	FM-HF-BV		FM-HF-R^3-15		FM-RLMN		FM-HF-R^3-63	
	Time (μs)	Space (%)	Time (μs)	Space (%)	Time (μs)	Space (%)	Time (μs)	Space (%)
ENGLISH.200MB	0.596	61	1.228	38	1.631	69	2.228	27
DBLP.XML.200MB	0.643	70	1.159	32	1.621	34	1.770	17
DNA.200MB	0.226	29	0.594	28	1.082	79	1.362	24
PROTEINS.200MB	0.531	56	1.326	53	1.563	89	2.758	48
SOURCES.200MB	0.728	73	1.408	39	1.712	53	2.410	26

Table 1: Time in μsec per pattern symbol in a count query. Index space as fraction of original file size. Compile options: `-DUSE_HP -msse4.2 -O9 -funroll-loops -fomit-frame-pointer -ffast-math -DNDEBUG`.

	FM-HF-BV		FM-HF-R^3-15		FM-RLMN		FM-HF-R^3-63	
	Time (μs)	Space (%)	Time (μs)	Space (%)	Time (μs)	Space (%)	Time (μs)	Space (%)
ENGLISH.200MB	0.753	61	1.254	38	1.918	69	2.212	27
DBLP.XML.200MB	0.849	70	1.145	32	2.635	34	1.749	17
DNA.200MB	0.311	29	0.605	28	1.233	79	1.328	24
PROTEINS.200MB	0.671	56	1.306	53	1.811	89	2.746	48
SOURCES.200MB	0.936	73	1.406	39	2.129	53	2.418	26

Table 2: Time in μsec per pattern symbol in a count query. Index space as fraction of original file size. Compile options: `-DPOPCOUNT_TL -O9 -funroll-loops -fomit-frame-pointer -ffast-math -DNDEBUG`.

	FM-HF-BV		FM-HF-R^3-15		FM-RLMN		FM-HF-R^3-63	
	Time (μs)	Space (%)	Time (μs)	Space (%)	Time (μs)	Space (%)	Time (μs)	Space (%)
ENGLISH.200MB	0.656	61	1.234	38	1.830	69	2.261	27
DBLP.XML.200MB	0.734	70	1.145	32	2.015	34	1.742	17
DNA.200MB	0.270	29	0.602	28	1.175	79	1.330	24
PROTEINS.200MB	0.583	56	1.305	53	1.728	89	2.739	48
SOURCES.200MB	0.804	73	1.434	39	1.921	53	2.412	26

Table 3: Time in μsec per pattern symbol in a count query. Index space as fraction of original file size. Compile options: `-O9 -funroll-loops -fomit-frame-pointer -ffast-math -DNDEBUG`.

	FM-HF-BV		FM-HF-R^3-15		FM-RLMN		FM-HF-R^3-63	
	Time (μs)	Space (%)	Time (μs)	Space (%)	Time (μs)	Space (%)	Time (μs)	Space (%)
ENGLISH.200MB	1.198	61	2.268	38	3.056	69	5.342	27
DBLP.XML.200MB	1.365	70	2.130	32	5.524	34	4.364	17
DNA.200MB	0.562	29	1.190	28	2.096	79	2.962	24
PROTEINS.200MB	1.075	56	2.438	53	2.831	89	5.950	48
SOURCES.200MB	1.441	73	2.574	39	3.386	53	5.894	26

Table 4: Time in μsec per pattern symbol in a count query. Index space as fraction of original file size. Compile options: `-O0 -DNDEBUG`.

	FM-HF-BV		FM-HF-R^3-15		FM-RLMN		FM-HF-R^3-63	
	Time (μs)	Space (%)	Time (μs)	Space (%)	Time (μs)	Space (%)	Time (μs)	Space (%)
ENGLISH.200MB	0.668	61	1.251	38	1.840	69	2.300	27
DBLP.XML.200MB	0.742	70	1.156	32	2.071	34	1.778	17
DNA.200MB	0.278	29	0.609	28	1.214	79	1.353	24
PROTEINS.200MB	0.591	56	1.299	53	1.757	89	2.685	48
SOURCES.200MB	0.821	73	1.439	39	1.975	53	2.439	26

Table 5: Time in μsec per pattern symbol in a count query. Index space as fraction of original file size. Compile options: `-O1 -DNDEBUG`.

	FM-HF-BV		FM-HF-R^3-15		FM-RLMN		FM-HF-R^3-63	
	Time (μs)	Space (%)	Time (μs)	Space (%)	Time (μs)	Space (%)	Time (μs)	Space (%)
ENGLISH.200MB	0.599	61	1.243	38	1.644	69	2.228	27
DBLP.XML.200MB	0.631	70	1.141	32	1.593	34	1.754	17
DNA.200MB	0.230	29	0.593	28	1.073	79	1.352	24
PROTEINS.200MB	0.532	56	1.298	53	1.538	89	2.760	48
SOURCES.200MB	0.720	73	1.457	39	1.699	53	2.428	26

Table 6: Time in μsec per pattern symbol in a count query. Index space as fraction of original file size. Compile options: `-msse4.2 -O9 -funroll-loops -fomit-frame-pointer -ffast-math -DNDEBUG`.

Identifier	sdsl type
FM-HF-BV	`csa_wt<wt_huff<bit_vector, rank_support_v5<>, select_support_scan<>, select_support_scan<0>>, 1<<20, 1<<20>`
FM-HF-R^3-15	`csa_wt<wt_huff<rrr_vector<15>>, 1<<20, 1<<20>`
FM-RLMN	`csa_wt<wt_rlmn<>, 1<<20, 1<<20>`
FM-HF-R^3-63	`csa_wt<wt_huff<rrr_vector<63>>, 1<<20, 1<<20>`

Table 7: Index identifier and corresponding sdsl-type.