

**S2 Table. Number of methylated cytosines.**

Sample	Genotype	CG		CHG		CHH	
		5mC	Total C	5mC	Total C	5mC	Total C
FGO							
Control <sup>1)</sup>	<i>Uhrf1</i> <sup>2lox/2lox</sup> or <i>+/+</i>	93,863,126	243,339,359	38,471,739	1,093,560,979	104,700,461	3,458,664,784
<i>Dnmt1</i> KO <sup>1)</sup>	<i>Dnmt1</i> <sup>1lox/1lox</sup>	54,479,097	151,510,932	35,152,007	807,735,328	94,863,903	2,579,198,801
<i>Uhrf1</i> KO	<i>Uhrf1</i> <sup>1lox/1lox</sup>	51,052,791	164,746,261	18,290,660	625,681,166	52,078,027	2,012,372,210
Blastocyst							
Control	<i>Uhrf1</i> <sup>2lox/+</sup>	12,091,822	84,631,546	2,823,687	444,988,284	9,010,011	1,485,909,807
<i>Dnmt1</i> mat-KO	<i>Dnmt1</i> <sup>1lox/+</sup>	8,815,301	152,115,027	3,483,740	787,122,826	10,710,159	2,492,576,562
<i>Uhrf1</i> mat-KO	<i>Uhrf1</i> <sup>1lox/+</sup>	4,501,128	129,657,719	6,175,725	675,163,607	20,286,779	2,233,844,172

The numbers obtained from all reads in the WGBS replicates.

<sup>1)</sup>Shirane *et al.*, PLoS Genet, 2013