# BSgenome.Hsapiens.1000genomes.hs37d5

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`BSgenome.Hsapiens.1000genomes.hs37d5`
*1000genomes Reference Genome Sequence (hs37d5)*

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## Description

Full 1000genomes Phase2 Reference Genome Sequence (hs37d5), based on NCBI GRCh37.

## Note

This BSgenome data package was made from the following source data file:

ftp://ftp.1000genomes.ebi.ac.uk/vol1/ftp/technical/reference/phase2_reference_assembly_sequence/hs37d5.fa.gz

The genome is composed of:

- Integrated reference sequence from the GRCh37 primary assembly (chromosomal plus unlocalized and unplaced contigs)
- The rCRS mitochondrial sequence (AC:NC_012920)
- Human herpesvirus 4 type 1 (AC:NC_007605)
- Concatenated decoy sequences (hs37d5cs.fa.gz)

For details, please see ftp://ftp.1000genomes.ebi.ac.uk/vol1/ftp/technical/reference/phase2_reference_assembly_sequence/README_human_reference_20110707.

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## See Also

- BSgenome objects and the `available.genomes` function in the **BSgenome** software package.
- DNAString objects in the **Biostrings** package.
- The BSgenomeForge vignette (`vignette("BSgenomeForge")`) in the **BSgenome** software package for how to make a BSgenome data package.

## Examples

```
BSgenome.Hsapiens.1000genomes.hs37d5
genome <- BSgenome.Hsapiens.1000genomes.hs37d5
seqlengths(genome)
```

# Index

∗ **data**
BSgenome.Hsapiens.1000genomes.hs37d5, 1
∗ **package**
BSgenome.Hsapiens.1000genomes.hs37d5, 1

available.genomes, *1*

BSgenome, *1*
BSgenome.Hsapiens.1000genomes.hs37d5, 1
BSgenome.Hsapiens.1000genomes.hs37d5-package *(*BSgenome.Hsapiens.1000genomes.hs37d5*)*, 1

DNAString, *1*

hs37d5 *(*BSgenome.Hsapiens.1000genomes.hs37d5*)*, 1