
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934

(Amendment No. 8)*

GENEDX HOLDINGS CORP.

(Name of Issuer)

Class A common stock, \$0.0001 par value per share

(Title of Class of Securities)

81663L200

(CUSIP Number)

**CMLS Holdings LLC
c/o Corvex Management LP, 667 Madison Avenue
New York, NY, 10065
(212) 474-6700**

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

05/05/2025

(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 §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box.

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 (however, see the Notes).

SCHEDULE 13D

CUSIP No. 81663L200

Name of reporting person

1

CMLS Holdings LLC

2

Check the appropriate box if a member of a Group (See Instructions)

(a)
 (b)

3 SEC use only
Source of funds (See Instructions)

4 OO

5 Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

Citizenship or place of organization

6 DELAWARE

Sole Voting Power
 7
 0.00
 Number of Shares Beneficially Owned by Each Reporting Person With:

Shared Voting Power
 8
 537,285.00
 Sole Dispositive Power
 9
 0.00
 Shared Dispositive Power
 10
 537,285.00

11 Aggregate amount beneficially owned by each reporting person
537,285.00

12 Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

Percent of class represented by amount in Row (11)

13 1.9 %

14 Type of Reporting Person (See Instructions)
HC, OO

SCHEDULE 13D

CUSIP No. 81663L200

1 Name of reporting person
C-LSH LLC
Check the appropriate box if a member of a Group (See Instructions)

2 (a)
 (b)

3 SEC use only
Source of funds (See Instructions)

4 OO

5 Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

Citizenship or place of organization

6 DELAWARE

Number of 7 Sole Voting Power

Shares	
Beneficially	0.00
Owned by	Shared Voting Power
Each	8
Reporting	537,285.00
Person	Sole Dispositive Power
With:	9
	0.00
	Shared Dispositive Power
	10
	537,285.00
	Aggregate amount beneficially owned by each reporting person
11	537,285.00
	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)
12	<input type="checkbox"/>
	Percent of class represented by amount in Row (11)
13	1.9 %
	Type of Reporting Person (See Instructions)
14	HC, OO

SCHEDULE 13D

CUSIP No. 81663L200

1	Name of reporting person
	M-LSH LLC
	Check the appropriate box if a member of a Group (See Instructions)
2	<input type="checkbox"/> (a)
	<input type="checkbox"/> (b)
3	SEC use only
4	Source of funds (See Instructions)
	OO
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)
	<input type="checkbox"/>
6	Citizenship or place of organization
	DELAWARE
	Sole Voting Power
7	0.00
Number of	Shared Voting Power
Shares	8
Beneficially	537,285.00
Owned by	Sole Dispositive Power
Each	9
Reporting	0.00
Person	Shared Dispositive Power
With:	10
	537,285.00
11	Aggregate amount beneficially owned by each reporting person

537,285.00

Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12

Percent of class represented by amount in Row (11)

13

1.9 %

Type of Reporting Person (See Instructions)

14

HC, OO

SCHEDULE 13D

CUSIP No. 81663L200

Name of reporting person

1

CASDIN CAPITAL, LLC

Check the appropriate box if a member of a Group (See Instructions)

2

(a)

(b)

3

SEC use only

Source of funds (See Instructions)

4

AF

Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5

Citizenship or place of organization

6

DELAWARE

Sole Voting Power

7

0.00

Number of
Shares

Shared Voting Power

Beneficially 8

Owned by

3,507,164.00

Each

Sole Dispositive Power

Reporting 9

Person

0.00

With:

Shared Dispositive Power

10

3,507,164.00

Aggregate amount beneficially owned by each reporting person

11

3,507,164.00

Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12

Percent of class represented by amount in Row (11)

13

12.3 %

Type of Reporting Person (See Instructions)

14

IA

SCHEDULE 13D

CUSIP No. 81663L200

1 Name of reporting person
Casdin Partners FO1-MSV, LP
Check the appropriate box if a member of a Group (See Instructions)

2 (a)
 (b)

3 SEC use only
Source of funds (See Instructions)

4 WC
Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5

6 Citizenship or place of organization
DELAWARE

7 Sole Voting Power
0.00

Number of Shares Beneficially Owned by Each Reporting Person With:

8 Shared Voting Power
0.00

9 Sole Dispositive Power
0.00

10 Shared Dispositive Power
0.00

11 Aggregate amount beneficially owned by each reporting person
0.00

12 Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

13
Percent of class represented by amount in Row (11)
0 %

14 Type of Reporting Person (See Instructions)
PN

SCHEDULE 13D

CUSIP No. 81663L200

1 Name of reporting person
CASDIN PARTNERS MASTER FUND, L.P.
Check the appropriate box if a member of a Group (See Instructions)

2 (a)
 (b)

3 SEC use only
 Source of funds (See Instructions)

4 WC
 Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5
 Citizenship or place of organization

6 CAYMAN ISLANDS

7 Sole Voting Power

Number of Shares Beneficially Owned by Each Reporting Person With: 8 0.00
 Shared Voting Power 3,507,164.00
 Sole Dispositive Power 9 0.00
 Shared Dispositive Power 10 3,507,164.00

11 Aggregate amount beneficially owned by each reporting person
 3,507,164.00

12 Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

13
 Percent of class represented by amount in Row (11)

14 12.3 %
 Type of Reporting Person (See Instructions)

PN

SCHEDULE 13D

CUSIP No. 81663L200

1 Name of reporting person
 Casdin Partners GP, LLC
 Check the appropriate box if a member of a Group (See Instructions)

2 (a)
 (b)

3 SEC use only
 Source of funds (See Instructions)

4 AF
 Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5
 Citizenship or place of organization

6 DELAWARE

Number of Shares Beneficially Owned by Each Reporting Person With: 7 Sole Voting Power 0.00

Owned by Each Reporting Person With:	8	Shared Voting Power
		3,526,411.00
		Sole Dispositive Power
	9	0.00
		Shared Dispositive Power
	10	3,526,411.00
11		Aggregate amount beneficially owned by each reporting person
		3,526,411.00
12		Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)
		<input type="checkbox"/>
13		Percent of class represented by amount in Row (11)
		12.4 %
14		Type of Reporting Person (See Instructions)
		OO

SCHEDULE 13D

CUSIP No. 81663L200

1		Name of reporting person
		CASDIN ELI
		Check the appropriate box if a member of a Group (See Instructions)
2		<input type="checkbox"/> (a)
		<input type="checkbox"/> (b)
3		SEC use only
4		Source of funds (See Instructions)
		AF
5		Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)
		<input type="checkbox"/>
6		Citizenship or place of organization
		UNITED STATES
		Sole Voting Power
	7	32,399.00
		Shared Voting Power
Number of Shares Beneficially Owned by Each Reporting Person With:	8	4,063,696.00
		Sole Dispositive Power
	9	32,399.00
		Shared Dispositive Power
	10	4,063,696.00
11		Aggregate amount beneficially owned by each reporting person
		4,096,095.00
12		Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

Percent of class represented by amount in Row (11)
 13
 14.2 %
 Type of Reporting Person (See Instructions)
 14
 IN, HC

SCHEDULE 13D

CUSIP No. 81663L200

1 Name of reporting person
 Keith A. Meister
 Check the appropriate box if a member of a Group (See Instructions)
 2
 (a)
 (b)
 3 SEC use only
 Source of funds (See Instructions)
 4
 OO
 Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)
 5

 Citizenship or place of organization
 6
 UNITED STATES
 Sole Voting Power
 7
 Number of Shares Beneficially Owned by Each Reporting Person With:
 2,939,965.00
 Shared Voting Power
 8
 537,285.00
 Sole Dispositive Power
 9
 2,939,965.00
 Shared Dispositive Power
 10
 537,285.00
 Aggregate amount beneficially owned by each reporting person
 11
 3,477,250.00
 Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)
 12

 Percent of class represented by amount in Row (11)
 13
 12.1 %
 Type of Reporting Person (See Instructions)
 14
 IN, HC

SCHEDULE 13D

1 Name of reporting person
Corvex Management LP
Check the appropriate box if a member of a Group (See Instructions)

2 (a)
 (b)

3 SEC use only
Source of funds (See Instructions)

4 AF
Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5

6 Citizenship or place of organization
DELAWARE
Sole Voting Power

7 2,908,629.00
Number of Shares Beneficially Owned by Each Reporting Person With: Shared Voting Power

8 0.00
Sole Dispositive Power

9 2,908,629.00
Shared Dispositive Power

10 0.00
Aggregate amount beneficially owned by each reporting person

11 2,908,629.00
Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12

13 Percent of class represented by amount in Row (11)
10.2 %

14 Type of Reporting Person (See Instructions)
IA, PN

SCHEDULE 13D

Item 1. Security and Issuer

Title of Class of Securities:

(a) Class A common stock, \$0.0001 par value per share

Name of Issuer:

(b) GENEDX HOLDINGS CORP.

Address of Issuer's Principal Executive Offices:

(c) 333 Ludlow Street, North Tower, 6th Floor, Stamford, CONNECTICUT , 06902.

Item 1 This Amendment No. 8 (the "Amendment") supplements the information set forth in the Schedule 13D (the **Comment:** "Schedule 13D") filed with the United States Securities and Exchange Commission (the "SEC") on August 2, 2021, as amended as of January 19, 2022, May 3, 2022, December 5, 2022, February 1, 2023, April 20, 2023, November

17, 2023, and May 31, 2024 by CMLS Holdings LLC, Keith Meister, Eli Casdin and the other Reporting Persons named therein, relating to the shares of Class A common stock, par value \$0.0001 per share ("Shares"), of GeneDx Holdings Corp. (formerly known as Sema4 Holdings Corp., the "Issuer"). Capitalized terms used but not defined herein shall have the meanings ascribed to them in the Schedule 13D. The information set forth in response to each separate Item below shall be deemed to be a response to all Items where such information is relevant. Item 3 to the Schedule 13D is supplementally amended as follows, and Item 5 to the Schedule 13D is amended and restated as follows. Information with respect to each Reporting Person is given solely by such Reporting Person and no Reporting Person assumes responsibility for the accuracy or completeness of the information furnished by another Reporting Person, except as otherwise provided in Rule 13d-1(k).

Item 3. Source and Amount of Funds or Other Consideration

The information set forth in Item 5(c) is hereby incorporated by reference into this Item 3. On June 3, 2024, Casdin Partners Master Fund, LP acquired 100,000 Shares for an aggregate purchase price of \$2,081,640. On June 4, 2024, Casdin Partners Master Fund, LP acquired 30,000 Shares for an aggregate purchase price of \$675,477. On August 1, 2024, Casdin Partners FO1-MSV, LP transferred 413,655 Shares in a cross-trade to Casdin Partners Master Fund, L.P. for an aggregate purchase price of \$13,340,373.75.

Item 5. Interest in Securities of the Issuer

The information set forth in the facing pages of this Schedule 13D with respect to the sole and shared beneficial ownership and percentage of beneficial ownership of Shares by the Reporting Persons is hereby incorporated by reference into this Item 5. The information in Item 5(b) below is hereby incorporated by reference into this Item 5(a).

- (a) References to percentage ownership of Shares in this Statement are based upon the 28,533,204 Shares stated to be outstanding as of April 23, 2025 in the Issuer's Form 10-Q filed with the SEC on April 30, 2025. The filing of this Statement shall not be construed as an admission that a Reporting Person beneficially owns those Shares held by any other Reporting Person.

Eli Casdin has the sole power to vote or direct the vote and sole power to dispose or to direct the disposition of 32,399 Shares and shared power to vote or to direct the vote and shared power to dispose or to direct the disposition of 4,063,696 Shares. The Shares reflected as beneficially owned by Mr. Casdin include 333,144 Shares and 204,141 Shares issuable upon the exercise of 204,141 private placement warrants of the Issuer. On September 3, 2021, each private placement warrant became exercisable to purchase one Share at a price of \$379.50 per share, subject to adjustment, as described in the definitive proxy statement of the Issuer (File No. 001-39482) filed with the SEC on July 2, 2021. CMLS Holdings LLC is the record holder of these Shares and warrants. The Board of Managers of CMLS Holdings LLC is comprised of Mr. Casdin and Mr. Meister who share voting and investment discretion with respect to the Shares held of record by CMLS Holdings LLC. C-LSH LLC and M-LSH LLC are the members of CMLS Holdings LLC, and Mr. Casdin is the managing member of C-LSH LLC. As such, each of the foregoing may be deemed to have or share beneficial ownership of the Shares held directly by CMLS Holdings LLC. Casdin Partners Master Fund, LP is the record holder of 3,507,164 Shares reported herein. Casdin Partners FO1-MSV LP is the record holder of 0 Shares reported herein. Casdin Capital, LLC is the investment adviser to Casdin Partners Master Fund, LP and may be deemed to have or share beneficial ownership of the 3,507,164 Shares held by Casdin Partners Master Fund, LP. Casdin Partners GP, LLC is the general partner of Casdin Partners Master Fund LP and may be deemed to have or share beneficial ownership of the 3,507,164 Shares held by Casdin Partners Master Fund, LP, and Casdin Partners GP, LLC is also the direct beneficial owner of 19,247 Shares. Eli Casdin is the managing member of Casdin Capital, LLC and Casdin Partners GP, LLC. As such, each of the foregoing may be deemed to have or share beneficial ownership of the Shares held directly by Casdin Partners Master Fund, LP and Eli Casdin may be deemed the beneficial owner of the 19,247 Shares held by Casdin Partners GP, LLC. The Shares reflected as

- (b) solely beneficially owned by Mr. Casdin also include 11,882 Shares issuable upon the exercise of fully vested options, 7,593 Shares that were issued upon the vesting of restricted stock units, and 12,924 Shares to be issued upon vesting of restricted stock units within 60 days, in each case that were granted to Mr. Casdin in connection with his service on the board of directors of the Issuer. Keith Meister has the sole power to vote or to direct the vote and sole power to dispose or to direct the disposition of 2,939,965 Shares and shared power to vote or direct the vote and shared power to dispose or to direct the disposition of 537,285 Shares. The Shares reflected as beneficially owned by Mr. Meister include 333,144 Shares and 204,141 Shares issuable upon the exercise of 204,141 private placement warrants of the Issuer. On September 3, 2021, each private placement warrant became exercisable to purchase one Share at a price of \$379.50 per share, subject to adjustment, as described in the definitive proxy statement of the Issuer (File No. 001-39482) filed with the SEC on July 2, 2021. CMLS Holdings LLC is the record holder of these Shares and warrants. The Board of Managers of CMLS Holdings LLC is comprised of Mr. Casdin and Mr. Meister who share voting and investment discretion with respect to the Shares held of record by CMLS Holdings LLC. C-LSH LLC and M-LSH LLC are the members of CMLS Holdings LLC, and Mr. Meister is the managing member of M-LSH LLC. As such, each of the foregoing may be deemed to have or share beneficial ownership of the Shares held directly by CMLS Holdings LLC. The Shares reflected as beneficially owned by Mr. Meister include 2,908,629 Shares owned by investment funds advised by Corvex Management LP, which may be deemed to be indirectly beneficially owned by Keith Meister by virtue of Mr. Meister's control of the general partner of Corvex Management LP. The Shares reflected as beneficially owned by Mr. Meister also include 11,207 Shares issuable upon the exercise of fully vested options, 7,205 Shares that were issued upon the vesting of restricted stock units, and 12,924 Shares to be issued upon vesting of restricted stock units within 60 days, in each case that were granted to Mr. Meister in connection with his service on the board of directors of the Issuer.

- (c) The transactions by the Reporting Persons in the securities of the Issuer during the past sixty days are set forth in Exhibit 99.1. All such transactions were carried out in open market transactions.

- (d) No person other than the Reporting Persons is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the Shares beneficially owned by the Reporting Persons.
- (e) Not applicable.
- Item 7. Material to be Filed as Exhibits.
Exhibit 99.1 Schedule of Transactions in Shares

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.

CMLS Holdings LLC

Signature: /s/ Eli Casdin
Name/Title: Eli Casdin / Manager
Date: 05/07/2025

C-LSH LLC

Signature: /s/ Eli Casdin
Name/Title: Eli Casdin / Managing Member
Date: 05/07/2025

M-LSH LLC

Signature: /s/ Keith A. Meister
Name/Title: Keith A. Meister / Managing Member
Date: 05/07/2025

CASDIN CAPITAL, LLC

Signature: /s/ Eli Casdin
Name/Title: Eli Casdin / Managing Member
Date: 05/07/2025

Casdin Partners FO1-MSV, LP

Signature: /s/ Eli Casdin
Name/Title: Eli Casdin / Managing Member of Casdin Partners GP, LLC, its general partner
Date: 05/07/2025

CASDIN PARTNERS MASTER FUND, L.P.

Signature: /s/ Eli Casdin
Name/Title: Eli Casdin / Managing Member of Casdin Partners GP, LLC, its general partner
Date: 05/07/2025

Casdin Partners GP, LLC

Signature: /s/ Eli Casdin
Name/Title: Eli Casdin / Managing Member
Date: 05/07/2025

CASDIN ELI

Signature: /s/ Eli Casdin
Name/Title: Eli Casdin / Self
Date: 05/07/2025

Keith A. Meister

Signature: /s/ Keith Meister
Name/Title: Keith Meister / Self
Date: 05/07/2025

Corvex Management LP

Signature: /s/ Keith Meister

Name/Title: Keith Meister / Managing Partner

Date: 05/07/2025

Schedule of Transactions in Shares

Date of Transaction	Reporting Person	Title of Class	Number of Shares Acquired	Price Per Share (1)
5/02/2025	Corvex Management LP	Class A Common Stock	158,347	\$63.76
5/05/2025	Corvex Management LP	Class A Common Stock	152,533	\$65.37
5/06/2025	Corvex Management LP	Class A Common Stock	123,968	\$62.45

(1) The prices in each of the following rows are weighted average prices. These shares were purchased in multiple transactions. The Reporting Persons undertake to provide the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares purchased at each separate price.