

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
2	64 -	60.53	61.32	-0.79 *	64	141	15.5	2183	1.061	0.752	0.183	0.76	64 nt	1.41	1.7	-.
3	70 -	66.31	66.93	-0.62 *	70	60	22.2	1332	0.648	0.861	0.170	0.94	70 nt	0.75	-1.3	.
4	76 -	72.08	72.66	-0.58 *	76	121	20.8	2522	1.226	0.994	0.187	0.98	76 nt	1.23	1.2	-.
5	82 -	78.44	78.80	-0.36	82	103	21.3	2190	1.065	1.323	0.184	1.32	82 nt	0.80	-1.4	.
<b>Ctrl: Q-fragments</b>					Mean	106	19.9	2057	1.000	0.983	0.181	1.00	(CV: <b>0.31</b> )	<b>1.01</b>		
7	2 a	90.11	90.36	-0.25	94	928	9.8	9070	0.780	0.937	0.107	1.03	2q14 synt.	0.83	-1.5	.
9	Y a	104.25	104.36	-0.11	106	528	9.9	5224	0.449	0.630	0.068	1.09	14.5 Yq11	0.71	-2.6	.
11	Y a	114.41	114.56	-0.15	118	637	9.7	6160	0.530	0.871	0.118	0.88	14.0 Yq11	0.61	-2.9	.
<b>Ctrl: 2q14 and Y-fragments</b>					Mean	698	9.8	6818	0.587	0.813	0.098	1.00	(CV: <b>0.15</b> )	<b>0.72</b>		
12	1 A	128.85	128.97	-0.12	130	1204	9.8	11813	1.016	0.995	0.030	1.61	245.3 1q	1.02	0.7	.
13	2 A	135.92	136.02	-0.10	137	1307	10.1	13245	1.140	1.037	0.055	0.92	242.9 2q	1.10	1.9	-.
14	3 A	142.11	142.25	-0.14	144	1295	10.3	13297	1.144	1.012	0.046	1.06	198.8 3q	1.13	2.8	-.
15	4 A	149.82	150.08	-0.26	151	526	10.1	5306	0.457	0.550	0.039	0.69	191.6 4q	0.83	-2.4	.
16	5 A	157.63	157.81	-0.18	158	1268	10.3	13036	1.122	0.997	0.040	1.22	180.8 5q	1.13	3.2	-.
17	6 A	164.55	164.74	-0.19	165	760	10.6	8024	0.690	1.265	0.059	1.04	170.7 6q	0.55	-9.8 *	.
18	7 A	171.24	171.42	-0.18	172	1073	10.4	11143	0.959	1.006	0.058	0.84	158.1 7q	0.95	-0.8	.
19	8 A	178.35	178.50	-0.15	179	1219	10.5	12839	1.105	1.052	0.053	0.97	145.7 8q	1.05	1.0	.
20	9 A	185.52	185.71	-0.19	186	1052	10.6	11180	0.962	0.843	0.032	1.28	135.9 9q	1.14	3.7	-.
21	10 A	192.51	192.69	-0.18	194	1531	10.7	16346	1.406	1.242	0.053	1.13	134.7 10q	1.13	3.1	-.
22	11 B	199.83	200.05	-0.22	202	1190	11.1	13252	1.067	1.063	0.063	0.82	133.3 11q	1.00	0.1	.
23	12 B	208.99	209.15	-0.16	210	1811	11.0	19837	1.598	1.137	0.056	0.97	132.0 12q	1.41	8.2 *	.
24	13 B	216.67	216.87	-0.20	218	877	11.1	9751	0.785	0.842	0.047	0.87	112.9 13q	0.93	-1.2	.
25	14 B	224.40	224.61	-0.21	226	983	11.2	11035	0.889	0.976	0.048	0.99	103.9 14q	0.91	-1.8	.
26	15 B	231.49	231.61	-0.12	234	1123	11.3	12677	1.021	1.047	0.068	0.74	99.9 15q	0.97	-0.4	.
27	16 B	239.52	239.66	-0.14	242	1013	11.1	11225	0.904	0.992	0.050	0.97	89.8 16q	0.91	-1.8	.
28	17 B	248.43	248.54	-0.11	250	1141	11.4	13016	1.048	1.135	0.047	1.16	81.0 17q	0.92	-1.8	.
29	18 B	256.79	256.89	-0.10	258	1070	11.5	12348	0.994	1.093	0.051	1.03	75.6 18q	0.91	-1.9	.
30	19 B	263.83	264.00	-0.17	266	1111	11.7	13002	1.047	1.039	0.049	1.02	63.7 19q	1.01	0.2	.
31	20 B	271.48	271.69	-0.21	274	665	12.1	8031	0.647	0.676	0.037	0.89	63.3 20q	0.96	-0.8	.
32	21 C	279.00	279.08	-0.08	282	762	12.3	9376	0.977	0.990	0.045	1.07	46.9 21q	0.99	-0.3	.
33	22 C	288.55	288.71	-0.16	290	1021	12.4	12628	1.316	1.293	0.069	0.91	49.2 22q	1.02	0.3	.
34	XY C	296.11	296.21	-0.10	298	692	13.8	9563	0.997	1.198	0.072	0.81	153.6 X/Yq	0.83	-2.8	.
<b>q-arms</b>					Mean	1074	11.1	11825	1.013	1.021	0.051	1.00	(CV: <b>0.16</b> )	<b>1.00</b>		
35	1 C	305.22	305.33	-0.11	306	826	12.5	10359	1.080	1.092	0.082	0.81	1.0 1p	0.99	-0.1	.
36	2 C	313.77	313.98	-0.21	314	528	12.6	6674	0.696	0.703	0.039	1.08	0.3 2p	0.99	-0.2	.
37	3 C	322.44	322.61	-0.17	322	890	12.7	11297	1.178	1.285	0.097	0.80	0.3 3p	0.92	-1.1	.
38	4 C	331.41	331.55	-0.14	330	755	13.2	9956	1.038	0.936	0.047	1.19	0.3 4p	1.11	2.1	-.
39	5 C	338.27	338.40	-0.13	338	647	13.3	8583	0.895	0.809	0.051	0.95	0.3 5p	1.11	1.7	-.
40	6 C	345.41	345.51	-0.10	346	629	13.3	8373	0.873	0.852	0.047	1.10	0.3 6p	1.02	0.4	.
41	7 C	353.41	353.45	-0.04	354	662	13.8	9121	0.951	0.842	0.046	1.11	0.6 7p	1.13	2.4	-.
42	8 D	360.30	360.32	-0.02	362	514	13.7	7019	0.928	0.908	0.065	0.85	0.4 8p	1.02	0.3	.
43	9 D	369.08	369.05	0.03	370	559	13.7	7635	1.010	1.023	0.052	1.18	0.4 9p	0.99	-0.3	.
44	10 D	374.81	374.96	-0.15	378	1072	14.1	15162	2.005	1.953	0.107	1.10	0.2 10p	1.03	0.5	.
45	11 D	384.78	384.93	-0.15	386	725	14.0	10128	1.340	1.147	0.059	1.17	0.2 11p	1.17	3.2	-.
46	12 D	392.54	392.66	-0.12	394	664	14.6	9688	1.281	1.213	0.069	1.06	0.3 12p	1.06	1.0	-.
47	16 D	400.40	400.44	-0.04	402	448	14.8	6648	0.879	0.916	0.059	0.94	0.4 16p	0.96	-0.6	.
48	17 D	408.96	409.05	-0.09	410	534	14.6	7794	1.031	1.074	0.067	0.97	0.2 17p	0.96	-0.6	.
49	18 D	416.77	416.95	-0.18	418	452	14.7	6642	0.878	0.804	0.052	0.93	0.2 18p	1.09	1.4	-.
50	19 D	423.80	423.91	-0.11	426	388	14.7	5687	0.752	0.759	0.049	0.94	0.2 19p	0.99	-0.1	.
51	20 D	430.56	430.65	-0.09	434	181	14.4	2615	0.346	0.681	0.044	0.93	0.3 20p	0.51	-7.5 *	.
52	XY D	439.11	439.19	-0.08	442	269	15.4	4150	0.549	0.522	0.036	0.88	0.5 X/Yp	1.05	0.8	-.
<b>p-arms</b>					Mean	597	13.9	8196	0.984	0.973	0.059	1.00	(CV: <b>0.14</b> )	<b>1.01</b>		

**Mean values** -0.14 864 12.3 10232 **1.000** 1.000 0.055 3 1.00 Total of all except  
**Standard deviations** 0.06 (Coef. of variance: 0.330) 0.291 0.243 0.15 Ctrl and '?' peaks

**Quality assessment** **Quality limits** **Quality** Individual peaks having normalized area > 4.0 SD from the ref.  
 Mean A-group area / mean Q-frag. area >0.65 (1.50) 5.65 mean and ratio <0.65 or >1.3 indicate 'abnormal' probe area.

Mean height of first probes AB > 450 ( 800) 1111  
 Mean height of last probes CD > 280 ( 500) 629  
 Ratio of mean heights AB/CD ('slope') <3.00 (2.50) 1.77  
 Mean group CV of weighted ratio <0.20 (0.15) 0.15 **high**  
 2 unidentified peak areas / 44 peak areas < (0.02) 0.01

**Female & male ref.**  
**Abn. peaks: 6q 12q 20p**

**1 quality warning!**

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 304 (14 peaks). 100%CV of ROX heights for peaks above 100 nt is: 3.03

(Ctrl probes are used for quality evaluation only)