# Genetic Association Study

In this manuscript, Dr. Wang and colleagues conducted an association study between MIR137HG, and occurrence of lung cancer in a small Chinese population. As the investigation shown the rs17371457 was associated with LC in male group. The accident findings is interesting. However, I have several concerns:

Limitations: Inclusion and exclusion criterion is not clear. How the authors to make sure whether these normal individual will not have cancer in the feature? What’s the age distribution for case and control? How to guarantee the genetic difference between case and control are not caused by the population stratification since the authors enrolled not only Han Chinese, but also Northwest China? As I known, Hainan is parts of South of China, I was wondering, how the hospital collected Northwest Chinese?

In the Table 2, please add the allele frequency of these SNPs in 1000 Genome Han Chinese allele frequency and calculate P-value based on LC and 1000 Genome dataset.

Table 1 don’t have any information here and can be moved to supplementary table.

Table 3 can be moved to supplementary since none of them is significant considering multiple test correction.

Table 4 can be moved to supplementary since none of them is significant considering multiple test correction.

In term of Table 5, same with Table 2, the P-values compared with 1000 Genome should be provided.

Table 6 can be moved to supplementary since none of them is significant considering multiple test correction.

Figure 1 was constructed by the data from LC or Normal should be explained.

The authors should explain why previous LC GWAS have not identified the significant SNPs since previous GWAS have larger sample size compared with this study.

# DNA methylation Research

1. The bioinformatics tools used need citations and version numbers
2. Describe any changes to parameter settings
3. please replace "in-house perl scripts" with well documented scripts on Github after creating a repo and posting your "in-house perl scripts" to the repo.
4. Ouch!! A website link is so much worse than a github link, websites disappear so fast