Abstract

METHOD TO OVERCOME DNA CHEMICAL MODIFICATIONS SENSITIVITY OF ENGINEERED TALE DNA BINDING DOMAINS

The present invention relates to polypeptides and more particularly to Transcription Activator-Like Effector derived proteins that allow to efficiently target and/or process nucleic acids. Particularly, the present invention reports the characterization of TALE derived proteins that can efficiently target methylated DNA. The present invention more specifically relates to TALE derived proteins that allow activation of methylated promoters responsible for gene silencing.

Figure 1