Files in the main Directory

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|-- 1 - Temporary files -Contains intermediate files, See documentation -
| |-- files - Temporary files -
| | |-- Data.QC.Transformed - Temporary files -
| | |-- Data.QC.gz - Temporary files -
| | |-- Data.gz - Temporary files -
| | |-- Data.nodup.gz - Temporary files -
| | |-- SNP.pvalue - Temporary files -
| | |-- range_list - Temporary files -
| | |-- test.0.001.profile - Temporary files -
| | |-- test.0.05.profile - Temporary files -
| | |-- test.0.1.profile - Temporary files -
| | |-- test.0.2.profile - Temporary files -
| | |-- test.0.3.profile - Temporary files -
| | |-- test.0.4.profile - Temporary files -
| | |-- test.0.5.profile - Temporary files -
| | |-- test.QC.bed - Temporary files -
| | |-- test.QC.bim - Temporary files -
| | |-- test.QC.fam - Temporary files -
| | |-- test.QC.het - Temporary files -
| | |-- test.QC.log - Temporary files -
| | |-- test.QC.nosex - Temporary files -
| | |-- test.QC.prune.in - Temporary files -
| | |-- test.QC.prune.out - Temporary files -
| | |-- test.QC.snplist - Temporary files -
| | |-- test.a1 - Temporary files -
| | |-- test.clumped - Temporary files -
| | |-- test.eigenval - Temporary files -
| | |-- test.eigenvec - Temporary files -
| | |-- test.log - Temporary files -
| | |-- test.mismatch - Temporary files -
| | |-- test.nopred - Temporary files -
| | |-- test.nosex - Temporary files -
| | |-- test.prune.in - Temporary files -
| | |-- test.prune.out - Temporary files -
| | |-- test.valid.sample - Temporary files -
| | `-- test.valid.snp - Temporary files -
| |-- pv_0.001 - Temporary files -
| | |-- 0.001.txt - Temporary files -
| | |-- ML_probability - Temporary files -
| | |-- ptest.log - Temporary files -
| | |-- ptest.nosex - Temporary files -
| | |-- ptest.raw - Temporary files -
| | |-- ptrain.log - Temporary files -
| | |-- ptrain.nosex - Temporary files -
| | `-- ptrain.raw - Temporary files -
| |-- pv_0.01 - Temporary files -
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|  |-- pv_0.1 - Temporary files -
|  |-- pv_1.0 - Temporary files -
|  |-- result - Temporary files -
|  |  |-- PLINK.bar.png - Temporary files -
|  |  |-- PRScice_PRS.best - Temporary files -
|  |  |-- PRScice_PRS.log - Temporary files -
|  |  |-- PRScice_PRS.prsice - Temporary files -
|  |  |-- PRScice_PRS.snp - Temporary files -
|  |  |-- PRScice_PRS.summary - Temporary files -
|  |  |-- PRScice_PRS_BARPLOT_2022-02-23.png - Temporary files -
|  |  |-- PRScice_PRS_HIGH-RES_PLOT_2022-02-23.png - Temporary files -
|  |  `-- test.txt - Temporary files -
|  |-- test - Temporary files -
|  |  |-- YRI.covariate - Temporary files -
|  |  |-- YRI.pheno - Temporary files -
|  |  |-- YRIs.sample - Temporary files -
|  |  |-- phenotype.csv - Temporary files -
|  |  |-- test.QC.log - Temporary files -
|  |  |-- test.bed - Temporary files -
|  |  |-- test.bim - Temporary files -
|  |  |-- test.fam - Temporary files -
|  |  |-- test.log - Temporary files -
|  |  |-- test.map - Temporary files -
|  |  |-- test.nosex - Temporary files -
|  |  |-- test.ped - Temporary files -
|  |  |-- test.sample - Temporary files -
|  |  |-- test.vcf - Temporary files -
|  |  |-- test_case_id.txt - Temporary files -
|  |  |-- test_control_id.txt - Temporary files -
|  |  |-- test_id.txt - Temporary files -
|  |  `-- test_snptest.sample - Temporary files -
|  `-- train - Temporary files -
|      |-- Data.txt - Temporary files -
|      |-- Data.txt.gz - Temporary files -
|      |-- YRI.covariate - Temporary files -
|      |-- YRI.pheno - Temporary files -
|      |-- YRIs.sample - Temporary files -
|      |-- phenotype.csv - Temporary files -
|      |-- train.assoc.fisher - Temporary files -
|      |-- train.bed - Temporary files -
|      |-- train.bim - Temporary files -
|      |-- train.fam - Temporary files -
|      |-- train.gen - Temporary files -
|      |-- train.log - Temporary files -
|      |-- train.map - Temporary files -
|      |-- train.nosex - Temporary files -
|      |-- train.ped - Temporary files -
|      |-- train.sample - Temporary files -
|      |-- train.sum - Temporary files -
|      |-- train.vcf - Temporary files -
|      |-- train_case_id.txt - Temporary files -
```

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|       |-- train_control_id.txt - Temporary files -
|       |-- train_fake.sample - Temporary files -
|       |-- train_id.txt - Temporary files -
|       |-- train_snptest.sample - Temporary files -
|       |-- trains.gen.gz - Temporary files -
|       `-- trains.samples - Temporary files -
|-- 2 - Temporary files - Same as directory 1
|-- 3 - Temporary files - Same as directory 1
|-- 4 - Temporary files - Same as directory 1
|-- 5 - Temporary files - Same as directory 1
|-- CEU_1 - Temporary files - Data generated by PhenotypeSimulator - See
  PhenotypeSimulator documentation for this.
| |-- Covs_CEU_1.csv - Temporary files -
| |-- Covs_effect_CEU_1.csv - Temporary files -
| |-- Genotypes_CEU_1.csv - Temporary files -
| |-- Genotypes_genFixed_CEU_1_snptest.gen - Temporary files -
| |-- Genotypes_snptest.gen - Temporary files -
| |-- Kinship_CEU_1.csv - Temporary files -
| |-- Kinship_eigenval_CEU_1.csv - Temporary files -
| |-- Kinship_eigenvec_CEU_1.csv - Temporary files -
| |-- SNP_NrSNP5_CEU_1.csv - Temporary files -
| |-- SNP_effects_NrSNP5_CEU_1.csv - Temporary files -
| |-- Y_correlatedBg_CEU_1.csv - Temporary files -
| |-- Y_genBg_CEU_1.csv - Temporary files -
| |-- Y_genBg_independent_CEU_1.csv - Temporary files -
| |-- Y_genBg_shared_CEU_1.csv - Temporary files -
| |-- Y_genFixed_CEU_1.csv - Temporary files -
| |-- Y_genFixed_independent_CEU_1.csv - Temporary files -
| |-- Y_genFixed_shared_CEU_1.csv - Temporary files -
| |-- Y_noiseBg_CEU_1.csv - Temporary files -
| |-- Y_noiseBg_independent_CEU_1.csv - Temporary files -
| |-- Y_noiseBg_shared_CEU_1.csv - Temporary files -
| |-- Y_noiseFixed_CEU_1.csv - Temporary files -
| |-- Y_noiseFixed_independent_CEU_1.csv - Temporary files -
| |-- Y_noiseFixed_shared_CEU_1.csv - Temporary files -
| |-- Ysim_CEU_1.csv - Temporary files -
| |-- Ysim_snptest.sample - Temporary files -
| |-- cov_correlatedBg_CEU_1.csv - Temporary files -
| |-- cov_genBg_CEU_1.csv - Temporary files -
| |-- cov_genBg_independent_CEU_1.csv - Temporary files -
| |-- cov_genBg_shared_CEU_1.csv - Temporary files -
| |-- cov_noiseBg_CEU_1.csv - Temporary files -
| |-- cov_noiseBg_independent_CEU_1.csv
| |-- cov_noiseBg_shared_CEU_1.csv - Temporary files -
| `-- varComponents_CEU_1.csv - Temporary files -
|-- CEU_2 - Temporary files - Data generated by PhenotypeSimulator
|-- ...
|-- ...
|-- CEU_99 - Temporary files - Data generated by PhenotypeSimulator
|-- CalculatePRS.py - Temporary files -
|-- Merge - This directory contains the merged files -
```

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|  |-- Genotypes_snptest.gen - Gen file which contains data for all files -
|  |-- X.log - Temporary files -
|  |-- X.map - Data in PED/MAP format -
|  |-- X.nosex - Temporary files -
|  |-- X.ped - Data in PED/MAP file -
|  |-- X.vcf - Data in VCF -
|  `-- Ysim_snptest.sample - Temporary files -
|-- PRSice - TOOL -
|-- PRSice.R - TOOL -
|-- PSBenchmark.568950_1.err - Log files generated by hpc -
|-- PSBenchmark.568950_1.out - Log files generated by hpc -
|-- PSBenchmark.568950_10.err - Log files generated by hpc -
|-- PSBenchmark.568950_10.out - Log files generated by hpc -
|-- ...
|-- ...
|-- PSBenchmark.568950_99.err - Log files generated by hpc-
|-- PSBenchmark.568950_99.out - Log files generated by hpc -
|-- QCtarget.R - Temporary files -
|-- Results.txt - Contains results -
|-- TEMP.569050_1.err - Log file -
|-- TEMP.569050_1.out - Log file -
|-- dividedata.py - Divides dataset -
|-- division.sh - Bash file to deploy dividedata.py on HPC -
|-- generatingdata.py - This files is the head and calls other files -
|-- generatingdata.sh - Bash file to deploy generatingdata.py on HPC -
|-- getresults.py - Temporary files - Get PRSice, Machine learning, Plink, and
Lassosum
|-- gtool - Tool -
|-- gtool.log - Temporary files -
|-- head.568949_1.err - Log files generated by hpc -
|-- head.568949_1.out - Log files generated by hpc -
|-- lib - PRSice library -
|-- merge.py - Merge to merge Gen and Sample files place in CEU_1 to CEU_100
directries-
|-- merge.sh - Bash file to deploy merge.py on HPC -
|-- parameters.csv - Contains parameters ( heritability, genetic variation, number
of risk SNPs) which should be passed to head -
|-- people.txt - Contains numbers from 1 to 100 -
|-- plink - Tool -
|-- pmodel.py - Code for machine learning -
|-- prs.569051_1.err - Log files generated by hpc -
|-- prs.569051_1.out - Log files generated by hpc -
|-- prs.569051_2.err - Log files generated by hpc -
|-- prs.569051_2.out - Log files generated by hpc -
|-- ...
|-- prs.569051_5.err - Log files generated by hpc -
|-- prs.569051_5.out - Log files generated by hpc -
|-- pvalue.py - Temporary files -
|-- rawdata - This directory contains file generated by Hapgen2 - Kindly look at
 hapgen2 documentation for details about the files generated in this directory
|  |-- CEU_1.cases.gen - Temporary files -
```

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| |-- CEU_1.cases.haps - Temporary files -
| |-- CEU_1.cases.sample - Temporary files -
| |-- CEU_1.controls.haps - Temporary files -
| |-- CEU_1.gen - Temporary files -
| |-- CEU_1.legend - Temporary files -
| |-- CEU_1.sample - Temporary files -
| |-- CEU_1.summary - Temporary files -
| |-- ...
| |-- CEU_100.cases.gen - Temporary files -
| |-- CEU_100.cases.haps - Temporary files -
| |-- CEU_100.cases.sample - Temporary files -
| |-- CEU_100.controls.haps - Temporary files -
| |-- CEU_100.gen - Temporary files -
| |-- CEU_100.legend - Temporary files -
| |-- CEU_100.sample - Temporary files -
| |-- CEU_100.summary - Temporary files -
|-- sample.R - Code to generate data using PhenotypeSimulator -
|-- sample.sh - Bash file to deploy sample.R on HPC -
|-- snptest - TOOL -
```

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