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(71) Applicant *(for all designated States except US)*: **AMYRIS, INC.** [US/US]; 5885 Hollis Street, Suite 100, Emeryville, CA 94608 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **ZHAO, Lishan** [CN/US]; 1465 65th Street, Apt. 470, Emryville, CA 94608 (US). **XU, Lan** [CN/US]; 11785 Miro Circle, San Diego, CA 92131 (US). **WESTFALL, Patrick** [US/US]; 4 Cielo Lane, Unit 4C, Novato, CA 94949 (US). **MAIN, Andrew** [US/US]; 2211 Carleton, Apt. 12, Berkeley, CA 94704 (US).

(74) Agent: **TRAVER, Robert, D.**; Sheridan Ross P.C., 1560 Broadway, Suite 1200, Denver, CO 80202 (US).

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(54) **Title**: METHODS OF DEVELOPING TERPENE SYNTHASE VARIANTS

(57) **Abstract**: The present disclosure relates to methods of developing terpene synthase variants through engineered host cells. Particularly, the disclosure provides methods of developing terpene synthase variants with improved *in vivo* performance that are useful in the commercial production of terpene products. Further encompassed in the present disclosure are superior terpene synthase variants and host cells comprising such terpene synthase variants.