Dataset	Algorithm	Size (	Compressed-size byte	Compression-time	Compression-ratio	Compression-speed Mb/sec	Decompression-time	Decompression-speed Mb/sec Com	ment Processor	L1 Cache	L2 Cache	RAM	Operating system Compiler
T1 LambdaVirus.fa	zip	48.502	14.465	0,022	70,18	2,10	0,006	2,30	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	gzip	48.502	14.316	0,015	70,48	3,08	0,008	1,71	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	bzip2	48.502	13.249	0,015	72,68	3,08	0,011	1,15	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	xz	48.502	13.468	0,033	72,23	0,39	0,012	1,07	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	L&Z	48.502	27.349	0,003	43,61	15,42	0,005	5,22	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	Izma	48.502	13.424	0,028	72,32	1,65	0,012	1,07	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	osdna	48.502	12.135	0,062	74,98	0,75	0,011	1,05	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)
	bwt512+osdna	48.502	12.135	0,162	74,98	0,29	0,012	0,96	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)
	osdna+zip	48.502	12.284	0,122	74,67	0,38	0,071	0,16	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)
	bwt512+osdna+zip	48.502	14.465	0,222	70,18	0,21	0,072	0,19	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)
T2 Homo_saplens.GRCh38 dna_sm	zip	3.072.712.323	847.980.783	631,998	72,40	4,64	24,422	33,11	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	gzip	3.072.712.323	847.980.647	348,76	72,40	8,40	23,08	35,04	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	bzip2	3.072.712.323	775.099.444	285,627	74,77	10,26	130,907	5,65	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	xz	3.072.712.323	674.159.200	3414,41	78,06	0,86	38,56	16,67	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	L&Z	3.072.712.323	1.664.818.241	10,99	45,82	266,64	6,26	253,63	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	Izma	3.072.712.323	674.054.625	3505,86	78,06	0,84	39,59	16,24	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	osdna	3.072.712.323	767.229.085	218,004	75,03	13,44	87,46	8,37	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)
	bwt512+osdna	3.072.712.323	709.195.679	800,42	76,92	3,66	884,6	0,76	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)
	osdna+zip	3.072.712.323	732.059.606	246,236	76,18	11,90	95,94	7,28	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)
	bwt512+osdna+zip	3.072.712.323	671.318.220	832,89	78,15	3,52	898,68	0,71	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)
T3 SRR741411_2	zip	7.982.945.875	2.254.125.397	1535,9	71,76	4,96	61	35,24	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	gzip	7.982.945.875	2.254.125.141	831,59	71,76	9,15	53,06	40,51	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	bzip2	7.982.945.875	2.040.455.140	638,4	74,44	11,93	313	6,22	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	xz	7.982.945.875	1.841.024.792	7724,07	76,94	0,99	89,17	19,69	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	L&Z	7.982.945.875	4.378.928.489	26,87	45,15	283,33	27,87	149,84	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	Izma	7.982.945.875	1.841.010.415	7844,97	76,94	0,97	93,18	18,84	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS
	osdna	7.982.945.875	1.985.110.985	303,87	75,13	25,05	237,11	7,98	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)
	bwt512+osdna	7.982.945.939	1.859.532.666	1593,44	76,71	4,78	1527,33	1,16	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)
	osdna+zip	7.982.945.875	1.951.229.051	376,87	75,56	20,20	310,23	6,00	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)
	bwt512+osdna+zip	7.982.945.939	1.783.732.895	1680,99	77,66	4,53	1544,84	1,10	Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)
T4 Mais	osdna	2.104.355.420	526.066.762	163	75,00	12,31			Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)
T5 Cricetus	osdna	2.320.022.665	579.639.181	188	75,02	11,77			Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)
T6 homo_sapiens	osdna	3.095.961.822	773.032.878	146	75,03	20,22			Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)
T7 Pinus	osdna	20.547.720.415	5.136.566.107	847	75,00	23,14			Intel Xeon Processor (Skylake, IBRS)	(32 Kb + 32 Kb) x 2	4 Mb + 16 Mb	8 Gb	Ubuntu 18.04.2 LTS gcc version 7.3.0 (Ubuntu 7.3.0-27ubuntu1~18.04)