



Figure 5. Map of the pVTDH transformation vector

The 13 kb pVTDH plasmid is a non-integrating vector that encodes a luciferase reporter gene. The reporter gene is flanked on either side by multiple cloning sites. Unique restriction enzyme sites within the vector are indicated with an asterisk sign. The vector also carries ampicillin and G418 resistance genes. Replication is facilitated in both bacteria and *Dictyostelium* by the presence of bacterial and *Dictyostelium* origins of replication. The luciferase gene can only be expressed when an appropriate promoter has been cloned in-frame with it.