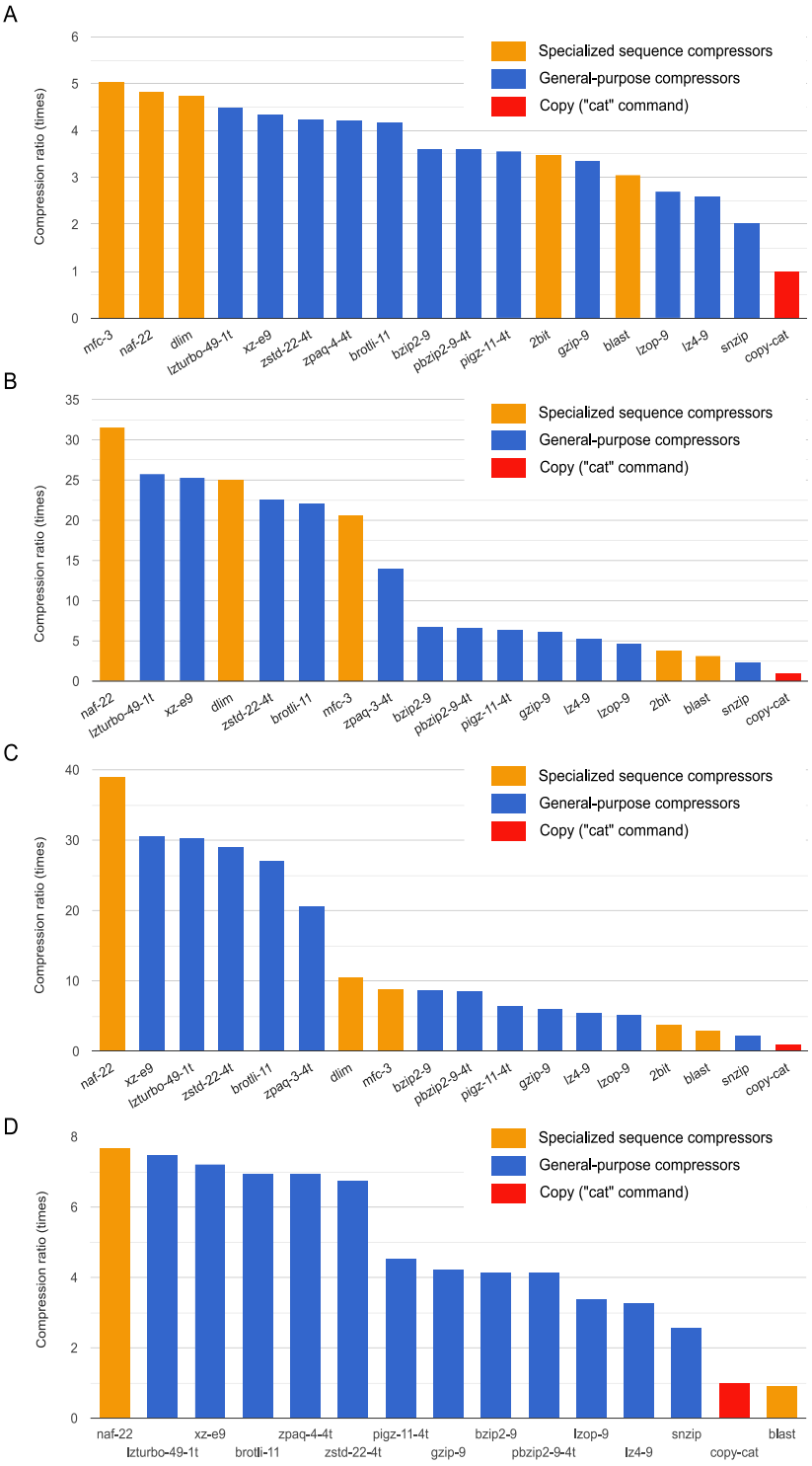

Fig. S1. Best settings of each compressor compared in compactness on four kinds of test data: (A) Genomes larger than 10 MB, (B) Repetitive DNA datasets, (C) RNA datasets, and (D) Protein datasets. See Table S2 for the list of datasets. Column colors: orange - sequence compressors, blue - general-purpose compressors, red - copy compressor ("cat" command).

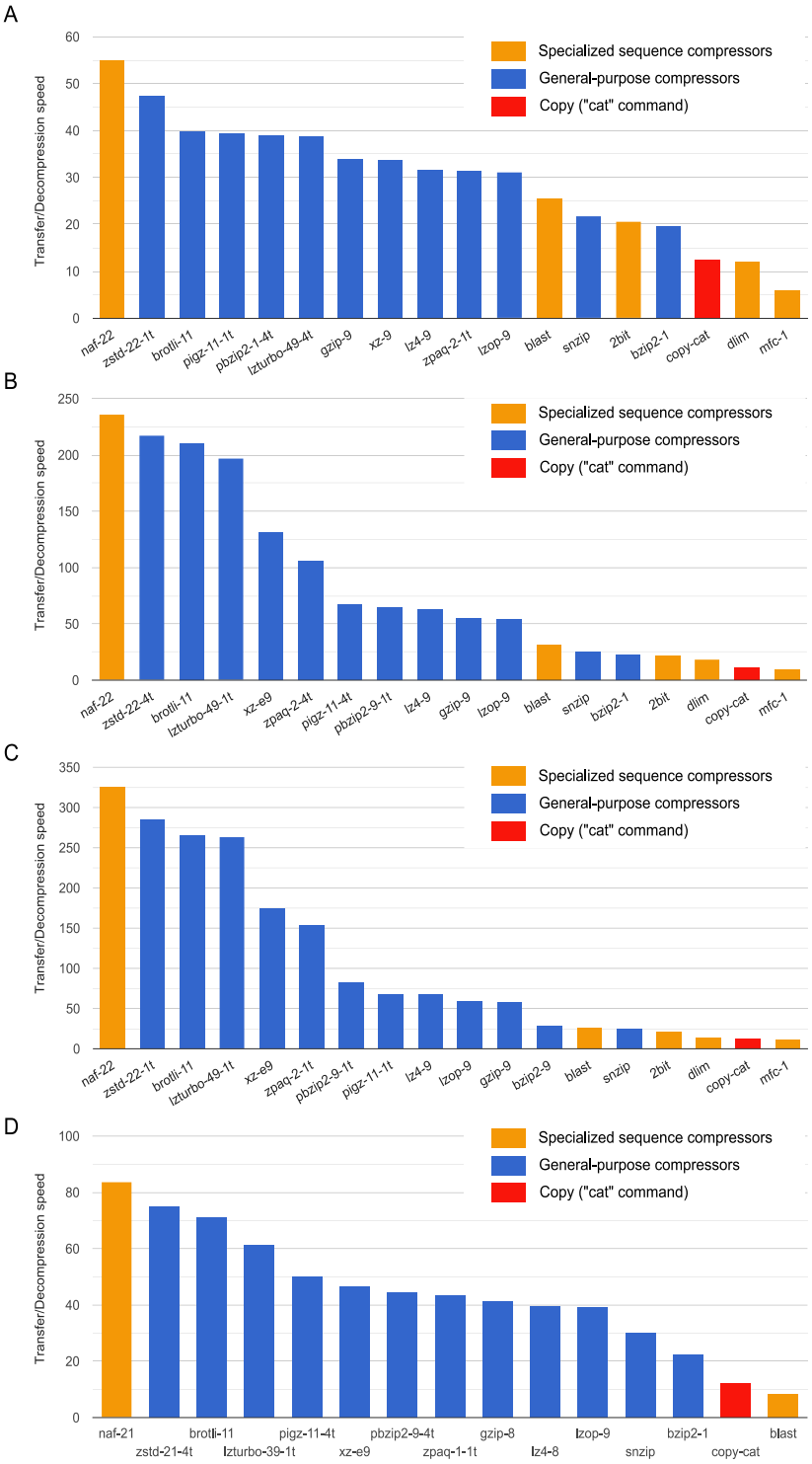

Fig. S2. Best settings of each compressor in terms of transfer/decompression speed, compared on four kinds of test data: (A) Genomes larger than 10 MB, (B) Repetitive DNA datasets, (C) RNA datasets, and (D) Protein datasets. See Table S2 for the list of datasets. Column colors: orange - sequence compressors, blue - general-purpose compressors, red - copy compressor ("cat" command). Link speed of 100 Mbit/s was used for estimating the transfer time.

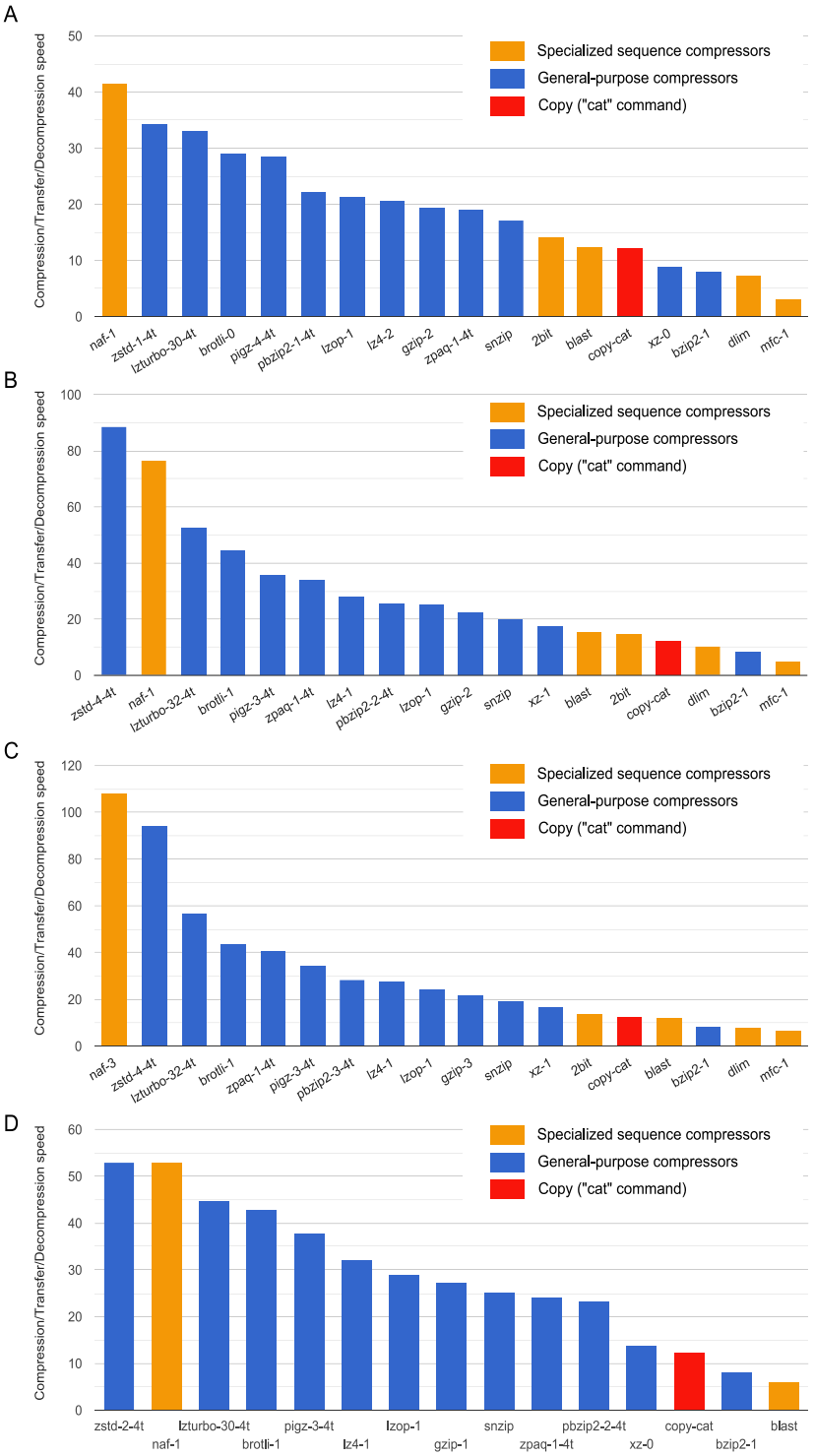

Fig. S3. Best settings of each compressor in terms of compression/transfer/decompression speed, compared on four kinds of test data: (A) Genomes larger than 10 MB, (B) Repetitive DNA datasets, (C) RNA datasets, and (D) Protein datasets. See Table S2 for the list of datasets. Column colors: orange - sequence compressors, blue - general-purpose compressors, red - copy compressor ("cat" command). Link speed of 100 Mbit/s was used for estimating the transfer time.

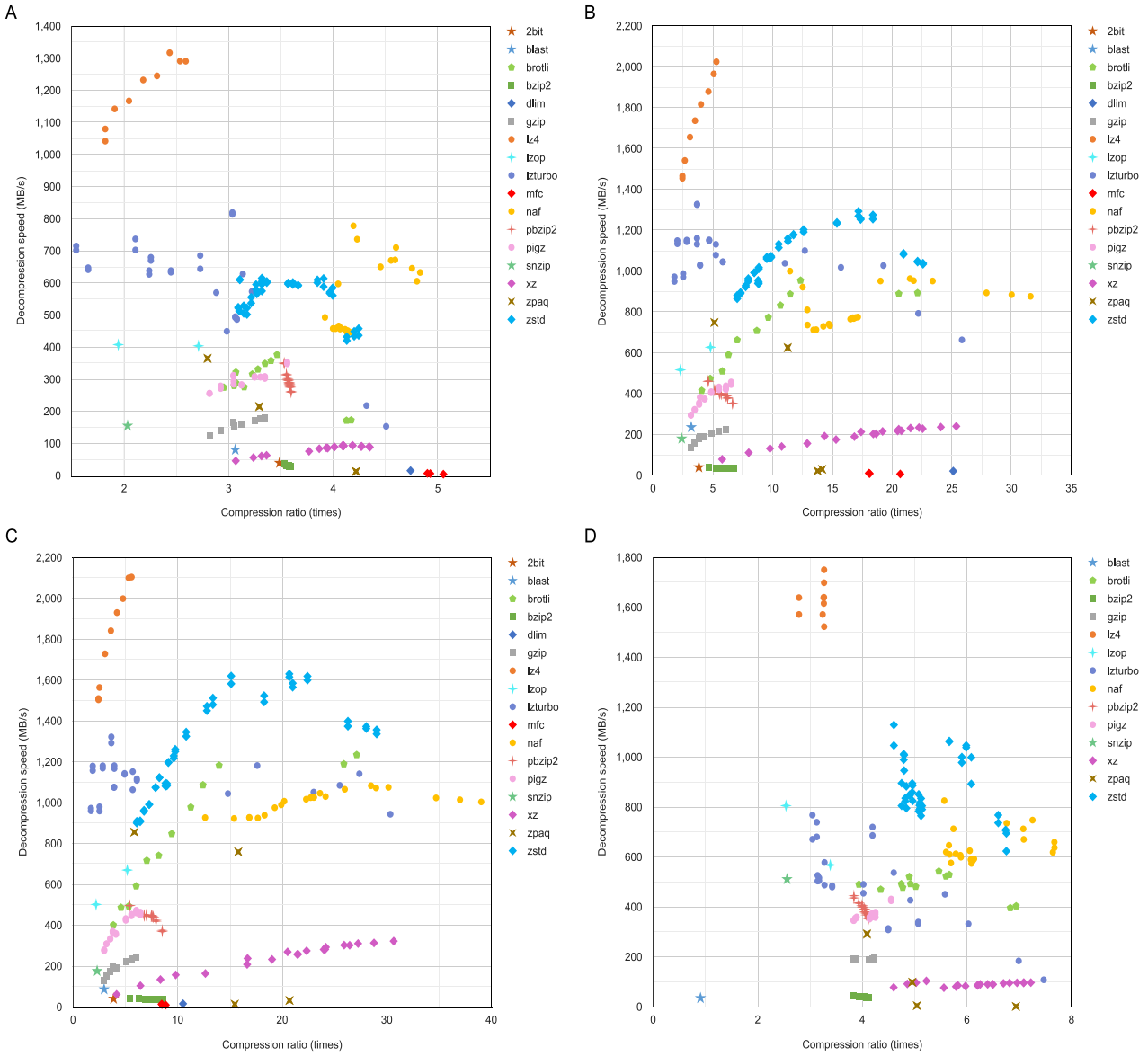

Fig. S4. Compression ratio and decompression speed of all compressor settings, on four kinds of test data: (A) Genomes larger than 10 MB, (B) Repetitive DNA datasets, (C) RNA datasets, and (D) Protein datasets.

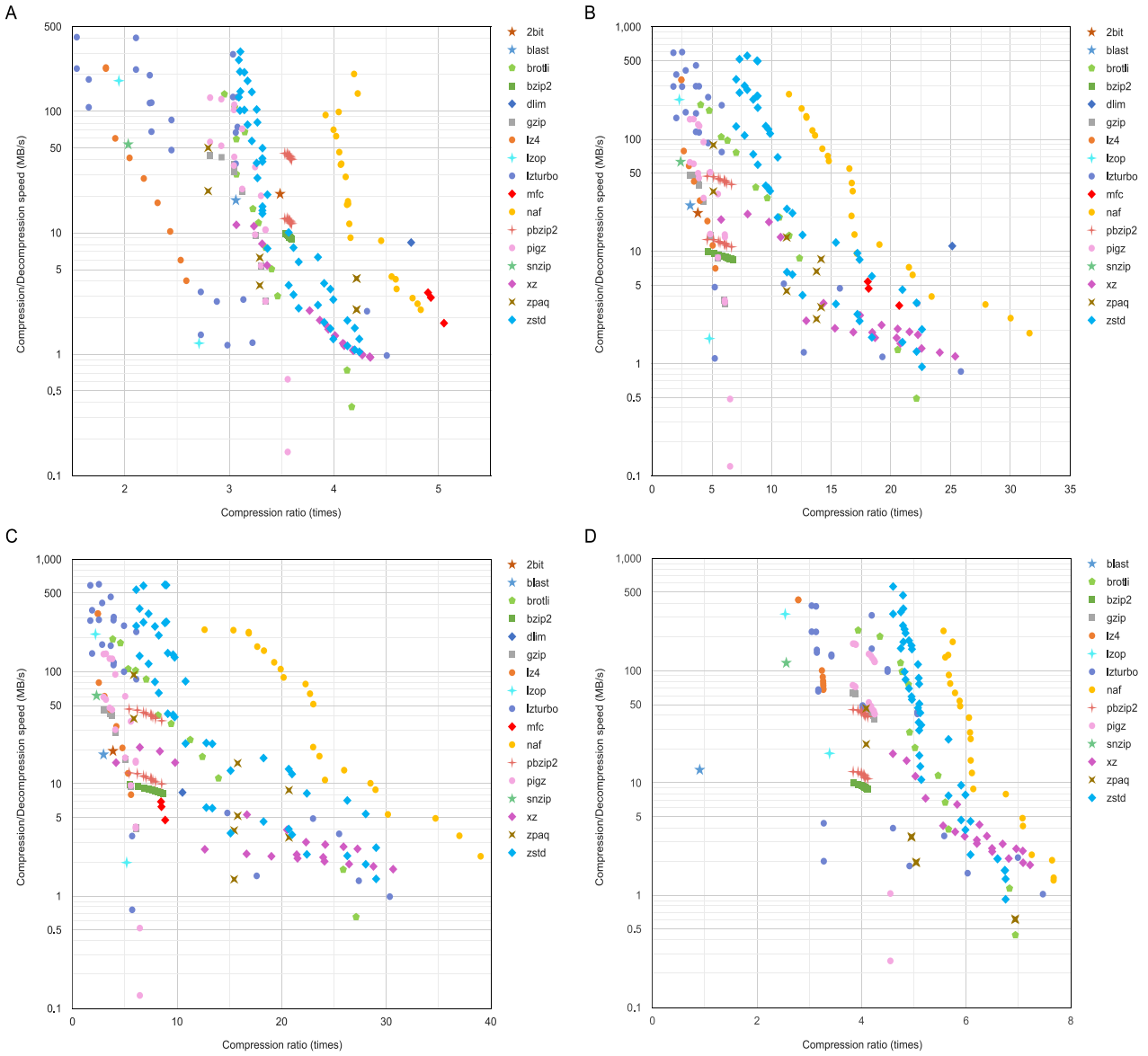

Fig. S5. Compression ratio and compression/decompression speed of all compressor settings, on four kinds of test data: (A) Genomes larger than 10 MB, (B) Repetitive DNA datasets, (C) RNA datasets, and (D) Protein datasets. Vertical axis uses logarithmic scale.

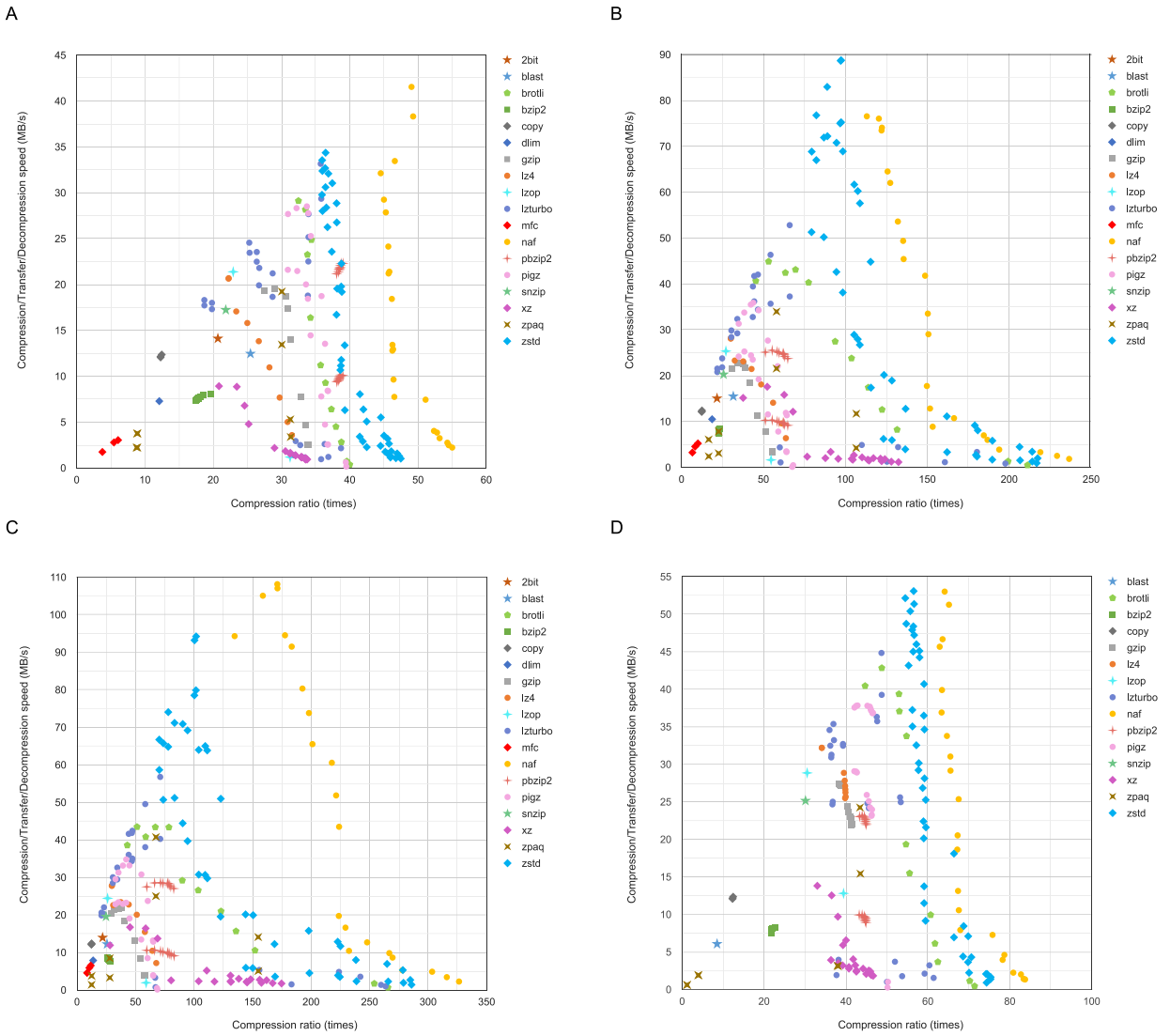

Fig. S6. Compression ratio and compression/decompression speed of all compressor settings, on four kinds of test data: (A) Genomes larger than 10 MB, (B) Repetitive DNA datasets, (C) RNA datasets, and (D) Protein datasets.

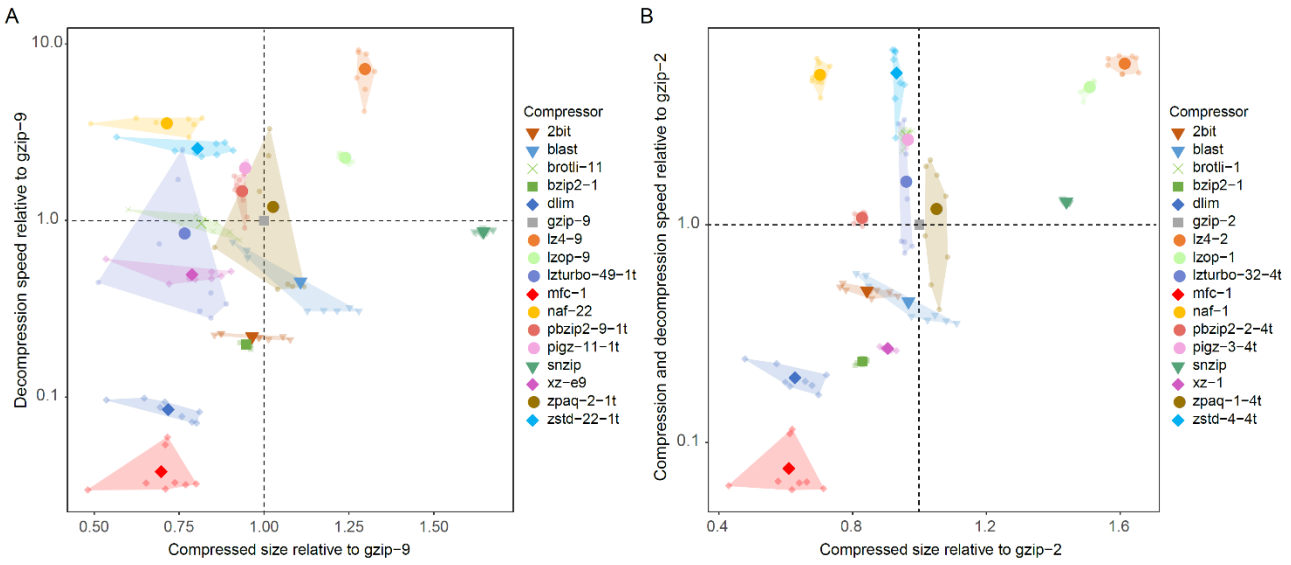

Fig. S7. Relative performance of compressors compared to gzip. Only best version of each compressor is shown, in terms of: (A) Transfer/Decompression speed and (B) Compression/Transfer/Decompression speed. Different points of the same color show performance of the same compressor and setting on different test datasets. Genomes larger than 10 MB are used as test data.