FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington D.C. 20549

washington,	D.C.	20549	

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL								
OMB Number:	3235-0287							
Estimated average burden								
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>KUSSMAN CRAIG</u>						2. Issuer Name and Ticker or Trading Symbol ORGANOVO HOLDINGS, INC. [ONVO]										ationship of Reporting all applicable) Director		10%	Owner
(Last) (First) (Middle) 6275 NANCY RIDGE DRIVE, SUITE 110						3. Date of Earliest Transaction (Month/Day/Year) 05/16/2018									X	Officer (give title below) Chief Final		belo ncial Office	,
(Street) SAN DIE			92121 Zip)		4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								. Indiv ine) X	vidual or Joint/Group Filing (Check Applicable 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																			
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da					Execution Date,		3. Transaction Code (Instr. 8) 4. Securities Acquired (A Disposed Of (D) (Instr. 3				l and 5) Sed Bed Ow		ount of ities icially d Following ted	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	of Indirect				
								Code	v	Amount		(A) or (D)	Price	Trans		action(s) 3 and 4)		(11301.4)	
Common Stock 05/10				05/16/2	2018		F		11,720(1)		D \$1.662		621	288,763 ⁽²⁾		D			
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																		
1. Title of Derivative Security (Instr. 3) 2. Conversion or Exercise Price of Derivative Security Security 3. Transaction Date (Month/Day/Year) (Month/Day/Year) (Month/Day/Year)		n Date,	4. Transa Code (I 8)			6. Date Exercisable and Expiration Date (Month/Day/Year) Date Expiration Exercisable Date		7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4) Amount or Numbe of Title Shares		nstr. 3 nount mber	t		9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownershi Form: Direct (D) or Indirec (I) (Instr. 4	Beneficial Ownership t (Instr. 4)				

Explanation of Responses:

- 1. Represents the mandatory sale of shares to satisfy the Reporting Person's tax withholding obligations, in connection with the partial vesting and settlement of restricted stock units granted in August 2016 and June 2017, pursuant to the Reporting Person's agreement with the Issuer.
- 2. This number does not include 330,000 shares of common stock underlying oustanding options held by Mr. Kussman; post-transaction Mr. Kussman continues to beneficially own or have a right to acquire 618,763 shares of common stock.

Remarks:

/s/ Craig Kussman

05/17/2018

** 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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.