







chrX

methylation matrix

| | region 1 | region 2 | | region M |
|------------------|----------|----------|---|----------|
| cell 1 | 11% | 88% | | 45% |
| cell 1 cell 2 | 8% | 92% | | NA |
| cell 3 | 25% | NA | | 33% |
| | | | | |
| cell N | 0% | 88% | | 42% |
| | met | hvlation | % | |

methylation %

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| ı | region 1 | region 2 | | region M | | |
|--------------------------------|----------|----------|-----|----------|--|--|
| | region i | Togion 2 | ••• | | | |
| cell 1 | -0.012 | -0.041 | | +0.429 | | |
| cell 2 | -0.142 | +0.136 | | NA | | |
| cell 3 | +0.242 | NA | | -0.182 | | |
| | | | | | | |
| cell N | -0.543 | +0.057 | | +0.018 | | |
| shrunken mean of the residuals | | | | | | |



