SUPPLEMENTARY MATERIAL

TABLE. S1 Concentration and purity results from the amplified segment of the pENS plasmid from NEB-5α containing the *lac* promoter, *brkA*, and the 6xHis tag. [1]

DNA concentration (ng/µL)	124.8
A260	2.50
A280	1.34
260/280	1.87
260/230	1.70

[1] This DNA was purified using the EZ-10 Spin Column PCR Products Purification Kit (Bio Basic) and results were obtained using the NanoDrop Spectrophotometer (ThermoFisher). The resulting product was used for Gibson assembly.

TABLE. S2 Concentration and purity results from purified double digest (SmaI + StuI) products from linearizing the pUC18R6K-mini-Tn7T-Gm vector.[2]

DNA concentration (ng/µL)	45.7
A260	0.91
A280	0.53
260/280	1.73
260/230	1.54

[2] These results are from the same DNA that was used for the Gibson assembly of the transposon. This DNA was purified using the EZ-10 Spin Column PCR Products Purification Kit (Bio Basic) and results were obtained using the NanoDrop Spectrophotometer (ThermoFisher).

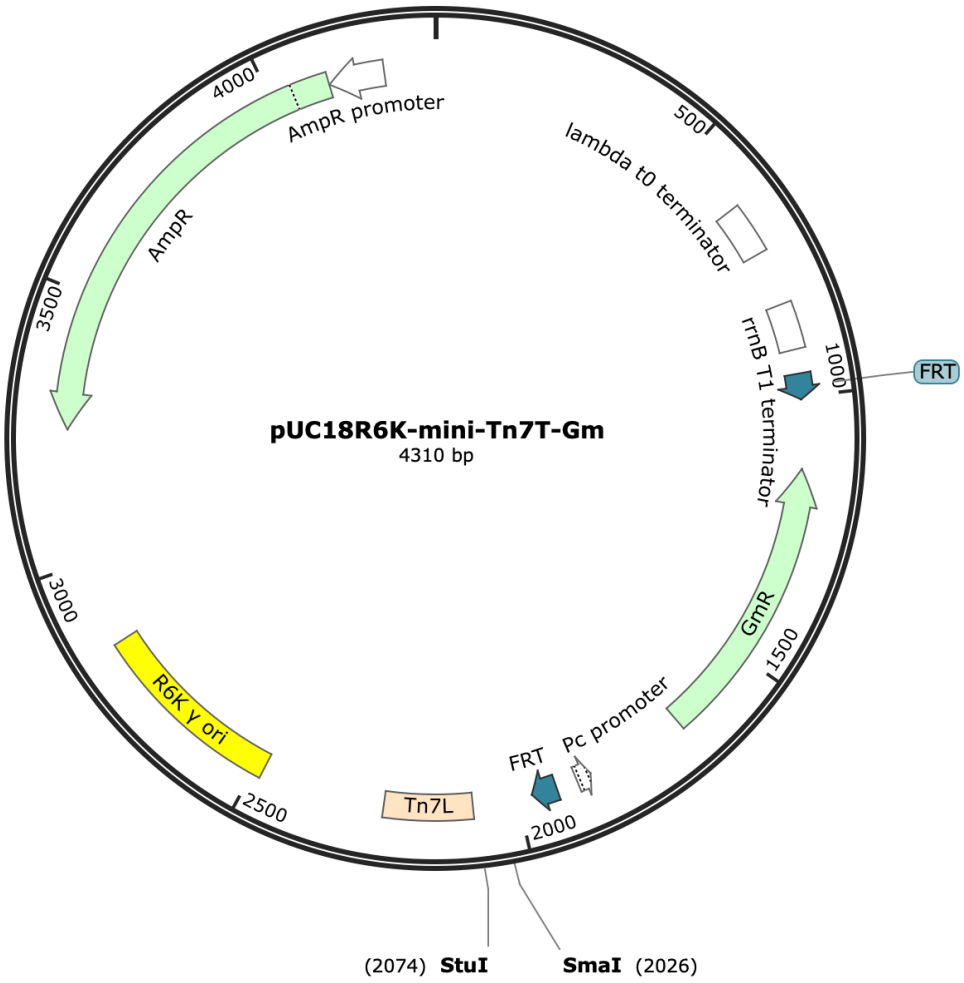

FIG. S1 Map of the pUC18R6K-mini-Tn7T-Gm backbone prior to linearization. The StuI and SmaI restriction enzyme cut sites were used to create the ~4.3 kb linearized backbone used in Gibson assembly.