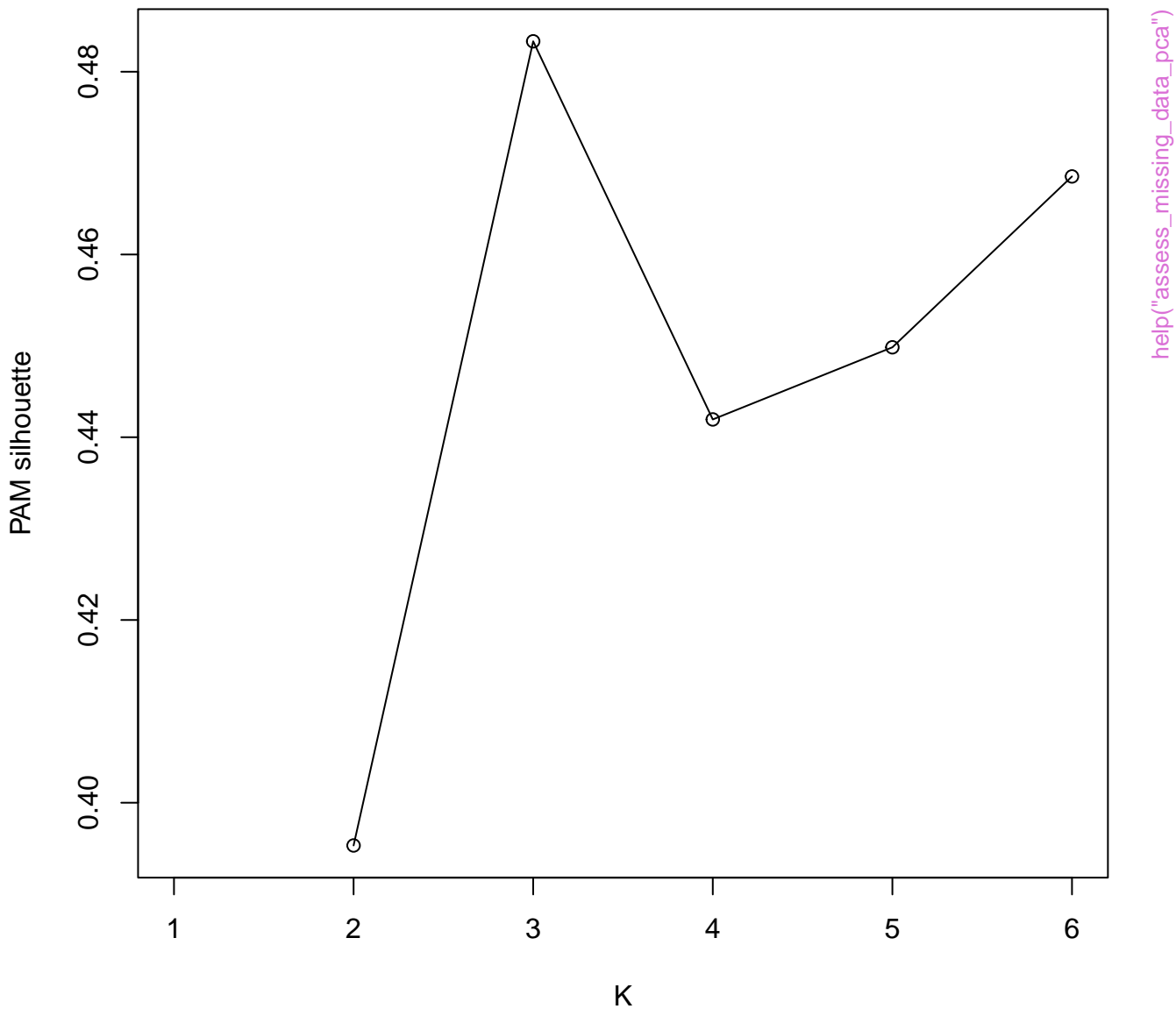


60% SNP completeness cutoff PAM clustering results



60% SNP completeness cutoff PCA

PC2, 18.89% variance explained

PC1, 32.36% variance explained

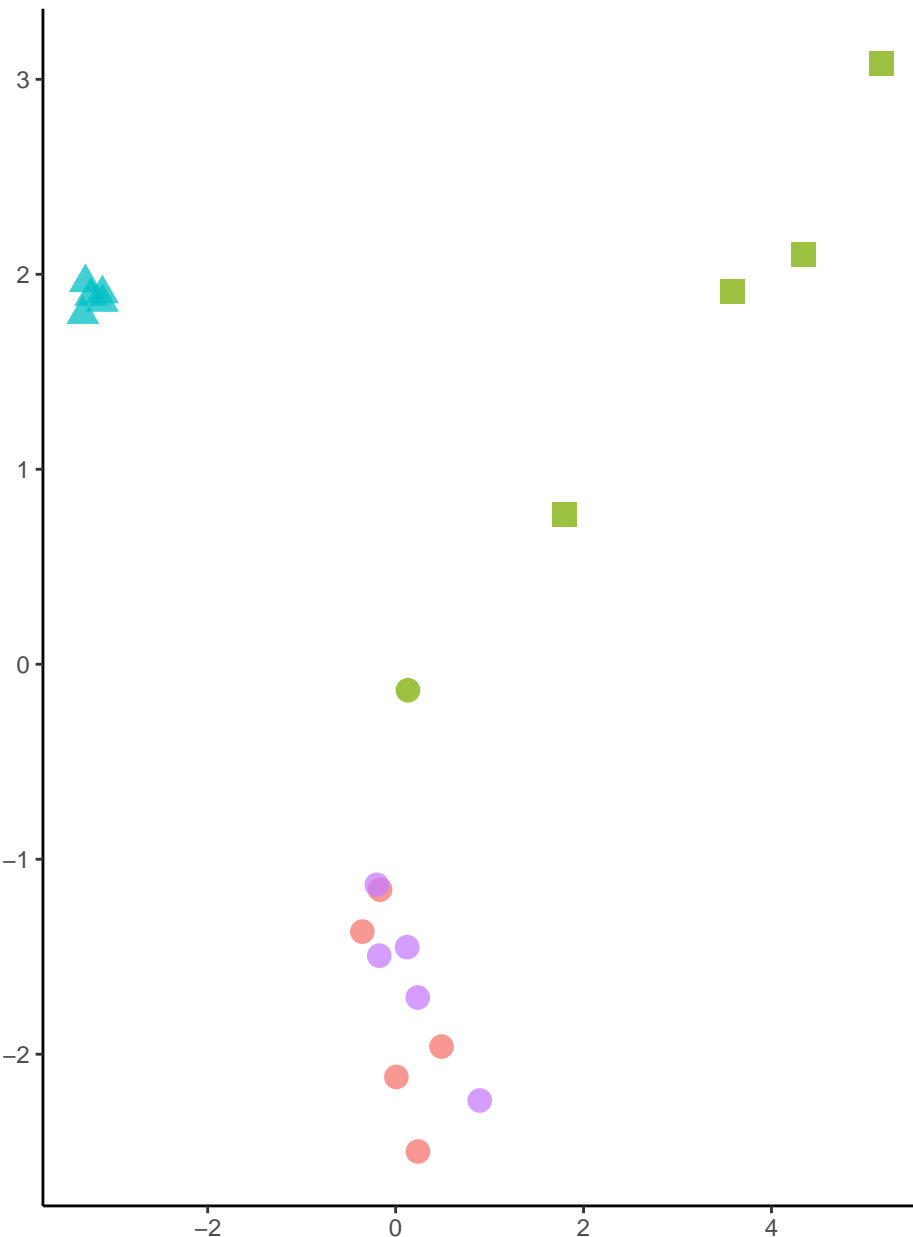
popmap assignment

- californica
- coerulescens
- insularis
- woodhouseii

PAM clusters

- 1
- 2
- 3

help("assess_missing_data_pca")



60% SNP completeness cutoff PCA

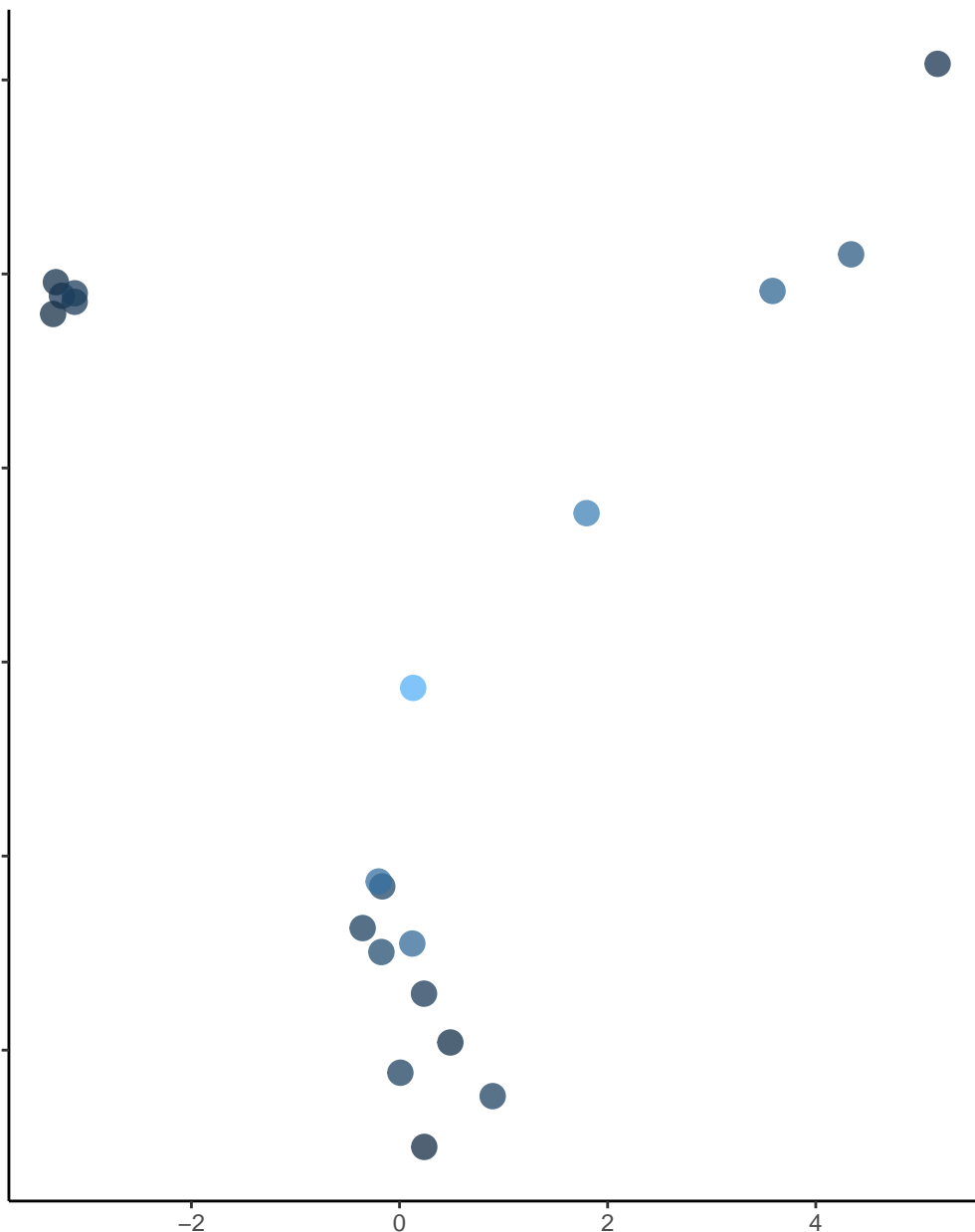
PC2, 18.89% variance explained

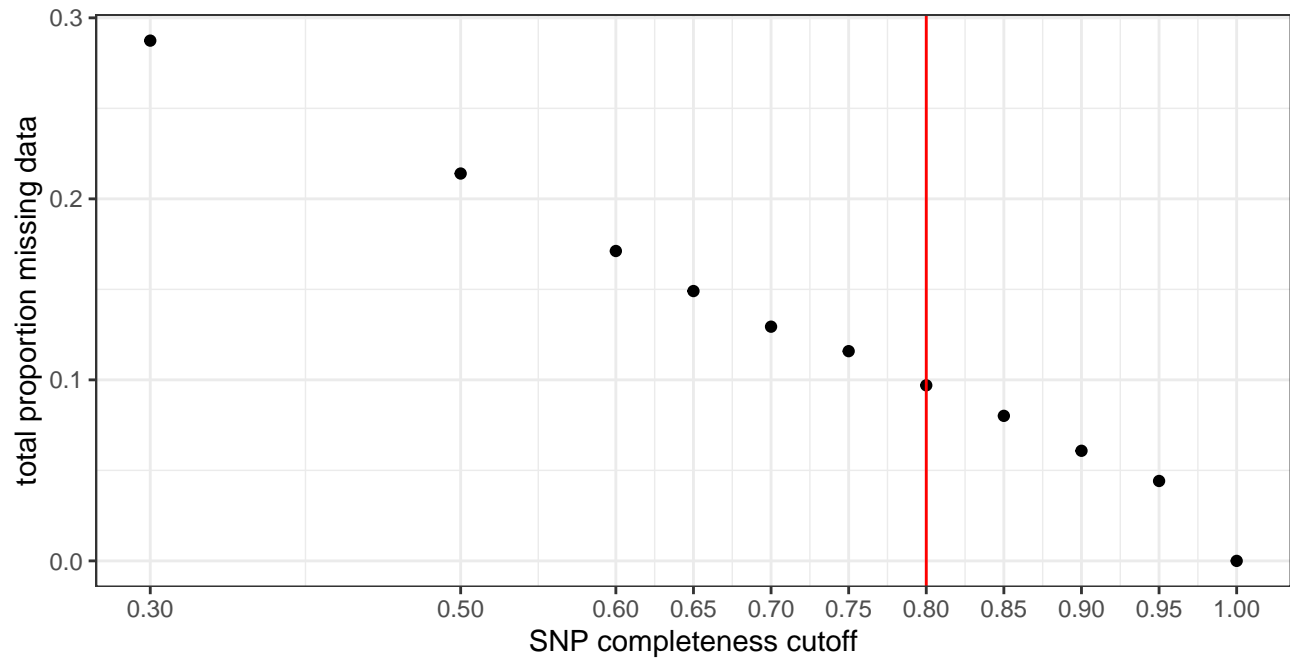
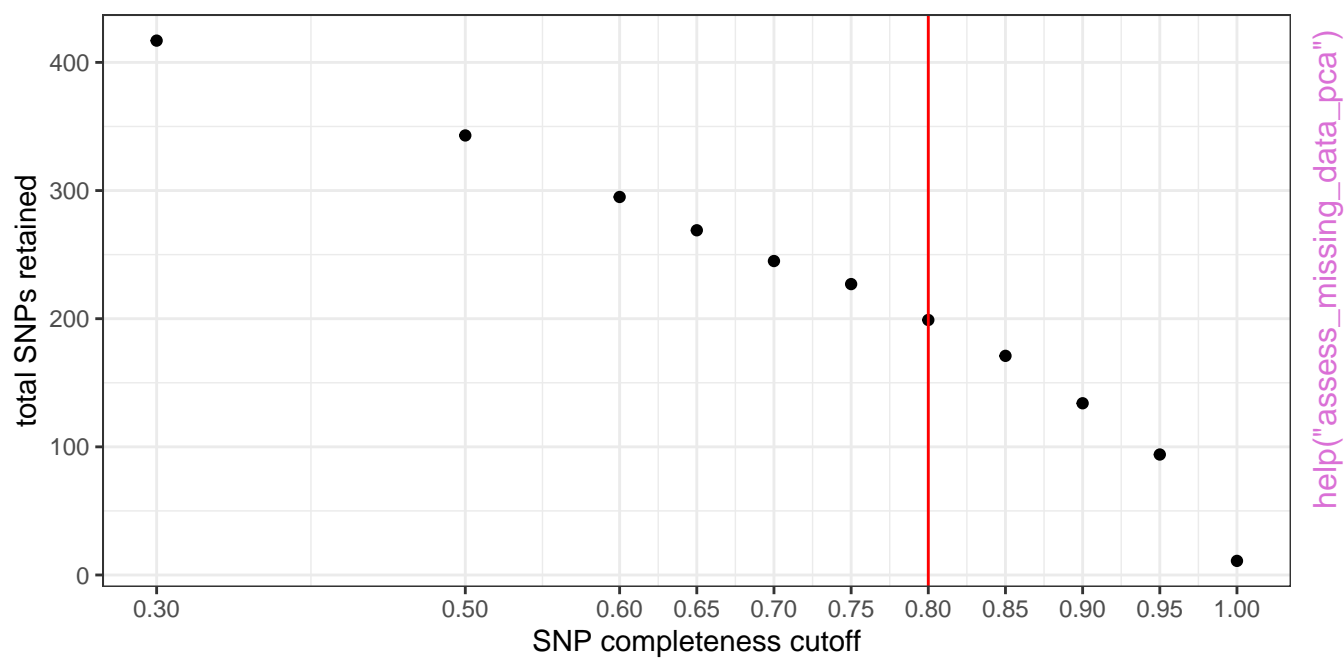
PC1, 32.36% variance explained

proportion
missing data

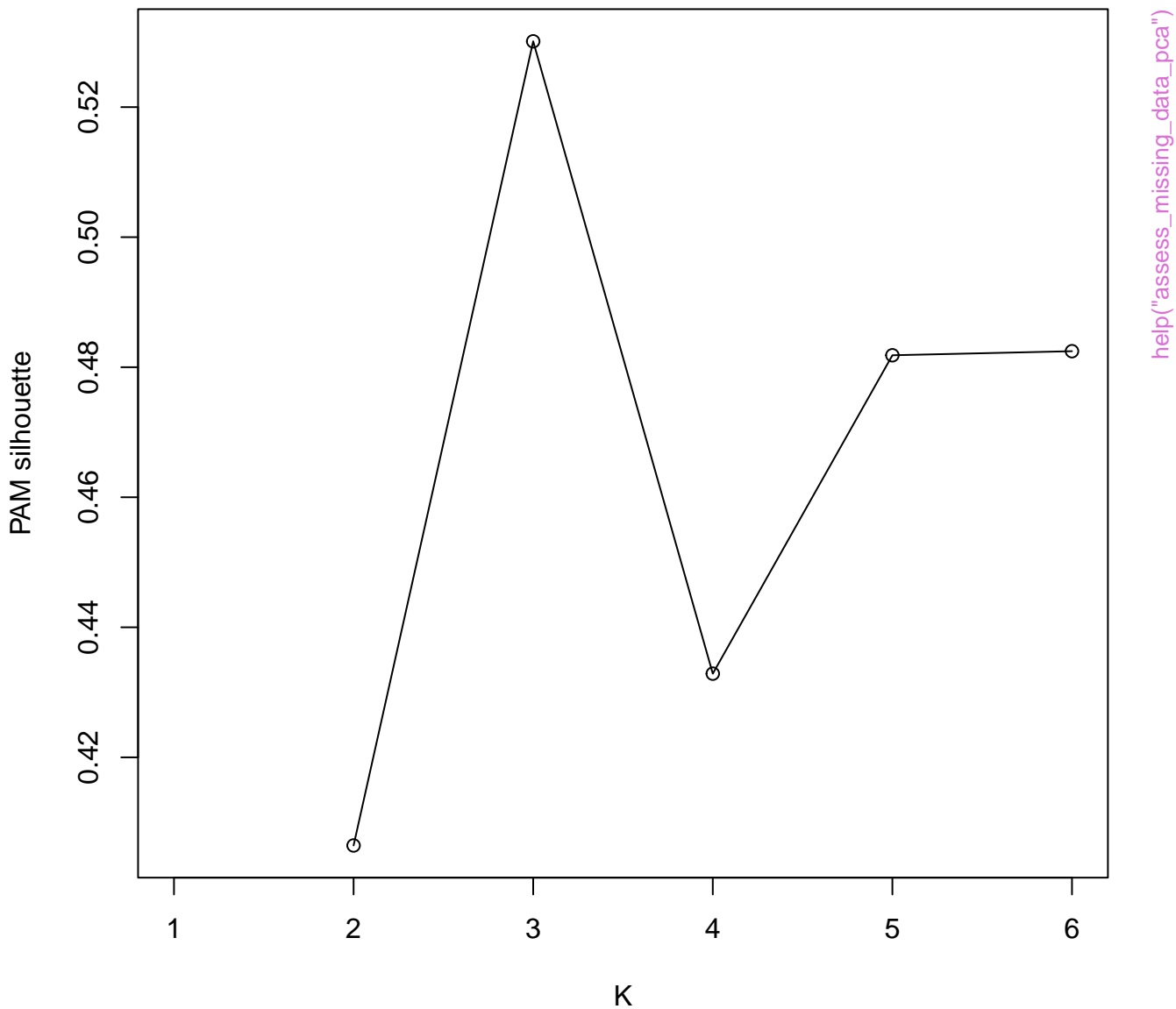
0.8
0.6
0.4
0.2

help("assess_missing_data_pca")





80% SNP completeness cutoff PAM clustering results



80% SNP completeness cutoff PCA

PC2, 19.1% variance explained

PC1, 37.5% variance explained

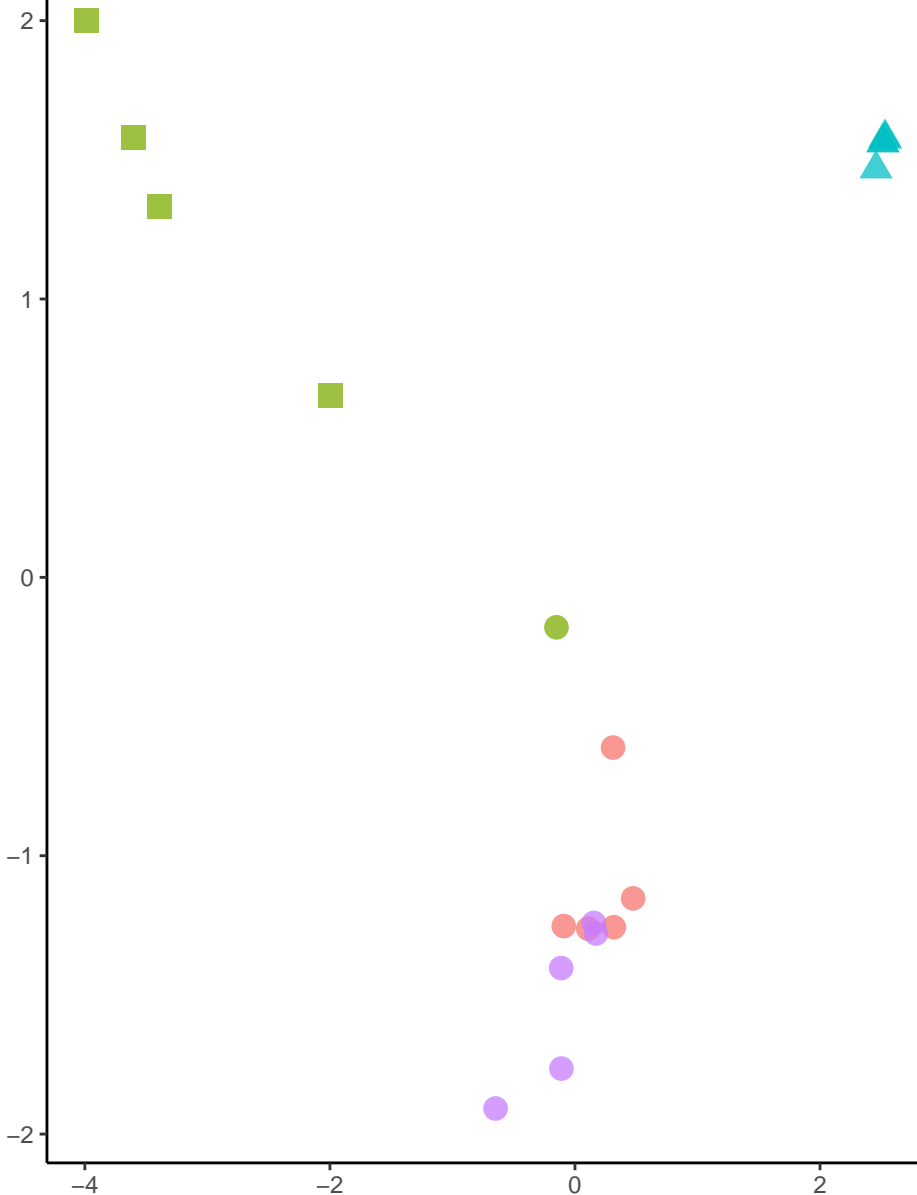
popmap assignment

- californica
- coerulescens
- insularis
- woodhouseii

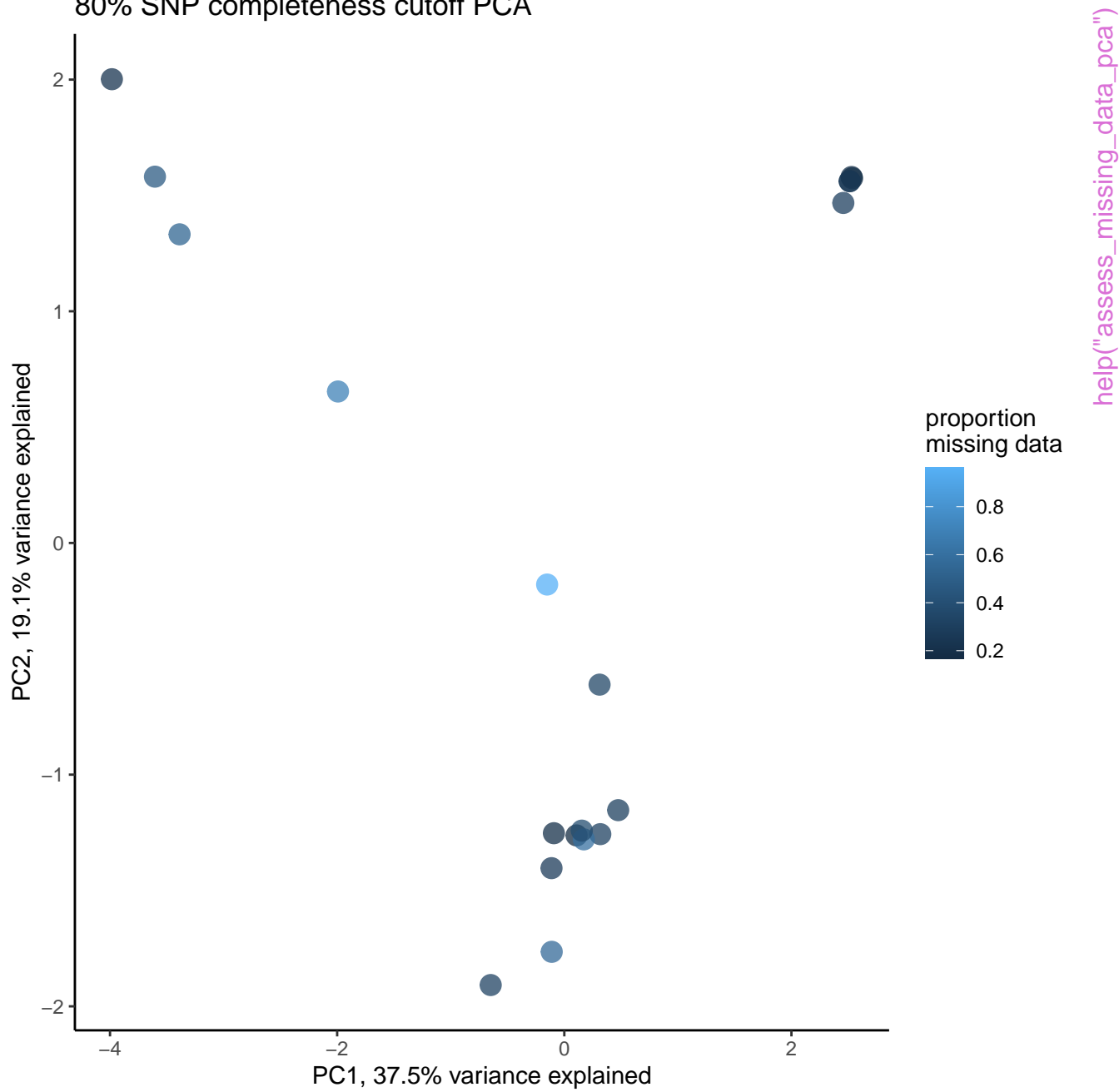
PAM clusters

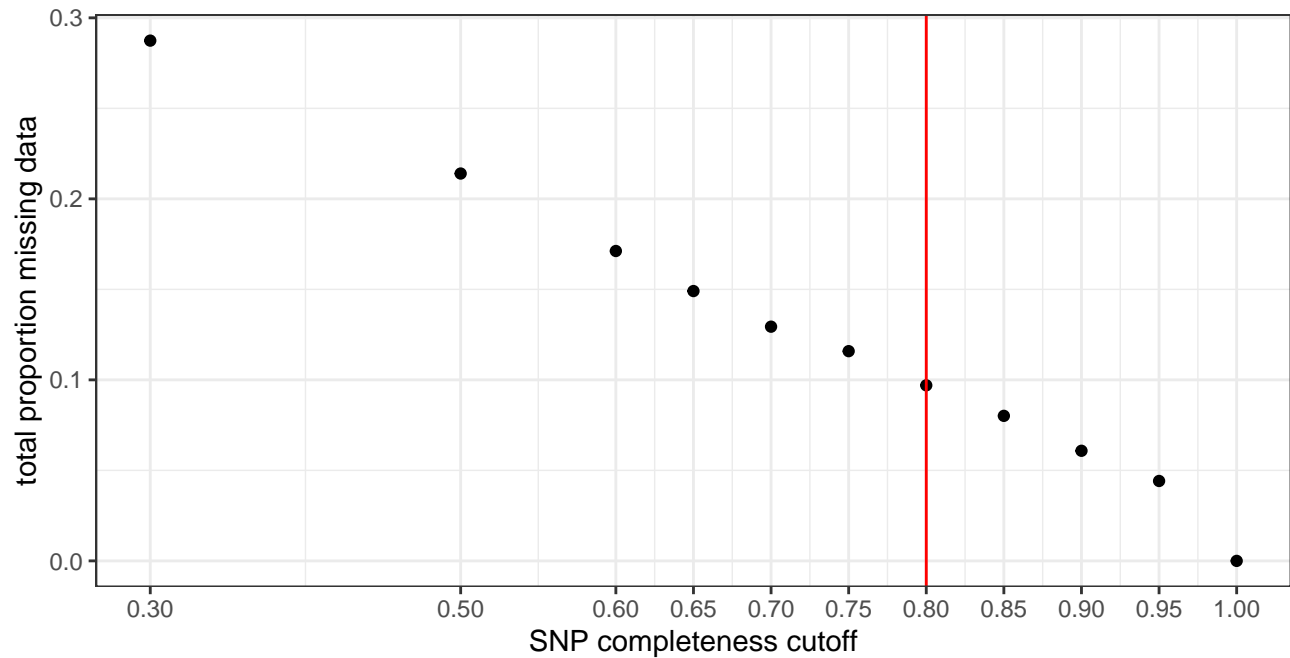
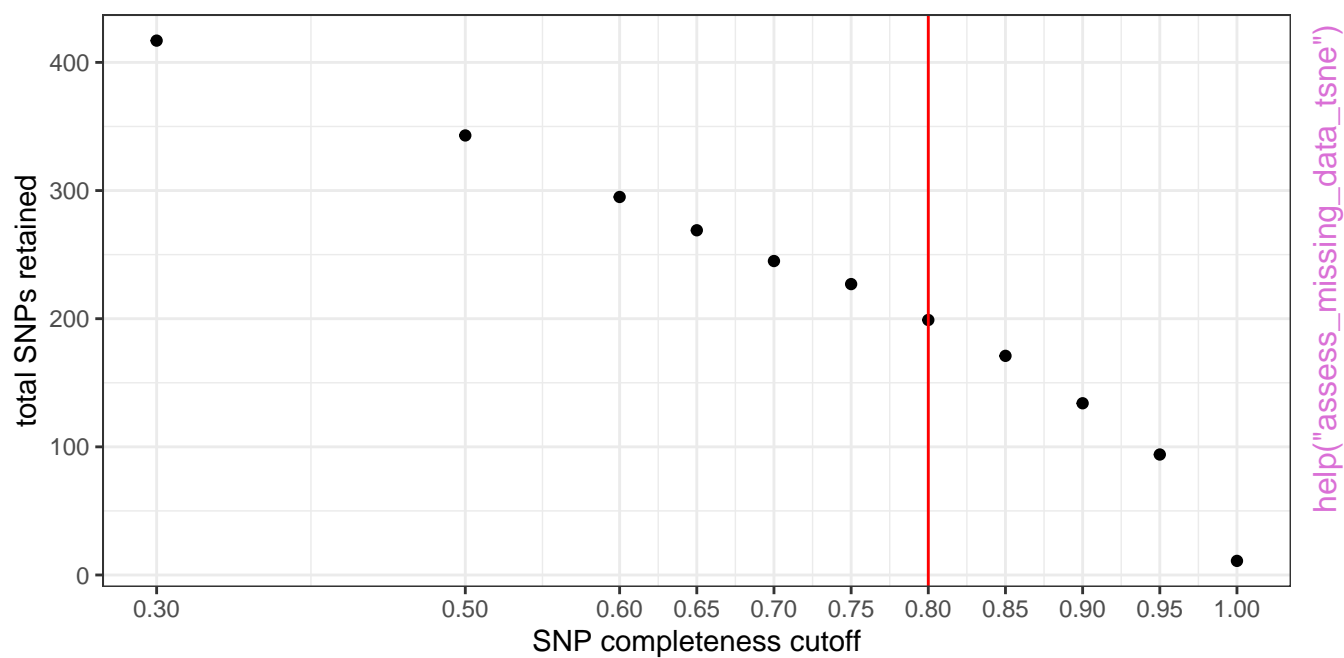
- 1
- 2
- 3

help("assess_missing_data_pca")

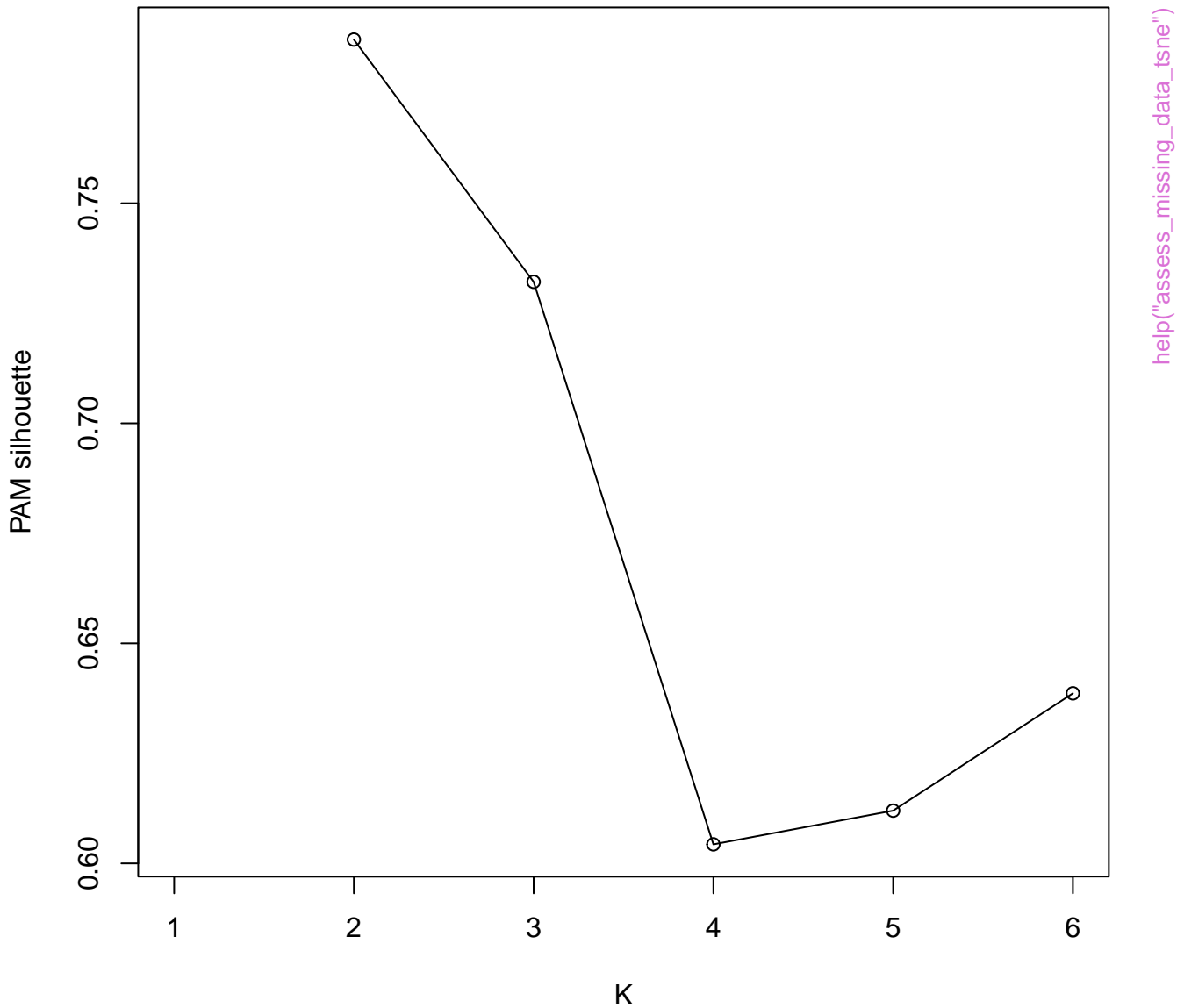


80% SNP completeness cutoff PCA

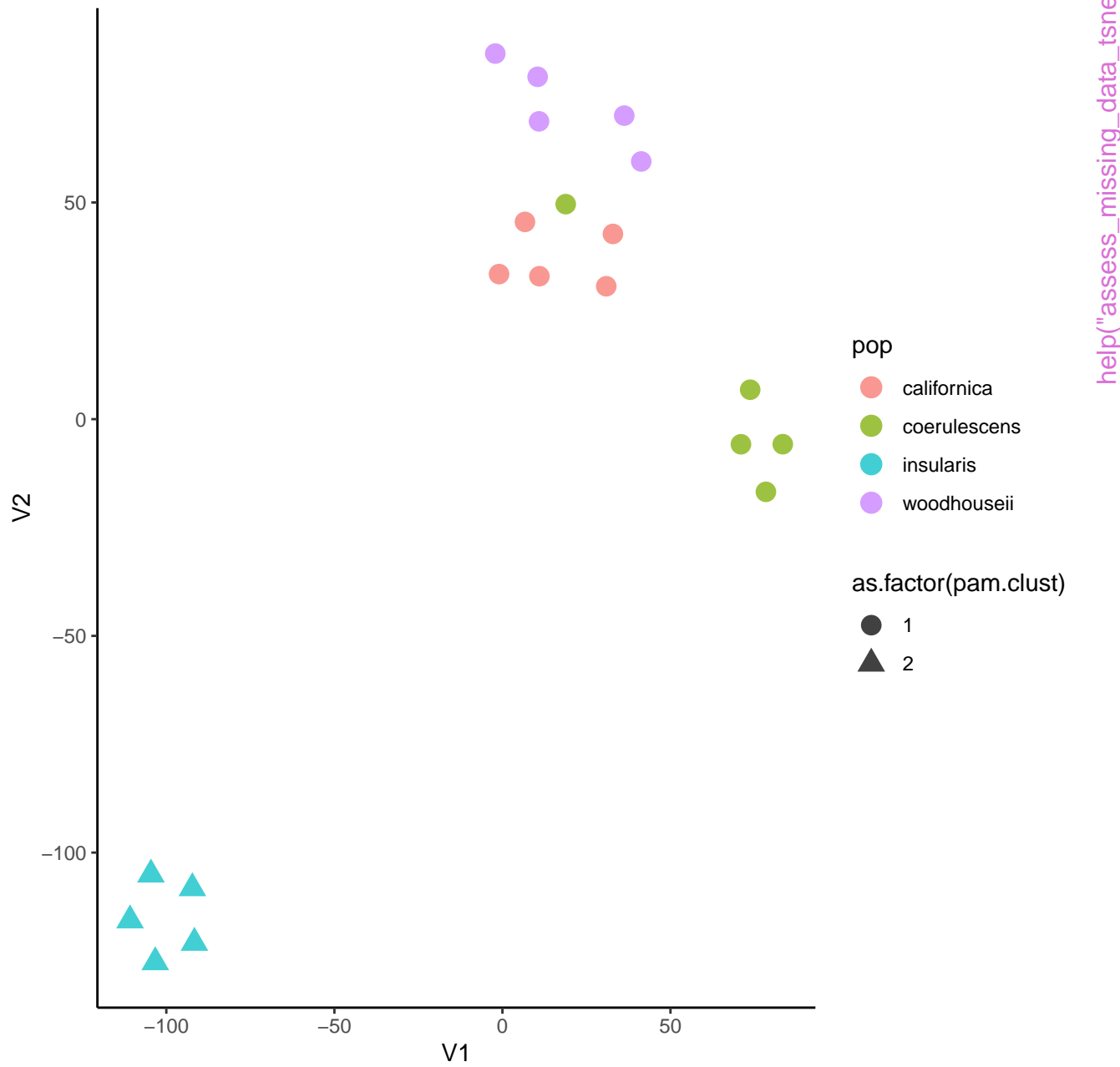




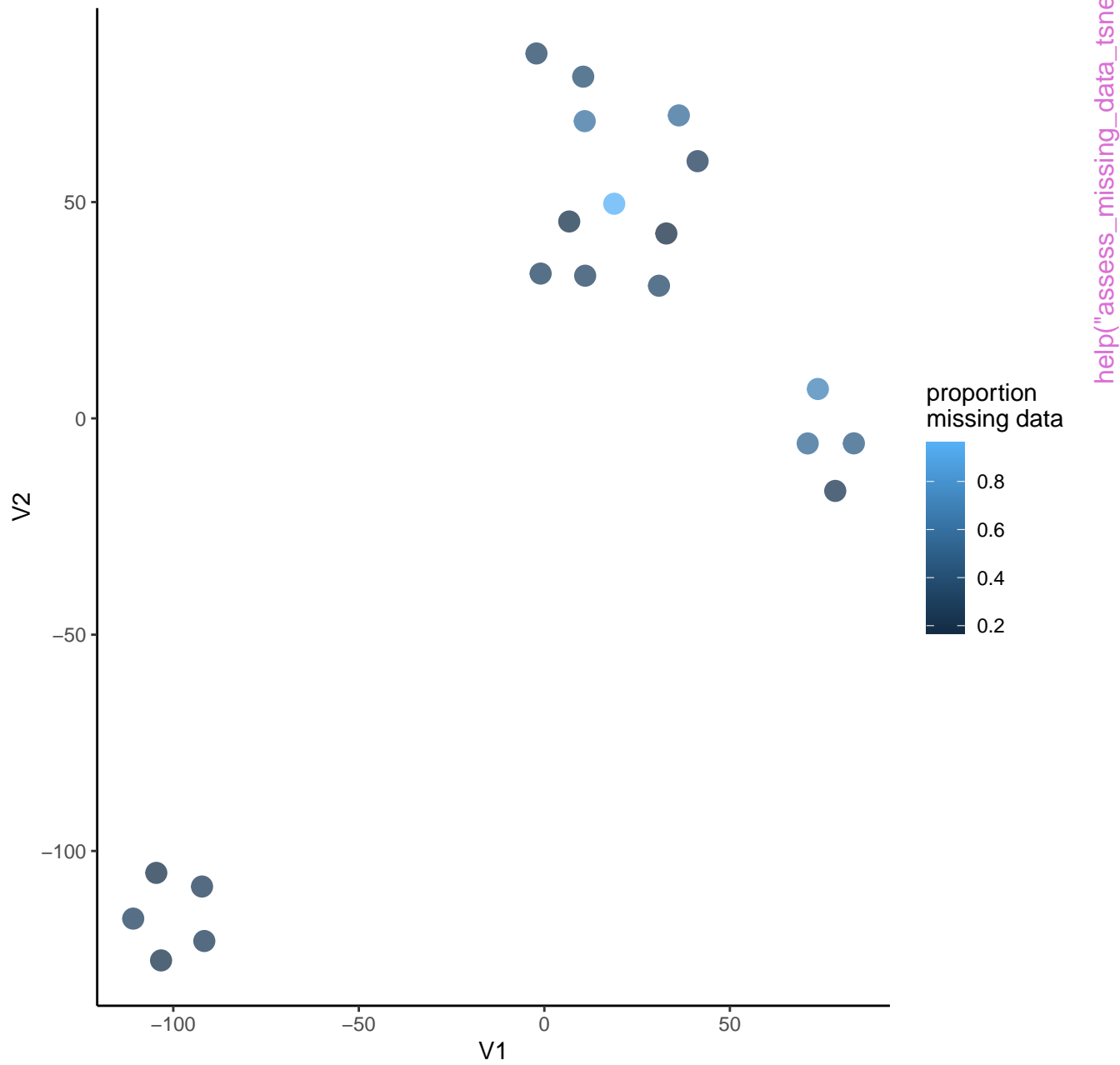
t-SNE 80% SNP completeness cutoff PAM clustering



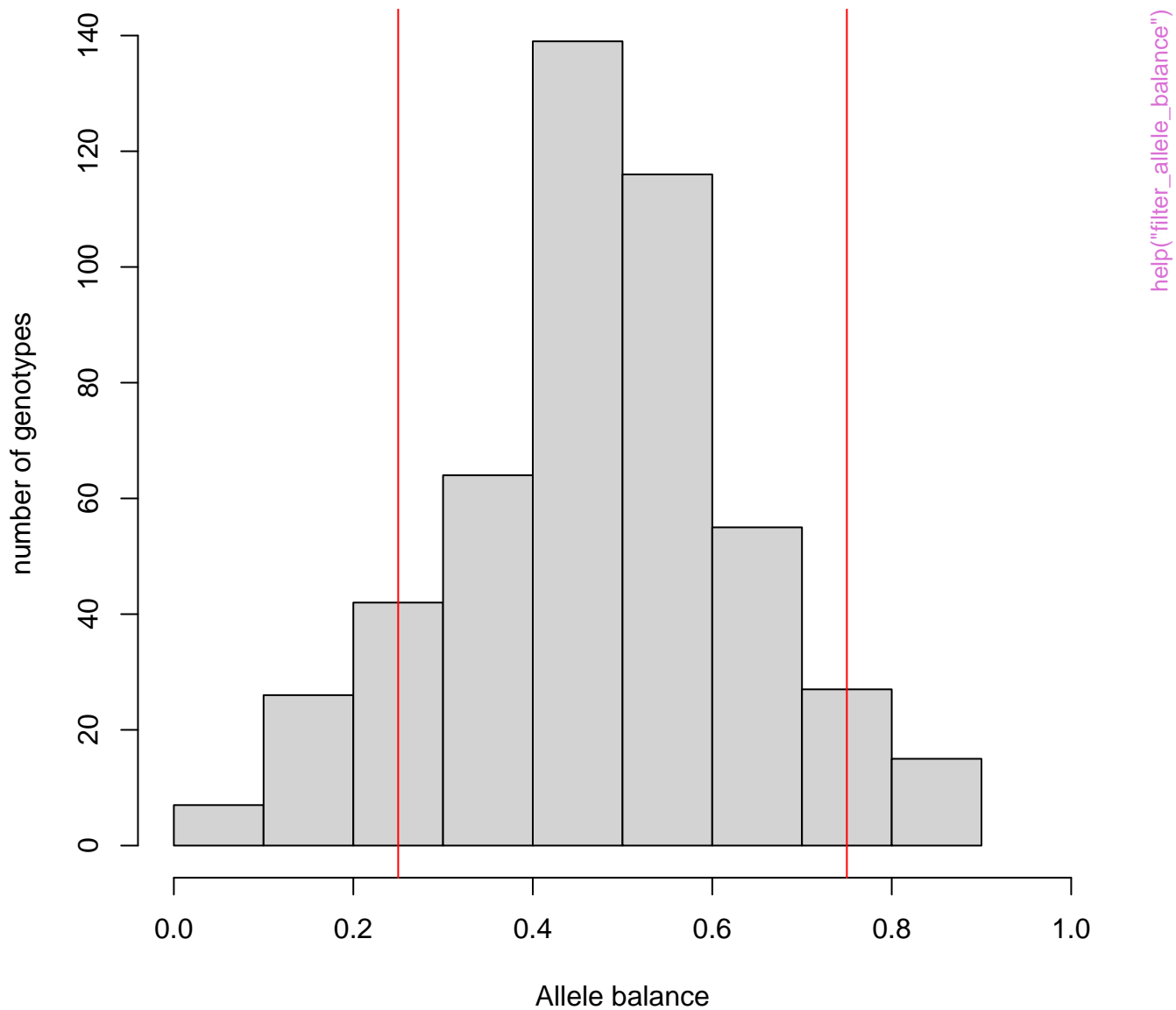
t-SNE clustering analysis 80% SNP completeness cutoff



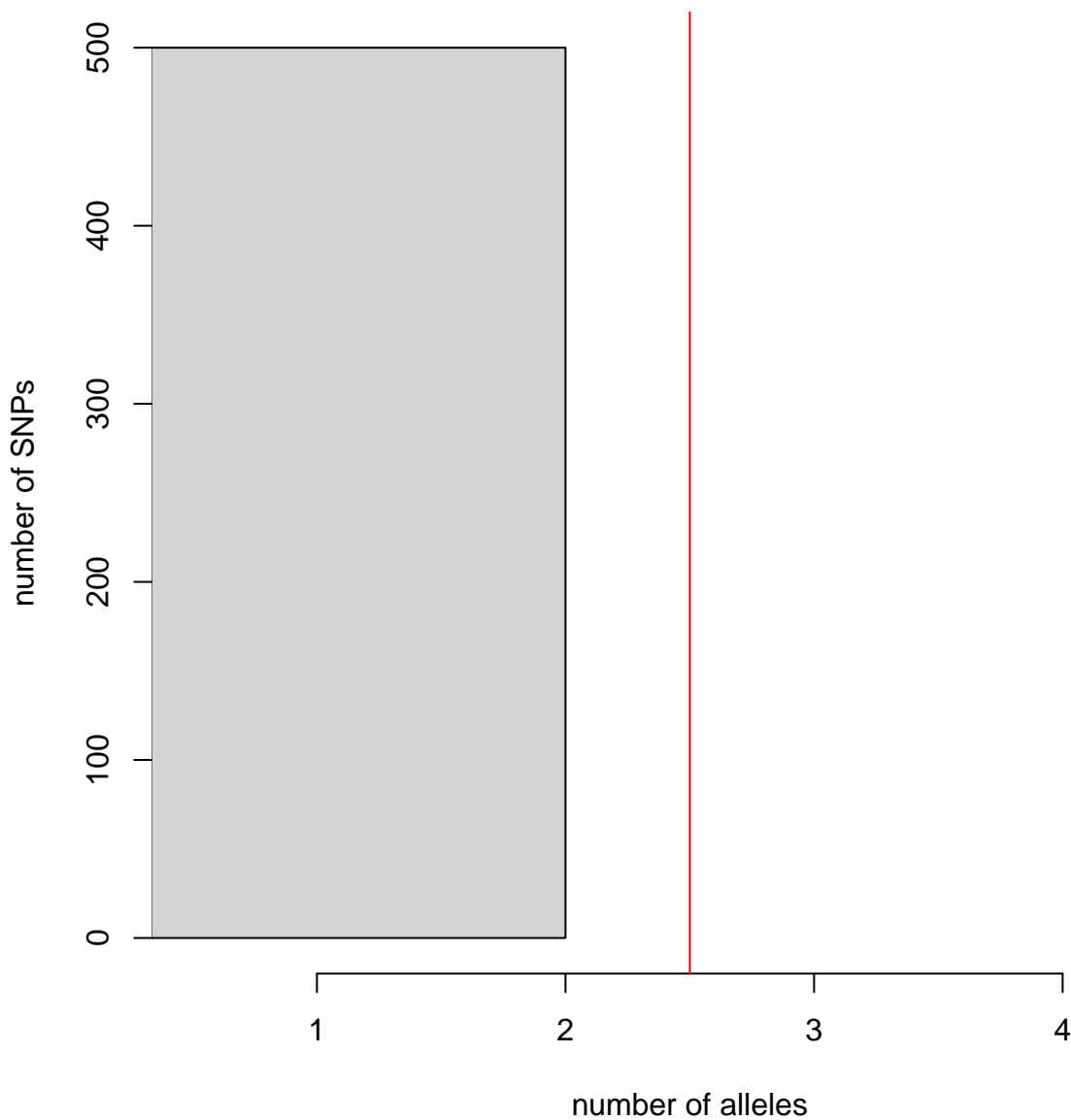
t-SNE clustering analysis 80% SNP completeness cutoff



allele balance distribution

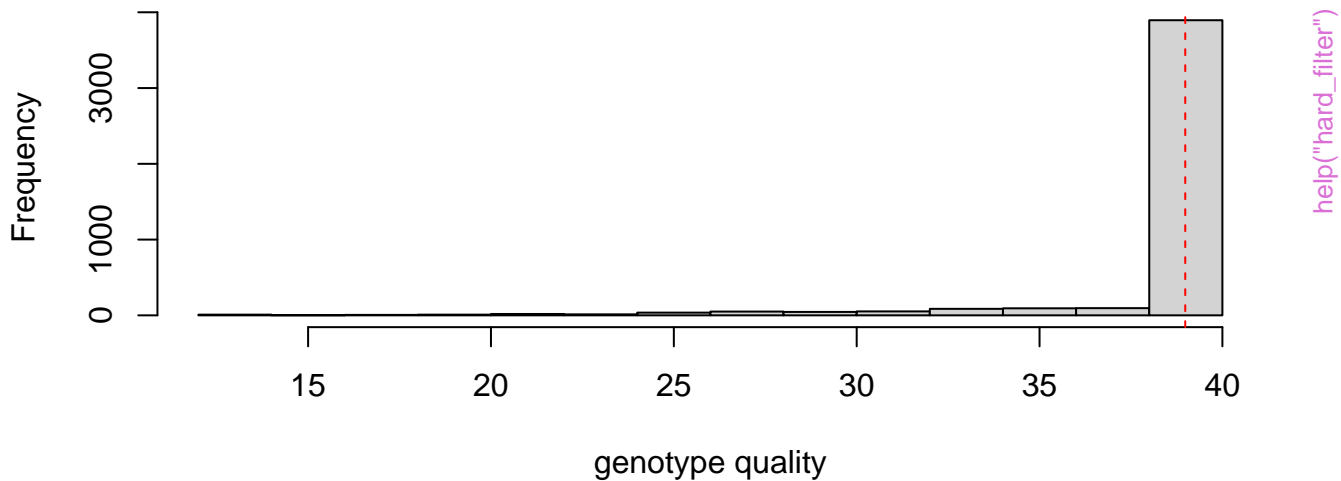


distribution of alleles present in vcf

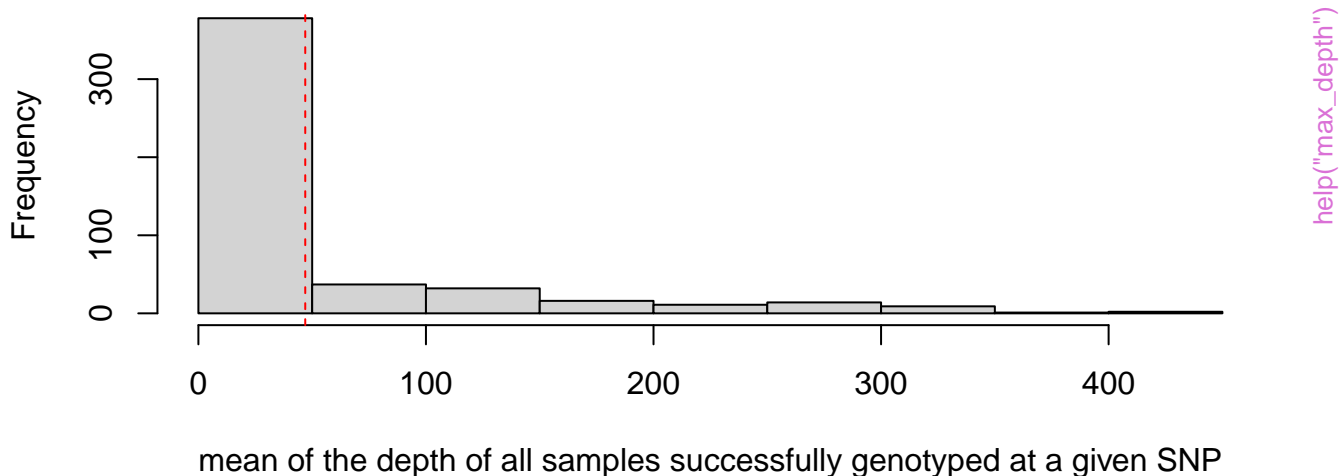


`help("filter_biallelic")`

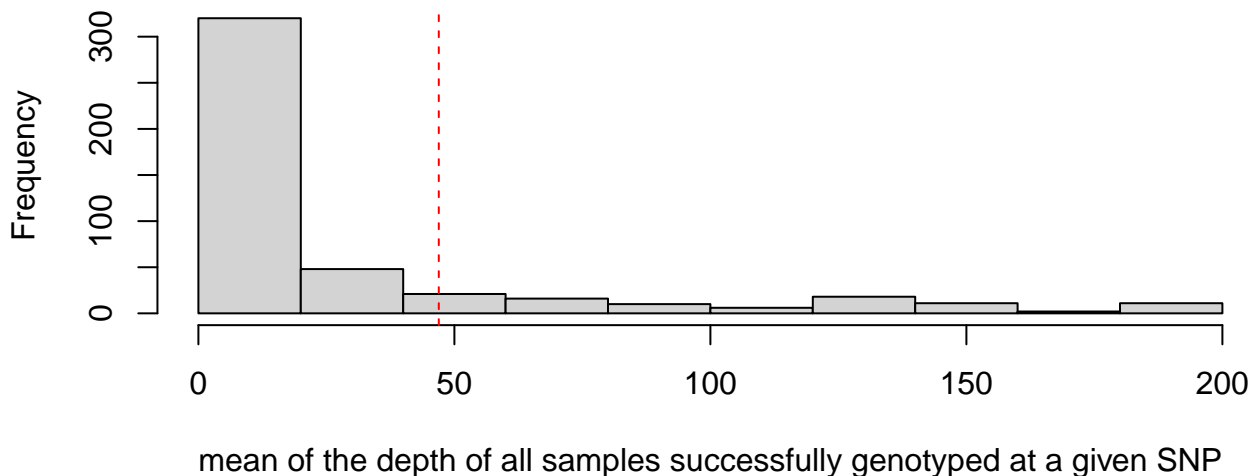
Histogram of qq.matrix



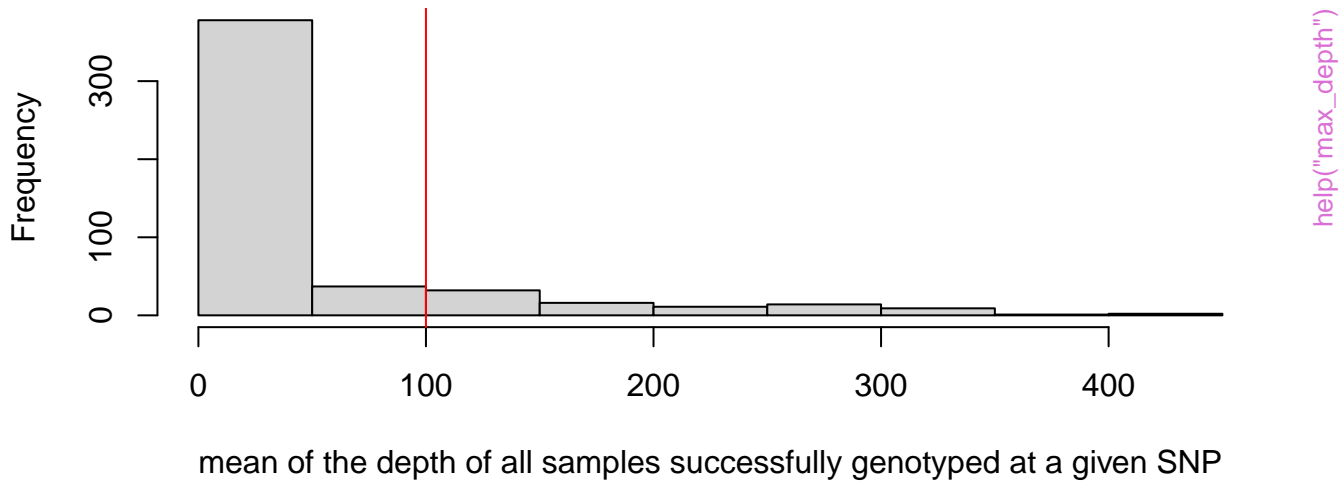
histogram showing the depth of all called SNPs



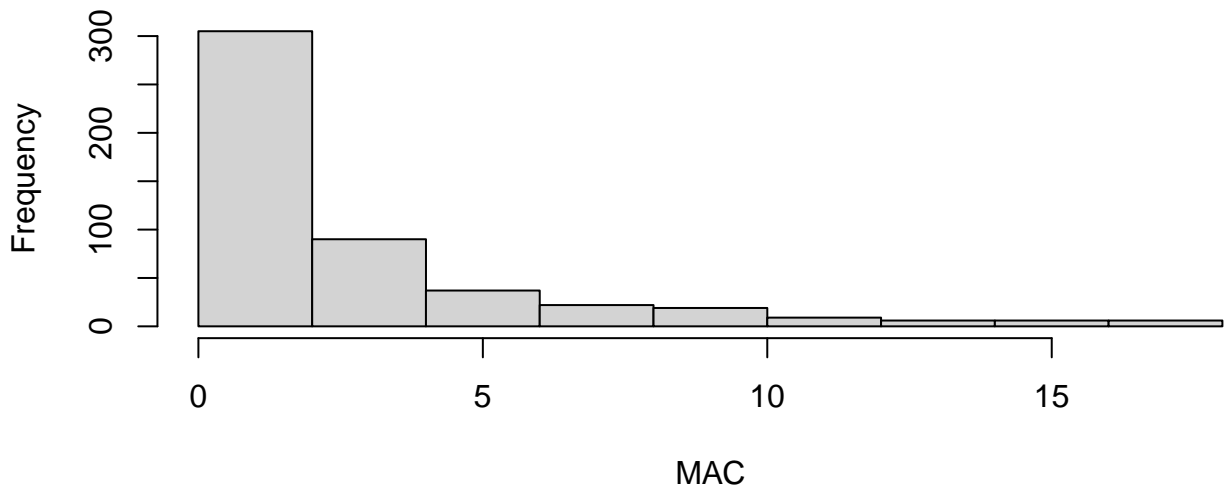
distribution of SNPs below a depth of 200



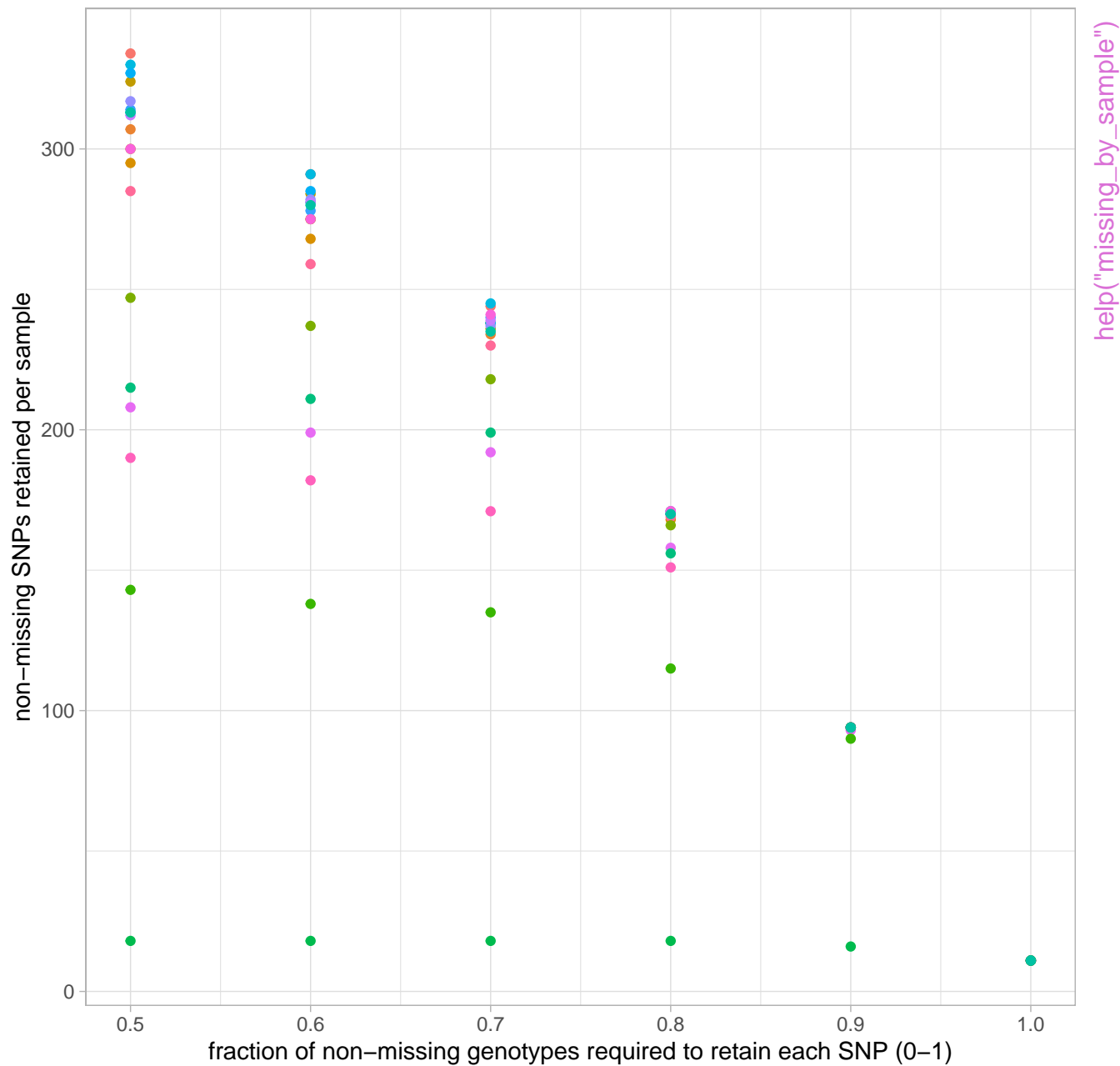
max depth cutoff



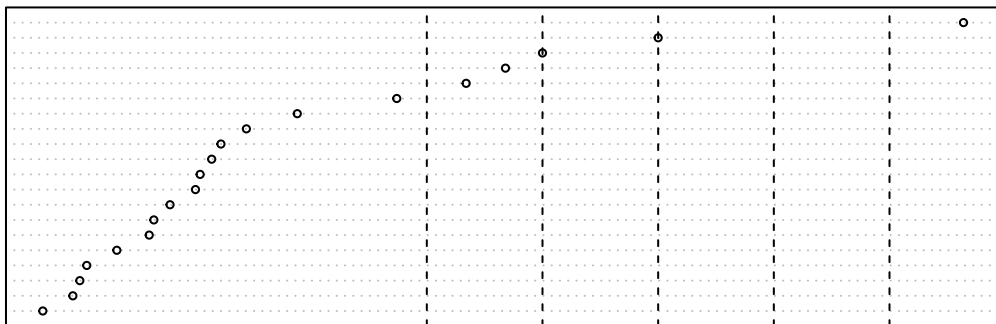
folded SFS



SNPs retained by filtering scheme



A_coerulescens_396262
 A_coerulescens_396259
 A_woodhouseii_334148
 A_woodhouseii_334134
 A_coerulescens_396263
 A_coerulescens_396256
 A_woodhouseii_334153
 A_californica_333855
 A_woodhouseii_334142
 A_californica_333860
 A_californica_333854
 A_insularis_334037
 A_woodhouseii_334133
 A_insularis_334031
 A_insularis_334034
 A_coerulescens_396264
 A_insularis_334033
 A_californica_333857
 A_insularis_334032
 A_californica_333849



proportion missing data

help("missing_by_sample")

A_coerulescens_396262
 A_coerulescens_396259
 A_woodhouseii_334148
 A_woodhouseii_334134
 A_coerulescens_396263
 A_coerulescens_396256
 A_woodhouseii_334153
 A_californica_333855
 A_woodhouseii_334142
 A_californica_333860
 A_californica_333854
 A_insularis_334037
 A_woodhouseii_334133
 A_insularis_334031
 A_insularis_334034
 A_coerulescens_396264
 A_insularis_334033
 A_californica_333857
 A_insularis_334032
 A_californica_333849

