

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>Sherman Matthew L</u> (Last) (First) (Middle) <u>C/O DECIPHERA PHARMACEUTICALS, INC.</u> <u>200 SMITH STREET</u> (Street) <u>WALTHAM MA 02451</u> (City) (State) (Zip)			2. Issuer Name and Ticker or Trading Symbol <u>Deciphera Pharmaceuticals, Inc. [DCPH]</u>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director _____ 10% Owner _____ Officer (give title below) _____ Other (specify below) _____ <input checked="" type="checkbox"/> <u>EVP & Chief Medical Officer</u>		
			3. Date of Earliest Transaction (Month/Day/Year) <u>12/15/2021</u>					
			4. If Amendment, Date of Original Filed (Month/Day/Year)			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting 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. 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			
<u>Common Stock</u>	<u>12/15/2021</u>		<u>A⁽¹⁾</u>		<u>11,100</u>	<u>A</u>	<u>\$0.00</u>	<u>57,274⁽²⁾</u>	<u>D</u>	

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
<u>Stock Option (Right to Buy)</u>	<u>\$9.23</u>	<u>12/15/2021</u>		<u>A</u>		<u>82,265</u>		<u>(3)</u>	<u>12/14/2031</u>	<u>Common Stock</u>	<u>82,265</u>	<u>\$0.00</u>	<u>82,265</u>	<u>D</u>	

Explanation of Responses:

- The reporting person was awarded 11,100 Restricted Stock Units ("RSUs") under the Issuer's 2017 Stock Option and Incentive Plan (the "2017 Plan"). Each RSU represents a contingent right to receive one share of the Issuer's Common Stock. The RSUs shall vest in two equal installments on June 15, 2022 and June 15, 2023, subject to continuous service with the Issuer or a Subsidiary (as defined in the 2017 Plan) through such dates. The RSUs may be settled only by delivering shares of the Issuer's Common Stock, and thus, the grant is being reported in Table 1 as allowed per SEC guidance.
- Includes 145 shares acquired under the Issuer's 2017 Employee Stock Purchase Plan on November 12, 2021.
- This stock option was issued pursuant to the 2017 Plan. The option shall vest in two equal installments on June 15, 2022 and June 15, 2023, subject to continuous service with the Issuer or a Subsidiary (as defined in the 2017 Plan) through each vesting date.

Remarks:

/s/ Jeffrey Held, Attorney-in-Fact 12/17/2021

** 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.