FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

OMB APPROVAL OMB Number: 3235-0287

Estimated average burde	en
hours per response:	0.5

1. Name and Addres <u>HIGH SUSA</u>	s of Reporting Person NNA GATTI	n*	2. Issuer Name and Ticker or Trading Symbol <u>bluebird bio</u> , <u>Inc.</u> [BLUE]	(Check	tionship of Reporting Perso all applicable) Director Officer (give title	n(s) to Issuer 10% Owner Other (specify
(Last) C/O BLUEBIRD 60 BINNEY STI	(First) (Middle) JEBIRD BIO, INC. EX STREET		3. Date of Earliest Transaction (Month/Day/Year) 12/06/2018	X	below) Chief Operating C	below) Officer
(Street) CAMBRIDGE (City)	MA (State)	02142 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	idual or Joint/Group Filing (Form filed by One Report Form filed by More than C Person	ing Person

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. Transa Code (8)		Disposed Of (D) (Instr. 3, 4 and 5)			Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Common Stock	12/06/2018		S ⁽¹⁾		475	D	\$104.1333 ⁽²⁾	15,135	D	
Common Stock	12/06/2018		S ⁽¹⁾		1,100	D	\$106.1123 ⁽³⁾	14,035	D	
Common Stock	12/06/2018		S ⁽¹⁾		300	D	\$106.7042 ⁽⁴⁾	13,735	D	

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

			(571	,	,		,				,						
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. Transa Code (8)		5. Nu of Deriv Secu Acqu (A) or Dispo of (D) (Instr and 5	ative rities ired osed . 3, 4	6. Date Exercisable and Expiration Date (Month/Day/Year)		Expiration Date An (Month/Day/Year) Se Un De Se		7. Title Amour Securi Underl Deriva Securi and 4)	nt of ties ying tive ty (Instr. 3	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	Amount or Number of Shares						

Explanation of Responses:

1. The sales reported in this Form 4 were effected pursuant to a 10b5-1 trading plan adopted by the reporting person on December 18, 2017.

2. The range in prices for the transaction reported on this line was \$104.01 to \$104.29. The average weighted price was \$104.1333. 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. The range in prices for the transaction reported on this line was \$105.50 to \$106.49. The average weighted price was \$106.1123. 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.

4. The range in prices for the transaction reported on this line was \$106.51 to \$107.42. The average weighted price was \$106.7042. 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.

Remarks:

<u>/s/ Jason F. Cole, Attorney-in-</u>	12/10/2018
<u>fact</u>	12/10/2010
** Signature of Reporting Person	Date

ure of Reporting Person

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.