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| Supplementary Table S1: primer sequences |  |
|  |  | FW | Rv |
| ChIP |  |  |  |
|  | TFF1 | GTTGGGAGCTAGGATGGTCA | AGTGAGTGGCGGATTTGAAC |
|  | HES | GGCTGGGTGTGATTGAAAGA | AAGGTCACAGTGGGTTGGAG |
|  | RIP140  | GACCTGGCCCAGATAGATCA | TATAATGTAGGGGCGCAACC |
|  | Myc | GGCTCACCCTTGCTGATGCT | GCTCTGGGCACACACATTGG |
|  | XBP1 | ATACTTGGCAGCCTGTGACC | GGTCCACAAAGCAGGAAAAA |
|  | GREB1 | GAAGGGCAGAGCTGATAACG | GACCCAGTTGCCACACTTTT |
|  | CCDN1 | GCCAGACAACATTAGCCACA | CCCATTTCTTAGCTGGGTCA |
|  | FOS | GGGCACTTACACACACATGC | ATGATACTCGCGAGCAGAGG |
|  | PR  | TAACGGGTGGAAATGCCAACT | TCTGCTGGCTCCGTACTGCGG |
|  | Random 1 negative control | TCTGCTGGCTCCGTACTGCGG | GGCTGATTCCCTGCCCAGCG |
|  |  |  |  |
| RT-qPCR | RIP140 | TCGCACTCACCACAGAAAAC | AGCCAAGCTCTTCTCCATGT |
|  | Myc | GCCACGTCTCCACACATCAG | TCTTGGCAGCAGGATAGTCCT |
|  | XBP1 | GCGCCTCACGCACCTG | GCTGCTACTCTGTTTTTCAGTTTCC |
|  | GREB1 | CAAAGAATAACCTGTTGGCCCTGC | GACATGCCTGCGCTCTCATACTTA |
|  | CCDN1 | TGGAGGTCTGCGAGGAACAGAA | TGCAGGCGGCTCTTTTTCA |
|  | FOS | CGTCTTCCTTCGTCTTCACC | GTCAGAGGAAGGCTCATTGC |
|  | RARA | CGCTGCTGGAGGCGCTAAAG | GCGCTGATGCTTCGCAGGTC |
|  | AREG  | GTGGT- GCTGTCGCTCTTGATA | ACTCACAGGG- GAAATCTCACT |
|  | PRA | GAGCACTGGATGCTGTTGCT | GGCTTAGGGCTTGGCTTTC |
|  | TFF1 | GTGTCACGCCCTCCCAGT | GGACCCCACGAACGGTG |
|  | HES1 | AGGCCACCCCTCCTCCTA | GTTTAGAGTCCGGAGGGAAGAGA |
|  | ESR1 | TGATTGGTCTCGTCTGGCG | CATGCCCTCTACACATTTTCCC |
|  | 18S negative control | GCTTAATTTGACTCAACACGGGA | AGCTATCAATCTGTCAATCCTGTC |