

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	Ratio	Dist. in SD	1.0 low high	
7	64 -	60.97	61.29	-0.32	64	492	17.8	8762	0.774	0.699	0.159	0.76	64 nt	1.11	0.5	·	
	70 -		66.88		70					0.653	0.076		70 nt				
9	76 -	72.51	72.75	-0.24	76	590	20.7	12217	1.079	1.143	0.189	1.04	76 nt	0.94	-0.3	·	
10	82 -	78.17	78.68	-0.51 *	82	755	17.2	12983	1.147	1.186	0.170	1.20	82 nt	0.97	-0.2	·	
Ctrl: Q-fragments					Mean	612	18.6	11321	1.000	1.009	0.173	1.00	(CV: 0.08)	0.99			
11	2 A	89.91	90.35	-0.44	94	3384	11.4	38526	0.977	0.954	0.084	0.84	2q14 synt.	1.03	0.3	·	
13	10 A	135.33	135.77	-0.44	139	2798	12.4	34758	0.882	0.781	0.073	0.80	35.50 10p12	1.13	1.4	·	
17	7 A	173.43	173.63	-0.20	175	1767	13.5	23919	0.607	0.583	0.041	1.05	26.9 7p15	1.04	0.6	·	
34	10 C	327.98	327.85	0.13	328	1064	19.5	20701	0.896	0.840	0.048	1.30	98.1 10q23	1.07	1.2	·	
Reference fragments					Mean	2253	14.2	29476	0.841	0.789	0.061	1.00	(CV: 0.04)	1.06			
35	22 C	338.01	337.76	0.25	337	1344	20.8	28012	1.213	1.178	0.069	1.05	15.95 22q11	1.03	0.5	·	
37	22 C	352.16	352.36	-0.20	355	1140	21.1	24020	1.040	1.010	0.065	0.95	16.61 22q11	1.03	0.5	·	
22q most CES					Mean	1242	21.0	26016	1.127	1.094	0.067	1.00	(CV: 0.00)	1.03			
15	22 A	155.64	155.80	-0.16	157	1128	13.1	14737	0.374	0.838	0.040	1.27	17.74 22q11	0.45	-11.6 *	·	
19	22 A	192.23	192.36	-0.13	193	1294	14.1	18256	0.463	0.853	0.056	0.91	17.9 22q11	0.54	-6.9 *	·	
24	22 B	237.54	237.70	-0.16	238	577	15.5	8938	0.350	0.919	0.074	0.75	18.3 22q11	0.38	-7.7 *	·	
29	22 B	281.02	281.15	-0.13	283	572	18.0	10287	0.403	0.857	0.042	1.23	19.1 22q11	0.47	-10.7 *	·	
33	22 C	317.87	317.69	0.18	319	355	21.9 *	7768	0.336	0.653	0.040	0.98	19.2 22q11	0.52	-7.8 *	·	
39	22 C	371.06	371.62	-0.56 *	373	597	22.5	13461	0.583	1.188	0.070	1.03	19.6 22q11	0.49	-8.7 *	·	
44	22 D	416.41	416.77	-0.36	418	373	22.8	8517	0.599	1.222	0.089	0.83	19.7 22q11	0.49	-7.0 *	·	
22q most DGS					Mean	699	18.3	11709	0.444	0.933	0.059	1.00	(CV: 0.10)	0.48	P= 0.000%		
31	22 B	299.81	299.87	-0.06	301	1317	18.8	24793	0.972	1.091	0.079	0.86	22.6 22q11	0.89	-1.5	·	
47	22 D	443.89	443.89	-0.09	445	773	24.7	19131	1.345	1.622	0.088	1.14	49.35 22q11	0.83	-3.1	·	
22q after DGS					Mean	1045	21.8	21962	1.158	1.357	0.084	1.00	(CV: 0.05)	0.86			
14	4 A	143.94	144.30	-0.36	148	5053	12.6	63911	1.621	1.586	0.072	1.16	185.9 4q34	1.02	0.5	·	
16	4 A	165.64	165.67	-0.03	166	2503	14.1	35307	0.896	0.968	0.062	0.82	183.8 4q35	0.93	-1.2	·	
18	4 A	181.69	181.87	-0.18	184	3966	13.7	54371	1.379	1.187	0.062	1.02	187.54 4q34	1.16	3.1	·	
4q34.2					Mean	3841	13.5	51196	1.299	1.247	0.065	1.00	(CV: 0.11)	1.04			
21	10 A	208.30	208.71	-0.41	211	2278	15.1	34493	0.875	0.913	0.058	0.91	1.45 10p15	0.96	-0.7	·	
23	10 B	227.83	227.99	-0.16	229	1539	16.0	24560	0.963	0.939	0.049	1.11	7.3 10p15	1.03	0.5	·	
25	10 B	245.41	245.75	-0.34	247	1350	17.4	23463	0.920	0.969	0.059	0.96	7.7 10p15	0.95	-0.8	·	
27	10 B	262.99	263.52	-0.53 *	265	1442	17.7	25464	0.998	0.949	0.059	0.93	8.1 10p15	1.05	0.8	·	
36	10 C	345.62	345.66	-0.04	346	1093	21.5	23478	1.017	0.895	0.052	1.00	10.5 10p15	1.14	2.3	·	
38	10 C	363.49	363.95	-0.46	364	787	22.2	17463	0.756	0.746	0.046	0.95	11.0 10p14	1.01	0.2	·	
40	10 C	380.98	381.50	-0.52 *	382	954	22.7	21617	0.936	1.138	0.055	1.20	11.3 10p14	0.82	-3.7	·	
42	10 D	397.89	398.22	-0.33	400	814	23.1	18824	1.323	1.096	0.067	0.94	12.1 10p14	1.21	3.4	·	
10p14-15					Mean	1282	19.4	23670	0.973	0.956	0.055	1.00	(CV: 0.12)	1.02			
28	8 B	272.74	272.94	-0.20	274	924	17.5	16138	0.633	0.628	0.045	1.06	11.6 8p23	1.01	0.1	·	
45	8 D	423.71	424.23	-0.52 *	427	515	24.8	12759	0.897	0.903	0.078	0.88	10.1 8p23	0.99	-0.1	·	
48	8 D	452.66	453.00	-0.34	454	339	24.6	8347	0.587	0.786	0.061	0.99	19.44 8p21	0.75	-3.3	·	
50	8 D	468.59	468.81	-0.22	472	246	25.0	6143	0.432	0.630	0.045	1.06	9.0 8p23	0.69	-4.4 *	·	
51	8 D	478.14	478.41	-0.27	481	456	26.2	11967	0.841	0.850	0.064	1.02	8.7 8p23	0.99	-0.1	·	
8p23					Mean	496	23.6	11071	0.678	0.760	0.059	1.00	(CV: 0.18)	0.88			
26	18 B	254.87	255.12	-0.25	256	2324	16.7	38822	1.522	1.358	0.061	1.25	59.0 18q21	1.12	2.7	·	
30	18 B	289.11	289.41	-0.30	292	1219	18.9	22987	0.901	0.800	0.060	0.75	59.6 18q21	1.13	1.7	·	
18q21-33					Mean	1772	17.8	30905	1.211	1.079	0.061	1.00	(CV: 0.00)	1.12			
41	17 C	390.24	390.58	-0.34	391	716	22.4	16071	0.696	0.822	0.045	1.31	1.29 17p13	0.85	-2.8	·	
43	17 D	407.22	407.62	-0.40	409	665	23.9	15884	1.116	0.803	0.074	0.77	0.59 17p13	1.39	4.2 *	·	
46	17 D	433.92	434.18	-0.26	436	584	24.6	14364	1.010	1.080	0.071	1.08	4.8 17p13	0.94	-1.0	·	
49	17 D	460.11	460.27	-0.16	463	613	25.3	15509	1.090	1.009	0.085	0.84	7.5 17p13	1.08	0.9	·	
17p13					Mean	645	24.1	15457	0.978	0.929	0.069	1.00	(CV: 0.22)	1.02			
20	4 A	200.93	201.14	-0.21	202	3206	14.3	45861	1.164	1.338	0.062	1.00	89.4 4q22	0.87	-2.8	·	
22	4 B	217.88	218.14	-0.26	220	2613	15.4	40218	1.577	1.488	0.061	1.12	96.4 4q22	1.06	1.5	·	
32	4 C	308.27	308.17	0.10	310	2120	19.2	40746	1.764	1.529	0.080	0.88	103.8 4q24	1.15	2.9	·	
4q21-25					Mean	2646	16.3	42275	1.502	1.452	0.068	1.00	(CV: 0.14)	1.02			
Mean values			-0.23			1420	19.1	23615	0.924	1.000	0.062	2		0.91	Total of all except		
Standard deviations			0.19			(Coef. of variance:	0.559)		0.361	0.262				0.24	Ctrl and '?' peaks		

Quality assessment	Quality limits	Quality
Mean A-group area / mean Q-frag. area	>0.65 (1.50)	3.48
Mean height of first probes AB	> 450 (800)	2063
Mean height of last probes CD	> 280 (500)	777
Ratio of mean heights AB/CD ('slope')	<3.00 (2.50)	2.65 high
Mean group CV of weighted ratio	<0.20 (0.15)	0.11
1 unidentified peak area / 40 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= 0.000% **Female & male ref.**
Loss of 22q

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 261 (15 peaks). 100*CV of ROX heights for peaks above 100 nt is: 22.74

(Ctrl probes are used for quality evaluation only)

1 quality warning!