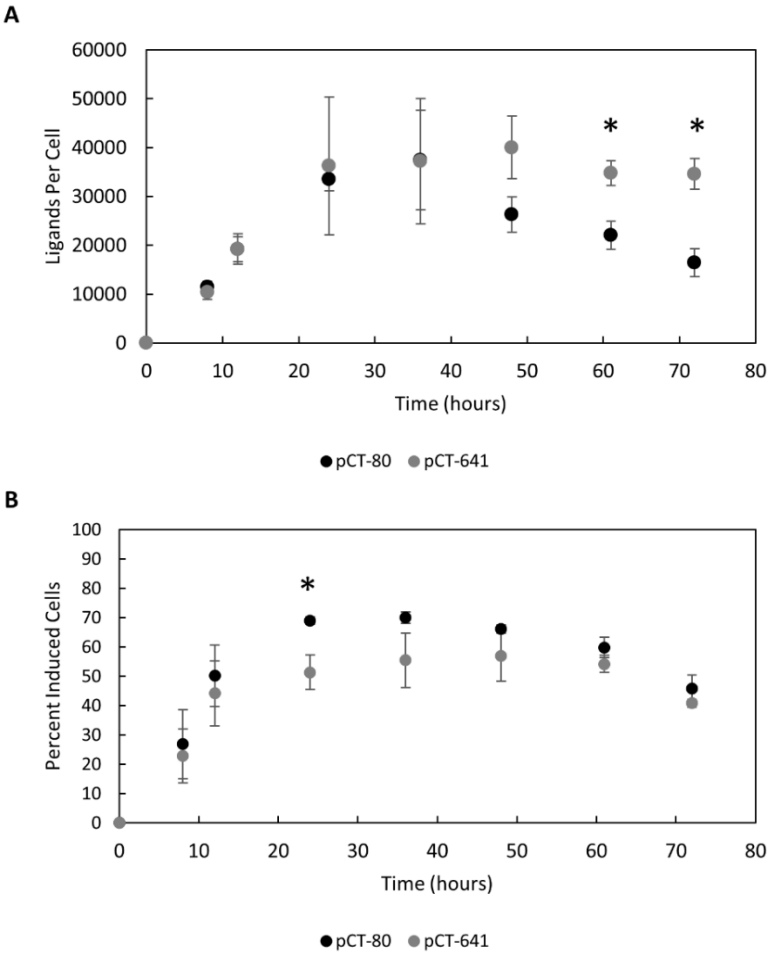
Type	Name	Sequence
Repeat Sequences	PAS_{38}	PAAPAPASPAAPAPSAPAASPAAPAPASPAAPAPSAPA
	PAS_{18}	PAAPAPASPAAPAPSAPA
	$(G_4S)_3$	GGGGSGGGGSGGGGS
Linkers	pCT-80	[Aga2p] - KDNSSTIEGRYPYDVPDYALQAS - PAS_{40} - $(G_4S)_3$ - AS
	pCT-961	[Aga2p] - KDNSSTIEGRYPYDVPDYALQAS - PAS_{40} - $(G_4S)_3$ - APR - $[PAS_{18}$ - $(G_4S)_3$ - $AR]_{15}$ – PAS_{18} - $(G_4S)_3$ - AS

SI Table 1. Repetitive amino acid sequences and linker sequences used in pCT-80 and pCT-641.



SI Figure 1. Yeast containing pCT-80 or pCT-641 expression plasmids encoding for E6.2.6' were grown at 30°C and induced at 20°C. Aliquots were taken from each sample at specified timepoints and labelled with an anti-c-myc antibody and anti-mouse-FITC secondary antibody. Their fluorescence was analyzed by flow cytometry and compared to a quantitative bead standard labelled with the same antibody mixture to determine ligand expression. Ligand expression (A) and percent induction (B) are presented as the mean of three samples ± standard deviation. * indicates $p < 0.05$ difference between pCT-80 and pCT-641.