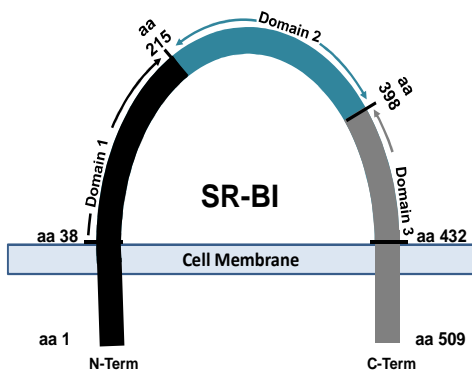


Figure S5

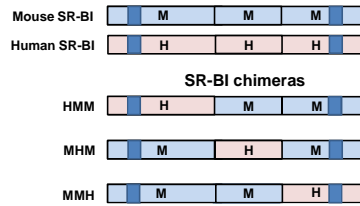
A.

	1	10	20	30	40	50	60	70	80	90	100	110	120	130
Human	MGCSAKRRWAGALGVAGLLCAVLGAVHIVHVPSLIKQVVKVVRIDPSSLSFNMHKEIPFPFYL SVYFFDVMNPSEILKGEKQVRRERGPYYRFRHKSNIITFNNDTVSFLEYRTFQFQPSKSHGSE													
Mouse	MG6SSRRARWALGLGALGLLFAALGVVHILHVPSLIKQVVKVVRIDPSSLSFGMHKEIPVFPFYL SVYFFEVVNPNEVLNGQKPVRRERGPYYRFRQKVNITFNNDTVSFLENRSfHFQPKSHGSE													
Consensus	MGcSakRRwAgalGaaGLLcAaLgAvHIIHVPsLIKQvLkNvRIDPSSLSfGmHkEIPFPfYlSVyFFdVnNPnEILkGeKqVRRERGPYYRFRhKsNIITFNNDTVSFLEnRsfHFQPKSHGSE													
	131	140	150	160	170	180	190	200	210	220	230	240	250	260
Human	SDYIVHPNIIVLGAAVMEHKPHTLKLINTLAFITLGERAFHNRITVGEIMHGKQDPLVNLINKYFPGMFPFKDFGLFAELNNSDSGLFTVFTGVQNI SRIRHLVDKHNGLSKVDFHHSQCNNHNGTSGQ													
Mouse	SDYIVLPNIIVLGGGILMEKSPVSLKMLHTLALVTMGQRAFHNRITVGEILAGYDDPFVHFLNTYLPDMLPIKGFGLFVGHNNNSGVTFTVFTGVQNF SRIRHLVDKHNGLSKIDYHHSQCNNHNGTSGQ													
Consensus	SDYIVIPNIIVLGaaIIMeNkPmSLkLlHTLafItLGeRafHNRITVGEIlAGyDdPfvHfLnkYfPdmfPKdKfGLfaeINNSdSGlFTVFTGVQNI SRIRHLVDKHNGLSKIdYHHSdQCNNHNGTSGQ													
	261	270	280	290	300	310	320	330	340	350	360	370	380	390
Human	HMPPFHTPESSLEFYSPACRSMKLHYKESGVFEGIPTYRFVAPKTLFANGSIYPPNEGFCPCLESQIQNVSTCRFSAPLFLSHPHFLNADPVLAEAVTGLHPNQEAHSLFLDIHPVTGIPMNCVSKLQL													
Mouse	HMAFPHTPESSLEFFSPACRSMKLTYNESRVFEGIPTYRFAPDILFANGSIYPPNEGFCPCRESGIQNVSTCRFGAPLFLSHPHFYNADPVLSEAVLGLNPNPKEHSLFLDIHPVTGIPMNCVSKMLQL													
Consensus	HMaFPHTPESSLEFFSPACRSMKLhYkESgVFEGIPTYRFAPdILFANGSiYppNEGfCPClESGIQNVSTCRfGAPLFLSHPHFlnADPVLaeAVlGLhPNpEaHSLFLDIHPVTGIPMNCVSKlQL													
	391	400	410	420	430	440	450	460	470	480	490	500	509	
Human	SLYIKSVAGIGTGKIEPVVPLLLAFESGAMGKPLSTFYTQLVLMKQVHYAQYVLLALGCVLLLVPIICQIRSQEKCFLFMSGSKKGSQDKERIQAYSESLNSPAAKGTVLQEAFL													
Mouse	SLYIKSVAGIGTGKIEPVVPLLLAFESGAMGKPLSTFYTQLVLMKQVHYAQYVLLALGCVLLLVPIICQIRSQEKCFLFMSGSKKGSQDKERIQAYSESLNSPAAKGTVLQEAFL													
Consensus	SLYiKsVaGIgTgKIEpVvPLlLlAFeSgAMeGepLhTFYtQLVlMkQvHYaQYvLLaLgCvLLLVpIICQIRsQeKcFLfMSgSKKGSQDKERIQAYSESLNSpAAkGsvLQEAFL													

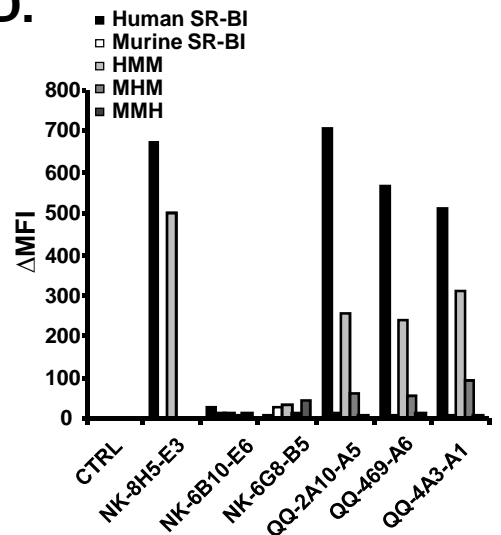
B.



C.



D.



E.

