

**Table S1. Growth phenotype of yeast AH109 cells co-transformed with different PvTRAg constructs**

S.No.	Transformation constructs		Selection on dropout media		
	BAIT	TARGET	SD-Leu <sup>-</sup> /Trp <sup>-</sup>	SD-Leu/Trp/His <sup>-</sup>	SD-Leu/Trp/His/Ade <sup>-</sup>
1	-	pGAD vector	-	-	-
2	pGBK vector	-	-	-	-
3	pGBK-AL4	pGAD-AL1	+	+	+
4	pGBK-PvTRAg36.6	pGAD vector	+	-	-
5	pGBK-PvTRAg36.6	pGAD- PvETRAMP	+	+	+
6	pGBK-PvTRAg52.6	pGAD vector	+	-	-
7	pGBK-PvTRAg52.6	pGAD- PvMSP7	+	+	+

SD-Leu<sup>-</sup>/Trp, leucine and tryptophan double dropout; SD-Leu/Trp/His, , leucine, tryptophan and histidine triple dropout; SD-Leu/Trp/His/Ade<sup>-</sup>, leucine, tryptophan, histidine and adenine quadruple dropout.