

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
MAY 20, 2013**

**ORDER GRANTING CONFIDENTIAL TREATMENT
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

Rosetta Genomics Ltd.

File No. 001-33042 - CF#29541

Rosetta Genomics Ltd. submitted an application under Rule 24b-2 requesting confidential treatment for information it excluded from the Exhibits to a Form 20-F filed on March 22, 2013, as amended on May 14, 2013.

Based on representations by Rosetta Genomics Ltd. that this information qualifies as confidential commercial or financial information under the Freedom of Information Act, 5 U.S.C. 552(b)(4), the Division of Corporation Finance has determined not to publicly disclose it. Accordingly, excluded information from the following exhibit(s) will not be released to the public for the time period(s) specified:

Exhibit 4.17 through October 11, 2017

For the Commission, by the Division of Corporation Finance, pursuant to delegated authority:

Lilyanna L. Peyser
Special Counsel