

A1	-----	-----
Fugu_Ang	-----MQLLQPLLPAALLCCYLSPSQANRVVYVHPFSLFAAENVSCESLQTQTS-	48
Gast_Ang	-----MQWPLLALLVCCYLSGSRANRVVYVHPFYLFAAENVSCETLHTQTP-	45
Oryz_Ang	-----MQRLQAPLLVLVLCCCLS--RANRVVYVHPFYLFAAENVSCETLHQNIS-	46
Dan_Ang	-----MKMFLAFLFLSCFAMARTNRVVYVHPFNLFSSNISCEVIQSEEH-	44
Hum_Ang	MRKRAPQSEMAGVSLRATILCLLAWAGLAAGDRVYIHHPFHLVIHNESTCEQLAKANA-	59
Chick_Ang	-----MKLAAGLLCLLLCFTAVGCDRVYVHPFSLNATNESCEELERLAQ-	45
Lamp_Ang	-----MKLFIVLL-AFCAALCSPCVGEEDYDERPVMQPFHLIPPSLSVQATEQPLASN	52
Petro_Ang	-----MKLFILLLLAFCAALCSPCVGEEDYDPRPYMQPFHLIPPSLSVQATEQPLASN	53

	AFSLYRQLAHQSNSTN--IFFSPVSIATAFAMLSLGTAKADHDEILEGLNFN-----	83
Fugu_Ang	GLRMYEALS-KRHSTN--TLLSPVSTCGTLVNIFYLGASKKTASSFQSLGLSRDSDGEDC	152
Gast_Ang	GLRMYQAVSSKQPGTN--TLFSPVNTYGSLSVTLLLGASKKTAARSFYLLNLNRHTDREDC	150
Oryz_Ang	GLRMYVALSRKQRSEN--TLFSPVNTCGSLFSFYLGASKKTAASYFLRLGLS-DTDREEC	148
Dan_Ang	GLRMYQTLRSRTQKHTN--TLLSPLNAFGALVTLYLGASKKTAISYQQLGLNLESEQTDC	148
Hum_Ang	GFRIFYGMHSELWGVVHGATVLSPTAVFGTLASLYLGALDHTADRLQAILG--VPWKDKNC	171
Chick_Ang	GMRFYNLQREARQGQN--VLLSPTSLYGSLASFYLGASNOAADLQGLGFVPPSGDSNC	155
Lamp_Ang	GFRLYKQVLGGAGPADN-IFFSPLSIASALGVVTAGANGSRAELDTALGFKEHLHGK--	169
Petro_Ang	GFRLYKQVLGGAGPADN-IFFSPLSIASALGVVAAANGSRAELDTALGFKEHLHGK--	170

[illegible]

A1	G-K	QHL	E--LTHDIITKFL	EDRS--ASLHLPKL	SITGT	YDLKS	VLGQLG---	IT	309
Fugu_Ang	RTD	HNV	SK--LPKNIISDWI	QNLS	EGET--LELTLPKF	SMSSVHDMRDLLANMN	PEIEA		382
Gast_Ang	GAD	HKI	SK--LLTKVFSGW	HQSLREGL--LESLPKF	SMSETYLRDLLTNMD	PEIET			380
Oryz_Ang	GVN	SDI	TEANLHTNVFSAWH	QNLQEGP--LESLPKLSTSVNDL	NELLTNMNP	PEIA			380
Dan_Ang	GAS	QDI	KP---LLTVIPTWLR	HLKEY--LESLPKFSLTAVTDLR	SVLSEMA--VEK				374
Hum_Ang	ASD	DKV	EGL--TFQQNSLNWMKK	LSPRT--IHLTMPQLVLQG	SYDLQDLAQAE---	LP			402
Chick_Ang	GND	DKV	EAK--LPLQSSA-WLENL	SPRK--IKLTLPEFRIEDSSDLQEFLADM	K---	LP			380
Lamp_Ang	TED	PKV	ES--VSQELEEWSLLGP	SNHYVQLSLPKFKISV	SYDLKAYLSAMG---	MS			394
Petro_Ang	TEE	PKV	ES--VSQELEEWSLLGP	-----	-----	-----	-----	-----	366

A1	FVFLMIEQNTKSPLFMGKVVNPTQK-	394
Fugu_Ang	FFFCVSEANSNAILMLGKITNPTE--	462
Gast_Ang	FFFSVIEGNSNAILMLGKITNP TL--	460
Oryz_Ang	FFFSVIEGYNNAILLLGKITNP LL--	460
Dan_Ang	FFFAVVEGNSNAILMLGKIINPTA--	454
Hum_Ang	FLFAVYDQSATALHFLGRVANPLSTA	485
Chick_Ang	FLLAVFEAKSRAMLFLGRVTNP LQEV	464
Lamp_Ang	FVVLIIYDEKTRAVIFMGRVADPKQ--	478
Petro_Ang	-----	