

OMB APPROVAL	
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

1. Name and Address of Reporting Person* <u>Casdin Eli</u>			2. Issuer Name and Ticker or Trading Symbol <u>GeneDx Holdings Corp. [WGS]</u>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>05/02/2023</u>			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person			
C/O GENEDX HOLDINGS CORP. 333 LUDLOW ST, NORTH TOWER, 6TH FL.			4. If Amendment, Date of Original Filed (Month/Day/Year)						
(Street)	(City)	(State)	(Zip)						
STAMFORD	CT		06902						

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Class A Common Stock	05/02/2023		M		45,454	A	\$0.00	58,290	D	
Class A Common Stock								87,866,042	I	By Casdin Partners Master Fund, LP ⁽¹⁾
Class A Common Stock								14,285,743	I	By Casdin Partners FO1-MSV, LP ⁽²⁾
Class A Common Stock								10,993,750	I	By CMLS Holdings LLC ⁽³⁾

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Restricted Stock Unit	(4)	05/02/2023		M		45,454		(5)	(5)	Class A Common Stock	45,454	\$0.00	0	D	

Explanation of Responses:

- The 87,866,042 shares of Class A Common Stock reported in the table above are owned directly by Casdin Partners Master Fund, LP and may be deemed to be indirectly beneficially owned by (i) Casdin Capital, LLC, the investment adviser to Casdin Partners Master Fund, LP, (ii) Casdin Partners GP, LLC, the general partner of Casdin Partners Master Fund LP, and (iii) Mr. Casdin, the managing member of Casdin Capital, LLC and Casdin Partners GP, LLC. Each of Casdin Capital, LLC, Casdin Partners GP, LLC and Mr. Casdin disclaims beneficial ownership of such securities except to the extent of its or his respective pecuniary interest therein.
- The 14,285,743 shares of Class A Common Stock reported in the table above are owned directly by Casdin Partners FO1-MSV, LP and may be deemed to be indirectly beneficially owned by (i) Casdin Capital, LLC, the investment adviser to Casdin Partners FO1-MSV, LP, (ii) Casdin Partners GP, LLC, the general partner of Casdin Partners FO1-MSV, LP, and (iii) Mr. Casdin, the managing member of Casdin Capital, LLC and Casdin Partners GP, LLC. Each of Casdin Capital, LLC, Casdin Partners GP, LLC and Mr. Casdin disclaims beneficial ownership of such securities except to the extent of its or his respective pecuniary interest therein.
- The 10,993,750 shares of Class A Common Stock reported in the table above are owned directly by CMLS Holdings LLC ("CMLS Holdings"). The Board of Managers of CMLS Holdings LLC is comprised of Mr. Casdin and Mr. Keith Meister who share voting and investment discretion with respect to the Class A common stock held of record by CMLS Holdings LLC. C-LSH LLC and M-LSH LLC are the members of CMLS Holdings LLC, and Messrs. Casdin and Meister are the managing members of C-LSH LLC and M-LSH LLC, respectively. As such, Mr. Casdin may be deemed to have or share beneficial ownership of the securities held directly by CMLS Holdings LLC. Each of C-LSH LLC and Mr. Casdin disclaims beneficial ownership of these shares except to the extent of its or his respective pecuniary interest therein.
- Each restricted stock unit represents a contingent right to receive 1 share of the Issuer's Class A Common Stock upon settlement for no consideration.
- The underlying shares shall vest on the earlier of the (a) date of the 2023 annual meeting of the Issuer's stockholders, and (b) first anniversary of the grant date, subject to the Reporting Person continuing to provide services to the Issuer on the applicable vesting date.

Remarks:

For avoidance of doubt, all numbers above are presented before giving effect to the 33:1 reverse stock split the Issuer's stockholders approved on April 14, 2023, which was previously disclosed in the Current Reports on Form 8-K filed by the Issuer on April 17, 2023 and April 28, 2023, and which shall become effective on May 4, 2023.

/s/ Eli Casdin

05/04/2023

** Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.