

COMPLETE GENOMICS INC  
 Form 5  
 February 14, 2012

**FORM 5**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).  
 Form 3 Holdings Reported Form 4 Transactions Reported

**ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person \*  
**GORDON CARL L**

2. Issuer Name and Ticker or Trading Symbol  
**COMPLETE GENOMICS INC  
 [GNOM]**

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  
 12/31/2011

Director  10% Owner  
 Officer (give title below)  Other (specify below)

**C/O ORBIMED ADVISORS  
 LLC, 767 THIRD AVENUE, 30TH  
 FLOOR**

(Street)

4. If Amendment, Date Original Filed (Month/Day/Year)

6. Individual or Joint/Group Reporting

(check applicable line)

**NEW YORK, NY 10017**

Form Filed by One Reporting Person  
 Form Filed by More than One Reporting Person

(City) (State) (Zip)

**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 at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
Common Stock, par value \$0.001	11/30/2011		M	1,666 A \$ 0 (1) Price	1,666	D	

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

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SEC 2270 (9-02)

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**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 Underlying Securities (Instr. 3 and 4)	8. Amount or Number of Shares
Restricted Stock Units	\$ 0 <sup>(2)</sup>	11/30/2011	∅	M	∅ 1,666	∅ <sup>(3)</sup> ∅ <sup>(3)</sup>	Common Stock	1,666

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
GORDON CARL L C/O ORBIMED ADVISORS LLC 767 THIRD AVENUE, 30TH FLOOR NEW YORK, NY 10017	∅ X	∅	∅	∅

## Signatures

/s/ Maureen Monahan, Attorney in Fact for Mr. Gordon 02/14/2012

\*\*Signature of Reporting Person
Date

## Explanation of Responses:

- \* 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).
- (1) The shares were acquired upon vesting and conversion of Restricted Stock Units, which were received as a grant for which no consideration was paid.
  - (2) Upon vesting, Reporting Person is entitled to receive one share of common stock for each restricted stock unit.
  - (3) The restricted stock units vest in three successive and equal annual installments measured from November 30, 2010, such that the restricted stock units will vest in full on the third anniversary of November 30, 2010, subject to the Reporting Person's continued employment or service relationship with the Issuer on each of the vesting dates. Such restricted stock units include a change of control provision such that all unvested awards will immediately vest and become exercisable in connection with a change of control of Issuer.

Note: File three copies of this Form, one of which must be manually signed. If space provided is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.