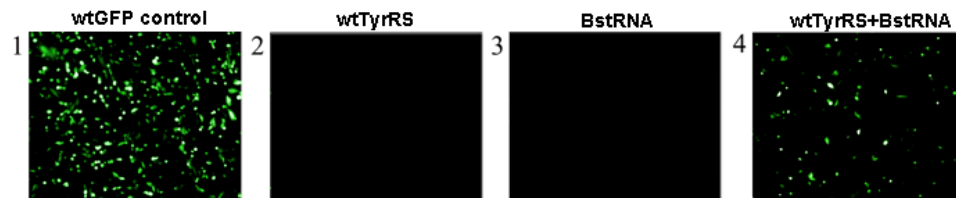


Supplementary Figure 1

a



b



Amber suppression is dependent upon both the *EcTyrRS* and *BstRNA*^{Tyr_{CUA}} genes in both T-rexTM CHO and T-rexTM 293 cells. **(a)** Green fluorescence images of T-rexTM CHO cells transiently transfected with different constructs. **(b)** Green fluorescence images of T-rexTM 293 cells transiently transfected with different constructs. In the first panel, cells were transfected with pcDNA4-GFP. In the second panel, cells were transfected with pcDNA4-*EcTyrRS* and pcDNA4-GFP37TAG. In the third panel cells were transfected with pUC18-3*BstRNA*^{Tyr_{CUA}} and pcDNA4-GFP37TAG. In the fourth panel, cells were transfected with pUC18-3*BstRNA*^{Tyr_{CUA}}, pcDNA4-*EcTyrRS*, and pcDNA4-GFP37TAG.