Block 1 — logo

	Sequence
MouseB	MAAAAVVAATVPAQSMGADGASSVHWFRKGLRLHDNPALLAAVRGARCVRCVYILDPWFAASSSVGINRWRFLLQSLEDLDTSLRKLNSRLFVVRGQPADVFPRLFKEWGVTRLTFEYDS
BirdG	MAAAAALG.PAPAL....CRSVHWFRRGLRLHDNPALQEALRDATSLRCIYILDPWFAASSAVGINRWRFLLQSLEDLDNSLRKLNSRLFVVRGQPTDVFPRLFKEWGVTRLTFEYDS
FrogI	...............MNGKNCFPT....................RFLLQSLEDLDTSLRKLNSRLFVVRGQPADVFPRLFKEWGVSRLTFEYDS
FishE	...............MVVNSVHWFRKGLRLHDNPALQEALNGADTVRCVYILDPWFAGSANVGVNRWRFLLESLEDLDTSLRKLNSRLFVVRGQPTDVFPRLFKEWNVTRLTFEYDS

Block 2 — logo

	Sequence
MouseB	EPFGKERDAAIMKMAKEAGVEVVTENSHTLYDLDRIIELNGQKPPLTYKRFQALISRMELPKKPAVAVSSQQMESCRAEIQENHDTYGVPSLEELGFPTEGLGPAVWQGGETEALARLD
BirdG	EPFGKERDAAIVKLAKEAGVEVVIENSHTLYDLDRIIELNGHKPPLTYKRFQAIISRMELPKKPVSTVISQQMETCKVDIQENHDDVYGVPSLEELGFPTDGLAPAVWQGGETEALARLD
FrogI	EPFGKERDAVIMKLAKEAGVEVIVENSHTLYDLDRIIELNGHSPPLTYKRFQAIISRMELPRRPAPSVTRQQMEACRAEIKRNHDETYGVPSLDELGFHSEIKGPSIWPGGETEALARLD
FishE	EPYGKERDAAIIKMAQEYGVETVVRNTHTLYN.DRIIEMNNHSPPLTFKRFQAIVNRLELPRKPLPTITQEQMARCRTQISDNHDEHYGVPSLEELGFRTQGDSLHVWKGGETEALERLN

Block 3 — logo

	Sequence
MouseB	KHLERKAWVANYERPRMNANSLLASPTGLSPYLRFGCLSCRLFYYRLWDLYKKVKRNSTPPLSLFGQLLWREFFYTAATNNPRFDRMEGNPICIQIPWDRNPEALAKWAEGKTGFPWIDA
BirdG	KHLERKAWVANYERPRMNANSLLASPTGLSPYLRFGCLSCRLFYYRLWELYKKVKRNSTPPLSLYGQLLWREFFYTAATNNPKFDRMEGNPICIQIPWDRNPEALAKWAEGKTGFPWIDA
FrogI	RHLERKAWVANYERPRMNANSLLASPTGLSPYLRFGCLSCRLFYYRLKELYKKVKRNSPPPLSLYGQLLWREFFYTAATNNPKFDQMEGNPICVQIPWDKNPKALAKWAEGKTGFPWIDA
FishE	KHLDRKAWVANFERPRISGQSLFPSPTGLSPYLRFGCLSCRVFYYNLRDLFMKLRRRSSPPLSLFGQLLWREFFYTAGTNNPNFDHMEGNPICVQIPWDHNPEALAKWAEGRTGFPWIDA

Block 4 — logo

	Sequence
MouseB	IMTQLRQEGWIHHLARHAVACFLTRGDLWVSWESGVRVFDELLLDADFSVNAGSWMWLSCSAFFQQFFHCYCPVGFGRRTDPSGDYIRRYLPKLKGFPSRYIYEPWNAPESVQKAAKCII
BirdG	IMTQLRQEGWIHHLARHAVACFLTRGDLWISWESGVRVFDELLLDADFSVNAGSWMWLSCSAFFQQFFHCYCPVGFGRRTDPSGDYVKRYLPKLKGFPSRYIYEPWNAPESVQKAAKCII
FrogI	IMTQLRQEGWIHHLARHAVACFLTRGDLWNSWECGVKVFDELLLDADFSVNAGSWMWLSCSAFFQQFFHCYCPVGFGRRTDPSGDYVRRYLPVLKAFPSRYIYEPWSAPESVQKEAKCII
FishE	IMTQLRQEGWIHHLARHAVACFLTRGDLWISWESGMKVFDELLLDADWSVNAGSWMWLSCSAFFQQFFHCYCPVGFGRRTDPSGDYIRRYIPKLKDYPNRYIYEPWNAPESVQKAANCIV

Block 5 — logo

	Sequence
MouseB	GVDYPRPIVNHAETSRLNIERMKQIYQQLSRYRGLCLLASVPSCVEDLSHPVAEPG.........SSQAGSISNTGPRALSSGPASPKRKLEAAEEPPGEELTKRARVTEMPTQEPASKD
BirdG	GVDYPKPMVNHAETSRLNIERMKQIYQQLSRYRGLCLLASVPSCVEDISGPVPDSA.........SGQGCSTS.TAVRLSQAEQASPKRKHEGAEEPCPEELYKRAKVTGLPTSEISGKS
FrogI	GIDYPKPIVNHAEASRMNIERMKQTYQQLSRYRGLCILASVPSCMEDLGGPMAD...........SSQ...NISEAAPKQSLCNVESPKRKRKVSEE....EPHMKVRVLCAPETERPAKD
FishE	GVDYPKPMINHAESSRLNIERMKQV.QQLSHYRGLSLLASVPTIQEEAEPPMSDDSQASSSSTGQASSPPHLSITAPSTPPLSESSSPNSSPTASTSVPHTQRKRVRPSETPSKQKTKVK

Block 6 — logo

	Sequence
MouseB	S...............
BirdG	L...............
FrogI	F...............
FishE	HTSQARGLELKMDDQ

X external
X ambivalent
X internal