dna\_methylation

Charles

Last compiled on 29 Juli, 2023

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## Introduction

Epigenetic mechanisms regulate gene expression. Certain technologies enable us measure some epigentic endpoints. One example is DNA methylation. DNA methylation is a chemical process that occurs around genes and which is capable of silencing gene expression. In this project, I will analyse DNA methylation data for the whole genome and relate it to phenotypic variation.

It has been studies that when part of a genome is methylated, the gene close to it is not expressed. It is inherited at mitosis.

A CpG is a C, followed by a G but from the end to the end.