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(54) Title: COMPOSITIONS FOR GENE ACTIVATION COMPRISING P300 DNA BINDING DOMAINS AND ASSOCIATED METHODS

(57) Abstract: Provided herein are compositions comprising peptides having a DNA binding domain (DBD) fused to a p300 recruiter domain of DUX4 (p300R domain). The p300R-DBD proteins selectively bind to a locus that are altered by methylation of one or more histones. The compositions further comprise one or more guide RNAs. Vectors, host cells, pharmaceutical compositions, and associated methods are also provided by the present technology.

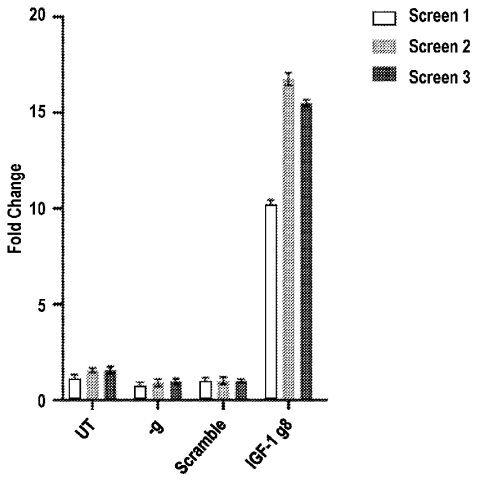


FIG. 3B

WO 2025/212961 A1

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