

Question about SNP50k alleles?

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Jan. 22nd, 2014

MaizeSNP50k from illumina's website

```
map2 <- read.csv("../data/MaizeSNP50_A.csv")
head(subset(map2, SourceStrand == "BOT"), c("Name",
      "IlmnStrand", "SNP", "SourceStrand", "SourceSeq",
      "TopGenomicSeq"))
```

```
##      Name IlmnStrand  SNP SourceStrand
## 6    ba1.5        TOP [A/G]          BOT
## 8    ba1.7        TOP [A/G]          BOT
## 10   bt2.2        BOT [T/C]          BOT
## 11   bt2.4        BOT [T/C]          BOT
## 12   bt2.5        TOP [A/G]          BOT
## 14  csu1138.3      TOP [A/G]          BOT
##
## 6  AGGCCGCGCTGATGCAGCACGAGGAAGGATGYCATGCTGAGCTCGCCGCCTATTCCGCGG[T/C]GGCGGTGGTTGGTGACAACGAGGTGACACTCGCGT
## 8  CTTCCTCGAGGAGCCTGCAGACGCATGCTACTCTGTGTGTGACCTCGACGACGGGGACAC[T/C]GGTCTGCCCGGCTCTTACTAGAGTAGTAGAGAAG
## 10 CGCAGCCGCGGAGTGTCATCTCGATGCCCGTGGCGCGGAGCCGGTCGTTCTCTCTCC[T/C]CGCGCGCGGTGGCTGACTCCAAGAGCTCCAGACC
## 11 TTCTGAWTNCCTCAAATGCAAAATCTGCCATTTCTATAACATGCACATTCCACACCATAT[T/C]CACATTTTNCCTCATTGCATTTCTCGCTTCACACAT
## 12 TGAGTTTGCTGAGAAACCGAAAGGAGAGCAGTTGAAAGCAAYGATGGTACACATAATATG[T/C]TTTCTTTTCAAGCTAAGTTGATTTACATTTGTGGA
## 14 NAAACCACAACSTGAGCCTGAGTACCACCCMCCTACACCGACCTATGGATCACCGACTCC[T/C]ATCTACCACCCTCCGGCCAAGCATTGATCGATGGA
##
## 6  TCGCATGCGCCGGTACGACCATGGGACGCGAGTGTACCTCGTTGTACCAACCACCGCC[A/G]CCGCGGAATAGGCGGCGAGCTCAGCATGRCATCCT
## 8  AMACACGGGATGCTACCTTAAGAACTTCTACTACTACTCTAGTAAGAGCCGGGCAGACC[A/G]GTGTCCCGTCGTCGAGGTCACACACAGAGTAGCA
## 10 CCGTGCTGGCGTCGGGGTCCAGGCAGGTCTGGGAGCTCTTGAGTCAGCCACCGCGCGCG[A/G]GGAGAAGACGAACGACCGGCTCCGCGCCACGGGCA
## 11 GATGTGTGTATTTCGAGAAAAAATGATGTGTGAAGCGAGAAATGCAATGAGNAAAATGTG[A/G]ATATGGTGTGGAATGTGCATGTTATAGAAATGGCA
## 12 ATATTGTAGGTTTACAAAATGATTGTCCACAAATGTAATCAAGTTAGCTTGAAAGGAAA[A/G]CATATTATGTGTACCATCRTTGCTTTCAACTGCTC
## 14 CGTCGATCACTGACCACCATCAACTCCATCGATCAATGCTTGCCGAGGGTGGTAGAT[A/G]GGAGTCGGTGATCCATAGGTCGGTGTAGGKGGGTG
```

SNP call

```
mex <- read.table("../data/Mexicana_TopStrand_FinalReport.txt",
      header = TRUE)
head(mex[1:10, 1:5])
```

```
##      id RIMME0021.C1.1.1 RIMME0021.C2.1.1
## 1 abph1.15              AG              GG
## 2 abph1.22              AA              AA
## 3  ae1.4                GG              GG
## 4  ae1.8                GG              GG
```

## 5	an1.3	AC	AA
## 6	ba1.5	GG	GG
##	RIMME0021.C3.1.1	RIMME0021.C4.1.1	
## 1	AG	AA	
## 2	AA	AA	
## 3	GG	GG	
## 4	GG	GG	
## 5	AA	AA	
## 6	GG	GG	