

Repeats As Global DNA Methylation Marker in Bovine Preimplantation Embryos

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Supplementary Online Material (SOM)

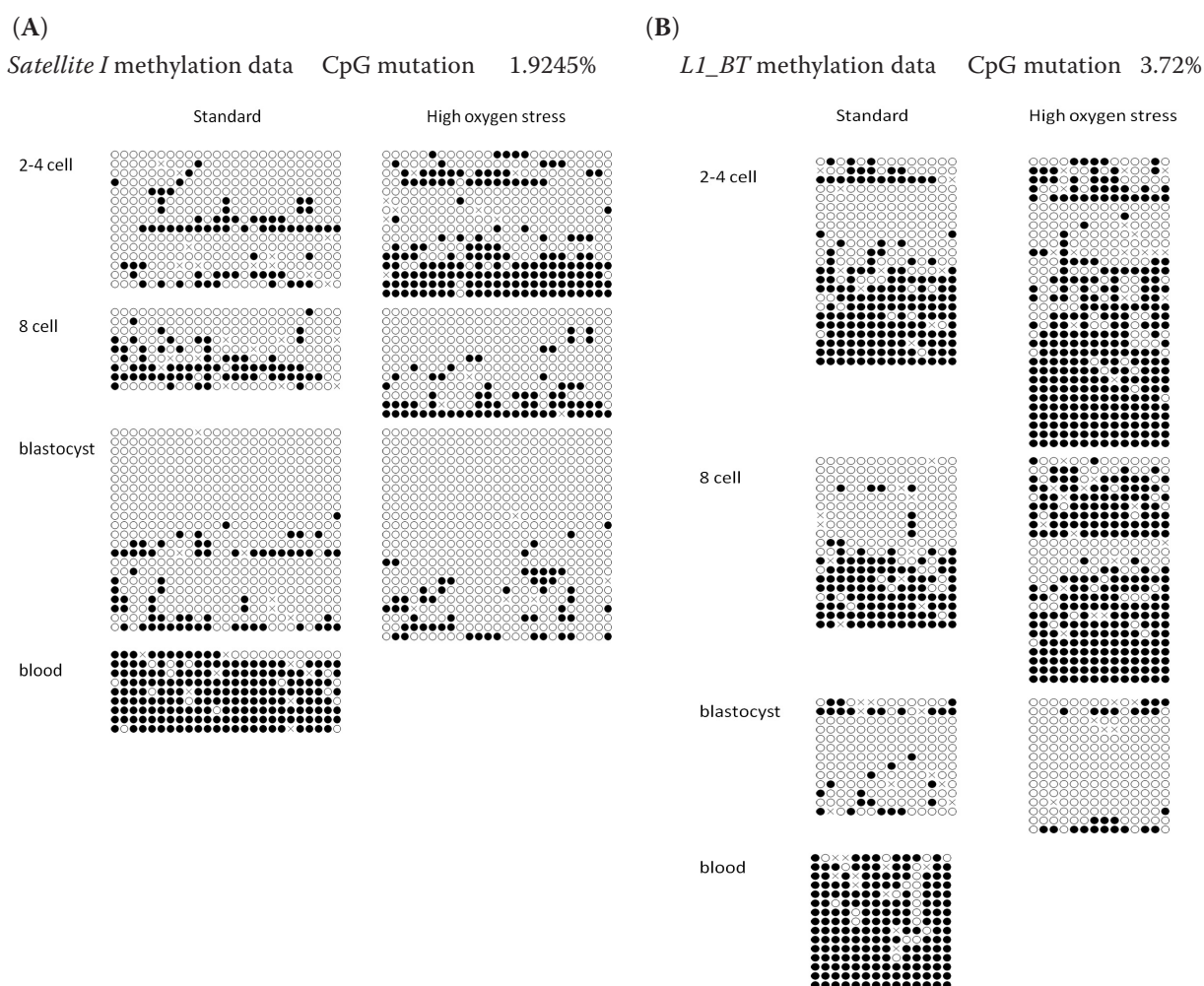


Figure S1. Methylation patterns of each CpG (filled, methylated; open, unmethylated; cross, mutation)

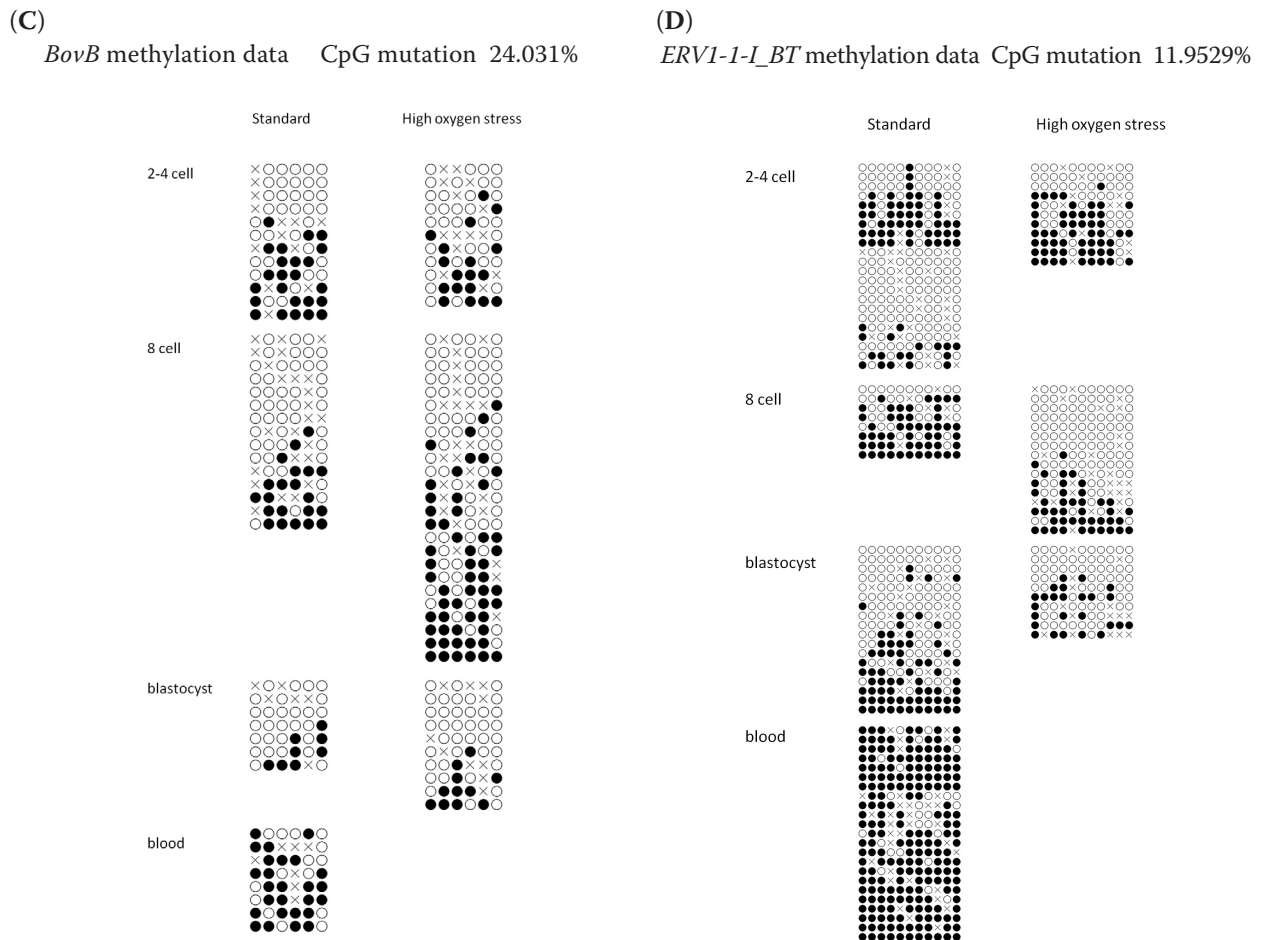


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>Satellite 1 genome
TTGGTCTCTAGGCCATGCAGGAGACCGAAGGCCCTCATCTCTCGATGACGGG
GGAATCTCGGGGTTGTTCTCGAGCGCGGCCCCAGTGTGCGTTTTCTCACG
AGGTACCGACCGCGAGGTCAGTGAGCCTCCTGGGGCGCCAGGGAAGTCG
GGTCTCCTTGCGAGTGGCGAGGGGGAGCGCGTCACTGTCTCCCGAGCCATG
GTAGGGGAATCTGGCCTCGAGACATGTTGAAGAAGGTCTCTCGAGGCCCTT
CCCGGGTTGAGGCAGGAAACCTGGGTTCCCTCGACGTGTCAGGTGACCT
CAGGGGAATTCTCATGGTGGCTCAGAGAAGCCAGGGAACTGGAGGTGATA
GGGCCTCTCGGACTCTACTGGGTTTGGTGCAAT

>L1_BT genome
TAATTAATAATTTTGGGGTTTGGACGGTTAATCATCTGCCTGAGAAGGTGCG
CCGGTTTTACACCCAGATAACCGAGTGGCGGGAGGCGATAAGTCGAGC
ATTGGCGCTCGCCAAACACCTCATCACCTGAGCTGCTCGGACCTGGGAAG
AGCACAAAACGAGGCCCACTGAGTTTTCGCTTTGAGGACTACCCGAG
TGCTGAATTTGAGCGGCTTGGACCTGGGAGGTGCATGTAGTTAGGGTTA

>BovB genome
AGGAGGGCCTAGAGGAGCTATCCCACTTGAAGGTCAGGAAGGGCGGCG
GTGAGGAGATAACCCCTCGTCCAAGGTAAGGAGCAATGGTTGCGCTTTGCTG
GAGCAGCTGTGAAGAGATATCCATGCCCAAGGTAAGAGAAACCAAGTA
AGAAGGTAGGTGTTGCAAGAGGGCATCAGAGGGCAAACACACTGAAATCA
TACTACAGA

>ERV1-1-I_BT genome
CCCCTGTACATCCCCACCCATTTCGTTGGTAGAACCGGGAGGGAAGAG
GACCGCGCCTGCGTCAGTAAGGGACAGACTAAGTCGACAGGAAGGAA
AAGCTTTTGGTGAATGTCTGTCTACACCCCATCTAGAGCAGGGAGGGA
GCCTCGGTAGAAAAATGGCGTTGGTCGCTTTTCTCTCTTACAGATGGG
AGTAAACAATT

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Figure S2. Repetitive sequence nonconverted