

Supplemental Table 1 : Primers used in ChIP-assay

Primer name	Forward primer	Reverse primer	Fragment Amplified
rCalb-ChIP-p1	5'-GAGCGGAGAAGAGATGGGTA-3'	5'-CTCCCTGCCTTGCTCTGAAT-3'	-6777/-6536
rCalb-ChIP-p2	5'-AATGAGCATGGTGACATGGA-3'	5'-TGCAGATGTTTCAGGGATGA-3'	-5435/-5310
rCalb-ChIP-p3	5'-TTCTCATTTTGGAGTCTTTTCTC-3'	5'-TTTGGTCGGTTGCTTTACAT-3'	-2940/-2970
rCalb-ChIP-p4	5'-CCTGAGACTGAACGGAGAGG-3'	5'-CACCCCTTTGACTTGCTTGT-3'	-1396/-1240
rCalb-ChIP-p5	5'-CCACCTGCTGCTTCCTAGAC-3'	5'-CCGCACCCAGTTCTCAGTAT-3'	-3206/-93
rINS	5'-CTGGGAAATGAGGTGGAAAA -3'	5'-CGTGGTGCAGCGGCTAGTTTG-3'	-140/+139
mCalbindin-ChIP-p7	5'-CACCCGGGTACCGTGCGGAGAAC TCCGGAGGAC-3'	5'-CGTGGTGCAGCGGCTAGTTTG-3'	-36/+139

Supplemental Table 2: Primers pairs used for qPCR gene expression in rat mouse and human samples.

Rat qPCR primers

Primer name	Forward Primer	Reverse Primer
D28K	AGGAAAGGAGCTGCAGAACT	CCCATCATCTCTCTGCCCCAT
NFATc1	CCTAATTCCCTGGTGTCTGGA	GCTTCCCGTTGCAGACATAG
NFATc2	ATCACCGAGCCCACTATGAG	GCTTGTTCTCCATGTAGCCG
NFATc3	GTGGCCATCCTGTTGTGAAG	GCACCTGGTAAATGCGTGA
NFATc4	GAGGGGAGGAGCTAGTGTTG	TGGTCAGAGTCAGTGTACC
NFAT5	TCCTACGGTGAAGCTGGAAG	TGCCTTCGATGTCCACTTCT
GRP78	CCGAGGCGTATTTGGGAAAG	ATAGTGCCAGCATCCTTGGT
ChgA	ACAACACAGCAGCTTTGAGG	GTCCTTCTGTGGTTCCCTCA
ChgB	GAAATGGTGACTCGCTGCAT	ACTCTTCTCAGGACTTGCC
Ccnd1	GCGTACCCTGACACCAATCT	GGCTCCAGAGACAAGAAACG
Ccnd2	TTACCTGGACCGTTTCTTGG	TGCTCAATGAAGTCGTGAGG
Ccne1	GACAGCTAGCGCGGTGTAG	GTTGCTGTGGTCCCTTCGAGT
Cdk1	CCGAAATCTGCCAGTTTGAT	CTGGCCAGTTCATGGATTCT
Cdk2	CATTCCTCTTCCCCTCATCA	GTACGGACAGGGACTCCAAA
Cdkn1a/p21	CTTGTCGCTGTCTTGCACTC	AGGCAGAAGATGGGGAAGAG

Mouse qPCR primers

Primer name	Forward Primer	Reverse Primer
D28K	TCTGGCTTCATTTTCGACGCTG	ACAAAGGATTTTCATTTCCGGTGA
NFATc1	CCGTTGCTTCCAGAAAATAACA	TGTGGGATGTGAACTCGGAA
NFATc2	CCAATCAGTCGGGCTCCTAT	GCTTGTTCTCCATGTAGCCG
NFATc3	GTGGCCATCCTGTTGTGAAG	AGTAATCCGATGCACCTGGT
NFATc4	ATCCCCGAGTACAGCAACAA	GATGAGTCTGGTAGGGGCTC
NFAT5	TGGGCGAAATACAACTCCCT	CATCGGCATTCTCAGCTTC
GRP78	ACTTGGGGACCACCTATTCT	ATCGCCAATCAGACGCTCC
BDNF	CACTTTTGAGCACGTGATCGA	CGTTGGGCCGAACCTTCT

Human qPCR primers

Primer name	Forward Primer	Reverse Primer
NFATc1	GGACATCGGGAGGAAGAACA	ACAGGACCATCTTCTTCCCG
D28k	TCATCCCTCATCACAGCCTC	AGTTCTGCAGCTCCTTTCCT