

pLV-TRE-Lbx1-2A-GLRA1-2A-D5R-Ubc-Bla

Backbone: pLV-TRE_SfiI_Sox17_SfiI_Ubc-Bla

Insert: SfiI_Lbx1-2A-GLRA1-2A-D5R_SfiI

Parts:

Lbx1 (from NCBI):

atgacttccaaggaggacggcaaggcggcgccggggaggagcggcggcgccagcccgtggaccacctgcctccgcc
tgccaactccaacaagccactgacgccgttcagcatcgaggacatcctcaacaagccgtctgtgcgaggagaagtact
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GLRA1 (from NCBI):

atgtacagcttcaatactcttcgactctacctttgggagaccattgtattcttcagccttgccttcttaaggaggc
tgaagctgctcgcctccgcacccaagcctatgtcaccctcggatttccctggataagctaatggggagaacctccggat
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D5R (from NCBI):

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T2A:

gagggccgcccagcctgctgacctgcccgcagc, tggaggaaaaccccggcccc

P2A:

gccaccaacttctctctgctgaagcaggcccggcagc, gtggaggagaaccaggccca

Lbx1 forward primer (Lbx1_fwd_SfiI_2008-07-17):

Gcatggggccattacggccgccaccatgacttccaaggaggacggc

Lbx1 reverse primer (Lbx1_rev_T2A_2008-07-17):

Cgaagagatcgacgtggacgatgagggccgcccagcctgctgacctgcccgcagcgtgg

Reverse Compliment:

ccacgtcgcgcagggtcagcaggctgcccggccctcatcgtccacgtcgatctcttcg

GLRA1 forward primer (GLRA1_fwd_T2A_2008-07-17):

Cctgcccgcagctgg, aggaaaaccccggccccatgtacagcttcaatactcttcgactc

GLRA1 reverse primer (GLRA1_rev_P2A_2008-07-17):

Gtagagaggacgtccacaaccagggccaccaacttctctctgctgaagcaggccggcgac

Reverse Compliment:

gtcgccggcctgcttcagcagagagaagtgggtggcctgggttgaggacgtcctctctac

D5R forward primer (D5R_fwd_P2A_2008-07-17):

gaagcaggccggcgac,gtggaggagaaccaggcccaatgctgccgcccaggcag

D5R reverse primer (D5R_rev_SfiI_2008-07-17):

cacccgaatggattccatcaaggecgecteggecatcgataag

Reverse Compliment: cttatcgatggccgaggcggccttaatggaatccattcgggggtg

Final Construct:

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