

Filed on behalf of: Junior Party **FAN**

Paper No. _____

By: R. Danny Huntington, Esq.
Sharon E. Crane, Ph.D., Esq.
ROTHWELL, FIGG, ERNST & MANBECK, P.C.
607 14th St., N.W., Suite 800
Washington, DC 20005
dhuntington@rfem.com
scrane@rfem.com
Main Telephone: (202) 783-6040
Main Facsimile: (202) 783-6031

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

HEI-MUN CHRISTINA **FAN** and STEPHEN QUAKE
Junior Party
(Patent 8,195,415),

v.

YUK-MING DENNIS **LO**, ROSSA WAI KWUN CHIU, and KWAN CHEE CHAN
Senior Party
(Application 13/070,266),

Patent Interference No. 105,922 (DK)
(Technology Center 1600)

FAN PRIORITY STATEMENT

1 MAIL STOP INTERFERENCE
2 United States Patent and Trademark Office
3 Patent Trial and Appeal Board
4 Madison Building East
5 600 Dulany Street
6 Alexandria, Virginia 22313

7 Pursuant to Bd.R. 204(a)(1), Junior Party Fan (“Fan”) hereby sets forth the basis upon
8 which Fan intends to establish its entitlement to judgment on priority.

9
10 ***Date and Location of Fan’s Earliest Corroborated Conception***

11 Pursuant to Bd.R. 204(a)(2)(i), Fan intends to prove a date of earliest corroborated
12 conception in the United States of on or about December 18, 2007. Exhibit A is a copy of the
13 earliest document upon which Fan will rely to show conception.

14
15 ***Date and Location of Earliest Corroborated Actual Reduction to Practice***

16 Pursuant to Bd.R. 204(a)(2)(ii), Fan intends to prove a date of corroborated actual
17 reduction to practice in the United States of on or about March 24, 2008.

18
19 ***Earliest Corroborated Date on Which Diligence Began***

20 Pursuant to Bd.R. 204(a)(2)(iii), Fan intends to prove diligence beginning on or about
21 December 18, 2007.

22
23 ***A Copy of the Earliest Document Relied Upon to Show Conception***

24 Pursuant to Bd.R. 204(a)(2)(iv), Fan hereby provides, as an attachment to this Priority
25 Statement, a copy of the earliest document upon which Fan intends to rely to show conception.
26 (Exhibit A).

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Date: July 31, 2013

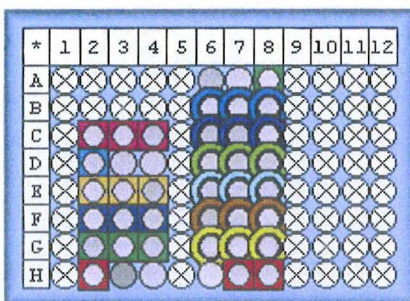
Respectfully submitted,

By: /s/ R. Danny Huntington
R. Danny Huntington, Reg. No. 27,903
Sharon E. Crane, Ph.D., Reg. No. 36,113
Rothwell, Figg, Ernst & Manbeck, P.C.
607 14th St., N.W., Suite 800
Washington, DC 20005

Counsel for Junior Party Fan

EXHIBIT A

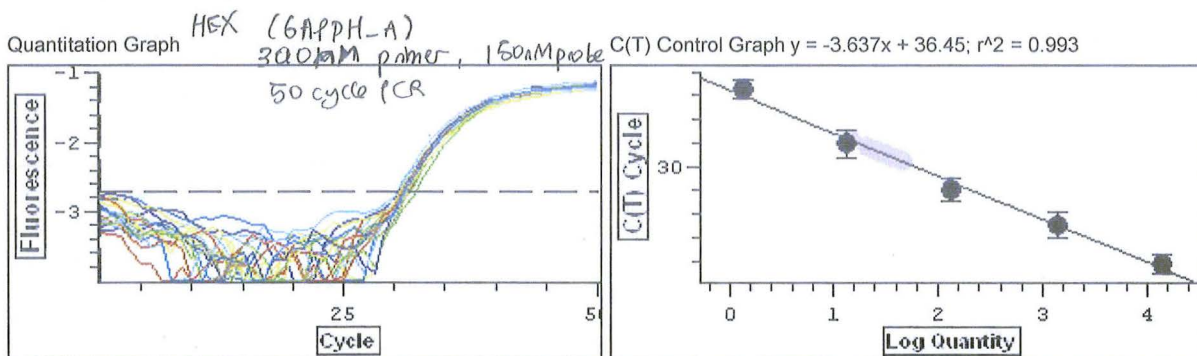
12/18/2007



evaporated wells are not included in analysis

User: Shared
 Data File: C:\Documents and Settings\Yann\My Documents\Down Syndrome Diagnostics\Real-Time PCR\ 20071218_P27-P37.tad
 Active Dye: (HEX)
 C(T) Threshold: 0.002010
 Threshold has been set manually.

800ul plasma → 50ul Buffer AE (extracted 12/17/2007)
 2.5ul template (both samples + std)



Note

Set	Dye	Efficiency	C(t)	copies	Avg C(t)	Max C(t)	Min C(t)	C(t) SD	Avg copies	Max copies	Min copies	copies SD
NTC	HEX	N/A	N/A	N/A	49.49	49.49	49.49	0.00	0.0002592	0.0002592	0.0002592	0
P27	HEX	68.82	30.43	45.18	30.42	30.55	30.29	0.13	45.49	49.17	41.81	3.68
P28	HEX	68.44	31.00	31.44	31.06	31.32	30.65	0.30	30.78	39.28	25.62	6.054
P30	HEX	64.42	31.07	30.12	31.10	31.30	30.97	0.14	29.57	31.97	25.92	2.621
P31	HEX	65.54	30.46	44.13	30.47	30.55	30.43	0.05	44	45.06	41.93	1.463
P32	HEX	68.30	31.72	19.92	31.75	32.21	31.38	0.35	19.98	24.7	14.59	4.158
P35	HEX	69.37	31.00	31.5	31.05	31.61	30.50	0.45	31.79	43.26	21.41	8.956
P36	HEX	73.84	31.11	29.24	31.13	31.34	30.79	0.24	29.37	35.89	25.33	4.656
P37	HEX	77.50	30.50	43.18	30.50	30.50	30.50	0.00	43.18	43.18	43.18	0
std 1	HEX	83.83	21.83	1.364e+004	21.83	21.83	21.83	0.00	1.364e+004	1.364e+004	1.364e+004	0
std 2	HEX	76.12	25.07	1364	25.06	25.40	24.72	0.28	1364	1364	1364	0
std 3	HEX	60.36	28.13	136	28.10	28.28	27.90	0.16	136	136	136	0
std 4	HEX	47.07	31.92	13.6	32.00	32.52	31.56	0.39	13.6	13.6	13.6	0
std 5	HEX	92.31	36.47	1.36	36.47	36.47	36.47	0.00	1.36	1.36	1.36	0

plasma DNA con²:

std 1 quantified as 18ng/ml (Nanodrop)

$$\text{copy \#} = \frac{18 \cdot 2.5 \cdot 2}{6.6 \times 10^{-3}} = 13636 \text{ copies}$$

10-fold dilution series.

P27: 1137 copies/ml plasma

P28: 769.5 copies/ml plasma

P30: 739 copies/ml plasma

P31: 1100 copies/ml plasma

P32: 500 copies/ml plasma

P35: 795 copies/ml plasma

P36: 734 copies/ml plasma

P37: 1080 copies/ml plasma

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