a). Cell lines analyzed in isolation

![Venn diagrams showing gene distribution for EJ and RT112 cell lines.](image)

- EJ:
  - H3K9m3: 29
  - H3K27m3: 69
  - Hyper 5MC: 78
  - Overlap:
    - H3K9m3 and H3K27m3: 4
    - H3K9m3, H3K27m3, and Hyper 5MC: 5

- RT112:
  - H3K9m3: 36
  - H3K27m3: 74
  - Hyper 5MC: 153
  - Overlap:
    - H3K9m3 and H3K27m3: 17
    - H3K9m3, H3K27m3, and Hyper 5MC: 6

b). Genes with low expression in both cancer cell lines

![Venn diagrams showing gene distribution for genes with low expression in both cell lines.](image)

- EJ:
  - H3K9m3: 5
  - H3K27m3: 27
  - Hyper 5MC: 28
  - Overlap:
    - H3K9m3 and H3K27m3: 2
    - H3K9m3, H3K27m3, and Hyper 5MC: 4

- RT112:
  - H3K9m3: 6
  - H3K27m3: 27
  - Hyper 5MC: 33
  - Overlap:
    - H3K9m3 and H3K27m3: 2
    - H3K9m3, H3K27m3, and Hyper 5MC: 6

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Supplementary figure 3: Epigenetic gene silencing in malignant cells when compared to NHU