SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Schedule 13G (Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1 (b), (c) AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO 13d-2 (b))*

(Amendment No.

Replimune Group, Inc.

(Name of Issuer)

Common Stock, par value \$0.001 (Title of Class of Securities)

76029N106

(CUSIP Number)

July 20, 2018

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c) х
- Rule 13d-1(d)

*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).

(Continued on following pages)

Page 1 of 11

Exhibit Index on Page 10

1	NAME OF REPORTING PERSONS Foresite Capital Fund III, L.P. ("FCF III")								
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP								
	(a) 🗆 (b) x								
3	SEC USE ONLY								
4	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware								
NUMBER OF 5 SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON 6 7 8		5	SOLE VOTING POWER 779,656 shares, except that Foresite Capital Management III, LLC ("FCF III, may be deemed to have sole power to vote these shares, and ("Tananbaum"), the managing member of FCM III, may be deemed to shares.	James Tar	anbaum	- L			
		6	SHARED VOTING POWER See response to row 5.						
		7	SOLE DISPOSITIVE POWER 779,656 shares, except that FCM III, the general partner of FCF III, n power to dispose of these shares, and Tananbaum, the managing men to have sole power to dispose of these shares.						
		8	SHARED DISPOSITIVE POWER See response to row 7.						
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 779,656								
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES								
11	PERCENT OF CLASS F	REPRESEN	TED BY AMOUNT IN ROW 9		2.5%*				
12	TYPE OF REPORTING PERSON PN								

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1	NAME OF REPORTING PERSONS Foresite Capital Management III, LLC ("FCM III")								
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b) x								
3	SEC USE ONLY								
4	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware								
NUMBER OF 5 SHARES SHARES BENEFICIALLY OWNED BY EACH REPORTING 6 WITH 7 8		5	SOLE VOTING POWER 779,656 shares, all of which are directly owned by FCF III. FCM III, th may be deemed to have sole power to vote these shares, and Tananbau FCM III, may be deemed to have sole power to vote these shares.						
		6	SHARED VOTING POWER See response to row 5.						
		7	SOLE DISPOSITIVE POWER 779,656 shares, all of which are directly owned by FCF III. FCM III, th may be deemed to have sole power to dispose of these shares, and Tana of FCM III, may be deemed to have sole power to dispose of these sha	anbaum, t					
		8	SHARED DISPOSITIVE POWER See response to row 7.						
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 779,656								
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES								
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 2.5%*								
12	TYPE OF REPORTING PERSON OO								

1	NAME OF REPORTING PERSONS Foresite Capital Fund IV, L.P. ("FCF IV")								
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP								
	(a) \Box (b) x								
3	SEC USE ONLY								
4	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware								
NUMBER OF 5 SHARES 5 BENEFICIALLY 0WNED BY EACH REPORTING 6 WITH 7 8		5	SOLE VOTING POWER 1,229,656 shares, except that Foresite Capital Management IV, LLC ("FCM IV"), the general partner of FCF IV, may be deemed to have sole power to vote these shares, and Tananbaum, the managing member of FCM IV, may be deemed to have sole power to vote these shares.						
		6	SHARED VOTING POWER See response to row 5.						
		7	SOLE DISPOSITIVE POWER 1,229,656 shares, except that FCM IV, the general partner of FCF IV, power to dispose of these shares, and Tananbaum, the managing mem to have sole power to dispose of these shares.						
		8	SHARED DISPOSITIVE POWER See response to row 7.						
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,229,656								
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES								
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 3.9%*								
12	TYPE OF REPORTING PERSON PN								

1	NAME OF REPORTING PERSONS Foresite Capital Management IV, LLC ("FCM IV")								
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP								
	(a) \Box (b) x								
3	SEC USE ONLY								
4	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware								
NUMBER OF 5 SHARES 5 BENEFICIALLY 0WNED BY EACH REPORTING 6 WITH 7 8		5	SOLE VOTING POWER 1,229,656 shares, all of which are directly owned by FCF IV. FCM IV, the general partner of FCF IV, may be deemed to have sole power to vote these shares, and Tananbaum, the managing member of FCM IV, may be deemed to have sole power to vote these shares.						
		6	SHARED VOTING POWER See response to row 5.						
		7	SOLE DISPOSITIVE POWER 1,229,656 shares, all of which are directly owned by FCF IV. FCM IV may be deemed to have sole power to dispose of these shares, and Ta of FCM IV, may be deemed to have sole power to dispose of these sh	nanbaum,					
		8	SHARED DISPOSITIVE POWER See response to row 7.						
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,229,656								
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES								
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 3.9%*								
12	TYPE OF REPORTING PERSON OO								

1	NAME OF REPORTING PERSONS James Tananbaum ("Tananbaum")								
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP								
	(a)								
3	SEC USE ONLY								
4	CITIZENSHIP OR PLAC United States	CITIZENSHIP OR PLACE OF ORGANIZATION United States							
NUMBER OF 5 SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON 6 7 7		5	SOLE VOTING POWER 2,009,312 shares, of which 779,656 are directly owned by FCF III and 1,229,656 are directly owned by FCF IV. Tananbaum is the managing member of FCM III, which is the general partner of FCF III, and the managing member of FCM IV, which is the general partner of FCF IV. Tananbaum may be deemed to have sole power to vote these shares.						
		6	SHARED VOTING POWER See response to row 5.						
		7	SOLE DISPOSITIVE POWER 2,009,312 shares, of which 779,656 are directly owned by FCF III and 1 by FCF IV. Tananbaum is the managing member of FCM III, which is th and the managing member of FCM IV, which is the general partner of FC deemed to have sole power to dispose of these shares.	ne general	partne	r of FC	F III,		
		8	SHARED DISPOSITIVE POWER See response to row 7.						
9	AGGREGATE AMOUN REPORTING PERSON	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 2,009,312							
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES								
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 6.4%*								
12	TYPE OF REPORTING PERSON IN								

ITEM 1(A).	NAME OF ISSUER
	Replimune Group, Inc. (the "Issuer")
ITEM 1(B).	ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES
	18 Commerce Way Woburn, MA 01801
ITEM 2(A).	NAME OF PERSONS FILING
	This Schedule is filed by Foresite Capital Fund III, L.P., a Delaware limited partnership ("FCF III"), Foresite Capital Management III, LLC, a Delaware limited liability company ("FCM III"), Foresite Capital Fund IV, L.P., a Delaware limited partnership ("FCF IV"), Foresite Capital Management IV, LLC, a Delaware limited liability company ("FCM IV"), and James Tananbaum. The foregoing entities and individuals are collectively referred to as the "Reporting Persons."
ITEM 2(B).	ADDRESS OF PRINCIPAL OFFICE
	The address for each of the Reporting Persons is:
	c/o Foresite Capital Management 600 Montgomery Street, Suite 4500 San Francisco, CA 94111
ITEM 2(C).	CITIZENSHIP
	See Row 4 of cover page for each Reporting Person.
ITEM 2(D).	TITLE OF CLASS OF SECURITIES
	Common Stock, par value \$0.001
ITEM 2(D)	CUSIP NUMBER
	76029N106
ITEM 3.	<u>IF THIS STATEMENT IS FILED PURSUANT TO RULE 13D-1(B), OR 13D-2(B) OR (C), CHECK WHETHER THE PERSON</u> <u>FILING IS A:</u>
	Not applicable.
ITEM 4.	OWNERSHIP
	The following information with respect to the ownership of the Common Stock of the Issuer by the persons filing this Statement is provided as of January 23, 2019:
	(a) <u>Amount beneficially owned</u> :
	See Row 9 of cover page for each Reporting Person.
	(b) <u>Percent of Class</u> :
	See Row 11 of cover page for each Reporting Person.

00251	100		
	(c) <u>Numb</u>	er of share	s as to which such person has:
		(i)	Sole power to vote or to direct the vote:
			See Row 5 of cover page for each Reporting Person.
		(ii)	Shared power to vote or to direct the vote:
			See Row 6 of cover page for each Reporting Person.
		(iii)	Sole power to dispose or to direct the disposition of:
			See Row 7 of cover page for each Reporting Person.
		(iv)	Shared power to dispose or to direct the disposition of:
			See Row 8 of cover page for each Reporting Person.
ITEM 5.	OWNERSHIP OF FIVE PE	RCENT O	R LESS OF A CLASS
	Not applicable.		
ITEM 6.	OWNERSHIP OF MORE T	<u>'HAN FIVI</u>	E PERCENT ON BEHALF OF ANOTHER PERSON.
	agreements of FCM III and	FCM IV th om, or the p	a the limited partnership agreements of FCF III and FCF IV and the limited liability company e partners or members, as the case may be, of each of such entities may be deemed to have the proceeds from the sale of, shares of the Issuer directly or indirectly owned by each such entity of
ITEM 7.	IDENTIFICATION AND C ON BY THE PARENT HO		ATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED MPANY
	Not applicable.		
ITEM 8.	IDENTIFICATION AND C	LASSIFIC	ATION OF MEMBERS OF THE GROUP.
	Not applicable		
ITEM 9.	NOTICE OF DISSOLUTIO	N OF GRO	DUP.
	Not applicable		
ITEM 10.	CERTIFICATION.		
	held for the purpose of or w	ith the effeo rith or as a j	best of my knowledge and belief, the securities referred to above were not acquired and are not act of changing or influencing the control of the issuer of the securities and were not acquired and participant in any transaction having that purpose or effect, other than activities solely in 240.14a-11.

SIGNATURES

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

Date: January 23, 2019

FORESITE CAPITAL FUND III, L.P.

By: FORESITE CAPITAL MANAGEMENT III, LLC Its: General Partner

By: /s/ James Tananbaum Name: James Tananbaum

Title: Managing Member

FORESITE CAPITAL MANAGEMENT III, LLC

By: /s/ James Tananbaum Name: James Tananbaum Title: Managing Member

FORESITE CAPITAL FUND IV, L.P.

- By: FORESITE CAPITAL MANAGEMENT IV, LLC
- Its: General Partner

By: /s/ James Tananbaum

Name: James Tananbaum Title: Managing Member

FORESITE CAPITAL MANAGEMENT IV, LLC

By: /s/ James Tananbaum Name: James Tananbaum Title: Managing Member

JAMES TANANBAUM

By: /s/ James Tananbaum Name: James Tananbaum

EXHIBIT INDEX

<u>Exhibit</u>

Exhibit A: Agreement of Joint Filing

Found on Sequentially <u>Numbered Page</u>

EXHIBIT A

Agreement of Joint Filing

The undersigned hereby agree that a single Schedule 13G (or any amendment thereto) relating to the Common Stock of the Issuer shall be filed on behalf of each of the undersigned and that this Agreement shall be filed as an exhibit to such Schedule 13G.

Date: January 23, 2019

FORESITE CAPITAL FUND III, L.P.

By: FORESITE CAPITAL MANAGEMENT III, LLC Its: General Partner

By: /s/ James Tananbaum

Name: James Tananbaum Title: Managing Member

FORESITE CAPITAL MANAGEMENT III, LLC

By: /s/ James Tananbaum

Name: James Tananbaum Title: Managing Member

FORESITE CAPITAL FUND IV, L.P.

FORESITE CAPITAL MANAGEMENT IV, LLC By: Its: General Partner

By: /s/ James Tananbaum

Name: James Tananbaum

Title: Managing Member

FORESITE CAPITAL MANAGEMENT IV, LLC

By: /s/ James Tananbaum Name: James Tananbaum Title: Managing Member

JAMES TANANBAUM

By: /s/ James Tananbaum

Name: James Tananbaum