**Supplementary File 7. ChIP-qPCR primers for ESR1 binding analyses.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Gene symbol** | **RefSeq** | **forward primer sequence** | **reverse primer sequence** |
|
| ***AMZ1*** | NC\_000007.14 | tttcttgcccaaaggccaggca | ctaagcaacaagggccgccaga |
| ***GREB1 (1)*** | NC\_000002.12 | tggaggtcagctcagtcagtgt | gcgtcaagcaactacactcccac |
| ***GREB1 (2)*** | NC\_000002.12 | agggcagagctgataacgtcct | agaatgacccagttgccacact |
| ***GREB1 (3)*** | NC\_000002.12 | acctgtgtggagagcactgtgac | ggcaaatgccaccgtttcgtgt |
| ***IGFBP4*** | NC\_000017.11 | acctggtgcttaggggtggat | cagggcacgctgacttcaacag |
| ***SDK2*** | NC\_000017.11 | tcctgcatggcaggtctagtgc | gcatatttccaagccaggccagc |
| ***SMPD3*** | NC\_000016.10 | gctggctcaccctggtcaca | tccaggccactgtggggaga |
| ***SMTNL2*** | NC\_000017.11 | cccgggggaactttgatctggaa | agggtaaccgcttggtgtcc |
| *negative control locus* | NC\_000012.12 | atggttgccactggggatct | tgccaaagcctaggggaaga |