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(71) Applicant: **CODEXIS, INC.** [US/US]; 200 Penobscot Drive, Redwood City, California 94063 (US).

(72) Inventors: **DUAN, Da**; 200 Penobscot Drive, Redwood City, California 94063 (US). **SOWELL-KANTZ, Auric, Anthony**; 431 Montford Ave, Mill Valley, California 94941 (US). **PETKOVA, Aksiniya, Lyubenova**; 200 Penobscot Drive, Redwood City, California 94063 (US). **ALVIZO, Oscar**; 200 Penobscot Drive, Redwood City, California 94063 (US).

(74) Agent: **NEELY WILLIS, Melanie** et al.; Codexis, Inc., 200 Penobscot Drive, Redwood City, California 94063 (US).

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(54) Title: ENGINEERED ADENYLATE KINASE VARIANT ENZYMES

(57) Abstract: The present invention provides engineered adenylate kinase (AdK) enzymes, polypeptides having AdK activity, and polynucleotides encoding these enzymes, as well as vectors and host cells comprising these polynucleotides and polypeptides. Methods for producing AdK enzymes are also provided. The present invention further provides compositions comprising the AdK enzymes and methods of using the engineered AdK enzymes. The present invention finds particular use in the production of pharmaceutical compounds.

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