

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
January 8, 2013**

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

Senomyx, Inc.

File No. 0-50791- CF#29073

Senomyx, Inc. submitted an application under Rule 24b-2 requesting an extension of prior grants of confidential treatment for information it excluded from the Exhibits to a Form 10-Q filed on May 5, 2006, and a Form 10-Q filed on May 7, 2009.

Based on representations by Senomyx, Inc. 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 | to Form | Filed on | Confidential Treatment Granted |
|----------------|----------------|-----------------|---------------------------------------|
| 10.1 | 10-Q | May 5, 2006 | through April 14, 2013 |
| 10.2 | 10-Q | May 7, 2009 | through April 14, 2013 |

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

John Reynolds
Assistant Director