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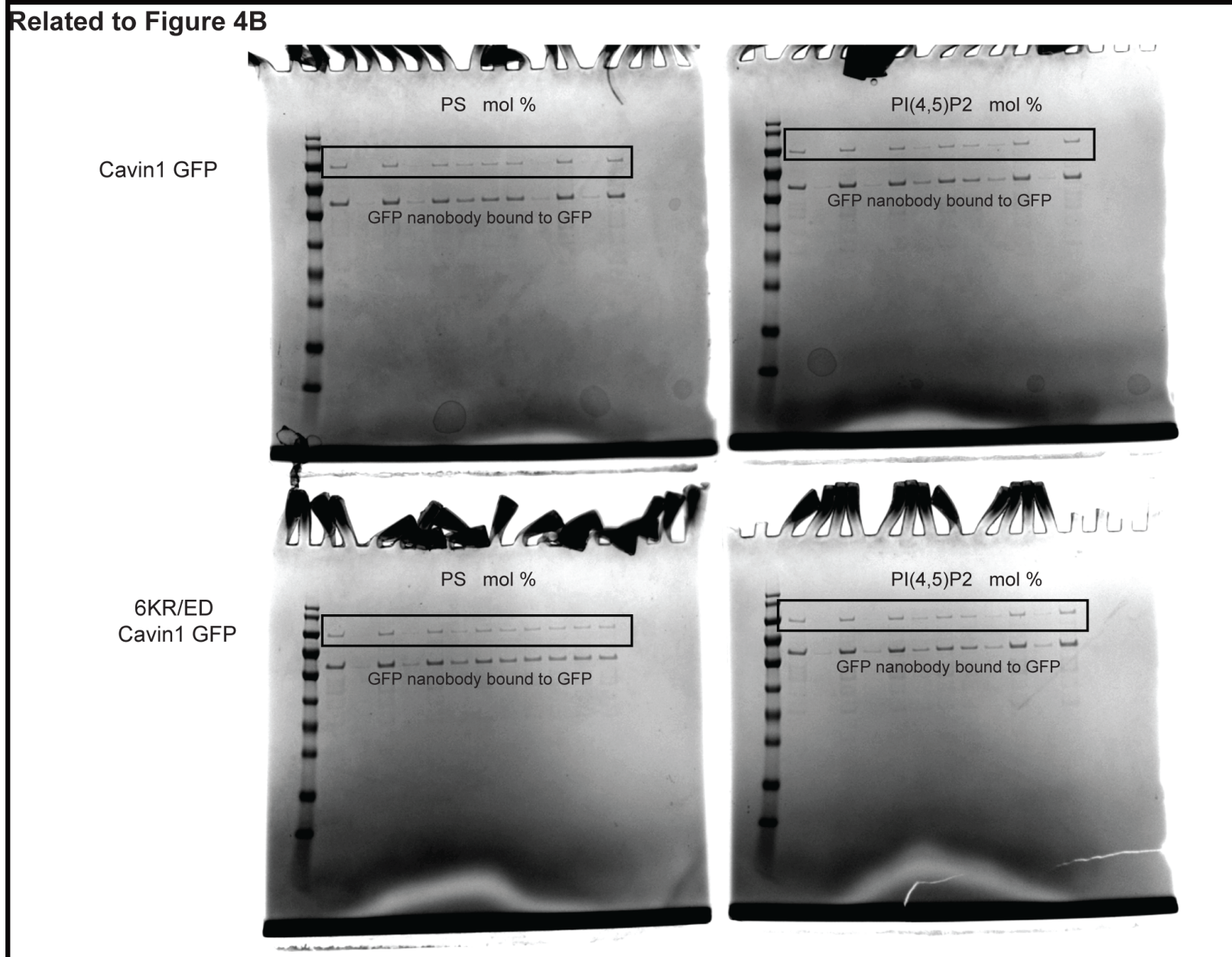
Appendix Figure S1

Cavin1 undecad sequences from species used in bio-informatic analysis

Derived from Uniprot	Species	Protein	Undecad repeat number	Amino acid residue					
				Repeat 1	Repeat 2	Repeat 3	Repeat 4	Repeat 5	Repeat 6
Actinopterygii	Spotted gar	Cavin1	2	MEKTRQKTRDN	LEKTRQKTKEN				
	Great blue spotted mudskipper	Cavin1b	6	MDKTRAKTKEN	LEKTKQKTKDN	IEKTKQKTKEN	IEKTKQKTKEN	IEKTKQKTKEN	LEKTRQKTKEN
		Cavin1a	2	LEKTKIKTKEN	LEKTRQKTRDN				
	Zebrafish	Cavin1b	5	MEKTKQKTKEN	LEKTKQKTKEN	LEKTRMRTKEN	LEKTRQKTKEN	LEKTKQKTKEN	
		Cavin1a	3	MQKTRQKTKEN	LEKTRMRTKEN	LEKTRQRTREN			
	Mexican cave fish	Cavin1b	5	MEKTKQKTKDN	LEKTKQKTKEN	LEKTRMKTKEN	LEKTKQKTKEN	LEKTRQKTKEN	
		Cavin1a	3	MEKTRQRTKEN	LEKTRQRTKEN	LEKTRQKTKEN			
	Tilapia	Cavin1b	1	MDKTRAKTKEN	LEKTRQKT----				
		Cavin1a	3	IEKTKLTKEN	LEKTKQRTREN	LEKTRQRTDN			
	Medaka	Cavin1b	1	MDRTRAKTKEN	LEK-----				
		Cavin1a	3	MEKTKQKTKEN	LEKTKKRTREN	LEKTRQRTDN			
	Platyfish	Cavin1b	5	MDKTRAKTKEN	LEKTRQKTKEN	IEKTKQKTKEN	LEKTRQRTKEN	IEKTKQKTKEN	
		Cavin1a	3	MEKTKLTKEN	LEKTKQRTREN	LEKTRQKTRDN			
	Amazon molly	Cavin1b	5	MDKTRAKTKEN	LEKTRQKTKEN	IEKTKQKTKEN	LEKTRQRTKEN	IEKTKQKTKEN	
		Cavin1a	3	MEKTKLTKEN	LEKTKQRTREN	LEKTRQKTRDN			
	Fugu	Cavin1b	2	MDKTRAKTKEN	IEKTKQKTKAN				
Cavin1a		3	MEKTKTKTKEN	YEKTKQKTKEN	LEKTRQKTRDN				
Sarcopterygii	Coelacanth	Cavin1	1	MEKTKQKTKEN					
	Tasmanian Devil	Cavin1	2	MEKTKVRTREN	LEKTRLTKEN				
	Koala	Cavin1	2	MEKTKVRTREN	LEKTRLTKEN				
	Zebra finch	Cavin1	1	MEKTKLTKEN					
	Chicken	Cavin1	1	MEKTKLTKEN					
	Duck	Cavin1	1	MEKTKLTKEN					
	Chinese softshell turtle	Cavin1	1	MEKTKLTKEN					
	Rat	Cavin1	2	MEKTKVRTREN	LEKTRLTKEN				
	Chimpanzee	Cavin1	2	MEKTKVRTREN	LEKTRLTKEN				
	Mouse	Cavin1	2	MEKTKVRTREN	LEKTRLTKEN				
	Elephant	Cavin1	2	MEKTKVRTREN	LEKTRLTKEN				
	Human	Cavin1	2	MEKTKVRTREN	LEKTRLTKEN				
	Gorilla	Cavin1	2	MEKTKVRTREN	LEKTRLTKEN				
	Armadillo	Cavin1	2	MEKTKVRTREN	LEKTRLTKEN				
	Flying Lemur	Cavin1	2	MEKTRVRTREN	LEKTRLTKEN				
	Dog	Cavin1	2	MEKTKVRTREN	LEKTRLTKEN				
	Carolina anole	Cavin1	2	MEKTKLTKEN	LEKTKLTKEN				
	Frog	Cavin1	1	MEKTKVTKEN					

Appendix Figure S2

Raw SDS-PAGE gels related to Figure 4B



Appendix Figure S3

Raw SDS-PAGE gels related to Figure 5C

