

	FM-HF-BV		FM-HF-R ³ -15		FM-RLMN		FM-HF-R ³ -63	
	Time	Space	Time	Space	Time	Space	Time	Space
	(μs)	(%)	(μs)	(%)	(μs)	(%)	(μs)	(%)
DBLPXML	0.651	70	1.192	32	1.642	34	1.770	17
DNA	0.233	29	0.601	28	1.112	79	1.330	24
ENGLISH	0.598	61	1.247	38	1.684	69	2.239	27
PROTEINS	0.545	56	1.362	53	1.559	89	2.805	48
SOURCES	0.747	73	1.435	39	1.761	53	2.439	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	Space	Time	Space	Time	Space	Time	Space
	(μs)	(%)	(μs)	(%)	(μs)	(%)	(μs)	(%)
DBLPXML	0.923	70	1.158	32	2.660	34	1.765	17
DNA	0.321	29	0.606	28	1.268	79	1.334	24
ENGLISH	0.783	61	1.306	38	1.995	69	2.242	27
PROTEINS	0.708	56	1.387	53	1.891	89	2.774	48
SOURCES	0.955	73	1.501	39	2.205	53	2.424	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	Space	Time	Space	Time	Space	Time	Space
	(μs)	(%)	(μs)	(%)	(μs)	(%)	(μs)	(%)
DBLPXML	0.730	70	1.151	32	2.006	34	1.753	17
DNA	0.271	29	0.620	28	1.266	79	1.377	24
ENGLISH	0.663	61	1.268	38	1.863	69	2.232	27
PROTEINS	0.595	56	1.331	53	1.766	89	2.782	48
SOURCES	0.839	73	1.512	39	2.044	53	2.472	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	Space	Time	Space	Time	Space	Time	Space
	(μs)	(%)	(μs)	(%)	(μs)	(%)	(μs)	(%)
DBLPXML	1.390	70	2.125	32	5.490	34	4.379	17
DNA	0.559	29	1.183	28	2.112	79	3.165	24
ENGLISH	1.216	61	2.285	38	3.073	69	5.301	27
PROTEINS	1.100	56	2.493	53	2.941	89	5.945	48
SOURCES	1.478	73	2.614	39	3.413	53	5.921	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 (%)
DBLPXML	0.773	70	1.188	32	2.204	34	1.786	17
DNA	0.277	29	0.621	28	1.215	79	1.352	24
ENGLISH	0.686	61	1.300	38	1.874	69	2.238	27
PROTEINS	0.611	56	1.388	53	1.795	89	2.714	48
SOURCES	0.839	73	1.494	39	1.982	53	2.467	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 (%)
DBLPXML	0.639	70	1.161	32	1.620	34	1.746	17
DNA	0.233	29	0.599	28	1.099	79	1.337	24
ENGLISH	0.598	61	1.243	38	1.669	69	2.231	27
PROTEINS	0.537	56	1.360	53	1.568	89	2.768	48
SOURCES	0.738	73	1.489	39	1.796	53	2.486	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 class
FM-HF-BV	<code>csa_wt<wt_huff<bit_vector, rank_support.v5<>, select_support.scan<>, select_support.scan<0> >, 1<<20, 1<<20></code>
FM-HF-R ³ -15	<code>csa_wt<wt_huff<rrr_vector<15> >, 1<<20, 1<<20></code>
FM-HF-R ³ -63	<code>csa_wt<wt_huff<rrr_vector<63> >, 1<<20, 1<<20></code>
FM-RLMN	<code>csa_wt<wt_rlmn<>, 1<<20, 1<<20></code>

Table 7: Index identifier and corresponding sdsl-type.