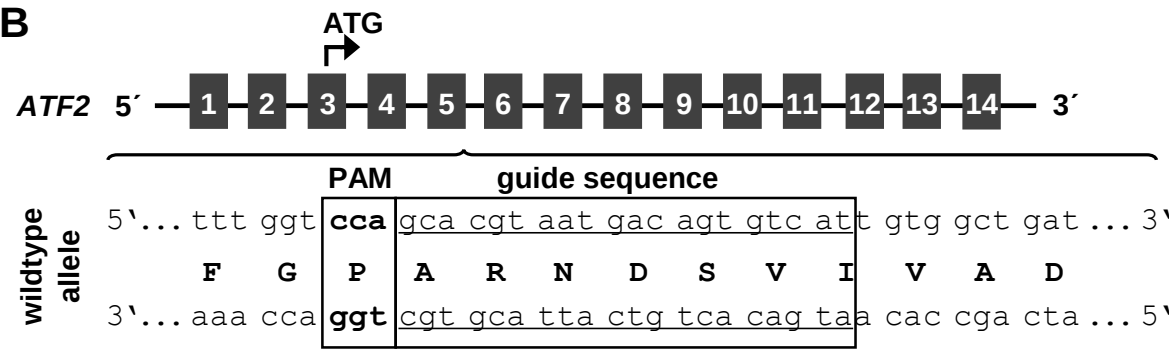


A

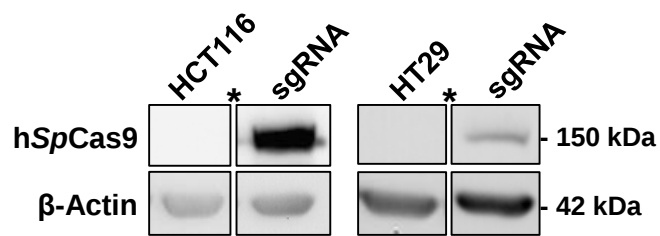
RefSeq	Oligo name	Oligo DNA pairs ^{a,b}	PAM ^c	Position	ON-target score	OFF-target score	Strand
NM_001880.4 (ATF2)	hATF2_sgRNA_2_for	3'- cacc GATGACACTGTCATTACGTGC -5'	TGG	exon 5	27.43	46.75	-1
	hATF2_sgRNA_2_rev	5'- aaac GCACGTAATGACAGTGTGCAT C -3'					+1

^a BbsI restriction site overhang: forward **cacc**, reverse **aaac**; ^b additional G-C pair for U6 transcription; ^c PAM: protospacer adjacent motif

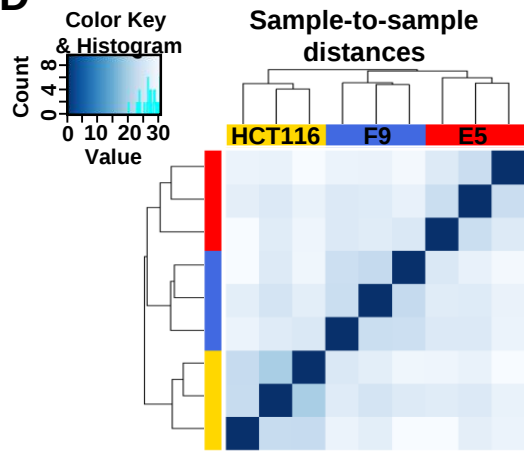
B



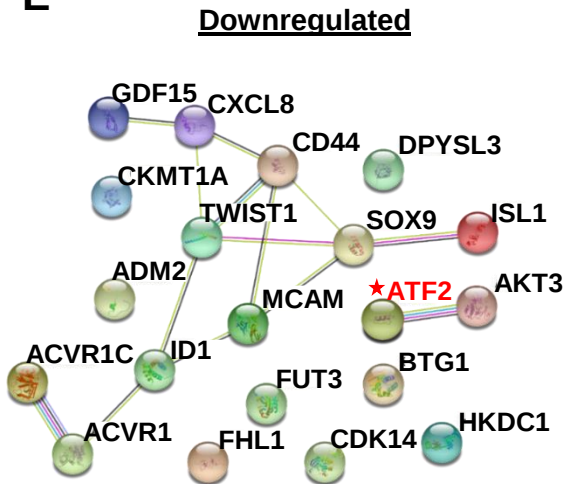
C



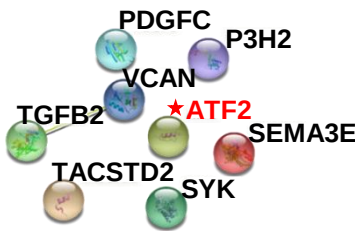
D



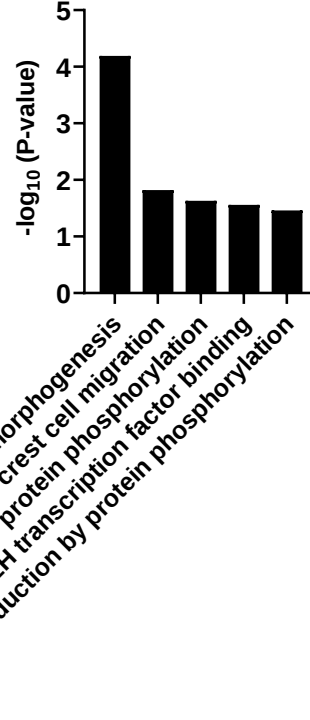
E



Upregulated



F



G

