
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934

(Amendment No. 9)*

GeneDx Holdings Corp.

(Name of Issuer)

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

(Title of Class of Securities)

81663L200

(CUSIP Number)

Eli Casdin and Keith Meister
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)

08/22/2025

(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
 Number of Shares Beneficially Owned by Each Reporting Person With: 0.00
 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)

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
Owned by

8

3,007,164.00

Each
Reporting

9

Sole Dispositive Power

Person
With:

0.00

Shared Dispositive Power

10

3,007,164.00

Aggregate amount beneficially owned by each reporting person

11

3,007,164.00

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

12

Percent of class represented by amount in Row (11)

13

10.5 %

Type of Reporting Person (See Instructions)

14

IA

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
 Sole Voting Power
 7 0.00
 Number of Shares Beneficially Owned by Each Reporting Person With:
 8 Shared Voting Power 3,007,164.00
 9 Sole Dispositive Power 0.00
 10 Shared Dispositive Power 3,007,164.00
 11 Aggregate amount beneficially owned by each reporting person
 3,007,164.00
 12 Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

 13 Percent of class represented by amount in Row (11)
 10.5 %
 14 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

7 Sole Voting Power

Number of Shares Beneficially Owned by Each Reporting Person With: 8 0.00
 Shared Voting Power 3,026,411.00
 Sole Dispositive Power 9 0.00
 Shared Dispositive Power 10 3,026,411.00

11 Aggregate amount beneficially owned by each reporting person
 3,026,411.00

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 10.5 %
 Type of Reporting Person (See Instructions)

OO

SCHEDULE 13D

CUSIP No. 81663L200

1 Name of reporting person
 Eli Casdin
 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 UNITED STATES

Number of Shares Beneficially Owned by Each Reporting Person With: 7 Sole Voting Power 35,975.00

Owned by Each Reporting Person With: 8 Shared Voting Power
 3,563,696.00
 Sole Dispositive Power
 9
 35,975.00
 Shared Dispositive Power
 10
 3,563,696.00
 11 Aggregate amount beneficially owned by each reporting person
 3,599,671.00
 12 Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

 13 Percent of class represented by amount in Row (11)
 12.4 %
 14 Type of Reporting Person (See Instructions)
 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
 4 Source of funds (See Instructions)
 OO
 5 Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

 6 Citizenship or place of organization
 UNITED STATES
 Sole Voting Power
 7
 Number of Shares Beneficially Owned by Each Reporting Person With: 8
 34,912.00
 Shared Voting Power
 3,595,914.00
 Sole Dispositive Power
 9
 34,912.00
 Shared Dispositive Power
 10
 3,595,914.00
 11 Aggregate amount beneficially owned by each reporting person
 3,630,826.00
 12 Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

Percent of class represented by amount in Row (11)
13 12.5 %
Type of Reporting Person (See Instructions)
14 IN, HC

SCHEDULE 13D

CUSIP No. 81663L200

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
4 Source of funds (See Instructions)
AF
5 Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

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
3,058,629.00
9 Sole Dispositive Power
0.00
10 Shared Dispositive Power
3,058,629.00
11 Aggregate amount beneficially owned by each reporting person
3,058,629.00
12 Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

13 Percent of class represented by amount in Row (11)
10.6 %
14 Type of Reporting Person (See Instructions)
IN, PN

SCHEDULE 13D

Item 1. Security and Issuer

Title of Class of Securities:

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

Name of Issuer:

(b) GeneDx Holdings Corp.

Address of Issuer's Principal Executive Offices:

(c) 333 Ludlow Street, North Tower, 8th Floor, Stamford, CONNECTICUT , 06902.

Item 1 Comment: This Amendment No. 9 (the "Amendment") supplements the information set forth in the Schedule 13D (the "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, May 31, 2024 and May 7, 2025 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 and 5 to the Schedule 13D are supplementally amended 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 funds for the purchase of the Shares listed in Exhibit B came from the working capital of Casdin Partners Master Fund, L.P, an investment fund advised by Casdin Capital, LLC, of which Mr. Casdin is the managing member. No borrowed funds were used to purchase the Shares, other than borrowed funds used for working capital purposes in the ordinary course of business.

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 28,726,248 Shares stated to be outstanding as of July 24, 2025 in the Issuer's Form 10-Q filed with the SEC on July 29, 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

(b) Eli Casdin has the sole power to vote or direct the vote and sole power to dispose or to direct the disposition of 35,975 Shares and shared power to vote or to direct the vote and shared power to dispose or to direct the disposition of 3,563,696 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 3,007,164 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 3,007,164 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 3,007,164 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 solely beneficially owned by Mr. Casdin also include 11,882 Shares issuable upon the exercise of fully vested options, 20,518 Shares that were issued upon the vesting of restricted stock units, and 3,576 Shares to be issued upon vesting of restricted stock units, 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 34,912 Shares and shared power to vote or direct the vote and shared power to dispose or to direct the disposition of 3,595,914 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 3,058,629 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, 20,129 Shares that were issued upon the vesting of restricted stock units, and 3,576 Shares to be issued upon vesting of restricted stock units, 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 B. 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 A: Joint Filing Agreement Exhibit B: 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: By: /s/ Eli Casdin
Name/Title: Eli Casdin, Manager
Date: 08/26/2025

C-LSH LLC

Signature: By: /s/ Eli Casdin
Name/Title: Eli Casdin, Managing Member
Date: 08/26/2025

M-LSH LLC

Signature: By: /s/ Keith A. Meister
Name/Title: Keith A. Meister, Managing Member
Date: 08/26/2025

Casdin Capital, LLC

Signature: By: /s/ Eli Casdin
Name/Title: Eli Casdin, Managing Member
Date: 08/26/2025

Casdin Partners Master Fund, L.P.

Signature: By: /s/ Eli Casdin
Name/Title: Eli Casdin, Managing Member of its General Partner
Date: 08/26/2025

Casdin Partners GP, LLC

Signature: By: /s/ Eli Casdin
Name/Title: Eli Casdin, Managing Member
Date: 08/26/2025

Eli Casdin

Signature: By: /s/ Eli Casdin
Name/Title: Eli Casdin
Date: 08/26/2025

Keith A. Meister

Signature: By: /s/ Keith A. Meister

Name/Title: Keith A. Meister

Date: 08/26/2025

Corvex Management LP

Signature: By: /s/ Keith A. Meister

Name/Title: Keith Meister, Managing Partner

Date: 08/26/2025

Comments * This reporting person disclaims beneficial ownership of these reported securities except to the extent of its pecuniary interest therein, and this report shall not be deemed an admission that any such person is the beneficial owner of these securities for purposes of Section 16 of the U.S. Securities Exchange Act of 1934, as amended, or for any other purpose. Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (see 18 U.S.C. 1001).

accompanying signature:

AGREEMENT

The undersigned agree that this Schedule 13D amendment, dated August 26, 2025, relating to the Class A common stock, par value \$0.0001 per share of GeneDx Holdings Corp. shall be filed on behalf of the undersigned.

CMLS Holdings LLC

By Eli Casdin
Eli Casdin, Manager
August 26, 2025

C-LSH LLC

By Eli Casdin
Eli Casdin, Managing Member
August 26, 2025

M-LSH LLC

By Keith A. Meister
Keith A. Meister, Managing Member
August 26, 2025

Casdin Capital, LLC

By Eli Casdin
Eli Casdin, Managing Member
August 26, 2025

Casdin Partners Master Fund, L.P.

By Eli Casdin
Eli Casdin, Managing Member of its General Partner
August 26, 2025

Casdin Partners GP, LLC

By Eli Casdin
Eli Casdin, Managing Member
August 26, 2025

Eli Casdin

By Eli Casdin
Eli Casdin
August 26, 2025

Keith A. Meister

By Keith A. Meister
Keith A. Meister
August 26, 2025

Corvex Management LP

By Keith Meister
Keith Meister, Managing Partner
August 26, 2025

Schedule of Transactions in Shares

<u>Date of Transaction</u>	<u>Title of Class</u>	<u>Number of Shares Acquired</u>	<u>Number of Shares Disposed</u>	<u>Price Per Share</u>
August 22, 2025	Class A common stock, par value \$0.0001 per share		500,000	\$120.9039