**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  |  |