

Input files of many types
(ped/map, bed/bim/fam, vcf, etc.)

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graph TD; A[Input files of many types  
(ped/map, bed/bim/fam, vcf, etc.)] -- "snp_plinkQC()  
Conversion and quality control  
(call rates, maf, hwe, etc.)" --> B[bed/bim/fam]; B -- "snp_plinkIBDQC()  
Relatedness removal" --> C[bed/bim/fam];
```

snp_plinkQC()

Conversion and quality control
(call rates, maf, hwe, etc.)

bed/bim/fam

snp_plinkIBDQC()

Relatedness removal

bed/bim/fam