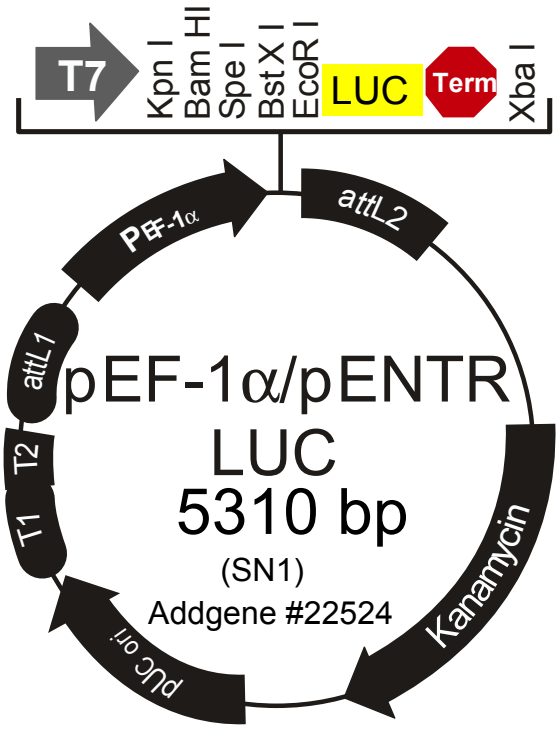


rrnB T1 transcription termination sequence: bases 106-149
rrnB T2 transcription termination sequence: bases 281-308
attL1: bases 358-457 (complementary strand)
Elongation Factor 1 alpha (EF-1a) promoter: bases 614-1770
Firefly Luciferase (LUC) cDNA: bases 1881-3533
attL2: bases 3540-3640
Kanamycin resistance gene: bases 3762-4571
pUC origin: bases 4680-5307

Recommended E.coli strain for propagation: TOP10F' under kanamycin selection.

NOTE: The position of the genetic elements is approximative.

Vector made by Stefania Nicoli (University of Massachusetts Medical School), October 2009.