Fig. S1.

Supplementary Figure 1. (A) A correlation between POLD2 expression and SP1 expression in TNBC samples was analyzed by TCGA databases. (B) A correlation between POLD2 expression and YY1 expression in TNBC samples was analyzed by TCGA databases.
Table S1. Primers used in this study.

**Construction of POLD2 expression vector**

| Primer                | Sequence                          |
|-----------------------|-----------------------------------|
| POLD2 forward         | 5’-ATGTTTTCTGAGCAGGTGCCC-3’       |
| POLD2 reverse         | 5’-TCAGGGGCCCAGCCCCAGGCCT-3’     |

**Construction of POLD2 promoter vector**

| Primer                | Sequence                          |
|-----------------------|-----------------------------------|
| WT-POLD2 promoter forward | 5’-AAAGTATTTGACAAAATTCACACT-3’ |
| WT-POLD2 promoter reverse   | 5’-GCTAATCCCCGCAGCGCTT-3’       |
| MUT1-POLD2 promoter forward | 5’-AGTGATACGCCTTCACGGAGCGCT-3’ |
| MUT1-POLD2 promoter reverse   | 5’-CGGCTATGCACGGCGCGCTTCT-3’   |
| MUT2-POLD2 promoter forward | 5’-GGGATCCGCGGTCACGGGCTT-3’   |
| MUT2-POLD2 promoter reverse   | 5’-CGGCTATGCACGGCGCGCTTCT-3’   |

**Construction of shRNA vector**

| shRNA                  | Sequence                          |
|------------------------|-----------------------------------|
| shPOLD2-1              | 5’-GGCAGTATGGCCACATTTA-3’        |
| shPOLD2-2              | 5’-GGTGGAGGACTATTGCTTTG-3’       |
| shE2F1-1               | 5’-GCTATGAGACCTCACGTAA-3’        |
| shE2F1-2               | 5’-GGACTCTCTCGGAGAATTTTCT-3’     |

**Quantitative RT-PCR**

| Primer                | Sequence                          |
|-----------------------|-----------------------------------|
| POLD2 forward         | 5’-CCACCCGCTCATCCAAAT-3’         |
| POLD2 reverse         | 5’-CCAAGACCAGCTCGTCTTG-3’        |
| E2F1 forward          | 5’-ACGCTATGGACCTCACGTGAA-3’      |
| E2F1 reverse          | 5’-TCCTGGGTCAACCCCTCAAG-3’       |
| GAPDH forward         | 5’-GGAGCGAGATCCGCCCTAAAAAT-3’    |
| GAPDH reverse         | 5’-GGCTGTGTCATACCTTCTCATG-3’     |

**Chip-qPCR**

| Primer                | Sequence                          |
|-----------------------|-----------------------------------|
| Binding Site I forward | 5’-CTTAAAGTACGCAGCGTGGGT-3’      |
| Binding Site I reverse | 5’-AGGCCAGGTCTCTTCTCAGTGTG-3’    |
| Binding Site II forward | 5’-AGGGAAGTGACGAGACAGTACGTG-3’  |
| Binding Site II reverse | 5’-AGTGCTGTCTCCTCAGCTTG-3’      |