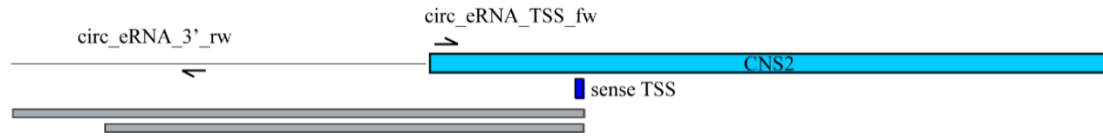


Supplementary figure 1

A)



SENSE eRNA 1

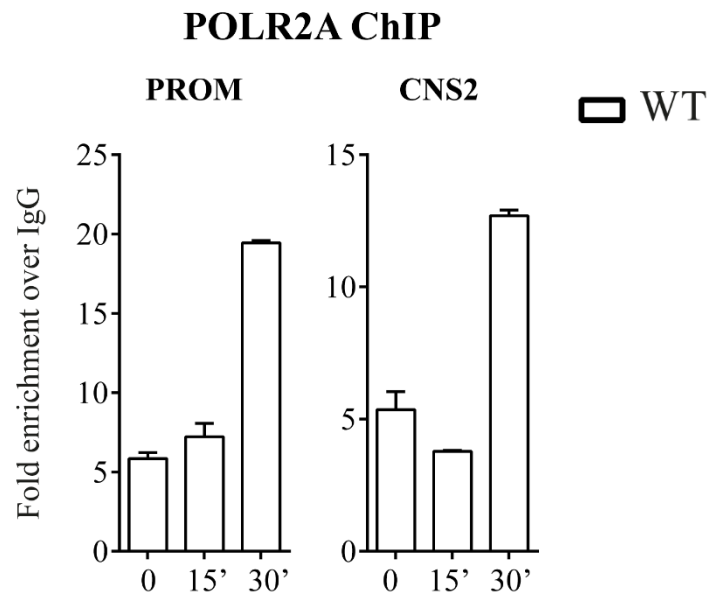
TOPOTA vector **circ eRNA TSS fw**
AGCGGCCGCGAATTGCCCTT ACCTCTTTATAAAAACACAGATGGCAATAAATATGTAACCTTTCCATTTTAGGGANACATTTTATGTGT
 CTTCTTTCATAAATGATATGTTAAAAAATTAAGTGATATTTTAGGGCAGAAATTATCATTACATTTTCATCGTGTAGCTGAGAAAA
 TAGTATAGCCGAGGCTTAGAGAAATTAGTGCGGGGACAAGGTTGGCAAAAGCTTTTCAGGACA CCAAAACCTCAATCTTTTCTTCA
SENSE TSS
 TTTATCTTCCCTCCCTCCATAATTCTTTCTATTTTCTTAAGTGTGAGAAATCTCTTTAATTTGAGAAAGCAATCAATTTAAACTCA
 CAGTGAATAATGGTTG CTTGCCACTGTCCTAGCTGACACATGC **AAGGGCGAATTCGTTTAAACCTGCAGGACTAGTCCCTTTAGTGA**
circ_eRNA_3'_rw

SENSE eRNA 2

circ eRNA TSS fw
GCCCTT ACCTCTTTATAAAAACACAGATGGCAATAAATATGTAACCTTTCCATTTTAGGGAGACATTTTATGTGTCTTCTTTCATAAATGA
 TATGTTAAAAAATTAAGTGATATTTTAGGGCAGAAATTATCATTACATTTTCATCGTGTAGCTGAGAAAAATAGTATAGCCGAGGCT
 TAGAGAAATTAGTGCGGGGACAAGGTTGGCAAAAGCTTTTCAGGACA CCAAAACCTCAATCTTGGGTGCGTGGGAGGAGGCAGCCA
SENSE TSS
 CTGCAAGAAAAAAGTAGCCAACGTACCAAGCACATGTTGTGCAAGTGGCCTCCTGGATATCCACTGGGCCCCATGCTGCTCAAGGTC
 TTCTGCAAGAGCCTGAACCTGTTGAAAAATTAACCTTTTCTTCAATTTATCTTCCCTCCCTTCCATAATTCTTTCTATTTTCTTAAGTG
 TGAGAAATCTCTTTAATTTGAGAAAGCAATCAATTTAAACTCACAGTGAATAATGGTTG CTTGCCACTGTCCTAGCTGACACATGC
circ_eRNA_3'_rw

Sense eRNA characterization by the circular RNA technique. Primers position within the CNS2 region are indicated. Sequences of PCR products cloned in TOPOTA vector (red sequence) obtained for each eRNA are shown.

B)



POLR2A binding at CD69 promoter and CNS2 regulatory element assayed by ChIP at the basal state and after 15 and 30 minutes stimulation with PMA/IO. Data represent mean \pm SEM of two different technical duplicates.