subHeaderVCF

↳ input

/shares/CIBIO-Storage/BCGLAB/Resources/1000GP/Genotypes_hg38_v2019/ALL.chr10.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.vcf.gz

data/samples4model1550.txt

output →

out/hg38/{modelName}_header.vcf

parseBED

↳ input

bed//{modelName}.bed

output →

tmp/{modelName}.bed

subsetVCFs

↳ input

/shares/CIBIO-Storage/BCGLAB/Resources/dbSNP/00-All.vcf.gz

<input function>

out/hg38/{modelName}_header.vcf

src/subsetVCF.py

tmp/hg38/{modelName}.bed

output →

tmp/tempVCFfiles/{modelName}/{vcf}.filtered.vcf

mergeSubsetVCFs

↳ input

out/hg38/{modelName}_header.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr1.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr10.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr11.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr12.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr13.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr14.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr15.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr16.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr17.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr18.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr19.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr2.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr20.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr21.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr22.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr3.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr4.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr5.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr6.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr7.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr8.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

tmp/tempVCFfiles/{modelName}/ALL.chr9.shapeit2_integrated_snvindels_v2a_27022019.GRCh38.phased.filtered.vcf

output →

out/hg38/vcf/{modelName}.vcf

compressVCF

↳ input

out/hg38/vcf/{modelName}.vcf

output →

out/hg38/vcf/{modelName}.vcf.gz

createModelGDS

↳ input

data/sif.tsv

out/hg38/vcf/{modelName}.vcf.gz

out/hg38/{modelName}_header.vcf

output →

out/hg38/models/{modelName}.gds

all

↳ input

out/hg38/models/KAPA_HyperExome_hg38_capture_targets.gds

out/hg38/models/KAPA_HyperExome_hg38_primary_targets.gds

out/hg38/models/MedExome_hg38_capture_targets.gds

out/hg38/models/MedExome_hg38_empirical_targets.gds

out/hg38/models/SS5_Regions.gds

out/hg38/models/SS6r2_Regions.gds

out/hg38/models/SS7_MergedProbes.gds

out/hg38/models/SS7_Regions.gds

out/hg38/models/SS8_Mergedprobes.gds

out/hg38/models/SS8_Regions.gds

out/hg38/models/SSCREv2_Regions.gds

out/hg38/models/Twist_Exome_Target_hg38.gds

out/hg38/models/hg38_Twist_exome_2_1_annotated_targets.gds