UNITED STATES 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 RULE 13d-2(b)

(Amendment No. 4)¹

Repare Therapeutics Inc.
(Name of Issuer)
Common Shares, no par value
(Title of Class of Securities)
760273102
(CUSIP Number)
June 2, 2022
(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)
□ 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 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, <i>see</i> the <i>Notes</i>).

1 NAME OF REPORTING PERSON Biotechnology Value Fund, L.P. 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) ⊠ (b) □ 3 SEC USE ONLY 4 CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 7 SOLE DISPOSITIVE POWER 4,368,757 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 4,368,757 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES □ 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		1111 (E OF PEROP	TRY O PER CONT	
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	1	NAME OF REPOR	TING PERSON	
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d				
3 SEC USE ONLY 4 CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF SOLE VOTING POWER SHARES BENEFICIALLY 0 OWNED BY EACH REPORTING 4,368,757 PERSON WITH 7 SOLE DISPOSITIVE POWER 8 SHARED DISPOSITIVE POWER 4,368,757 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 4,368,757 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
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OWNED BY EACH REPORTING PERSON WITH 7 SOLE DISPOSITIVE POWER 0 8 SHARED DISPOSITIVE POWER 4,368,757 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 4,368,757 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	SHARES			
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PERSON WITH 7 SOLE DISPOSITIVE POWER 0 8 SHARED DISPOSITIVE POWER 4,368,757 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 4,368,757 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	EACH			
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8 SHARED DISPOSITIVE POWER 4,368,757 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 4,368,757 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	PERSON WITH	7	SOLE DISPOSITIVE POWER	
8 SHARED DISPOSITIVE POWER 4,368,757 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 4,368,757 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
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9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 4,368,757 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		8	SHARED DISPOSITIVE POWER	
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 4,368,757 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
4,368,757 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			4,368,757	
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES □	9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES □				
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	10	CHECK BOX IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	11	PERCENT OF CLA	ASS REPRESENTED BY AMOUNT IN ROW (9)	
			.,	
10.4%		10.4%		
12 TYPE OF REPORTING PERSON	12	TYPE OF REPORT	TING PERSON	
PN		PN		

1	NAME OF REPOR	TING PERSON	
	BVF I GP LL	C	
2		ROPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵
			(b) □
3	SEC USE ONLY		
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH REPORTING		4,368,757	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		4,368,757	
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	4,368,757		
10		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLA	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	10.4%		
12	TYPE OF REPORT	TING PERSON	
	00		

	NAME OF PEROP	TRUC PERCON	
1	NAME OF REPOR	TING PERSON	
		y Value Fund II, L.P.	
2	CHECK THE APPI	ROPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠
			(b) □
3	SEC USE ONLY		
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		3,231,579	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		3,231,579	
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	3,231,579		
10	CHECK BOX IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLA	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	7.7%		
12	TYPE OF REPORT	TING PERSON	
	PN		

	NAME OF BEROR	TO A DED GOAL	
1	NAME OF REPOR	TING PERSON	
	DIVE II OD I I		
	BVF II GP LI		
2	CHECK THE APPI	ROPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠
			(b) □
	and translation		
3	SEC USE ONLY		
4	CITIZENCHID OD	PLACE OF ORGANIZATION	
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES		SOLE VOTINGTOWER	
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		3,231,579	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	_
	8	SHARED DISPOSITIVE POWER	
		2.204.550	
	A CORECATE AM	3,231,579	
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	3,231,579		
10		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	П
10	CHECK BOX II 11	TE AGGREGATE AMOUNT IN NOW (7) EXCEODES CERTAIN STIARES	
11	PERCENT OF CLA	ASS REPRESENTED BY AMOUNT IN ROW (9)	
		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	7.7%		
12	TYPE OF REPORT	TING PERSON	
	00		

1	NAME OF REPORT	TING DEDCOM	
1	NAME OF REPOR	TING PERSON	
	Riotechnology	Value Trading Fund OS LP	
2		OPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵
2	CHECK THE ALL	OF KIATE BOX IF A MEMBER OF A GROUT	(a) ⊠ (b) □
			(0) 🗆
3	SEC USE ONLY		
	SEC OSE OTTE		
4	CITIZENSHIP OR 1	PLACE OF ORGANIZATION	
	Cayman Island		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY EACH	6	SHARED VOTING POWER	
REPORTING		406,436	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
TERSON WITH	/	SOLL DISTOSITIVE TOWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		406,436	
9	AGGREGATE AMO	DUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
1.0	406,436		
10	CHECK BOX IF TH	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)	
11	LIKELINI OI CLA	SO REFERENCE DE MINOCITE IN NOW (7)	
	Less than 1%		
12	TYPE OF REPORT	ING PERSON	
	PN		

1	NAME OF REPORT	TING DED SON	
1	NAME OF REPOR	TING PERSON	
	BVF Partners	OS Ltd	
2		COPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵
2	CHECK THE ALL	OF RIATE BOX IF A MEMBER OF A GROOT	(a) ⊠ (b) □
			(0) 🗆
3	SEC USE ONLY		
4	CITIZENSHIP OR I	PLACE OF ORGANIZATION	
	Cayman Island		
NUMBER OF	5	SOLE VOTING POWER	
SHARES BENEFICIALLY			
OWNED BY	6	0 SHARED VOTING POWER	
EACH	0	SHARED VOTING FOWER	
REPORTING		406,436	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
	,		
		0	
	8	SHARED DISPOSITIVE POWER	
		406,436	
9	AGGREGATE AMO	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	106 126		
10	406,436	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	П
10	CHECK BOX II 11	IE AGGREGATE AMOUNT IN ROW (9) EACLODES CERTAIN SHARES	
11	PERCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)	
		()	
	Less than 1%		
12	TYPE OF REPORT	ING PERSON	
	СО		

1	NAME OF REPORT	TING PERSON	
1	NAME OF KEI OK	TING LERSON	
	BVF GP Hold	lings LLC	
2		ROPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
7	CITIZENSIIII OK	TENCE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY OWNED BY	6	0 SHARED VOTING POWER	
EACH	0	SHAKED VOTING FOWEK	
REPORTING		7,600,336	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		7,600,336	
9	AGGREGATE AMO	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	7,600,336		_
10	CHECK BOX IF TH	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)	
	l services of SEA	2 2 2 ()	
	18.1%		
12	TYPE OF REPORT	ING PERSON	
	00		
	00		

[r-	+		
1	NAME OF REPOR	RTING PERSON	
	BVF Partner		
2	CHECK THE APP	ROPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠
			(b) □
3	SEC USE ONLY		
			_
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	D.L.		
NUMBER OF	Delaware 5	SOLE VOTING POWER	
NUMBER OF SHARES	3	SOLE VOTING POWER	
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH	U	SHAKED VOTING FOWER	
REPORTING		8,141,988	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
T Bridger William	,	SOLE DISTOSITIVE TO WER	
		0	
	8	SHARED DISPOSITIVE POWER	
		8,141,988	
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	8,141,988		
10	CHECK BOX IF T	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
44	DED GEVEN OF ST	A GO DEDDEGO VEED DV. A VOYDYT DV DAW (A)	
11	PERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	19.4%		
12	TYPE OF REPOR	TING DEDGON	
12	I TPE OF KEPOK	TINU PERSON	
	PN, IA		
	FIN, IA		

	NAME OF BEROR	EDIO DEDGOM	
l l	NAME OF REPOR	TING PERSON	
	BVF Inc.		
2	CHECK THE APP	ROPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠
			(b) □
3	SEC USE ONLY		
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		8,141,988	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		8,141,988	
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	8,141,988		
10	CHECK BOX IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLA	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	19.4%		
12	TYPE OF REPORT	TING PERSON	
	CO		

1 NAME OF REPORTING PERSON	
Mark N. Lampert	
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠
	(b) □
3 SEC USE ONLY	
4 CITIZENSHIP OR PLACE OF ORGANIZATION	
United States	
NUMBER OF 5 SOLE VOTING POWER	
SHARES	
BENEFICIALLY 0	
OWNED BY 6 SHARED VOTING POWER	
EACH	
REPORTING 8,141,988	
PERSON WITH 7 SOLE DISPOSITIVE POWER	
8 SHARED DISPOSITIVE POWER	
0.141.000	
8,141,988 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
AUGREGATE AMOUNT DENEFICIALLY OWNED DY EACH REPORTING PERSON	
8,141,988	
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	П
CHECK BOX II THE MOCKEON EMWOON IN KOW (7) EXCEODES CERTAIN SHARES	J
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
19.4%	
12 TYPE OF REPORTING PERSON	
IN	

Item 1(a). Name of Issuer:

Repare Therapeutics Inc., a Canada corporation (the "Issuer").

Item 1(b). Address of Issuer's Principal Executive Offices:

7210 Frederick-Banting, Suite 100 St-Laurent, Québec, Canada H4S 2A1

Item 2(a). Name of Person Filing

Item 2(b). Address of Principal Business Office or, if None, Residence

Item 2(c). Citizenship

Biotechnology Value Fund, L.P. ("BVF")

44 Montgomery St., 40th Floor San Francisco, California 94104

Citizenship: Delaware

BVF I GP LLC ("BVF GP")

44 Montgomery St., 40th Floor San Francisco, California 94104

Citizenship: Delaware

Biotechnology Value Fund II, L.P. ("BVF2")

44 Montgomery St., 40th Floor San Francisco, California 94104

Citizenship: Delaware

BVF II GP LLC ("BVF2 GP")

44 Montgomery St., 40th Floor San Francisco, California 94104

Citizenship: Delaware

Biotechnology Value Trading Fund OS LP ("Trading Fund OS")

PO Box 309 Ugland House Grand Cayman, KY1-1104

Cayman Islands

Citizenship: Cayman Islands

BVF Partners OS Ltd. ("Partners OS")

PO Box 309 Ugland House

Grand Cayman, KY1-1104

Cayman Islands

Citizenship: Cayman Islands

BVF GP Holdings LLC ("BVF GPH")

44 Montgomery St., 40th Floor

San Francisco, California 94104

Citizenship: Delaware

BVF Partners L.P. ("Partners")

44 Montgomery St., 40th Floor

San Francisco, California 94104

Citizenship: Delaware

BVF Inc. 44 Montgomery St., 40th Floor San Francisco, California 94104 Citizenship: Delaware Mark N. Lampert ("Mr. Lampert") 44 Montgomery St., 40th Floor San Francisco, California 94104 Citizenship: United States Each of the foregoing is referred to as a "Reporting Person" and collectively as the "Reporting Persons." Title of Class of Securities: CUSIP Number: 760273102

Item 2(d).

Common Shares, no par value (the "Shares").

Item 2(e).

If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a: Item 3.

	/x/	Not applicable.
(a)	//	Broker or dealer registered under Section 15 of the Exchange Act.
(b)	//	Bank as defined in Section 3(a)(6) of the Exchange Act.
(c)	//	Insurance company as defined in Section 3(a)(19) of the Exchange Act.
(d)	//	Investment company registered under Section 8 of the Investment Company Act.
(e)	//	An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).
(f)	//	An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F).
(g)	//	A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G).
(h)	//	A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.
(i)	//	A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act.
(j)	//	Group, in accordance with Rule 13d-1(b)(1)(ii)(J).
(k)	//	Group, in accordance with Rule $240.13d-1(b)(1)(ii)(K)$. If filing as a non-U.S. institution in accordance with Rule $240.13d-1(b)(1)(ii)(J)$, please specify the type of institution:
		13

Item 4. Ownership

(a) Amount beneficially owned:

As of the close of business on June 6, 2022, (i) BVF beneficially owned 4,368,757 Shares, (ii) BVF2 beneficially owned 3,231,579 Shares and (iii) Trading Fund OS beneficially owned 406,436 Shares.

BVF GP, as the general partner of BVF, may be deemed to beneficially own the 4,368,757 Shares beneficially owned by BVF.

BVF2 GP, as the general partner of BVF2, may be deemed to beneficially own the 3,231,579 Shares beneficially owned by BVF2.

Partners OS, as the general partner of Trading Fund OS, may be deemed to beneficially own the 406,436 Shares beneficially owned by Trading Fund OS.

BVF GPH, as the sole member of each of BVF GP and BVF2 GP, may be deemed to beneficially own the 7,600,336 Shares beneficially owned in the aggregate by BVF and BVF2.

Partners, as the investment manager of BVF, BVF2 and Trading Fund OS, and the sole member of Partners OS, may be deemed to beneficially own the 8,141,988 Shares beneficially owned in the aggregate by BVF, BVF2 and Trading Fund OS and held in a certain Partners managed account (the "Partners Managed Account"), including 135,216 Shares held in the Partners Managed Account.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 8,141,988 Shares beneficially owned by Partners.

Mr. Lampert, as a director and officer of BVF Inc., may be deemed to beneficially own the 8,141,988 Shares beneficially owned by BVF Inc.

The foregoing should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of any Shares owned by another Reporting Person. BVF GP disclaims beneficial ownership of the Shares beneficially owned by BVF. BVF2 GP disclaims beneficial ownership of the Shares beneficially owned by BVF2. Partners OS disclaims beneficial ownership of the Shares beneficially owned by Trading Fund OS. BVF GPH disclaims beneficial ownership of the Shares beneficially owned by BVF and BVF2. Each of Partners, BVF Inc. and Mr. Lampert disclaims beneficial ownership of the Shares beneficially owned by BVF, BVF2 and Trading Fund OS and held in the Partners Managed Account, and the filing of this statement shall not be construed as an admission that any such person or entity is the beneficial owner of any such securities.

(b) Percent of class:

The following percentages are based on 41,894,235 Shares outstanding as of May 5, 2022, as disclosed in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on May 5, 2022.

As of the close of business on June 6, 2022, (i) BVF beneficially owned approximately 10.4% of the outstanding Shares, (ii) BVF2 beneficially owned approximately 7.7% of the outstanding Shares, (iii) Trading Fund OS beneficially owned less than 1% of the outstanding Shares, (iv) BVF GP may be deemed to beneficially own approximately 10.4% of the outstanding Shares, (v) BVF2 GP may be deemed to beneficially own approximately 7.7% of the outstanding Shares, (vi) Partners OS may be deemed to beneficially own less than 1% of the outstanding Shares, (vii) BVF GPH may be deemed to beneficially own approximately 18.1% of the outstanding Shares, and (viii) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 19.4% of the outstanding Shares (less than 1% of the outstanding Shares are held in the Partners Managed Account).

- (c) Number of shares as to which such person has:
- (i) Sole power to vote or to direct the vote

See Cover Pages Items 5-9.

(ii) Shared power to vote or to direct the vote

See Cover Pages Items 5-9.

(iii) Sole power to dispose or to direct the disposition of

See Cover Pages Items 5-9.

(iv) Shared power to dispose or to direct the disposition of

See Cover Pages Items 5-9.

Item 5. Ownership of Five Percent or Less of a Class.

Not Applicable.

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

BVF GP, BVF GPH, Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the Shares beneficially owned by BVF. BVF2 GP, BVF GPH, Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the Shares beneficially owned by BVF2. Partners, BVF Inc., and Mr. Lampert share voting and dispositive power over the Shares beneficially owned by Trading Fund OS and held in the Partners Managed Account.

Item 7. Identification and Classification of the Subsidiary That Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

Not Applicable.

Item 8. Identification and Classification of Members of the Group.

See Exhibit 99.1 to the Schedule 13G filed with the Securities and Exchange Commission on June 29, 2020.

Item 9. Notice of Dissolution of Group.

Not Applicable.

Item 10. Certifications.

By signing below each of the undersigned certifies that, to the best of its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

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

Dated: June 6, 2022

BIOTECHNOLOGY VALUE FUND, L.P.

By: BVF I GP LLC., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert Chief Executive Officer

BVF I GP LLC

By: /s/ Mark N. Lampert

Mark N. Lampert

Chief Executive Officer

BIOTECHNOLOGY VALUE FUND II, L.P.

By: BVF II GP LLC, its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert

Chief Executive Officer

BVF II GP LLC

By: /s/ Mark N. Lampert

Mark N. Lampert

Chief Executive Officer

BVF PARTNERS OS LTD.

By: BVF Partners L.P., its sole member

By: BVF Inc., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert

President

BIOTECHNOLOGY VALUE TRADING FUND OS LP

By: BVF Partners L.P., its investment manager

By: BVF Inc., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert

President

BVF GP HOLDINGS LLC

By: /s/ Mark N. Lampert

Mark N. Lampert

Chief Executive Officer

BVF PARTNERS L.P.

By: BVF Inc., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert

President

BVF INC.

By: /s/ Mark N. Lampert

Mark N. Lampert

President

/s/ Mark N. Lampert

MARK N. LAMPERT

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