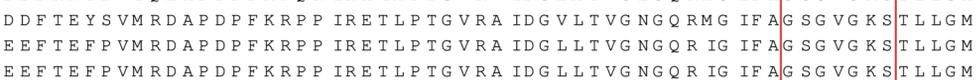


FliI [P. beninensis]	1 MKFE ISTDKYLT LAQQ RKF F F T YGKVSEV VGL I IKVEGLD V F VGE ICEVY IKG TQRKALT	60
FliI [P. fabalis]	1 MTFALTTAKYLN VVKQQPFTQ TFGKVSEV VGL LV IKVVG LASFVGE ICEVHLTSNNK IALT	60
FliI [P. fabaria]	1 MTFALATDKYLT VVKQQPFTQ TFGKVSEV VGL LV IKVVG LASFVGE ICEVHLASSHKVALT	60
FliI [P. ghanensis]	1 MTFALATDKYLT VVKQQPFTQ TFGKVSEV VGL LV IKVVG LASFVGE ICEVHLASSHKVALT	60
Conservation	 <p>*7*4+7*5***9987*84*77*9*****9***4**56*****8+588595***</p>	
	Walker B motif	
FliI [P. beninensis]	61 EVVGFVKQTVL LMPLDEL TR IGPGLVKP TGH TLKVRVADALLGHTLDG LGRPLDDVT IT	120
FliI [P. fabalis]	61 EVVGFVKNTVL LMPLDD LEG ISPGCLV VPTGRALT IKVNPALLGHTLDG LGRPMDDLE IT	120
FliI [P. fabaria]	61 EVVGFVKNTVL LMPLDD LDG ISPGCLV VPTGRALT VKVNPALLGHTLDG LGRPMDDLQ IT	120
FliI [P. ghanensis]	61 EVVGFVKNTVL LMPLDD LDG ISPGCLV VPTGRALT VKVNPALLGHTLDG LGRPMDDLQ IT	120
Conservation	 <p>*****9*****9*64*8*****5***88*799*76*****9**96***</p>	
	Walker A motif	
FliI [P. beninensis]	121 PDFKNYPVTQEAPDPFKRQK IKA IMPTGVRV IDGLMTVGEGRMG IFAGSGV G KSTLLGM	180
FliI [P. fabalis]	121 DDFTEYSVMRDAPDPFKRPP IRETLP TGVRA IDGVLTVGNQRMG IFAGSGV G KSTLLGM	180
FliI [P. fabaria]	121 EEFTEFPVMRDAPDPFKRPP IRETLP TGVRA IDGLLTVGNQRI G IFAGSGV G KSTLLGM	180
FliI [P. ghanensis]	121 EEFTEFPVMRDAPDPFKRPP IRETLP TGVRA IDGLLTVGNQRI G IFAGSGV G KSTLLGM	180
Conservation	 <p>59*7797*889*****74*9479*****8***99***7***9*****</p>	
FliI [P. beninensis]	181 IARYCAADV IV IGL IGERGREVKEF IEKDLGPEGYKKAVVVCATSDMPPLVRLKGAHVAT	240
FliI [P. fabalis]	181 MAKYAEADV IV IGL IGERGREVREF IEKDLGPEGYKKAVVVCATSDMPPLVRLKGAIVAT	240
FliI [P. fabaria]	181 MAKYADADV IV IGL IGERGREVREF IEKDLGPDGYKKAVVVCATSDMPPLVRLKGAIVAT	240
FliI [P. ghanensis]	181 MAKYADADV IV IGL IGERGREVREF IEKDLGPDGYKKAVVVCATSDMPPLVRLKGAIVAT	240
Conservation	 <p>9*9*94*****9*****9*****9*****8***</p>	
FliI [P. beninensis]	241 AIAEYRDAGKKVVLMMDSVTRFAMAQRE IGLSTGEPPTTKGYTPSVFAALPKLLERSGM	300
FliI [P. fabalis]	241 AIAEYFRDQGGKKVVLMMDSVTRFAMAQRE IGLSTGEPPTTRGYTPSVFAMLPKLLERSGP	300
FliI [P. fabaria]	241 AIAEYFRDQGGKKVVLMMDSVTRFAMAQRE IGLSTGEPPTTRGYTPSVFAMLPKLLERSGP	300
FliI [P. ghanensis]	241 AIAEYFRDQGGKKVVLMMDSVTRFAMAQRE IGLSTGEPPTTRGYTPSVFAMLPKLLERSGP	300
Conservation	 <p>*****9**6*****9*****9*****8*****7</p>	
FliI [P. beninensis]	301 SDKGS ITAFYTVLVEGDDMN EPIADAVRG ILDGH IVLSRK IAGQNHYP AVDVQNSLSRLM	360
FliI [P. fabalis]	301 AEHGS ITAFYTVLVEGDDMN EPIADAVRG ILDGH IILSRK IAGQNHYP AIDVQSSLSRLM	360
FliI [P. fabaria]	301 AEHGS ITAFYTVLVEGDDMN EPIADAVRG ILDGH IILSRK IAGQNHYP AIDVQSSLSRLM	360
FliI [P. ghanensis]	301 AEHGS ITAFYTVLVEGDDMN EPIADAVRG ILDGH IVLSRK IAGQNHYP AIDVQSSLSRLM	360
Conservation	 <p>899*****9*****9*****9*****</p>	
FliI [P. beninensis]	361 KSLVSKTQ IQDASELRENLA VYADAKDL IDIGAYKAGSNAV IDYASLNHP IDDFLQQQV	420
FliI [P. fabalis]	361 KSLVSPEHATAANKLRQ SMATYNETKDL IEIGAYQ IGTNQNDVQA INLHQP INQ ILTQSV	420
FliI [P. fabaria]	361 KSLVSPTHANAANKLRQ SMATYNETKDL IEIGAYQ VGTNQAVDHA INLHEP IKQ ILTQSV	420
FliI [P. ghanensis]	361 KSLVSPTHANAANKLRQ SMATYNETKDL IEIGAYQ VGTNQAVDHA INLHEP IKQ ILTQSV	420
Conservation	 <p>*****466785*97**899*8*798*****9***77*8*669*6**9*55**578*8*8*</p>	
FliI [P. beninensis]	421 DEFANFEQTTDQLHQ LFNGLSNL	443
FliI [P. fabalis]	421 DEHALFDNTVNQLKQLFQQPTMM	443
FliI [P. fabaria]	421 DEHAPFNNTVHQLEQLFQQPTMM	443
FliI [P. ghanensis]	421 DEHAPFNNTVHQLEQLFQQPTMM	443
Conservation	