**Table S1**: **Real Time PCR validation of the MeDIP process.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Primer Code** | **Average Cp Value (MeDIP fraction)** | **Average Cp Value (Input fraction)** | **∆Ct** | **E = 2ΔΔCt** |
| **Gnas 2 (Methylated)** | 22.66 | 28.58 | 5.92 | 7.49 (Chr13) and 8.91 (Chr14) |
| **H19 3.3 (Methylated)** | 23.71 | 27.07 | 3.36 | 4.93 (Chr13) and 6.35 (chr14) |
| **Chr 13 (Unmethylated)** | 28.75 | 27.18 | -1.57 |  |
| **Chr 14 (Unmethylated)** | 31.05 | 28.36 | -2.99 |  |