**Supplementary file 3.** Percentages of specific features included in the 150 CpG size DMRs exclusive for each of three groups.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **GROUPS** | | |
| **Features** | **Global** | **C-IVF (*vs* Natur-IVF and *In-Vivo*)** | **Natur-IVF (*vs* C-IVF and *In-Vivo*)** | ***In-vivo* (*vs* Natur-IVF and C-IVF)** |
| CpG islands | 39961/258885  15.43% | 76/417  18.22% | 53/324  16.36% | 56/448  12.5% |
| Promoters | 31159/258885  12.03% | 30/417  7.19%  \*\* | 18/324  5.55%  \*\* | 32/448  7.14%  \*\* |
| TU | 108223/258885  41.8% | 185/417  44.36% | 153/324  47.22%  \* | 185/448  41.29% |
| Intergenic | 180880/258885  69.87% | 267/417  64.03%  \*\* | 196/324  60.50%  \*\* | 295/448  65.85% |
| LINE1 | 162214/258885  62.66% | 236/417  56.59%  \* | 195/324  60.18% | 271/448  60.49% |
| LTR | 119907/258885  46.32% | 169/417  40.53%  \* | 128/324  39.5%  \* | 231/448  51.56%  \* |
| SINE | 143564/258885  55.45% | 214/417  51.32% | 170/324  52.47% | 231/448  51.56% |

\* P-value <0.05

\*\* P-value <0.01