File organization

Overall directory structure:

├── aa1

│   ├── aa1\_impure\_dom\_onepair\_interalpha16

│   ├── aa1\_impure\_dom\_onepair\_interalpha8

│   ├── aa1\_impure\_dom\_twopairs\_interalpha16

│   ├── aa1\_impure\_dom\_twopairs\_interalpha8

│   ├── aa1\_impure\_mult\_eightpairs\_interalpha2

│   ├── aa1\_impure\_mult\_eightpairs\_interalpha3

│   ├── aa1\_impure\_mult\_onepair\_interalpha125

│   ├── aa1\_impure\_mult\_onepair\_interalpha15

│   ├── aa1\_impure\_mult\_onepair\_interalpha2

│   ├── aa1\_impure\_mult\_onepair\_interalpha3

│   ├── aa1\_impure\_mult\_twopairs\_interalpha125

│   ├── aa1\_impure\_mult\_twopairs\_interalpha15

│   ├── aa1\_impure\_mult\_twopairs\_interalpha2

│   ├── aa1\_impure\_mult\_twopairs\_interalpha3

│   ├── aa1\_impure\_rec\_onepair\_interalpha16

│   ├── aa1\_impure\_rec\_onepair\_interalpha8

│   ├── aa1\_impure\_rec\_twopairs\_interalpha16

│   ├── aa1\_impure\_rec\_twopairs\_interalpha8

│   ├── aa1\_impure\_xor\_eightpairs\_interalpha16

│   ├── aa1\_impure\_xor\_eightpairs\_interalpha8

│   ├── aa1\_pure\_dom\_onepair\_interalpha16

│   ├── aa1\_pure\_dom\_onepair\_interalpha8

│   ├── aa1\_pure\_dom\_twopairs\_interalpha16

│   ├── aa1\_pure\_dom\_twopairs\_interalpha8

│   ├── aa1\_pure\_mult\_eightpairs\_interalpha2

│   ├── aa1\_pure\_mult\_eightpairs\_interalpha3

│   ├── aa1\_pure\_mult\_onepair\_interalpha125

│   ├── aa1\_pure\_mult\_onepair\_interalpha15

│   ├── aa1\_pure\_mult\_onepair\_interalpha2

│   ├── aa1\_pure\_mult\_onepair\_interalpha3

│   ├── aa1\_pure\_mult\_twopairs\_interalpha125

│   ├── aa1\_pure\_mult\_twopairs\_interalpha15

│   ├── aa1\_pure\_mult\_twopairs\_interalpha2

│   ├── aa1\_pure\_mult\_twopairs\_interalpha3

│   ├── aa1\_pure\_rec\_onepair\_interalpha16

│   ├── aa1\_pure\_rec\_onepair\_interalpha8

│   ├── aa1\_pure\_rec\_twopairs\_interalpha16

│   ├── aa1\_pure\_rec\_twopairs\_interalpha8

│   ├── aa1\_pure\_xor\_eightpairs\_interalpha16

│   └── aa1\_pure\_xor\_eightpairs\_interalpha8

├── aa2

├── aa3

├── ad

├── dd

├── diff\_analysis.sh

├── EpiGEN\_Models

│   ├── Impure\_Dominant\_OnePair\_BaselineAlpha10\_InteractionAlpha16.xml

│   ├── …

│   └── Pure\_XOR\_EightPairs\_BaselineAlpha10\_InteractionAlpha8.xml

├── extract\_results.py

├── gather\_files.sh

├── get\_tp.py

├── json

│   ├── Impure\_Dominant\_OnePair\_BaselineAlpha10\_InteractionAlpha16\_Chr1\_CEU\_SNP1000\_IND1000\_MAF005\_02.json

│   ├      …

│   └── Pure\_XOR\_EightPairs\_BaselineAlpha10\_InteractionAlpha8\_Chr1\_CEU\_SNP1000\_IND1000\_MAF005\_02.json

├── REMMA\_Runs

│   ├── REMMA\_DATA

│   │   ├── Impure\_Dominant\_OnePair\_BaselineAlpha10\_InteractionAlpha16\_Chr1\_CEU\_SNP1000\_IND1000\_MAF005\_02.bed

│   │   ├── Impure\_Dominant\_OnePair\_BaselineAlpha10\_InteractionAlpha16\_Chr1\_CEU\_SNP1000\_IND1000\_MAF005\_02.bim

│   │   ├── Impure\_Dominant\_OnePair\_BaselineAlpha10\_InteractionAlpha16\_Chr1\_CEU\_SNP1000\_IND1000\_MAF005\_02.fam

│   │   ├── Impure\_Dominant\_OnePair\_BaselineAlpha10\_InteractionAlpha16\_Chr1\_CEU\_SNP1000\_IND1000\_MAF005\_02\_Pheno.ped

│   │   ├       …

│   │   └── Pure\_XOR\_EightPairs\_BaselineAlpha10\_InteractionAlpha8\_Chr1\_CEU\_SNP1000\_IND1000\_MAF005\_02\_Pheno.ped

└── sbatch\_scripts.sh

Each of the five configurations has a folder, within which are 40 subfolders corresponding to each dataset; for simplicity, I only show the 40 folders for the first configuration. The subfolders are named as [config]\_[purity]\_[interaction]\_[pairs]\_[interalpha]. diff\_analysis.sh, sbatch\_scripts.sh, extract\_results.py and get\_tp.py rely on this directory structure.

An example of the contents of a subfolder of a configuration folder: aa1/aa1\_impure\_dom\_onepair\_interalpha16

├── add\_genom\_rel\_matrix\_aa1\_impure\_dom\_onepair\_interalpha16.agrm.mat\_fmt

├── add\_genom\_rel\_matrix\_aa1\_impure\_dom\_onepair\_interalpha16.id

├── dom\_genom\_rel\_matrix\_aa1\_impure\_dom\_onepair\_interalpha16.dgrm\_as.mat\_fmt

├── dom\_genom\_rel\_matrix\_aa1\_impure\_dom\_onepair\_interalpha16.id

├── epiAA\_aa1\_impure\_dom\_onepair\_interalpha16

├── epiAA\_aa1\_impure\_dom\_onepair\_interalpha16.anno

├── Impure\_Dominant\_OnePair\_BaselineAlpha10\_InteractionAlpha16\_Chr1\_CEU\_SNP1000\_IND1000\_MAF005\_02.bed

├── Impure\_Dominant\_OnePair\_BaselineAlpha10\_InteractionAlpha16\_Chr1\_CEU\_SNP1000\_IND1000\_MAF005\_02.bim

├── Impure\_Dominant\_OnePair\_BaselineAlpha10\_InteractionAlpha16\_Chr1\_CEU\_SNP1000\_IND1000\_MAF005\_02.fam

├── Impure\_Dominant\_OnePair\_BaselineAlpha10\_InteractionAlpha16\_Chr1\_CEU\_SNP1000\_IND1000\_MAF005\_02\_Pheno.ped

├── REMMA\_aa1\_impure\_dom\_onepair\_interalpha16.py

├── REMMA\_aa1\_impure\_dom\_onepair\_interalpha16.sh

├── slurm-33758190.out

└── var\_aa1\_impure\_dom\_onepair\_interalpha16.txt