Primers for silencing MEG3, DNMT1 and OTUD4:

|  |  |
| --- | --- |
| ID | Primer (5’-3’) |
| sh-DNMT1-1 | GCUACGAGAUCGAGUUCAUTT |
| sh-DNMT1-2 | GGGACUGUGUCUCUGUUAUTT |
| sh-OTUD4-1 | CAGAGAGAAATTTGAAGCGT |
| sh-OTUD4-2 | AGTATAAAGAAAGCTCTGCT |
| sh-MEG3-1 | AACAGCAAAUGGCACAGGAAGAGACGC |
| sh-MEG3-2 | AUUGGAGGUGAGGAAGGAAAGCAGC |

Primers for CHIP：

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Forward primer | Reverse primer | Product length |
| Primer  | ACGGTCAATGTTCACCTCCC | CCAACGATCCCACAAGGTGA | 115 |