

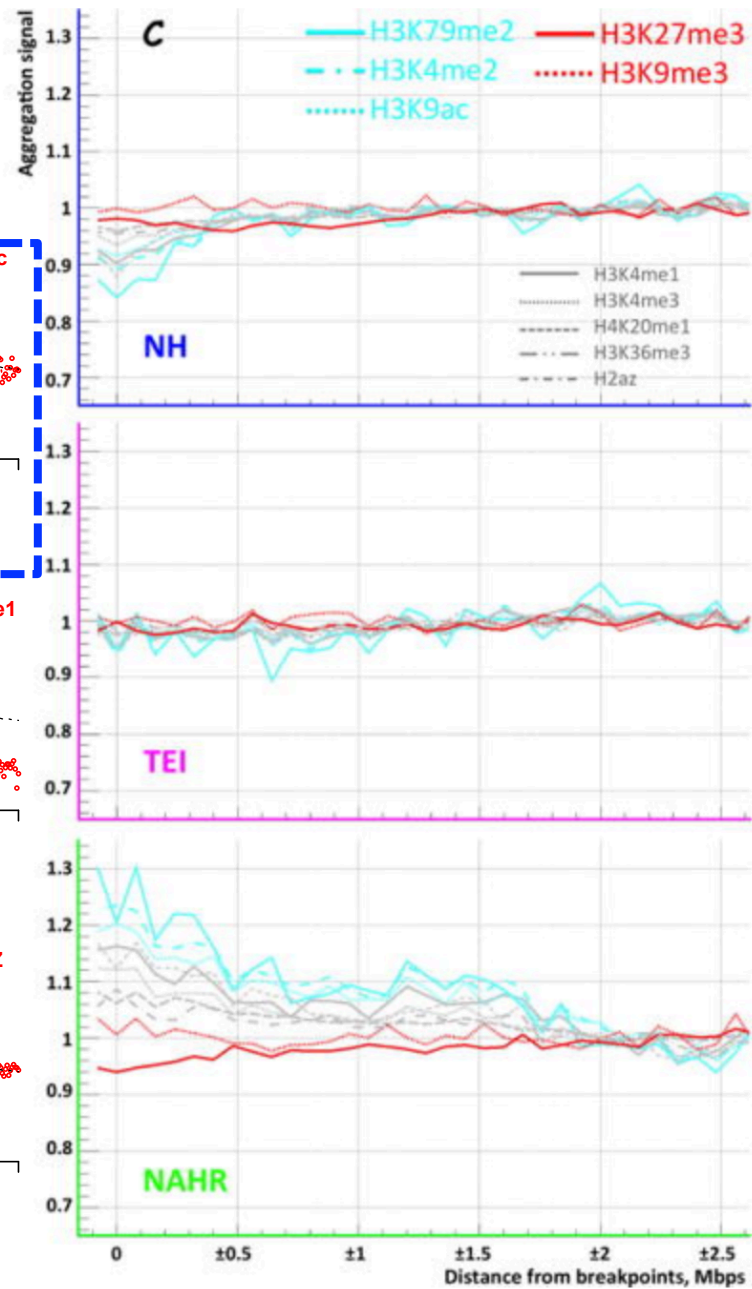
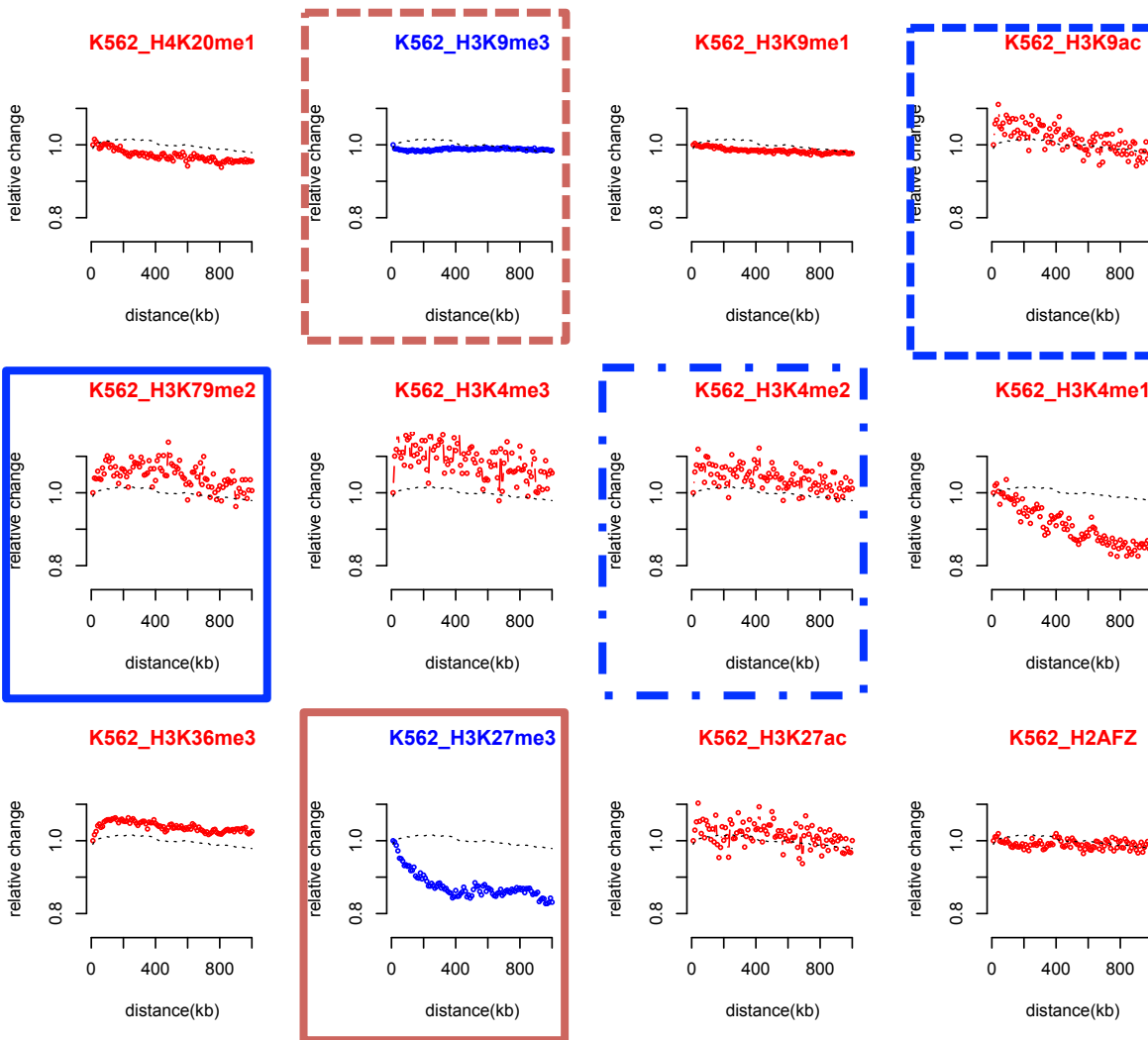
# Why are we aggregating

- What is our point here
  - H1: SVs cause SNPs (BMR shift)?
  - H2: SNPs cause SVs
  - H3: there is another factor that causes both;
- Order matters: What happened first what happened later?
- Germline common SVs + germline rare SNVs?
  - Adjusted for ethnicities/subpopulation
- Germline common SVs + any cancer SNVs?
- Somatic SVs + SNVs (probably mostly co-occurrence)

# Which call set for Gm12878

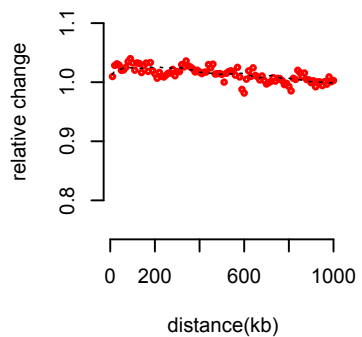
- Genome in a bottle (NIST)?
- 2014 Lumpy paper (high confidence)
- 2018 Nanopore...probably not great for SVs
- 1000 Genome?

# ALL the SVs

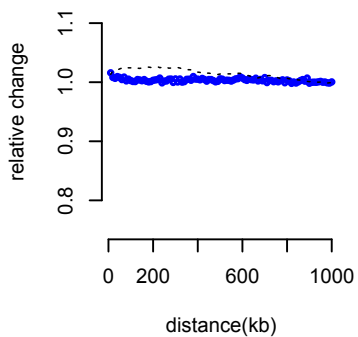


# Deletions only

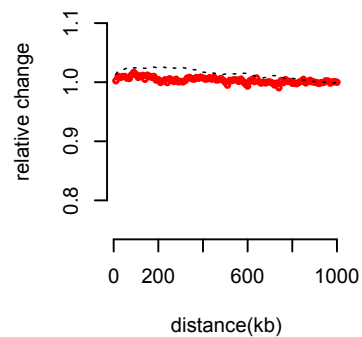
**K562\_H4K20me1**



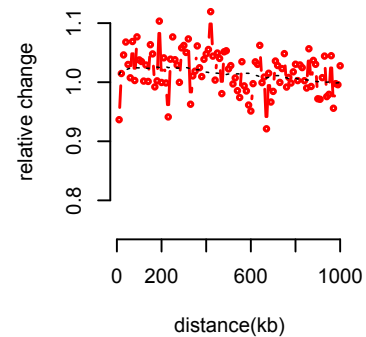
**K562\_H3K9me3**



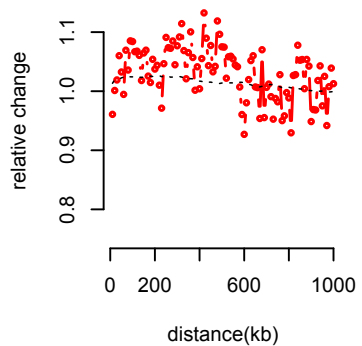
**K562\_H3K9me1**



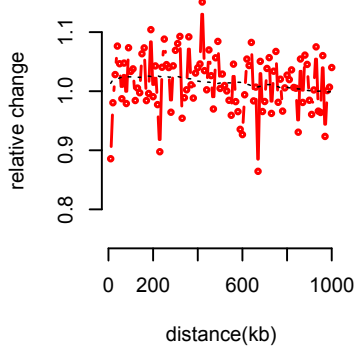
**K562\_H3K9ac**



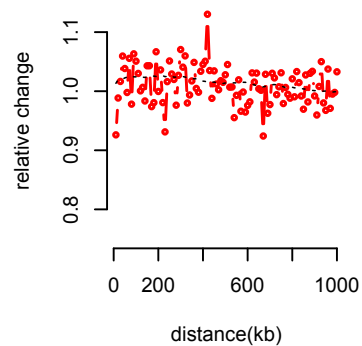
**K562\_H3K79me2**



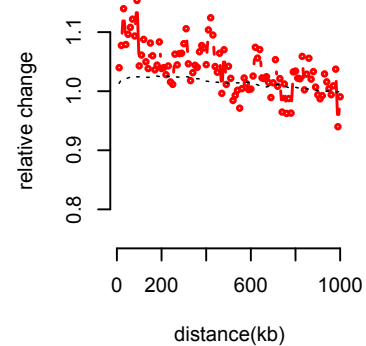
**K562\_H3K4me3**



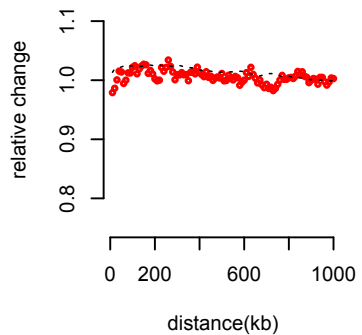
**K562\_H3K4me2**



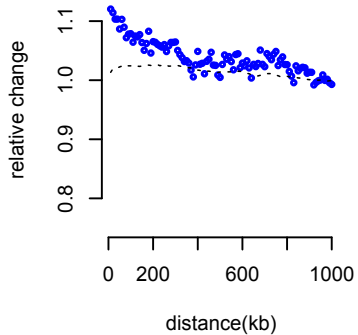
**K562\_H3K4me1**



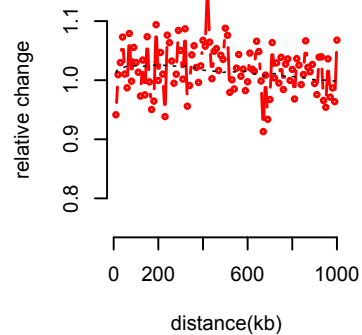
**K562\_H3K36me3**



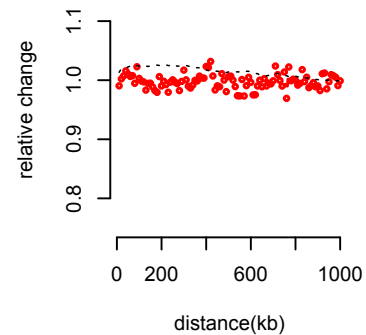
**K562\_H3K27me3**



**K562\_H3K27ac**



**K562\_H2AFZ**



Insertion  
only

