

$B$	bits	Function	Avg (s)
10 000	1024	Setup	0.033
		Encrypt	0.032
		Keygen	0.0001
		Decrypt	0.258
	2048	Setup	0.230
		Encrypt	0.233
		Keygen	0.0001
		Decrypt	0.551
	4096	Setup	1.496
		Encrypt	1.519
		Keygen	0.0002
		Decrypt	2.007
100 000	1024	Setup	0.033
		Encrypt	0.032
		Keygen	0.0001
		Decrypt	3.160
	2048	Setup	0.234
		Encrypt	0.235
		Keygen	0.0001
		Decrypt	4.098
	4096	Setup	1.502
		Encrypt	1.517
		Keygen	0.0002
		Decrypt	7.339
1 000 000	1024	Setup	0.037
		Encrypt	0.033
		Keygen	0.0001
		Decrypt	40.522
	2048	Setup	0.280
		Encrypt	0.233
		Keygen	0.0001
		Decrypt	52.310
	4096	Setup	1.550
		Encrypt	1.522
		Keygen	0.0002
		Decrypt	68.170
10 000 000	1024	Setup	0.088
		Encrypt	0.032
		Keygen	0.0001
		Decrypt	the process was killed

Table 1: Performance metrics with  $\ell = 100$  for different values of  $B$  and bits