INTREXON CORP Form SC 13D/A January 02, 2018

UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

#### SCHEDULE 13D

(Amendment No. 5)\*
Under the Securities Exchange Act of 1934

#### INTREXON CORPORATION

(Name of Issuer)

Common Stock (Title of Class of Securities)

46122T102 (CUSIP Number)

Third Security, LLC
1881 Grove Avenue
Radford, Virginia 24141
Attention: Marcus E. Smith, Esq.
(540) 633-7900
(Name, Address and Telephone Number of Person
Authorized to Receive Notices and Communications)

### Copy to:

John Owen Gwathmey, Esq. David I. Meyers, Esq. Troutman Sanders LLP Troutman Sanders Building 1001 Haxall Point Richmond, Virginia 23219 (804) 697-1239

December 29, 2017

(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition which is the subject of this Schedule 13D, and is filing this schedule because of Rule 13d-1(b)(3) or (4), check the following box .

NOTE: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See §240.13d-7 for other parties to whom copies are to be sent.

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 461227		Page 2 of 11 MES OF REPORTING PERSONS		
1	I.R. AB	S. IDENTIFICATION NOS. OF OVE PERSONS (ENTITIES LY)		
	RA	RANDAL J. KIRK		
2		ECK THE APPROPRIATE BOX IF MEMBER OF A GROUP	(a) (b)	
3	SEC	C USE ONLY	(0)	
4	INS	URCE OF FUNDS (SEE STRUCTIONS)		
	PF			
5	LEO REO	ECK BOX IF DISCLOSURE OF GAL PROCEEDINGS IS QUIRED PURSUANT TO ITEM O) OR 2(E)		
	CYT	NATIONAL OF BY A GE OF		
6		TIZENSHIP OR PLACE OF GANIZATION		
	Uni	ted States		
	7	SOLE VOTING POWER		
NUMBER OF	,	57,928,289		
SHARES BENEFICIALLY	8	SHARED VOTING POWER		
OWNED BY EACH	O	0		
REPORTING PERSON WITH	9	SOLE DISPOSITIVE POWER		
	,	57,928,289		
	10	SHARED DISPOSITIVE POWER		
	10	0		

11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 57,928,289
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 47.4%
14	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) IN

CUSIP No. 461227	Γ102 Page 3 of 11 NAMES OF REPORTING PERSONS		
1	I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)		
	R.J. KIRK DECLARATION OF TRUST 31-6661283		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  (a)		
3	SEC USE ONLY		
4	SOURCE OF FUNDS (SEE INSTRUCTIONS)		
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(D) OR 2(E)		
6	CITIZENSHIP OR PLACE OF ORGANIZATION		
	United States		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	SOLE VOTING POWER 7 14,734,205		
	SHARED VOTING POWER  8 0		
	SOLE DISPOSITIVE POWER 9 14,734,205		
	SHARED DISPOSITIVE POWER  10  0		

11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 14,734,205
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 12.1%
14	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  OO - trust

CUSIP No. 461227	T102 Page 4 of 11  NAMES OF REPORTING PERSONS		
1	I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)		
	THIRD SECURITY, LLC I.R.S. IDENTIFICATION NO.: 54-1923091		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  (a)		
3	SEC USE ONLY	<i>'</i> '	
4	SOURCE OF FUNDS (SEE INSTRUCTIONS)		
	WC		
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(D) OR 2(E)		
6	CITIZENSHIP OR PLACE OF ORGANIZATION		
	Virginia		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	SOLE VOTING POWER 7 43,057,648		
	SHARED VOTING POWER  8 0		
	SOLE DISPOSITIVE POWER 9 43,057,648		
	SHARED DISPOSITIVE POWER 10 0		

11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 43,057,648
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 35.3%
14	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  OO – limited liability company

CUSIP No. 461227	Γ102 Page 5 of 11 NAMES OF REPORTING PERSONS		
1	I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)		
	THIRD SECURITY CAPITAL PARTNERS V, LLC I.R.S. IDENTIFICATION NO.: 52-2395642		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a)	
2		(b)	
3	SEC USE ONLY		
4	SOURCE OF FUNDS (SEE INSTRUCTIONS)		
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(D) OR 2(E)		
	WC		
6	CITIZENSHIP OR PLACE OF ORGANIZATION		
	Delaware		
	SOLE VOTING POWER 7		
NUMBER OF SHARES	8,325,000		
BENEFICIALLY OWNED BY	SHARED VOTING POWER  8 0		
EACH REPORTING	SOLE DISPOSITIVE POWER		
PERSON WITH	9 8,325,000		
	SHARED DISPOSITIVE POWER		

11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 8,325,000
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 6.8%
14	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  OO – limited liability company

CUSIP No. 461227	T102 Page 6 of 11  NAMES OF REPORTING PERSONS
1	I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)
	NRM VI HOLDINGS I, LLC I.R.S. IDENTIFICATION NO.: 27-1471440
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  (a) (b)
3	SEC USE ONLY
4	SOURCE OF FUNDS (SEE INSTRUCTIONS)
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(D) OR 2(E)
	WC
6	CITIZENSHIP OR PLACE OF ORGANIZATION
	Virginia
NUMBER OF	SOLE VOTING POWER 7 13,340,645
SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	SHARED VOTING POWER  8 0
	SOLE DISPOSITIVE POWER 9 13,340,645
	SHARED DISPOSITIVE POWER  10 0

11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 13,340,645
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 10.9%
14	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  OO – limited liability company

CUSIP No. 461227		Page 7 of 11 MES OF REPORTING PERSONS	
1	I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)		
	I.R.	PITAL JOE, LLC S. IDENTIFICATION NO.: 2595931	
2		ECK THE APPROPRIATE BOX IF MEMBER OF A GROUP	(a)
	SEC	C USE ONLY	(b)
3			
4		URCE OF FUNDS (SEE TRUCTIONS)	
5	LEC REC	ECK BOX IF DISCLOSURE OF GAL PROCEEDINGS IS QUIRED PURSUANT TO ITEM ) OR 2(E)	
	WC		
6	CITIZENSHIP OR PLACE OF ORGANIZATION		
	Virg	Virginia	
	7	SOLE VOTING POWER	
NUMBER OF SHARES		6,782,622	
BENEFICIALLY OWNED BY	8	SHARED VOTING POWER	
EACH REPORTING		0	
PERSON WITH	9	SOLE DISPOSITIVE POWER	
		6,782,622	
	10	SHARED DISPOSITIVE POWER	
		0	

11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 6,782,622
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 5.6%
14	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  OO – limited liability company

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This Amendment No. 5 (the "Amendment") amends and supplements the Statement on Schedule 13D, dated March 27, 2014 and filed on April 7, 2014, as amended by Amendment No. 1 dated December 31, 2014 and filed on January 5, 2015, by Amendment No. 2 dated May 31, 2016 and filed June 2, 2016, by Amendment No. 3 dated July 24, 2017 and filed July 26, 2017, and by Amendment No. 4 dated October 16, 2017 and filed October 23, 2017 (the "Original Schedule 13D"), relating to the Common Stock, no par value per share (the "Common Stock"), of Intrexon Corporation, a Virginia corporation (the "Company"). Mr. Randal J. Kirk ("Mr. Kirk"), the R.J. Kirk Declaration of Trust, a revocable trust established by Mr. Kirk ("RJ DOT"), Third Security, LLC, a Virginia limited liability company that is controlled by Mr. Kirk ("Third Security"), Third Security Capital Partners V, LLC ("TSCP V"), a Delaware limited liability company that is managed by Third Security ("Kapital Joe"), and NRM VI Holdings I, LLC, a Delaware limited liability company that is managed by an affiliate that is managed by Third Security ("NRM VI Holdings" and, together with Mr. Kirk, the RJ DOT, Third Security, TSCP V, and Kapital Joe, the "Reporting Persons") are filing this Amendment to disclose the purchase by the RJ DOT of 1,207,980 shares of Common Stock in a private placement transaction on December 29, 2017, for aggregate gross proceeds to the Company of \$13,686,413.40 (the "Private Placement").

### Item 4. Purpose of Transaction.

Item 4 of the Original Schedule 13D is hereby amended and supplemented as follows:

On December 29, 2017, the RJ DOT entered into a Subscription Agreement with the Company, which agreement is filed herewith as Exhibit 1 and incorporated herein by reference, pursuant to which the RJ DOT agreed to purchase 1,207,980 shares of Common Stock, no par value, in the Private Placement. The number of shares purchased by the RJ DOT represents just under 1% of the Common Stock outstanding prior to the Private Placement, which is the maximum that an affiliate of Mr. Kirk could purchase from the Company in the Private Placement under the rules of the New York Stock Exchange ("NYSE"). The price per share in the Private Placement was \$11.33, which was the closing price of the Common Stock on the NYSE on December 28, 2017. The Private Placement was funded and closed on December 29, 2017.

#### Item 5. Interest in Securities of the Issuer.

Items 5(a) and (b) of the Original Schedule 13D are hereby amended and restated to read in their entirety as follows:

(a) and (b) See items 11 and 13 of the cover pages to this Statement for the aggregate number of shares and percentage of issued and outstanding shares of Common Stock of the Company owned by the Reporting Persons. The percentage ownership is calculated based on 120,720,505 shares of Common Stock issued and outstanding as of October 31, 2017 as disclosed in the Intrexon Corporation Quarterly Report on Form 10-Q for the period ended September 30, 2017 and filed on November 9, 2017, increased by: (i) 63,241 and 63,291 shares of Common Stock issued to Third Security on November 30, 2017 and December 29, 2017, respectively, pursuant to the Services Agreement by and between the Company and Third Security dated November 1, 2015 (the "Services Agreement") and (ii) 14,662 and 17,361 shares of Common Stock issued to Randal J. Kirk on November 30, 2017 and December 29, 2017, respectively, pursuant to the Restricted Stock Unit Agreement by and between the Company and Randal J. Kirk dated November 1, 2015 (the "RSU Agreement"); and (iii) 1,207,980 shares of Common Stock issued in the Private Placement.

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		Shared				Shared Power	
Reporting Person	Amount of Common	Sole Power Power			Sole Power to	Sole Power to	
	Stock	Percent to Vote or to of Class Direct		to	Dispose or to	to	
	Beneficially			Vote or	Direct the	Dispose or to	
	Owned		the Vote	Direct	Disposition	Direct the	
			the Vote		2	Disposition	
Randal J. Kirk	57,928,289	47.4%	57,928,289	<del>)</del>	57,928,289		
R.J. Kirk Declaration of Trust	14,734,205	12.1%	14,734,205	5	14,734,205		
Third Security, LLC	43,057,648	35.3%	43,057,648	3	43,057,648		
Third Security Capital Partners V LLC	V, 8,325,000	6.8%	8,325,000		8,325,000		
NRM VI Holdings I, LLC	13,340,645	10.9%	13,340,645	5	13,340,645		
Kapital Joe, LLC	6,782,622	5.6%	6,782,622		6,782,622		

Mr. Kirk could be deemed to have indirect beneficial ownership of the shares of Common Stock directly beneficially owned by the RJ DOT, Third Security, TSCP V, Kapital Joe, and NRM VI Holdings. Mr. Kirk controls Third Security, which is the manager of TSCP V and Kapital Joe and which manages the manager of NRM VI Holdings.

(c) Pursuant to the Services Agreement, the Company will pay to Third Security, on a monthly basis, such number of shares of Common Stock, rounded down to the nearest whole number, equal to a value of \$800,000. Pursuant to the Services Agreement, the Company issued to Third Security 63,241 and 63,291 shares of Common Stock on November 30, 2017 and December 29, 2017, respectively.

Pursuant to the RSU Agreement, Mr. Kirk will receive, on a monthly basis, that number of shares of Common Stock, rounded down to the nearest whole share, whose fair market value equals \$200,000. The number of shares of Common Stock are to become vested and payable based upon the closing price of the Common Stock 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). Pursuant to the RSU Agreement, the Company issued to Mr. Kirk 14,662 and 17,361 shares of Common Stock on November 30, 2017 and December 29, 2017, respectively.

### (d) - (e) Not applicable

Item 6. Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer.

The Reporting Persons' response to Item 4 is incorporated herein by reference.

CUSIP No. 46122T102 Page 10 of 11 Item 7. Material to be Filed as Exhibits.

Exhibit  $1_{\text{Intrexon Corporation}}^{\text{Subscription Agreement, dated December 29, 2017, by and between the R.J. Kirk Declaration of Trust and Intrexon Corporation$ 

Exhibit 2 Joint Filing Agreement, dated as of January 2, 2018, by and among Randal J. Kirk, the R.J. Kirk Declaration of Trust, Third Security, LLC, Third Security Capital Partners V, LLC, Kapital Joe, LLC, and NRM VI Holdings I, LLC.

# CUSIP No. 46122T102 Page 11 of 11 SIGNATURES

After reasonable inquiry and to the best of their knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

Date: January 2, 2018

/s/ Randal J. Kirk Randal J. Kirk

R.J. KIRK DECLARATION OF TRUST

By:/s/ Randal J. Kirk Randal J. Kirk Trustee

THIRD SECURITY, LLC

By:/s/ Randal J. Kirk Randal J. Kirk Manager

THIRD SECURITY CAPITAL PARTNERS V, LLC

By:/s/ Randal J. Kirk Randal J. Kirk Manager

KAPITAL JOE, LLC

By:/s/ Randal J. Kirk Randal J. Kirk Manager

NRM VI HOLDINGS I, LLC

By:/s/ Randal J. Kirk Randal J. Kirk Manager

### **EXHIBIT INDEX**

Exhibit 1 Subscription Agreement, dated December 29, 2017, by and between the R.J. Kirk Declaration of Trust and Intrexon Corporation

Exhibit 2 Joint Filing Agreement, dated as of January 2, 2018, by and among Randal J. Kirk, the R.J. Kirk Declaration of Trust, Third Security, LLC, Third Security Capital Partners V, LLC, Kapital Joe, LLC, and NRM VI Holdings I, LLC.