

 **National® Brand**

COMPUTATION NOTEBOOK

Department BIOENGINEERING

Subject 4 (April 2008 - Oct 2008)

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Address CLARK E300 (EQUAKE LAB)

43-648

75 Sheets, 4 x 4 Quad., 11 3/4" x 9 1/4"

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STANFORD EXHIBIT 2110
SEQUENOM v. STANFORD
CASE IPR2013-00390

Zimmermann's data

GE calculations: 0.465 ul DNA per panel, 2000 ul plasma -> 25 ul elution --> 37.2 ul plasma per panel --> GE/ml = count/2/3(colors)/37.2*1000

large volume plasma test kit

Panel ID	Sample Name	Inf FAM-MGB Type	total	GE / ml plasma	copies/ml
1	S01	C1	208	932	
2	S02	C2	229	1026	
3	S03	17 lv old	101	453	900
4	S04	37 lv old	315	1411	2800
5	S05	3 lv	62	278	560
6	S06	13 lv	148	663	1300
7	S07	14 lv	175	784	
8	S08	16 lv	74	332	
9	S09	17 lv	56	251	
10	S10	19 lv	182	815	
11	S11	22 lv	182	815	
12	S12	28 lv	97	435	
			1392	624	1248

Madiery Nagel Plasma XS

240 µl → 5-25 µl



length

Extraction of plasma DNA from patient 25 (P25)
for 454 sequencing

April 11, 2009

male singleton pregnancy, normal

previously, extracted DNA from 3.2ml plasma
eluted in 50ul.

else remaining 4 tubes (4 x 800ul
of plasma = 3.2ml plasma)

400ul plasma/column.

eluted in 20ul buffer EB (MinElute)

thus, total of 6.4ml plasma

→ ~160 ul buffer

~~for~~

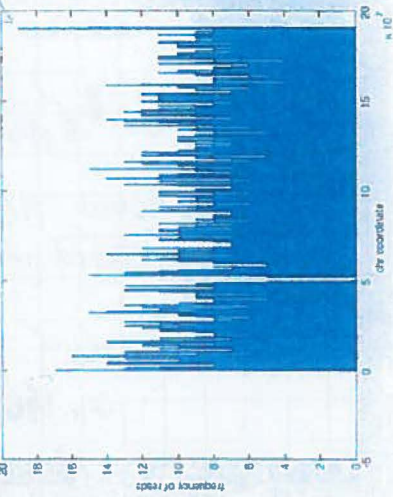
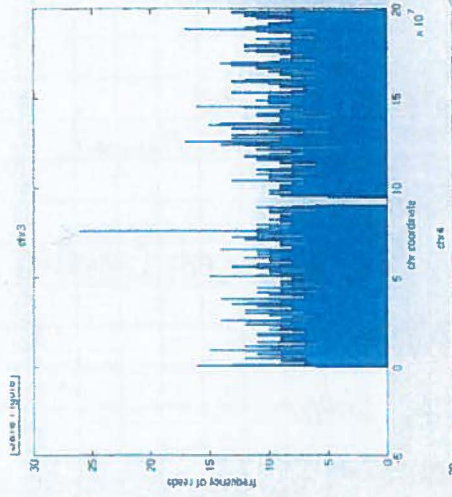
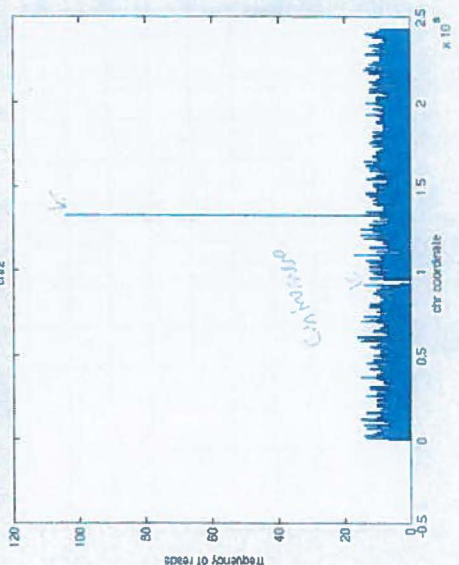
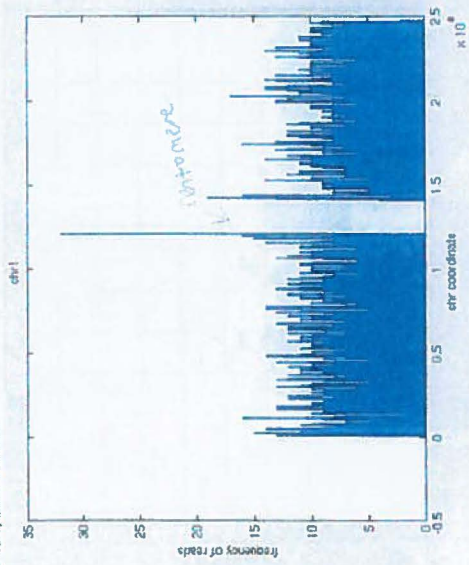
used 140 ul for 454 library prep.

20 ul saved for qPCR quantitation.

P25, 454 sequencing on 4/23/08 by Rick White.

Sequence Coverage
Across Chr.

P25 454, Bin: 100000

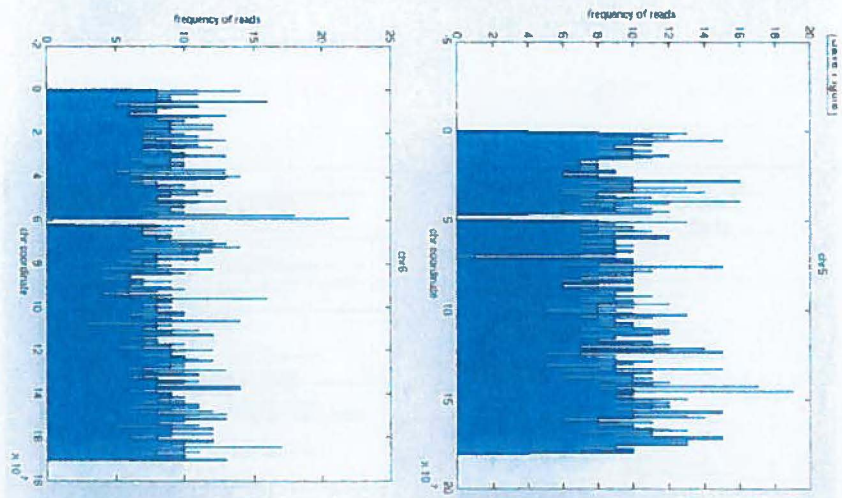


median
reads in population
22.5

28

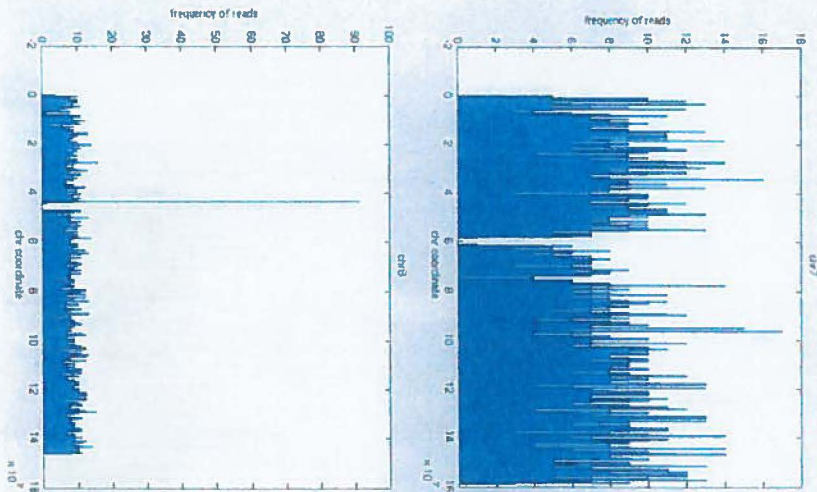
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