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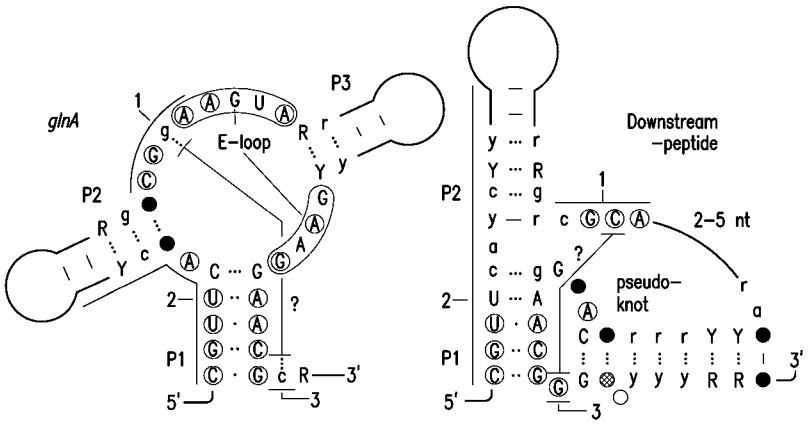


FIG.3

(57) Abstract: Disclosed are compositions and methods involing riboswitches and RNA motis. For example, disclosed are compositions and methods involving glutamine-responsive riboswitches, S-adenosylmethionine-repsonsive riboswitches, S-adenosylhomocysteine- repsonsive riboswitches, glutamine riboswitches, SAM/SAH riboswitches, *glnA* riboswitches, Downstream-peptide riboswitches, *crcB* riboswitches, *pfl* riboswitches, *yjdF* riboswitches, *manA* riboswitches, *wcaG* riboswitches, *epsC* riboswitches, *ykkC-III* riboswitches, *psaA* riboswitches, *psbA* riboswitches, PhotoRC-I riboswitches, PhotoRC-II riboswitches, and *psbNH* riboswitches.

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