UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. __)

DECIPHERA PHARMACEUTICALS, INC.

	(Name of Issuer)
	Common Stock, \$0.01 par value
	(Title of Class of Securities)
	24344T101
	(CUSIP Number)
	April 29, 2022
	(Date of Event Which Requires Filing of this Statement)
Check the appr	opriate box to designate the rule pursuant to which this Schedule is filed:
	Rule 13d-1(b)
\boxtimes	Rule 13d-1(c)
	Rule 13d-1(d)
	er of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for amendment containing information which would alter the disclosures provided in a prior cover page.
	n required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act) or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the

CUSIP No. 24344T101

1	Name of Reporting Person			
	Redmile Group, LLC			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)			
	(A)			
2	(B) [
3	SEC Use Only Citizenship or Place of Organization			
4	CITIZENSHIP OR P	LACE OF	URGANIZATION	
	Delaware			
		5	Sole Voting Power	
			0	
	MBER OF	6	Shared Voting Power	
	HARES			
	EFICIALLY		5,680,917 ⁽¹⁾	
	VNED BY	7	Sole Dispositive Power	
	EACH PORTING			
	SON WITH		0	
FER	SON WIIII	8	Shared Dispositive Power	
			5,680,917 ⁽¹⁾	
9	Aggregate Amo	DUNT BEI	NEFICIALLY OWNED BY EACH REPORTING PERSON	
	(1)			
	5,680,917 ⁽¹⁾			
10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)			
11	Percent of Class Represented by Amount in Row (9)			
	TENDENT OF CENTER STATEMENT IN THE (O)			
	$8.1\%^{(2)}$			
12	Type of Reporting Person (See Instructions)			
16	THE OF RELOGIANG LEGISLATION (OFF HORIZON)			
	IA, OO			
	,			

(1) Redmile Group, LLC's beneficial ownership of the Issuer's Common Stock, \$0.01 par value ("Common Stock") is comprised of 1,430,917 shares of Common Stock owned by certain private investment vehicles and/or separately managed accounts managed by Redmile Group, LLC, which shares of Common Stock may be deemed beneficially owned by Redmile Group, LLC as investment manager of such private investment vehicles and/or separately managed accounts. The reported securities may also be deemed beneficially owned by Jeremy C. Green as the principal of Redmile Group, LLC. Redmile Group, LLC and Mr. Green each disclaim beneficial ownership of these shares, except to the extent of its or his pecuniary interest in such shares, if any. Subject to the Beneficial Ownership Blocker (as defined below), Redmile Group, LLC may also be deemed to beneficially own 4,250,000 shares of Common Stock issuable upon exercise of certain pre-funded warrants to purchase Common Stock (the "Warrants"). Pursuant to the terms of the Warrants, a holder of a Warrant will not be entitled to exercise any portion of the Warrant held by such holder, and the Issuer may not effect such exercise, to the extent (but only to the extent) that after giving effect to such issuance after exercise, the holder (together with the holder's affiliates, and any other persons acting as a group together with the holder or any of the holder's affiliates), would beneficially own in excess of 9.99% (the "Beneficial Ownership Limitation") of the number of shares of Common Stock outstanding immediately after giving effect to the issuance of shares of Common Stock issued upon exercise of the Warrant (the "Beneficial Ownership Blocker"). The Beneficial Ownership Limitation may be changed at a holder's election upon 61 days' notice to the Issuer.

(2) Percentage based on the sum of (a) 66,216,509 shares of Common Stock outstanding as of April 29, 2022, as reported by the Issuer in its Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2022 filed with the Securities and Exchange Commission on May 4, 2022 (the "Form 10-Q"), plus (b) 4,250,000 shares of Common Stock issuable upon exercise of the Warrants.

CUSIP No. 24344T101

1	Name of Reporting Person			
	Jeremy C. Green			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)			
	(A) 🗆			
	(B) \square			
3	SEC Use Only			
4	Citizenship or Place of Organization			
	United Kingdom			
		5	Sole Voting Power	
		6	SHARED VOTING POWER	
NU	MBER OF			
	HARES		5,680,917 ⁽³⁾	
	EFICIALLY			
	VNED BY EACH	7	Sole Dispositive Power	
RE	PORTING		0	
PER	SON WITH	8	Shared Dispositive Power	
			5,680,917 ⁽³⁾	
9	Aggregate Amo	OUNT BEN	NEFICIALLY OWNED BY EACH REPORTING PERSON	
	5,680,917 ⁽³⁾			
10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)			
	(3222.00.000.00)			
11	Percent of Class Represented by Amount in Row (9)			
	8.1% ⁽⁴⁾			
12	Type of Reporting Person (See Instructions)			
	TILD OF TELE ONLING TELECON (OLD MOTHOGICA)			
	IN, HC			

⁽³⁾ Jeremy C. Green's beneficial ownership of Common Stock is comprised of 1,430,917 shares of Common Stock owned by certain Redmile Funds, which shares of Common Stock may be deemed beneficially owned by Redmile Group, LLC as investment manager of the Redmile Funds. The reported securities may also be deemed beneficially owned by Jeremy C. Green as the principal of Redmile Group, LLC. Redmile Group, LLC and Mr. Green each disclaim beneficial ownership of these shares, except to the extent of its or his pecuniary interest in such shares, if any. Subject to the Beneficial Ownership Blocker, Mr. Green may also be deemed to beneficially own 4,250,000 shares of Common Stock issuable upon exercise of the Warrants. Pursuant to the terms of the Warrants, the Issuer may not effect any exercise of any Warrant, and a holder of a Warrant does not have the right to exercise any portion of the Warrant held by such holder, to the extent that the Beneficial Ownership Blocker applies.

⁽⁴⁾ Percentage based on the sum of (a) 66,216,509 shares of Common Stock outstanding as of April 29, 2022, as reported by the Issuer in the Form 10-Q, plus (b) 4,250,000 shares of Common Stock issuable upon exercise of the Warrants.

CUSIP No. 24344T101

1	Name of Reporting Person			
	RedCo II Mass			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)			
	(.) □			
	(A) □ (B) □			
3	SEC Use Only			
4				
4	CITIZENSHIP OR PLACE OF ORGANIZATION			
	Cayman Island	ds		
		5	Sole Voting Power	
			0	
		6	Shared Voting Power	
	MBER OF			
	HARES		4,700,000 (5)	
	EFICIALLY			
	VNED BY	7	Sole Dispositive Power	
	EACH PORTING			
	SON WITH		0	
ILK	SON WIIII	8	Shared Dispositive Power	
			4,700,000 ⁽⁵⁾	
9	Aggregate Amount Beneficially Owned by Each Reporting Person			
	4 = 00 000 (5)			
40	4,700,000 (5)			
10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)			
11	Departure on Cycles Departure by Augyana p. Devi (0)			
11	Percent of Class Represented by Amount in Row (9)			
	0.70(6)			
40	6.7%(6)			
12	Type of Reporting Person (See Instructions)			
	PN			
	rN			

⁽⁵⁾ RedCo II Master Fund, L.P.'s beneficial ownership of the Issuer's Common Stock is comprised of 750,000 shares of Common Stock and 3,950,000 shares of Common Stock issuable upon exercise of the Warrant directly held by RedCo II Master Fund, L.P.

⁽⁶⁾ Percentage based on the sum of (a) 66,216,509 shares of Common Stock outstanding as of April 29, 2022, as reported by the Issuer in the Form 10-Q, plus (b) 3,950,000 shares of Common Stock issuable upon exercise of the Warrant directly held by RedCo II Master Fund, L.P.

Item 1.						
	(a)		Name of Issuer			
			Decipher	a Pharmaceuticals, Inc.		
	(b)		Address o	of Issuer's Principal Executive Offices		
			200 Smitl Waltham,	h Street MA 02451		
Item 2.						
	(a)		Names of	F Persons Filing		
			Jeremy C	Group, LLC Green Master Fund, L.P.		
	(b)		Address o	of Principal Business office of each Reporting Person is:		
			Building The Presi	erman Drive D, Suite D3-300 Idio of San Francisco Cisco, California 94129		
	(c)		Citizensh	ip		
			Redmile Group, LLC: Delaware Jeremy C. Green: United Kingdom RedCo II Master Fund, L.P.: Cayman Islands			
	(d)		Title of Class of Securities			
			Common Stock, \$0.01 par value			
	(e)	CUSIP Number				
		01				
Item 3.		If th	is stateme	ent is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:		
		(a)		Broker or dealer registered under section 15 of the Act (15 U.S.C. 780);		
		(b)		Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);		
		(c)		Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);		
		(d)		Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8);		
		(e)		An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);		

	(f)		An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);		
	(g)		A parent holding company or control person in accordance with $\S 240.13d-1(b)(1)(ii)(G);$		
	(h)		A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);		
	(i)		A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);		
	(j)		A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J);		
	(k)		Group, in accordance with § 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1) (ii)(J), please specify the type of institution: $___$		
Item 4.	Owners	ship.			
	(a)	Amou	ount beneficially owned:		
		Redmile Group, LLC – 5,680,917* Jeremy C. Green – 5,680,917* RedCo II Master Fund, L.P. – 4,700,000 **			
	(b)	Percen	nt of class:		
Redmile Group, LLC -8.1% * Jeremy C. Green -8.1% * RedCo II Master Fund, L.P. -6.7% **			y C. Green – 8.1%*		
	(c)	Numb	er of shares as to which Redmile Group, LLC has:		
		(i) So	ole power to vote or to direct the vote:		
		0			
		(ii) Sl	hared power to vote or to direct the vote:		
		5,	680,917*		
		(iii) So	ole power to dispose or to direct the disposition of:		
		0			
		(iv) Sl	hared power to dispose or to direct the disposition of:		
		5,	680,917*		
Number of shares as to which Jeremy C. Green has:			res as to which Jeremy C. Green has:		
		(i) So	ole power to vote or to direct the vote:		
		0			
		(ii) Sl	hared power to vote or to direct the vote:		
		5,	680,917*		

(iii) Sole power to dispose or to direct the disposition of:

0
(iv) Shared power to dispose or to direct the disposition of:

5,680,917*

Number of shares as to which RedCo II Master Fund, L.P. has:

(i) Sole power to vote or to direct the vote:

0

(ii) Shared power to vote or to direct the vote:

4,700,000**

(iii) Sole power to dispose or to direct the disposition of:

0

(iv) Shared power to dispose or to direct the disposition of:

4,700,000**

* Redmile Group, LLC's and Jeremy C. Green's beneficial ownership of the Issuer's Common Stock is comprised of 1,430,917 shares of Common Stock owned by certain private investment vehicles and/or separately managed accounts managed by Redmile Group, LLC, which shares of Common Stock may be deemed beneficially owned by Redmile Group, LLC as investment manager of such private investment vehicles and/or separately managed accounts. The reported securities may also be deemed beneficially owned by Jeremy C. Green as the principal of Redmile Group, LLC. Redmile Group, LLC and Mr. Green each disclaim beneficial ownership of these shares, except to the extent of its or his pecuniary interest in such shares, if any. Subject to the Beneficial Ownership Blocker, Redmile Group, LLC and Mr. Green may also be deemed to beneficially own 4,250,000 shares of Common Stock issuable upon exercise of the Warrants. Pursuant to the terms of the Warrants, a holder of a Warrant does not have the right to exercise any portion of the Warrant held by such holder, and such exercise will be void ab initio, if the Beneficial Ownership Blocker applies.

Percentage based on the sum of (a) 66,216,509 shares of Common Stock outstanding as of April 29, 2022, as reported by the Issuer in the Form 10-Q, plus (b) 4,250,000 shares of Common Stock issuable upon exercise of the Warrants.

** RedCo II Master Fund, L.P.'s beneficial ownership of the Issuer's Common Stock is comprised of 750,000 shares of Common Stock and 3,950,000 shares of common stock issuable upon the exercise of the Warrant directly held by RedCo II Master Fund, L.P.

Percentage based on the sum of (a) 66,216,509 shares of Common Stock outstanding as of April 29, 2022, as reported by the Issuer in the Form 10-Q, plus (b) 3,950,000 shares of Common Stock issuable upon exercise of the Warrant directly held by RedCo II Master Fund, L.P.

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than 5 percent of the class of securities, check the following \Box

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

N/A.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person.

See the response to Item 4.

Item 8. Identification and Classification of Members of the Group.

N/A

Item 9. Notice of Dissolution of Group.

N/A

Item 10. Certifications.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under § 240.14a-11.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: May 9, 2022

Redmile Group, LLC

By: /s/ Jeremy C. Green_

Name: Jeremy C. Green Title: Managing Member

/s/ Jeremy C. Green
Jeremy C. Green

RedCo II Master Fund, L.P. By: RedCo II (GP), LLC, its general partner

By: /s/ Jeremy C. Green_

Name: Jeremy C. Green Title: Managing Member

Joint Filing Agreement

In accordance with Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), the undersigned hereby agree to the joint filing on behalf of each of them of a Statement on Schedule 13G (including any and all amendments thereto, the "Schedule 13G") relating to the Common Stock, \$0.01 par value per share, of Deciphera Pharmaceuticals, Inc., which may be deemed necessary pursuant to Regulation 13D or 13G promulgated under the Exchange Act.

The undersigned further agree that each party hereto is responsible for the timely filing of the Schedule 13G, and for the accuracy and completeness of the information concerning such party contained therein; provided, however, that no party is responsible for the accuracy or completeness of the information concerning any other party, unless such party knows or has a reason to believe that such information is inaccurate.

It is understood and agreed that a copy of this Joint Filing Agreement shall be attached as an exhibit to the Schedule 13G, filed on behalf of each of the parties hereto.

IN WITNESS WHEREOF, each of the undersigned has executed this Joint Filing Agreement as of the 9th day of May, 2022.

REDMILE GROUP, LLC

/s/ Jeremy C. Green

Name: Jeremy C. Green Title: Managing Member

/s/ Jeremy C. Green

JEREMY C. GREEN

REDCO II MASTER FUND, L.P. By: RedCo II (GP), LLC, its general partner

/s/ Jeremy C. Green

Name: Jeremy C. Green Title: Managing Member