Form **8937**(December 2011) Department of the Treasury

Report of Organizational Actions Affecting Basis of Securities

▶ See separate instructions.

OMB No. 1545-2224

P	art I Reporting I	ssuer										
1	Issuer's name		2 Issuer's employer identification number (EIN)									
Intr	exon Corporation		26-0084895									
			4 Telephon	e No. of contact	5 Email address of contact							
Christopher Basta				561-410-7052	investors@intrexon.com							
6	Number and street (or P	P.O. box if mail is not	7 City, town, or post office, state, and Zip code of contact									
	74 Seneca Meadows Pa	arkway			Germantown, MD 20876							
8	Date of action			ification and description								
	ne 16, 2017			ion of GenVec, Inc. ("Gen								
10	CUSIP number	11 Serial number	(S)	12 Ticker symbol	13 Account number(s)							
	46122T102	N/A		XON	N/A							
Pa	Part II Organizational Action Attach additional statements if needed. See back of form for additional questions.											
14												
the action ► On June 16, 2017, Intrexon Corporation ("Intrexon") and its subsidiary, Intrexon GV Holding, Inc., completed the												
acquisition of GenVec, as Intrexon GV Holding, Inc. was merged with and into GenVec, with GenVec surviving. Intrexon issued 0.297 shares												
of I	ntrexon common stock	and 1 contingent	payment right	in exchange for each con	nmon share of GenVec. The contingent payment rights							
ent	itle the holders, in the a	ggregate, to an am	ount equal to	half of certain payments	actually received by GenVec under a certain collaboration							
agr	eement. As a result of	the merger, GenVe	c common st	ock is no longer publicly t	traded.							
	500 St. 100 St											
15 Describe the quantitative effect of the organizational action on the basis of the security in the hands of a U.S. taxpayer as an adjustment per share or as a percentage of old basis ▶ See attached statement.												
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_												
16	Describe the calculation	on of the change in	basis and the	data that supports the calcu	ulation, such as the market values of securities and the							
	valuation dates ► The	value of Intrexon	common stoc	k as of the close of busine	ess on June 15, 2017, the date immediately prior to the							
me	rger, was \$22.82. Intre	con has estimated	the value of the	ne contingent payment rig	hts to be approximately \$585,000 in the aggregate,							
whi	ich equates to \$0.25 pe	r GenVec share. Th	is valuation v	was determined through th	ne use of a probability-weighted discounted cash flow							
mo	del.											
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Part II		Organizational Action (continued)				
7000 Proper						
		applicable Internal Revenue Code section(s) and sub-	3875 17			
		intended to be treated as a reorganization within 54 governs exchanges of stock in reorganization				
		ns. IRC Section 358 governs basis to distributee				
-	-	223 governs the holding period of property.	s. IKC Section 1001 govern	3 the anno	unt and rec	ognition of gain of 1033.
INC Seci	uon i	223 governs the nothing period of property.				
10 121						
	in any	resulting loss be recognized? ► The only loss the	at may be recognized is any	resulting	loss from t	he disposition of fractional
shares.	_					
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	_					
	_			77 - 18 - 18 - 18 - 18 - 18 - 18 - 18 -		
-	_					
		any other information necessary to implement the a				
transact	ion is	s the taxpayer's year that includes the merger da	te of June 16, 2017, which fo	r a calend	lar year tax	payer is 2017.
					E 116 39	
	Unde	r penalties of perjury, I declare that I have examined this re	eturn, including accompanying sc	hedules and	statements,	and to the best of my knowledge and
	belief	, it is true, correct, and complete. Declaration of preparer (other than officer) is based on all in	nformation o	f which prepa	arer has any knowledge.
Sign		-h			-/	_ / _
Here	Signa	ature >		_ Date ▶	1/3	3//17
					1	7
	Print	your name ► Rick L. Sterling	E Marie Santa Const	Title ▶	Chief Fina	ancial Officer
Paid		Print/Type preparer's name Preparer'	s signature	Date		Check if PTIN
Prepa	rer					self-employed
Use C		Firm's name ▶				Firm's EIN ▶
		Firm's address ▶				Phone no.
Send Fo	rm 89	337 (including accompanying statements) to: Depart	ment of the Treasury, Internal	Revenue S	Service, Ogo	den, UT 84201-0054

Intrexon Corporation Attachment to Form 8937

Form 8937, Part II, Item 15

Describe the quantitative effect of the organizational action on the basis of the security in the hands of a U.S. taxpayer as an adjustment per share or as a percentage of old basis ▶

GenVec shareholders are urged to consult their own tax advisors as well as the Schedule 14A filed by GenVec with the Securities and Exchange Commission on May 12, 2017 for a discussion of the risk factors surrounding the characterization for income tax purposes of the merger and additional details regarding receipt of the contingent payment rights, as well as additional details that pertain to non-individual or ex-United States GenVec shareholders.

The foregoing discussion assumes that the transaction qualifies as a reorganization under Internal Revenue Code Section 368(a)(2)(E) and that the receipt of the contingent payment right is a closed transaction.

A United States citizen individual GenVec shareholder would undertake the following steps to determine their recognized gain and basis of Intrexon common stock received in the merger.

- 1. Multiply the number of GenVec shares exchanged by 0.297. This is the number of Intrexon shares to be received, inclusive of fractional shares.
- 2. Multiply the result of step 1 by \$22.82, the value per share of Intrexon common stock (see Item 16).
- 3. Multiply the number of GenVec shares exchanged by \$0.25, the estimated value of the contingent payment right (see Item 16).
- 4. Add the results of steps 2 and 3.
- 5. Compare the result of step 4 to the tax basis of the surrendered GenVec shares. This amount is a shareholder's realized gain or loss.
- 6. Recognize gain, but not loss, to the extent of the lesser of the results of steps 3 and 5.
- 7. The Intrexon common stock basis, inclusive of fractional shares, will be the basis of the GenVec stock exchanged, decreased by the result of step 3, then increased by the result of step 6.
- 8. Compare the cash received in lieu of any fractional Intrexon share to the basis allocable to the fractional share based on the result of step 7 and recognize any gain or loss on the disposition of the fractional share.

The contingent payment right will have an initial basis of \$0.25 per contingent payment right. Its holding period will begin for tax purposes on June 17, 2017.

The holding period for Intrexon common stock will include the holding period of the exchanged GenVec common stock.