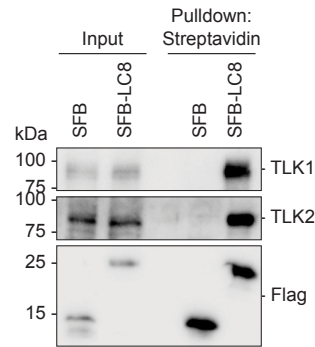


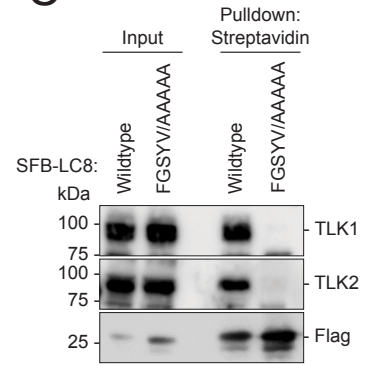
A

Identified Protein	Spectral Counts	Identified Protein	Spectral Counts
TLK1 (Bait)	645	TLK2 (Bait)	1296
TLK2	194	TLK1	251
PGAM5	26	TUBB	114
HSPA1B	22	HSPA8	91
HSPA8	20	HSPA1B	48
HSPA5	16	HSPA5	43
LC8	15	LC8	41
HNRNPM	14	ACACA	30
RPL11	14	MCCC2	29
ACACA	12	HNRNPM	23

B



C



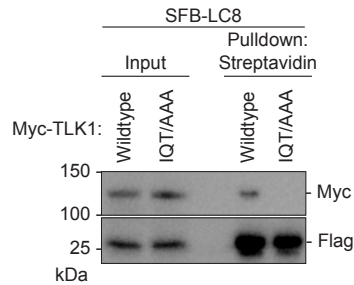
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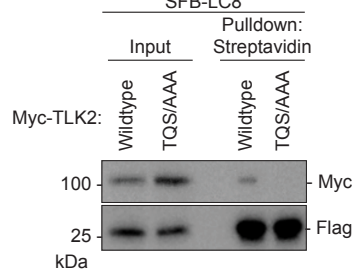
E

	Putative LC8-binding motif			
	Sequence	Position	Residue	
TLK1	Homo	QLSFKI IQ DLTMLR	220	
	Mus	QLSFKITQ DLTMLR	220	
	Rattus	QLSFKITQ DLTMLR	220	
	Sus	QLSFKITQ DLTMLR	220	
	Felis	QLSFKITQ DLTMLR	220	
	Bos	QLSFKITQ DLTMLR	24	
	Pan	QLSFKI IQ DLTMLR	241	
	Gallus	QLSFKITQ DLTMLR	322	
	Ficedula	QLSFKITQ DLTMLR	188	
	Xenopus	QLSYKLVQ DLTMLR	176	
	Danio	QLSSRSVQ DLTMLR	221	
	TLK2	Homo	SIQHRQTO DLTMEK	216
		Mus	SIQHRQTO DLTMEK	183
		Rattus	SIQHRQTO DLTMEK	165
Sus		SIQHRQTO DLTMEK	165	
Felis		SIQHRQTO DLTMEK	177	
Bos		SIQHRQTO DLTMEK	165	
Pan		SIQHRQTO DLTMEK	141	
Gallus		SIQHRQSQ DLTMEK	224	
Ficedula		SIQHRQSQ DLTMEK	187	
Xenopus		SIQHRCTQ DLTMDK	140	
Danio	HTQHRASQSELTMEK	137		

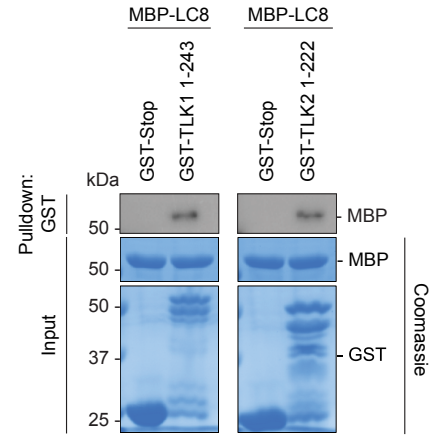
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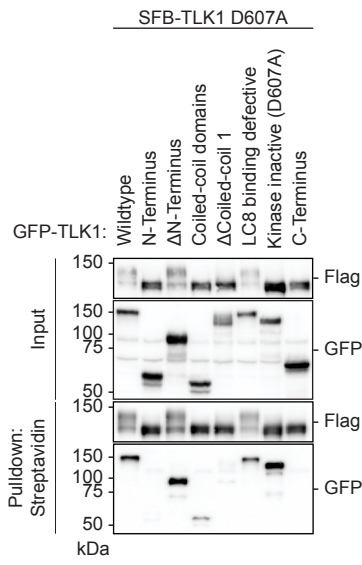
G



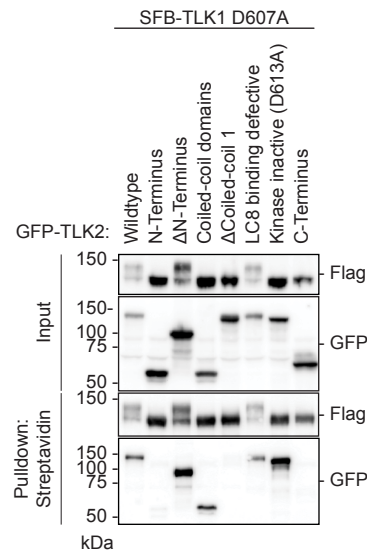
H



A



B



C

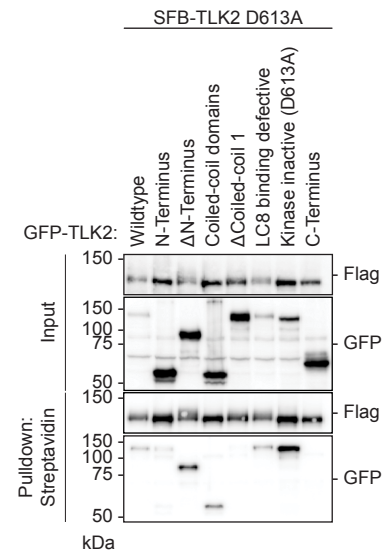


Figure S3

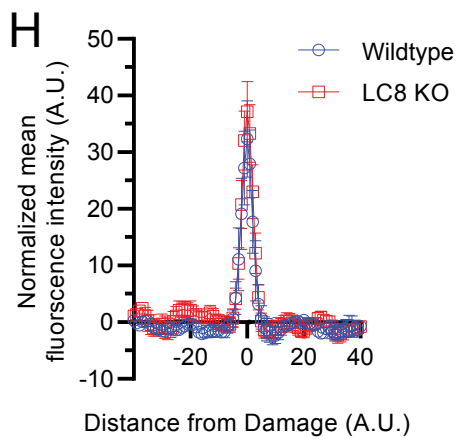
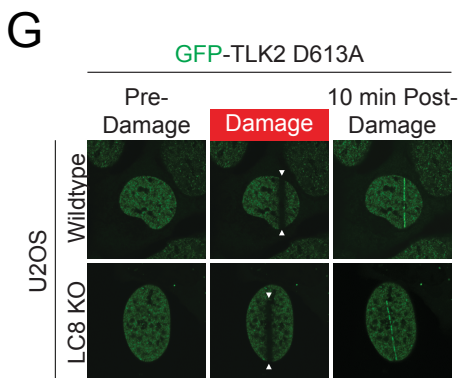
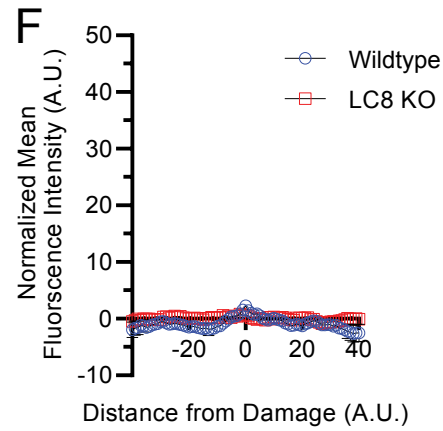
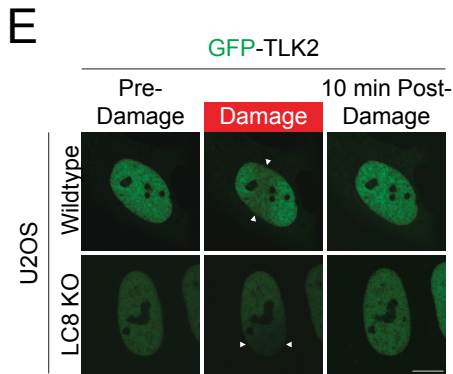
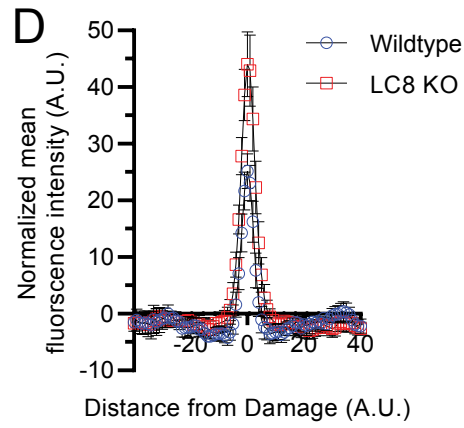
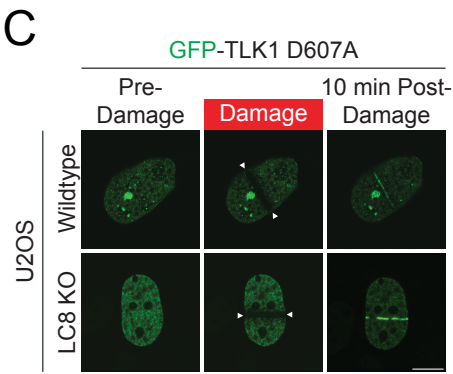
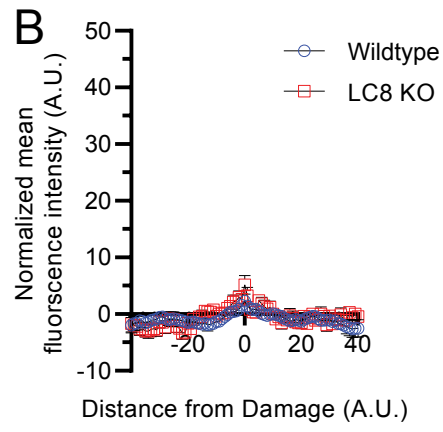
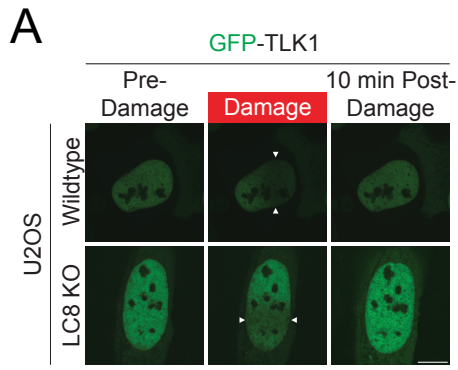
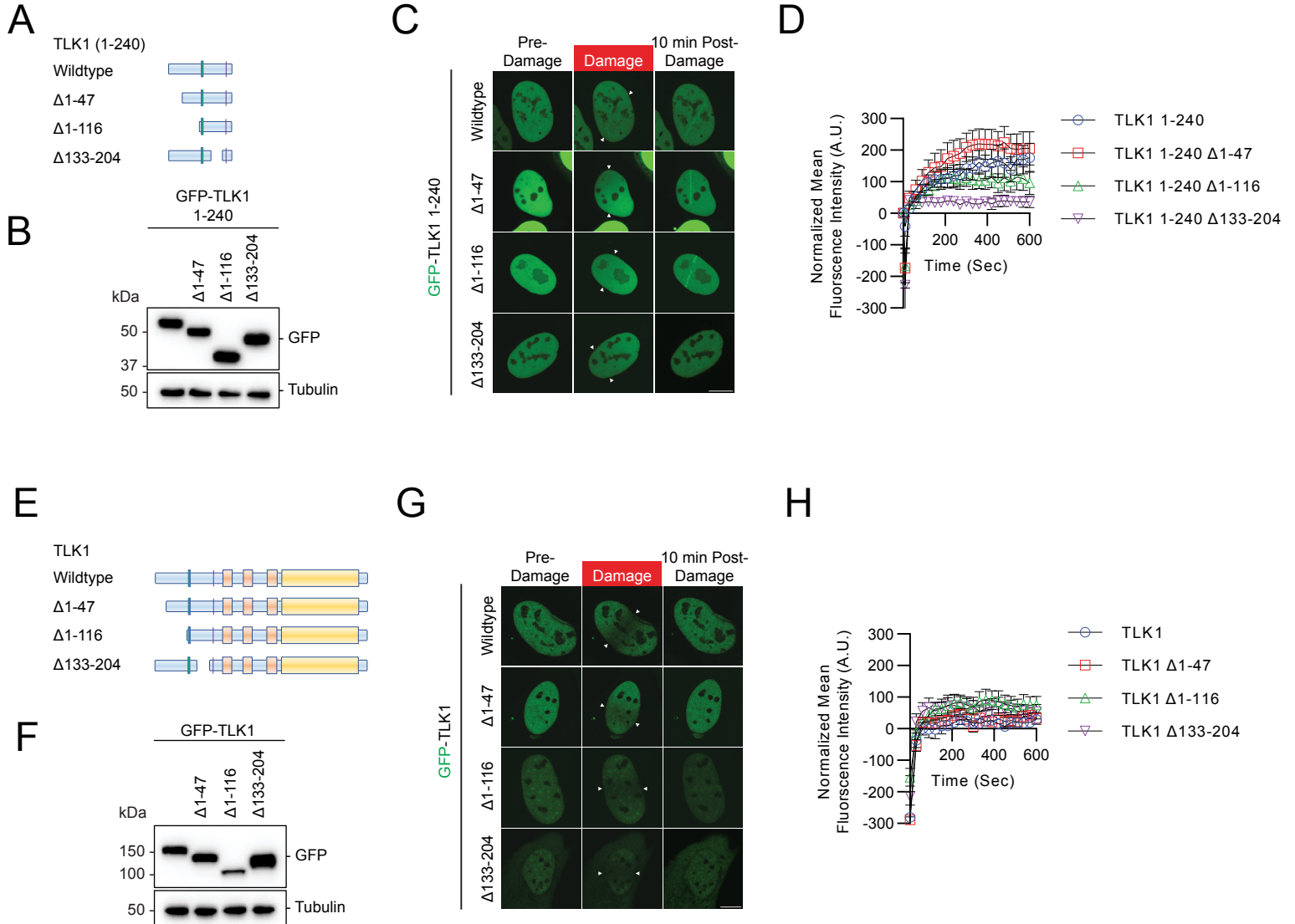


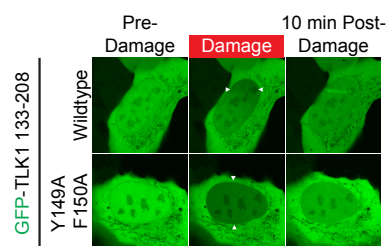
Figure S4



A

Identified Protein	Spectral Counts	
	TLK1 133 - 208	TLK1 133-208 Y149A F150A
TLK1 (Bait)	19	17
DSP	9	N.C.
HSPA4	7	6
HSPA4L	7	7
RNH1	6	5
PCNA	6	N.C.

B



C

