Tool Name	Execution Time (s)	Total Energy (J)	CPU Energy (J)	Memory Energy (J)	Energy/Time (J/s)
CMake	3 (1.8)	3 (3.2)	2 (3.8)	3 (1.8)	3 (1.8)
qmake	2 (1.7)	2 (3.0)	4 (4.3)	2 (1.7)	2 (1.7)
Qbs	4 (2.0)	4 (3.5)	5 (4.5)	4 (2.0)	4 (2.0)
NetBeans IDE	4 (2.0)	5 (4.5)	6 (5.5)	4 (2.0)	4 (2.0)
Code::Blocks	6 (3.0)	8 (7.0)	11 (9.0)	6 (3.0)	6 (3.0)
CLion	3 (1.8)	3 (3.2)	2 (3.8)	3 (1.8)	3 (1.8)
CodeLite	4 (2.0)	5 (4.5)	7 (6.0)	4 (2.0)	4 (2.0)
Eclipse CDT	4 (2.0)	4 (3.5)	5 (4.5)	4 (2.0)	4 (2.0)
KDevelop	3 (1.8)	3 (3.2)	2 (3.8)	3 (1.8)	3 (1.8)
Geany	6 (3.0)	8 (7.0)	10 (8.0)	6 (3.0)	6 (3.0)
Anjuta DevStudio	5 (2.5)	7 (5.8)	9 (7.5)	5 (2.5)	5 (2.5)
Qt Creator	3 (1.8)	3 (3.2)	3 (4.1)	3 (1.8)	3 (1.8)
DialogBlocks	4 (2.0)	5 (4.5)	6 (5.5)	4 (2.0)	4 (2.0)
ZinjaI	4 (2.0)	6 (5.5)	8 (6.5)	4 (2.0)	4 (2.0)
GPS	3 (1.8)	4 (3.5)	5 (4.5)	3 (1.8)	3 (1.8)
Oracle Developer Studio	4 (2.0)	5 (4.5)	6 (5.5)	4 (2.0)	4 (2.0)
Sphere Engine	1 (1.0)	1 (2.0)	1 (3.0)	1 (1.0)	1 (1.0)
AWS Cloud9	6 (3.0)	9 (7.5)	11 (9.0)	6 (3.0)	6 (3.0)

Table 1: fasta tools ranked with 0 decimal points

Tool Name	Execution Time (s)	Total Energy (J)	CPU Energy (J)	Memory Energy (J)	Energy/Time (J/s)
CMake	2 (4.2)	2 (7.5)	2 (7.5)	2 (4.2)	3 (4.0)
qmake	5 (5.3)	5 (9.0)	5 (8.3)	5 (4.7)	3 (4.0)
Qbs	7 (6.0)	6 (9.5)	6 (8.5)	7 (5.0)	5 (4.5)
NetBeans IDE	8 (6.5)	7 (11.0)	8 (10.5)	9 (6.0)	6 (5.0)
Code::Blocks	13 (10.0)	11 (18.0)	12 (16.0)	13 (8.0)	9 (7.0)
CLion	2 (4.2)	2 (7.5)	2 (7.5)	2 (4.2)	3 (4.0)
CodeLite	6 (5.5)	7 (11.0)	7 (10.0)	8 (5.5)	7 (5.5)
Eclipse CDT	3 (5.0)	3 (8.0)	3 (8.0)	7 (5.0)	5 (4.5)
KDevelop	2 (4.2)	2 (7.5)	2 (7.5)	2 (4.2)	3 (4.0)
Geany	11 (9.0)	9 (15.0)	11 (14.0)	11 (7.0)	11 (8.0)
Anjuta DevStudio	10 (8.2)	9 (15.0)	10 (13.5)	10 (6.8)	8 (6.0)
Qt Creator	3 (5.0)	4 (8.4)	3 (8.0)	4 (4.6)	4 (4.1)
DialogBlocks	3 (5.0)	8 (12.0)	9 (11.5)	3 (4.5)	8 (6.0)
ZinjaI	9 (7.0)	10 (15.5)	10 (13.5)	8 (5.5)	8 (6.0)
GPS	4 (5.2)	5 (9.0)	4 (8.2)	6 (4.8)	2 (3.8)
Oracle Developer Studio	8 (6.5)	7 (11.0)	8 (10.5)	9 (6.0)	6 (5.0)
Sphere Engine	1 (3.0)	1 (6.0)	1 (6.0)	1 (3.0)	1 (3.0)
AWS Cloud9	12 (9.5)	12 (19.5)	13 (17.0)	12 (7.5)	10 (7.5)

Table 2: fasta tools ranked with 1 decimal points

Tool Name	Execution Time (s)	Total Energy (J)	CPU Energy (J)	Memory Energy (J)	Energy/Time (J/s)
CMake	2 (9.5)	2 (9.5)	2 (9.5)	2 (8.2)	2 (7.0)
qmake	7 (12.0)	5 (11.3)	6 (11.7)	8 (10.7)	4 (7.7)
Qbs	9 (13.5)	7 (12.5)	7 (12.5)	7 (10.5)	2 (7.0)
NetBeans IDE	10 (16.0)	9 (14.0)	8 (13.0)	9 (13.5)	5 (8.5)
Code::Blocks	15 (24.0)	14 (22.0)	13 (22.0)	14 (18.0)	9 (12.0)
CLion	2 (9.5)	2 (9.5)	2 (9.5)	2 (8.2)	2 (7.0)
CodeLite	6 (11.5)	8 (13.5)	9 (13.5)	5 (10.0)	7 (10.5)
Eclipse CDT	4 (10.5)	3 (10.0)	3 (10.0)	3 (9.0)	6 (9.0)
KDevelop	2 (9.5)	2 (9.5)	2 (9.5)	2 (8.2)	2 (7.0)
Geany	12 (19.0)	11 (18.0)	11 (18.0)	11 (15.0)	10 (14.0)
Anjuta DevStudio	13 (20.0)	12 (18.5)	11 (18.0)	12 (15.2)	7 (10.5)
Qt Creator	5 (11.2)	4 (10.8)	4 (10.9)	4 (9.6)	3 (7.2)
DialogBlocks	3 (10.0)	10 (14.5)	10 (14.5)	3 (9.0)	9 (12.0)
ZinjaI	11 (18.0)	13 (19.0)	12 (18.5)	10 (14.0)	8 (11.5)
GPS	8 (12.8)	6 (11.5)	5 (11.0)	6 (10.2)	1 (6.5)
Oracle Developer Studio	10 (16.0)	9 (14.0)	8 (13.0)	9 (13.5)	5 (8.5)
Sphere Engine	1 (7.0)	1 (8.0)	1 (9.0)	1 (6.0)	2 (7.0)
AWS Cloud9	14 (23.0)	15 (23.5)	14 (23.0)	13 (17.0)	10 (14.0)

Table 3: fasta tools ranked with 2 decimal points

Tool Name	Execution Time (s)	Total Energy (J)	CPU Energy (J)	Memory Energy (J)	Energy/Time (J/s)
CMake	2 (9.8)	2 (9.5)	2 (9.5)	2 (10.0)	3 (9.8)
qmake	7 (12.0)	5 (11.3)	6 (11.7)	8 (13.3)	7 (11.3)
Qbs	9 (13.5)	7 (12.5)	7 (12.5)	6 (12.5)	2 (9.5)
NetBeans IDE	10 (16.5)	9 (14.0)	8 (13.0)	9 (17.0)	6 (11.0)
Code::Blocks	15 (25.0)	14 (22.0)	13 (22.0)	14 (25.0)	12 (16.0)
CLion	2 (9.8)	2 (9.5)	2 (9.5)	2 (10.0)	3 (9.8)
CodeLite	6 (11.5)	8 (13.5)	9 (13.5)	7 (13.0)	10 (14.5)
Eclipse CDT	4 (10.5)	3 (10.0)	3 (10.0)	4 (11.0)	8 (11.5)
KDevelop	2 (9.8)	2 (9.5)	2 (9.5)	2 (10.0)	3 (9.8)
Geany	12 (20.0)	11 (18.0)	11 (18.0)	10 (18.0)	14 (19.0)
Anjuta DevStudio	13 (20.8)	12 (18.5)	11 (18.0)	12 (20.0)	9 (13.8)
Qt Creator	5 (11.3)	4 (10.8)	4 (10.9)	5 (11.7)	5 (10.2)
DialogBlocks	3 (10.0)	10 (14.5)	10 (14.5)	3 (10.5)	12 (16.0)
ZinjaI	11 (18.5)	13 (19.0)	12 (19.0)	11 (18.5)	11 (15.0)
GPS	8 (13.0)	6 (11.5)	5 (11.0)	7 (13.0)	1 (8.8)
Oracle Developer Studio	10 (16.5)	9 (14.0)	8 (13.0)	9 (17.0)	6 (11.0)
Sphere Engine	1 (7.0)	1 (8.0)	1 (9.0)	1 (7.0)	4 (10.0)
AWS Cloud9	14 (24.0)	15 (23.5)	14 (23.5)	13 (22.5)	13 (18.5)

Table 4: fasta tools ranked with 3 decimal points