

Transcription vs Metilation

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```
library(ggplot2)
library(reshape2)
```

1 Taules Resum

1.1 Regió 5'

```
## [1] "10G"
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    11.28  30.53   42.98   40.40   51.08   73.44
## [1] "1.2B"
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    10.52  29.59   41.77   40.41   48.67   77.90
## [1] "A7"
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##     5.56  21.81   30.12   29.55   38.11   58.04
## [1] "C2"
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    4.581 12.389 16.740 16.872 21.238 31.232
## [1] "E5"
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##     5.08  17.66   24.89   24.97   33.15   51.76
```

1.2 ORF

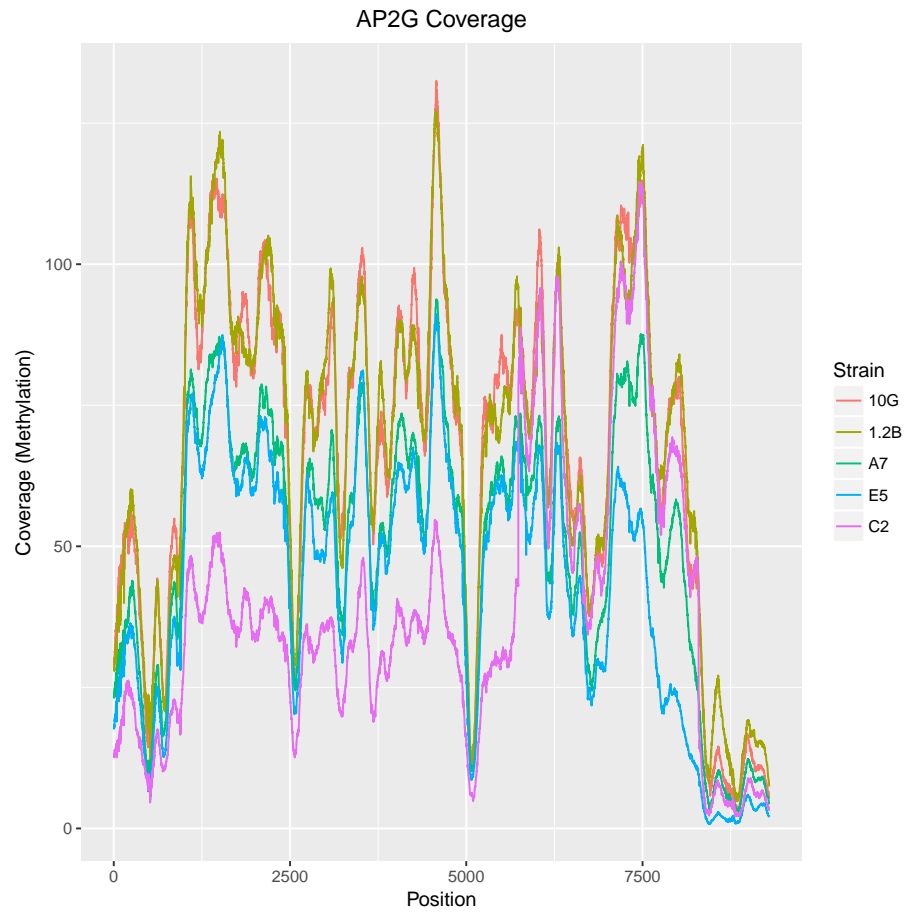
```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    10.31  66.11   79.51   78.46   92.62  132.52
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    11.60  67.29   80.06   78.89   92.90  127.29
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    10.13  49.79   61.61   59.44   71.20   93.74
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    4.831 32.648 38.811 46.081 53.802 114.518
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    8.573 39.413 55.289 51.499 63.227  91.169
```

1.3 Regió 3'

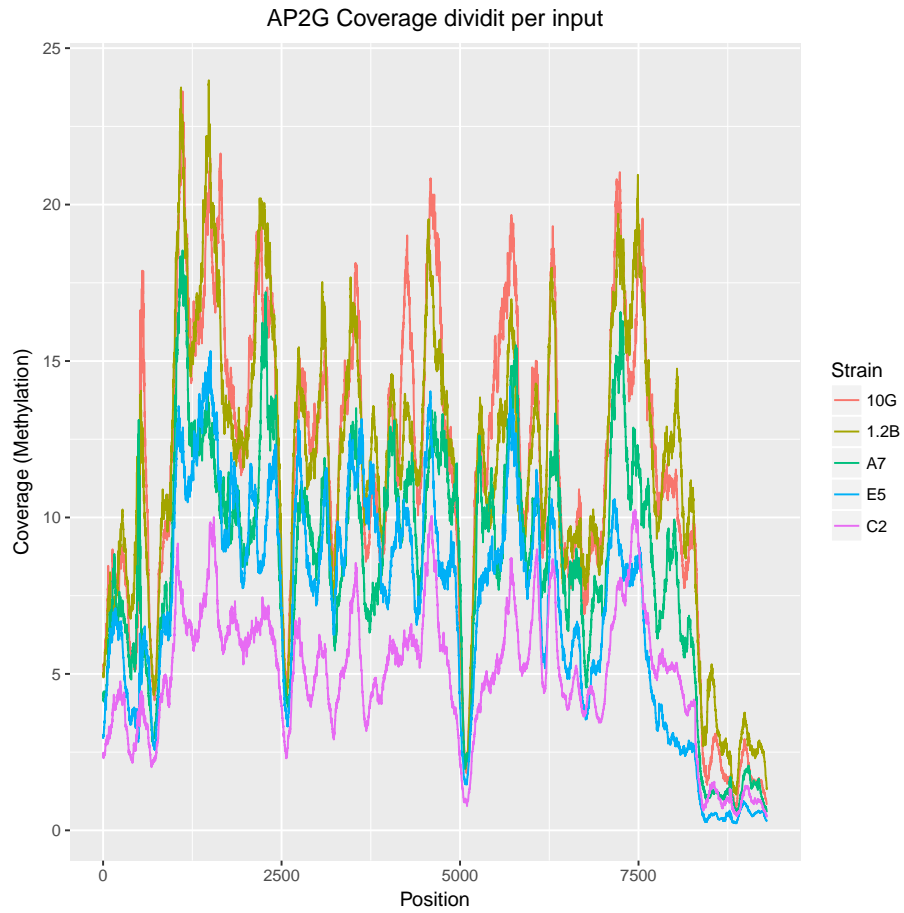
##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	2.891	7.493	10.409	11.215	12.818	40.575
##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	4.807	11.271	15.083	15.651	18.253	42.265
##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	2.994	5.297	7.814	7.895	9.344	22.439
##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	2.165	4.060	5.580	5.707	6.934	17.490
##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.7938	1.5479	2.4806	2.9586	4.0980	9.4463

2 Gràfics

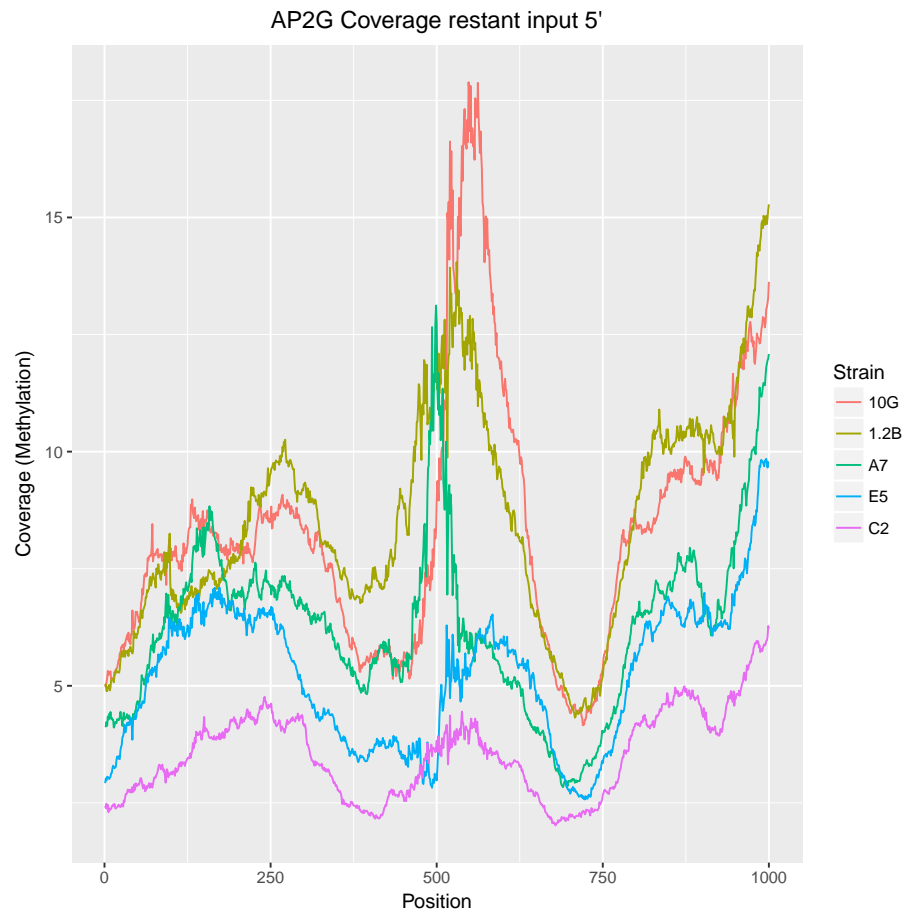
2.1 Coverage



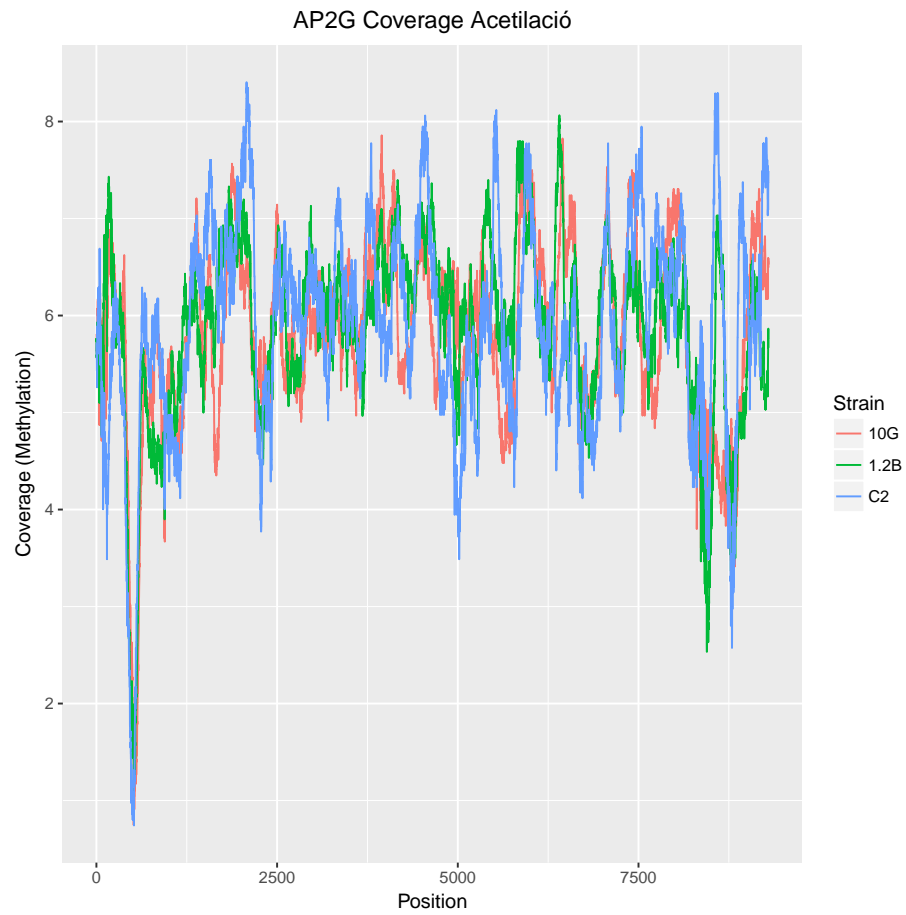
2.2 Coverage Normalitzat



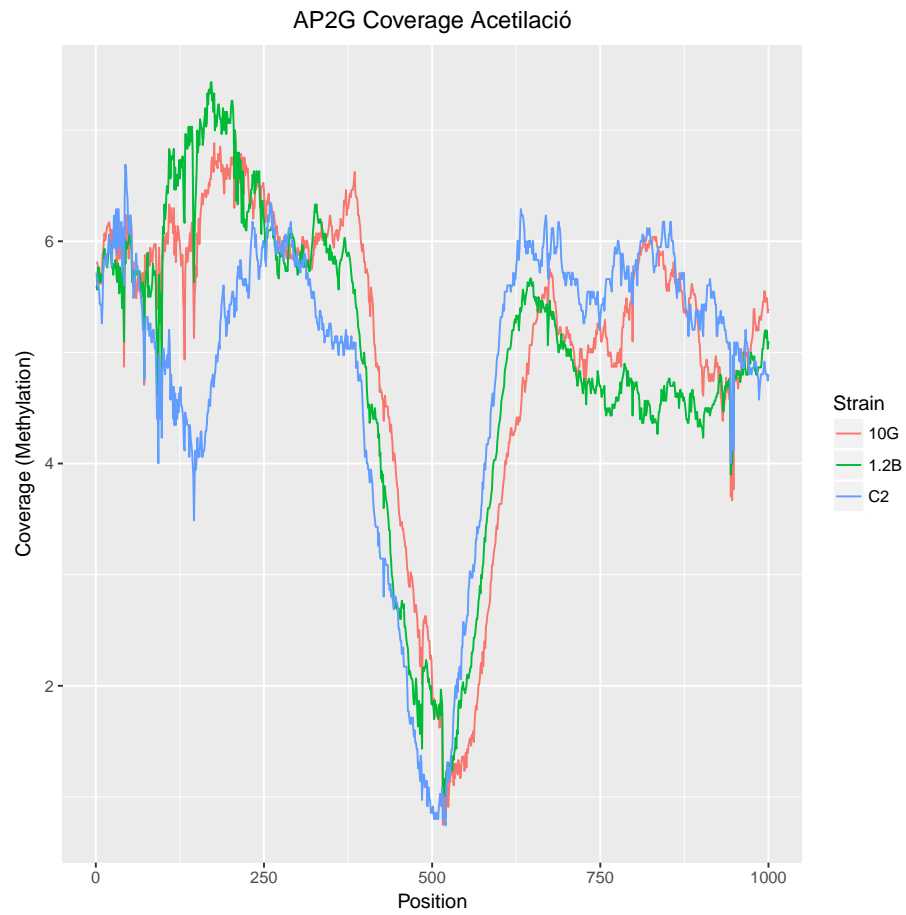
2.3 Coverage Normalitzat a regió 5'



2.4 Coverage Acetilació



2.5 Coverage Acetilació a 5'




```

df_ac_met <- df_ac[, -4] / df[, c(1, 2, 5)]
df_ac_met["pos"] <- df$pos
df_ac_met_m <- melt(df_ac_met, id = "pos")

p <- ggplot(df_ac_met_m, aes(x = pos, y = df_ac_met_m$value, colour = df_ac_met_m$variable))
p + geom_line() +
  labs(title = "AP2G Coverage Acetilació", x = "Position", y = "Coverage (Methylation)",
        theme(plot.title = element_text(hjust = 0.5)))

```

