

	Median signal intensity mRFP1 (u.a.f)	Median signal intensity mTagBFP (u.a.f)
Glucose medium	3.55	47.04
Xylose medium	120.00	44.47

**Figure S1:** Median fluorescence intensity of *E. coli* BW25113 strain carrying the dual fluorescence plasmid pSB1C3  $P_{xylA}$ -mRFP1  $P_{ihfBA}$ -mTagBFP in M9 glucose medium versus in M9 xylose medium. Fluorescence was measured by cytometry during the exponential growth phase. The Y2-A canal was used to quantify mRFP1 fluorescence intensity (inducible on xylose) and the V1-A canal to quantify mTagBFP fluorescence intensity (constitutive).