Figure 1

A. Regulator construct (L1L3) with EF1α promoter

B. Responder construct (R3L2) to express mCh-P2A-Rs1 combined genes

C. Destination vector (R1R2) (e.g., pcDNA3.2 or Rosa26)

D. AttR1 AttR2

E. Final expression vector (in desired destination backbone)

+10 ng/ml dox

no dox

Effector construction (Exp-pcDNA3.2)

(EF1α-tTA / TetO-mCh-Rs1)

Wildtype Allele (4.6 kb)

Targeted Allele (4.0 kb)

Probe