

CDS **3037..3897**

/note = Beta-lactamase (Amp r) coding region

rep_origin **4052..4088**

/note = ColE1-derived plasmid origin of replication

CDS **889..2664**

/note = hRluc-neo fusion protein coding region

promoter **5094..5609**

/note = Human phosphoglycerate kinase promoter

misc_feature **7316..7323**

/note = Internal NotI

gene **5645..7297**

/note = luc2 reporter gene

misc_feature **7306..7368**

/note = Multiple cloning site

misc_feature **92..99**

/note = NotI

/note = If inserts contain an internal restriction site as described on the pmirGLO datasheet (Promega), digestion of NotI will create ~125bp fragment (will change with insert size).

3'UTR **7314..7350**

/note = Smad4 3'UTR - miR-17 & miR-19 binding sites

/note = Cloned in using PmeI and XbaI

enhancer **426..844**

/note = SV40 early enhancer/promoter

polyA_signal **106..327**

/note = SV40 late poly(A) signal

polyA_signal **2728..2776**

/note = Synthetic polyadenylation signal