The results were computed using 10 Linux pcs equipped with one AMD Athlon$^{\text{TM}}$ 64 X2 Dual Core Processor 3800+, 2 GHz, LinuX Debian 4.1.1-15, gcc-4.1.2 20060928 (prerelease) and

GP/PARI CALCULATOR Version 2.3.1 (released) i486 running linux (ix86/GMP-4.2.1 kernel) 32-bit version compiled: Oct 7 2006, gcc-4.1.2 20060928 (prerelease) (Debian 4.1.1-15) (readline v5.2 enabled [was v5.1 in Configure], extended help not available)

Copyright (C) 2000-2006 The PARI Group

and gp2c v. 0.0.pl5.

The cases q = 59, 68, 69, 70, 73, 77, 79, 83, 85, 87, 89, 93, 95, 97, 98, 99, 100 were computed using another Linux pc equipped with one Intel® Xeon® double quad Core, 64 bits, 2.33GHz, Linux Red Hat 3.4.3-9.EL4, gcc-3.4.3 20041212, with

GP/PARI CALCULATOR Version 2.3.2 (released) amd64 running linux (x86-64 kernel) 64-bit version compiled: Oct 9 2007, gcc-3.4.3 20041212 (Red Hat 3.4.3-9.EL4) (readline v4.3 enabled, extended help available)

Copyright (C) 2000-2006 The PARI Group

and gp2c v. 0.0.pl5.

The cases q = 41, 46, 53, 59, 61, 67, 71, 73, 79, 82, 83, 87, 89, 93, 97 were computed using the PARI/GP parameter REALPRECISION = 110.

The remaining cases were computed using the PARI/GP parameter REALPRECISION = 120.

Total computation time: 1.897,036096 hours = 79,043171 days.

q	min	sec	millisec
3	0	41	202
4	0	44	286
5	2	42	322
6	0	42	675
7	5	20	969
8	2	48	971
9	5	17	331
10	2	44	887
11	19	16	740
12	3	38	786
13	28	2	518
14	7	0	590
15	11	45	5
16	13	48	36
17	55	47	625
18	7	4	23
19	68	19	777
20	13	54	132
21	29	59	488
22	24	18	28
23	127	33	255
24	16	43	174
25	89	39	680
26	35	34	618
27	72	2	119
28	35	19	328
29	207	15	421
30	14	56	119
31	405	19	564
32	80	17	617
33	107	43	420
34	84	48	305
35	152	4	418
36	41	29	972
37	419	20	860
38	99	13	169
39	157	20	167
40	81	14	960
41	629	31	485
42	43	23	751
43	675	24	549
44	150	50	861
45	172	23	160
46	184	50	854
47	845	48	604
48	94	12	102
49	647	32	917
50	130	58	80

q	min	sec	millisec
51	435	30	769
52	269	25	39
53	1239	34	877
54	116	7	563
55	602	40	744
56	234	3	934
57	505	25	732
58	338	55	119
59*	1331	26	817
60	109	26	326
61	1839	48	23
62	429	5	273
63	532	1	527
64	506	5	102
65	1111	37	781
66	161	55	752
67	2445	29	486
68*	442	27	400
69*	713	59	109
70*	165	39	915
71	5822	49	979
72	552	46	920
73*	5410	44	241
74	1450	44	683
75	1371	25	615
76	1587	38	458
77*	2724	25	503
78	546	42	214
79*	6476	32	20
80	1150	49	647
81	2843	18	607
82	1765	4	691
83*	6807	21	789
84	822	51	522
85*	3918	21	449
86	1874	1	372
87*	2857	54	334
88	1815	21	508
89*	8620	37	67
90	483	38	437
91	5639	8	473
92	2544	20	553
93*	3380	28	147
94	2598	47	541
95*	5075	1	167
96	1113	40	749
97*	11100	0	833
98*	1003	24	799
99*	1838	44	271
100*	987	47	147

Computation time for Mertens' constants to the modulus $3 \le q \le 50$ (left table) and $51 \le q \le 100$ (right table). The $*$ means that the computation was performed using a double quad-core pc.