

OMB APPROVAL	
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

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

1. Name and Address of Reporting Person* <u>Smith David V</u> (Last) (First) (Middle) <u>111 OYSTER POINT BOULEVARD</u> (Street) <u>SOUTH SAN FRANCISCO CA 94080</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>FIVE PRIME THERAPEUTICS, INC. [FPRX]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Executive Vice President & CFO</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>12/11/2020</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	12/11/2020		M		22,000 ⁽¹⁾	A	\$0.00	89,561	D	
Common Stock	12/11/2020		F		11,504	D	\$16.14	78,057	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	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Performance-Based Restricted Common Stock	(2)	12/11/2020		M		22,000 ⁽³⁾		(4)	(4)	Common Stock	22,000	\$0.00	0	D	

Explanation of Responses:

- Represents shares of performance-based restricted common stock granted to the reporting person on June 24, 2019. These shares vested on the date that the 30-calendar-day volume-weighted average closing price of a share of common stock of Five Prime Therapeutics, Inc. (the "Company") was greater than or equal to \$19.43.
- The shares subject to this grant vest upon achievement of certain performance conditions, as further described in the other footnotes to this report.
- Represents 50% of the shares subject to this award, which shares vested on the date that the 30-calendar-day volume-weighted average closing price of a share of common stock of the Company was greater than or equal to \$19.43.
- 50% of the shares subject to this award vested on the date that the 30-calendar-day volume-weighted average closing price of a share of common stock of the Company was greater than or equal to \$12.95, and the remaining 50% of the shares subject to this award vested on the date that the 30-calendar-day volume-weighted average closing price of a share of common stock of the Company was greater than or equal to \$19.43.

Remarks:

/s/ Francis Sarena, Attorney-in-fact 12/15/2020

** 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.