Figure S1

A. Schematic representation of the cloning site and regulatory elements:

- EF1α
- rtTA
- IRES
- Bsd
- pA
- PBIR
- PuroR
- CAG
- pTight
- pA
- PBIR

B. Fluorescence microscopy images showing DAPI and EGFP expression in the cytoplasm and nucleus.

C. Fluorescence microscopy images showing DAPI, Xist, and PuroR expression in the cytoplasm and nucleus.

D. Graph showing copy number ratio (%)

- GFP: Cytoplasm (60%) and Nucleus (40%)
- Malat1: Cytoplasm (30%) and Nucleus (70%)

E. Graph showing copy number ratio (%)

- Xist full: Cytoplasm (90%) and Nucleus (10%)
- Malat1: Cytoplasm (40%) and Nucleus (60%)
Figure S2

Relative ratio vs 6k-b TSS (%)
Figure S3

Copy number ratio (%)

950-nt as  Malat1

950-nt mut  Malat1

Cytoplasm  Nucleus