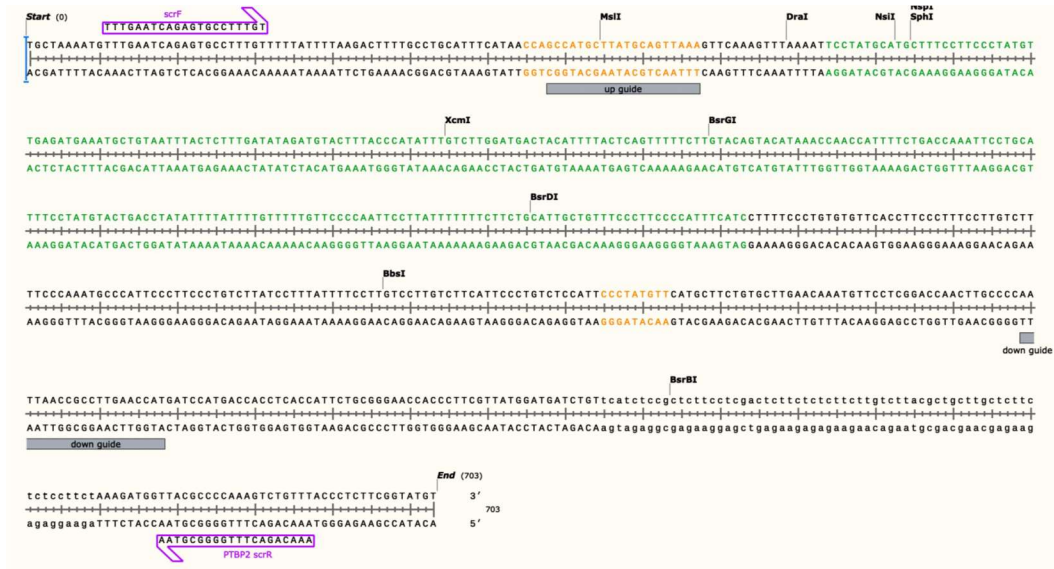


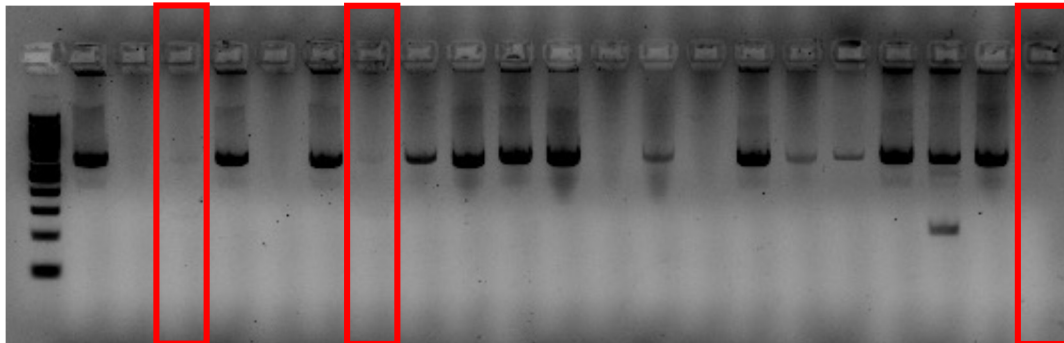
CRISPR DELETION EXPERIMENTAL DESIGN AND CLONE SELECTION

Green text is the minimal region of deletion, orange text are the CRISPR sites. Primers used for screening labelled

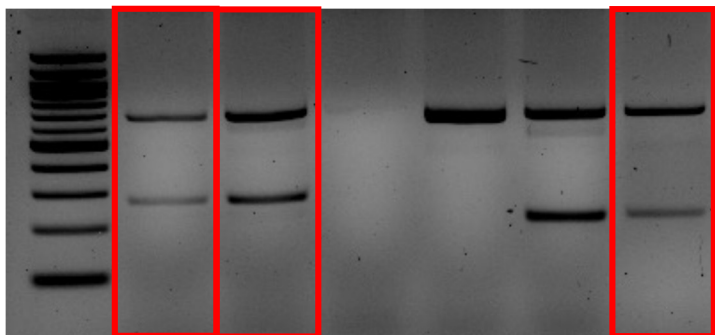
PTBP1 exon 10 upstream intron deletion



Initial screen of clones:



Clonal expansion for gDNA:

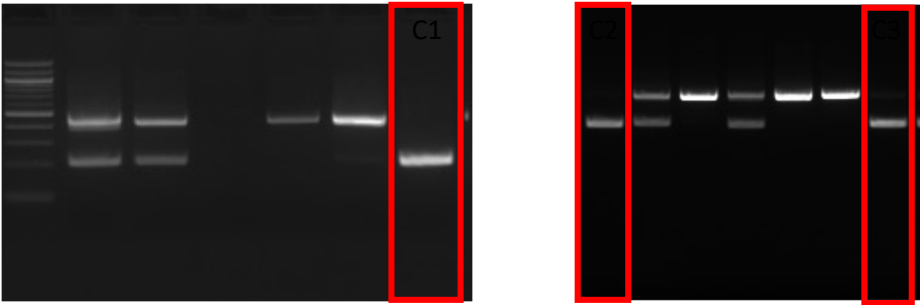


3 clones highlighted were selected sequencing and analysis. Deletions were highly detrimental to cell viability, and full knockout may be lethal. Heterozygous knockouts were used.

SMDNC1 exon 3 upstream intron deletion



Initial screen of clones:



Confirmation of positive clones with knockout:

External F primer	Internal F primer
WT: 468 bps	WT: 308 bps
KO: 221 bps	KO: no product

