

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
64	-		60.78		64					1.423	0.100		64 nt			
70	-		67.21		70					0.920	0.100		70 nt			
21	76 -	73.19	72.75	0.44	76	59	10.8	638	1.000	1.143	0.100	1.00	76 nt	0.88	-1.4	.
	82 -		78.14		82					0.657	0.100		82 nt			
<b>Ctrl: Q-fragments</b>					Mean	59	10.8	638	1.000	1.143	0.100	1.00	(CV: )	<b>0.88</b>		
23	2 a	91.49	91.56	-0.07	94	2722	6.9	18710	0.669	0.770	0.093	1.00	2q14 synt.	0.87	-1.1	.
<b>Ctrl: Synthetic control probe</b>					Mean	2722	6.9	18710	0.669	0.770	0.093	1.00	(CV: )	<b>0.87</b>		
24	5 A	127.86	127.94	-0.08	130	3606	6.7	24182	0.865	0.842	0.025	0.96	c 5q31.1	1.03	0.9	.
25	4 A	133.77	133.89	-0.12	136	3515	7.1	24829	0.888	0.895	0.028	0.90	c 4q11	0.99	-0.2	.
28	6 A	152.80	152.82	-0.02	154	4779	6.9	32978	1.180	1.187	0.019	1.73	c 6p21.3	0.99	-0.4	.
31	3 A	171.97	172.00	-0.03	172	4406	6.8	29827	1.067	1.076	0.031	0.97	c 3p22	0.99	-0.3	.
38	10 B	220.76	220.70	0.06	220	2654	7.2	19051	1.040	1.072	0.038	0.81	c 10q22	0.97	-0.9	.
42	16 B	258.45	258.40	0.05	256	2958	7.4	21779	1.189	1.153	0.031	1.06	c 16q24.3	1.03	1.1	.
45	16 B	274.62	274.60	0.02	274	1868	7.6	14144	0.772	0.775	0.035	0.63	c 16q22.1	1.00	-0.1	.
49	3 C	310.50	310.47	0.03	310	2448	8.1	19750	0.982	1.008	0.043	0.67	c 3p25.3	0.97	-0.6	.
51	3 C	329.20	329.10	0.10	328	2260	8.7	19552	0.972	0.974	0.039	0.70	c 3q12	1.00	0.0	.
58	5 C	382.82	382.93	-0.11	382	2430	8.7	21026	1.046	1.018	0.040	0.72	c 5q33.1	1.03	0.7	.
61	2 D	407.46	407.60	-0.14	409	1933	9.3	17977	1.153	1.192	0.023	1.47	c 2p14	0.97	-1.7	.
64	1 D	434.82	434.96	-0.14	436	1318	9.6	12695	0.814	0.805	0.018	1.30	c 1p36	1.01	0.5	.
67	13 D	460.56	460.65	-0.09	463	1610	10.0	16119	1.033	1.003	0.026	1.08	c 13q14.2	1.03	1.2	.
<b>Reference fragments</b>					Mean	2753	8.0	21070	1.000	1.000	0.030	1.00	(CV: 0.02)	<b>1.00</b>		
	Y a		115.65		118					0.588	0.105		c Y			
<b>Male Y</b>					Mean							1.00	(CV: )			
56	5 c	374.98	375.07	-0.09	373	784	8.6	6731	0.335	0.601	0.042	0.78	176.5 5q35.1-qter ex1	0.56	-6.4 *	.
54	5 c	354.43	354.47	-0.04	355	1078	8.8	9510	0.473	0.813	0.036	1.22	176.5 5q35.1-qter ex	0.58	-9.5 *	.
<b>Before NSD1</b>					Mean	931	8.7	8121	0.404	0.707	0.039	1.00	(CV: 0.03)	<b>0.57</b>	<b>P= 1.30%</b>	
52	5 c	337.75	337.62	0.13	337	453	7.7	3470	0.173	0.378	0.022	0.66	176.6 NSD1 exon 1a	0.46	-9.5 *	.
30	5 a	166.10	166.16	-0.06	166	2103	6.8	14248	0.510	0.969	0.047	0.78	176.6 NSD1 exon 1	0.53	-9.8 *	.
50	5 c	319.59	319.49	0.10	319	845	7.8	6622	0.329	0.701	0.024	1.08	176.6 NSD1 exon 2	0.47	-15.2 *	.
48	5 c	299.82	299.81	0.01	301	708	7.7	5478	0.272	0.510	0.027	0.71	176.6 NSD1 exon 3	0.53	-8.7 *	.
26	5 a	141.34	141.37	-0.03	142	2032	6.6	13448	0.481	0.944	0.021	1.68	176.6 NSD1 exon 4	0.51	-21.8 *	.
46	5 b	283.33	283.29	0.04	283	889	7.5	6660	0.363	0.639	0.033	0.73	176.6 NSD1 exon 5	0.57	-8.4 *	.
43	5 b	266.77	266.67	0.10	265	531	7.0	3719	0.203	0.443	0.023	0.74	176.6 NSD1 exon 6	0.46	-10.6 *	.
33	5 a	185.22	185.20	0.02	184	2140	6.9	14737	0.527	1.010	0.023	1.64	176.6 NSD1 exon 7	0.52	-20.8 *	.
40	5 b	239.99	239.87	0.12	238	1736	7.3	12607	0.688	1.235	0.041	1.15	176.6 NSD1 exon 8	0.56	-13.5 *	.
47	5 c	291.40	291.35	0.05	292	1306	7.5	9757	0.485	1.004	0.045	0.84	176.6 NSD1 exon 9	0.48	-11.5 *	.
35	5 b	201.28	201.34	-0.06	202	2207	7.0	15497	0.846	1.654	0.097	0.64	176.6 NSD1 exon 10	0.51	-8.3 *	.
41	5 b	248.78	248.61	0.17	247	951	7.2	6894	0.376	0.718	0.034	0.79	176.6 NSD1 exon 11	0.52	-10.0 *	.
65	5 d	444.18	444.30	-0.12	445	409	9.5	3891	0.249	0.527	0.032	0.63	176.6 NSD1 exon 12	0.47	-8.7 *	.
27	5 a	146.32	146.37	-0.05	148	2411	6.6	15908	0.569	1.092	0.027	1.53	176.6 NSD1 exon 13	0.52	-19.4 *	.
39	5 b	229.49	229.39	0.10	229	1383	6.9	9589	0.523	0.963	0.046	0.79	176.6 NSD1 exon 14	0.54	-9.6 *	.
53	5 c	346.09	346.03	0.06	346	403	8.4	3369	0.168	0.343	0.017	0.78	176.6 NSD1 exon 15	0.49	-10.6 *	.
29	5 a	158.97	159.01	-0.04	160	1462	6.9	10092	0.361	0.674	0.024	1.04	176.6 NSD1 exon 16	0.54	-12.9 *	.
37	5 b	211.54	211.49	0.05	211	979	7.0	6847	0.374	0.714	0.025	1.06	176.6 NSD1 exon 17	0.52	-13.4 *	.
60	5 d	399.45	399.61	-0.16	400	1101	8.9	9810	0.629	1.296	0.036	1.34	176.6 NSD1 exon 18	0.49	-18.4 *	.
63	5 d	426.32	426.42	-0.10	427	926	9.7	8991	0.576	1.109	0.040	1.04	176.6 NSD1 exon 19	0.52	-13.2 *	.
62	5 d	417.10	417.23	-0.13	418	457	9.1	4141	0.265	0.550	0.031	0.67	176.6 NSD1 exon 20	0.48	-9.3 *	.
66	5 d	453.10	453.20	-0.10	454	1232	9.7	11933	0.765	1.495	0.038	1.47	176.6 NSD1 exon 21	0.51	-19.1 *	.
55	5 c	364.01	364.06	-0.05	364	1555	8.7	13569	0.675	1.180	0.039	1.14	176.6 NSD1 exon 22	0.57	-13.0 *	.
52	5 a	177.32	177.28	0.04	178	2119	6.9	14540	0.520	1.009	0.036	1.07	176.6 NSD1 exon 23	0.52	-13.7 *	.
<b>NSD1</b>					Mean	1264	7.7	9409	0.455	0.882	0.035	1.00	(CV: 0.06)	<b>0.51</b>	<b>P= 0.000%</b>	
59	5 d	391.11	391.19	-0.08	391	1672	9.3	15488	0.993	0.998	0.048	1.01	180.0 5q34-q35	0.99	-0.1	.
34	5 b	193.07	193.09	-0.02	193	3946	7.0	27615	1.507	1.564	0.077	0.99	180.6 5q35.3	0.96	-0.7	.
<b>After NSD1</b>					Mean	2809	8.1	21552	1.250	1.281	0.063	1.00	(CV: 0.02)	<b>0.98</b>		
<b>Mean values</b>			-0.01			1795	7.9	13636	<b>0.664</b>	0.930	0.035	3		0.69	Total of all except	
<b>Standard deviations</b>			0.09			(Coef. of variance: 0.547)			0.336	0.304				0.24	Ctrl and '?' peaks	
<b>Quality assessment</b>			<b>Quality limits</b>			<b>Quality</b>			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.							
Not evaluated as < 2 Q-fragments			>0.65 (1.50)						<b>High significance P= 0.000%</b>							
Mean height of first probes AB			> 450 ( 800)			3398			<b>Female &amp; male ref.</b>							
Mean height of last probes CD			> 280 ( 500)			2000			<b>Loss of NSD1</b>							
Ratio of mean heights AB/CD ('slope')			<3.00 (2.50)			1.70										
CV of Control Probes			<0.20 (0.15)			0.02										
3 unidentified peak areas / 42 peak areas			< (0.02)			0.01										

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 412 (14 peaks), 100\*CV of ROX heights for peaks above 100 nt is: 9.52

(Ctrl probes are used for quality evaluation only)