

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	1.0 low high	
17	64 -	60.66	60.74	-0.08	64	150	10.3	1539	0.974	1.139	0.132	0.69	64 nt	0.86	-1.2	.	
18	70 -	66.95	66.79	0.16	70	126	11.7	1473	0.933	0.795	0.047	1.34	70 nt	1.17	2.9	..	
19	76 -	73.04	72.94	0.10	76	158	11.6	1837	1.163	1.004	0.144	0.55	76 nt	1.16	1.1	..	
20	82 -	79.36	79.35	0.01	82	143	10.3	1469	0.930	1.062	0.059	1.42	82 nt	0.88	-2.2	.	
<b>Ctrl: Q-fragments</b>					Mean	144	11.0	1580	1.000	1.000	0.096	1.00	(CV: 0.17)	<b>1.01</b>			
21	6 a	85.96	85.77	0.19	88	3824	10.5*	40313	1.741	0.983	0.610	0.47	Distance 6p21.3 CpG isl.	1.77	1.2	..	
22	2 a	91.19	91.18	0.01	92	2036	6.2	12547	0.542	0.524	0.082	1.84	to . 2q14 synt.	1.03	0.2	.	
23	1 a	97.40	97.23	0.17	96	3023	6.3	19163	0.827	0.421	0.175	0.70	q- . 1p36.3 CpG isl.	1.96	2.3	..	
<b>Ctrl: D-fragments</b>					Mean	2961	7.7	24008	1.037	0.643	0.289	1.00	(CV: 0.38)	<b>1.36</b>			
24	X a	101.04	101.02	0.02	100	1385	5.9	8163	0.352	0.357	0.057	0.95	telomere Xq23	0.99	-0.1	.	
25	Y a	105.66	105.49	0.17	105	1831	6.4	11761	0.508	0.526	0.077	1.05	MV36 kb Yq11.21	0.97	-0.2	.	
<b>Ctrl: X- &amp; Y-fragments (male ref.)</b>					Mean	1608	6.2	9962	0.430	0.441	0.067	1.00	(CV: 0.02)	<b>0.98</b>			
54	5 C	338.17	338.37	-0.20	337	1557	7.2	11133	0.668	0.683	0.039	1.04	6769 5q35.2	0.98	-0.4	.	
56	5 C	354.53	354.47	0.06	355	1348	7.1	9590	0.576	0.539	0.071	0.45	4400 5q35.2	1.07	0.5	..	
66	5 D	453.40	453.40	0.00	454	1729	7.9	13718	1.009	0.899	0.071	0.75	4209 5q35.3	1.12	1.5	..	
43	5 B	237.82	237.65	0.17	238	3440	6.6	22649	1.091	1.023	0.042	1.42	4030 5q35.3	1.07	1.6	..	
59	5 D	381.82	381.68	0.14	382	2451	7.3	17939	1.320	1.244	0.086	0.85	3504 5q35.3	1.06	0.9	..	
51	5 C	309.65	309.66	-0.01	310	2784	6.9	19093	1.146	1.042	0.045	1.37	3243 5q35.3	1.10	2.3	..	
40	5 B	219.74	219.63	0.11	219	4023	6.2	25115	1.209	1.063	0.030	2.05	2317 5q35.3	1.14	4.8*	..	
47	5 B	272.67	272.44	0.23	274	3943	6.6	26113	1.257	1.075	0.046	1.36	1723 5q35.3	1.17	3.9	..	
30	5 A	159.54	159.57	-0.03	160	4001	6.1	24510	1.058	1.241	0.130	0.56	924 5q35.3	0.85	-1.4	.	
67	5 D	460.92	460.79	0.13	463	1535	8.0	12288	0.904	0.700	0.047	0.87	884 5q35.3	1.29	4.3*	..	
60	5 D	390.28	390.14	0.14	391	1324	7.7	10142	0.746	0.644	0.056	0.68	867 5q35.3	1.16	1.8	..	
35	5 A	190.63	190.61	0.02	190	5311	6.2	32859	1.419	1.183	0.148	0.47	706 5q35.3	1.20	1.6	..	
58	5 C	373.08	373.01	0.07	373	3005	7.4	22380	1.344	1.312	0.069	1.13	264 5q35.3	1.02	0.5	.	
<b>5q</b>					Mean	2804	7.0	19041	1.058	0.973	0.068	1.00	(CV: 0.09)	<b>1.10</b>			
37	6 B	200.55	200.52	0.03	202	2530	6.2	15772	0.759	0.780	0.070	0.74	4990 6q27	0.97	-0.3	.	
33	6 A	178.90	179.05	-0.15	178	5079	6.1	31184	1.347	1.297	0.071	1.20	4400 6q27	1.04	0.7	.	
68	6 D	468.46	468.39	0.07	472	593	8.2	4853	0.357	0.630	0.069	0.60	3704 6q27	0.57	-3.9	..	
62	6 D	416.69	416.53	0.16	418	1808	7.6	13779	1.014	1.728	0.157	0.73	2804 6q27	0.59	-4.5*	..	
44	6 B	249.81	249.68	0.13	250	2819	6.4	17921	0.863	1.542	0.033	3.10	2091 6q27	0.56	-20.7*	..	
65	6 D	444.22	444.08	0.14	445	908	7.7	7003	0.515	0.859	0.096	0.59	1537 6q27	0.60	-3.6	..	
53	6 C	327.88	328.00	-0.12	328	1295	6.9	8963	0.538	0.872	0.105	0.55	1007 6q27	0.62	-3.2	..	
41	6 B	226.06	225.88	0.18	226	792	6.3	4979	0.240	0.426	0.037	0.77	459 6q27	0.56	-5.1*	..	
38	6 B	208.76	208.68	0.08	208	2382	6.2	14736	0.710	1.039	0.066	1.04	182 6q27	0.68	-5.0*	..	
50	6 C	299.67	299.55	0.12	301	2198	6.8	14888	0.894	1.395	0.133	0.69	165 6q27	0.64	-3.8	..	
<b>6q</b>					Mean	2040	6.8	13408	0.724	1.057	0.084	1.00	(CV: 0.27)	<b>0.67</b>	<b>P= 0.38%</b>		
49	7 C	291.67	291.61	0.06	292	2233	6.8	15166	0.911	0.922	0.161	0.47	6817 7q36.1	0.99	-0.1	.	
31	7 A	165.10	165.21	-0.11	166	2146	6.4	13658	0.590	0.700	0.098	0.58	5507 7q36.2	0.84	-1.1	..	
46	7 B	263.13	263.06	0.07	265	4288	6.5	27748	1.336	1.114	0.072	1.27	4327 7q36.2	1.20	3.1	..	
29	7 A	154.66	154.62	0.04	154	3937	6.0	23572	1.018	0.956	0.051	1.54	3872 7q36.3	1.06	1.2	..	
34	7 A	184.26	184.34	-0.08	184	2251	6.1	13830	0.597	0.706	0.064	0.90	3523 7q36.3	0.85	-1.7	..	
32	7 A	171.79	171.86	-0.07	172	2704	6.2	16771	0.724	0.811	0.065	1.02	2681 7q36.3	0.89	-1.3	.	
27	7 A	140.73	140.62	0.11	142	3120	6.2	19215	0.830	0.868	0.203	0.35	2326 7q36.3	0.96	-0.2	.	
61	7 D	406.17	406.06	0.11	409	1338	7.8	10429	0.767	0.756	0.044	1.40	2087 7q36.3	1.02	0.3	.	
63	7 D	427.53	427.43	0.10	427	3492	7.7	26852	1.976	1.553	0.102	1.24	1714 7q36.3	1.27	4.1*	..	
42	7 B	231.61	231.49	0.12	232	4214	6.4	27161	1.308	1.151	0.076	1.24	634 7q36.3	1.14	2.1	..	
<b>7q</b>					Mean	2972	6.6	19440	1.006	0.954	0.093	1.00	(CV: 0.14)	<b>1.05</b>			
55	8 C	345.52	345.63	-0.11	346	2333	7.1	16567	0.995	0.968	0.087	0.72	4640 8q24.3	1.03	0.3	.	
52	8 C	319.29	319.42	-0.13	319	1799	6.8	12308	0.739	0.739	0.038	1.26	4493 8q24.3	1.00	0.0	.	
64	8 D	435.79	435.69	0.10	436	1965	7.8	15286	1.125	0.986	0.047	1.35	3765 8q24.3	1.14	2.9	..	
36	8 A	195.94	195.83	0.11	196	4075	6.2	25111	1.084	1.084	0.054	1.31	2421 8q24.3	1.00	0.0	.	
28	8 A	148.45	148.28	0.17	148	3323	6.0	20075	0.867	0.974	0.091	0.70	1845 8q24.3	0.89	-1.2	.	
57	8 C	360.59	360.56	0.03	362	1396	6.9	9568	0.574	0.625	0.073	0.56	1583 8q24.3	0.92	-0.7	.	
26	8 A	134.42	134.34	0.08	136	4490	6.0	27149	1.172	1.181	0.112	0.68	1136 8q24.3	0.99	-0.1	.	
48	8 C	283.11	283.08	0.03	283	5761	6.7	38652	2.321	1.904	0.179	0.69	744 8q24.3	1.22	2.3	..	
45	8 B	256.13	255.94	0.19	256	3991	6.7	26818	1.291	1.105	0.048	1.48	572 8q24.3	1.17	3.9	..	
39	8 B	214.20	214.09	0.11	214	2170	6.1	13323	0.642	0.681	0.036	1.23	565 8q24.3	0.94	-1.1	.	
<b>8q</b>					Mean	3130	6.6	20486	1.081	1.025	0.076	1.00	(CV: 0.10)	<b>1.04</b>			
<b>Mean values</b>				0.06	2741	6.8	18160	<b>0.973</b>	1.000	0.079	4			0.98	Total of all except		
<b>Standard deviations</b>				0.10	(Coef. of variance: 0.432)			0.395	0.318					0.21	Ctrl and '?' peaks		

Quality assessment	Quality limits	Quality
Mean A-group area / mean Q-frag. area	>0.65 (1.50)	14.66
Mean CpG-area / mean A-group area	>0.30 (0.65)	1.28
Mean height of first probes AB	> 450 ( 800)	3410
Mean height of last probes CD	> 280 ( 500)	2041
Ratio of mean heights AB/CD ('slope')	<3.00 (2.50)	1.67
Mean group CV of weighted ratio	<0.20 (0.15)	0.14
0 unidentified peak areas / 48 peak areas	< (0.02)	0.00

Weighted mean ratios are tested for being outside ratio 1±0.13  
 One-tailed significance is high for p<=1%, and low for p<=5%.  
 Individual peaks having normalized area > 4.0 SD from the ref.  
 mean and ratio <0.65 or >1.3 indicate 'abnormal' probe area.

**High significance P= 0.38%** **Female & male ref.**  
**Loss of 6q**

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 379 (14 peaks). CV of ROX heights for peaks above 100 nt is: 0.10

(Ctrl probes are used for quality evaluation only)