

Report

|                             | MP_helen_r10_bins_1 | MP_helen_r10_bins_2 | MP_helen_r10_bins_3 | MP_r10_bins_1 | MP_r10_bins_2 | MP_r10_bins_3 | r1_medaka_r10_bins_1 | r1_medaka_r10_bins_2 | r1_medaka_r10_bins_3 | r2_medaka_r10_bins_1 | r2_medaka_r10_bins_2 | r2_medaka_r10_bins_3 | racon_r1_r10_bins_1 | racon_r1_r10_bins_2 | racon_r1_r10_bins_3 | racon_r2_r10_bins_1 | racon_r2_r10_bins_2 | racon_r2_r10_bins_3 | raw_r10_bins_1 | raw_r10_bins_2 | raw_r10_bins_3 |       |
|-----------------------------|---------------------|---------------------|---------------------|---------------|---------------|---------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------|----------------|----------------|-------|
| # contigs (>= 5000 bp)      | 7                   | 7                   | 7                   | 7             | 7             | 7             | 7                    | 7                    | 7                    | 7                    | 7                    | 7                    | 7                   | 7                   | 7                   | 7                   | 7                   | 7                   | 7              | 8              | 8              |       |
| # contigs (>= 10000 bp)     | 7                   | 7                   | 7                   | 7             | 7             | 7             | 7                    | 7                    | 7                    | 7                    | 7                    | 7                    | 7                   | 7                   | 7                   | 7                   | 7                   | 7                   | 7              | 8              | 8              |       |
| # contigs (>= 25000 bp)     | 7                   | 7                   | 7                   | 7             | 7             | 7             | 7                    | 7                    | 7                    | 7                    | 7                    | 7                    | 7                   | 7                   | 7                   | 7                   | 7                   | 7                   | 7              | 8              | 8              |       |
| # contigs (>= 50000 bp)     | 7                   | 7                   | 7                   | 7             | 7             | 7             | 7                    | 7                    | 7                    | 7                    | 7                    | 7                    | 7                   | 7                   | 7                   | 7                   | 7                   | 7                   | 7              | 8              | 8              |       |
| Total length (>= 5000 bp)   | 24069494            | 24072731            | 24070272            | 24075146      | 24075931      | 24075224      | 24072592             | 24074864             | 24072788             | 24064948             | 24068153             | 24065807             | 24059729            | 24064644            | 24059333            | 24055079            | 24060632            | 24052503            | 28129504       | 30850309       | 30849039       |       |
| Total length (>= 10000 bp)  | 24069494            | 24072731            | 24070272            | 24075146      | 24075931      | 24075224      | 24072592             | 24074864             | 24072788             | 24064948             | 24068153             | 24065807             | 24059729            | 24064644            | 24059333            | 24055079            | 24060632            | 24052503            | 28129504       | 30850309       | 30849039       |       |
| Total length (>= 25000 bp)  | 24069494            | 24072731            | 24070272            | 24075146      | 24075931      | 24075224      | 24072592             | 24074864             | 24072788             | 24064948             | 24068153             | 24065807             | 24059729            | 24064644            | 24059333            | 24055079            | 24060632            | 24052503            | 28129504       | 30850309       | 30849039       |       |
| Total length (>= 50000 bp)  | 24069494            | 24072731            | 24070272            | 24075146      | 24075931      | 24075224      | 24072592             | 24074864             | 24072788             | 24064948             | 24068153             | 24065807             | 24059729            | 24064644            | 24059333            | 24055079            | 24060632            | 24052503            | 28129504       | 30850309       | 30849039       |       |
| # contigs                   | 7                   | 7                   | 7                   | 7             | 7             | 7             | 7                    | 7                    | 7                    | 7                    | 7                    | 7                    | 7                   | 7                   | 7                   | 7                   | 7                   | 7                   | 7              | 8              | 8              |       |
| Largest contig              | 4765299             | 4765370             | 4765301             | 4765922       | 4765391       | 4765920       | 4765362              | 4765395              | 4765360              | 4765364              | 4765350              | 4765359              | 4764643             | 4764770             | 4764652             | 4764716             | 4764723             | 4764656             | 6787702        | 6787718        | 6788614        |       |
| Total length                | 24069494            | 24072731            | 24070272            | 24075146      | 24075931      | 24075224      | 24072592             | 24074864             | 24072788             | 24064948             | 24068153             | 24065807             | 24059729            | 24064644            | 24059333            | 24055079            | 24060632            | 24052503            | 28129504       | 30850309       | 30849039       |       |
| Reference length            | 4787036             | 4787036             | 4787036             | 4787036       | 4787036       | 4787036       | 4787036              | 4787036              | 4787036              | 4787036              | 4787036              | 4787036              | 4787036             | 4787036             | 4787036             | 4787036             | 4787036             | 4787036             | 4787036        | 4787036        | 4787036        |       |
| GC (%)                      | 44.80               | 44.81               | 44.80               | 44.80         | 44.80         | 44.80         | 44.80                | 44.80                | 44.80                | 44.80                | 44.80                | 44.80                | 44.79               | 44.79               | 44.79               | 44.79               | 44.79               | 44.79               | 44.79          | 51.10          | 49.48          | 49.48 |
| Reference GC (%)            | 50.45               | 50.45               | 50.45               | 50.45         | 50.45         | 50.45         | 50.45                | 50.45                | 50.45                | 50.45                | 50.45                | 50.45                | 50.45               | 50.45               | 50.45               | 50.45               | 50.45               | 50.45               | 50.45          | 50.45          | 50.45          |       |
| N50                         | 4045615             | 4045634             | 4045636             | 4045594       | 4045608       | 4045601       | 4045589              | 4045607              | 4045601              | 4045589              | 4045605              | 4045604              | 4045233             | 4045287             | 4045256             | 4045364             | 4045333             | 4045318             | 4755983        | 4756088        | 4755683        |       |
| NG50                        | 4765299             | 4765370             | 4765301             | 4765922       | 4765391       | 4765920       | 4765362              | 4765395              | 4765360              | 4765364              | 4765350              | 4765359              | 4764643             | 4764770             | 4764652             | 4764716             | 4764723             | 4764656             | 6787702        | 6787718        | 6788614        |       |
| N75                         | 2845363             | 2845435             | 2845364             | 2845421       | 2845426       | 2845426       | 2845430              | 2845432              | 2845434              | 2845429              | 2845433              | 2845432              | 2845290             | 2845293             | 2845290             | 2845315             | 2845310             | 2845306             | 2990633        | 2990279        | 2990261        |       |
| NG75                        | 4765299             | 4765370             | 4765301             | 4765922       | 4765391       | 4765920       | 4765362              | 4765395              | 4765360              | 4765364              | 4765350              | 4765359              | 4764643             | 4764770             | 4764652             | 4764716             | 4764723             | 4764656             | 6787702        | 6787718        | 6788614        |       |
| L50                         | 3                   | 3                   | 3                   | 3             | 3             | 3             | 3                    | 3                    | 3                    | 3                    | 3                    | 3                    | 3                   | 3                   | 3                   | 3                   | 3                   | 3                   | 3              | 3              | 3              |       |
| LG50                        | 1                   | 1                   | 1                   | 1             | 1             | 1             | 1                    | 1                    | 1                    | 1                    | 1                    | 1                    | 1                   | 1                   | 1                   | 1                   | 1                   | 1                   | 1              | 1              | 1              |       |
| L75                         | 5                   | 5                   | 5                   | 5             | 5             | 5             | 5                    | 5                    | 5                    | 5                    | 5                    | 5                    | 5                   | 5                   | 5                   | 5                   | 5                   | 5                   | 5              | 5              | 5              |       |
| LG75                        | 1                   | 1                   | 1                   | 1             | 1             | 1             | 1                    | 1                    | 1                    | 1                    | 1                    | 1                    | 1                   | 1                   | 1                   | 1                   | 1                   | 1                   | 1              | 1              | 1              |       |
| # misassemblies             | 21                  | 21                  | 21                  | 21            | 21            | 21            | 21                   | 21                   | 21                   | 21                   | 21                   | 21                   | 21                  | 21                  | 21                  | 21                  | 21                  | 21                  | 19             | 19             | 19             |       |
| # misassembled contigs      | 1                   | 1                   | 1                   | 1             | 1             | 1             | 1                    | 1                    | 1                    | 1                    | 1                    | 1                    | 1                   | 1                   | 1                   | 1                   | 1                   | 1                   | 1              | 1              | 1              |       |
| Misassembled contigs length | 4765299             | 4765370             | 4765301             | 4765922       | 4765391       | 4765920       | 4765362              | 4765395              | 4765360              | 4765364              | 4765350              | 4765359              | 4764643             | 4764770             | 4764652             | 4764716             | 4764723             | 4764656             | 4763471        | 4763493        | 4763422        |       |
| # local misassemblies       | 36                  | 36                  | 37                  | 37            | 36            | 37            | 36                   | 36                   | 37                   | 37                   | 36                   | 37                   | 36                  | 37                  | 36                  | 36                  | 36                  | 36                  | 57             | 61             | 57             |       |
| # scaffold gap ext. mis.    | 0                   | 0                   | 0                   | 0             | 0             | 0             | 0                    | 0                    | 0                    | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0              | 0              | 0              |       |
| # scaffold gap loc. mis.    | 0                   | 0                   | 0                   | 0             | 0             | 0             | 0                    | 0                    | 0                    | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0              | 0              | 0              |       |
| # unaligned mis. contigs    | 6                   | 6                   | 6                   | 6             | 6             | 6             | 6                    | 6                    | 6                    | 6                    | 6                    | 6                    | 6                   | 6                   | 6                   | 6                   | 6                   | 6                   | 6              | 6              | 6              |       |
| # unaligned contigs         | 0 + 7 part          | 0 + 7 part          | 0 + 7 part          | 0 + 7 part    | 0 + 7 part    | 0 + 7 part    | 0 + 7 part           | 0 + 7 part           | 0 + 7 part           | 0 + 7 part           | 0 + 7 part           | 0 + 7 part           | 0 + 7 part          | 0 + 7 part          | 0 + 7 part          | 0 + 7 part          | 0 + 7 part          | 0 + 7 part          | 0 + 7 part     | 0 + 8 part     | 0 + 8 part     |       |
| Unaligned length            | 19035147            | 19038239            | 19035171            | 19041094      | 19042017      | 19041458      | 19036067             | 19039229             | 19037979             | 19028842             | 19032998             | 19029873             | 19028242            | 19030315            | 19027069            | 19019024            | 19024888            | 19014987            | 23170363       | 25902936       | 25888111       |       |
| Genome fraction (%)         | 97.703              | 97.703              | 97.701              | 97.703        | 97.703        | 97.703        | 97.703               | 97.703               | 97.701               | 97.701               | 97.703               | 97.701               | 97.703              | 97.703              | 97.703              | 97.703              | 97.703              | 97.703              | 97.663         | 97.663         | 97.663         |       |
| Duplication ratio           | 1.077               | 1.077               | 1.077               | 1.076         | 1.076         | 1.076         | 1.077                | 1.077                | 1.077                | 1.077                | 1.077                | 1.077                | 1.077               | 1.077               | 1.076               | 1.077               | 1.077               | 1.077               | 1.077          | 1.061          | 1.058          |       |
| # N's per 100 kbp           | 0.00                | 0.00                | 0.00                | 0.00          | 0.00          | 0.00          | 0.00                 | 0.00                 | 0.00                 | 0.00                 | 0.00                 | 0.00                 | 0.00                | 0.00                | 0.00                | 0.00                | 0.00                | 0.00                | 0.00           | 0.00           | 0.00           |       |
| # mismatches per 100 kbp    | 437.50              | 437.93              | 438.94              | 439.81        | 439.75        | 439.06        | 443.10               | 441.67               | 439.03               | 442.13               | 440.54               | 441.89               | 437.52              | 443.42              | 438.81              | 447.96              | 447.94              | 451.08              | 496.75         | 484.81         | 502.65         |       |
| # indels per 100 kbp        | 18.28               | 16.85               | 18.18               | 20.98         | 20.53         | 20.85         | 15.18                | 15.50                | 15.01                | 15.05                | 15.33                | 15.01                | 36.57               | 37.25               | 36.44               | 33.38               | 33.49               | 33.19               | 234.05         | 236.81         | 236.96         |       |
| Largest alignment           | 1408815             | 1414821             | 1408815             | 1408881       | 1414836       | 1408879       | 1408887              | 1414865              | 1408885              | 1408888              | 1414829              | 1408888              | 1408725             | 1414845             | 1408707             | 1408742             | 1414646             | 1408719             | 1104870        | 1102178        | 1104889        |       |
| Total aligned length        | 5029020             | 5028083             | 5032135             | 5028658       | 5027493       | 5028372       | 5031176              | 5029225              | 5031874              | 5033142              | 5028745              | 5033011              | 5026217             | 5027996             | 5026999             | 5030772             | 5029347             | 5032233             | 4956820        | 4942049        | 4958628        |       |
| NGA50                       | 1103277             | 1102966             | 1105648             | 1103292       | 1102968       | 1103290       | 1103279              | 1102956              | 1105652              | 1105649              | 1102958              | 1105647              | 1103090             | 1102776             | 1103121             | 1103131             | 1102818             | 1103095             | 586344         | 586489         | 586344         |       |
| NGA75                       | 393565              | 394041              | 393564              | 393569        | 394054        | 393569        | 393562               | 394045               | 393560               | 393562               | 394045               | 393561               | 393561              | 393984              | 393544              | 393552              | 394006              | 393547              | 376841         | 369917         | 376856         |       |
| LGA50                       | 2                   | 2                   | 2                   | 2             | 2             | 2             | 2                    | 2                    | 2                    | 2                    | 2                    | 2                    | 2                   | 2                   | 2                   | 2                   | 2                   | 2                   | 3              | 3              | 3              |       |
| LGA75                       | 5                   | 5                   | 5                   | 5             | 5             | 5             | 5                    | 5                    | 5                    | 5                    | 5                    | 5                    | 5                   | 5                   | 5                   | 5                   | 5                   | 5                   | 6              | 6              | 6              |       |

All statistics are based on contigs of size >= 5000 bp, unless otherwise noted (e.g., "# contigs (>= 0 bp)" and "Total length (>= 0 bp)" include all contigs).

# Misassemblies report

|  | MP_helen_r10_bins_1 | MP_helen_r10_bins_2 | MP_helen_r10_bins_3 | MP_r10_bins_1 | MP_r10_bins_2 | MP_r10_bins_3 | r1_medaka_r10_bins_1 | r1_medaka_r10_bins_2 | r1_medaka_r10_bins_3 | r2_medaka_r10_bins_1 | r2_medaka_r10_bins_2 | r2_medaka_r10_bins_3 | racon_r1_r10_bins_1 | racon_r1_r10_bins_2 | racon_r1_r10_bins_3 | racon_r2_r10_bins_1 | racon_r2_r10_bins_2 | racon_r2_r10_bins_3 | raw_r10_bins_1 | raw_r10_bins_2 | raw_r10_bins_3 |
|--|---------------------|---------------------|---------------------|---------------|---------------|---------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------|----------------|----------------|
| # misassemblies                                | 21                  | 21                  | 21                  | 21            | 21            | 21            | 21                   | 21                   | 21                   | 21                   | 21                   | 21                   | 21                  | 21                  | 21                  | 21                  | 21                  | 21                  | 19             | 19             | 19             |
| # contig misassemblies                         | 21                  | 21                  | 21                  | 21            | 21            | 21            | 21                   | 21                   | 21                   | 21                   | 21                   | 21                   | 21                  | 21                  | 21                  | 21                  | 21                  | 21                  | 19             | 19             | 19             |
| # c. relocations                               | 1                   | 1                   | 1                   | 1             | 1             | 1             | 1                    | 1                    | 1                    | 1                    | 1                    | 1                    | 1                   | 1                   | 1                   | 1                   | 1                   | 1                   | 1              | 1              | 1              |
| # c. translocations                            | 20                  | 20                  | 20                  | 20            | 20            | 20            | 20                   | 20                   | 20                   | 20                   | 20                   | 20                   | 20                  | 20                  | 20                  | 20                  | 20                  | 20                  | 18             | 18             | 18             |
| # c. inversions                                | 0                   | 0                   | 0                   | 0             | 0             | 0             | 0                    | 0                    | 0                    | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0              | 0              | 0              |
| # scaffold misassemblies                       | 0                   | 0                   | 0                   | 0             | 0             | 0             | 0                    | 0                    | 0                    | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0              | 0              | 0              |
| # s. relocations                               | 0                   | 0                   | 0                   | 0             | 0             | 0             | 0                    | 0                    | 0                    | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0              | 0              | 0              |
| # s. translocations                            | 0                   | 0                   | 0                   | 0             | 0             | 0             | 0                    | 0                    | 0                    | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0              | 0              | 0              |
| # s. inversions                                | 0                   | 0                   | 0                   | 0             | 0             | 0             | 0                    | 0                    | 0                    | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0              | 0              | 0              |
| # misassembled contigs                         | 1                   | 1                   | 1                   | 1             | 1             | 1             | 1                    | 1                    | 1                    | 1                    | 1                    | 1                    | 1                   | 1                   | 1                   | 1                   | 1                   | 1                   | 1              | 1              | 1              |
| Misassembled contigs length                    | 4765299             | 4765370             | 4765301             | 4765922       | 4765391       | 4765920       | 4765362              | 4765395              | 4765360              | 4765364              | 4765350              | 4765359              | 4764643             | 4764770             | 4764652             | 4764716             | 4764723             | 4764656             | 4763471        | 4763493        | 4763422        |
| # possibly misassembled contigs                | 1                   | 1                   | 1                   | 1             | 1             | 1             | 1                    | 1                    | 1                    | 1                    | 1                    | 1                    | 1                   | 1                   | 1                   | 1                   | 1                   | 1                   | 1              | 1              | 1              |
| # possible misassemblies                       | 12                  | 12                  | 12                  | 12            | 12            | 12            | 12                   | 12                   | 12                   | 12                   | 12                   | 12                   | 12                  | 12                  | 12                  | 12                  | 12                  | 12                  | 32             | 34             | 32             |
| # local misassemblies                          | 36                  | 36                  | 37                  | 37            | 36            | 37            | 36                   | 36                   | 37                   | 37                   | 36                   | 37                   | 36                  | 37                  | 36                  | 36                  | 36                  | 36                  | 57             | 61             | 57             |
| # scaffold gap ext. mis.                       | 0                   | 0                   | 0                   | 0             | 0             | 0             | 0                    | 0                    | 0                    | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0              | 0              | 0              |
| # scaffold gap loc. mis.                       | 0                   | 0                   | 0                   | 0             | 0             | 0             | 0                    | 0                    | 0                    | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0              | 0              | 0              |
| # misassemblies caused by fragmented reference | 42                  | 42                  | 42                  | 42            | 42            | 42            | 42                   | 42                   | 42                   | 42                   | 42                   | 42                   | 42                  | 42                  | 42                  | 42                  | 42                  | 41                  | 36             | 35             | 36             |
| # unaligned mis. contigs                       | 6                   | 6                   | 6                   | 6             | 6             | 6             | 6                    | 6                    | 6                    | 6                    | 6                    | 6                    | 6                   | 6                   | 6                   | 6                   | 6                   | 6                   | 6              | 6              | 6              |
| # mismatches                                   | 20460               | 20480               | 20527               | 20568         | 20565         | 20533         | 20722                | 20655                | 20531                | 20676                | 20602                | 20665                | 20461               | 20737               | 20521               | 20949               | 20948               | 21095               | 23221          | 22663          | 23497          |
| # indels                                       | 855                 | 788                 | 850                 | 981           | 960           | 975           | 710                  | 725                  | 702                  | 704                  | 717                  | 702                  | 1710                | 1742                | 1704                | 1561                | 1566                | 1552                | 10941          | 11070          | 11077          |
| # indels (<= 5 bp)                             | 755                 | 689                 | 751                 | 883           | 860           | 877           | 613                  | 626                  | 606                  | 608                  | 619                  | 606                  | 1612                | 1645                | 1606                | 1464                | 1469                | 1454                | 10742          | 10870          | 10878          |
| # indels (> 5 bp)                              | 100                 | 99                  | 99                  | 98            | 100           | 98            | 97                   | 99                   | 96                   | 96                   | 98                   | 96                   | 98                  | 97                  | 98                  | 97                  | 97                  | 98                  | 199            | 200            | 199            |
| Indels length                                  | 6175                | 6061                | 6065                | 6243          | 6238          | 6231          | 5933                 | 6001                 | 5820                 | 5832                 | 5950                 | 5831                 | 7098                | 7169                | 7081                | 6906                | 6941                | 6913                | 20061          | 20302          | 20229          |

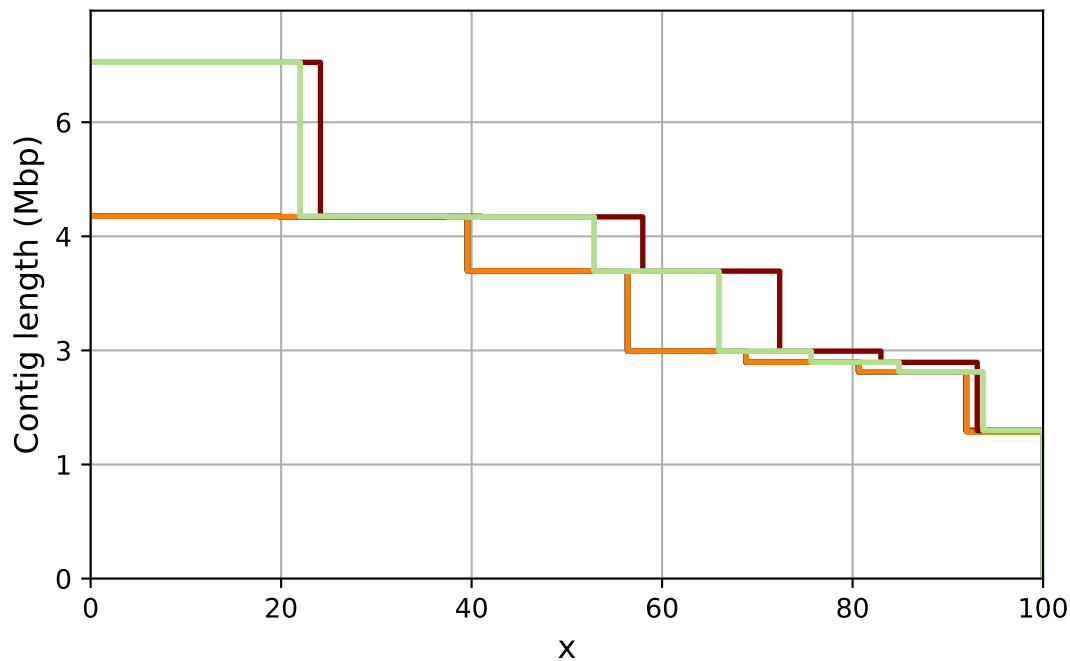
All statistics are based on contigs of size >= 5000 bp, unless otherwise noted (e.g., "# contigs (>= 0 bp)" and "Total length (>= 0 bp)" include all contigs).

Unaligned report

|                               | MP_helen_r10_bins_1 | MP_helen_r10_bins_2 | MP_helen_r10_bins_3 | MP_r10_bins_1 | MP_r10_bins_2 | MP_r10_bins_3 | r1_medaka_r10_bins_1 | r1_medaka_r10_bins_2 | r1_medaka_r10_bins_3 | r2_medaka_r10_bins_1 | r2_medaka_r10_bins_2 | r2_medaka_r10_bins_3 | racon_r1_r10_bins_1 | racon_r1_r10_bins_2 | racon_r1_r10_bins_3 | racon_r2_r10_bins_1 | racon_r2_r10_bins_2 | racon_r2_r10_bins_3 | raw_r10_bins_1 | raw_r10_bins_2 | raw_r10_bins_3 |
|-------------------------------|---------------------|---------------------|---------------------|---------------|---------------|---------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------|----------------|----------------|
| # fully unaligned contigs     | 0                   | 0                   | 0                   | 0             | 0             | 0             | 0                    | 0                    | 0                    | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0              | 0              | 0              |
| Fully unaligned length        | 0                   | 0                   | 0                   | 0             | 0             | 0             | 0                    | 0                    | 0                    | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0              | 0              | 0              |
| # partially unaligned contigs | 7                   | 7                   | 7                   | 7             | 7             | 7             | 7                    | 7                    | 7                    | 7                    | 7                    | 7                    | 7                   | 7                   | 7                   | 7                   | 7                   | 7                   | 7              | 8              | 8              |
| Partially unaligned length    | 19035147            | 19038239            | 19035171            | 19041094      | 19042017      | 19041458      | 19036067             | 19039229             | 19037979             | 19028842             | 19032998             | 19029873             | 19028242            | 19030315            | 19027069            | 19019024            | 19024888            | 19014987            | 23170363       | 25902936       | 25888111       |
| # N's                         | 0                   | 0                   | 0                   | 0             | 0             | 0             | 0                    | 0                    | 0                    | 0                    | 0                    | 0                    | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0              | 0              | 0              |

All statistics are based on contigs of size  $\geq 5000$  bp, unless otherwise noted (e.g., "# contigs ( $\geq 0$  bp)" and "Total length ( $\geq 0$  bp)" include all contigs).

Nx



MP\_helen\_r10\_bins\_1

MP\_helen\_r10\_bins\_2

MP\_helen\_r10\_bins\_3

MP\_r10\_bins\_1

r1\_medaka\_r10\_bins\_2

r1\_medaka\_r10\_bins\_3

r2\_medaka\_r10\_bins\_1

r2\_medaka\_r10\_bins\_2

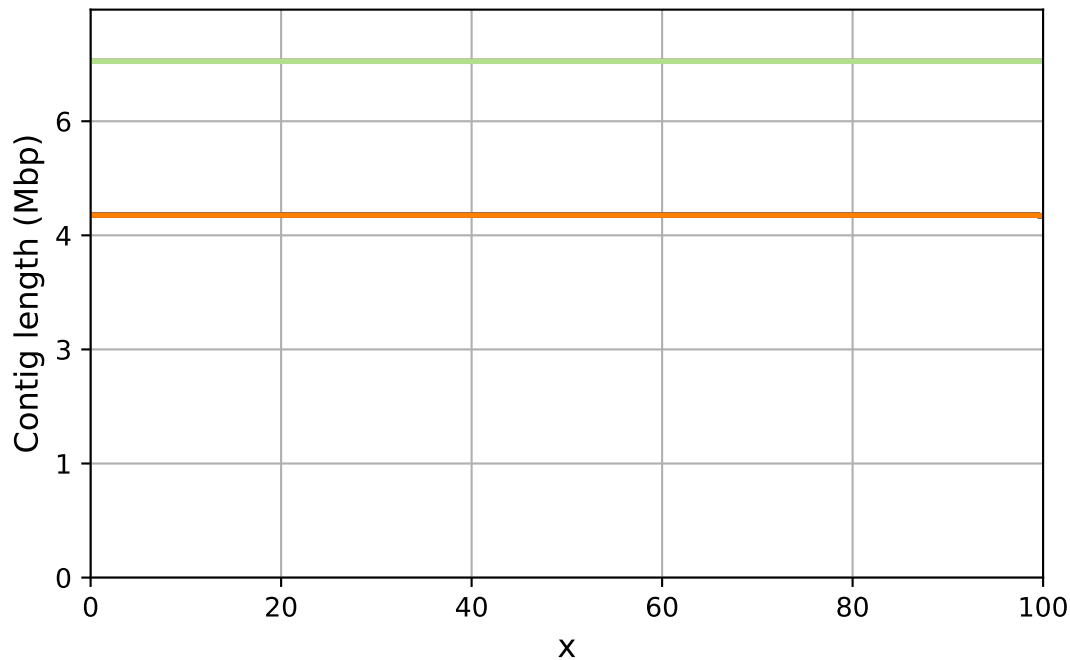
racon\_r1\_r10\_bins\_3

racon\_r2\_r10\_bins\_1

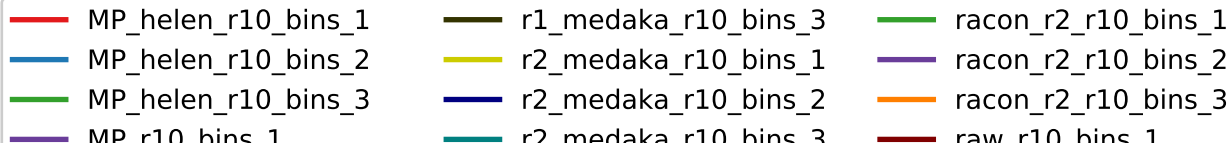
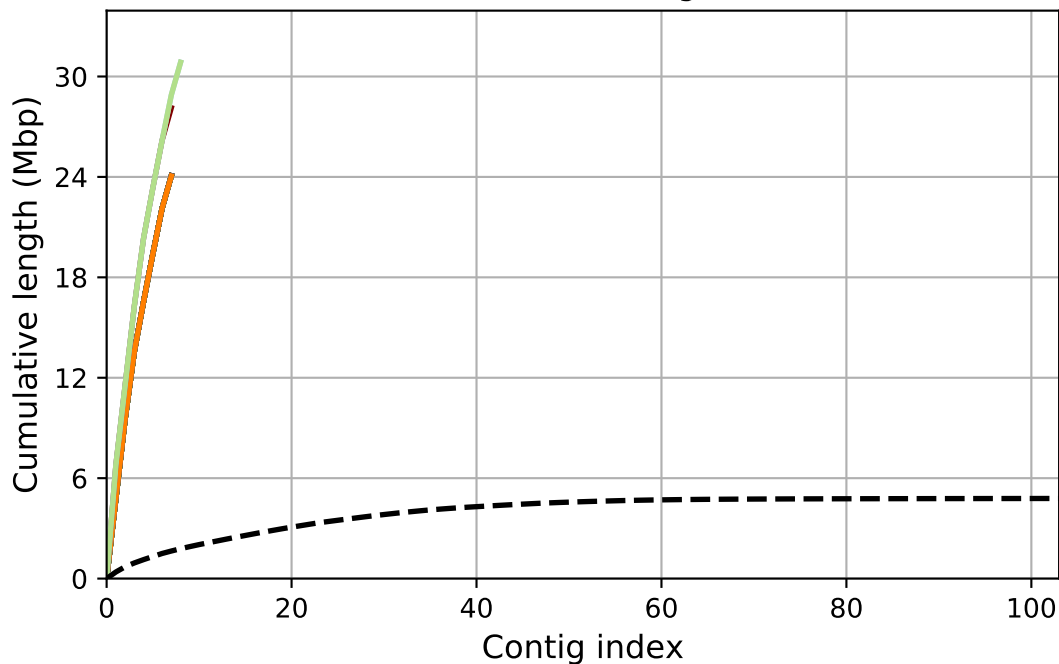
racon\_r2\_r10\_bins\_2

racon\_r2\_r10\_bins\_3

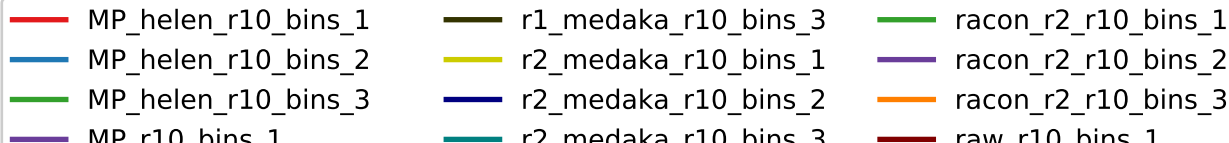
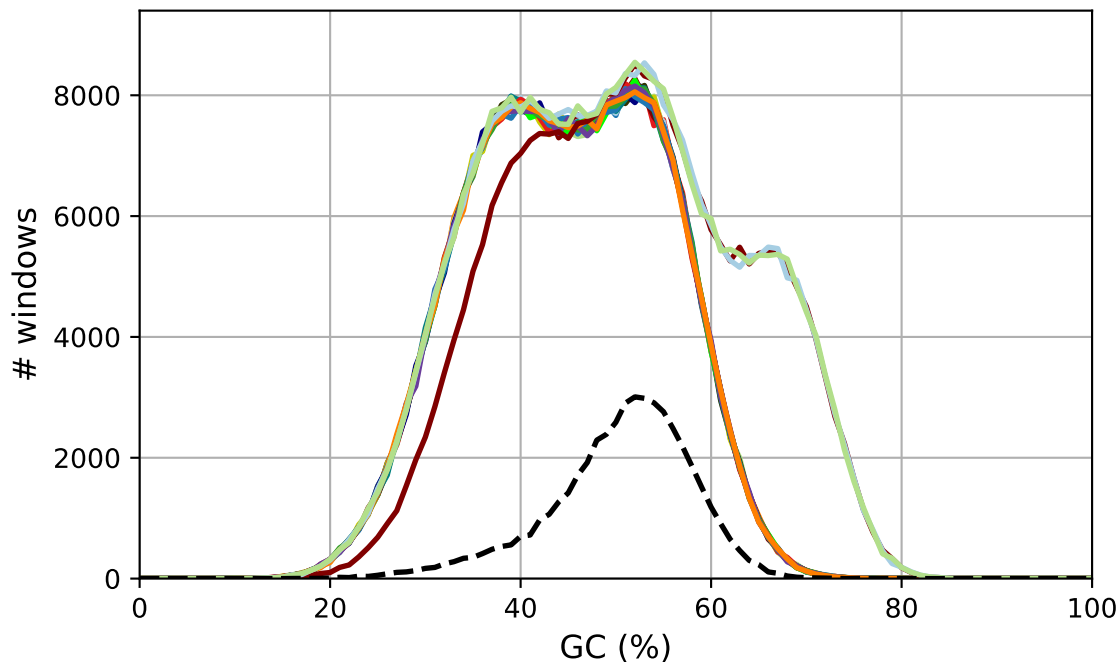
# NGx



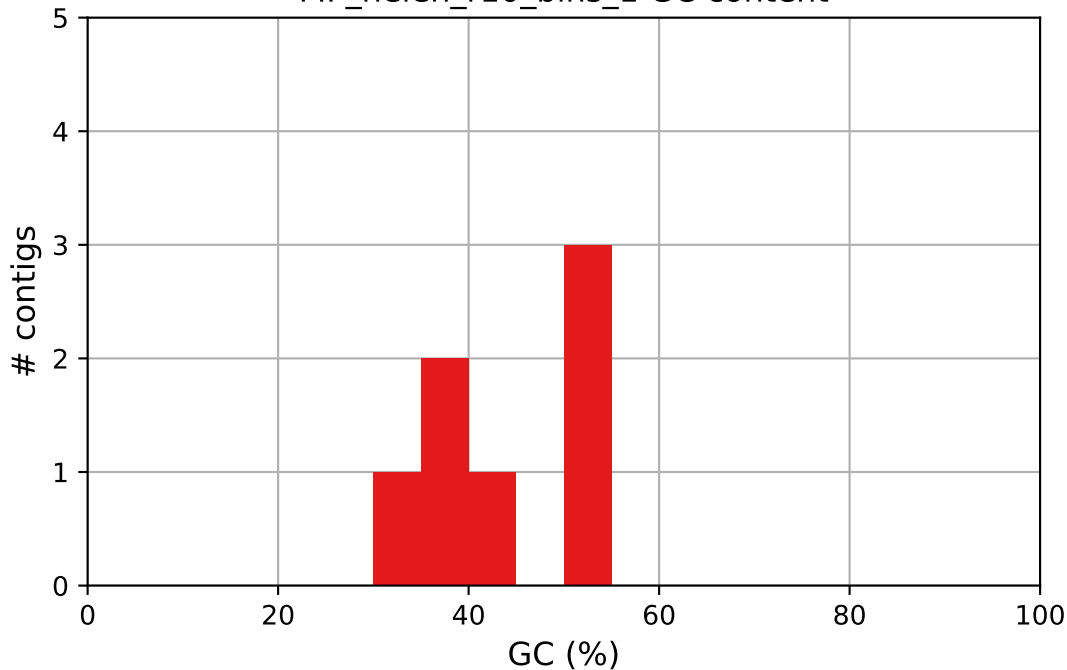
# Cumulative length



GC content



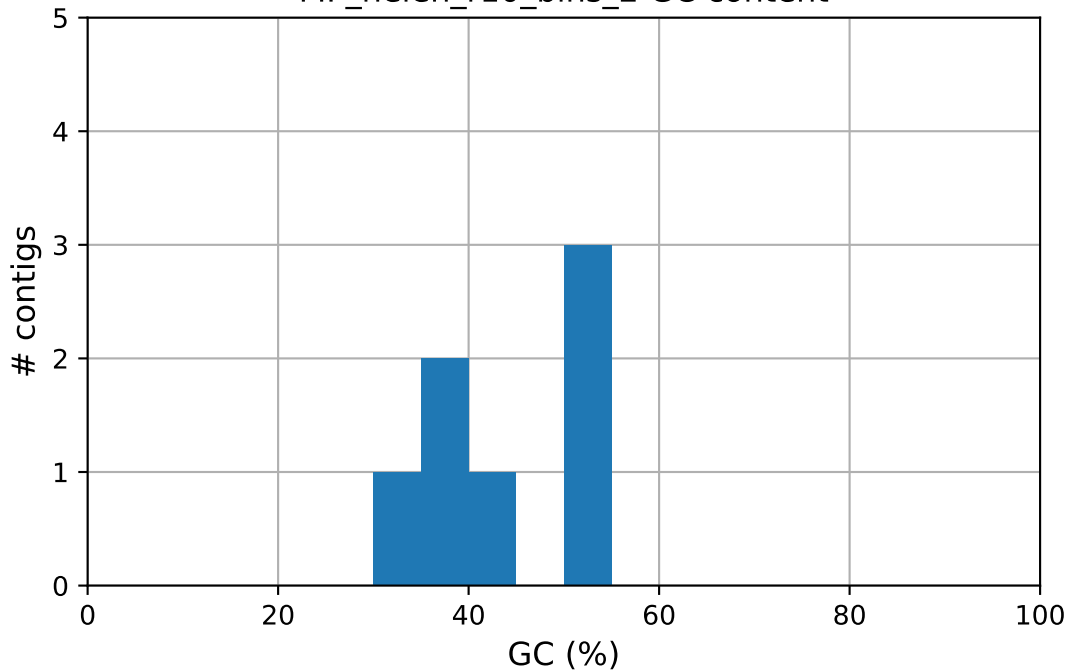
MP\_helen\_r10\_bins\_1 GC content



MP\_helen\_r10\_bins\_1

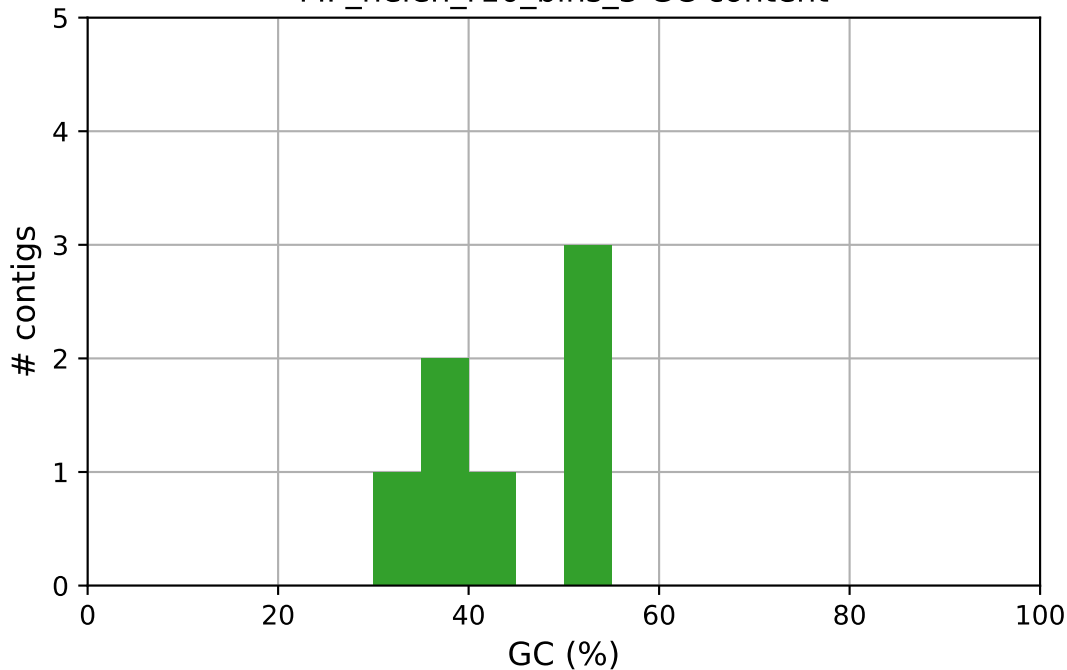


MP\_helen\_r10\_bins\_2 GC content



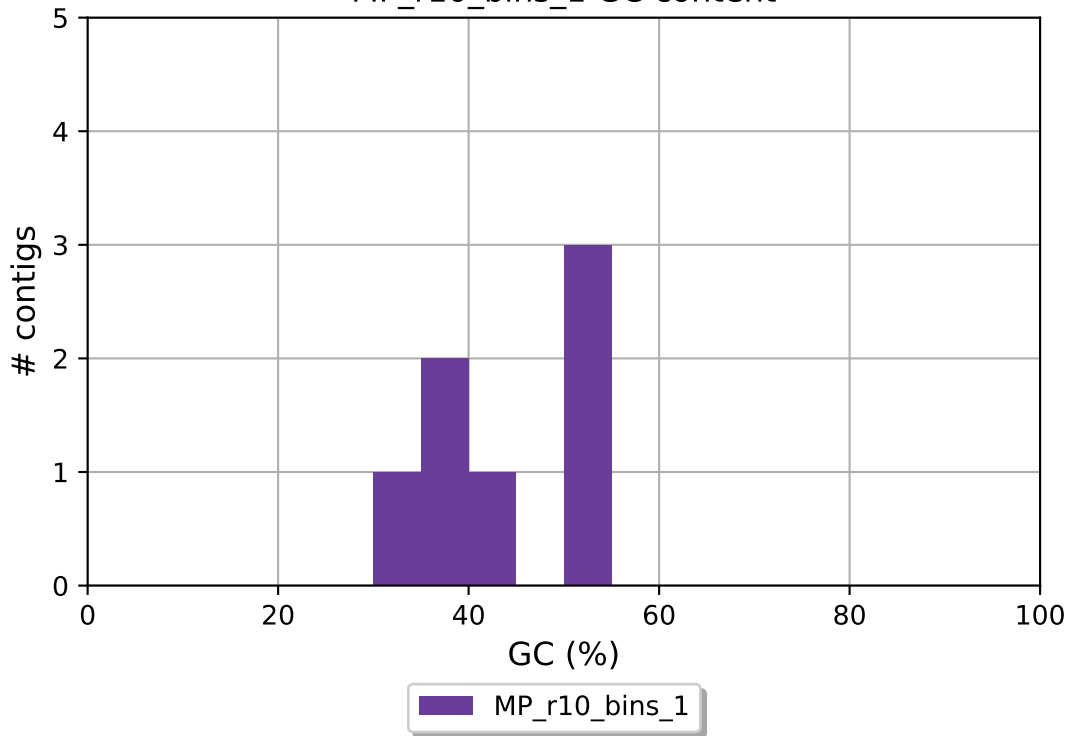
MP\_helen\_r10\_bins\_2

MP\_helen\_r10\_bins\_3 GC content

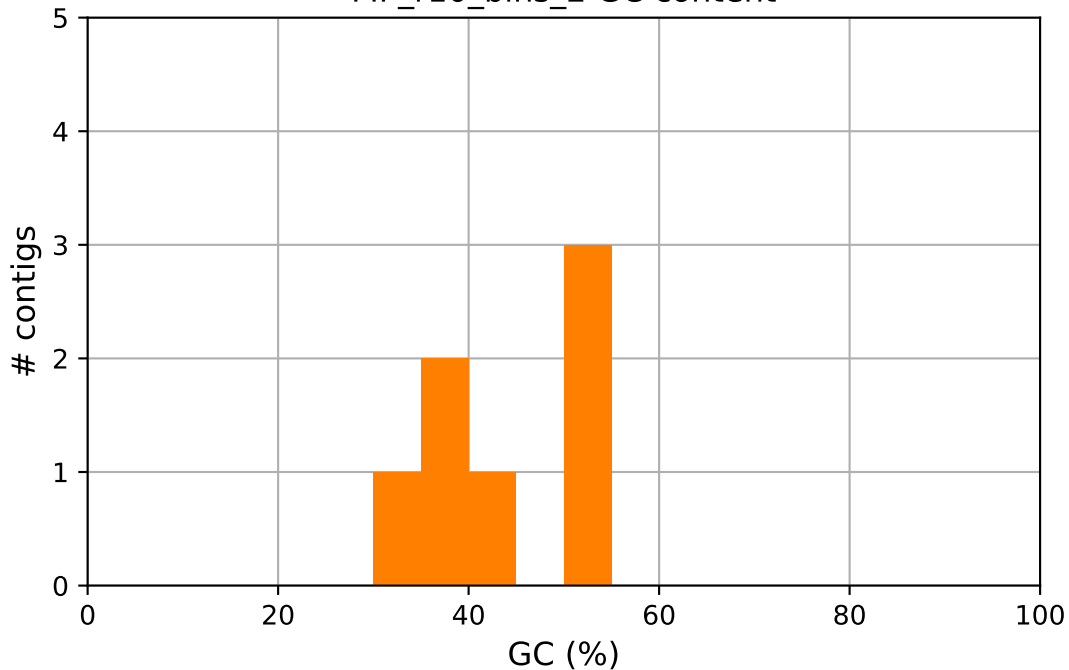


MP\_helen\_r10\_bins\_3

MP\_r10\_bins\_1 GC content

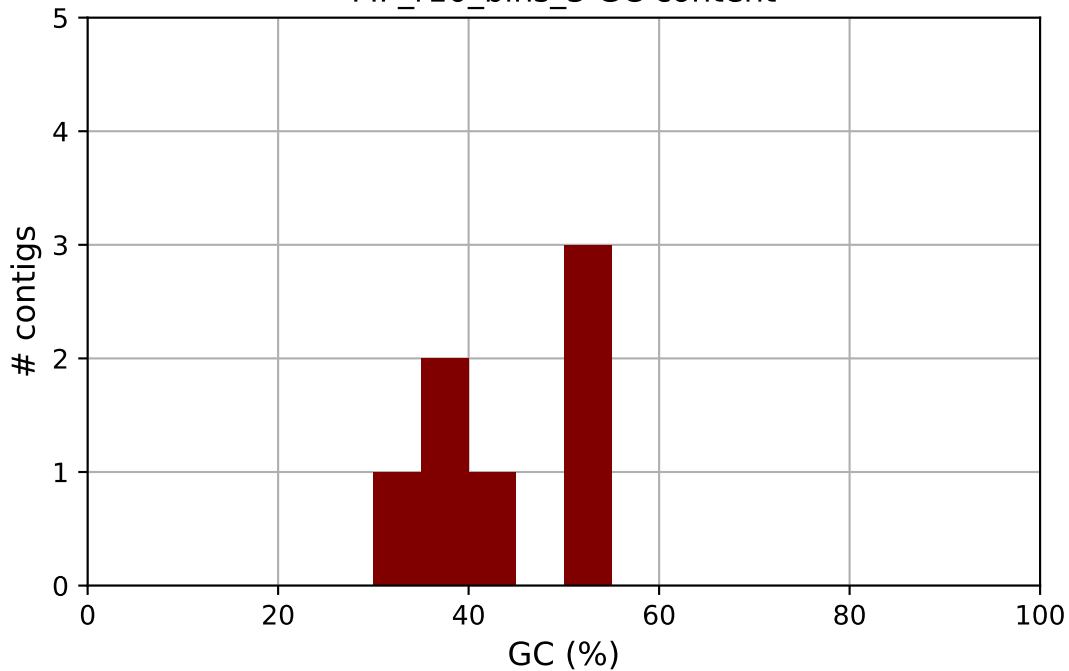


MP\_r10\_bins\_2 GC content



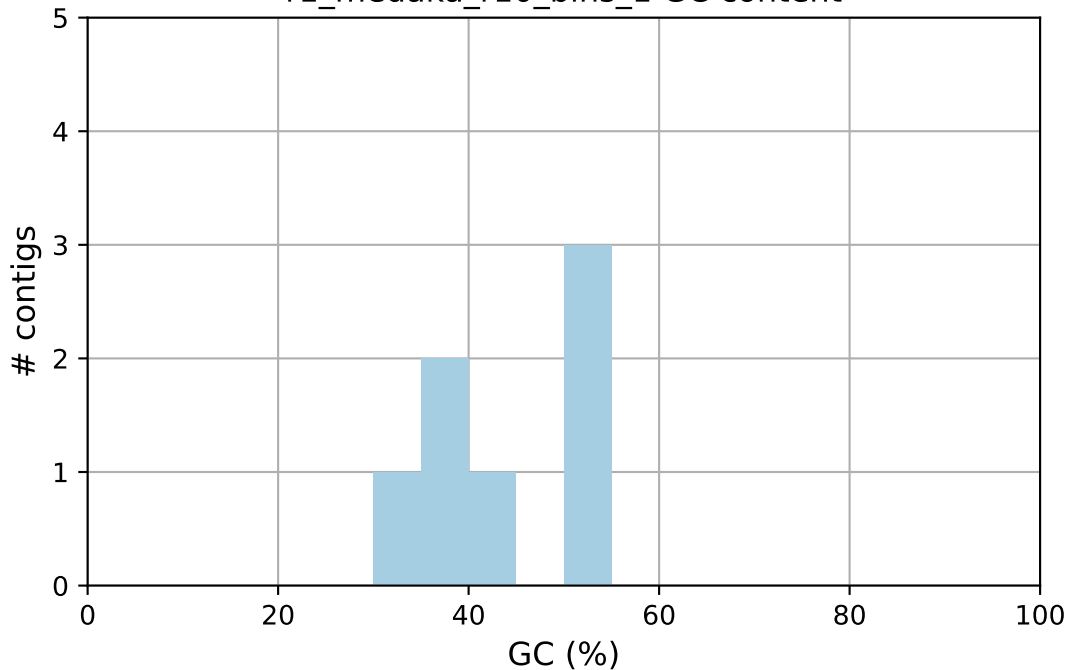
MP\_r10\_bins\_2

MP\_r10\_bins\_3 GC content



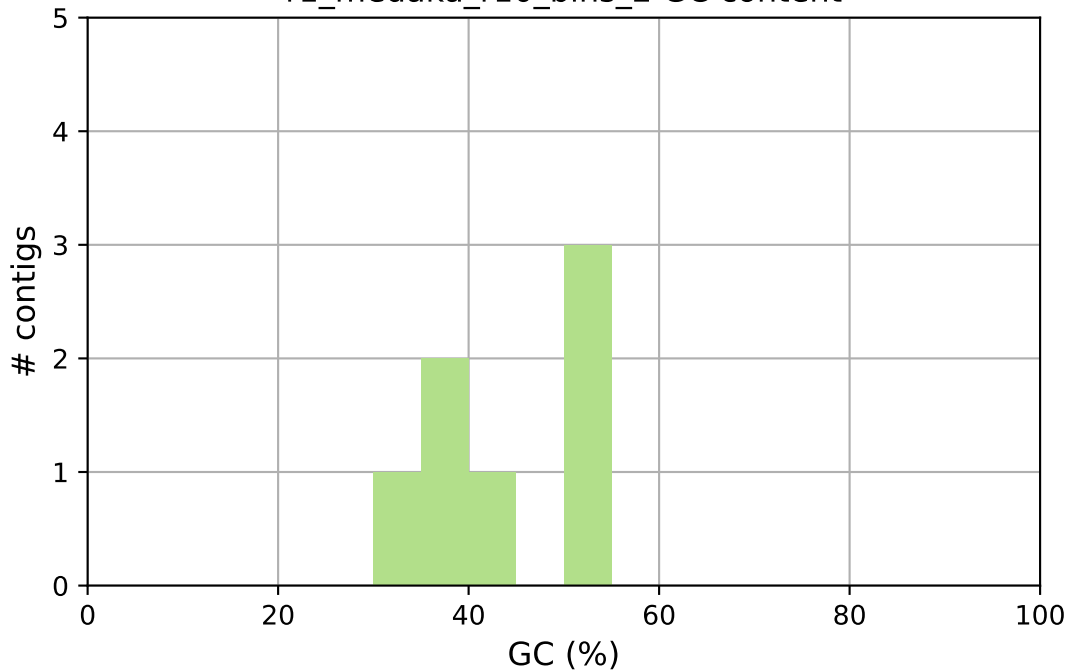
MP\_r10\_bins\_3

r1\_medaka\_r10\_bins\_1 GC content



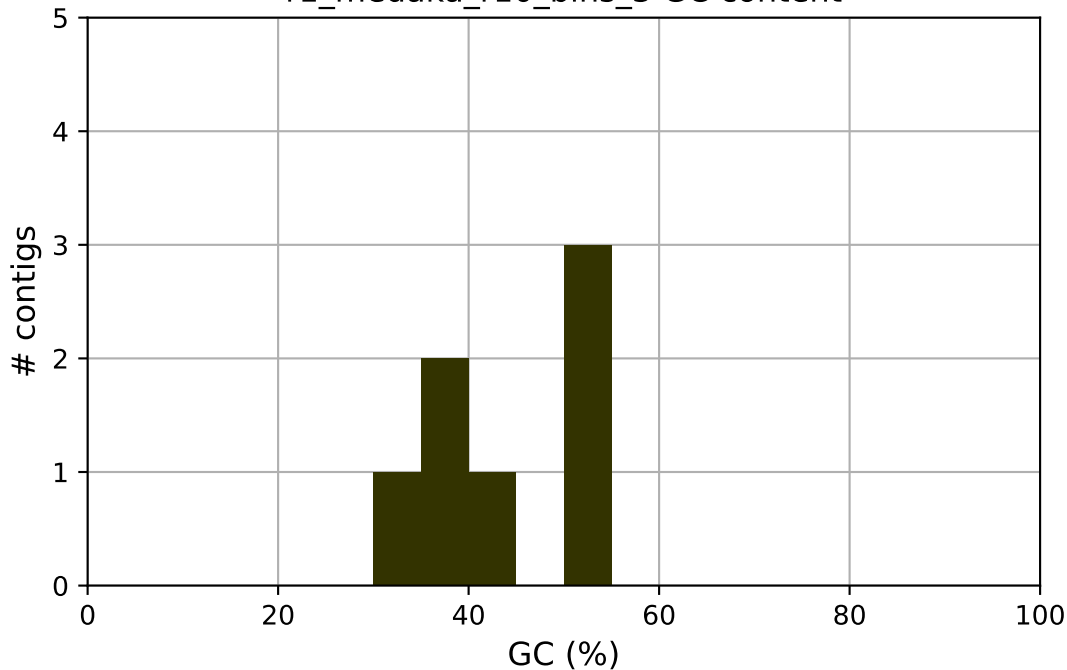
r1\_medaka\_r10\_bins\_1

r1\_medaka\_r10\_bins\_2 GC content



r1\_medaka\_r10\_bins\_2

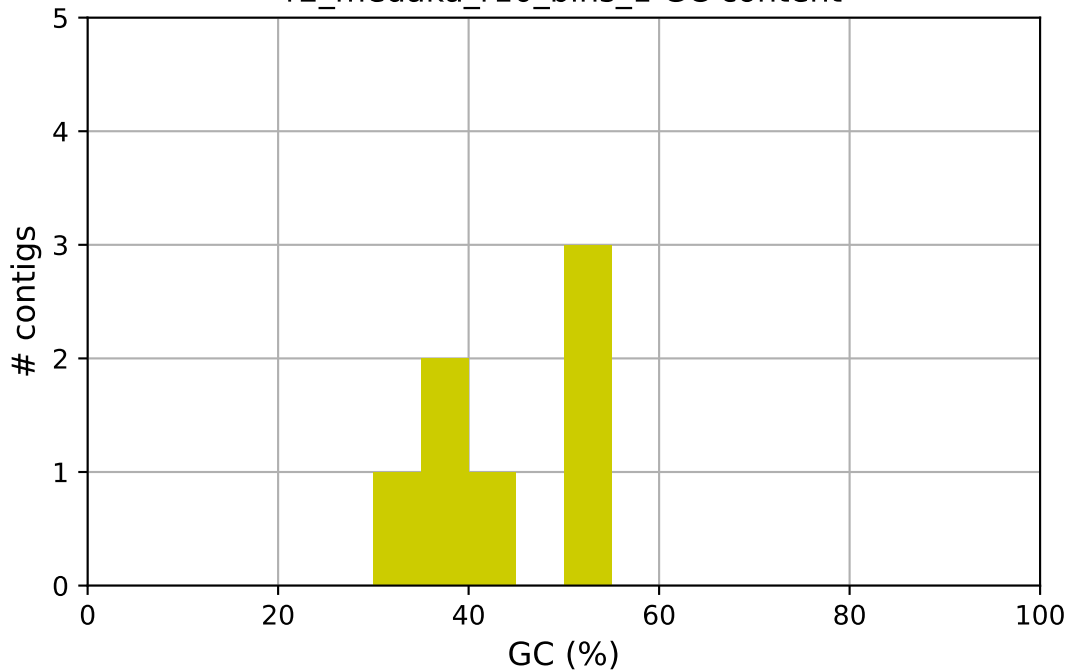
r1\_medaka\_r10\_bins\_3 GC content



r1\_medaka\_r10\_bins\_3

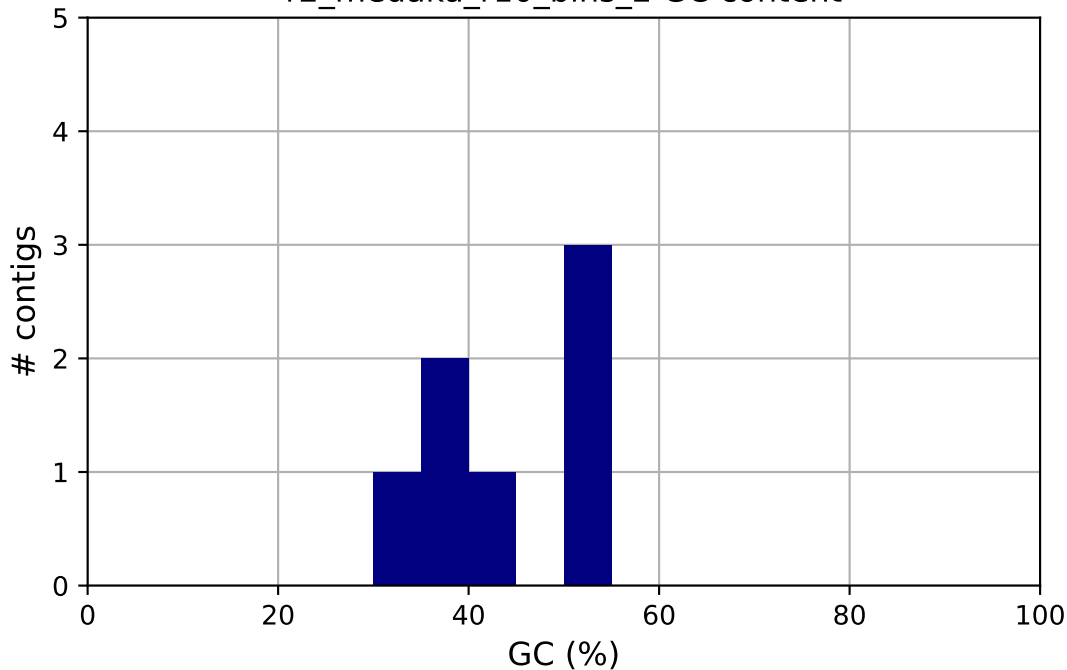


r2\_medaka\_r10\_bins\_1 GC content



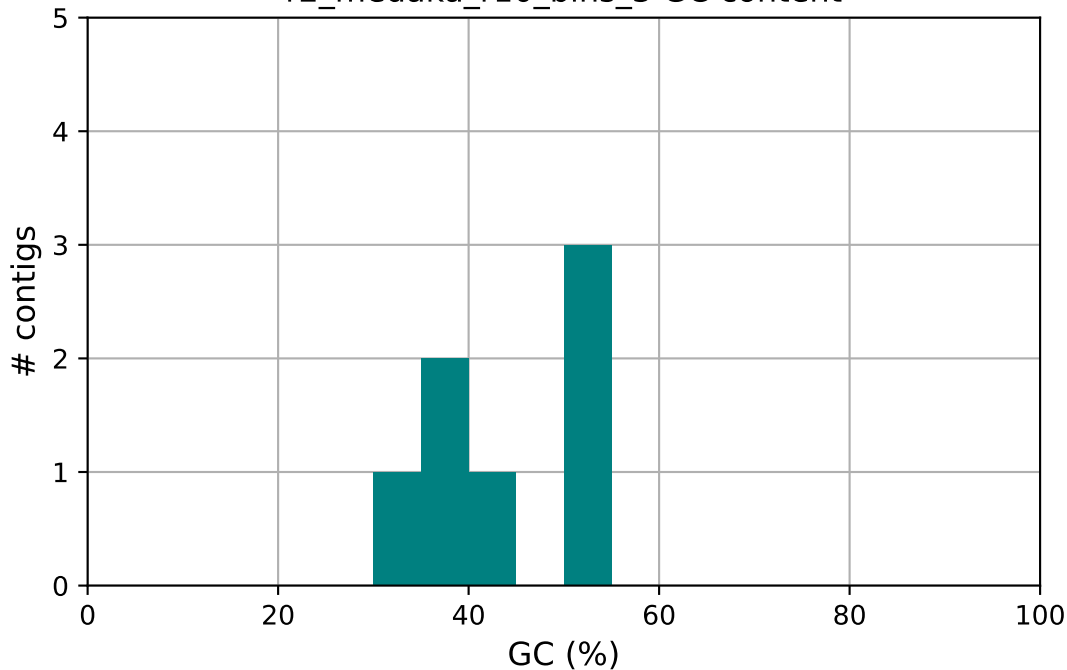
r2\_medaka\_r10\_bins\_1

r2\_medaka\_r10\_bins\_2 GC content



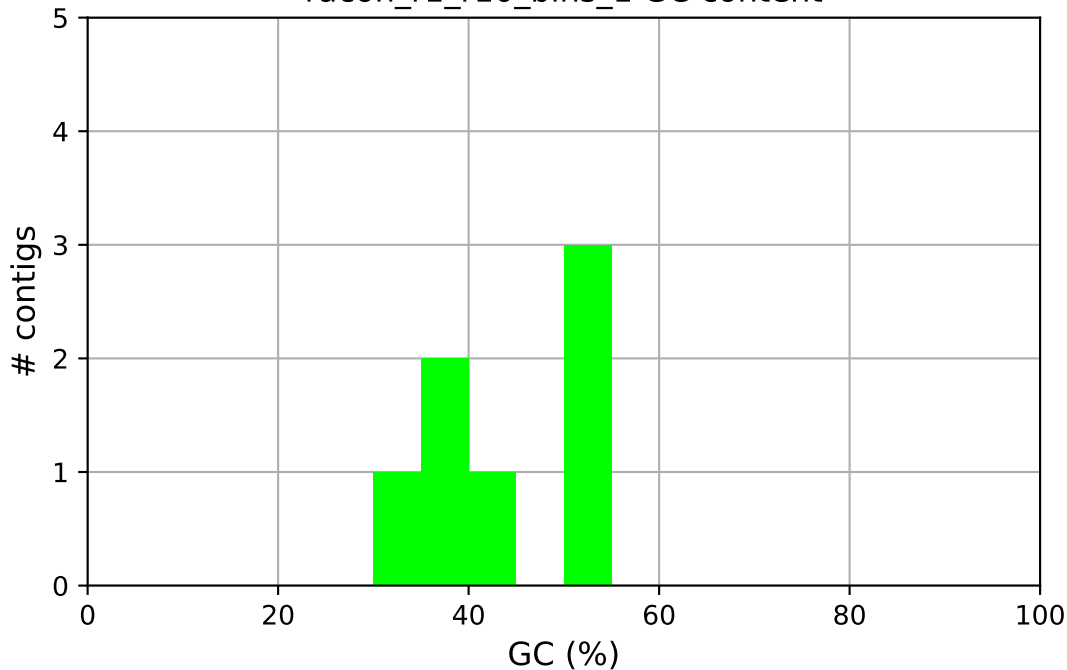
r2\_medaka\_r10\_bins\_2

r2\_medaka\_r10\_bins\_3 GC content



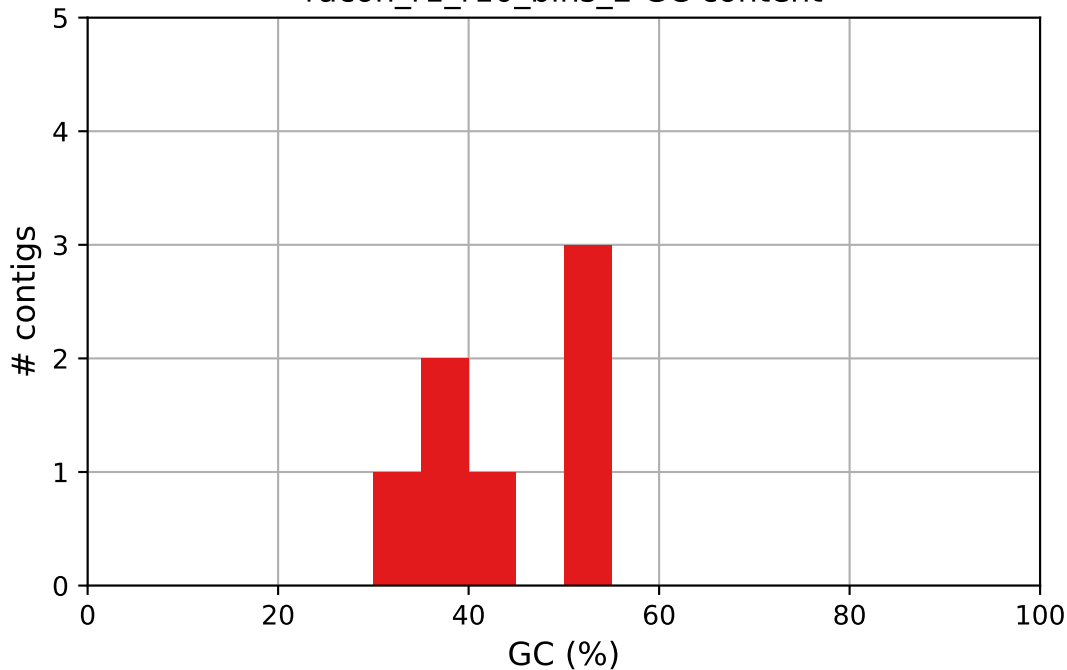
r2\_medaka\_r10\_bins\_3

racon\_r1\_r10\_bins\_1 GC content



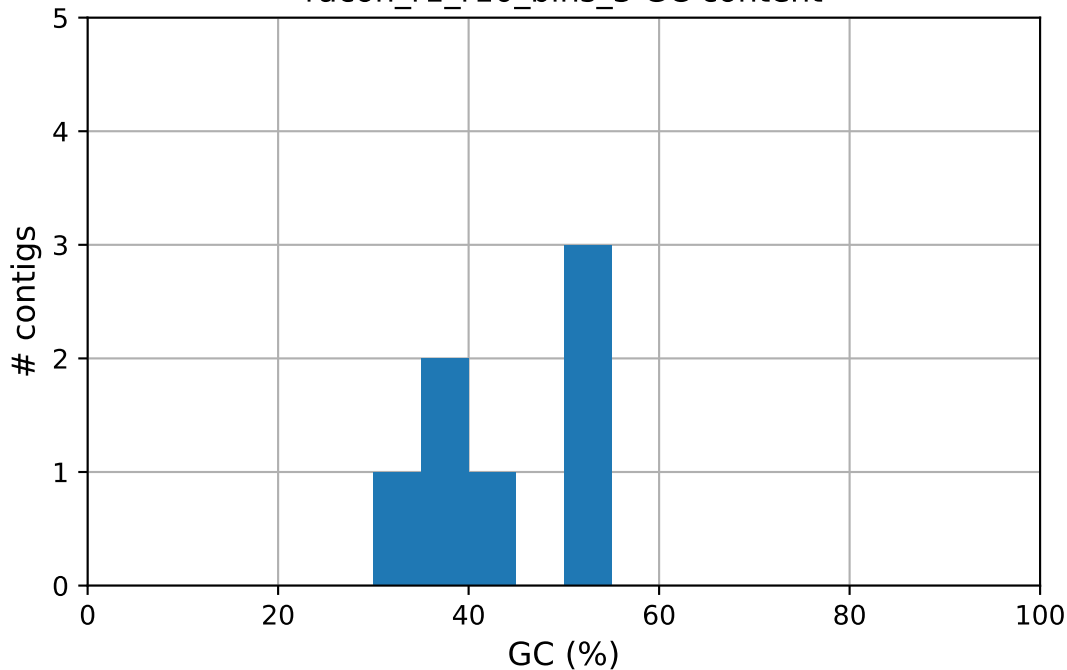
racon\_r1\_r10\_bins\_1

racon\_r1\_r10\_bins\_2 GC content



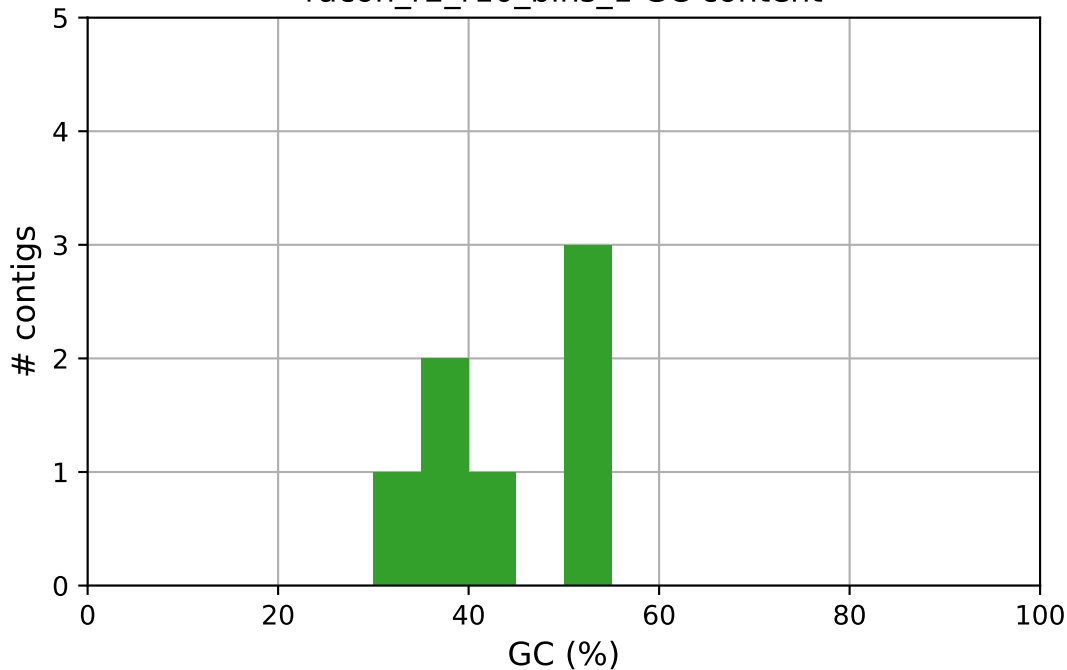
racon\_r1\_r10\_bins\_2

racon\_r1\_r10\_bins\_3 GC content



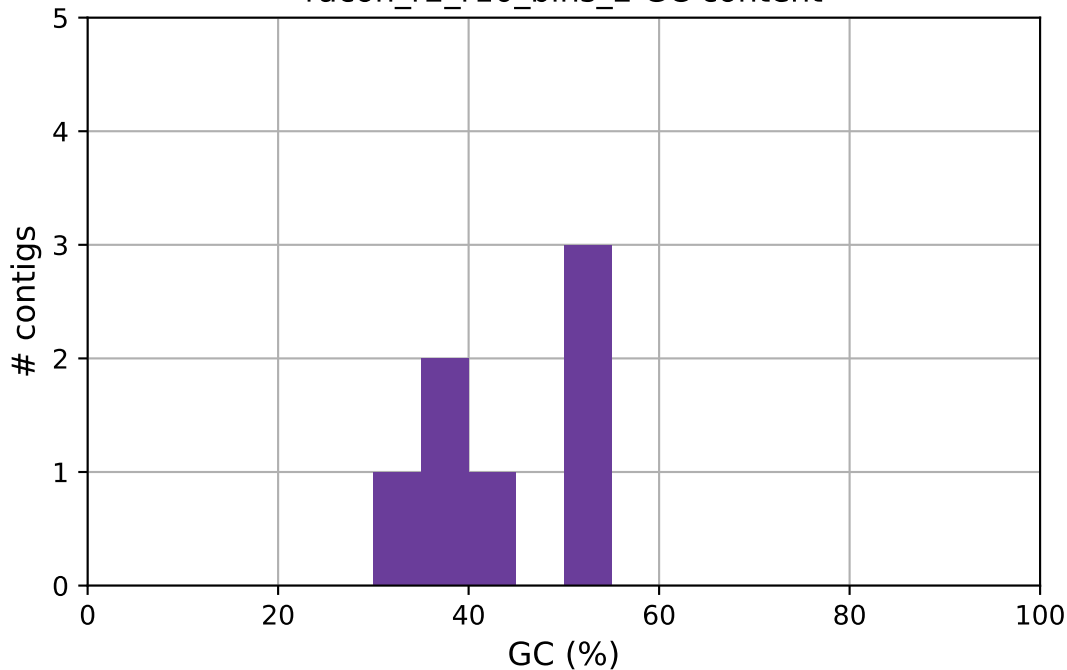
racon\_r1\_r10\_bins\_3

racon\_r2\_r10\_bins\_1 GC content



racon\_r2\_r10\_bins\_1

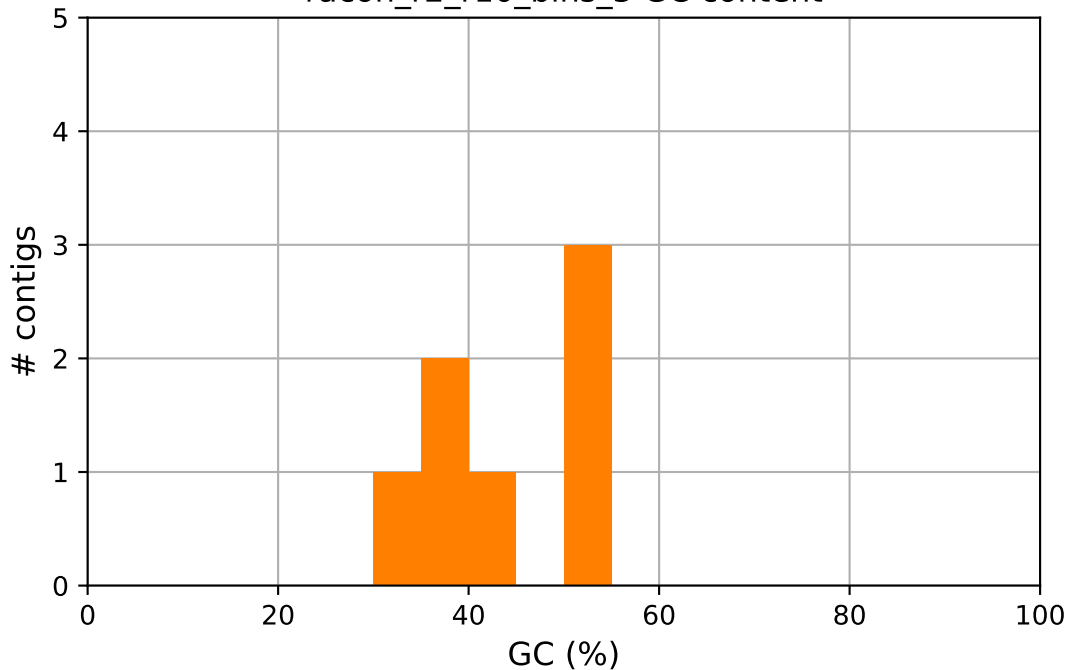
racon\_r2\_r10\_bins\_2 GC content



racon\_r2\_r10\_bins\_2

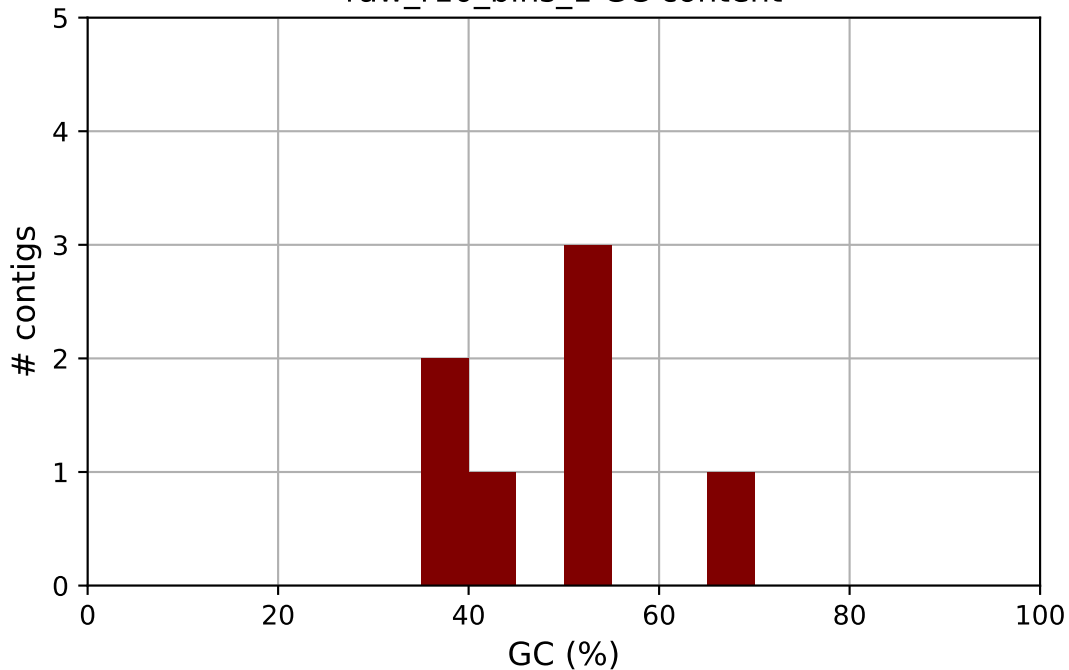


racon\_r2\_r10\_bins\_3 GC content



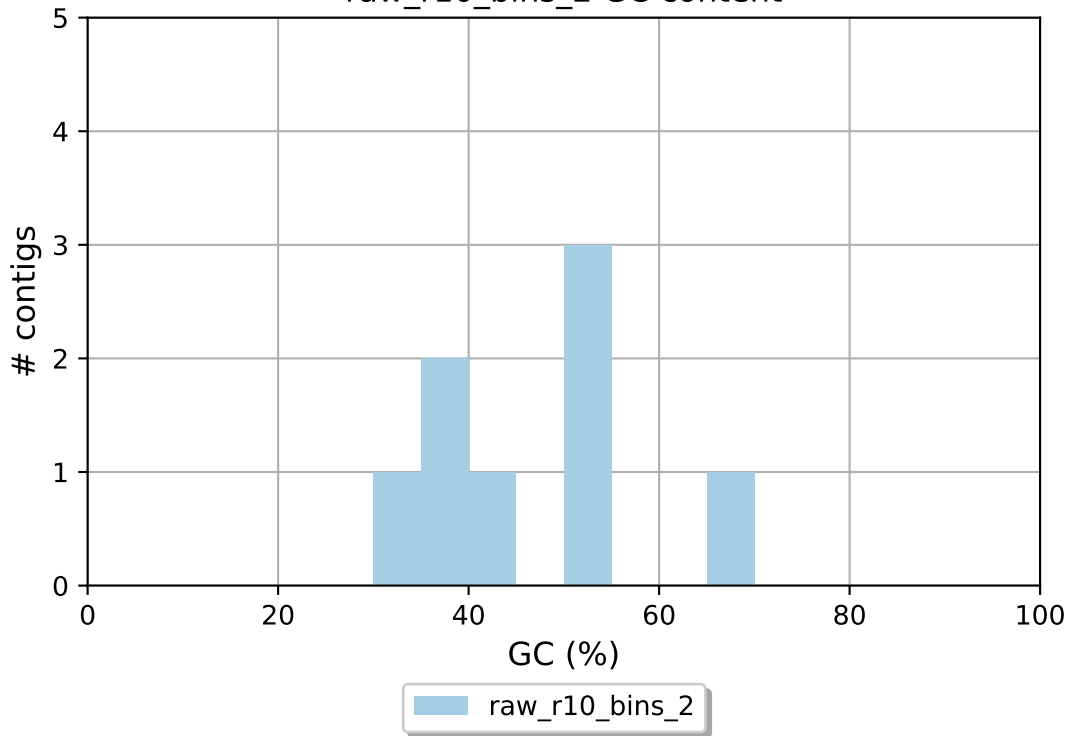
racon\_r2\_r10\_bins\_3

raw\_r10\_bins\_1 GC content

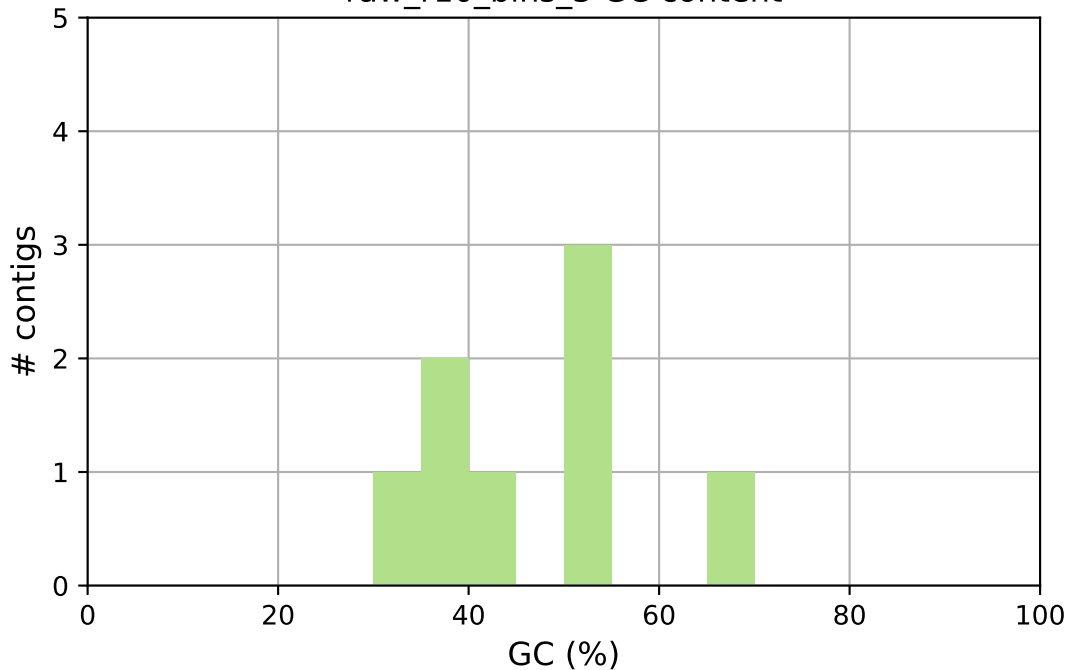


raw\_r10\_bins\_1

raw\_r10\_bins\_2 GC content

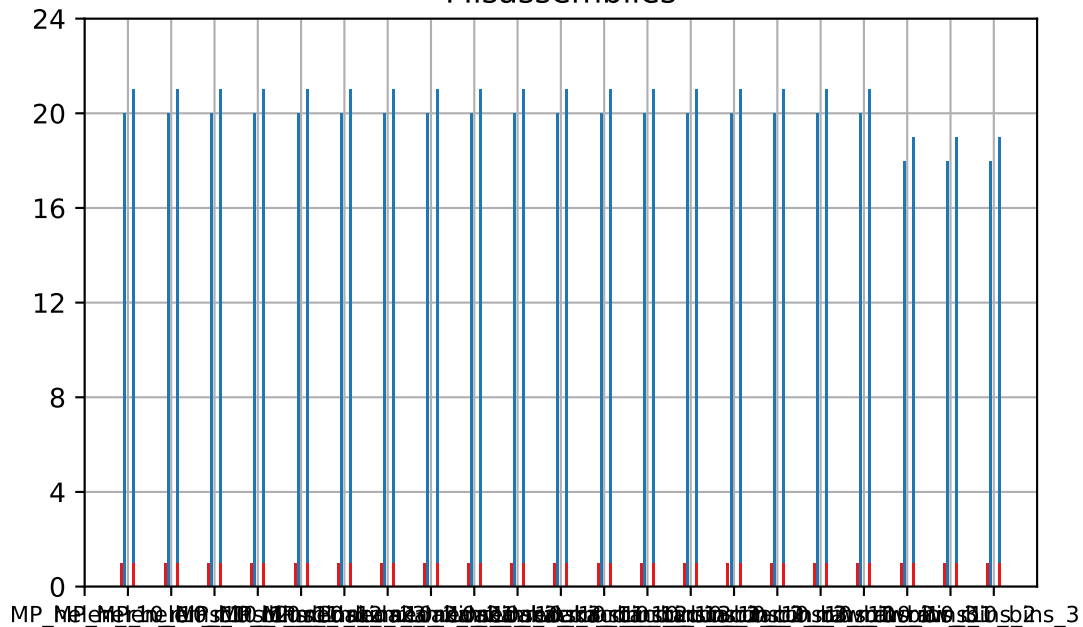


raw\_r10\_bins\_3 GC content



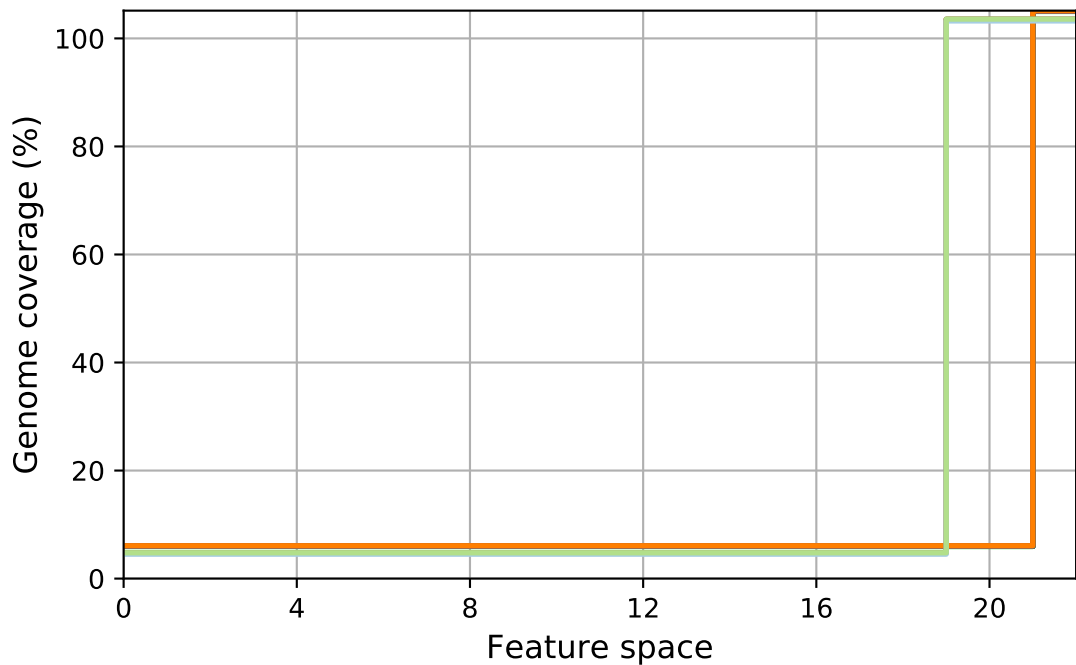
raw\_r10\_bins\_3

# Misassemblies



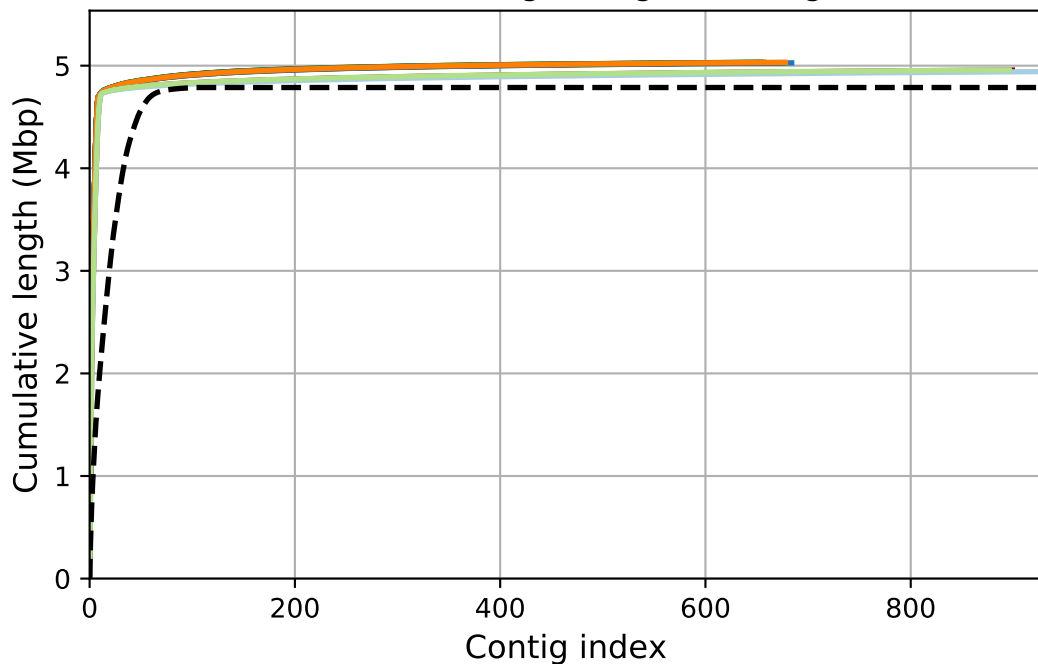
# relocations      # translocations

FRCurve (misassemblies)



- MP\_helen\_r10\_bins\_1
- MP\_helen\_r10\_bins\_2
- MP\_helen\_r10\_bins\_3
- MP\_r10\_bins\_1
- r1\_medaka\_r10\_bins\_2
- r1\_medaka\_r10\_bins\_3
- r2\_medaka\_r10\_bins\_1
- r2\_medaka\_r10\_bins\_2
- racon\_r1\_r10\_bins\_3
- racon\_r2\_r10\_bins\_1
- racon\_r2\_r10\_bins\_2
- racon\_r2\_r10\_bins\_3

Cumulative length (aligned contigs)



MP\_helen\_r10\_bins\_1

r1\_medaka\_r10\_bins\_3

racon\_r2\_r10\_bins\_1

MP\_helen\_r10\_bins\_2

r2\_medaka\_r10\_bins\_1

racon\_r2\_r10\_bins\_2

MP\_helen\_r10\_bins\_3

r2\_medaka\_r10\_bins\_2

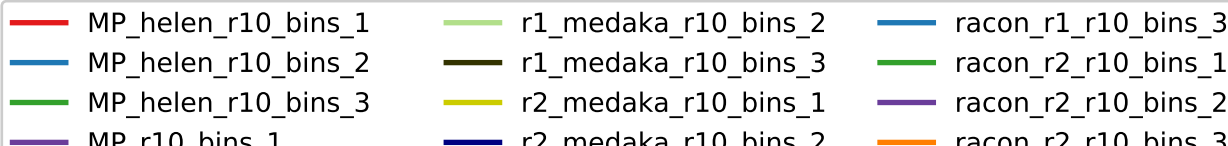
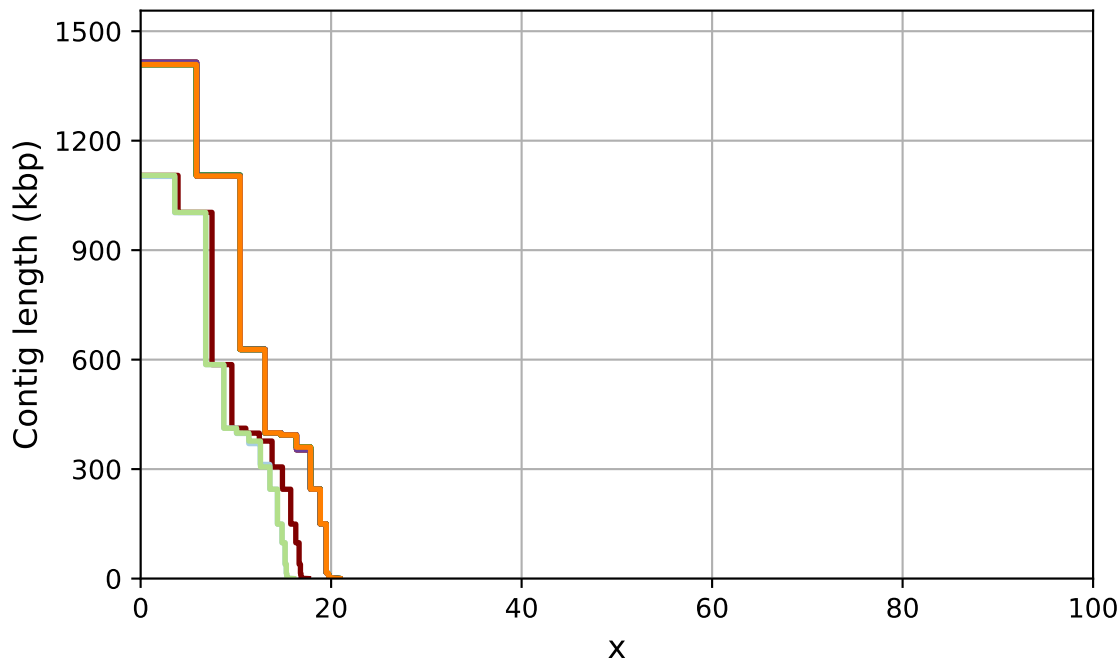
racon\_r2\_r10\_bins\_3

MP\_r10\_bins\_1

r2\_medaka\_r10\_bins\_3

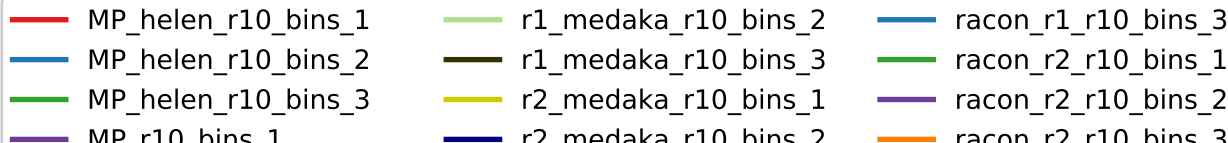
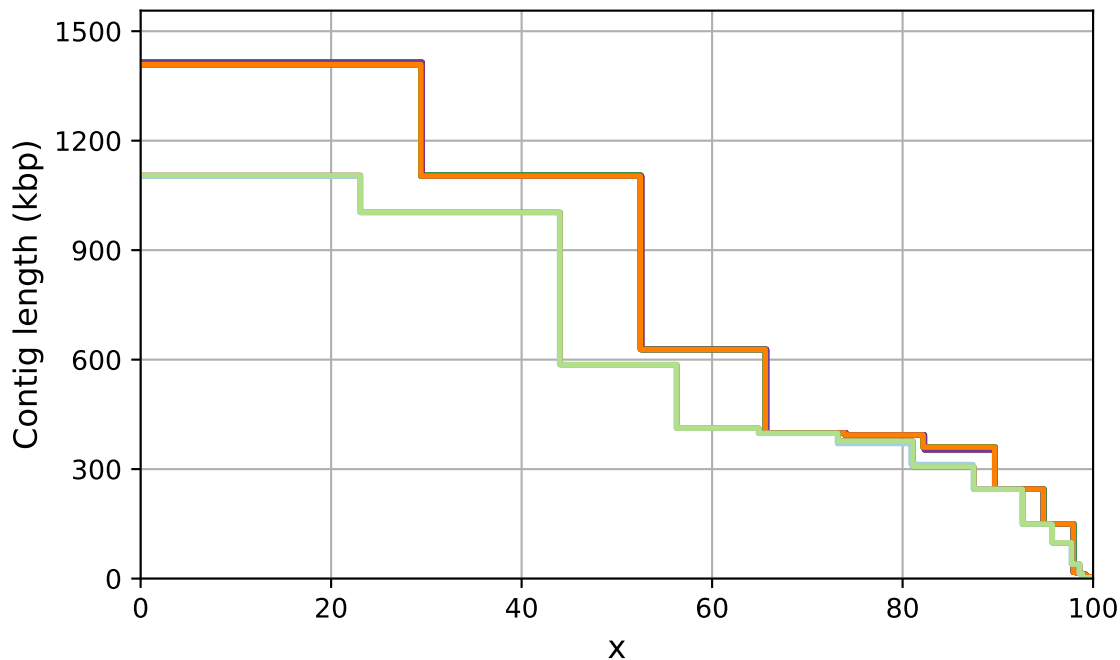
raw\_r10\_bins\_1

NAx





# NGAx



Genome fraction, %

