

Table S1

<u>Probe Set</u>	<u>Target</u>	<u>Size</u>	<u>Complexity</u>	<u>Density</u>	<u>Mining Parameters</u>	<u>Synthesis Method</u>
Xq28 "X1"	hg38 chrX:149,681,511-151,005,677	1324 kb	5,415	4.1 probes/kb	40-45mers, 47-52°C T_m , UM, no kmerFilter	Gel Extraction
Xq28 "X2"	hg38 chrX:151,015,314-153,048,806	2033 kb	6,482	3.2 probes/kb	40-45mers, 47-52°C T_m , UM, no kmerFilter	Gel Extraction
Xq28 "X3"	hg38 chrX:153,051,165-153,868,151	817 kb	4,776	5.8 probes/kb	40-45mers, 47-52°C T_m , UM, no kmerFilter	Gel Extraction
19p13.2 1035 kb	hg19 chr19:11,725,035-12,760,026	1035 kb	3,678	3.6 probes/kb	36-41mers, 42-47°C T_m , 47°C LDM, kmerFilter -m 18 -k 5	T7
19p13.2 20 kb	hg19 chr19:13,689,983-13,709,902	20 kb	104	5.2 probes/kb	36-41mers, 42-47°C T_m , 47°C LDM, kmerFilter -m 18 -k 5	T7
Xist RNA	hg38 chrX:73,841,382-73,852,735	11 kb	167	15.2 probes/kb	36-41mers, 42-47°C T_m , 42°C LDM, kmerFilter -m 18 -k 5	Commercial Column Synthesis