## 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. 1)<sup>1</sup>

Palvella Therapeutics, Inc.	
(Name of Issuer)	
Common Stock, \$0.001 par value per share	
(Title of Class of Securities)	
697947109	
(CUSIP Number)	
December 13, 2024	
(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 subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided 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 REPOR	TING PERSON		
		Biotechnology Value Fund, L.P.  CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  (a) ☑		
2	CHECK THE APPI	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		
			(b) □	
3	SEC USE ONLY			
3	SEC OSE ONE!			
4	CITIZENSHIP OR	PLACE OF ORGANIZATION		
	Delaware			
NUMBER OF	Delaware 5	SOLE VOTING POWER		
SHARES		SOLL VOTINGTOWER		
BENEFICIALLY		0		
OWNED BY	6	SHARED VOTING POWER		
EACH REPORTING		843,478 (1)		
PERSON WITH	7	SOLE DISPOSITIVE POWER		
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		0		
	8	SHARED DISPOSITIVE POWER		
		843,478 (1)		
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	843,478 (1)			
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)		
	7.2% (1)			
12	TYPE OF REPORT	ING PERSON		
	PN			

(1) Includes 471,562 Shares (as defined in Item 2) underlying certain Pre-Funded Warrants (as defined in Item 4).

(a) 🗵
(b) □

	NAME OF PEROM	OFFINA PERAGNA				
1	NAME OF REPOR	NAME OF REPORTING PERSON				
	Biotechnology Value Fund II, L.P.					
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		282,223				
PERSON WITH	7	SOLE DISPOSITIVE POWER				
		0				
	8	SHARED DISPOSITIVE POWER				
		282,223				
9	AGGREGATE AM	IOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	282,223					
10		THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
11	PERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)				
	2.5%					
12	TYPE OF REPOR	TING PERSON				
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	1					

1	NAME OF REPOR	RTING PERSON			
	BVF II GP LLC				
2	CHECK THE APP	ROPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵		
			(b) □		
3	SEC USE ONLY				
4	CITIZENCHID OD	PLACE OF ORGANIZATION			
4	CITIZENSHIP OR	PLACE OF ORGANIZATION			
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NUMBER OF	5	SOLE VOTING POWER			
SHARES					
BENEFICIALLY		0			
OWNED BY	6	SHARED VOTING POWER			
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REPORTING		282,223			
PERSON WITH	7	SOLE DISPOSITIVE POWER			
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	8	SHARED DISPOSITIVE POWER			
		282,223			
9	AGGREGATE AM	IOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
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	282,223				
10	CHECK BOX IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
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12	2.5% TYPE OF REPOR	FINC DEDCON			
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	NAME OF PEROP	TRY O PER COV			
1	NAME OF REPOR	ATING PERSON			
	Biotechnology Value Trading Fund OS LP  CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  (a) ⊠				
2	CHECK THE APP	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP			
			(b) □		
3	SEC USE ONLY				
4	CITIZENSHIP OR	PLACE OF ORGANIZATION			
	Cayman Islan	nds			
NUMBER OF	5	SOLE VOTING POWER			
SHARES					
BENEFICIALLY		0			
OWNED BY	6	SHARED VOTING POWER			
EACH					
REPORTING					
PERSON WITH	7	SOLE DISPOSITIVE POWER			
		0			
	8	SHARED DISPOSITIVE POWER			
		38,961			
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	38,961				
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)			
	Less than 1%				
12	TYPE OF REPORT	TING PERSON			
	PN				

	NAME OF PEROP	ETDYG PERGOV			
1	NAME OF REPOR	RTING PERSON			
	BVF Partners OS Ltd.  CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  (a)				
2	CHECK THE APP	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP			
3	SEC USE ONLY				
4	CITIZENSHIP OR	PLACE OF ORGANIZATION			
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NUMBER OF	5	SOLE VOTING POWER			
SHARES					
BENEFICIALLY		0			
OWNED BY	6	SHARED VOTING POWER			
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REPORTING		38,961			
PERSON WITH	7	SOLE DISPOSITIVE POWER			
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9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
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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)			
	Less than 1%				
12	TYPE OF REPORT	TING PERSON			
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1	NAME OF REPORT	ING PERSON		
	BVF GP Holdi			
2	CHECK THE APPRO	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) ⊠		
			(b) □	
3	SEC USE ONLY			
3	SEC USE ONLY			
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NUMBER OF SHARES	5	SOLE VOTING POWER		
BENEFICIALLY		0		
OWNED BY	6	SHARED VOTING POWER		
EACH				
REPORTING		1,125,701 (1)		
PERSON WITH	7	SOLE DISPOSITIVE POWER		
		0		
	8	SHARED DISPOSITIVE POWER		
		1,125,701 (1)		
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12	9.6% (1)	NC DED COM		
12	TYPE OF REPORTI	NO PERSON		
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(1	) Includes 471,562 Shares	underlying	certain I	Pre-Funded	Warrants

1	NAME OF REPORT	ING PERSON		
	BVF Partners I			
2	CHECK THE APPRO	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  (a)   ☐		
			(b) □	
3	SEC USE ONLY			
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4	CITIZENSHIP OR P	LACE OF ORGANIZATION		
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NUMBER OF	Delaware 5	SOLE VOTING POWER		
SHARES	3	SOLE VOTINGTOWER		
BENEFICIALLY		0		
OWNED BY	6	SHARED VOTING POWER		
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10	CHECK BOX IF TH	E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
11	PERCENT OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)		
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	9.99% (1)			
12	TYPE OF REPORTI	NG PERSON		
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	PN, IA			

1	NAME OF REPORT	ING PERSON	
	BVF Inc.		
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-		THE BOTT IT MEMBER OF IT GROOT	(b) $\Box$
	and then on the		
3	SEC USE ONLY		
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SHARES			
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REPORTING		1,168,117 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
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	8	SHARED DISPOSITIVE POWER	
		1,168,117 (1)	
9	AGGREGATE AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
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10	1,168,117 (1) CHECK BOX IF TH	E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
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11	PERCENT OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)	
	9.99% (1)		
12	TYPE OF REPORTI	NG PERSON	
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1	NAME OF REPORT	ING PERSON	
	Mark N. Lamp	ert	
2		OPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSHIP OR P	LACE OF ORGANIZATION	
	United States		
NUMBER OF SHARES	5	SOLE VOTING POWER	
BENEFICIALLY		0	
OWNED BY EACH	6	SHARED VOTING POWER	
REPORTING		1,168,117 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
0	A CORECATE AND	1,168,117 (1) UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
9	AGGREGATE AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10	1,168,117 (1)	E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	П
10	CHECK BOX IF TH	E AUGREGATE AMOUNT IN ROW (9) EACLUDES CERTAIN SHARES	
11	PERCENT OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)	
11		SO KLI KLOLNILO DI AMOONI IN KOW (7)	
12	9.99% (1) TYPE OF REPORTI	NG PERSON	
12			
	IN		

#### Item 1(a). Name of Issuer:

Palvella Therapeutics, Inc., a Nevada corporation (the "Issuer").

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

125 Strafford Ave, Suite 360 Wayne, Pennsylvania 19087

## 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."

## Item 2(d). Title of Class of Securities:

Common Stock, \$0.001 par value per share (the "Shares").

## Item 2(e). CUSIP Number:

697947109

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

	/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)	//	A non-U.S. institution, in accordance with Rule 13d-1(b)(1)(ii)(J).
(k)	//	Group, in accordance with Rule 13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J), please specify the type of institution:

#### Item 4. Ownership

#### (a) Amount beneficially owned:

As of the close of business on the date hereof, the Reporting Persons and one of the Partners managed accounts (the "Partners Managed Accounts") held certain Pre-Funded Warrants (the "Pre-Funded Warrants") exercisable for an aggregate of 1,071,695 Shares. The Pre-Funded Warrants are exercisable at any time at an exercise price of \$0.001 per Share and do not expire. A holder of Pre-Funded Warrants may not exercise such Pre-Funded Warrants if the holder, together with its affiliates, would beneficially own more than 9.99% of the number of Shares outstanding immediately after giving effect to such exercise (the "Pre-Funded Warrants Blocker"). As of the close of business on the date hereof, the Pre-Funded Warrants Blocker limits the exercise of the Pre-Funded Warrants held by the Reporting Persons and one of the Partners Managed Accounts to 471,562 Shares underlying the Pre-Funded Warrants held by them.

As of the close of business on the date hereof, the Reporting Persons hold an aggregate of 85 shares of Series A Convertible Preferred Stock (the "Series A Preferred Stock"), convertible into an aggregate of 1,133 Shares. Each share of the Series A Preferred Stock is convertible into 13.34 Shares. The Series A Preferred Stock may not be converted if, after such conversion, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), more than 9.99% of the number of Shares then issued and outstanding (the "Conversion A Limitation"). As of the close of business on the date hereof, the Conversion A Limitation prohibits the conversion of all of the Series A Preferred Stock held by the Reporting Persons.

As of the close of business on the date hereof, the Reporting Persons hold an aggregate of 4,026 shares of Series B Convertible Preferred Stock (the "Series B Preferred Stock"), convertible into an aggregate of 53,706 Shares. Each share of the Series B Preferred Stock is convertible into 13.34 Shares. The Series B Preferred Stock may not be converted if, after such conversion, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Exchange Act, more than 9.99% of the number of Shares then issued and outstanding (the "Conversion B Limitation"). As of the close of business on the date hereof, the Conversion B Limitation prohibits the conversion of all of the Series B Preferred Stock held by the Reporting Persons.

As of the close of business on the date hereof, the Reporting Persons hold an aggregate of 3,506 shares of Series C Convertible Preferred Stock (the "Series C Preferred Stock"), convertible into an aggregate of 46,770 Shares. Each share of the Series C Preferred Stock is convertible into 13.34 Shares. The Series C Preferred Stock may not be converted if, after such conversion, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Exchange Act, more than 9.99% of the number of Shares then issued and outstanding (the "Conversion C Limitation"). As of the close of business on the date hereof, the Conversion C Limitation prohibits the conversion of all of the Series C Preferred Stock held by the Reporting Persons.

As of the close of business on the date hereof, the Reporting Persons hold an aggregate of 3,000 shares of Series D Convertible Preferred Stock (the "Series D Preferred Stock"), convertible into an aggregate of 40,020 Shares. Each share of the Series D Preferred Stock is convertible into 13.34 Shares. The Series D Preferred Stock may not be converted if, after such conversion, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Exchange Act, more than 9.99% of the number of Shares then issued and outstanding (the "Conversion D Limitation"). As of the close of business on the date hereof, the Conversion D Limitation prohibits the conversion of all of the Series D Preferred Stock held by the Reporting Persons.

The Reporting Persons and one of the Partners Managed Accounts hold an aggregate of 5,000 shares of Series E Convertible Preferred Stock (the "Series E Preferred Stock"), convertible into an aggregate of 66,700 Shares. Each share of the Series E Preferred Stock is convertible into 13.34 Shares. The Series E Preferred Stock may not be converted if, after such conversion, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Exchange Act, more than 9.99% of the number of Shares then issued and outstanding (the "Conversion E Limitation"). As of the close of business on the date hereof, the Conversion E Limitation prohibits the conversion of all of the Series E Preferred Stock held by the Reporting Persons and the Partners Managed Accounts.

As of the close of business on the date hereof, (i) BVF beneficially owned 843,478 Shares, including 471,562 Shares underlying certain Pre-Funded Warrants held by it and excluding (a) 27,787 Shares issuable upon the conversion of the Series B Preferred Stock held by it, (b) 23,959 Shares issuable upon the conversion of the Series C Preferred Stock held by it, (c) 23,465 Shares issuable upon the conversion of the Series B Preferred Stock held by it, and (e) 89,932 Shares underlying certain Pre-Funded Warrants held by it, (ii) BVF2 beneficially owned 282,223 Shares, excluding (a) 22,131 Shares issuable upon the conversion of the Series B Preferred Stock held by it, (b) 19,276 Shares issuable upon the conversion of the Series C Preferred Stock held by it, (c) 14,381 Shares issuable upon the conversion of the Series D Preferred Stock held by it, (d) 24,906 Shares issuable upon the conversion of the Series E Preferred Stock held by it, and (e) 445,782 Shares underlying the Pre-Funded Warrants held by it, and (iii) Trading Fund OS beneficially owned 38,961 Shares, excluding (a) 1,133 Shares issuable upon the conversion of the Series A Preferred Stock held by it, (b) 3,788 Shares issuable upon the conversion of the Series B Preferred Stock held by it, (c) 3,535 Shares issuable upon the conversion of the Series C Preferred Stock held by it, (d) 2,174 Shares issuable upon the conversion of the Series D Preferred Stock held by it, (e) 2,148 Shares issuable upon the conversion of the Series E Preferred Stock held by it, and (e) 44,770 Shares issuable upon the exercise of the Pre-Funded Warrants held by it.

BVF GP, as the general partner of BVF, may be deemed to beneficially own the 843,478 Shares beneficially owned by BVF.

BVF2 GP, as the general partner of BVF2, may be deemed to beneficially own the 282,223 Shares beneficially owned by BVF2.

Partners OS, as the general partner of Trading Fund OS, may be deemed to beneficially own the 38,961 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 1,125,701 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 1,168,117 Shares beneficially owned in the aggregate by BVF, BVF2 and Trading Fund OS and held in the Partners Managed Accounts, including 3,455 Shares held in the Partners Managed Accounts, and excluding (a) 4,028 Shares issuable upon the conversion of the Series E Preferred Stock held in one of the Partners Managed Accounts, and (b) 19,649 Shares underlying the Pre-Funded Warrants held in one of the Partners Managed Accounts.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 1,168,117 Shares beneficially owned by Partners.

Mr. Lampert, as a director and officer of BVF Inc., may be deemed to beneficially own the 1,168,117 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 Accounts, 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 upon a denominator that is the sum of: (i) 11,221,307 Shares outstanding as of December 13, 2024, which is the total number of Shares outstanding as reported in the Issuer's Current Report on Form 8-K filed with the Securities and Exchange Commission on December 16, 2024, and (ii) 471,562 Shares underlying the Pre-Funded Warrants held by the Reporting Persons, as applicable.

As of the close of business on the date hereof, (i) BVF beneficially owned approximately 7.2% of the outstanding Shares, (ii) BVF2 beneficially owned approximately 2.5% 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 7.2% of the outstanding Shares, (v) BVF2 GP may be deemed to beneficially own approximately 2.5% 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 9.6% of the outstanding Shares, and (viii) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 9.99% of the outstanding Shares (less than 1% of the outstanding Shares are held in the Partners Managed Accounts).

- (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. 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 Accounts.

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 by the Reporting Persons with the Securities and Exchange Commission on May 17, 2024.

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: December 17, 2024 BIOTECHNOLOGY VALUE FUND, L.P. BIOTECHNOLOGY VALUE TRADING FUND OS LP BVF I GP LLC, its general partner By: BVF Partners L.P., its investment manager BVF Inc., its general partner By: /s/ Mark N. Lampert Mark N. Lampert /s/ Mark N. Lampert Chief Executive Officer Mark N. Lampert President BVF I GP LLC BVF GP HOLDINGS LLC /s/ Mark N. Lampert By: Mark N. Lampert /s/ Mark N. Lampert Chief Executive Officer Mark N. Lampert Chief Executive Officer BIOTECHNOLOGY VALUE FUND II, L.P. BVF PARTNERS L.P. BVF II GP LLC, its general partner By: BVF Inc., its general partner By: /s/ Mark N. Lampert Mark N. Lampert /s/ Mark N. Lampert Chief Executive Officer Mark N. Lampert President BVF II GP LLC BVF INC. By: /s/ Mark N. Lampert By: /s/ Mark N. Lampert Mark N. Lampert Chief Executive Officer Mark N. Lampert President BVF PARTNERS OS LTD. /s/ Mark N. Lampert BVF Partners L.P., its sole member MARK N. LAMPERT

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BVF Inc., its general partner

By: /s/ Mark N. Lampert Mark N. Lampert

President