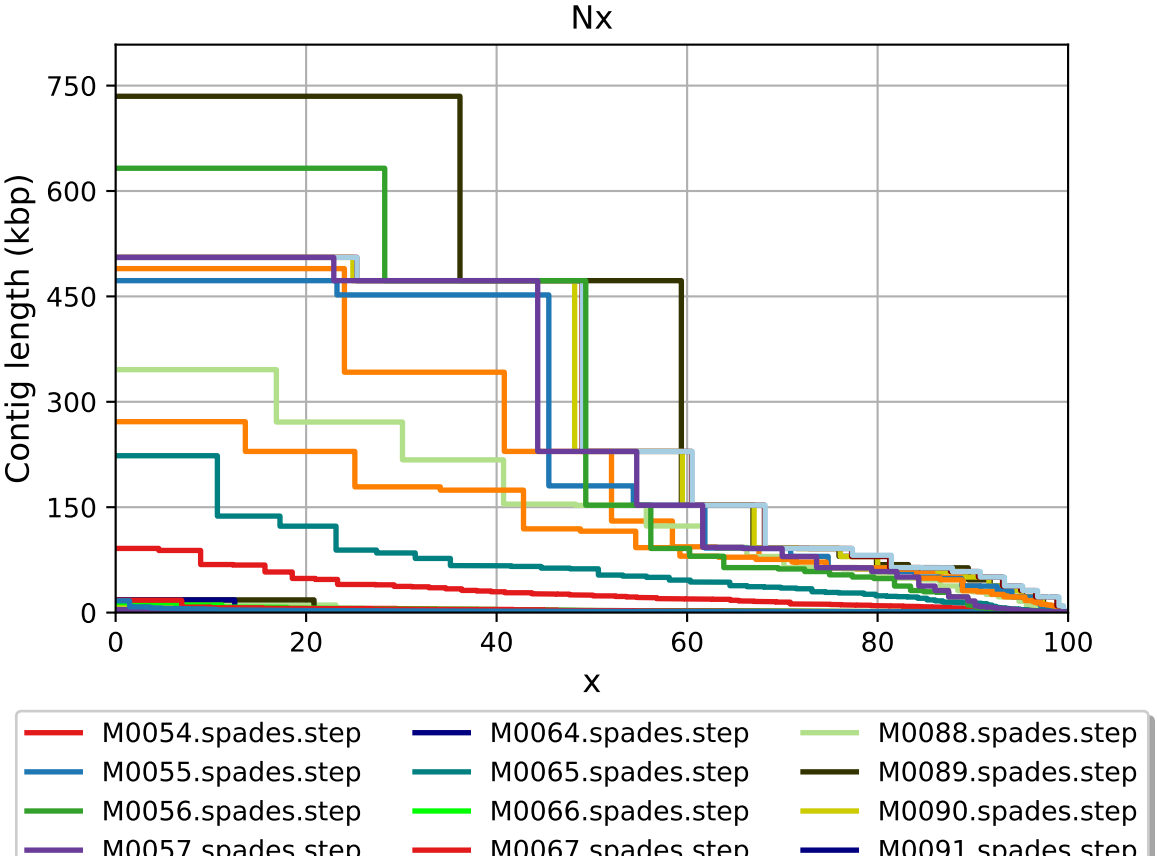
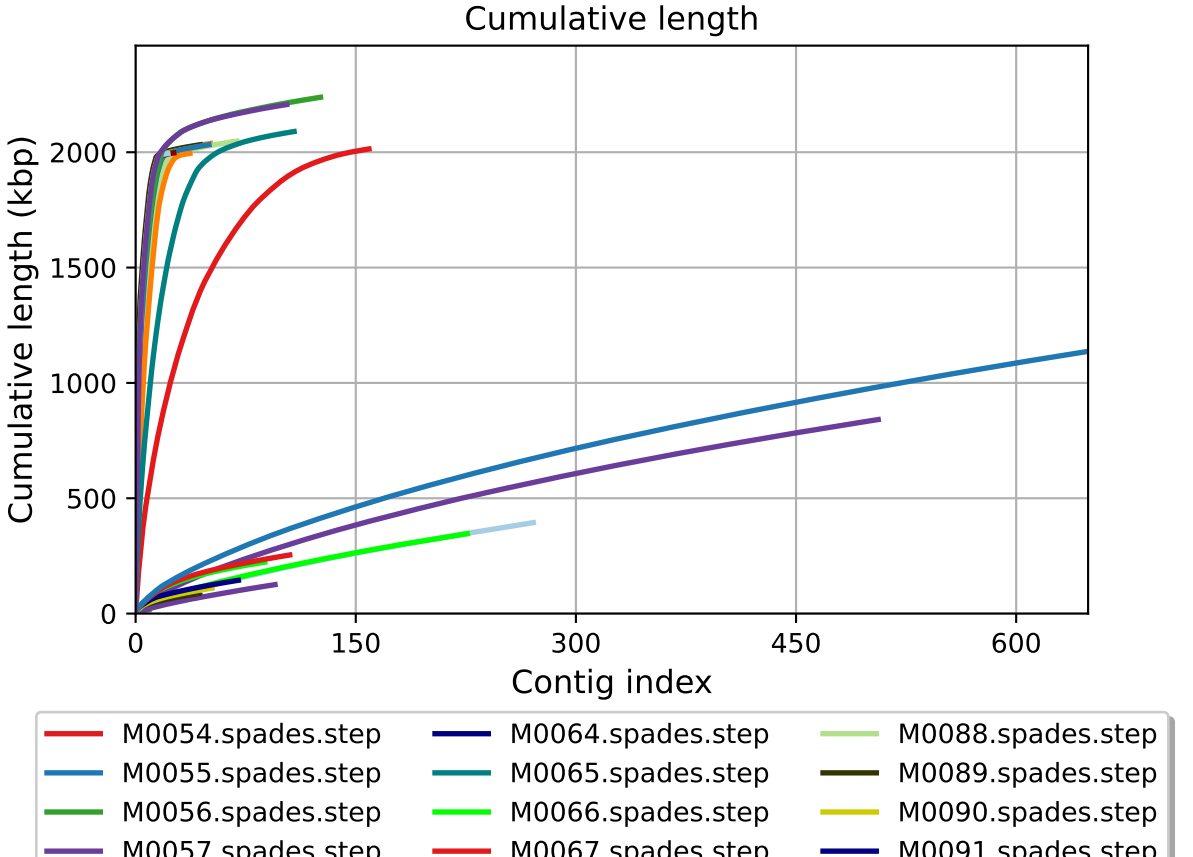
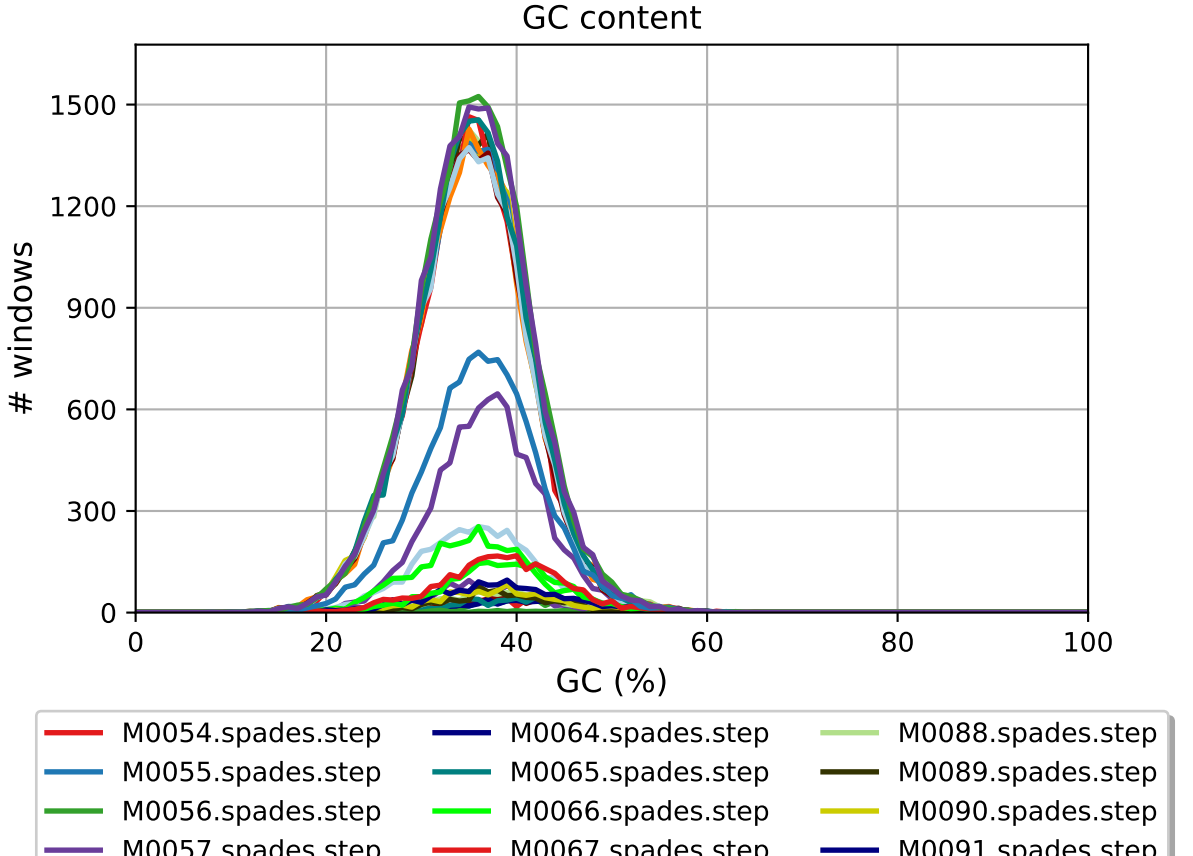
Report

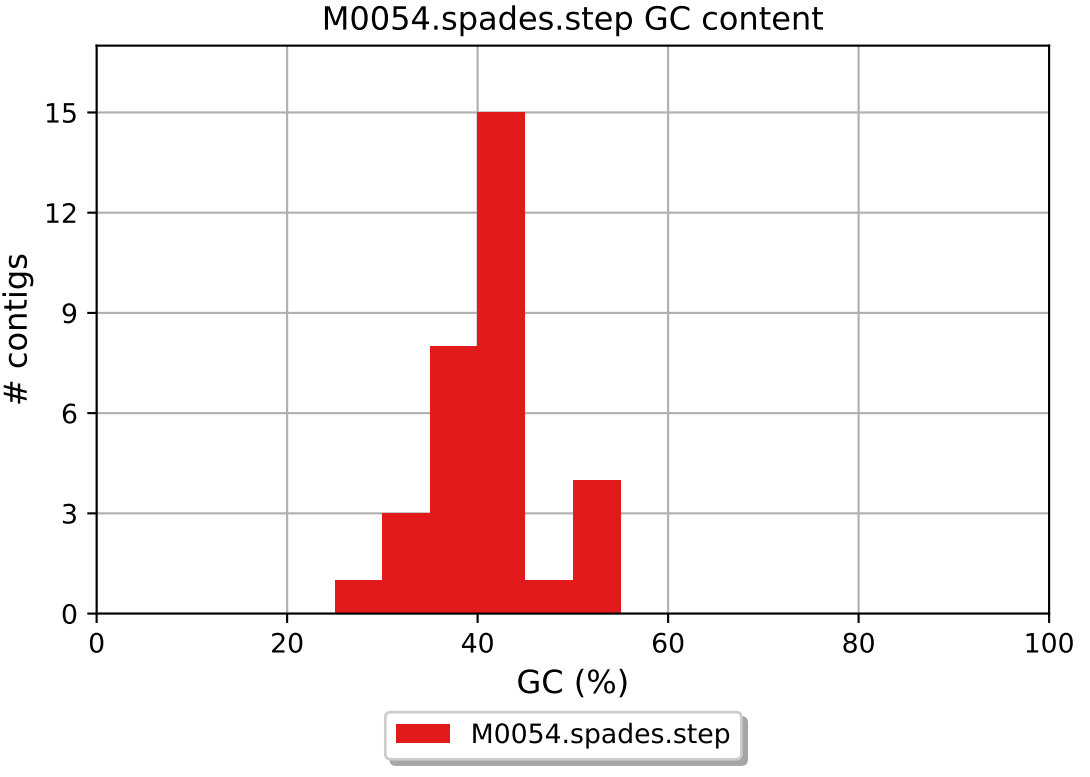
	M0054.spades.step	M0055.spades.step	M0056.spades.step	M0057.spades.step	M0058.spades.step	M0059.spades.step	M0060.spades.step	M0061.spades.step	M0062.spades.step	M0063.spades.step	M0064.spades.step	M0065.spades.step	M0066.spades.step	M0067.spades.step	M0068.spades.step	M0074.spades.step	M0075.spades.step	M0076.spades.step	M0077.spades.step	M0078.spades.step	M0088.spades.step	M0089.spades.step	M0090.spades.step	M0091.spades.step	M0092.spades.step	M0093.spades.step	M0094.spades.step	M0095.spades.step	M0096.spades.step	M0097.spades.step
# contigs (>= 0 bp)	32	32	33	506	51	44	271	69	44	48	33	42	226	159	50	9	95	37	26	22	44	43	52	70	108	88	105	649	126	103
# contigs (>= 1000 bp)	32	32	33	506	51	44	271	69	44	48	33	42	226	159	50	9	95	37	26	22	44	43	52	70	108	88	105	649	126	103
# contigs (>= 5000 bp)	3	2	2	3	21	2	2	24	15	16	2	1	3	99	19	0	0	27	16	16	3	1	4	3	51	11	10	15	31	27
# contigs (>= 10000 bp)	0	0	0	1	19	0	0	21	14	15	0	0	0	61	18	0	0	25	15	15	2	1	1	1	42	2	1	1	19	16
# contigs (>= 25000 bp)	0	0	0	0	16	0	0	18	12	13	0	0	0	23	15	0	0	19	13	13	0	0	0	0	27	0	0	0	16	13
# contigs (>= 50000 bp)	0	0	0	0	13	0	0	12	9	11	0	0	0	5	11	0	0	14	11	11	0	0	0	0	14	0	0	0	11	11
Total length (>= 0 bp)	65641	62691	61360	841136	2037965	78222	394186	2048428	2032487	2028932	58971	69864	346137	2014214	2032717	15953	125522	1994879	1996915	1994420	99339	86684	110260	144388	2089691	222842	254044	1136748	2238248	2206624
Total length (>= 1000 bp)	65641	62691	61360	841136	2037965	78222	394186	2048428	2032487	2028932	58971	69864	346137	2014214	2032717	15953	125522	1994879	1996915	1994420	99339	86684	110260	144388	2089691	222842	254044	1136748	2238248	2206624
Total length (>= 5000 bp)	19385	12418	12598	27009	1984211	11978	10281	1981541	1985687	1983592	11213	5860	18098	1874440	1983307	0	0	1975282	1983082	1984919	28376	18056	29303	30029	1979256	79826	73231	105099	2089106	2068099
Total length (>= 10000 bp)	0	0	0	15705	1968988	0	0	1958822	1979904	1973951	0	0	0	1598072	1973666	0	0	1959948	1973441	1975278	22979	18056	12226	18056	1922559	24882	17628	16772	2013271	1990940
Total length (>= 25000 bp)	0	0	0	0	1908230	0	0	1898100	1935302	1929346	0	0	0	984830	1912906	0	0	1860157	1928836	1930569	0	0	0	0	1667858	0	0	0	1957889	1929820
Total length (>= 50000 bp)	0	0	0	0	1813740	0	0	1678006	1819600	1860218	0	0	0	373573	1757440	0	0	1677915	1859462	1861195	0	0	0	0	1214622	0	0	0	1781860	1860692
# contigs	32	32	33	506	51	44	271	69	44	48	33	42	226	159	50	9	95	37	26	22	44	43	52	70	108	88	105	649	126	103
Largest contig	6761	6636	6748	15705	489540	6357	5241	345736	734830	505458	5906	5860	7864	91327	472405	3920	4632	271689	505616	505458	12228	18056	12226	18056	223247	14212	17628	16772	632399	505458
Total length	65641	62691	61360	841136	2037965	78222	394186	2048428	2032487	2028932	58971	69864	346137	2014214	2032717	15953	125522	1994879	1996915	1994420	99339	86684	110260	144388	2089691	222842	254044	1136748	2238248	2206624
GC (%)	41.17	41.58	41.01	37.03	35.30	39.57	35.94	35.28	35.23	35.23	41.48	40.16	35.91	35.28	35.29	44.78	36.71	35.17	35.19	35.18	38.28	38.87	38.02	38.07	35.24	38.66	38.34	36.19	35.49	35.47
N50	2149	2125	1801	1637	229388	1587	1401	152679	472405	229388	1671	1513	1444	24820	180343	1952	1217	115858	229388	229388	2994	1827	2222	2031	62285	2945	2986	1734	152823	229387
N75	1375	1283	1325	1268	63723	1230	1153	62773	91235	91235	1253	1227	1223	11866	64019	1308	1107	64019	91235	91235	1400	1329	1328	1294	28702	1687	1517	1289	53700	64019
L50	8	9	10	172	3	12	101	5	2	3	9	14	81	24	3	3	38	6	3	3	9	10	13	15	11	20	24	208	3	3
L75	18	18	20	319	9	27	179	10	5	6	20	27	147	53	8	6	65	12	6	6	23	24	29	39	24	45	54	400	10	8
# N's per 100 kbp	150.82	146.75	96.15	16.64	7.16	141.90	81.94	5.76	7.08	0.99	67.83	57.25	25.71	10.13	1.97	438.79	170.49	8.22	2.50	5.06	10.07	11.54	9.07	13.85	0.48	8.97	50.38	5.28	5.36	4.35

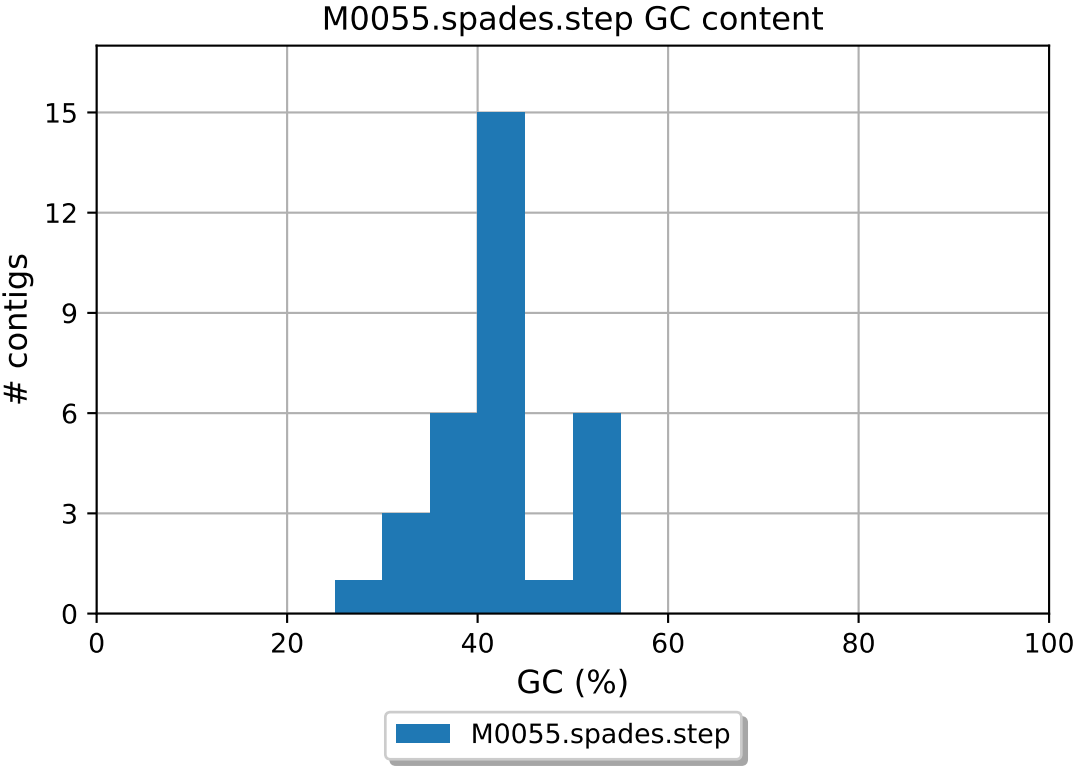
All statistics are based on contigs of size >= 500 bp, unless otherwise noted
(e.g., "# contigs (>= 0 bp)" and "Total length (>= 0 bp)" include all contigs).

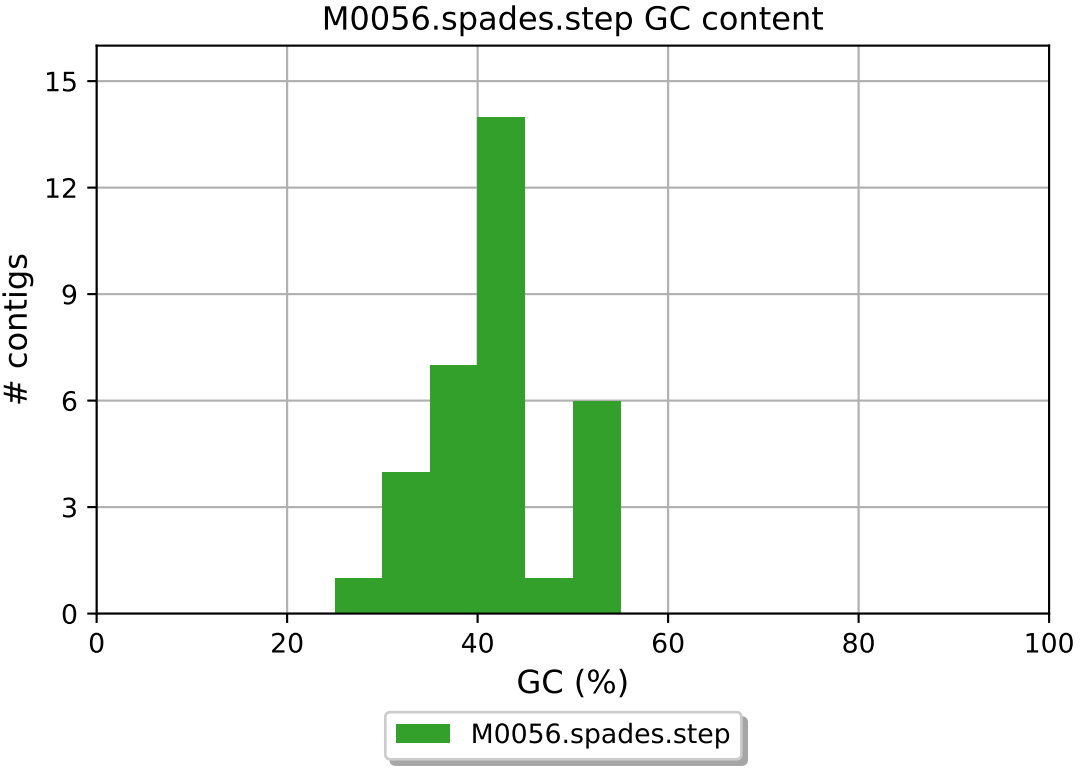

Nx
Contig length (kbp)
750
600
450
300
150
0
0
20
40
60
80
100
x
M0054.spades.step
M0055.spades.step
M0056.spades.step
M0057.spades.step
M0064.spades.step
M0065.spades.step
M0066.spades.step
M0067.spades.step
M0088.spades.step
M0089.spades.step
M0090.spades.step
M0091.spades.step

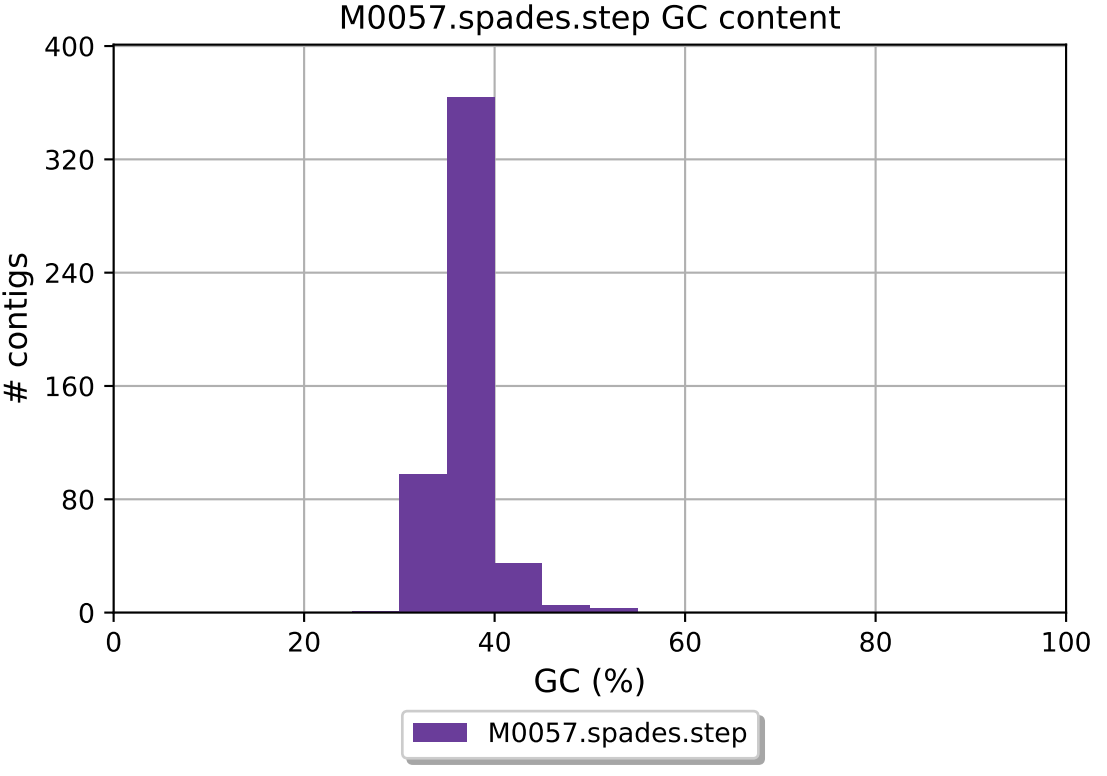

Cumulative length
Cumulative length (kbp)
0
500
1000
1500
2000
0
150
300
450
600
Contig index
M0054.spades.step
M0055.spades.step
M0056.spades.step
M0057.spades.step
M0064.spades.step
M0065.spades.step
M0066.spades.step
M0067.spades.step
M0088.spades.step
M0089.spades.step
M0090.spades.step
M0091.spades.step

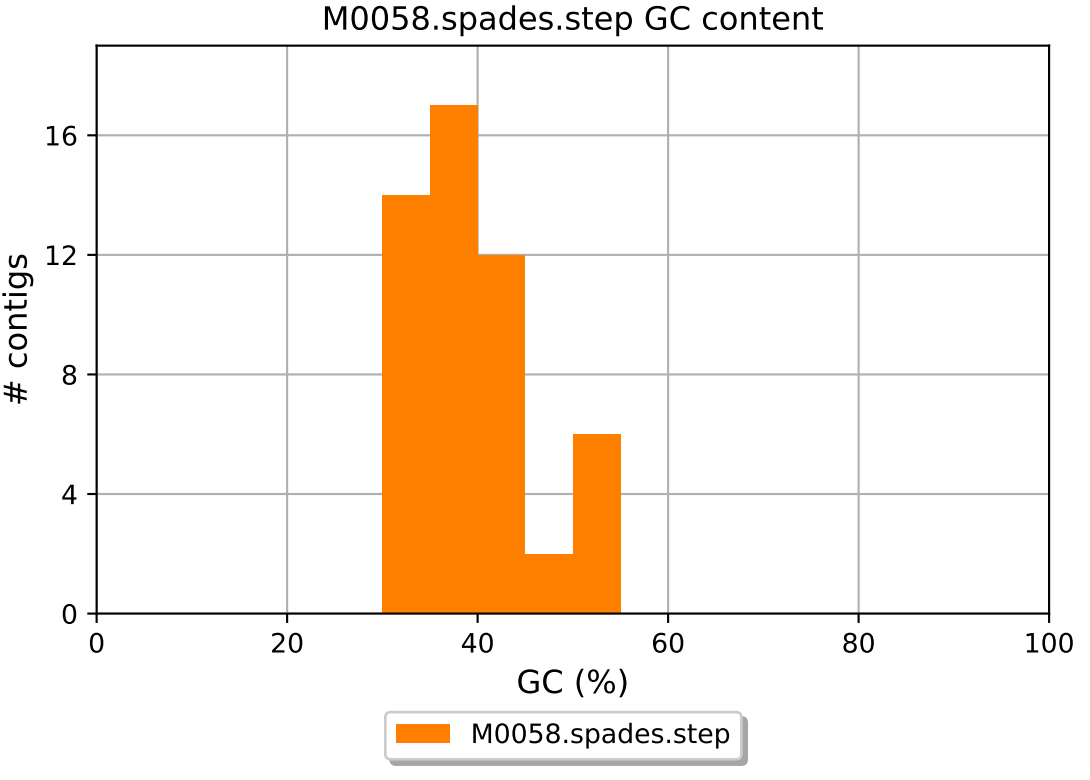

GC content
windows
GC (%)
0
300
600
900
1200
1500
0
20
40
60
80
100
M0054.spades.step
M0055.spades.step
M0056.spades.step
M0057.spades.step
M0064.spades.step
M0065.spades.step
M0066.spades.step
M0067.spades.step
M0088.spades.step
M0089.spades.step
M0090.spades.step
M0091.spades.step

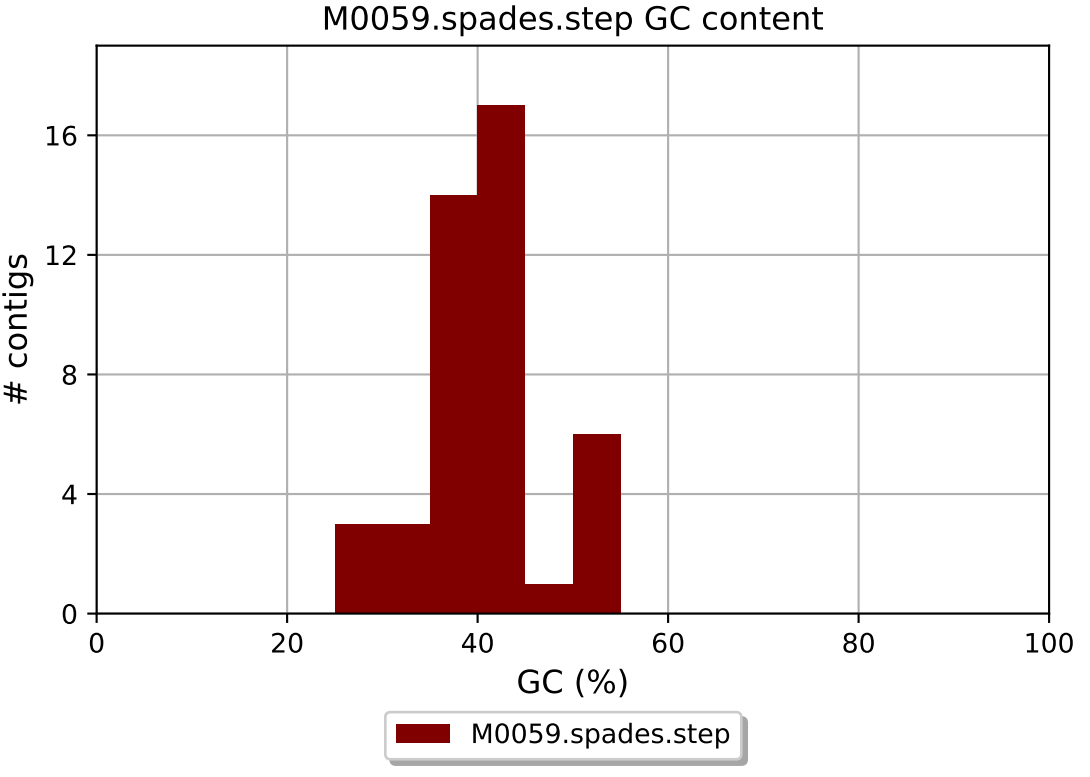

M0054.spades.step GC content
contigs
0
3
6
9
12
15
0
20
40
60
80
100
GC (%)
M0054.spades.step

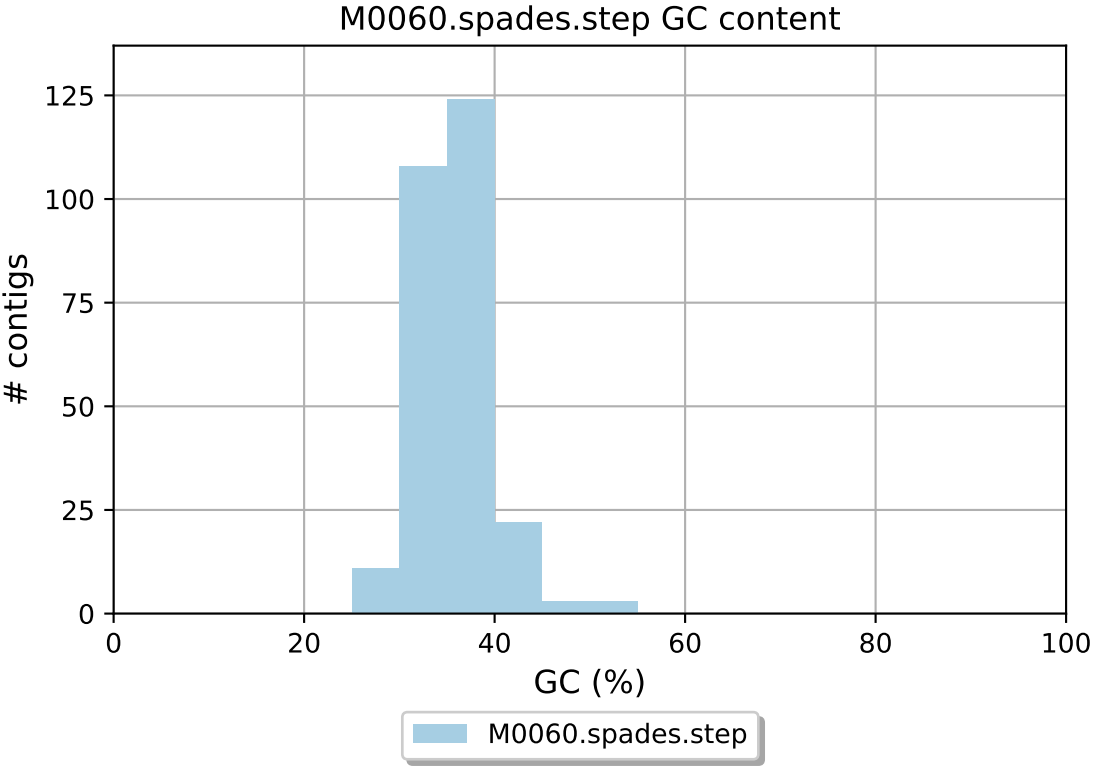

M0055.spades.step GC content
contigs
0
3
6
9
12
15
0
20
40
60
80
100
GC (%)
M0055.spades.step

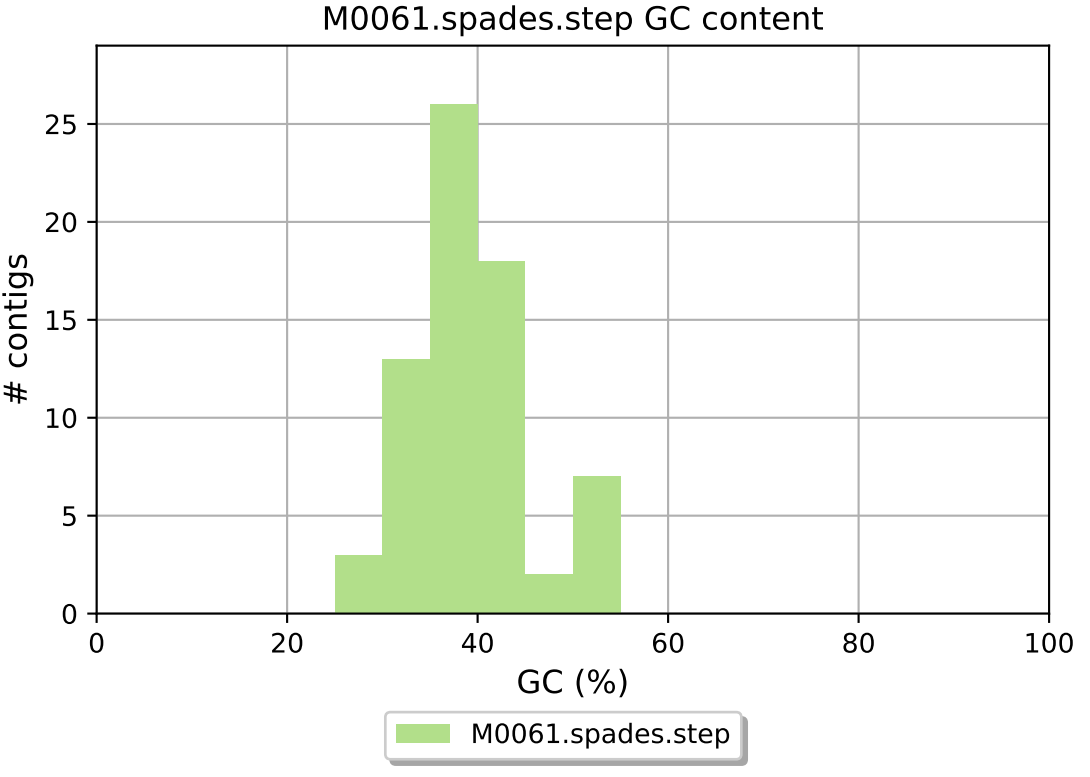

M0056.spades.step GC content
contigs
GC (%)
0
3
6
9
12
15
0
20
40
60
80
100
M0056.spades.step

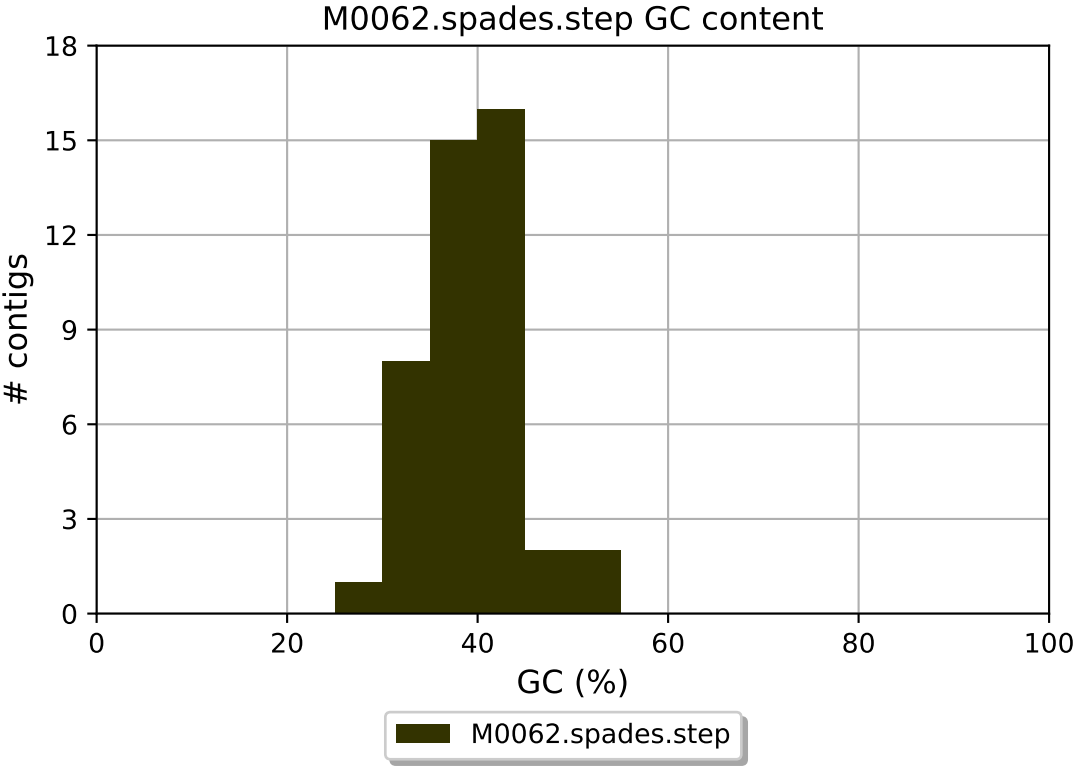

M0057.spades.step GC content
400
320
240
160
80
0
contigs
0
20
40
60
80
100
GC (%)
M0057.spades.step

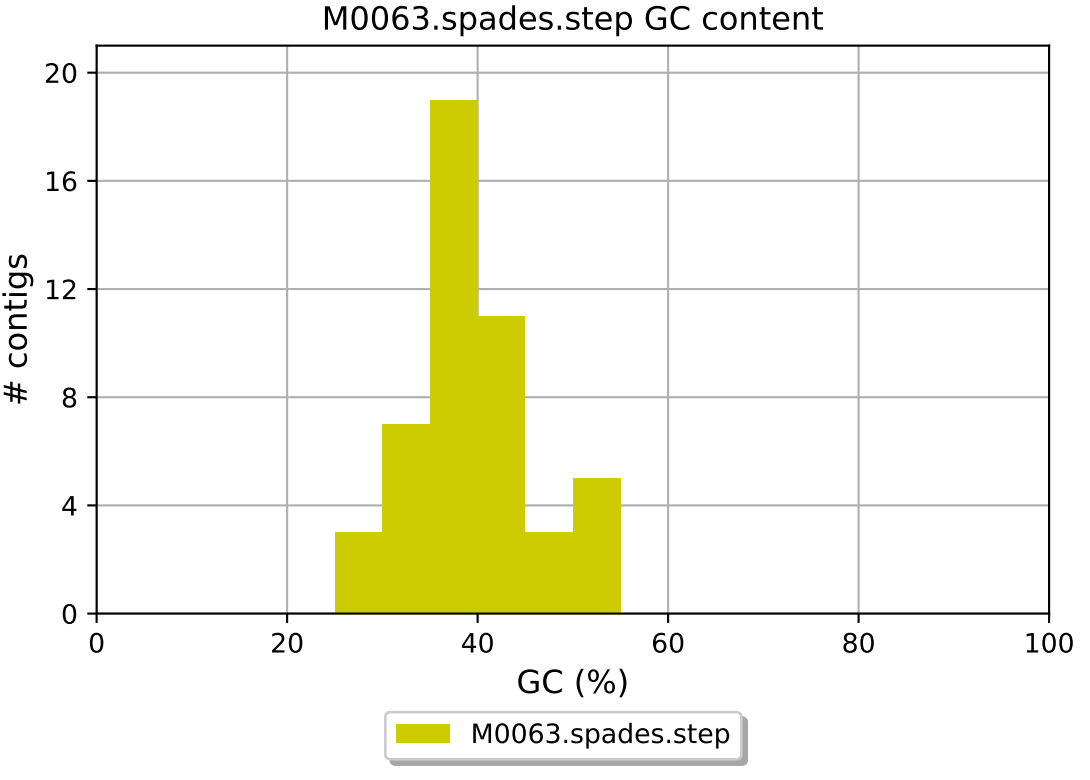

M0058.spades.step GC content
contigs
0
4
8
12
16
0
20
40
60
80
100
GC (%)
M0058.spades.step

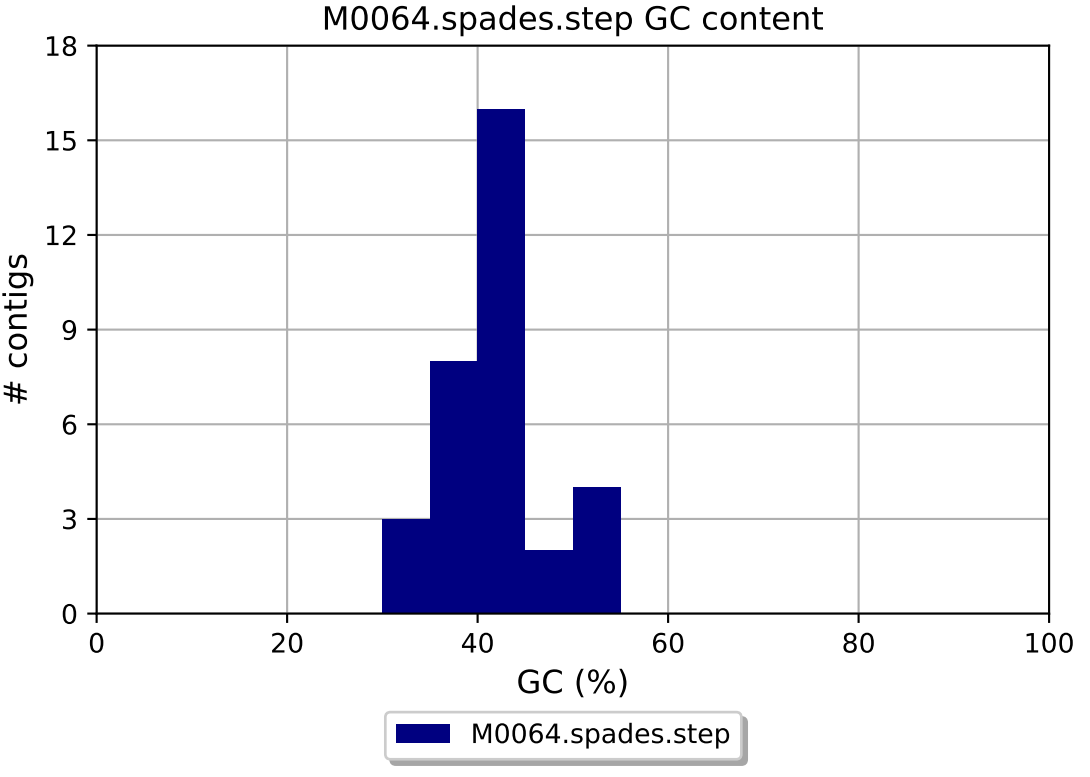

M0059.spades.step GC content
contigs
0
4
8
12
16
0
20
40
60
80
100
GC (%)
M0059.spades.step

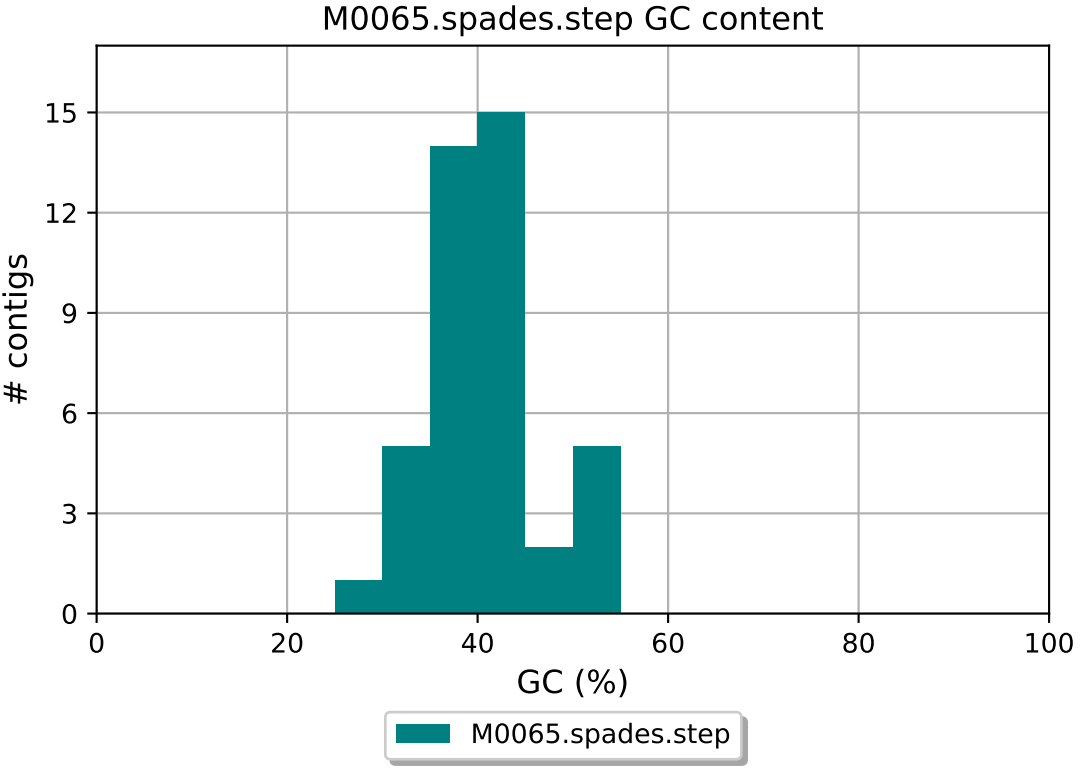

M0060.spades.step GC content
contigs
GC (%)
0
25
50
75
100
125
0
20
40
60
80
100
M0060.spades.step

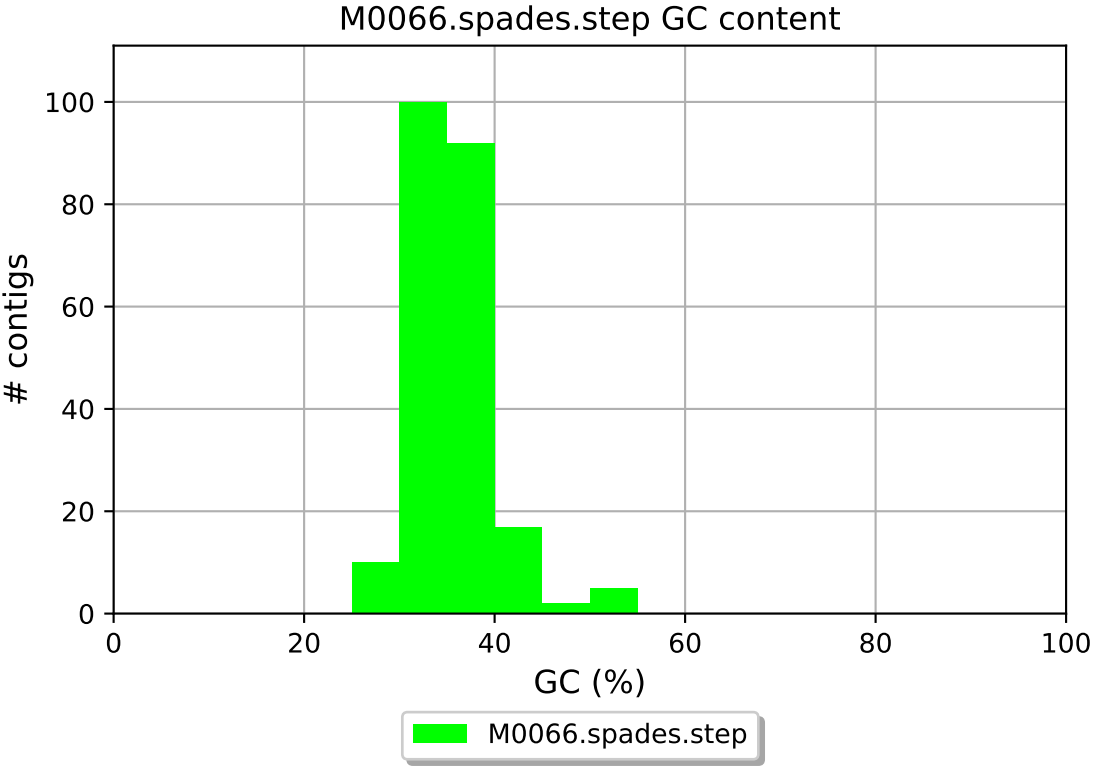

M0061.spades.step GC content
contigs
0
5
10
15
20
25
0
20
40
60
80
100
GC (%)
M0061.spades.step

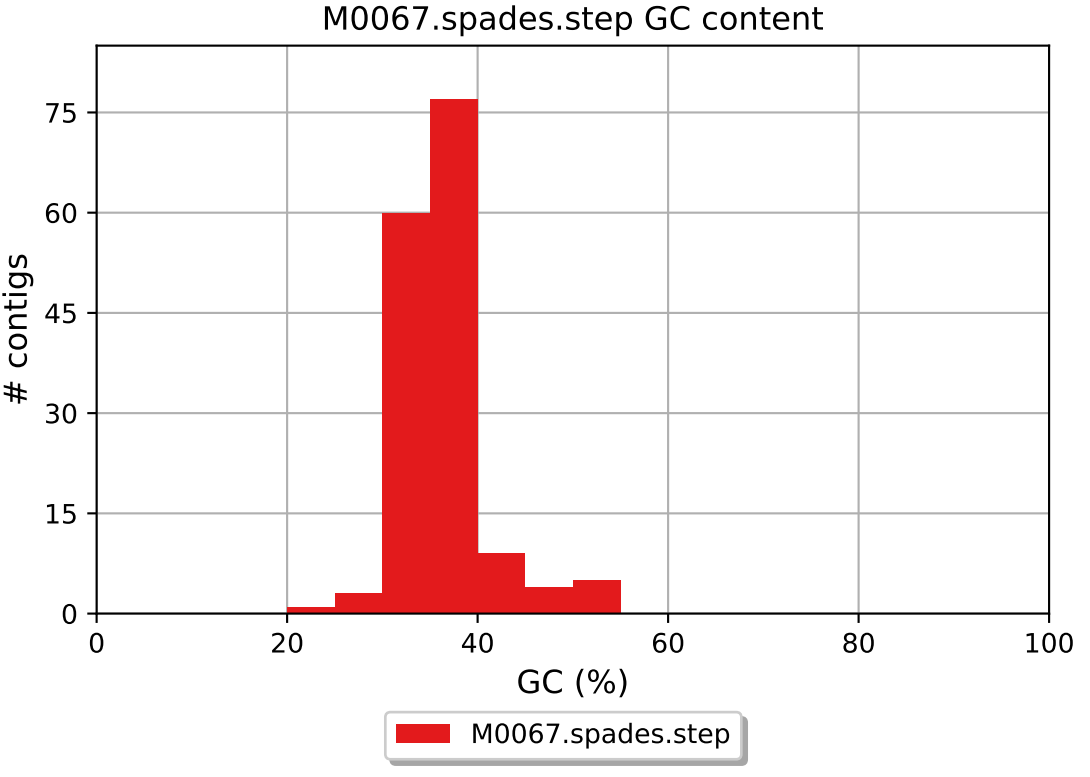

M0062.spades.step GC content
contigs
GC (%)
0
3
6
9
12
15
18
0
20
40
60
80
100
M0062.spades.step

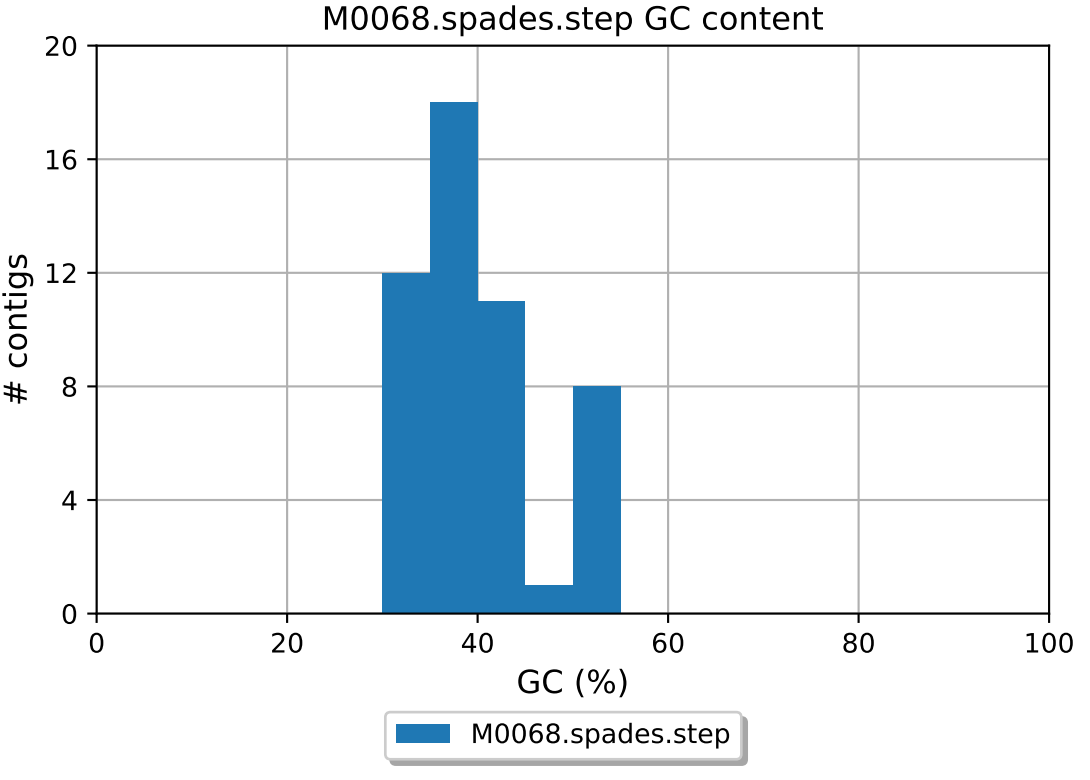

M0063.spades.step GC content
contigs
GC (%)
0
4
8
12
16
20
0
20
40
60
80
100
M0063.spades.step

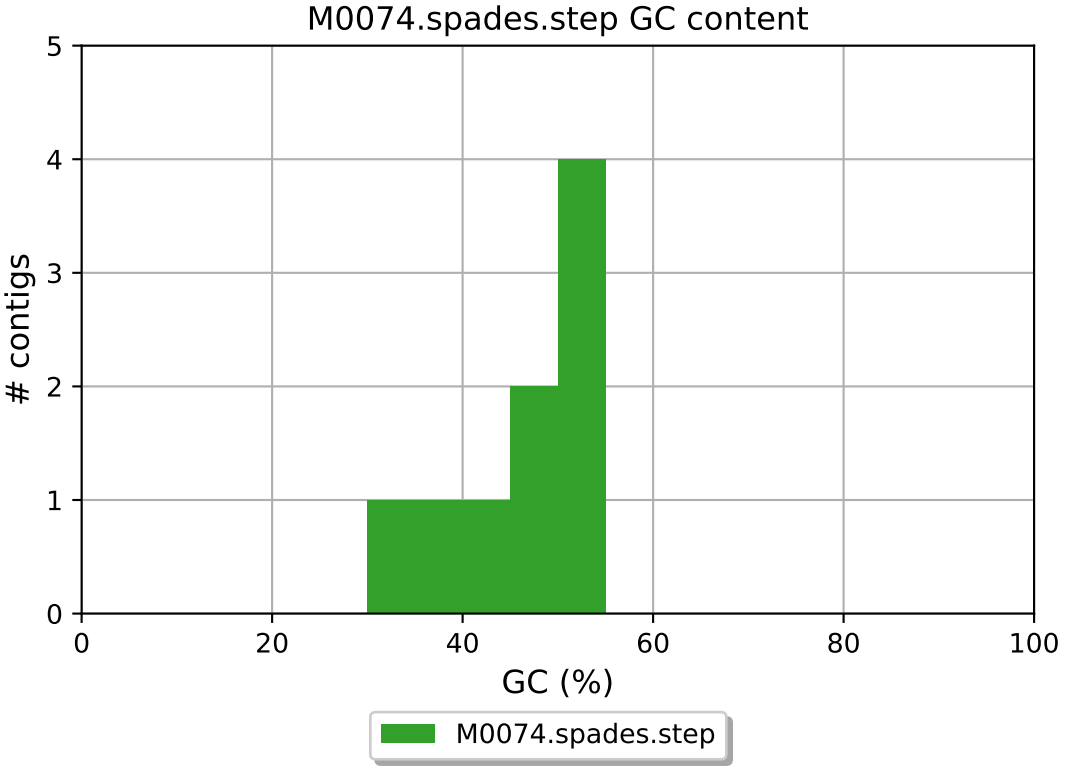

M0064.spades.step GC content
contigs
GC (%)
0
3
6
9
12
15
18
0
20
40
60
80
100
M0064.spades.step

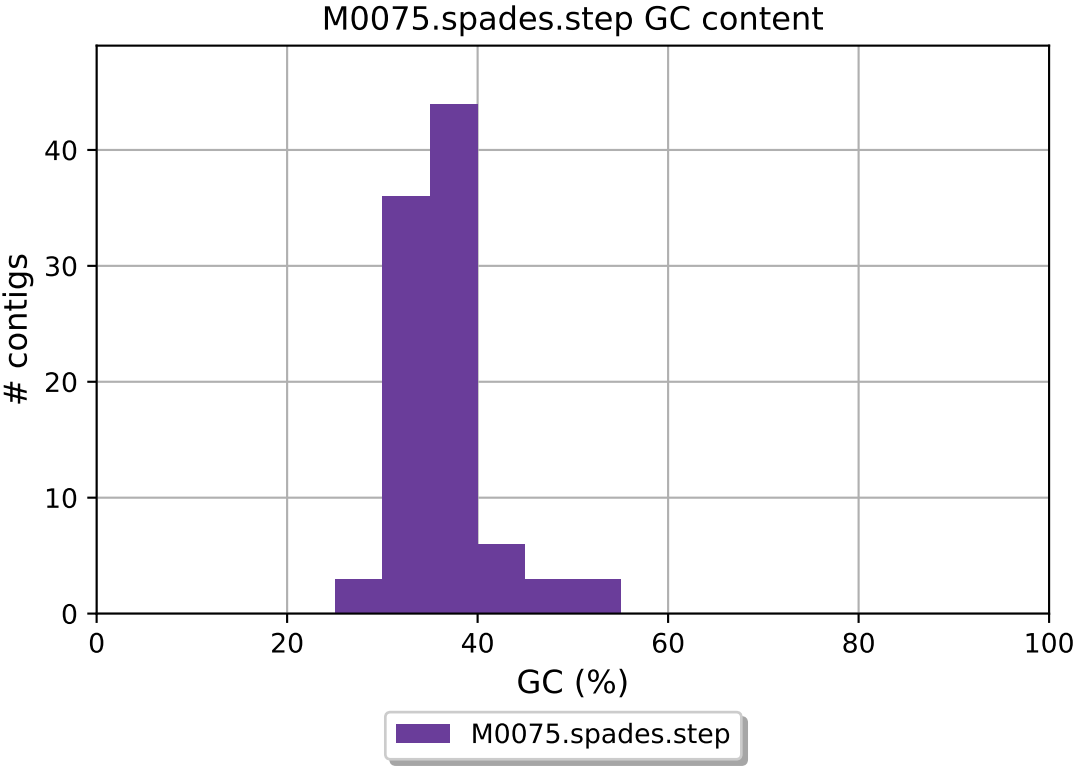

M0065.spades.step GC content
contigs
0
3
6
9
12
15
0
20
40
60
80
100
GC (%)
M0065.spades.step

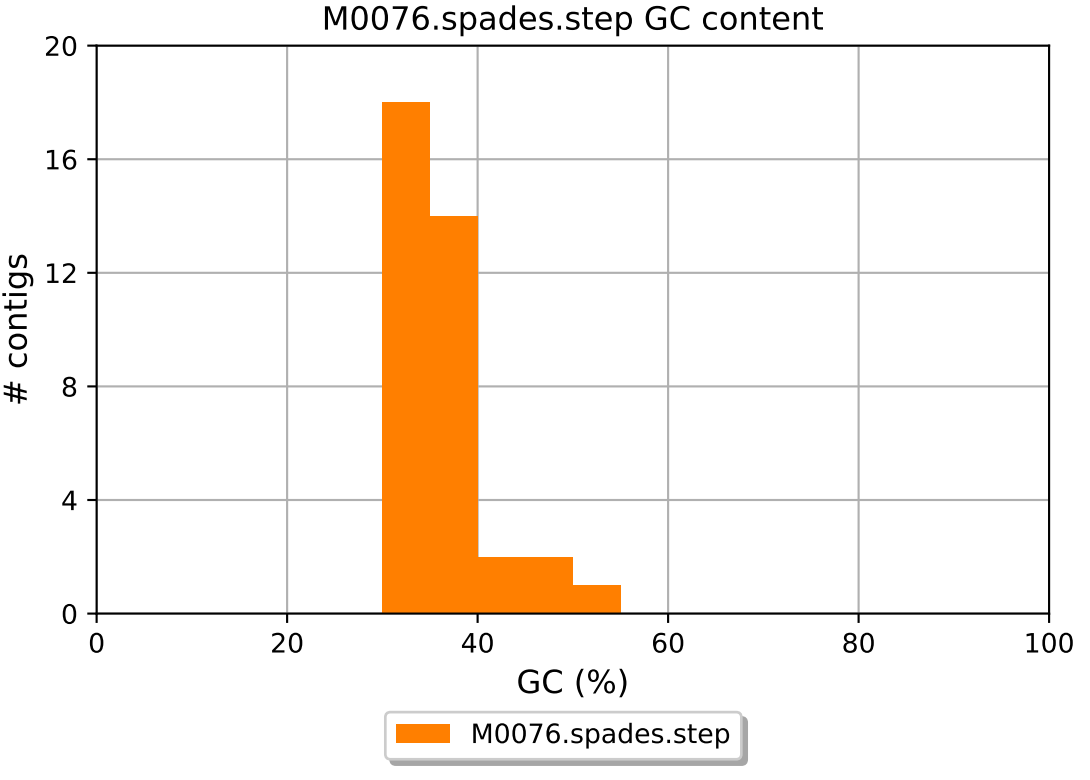

M0066.spades.step GC content
contigs
GC (%)
0
20
40
60
80
100
M0066.spades.step

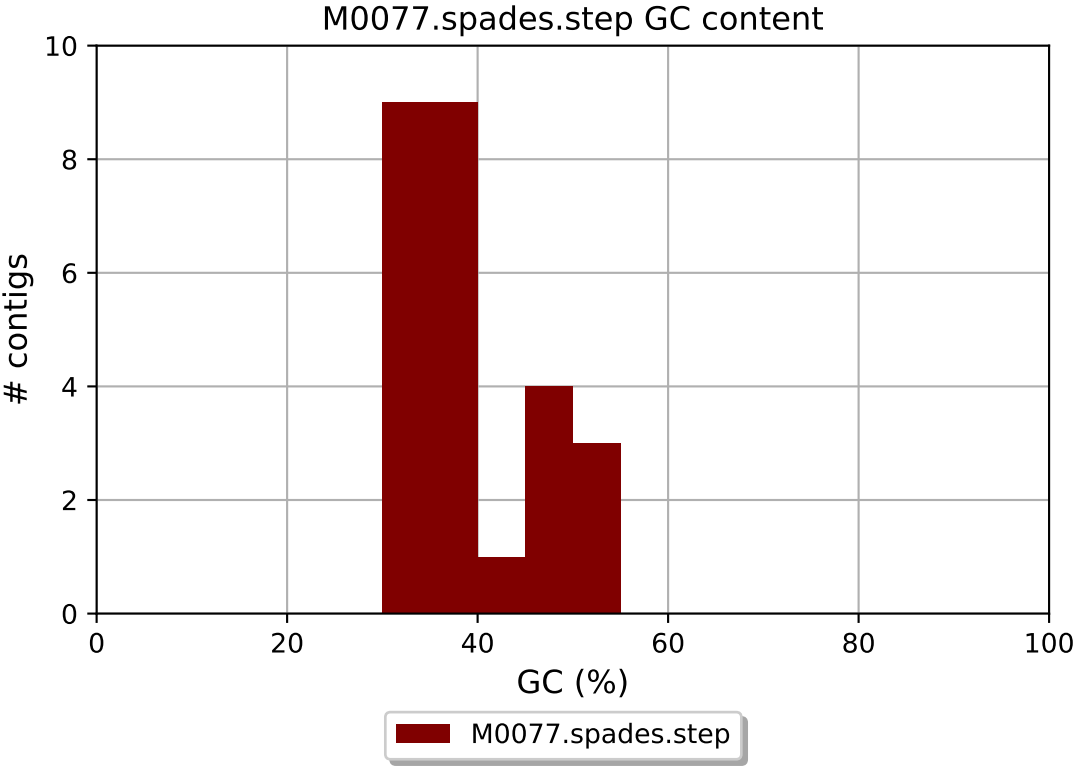

M0067.spades.step GC content
contigs
0
15
30
45
60
75
0
20
40
60
80
100
GC (%)
M0067.spades.step

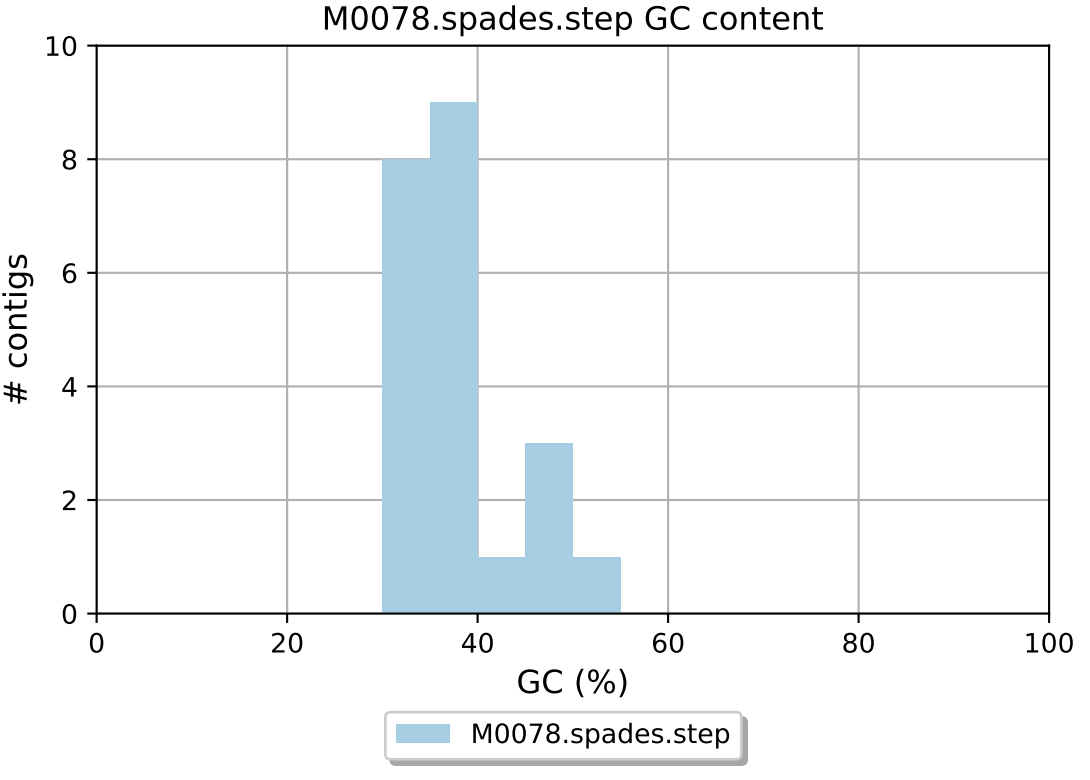

M0068.spades.step GC content
contigs
GC (%)
0
4
8
12
16
20
0
20
40
60
80
100
M0068.spades.step

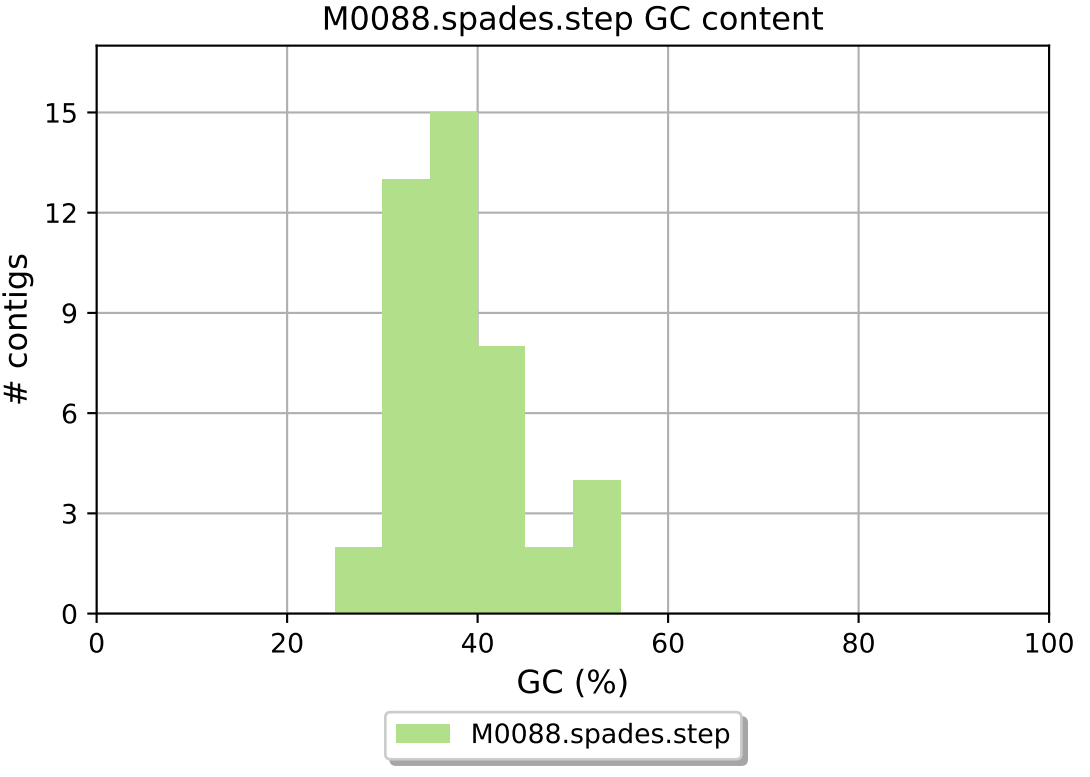

M0074.spades.step GC content
contigs
GC (%)
0
1
2
3
4
5
0
20
40
60
80
100
M0074.spades.step

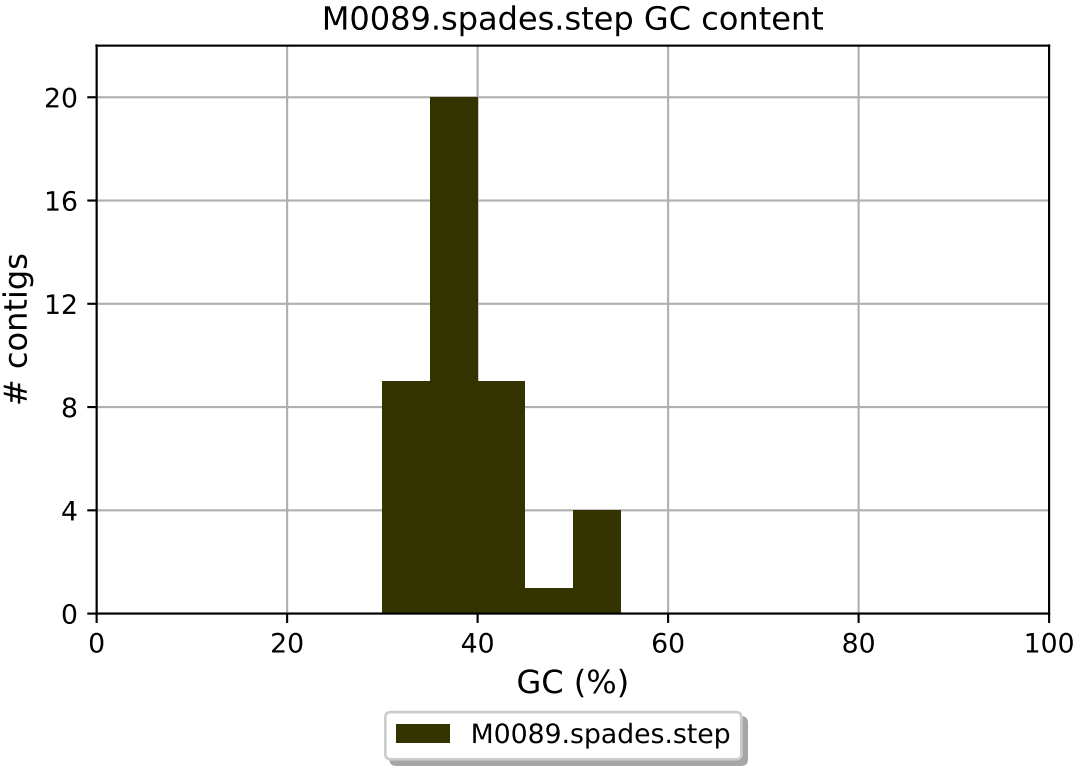

M0075.spades.step GC content
contigs
0
10
20
30
40
0
20
40
60
80
100
GC (%)
M0075.spades.step

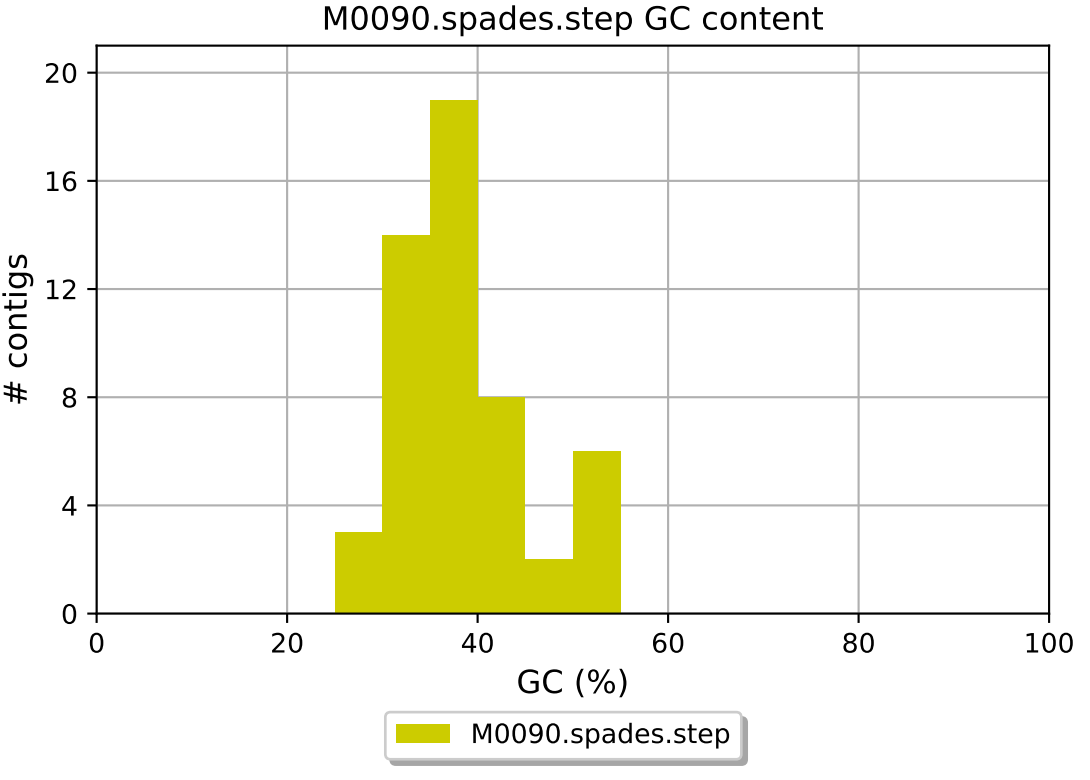

M0076.spades.step GC content
contigs
GC (%)
0
4
8
12
16
20
0
20
40
60
80
100
M0076.spades.step

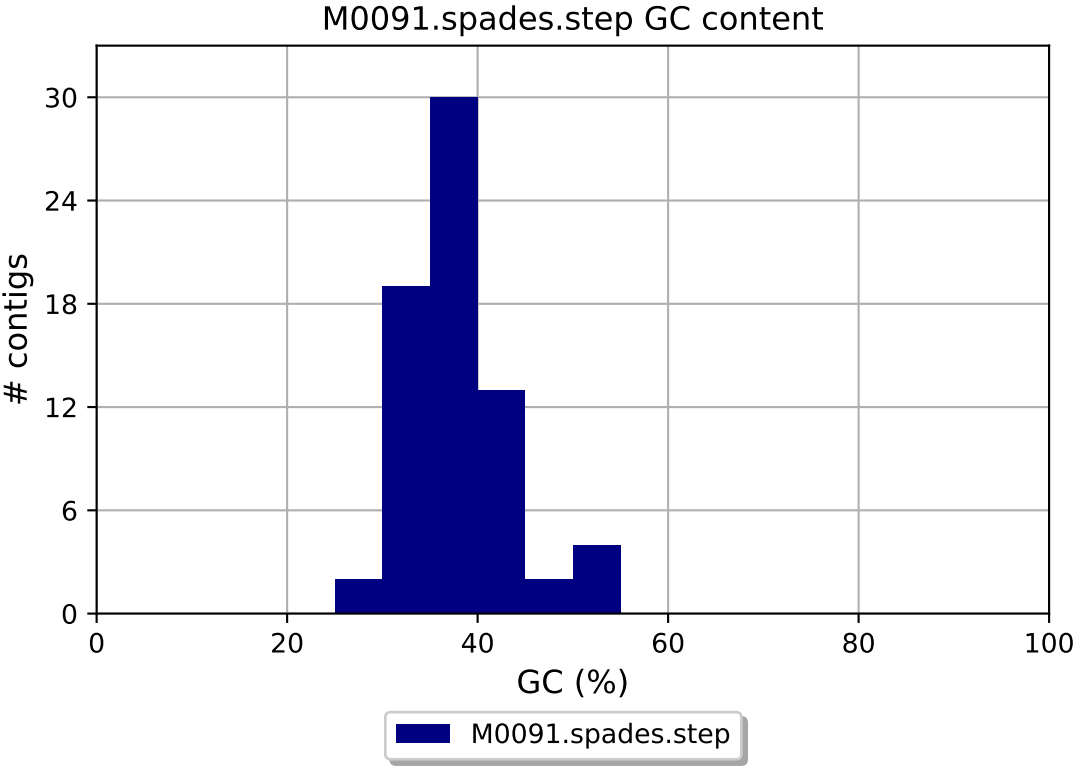

M0077.spades.step GC content
contigs
GC (%)
0
2
4
6
8
10
0
20
40
60
80
100
M0077.spades.step

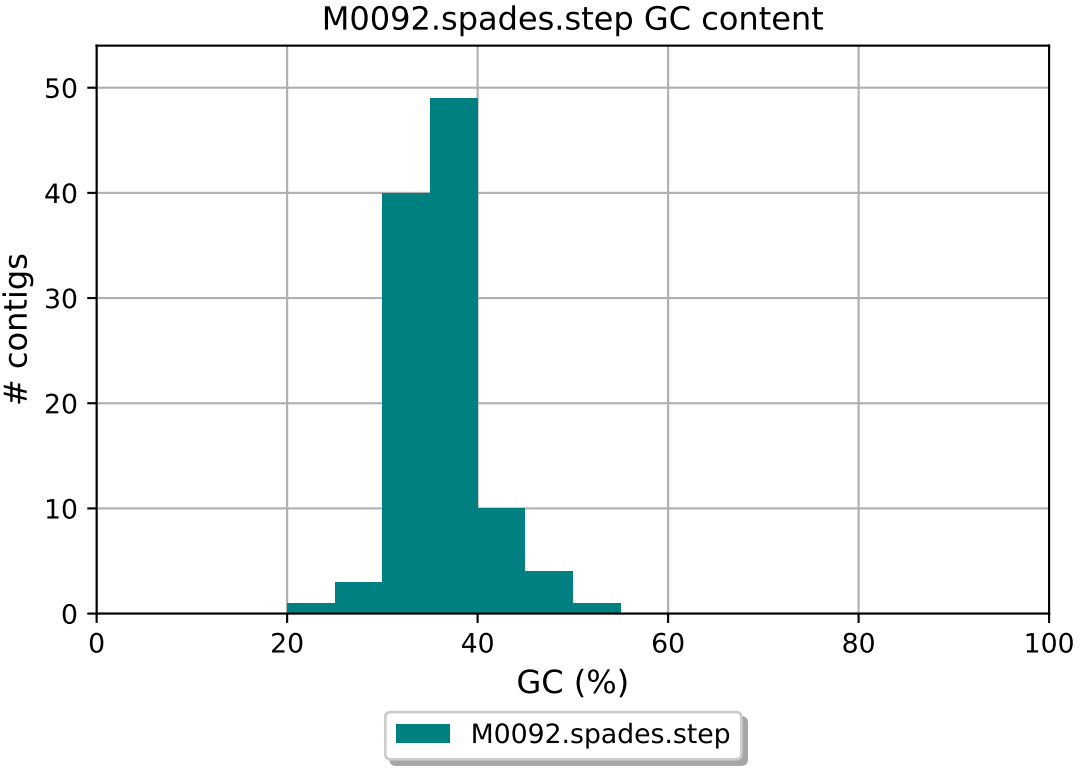

M0078.spades.step GC content
contigs
GC (%)
0
2
4
6
8
10
0
20
40
60
80
100
M0078.spades.step

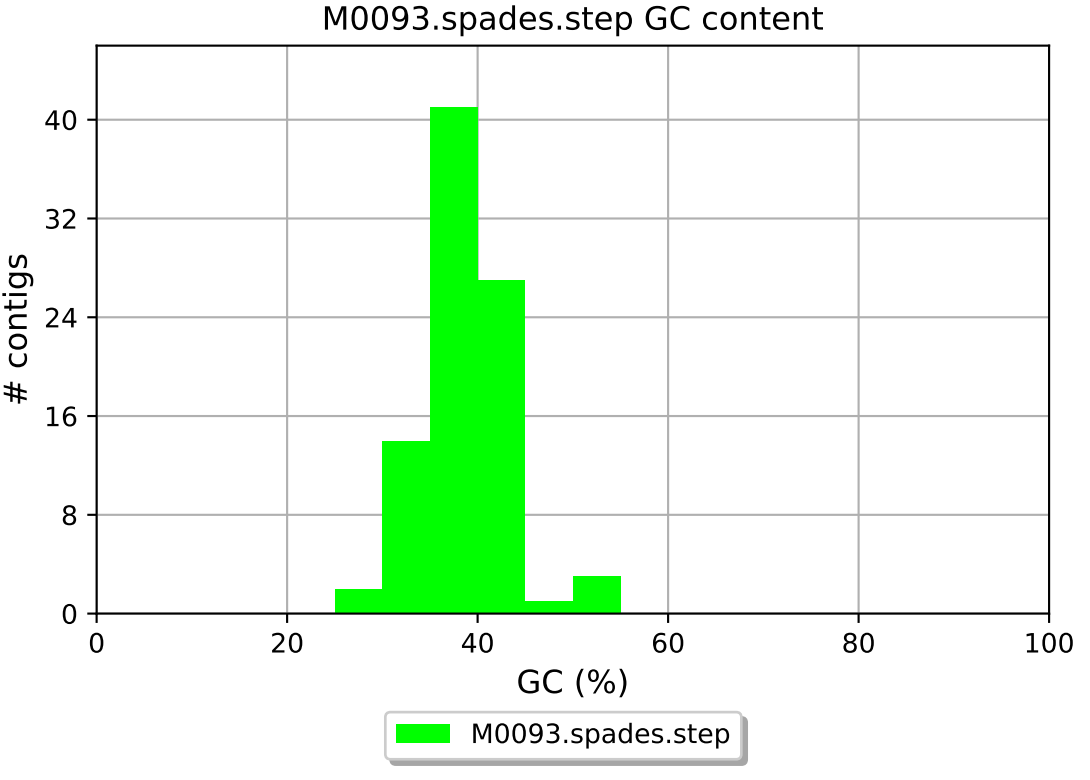

M0088.spades.step GC content
contigs
0
3
6
9
12
15
0
20
40
60
80
100
GC (%)
M0088.spades.step

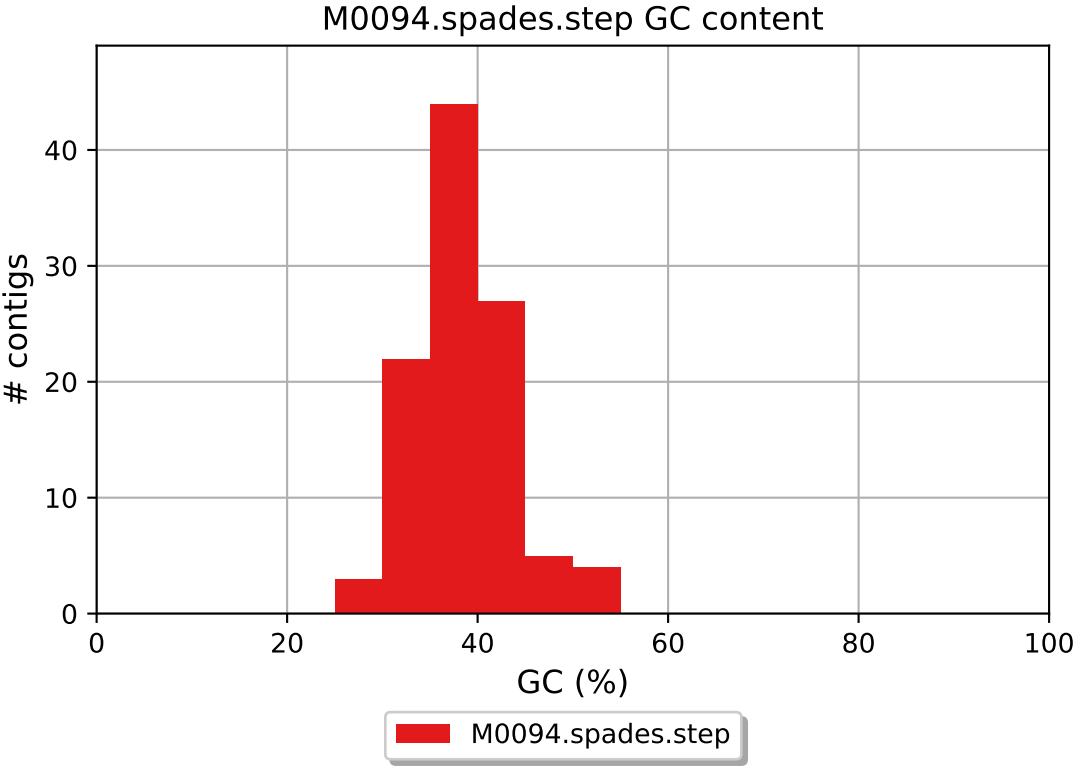

M0089.spades.step GC content
contigs
0
4
8
12
16
20
0
20
40
60
80
100
GC (%)
M0089.spades.step

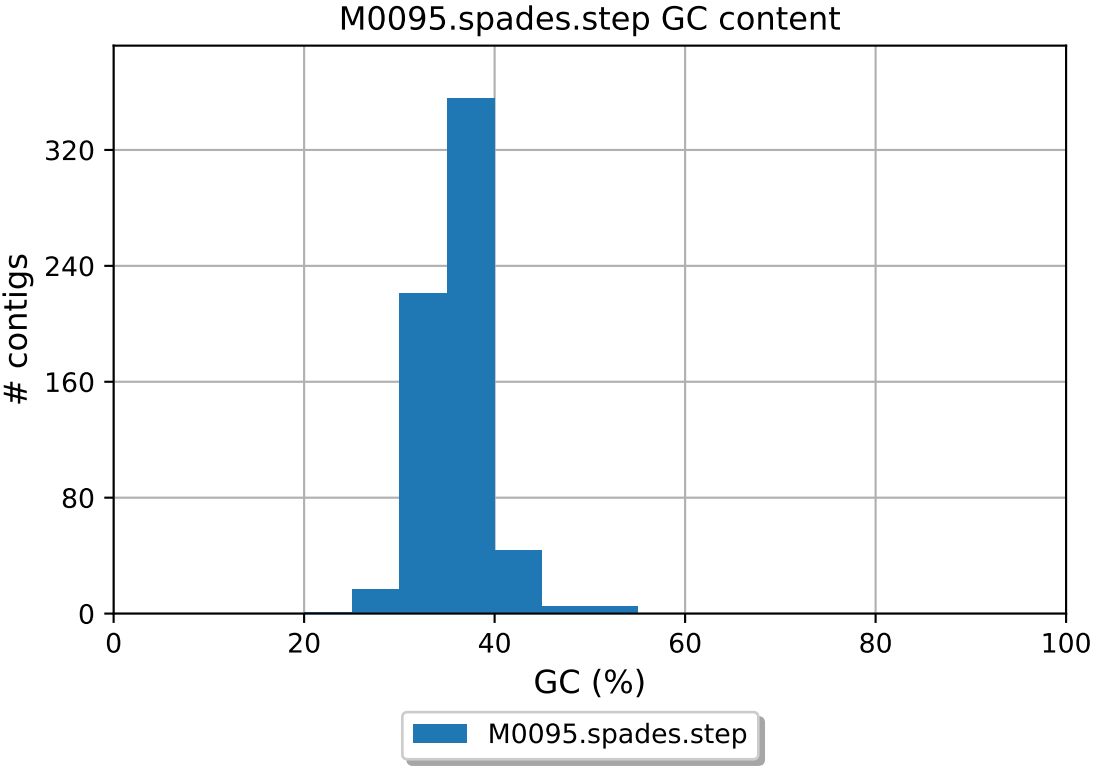

M0090.spades.step GC content
contigs
GC (%)
0
4
8
12
16
20
0
20
40
60
80
100
M0090.spades.step

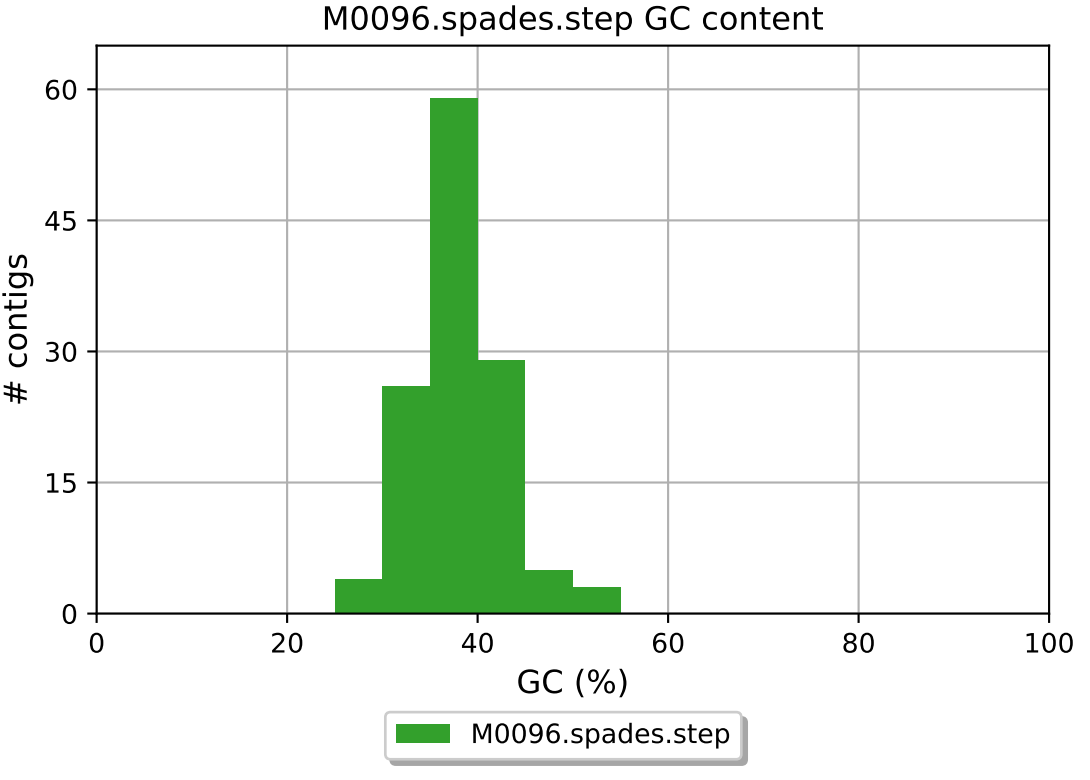

M0091.spades.step GC content
contigs
GC (%)
0
6
12
18
24
30
0
20
40
60
80
100
M0091.spades.step

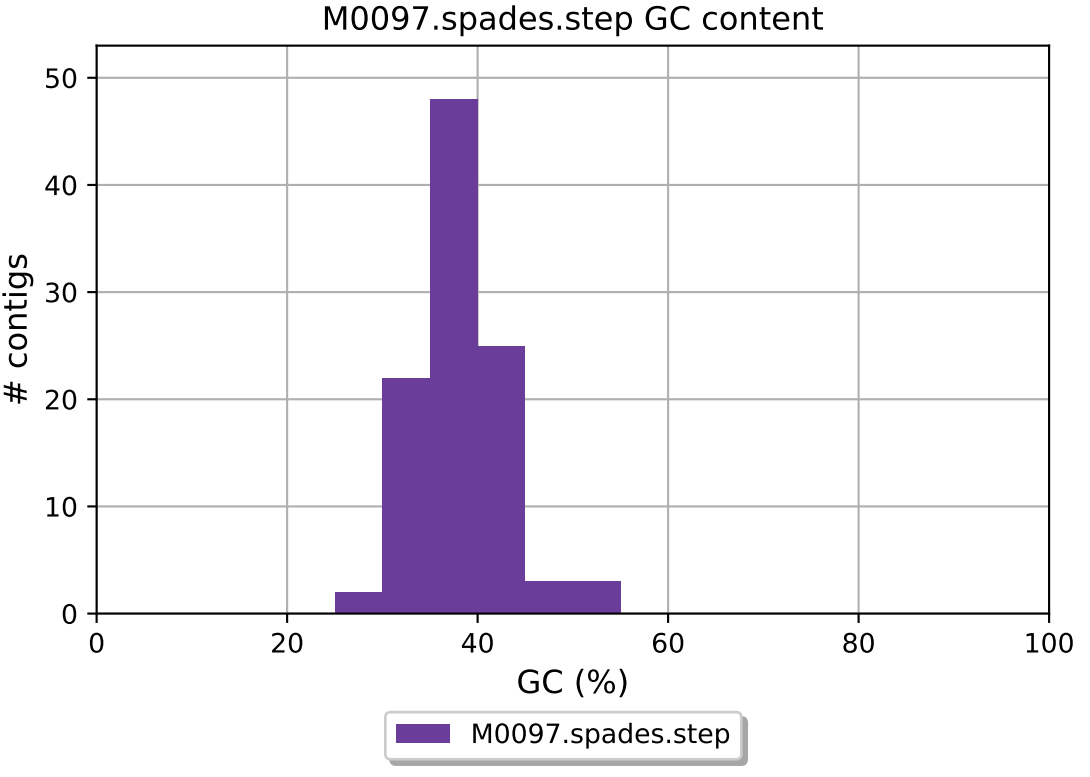

M0092.spades.step GC content
contigs
GC (%)
0
10
20
30
40
50
0
20
40
60
80
100
M0092.spades.step

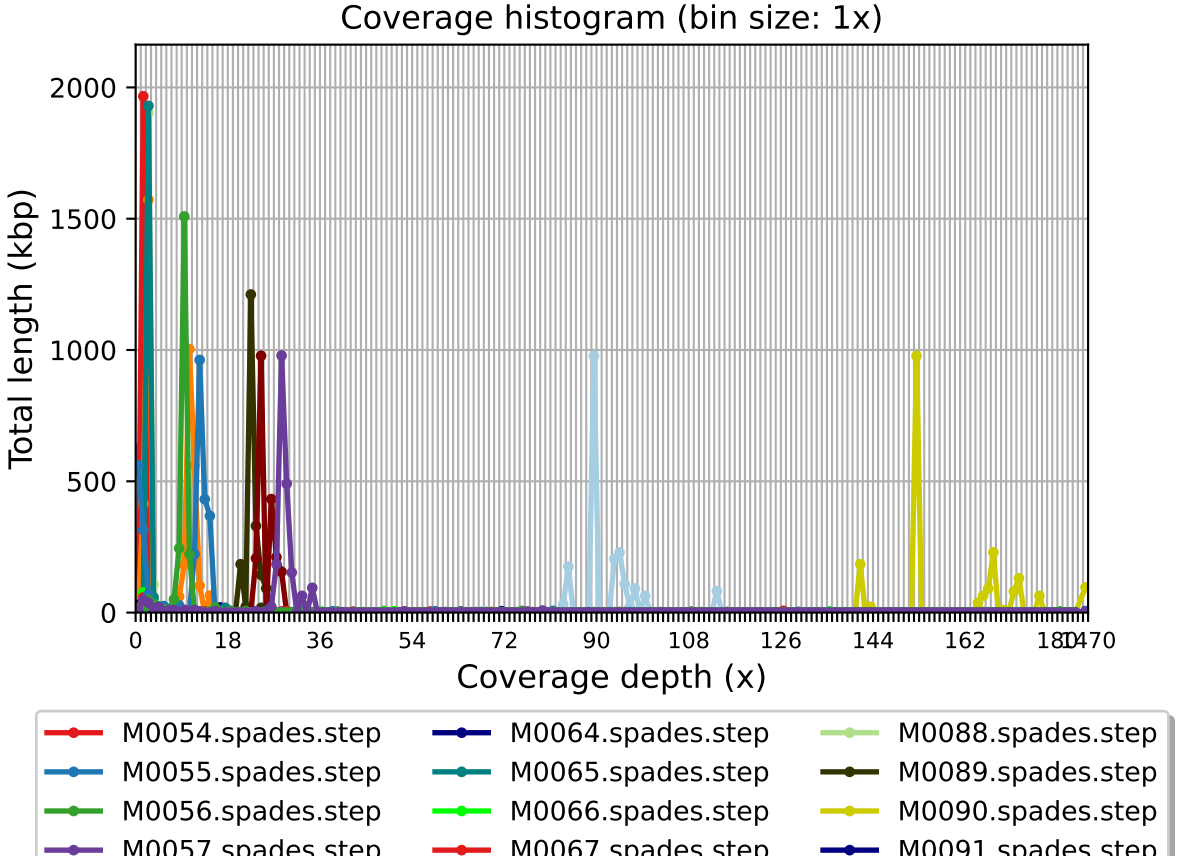

M0093.spades.step GC content
contigs
GC (%)
0
8
16
24
32
40
0
20
40
60
80
100
M0093.spades.step

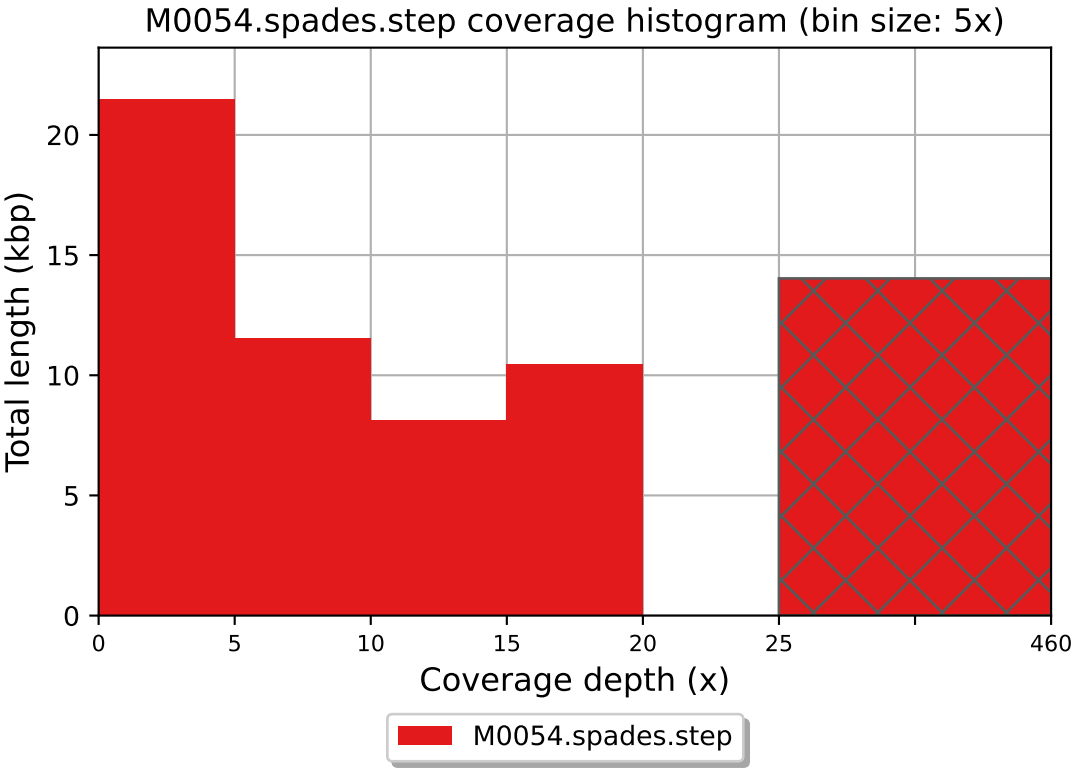

M0094.spades.step GC content
contigs
0
10
20
30
40
0
20
40
60
80
100
GC (%)
M0094.spades.step

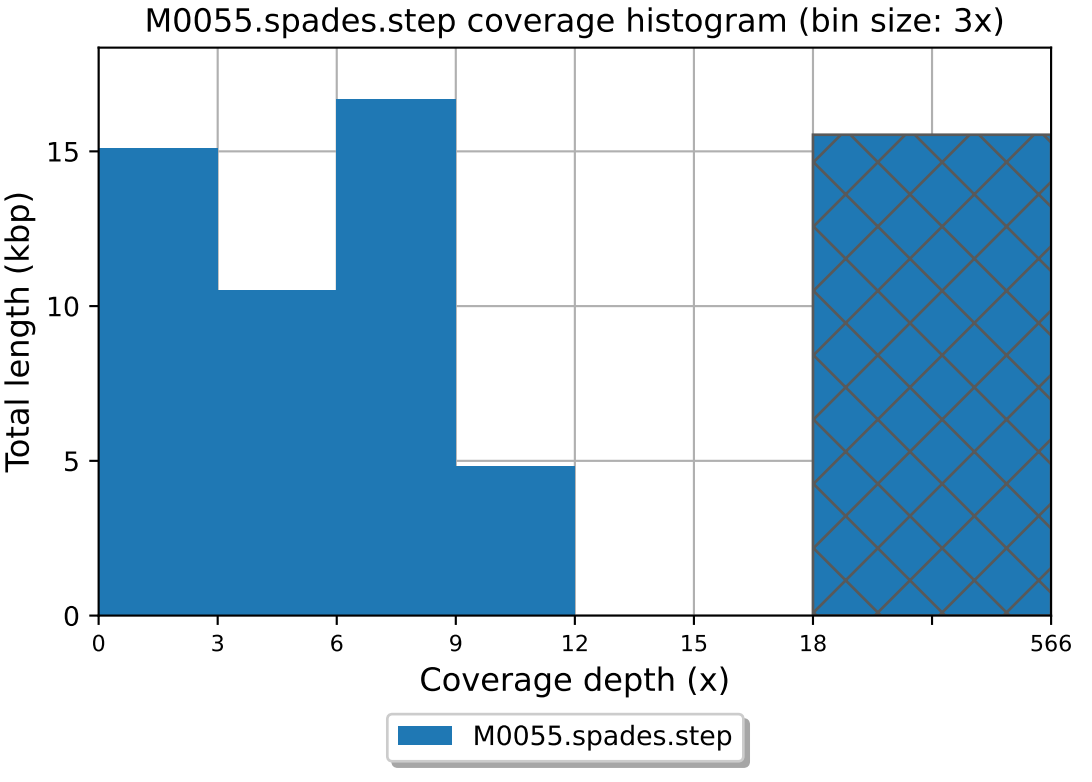

M0095.spades.step GC content
contigs
0
80
160
240
320
0
20
40
60
80
100
GC (%)
M0095.spades.step

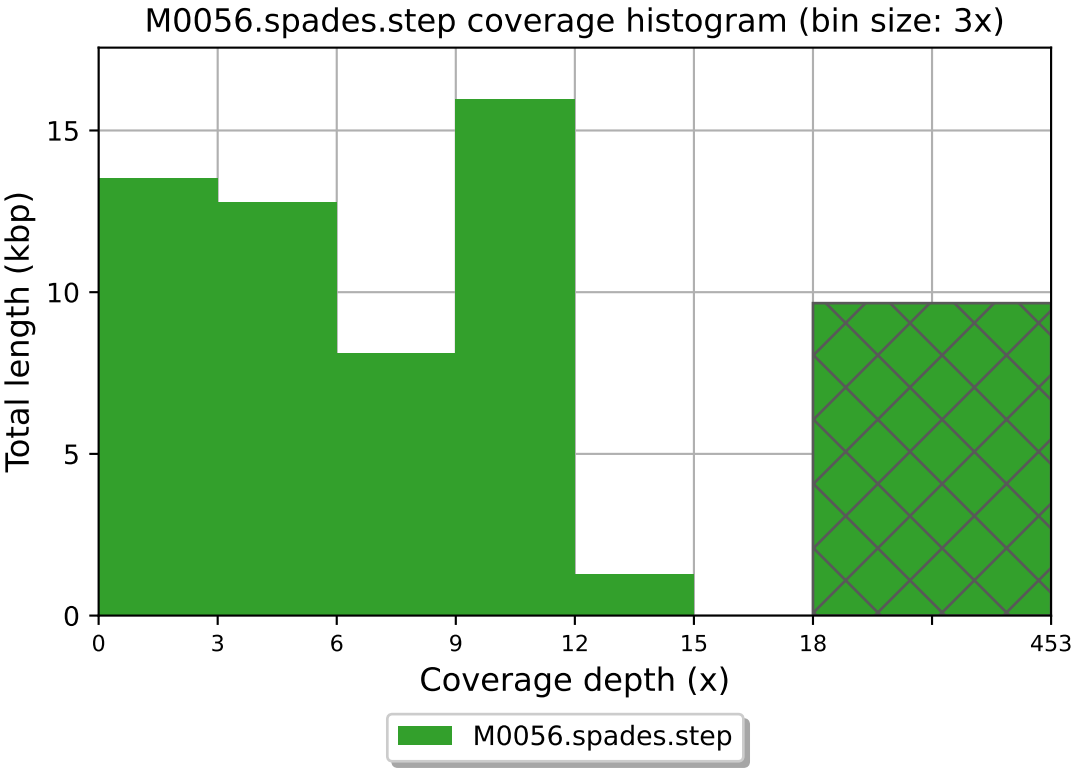

M0096.spades.step GC content
contigs
GC (%)
0
15
30
45
60
0
20
40
60
80
100
M0096.spades.step

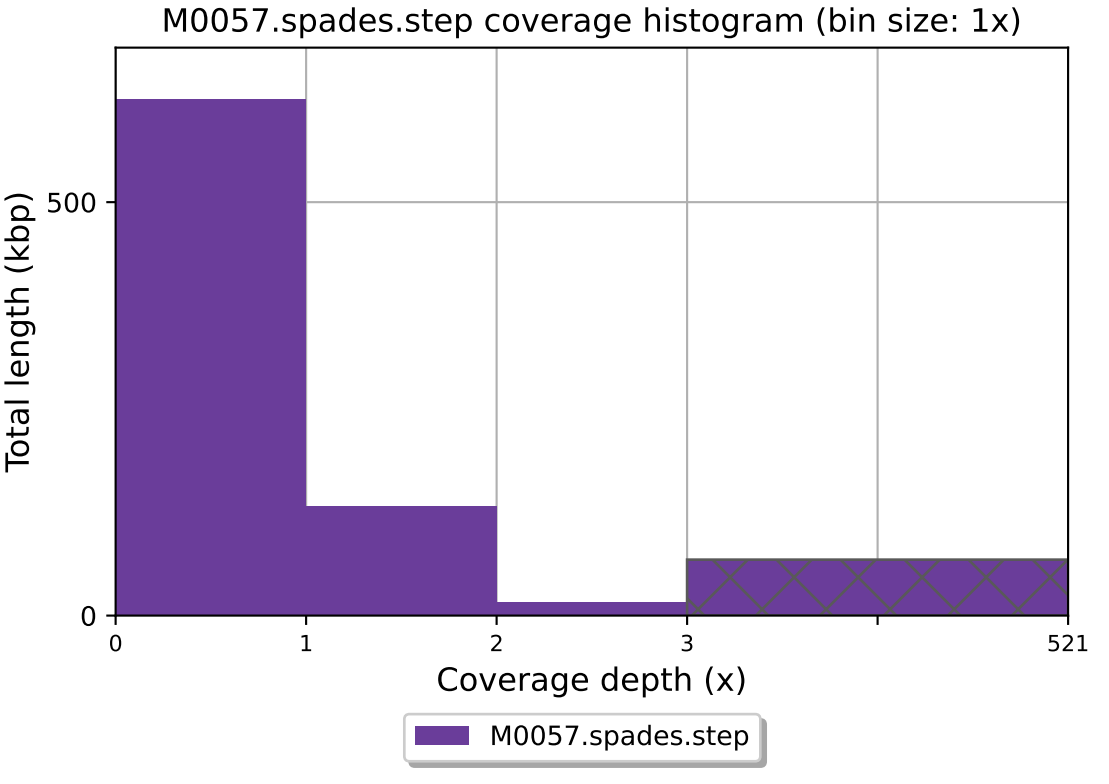

M0097.spades.step GC content
contigs
GC (%)
0
10
20
30
40
50
0
20
40
60
80
100
M0097.spades.step

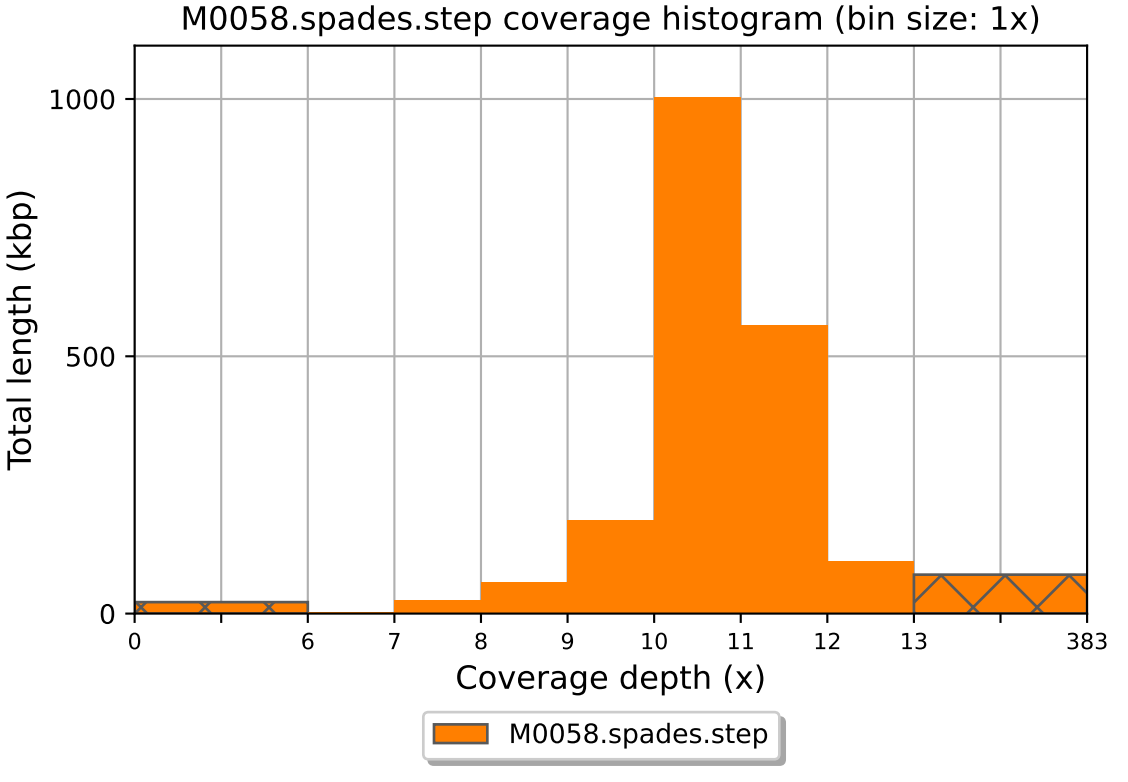

Coverage histogram (bin size: 1x)
Total length (kbp)
2000
1500
1000
500
0
0
18
36
54
72
90
108
126
144
162
180
470
Coverage depth (x)
M0054.spades.step
M0055.spades.step
M0056.spades.step
M0057.spades.step
M0064.spades.step
M0065.spades.step
M0066.spades.step
M0067.spades.step
M0088.spades.step
M0089.spades.step
M0090.spades.step
M0091.spades.step

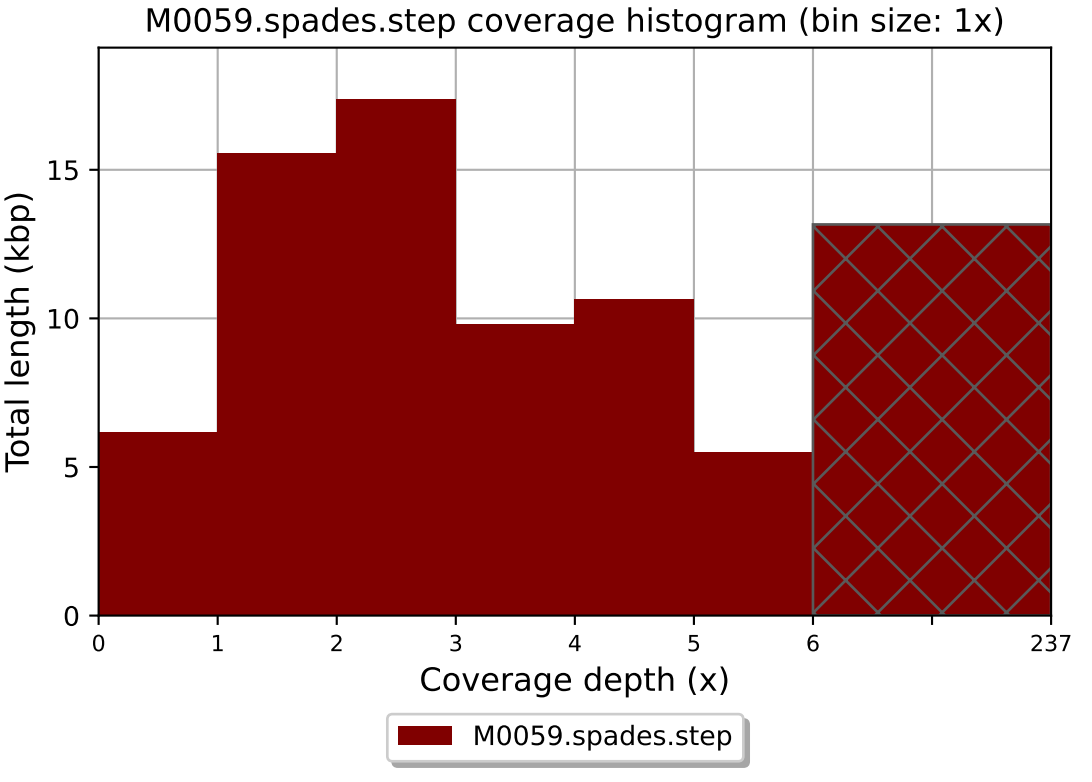

M0054.spades.step coverage histogram (bin size: 5x)
Total length (kbp)
0
5
10
15
20
0
5
10
15
20
25
460
Coverage depth (x)
M0054.spades.step

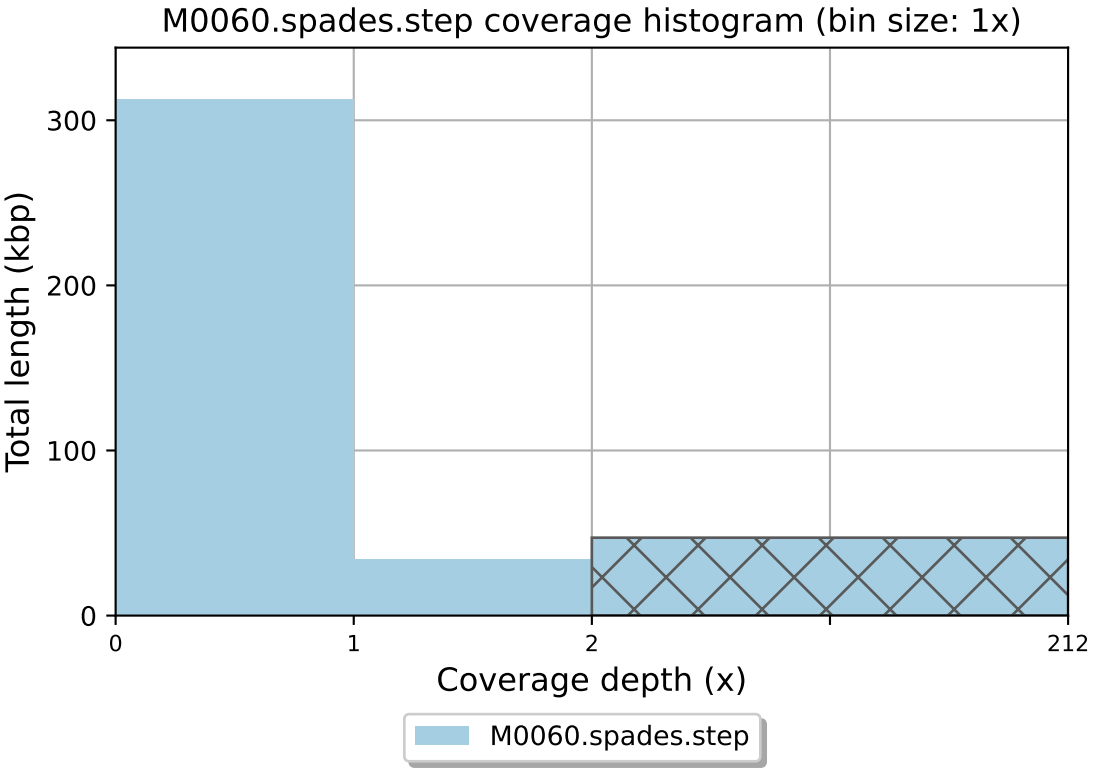

M0055.spades.step coverage histogram (bin size: 3x)
Total length (kbp)
0
5
10
15
0
3
6
9
12
15
18
566
Coverage depth (x)
M0055.spades.step

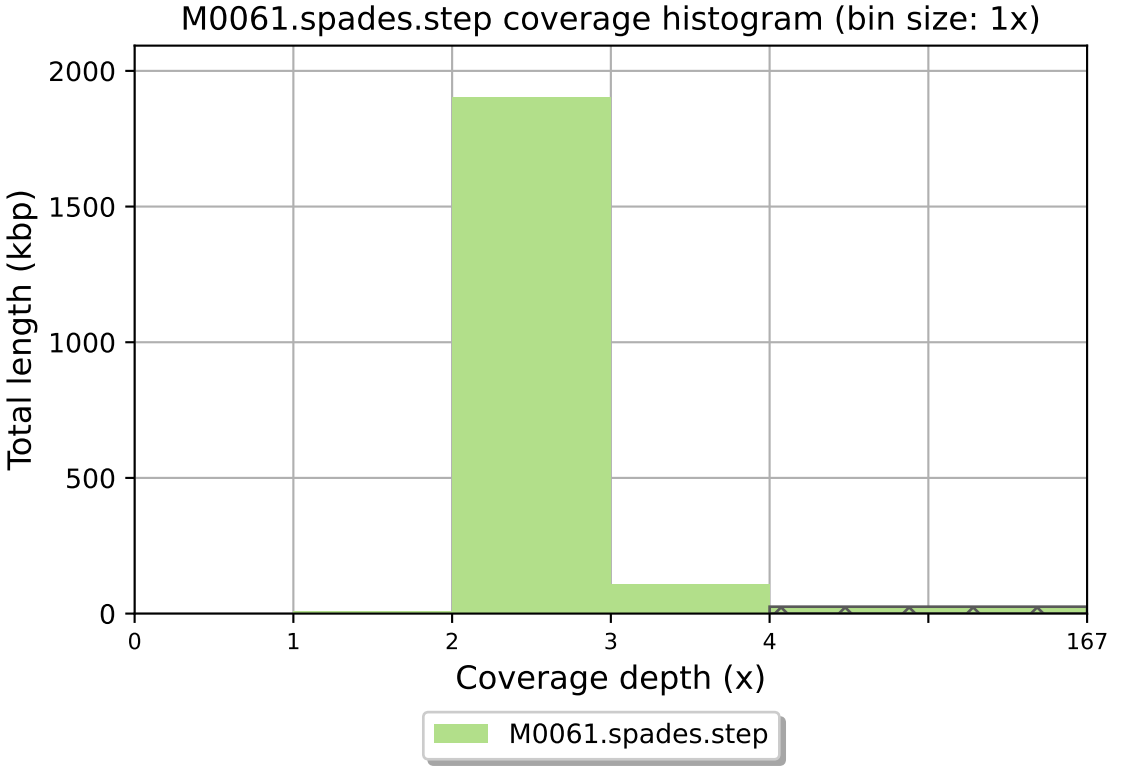

M0056.spades.step coverage histogram (bin size: 3x)
Total length (kbp)
0
5
10
15
0
3
6
9
12
15
18
453
Coverage depth (x)
M0056.spades.step

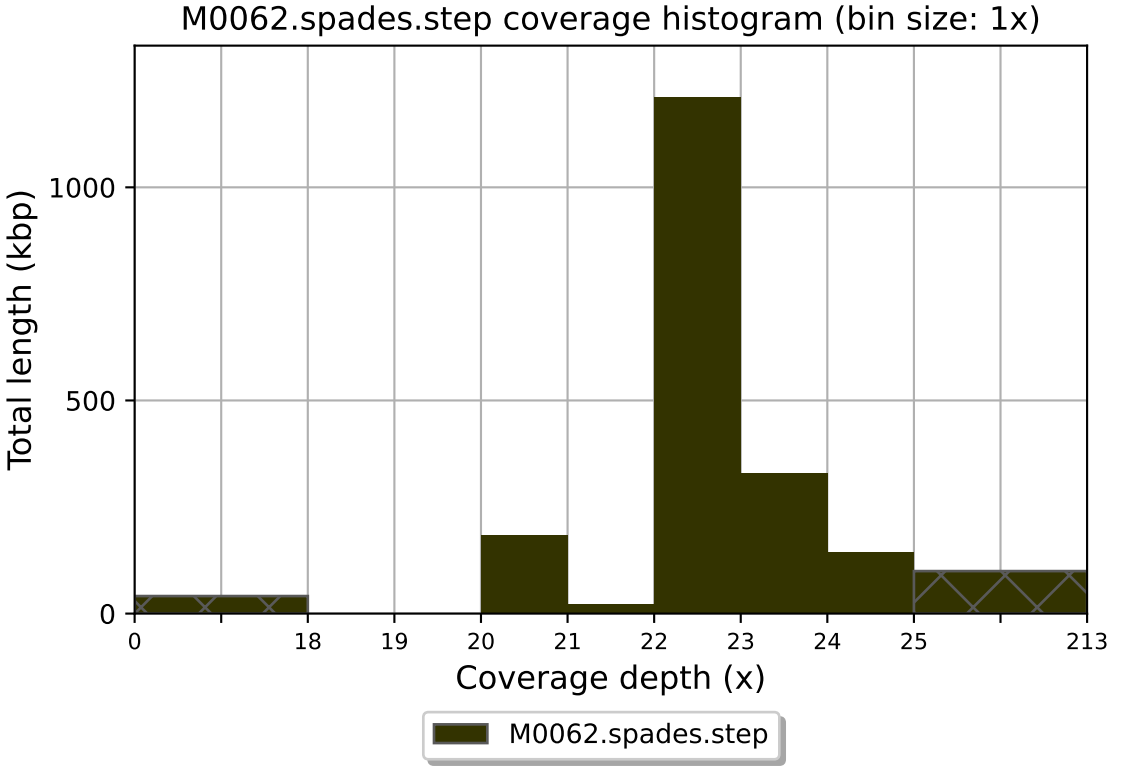

M0057.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
500
0
0
1
2
3
521
Coverage depth (x)
M0057.spades.step

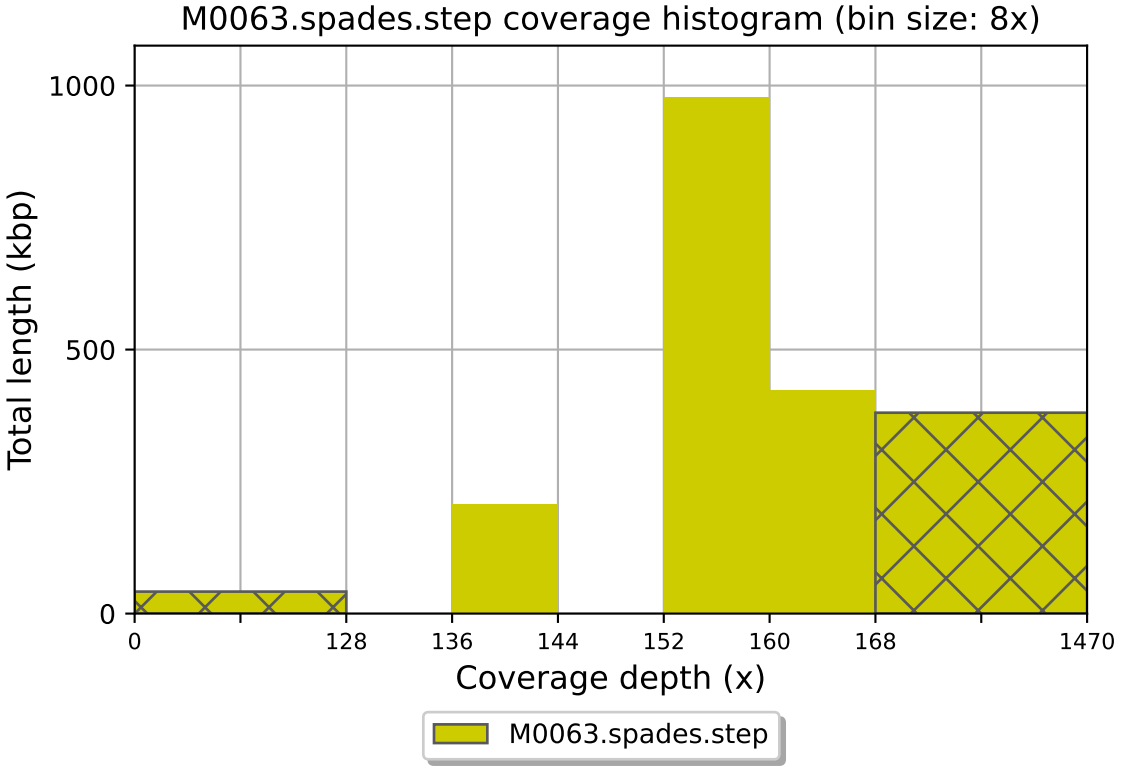

M0058.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
1000
500
0
0
6
7
8
9
10
11
12
13
383
Coverage depth (x)
M0058.spades.step

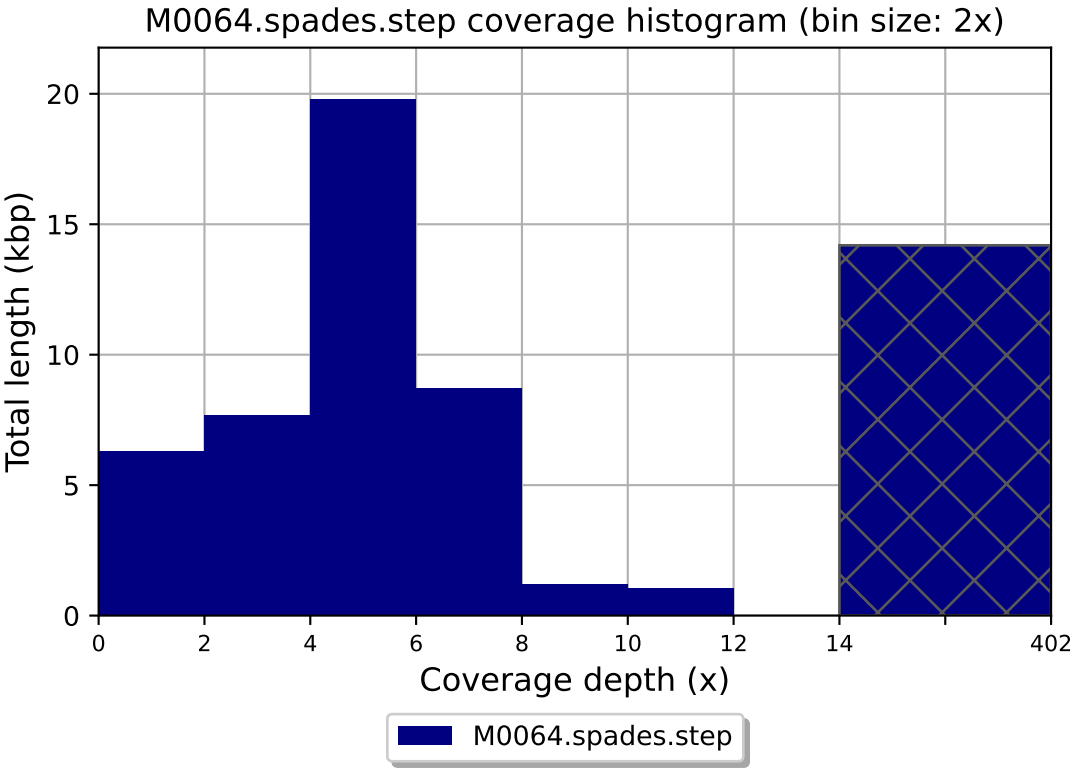

M0059.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
0
5
10
15
0
1
2
3
4
5
6
237
Coverage depth (x)
M0059.spades.step

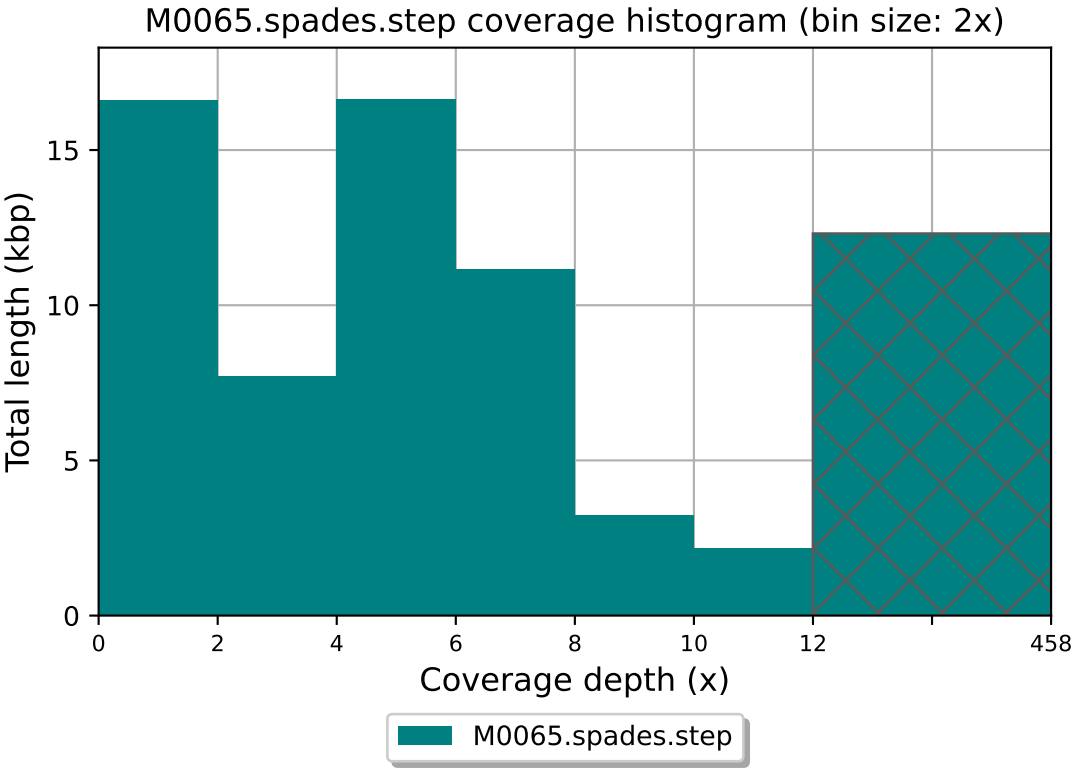

M0060.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
300
200
100
0
0
1
2
212
Coverage depth (x)
M0060.spades.step

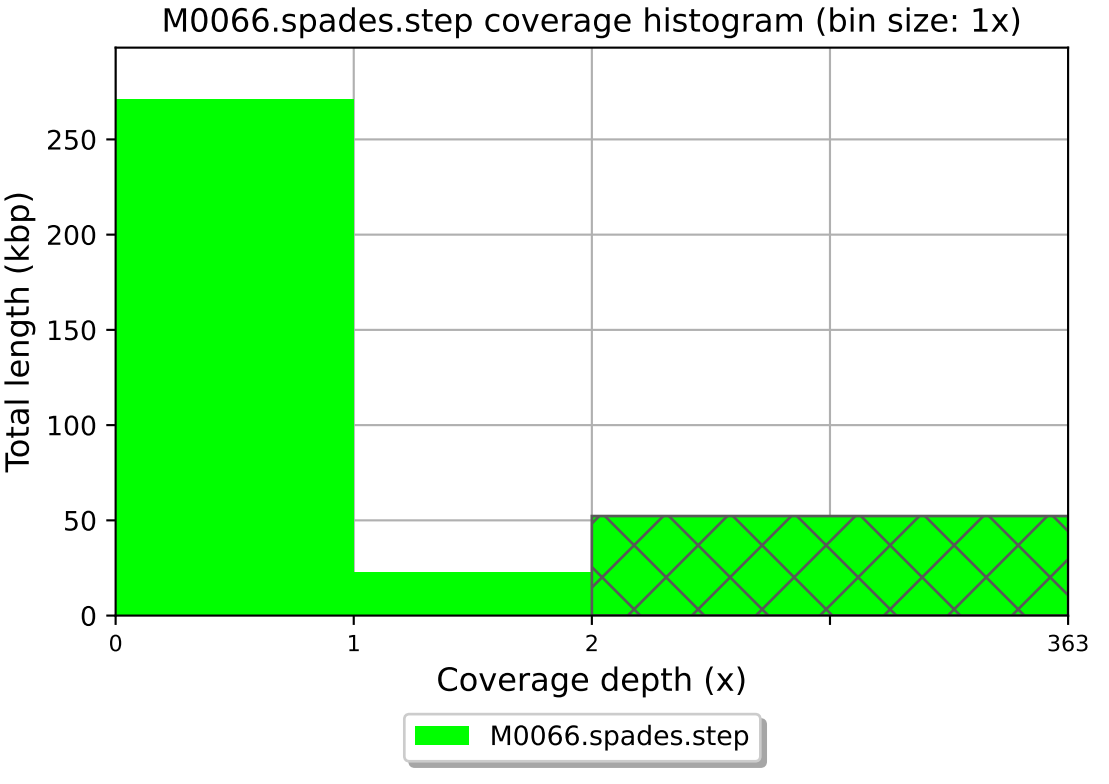

M0061.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
2000
1500
1000
500
0
0
1
2
3
4
167
Coverage depth (x)
M0061.spades.step

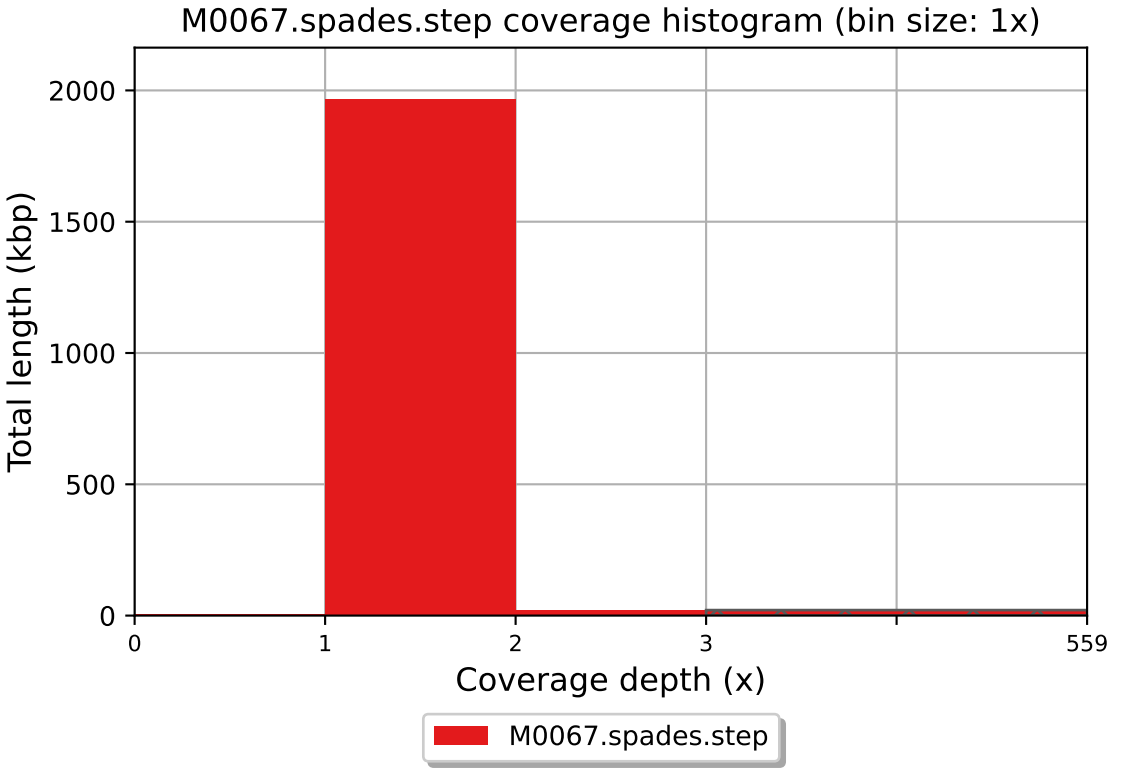

M0062.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
1000
500
0
0
18
19
20
21
22
23
24
25
213
Coverage depth (x)
M0062.spades.step

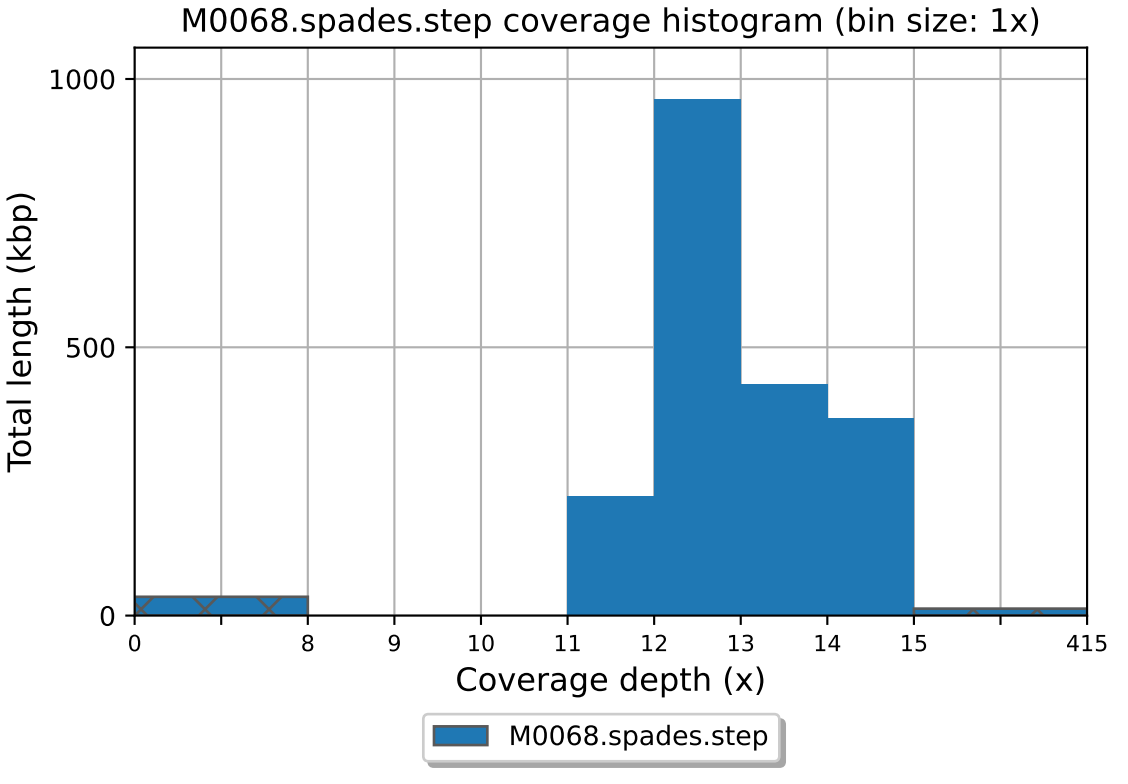

M0063.spades.step coverage histogram (bin size: 8x)
Total length (kbp)
1000
500
0
0
128
136
144
152
160
168
1470
Coverage depth (x)
M0063.spades.step

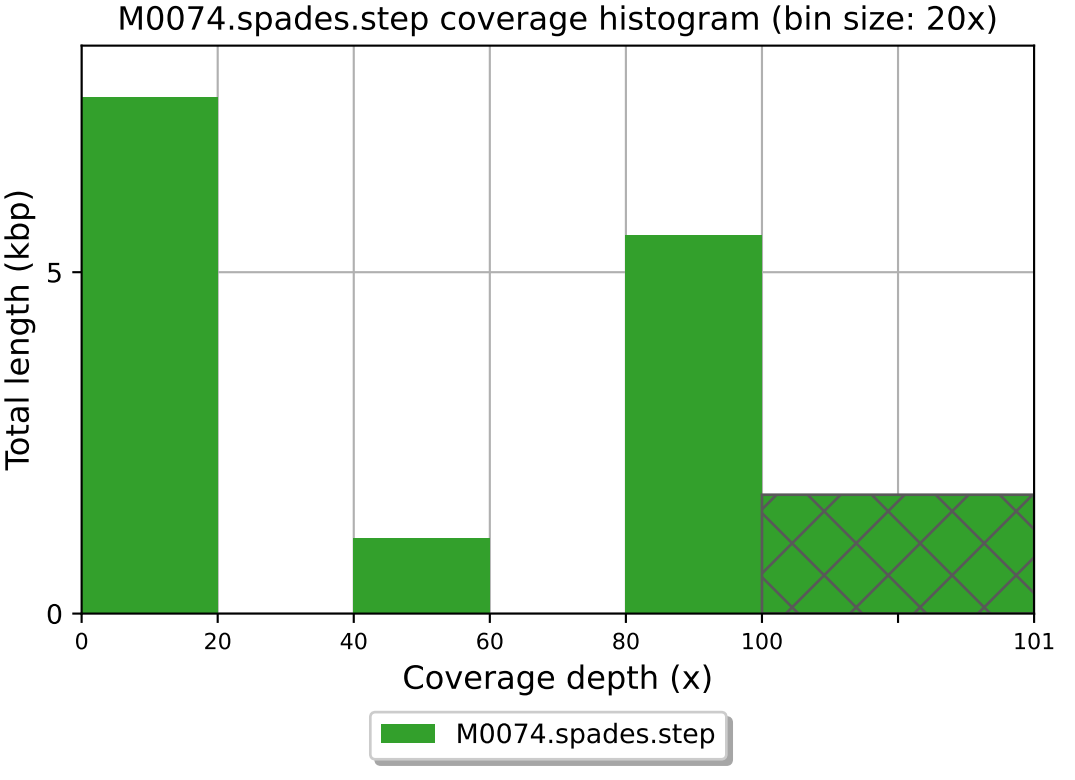

M0064.spades.step coverage histogram (bin size: 2x)
Total length (kbp)
0
5
10
15
20
0
2
4
6
8
10
12
14
402
Coverage depth (x)
M0064.spades.step

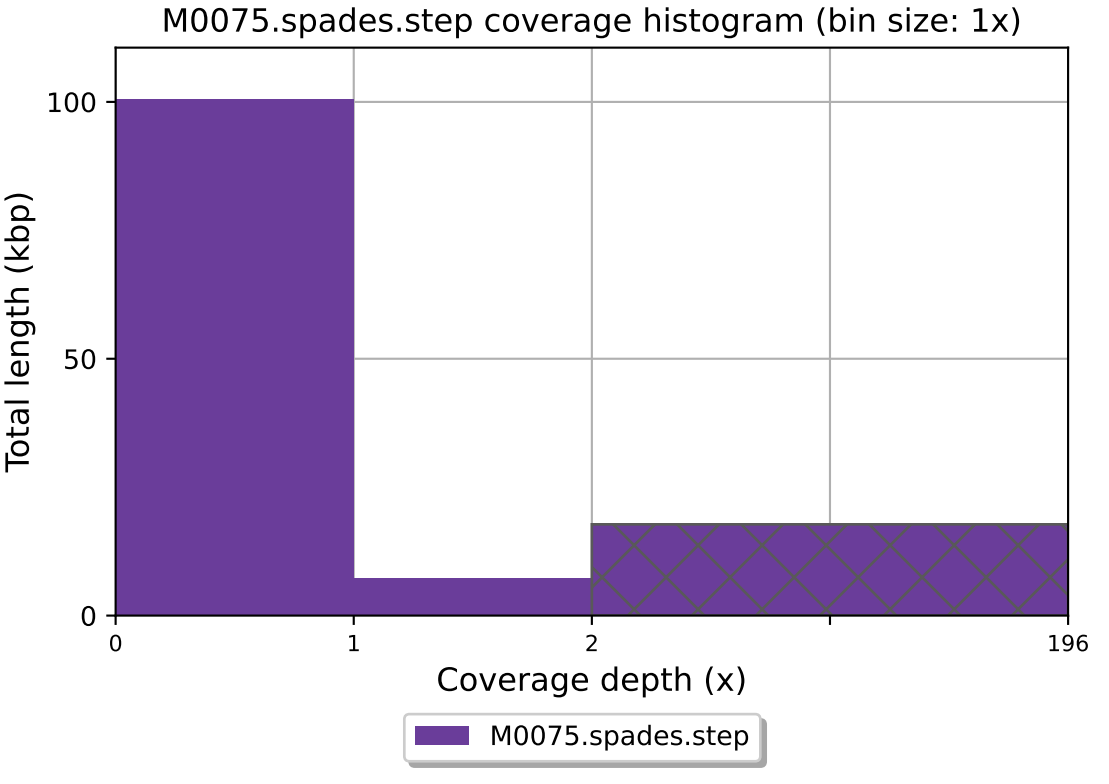

M0065.spades.step coverage histogram (bin size: 2x)
Total length (kbp)
0
5
10
15
0
2
4
6
8
10
12
458
Coverage depth (x)
M0065.spades.step

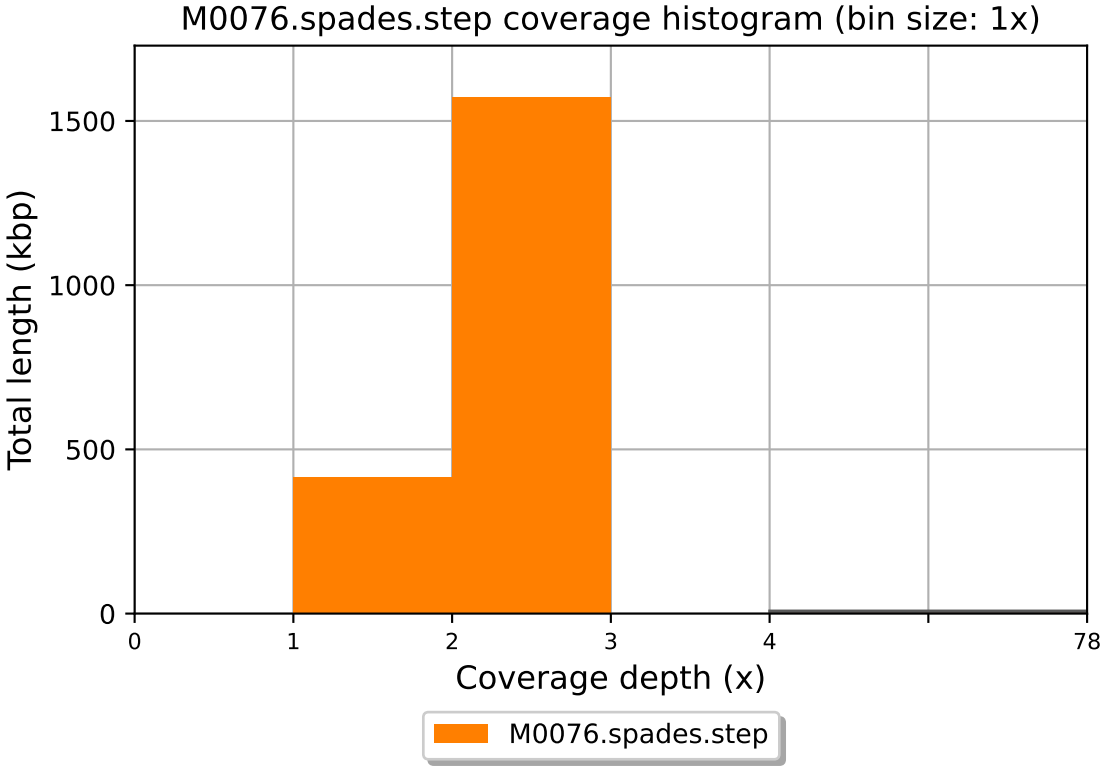

M0066.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
250
200
150
100
50
0
0
1
2
363
Coverage depth (x)
M0066.spades.step

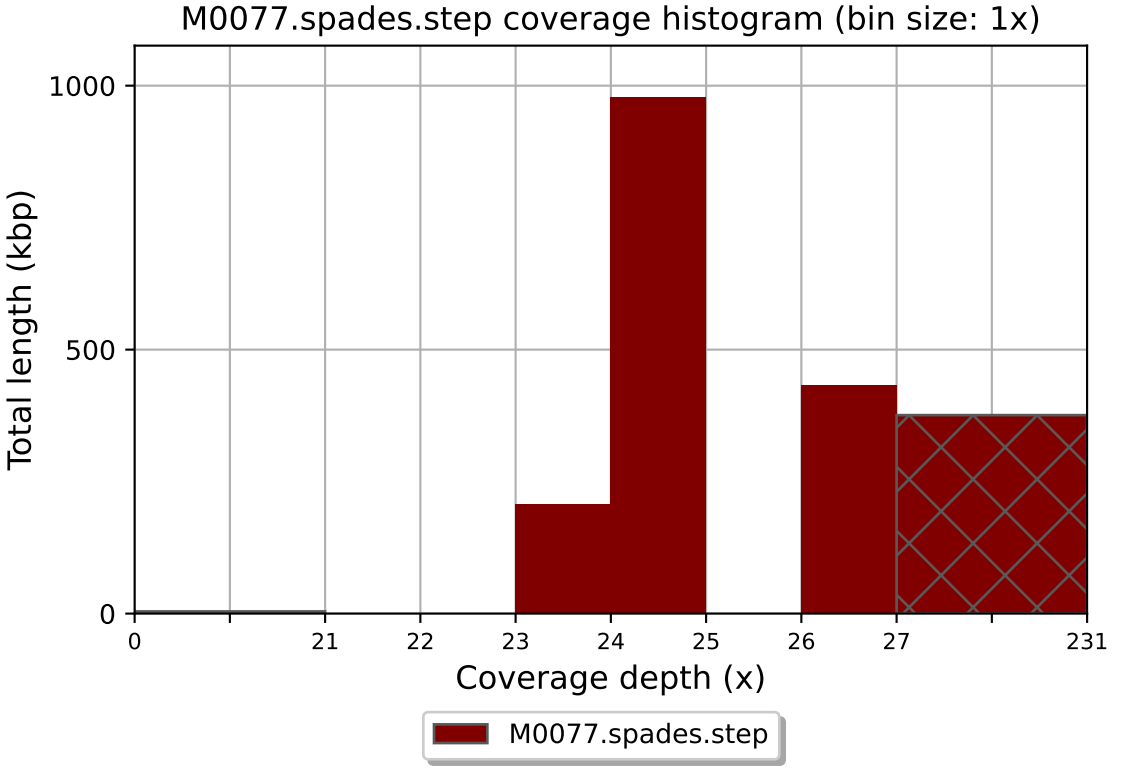

M0067.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
2000
1500
1000
500
0
0
1
2
3
559
Coverage depth (x)
M0067.spades.step

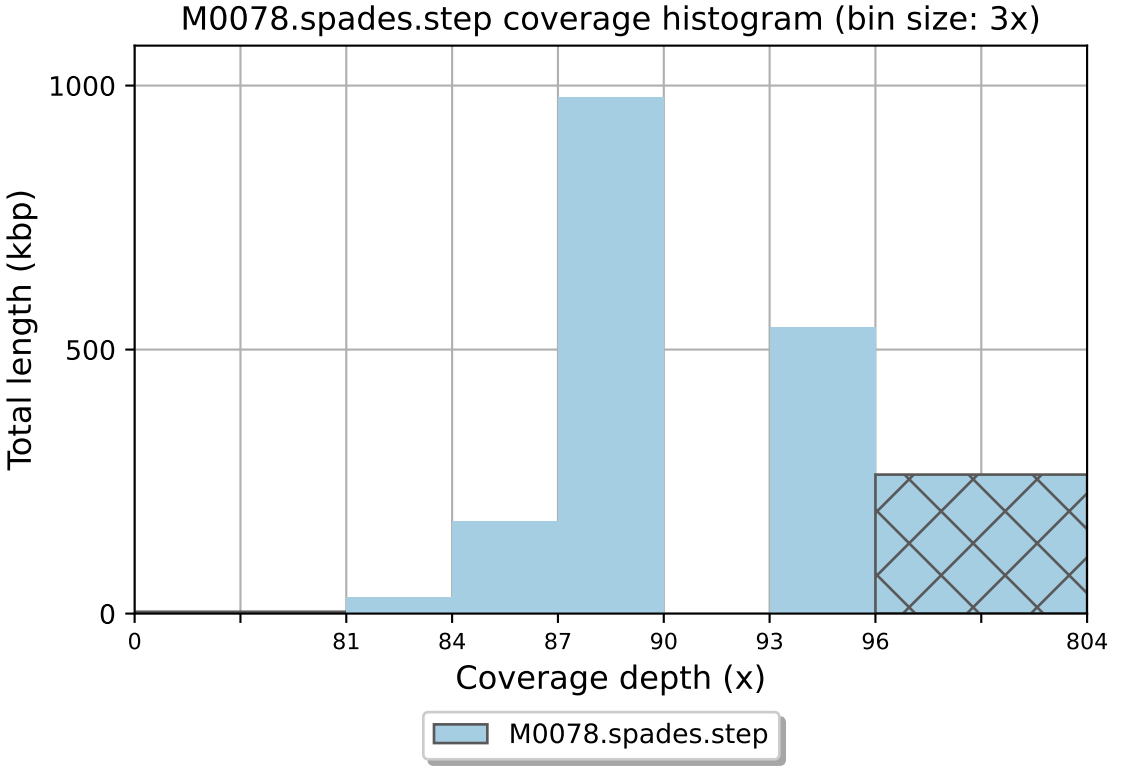

M0068.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
1000
500
0
0
8
9
10
11
12
13
14
15
415
Coverage depth (x)
M0068.spades.step

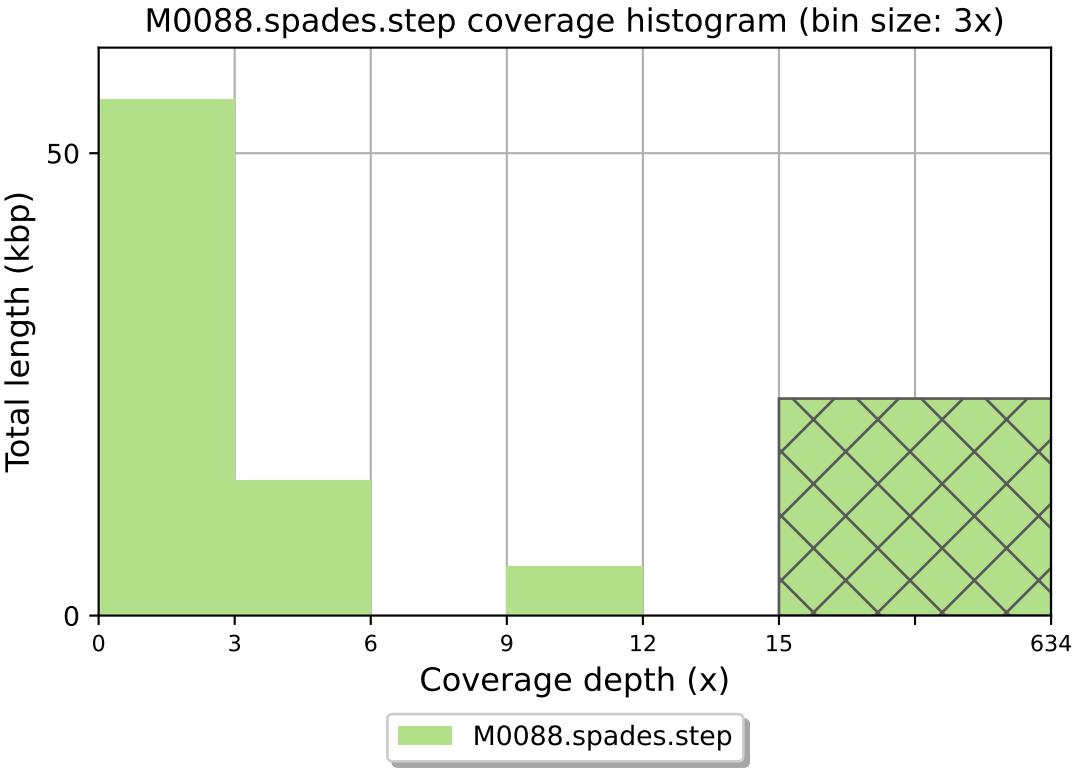

M0074.spades.step coverage histogram (bin size: 20x)
Total length (kbp)
5
0
0
20
40
60
80
100
101
Coverage depth (x)
M0074.spades.step

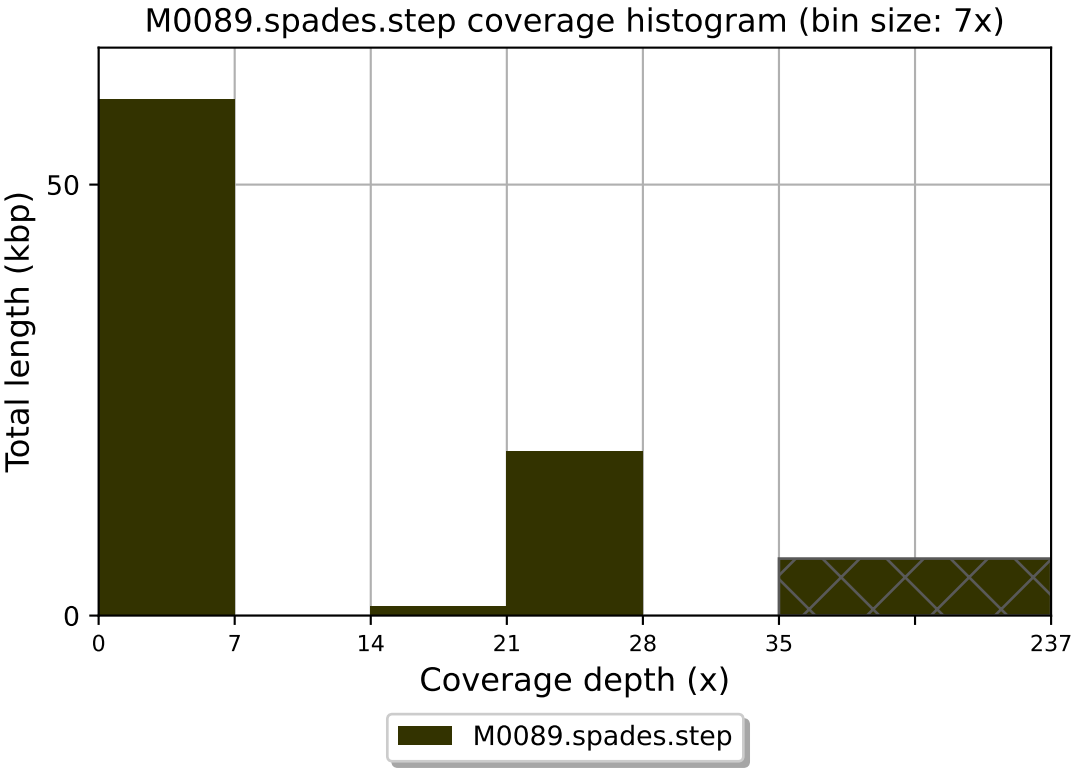

M0075.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
100
50
0
0
1
2
196
Coverage depth (x)
M0075.spades.step

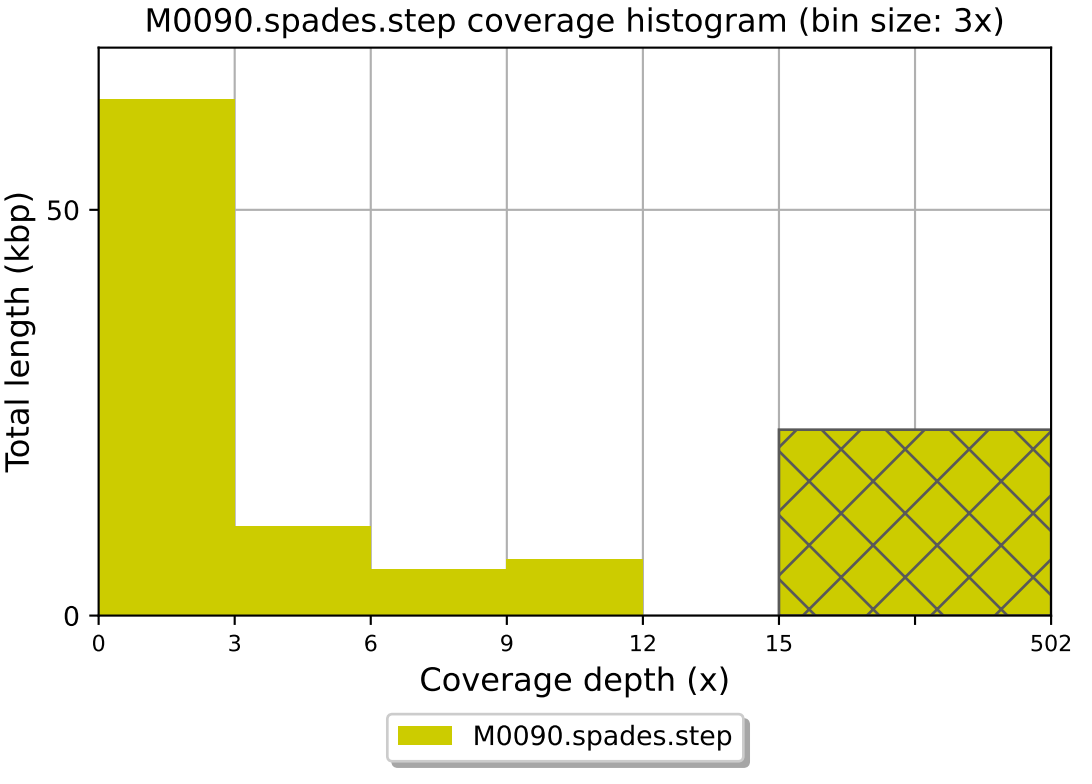

M0076.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
0
500
1000
1500
0
1
2
3
4
78
Coverage depth (x)
M0076.spades.step

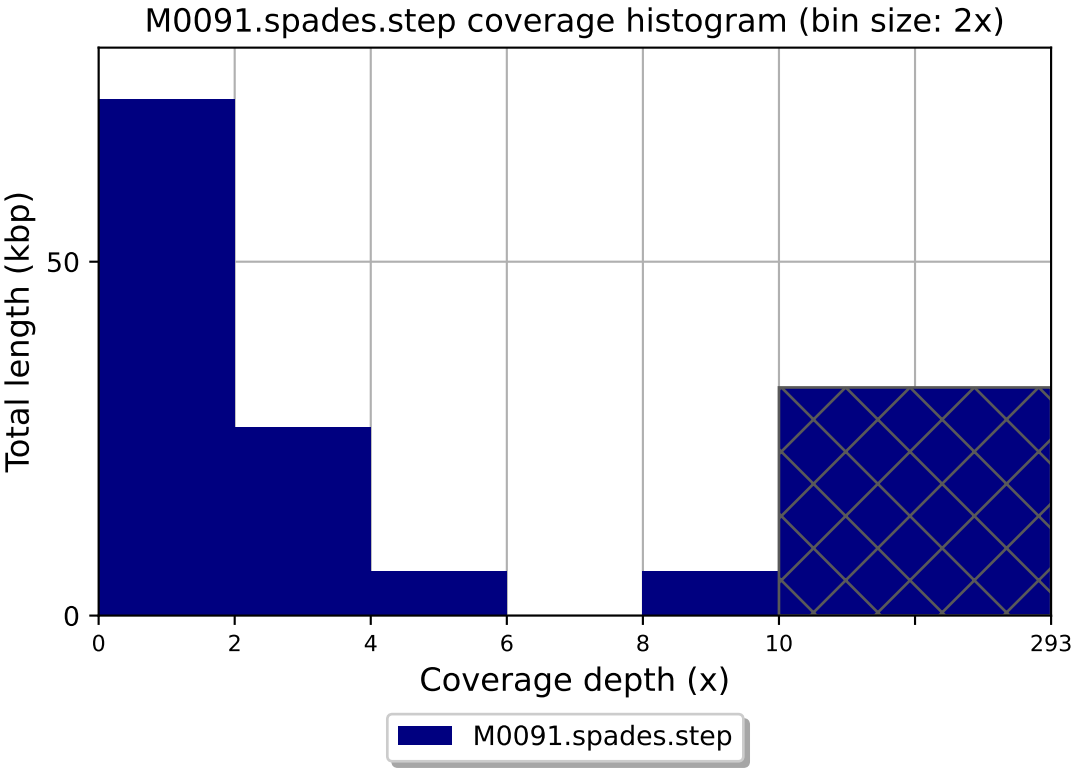

M0077.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
1000
500
0
0
21
22
23
24
25
26
27
231
Coverage depth (x)
M0077.spades.step

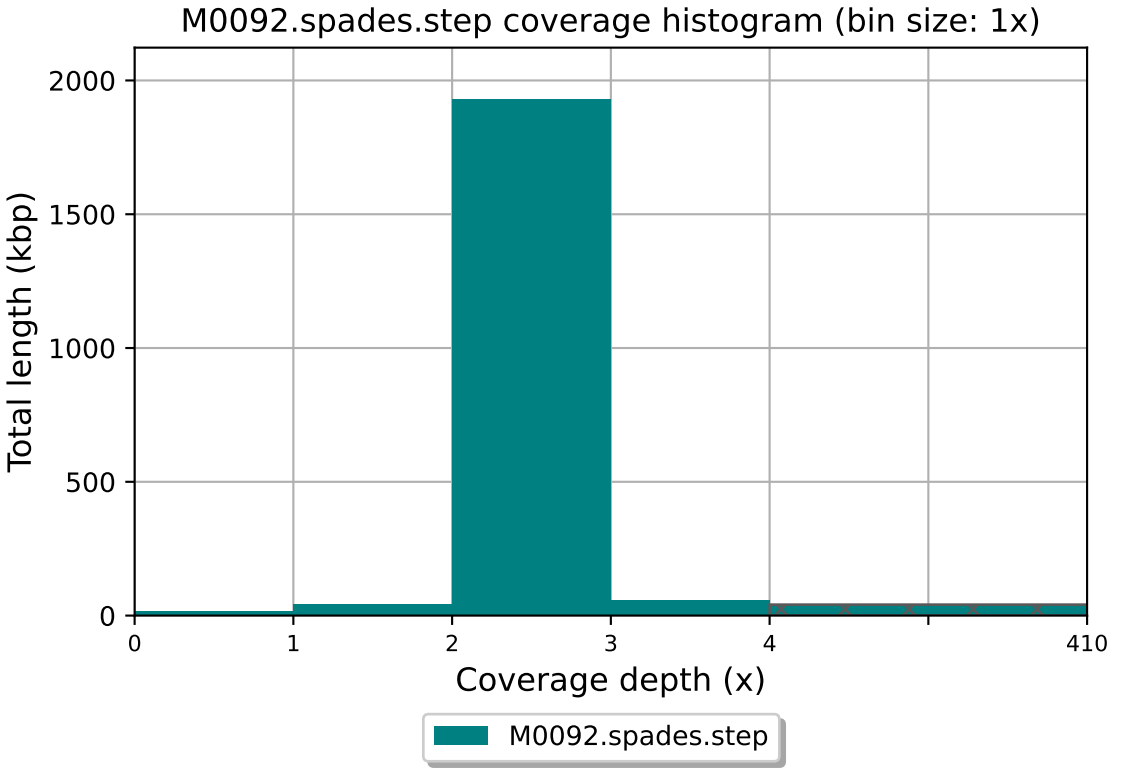

M0078.spades.step coverage histogram (bin size: 3x)
Total length (kbp)
1000
500
0
0
81
84
87
90
93
96
804
Coverage depth (x)
M0078.spades.step

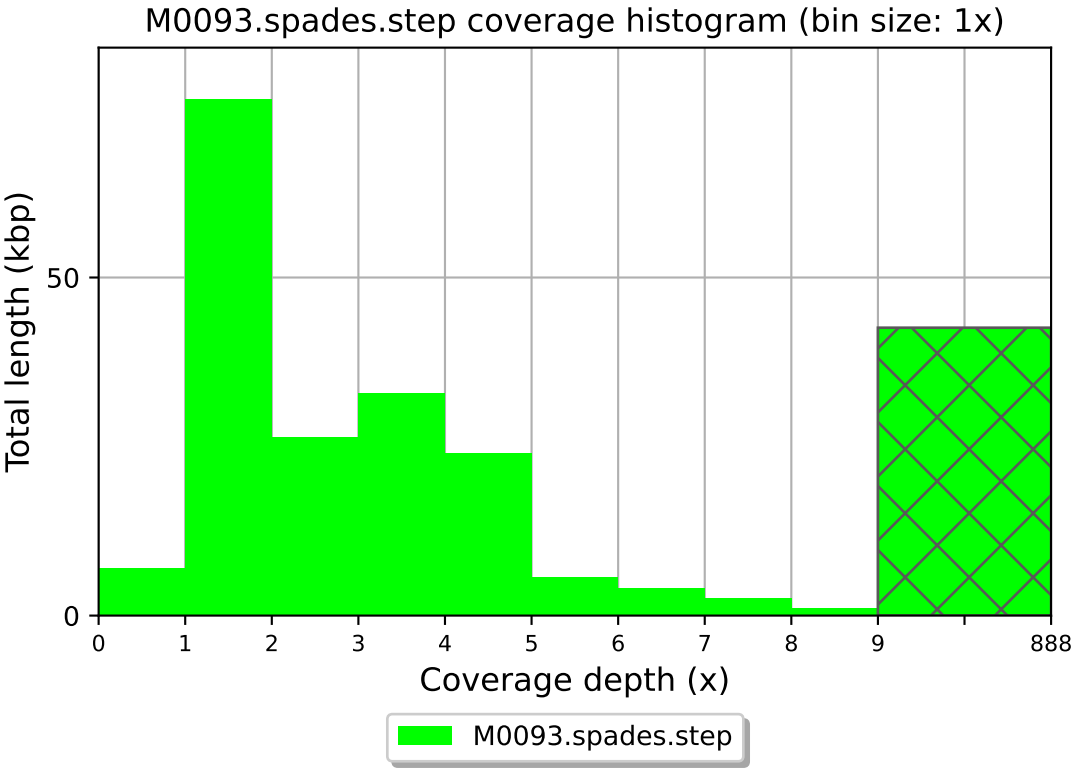

M0088.spades.step coverage histogram (bin size: 3x)
Total length (kbp)
50
0
0
3
6
9
12
15
634
Coverage depth (x)
M0088.spades.step

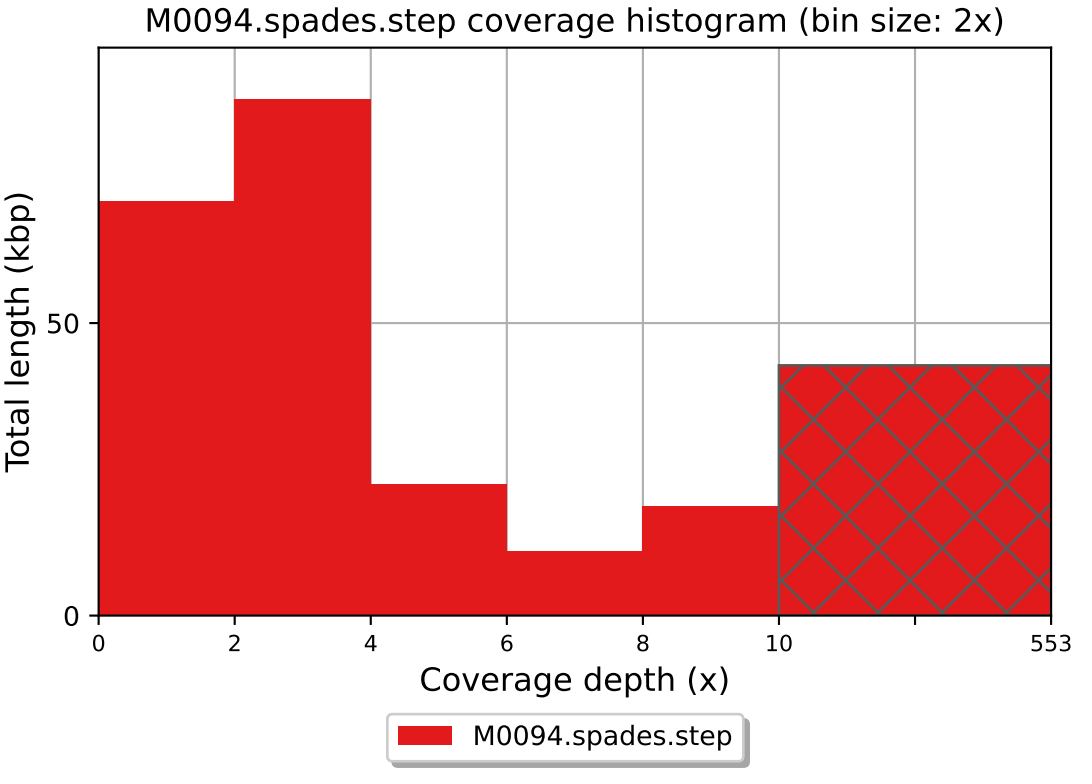

M0089.spades.step coverage histogram (bin size: 7x)
Total length (kbp)
50
0
0
7
14
21
28
35
237
Coverage depth (x)
M0089.spades.step

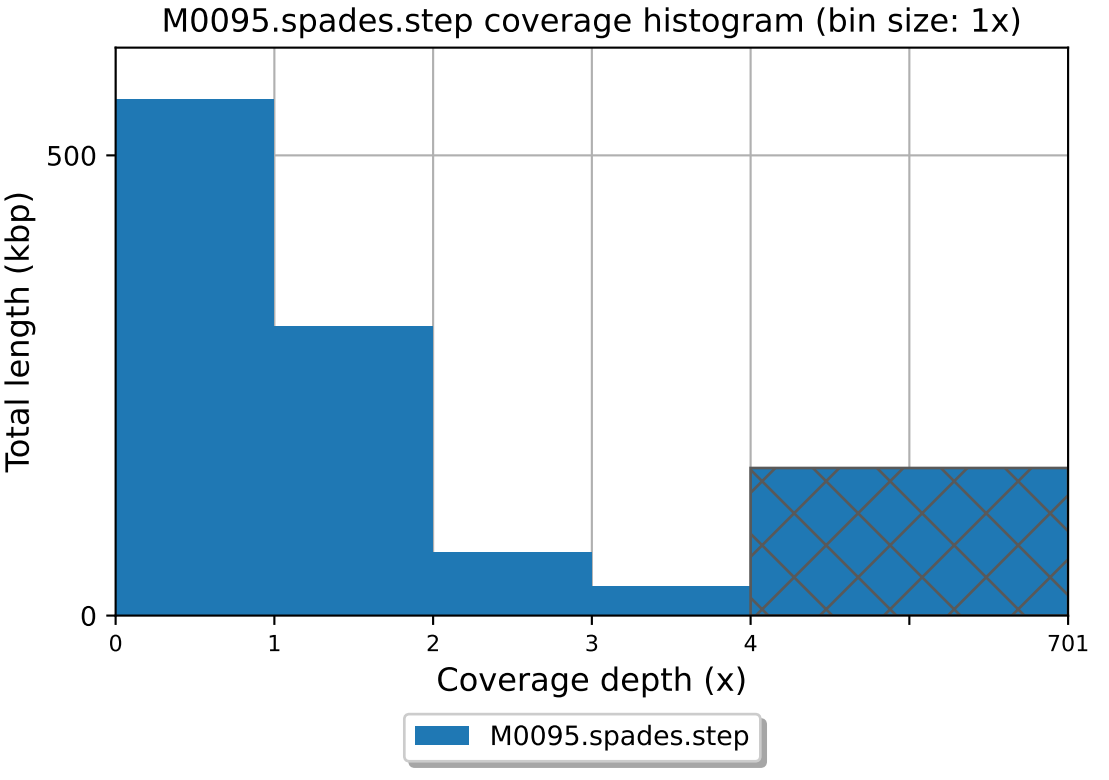

M0090.spades.step coverage histogram (bin size: 3x)
Total length (kbp)
50
0
0
3
6
9
12
15
502
Coverage depth (x)
M0090.spades.step

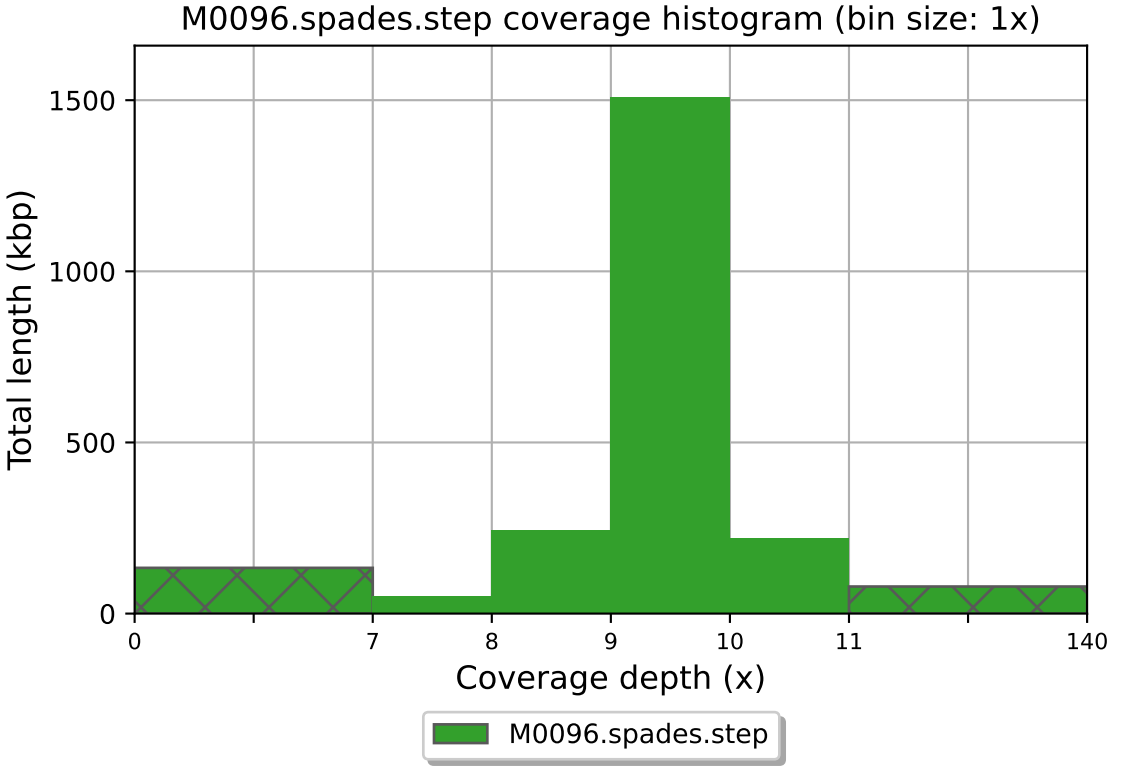

M0091.spades.step coverage histogram (bin size: 2x)
Total length (kbp)
50
0
0
2
4
6
8
10
293
Coverage depth (x)
M0091.spades.step

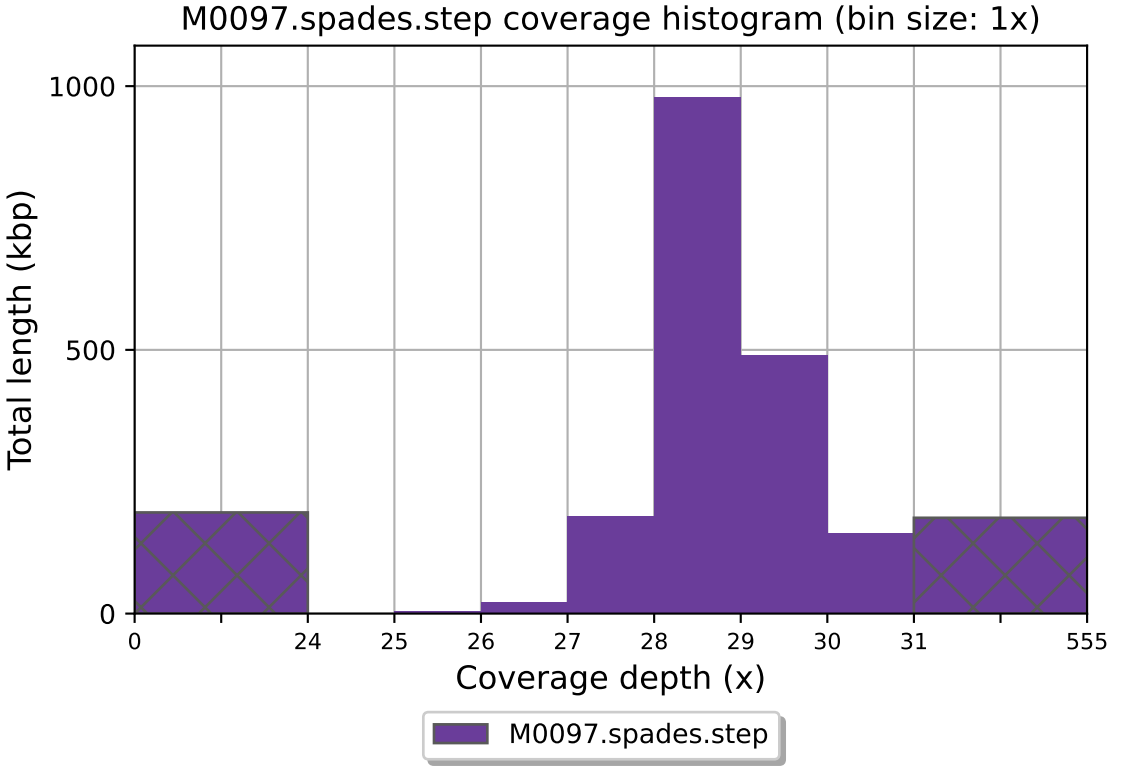

M0092.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
2000
1500
1000
500
0
0
1
2
3
4
410
Coverage depth (x)
M0092.spades.step


M0093.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
50
0
0
1
2
3
4
5
6
7
8
9
888
Coverage depth (x)
M0093.spades.step


M0094.spades.step coverage histogram (bin size: 2x)
Total length (kbp)
50
0
0
2
4
6
8
10
553
Coverage depth (x)
M0094.spades.step


M0095.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
500
0
0
1
2
3
4
701
Coverage depth (x)
M0095.spades.step


M0096.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
1500
1000
500
0
0
7
8
9
10
11
140
Coverage depth (x)
M0096.spades.step


M0097.spades.step coverage histogram (bin size: 1x)
Total length (kbp)
1000
500
0
0
24
25
26
27
28
29
30
31
555
Coverage depth (x)
M0097.spades.step