

Final primers for amplifying GFP and Luciferase coding region

- Yellow is the upstream overlap with pHis8-4 vector.
- Blue is downstream overlap with pHis8-4 vector.
- Red is NcoI restriction site.
- Green is extra base to put start ATG of CDS in frame (actual start codon that is utilized is upstream in vector).

We put in two NcoI sites to make for easy diagnosis of our final construct.

GFP forward

5'-AACTTGTACTTCCAGGC~~Ccatgg~~ATGGTGAGCAAGGGCGAGGA-3'

GFP reverse

5'-agctcgaattcggatccg~~ccatgg~~TTACTTGTACAGCTCGTCCAT-3'

Luciferase forward

5'-AACTTGTACTTCCAGGC~~Ccatgg~~catggaagacgcaaaaacata-3'

Luciferase reverse

5'-agctcgaattcggatccg~~ccatgg~~ttacaatttgactttccgcc-3'

Luciferase reverse 2 (backup primer)

5'-agctcgaattcggatccg~~ccatgg~~ggactagttacaattggac-3'

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