**Supplementary File 1** Primer sequences for CHIP

|  |  |  |  |
| --- | --- | --- | --- |
| **Binding site** | **Score** | **Primer Sequence** | **Length (bp)** |
| GGGGAATGCT | 4.03 | 5`CCTAATGCCCCCCTACAGAG | 221 |
| 3`TTTCAGGCACCCTCATACCA |
| GGTAAATTCT | 4.46 | 5`GGGAGAAAGAGCAGCCATAC | 201 |
| 3`ACAAACCCAAGACAAAACGG |
| CTCACTTTCC | 5.27 | 5`GGAAAGAGAAGTCTGCCGCT | 91 |
| 3`TACAGGGGAGGAAAGTGAGG |
| GGGGCTTGAC | 5.07 | 5`TCCTCCCCTGTAAGGTCTGG | 131 |
| 3`TCTCAGTGGCTTCCTGTTCA |
| TCGACTTCCC | 5.68 | 5`GAACAGGAAGCCACTGAGA | 331 |
| 3`GCAGAAAGGAGGGGTGAGTC |