FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL

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Check this box if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1(h)

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

KIRK RANDAL J					TREXON CO					(Check all applicable)  X Director X 10% Owner  Officer (give title) Other (specify)						
(Last) (First) (Middle) C/O THIRD SECURITY, LLC 1881 GROVE AVENUE				3. Date of Earliest Transaction (Month/Day/Year) 11/30/2016								X Officer (give title Other (specify below) Chief Executive Officer				
(Street) RADFORD	VA	24141		4. If	f Amendment, Date	of Orig	inal Fi	iled (Month/Da	y/Year)		6. Ind Line) X	•		erson		
(City)	(State)	(Zip)	Jon Deriva	tive	e Securities A	- auire		ienosed o	f or B	enefic	ially	Owned				
1. Title of Security (Instr. 3)		Table 1 - 1	2. Transaction Date (Month/Day/Yea		2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4		(A) or		5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
						Code	v	Amount	(A) or (D)	Price		Transaction(s) (Instr. 3 and 4)				
Common Stock			11/30/201	16		A		24,494(1)	A	\$32.6	66 <sup>(1)</sup>	357,653	I	by Third Security <sup>(3)</sup>		
Common Stock			11/30/201	16		A		6,854(2)	A	\$29.1	8(2)	5,288,980	I	by R.J. Kirk DOT <sup>(3)</sup>		
Common Stock												311,287	I	by Staff 2001 <sup>(3)</sup>		
Common Stock												1,403	I	by Lotus <sup>(3)</sup>		
Common Stock												139,052	I	by JPK 2008 <sup>(3)</sup>		
Common Stock												140,007	I	by MGK 2008 <sup>(3)</sup>		
Common Stock												114,181	I	by ZSK 2008 <sup>(3)</sup>		
Common Stock												720,562	I	by JPK 2009 <sup>(3)</sup>		
Common Stock												850,355	I	by MGK 2009 <sup>(3)</sup>		
Common Stock												75,684	I	by ZSK 2009 <sup>(3)</sup>		
Common Stock												843,044	I	by JPK 2012 <sup>(3)</sup>		
Common Stock												135,033	I	by Kellie L. Banks LTT <sup>(3)</sup>		
Common Stock												118,266	I	by Senior Staff 2006 <sup>(3)</sup>		
Common Stock												59,133	I	by Staff 2006 <sup>(3)</sup>		
Common Stock												19,711	I	by Incentive 2006 <sup>(3)</sup>		
Common Stock												6,649,997	I	by Kapital Joe <sup>(4)</sup>		

1. Title of Security (Instr. 3)			2. Trar Date	2. Transaction		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Disposed Of	Acquired	(A) or	5. Amount of Securities Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
								Code	v	Amount	(A) or (D)	Price	Reporte Transac (Instr. 3	ction(s)		(Instr. 4)
Common	Stock												5,48	83,957	I	by Mascara Kaboom <sup>(4</sup>
Common	Stock												58	3,800	I	by Sr. Staff <sup>(4)</sup>
Common	Stock												17	9,199	I	by ADC 2010 <sup>(4)</sup>
Common	Stock												94	0,426	I	by MGK 2011 <sup>(4)</sup>
Common	Stock												1,3	56,648	I	by Senior Staff 2008 <sup>(4)</sup>
Common	Stock												1,3	56,648	I	by Staff 2010 <sup>(4)</sup>
Common	Stock												67	8,323	I	by Incentive 2010 <sup>(4)</sup>
Common	Stock												22,6	36,052	I	by NRM V <sup>(4)</sup>
Common	Stock												13,3	40,645	I	by NRM VI Holdings <sup>(</sup>
Common Stock												24	3,001	I	by NRM VII Holdings <sup>(4</sup>	
		Та	ıble II - Der	ivative S	Securi	ties A warrai	cqu nts.	ired,	Dis	posed of, convertib	or Ben	eficially urities)	Owned			·
Derivative Conversion Date Exc Security or Exercise (Month/Day/Year) if a		3A. Deemed Execution Dat if any (Month/Day/Yo	eemed 4. Transaction Date, Code (Inst				6. Date Exer Expiration I (Month/Day)		rcisable and Date	7. Title a Amount Securiti Underly Derivati	and t of es ring	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactic (Instr. 4)	Ownersh Form: Direct (D or Indire (I) (Instr.	Beneficial Ownershi ct (Instr. 4)	
				Code	v	(A) (	(D)	Date Exerc	isable	Expiration Date		Amount or Number of Shares				

## Explanation of Responses:

1. In accordance with the Services Agreement between Intrexon and Third Security, LLC ("Third Security") dated November 1, 2015 for services provided by Third Security to Intrexon Corporation ("Intrexon"), Intrexon shall pay to Third Security, on a monthly basis, such number of shares of common stock of Intrexon, rounded down to the nearest whole number, equal to a value of \$800,000. Such value shall be based upon the closing price of the common stock of Intrexon on the NYSE on the 15th calendar day of each month (or, if such date is not a trading day, the most recent trading day prior to such date).

- 2. In accordance with the Restricted Stock Unit Agreement dated November 1, 2015 between Intrexon and Randal J. Kirk, each month Mr. Kirk will receive that number of shares of Intrexon common stock, rounded down to the nearest whole share, whose fair market value equals \$200,000. The number of shares of Intrexon common stock are to become vested and payable based upon the closing price of the common stock of Intrexon on the NYSE on the last calendar day of each month (or, if such date is not a trading day, the most recent trading day prior to such date). Mr. Kirk has designated the R.J. Kirk Declaration of Trust ("R.J. Kirk DOT") to receive these shares
- 3. Randal J. Kirk controls each of Third Security, R.J. Kirk DOT, Third Security Staff 2001 LLC ("Staff 2001"), Lotus Capital (2000) Company Inc. ("Lotus"), JPK 2008, LLC ("JPK 2008"), MGK 2008, LLC ("MGK 2008"), ZSK 2009, LLC ("ZSK 2008"), JPK 2012, LLC ("JPK 2012"), Kellie L. Banks (2009) Long Term Trust ("Kellie L. Banks LTT"), Third Security Senior Staff 2006 LLC ("Senior Staff 2006"), Third Security Staff 2006 LLC ("Staff 2006") and Third Security Incentive 2006 LLC ("Incentive 2006"). Shares held by these entities may be deemed to be beneficially owned (as defined under Rule 13d-3 promulgated under the Securities Exchange Act of 1934, as amended) by Mr. Kirk. Mr. Kirk disclaims beneficial ownership of such shares, except to the extent of any pecuniary interest therein.
- 4. Randal J. Kirk controls each of Kapital Joe, LLC ("Kapital Joe"), Mascara Kaboom, LLC ("Mascara Kaboom"), Third Security Senior Staff LLC ("Sr. Staff"), ADC 2010, LLC ("ADC 2010"), MGK 2011, LLC ("MGK 2011"), Third Security Senior Staff 2008 LLC ("Senior Staff 2008"), Third Security Staff 2010 LLC ("Staff 2010"), Third Security Incentive 2010 LLC ("Incentive 2010"), New River Management V, LP ("NRM V"), NRM VI Holdings I, LLC ("NRM VI Holdings") and NRM VII Holdings I, LLC ("NRM VII Holdings"). Shares held by these entities may be deemed to be beneficially owned (as defined under Rule 13d-3 promulgated under the Securities Exchange Act of 1934, as amended) by Mr. Kirk. Mr. Kirk disclaims beneficial ownership of such shares, except to the extent of any pecuniary interest therein.

/s/ Randal J. Kirk

12/01/2016

\*\* Signature of Reporting Person

Date

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

- \* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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