Wicker Sharon Form 4 April 17, 2013

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 4 or Form 5 obligations may continue. See Instruction

Check this box

if no longer

subject to

Section 16.

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * Wicker Sharon

4767 NEXUS CENTRE DRIVE

(State)

2. Issuer Name and Ticker or Trading Symbol

SENOMYX INC [SNMX]

(First) (Middle) (Last) 3. Date of Earliest Transaction

(Zip)

(Month/Day/Year) 04/15/2013

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Director 10% Owner X_ Officer (give title Other (specify below)

below) See Remarks

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

SAN DIEGO, CA 92121

(City)

1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Beneficial (Instr. 3, 4 and 5) Indirect (I) Ownership (Month/Day/Year) (Instr. 8) Owned Following (Instr. 4) (Instr. 4) Reported

(A) Transaction(s) or

(Instr. 3 and 4) Code V Amount (D) Price

Common 02/28/2013 A 2,904 A (1) 45,985 D Stock

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	ivative Expiration Date urities (Month/Day/Year) uired (A) isposed of tr. 3, 4,		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8 1 5 (
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (Right to Buy)	\$ 2.11	04/15/2013		A	87,500	(2)	04/14/2023	Common Stock	87,500	

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Wicker Sharon						
4767 NEXUS CENTRE DRIVE			See Remarks			
SAN DIEGO, CA 92121						

Signatures

/s/ David B. Berger, Attorney-in-fact 04/15/2013

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- Although not required, the Reporting Person has elected to report 2,904 shares of Common Stock that were acquired by the Reporting Person on 2/28/13 pursuant to the Issuer's Employee Stock Purchase Plan
- (2) 1/4th of the shares vest one year after the date of grant of 4/15/13. 1/48th of the shares vest monthly thereafter over the next 3 years until fully vested on 4/15/17.

Remarks:

*Officer title is Senior Vice President, Chief Commercial Development Officer

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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