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(71) Applicant: **TWIST BIOSCIENCE CORPORATION**  
[US/US]; 681 Gateway Boulevard, South San Francisco,  
California 94080 (US).

(72) Inventors: **SATO, Aaron**; 681 Gateway Boulevard, South  
San Francisco, California 94080 (US). **TABIBIAZAR,**  
**Ray**; 681 Gateway Boulevard, South San Francisco, Cali-  
fornia 94080 (US). **GARG, Pankaj**; 681 Gateway Boule-  
vard, South San Francisco, California 94080 (US). **LIU,**  
**Qiang**; 681 Gateway Boulevard, South San Francisco, Cal-  
ifornia 94080 (US).

(74) Agent: **DUSABAN GONZALES, Stephanie**; Wilson  
Sonsini Goodrich & Rosati, 650 Page Mill Road, Palo Alto,  
California 94304 (US).

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(54) Title: VARIANT NUCLEIC ACID LIBRARIES FOR ADENOSINE RECEPTORS



**FIG. 2**

(57) Abstract: Provided herein are methods and compositions relating to adenosine A2A receptor libraries having nucleic acids encoding for a scaffold comprising an adenosine A2A binding domain. adenosine A2A receptor libraries described herein encode for immunoglobulins including antibodies and single domain antibodies. Libraries described herein include variegated libraries comprising nucleic acids each encoding for a predetermined variant of at least one predetermined reference nucleic acid sequence. Further described herein are protein libraries generated when the nucleic acid libraries are translated. Further described herein are cell libraries expressing variegated nucleic acid libraries described herein.

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