
 NTDB id 1214 NCTC11637 00359 SQJ03206.1
 NTDB id 1211 C694 RS00795 WP 000963128.1
 NTDB id 1334 RAOC RS04870 WP 004918236.1
 NTDB id 1389 A4U84 RS07560 WP 021112712.1
 NTDB id 1130 NGFG RS03960 WP 003688695.1
 NTDB id 1124 NGFG RS03960 WP 003688695.1
 NTDB id 1123 OK783 RS03845 WP 003688695.1
 NTDB id 1427 RS RS02760 WP 011000510.1
 NTDB id 1165 A1552VC RS01565 WP 000344154.1
 NTDB id 1142 GTF74 RS11550 WP 000344154.1
 NTDB id 1022 ACIAD RS06390 WP 004925639.1
 NTDB id 1074 ABD1 RS10195 WP 000344167.1
 NTDB id 1205 PSJM300 05545 AFN77183.1

consensus



140
154
153
153
153
153
153
153
153
153
138
140
152
139
141
141
148
156
140
140
140
148
139
139
139
139

logo



NTDB id 329975 EEI45 RS06690 WP 181950054.1	DEKIGQGREA	VRSF	LEDNPK	ITEETIAAQ	TREIILPKR	..EVLEKKEEKE	.....	341								
NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGA	EAKK	NYLKEH	QDVFD	DEIDHKV	RAAHGL	LLDDSEVAETE	EETTAS	KTAKAKK	EEKAVET	EIELELE	....	387			
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKY	LAEH	PEIFD	DEIDKQV	RSKFGL	LIDGEEVSE	QDTENK	KDE....	PKKEEA	..VNEEV	PLDLG	DELEIE	385			
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS	ENAKKY	LAEH	PEIFD	DEIDKQV	RSKFGL	LIDGEEVSE	QDTENK	KDE....	PKKEEA	..VNEEV	PLDLG	DELEIE	385			
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGS	ENAKKY	LAEH	PEIFD	DEIDKQV	RSKFGL	LIDGEEVSE	QDTENK	KDE....	PKKEEA	..VNEEV	PLDLG	DELEIE	385			
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGS	ENAKKY	LAEH	PEIFD	DEIDKQV	RSKFGL	LIDGEEVSE	QDTENK	KDE....	PKKEEA	..VNEEV	PLDLG	DELEIE	385			
NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGS	ENAKKY	LADN	PEIFD	DEIDHQV	RVVQFGL	LIDGEEIA	AES....	KKDE....	AAQVDS	..VNEEV	TLDL	GDELEIE	381			
NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGS	ENAKKY	LADN	PEVFA	IDHQV	RVVQFGL	LIDGEEAA	ES....	KKDE....	VAQVDS	..VNEEV	TLDL	GDELEIE	381			
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS	ENAKK	FLADN	PEIFD	DDIDHKV	RVVQYGL	IEEDNTE	EKQSSKEK	.....	ETDEK	..ADKNL	VLEL	DDTIELE	382		
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS	ENAKR	YLADH	PQLF	DEIDRKV	RVKFG	LLEESE	EEESAM	AVASE	E.....	TDDL	LALD	LDNGIEIE	377		
NTDB id 115 BSU 16940 NP 389576.2	EERLGQGS	RENAK	QFLK	ENKDI	MLMI	IQEQ	IREHYGL	DNNGV	VVQQ	QAETQE	EEL.EFE	.....	.....	348	
NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQGS	RENAK	NYLAD	HEDVE	DEVRLK	VRAAYG	ISDVPE	EDLPT	TEDE	.QI	.NILP	DDST	EE.....	355		
NTDB id 1313 DR RS12030 WP 010888966.1	DERIGQG	KEKTI	AIYIA	ERP	PEMEQ	EIRDRV	MAAIR	RAGNAGE	APAL	A	PA	PA	AAPEAAE	..A.....	363		
NTDB id 1245 Cj1673c YP 002345041.1	DKKLGQGS	RENSKA	FLK	ENPEI	ADEIT	KAIQ	NSMG	TEGMI	....	SGSEDD	..EGE	..E.....	.....	343	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGQGS	RENAK	ALLK	EDKAL	ADEIT	LKES	IGSNEE	I....	MPLP	DE..	PLE..	EME.....	.....	347		
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKLGQGS	RENAK	ALLK	EDKAL	ADEIT	LKES	IGSNEE	I....	MPLP	DE..	PLE..	EME.....	.....	347		
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGQGR	DTVK	KELIK	DNPEL	AEELE	AKIRE	KLQAK	.....	.....	.....	.....	.....	.....	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQGS	KNNAV	KWLK	ENPEI	ADKLE	QEI	RNTL	ASNPNS	VLKAT	ASDS	ND..	ESD	VEEF	SEEEL	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIGQGS	KDNVR	VWLK	ENPEI	SD	EIDAK	IRAL	NGVEMHI	TEGT	QDET	DGE..	R.....	PEE.....	348		
NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQGS	KDNVR	VWLK	ENPEI	SD	EIDAK	IRAL	NGVEMHI	TEGT	QDET	DGE..	R.....	PEE.....	348		
NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQGS	KDNVR	VWLK	ENPEI	SD	EIDAK	IRAL	NGVEMHI	TEGT	QDET	DGE..	R.....	PEE.....	348		
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQGR	DNCRE	FLRE	NAEL	AREI	ENKV	REHLG	VTPMG	....	AVTLA	..EEVEE	..D.....	.....	352	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQGS	KANACK	YLK	ENPEI	AKTLD	DKKL	REMLLN	PENM	QLIA	ETSS	AAD..	DVE	FGAV	PEEF	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQGS	KANACK	YLK	ENPEI	AKTLD	DKKL	REMLLN	PENM	QLIA	ETSS	AAD..	DVE	FGAV	PEEF	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQGS	KNNVIR	YLEEN	PQIST	EIEAV	IREQLL	TKASD	....	QTAA	..HDETEE	..EPDLL	..ES	.....	349	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQGS	KNNVIR	YLEEN	NQIA	EIEIERN	IREQLL	TTGTN	GAVQ	..I	..EDEE	..EPDLL	..LES	349		
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQGS	KANA	AKYLE	ENPEI	IGQ	EIEQQ	IRAKLL	VTSAN	TKATP	V	AEDLA	..DADI	347		

consensus

!!!** ** ***** ***** ** **

logo

NTDB id 329975 EEI45 RS06690 WP 181950054.1	...	341
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 453 Spy49 1753c ACI62003.1	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 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