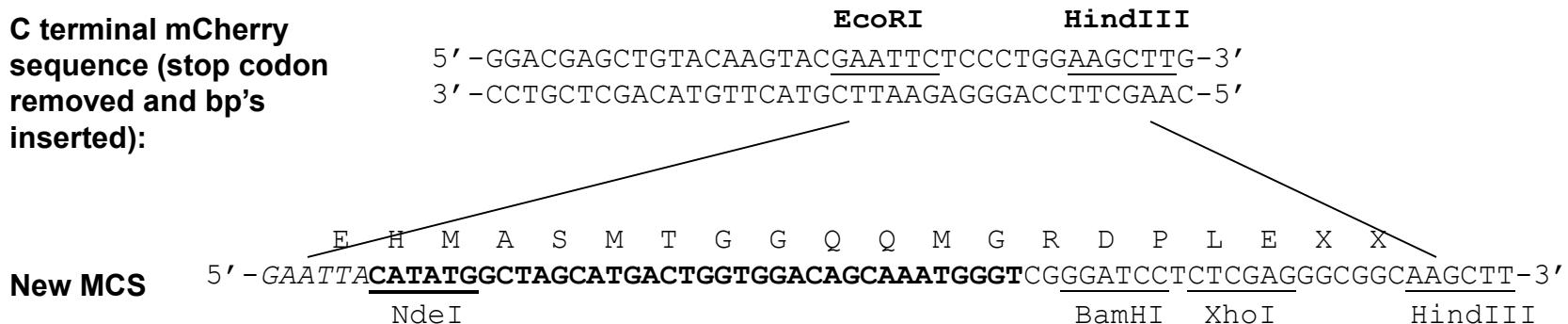


Supplementary Figure 4.

3) Insertion of new Multiple Cloning Site (MCS)

Supplementary Fig. 4. Insertion of new multiple cloning site into mCherry in pEGFP-C3 background. See Materials and Methods for explanation.

C terminal mCherry sequence (stop codon removed and bp's inserted):



- Underline – new restriction enzyme sites in the new MCS

- **Boldface** - Φ10 recognition sequence

- *Italics* – EcoRI site that was destroyed upon ligation of the new MCS into mCherry-pRSETB (stop codon removed)

- Oligos for New MSC:
1859 (forward sequence)

- 1860 (reverse sequence)