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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 5)*

> Amicus Therapeutics, Inc. (Name of Issuer)

<u>Common Stock</u>, \$0.001 par value per share (Title of Class of Securities)

03152W109 (CUSIP Number)

<u>December 31, 2017</u> (Date of Event Which Requires Filing of this Statement)

	△ Rule 13d-1(b)					
ļ	☐ Rule 13d-1(c)					
İ	□ Rule 13d-1(d)					
			be filled out for a reporting person's initial filing on this form with respect of the form which would alter the disclosures provided in a prior cover page			
			er of this cover page shall not be deemed to be "filed" for the purpose of Se liabilities of that section of the Act but shall be subject to all other provision			
(1)	Names of Reporting	Persons.		Redmile Group, LLC		
(2)	Check the Appropriate Box if a Member of a Group (See Instructions) (a) (b)					
(3)	SEC Use Only					
(4)	Citizenship or Place	Citizenship or Place of Organization DELAWAR				
	NUMBER OF	(5)	Sole Voting Power	0		
	SHARES BENEFICIALLY	(6)	Shared Voting Power	12,085,770		
	OWNED BY EACH REPORTING	(7)	Sole Dispositive Power	0		
	PERSON WITH	(8)	Shared Dispositive Power	12,085,770		
(9)	Aggregate Amoun	t Benefic	ially Owned by Each Reporting Person	12,085,770		
(10)	Check if the Aggre	gate Amo	ount in Row (9) Excludes Certain Shares (See Instructions)			
(11)	Percent of Class R	epresente	d by Amount in Row (9)	7.18%		
(12)	Type of Reporting Person (See Instructions) IA,00					
			2			
(1)	Names of Reporting	Persons.		JEREMY C. GREEN		
(2)	Check the Appropria	Check the Appropriate Box if a Member of a Group (See Instructions) (a) (b) (b)				
(3)	SEC Use Only					

(4)	Citizens	ship o	Place of Organization UNITED	KINGDOM			
1	NUMBE		(5) Sole Voting Power	0			
	SHAR ENEFIC	IALLY		12,085,770			
]	NED B'	TING	(7) Sole Dispositive Power	0			
PI	ERSON	WITE	(8) Shared Dispositive Power	12,085,770			
(9)	Aggre	egate A	amount Beneficially Owned by Each Reporting Person	12,085,770			
(10)	Check	k if the	Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)				
(11)	Perce	nt of C	lass Represented by Amount in Row (9)	7.18%			
(12)	Type	of Rep	orting Person (See Instructions)	IN,HC			
			3				
Item 1(a).	Name	of Issi	ier:				
	Amicu	ıs Ther	apeutics, Inc.				
Item 1(b).	. Address of Issuer's Principal Executive Offices:						
	1 Cedar Brook Drive Cranbury, New Jersey 08512						
Item 2(a).). Names of Persons Filing:						
	Redmile Group, LLC ("Redmile") Jeremy C. Green ("Jeremy Green")						
Item 2(b).	. Address of Principal Business Office or, if None, Residence:						
	The pr	incipa	business address of each reporting person is One Letterman Drive, Bldg D, Ste D3-300, San Francisco, CA 94129.				
Item 2(c).	Citizei	Citizenship:					
	Reference is made to Item 4 of pages 2–3 of this Schedule 13G (this "Schedule"), which Items are incorporated by reference herein.						
Item 2(d).	Title of Class of Securities:						
	Comm	on Sto	ck, \$.001 par value per share				
Item 2(e).	. CUSIP Number:						
	03152						
Item 3.			ent is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:				
	•		roker or dealer registered under section 15 of the Act (15 U.S.C. 780).				
		(b) B	ank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).				
		(c) In	surance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).				
		(d) In	vestment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8).				
	X ((e) A	n investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);				
		(f) A	n 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 § 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 of 1940 (15 U.S.C. 80a-3);				
		(j)	Group, in accordance with §240.13d-1(b)(1)(ii)(J).				
Item 4.	Ownership. ¹						
	Refe	erence	e is hereby made to Items 5-9 and 11 of this Schedule above, which Items are incorporated by reference herein.				
¹ Representatio.	ited ii	ı part	by 2,060,000 Warrants to purchase common stock, which may be exchanged for ordinary shares, par value \$0.01 per share, at a 1:1				
Item 5.	Ownership of Five Percent or Less of a Class						
five percer			tement 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 ass of securities, check the following [].				
Item 6.	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						
	If a parent holding company or control person has filed this schedule, pursuant to Rule 13d-1(b)(1)(ii)(G), so indicate under Item 3(g) and attach stating the identity and the Item 3 classification of the relevant subsidiary. If a parent holding company or control person has filed this schedule of Rule 13d-1(c) or Rule 13d-1(d), attach an exhibit stating the identification of the relevant subsidiary.						
	See	Exhit	oit B attached hereto.				
Item 8.	Identification and Classification of Members of the Group						
	Not	Appli	cable.				
Item 9.	Noti	ce of	Dissolution of Group				
	Not	Appli	cable.				
Item 10.	Cei	rtifica	ation				

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By signing below the undersigned certify that, to the best of their knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and 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.

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

Dated: Feburary 14, 2018 REDMILE GROUP, LLC

> By: /s/ Jeremy C. Green Name: Jeremy C. Green Title: Managing Member

JEREMY C. GREEN

/s/ Jeremy C. Green Jeremy C. Green

Exhibit A

The undersigned agree that this Schedule 13G, dated Feburary 14, 2018, relating to the common stock, par value \$0.001, of Amicus Therapeutics, Inc., shall be filed on behalf of the undersigned.

Dated: Feburary 14, 2018 REDMILE GROUP, LLC

By: <u>/s/ Jeremy C. Green</u>

Name: Jeremy C. Green Title: Managing Member

JEREMY C. GREEN

By: <u>/s/ Jeremy C. Green</u> Jeremy C. Green

Exhibit B

Redmile Group, LLC is the relevant entity for which Jeremy C. Green may be considered a control person.