

Rosetta Genomics Ltd.
Form 6-K
February 16, 2018

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form 6-K

**REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE
SECURITIES EXCHANGE ACT OF 1934**

For the month of February 2018

Commission File Number 001-33042

ROSETTA GENOMICS LTD.

(Translation of registrant's name into English)

10 Plaut Street, Science Park

Rehovot 76706, Israel

(Address of Principal Executive Offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-For Form 40-F:

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Form 20-F x Form 40-F "

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): "

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): "

Rosetta Genomics Ltd.

On February 16, 2018, Rosetta Genomics Ltd. (the “Company”) issued a press release urging shareholders to vote in favor of the proposed merger with Genoptix, Inc., and providing detail of the voting to-date. A copy of the press release is filed as Exhibit 99.1 to this Form 6-K and incorporated by reference herein.

Exhibits

Exhibit

Description of Exhibit

Number

99.1 Press Release dated February 16, 2018.

Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

**ROSETTA GENOMICS
LTD.**

Date: February 16, 2018 By: /s/ Ron Kalfus
Ron Kalfus
Chief Financial Officer