SUPPLEMENTARY MATERIAL FOR:

One-step high-throughput assay for quantitative detection of β-galactosidase activity in intact Gram-negative bacteria, yeast, and mammalian cells

Faustino Vidal-Aroca, Michele Giannattasio, Elisa Brunelli, Alessandro Vezzoli, Paolo Plevani, Marco Muzi-Falconi, and Giovanni Bertoni

Università degli Studi di Milano, Milano, Italy

BioTechniques 40:433-440 (April 2006)

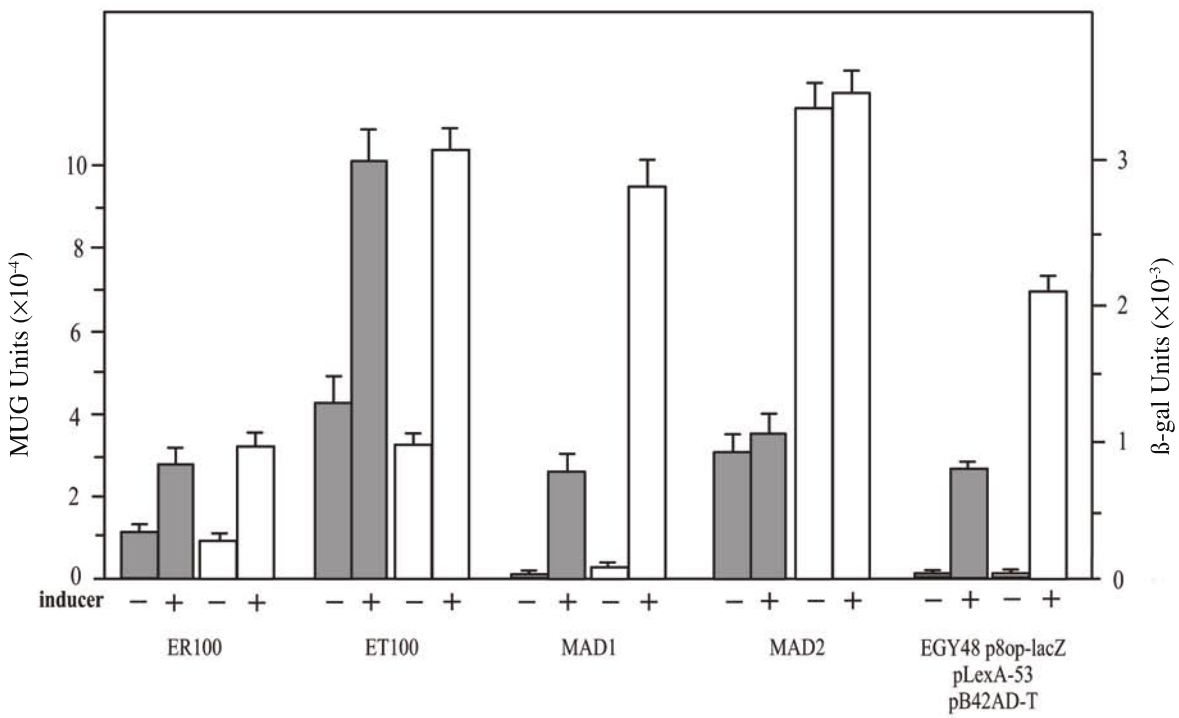

Figure S1. Comparison of MUG assay with traditional ONPG-based assays of β-gal activity. MUG units of Figure 1A (bacteria) and Figure 2A (yeast) (shaded bars; left scale) are presented beside β-gal activity units determined on the indicated strains in the same conditions by ONPG-based assays (empty bars; right scale), performed using the traditional Miller method for bacteria (3) and crude protein extracts for yeast (1). MUG, 4-methylumbelliferyl β-D-galactopyranoside; ONPG, *o*-nitrophenyl-β-D-galactopyranoside; β-gal; β-galactosidase.