

Renaissance

November 30, 2017

To: The Manager
Company Announcements Office
ASX Limited
Exchange Centre
20 Bridge Street
Sydney NSW 2000

The Company Secretary
Genetic Technologies Limited
60 – 66 Hanover Street
Fitzroy VIC 3065

Dear Sir/Madam:

Renaissance Technologies LLC - Notice of Initial Substantial Holding in Genetic Technologies Limited ("Genetic Technologies")

We attach a notification of initial substantial holding of shares in Genetic Technologies on behalf of Renaissance Technologies LLC ("**Renaissance**").

We note that the notice has not been submitted in accordance with the required timing under the *Corporations Act 2001* (Cth) ("**Act**"). This omission is due to a systems error and Renaissance has sought to rectify matters expeditiously since its discovery of the omission. To assist in understanding the position, we have set out below the pertinent background.

Background

We are the sponsor and investment manager of a number of investment fund complexes (the **Funds**) that trade globally in a variety of financial instruments, based on data feeds from computer-generated algorithms which we have developed over time. Our investment management activities in Genetic Technologies are conducted through American Depositary Receipts (**ADRs**).

Running in parallel to the algorithmic trading systems which determine trading activities is a proprietary reporting system (the **Reporting System**) which highlights positions globally in which the underlying Funds and/or, where applicable, as investment manager to those Funds, we are required to file position holding reports with the relevant company and/or regulator as a consequence of the size of the relevant Fund's holding (or the aggregate holding of the Funds managed by us) crossing relevant percentage holding thresholds.

Reporting omission in respect of Genetic Technologies

Due to a technical error in its coding, unfortunately the Reporting System did not properly capture positions held via ADRs in Genetic Technologies, and as a consequence the Reporting System did not flag the need to make any notifications in Australia concerning Genetic Technologies.

Renaissance Technologies LLC
800 Third Avenue • New York • New York • 10022-7604
212-829-4460 Fax: 212-758-7136

Renaissance currently holds a 6.09% aggregate shareholding in Genetic Technologies, as disclosed in the **attached** ASIC Form 603, after becoming a substantial shareholder on 9 March 2017. We can confirm that this interest has not been acquired for the purposes of a control transaction.

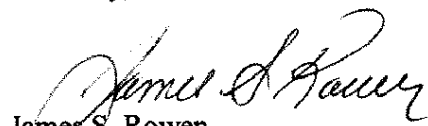
This coding error was discovered during a recent review of the Reporting System and we have immediately sought to make the appropriate disclosure to the ASX. We can also confirm that our Reporting System has been updated appropriately to correct the coding error.

We would like to take this opportunity to apologize for any inadvertent breaches of the Act as a consequence of this isolated technical shortcoming in our Reporting System.

It was, and is, always our intention to comply with all relevant rules in Australia (and elsewhere) relating to substantial shareholding reporting. We take our obligations to comply with pertinent regulatory obligations very seriously; something which we hope you will agree is clearly demonstrated by the speed and pro-active nature with which we have notified you of the situation that has arisen.

To the extent that you would like any further information on any of the above or would like to discuss any related matters, please don't hesitate to contact our Australian counsel, King & Wood Mallesons (diana.nicholson@au.kwm.com).

Sincerely,



James S. Rowen
Chief Operating Officer
Renaissance Technologies LLC

Form 603

Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme Genetic Technologies Limited

ACN/ARSN ACN 009 212 328

1. Details of substantial holder (1)

Name Renaissance Technologies LLC

ACN/ARSN (if applicable) n/a

The holder became a substantial holder on 09 / 03 / 17

Note: We note that this Form sets out our holding as at 30 November 2017.

2. Details of voting power

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in on the date the substantial holder became a substantial holder are as follows:

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
Ordinary Shares	148,392,000	148,392,000	6.09%

3. Details of relevant interests

The nature of the relevant interest the substantial holder or an associate had in the following voting securities on the date the substantial holder became a substantial holder are as follows:

Holder of relevant interest	Nature of relevant interest (7)	Class and number of securities
Renaissance Technologies LLC	Relevant interest under s 608(3) of the Corporations Act 2001 (Cth)	148,392,000 ordinary shares
GF Trading LLC	Relevant interest under s 608(1)(a) of the Corporations Act 2001 (Cth)	45,105,000 ordinary shares
RIDGE Master Trading LP	Relevant interest under s 608(1)(a) of the Corporations Act 2001 (Cth)	9,570,000 ordinary shares
RIEF RMP LLC	Relevant interest under s 608(1)(a) of the Corporations Act 2001 (Cth)	24,264,000 ordinary shares
RIEF Trading LLC	Relevant interest under s 608(1)(a) of the Corporations Act 2001 (Cth)	69,453,000 ordinary shares

4. Details of present registered holders

The persons registered as holders of the securities referred to in paragraph 3 above are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Class and number of securities
GF Trading LLC, Renaissance Technologies LLC	GF Trading LLC	GF Trading LLC	45,105,000 ordinary shares
RIDGE Master Trading LP, Renaissance Technologies LLC	RIDGE Master Trading LP	RIDGE Master Trading LP	9,570,000 ordinary shares
RIEF RMP LLC, Renaissance Technologies LLC	RIEF RMP LLC	RIEF RMP LLC	24,264,000 ordinary shares
RIEF Trading LLC, Renaissance Technologies LLC	RIEF Trading LLC	RIEF Trading LLC	69,453,000 ordinary shares

5. Consideration

The consideration paid for each relevant interest referred to in paragraph 3 above, and acquired in the four months prior to the day that the substantial holder became a substantial holder is as follows:

PLEASE REFER TO ANNEXURE A

Holder of relevant interest	Date of acquisition	Consideration (9)		Class and number of securities

6. Associates

The reasons the persons named in paragraph 3 above are associates of the substantial holder are as follows:

Name and ACN/ARSN (if applicable)	Nature of association
GF Trading LLC	GF Trading LLC and Renaissance Technologies LLC are associated by virtue of section 12(2) of the Corporations Act 2001 (Cth).
RIDGE Master Trading LP	RIDGE Master Trading LP and Renaissance Technologies LLC are associated by virtue of section 12(2) of the Corporations Act 2001 (Cth).
RIEF RMP LLC	RIEF RMP LLC and Renaissance Technologies LLC are associated by virtue of section 12(2) of the Corporations Act 2001 (Cth).
RIEF Trading LLC	RIEF Trading LLC and Renaissance Technologies LLC are associated by virtue of section 12(2) of the Corporations Act 2001 (Cth).

7. Addresses

The addresses of persons named in this form are as follows:

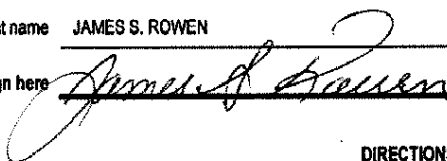
Name	Address
Renaissance Technologies LLC	800 Third Avenue, New York, NY 10022 USA
GF Trading LLC	c/o Renaissance Technologies LLC, 800 Third Avenue, New York, NY 10022 USA
RIDGE Master Trading LP	c/o Renaissance Technologies LLC, 800 Third Avenue, New York, NY 10022 USA
RIEF RMP LLC	c/o Renaissance Technologies LLC, 800 Third Avenue, New York, NY 10022 USA
RIEF Trading LLC	c/o Renaissance Technologies LLC, 800 Third Avenue, New York, NY 10022 USA

Signature

print name JAMES S. ROWEN

Capacity CHIEF OPERATING OFFICER

sign here



date 30 / 11 / 2017

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant interests (eg a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 7 of the form.
- (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (4) The voting shares of a company constitute one class unless divided into separate classes.
- (5) The total number of votes attached to all the voting shares in the company or voting interests in the scheme (if any) that the person or an associate has a relevant interest in.
- (6) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (7) Include details of:
 - (a) any relevant agreement or other circumstances by which the relevant interest was acquired. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
 - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).

See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.
- (8) If the substantial holder is unable to determine the identity of the person (eg if the relevant interest arises because of an option) write "unknown".

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- (9) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.

RENAISSANCE TECHNOLOGIES LLC

ANNEXURE A**Genetic Technologies Limited (ACN 009 212 328)**

Holder of relevant interest	Date of acquisition	Consideration	Class and number of securities*
RIEF Trading LLC	20170731	1.1638	400
GF Trading LLC	20170731	1.1641	200
RIEF RMP LLC	20170731	1.1763	100
Renaissance Technologies LLC	20170731	1.1657	700
RIDGE Master Trading LP	20170801	1.1236	100
RIEF Trading LLC	20170801	1.1271	400
GF Trading LLC	20170801	1.1411	300
RIEF RMP LLC	20170801	1.1374	100
Renaissance Technologies LLC	20170801	1.1325	900
RIEF Trading LLC	20170802	1.1696	400
GF Trading LLC	20170802	1.1628	200
RIEF RMP LLC	20170802	1.1628	100
Renaissance Technologies LLC	20170802	1.1667	700
RIDGE Master Trading LP	20170803	1.1639	100
RIEF Trading LLC	20170803	1.1628	400
GF Trading LLC	20170803	1.1628	200
RIEF RMP LLC	20170803	1.1765	100
Renaissance Technologies LLC	20170803	1.1646	800
RIEF Trading LLC	20170804	1.1799	400
GF Trading LLC	20170804	1.1765	200
RIEF RMP LLC	20170804	1.1895	100
Renaissance Technologies LLC	20170804	1.1803	700
RIDGE Master Trading LP	20170807	1.2136	100
RIEF Trading LLC	20170807	1.215	400
GF Trading LLC	20170807	1.2275	300
RIEF RMP LLC	20170807	1.2346	100
Renaissance Technologies LLC	20170807	1.2212	900
RIDGE Master Trading LP	20170808	1.235	100
RIEF Trading LLC	20170808	1.2348	600
GF Trading LLC	20170808	1.2375	300
RIEF RMP LLC	20170808	1.2349	200
Renaissance Technologies LLC	20170808	1.2355	1200
RIDGE Master Trading LP	20170809	1.2658	100
RIEF Trading LLC	20170809	1.2658	600
GF Trading LLC	20170809	1.2658	300
RIEF RMP LLC	20170809	1.2658	200
Renaissance Technologies LLC	20170809	1.2658	1200
RIDGE Master Trading LP	20170810	1.2658	100
RIEF Trading LLC	20170810	1.2605	600
GF Trading LLC	20170810	1.2658	300
RIEF RMP LLC	20170810	1.2658	100
Renaissance Technologies LLC	20170810	1.2629	1100
RIDGE Master Trading LP	20170811	1.25	100
RIEF Trading LLC	20170811	1.2572	600

RENAISSANCE TECHNOLOGIES LLC

ANNEXURE A**Genetic Technologies Limited (ACN 009 212 328)**

Holder of relevant interest	Date of acquisition	Consideration	Class and number of securities*
GF Trading LLC	20170811	1.25	300
RIEF RMP LLC	20170811	1.2658	200
Renaissance Technologies LLC	20170811	1.2562	1200
RIDGE Master Trading LP	20170814	1.2195	100
RIEF Trading LLC	20170814	1.2195	600
GF Trading LLC	20170814	1.2195	400
RIEF RMP LLC	20170814	1.2195	200
Renaissance Technologies LLC	20170814	1.2195	1300
RIDGE Master Trading LP	20170815	1.2195	100
RIEF Trading LLC	20170815	1.2195	500
GF Trading LLC	20170815	1.2245	300
RIEF RMP LLC	20170815	1.2195	100
Renaissance Technologies LLC	20170815	1.221	1000
RIDGE Master Trading LP	20170816	1.2658	100
RIEF Trading LLC	20170816	1.2658	500
GF Trading LLC	20170816	1.2658	300
RIEF RMP LLC	20170816	1.2658	200
Renaissance Technologies LLC	20170816	1.2658	1100
RIDGE Master Trading LP	20170817	1.2195	100
RIEF Trading LLC	20170817	1.2195	500
GF Trading LLC	20170817	1.2195	300
RIEF RMP LLC	20170817	1.2109	100
Renaissance Technologies LLC	20170817	1.2187	1000
RIDGE Master Trading LP	20170818	1.2195	100
RIEF Trading LLC	20170818	1.2195	400
GF Trading LLC	20170818	1.2097	300
RIEF RMP LLC	20170818	1.2195	100
Renaissance Technologies LLC	20170818	1.2162	900
RIDGE Master Trading LP	20170821	1.2225	100
RIEF Trading LLC	20170821	1.2218	400
GF Trading LLC	20170821	1.2389	200
RIEF RMP LLC	20170821	1.2225	100
Renaissance Technologies LLC	20170821	1.2262	800
RIDGE Master Trading LP	20170822	1.2195	100
RIEF Trading LLC	20170822	1.2337	500
GF Trading LLC	20170822	1.2537	300
RIEF RMP LLC	20170822	1.25	200
Renaissance Technologies LLC	20170822	1.2407	1100
RIDGE Master Trading LP	20170823	1.2415	100
RIEF Trading LLC	20170823	1.2255	500
GF Trading LLC	20170823	1.2298	300
RIEF RMP LLC	20170823	1.227	200
Renaissance Technologies LLC	20170823	1.2284	1100
RIDGE Master Trading LP	20170824	1.2048	100

RENAISSANCE TECHNOLOGIES LLC

ANNEXURE A**Genetic Technologies Limited (ACN 009 212 328)**

Holder of relevant interest	Date of acquisition	Consideration	Class and number of securities*
RIEF Trading LLC	20170824	1.2107	500
GF Trading LLC	20170824	1.2146	300
RIEF RMP LLC	20170824	1.2195	100
Renaissance Technologies LLC	20170824	1.2121	1000
RIEF Trading LLC	20170825	1.3271	400
GF Trading LLC	20170825	1.3333	200
RIEF RMP LLC	20170825	1.3333	100
Renaissance Technologies LLC	20170825	1.3298	700
RIDGE Master Trading LP	20170828	1.292	100
RIEF Trading LLC	20170828	1.2887	500
GF Trading LLC	20170828	1.2866	300
RIEF RMP LLC	20170828	1.3029	200
Renaissance Technologies LLC	20170828	1.291	1100
RIDGE Master Trading LP	20170829	1.266	100
RIEF Trading LLC	20170829	1.2716	500
GF Trading LLC	20170829	1.2768	300
RIEF RMP LLC	20170829	1.266	100
Renaissance Technologies LLC	20170829	1.272	1000
RIEF Trading LLC	20170830	1.2692	400
GF Trading LLC	20170830	1.25	200
RIEF RMP LLC	20170830	1.2658	100
Renaissance Technologies LLC	20170830	1.2632	700
RIDGE Master Trading LP	20170831	1.3158	100
RIEF Trading LLC	20170831	1.2979	500
GF Trading LLC	20170831	1.2837	300
RIEF RMP LLC	20170831	1.3004	100
Renaissance Technologies LLC	20170831	1.2956	1000
RIDGE Master Trading LP	20170901	1.3333	100
RIEF Trading LLC	20170901	1.3001	600
GF Trading LLC	20170901	1.308	400
RIEF RMP LLC	20170901	1.3373	200
Renaissance Technologies LLC	20170901	1.3107	1300
RIDGE Master Trading LP	20170905	1.3004	100
RIEF Trading LLC	20170905	1.3129	600
GF Trading LLC	20170905	1.2998	300
RIEF RMP LLC	20170905	1.3158	200
Renaissance Technologies LLC	20170905	1.309	1200
RIDGE Master Trading LP	20170906	1.2987	100
RIEF Trading LLC	20170906	1.3072	600
GF Trading LLC	20170906	1.3102	300
RIEF RMP LLC	20170906	1.3158	100
Renaissance Technologies LLC	20170906	1.308	1100
RIDGE Master Trading LP	20170907	1.2987	100
RIEF Trading LLC	20170907	1.3004	600

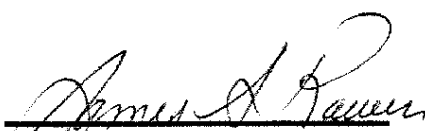
RENAISSANCE TECHNOLOGIES LLC

ANNEXURE A**Genetic Technologies Limited (ACN 009 212 328)**

Holder of relevant interest	Date of acquisition	Consideration	Class and number of securities*
GF Trading LLC	20170907	1.3001	300
RIEF RMP LLC	20170907	1.3016	100
Renaissance Technologies LLC	20170907	1.3003	1100
RIDGE Master Trading LP	20170908	1.2658	100
RIEF Trading LLC	20170908	1.2601	500
GF Trading LLC	20170908	1.2766	300
RIEF RMP LLC	20170908	1.2821	200
Renaissance Technologies LLC	20170908	1.269	1100
RIDGE Master Trading LP	20170911	1.2048	100
RIEF Trading LLC	20170911	1.2081	500
GF Trading LLC	20170911	1.2121	300
RIEF RMP LLC	20170911	1.2048	100
Renaissance Technologies LLC	20170911	1.2086	1000
RIDGE Master Trading LP	20170912	1.2661	100
RIEF Trading LLC	20170912	1.247	500
GF Trading LLC	20170912	1.2346	200
RIEF RMP LLC	20170912	1.2661	100
Renaissance Technologies LLC	20170912	1.2484	900
RIDGE Master Trading LP	20170913	1.1905	100
RIEF Trading LLC	20170913	1.182	500
GF Trading LLC	20170913	1.1952	300
RIEF RMP LLC	20170913	1.177	100
Renaissance Technologies LLC	20170913	1.1863	1000
PLEASE NOTE: There were no purchases after September 13, 2017.			

* This table discloses ADR units only, and each ADR unit is equivalent to 150 shares.

This is annexure A of 4 pages referred to in section 5 of ASIC Form 603 - Notice of Initial Substantial Holder in Genetic Technologies Limited, dated November 30, 2017.


James S. Rowen**Chief Operating Officer****Renaissance Technologies LLC****November 30, 2017****Date**