

Simultaneous compression of multiple error-corrected short-read sets for faster data transmission and better de novo assemblies

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Table S1: Details of dataset-33 (33 files, 102.39GB)

Name	Read number	Retrieved from
SRR017498.fastq	2197691	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR017/SRR017498/SRR017498.fastq.gz
SRR017499.fastq	2185062	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR017/SRR017499/SRR017499.fastq.gz
SRR017500.fastq	2067941	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR017/SRR017500/SRR017500.fastq.gz
SRR017501.fastq	9304954	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR017/SRR017501/SRR017501.fastq.gz
SRR350414.fastq	13873841	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR350/SRR350414/SRR350414.fastq.gz
SRR350416.fastq	13800627	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR350/SRR350416/SRR350416.fastq.gz
SRR350417.fastq	13971754	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR350/SRR350417/SRR350417.fastq.gz
SRR364390.fastq	12429076	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR364/SRR364390/SRR364390.fastq.gz
SRR364391.fastq	13524457	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR364/SRR364391/SRR364391.fastq.gz
SRR364392.fastq	13327151	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR364/SRR364392/SRR364392.fastq.gz
SRR364393.fastq	14013116	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR364/SRR364393/SRR364393.fastq.gz
SRR364394.fastq	13776778	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR364/SRR364394/SRR364394.fastq.gz
SRR391480.fastq	23074156	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR391/SRR391480/SRR391480.fastq.gz
SRR391482.fastq	24012306	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR391/SRR391482/SRR391482.fastq.gz
SRR391483.fastq	27413485	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR391/SRR391483/SRR391483.fastq.gz
SRR391484.fastq	26501216	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR391/SRR391484/SRR391484.fastq.gz
SRR404183.fastq	4259218	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR404/SRR404183/SRR404183.fastq.gz
SRR404184.fastq	7816147	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR404/SRR404184/SRR404184.fastq.gz
SRR404185.fastq	4946871	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR404/SRR404185/SRR404185.fastq.gz
SRR404186.fastq	6803145	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR404/SRR404186/SRR404186.fastq.gz
SRR404187.fastq	17124858	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR404/SRR404187/SRR404187.fastq.gz
SRR404188.fastq	14145375	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR404/SRR404188/SRR404188.fastq.gz
SRR449375.fastq	13031496	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR449/SRR449375/SRR449375.fastq.gz
SRR449376.fastq	13197078	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR449/SRR449376/SRR449376.fastq.gz
SRR449377.fastq	13479636	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR449/SRR449377/SRR449377.fastq.gz
SRR449378.fastq	10366702	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR449/SRR449378/SRR449378.fastq.gz
SRR449379.fastq	13147649	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR449/SRR449379/SRR449379.fastq.gz
SRR513465.fastq	13437700	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR513/SRR513465/SRR513465.fastq.gz
SRR547561.fastq	13242851	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR547/SRR547561/SRR547561.fastq.gz
SRR547562.fastq	12911326	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR547/SRR547562/SRR547562.fastq.gz
SRR547563.fastq	15882034	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR547/SRR547563/SRR547563.fastq.gz
SRR547564.fastq	15651448	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR547/SRR547564/SRR547564.fastq.gz
SRR547565.fastq	13524315	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR547/SRR547565/SRR547565.fastq.gz

Table S2: Details of dataset-47 (47 files, 208.97GB)

Name	Read number	Retrieved from
ERR532390.1.fastq	17018488	http://ftp.sra.ebi.ac.uk/vol1/fastq/ERR532/ERR532390/ERR532390.1.fastq.gz
ERR532394.1.fastq	30746428	http://ftp.sra.ebi.ac.uk/vol1/fastq/ERR532/ERR532390/ERR532390.1.fastq.gz
SRR062634.1.fastq	24476109	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR062/SRR062634/SRR062634.1.fastq.gz
SRR062635.1.fastq	24479905	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR062/SRR062635/SRR062635.1.fastq.gz
SRR062641.1.fastq	24958448	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR062/SRR062641/SRR062641.1.fastq.gz
SRR062644.1.fastq	24051140	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR062/SRR062644/SRR062644.1.fastq.gz
SRR062646.1.fastq	24136249	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR062/SRR062646/SRR062646.1.fastq.gz
SRR062655.1.fastq	22997965	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR062/SRR062655/SRR062655.1.fastq.gz
SRR067591.fastq	2387280	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR067/SRR067591/SRR067591.fastq.gz
SRR354180.fastq	6152228	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR354/SRR354180/SRR354180.fastq.gz
SRR354181.fastq	4907117	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR354/SRR354181/SRR354181.fastq.gz
SRR354182.fastq	3578549	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR354/SRR354182/SRR354182.fastq.gz
SRR354183.fastq	5575465	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR354/SRR354183/SRR354183.fastq.gz
SRR361240.fastq	4651469	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR361/SRR361240/SRR361240.fastq.gz
SRR361241.fastq	5137558	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR361/SRR361241/SRR361241.fastq.gz
SRR361242.fastq	5385821	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR361/SRR361242/SRR361242.fastq.gz
SRR361243.fastq	5437878	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR361/SRR361243/SRR361243.fastq.gz
SRR361244.fastq	4951700	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR361/SRR361244/SRR361244.fastq.gz
SRR361245.fastq	3998188	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR361/SRR361245/SRR361245.fastq.gz
SRR387477.fastq	3759745	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR387/SRR387477/SRR387477.fastq.gz
SRR387478.fastq	3890863	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR387/SRR387478/SRR387478.fastq.gz
SRR387479.fastq	3050218	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR387/SRR387479/SRR387479.fastq.gz
SRR387480.fastq	4470576	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR387/SRR387480/SRR387480.fastq.gz
SRR387481.fastq	570358	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR387/SRR387481/SRR387481.fastq.gz
SRR387482.fastq	3171526	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR387/SRR387482/SRR387482.fastq.gz
SRR401414.fastq	11745032	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR401/SRR401414/SRR401414.fastq.gz
SRR401415.fastq	20578433	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR401/SRR401415/SRR401415.fastq.gz
SRR401416.fastq	20515752	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR401/SRR401416/SRR401416.fastq.gz
SRR401417.fastq	14646834	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR401/SRR401417/SRR401417.fastq.gz
SRR445612.1.fastq	22691950	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR445/SRR445612/SRR445612.1.fastq.gz
SRR445635.1.fastq	19586556	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR445/SRR445635/SRR445635.1.fastq.gz
SRR445718.fastq	32943665	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR445/SRR445718/SRR445718.fastq.gz
SRR445719.fastq	30690825	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR445/SRR445719/SRR445719.fastq.gz
SRR445724.fastq	50896528	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR445/SRR445724/SRR445724.fastq.gz
SRR490961.fastq	49127668	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR490/SRR490961/SRR490961.fastq.gz
SRR490962.fastq	45583212	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR490/SRR490962/SRR490962.fastq.gz
SRR490976.fastq	33261944	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR490/SRR490976/SRR490976.fastq.gz
SRR504462.fastq	21246896	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR504/SRR504462/SRR504462.fastq.gz
SRR504463.fastq	26425413	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR504/SRR504463/SRR504463.fastq.gz
SRR504464.fastq	26186672	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR504/SRR504464/SRR504464.fastq.gz
SRR504465.fastq	26350142	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR504/SRR504465/SRR504465.fastq.gz

SRR504466.fastq	24871839	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR504/SRR504466/SRR504466.fastq.gz
SRR504468.fastq	22474516	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR504/SRR504468/SRR504468.fastq.gz
SRR518633.fastq	21896197	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR518/SRR518633/SRR518633.fastq.gz
SRR518634.fastq	24974345	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR518/SRR518634/SRR518634.fastq.gz
SRR518635.fastq	23529206	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR518/SRR518635/SRR518635.fastq.gz
SRR518636.fastq	15501764	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR518/SRR518636/SRR518636.fastq.gz

Table S3: Details of dataset-50 (50 files, 71.04GB)

Name	Read number	Retrieved from
SRR020684_1.fastq	10375605	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR020/SRR020684/SRR020684_1.fastq.gz
SRR020687_1.fastq	10394255	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR020/SRR020687/SRR020687_1.fastq.gz
SRR020688_1.fastq	8837322	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR020/SRR020688/SRR020688_1.fastq.gz
SRR020690_1.fastq	9534829	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR020/SRR020688/SRR020690_1.fastq.gz
SRR020692_1.fastq	9260242	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR020/SRR020692/SRR020692_1.fastq.gz
SRR020696_1.fastq	8961001	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR020/SRR020696/SRR020696_1.fastq.gz
SRR020697_1.fastq	9827620	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR020/SRR020697/SRR020697_1.fastq.gz
SRR020698_1.fastq	9658118	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR020/SRR020698/SRR020698_1.fastq.gz
SRR020699_1.fastq	9540494	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR020/SRR020699/SRR020699_1.fastq.gz
SRR033506_1.fastq	9668964	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR033/SRR033506/SRR033506_1.fastq.gz
SRR033508_1.fastq	9800692	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR033/SRR033508/SRR033508_1.fastq.gz
SRR033513_1.fastq	10103429	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR033/SRR033513/SRR033513_1.fastq.gz
SRR033516_1.fastq	10490546	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR033/SRR033516/SRR033516_1.fastq.gz
SRR033540_1.fastq	10022304	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR033/SRR033540/SRR033540_1.fastq.gz
SRR035578.fastq	17211229	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR035/SRR035578/SRR035578.fastq.gz
SRR035580.fastq	18183656	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR035/SRR035580/SRR035580.fastq.gz
SRR035581.fastq	17419085	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR035/SRR035581/SRR035581.fastq.gz
SRR035582.fastq	17661304	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR035/SRR035582/SRR035582.fastq.gz
SRR035583.fastq	17342832	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR035/SRR035583/SRR035583.fastq.gz
SRR035585.fastq	18387207	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR035/SRR035585/SRR035585.fastq.gz
SRR035586.fastq	19275633	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR035/SRR035578/SRR0355786.fastq.gz
SRR042754_1.fastq	12211192	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR042/SRR042754/SRR042754_1.fastq.gz
SRR042756_1.fastq	11931416	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR042/SRR042756/SRR042756_1.fastq.gz
SRR042758_1.fastq	11149360	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR042/SRR042758/SRR042758_1.fastq.gz
SRR042760_1.fastq	11350648	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR042/SRR042760/SRR042760_1.fastq.gz
SRR042762_1.fastq	11648481	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR042/SRR042762/SRR042762_1.fastq.gz
SRR042768_1.fastq	12045980	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR042/SRR042768/SRR042768_1.fastq.gz
SRR306333.fastq	1467267	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR306/SRR306333/SRR306333.fastq.gz
SRR306334.fastq	1324182	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR306/SRR306334/SRR306334.fastq.gz
SRR306335.fastq	1265603	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR306/SRR306335/SRR306335.fastq.gz
SRR306336.fastq	1695994	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR306/SRR306336/SRR306336.fastq.gz
SRR306337.fastq	1506514	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR306/SRR306337/SRR306337.fastq.gz

SRR306338.fastq	1171861	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR306/SRR306333/SRR306338.fastq.gz
SRR306339.fastq	820255	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR306/SRR306339/SRR306339.fastq.gz
SRR306340.fastq	791082	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR306/SRR306340/SRR306334-.fastq.gz
SRR306341.fastq	1102312	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR306/SRR306341/SRR306341.fastq.gz
SRR306342.fastq	985592	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR306/SRR306342/SRR306342.fastq.gz
SRR404352.1.fastq	9218083	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR404/SRR404352/SRR404352.1.fastq.gz
SRR404353.1.fastq	12132806	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR404/SRR404353/SRR404353.1.fastq.gz
SRR404354.1.fastq	10353791	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR404/SRR404354/SRR404354.1.fastq.gz
SRR404355.1.fastq	13407653	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR404/SRR404355/SRR404355.1.fastq.gz
SRR445237.1.fastq	4165017	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR445/SRR445237/SRR445237.1.fastq.gz
SRR445239.1.fastq	2763227	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR445/SRR445239/SRR445239.1.fastq.gz
SRR447746.fastq	12077910	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR447/SRR447746/SRR447746.fastq.gz
SRR447747.fastq	12077910	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR447/SRR447747/SRR447747.fastq.gz
SRR448375.fastq	8703586	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR448/SRR448375/SRR448375.fastq.gz
SRR448376.fastq	18597630	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR448/SRR448376/SRR448376.fastq.gz
SRR448378.fastq	2151255	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR448/SRR448378/SRR448378.fastq.gz
SRR448379.fastq	18619182	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR448/SRR448379/SRR448379.fastq.gz
SRR448380.fastq	20000000	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR448/SRR448380/SRR448380.fastq.gz

Table S4: Details of dataset-100 (100 files, 197.97GB)

Name	Read number	Retrieved from
SRR013495.fastq	3971263	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR013/SRR013495/SRR013495.fastq.gz
SRR013496.fastq	5115896	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR013/SRR013496/SRR013496.fastq.gz
SRR013497.fastq	6504569	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR013/SRR013497/SRR013497.fastq.gz
SRR013499.fastq	5884129	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR013/SRR013499/SRR013499.fastq.gz
SRR013500.fastq	9159886	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR013/SRR013500/SRR013500.fastq.gz
SRR013501.fastq	5684218	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR013/SRR013501/SRR013501.fastq.gz
SRR013528.fastq	4028371	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR013/SRR013528/SRR013528.fastq.gz
SRR013529.fastq	4559407	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR013/SRR013529/SRR013529.fastq.gz
SRR013531.fastq	4781540	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR013/SRR013531/SRR013531.fastq.gz
SRR013532.fastq	6475821	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR013/SRR013532/SRR013532.fastq.gz
SRR013533.fastq	6257147	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR013/SRR013533/SRR013533.fastq.gz
SRR014480.fastq	9548334	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR014/SRR014480/SRR014480.fastq.gz
SRR014482.fastq	6934214	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR014/SRR014482/SRR014482.fastq.gz
SRR014483.fastq	10843095	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR014/SRR014483/SRR014483.fastq.gz
SRR014485.fastq	17748216	http://ftp.sra.ebi.ac.uk/vol1/fastq/SRR014/SRR014485/SRR014485.fastq.gz
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