

pLV_TRE_SfiI_Ngn1-EYFP_SfiI_Ubc_Bla

Backbone: pLV_TRE_SfiI_Sox17_SfiI_Ubc_Bla

Insert: SfiI_Ngn1-EYFP_SfiI

Parts:

Ngn1:

atgcctgcccctttggagacctgcatctctgatctcgactgctccagcagcaacagcagcagcgacctgtccagctt
cctcaccgacgaggaggactgtgccaggctacagcccctagcctccacctcggggctgtccgtgccagcccggagga
gcgctcccgcctctccggggcatcgaatgttcccggtgccaggacgaagagcaggaaacggcggaggcggcgaggt
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ccagtagtccctcggcttcagaagacttcacctatggcccgggagatccccctttctcctttcctggcctgccc
aacgacctgctccacacgacgcctggtttcatcccataccactag

- Ngn1 forward primer (prIG08_02_SfiI_Kz_Ngn1)

gcatggggcattacggcctgccaccatgcctgcccctttggagac

- Ngn1 reverse primer (prIG08_03r_Ngn1_link)

accggtggagcccgctgtgttgccgcccgtgtgtgccggtggtatgggatgaaacaggg

(fw) ccctggtttcatcccataccacggcaacaacggcggcaacaacaacggcggctccaccggt

EYFP:

atgggtgagcaagggcgaggagctgttcaccgggggtggtgcccatcctggctcgagctggacggcgcgacgtaaacggcca
caagttcagcgtgtccggcaggggagggcgatgccacctacggcaagctgacctgaagttcatctgcaccaccg
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ccgcctgagcaaacgagcagaagcgcgatcacatggtcctgctggagttcgtgacccgcccggggtact
ctcggcatggacgagctgtacaagtaa

Teal = stop codon

- **EYFP forward primer (prIG08_04_link-EYFP)**
ggcaacaacaacggcggctccaccggtatggtgagcaagggcgagg
- **EYFP reverse primer (EYFP_reverse_SfiI_2008-06-26)**

(fw) cggcatggacgagctgtacaagtaaggccgctcggccatcgataag

Reverse complimentary:

cttatcgatggccgaggcggccttacttgtacagctcgtccatgccg

Ngn1-EYFP:

gcatggggccattacggcctgccaccatgcctgcccctttggagacctgcatctctgatctcgactgctccagcagc
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Final Product:

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