**supplementary file 1d** The sequences of gene-specific primers used for ChIP assay

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| Gene name |  | sequence |
| Set1-184bp/-295 | F-Primer | TCACCTGGGCTGCTTATT |
| R-Primer | GTGTGCATCACAATTATCTGGG |
| set2-784/-967bp | F-Primer | CTCCAGGTACCTACATTTCAA |
| R-Primer | TTGTGCTTGTGTGTGTGTATATATATATG |
| set3-912/-1046bp | F-Primer | CTCAGGTGGTAAGGCATTT |
| R-Primer | CCCAAAAAAATAAATCTCAAGAATTCTTCCA |
| set4—912/-1117bp | F-Primer | GCAAGCCGCAGGTGAGGGC |
| R-Primer | GATCCGCTTCTGTCAGTCTCGCTGC |