

## Seed Sequence

A diagram showing a horizontal line representing a DNA strand. On the left end, it is labeled '5'' and on the right end, it is labeled '3''. In the middle of the strand, there is a rounded rectangular box labeled 'Gene/Genome'. To the right of this box, there is a solid black square. From the top of this black square, two lines diverge upwards and outwards, forming a V-shape.

miRT

S 5' **tcgag**GGCATTACCGCGTGCCTTA $c_{gat}$ GGCATTACCGCGTGCCTTA**c** 3'

$\alpha$ S 3' **c**CCGTAAGTGGCGCACGGAAT $g_{cta}$ CCGTAAGTGGCGCACGGAAT**gagct** 5'

**C**

5' UTR

T7

Viral Genome

RE

BamHI

3' UTR