Supplementary Table 1: Plasmids used in this work.

Name	Description	Source
pCS2-GFP	GFP expression vector	
pCMV-Sport6	Empty vector	Invitrogen
pCMV-Sport6-*Xl-gnpat*	Full length *Xl-gnpat* (Image clone 6946416)	Open Biosystems
pCMV-Sport6-*Xl-gpam*	Full length *Xl-gpam* (Image clone 8070414)	Open Biosystems
pCMV-Sport6-*Xl-gpam*-R317A	Full length *Xenopus laevis (Xl)gpam* mut R317A	This study
pCRII-TOPO-*Xl-gnpat*-5'end	Probes (Sense: XhoI + Sp6; Antisense: BamH1 + T7)	This study
pCRII-TOPO- *Xl-gpam* -5'end	Probes (Sense: XhoI + Sp6; Antisense: BamH1 + T7)	This study
pYES 2.1-TOPO	Yeast vector, 2μ, *URA3* selection marker, *GAL* inducible promoter, C-end V5 His_6 tags	Invitrogen
Xl-gnpat-V5-His_6	*Xl-gnpat* in pYES2.1	This study
Xl-gpam -V5-His_6	*Xl-gpam* in pYES2.1	This study
Xl-gpam-R317A-V5-His6	*Xl-gpam*-R317A-V5-His6 in pYES 2.1	This study
pDONR221	Gateway donor vector for generation of entry clones	Invitrogen
Xl-gnpat entry	*Xl-gnpat* in pDONR221	This study
*Xl-*Δ*129N-gnpat* entry	Truncated *Xl-*Δ*129N-gnpat* (lacking exon1-3) in pDONR221	This study
Xl-N^{129}-end-entry	N-end of *Xl-gnpat* (encoded by exons 1-3) in pDONR221	This study
Xl-gnpat H145A entry	Entry clone for *Xl-gnpat* carrying H145A mutation with STOP codon in pDONR221	This study
Xl-gpam-V5-His6 entry	Entry clone for *Xl-Gpam*-V5-His6X in pDONR221	This study
Xl-gpam- R317A-V5-His6 entry	Entry clone for *Xl-Gpam*-R317A-V5-His6X in pDONR221	This study
pAG416*GPD*-ccdB	Gateway yeast destination vector, *CEN*, *URA3* selection marker, for expression of proteins under the constitutive *GPD* promoter	[27]
pAG416GPD-ccdB-EGFP	Gateway C-EGFP yeast destination vector (*CEN*, *URA3*, *GPD promoter*)	[21]
pAG416GPD-EGFP-ccdB	Gateway N-EGFP yeast destination vector (*CEN*, *URA3*, *GPD* promoter)	[21]
pAG416GPD-*Xl-gnpat*-eGFP	*Xl-gnpat*-EGFP, in pAG416GPD	This study
pAG416GPD-EGFP- *Xl-gnpat*	EGFP- *Xl-gnpat*, in pAG416GPD	This study
pAG416GPD-*Xl-*Δ*129N-gnpat*-EGFP	Truncated *Xl-gnpat* lacking amino end (129 aa)-EGFP, in pAG416GPD	This study
pAG416GPD-EGFP- *Xl-gnpat*-H145A	EGFP-*Xl-gnpat*-H145A, in pAG416GPD	This study
pAG416GPD- *Xl-gpam*-V5-His6	*Xl-gpam*-V5-His6 in pAG416GPD	This study
pAG416GPD- *Xl-gpam* R317A-V5-His6	*Xl-gpam*- R317A-V5-His6 in pAG416GPD	This study
pET-DEST42	Gateway destination vector with C-terminal V5-His_6 (Bacterial expression)	Invitrogen
Xl-gnpat-V5-His_6	*Xl-gnpat* in pET-DEST42	This study
Xl-N^{129}-end-V5-His_6	N-end of *Xl-gnpat* (encoded by exons 1-3) in pET-DEST42	This study