

Week 7 - Sequencing

Pham Vo

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Section 1. Proportion of G/G in a population

```
mxl_data <- "373531-SampleGenotypes-Homo_sapiens_Variation_Sample_rs8067378.csv"
mxl <- read.csv(mxl_data)
head(mxl)
```

```
##      Sample..Male.Female.Unknown. Genotype..forward.strand. Population.s. Father
## 1              NA19648 (F)                                A|A ALL, AMR, MXL      -
## 2              NA19649 (M)                                G|G ALL, AMR, MXL      -
## 3              NA19651 (F)                                A|A ALL, AMR, MXL      -
## 4              NA19652 (M)                                G|G ALL, AMR, MXL      -
## 5              NA19654 (F)                                G|G ALL, AMR, MXL      -
## 6              NA19655 (M)                                A|G ALL, AMR, MXL      -
##      Mother
## 1      -
## 2      -
## 3      -
## 4      -
## 5      -
## 6      -
```

```
table(mx1$Genotype..forward.strand.)
```

```
##
## A|A A|G G|A G|G
## 22 21 12 9
```

```
table(mx1$Genotype..forward.strand.)/nrow(mx1) * 100
```

```
##
##      A|A      A|G      G|A      G|G
## 34.3750 32.8125 18.7500 14.0625
```

```
nrow(mx1)
```

```
## [1] 64
```