SUPPLEMENTAL FIGURE LEGENDS

Figure S1. Cellular Me-PABP1 level decreases after 15 days of Dox treatment with multiple cell passages.

MCF7-tet-on-shCARM1 cells were cultured in medium in the presence or absence of 500 ng/ml Dox for 15 days with multiple cell passages. Whole cell extracts were obtained and analyzed for the expression of endogenous CARM1, Me-PABP1 level, expression of PABP1 and β-actin by western blots.

Figure S2. TR-FRET background signal from Tb-2nd antibody alone.

MCF7 cells were infected with indicated amounts of BacMam GFP-PABP1 virus in a 384-well plate for 24 hours. TR-FRET ratios were measured with Tb-2nd antibody alone, indicating the background signals for Me-GFP-PABP1 TR-FRET assay. Data are mean ± SD of three independent experiments.

Figure S3. Optimization of key parameters for Me-GFP-PABP1 TR-FRET assay with different amounts of BacMam GFP-PABP1 virus.

MCF7 cells were infected with indicated amounts of BacMam GFP-PABP1 virus in a 384-well plate for 24 hours. Me-GFP-PABP1 TR-FRET assay was optimized for Me-PABP1 antibody concentration (A), cell number per well (B), and lysis buffer equilibration time (C). Data are mean ± SD of three independent experiments.

Figure S4. Determination of DMSO tolerance of BacMam virus-mediated GFP-PABP1 expression in MCF7 cells.

MCF7 cells were infected with 10% BacMam GFP-PABP1 virus in a 384-well plate and treated with serially-diluted DMSO for 24 hours. GFP expression was examined under a fluorescence microscope.

Figure S1

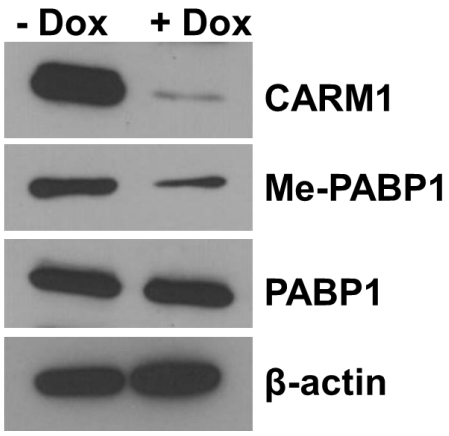


Figure S2

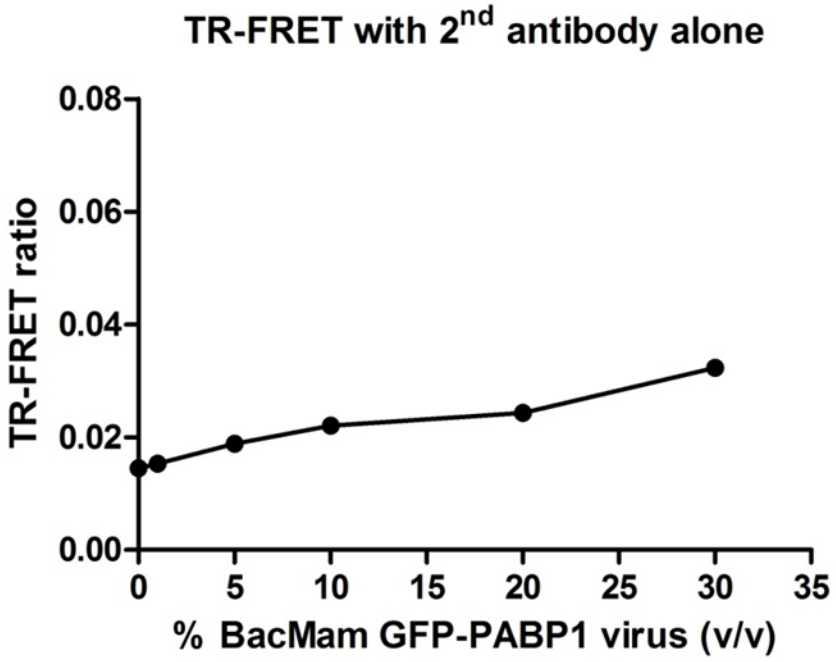
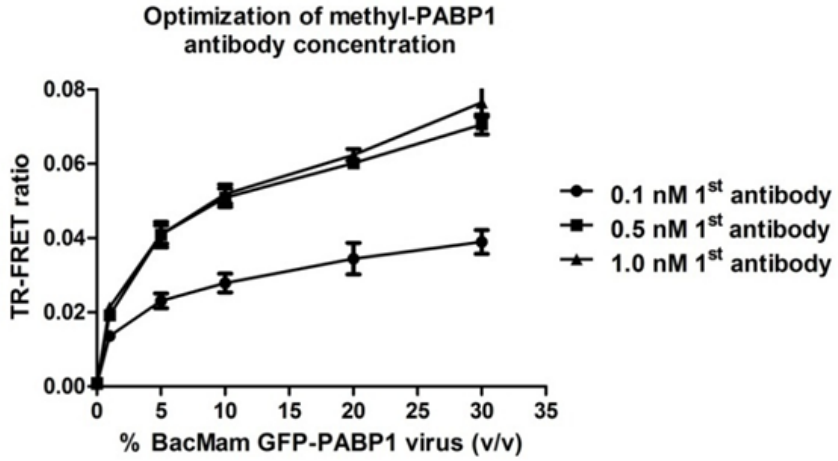
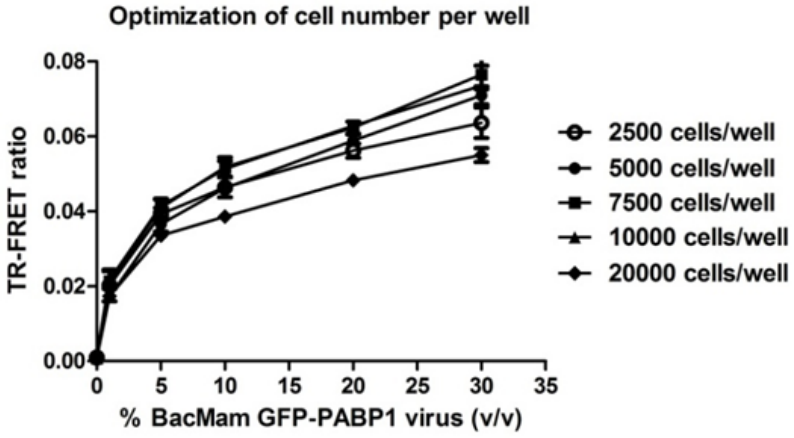

TR-FRET with 2nd antibody alone
TR-FRET ratio
0.08
0.06
0.04
0.02
0.00
0
5
10
15
20
25
30
35
% BacMam GFP-PABP1 virus (v/v)

Figure S3

A)



B)



C)

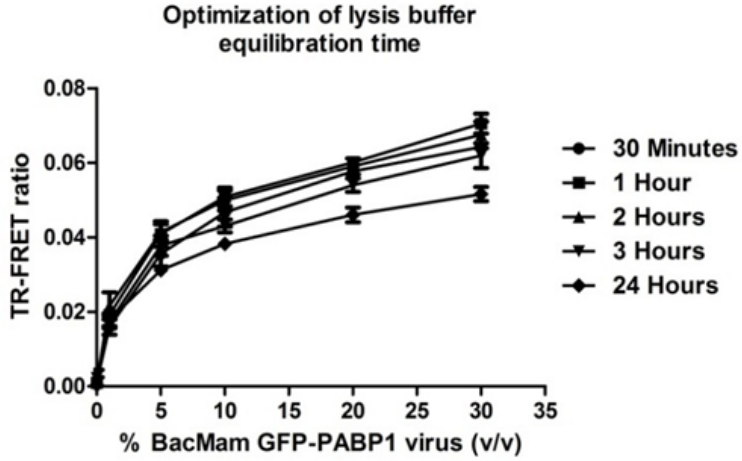


Figure S4