



The following features are present in the vector based on the nucleotide sequence:

Multiple cloning site (MCS)	1-41
minP region (minimal core promoter)	45-60
Optimized 5' UTR*	80-144
TurboLuc luciferase gene with PDE†	145-717
RNA-DE‡ and modified poly(A) signal	721-954
pUC replication origin (pUC Ori)	1863-1244
Amp ^R promoter.....	2966-2938
beta-lactamase (Amp ^R) gene	2896-2036
Synthetic poly(A) terminator	2983-3029
Modified transcriptional pause site (TPS)	3043-3129

*Optimized 5' UTR region contains RNA-DE for improved response and Kozak for efficient expression of Tluc16

†PDE: Protein destabilization element

‡RNA-DE (RDE): RNA-destabilization elements