FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL										
OMB Number:	3235-0287									
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

					or	Sectio	n 30(h) of th	e Ínvest	ment	Company Ac	of 1940							
1. Name and Address of Reporting Person* Sullivan Eric						2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]									k all appli Direct	cable) or	ng Person(s) to Issu 10% Ow		ner
	(F JEBIRD B IEY STRE		(Middle)	08	3. Date of Earliest Transaction (Month/Day/Year) 08/03/2017								X	below) Prin	cipal Acco	Other (s below) ounting Officer		
(Street) CAMBRIDGE MA 02142						4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(S	State)	(Zip)																
		Tab	ole I - I	Non-Deriv	vativ	e Sec	uriti	es A	cquire	ed, C	Disposed	of, or E	Benefi	cially	Owne	d			
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 an			Benefic Owned		ties cially I Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	ct o	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
								Code V		Amount	Amount (A) or Price			Reported Transaction(s) (Instr. 3 and 4)				(1130.4)	
Common Stock			08/03/2	017)17					250	A	\$2	0.7	5	,924	D			
Common Stock 08			08/03/2)17				M		166	A	\$24	1.47	6	,090	D			
Common Stock			08/03/2	08/03/2017				S		416	D	\$92	\$92.35		,674	D			
Common Stock			08/04/2017				M		201	A	\$50	0.51	5	5,875					
Common Stock			08/04/2	08/04/2017				M		244	A	\$5	6.3	6,119		D			
Common Stock			08/04/2017				S		445	D	\$95.2	.128 ⁽¹⁾	5,674		D				
Common Stock														:	300	I		By pouse ⁽²⁾	
		-	Table						•	•	sposed of , converti	•		•	wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security		Execu if any			ransaction Code (Instr.		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		e Exerc tion D n/Day/		7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)		De Se (Ir	Price of erivative ecurity estr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Owne Form: Direct or Ind (I) (Ins		11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code V	v	(A)	(D)	Date Exerci	sable	Expiration Date	Title	Amo or Num of Shar	ber					
Stock			1	П		1	1	I	I		I	I					_ I	T	

Explanation of Responses:

\$20.7

\$24,47

\$50.51

\$56.3

1. The range in prices for the transaction reported on this line was \$95.10 to \$95.30. The average weighted price was \$95.2128. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.

(3)

(4)

(5)

(6)

250

166

201

244

Common

Stock

Common Stock

Common Stock

Common

Stock

250

166

201

244

\$0.00

\$0.00

\$0.00

\$0.00

750

854

5,868

8,558

D

D

D

D

12/02/2023

03/03/2024

03/01/2026

08/01/2026

2. Equity grants held by the reporting person's spouse, who is employed by the issuer

08/03/2017

08/03/2017

08/04/2017

08/04/2017

- 3. This option vests over a four-year period, at a rate of twenty-five percent (25%) on November 11, 2014 and in 36 equal monthly installments thereafter.
- 4. This option vests over a four-year period, at a rate of twenty-five percent (25%) on January 1, 2015 and in 36 equal monthly installments thereafter.

M

M

M

M

- 5. This option vests over a four-year period, at a rate of twenty-five percent (25%) on January 4, 2017, and in 36 equal monthly installments.
- 6. This option vests over a four-year period, at a rate of twenty-five percent (25%) on July 4, 2017 and in 36 equal monthly installments thereafter.

Remarks:

Options

(right to buy)

Stock Option (right to

buy) Stock Option (right to

buy) Stock Option

(right to

buy)

/s/ Jason F. Cole, Attorney-in-**Fact**

** Signature of Reporting Person

08/07/2017

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.