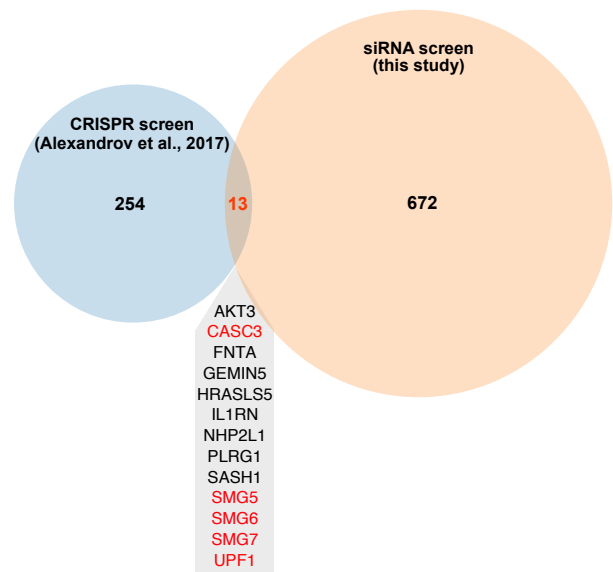


Figure 1 - figure Supplement 2

A



B

		siRNA screen			CRISPR Screen			
		Median Seed						
		Gene	Corrected Z-Score	P-value	Rank	log2FC	P-value	Rank
UPF proteins	UPF1	1.76	3.05E-03	62	1.96	2.21E-04	6	
	UPF2	0.98	>0.05	193	4.07	2.26E-03	15	
	UPF3B	0.72	1.15E-02	470	0.15	>0.1	1828	
SMG proteins	SMG1	7.60	2.41E-03	1	na	na	na	
	SMG5	2.25	3.20E-03	47	4.03	< 10E-06	1	
	SMG6	4.75	2.47E-03	14	3.86	< 10E-06	2	
	SMG7	2.14	2.77E-03	51	6.32	< 10E-06	3	
	SMG8	0.44	2.28E-03	1469	na	na	na	
	SMG9	0.17	>0.1	3859	na	na	na	
core EJC	EIF4A3	6.90	2.41E-03	3	na	na	na	
	RBM8A	7.04	2.41E-03	2	na	na	na	
	MAGOH	5.65	2.43E-03	8	na	na	na	
	CASC3	3.92	2.57E-03	19	1.28	4.13E-01	120	
EJC assembly & associated	CWC22	1.07	1.22E-02	150	0.60	>0.1	1450	
	AQR	6.46	2.42E-03	6	na	na	na	
	ACIN1	0	>0.1	13890	1.33	>0.05	412	
	RNPS1	-0.70	>0.1	20388	na	na	na	
other	NBAS	0.26	>0.1	2955	na	na	na	
	PNRC2	0.52	>0.05	1074	na	na	na	
	DHX34	0	>0.1	6499	-0.37	>0.1	3715	

■ = p-value < 0.05

na = no sgRNAs sequenced