SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934

(Amendment No. 2)*

CAMP4 THERAPEUTICS CORPORATION

(Name of Issuer)

Common Stock

(Title of Class of Securities)

(CUSIP Number)

5AM Venture Management, LLC
Attn: Lauren Daniel, CCO, 4 Embarcadero Center, Suite 3110
San Francisco, CA, 94111
(415) 993-8565

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

08/03/2026

(Date of Event Which Requires Filing of This Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box. ☐

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).

SCHEDULE 13D

CUSIP No.

1	Name of reporting person 5AM Ventures VI, L.P.
2	Check the appropriate box if a member of a Group (See Instructions)

2	☐ (a) ☑ (b)
3	SEC use only
4	Source of funds (See Instructions) WC
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e) ☐
6	Citizenship or place of organization DELAWARE

Number of Shares Beneficially Owned by Each Reporting Person With:	7	Sole Voting Power 0.00
	8	Shared Voting Power 2,625,145.00
	9	Sole Dispositive Power 0.00
	10	Shared Dispositive Power 2,625,145.00

11	Aggregate amount beneficially owned by each reporting person 2,625,145.00
12	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions) ☐
13	Percent of class represented by amount in Row (11) 4.2 %
14	Type of Reporting Person (See Instructions) PN

SCHEDULE 13D

CUSIP No.

1	Name of reporting person 5AM Partners VI, LLC
2	Check the appropriate box if a member of a Group (See Instructions) ☐ (a) ☑ (b)
3	SEC use only
4	Source of funds (See Instructions) AF
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e) ☐
6	Citizenship or place of organization DELAWARE

Number of	7	Sole Voting Power

Shares Beneficially Owned by Each Reporting Person With:		0.00
	8	Shared Voting Power 2,625,145.00
	9	Sole Dispositive Power 0.00
	10	Shared Dispositive Power 2,625,145.00

11	Aggregate amount beneficially owned by each reporting person 2,625,145.00
12	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions) ☐
13	Percent of class represented by amount in Row (11) 4.2 %
14	Type of Reporting Person (See Instructions) OO

SCHEDULE 13D

CUSIP No.

1	Name of reporting person 5AM Ventures VII, L.P.
2	Check the appropriate box if a member of a Group (See Instructions) ☐ (a) ☑ (b)
3	SEC use only
4	Source of funds (See Instructions) WC
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e) ☐
6	Citizenship or place of organization DELAWARE

Number of Shares Beneficially Owned by Each Reporting Person With:	7	Sole Voting Power 0.00
	8	Shared Voting Power 3,376,519.00
	9	Sole Dispositive Power 0.00
	10	Shared Dispositive Power 3,376,519.00

11	Aggregate amount beneficially owned by each reporting person

	3,376,519.00
12	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions) ☐
13	Percent of class represented by amount in Row (11) 5.3 %
14	Type of Reporting Person (See Instructions) PN

SCHEDULE 13D

CUSIP No.

1	Name of reporting person 5AM Partners VII, LLC	
2	Check the appropriate box if a member of a Group (See Instructions) ☐ (a) ☑ (b)	
3	SEC use only	
4	Source of funds (See Instructions) AF	
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e) ☐	
6	Citizenship or place of organization DELAWARE	
Number of Shares Beneficially Owned by Each Reporting Person With:	7	Sole Voting Power 0.00
	8	Shared Voting Power 3,376,519.00
	9	Sole Dispositive Power 0.00
	10	Shared Dispositive Power 3,376,519.00
11	Aggregate amount beneficially owned by each reporting person 3,376,519.00	
12	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions) ☐	
13	Percent of class represented by amount in Row (11) 5.3 %	
14	Type of Reporting Person (See Instructions) OO	

SCHEDULE 13D

CUSIP No.

1	Name of reporting person 5AM Opportunities II, L.P.		
2	Check the appropriate box if a member of a Group (See Instructions) ☐ (a) ☑ (b)		
3	SEC use only		
4	Source of funds (See Instructions) WC		
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e) ☐		
6	Citizenship or place of organization DELAWARE		
Number of Shares Beneficially Owned by Each Reporting Person With:	7	Sole Voting Power 0.00	
	8	Shared Voting Power 302,770.00	
	9	Sole Dispositive Power 0.00	
	10	Shared Dispositive Power 302,770.00	
11	Aggregate amount beneficially owned by each reporting person 302,770.00		
12	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions) ☐		
13	Percent of class represented by amount in Row (11) 0.5 %		
14	Type of Reporting Person (See Instructions) PN		

SCHEDULE 13D

CUSIP No.

1	Name of reporting person 5AM Opportunities II (GP), LLC
2	Check the appropriate box if a member of a Group (See Instructions) ☐ (a) ☑ (b)

3	SEC use only		
4	Source of funds (See Instructions) AF		
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e) ☐		
6	Citizenship or place of organization DELAWARE		
Number of Shares Beneficially Owned by Each Reporting Person With:	7	Sole Voting Power 0.00	
	8	Shared Voting Power 302,770.00	
	9	Sole Dispositive Power 0.00	
	10	Shared Dispositive Power 302,770.00	
11	Aggregate amount beneficially owned by each reporting person 302,770.00		
12	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions) ☐		
13	Percent of class represented by amount in Row (11) 0.5 %		
14	Type of Reporting Person (See Instructions) OO		

SCHEDULE 13D

CUSIP No.

1	Name of reporting person Andrew J. Schwab		
2	Check the appropriate box if a member of a Group (See Instructions) ☐ (a) ☑ (b)		
3	SEC use only		
4	Source of funds (See Instructions) AF		
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e) ☐		
6	Citizenship or place of organization UNITED STATES		
Number of Shares Beneficially	7	Sole Voting Power 9,000.00	

Owned by Each Reporting Person With:	8	Shared Voting Power 6,304,434.00
	9	Sole Dispositive Power 9,000.00
	10	Shared Dispositive Power 6,304,434.00

11	Aggregate amount beneficially owned by each reporting person 6,313,434.00
12	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions) ☐
13	Percent of class represented by amount in Row (11) 9.9 %
14	Type of Reporting Person (See Instructions) IN

SCHEDULE 13D

CUSIP No.

1	Name of reporting person Kush Parmar		
2	Check the appropriate box if a member of a Group (See Instructions) ☐ (a) ☑ (b)		
3	SEC use only		
4	Source of funds (See Instructions) AF		
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e) ☐		
6	Citizenship or place of organization DELAWARE		
Number of Shares Beneficially Owned by Each Reporting Person With:	7	Sole Voting Power 0.00	
	8	Shared Voting Power 6,304,434.00	
	9	Sole Dispositive Power 0.00	
	10	Shared Dispositive Power 6,304,434.00	
11	Aggregate amount beneficially owned by each reporting person 6,304,434.00		
12	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)		

☐

13	Percent of class represented by amount in Row (11) 9.9 %
14	Type of Reporting Person (See Instructions) IN

SCHEDULE 13D

Item 1.	Security and Issuer
(a)	Title of Class of Securities: Common Stock
(b)	Name of Issuer: CAMP4 THERAPEUTICS CORPORATION
(c)	Address of Issuer's Principal Executive Offices: One Kendall Square, Building 1400 West, 3rd Floor, Cambridge, MASSACHUSETTS , 02139.
Item 1 Comment:	This Amendment No. 2 (this "Amendment No. 2" or this "Schedule 13D/A") amends and supplements the statement on Schedule 13D originally filed with the Securities and Exchange Commission (the "SEC") on October 22, 2024, and amended on September 11, 2025 (as amended, the "Statement") by the Reporting Persons. Unless otherwise defined herein, capitalized terms used in this Amendment No. 2 shall have the meanings ascribed to them in the Statement. Unless amended or supplemented below, the information in the Statement remains unchanged.
Item 2.	Identity and Background
(a)	This Schedule 13D/A is filed by 5AM Ventures VI, L.P. ("Ventures VI"), 5AM Partners VI, LLC ("Partners VI"), 5AM Ventures VII, L.P. ("Ventures VII"), 5AM Partners VII, LLC ("Partners VII"), 5AM Opportunities II, L.P. ("Opportunities II"), 5AM Opportunities II (GP), LLC ("Opportunities II GP"), Andrew J. Schwab ("Schwab") and Dr. Kush Parmar ("Parmar"). The foregoing entities and individuals are collectively referred to herein as the "Reporting Persons." The agreement among the Reporting Persons to file this Schedule 13D/A jointly in accordance with Rule 13d-1(k) of the Act is attached hereto as Exhibit 99.1.
(b)	The principal business office of the Reporting Persons is 4 Embarcadero Center, Suite 3110, San Francisco, CA 94111.
(c)	The principal business of the Reporting Persons is venture capital investments. Each of the individuals serves as a managing member of each of Partners VI, which is the general partner of Ventures VI, Partners VII, which is the general partner of Ventures VII, and Opportunities II GP, which is the general partner of Opportunities II.
(d)	During the last five years, none of the Reporting Persons has been convicted in a criminal proceeding (excluding traffic violations or similar misdemeanors).
(e)	During the last five years, none of the Reporting Persons was a party to a civil proceeding of a judicial of administrative body of competent jurisdiction or were subject to a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, federal or state securities laws or finding any violation with respect to such laws.
(f)	Each of Ventures VI, Partners VI, Ventures VII, Partners VII, Opportunities II and Opportunities II GP are organized in the state of Delaware and each of the individuals is a citizen of the United States.
Item 3.	Source and Amount of Funds or Other Consideration
	Item 3 of the Statement is hereby amended and supplemented as follows: At the Second Closing, which occurred on August 3, 2026, the Issuer issued and sold 10,756,498 Shares at $1.53 per share and 21,925,368 Pre-Funded Warrants at $1.5299 per Pre-Funded Warrant. In addition, the Issuer issued and sold to certain members of management and the Issuer's co-founders, an additional 39,306 Shares at a purchase price of $1.65 per share. In the Second Closing, Ventures VII purchased 3,179,558 Pre-Funded Warrants for a total purchase price of $4.9 million, which was funded by capital contributions from the general and limited partners of Ventures VII.
Item 5.	Interest in Securities of the Issuer
(a)	Rows 11 and 13 of each Reporting Person's cover page to this Schedule 13D/A set forth the aggregate number of shares of common stock and percentages of the shares of common stock beneficially owned by such Reporting Person and are incorporated by reference. The percentage set forth in each row 13 is based upon 62,753,200 shares of common stock outstanding at the completion of the Second Closing, as reported by the Issuer to the Reporting Persons, and giving effect to Pre-Funded Warrants and stock options, to the extent exercisable within 60 days hereof, as applicable, as referenced herein. Parmar's and Schwab's beneficial ownership percentages are 9.98% and 9.99%,

respectively. Due to field limitations of the EDGAR filing system, the percentages listed in Row 13 of each of the cover pages for Parmar and Schwab have been rounded down to 9.9%. The Reporting Persons' ownership of the Issuer's securities consists of (i) 2,625,145 shares of common stock directly held by Ventures VI; (ii) 2,941,176 shares of common stock and Pre-Funded Warrants exercisable for up to 3,179,558 shares of common stock directly held by Ventures VII; (iii) 302,770 shares of common stock directly held by Opportunities II; and (iv) 9,000 vested stock options (right to buy) held by Schwab. The Pre-Funded Warrants contain a provision (the "Beneficial Ownership Blocker"), which precludes the exercise of the Pre-Funded Warrants to the extent that, following exercise, Ventures VII, together with its affiliates and other attribution parties, would own more than 9.99% of the common stock outstanding. Partners VI is the sole general partner of Ventures VI, Partners VII is the sole general partner of Ventures VII and Opportunities II GP is the sole general partner of Opportunities II. Schwab and Parmar are managing members of Partners VI, Partners VII and Opportunities II GP and share voting and dispositive power over, and may be deemed to beneficially own, the shares held by Ventures VI, Ventures VII and Opportunities II.

(b) Rows 7 through 10 of each Reporting Person's cover page to this Schedule 13D/A set forth the number of shares of common stock as to which such Reporting Person has the sole or shared power to vote or direct the vote and sole or shared power to dispose or to direct the disposition and are incorporated by reference.

(c) Except as set forth herein, none of the Reporting Persons has effected any transactions with respect to the securities of the Issuer during the past sixty days.

(d) No other person is known to have the right to receive or the power to direct the receipt of dividends from, or any proceeds from the sale of, the securities beneficially owned by any of the Reporting Persons.

(e) Not applicable.

Item 6. Contracts, Arrangements, Understandings or Relationships With Respect to Securities of the Issuer

Item 6 of the Statement is hereby amended and supplemented as follows: Pre-Funded Warrants Each Pre-Funded Warrant has an exercise price of $0.0001 per share of common stock, is immediately exercisable and does not expire. Under the terms of the Pre-Funded Warrants, the Issuer may not effect the exercise of any Pre-Funded Warrant, and Ventures VII will not be entitled to exercise any portion of any Pre-Funded Warrant, which, upon giving effect to such exercise, would cause Ventures VII, together with its Attribution Parties (as defined in the Pre-Funded Warrant), to own more than 9.99% of the number of shares of the common stock outstanding immediately after giving effect to such exercise, as such percentage ownership is determined in accordance with the terms of the Pre-Funded Warrants. The exercise price and the number of shares of common stock issuable upon exercise of each Pre-Funded Warrant are subject to appropriate adjustment in the event of certain stock dividends and distributions, stock splits, stock combinations, reclassifications or similar events affecting the common stock. In the event of certain fundamental transactions (as described in the Pre-Funded Warrants), a holder of Pre-Funded Warrants will be entitled to receive, upon exercise of the Pre-Funded Warrants, the kind and amount of securities, cash or property that such holder would have received had they exercised in full the Pre-Funded Warrants immediately prior to such fundamental transaction without regard to any limitations on exercise contained in the Pre Funded Warrants. References to and the description of the Pre-Funded Warrants set forth above in this Item 6 do not purport to be complete and are qualified in their entirety by reference to the full text of the Form of Pre-Funded Warrant, which is attached hereto as Exhibit 99.2 and incorporated by reference herein.

Item 7. Material to be Filed as Exhibits.

Exhibit 99.1 Joint Filing Agreement (incorporated by reference to Exhibit 99.1 to the Reporting Persons' Schedule 13D/A filed with the SEC on September 11, 2025). Exhibit 99.2 Form of pre-funded warrant (incorporated by reference to Exhibit 4.1 to the Issuer's Current Report on Form 8-K (File No. 001-42365), filed with the SEC on August 4, 2026).

SIGNATURE

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.

5AM Ventures VI, L.P.

Signature: /s/ Andrew J. Schwab
Name/Title: By 5AM Partners VI, LLC, its General Partner, By Andrew J. Schwab, Managing Member
Date: 08/05/2026

5AM Partners VI, LLC

Signature: /s/ Andrew J. Schwab
Name/Title: By Andrew J. Schwab, Managing Member
Date: 08/05/2026

5AM Ventures VII, L.P.

Signature: /s/ Andrew J. Schwab
Name/Title: By 5AM Partners VII, LLC, its General Partner,

By Andrew J. Schwab, Managing Member
Date: 08/05/2026

5AM Partners VII, LLC

Signature: /s/ Andrew J. Schwab
Name/Title: By Andrew J. Schwab, Managing Member
Date: 08/05/2026

5AM Opportunities II, L.P.

Signature: /s/ Andrew J. Schwab
Name/Title: By 5AM Opportunities II (GP), LLC, its General Partner, By Andrew J. Schwab, Managing Member
Date: 08/05/2026

5AM Opportunities II (GP), LLC

Signature: /s/ Andrew J. Schwab
Name/Title: By Andrew J. Schwab, Managing Member
Date: 08/05/2026

Andrew J. Schwab

Signature: /s/ Andrew J. Schwab
Name/Title: Andrew J. Schwab
Date: 08/05/2026

Kush Parmar

Signature: /s/ Kush Parmar
Name/Title: Kush Parmar
Date: 08/05/2026