

Peak Data										Normalized Peak Area						
No.	Label	Size	Ref. size	Size diff.	MRC	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
4	64 -	60.77			64					0.851	0.487		64 nt			
5	70 -	66.87	66.40	0.47	70	57	11.6	664	0.762	0.740	0.199	0.73	70 nt	1.03	0.1	.
6	76 -	72.60	72.55	0.05	76	53	15.2	805	0.924	1.268	0.253	0.98	76 nt	0.73	-1.4	.
6	82 -	79.00	78.63	0.37	82	60	19.1	1146	1.315	1.129	0.170	1.30	82 nt	1.16	1.1	.
<b>Ctrl: Q-fragments</b>					Mean	57	15.3	872	1.000	1.046	0.207	1.00	(CV: <b>0.23</b> )	<b>0.99</b>		
7	6 a	85.31	85.01	0.30	88	508	9.8	4958	0.229	0.794	0.082	1.18	6p21.3 CpG isl.	0.29	-6.9 *	.
8	2 a	90.52	90.26	0.26	92	881	10.1	8876	0.410	0.804	0.090	1.09	2q14 synt.	0.51	-4.4 *	.
9	1 a	96.83	96.57	0.26	96	615	9.1	5584	0.258	0.869	0.143	0.74	mv36 1p36.3 CpG isl.	0.30	-4.3 *	.
<b>Ctrl: D-fragments</b>					Mean	668	9.6	6473	0.299	0.822	0.105	1.00	(CV: <b>0.35</b> )	<b>0.37</b>		
10	X a	100.30	100.09	0.21	100	378	8.1	3064	0.142	0.407	0.056	0.88	111.94 Xq23	0.35	-4.8 *	.
12	Y a	104.68	104.53	0.15	106	689	10.5	7209	0.333	0.857	0.081	1.27	13.98 Yq11.21	0.39	-6.5 *	.
14	Y a	114.76	114.55	0.21	118	564	10.2	5756	0.266	0.651	0.092	0.85	13.54 Yq11.21	0.41	-4.2 *	.
<b>Ctrl: X- &amp; Y-fragments (male ref.)</b>					Mean	544	9.6	5343	0.247	0.638	0.076	1.00	(CV: <b>0.08</b> )	<b>0.38</b>		
15	1 A	126.35	126.13	0.22	130	1218	10.5	12799	0.592	0.787	0.060	0.72	1.14 1p	0.75	-3.3	.
17	2 A	133.51	133.18	0.33	137	1020	10.4	10595	0.490	1.253	0.111	0.62	0.25 2p**	0.39	-6.9 *	.
18	3 A	141.22	140.92	0.30	144	2121	10.5	22349	1.033	0.959	0.080	0.66	0.34 3p**	1.08	0.9	.
19	4 A	149.56	149.29	0.27	151	2408	10.7	25680	1.187	0.918	0.049	1.03	0.50 4p	1.29	5.5 *	.
20	5 A	158.01	157.89	0.12	158	1851	10.9	20107	0.929	0.835	0.060	0.76	0.37 5p	1.11	1.6	.
21	6 A	165.74	165.58	0.16	165	2404	10.9	26179	1.210	1.198	0.038	1.72	0.34 6p	1.01	0.3	.
22	7 A	172.20	172.03	0.17	172	1918	11.2	21459	0.992	0.915	0.046	1.08	0.93 7p	1.08	1.7	.
23	8 A	179.23	179.18	0.05	179	2194	11.3	24709	1.142	1.116	0.046	1.33	0.40 8p	1.02	0.6	.
24	9 A	185.92	185.81	0.11	186	2301	11.2	25826	1.194	1.029	0.069	0.82	0.84 9p	1.16	2.4	.
25	10 A	193.25	193.19	0.06	194	2323	11.5	26647	1.232	0.989	0.049	1.11	0.48 10p	1.24	5.0 *	.
26	11 B	200.66	200.51	0.15	202	1899	11.4	21708	0.822	0.878	0.050	0.96	0.20 11p**	0.94	-1.1	.
27	12 B	207.48	207.17	0.31	208	2403	11.6	27769	1.051	0.944	0.049	1.05	0.17 12p	1.11	2.2	.
28	13 B	217.10	217.02	0.08	218	1970	11.5	22597	0.856	0.934	0.048	1.07	19.24 "13p"	0.92	-1.6	.
29	14 B	225.79	225.71	0.08	226	2976	11.8	34972	1.324	1.256	0.050	1.37	19.86 "14p"	1.05	1.3	.
30	15 B	233.27	233.14	0.13	234	1621	12.0	19468	0.737	0.875	0.054	0.89	21.36 "15p**"	0.84	-2.6	.
31	16 B	240.39	240.26	0.13	242	2943	12.2	35813	1.356	1.207	0.057	1.17	0.04 16p	1.12	2.6	.
32	17 B	249.60	249.50	0.10	250	2359	12.3	28980	1.097	1.094	0.054	1.11	0.17 17p	1.00	0.1	.
33	18 B	256.81	256.73	0.08	258	1960	12.4	24231	0.917	0.802	0.042	1.05	0.19 18p	1.14	2.8	.
34	19 B	264.42	264.25	0.17	266	1871	12.4	23278	0.881	0.907	0.048	1.03	0.49 19p	0.97	-0.5	.
35	20 B	273.21	273.08	0.13	274	944	12.3	11651	0.441	0.637	0.069	0.51	0.26 20p**	0.69	-2.8	.
36	21 B	280.58	280.52	0.06	282	3364	12.7	42823	1.621	1.214	0.052	1.28	14.51 "21p"	1.34	7.8 *	.
37	22 B	287.55	287.45	0.10	290	2004	12.9	25860	0.979	1.158	0.053	1.20	16.61 "22p"	0.85	-3.4	.
38	XY B	296.34	296.22	0.12	298	1900	12.7	24212	0.917	1.095	0.126	0.48	0.52 X/Yp PAR1	0.84	-1.4	.
<b>p-arms</b>					Mean	2086	11.6	24335	1.000	1.000	0.059	1.00	(CV: <b>0.18</b> )	<b>1.03</b>		
39	1 C	305.18	305.17	0.01	306	1729	13.2	22841	1.065	0.791	0.052	0.93	247.08 1q	1.35	5.3 *	.
40	2 C	313.29	313.32	-0.03	314	1876	13.6	25567	1.193	1.226	0.046	1.62	241.18 2q	0.97	-0.7	.
41	3 C	321.24	321.36	-0.12	322	1359	13.4	18149	0.847	0.758	0.051	0.91	198.76 3q**	1.12	1.7	.
42	4 C	329.67	329.81	-0.14	330	1278	14.2	18205	0.849	1.613	0.139	0.71	189.26 4q	0.53	-5.5 *	.
43	5 C	337.74	337.81	-0.07	338	1417	13.9	19719	0.920	0.700	0.046	0.93	180.60 5q**	1.31	4.8 *	.
44	6 C	345.01	344.94	0.07	346	1576	13.8	21793	1.016	0.891	0.035	1.56	170.69 6q	1.14	3.6	.
45	7 C	353.62	353.51	0.11	354	1125	15.1	17009	0.793	1.146	0.105	0.67	158.60 7q	0.69	-3.3	.
46	8 C	360.58	360.44	0.14	362	1657	14.2	23499	1.096	0.879	0.058	0.92	144.69 8q	1.25	3.7	.
47	9 C	369.48	369.36	0.12	370	2175	14.6	31767	1.482	1.149	0.089	0.79	139.83 9q	1.29	3.7	.
48	10 C	377.61	377.31	0.30	378	1424	14.7	20989	0.979	1.199	0.066	1.11	135.05 10q	0.82	-3.3	.
49	11 C	384.74	384.56	0.18	386	1140	14.3	16297	0.760	0.649	0.042	0.95	133.60 11q	1.17	2.6	.
50	12 D	393.06	392.86	0.20	394	1390	15.0	20815	1.195	1.144	0.055	1.27	132.24 12q	1.05	0.9	.
51	13 D	400.66	400.44	0.22	402	1426	15.1	21493	1.234	1.108	0.072	0.94	112.82 13q	1.11	1.7	.
52	14 D	409.31	409.15	0.16	410	1132	15.2	17210	0.988	0.949	0.061	0.96	105.00 14q	1.04	0.7	.
53	15 D	416.32	416.15	0.17	418	1494	15.5	23229	1.334	1.170	0.067	1.06	99.26 15q	1.14	2.4	.
54	16 D	423.73	423.31	0.42	426	864	15.4	13299	0.764	0.782	0.036	1.33	88.63 16q	0.98	-0.5	.
55	17 D	432.15	431.82	0.33	434	1304	15.8	20642	1.186	1.003	0.057	1.08	78.45 17q	1.18	3.2	.
56	18 D	439.74	439.27	0.47	442	1611	15.9	25648	1.473	1.338	0.116	0.70	75.90 18q	1.10	1.2	.
57	19 D	447.67	447.41	0.26	450	608	14.9	9053	0.520	1.179	0.111	0.65	63.75 19q	0.44	-5.9 *	.
58	20 D	456.27	455.83	0.44	458	654	15.5	10165	0.584	0.560	0.037	0.93	62.19 20q	1.04	0.7	.
59	21 D	463.86	463.47	0.39	466	1416	16.1	22781	1.308	1.439	0.094	0.93	46.89 21q	0.91	-1.4	.
60	22 D	471.88	471.63	0.25	474	831	16.4	13630	0.783	0.703	0.034	1.27	49.55 22q**	1.11	2.4	.
61	XY D	481.04	480.75	0.29	482	666	16.5	10979	0.631	0.627	0.050	0.77	154.78 X/Yq PAR2	1.01	0.1	.
<b>q-arms</b>					Mean	1311	14.9	19338	1.000	1.000	0.066	1.00	(CV: <b>0.19</b> )	<b>1.05</b>		
<b>Mean values</b>			0.17		1698	13.3	21837	<b>1.000</b>	1.000	0.063			The small 2q14 area indicates poor hybridization!	1.04	Total of all except	
<b>Standard deviations</b>			0.14				(Coef. of variance: 0.315)	0.273	0.228				0.19	Ctrl and '?' peaks		
<b>Quality assessment</b>			<b>Quality limits</b>			<b>Quality</b>			Individual peaks having normalized area > 4.0 SD from the ref. mean and ratio <0.65 or >1.3 indicate 'abnormal' probe area.							
Mean A-group area / mean Q-frag. area			>1.00 (1.75)			24.82										
Mean CpG-area / mean A-group area			>0.45 (0.70)			0.24			<b>Too low!</b>							
Mean height of first probes AB			> 450 ( 800)			2086										
Mean height of last probes CD			> 280 ( 500)			1311										
Ratio of mean heights AB/CD ('slope')			<2.75 (2.25)			1.59										
Mean group CV of weighted ratio			<0.20 (0.15)			0.19			<b>high</b>			<b>Abn. peaks: 2p** "21p" 1q 4q 5q**</b>				
3 unidentified peak areas / 52 peak areas			< (0.02)			0.00										

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 198 (14 peaks). 100%CV of ROX heights for peaks above 100 nt is: 3.06

**Poor Quality!**

(Ctrl probes are used for quality evaluation only)