UNITED STATES SECURITIES AND EXCHANGE COMMISSION April 17, 2017

ORDER GRANTING CONFIDENTIAL TREATMENT UNDER THE SECURITIES EXCHANGE ACT OF 1934

Intrexon Corporation

File No. 001-36042 - CF#34976

Intrexon Corporation submitted an application under Rule 24b-2 requesting an extension of a previous grant of confidential treatment for information it excluded from the Exhibits to a Form 8-K/A filed on April 4, 2014.

Based on representations by Intrexon Corporation 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 exhibits will not be released to the public for the time periods specified:

Exhibit 10.1 through April 4, 2020 Exhibit 10.2 through April 4, 2020

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

Brent J. Fields Secretary