

Peak Data										Normalized Peak Area							
No.	Label	Size	Ref. size	Size diff.	MRC size	Height	Width	Area	Peak Area	Ref. Mean	Ref. SD	Ref. Weigh	Position p-tel band	Dist. Ratio	1.0 in SD	low high	
9	64 -	59.84	60.25	-0.41	64	407	18.5	7543	1.063	0.669	0.156	0.75	64 nt	1.59	2.5		
10	70 -	66.05	66.28	-0.23	70	342	16.5	5639	0.794	0.882	0.133	1.15	70 nt	0.90	-0.7	.	
11	76 -	72.24	72.35	-0.11	76	333	21.6	7209	1.015	1.172	0.188	1.09	76 nt	0.87	-0.8	.	
12	82 -	78.50	78.58	-0.08	82	418	19.2	8005	1.128	1.267	0.217	1.02	82 nt	0.89	-0.6	.	
Ctrl: Q-fragments					Mean	375	19.0	7099	1.000	0.997	0.174	1.00	(CV: 0.31)	1.02			
14	2 A	90.23	90.30	-0.07	94	2694	9.7	25999	0.884	0.778	0.083	1.00	2q14 synt.	1.14	1.3	.	
Synthetic control probe					Mean	2694	9.7	25999	0.884	0.778	0.083	1.00	(CV:)	1.14			
18	13 A	145.90	145.99	-0.09	148	3347	9.4	31440	1.069	1.083	0.041	1.24	13q32.1	0.99	-0.3	.	
22	13 A	177.23	177.35	-0.12	178	2915	9.6	27884	0.948	0.924	0.049	0.89	13q13.3	1.03	0.5	.	
26	13 B	218.83	218.86	-0.03	220	3068	9.8	30123	0.930	1.022	0.030	1.59	13q14.2	0.91	-3.0	.	
30	13 B	262.43	262.54	-0.11	265	2183	10.3	22444	0.693	0.727	0.035	0.99	13q21.33	0.95	-1.0	.	
34	13 C	309.87	309.96	-0.09	310	2056	10.4	21456	1.068	1.028	0.042	1.15	13q34	1.04	0.9	.	
38	13 C	355.23	355.26	-0.03	355	1812	11.6	21051	1.048	0.986	0.059	0.78	13q13.1	1.06	1.0	.	
43	13 D	398.43	398.49	-0.06	400	1630	11.5	18710	0.924	1.123	0.080	0.66	13q14.2	0.82	-2.5	.	
47	13 D	442.79	442.70	0.09	445	1727	12.4	21338	1.054	0.917	0.061	0.71	13q34	1.15	2.2	.	
Chromosome 13					Mean	2342	10.6	24306	0.967	0.976	0.050	1.00	(CV: 0.09)	0.99			
17	18 A	140.09	140.13	-0.04	142	3231	9.4	30347	1.032	1.189	0.048	1.17	18q21.1	0.87	-3.3	.	
21	18 A	170.65	170.79	-0.14	172	2347	9.9	23148	0.787	0.918	0.058	0.75	18q21.32	0.86	-2.3	.	
25	18 B	209.88	209.91	-0.03	211	3058	9.9	30345	0.937	0.986	0.036	1.29	18q11.2	0.95	-1.3	.	
29	18 B	252.83	252.87	-0.04	256	3910	10.1	39680	1.226	1.177	0.043	1.29	18q23	1.04	1.1	.	
33	18 C	298.88	298.95	-0.07	301	972	10.9	10597	0.527	1.104	0.054	0.97	18p11.32	0.48	-10.7*	.	
37	18 C	346.15	346.19	-0.04	346	1376	11.3	15525	0.773	0.700	0.045	0.74	18q21.33	1.10	1.6	.	
42	18 D	390.09	390.06	0.03	391	2403	11.5	27633	1.365	1.261	0.060	1.00	18q11.2	1.08	1.7	.	
46	18 D	433.90	433.96	-0.06	436	912	11.7	10705	0.529	1.047	0.064	0.78	18p11.21	0.50	-8.1*	.	
Chromosome 18					Mean	2276	10.6	23498	0.897	1.048	0.051	1.00	(CV: 0.27)	0.87			
15	21 A	132.86	132.97	-0.11	136	3174	10.0	31888	1.085	1.185	0.088	0.77	21q22.13	0.92	-1.1	.	
20	21 A	164.48	164.60	-0.12	166	2930	9.6	28258	0.961	1.012	0.075	0.77	21q21.1	0.95	-0.7	.	
24	21 B	200.76	200.84	-0.08	202	3461	9.7	33686	1.040	1.061	0.046	1.32	21q21.1	0.98	-0.4	.	
28	21 B	245.35	245.40	-0.05	247	2428	10.5	25417	0.785	0.893	0.046	1.11	21q11.2	0.88	-2.4	.	
32	21 C	289.11	289.21	-0.10	292	1763	10.4	18256	0.909	0.955	0.057	0.95	21q22.11	0.95	-0.8	.	
36	21 C	337.36	337.43	-0.07	337	1742	11.0	19121	0.952	0.846	0.053	0.92	21q21.3	1.12	2.0	.	
41	21 D	381.48	381.50	-0.02	382	1902	11.1	21073	1.041	0.931	0.052	1.02	21q22.3	1.12	2.1	.	
45	21 D	424.77	424.75	0.02	427	1458	12.0	17467	0.863	0.863	0.043	1.14	21q22.11	1.00	0.0	.	
Chromosome 21					Mean	2357	10.5	24396	0.954	0.968	0.058	1.00	(CV: 0.09)	0.99			
19	X A	152.72	152.82	-0.10	154	3523	9.7	34148	1.161	1.088	0.059	0.94	Xq12	1.07	1.2	.	
23	X A	183.54	183.64	-0.10	184	2583	9.5	24507	0.834	0.824	0.042	1.00	Xq23	1.01	0.2	.	
27	X B	228.55	228.59	-0.04	229	3755	10.0	37436	1.156	1.066	0.048	1.14	Xp21.3	1.08	1.9	.	
31	X B	271.58	271.66	-0.08	274	3263	10.1	33038	1.020	1.068	0.040	1.36	Xp11.4	0.96	-1.2	.	
35	X C	317.66	317.78	-0.12	319	2181	11.4	24835	1.236	1.060	0.081	0.66	Xq28	1.17	2.2	.	
39	X C	362.53	362.49	0.04	364	2279	11.3	25656	1.277	1.320	0.070	0.97	Xp22.12	0.97	-0.6	.	
44	X D	407.88	407.84	0.04	409	1981	11.7	23158	1.144	1.029	0.062	0.85	Xq25	1.11	1.9	.	
48	X D	451.45	451.42	0.03	454	1436	12.3	17633	0.871	0.829	0.039	1.09	Xp21.1	1.05	1.1	.	
Chromosome X					Mean	2625	10.7	27551	1.087	1.035	0.055	1.00	(CV: 0.07)	1.04			
	Y a	158.49			160					0.838			Yp11.31				
	Y a	191.68			193					0.483			Yp11.31				
	Y b	238.05			238					0.659			Yq11.21				
	Y b	280.55			283					0.772			Yp11.3				
Chromosome Y					Mean						1.00		(CV:)				

Mean values -0.05 2409 10.6 24970 **0.974** 1.000 0.054 2 0.98 Total of all except
Standard deviations 0.06 (Coef. of variance: 0.283) 0.192 0.147 0.15 Ctrl and '?' peaks

Quality assessment	Quality limits	Quality
Mean A-group area / mean Q-frag. area	>0.65 (1.50)	4.14
Mean height of first probes AB	> 450 (800)	3051
Mean height of last probes CD	> 280 (500)	1727
Ratio of mean heights AB/CD ('slope')	<3.00 (2.50)	1.77
Mean group CV of weighted ratio	<0.20 (0.15)	0.13
2 unidentified peak areas / 33 peak areas	< (0.02)	0.00

The weighted mean ratios are tested for being outside ratio
 1 ± 0.10 for chromosome 13, 18, 21 and female X
 1 ± 0.13 for male X and 1 ± 0.24 for Y.
 (One-tailed significance is high for p<=1%, and low for p<=5%)

Female Reference
Normal 13, 18, 21, XX
 Check: 18p11.32 18p11.21

An *** marks: Size Diff.>0.5, Peak Height>7000, unexpected peak width, and "Dist. in SD">4.0.
 Ratio group mean and coefficient of variance (CV) are weighted by the ref. weights
 Labels A,B,... define normalization groups; a,b,... labeled probes do not contribute to normalization.
 Mean Rox height is 205 (14 peaks). 100*CV of ROX heights for peaks above 100 nt is: 8.53

(Ctrl probes are used for quality evaluation only)