

Peak Data										Normalized Peak Area							
No.	Label	Size	Ref. size	Size diff.	MRC size	Height	Width	Area	Area	Ref. Mean	Ref. SD	Ref. Weigh	Position p-tel band	Dist. Ratio	1.0 in SD	low high	
11	64 -	60.13	60.29	-0.16	64	129	15.2	1962	0.811	0.979	0.114	1.10	64 nt	0.83	-1.5	-	
12	70 -	66.16	66.28	-0.12	70	120	18.0	2157	0.891	0.849	0.107	1.01	70 nt	1.05	0.4	-	
14	76 -	72.32	72.42	-0.10	76	186	15.1	2803	1.158	1.135	0.147	0.99	76 nt	1.02	0.2	-	
16	82 -	78.96	78.64	0.32	82	127	21.7	2758	1.140	1.038	0.148	0.90	82 nt	1.10	0.7	-	
Ctrl: Q-fragments					Mean	141	17.5	2420	1.000	1.000	0.129	1.00	(CV: 0.12)	0.99			
18	2 A	90.39	90.21	0.18	94	1252	9.9	12411	0.607	0.704	0.075	1.00	2q14 synt.	0.86	-1.3	-	
	Y a		104.35		106					0.344	0.042		13.9 Yq11				
	Y a		114.30		118					0.578	0.041		13.4 Yq11				
Ctrl: Miscellaneous					Mean	1252	9.9	12411	0.607	0.704	0.075	1.00	(CV:)	0.86			
20	1 A	126.36	126.23	0.13	130	2124	9.9	20998	1.027	1.115	0.055	0.86	1.20 1p	0.92	-1.6	-	
22	2 A	133.24	133.14	0.10	137	2019	9.7	19503	0.954	0.980	0.033	1.25	0.26 2p	0.97	-0.8	-	
24	3 A	140.91	140.85	0.06	144	2700	9.5	25702	1.258	1.259	0.077	0.69	0.32 3p	1.00	0.0	-	
26	4 A	149.36	149.22	0.14	151	2668	9.7	25808	1.263	1.214	0.043	1.19	0.5 4p	1.04	1.1	-	
28	5 A	157.87	157.81	0.06	158	2810	9.7	27285	1.335	1.350	0.030	1.88	0.35 5p	0.99	-0.5	-	
29	6 A	165.63	165.52	0.11	165	2340	10.1	23705	1.160	1.066	0.049	0.92	0.34 6p	1.09	1.9	-	
31	7 A	172.09	171.94	0.15	172	1635	9.8	16091	0.787	0.837	0.041	0.87	0.74 7p	0.94	-1.2	-	
32	8 A	179.12	179.09	0.03	179	2039	9.7	19880	0.973	0.977	0.049	0.84	0.35 8p	1.00	-0.1	-	
33	9 A	185.81	185.74	0.07	186	1521	10.1	15357	0.751	0.650	0.060	0.45	0.9 9p	1.16	1.7	-	
34	10 A	193.25	193.11	0.14	194	1792	10.1	18071	0.884	0.847	0.034	1.05	0.5 10p	1.04	1.1	-	
35	11 B	200.59	200.44	0.15	202	1624	10.1	16463	0.847	0.871	0.049	0.75	0.2 11p	0.97	-0.5	-	
36	12 B	207.42	207.12	0.30	210	850	10.0	8500	0.437	0.982	0.046	0.89	0.18 12p	0.45	-11.8*		
37	13 B	217.03	216.97	0.06	218	1780	10.2	18069	0.929	0.921	0.057	0.69	19.2 "13p"	1.01	0.2	-	
38	14 B	225.70	225.67	0.03	226	2621	10.0	26101	1.343	1.238	0.031	1.66	19.9 "14p"	1.08	3.3	-	
39	15 B	232.71	232.66	0.05	234	2147	10.3	22149	1.139	1.178	0.057	0.88	20.5 "15p"	0.97	-0.7	-	
40	16 B	240.28	240.21	0.07	242	2163	10.3	22254	1.145	1.163	0.068	0.72	0.04 16p	0.98	-0.3	-	
41	17 B	249.50	249.48	0.02	250	2810	10.5	29546	1.520	1.101	0.032	1.46	0.20 17p	1.38	13.2*	-	
42	18 B	256.76	256.68	0.08	258	1459	10.4	15230	0.783	0.724	0.023	1.31	0.17 18p	1.08	2.6	-	
43	19 B	264.34	264.23	0.11	266	1614	10.4	16823	0.865	0.883	0.033	1.13	0.48 19p	0.98	-0.5	-	
44	20 B	273.14	273.05	0.09	274	1189	10.8	12848	0.661	0.635	0.034	0.79	0.25 20p	1.04	0.8	-	
45	21 B	280.47	280.48	-0.01	282	2307	10.5	24297	1.250	1.141	0.035	1.36	14.50 "21p"	1.09	3.1	-	
46	22 B	287.49	287.40	0.09	290	1878	10.6	19930	1.025	1.081	0.044	1.03	16.61 "22p"	0.95	-1.3	-	
47	XY B	296.21	296.17	0.04	298	1940	10.6	20530	1.056	1.082	0.137	0.33	0.57 X/Yp	0.98	-0.2	-	
p-arms					Mean	2001	10.1	20223	1.017	1.013	0.049	1.00	(CV: 0.16)	1.02			
48	1 C	305.08	305.07	0.01	306	1443	11.0	15845	1.102	1.054	0.045	1.09	245.3 1q	1.05	1.1	-	
49	2 C	313.22	313.15	0.07	314	1605	11.0	17653	1.228	1.289	0.047	1.29	241.3 2q	0.95	-1.3	-	
50	3 C	321.19	321.16	0.03	322	1237	11.1	13693	0.953	0.994	0.053	0.89	198.8 3q	0.96	-0.8	-	
51	4 C	328.23	328.25	-0.02	330	1611	11.1	17904	1.246	1.233	0.118	0.49	191.2 4q	1.01	0.1	-	
52	5 C	337.75	337.60	0.15	338	1094	11.3	12338	0.858	0.841	0.046	0.86	180.6 5q	1.02	0.4	-	
53	6 C	344.92	344.84	0.08	346	1732	11.2	19378	1.348	1.417	0.050	1.34	170.8 6q	0.95	-1.4	-	
54	7 C	353.67	353.53	0.14	354	939	12.4	11624	0.809	0.838	0.040	0.97	158.4 7q	0.96	-0.7	-	
55	8 C	360.54	360.51	0.03	362	1329	11.4	15085	1.050	1.069	0.037	1.35	144.6 8q	0.98	-0.5	-	
56	9 C	369.41	369.26	0.15	370	1316	11.4	15062	1.048	1.013	0.058	0.81	137.7 9q	1.03	0.6	-	
57	10 C	376.92	376.80	0.12	378	578	11.7	6779	0.472	0.474	0.028	0.80	135.1 10q	0.99	-0.1	-	
58	11 C	384.80	384.65	0.15	386	1095	11.6	12740	0.886	0.778	0.033	1.11	133.6 11q	1.14	3.3	-	
59	12 D	393.07	392.92	0.15	394	1471	11.8	17298	1.276	1.210	0.065	0.87	132.3 12q	1.05	1.0	-	
60	13 D	400.58	400.47	0.11	402	1391	11.8	16391	1.209	1.257	0.053	1.12	112.8 13q	0.96	-0.9	-	
61	14 D	409.26	409.19	0.07	410	1228	11.8	14522	1.071	1.074	0.061	0.82	105.0 14q	1.00	-0.1	-	
62	15 D	416.32	416.17	0.15	418	1340	11.8	15800	1.165	1.239	0.059	0.98	99.3 15q	0.94	-1.2	-	
63	16 D	423.43	423.31	0.12	426	916	12.1	11048	0.815	0.875	0.043	0.96	88.6 16q	0.93	-1.4	-	
64	17 D	431.96	431.85	0.11	434	1116	12.0	13412	0.989	1.019	0.056	0.85	78.4 17q	0.97	-0.5	-	
65	18 D	439.55	439.31	0.24	442	1485	12.3	18265	1.347	1.393	0.044	1.49	75.9 18q	0.97	-1.1	-	
66	19 D	447.68	447.46	0.22	450	635	12.4	7843	0.578	0.593	0.027	1.02	63.6 19q	0.97	-0.6	-	
67	20 D	456.06	455.88	0.18	458	598	12.9	7691	0.567	0.654	0.034	0.91	62.2 20q	0.87	-2.6	-	
68	21 D	463.69	463.52	0.17	466	1617	12.6	20338	1.500	1.293	0.044	1.37	46.9 21q	1.16	4.7*	-	
69	22 D	471.77	471.70	0.07	474	837	12.6	10580	0.780	0.714	0.038	0.89	49.5 22q	1.09	1.8	-	
70	XY D	480.94	480.78	0.16	482	749	12.8	9552	0.704	0.680	0.046	0.70	154.7 X/Yq	1.04	0.5	-	
q-arms					Mean	1190	11.8	13950	1.000	1.000	0.049	1.00	(CV: 0.07)	1.00			

Mean values 0.10 1595 11.0 17087 **1.009** 1.006 0.049 3 1.01 Total of all except
Standard deviations 0.06 (Coef. of variance: 0.319) 0.261 0.232 0.12 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) 8.45 mean and ratio <0.65 or >1.3 indicate 'abnormal' probe area.

Mean height of first probes AB > 450 (800) 1970
Mean height of last probes CD > 280 (500) 1190
Ratio of mean heights AB/CD ('slope') <3.00 (2.50) 1.66
Mean group CV of weighted ratio <0.20 (0.15) 0.11
6 unidentified peak areas / 47 peak areas < (0.02) 0.00

Female & male ref.
Abn. peaks: 12p 17p

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 163 (14 peaks). 100*CV of ROX heights for peaks above 100 nt is: 9.56

(Ctrl probes are used for quality evaluation only)