Amber suppression is dependent upon both the *Ec*TyrRS and BstRNA\textsubscript{Tyr\textsubscript{CUA}} genes in both T-rex\textsuperscript{TM} CHO and T-rex\textsuperscript{TM} 293 cells. (a) Green fluorescence images of T-rex\textsuperscript{TM} CHO cells transiently transfected with different constructs. (b) Green fluorescence images of T-rex\textsuperscript{TM} 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-*Ec*TyrRS and pcDNA4-GFP37TAG. In the third panel cells were transfected with pUC18-3BstRNA\textsubscript{Tyr\textsubscript{CUA}} and pcDNA4-GFP37TAG. In the fourth panel, cells were transfected with pUC18-3BstRNA\textsubscript{Tyr\textsubscript{CUA}}, pcDNA4-*Ec*TyrRS, and pcDNA4-GFP37TAG.