average CpG→TpG/CpA substitution rate in CGIs with CpG→TpG/CpA<0.03984 and SPM–LM

average CpG→TpG/CpA substitution rate in CGIs with CpG→TpG/CpA≥0.03984 and SPM–HM
average A/T→G/C substitution rate in CGIs with CpG→TpG/CpA<0.03984 and SPM–LM

![Bar chart showing A/T→G/C substitution rates in different types of CGIs for H1-HM coding, non-coding, LM coding, non-coding, and intragenic with RRBS_Sperm4 and RRBS_Sperm3 datasets.](image1)

average A/T→G/C substitution rate in CGIs with CpG→TpG/CpA≥0.03984 and SPM–HM

![Bar chart showing A/T→G/C substitution rates in different types of CGIs for H1-HM coding, non-coding, LM coding, non-coding, and intragenic with RRBS_Sperm4 and RRBS_Sperm3 datasets.](image2)
average G/C→A/T substitution rate in CGIs with CpG→TpG/CpA<0.03984 and SPM–LM

average G/C→A/T substitution rate in CGIs with CpG→TpG/CpA≥0.03984 and SPM–HM