# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

## **SCHEDULE 13D**

(Rule 13d-102)
INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT
TO RULE 13d-l(a) AND AMENDMENTS THERETO FILED PURSUANT
TO RULE 13d-2(a)
(Amendment No. 1)\*

## REPARE THERAPEUTICS INC.

(Name of Issuer)

Common Stock (Title of Class of Securities)

> 760273102 (CUSIP Number)

Versant Venture Capital V, L.P. Robin L. Praeger One Sansome Street, Suite 3630 San Francisco, CA 94104 415-801-8100

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

January 14, 2021 (Date of Event Which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of  $\S\S240.13d-1(e)$ , 240.13d-1(g), check the following box.  $\square$ 

\* The remainder 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 any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act.

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1.	Name	of Rep	porting Persons			
	Versant Venture Capital V, L.P.					
2.	Check (a) □		ppropriate Box if a Member of a Group (see instructions)			
3.	SEC U	SE O	NLY			
4.	Source	of Fu	nds (see instructions)			
	WC					
5.	Check	if Dis	closure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)			
6.	_	schip e	or Place of Organization			
ο.	Citizei	isinh (	of Effect of Other installation			
	Delaw		nited States			
		7.	Sole Voting Power			
	mber of		2,378,225 shares of Common Stock (2)			
	hares eficially	8.	Shared Voting Power			
	Owned by					
	Each					
Re	porting	9.	Sole Dispositive Power			
	erson With		2,378,225 shares of Common Stock (2)			
	***************************************	10.	Shared Dispositive Power			
			0			
11.	Aggreg	gate A	mount Beneficially Owned by Each Reporting Person			
40			ares of Common Stock (2)			
12.	Cneck	if the	Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)			
13.	Percen	t of C	lass Represented by Amount in Row 11			
	6.5% (					
14.	Type o	f Repo	orting Person (see instructions)			
	PN					

- (1) This Schedule 13D is filed by Versant Venture Capital V, L.P. ("VVC V"), Versant Affiliates Fund V, L.P. ("VAF V"), Versant Ophthalmic Affiliates Fund I, L.P. ("VOA"), Versant Ventures V, LLC ("VV V"), Versant Venture Capital VI, L.P. ("Versant VI"), Versant Ventures VI GP, L.P. ("GP VI"), Versant Ventures VI GP-GP, LLC ("LLC VI"), Versant Vantage I, L.P. ("Vantage LP"), Versant Vantage I GP, L.P. ("Vantage GP"), Versant Vantage I GP-GP, LLC ("Vantage LLC"), Versant Ventures V GP-GP (Canada), Inc. ("VV V CAN GP"), Versant Ventures V (Canada), L.P. ("VV V CAN"), Versant Venture Capital V (Canada) LP ("VVC CAN" and, with VV V CAN GP, Vantage LLC, VVC V, VAF V, VOA, VV V CAN, VV V, Versant VI, GP VI, LLC VI, Vantage LP and Vantage GP, collectively, the "Reporting Persons"). VV V is the sole general partner of VVC V, VAF V and VOA. LLC VI is the general partner of GP VI, which is the general partner of Versant VI. LLC VI and GP VI share voting and dispositive power over the shares held by Versant VI. Vantage LLC is the general partner of Vantage GP, which is the general partner of Vantage LP. Vantage LLC and Vantage GP share voting and dispositive power over the shares held by Vantage LP. VV V CAN GP is the sole general partner of VV V CAN, and VV V CAN is the sole general partner of VVC CAN. VV V CAN GP and VV V CAN share voting and dispositive power over the shares held by VVC CAN. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.
- (2) These shares are held by VVC V. VV V is the sole general partner of VVC V and may be deemed to have voting and investment power over the securities held by VVC V and as a result may be deemed to have beneficial ownership over such securities.
- (3) This calculation is based upon 36,765,013 shares of the Issuer's Common Stock outstanding as of November 12, 2020, as reported in the Issuer's quarterly report on Form10-Q for the quarter ended September 30, 2020, filed with the United States Securities and Exchange Commission on November 12, 2020 (the "Form 10-Q").

1.	Name	of Rep	porting Persons			
	Versant Affiliates Fund V, L.P.					
2.	Check (a) □		ppropriate Box if a Member of a Group (see instructions)  o) ⊠(1)			
3.	SEC U	SE O	NLY			
4.	Source	of Fu	ands (see instructions)			
	WC					
5.		if Dis	closure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)			
		<u>,,</u>				
6.	Citizei	iship d	or Place of Organization			
	Delaw	are, U	nited States			
		7.	Sole Voting Power			
-	nber of		71,538 shares of Common Stock (2)			
	hares eficially	8.	Shared Voting Power			
Ow	ned by		0			
	Each porting	9.	Sole Dispositive Power			
P	erson With		71,538 shares of Common Stock (2)			
· '	VVIUI	10.	Shared Dispositive Power			
			0			
11.	Aggre	gate A	mount Beneficially Owned by Each Reporting Person			
	71 529	charo	s of Common Stock (2)			
12.	71,538 shares of Common Stock (2) Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)					
13.						
14.	0.2% (	-	orting Person (see instructions)			
17.	1ypc 0	. r.ch	orang retroit (see moducuons)			
	PN					

- (1) This Schedule 13D is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.
- (2) These shares are held by VAF V. VV V is the sole general partner of VAF V and may be deemed to have voting and investment power over the securities held by VAF V and as a result may be deemed to have beneficial ownership over such securities.
- (3) This calculation is based upon 36,765,013 shares of the Issuer's Common Stock outstanding as of November 12, 2020, as reported in the Form 10-Q.

1.	Name	of Rep	porting Persons			
	Versant Ophthalmic Affiliates Fund I, L.P.					
2.	Check (a) □		ppropriate Box if a Member of a Group (see instructions)  D) ⊠(1)			
3.	SEC U	SE O	NLY			
4.	Source	of Fu	unds (see instructions)			
	WC					
5.	Check	if Dis	closure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)			
		1.				
6.		_	or Place of Organization			
	Delaw	are, U	nited States			
		7.	Sole Voting Power			
	nber of		79,188 shares of Common Stock (2)			
	hares eficially	8.	Shared Voting Power			
Ow	ned by		0			
	Each porting	9.	Sole Dispositive Power			
P	erson With		79,188 shares of Common Stock (2)			
	, , 1411	10.	Shared Dispositive Power			
			0			
11.	Aggre	gate A	mount Beneficially Owned by Each Reporting Person			
	79,188	share	es of Common Stock (2)			
12.						
13.	Percen	t of C	lass Represented by Amount in Row 11			
	0.2% (					
14.	Type o	f Repo	orting Person (see instructions)			
	PN					

- (1) This Schedule 13D is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.
- (2) These shares are held by VOA. VV V is the sole general partner of VOA and may be deemed to have voting and investment power over the securities held by VOA and as a result may be deemed to have beneficial ownership over such securities.
- (3) This calculation is based upon 36,765,013 shares of the Issuer's Common Stock outstanding as of November 12, 2020, as reported in the Form 10-Q.

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1.	Name	of Rep	porting Persons			
	Versant Ventures V, LLC					
2.			ppropriate Box if a Member of a Group (see instructions)			
۷.	(a)		propriate box if a Member of a Group (see instructions) $ \boxtimes (1) $			
	(a) <u></u>	(1				
3.	SEC U	SE O	NLY			
4.	Source	of Fu	ands (see instructions)			
	AF					
5.	Check	if Dis	closure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)			
6.	Citizei	iship (	or Place of Organization			
	Delaw	aro				
	Delaw	7.	Sole Voting Power			
	nber of hares		0			
	eficially	8.	Shared Voting Power			
Ow	ned by		2,528,951 shares of Common Stock (2)			
	Each	9.	Sole Dispositive Power			
	porting erson		•			
	With		0			
		10.	Shared Dispositive Power			
			2,528,951 shares of Common Stock (2)			
11.	Aggre	gate A	mount Beneficially Owned by Each Reporting Person			
- 10			nares of Common Stock (2)			
12.	Check	if the	Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)			
13.	Percen	t of C	lass Represented by Amount in Row 11			
	6.9% (	3)				
14.			orting Person (see instructions)			
	00					
	00					

<sup>(1)</sup> This Schedule 13D is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.

Includes (i) 2,378,225 shares are held by VVC V, (ii) 71,538 shares held by VAF, and (iii) 79,188 shares held by VOA. VV V is the sole general (2) partner of VVC V, VAF and VOA and may be deemed to have voting and investment power over the securities held by VVC V, VAF and VOA.

This calculation is based upon 36,765,013 shares of the Issuer's Common Stock outstanding as of November 12, 2020, as reported in the Form 10-Q.

1.	Name	of Rep	porting Persons			
			ure Capital V (Canada) LP			
2.	Check (a) □		ppropriate Box if a Member of a Group (see instructions)  o) ⊠(1)			
3.	SEC U	SE O	NLY			
4.	Source	of Fu	ands (see instructions)			
	WC					
5.	Check	if Dis	closure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)			
6.	Citizer	ship o	or Place of Organization			
	Ontari	o, Can	ada			
	7. Sole Voting Power					
	nber of		180,995 shares of Common Stock (2)			
Ben	hares eficially	8.	Shared Voting Power			
	ned by Each		0			
Re	porting	9.	Sole Dispositive Power			
	erson With		180,995 shares of Common Stock (2)			
		10.	Shared Dispositive Power			
			0			
11.	Aggreg	gate A	mount Beneficially Owned by Each Reporting Person			
	180,995 shares of Common Stock (2)					
12.						
13.	Percen	t of C	lass Represented by Amount in Row 11			
	0.5% (					
14.	Type o	f Repo	orting Person (see instructions)			
	PN					

- (1) This Schedule 13D is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.
- (2) These shares are held by VVC CAN. VV V CAN GP is the sole general partner of VV V CAN, and VV V CAN is the sole general partner of VVC CAN. VV V CAN GP and VV V CAN share voting and dispositive power over the shares held by VVC CAN and as a result may be deemed to have beneficial ownership over such securities.
- (3) This calculation is based upon 36,765,013 shares of the Issuer's Common Stock outstanding as of November 12, 2020, as reported in the Form 10-Q.

1.	Name	of Rep	porting Persons			
	Versan	t Vent	rures V GP-GP (Canada), Inc.			
2.	Check (a) □		ppropriate Box if a Member of a Group (see instructions)  D) ⊠(1)			
3.	SEC U	SE O	NLY			
4.	Source	of Fu	ands (see instructions)			
	AF					
5.	Check	if Dis	closure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)			
6.		schin d	or Place of Organization			
0.	Citizei	isiiip (	of Place of Organization			
	Delaw	are				
		7.	Sole Voting Power			
-	nber of		0			
	hares eficially	8.	Shared Voting Power			
	ned by		180,995 shares of Common Stock (2)			
	Each porting	9.	Sole Dispositive Power			
	erson With		0			
'	VVILII	10.	Shared Dispositive Power			
			180,995 shares of Common Stock (2)			
11.	Aggre	gate A	mount Beneficially Owned by Each Reporting Person			
	100.00	·	on of Common Steels (2)			
12.	180,995 shares of Common Stock (2)  Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)					
12.	CHECK	II tile	Aggregate Amount in Now (11) Excludes Certain Shares (see instructions)			
13.	Percen	t of C	lass Represented by Amount in Row 11			
	0.5% (3)					
14.	Type o	f Rep	orting Person (see instructions)			
	CO					
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- (1) This Schedule 13D is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.
- (2) These shares are held by VVC CAN. VV V CAN GP is the sole general partner of VV V CAN, and VV V CAN is the sole general partner of VVC CAN. VV V CAN GP and VV V CAN share voting and dispositive power over the shares held by VVC CAN and as a result may be deemed to have beneficial ownership over such securities.
- (3) This calculation is based upon 36,765,013 shares of the Issuer's Common Stock outstanding as of November 12, 2020, as reported in the Form 10-Q.

1.	Name	of Rep	porting Persons			
	Versan	t Vent	ures V (Canada), L.P.			
2.	Check (a) □		ppropriate Box if a Member of a Group (see instructions)  D) ⊠(1)			
3.	SEC U	SE O	NLY			
4.	Source	of Fu	ands (see instructions)			
	AF					
5.	Check	if Dis	closure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)			
6.		ochin (	or Place of Organization			
0.	Citizei	isinp (	of Flace of Organization			
	Delaw	are				
		7.	Sole Voting Power			
-	nber of		0			
	hares eficially	8.	Shared Voting Power			
	ned by		180,995 shares of Common Stock (2)			
	Each porting	9.	Sole Dispositive Power			
P	erson With		0			
'	WILLI	10.	Shared Dispositive Power			
			180,995 shares of Common Stock (2)			
11.	Aggre	gate A	mount Beneficially Owned by Each Reporting Person			
	400.00	- 1				
12.	180,995 shares of Common Stock (2)  Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)					
12.	Check if the Aggregate Amount in Row (11) Excludes Certain States (see instructions)					
13.	. Percent of Class Represented by Amount in Row 11					
	0.5% (3)					
14.	Type o	f Rep	orting Person (see instructions)			
	PN					

- (1) This Schedule 13D is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.
- (2) These shares are held by VVC CAN. VV V CAN GP is the sole general partner of VV V CAN, and VV V CAN is the sole general partner of VVC CAN. VV V CAN GP and VV V CAN share voting and dispositive power over the shares held by VVC CAN and as a result may be deemed to have beneficial ownership over such securities.
- (3) This calculation is based upon 36,765,013 shares of the Issuer's Common Stock outstanding as of November 12, 2020, as reported in the Form 10-Q.

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1.	Name	of Rep	porting Persons			
	Versant Venture Capital VI, L.P.					
2.	Check (a) □		ppropriate Box if a Member of a Group (see instructions)  o) ⊠(1)			
3.	SEC U	SE O	NLY			
4.	Source	of Fu	nds (see instructions)			
	WC					
5.		if Di	sclosure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)			
6.	Citizei	ısnıp o	or Place of Organization			
	Delaw	are				
		7.	Sole Voting Power			
_	mber of	8.	3,144,451 shares of Common Stock(2)			
	Shares Beneficially		Shared Voting Power			
	ned by					
	Each		0 Sole Dispositive Power			
	porting	9.	Sole Dispositive Power			
	erson With		3,144,451 shares of Common Stock(2)			
		10.	Shared Dispositive Power			
			0			
11.	Aggre	gate A	mount Beneficially Owned by Each Reporting Person			
			ares of Common Stock (2)			
12.	Check	if the	Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)			
13.	Percen	t of C	lass Represented by Amount in Row 11			
	8.6% (					
14.	Type o	f Rep	orting Person (see instructions)			
	PN					

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(3) This calculation is based upon 36,765,013 shares of the Issuer's Common Stock outstanding as of November 12, 2020, as reported in the Form 10-Q.

<sup>(2)</sup> These shares are held by Versant VI. LLC VI is the general partner of GP VI, which is the general partner of Versant VI. LLC VI and GP VI share voting and dispositive power over the shares held by Versant VI and as a result may be deemed to have beneficial ownership over such securities.

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1.	Name	of Rep	porting Persons			
	Versant Ventures VI GP, L.P.					
2.	Check (a) □		ppropriate Box if a Member of a Group (see instructions)  o) $\boxtimes (1)$			
3.	SEC U	SE O	NLY			
4.	Source	of Fu	ands (see instructions)			
	AF					
5.		if Di	sclosure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)			
6.	Citizer	ıship o	or Place of Organization			
	Delaw	are				
		7.	Sole Voting Power			
-	nber of		0			
Ben	hares eficially	8.	Shared Voting Power			
	Owned by		3,144,451 shares of Common Stock (2)			
	Each porting	9.	Sole Dispositive Power			
	erson					
	With		0			
		10.	Shared Dispositive Power			
			3,144,451 shares of Common Stock (2)			
11.	Aggre	gate A	mount Beneficially Owned by Each Reporting Person			
			ares of Common Stock (2)			
12.	Check	if the	Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)			
13.	Percen	t of C	lass Represented by Amount in Row 11			
	8.6% (					
14.	Type o	f Rep	orting Person (see instructions)			
	PN					

(1) This Schedule 13D is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.

(3) This calculation is based upon 36,765,013 shares of the Issuer's Common Stock outstanding as of November 12, 2020, as reported in the Form 10-Q.

<sup>(2)</sup> These shares are held by Versant VI. LLC VI is the general partner of GP VI, which is the general partner of Versant VI. LLC VI and GP VI share voting and dispositive power over the shares held by Versant VI and as a result may be deemed to have beneficial ownership over such securities.

1. Name of Reporting Persons  Versant Ventures VI GP-GP, LLC  2. Check the Appropriate Box if a Member of a Group (see instructions) (a) □ (b) ⊠(1)  3. SEC USE ONLY  4. Source of Funds (see instructions)  AF  5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)  □  6. Citzenship or Place of Organization  Delaware  Number of Shares  Ben=Ficially Normelly Each Reporting Person Wish 10. Shared Voting Power  3,144,451 shares of Common Stock (2)  9. Sole Dispositive Power  0 Shared Dispositive Power  10. Shared Dispositive Power  10. Shared Dispositive Power  11. Aggregate Amount Beneficially Owned by Each Reporting Person  3,144,451 shares of Common Stock (2)  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)  13. Percent of Class Represented by Amount in Row 11  8.6% (3)  14. Type of Reporting Person (see instructions)  OO	-						
2. Check the Appropriate Box if a Member of a Group (see instructions) (a) □ (b) ⊠(1)  3. SEC USE ONLY  4. Source of Funds (see instructions)  AF  5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e) □  6. Citizenship or Place of Organization Delaware  7. Sole Voting Power  Number of Shares Beneficially Owned by Each Reporting Person With  10. Shared Voting Power  3,144,451 shares of Common Stock (2)  11. Aggregate Amount Beneficially Owned by Each Reporting Person 3,144,451 shares of Common Stock (2)  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions) □  13. Percent of Class Represented by Amount in Row 11  8.6% (3)  14. Type of Reporting Person (see instructions)	1.	Name	of Rep	porting Persons			
(a)		Versant Ventures VI GP-GP, LLC					
4. Source of Funds (see instructions)  AF  5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)  Clitizenship or Place of Organization  Delaware  7. Sole Voting Power  0  Shares Beneficially Owned by Each Reporting Person With  10. Shared Dispositive Power  0  10. Shared Dispositive Power  3,144,451 shares of Common Stock (2)  11. Aggregate Amount Beneficially Owned by Each Reporting Person  3,144,451 shares of Common Stock (2)  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)  13. Percent of Class Represented by Amount in Row 11  8.6% (3)  14. Type of Reporting Person (see instructions)	2.						
AF  5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)  G. Citizenship or Place of Organization  Delaware  7. Sole Voting Power  Number of Shares Beneficially Owned by Each Reporting Person With  10. Shared Dispositive Power  9. Sole Dispositive Power  10. Shared Dispositive Power  3.144,451 shares of Common Stock (2)  11. Aggregate Amount Beneficially Owned by Each Reporting Person  3.144,451 shares of Common Stock (2)  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)  13. Percent of Class Represented by Amount in Row 11  8.6% (3)	3.	SEC U	SE O	NLY			
5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)	4.	Source	of Fu	ands (see instructions)			
6. Citizenship or Place of Organization  Delaware  7. Sole Voting Power  0 Shares Beneficially Owned by Each Reporting Person With  10. Shared Dispositive Power  3,144,451 shares of Common Stock (2)  11. Aggregate Amount Beneficially Owned by Each Reporting Person 3,144,451 shares of Common Stock (2)  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)  13. Percent of Class Represented by Amount in Row 11  8.6% (3)  14. Type of Reporting Person (see instructions)		AF					
6. Citizenship or Place of Organization  Delaware    To Sole Voting Power	5.		if Di	sclosure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)			
Delaware   To   Sole Voting Power							
Number of Shares Beneficially Owned by Each Reporting Person With  10 Shared Dispositive Power  11. Aggregate Amount Beneficially Owned by Each Reporting Person  3,144,451 shares of Common Stock (2)  11. Aggregate Amount Beneficially Owned by Each Reporting Person  3,144,451 shares of Common Stock (2)  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)  13. Percent of Class Represented by Amount in Row 11  8.6% (3)  14. Type of Reporting Person (see instructions)	6.	Citizei	iship (	or Place of Organization			
Number of Shares Beneficially Owned by Each Reporting Person With  10. Shared Dispositive Power  10. Shared Dispositive Power  3,144,451 shares of Common Stock (2)  11. Aggregate Amount Beneficially Owned by Each Reporting Person  3,144,451 shares of Common Stock (2)  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)  □  13. Percent of Class Represented by Amount in Row 11  8.6% (3)  14. Type of Reporting Person (see instructions)		Delaw	are				
Shares Beneficially Owned by Each Reporting Person With  10. Shared Dispositive Power 3,144,451 shares of Common Stock (2)  11. Aggregate Amount Beneficially Owned by Each Reporting Person 3,144,451 shares of Common Stock (2)  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)  13. Percent of Class Represented by Amount in Row 11  8.6% (3)  14. Type of Reporting Person (see instructions)			7.	Sole Voting Power			
Beneficially Owned by Each Reporting Person With  10. Shared Dispositive Power  3,144,451 shares of Common Stock (2)  11. Aggregate Amount Beneficially Owned by Each Reporting Person 3,144,451 shares of Common Stock (2)  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)  13. Percent of Class Represented by Amount in Row 11  8.6% (3)  14. Type of Reporting Person (see instructions)	_						
Each Reporting Person With  10. Shared Dispositive Power  3,144,451 shares of Common Stock (2)  11. Aggregate Amount Beneficially Owned by Each Reporting Person  3,144,451 shares of Common Stock (2)  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)  13. Percent of Class Represented by Amount in Row 11  8.6% (3)  14. Type of Reporting Person (see instructions)	Ben	eficially	8.	Shared Voting Power			
Reporting Person With  10. Shared Dispositive Power  11. Aggregate Amount Beneficially Owned by Each Reporting Person  3,144,451 shares of Common Stock (2)  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)  13. Percent of Class Represented by Amount in Row 11  8.6% (3)  14. Type of Reporting Person (see instructions)				3,144,451 shares of Common Stock (2)			
Person With 10. Shared Dispositive Power 3,144,451 shares of Common Stock (2)  11. Aggregate Amount Beneficially Owned by Each Reporting Person 3,144,451 shares of Common Stock (2)  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)  13. Percent of Class Represented by Amount in Row 11  8.6% (3)  14. Type of Reporting Person (see instructions)			9.	Sole Dispositive Power			
With 0  10. Shared Dispositive Power  3,144,451 shares of Common Stock (2)  11. Aggregate Amount Beneficially Owned by Each Reporting Person  3,144,451 shares of Common Stock (2)  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)  13. Percent of Class Represented by Amount in Row 11  8.6% (3)  14. Type of Reporting Person (see instructions)							
3,144,451 shares of Common Stock (2)  11. Aggregate Amount Beneficially Owned by Each Reporting Person  3,144,451 shares of Common Stock (2)  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)  □  13. Percent of Class Represented by Amount in Row 11  8.6% (3)  14. Type of Reporting Person (see instructions)							
<ul> <li>11. Aggregate Amount Beneficially Owned by Each Reporting Person 3,144,451 shares of Common Stock (2)</li> <li>12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)  □</li> <li>13. Percent of Class Represented by Amount in Row 11  8.6% (3)</li> <li>14. Type of Reporting Person (see instructions)</li> </ul>			10.	Shared Dispositive Power			
<ul> <li>11. Aggregate Amount Beneficially Owned by Each Reporting Person 3,144,451 shares of Common Stock (2)</li> <li>12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)  □</li> <li>13. Percent of Class Represented by Amount in Row 11  8.6% (3)</li> <li>14. Type of Reporting Person (see instructions)</li> </ul>				3,144,451 shares of Common Stock (2)			
<ul> <li>12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)</li> <li>□</li> <li>13. Percent of Class Represented by Amount in Row 11</li> <li>8.6% (3)</li> <li>14. Type of Reporting Person (see instructions)</li> </ul>	11.	Aggre	gate A				
<ul> <li>12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)</li> <li>□</li> <li>13. Percent of Class Represented by Amount in Row 11</li> <li>8.6% (3)</li> <li>14. Type of Reporting Person (see instructions)</li> </ul>							
13. Percent of Class Represented by Amount in Row 11  8.6% (3)  14. Type of Reporting Person (see instructions)							
13. Percent of Class Represented by Amount in Row 11  8.6% (3)  14. Type of Reporting Person (see instructions)	12.	Check	if the	Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)			
8.6% (3)  14. Type of Reporting Person (see instructions)							
14. Type of Reporting Person (see instructions)	13.	Percen	t of C	lass Represented by Amount in Row 11			
00	14.	Type o	f Rep	orting Person (see instructions)			
		00					

(1) This Schedule 13D is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.

(3) This calculation is based upon 36,765,013 shares of the Issuer's Common Stock outstanding as of November 12, 2020, as reported in the Form 10-Q.

<sup>(2)</sup> These shares are held by Versant VI. LLC VI is the general partner of GP VI, which is the general partner of Versant VI. LLC VI and GP VI share voting and dispositive power over the shares held by Versant VI and as a result may be deemed to have beneficial ownership over such securities.

,							
1.	Name	of Rep	porting Persons				
	Versant Vantage I, L.P.						
2.	Check (a) □		ppropriate Box if a Member of a Group (see instructions)  o) ⊠(1)				
3.	SEC U	SE O	NLY				
4.	Source	of Fu	ands (see instructions)				
	WC						
5.	Check	if Di	sclosure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)				
		1.					
6.	Citizei	iship (	or Place of Organization				
	Delaw	are					
		7.	Sole Voting Power				
	mber of		558,282 shares of Common Stock(2)				
	hares eficially	8.	Shared Voting Power				
	ned by						
	Each		0				
	porting	9.	Sole Dispositive Power				
P	erson With		558,282 shares of Common Stock (2)				
		10.	Shared Dispositive Power				
			0				
11.	Aggre	gate A	mount Beneficially Owned by Each Reporting Person				
	'						
			res of Common Stock (2)				
12.	Check	if the	Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)				
13.	Percen	t of C	lass Represented by Amount in Row 11				
	1.5% (	3)					
14.	Type o	f Rep	orting Person (see instructions)				
	PN						

- (1) This Schedule 13D is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.
- (2) These shares are held by Vantage LP. Vantage LLC is the general partner of Vantage GP, which is the general partner of Vantage LP. Vantage LLC and Vantage GP share voting and dispositive power over the shares held by Vantage LP and as a result may be deemed to have beneficial ownership over such securities.
- (3) This calculation is based upon 36,765,013 shares of the Issuer's Common Stock outstanding as of November 12, 2020, as reported in the Form 10-Q.

1.						
1.	Name	of Rep	oorting Persons			
	Versant Vantage I GP, L.P.					
	Check (a) □		ppropriate Box if a Member of a Group (see instructions) $\boxtimes (1)$			
3.	SEC U	SE O	NLY			
4.	Source	of Fu	nds (see instructions)			
	AF					
5.		if Dis	closure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)			
6.	Citizen	iship c	or Place of Organization			
	Delawa	are				
		7.	Sole Voting Power			
	ber of		0			
Benef	ares ficially	8.	Shared Voting Power			
	ed by		558,282 shares of Common Stock (2)			
	ach orting	9.	Sole Dispositive Power			
	rson					
W	ith .		0			
		10.	Shared Dispositive Power			
			558,282 shares of Common Stock (2)			
11.	Aggreg	gate A	mount Beneficially Owned by Each Reporting Person			
			es of Common Stock (2)			
12.	Check	if the	Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)			
13.	Percen	t of C	lass Represented by Amount in Row 11			
	1.5% (					
14.	Type o	f Repo	orting Person (see instructions)			
	PN					

- (1) This Schedule 13D is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.
- (2) These shares are held by Vantage LP. Vantage LLC is the general partner of Vantage GP, which is the general partner of Vantage LP. Vantage LLC and Vantage GP share voting and dispositive power over the shares held by Vantage LP and as a result may be deemed to have beneficial ownership over such securities.
- (3) This calculation is based upon 36,765,013 shares of the Issuer's Common Stock outstanding as of November 12, 2020, as reported in the Form 10-Q.

,				
1.	1. Name of Reporting Persons			
	Versan	Versant Vantage I GP-GP, LLC		
2.	Check the Appropriate Box if a Member of a Group (see instructions)  (a) □ (b) ⊠(1)			
3.	SEC USE ONLY			
4.	Source of Funds (see instructions)			
	AF			
5.	Check if Disclosure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e)			
6.	Citizenship or Place of Organization			
	Delaware			
	Delaw	7.	Sole Voting Power	
			oble foling force	
Number of			0	
	hares eficially	8.	Shared Voting Power	
	ned by			
	Each		558,282 shares of Common Stock (2)	
Reporting		9.	Sole Dispositive Power	
P	erson			
'	With	10		
		10.	Shared Dispositive Power	
			558,282 shares of Common Stock (2)	
11.	Aggregate Amount Beneficially Owned by Each Reporting Person			
,				
	558,282 shares of Common Stock (2)			
12.	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (see instructions)			
13.	Percent of Class Represented by Amount in Row 11			
	1.507 (2)			
1.4	1.5% (3) Time of Depositing Descen (see instructions)			
14.	Type of Reporting Person (see instructions)			
	00	00		

- (1) This Schedule 13D is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13D.
- (2) These shares are held by Vantage LP. Vantage LLC is the general partner of Vantage GP, which is the general partner of Vantage LP. Vantage LLC and Vantage GP share voting and dispositive power over the shares held by Vantage LP and as a result may be deemed to have beneficial ownership over such securities.
- (3) This calculation is based upon 36,765,013 shares of the Issuer's Common Stock outstanding as of November 12, 2020, as reported in the Form 10-Q.

#### **Explanatory Note:**

This Amendment No 1. ("Amendment") amends and supplements the Schedule 13D originally filed by the Reporting Persons with the United States Securities and Exchange Commission (the "Commission") on July 7, 2020 (the "Original 13D"). Only those items that are hereby reported are amended; all other items reported in the Original 13D remain unchanged. Information given in response to each item shall be deemed incorporated by reference in all other items, as applicable. Capitalized terms not defined in this Amendment have the meanings ascribed to them in the Original 13D.

#### Item 1. Security and Issuer

This joint statement on Schedule 13D/A is filed with respect to the common stock, having no par value of Repare Therapeutics Inc., a corporation organized under the Business Corporations Act (Quèbec) (the "Issuer"), with its principal executive offices located at 7210 Frederick-Banting, Suite 100, St-Laurent, Quèbec, Canada H4S 2A1.

#### **Item 4. Purpose of Transaction**

Solely on behalf of, and only to the extent that it relates to, the Reporting Persons, Item 4 of the Original 13D is hereby amended and supplemented by the addition of the following:

The Reporting Persons have previously reserved the right and continue to reserve the right, based on all relevant factors and subject to applicable law or other restrictions, at any time and from time to time, to acquire additional shares of Common Stock or other securities of the Issuer, dispose of some or all of the shares of Common Stock or other securities of the Issuer that it may own from time to time, in each case in open market or private transactions, block sales or otherwise or pursuant to ordinary stock exchange transactions effected through one or more broker-dealers whether individually or utilizing specific pricing or other instructions (including by means of Rule 10b5-1 programs), and review or reconsider their position, change their purpose, take other actions or formulate and implement plans or proposals with respect to any of the foregoing.

The Reporting Persons intend to review their investment in the Issuer from time to time on the basis of various factors, including the Issuer's business, financial condition, results of operations and prospects, general economic and industry conditions, the securities markets in general and those for the Issuer's stock in particular, as well as other developments.

#### Item 5. Interest in Securities of the Issuer

Solely on behalf of, and only to the extent that it relates to the Reporting Persons, Item 5 of the Original 13D is hereby amended as follows:

- (a) and (b) See Items 7-11 of the cover pages of this Amendment.
- (c) On December 15, 2020, VVC V effected a pro rata distribution without additional consideration of 285,217 shares of Common Stock to its limited partners.

On December 15, 2020, VAF V effected a pro rata distribution without additional consideration of 8,579 shares of Common Stock to its limited partners.

On December 15, 2020, VOA effected a pro rata distribution without additional consideration of 9,497 shares of Common Stock to its limited partners.

On December 15, 2020, VVC CAN effected a pro rata distribution without additional consideration of 21,707 shares of Common Stock to its limited partners.

On January 14, 2021, VVC V effected a pro rata distribution without additional consideration of 153,579 shares of Common Stock to (i) VV V, its general partner and (ii) its limited partners. VV V then effected a pro rata distribution without additional consideration of the shares that it received in connection with such distribution to its members.

On January 14, 2021, VAF V effected a pro rata distribution without additional consideration of 4,620 shares of Common Stock to (i) VV V, its general partner and (ii) its limited partners. VV V then effected a pro rata distribution without additional consideration of the shares that it received in connection with such distribution to its members.

On January 14, 2021, VOA effected a pro rata distribution without additional consideration of 5,113 shares of Common Stock to (i) VV V, its general partner and (ii) its limited partners. VV V then effected a pro rata distribution without additional consideration of the shares that it received in connection with such distribution to its members.

On January 14, 2021, VVC CAN effected a pro rata distribution without additional consideration of 11,688 shares of Common Stock to (i) VV V CAN, its general partner and (ii) its limited partners. VV V CAN then effected a pro rata distribution without additional consideration of the shares that it received in connection with such distribution to its limited partners.

On January 14, 2021, Versant VI effected a pro rata distribution without additional consideration of 275,000 shares of Common Stock to (i) GP VI, its general partner and (ii) its limited partners. GP VI then effected a pro rata distribution without additional consideration of the shares that it received in connection with such distribution to (i) LLC VI, its general partner and (ii) its limited partners. LLC VI then effected a pro rata distribution without additional consideration of the shares that it received in connection with such distribution to its members.

On January 14, 2021, Vantage LP effected a pro rata distribution without additional consideration of 50,000 shares of Common Stock to (i) Vantage GP, its general partner and (ii) its limited partners. Vantage GP then effected a pro rata distribution without additional consideration of the shares that it received in connection with such distribution to (i) Vantage LLC, its general partner and (ii) its limited partners. Vantage LLC then effected a pro rata distribution without additional consideration of the shares that it received in connection with such distribution to its members.

- (d) Under certain circumstances set forth in the respective limited partnership agreements of each of VVC V, VAF V, VOA, VVC CAN, Versant VI and Vantage LP (the "Funds"), the respective general partners and limited partners of the Funds may be deemed to have the right to receive dividends from, or the proceeds from, the sale of shares of the Issuer owned by such entity of which they are a partner.
- (e) Not applicable.

#### **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.

January 25, 2021

## Versant Venture Capital V, L.P.

By: Versant Ventures V, LLC

Its: General Partner

By: /s/ Robin L. Praeger

Robin L. Praeger, Managing Director

#### Versant Affiliates Fund V, L.P.

By: Versant Ventures V, LLC

Its: General Partner

By: /s/ Robin L. Praeger

Robin L. Praeger, Managing Director

## Versant Ophthalmic Affiliates Fund I, L.P.

By: Versant Ventures V, LLC

Its: General Partner

By: /s/ Robin L. Praeger

Robin L. Praeger, Managing Director

#### Versant Ventures V, LLC

By: /s/ Robin L. Praeger

Robin L. Praeger, Managing Director

## Versant Venture Capital V (Canada) LP

By: Versant Ventures V (Canada), L.P.

Its: General Partner

By: Versant Ventures V GP-GP (Canada), Inc.

Its: General Partner

By: /s/ Robin L. Praeger

Robin L. Praeger, Director

## Versant Ventures V GP-GP (Canada), Inc.

By: /s/ Robin L. Praeger

Robin L. Praeger, Director

## Versant Ventures V (Canada), L.P.

By: Versant Ventures V GP-GP (Canada), Inc.

Its: General Partner

By: /s/ Robin L. Praeger

Robin L. Praeger, Director

#### Versant Venture Capital VI, L.P.

By: Versant Ventures VI GP, L.P.

Its: General Partner

By: Versant Ventures VI GP-GP, LLC

Its: General Partner

By: /s/ Robin L. Praeger

Robin L. Praeger, Managing Director

#### Versant Ventures VI GP, L.P.

By: Versant Ventures VI GP-GP, LLC

Its: General Partner

By: /s/ Robin L. Praeger

Robin L. Praeger, Managing Director

## Versant Ventures VI GP-GP, LLC

By: /s/ Robin L. Praeger

Robin L. Praeger, Managing Director

## Versant Vantage I, L.P.

By: Versant Vantage I GP, L.P.

Its: General Partner

By: Versant Vantage I GP-GP, LLC

Its: General Partner

By: /s/ Robin L. Praeger

Robin L. Praeger, Managing Director

#### Versant Vantage I GP, L.P.

By: Versant Vantage I GP-GP, LLC

Its: General Partner

By: /s/ Robin L. Praeger

Robin L. Praeger, Managing Director

## Versant Vantage I GP-GP, LLC

By: /s/ Robin L. Praeger

Robin L. Praeger, Managing Director