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(71) Applicants: **SYNTHORX, INC.** [US/US]; 11099 North Torrey Pines Road, Suite 290, La Jolla, California 92037 (US). **THE SCRIPPS RESEARCH INSTITUTE** [US/US]; 10550 North Torrey Pines Road, La Jolla, California 92037 (US).

(72) Inventors: **PTACIN, Jerod**; 11099 North Torrey Pines Road, Suite 290, La Jolla, California 92037 (US). **CAFFARO, Carolina**; 11099 North Torrey Pines Road, Suite 290, La Jolla, California 92037 (US). **AERNI, Hans**; 11099 North Torrey Pines Road, Suite 290, La Jolla, California 92037 (US). **ZHANG, Yorke**; 10550 North Torrey Pines Road, La Jolla, California 92037 (US). **FISCHER, Emil C.**; 10550 North Torrey Pines Road, La Jolla, California 92037 (US). **FELDMAN, Aaron W.**; 10550 North Torrey Pines Road, La Jolla, California 92037 (US). **DIEN, Vivian T.**; 10550 North Torrey Pines Road, La Jolla, California 92037 (US). **ROMESBERG, Floyd E.**; 10550 North Torrey Pines Road, La Jolla, California 92037 (US).

(74) Agent: **REED, Sean A.**; Wilson Sonsini Goodrich & Rosati, 650 Page Mill Road, Palo Alto, California 94304 (US).

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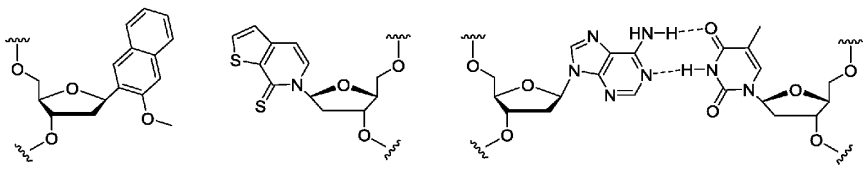


FIG. 1A

(57) Abstract: Disclosed herein are methods, compositions and kits for the synthesis of proteins which comprises unnatural amino acids that utilize a mutant tRNA.