

**Supplemental Table S4.** List of all primers used in 3C-seq experiments (using *Apol*).

| Viewpoint (TSS)     | Forward              | Reverse                     |
|---------------------|----------------------|-----------------------------|
| <i>SAMD4A</i>       | CGCAGCCGAACTTTCTTTG  | GACGGGTCCGGGTGAATTT         |
| <i>BMP4</i>         | TCAACTCACAAACCGCGA   | GGCTTTTATCTTTTCGATTAAAAATTT |
| <i>CDKN3</i>        | TGAATGGGCCACACAAATTT | ACTGCTACCAGGCTAGGG          |
| <i>EDN1</i>         | GCACTTGGGCTGAAGGATC  | TTGTTGTGTGCGGGGAATTT        |
| <i>NEDD9</i>        | AAGTCAGACACCCTCTGATC | ACAGCTGAGGATGGAAAATTT       |
| <i>HIVEP1</i>       | CGGCCTCAACCCAGCCC    | CGCAGTTTGGGGCACAGAAATTC     |
| <i>RN7SK</i> insert | GGCCTGAACAAGCTTAGATC | TTTAAAACCCACATTCTGAATTT     |