

A

Mouse	1	MER-RSESPCLRDSPDRR-SGSPDVKGPPPVKVARLEQNGSPMGARGRPNNGAVAKAVGGL	58
Zebrafish	1	MER+R+ESP+LRDSP+RR+S+SPD++G+PP+K++RLE+NGSP+G+R+R+NGA+++++GL	59
	59	MIPVFCVVEQLDGSLEYD--NREEHAEFVLVRKDVLFSQLVETALLALGYSHSSAAQA-G	116
	60	MIPVFCVVEQ+DG++++D+++REEHAEFVLVRKD+LF+QLVETALLALGYSHSSAAQA+G	119
	117	IIKLRWNPLPLSYVTDAPDATVADMLQDVYHVVTLLKIQLQSCSKLEDLPAEQWNHATVR	176
	120	IIK+GRWNPLP+Y+TDAP+ATVADMLQDVYH+VTL+IQLQS++KLEDLP+EQWNHATVR	179
	177	NALKELLKEMNQSTLAKECPLSQSMISSIVNSTYYANVSATKCQEPFRWYKYYKKIKVER	236
	180	NALKELLKEMNQSTLAKECPLSQSMISSIVNS+YYANVS++KCQEPFRWYKYYKKIK+++	236
	237	VERENLSDYCVLQGR-PMHLFNMNQL-----ASLGTNEQSPHS-----	274
	237	VER+N++D+CVL+QR+P+HL+++++QL++++++SL+K+N+++++P++++++P++++++	296
	275	VERDNIADFCVLAQRPPHLTALGQLGPLNSAGSLVKNGSGEPQNSAQSPPPQGGPQPP	323
	297	----QIHHSTPIRNQVP-----ALQPIM-SPGLLSPQLSPQLVRQQIAMAHLINQQIAV	356
	324	++++Q+HHS+P+R+QVP+++++ALQP+++++GLLSPQLSPQLVRQQ+AMAHLINQQ+AV	
	356	SSLGQLHHSPPRLRAQVPPPPPPAALQPLLAPGGLLSPQLSPQLVRQQLAMAHLINQQIAV	

B

	377	SRLLAHQHPQAINQQFLNHPPIPRAVK-----PEPTNSSVEVSPDIYQQVRDELKRASV	377
	415	SRL+HQHPQA+NQQFLNHPPIPR+K+++++P+++++S+EV+S+DIYQ+VRDELKRASV	415
	437	SRL-LHQHPQALNQQFLNHPPIPRPSKSGGPEPGSNPSAAEVSSDIYQVRDELKRASV	437
	475	SQAVFARVAFNRTQGLLSEILRKEEDPRTASQSLLVNLRAMQNFLNLEVERDRIYQDER	475
	475	SQAVFARVAFNRTQGLLSEILRKEEDPR+ASQSLLVN+L+AMQNFLNLE ERDRIYQ+ER	
	475	SQAVFARVAFNRTQGLLSEILRKEEDPRASQSLLVNLRAMQNFLNLEPESERDRIYQEER	

C

	497	ERSMNPVMSVSSASSPSSSRTPQAKTSTPTTDLPIKVDGANVNITAAIYDEIQQEMKR	497
	532	ERSMNP+VS+++S+++SP+++R++Q+K++TP++DLP+K++++VNIT+AIYDEIQQEMKR	532
	557	ERSMNPVSLPPTNPSPGAVRLSQCK--TPNPDLPVCKLEP-VNITSAIYDEIQQEMKR	557
	592	AKVSQALFAKVAANKSQGWLCELLRWKENPSPENRTLWENLCTIRRFLNLPQHERDVIYE	592
	592	AKVSQALFAKVAANKSQGWLCELLRWKE+PSPENRTLWENLCTIRRFL+LPQ++RD++YE	
	592	AKVSQALFAKVAANKSQGWLCELLRWKESPSPENRTLWENLCTIRRFLSLPQTRDRMVE	
	612	EESRHHHSERMQHVQVLPPEPVQVLRHQSQPTKESPPREEAPPPPPPTEDSCA-----	612
	651	EESRHHHSER++H+V+++P+++Q+LHRQ++QP+K++SP+RE+++P++++E+++A++++	651
	651	EESRHHHSERL-HTVHLHLPDTPQALHRQPMQPLKDHSPiREDPISSGAENPQANTGSG	651
	663	-----KKPRSRTKISLEALGILQSFIDHVGLYPDQEAihtLSAQLDLPKHTI IKFF	663
	711	+++++++KKPRSRTKISLEALGILQSFIDHVGLYPDQEAihtLSAQLDLPKHTI+KFF	711
	711	NNGPVVSVTKKPRSRTKISLEALGILQSFIDHVGLYPDQEAihtLSAQLDLPKHTIVKFF	711
	664	QNQRVHVKHHGKLKE--HLGSAVDVA 687	687
	712	QNQRVHVKHHG+LKE++++G++VDVA 737	737
	712	QNQRVHVKHHGRLEKELGSEGGVDVA 737	737