|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Sequencing method** | **Size** | **File type** | **Coverage** | **Origin** | **Comments** | **Local path (to unpacked SAM resp. FASTQ file)** |
| **Homo Sapiens** | | | | | | | |
| ERP001775 | Illumina HiSeq | ~2 TB | FastQ | 200x | <http://www.ebi.ac.uk/ena/data/view/ERP001775> | This is the largest dataset. Can be transcoded from gzip to 7zip if needed |  |
| ERP001960 | Illumina HiSeq | ~120 GB each genome | BAM | 30x | [http://www](http://www/).ebi.ac.uk/ena/data/view/ERP001960 | 3 genomes selected  SAMEA1573614  SAMEA1573618  SAMEA1573617 | ***/data/genome/human/illumina/ERP001960/tmp/NA12878\_S1.sam***  /data/genome/human/illumina/ERP001960/tmp/NA12890\_S1.sam  /data/genome/human/illumina/ERP001960/tmp/NA12879\_S1.sam |
| ERP002490 | Illumina HiSeq | 265 GB | BAM | 30-40x | <http://www.ebi.ac.uk/ena/data/view/ERP002490> | The insert size (distance between the pair of reads) is much larger than usual (about 2K bases instead of 300). | ***/data/genome/human/illumina/ERP002490/tmp/NA12878\_S1.sam (536.6 GB)***  /data/genome/human/illumina/ERP002490/tmp/NA12882\_S1.sam  /data/genome/human/illumina/ERP002490/tmp/NA12877\_S1.sam |
| Low coverage  ERR317482  WGS | Illumina  HiSeq 2000 | 6.1 GB | BAM | 1.9x | <http://www.ebi.ac.uk/ena/data/view/ERR317482>  ftp://ftp.1000genomes.ebi.ac.uk/vol1/ftp/technical/reference/phase2\_reference\_assembly\_sequence/hs37d5.fa.gz | Also used as a low coverage test in the Scramble paper. | **/data/genome/human/illumina/ERR317482WGS/tmp/9827\_2#49.sam (21.06 GB)** |
| Low coverage  NA21144.chrom11 | Illumina HiSeq 2000 | 1 GB | BAM | 7.5x | <ftp://ftp.1000genomes.ebi.ac.uk/vol1/ftp/data/NA21144/alignment/NA21144.chrom11.ILLUMINA.bwa.GIH.low_coverage.20130415.bam>  ftp://ftp.1000genomes.ebi.ac.uk/vol1/ftp/technical/reference/phase2\_reference\_assembly\_sequence/hs37d5.fa.gz | Used in Scramble paper.  Processed through the GATK pipeline, which makes the auxiliary data bulkier. (Can be stripped off easily if desired.) | /data/genome/human/illumina/NA21144.chrom11/tmp/NA21144.chrom11.ILLUMINA.bwa.GIH.low\_coverage.20130415.sam |
| PacBio\_CHM1htert\_54x | Pacific Biosciences SMRT | 150 GB | FastQ | 54x | http://datasets.pacb.com/2014/Human54x/fast.html | Available as zipped FastQ |  |
| IonTorrent | Ion Torrent | 1.3 GB each file | BAM |  | <http://www.ebi.ac.uk/ena/data/view/ERX276880>  <http://www.ebi.ac.uk/ena/data/view/ERX276881>  <http://www.ebi.ac.uk/ena/data/view/ERX276882> | <http://www.ebi.ac.uk/ena/data/warehouse/search?query=%22instrument_platform=%22ION_TORRENT%22%20%20AND%20submitted_format=%22BAM%22%22&domain=read> | /data/genome/human/IonTorrent/tmp/sample-2-12\_sorted.sam  /data/genome/human/IonTorrent/tmp/sample-2-11\_sorted.sam  /data/genome/human/IonTorrent/tmp/sample-2-10\_sorted.sam |
| RNAseq |  | 16 GB | BAM |  | http://www.ebi.ac.uk/arrayexpress/files/E-MTAB-1728/K562\_ cytosol\_LID8465\_TopHat\_v2.bam |  | **/data/genome/human/RNAseq/tmp/K562\_cytosol\_LID8465\_TopHat\_v2.sam (75.92 GB)** |
| **Bacteria** | | | | | | | |
| ERX593919  (E. Coli) | Oxford Nanopore | 60 GB | Gzipped Fast5 |  | http://www.ebi.ac.uk/ena/data/view/ERX593919 | To be converted from Fast5 |  |
| ERX593921  (E. Coli) | Oxford Nanopore | 46 GB | Gzipped Fast5 |  | http://www.ebi.ac.uk/ena/data/view/ERX593921 | To be converted from Fast5 |  |
| DH10B  (E.Coli) | Illumina | 1.3 GB | BAM |  | ftp://webdata:webdata@ussd-ftp.illumina.com/Data/SequencingRuns/DH10B/MiSeq\_Ecoli\_DH10B\_110721\_PF.bam  https://raw.githubusercontent.com/allanroscoche/PathTree/master/data/DH10B\_WithDup\_FinalEdit\_validated.fasta | Used in the Deez paper. | **/data/genome/bacteria/DH10B/tmp/MiSeq\_Ecoli\_DH10B\_110721\_PF.sam (5.58 GB)** |
| ERA269036  9799\_7#3.bam (E.Coli) | Illumina | 2.3 GB | BAM |  | <ftp://ftp.sra.ebi.ac.uk/vol1/ERA269/ERA269036/bam/> http://www.ncbi.nlm.nih.gov/nuccore/NC\_000913.2?report=fasta&format=text | Used in the Scramble paper. | /data/genome/bacteria/ERA269036/tmp/9799\_7#3.sam |
| **Metagenomic** | | | | | | | |
| Human gut | Illumina Genome Analyzer II | 10 GB | FastQ |  | http://www.ebi.ac.uk/ena/data/view/ERA000116 | 3 samples picked  SAMEA728920  SAMEA728635  SAMEA728854 |  |
| **Cancer cell lines** | | | | | | | |
| Mutation/Variation Calling Benchmark 4 at CGHub |  | 255 GB | BAM | 60x | <https://cghub.ucsc.edu/datasets/benchmark_download.html> | TCGA BENCHMARK CELL LINE:  HCC1143 NORMAL 60x  f0eaa94b-f622-49b9-8eac-e4eac6762598 | /data/genome/cancercells/f0eaa94b-f622-49b9-8eac-e4eac6762598/tmp/G15511.HCC1143\_BL.1.sam |
| Mutation/Variation Calling Benchmark 4 at CGHub |  | 305 GB | BAM | 50x | <https://cghub.ucsc.edu/datasets/benchmark_download.html> | TCGA BENCHMARK CELL LINE:  HCC1143 TUMOR 50x  ad3d4757-f358-40a3-9d92-742463a95e88 | /data/genome/cancercells/ad3d4757-f358-40a3-9d92-742463a95e88/tmp/G15511.HCC1143.1.sam |
| Mutation/Variation Calling Benchmark 4 at CGHub |  | 130 GB | BAM |  | <https://cghub.ucsc.edu/datasets/benchmark_download.html> | UCSC ARTIFICIAL MIXED SAMPLE: 80% HCC1954BL 20% HCC1954  360b4736-6c5e-48df-af58-c1cf51609350 | **/data/genome/cancercells/360b4736-6c5e-48df-af58-c1cf51609350/tmp/HCC1954.mix1.n80t20.sam (427.03 GB)** |
| **Plants** | | | | | | | |
| T. Cacao | Illumina | 8.2 GB | FastQ | 10x | <http://www.ncbi.nlm.nih.gov/sra/SRX288435> |  |  |