PLOS ONE

CORRECTION

# Correction: Gateway Vectors for Efficient Artificial Gene Assembly *In Vitro* and Expression in Yeast *Saccharomyces cerevisiae*

**The *PLOS ONE* Staff**

There are errors in the Results, Table 2 and Table 3, which were introduced during the typesetting process. The publisher apologizes for these errors.

There is an error in the penultimate sentence of the third paragraph of the "Construction of Yeast Gateway Vectors for One-step Gene Assembly" subsection of the Results. The correct sentence is: We compared the fluorescence produced by yEVenus-Cln2$_{PEST}$-NLS and yEVenus-NLS when expressed by the constitutive promoter ADH1 (Fig 4B, C).

There is an error in Table 2, "Entry clones created in this study." Please see the corrected Table 2 here.

**Table 2. Entry clones created in this study.**

| Plasmid | Promoter |
|---|---|
| pYS1 | *S. cerevisiae CUP1* |
| pYS2 | *S. pombe ADH1* |
| pYS3 | *S. cerevisiae TEF* |
| pYS6 | *TetO*$_7$ -CYC1TATA |
| pYS7 | *TetO*$_2$ -CYC1TATA |
| **Plasmid** | **ORF** |
| pCG32 | yEGFP |
| pDHM7 | yEGFP-Cln2$_{PEST}$ |
| pCG55 | yEVenus |
| pYS61 | yEVenus-NLS*[1] |
| pCG98 | yEVenus-Cln2$_{PEST}$-NLS |
| pCG40 | mCherry |
| pYS60 | mCherry-NLS |
| pYS19 | tTA |
| pYS20 | rtTA |
| pYS58 | AIDtTA |
| pYS57 | AIDrtTA |
| pCG72 | OsTIR1-9Myc |

Promoter Entry clones were created with pDONR221P5-P2 and ORF Entry clones with pDONR221P1-P5r.
*[1] Significant cytoplasmic fluorescence was observed when overexpressed, for example, by *TEF* promoter.

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There is an error in Table 3, "Expression plasmid vectors constructed by Gateway recombination method in this study." Please see the corrected Table 3 here.

**Table 3. Expression plasmid vectors constructed by Gateway recombination method in this study.**

| Plasmid | Promoter | ORF | Marker | Destination vector |
|---|---|---|---|---|
| pCG52 | *S. cerevisiaeTEF* | mCherry | *LEU2* | pDEST415TEFt7 |
| pCG109 | *S. pombe ADH1* | mCherry-NLS | *TRP1* | pDEST414TEFt7 |
| pCG57 | *S. cerevisiae TEF* | yEVenus | *LEU2* | pDEST415TEFt7 |
| pRN1 | *S. pombe ADH1* | yEVenus-NLS | *LEU2* | pDEST415TEFt7 |
| pDHM57 | *S. pombe ADH1* | yEVenus-$Cln2_{PEST}$-NLS | *LEU2* | pDEST415TEFt7 |
| pCM25 | *S. cerevisiae CUP1* | yEVenus-$Cln2_{PEST}$-NLS | *LEU2* | pDEST415TEFt7 |
| pCG87 | *$TetO_7$*-CYC1TATA | mCherry-NLS | *TRP1* | pDEST414TEFt7 |
| pCG103 | *$TetO_7$*-CYC1TATA | yEVenus-$Cln2_{PEST}$-NLS | *TRP1* | pDEST414TEFt7 |
| pCM20 | *$TetO_7$*-CYC1TATA | yEVenus-$Cln2_{PEST}$-NLS | *LEU2* | pDEST415TEFt7 |
| pCG84 | *S. pombe ADH1* | tTA | *HIS3* | pDEST413TEFt7 |
| pCG85 | *S. pombe ADH1* | rtTA | *HIS3* | pDEST413TEFt7 |
| pDHM19 | *S. pombe ADH1* | AIDtTA | *HIS3* | pDEST413TEFt7 |
| pDHM20 | *S. pombe ADH1* | AIDrtTA | *HIS3* | pDEST413TEFt7 |
| pCG112*[1] | *S. cerevisiae TEF* | tTA | *HIS3* | pDEST413TEFt7 |
| pCG113 | *S. cerevisiae TEF* | rtTA | *HIS3* | pDEST413TEFt7 |
| pCG106*[1] | *S. cerevisiae TEF* | AIDtTA | *HIS3* | pDEST413TEFt7 |
| pCG107 | *S. cerevisiae TEF* | AIDrtTA | *HIS3* | pDEST413TEFt7 |
| pMM6*[2] | *S. cerevisiaeTEF* | AIDrtTA | *URA3*, *MET15* | pDEST375 |
| pCG81 | *S. pombe ADH1* | OsTIR1-9Myc | *URA3* | pDEST416TEFt7 |

*[1] Yeast cells with these expression vectors showed poor growth with an unknown reason.

*[2] Integration vector.

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## Reference

1. Giuraniuc CV, MacPherson M, Saka Y (2013) Gateway Vectors for Efficient Artificial Gene Assembly *In Vitro* and Expression in Yeast *Saccharomyces cerevisiae*. PLoS ONE 8(5): e64419. doi:10.1371/journal.pone.0064419 PMID: 23675537