

Additional File 5. qPCR primers for CTCF binding sites.

Name	Forward sequence	Reverse sequence
CTCF-Chr2	GGTTACCAAACCAGGTAAGATTTG	CTGCTCAGAAGAAGAAACTGGA
CTCF-Chr16	CATGTATGCCTACTTGCCAGA	TGCTCTTACAGAGGTCCTGA
CTCF-Chr15	CACCCACATGGCAGCTAATA	CTGCTTGTGTGTGCACTTTATG
CTCF-Chr4	ACCACTGACTGCTGAAAGTT	CTGTTAGAAGGACTGACTGGTG
CTCF-Chr1-1	ACTATGCATGCAGTACCTGTG	TGGCTCACGACTGTCTCTAA
CTCF-Chr1-2	GTACATGTAGTGCTCACAGAGG	CAATGGCTGCTCTTCCAGTA
CTCF-Chr7	TGCATCATGTGTGGACCTAAT	CAATTCCCAGAGCCCATGTA
CTCF-control1	GGTCCTGAACCCTTGAGAGA	GCCCTCTAGTGGCAAAGAAA
CTCF-control2	GGCGATGAACTTTACCCATC	TGTTTGCTATAAAACAGGACCAGA