

pLV-TRE- HCN2-Ubc-Bla

Backbone: pLV-TRE_NheI_IRES2-EGFP_BsrGI

Insert: NheI_HCN2-Ubc-Bla_BsrGI

Parts:

HCN2 (from NCBI):

atggacgcgcgccccggggcgggcgggcgcccggggagagcccgggcgcgagccccacgaccgggcccgcgcgcgcgcgc
gccccgcgccccccaaacagcagccgc
cccagcaccgccccgggcccagggcggtgcccccgaggcgggcgga tgagggcgggcccgcggggcgggctccgcagc
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Ubc-Bla (from pLV-TRE-Sox17-Ubc-Bla):

Ggcacggaatccaaccagcccactgagctcctaggggaggtggaccgcacggaattcgaacagtatctgccctttgt
gtataagcccagagatgggtcttccctaccagggacacgactgcggagtgaaacctctcagacagccacggagccattt
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cgtgaattgctgcctctgggttatgtgtgggagggctaa

HCN2 forward primer (HCN2_fwd_NheI_kzk_2008-07-24):

gcatcggctagcgcaccatggacgcgcgcccggg

HCN2 reverse primer (HCN2_rev_UbcOvlp_2008-07-24):

Cgcctctcgtccaacttgtagggcaacaca

Ubc-Bla forward primer (UbcBla_fwd_HCN2Ovlp_2008-07-24):

ccaacttgtagggcaacacatttgaggccgcctcgg

Ubc-Bla reverse primer (UbcBla_rev_BsrGI_2008-07-24):

ctgggttatgtgtgggagggcctaatgtacaatcgataag

Final Construct:

cttcttaagtagctgaagctccggttttgaaactatgCGctCGgggttggCGagtggttttGTgaagtttttaggc
acctttgaaatgtaatcatttgggtcaatatgtaattttcagtgttagactagtaaattgtccgctaaattctggc
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