A vector platform for the rapid and efficient engineering of stable complex transgenes

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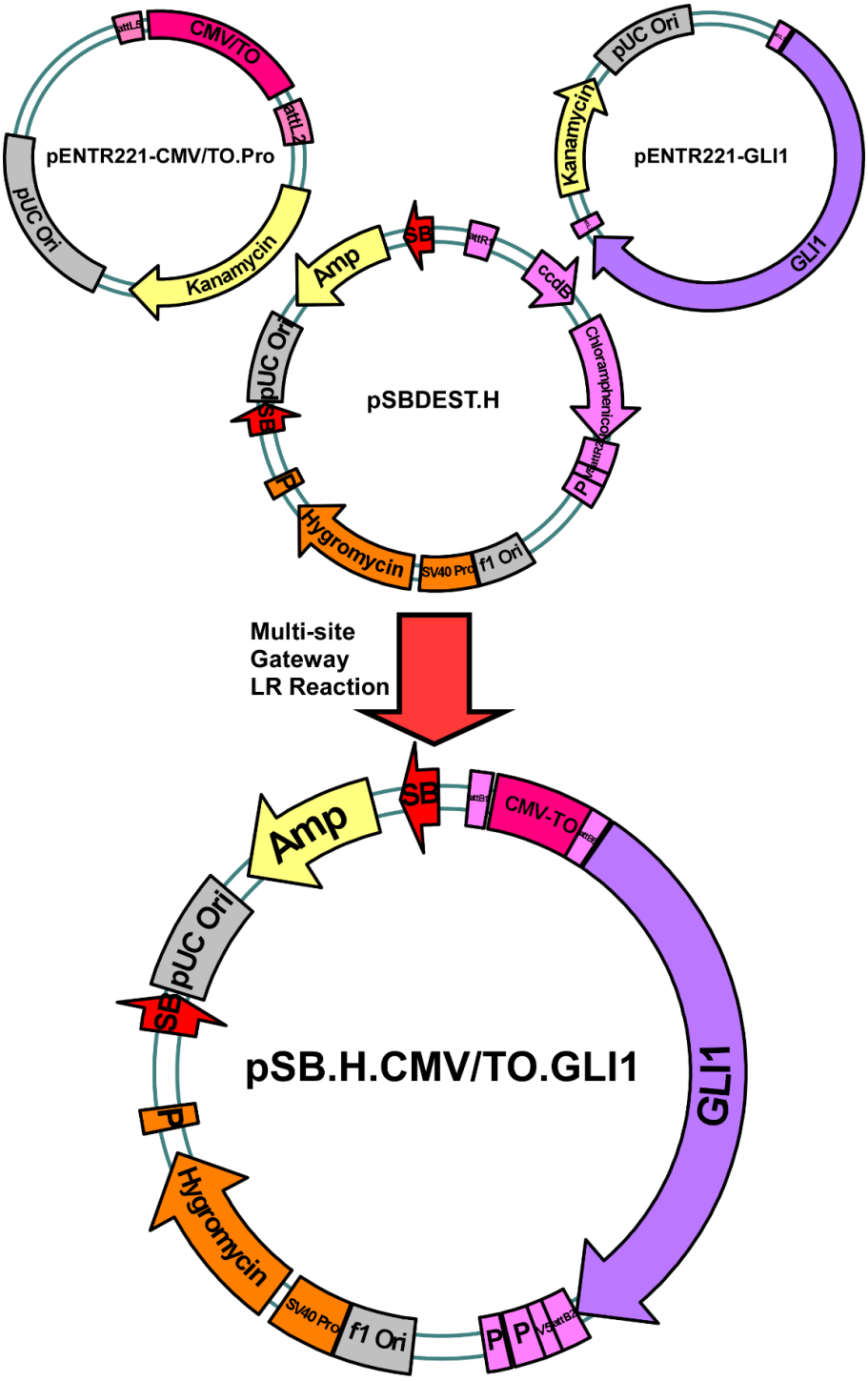
Supplemental Figures:



Supplemental Figure S1. Sample MultiSite Gateway reaction. MultiSite Gateway reactions can be used to generate complex, SB-compatible vectors in a rapid, site-specific process. Here, an inducible expression vector for GLI1 is generated from two Entry clones in the pSBDEST.H vector.

Supplemental Sequences:

Minimal CMV Promoter:

CGAGATCTAGACTCTAGAGGGTATATAATGGAAGCT

Minimal TK Promoter:

TTCGCATATTAAGGTGACGCGTGTGGCCTCGAACACCGAGCGACCCTGCAGCGACCCGCT

TAA

AP1 Binding element (6x multimer):

TGACTCA, Linker Sequence: TCAAGCA

GLI binding element (8x multimer):

GACCACCCA

TEAD binding element (8x multimer):

ACATTCC, varying linker sequences

HIF binding element (3x multimer)

GTGCAGGACGTGACAAA

LXR binding element (3x multimer)

TGACCAGCAGTAACC

NFAT5 binding element (dimer)

CAGCGGTAATTTTCCACCA

TCF/LEF binding element (12x multimer)

ATCAAAG

SMAD binding element (5x multimer)

AGCCAGACAGT

RaPM element (3x multimer)

CTATTTTGGAAACTCCCCTTAGGGGATGCCCCTC, Linker sequence: AACTGCTCGAG