

Zuin et al., Table S6

Primers used for ChIP/qPCR and RT-PCR/qPCR

ChIP/qPCR primer

Name	forward	reverse	Position (hg18)
<b>cohesin binding sites</b>			
chr22_11	GGCTCAGGACAGAAGTGACC	AGGTCGGCAGAGGCTCC	chr22:31255080-31255266
chr22_12	ACATGTGGCCAGCTCAGG	GGCGCTATAAGCCAGAGAAC	chr22:31522929-31523153
STAT3_3	CCTCCCTTACCGCTGATGTC	CTAAGCCTCCAGGCACCTTC	chr17:37728538-37728637
KCNQ1_1	AGGACCCGCATGAGGGATTC	CCGCATATCCCTGGTTCAGC	chr11:2510878-2511089
KCNQ1_2	AAAGGTGTTTGCAGCCCTTG	AACATCGTGCTCTCGGAATC	chr11:2510713-2510912
<b>NIPBL binding sites</b>			
OSBP	GCTGCTGTTTCCGCCATTCATTTCC	GCTGATACCAACCACCAATCCATGAG	chr11:59140122-59140236
HMGCS1	AATGACGGAGCTGCGAGATAC	TTGCTAGGCAACCTGACAGAC	chr5:43349567-43349749
DUSP10	TCGGCTTATTGATCTCCAG	AGAGCAGCTTCGGATAAACC	chr1:219982022-219982252
STAT3_1	CCTCCCTTACCGCTGATGTC	CTAAGCCTCCAGGCACCTTC	chr17:37728538-37728637
GPR108	GGAGAGCCGATAACGCTTAAC	GCCGGATATCAGATCCATGAC	chr19:6688766-6688880
GLCCI1	CACCTACCTCAAGGCTGTCAAC	GCGAGCATTTCATTGGCTTAG	chr7:7974693-7974884
MYH9	GCAGACGTATTGGCCTGTGG	GCCGCCTCCTGATTGGATTC	chr22:35114119-35114326
STAT3_1	CCGGAACCGCTGAATTAC	TAGCTGCTCTCCTCATTGG	chr17:37794031-37794204
ARTS1	TAGCGTTGCGAGGGTTAGG	GCACTTTGCCACGACAGAG	chr5:96169763-96169976
ZNF695	TCTGGCTGCACGCCTGATTG	GGTCAAGTGCCGTGAGGAATG	chr1:245238016-245238199
TSPAN31	ATGCGGGTTGATTGGCATGCAG	AGGCCAGCCAAACCAATACTC	chr12:56424994-56425106
LMBR1L	CTCTCCAGGAGCCAATGAGTTC	CGCGCTCACGTTTCAATG	chr12:47,790,854-47,790,999
<b>control</b>			
AMY	TCTGCTGGGCTCAGTATTCCTC	TGTTGCCAAGCTTACG TAG	chr1:104000510-104000730
<b>Repeats</b>			
LSU_2	CAGGTGCAGATGTTGGTGGTAG	GAACCGGACTCCCTTTTCGATTG	chr1:107914874-107915060
LSU_8	GCCGCCACAAGCCAGTTATC	AACCTCCCGTGGAGCAGAAG	chr1:91625487-91625643
LSU_9	ACTCAGGATTGGCGTCTTCCG	AGCAGTTGAACACGGGTCAG	chr2:229753693-229753871
LSU_10	TGCGGTAACGTGACCGATCC	TTTCAAGGGCCAGCGAGAGC	chr5:71182503-71182673
LSU_11	GCTCAACAGGGTCTTCTTTCC	AGCCAAATGCCTCGTCATC	chr8:70764913-70765053
SSU_5	GCTGGATAGCTGGATAGCTGTC	GAAGGGCAACTGCTTGG AATG	chr15:86163096-86163239
SSU_6	GCCGGACTTATCAAGGCAAAC	ACAGGTCTGTGACGCTCATAG	chr5:174474329-174474548
SSU_7	GTAGGGCAAGTCTGGTGCCAAC	CTGCTCCCGAGATCCAAC TACG	chr7:80800911-80801011

RT-PCR/qPCR primer

Name	forward	reverse	Gene
TC27	CATGGTGCAGAGCACTGAAG	GGTACTATGCAGGATGATGG	ARTS1
TC25	AGCGGAGTTTGTATAGGG	GTTTGGCTGTCTTCTCTG	ZNF695
TC30	AGGCGAACCTCCTCTTTGG	GACGCAGAACGCTGATGTG	GLCCI1
TC31	TGTCCAGCATCCACATCATC	TAGCCAGACATGAGCAAGAG	TSPAN31
TC34	GGAATCCTGCTGCATCAC	TCGTCTCCTCTTCTTCC	BBX
TC41	AAGCAGTGGCTGGTATGAAG	TGAACACAAAGCGCTAGAGG	NIPBL
TC48	CACCTGAGCCCAGGAGATTG	TGCCTTCTGCGACCTTG	MAU2
TC35	ACTGGCTACTGCGTACATCC	AGATGCGCCTATCTCTTCC	NADH
TC143	CCAGCAGCGACTCTGAGGAGGAACAAG	GTTTGTGTGGCTCCAGCAGAAGGTG	MYC