

OMB APPROVAL

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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).

☒ Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

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

1. Name and Address of Reporting Person * <u>Morris Arlene</u> (Last) (First) (Middle) <u>C/O COGENT BIOSCIENCES, INC.</u> <u>180 THIRD AVENUE, 4TH FLOOR</u> (Street) <u>WALTHAM</u> <u>MA</u> <u>02451</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Cogent Biosciences, Inc. [COGT]</u> Foreign Trading Symbol 3. Date of Earliest Transaction (Month/Day/Year) <u>08/27/2026</u> 4. If Amendment, Date of Original Filed (Month/Day/Year)	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) ☒ Director 10% Owner Officer (give title below) Other (specify below) 6. Individual or Joint/Group Filing (Check Applicable Line) ☒ Form filed by One Reporting Person Form filed by More than One Reporting Person
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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	08/27/2026		M ⁽¹⁾		41,927	A	\$5.64	41,927	D	
Common Stock	08/27/2026		M ⁽¹⁾		3,583	A	\$2.52	45,510	D	
Common Stock	08/27/2026		S ⁽¹⁾		42,349	D	\$37.0925 ⁽²⁾	3,161	D	
Common Stock	08/27/2026		S ⁽¹⁾		3,161	D	\$37.5396 ⁽³⁾	0	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	Amount or Number of Shares				
Stock Option (Right to Buy)	\$5.64	08/27/2026		M ⁽¹⁾			41,927	(4)	06/04/2035	Common Stock	41,927	\$0	2,773	D	
Stock Option (Right to Buy)	\$2.52	08/27/2026		M ⁽¹⁾			3,583	(4)	06/09/2030	Common Stock	3,583	\$0	0	D	

Explanation of Responses:

1. Transactions effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on May 28, 2026.
2. The price reported represents the weighted average sale price per share. The shares were sold in multiple transactions at prices ranging from \$36.46 to \$37.45. Upon request by the staff of the U.S. Securities and Exchange Commission, the Issuer, or a security holder of the Issuer, the Reporting Person will provide full information regarding the number of shares sold at each separate price.
3. The price reported represents the weighted average sale price per share. The shares were sold in multiple transactions at prices ranging from \$37.46 to \$37.65. Upon request by the staff of the U.S. Securities and Exchange Commission, the Issuer, or a security holder of the Issuer, the Reporting Person will provide full information regarding the number of shares sold at each separate price.
4. These options are fully vested.

/s/ Evan D. Kearns, Attorney-in-Fact 08/31/2026

** 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.