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(54) Title: **FEEDBACK ENABLED SYNTHETIC GENES, TARGET SEED MATCH CASSETTES, AND THEIR USES**

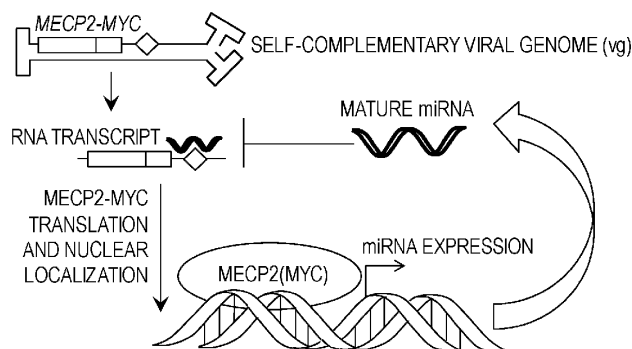


FIG. 1

(57) Abstract: This invention relates to feedback-enabled synthetic genes, polynucleotide target cassettes, vectors, and pharmaceutical compositions for the purpose of providing transgene expression in target tissues that is capable of endogenous regulation for treating disorders such as dose-sensitive intellectual ability disorders, as well as methods of making and methods of using the same.

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WO 2020/047234 A9

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