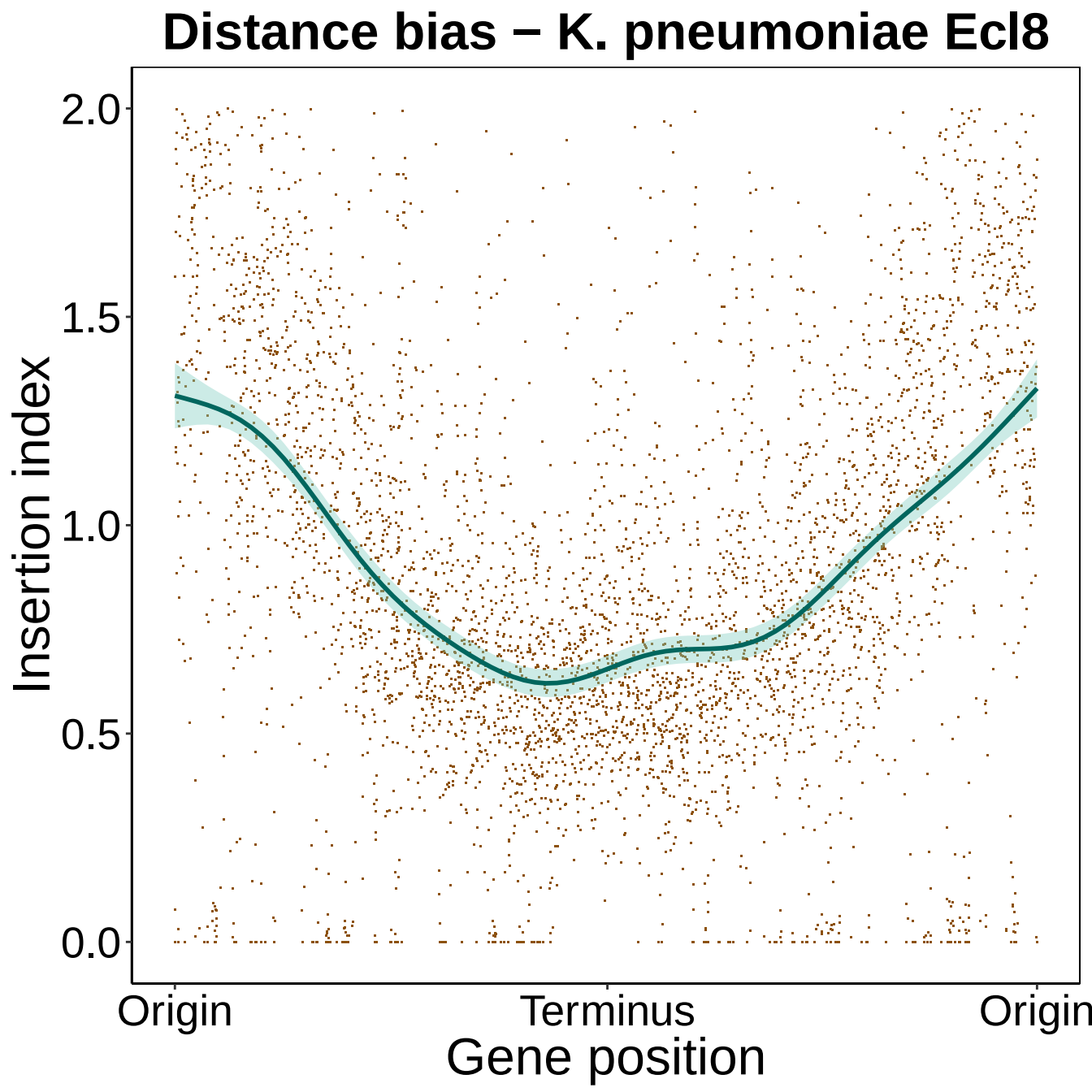
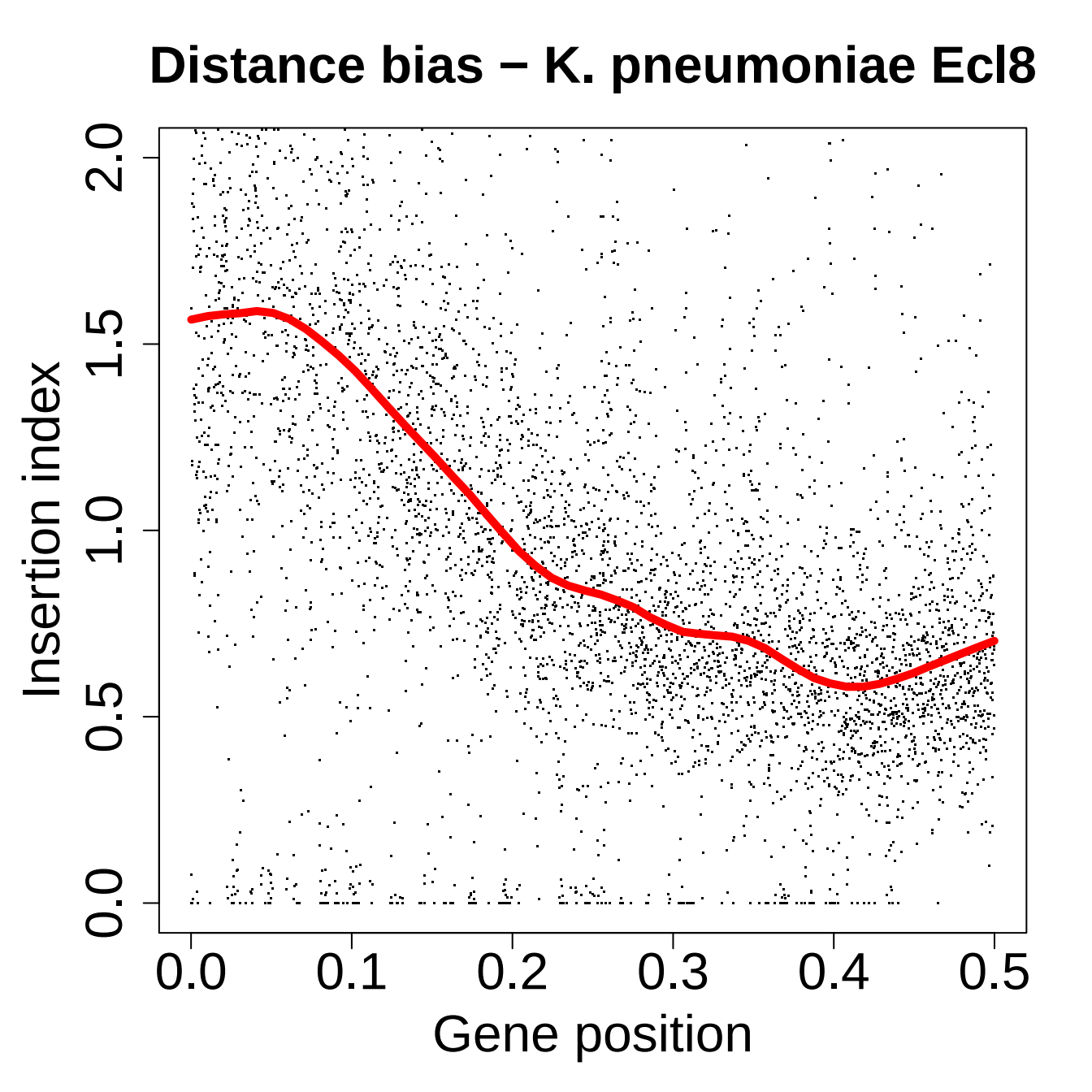
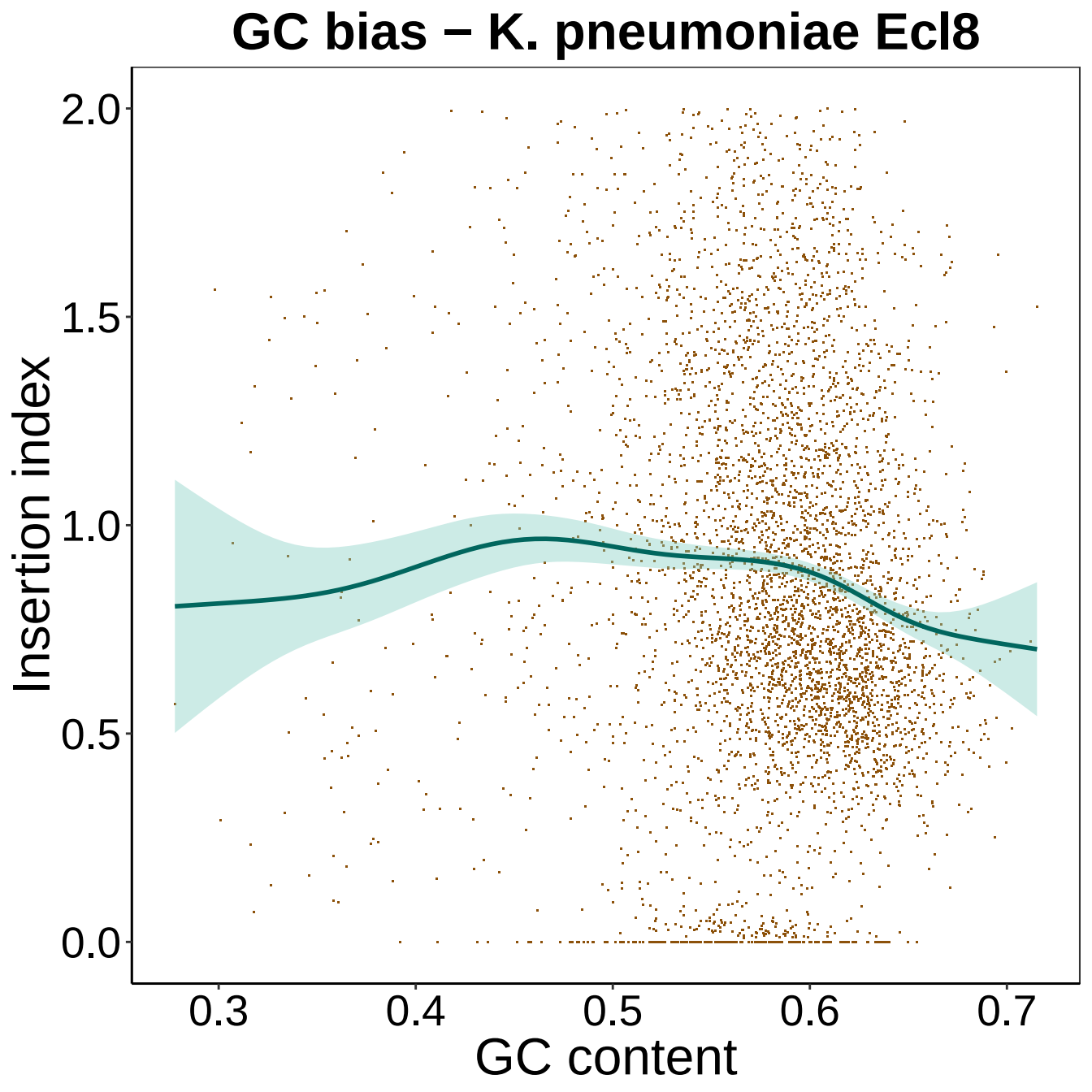
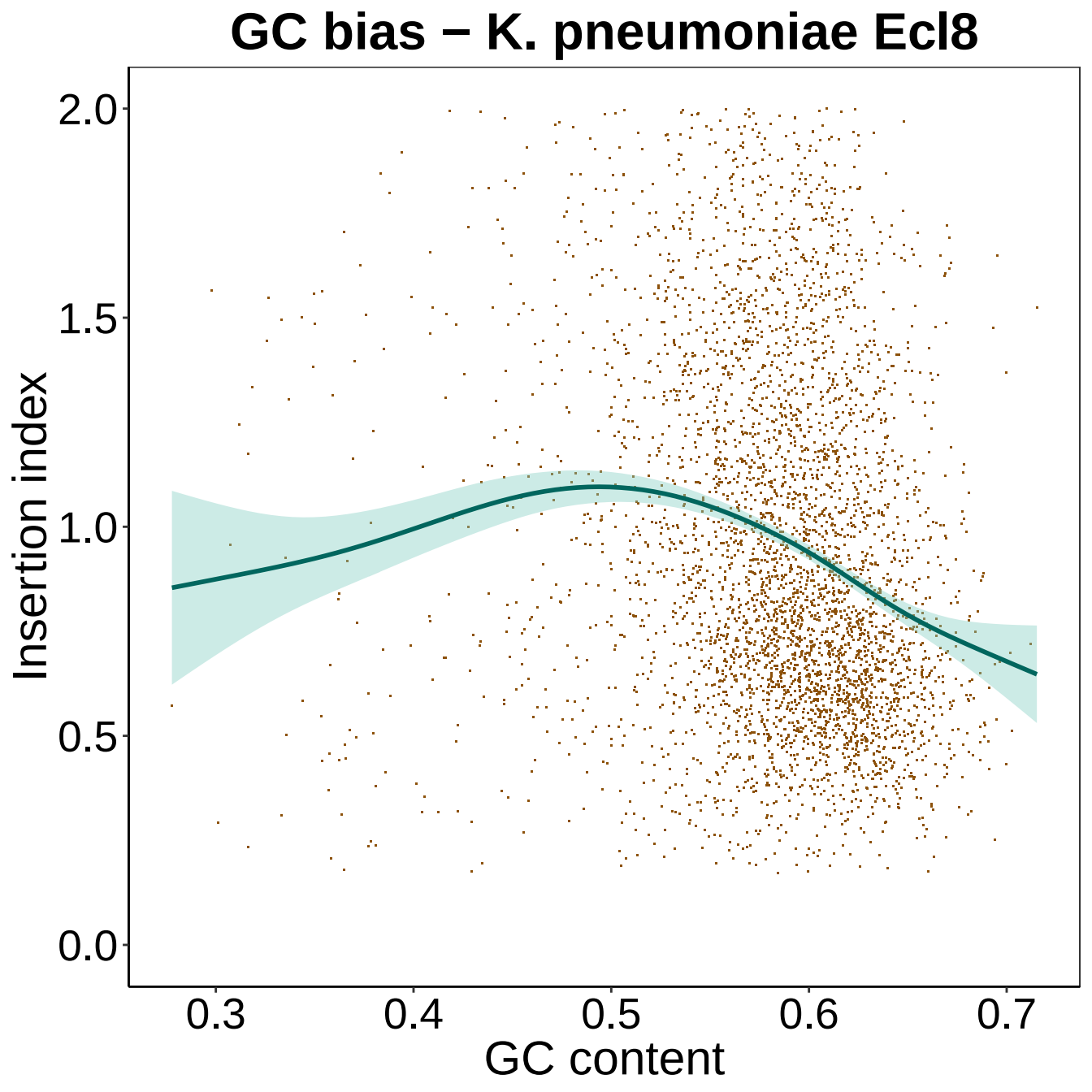
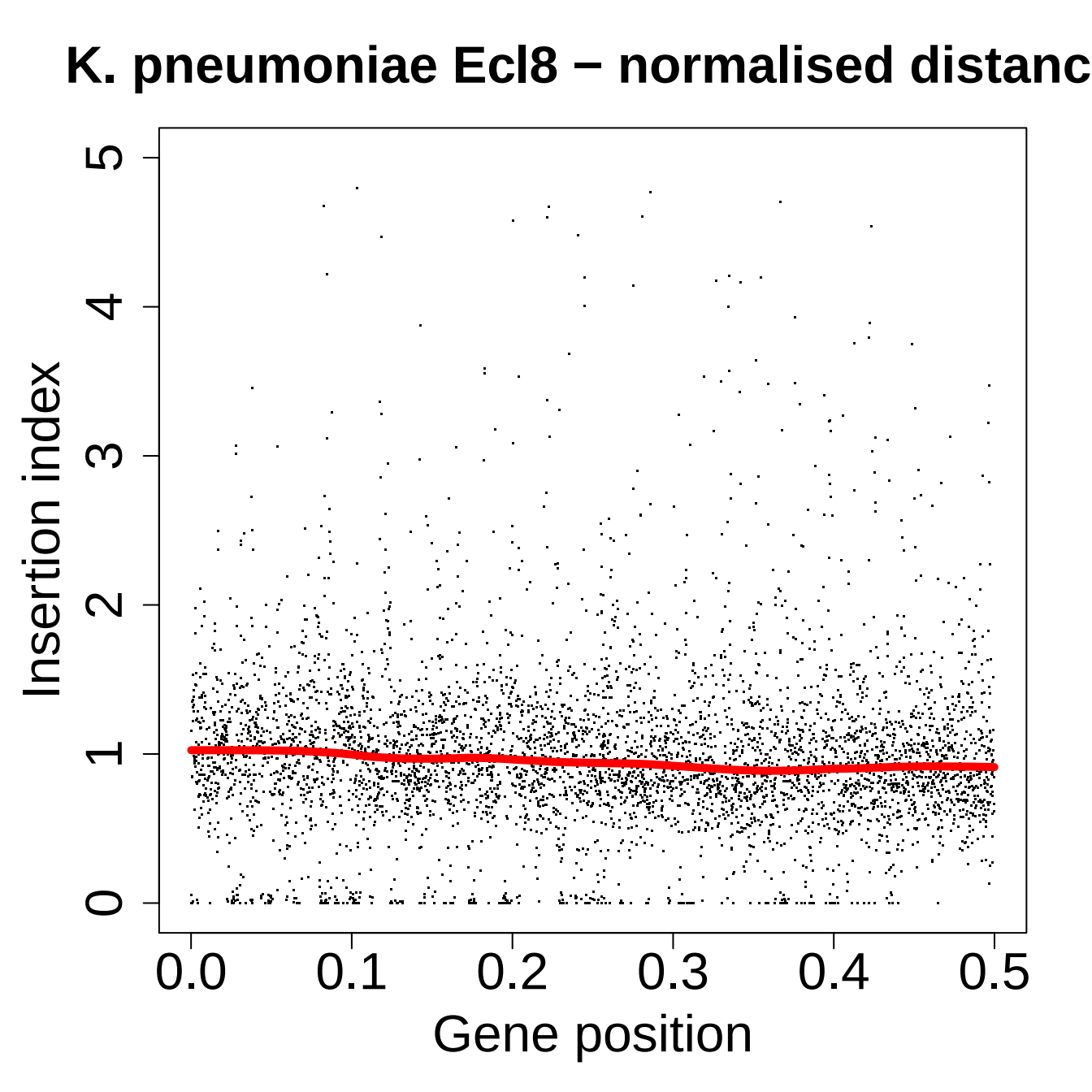
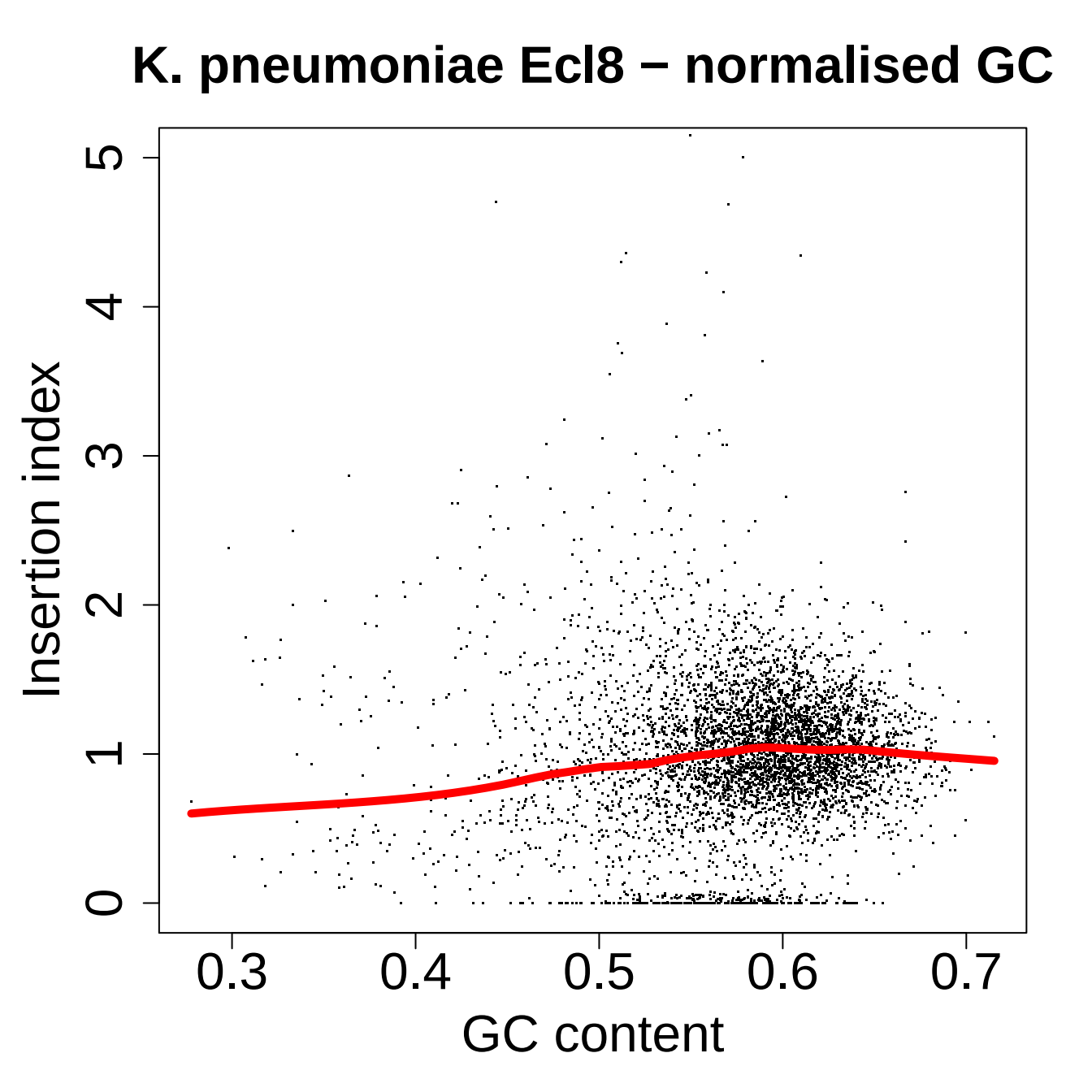

Distance bias – K. pneumoniae Ecl8
2.0
1.5
1.0
0.5
0.0
Insertion index
Origin
Terminus
Origin
Gene position

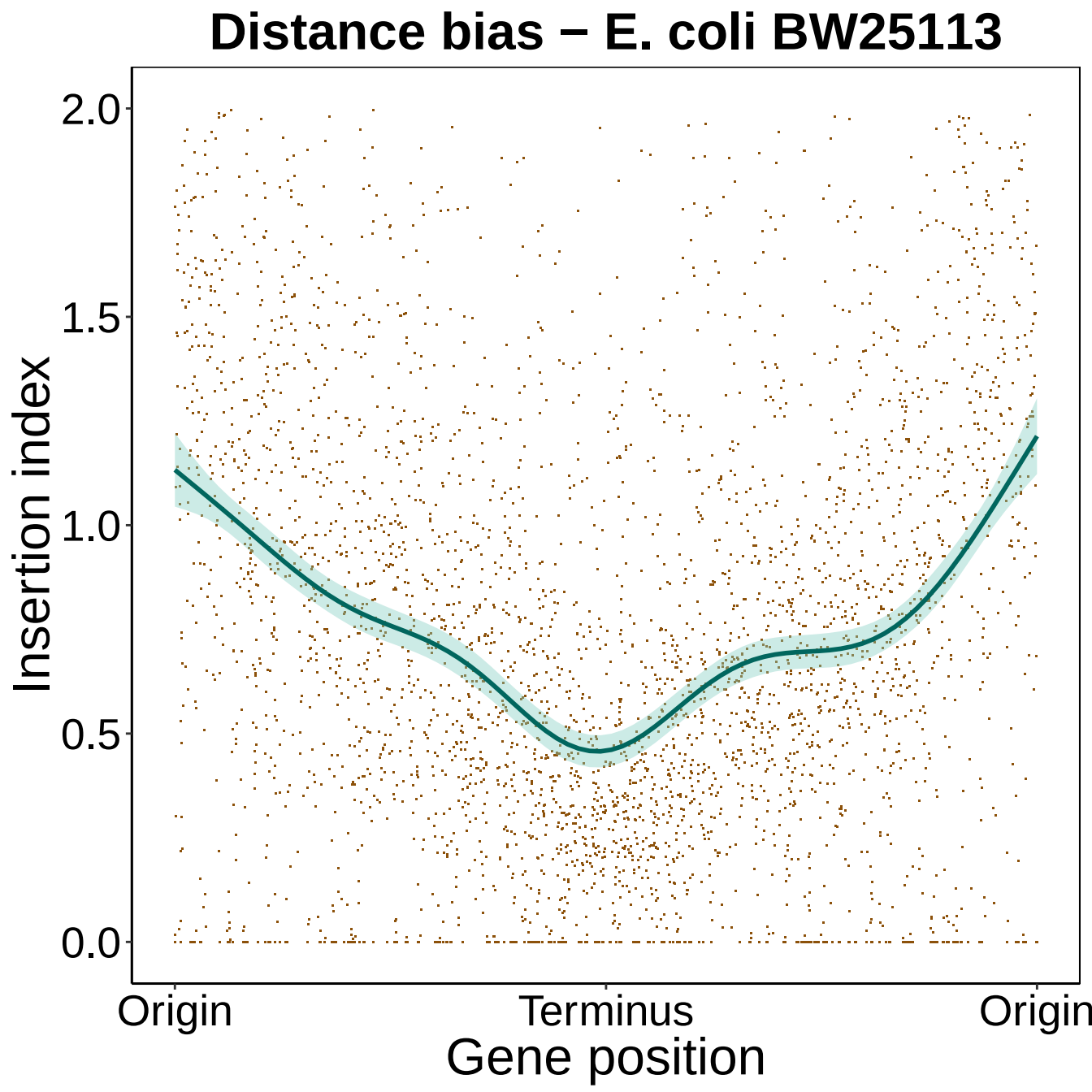

Distance bias – K. pneumoniae Ecl8
Insertion index
0.0
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

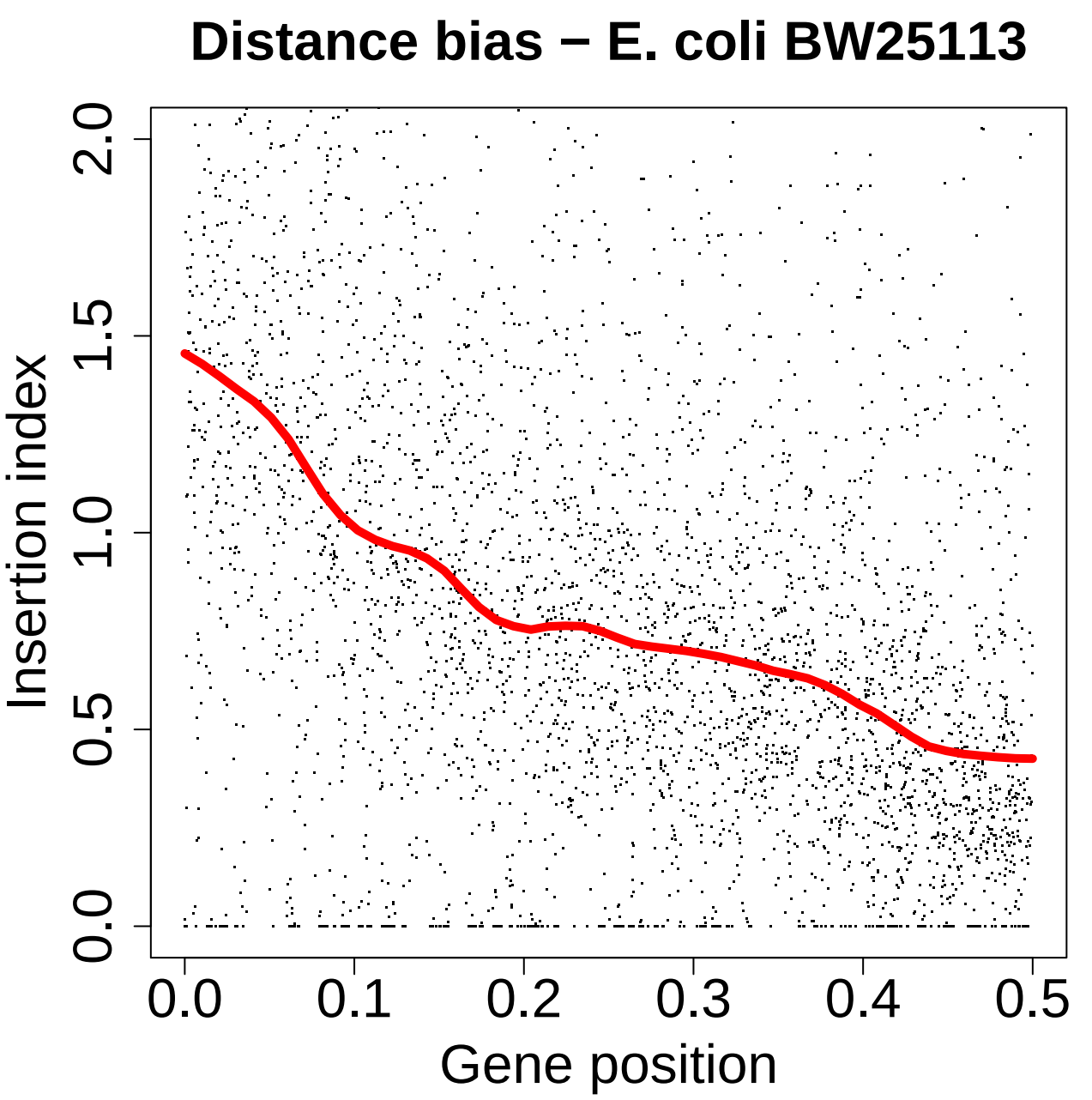

GC bias – K. pneumoniae Ecl8
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content

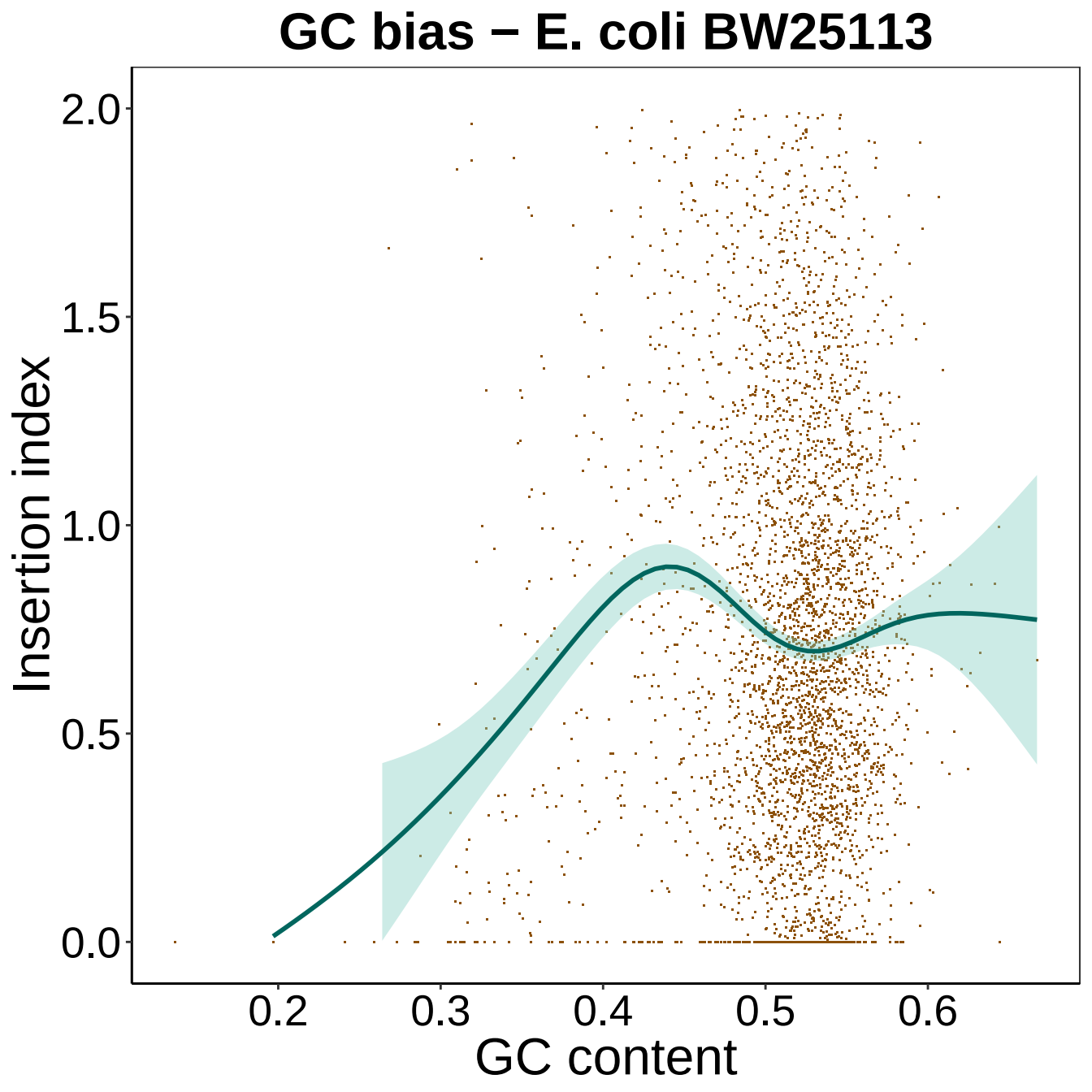

GC bias – K. pneumoniae Ecl8
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content


K. pneumoniae Ecl8 − normalised distanc
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


K. pneumoniae Ecl8 − normalised GC
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
0.7
GC content


Distance bias – E. coli BW25113
Insertion index
2.0
1.5
1.0
0.5
0.0
Origin
Terminus
Origin
Gene position


Distance bias – E. coli BW25113
Insertion index
0.0
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


GC bias – E. coli BW25113
Insertion index
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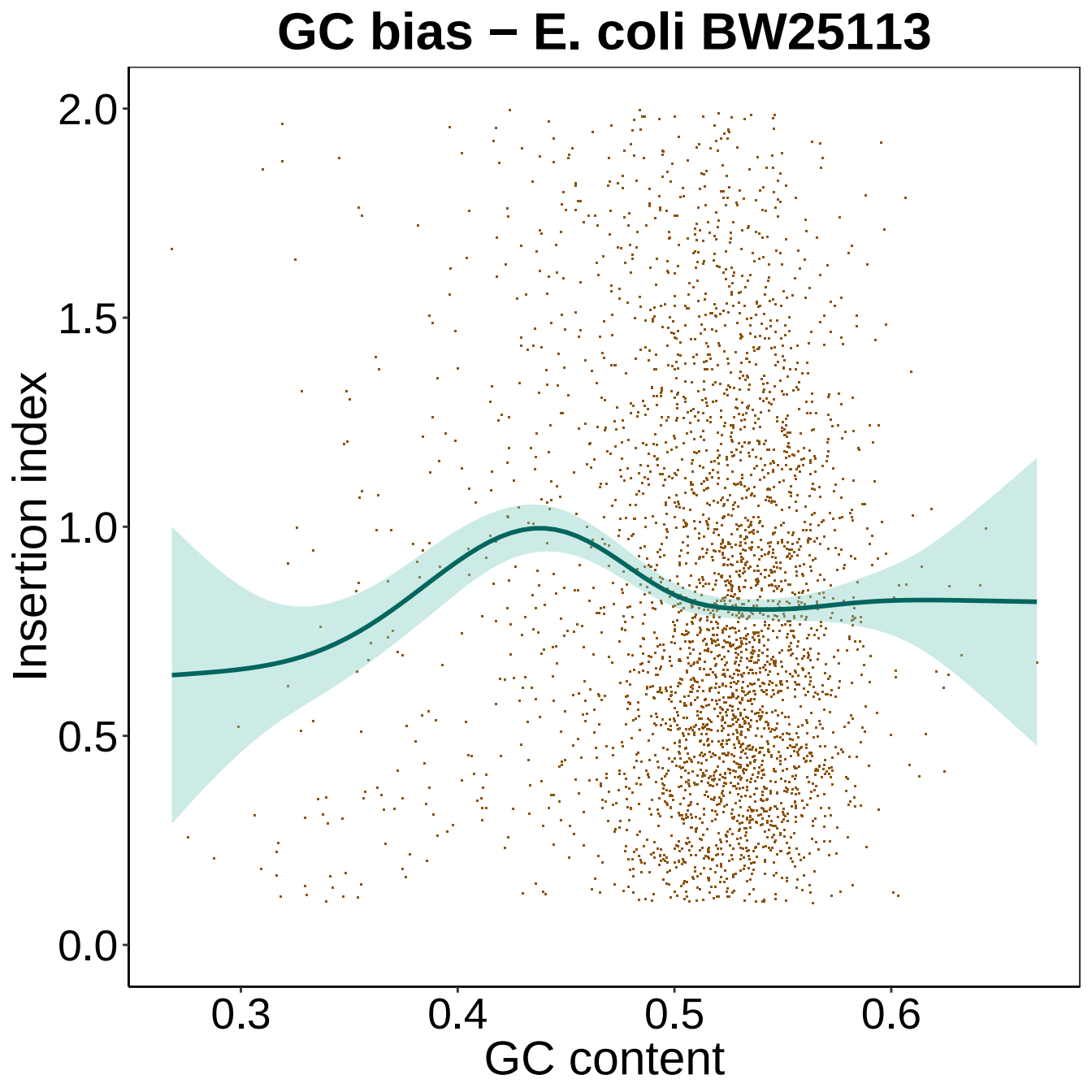
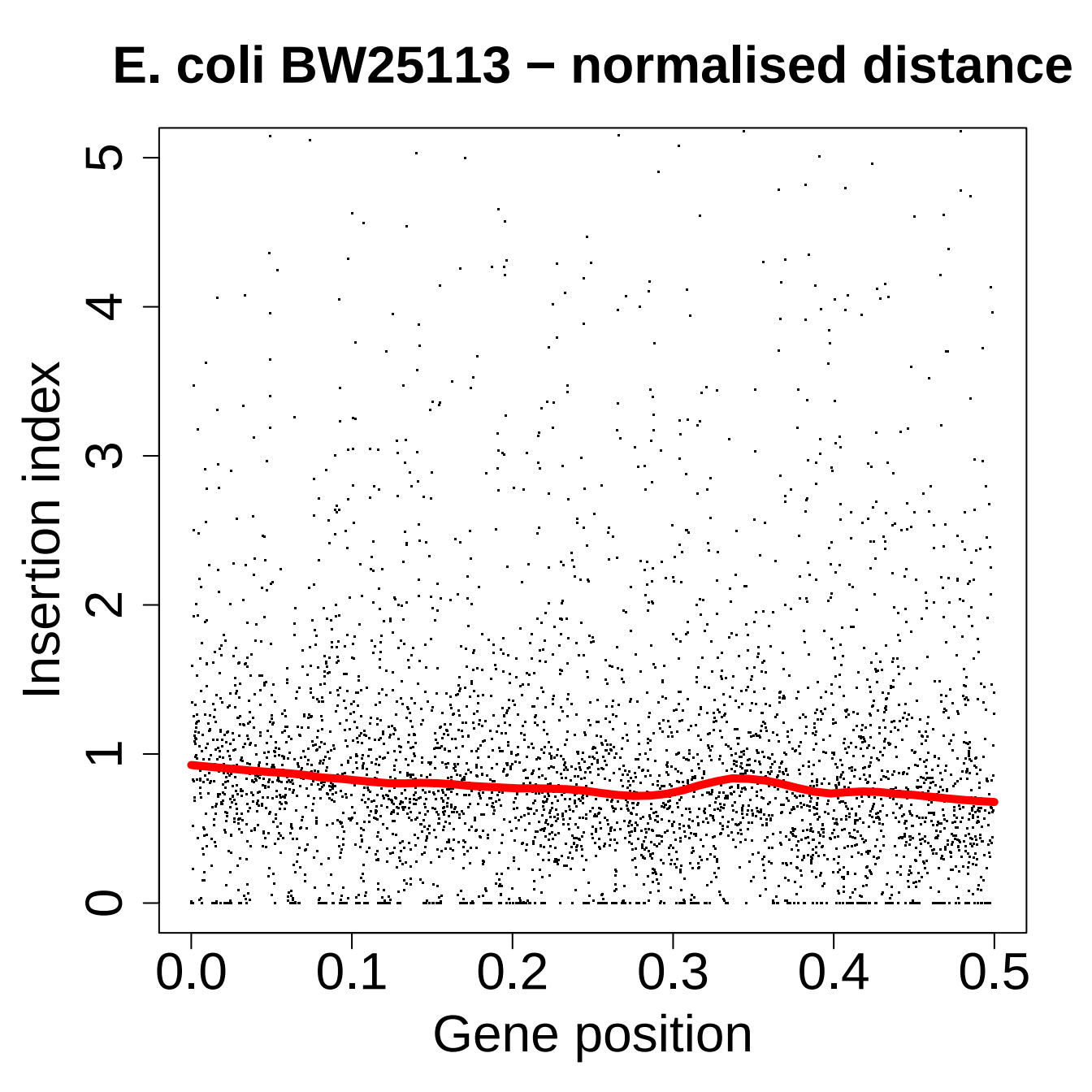
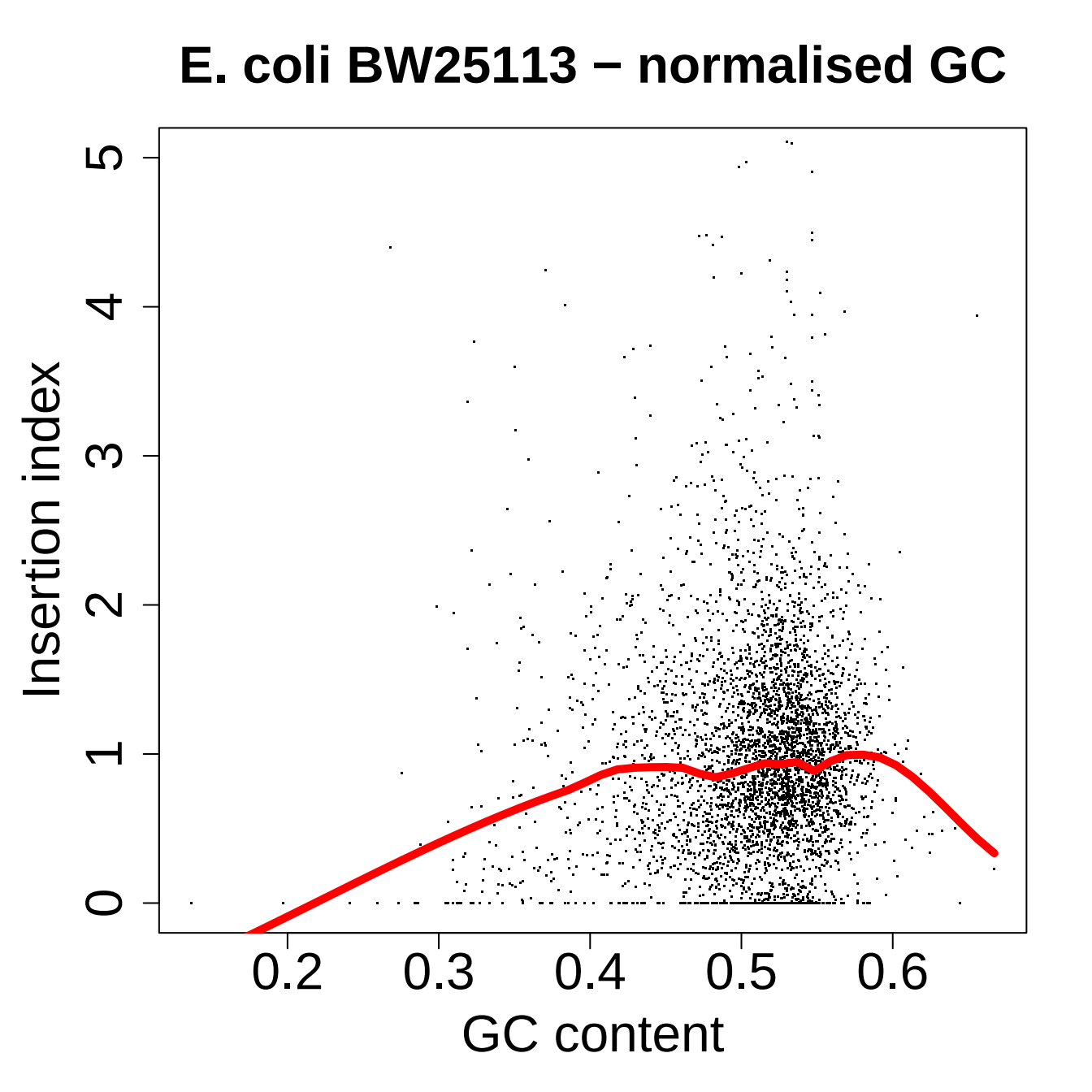
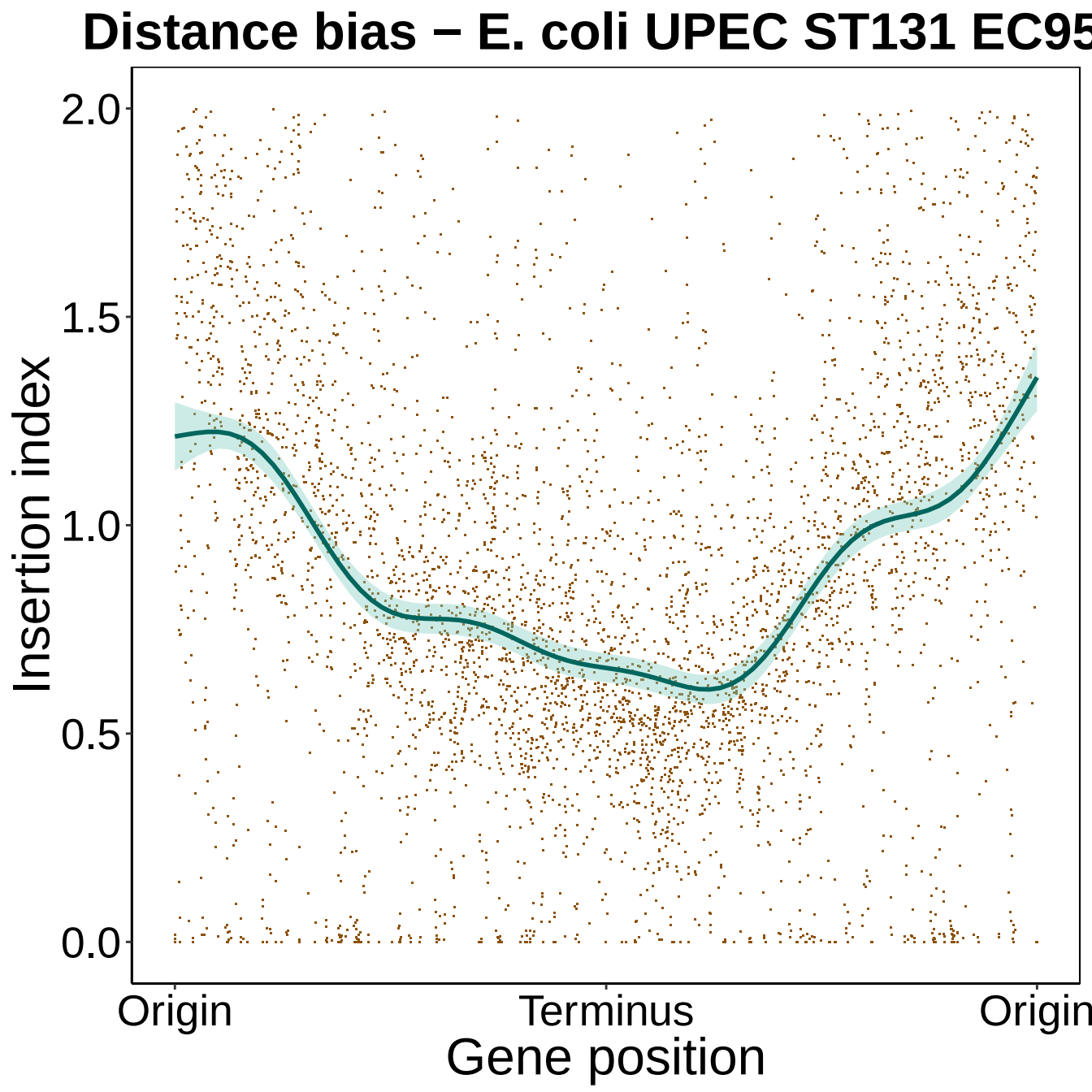
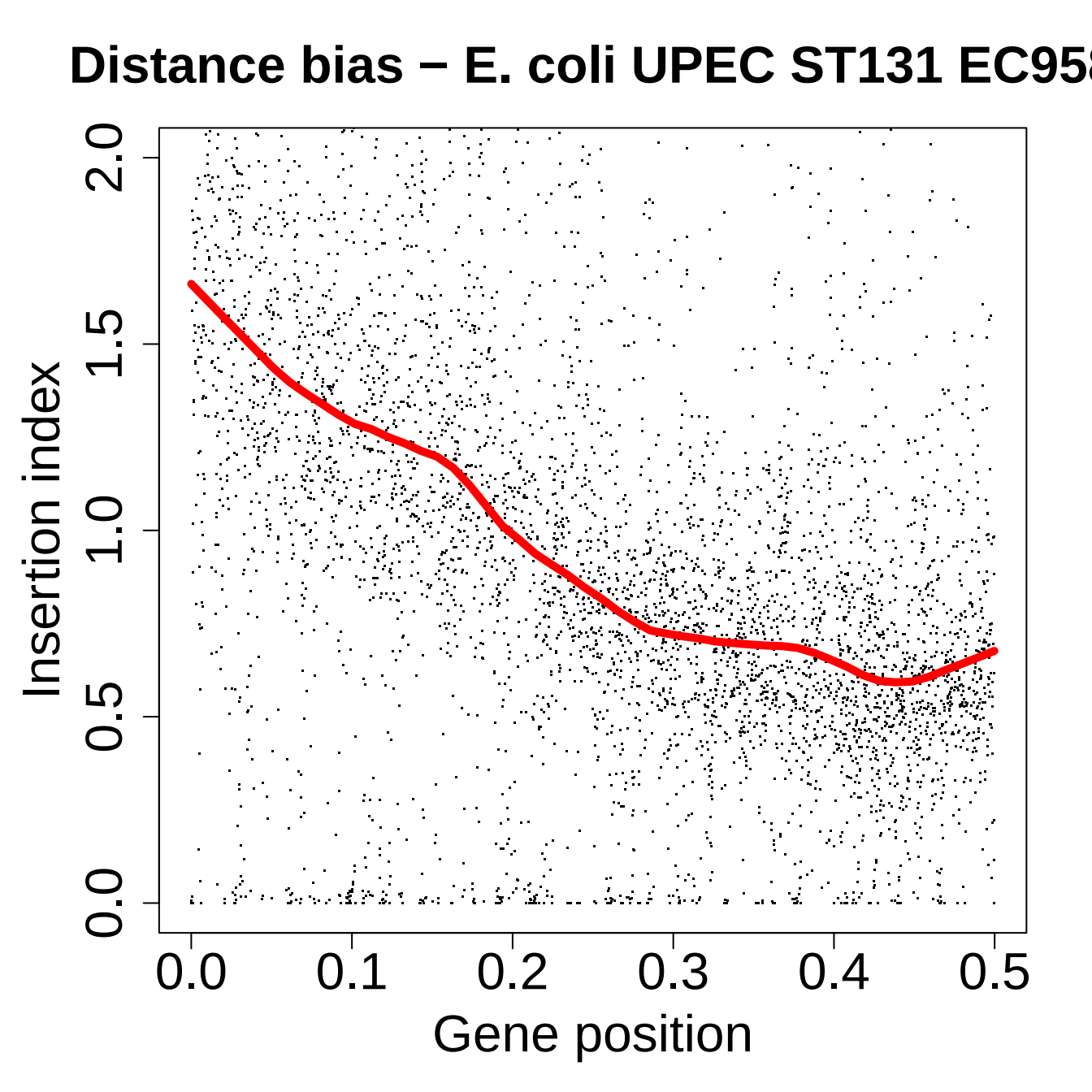
1.5
1.0
0.5
0.0
0.2
0.3
0.4
0.5
0.6
GC content


GC bias – E. coli BW25113
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
GC content


E. coli BW25113 − normalised distance
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


E. coli BW25113 – normalised GC
Insertion index
0
1
2
3
4
5
0.2
0.3
0.4
0.5
0.6
GC content


Distance bias – E. coli UPEC ST131 EC95
Insertion index
2.0
1.5
1.0
0.5
0.0
Origin
Terminus
Origin
Gene position


Distance bias − E. coli UPEC ST131 EC95
Insertion index
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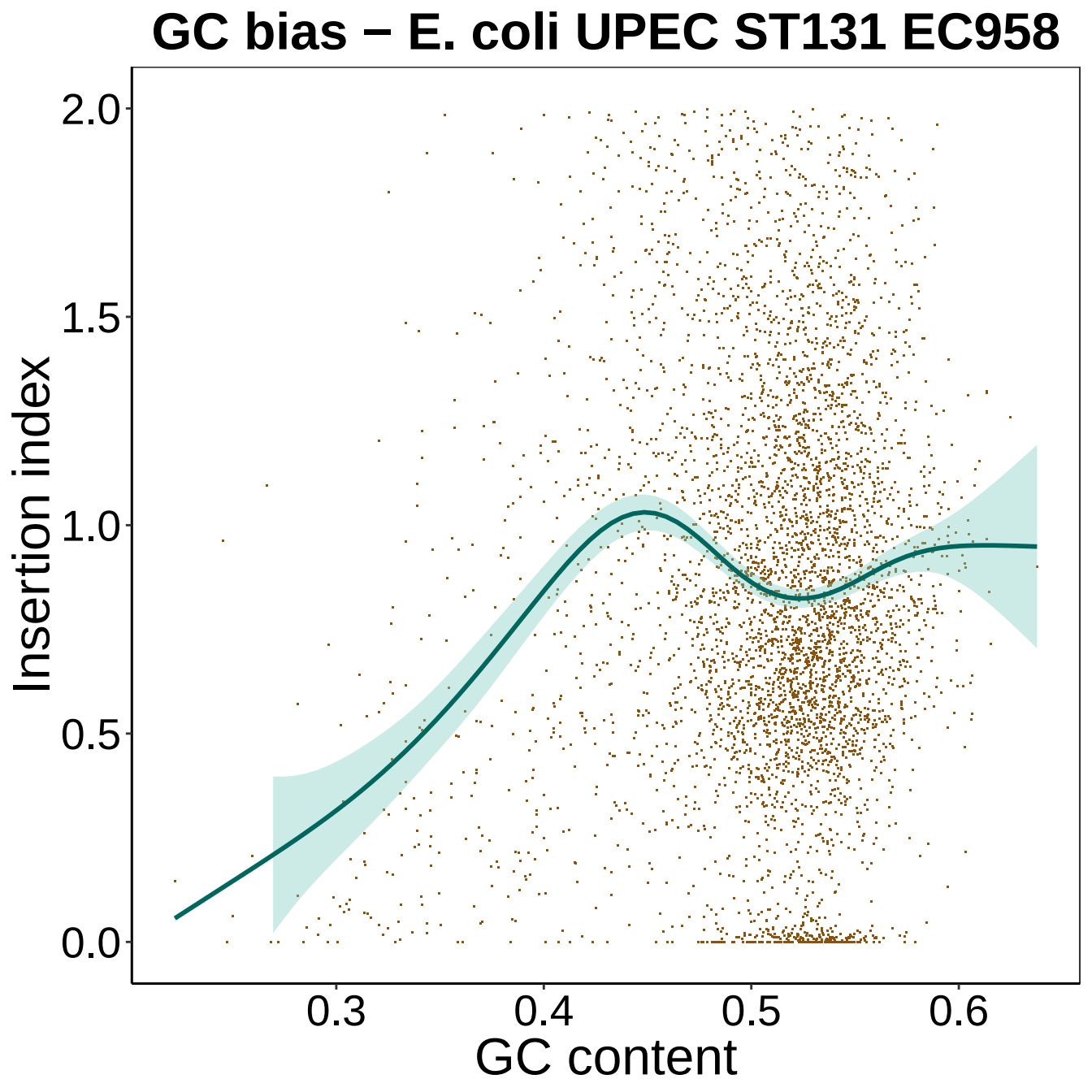
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


GC bias – E. coli UPEC ST131 EC958
Insertion index
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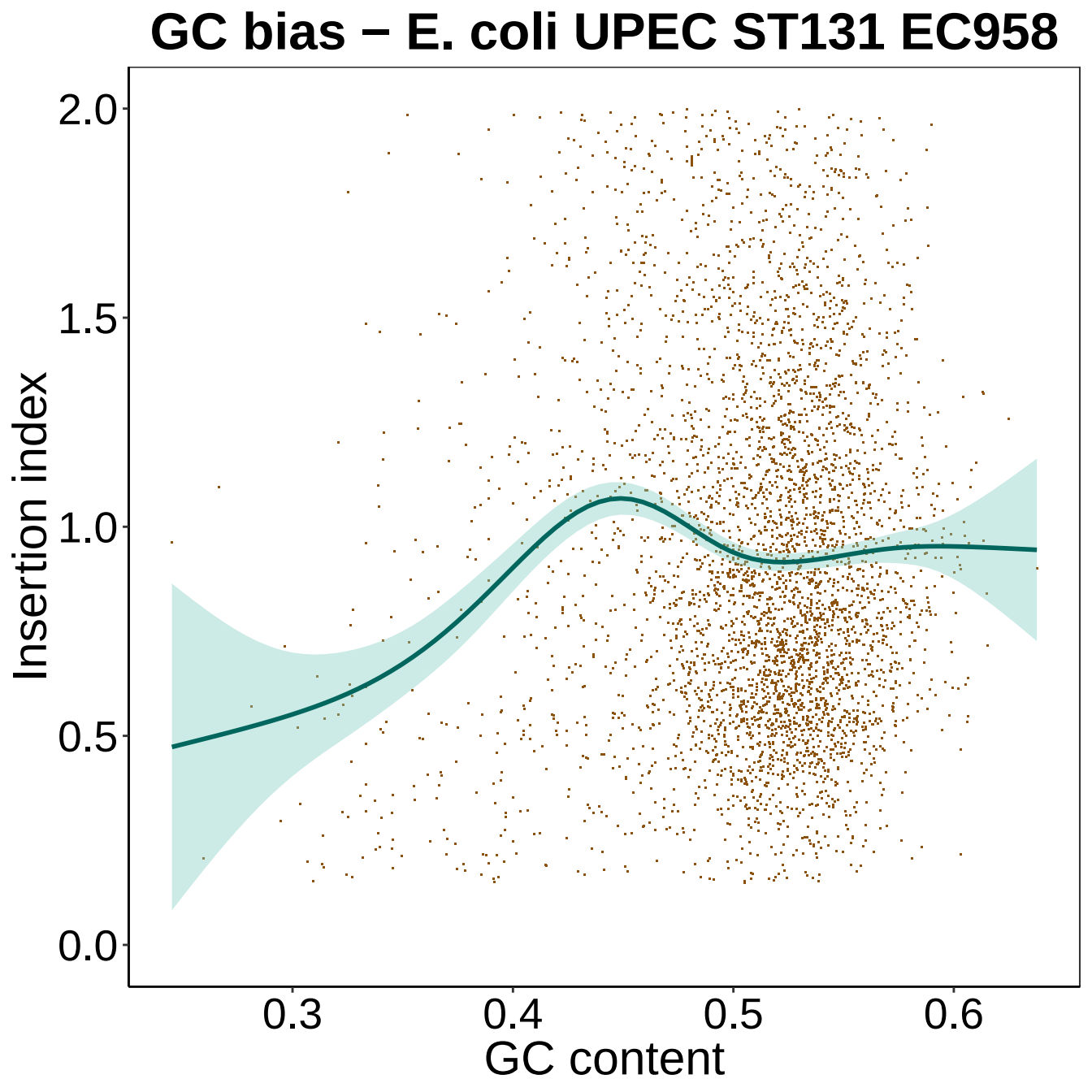
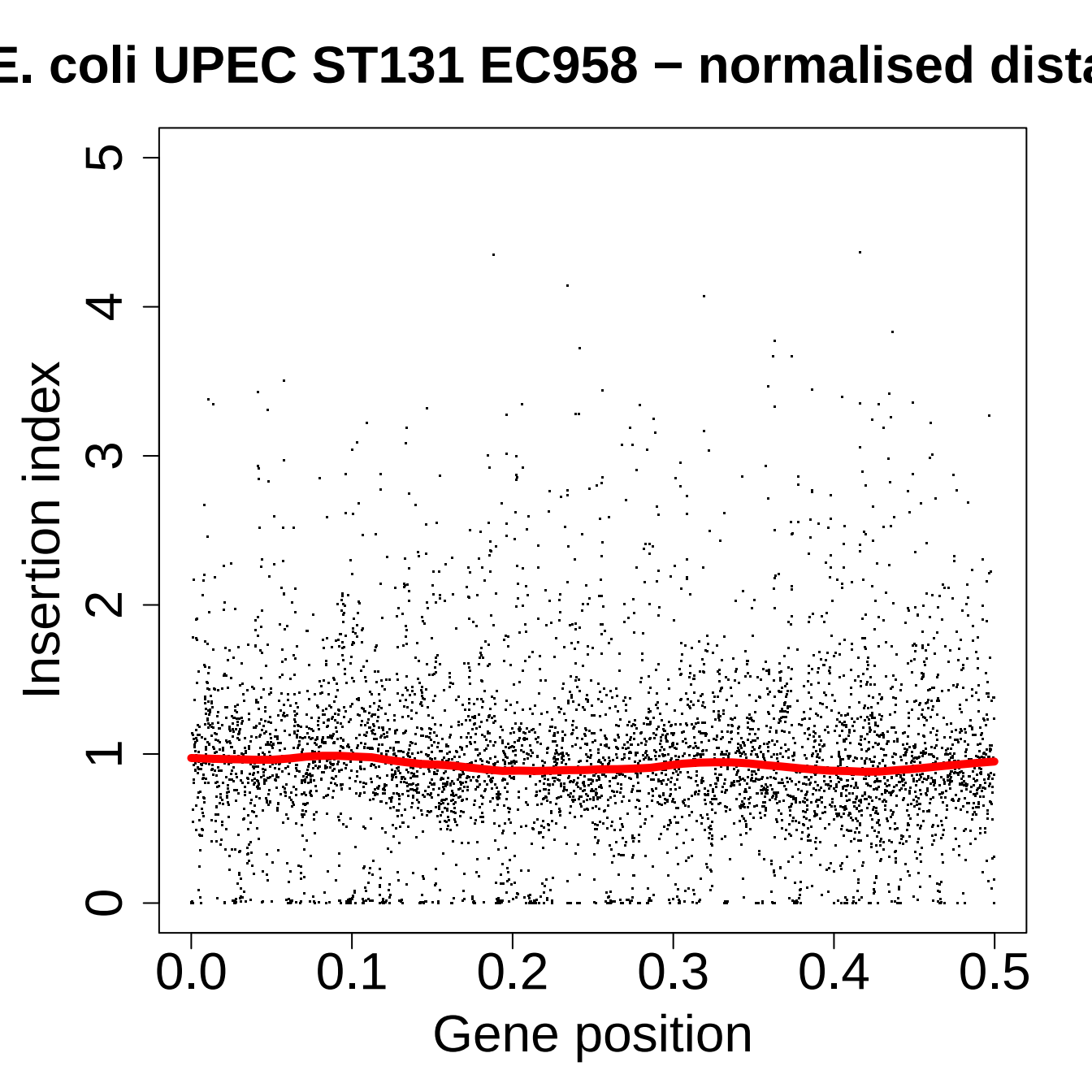
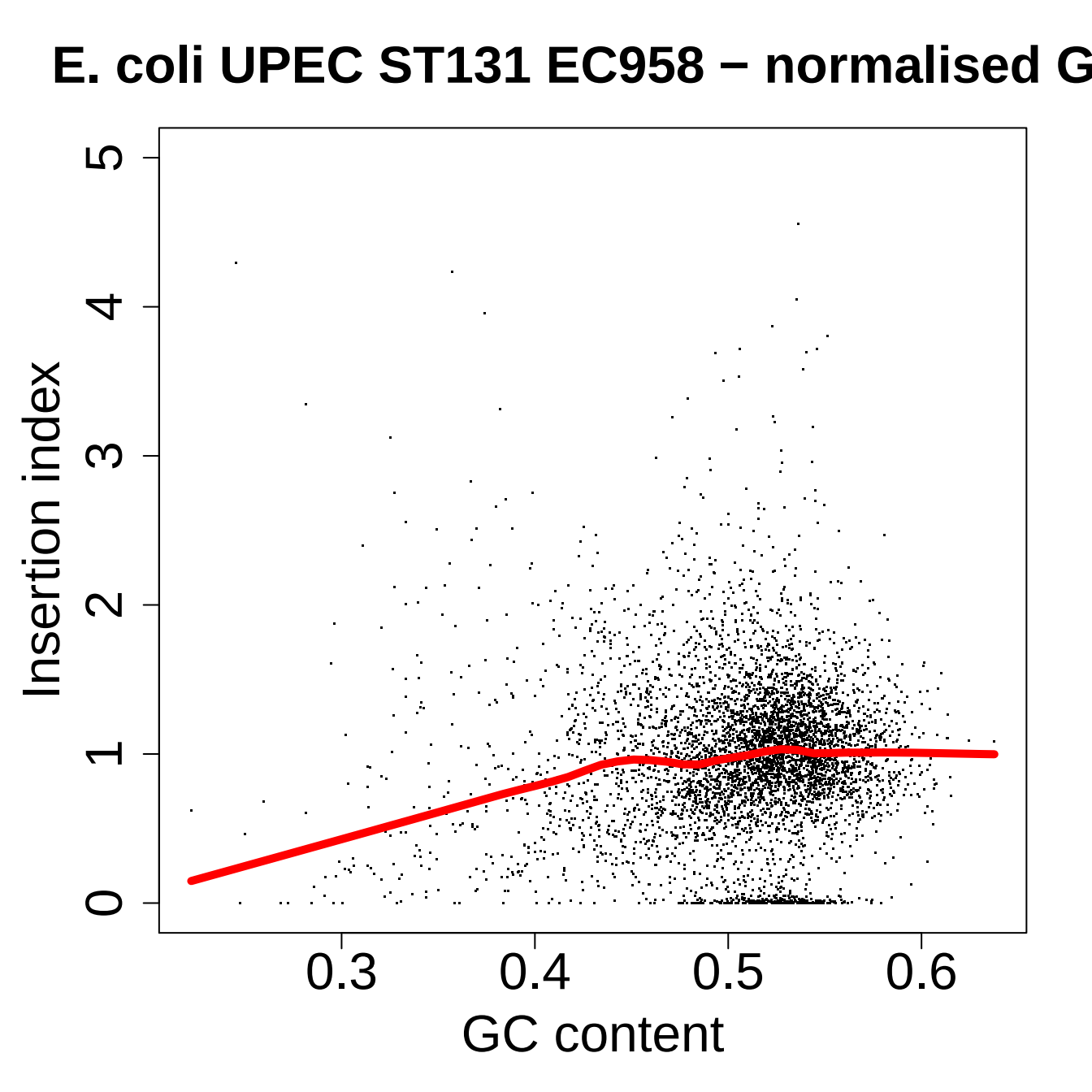
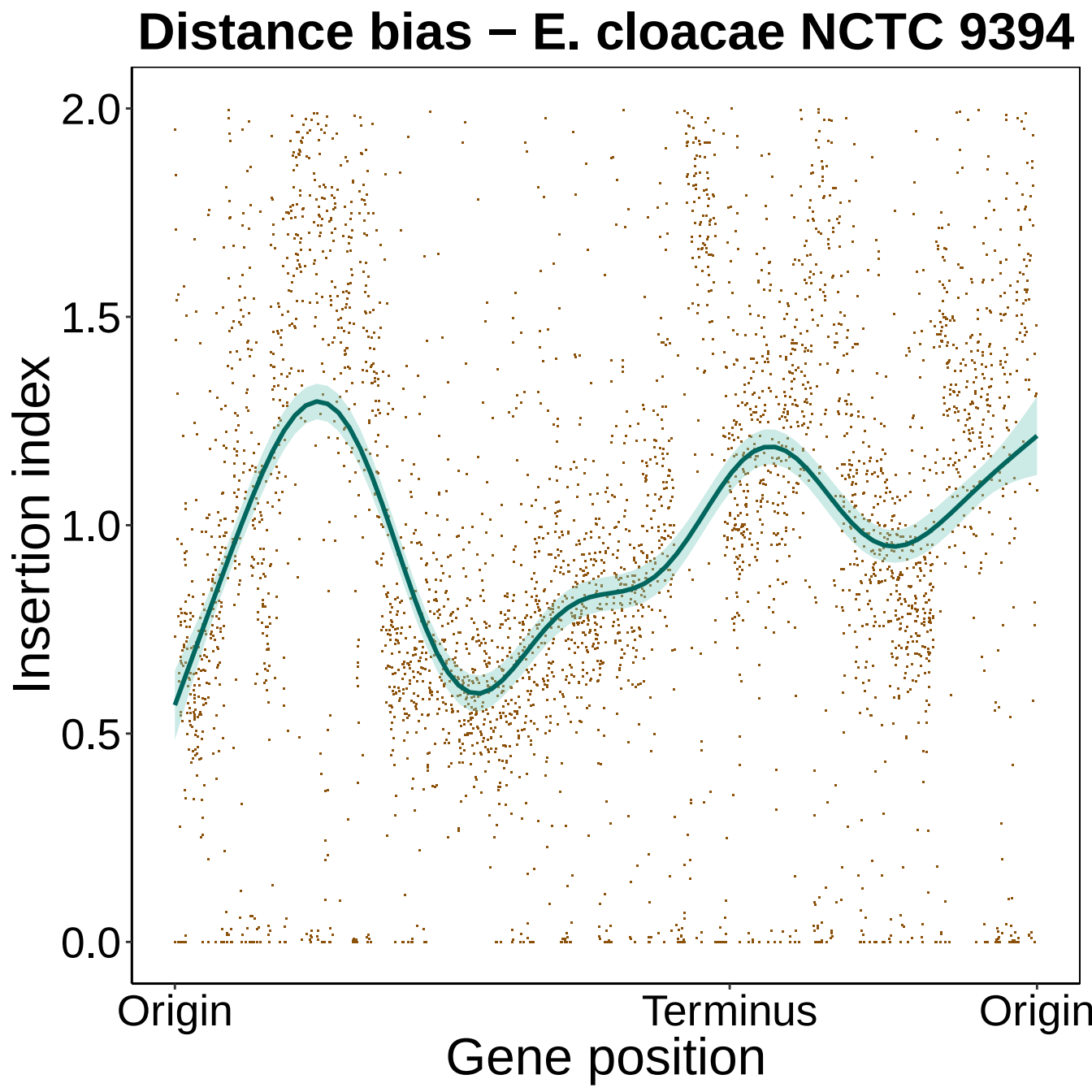
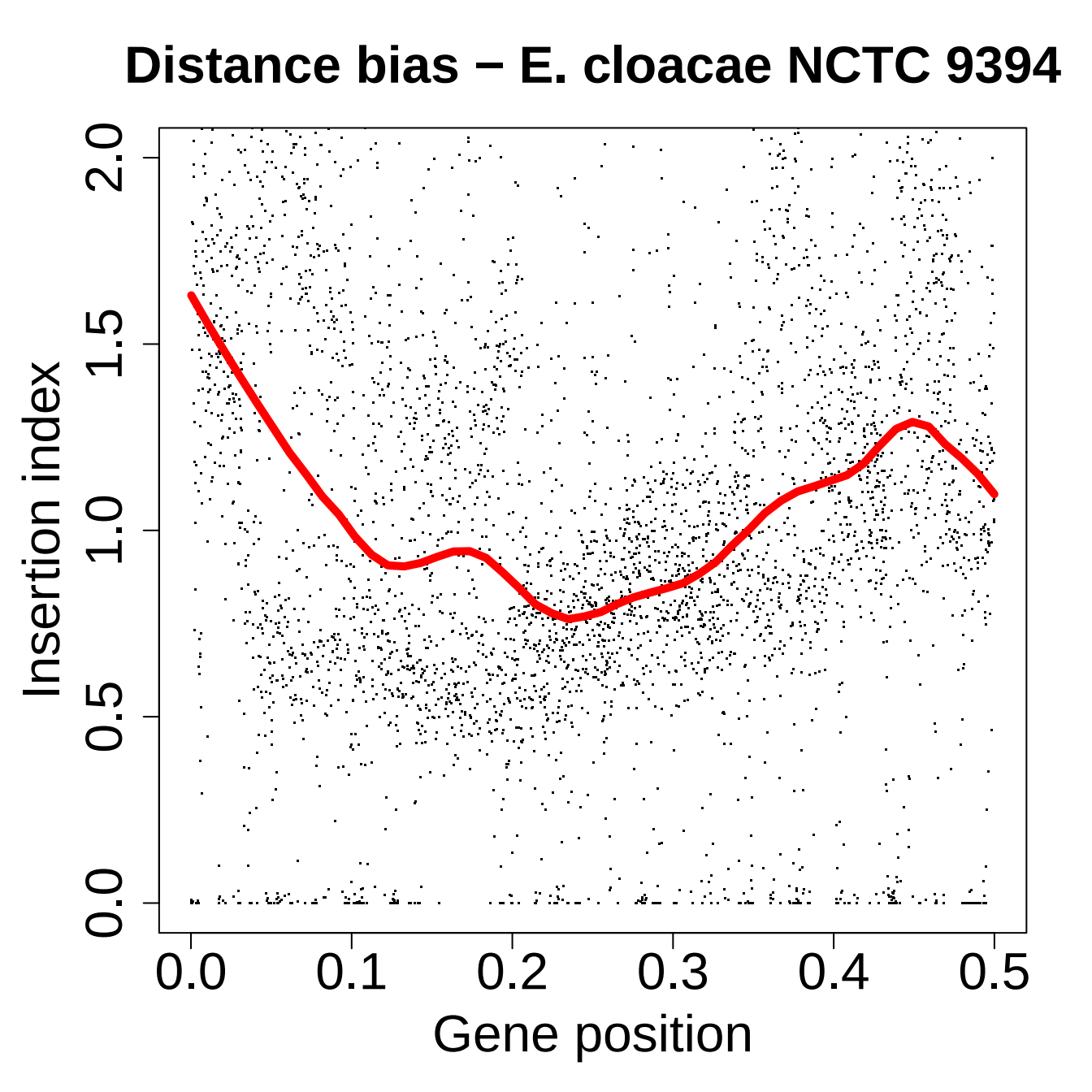
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
GC content


GC bias – E. coli UPEC ST131 EC958
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
GC content


E. coli UPEC ST131 EC958 − normalised dista
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


E. coli UPEC ST131 EC958 − normalised G
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
GC content


Distance bias – E. cloacae NCTC 9394
Insertion index
2.0
1.5
1.0
0.5
0.0
Origin
Terminus
Origin
Gene position


Distance bias − E. cloacae NCTC 9394
Insertion index
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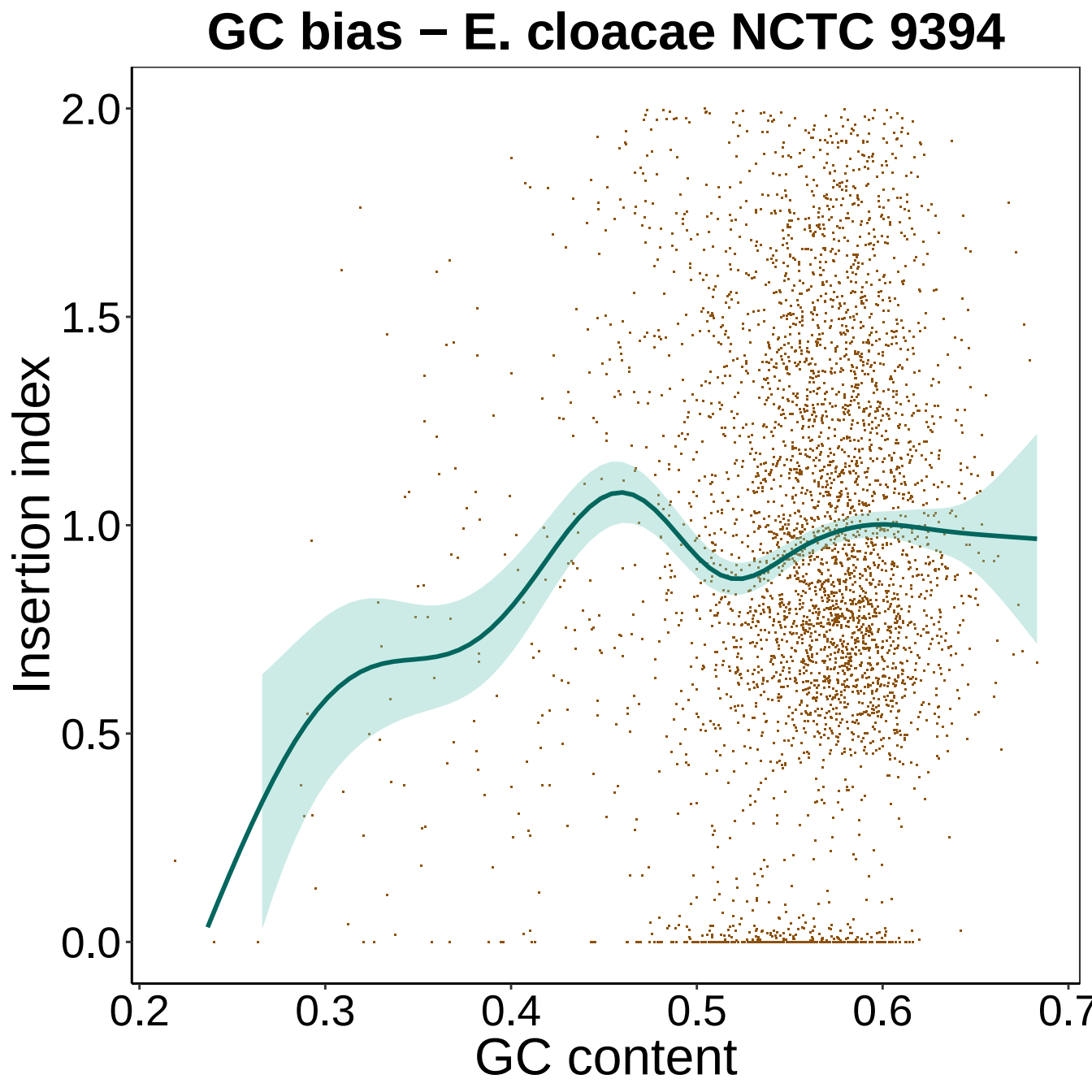
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


GC bias – E. cloacae NCTC 9394
Insertion index
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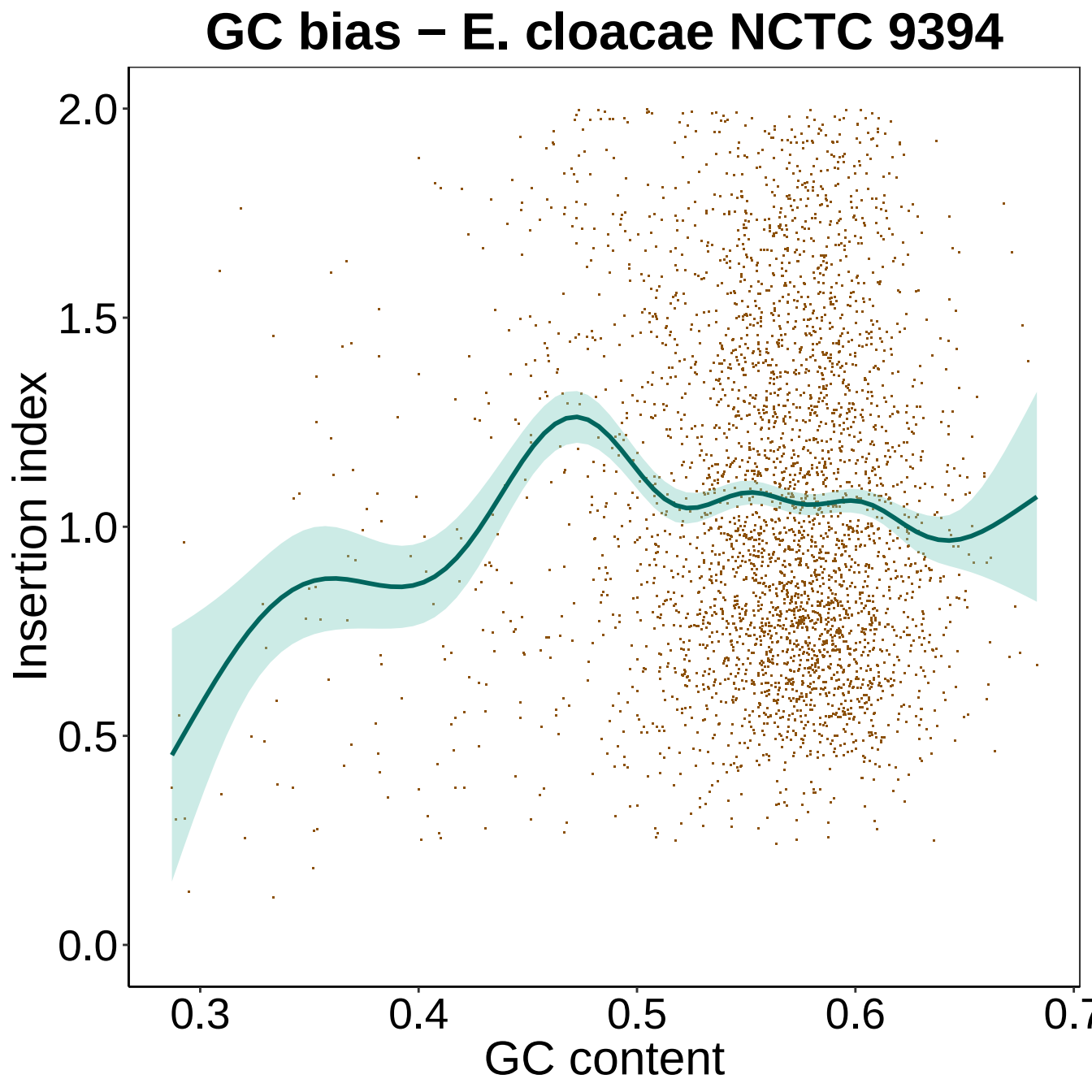
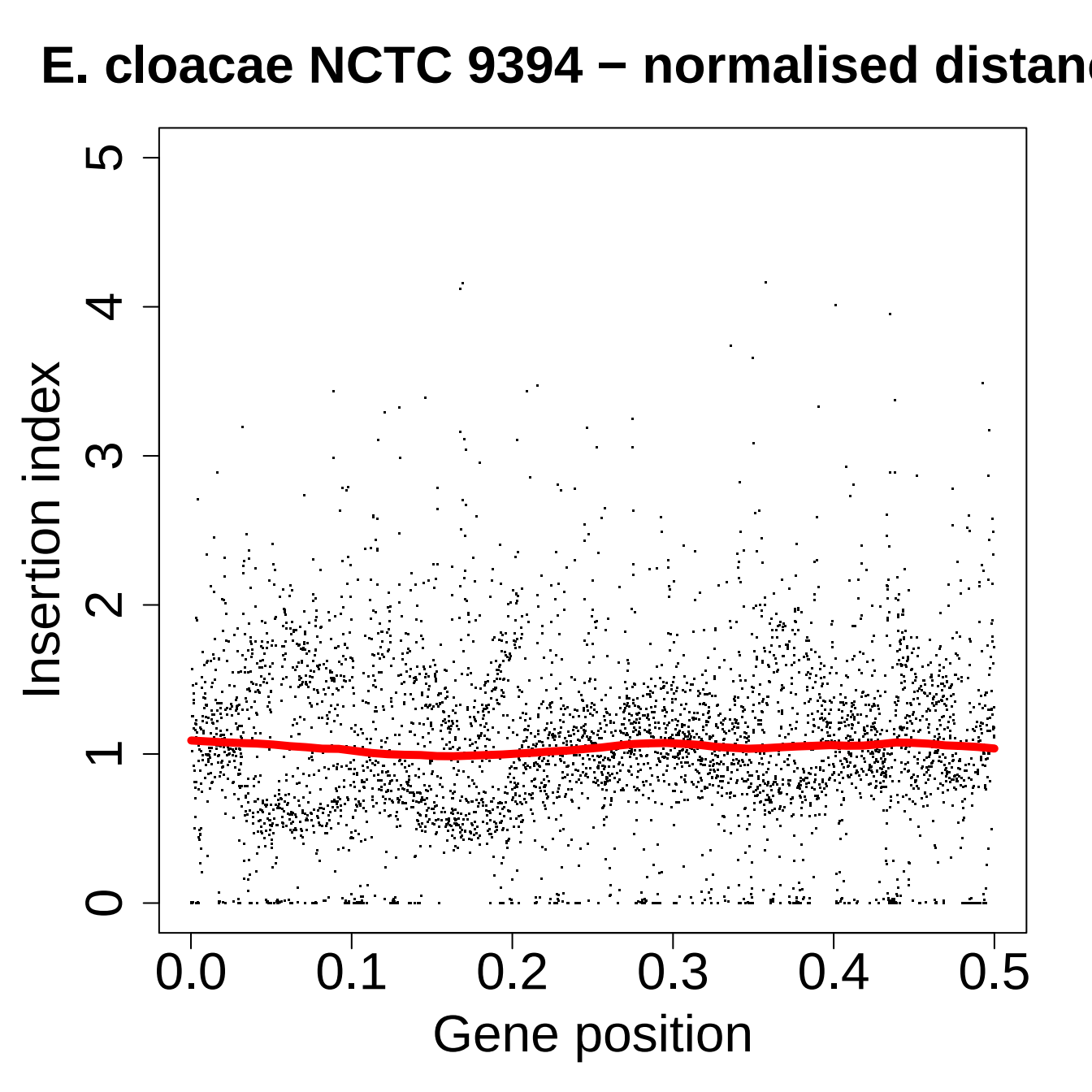
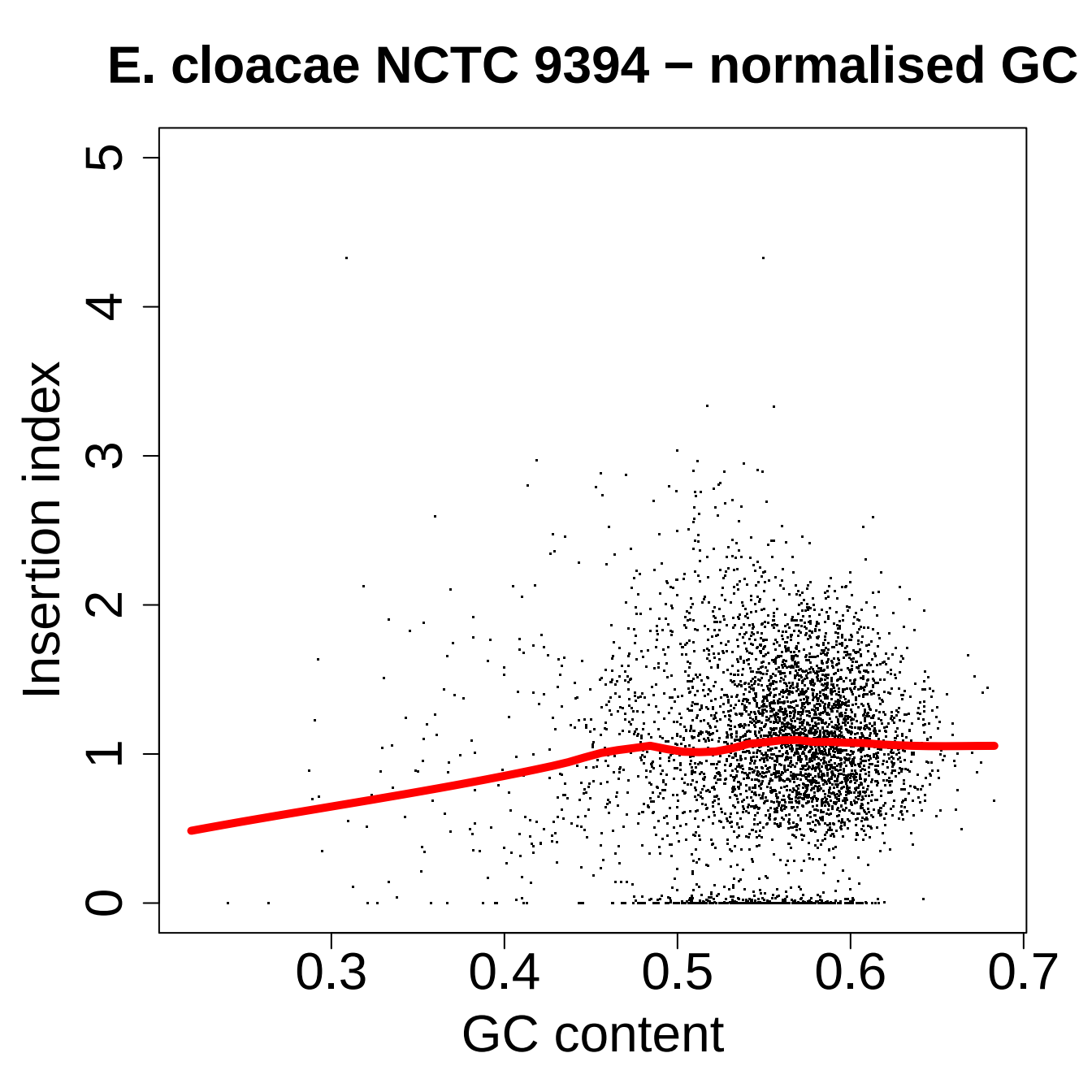
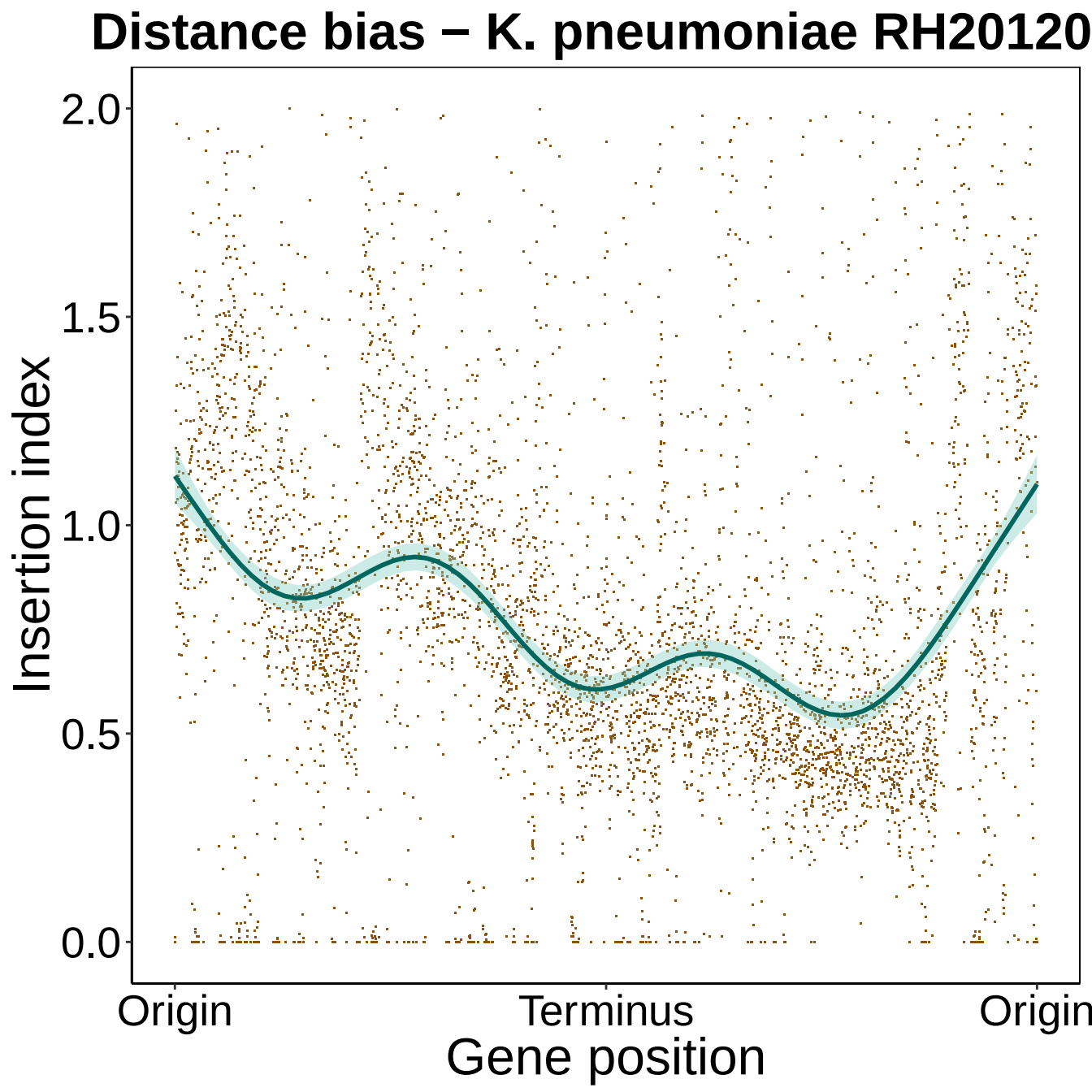
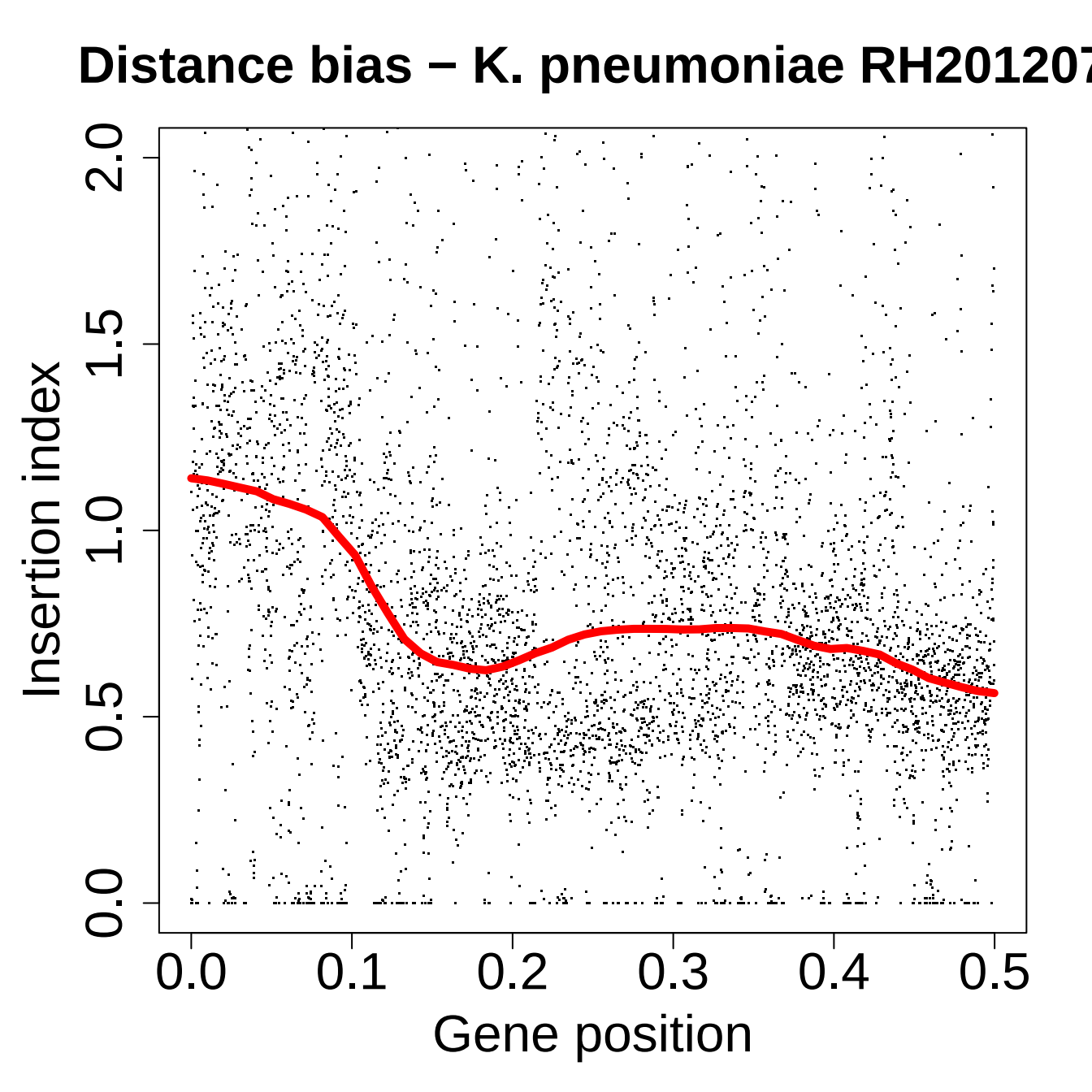
1.0
0.5
0.0
0.2
0.3
0.4
0.5
0.6
0.7
GC content


GC bias – E. cloacae NCTC 9394
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content


E. cloacae NCTC 9394 – normalised distan
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


E. cloacae NCTC 9394 – normalised GC
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
0.7
GC content


Distance bias − K. pneumoniae RH20120
Insertion index
2.0
1.5
1.0
0.5
0.0
Origin
Terminus
Origin
Gene position


Distance bias − K. pneumoniae RH201207
Insertion index
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1.5
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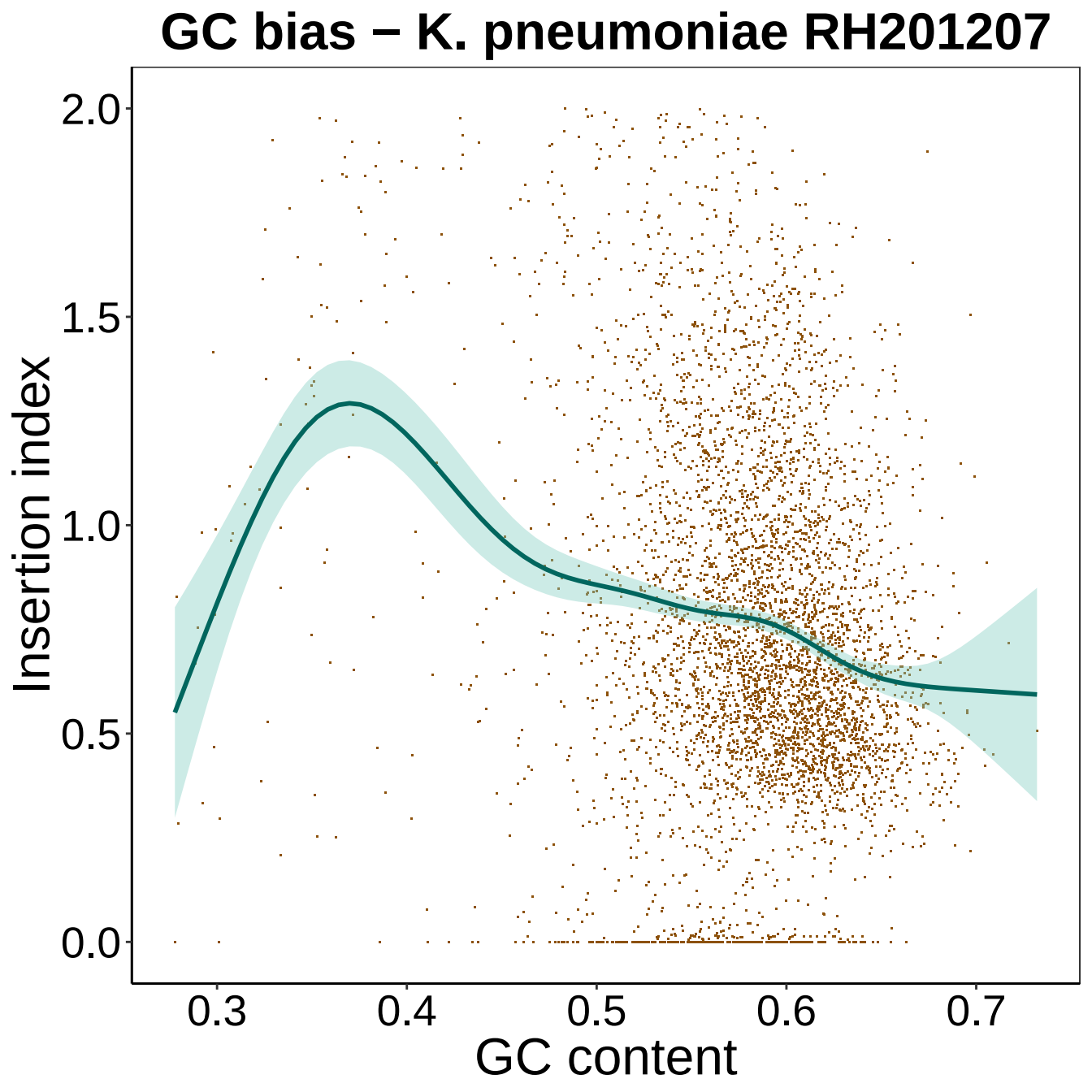
0.1
0.2
0.3
0.4
0.5
Gene position


GC bias – K. pneumoniae RH201207
Insertion index
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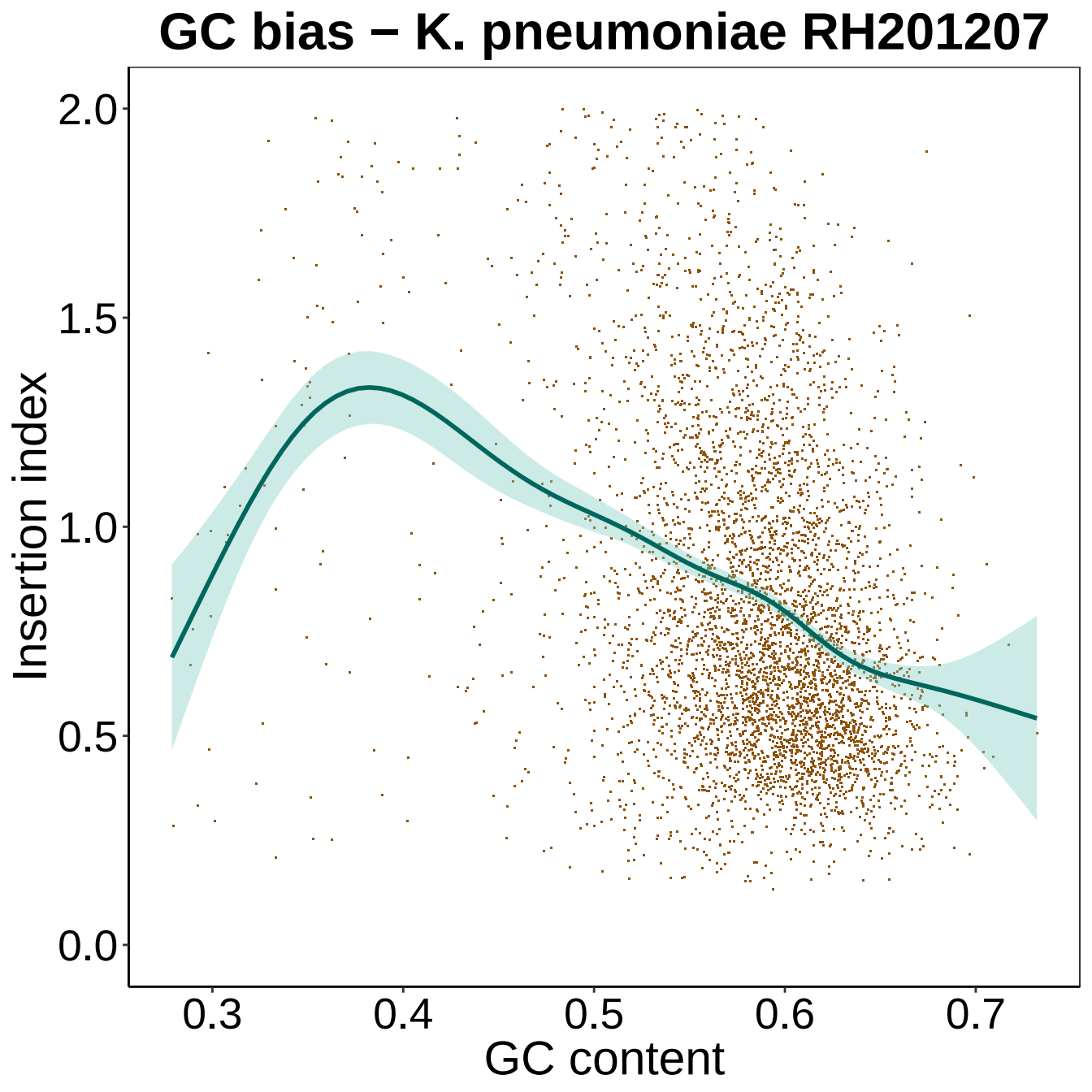
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content


GC bias – K. pneumoniae RH201207
Insertion index
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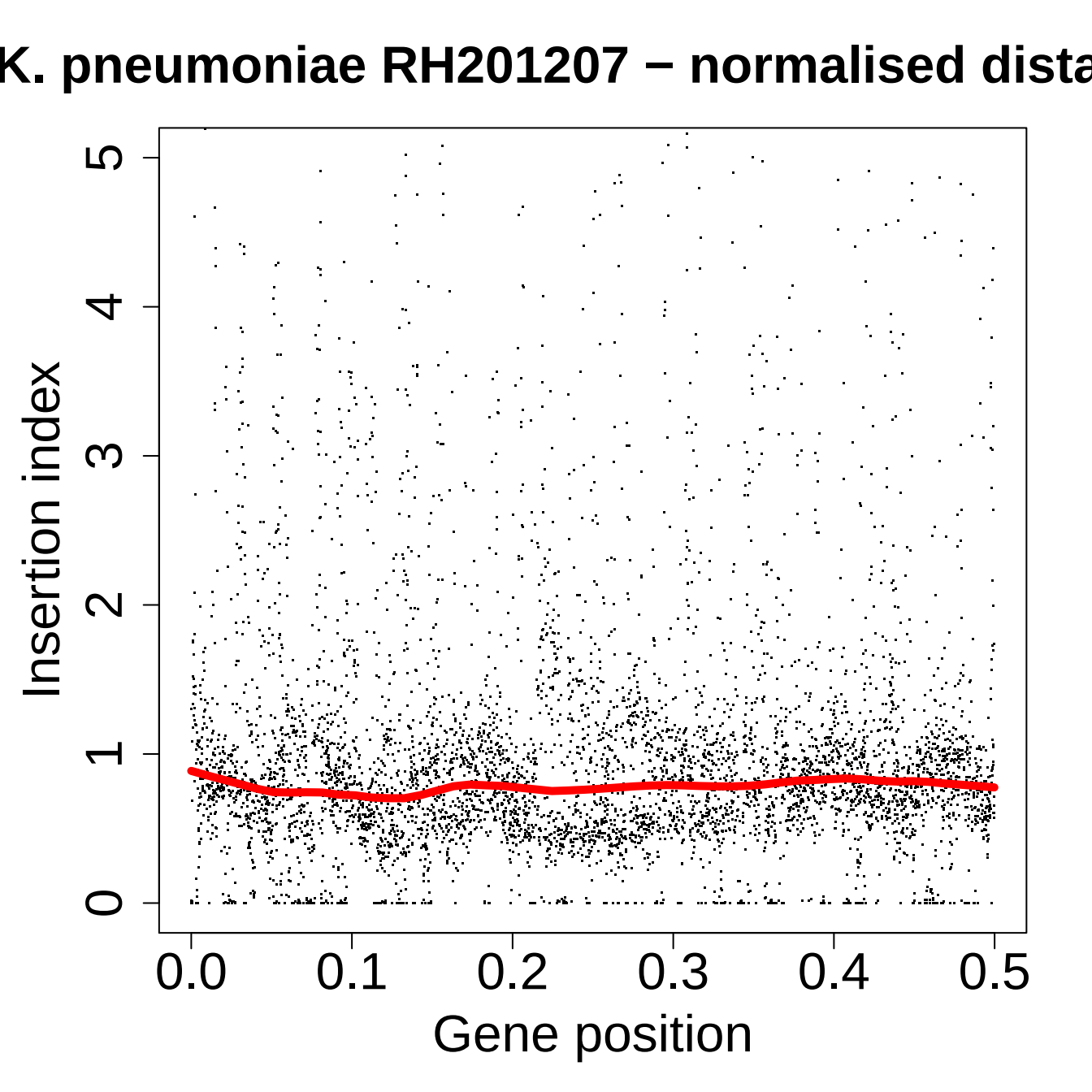
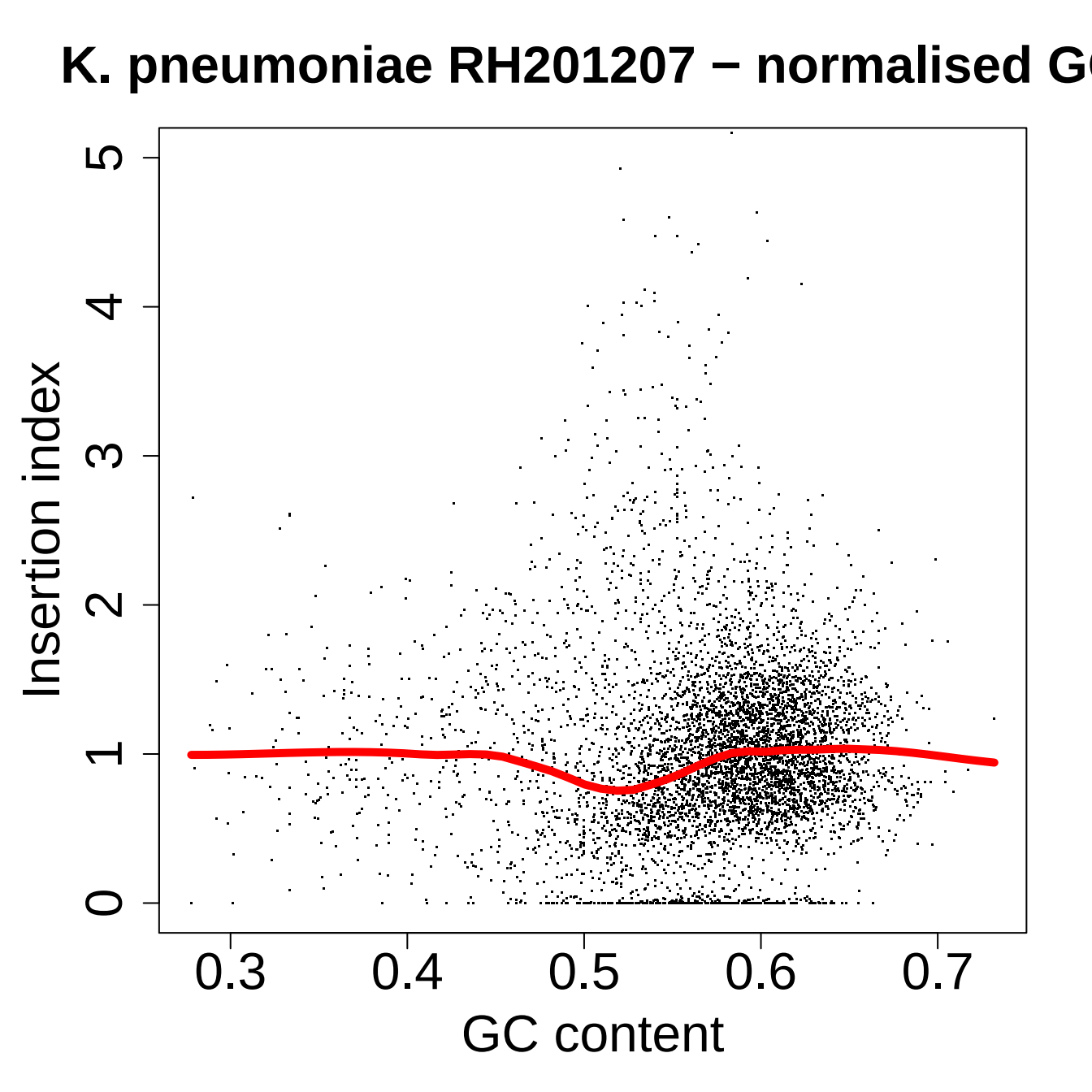
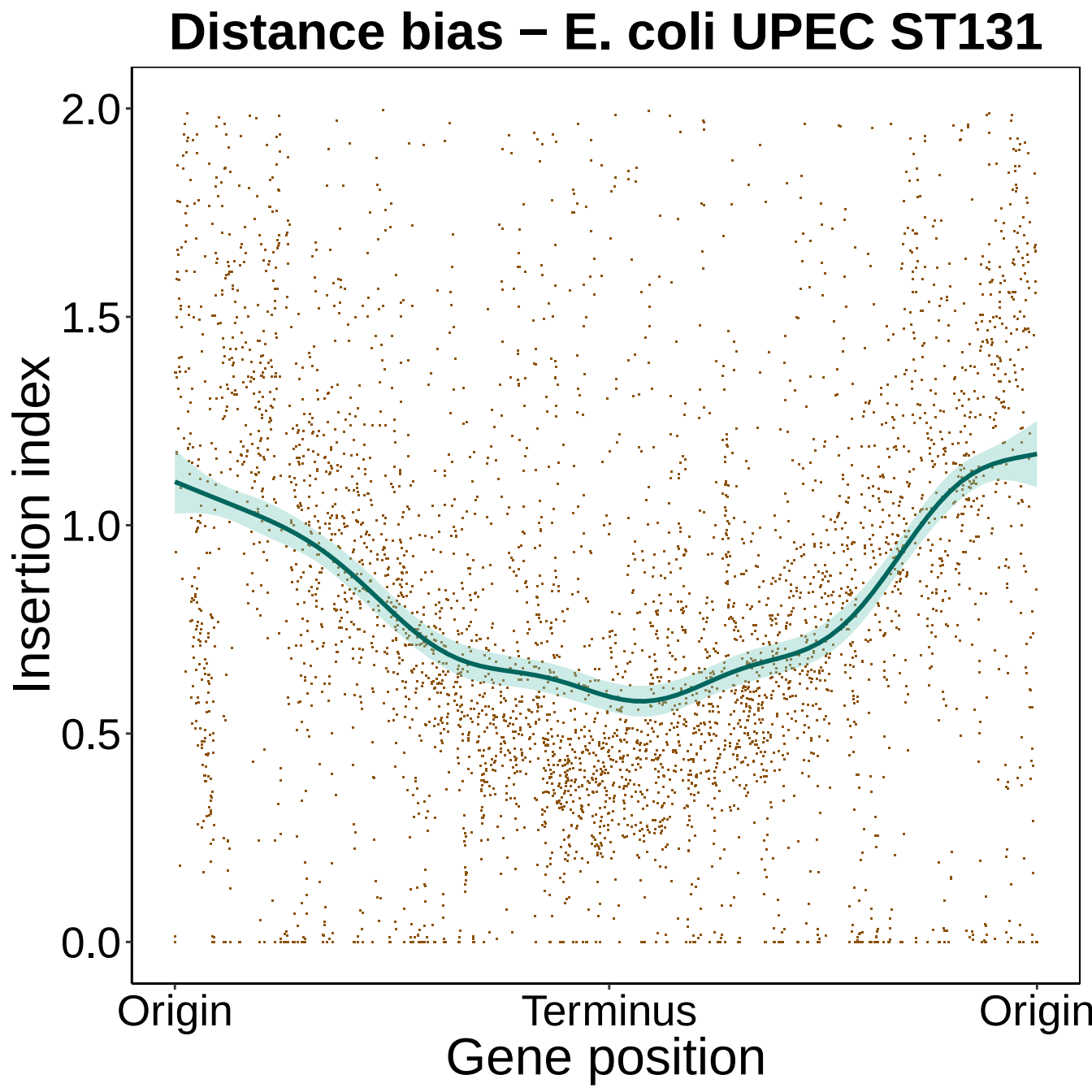
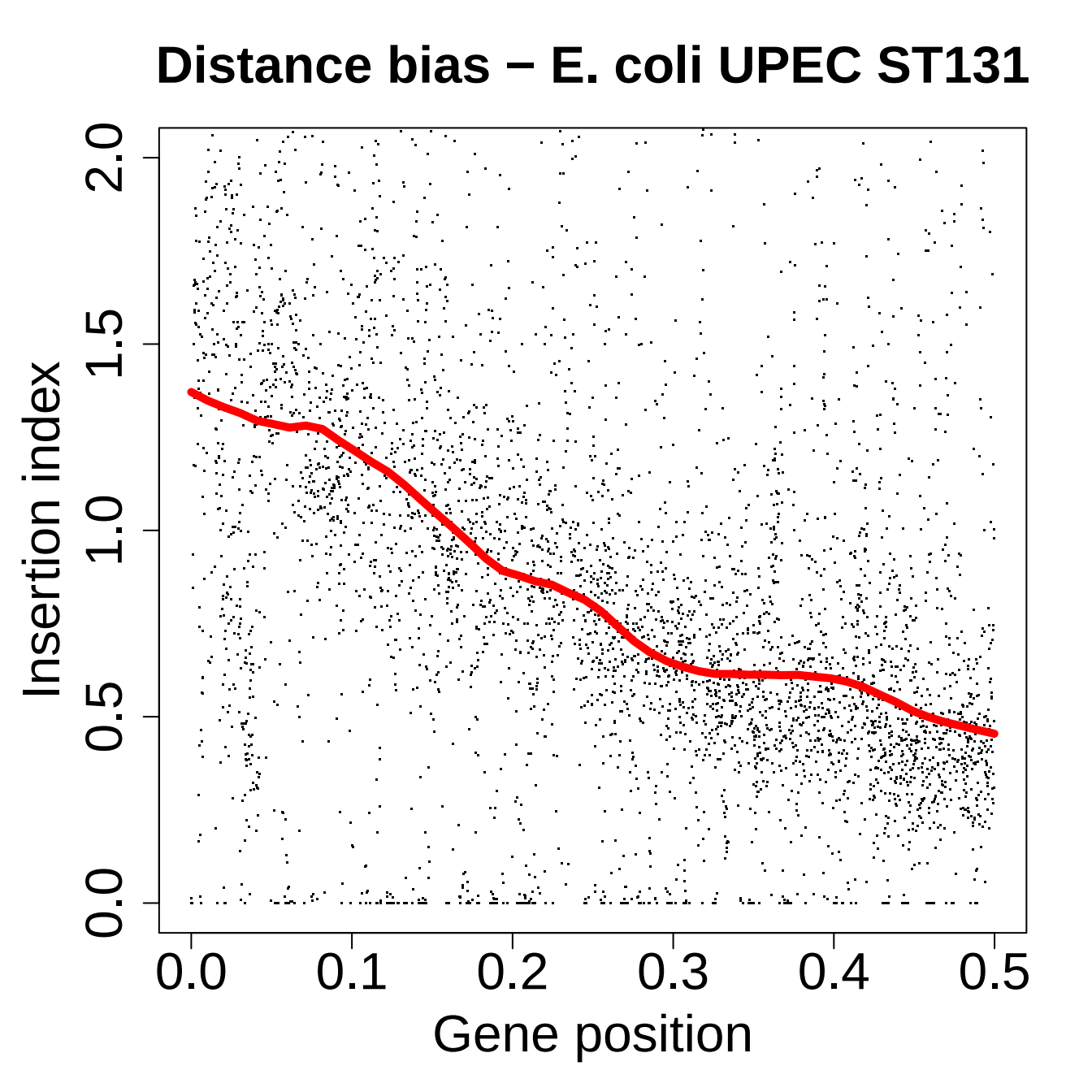
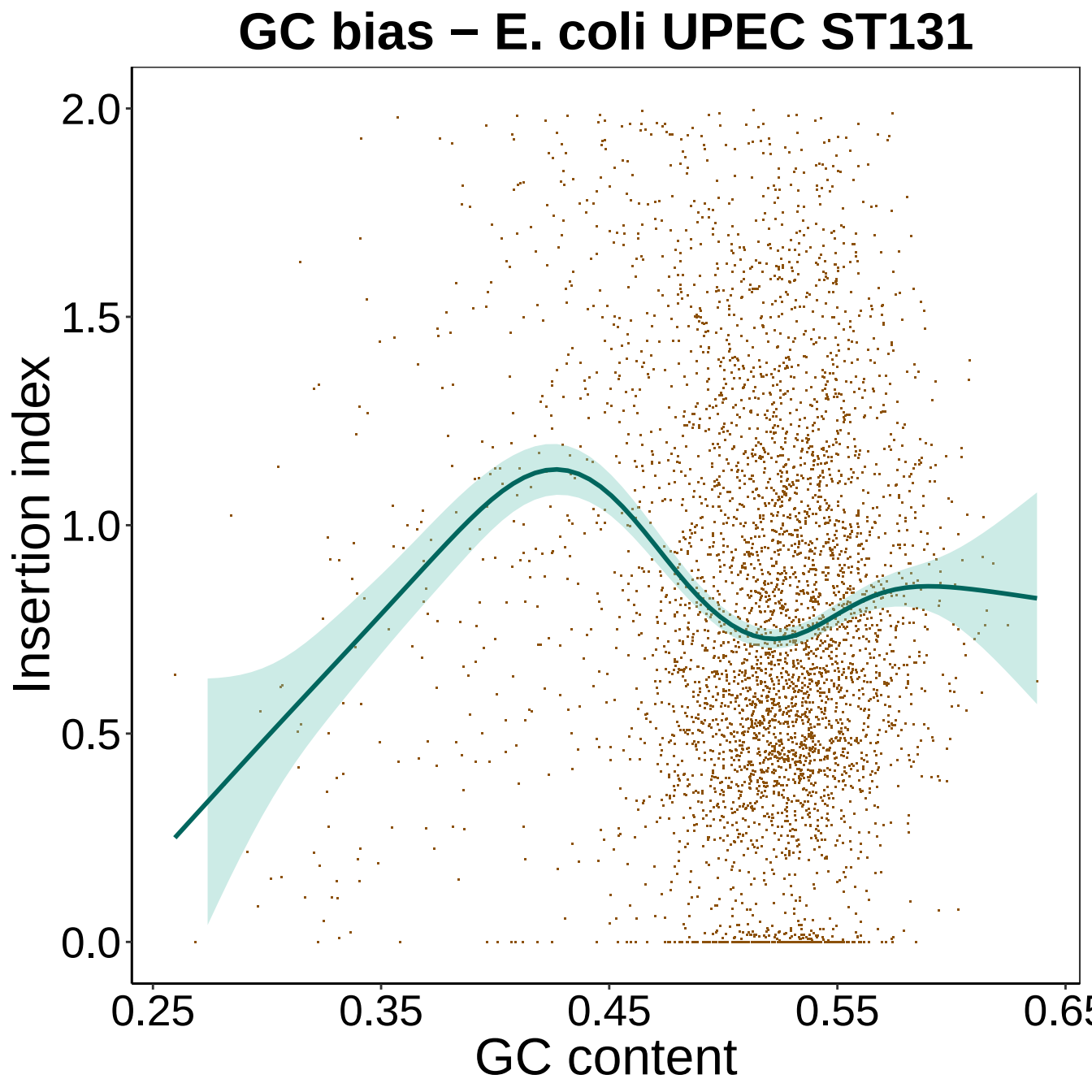
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content

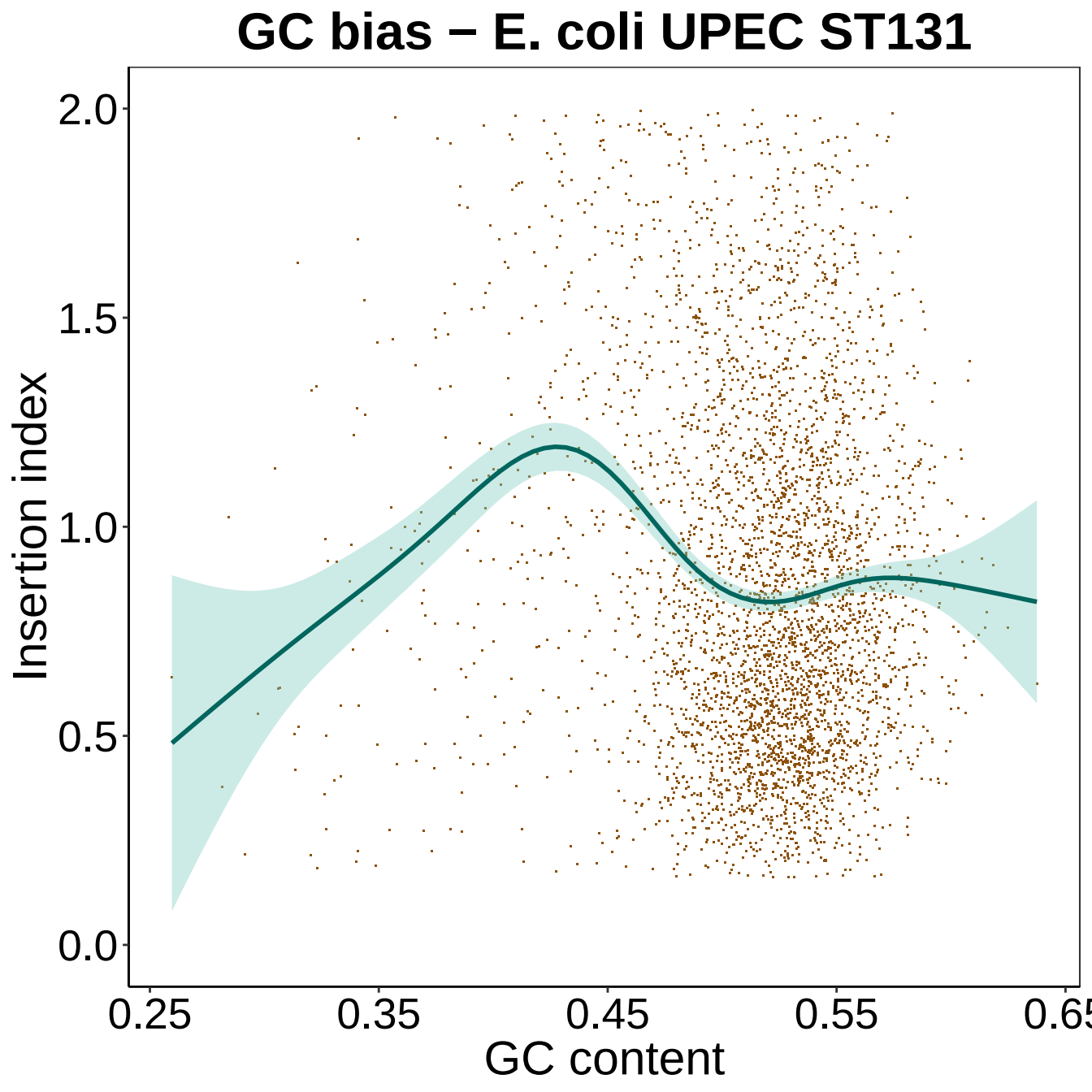

K. pneumoniae RH201207 − normalised dista
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

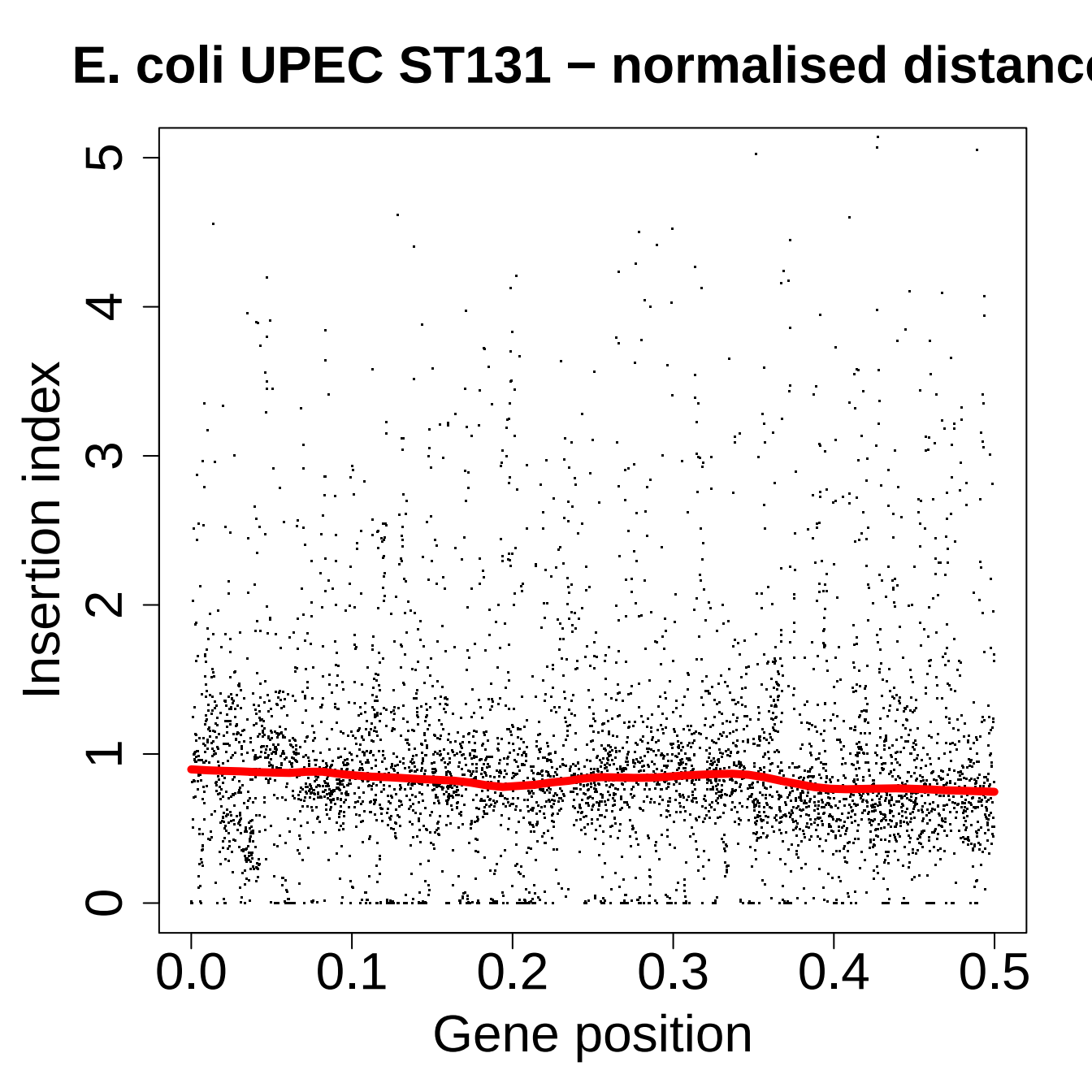

K. pneumoniae RH201207 − normalised G
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
0.7
GC content

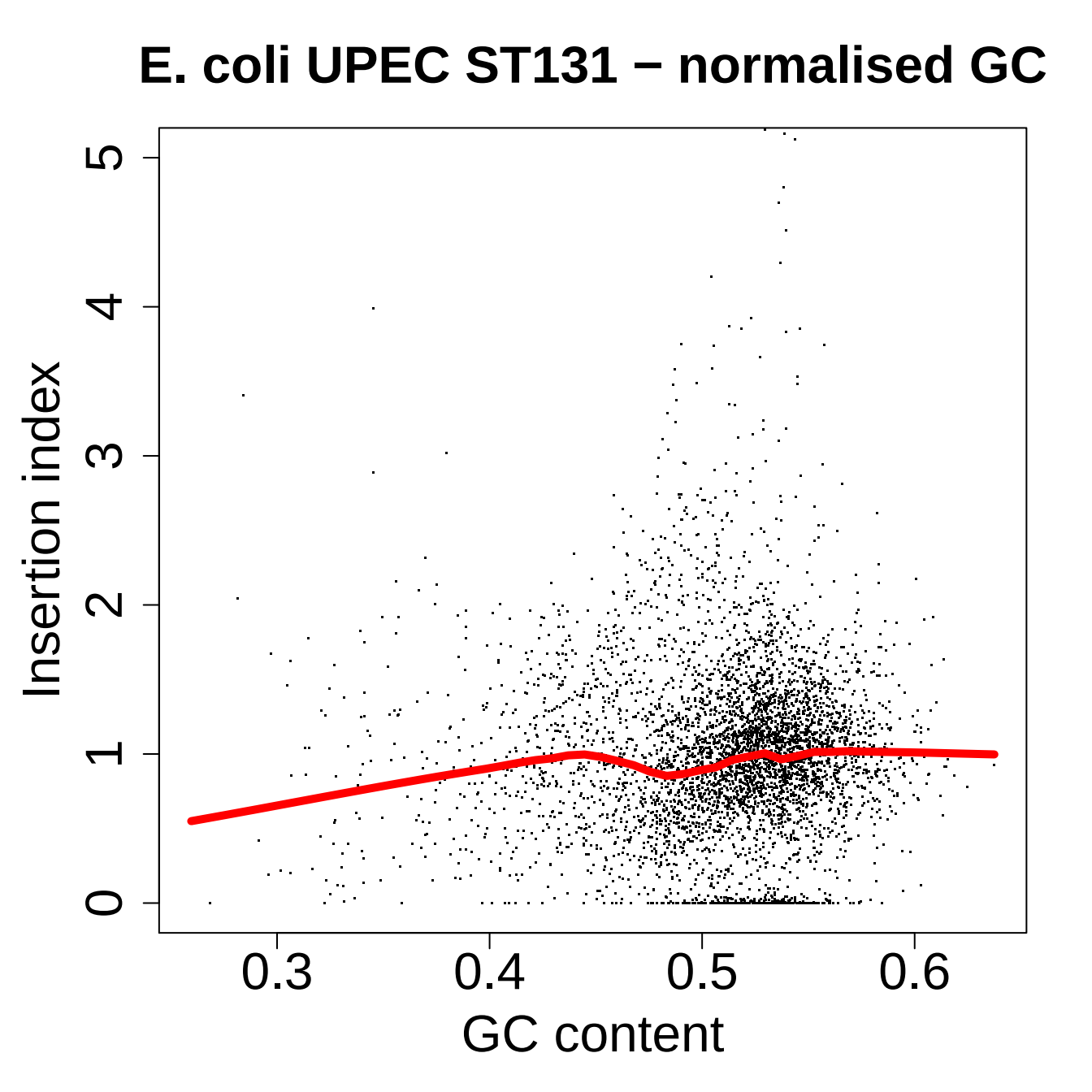

Distance bias − E. coli UPEC ST131
2.0
1.5
1.0
0.5
0.0
Insertion index
Origin
Terminus
Origin
Gene position

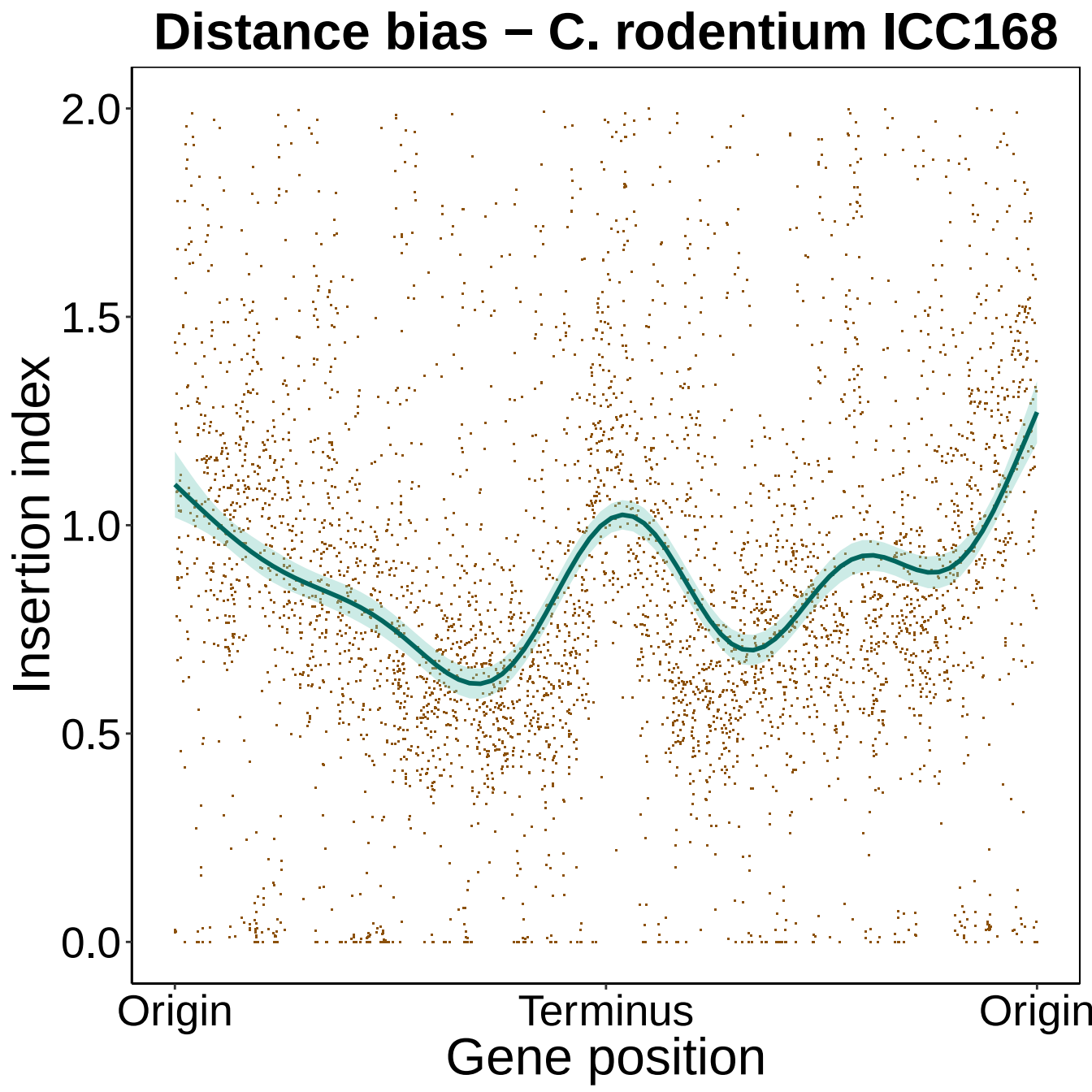

Distance bias − E. coli UPEC ST131
Insertion index
0.0
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

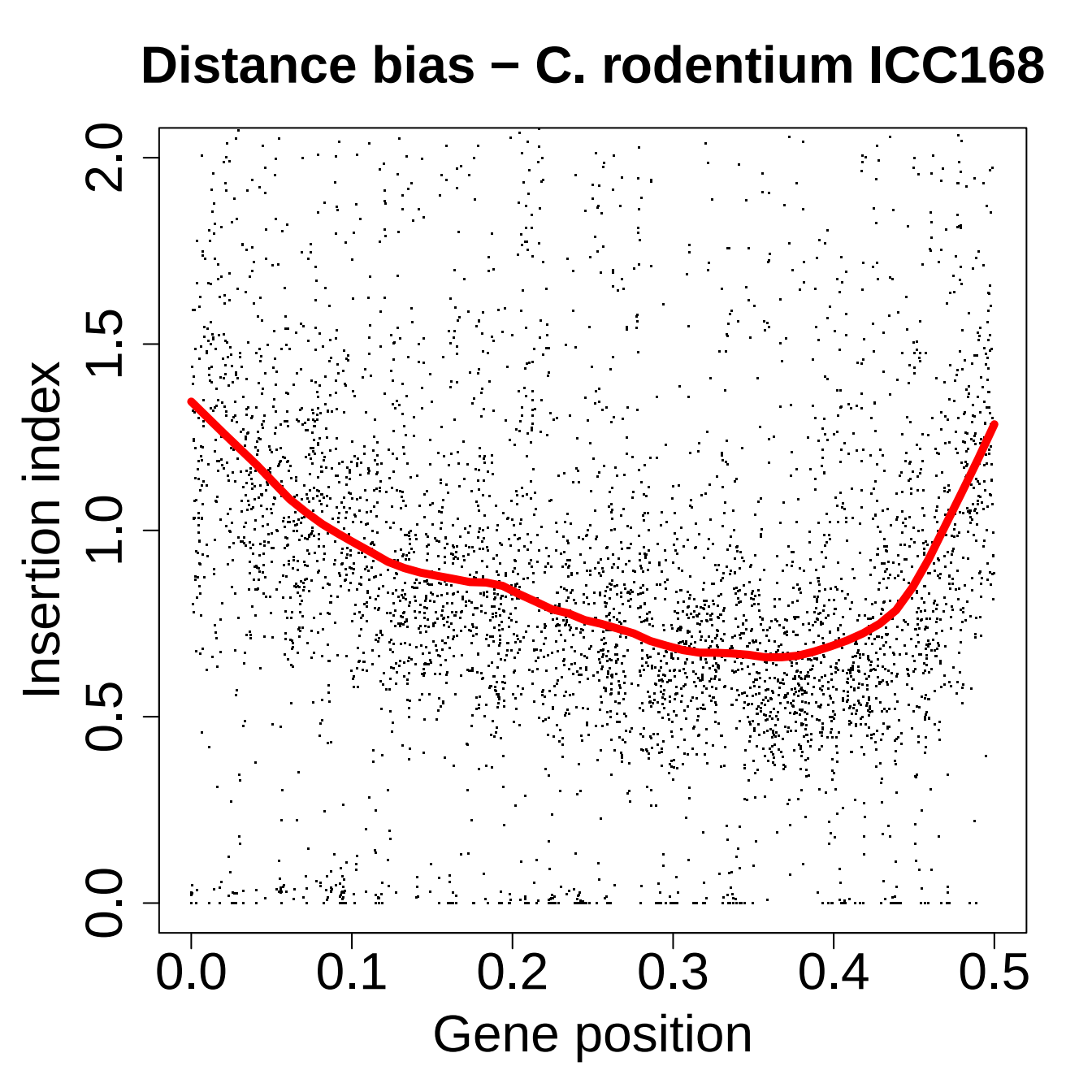

GC bias − E. coli UPEC ST131
Insertion index
2.0
1.5
1.0
0.5
0.0
0.25
0.35
0.45
0.55
0.65
GC content

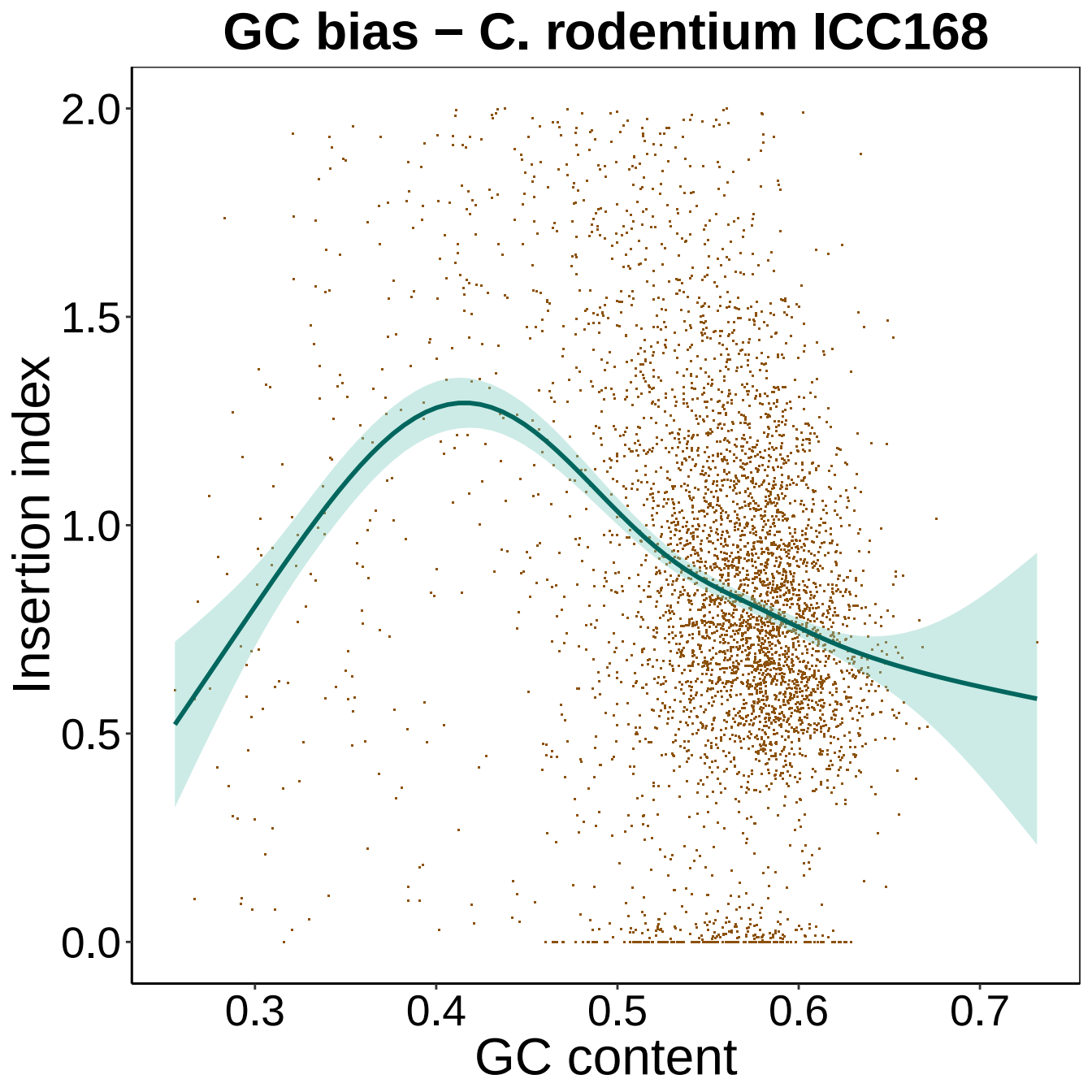

GC bias − E. coli UPEC ST131
Insertion index
2.0
1.5
1.0
0.5
0.0
0.25
0.35
0.45
0.55
0.65
GC content

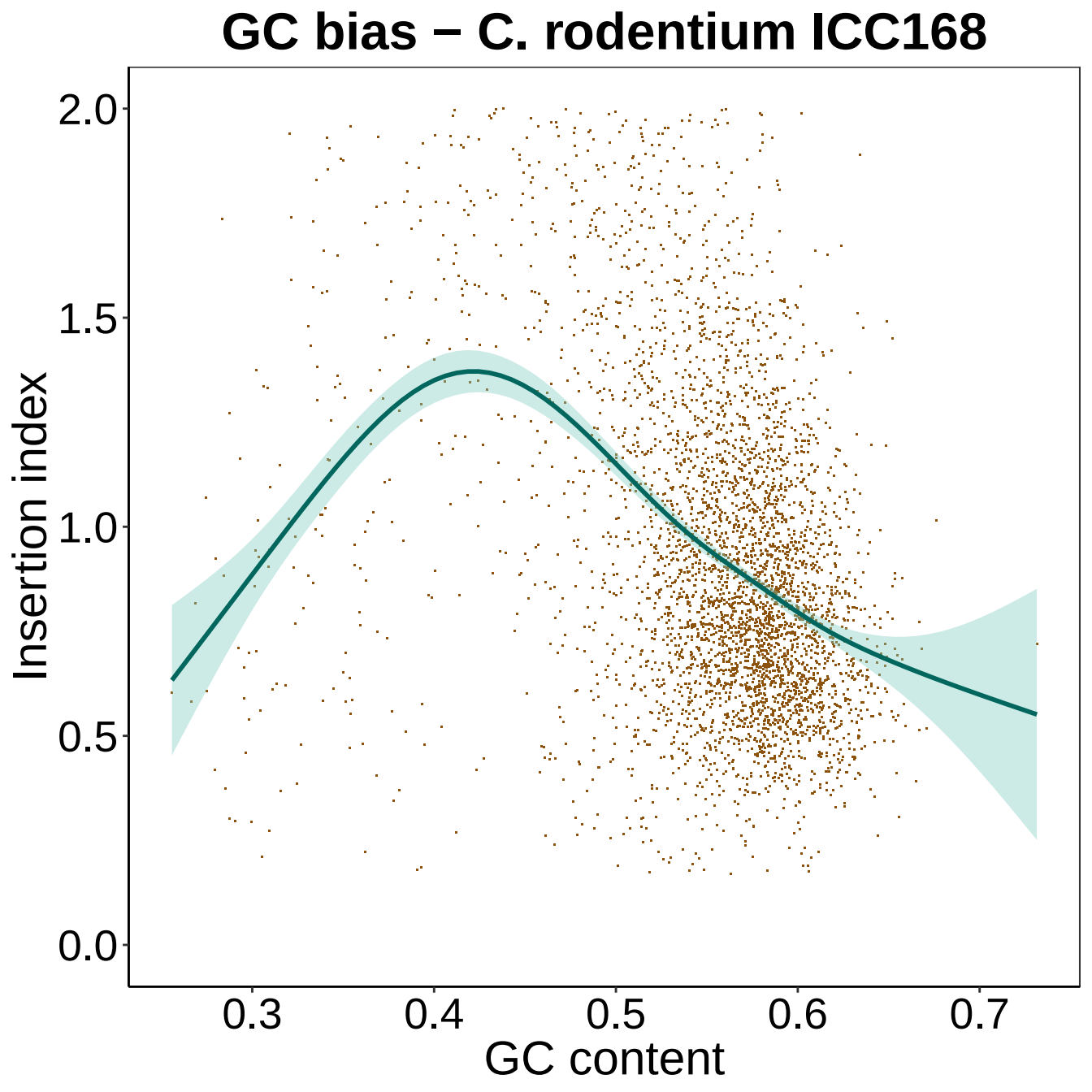

E. coli UPEC ST131 − normalised distance
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

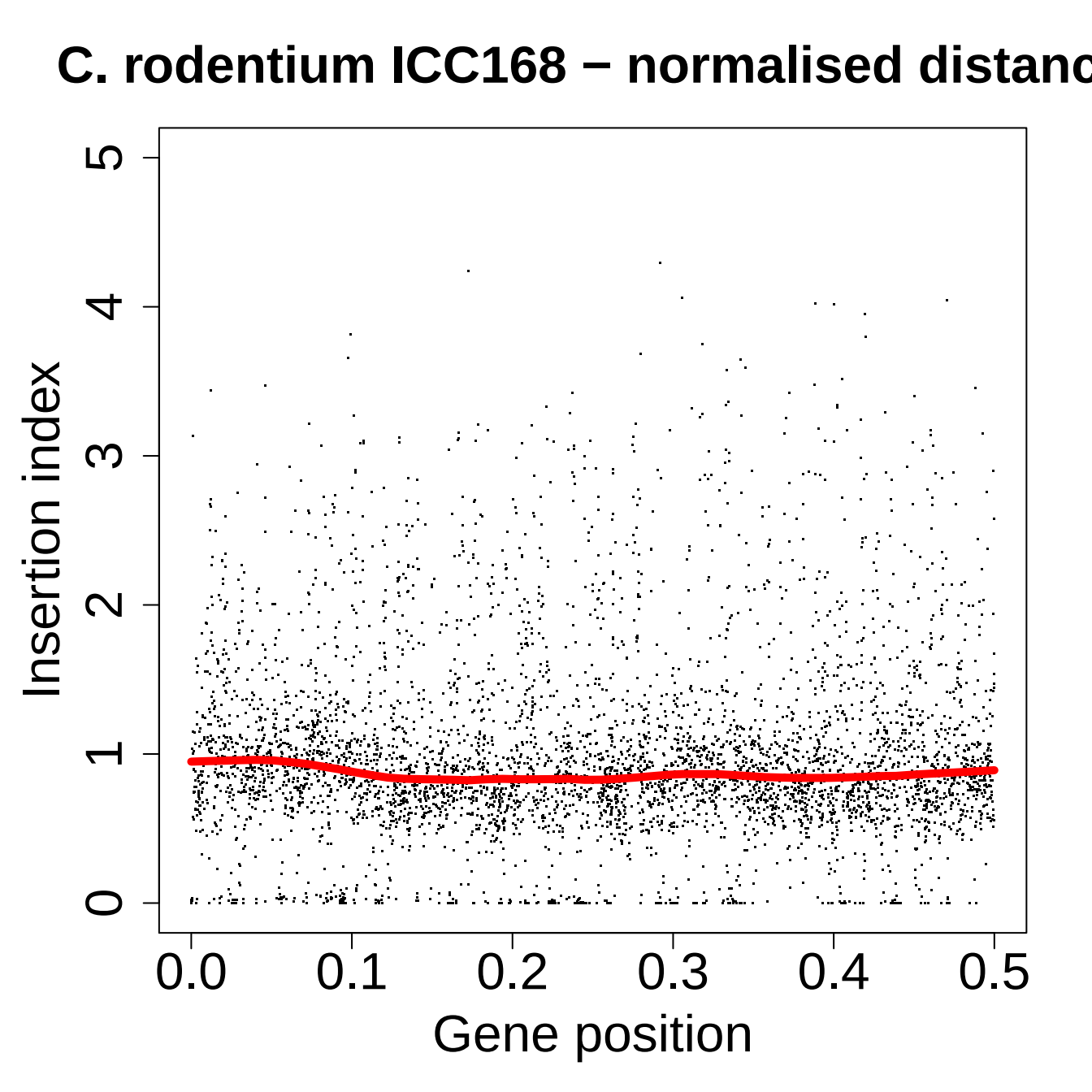

E. coli UPEC ST131 − normalised GC
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
GC content

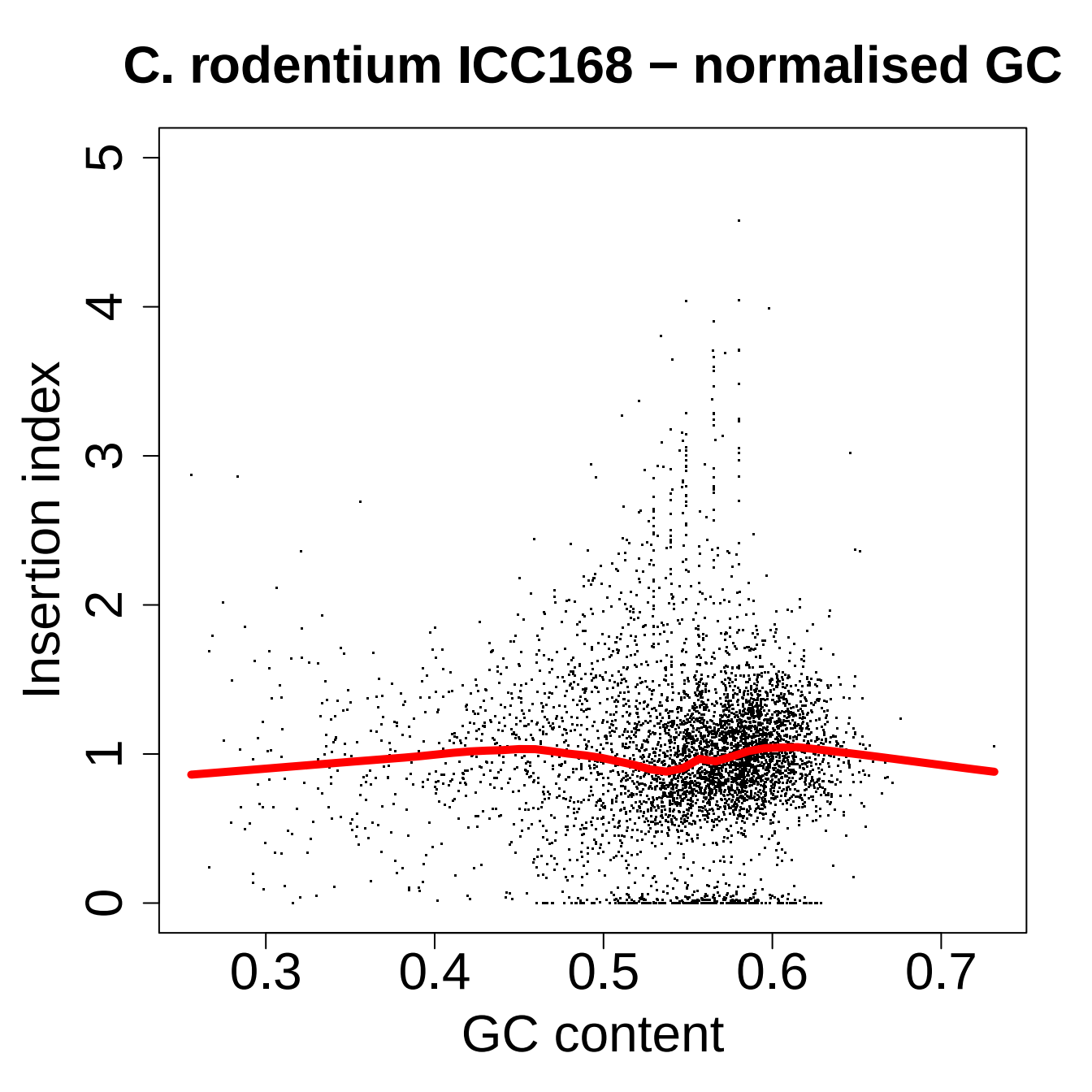

Distance bias – C. rodentium ICC168
Insertion index
2.0
1.5
1.0
0.5
0.0
Origin
Terminus
Origin
Gene position

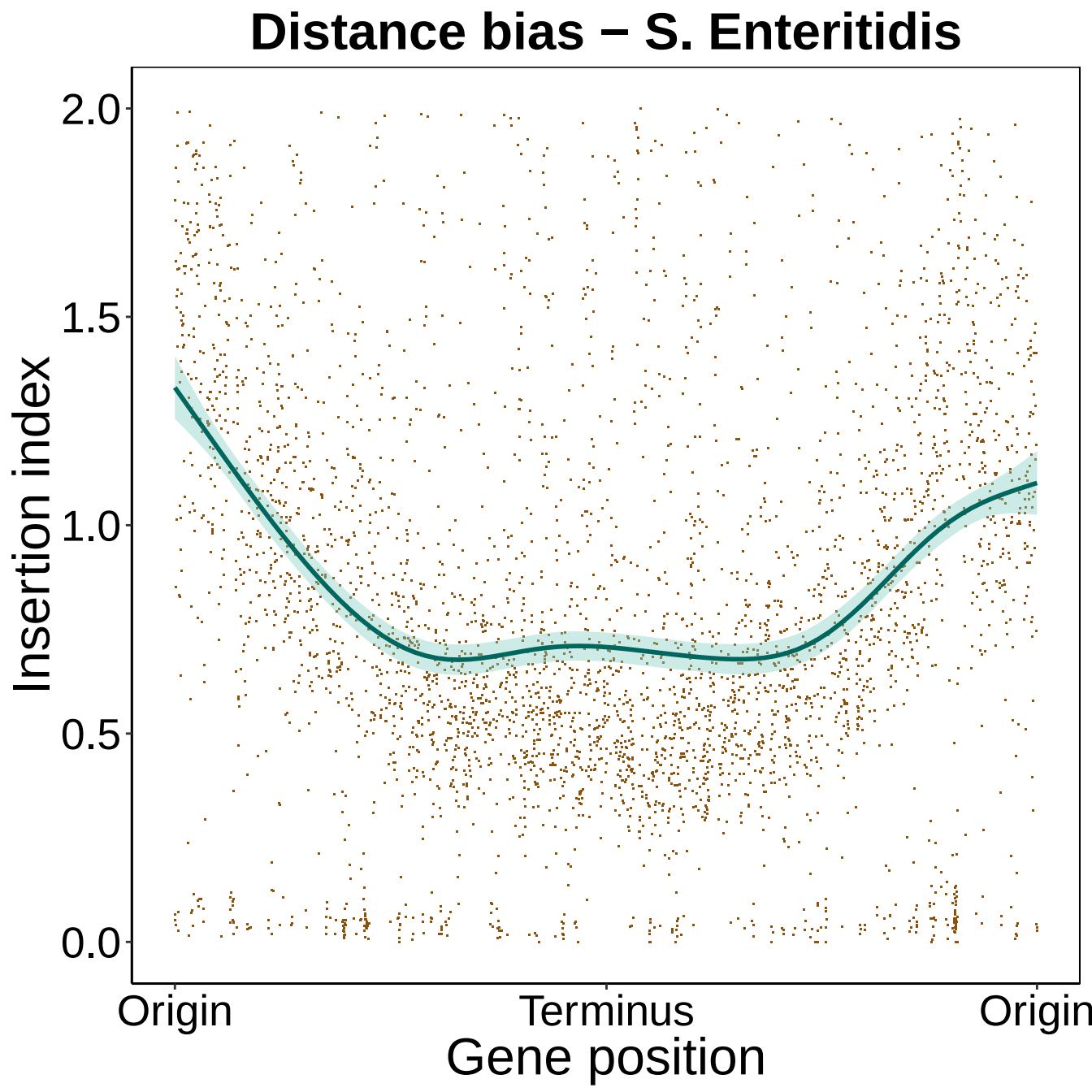

Distance bias – C. rodentium ICC168
Insertion index
0.0
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

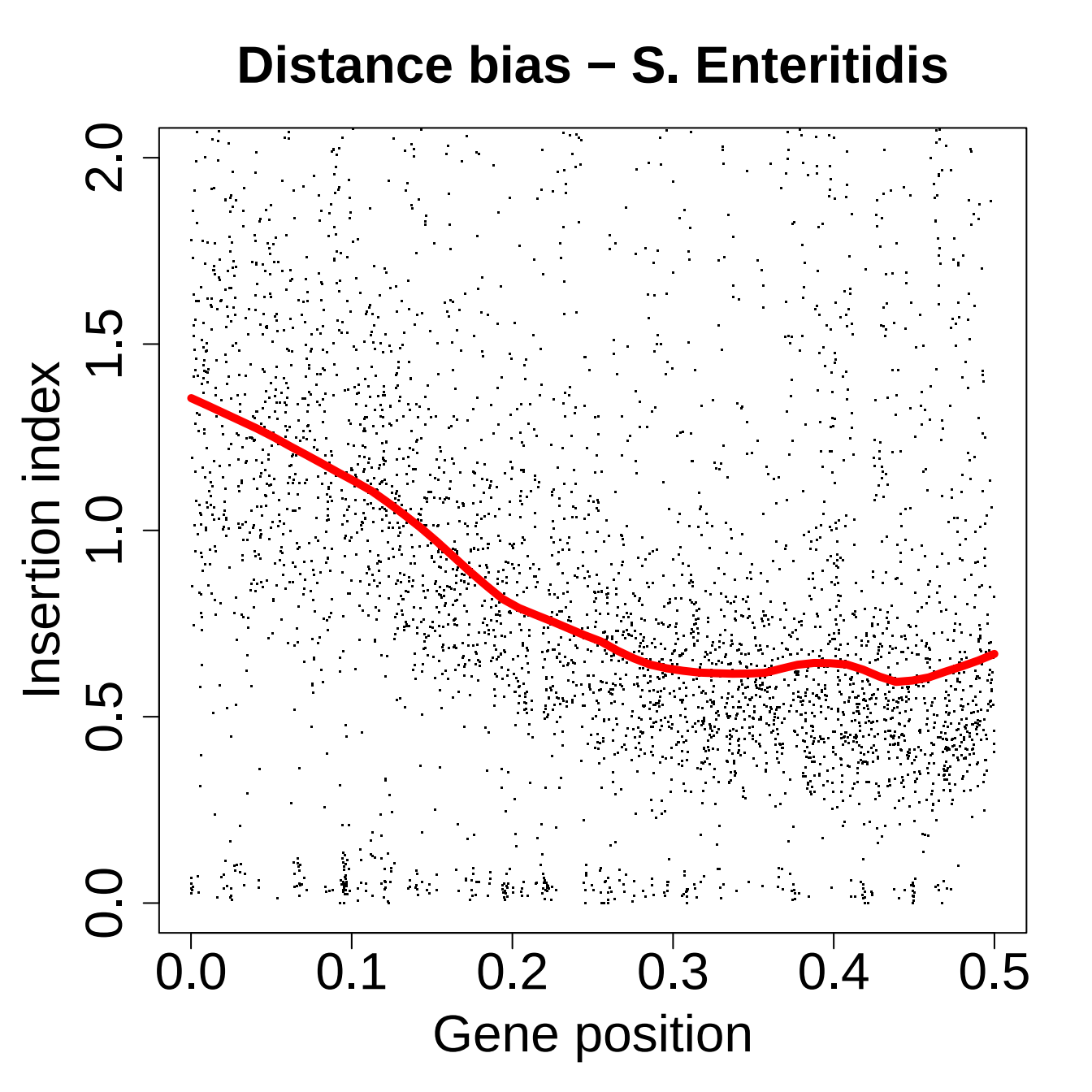

GC bias – C. rodentium ICC168
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content


GC bias – C. rodentium ICC168
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content


C. rodentium ICC168 − normalised distanc
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


C. rodentium ICC168 − normalised GC
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
0.7
GC content


Distance bias – S. Enteritidis
Insertion index
2.0
1.5
1.0
0.5
0.0
Origin
Terminus
Origin
Gene position


Distance bias − S. Enteritidis
Insertion index
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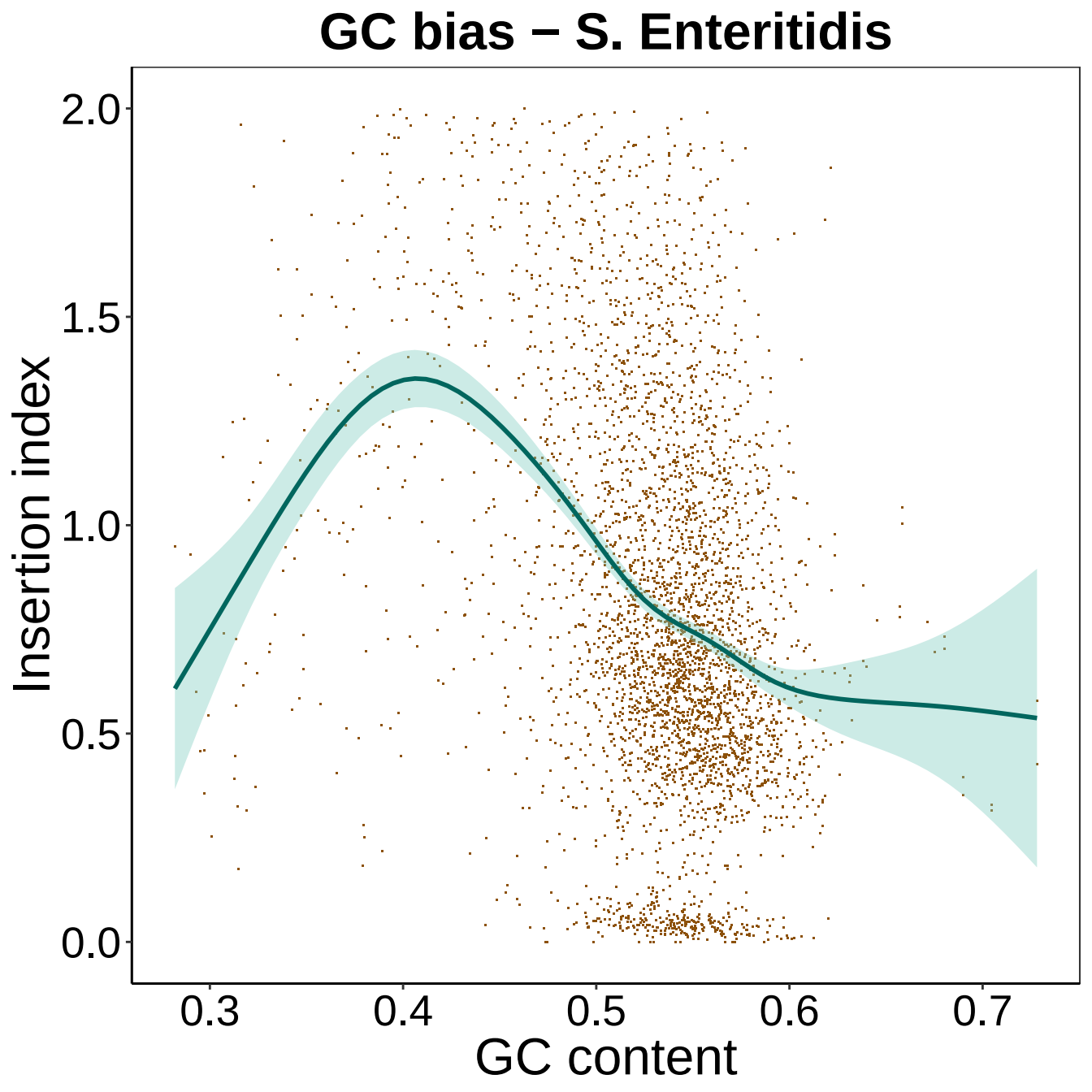
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


GC bias – S. Enteritidis
Insertion index
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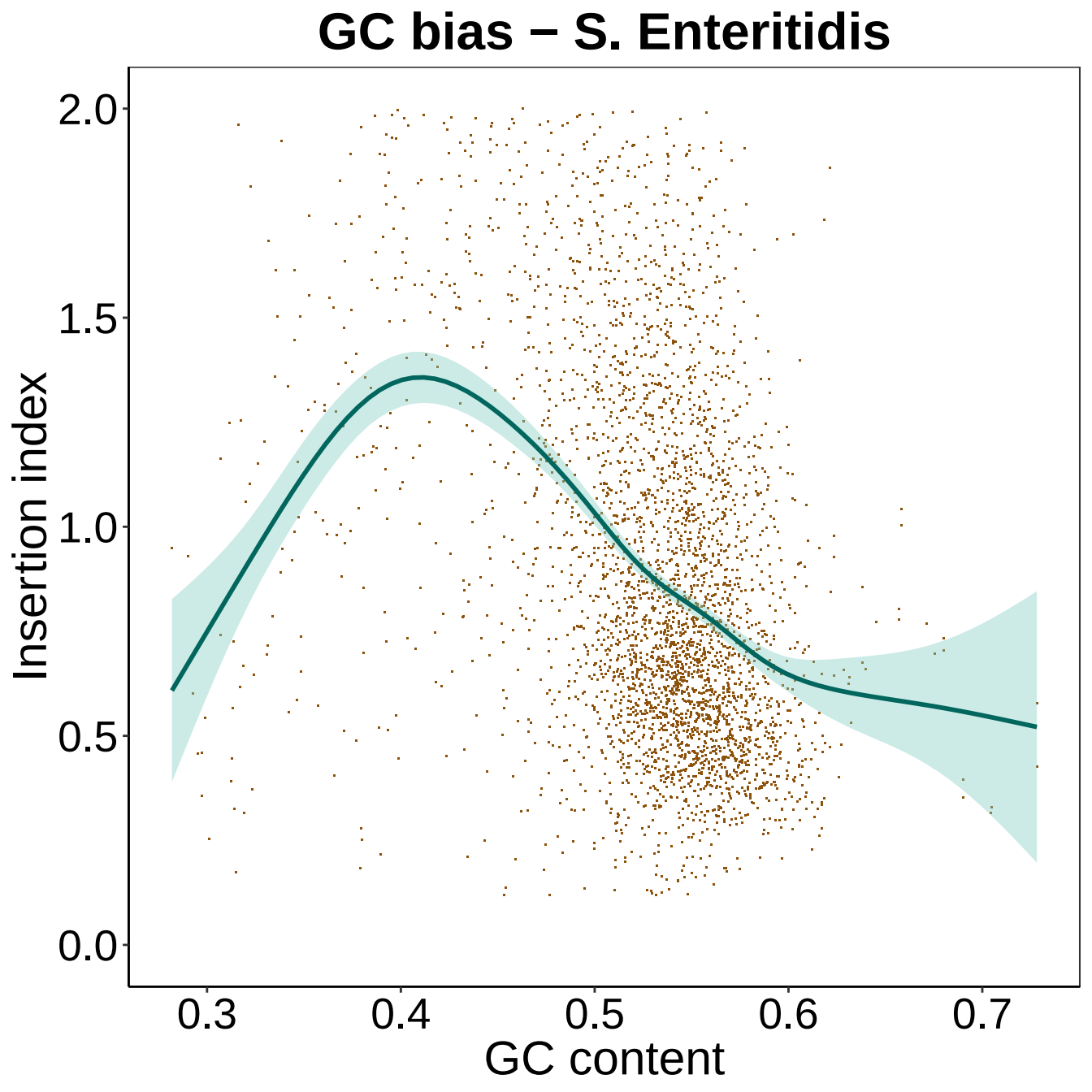
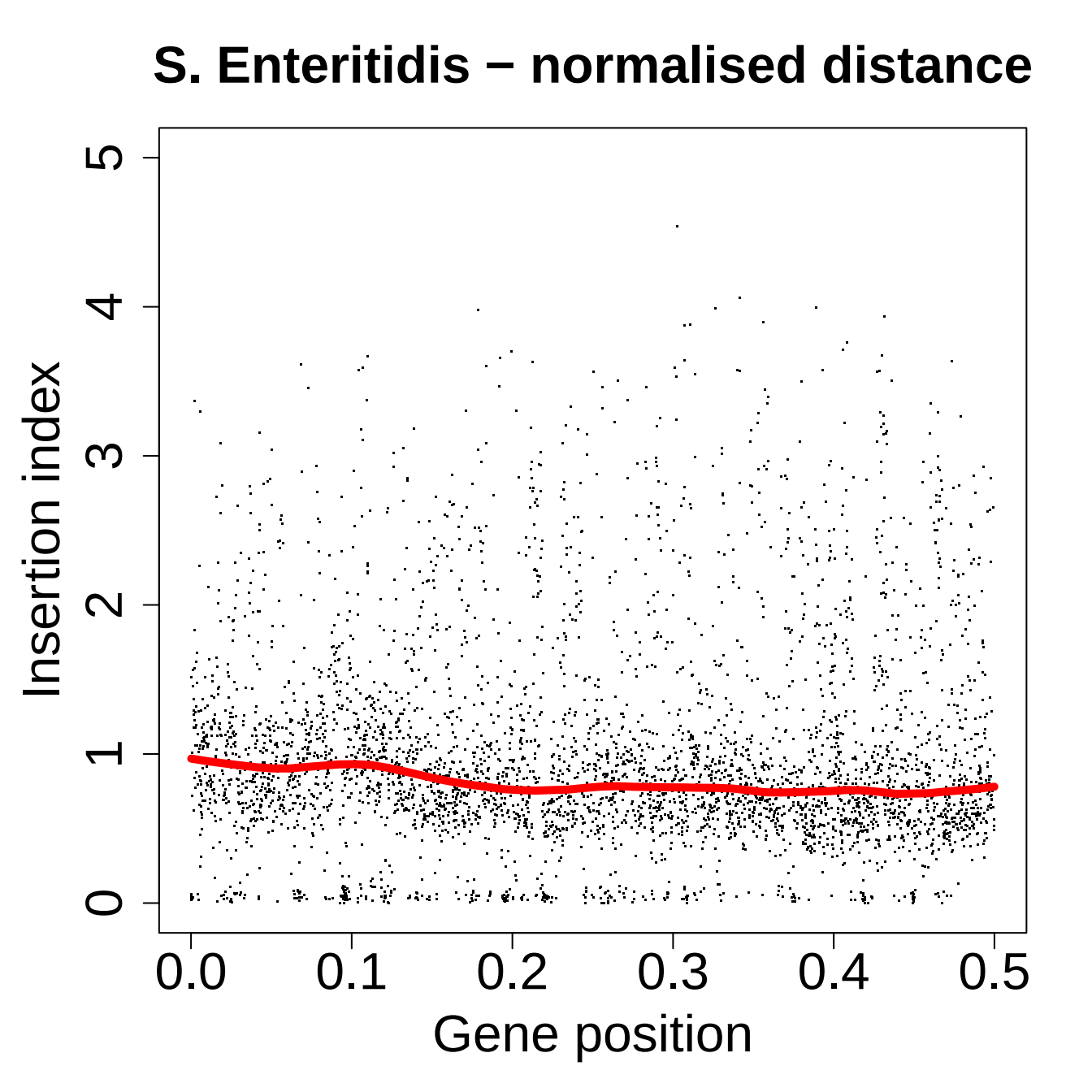
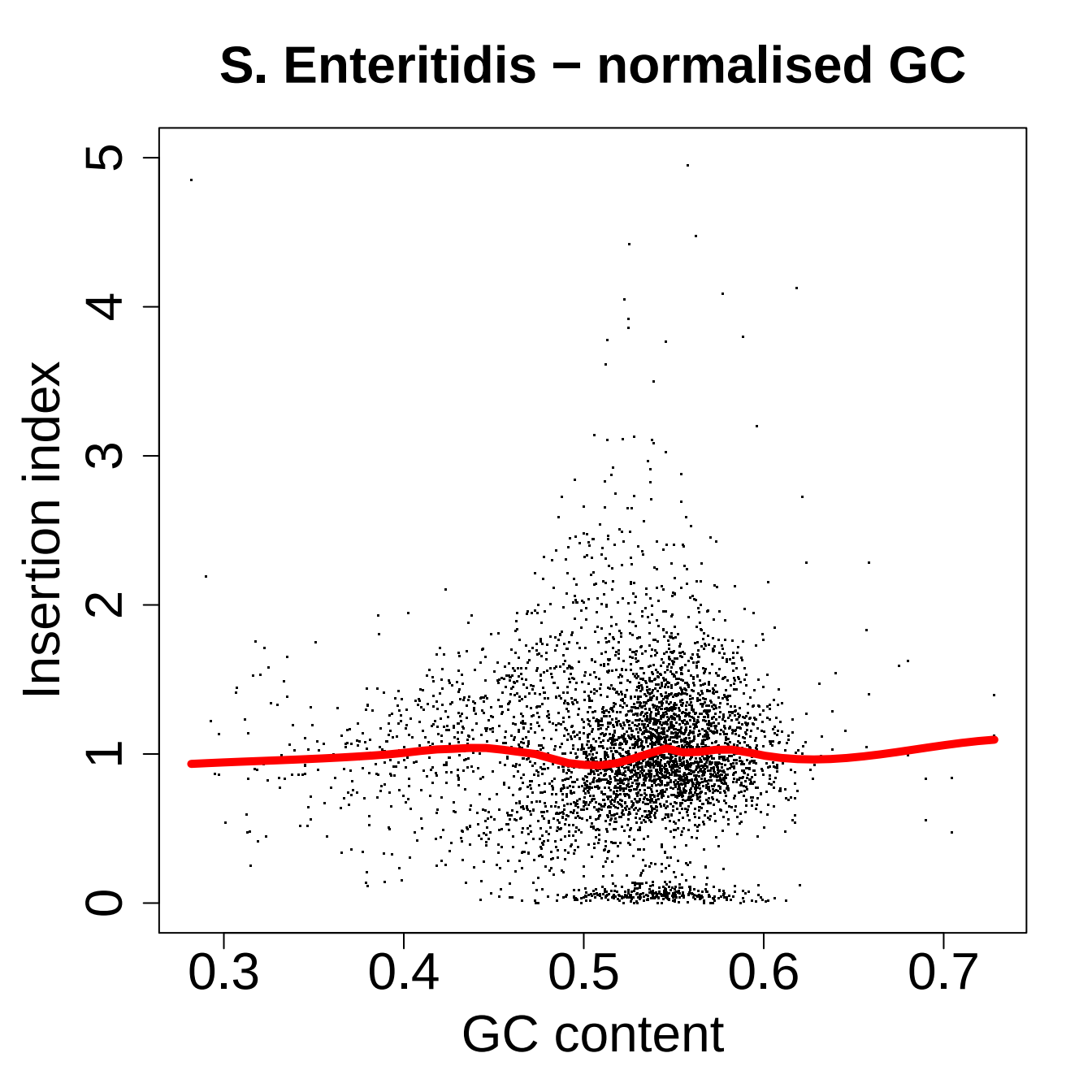
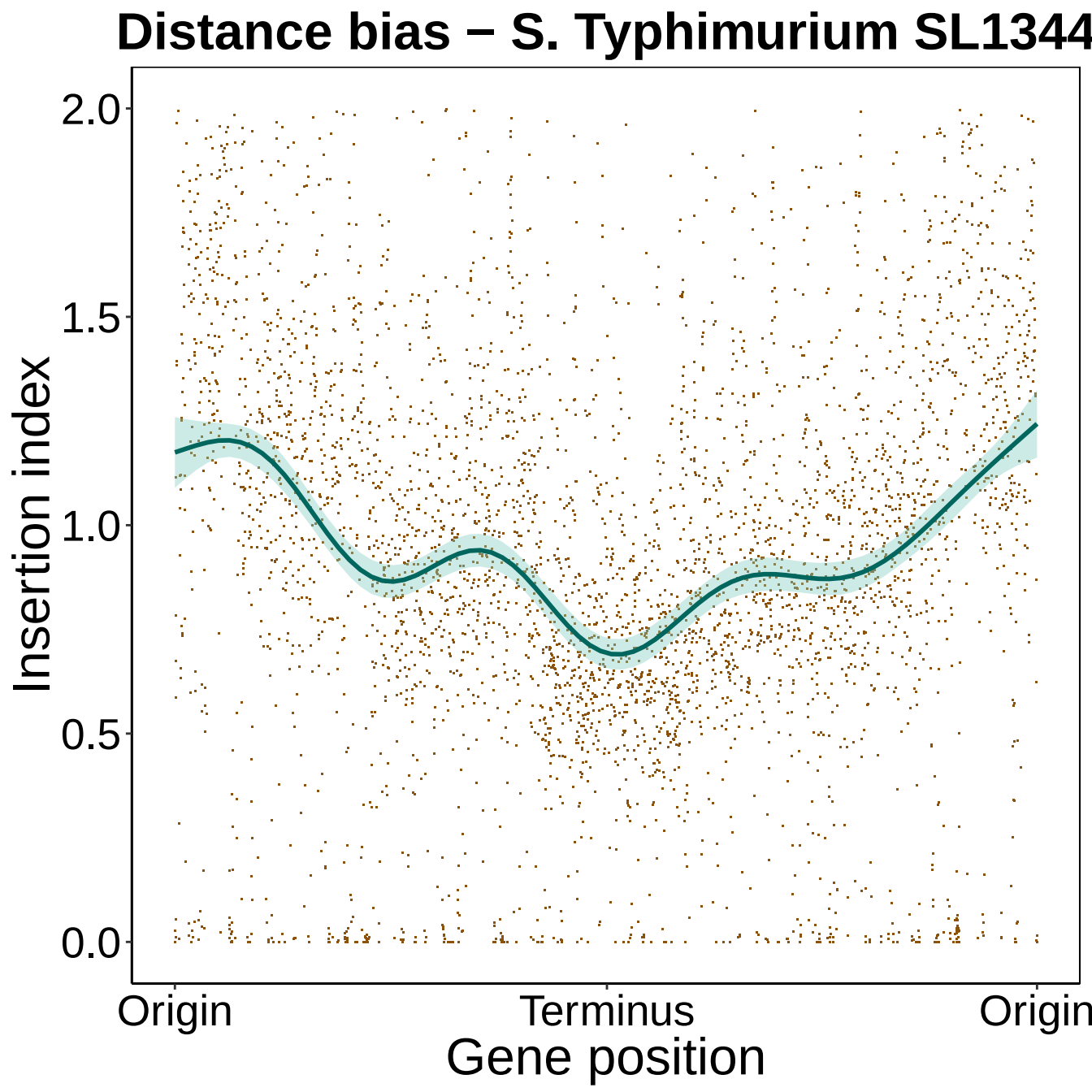
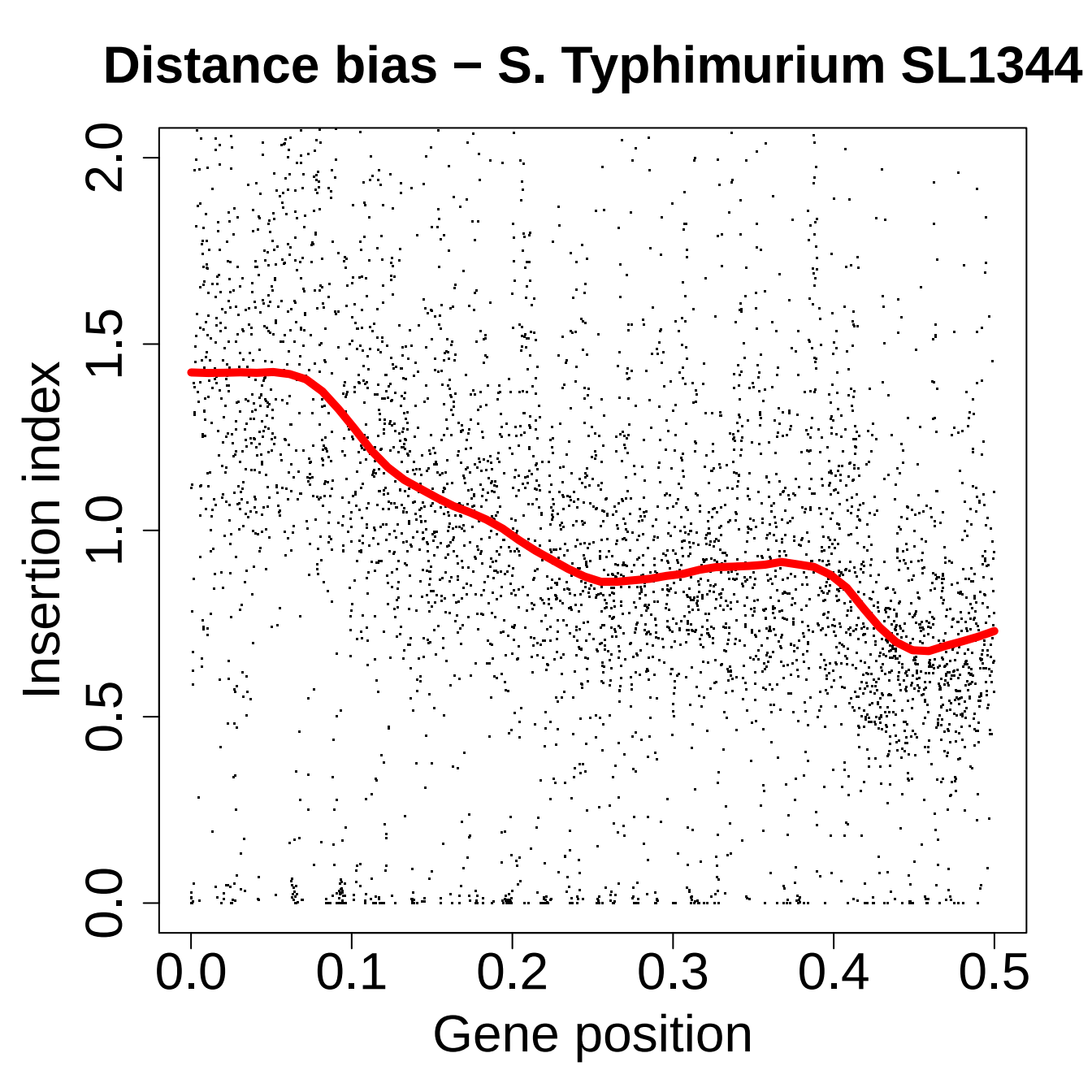
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content

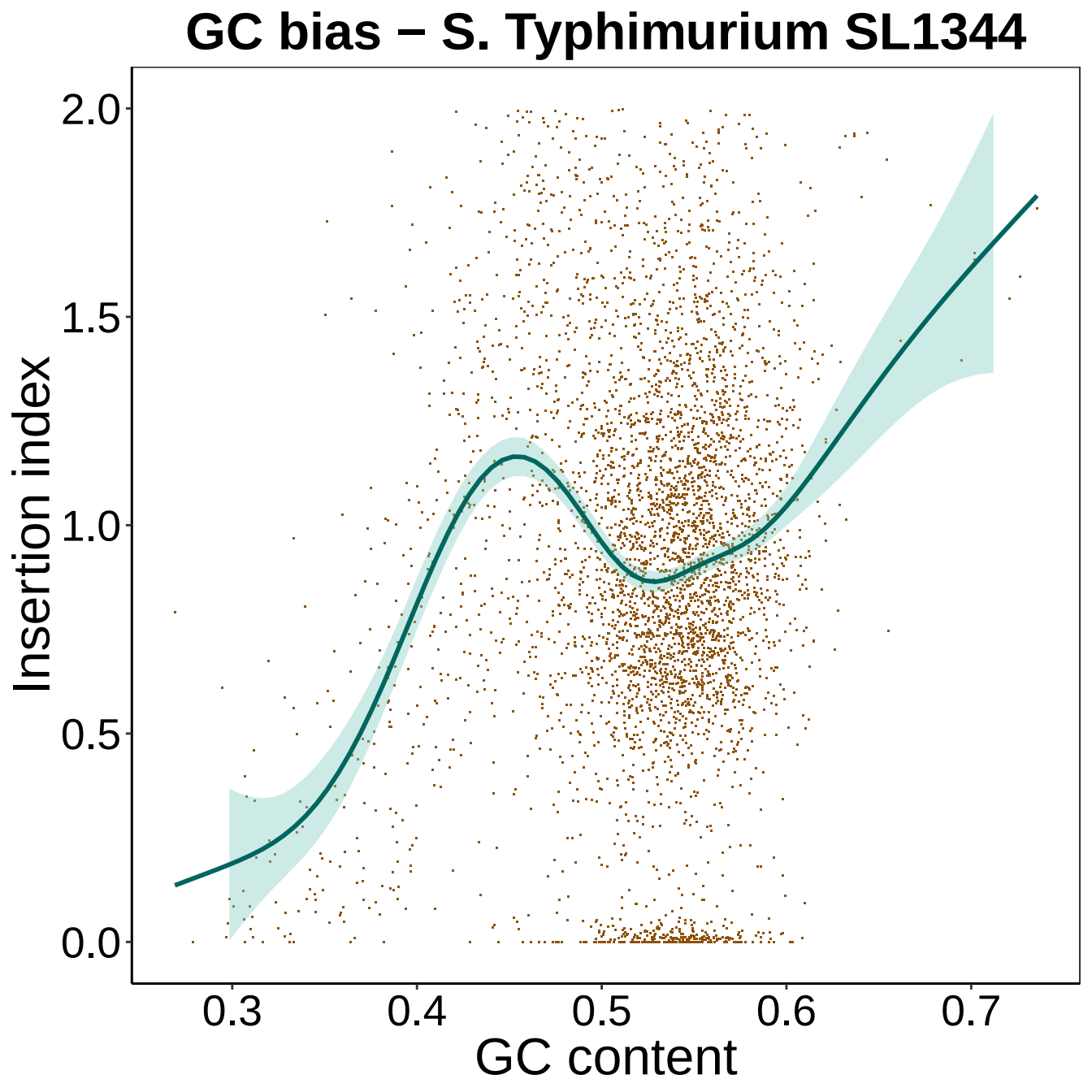

GC bias – S. Enteritidis
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content


S. Enteritidis − normalised distance
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


S. Enteritidis − normalised GC
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
0.7
GC content


Distance bias − S. Typhimurium SL1344
Insertion index
2.0
1.5
1.0
0.5
0.0
Origin
Terminus
Origin
Gene position


Distance bias − S. Typhimurium SL1344
Insertion index
0.0
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


GC bias – S. Typhimurium SL1344
Insertion index
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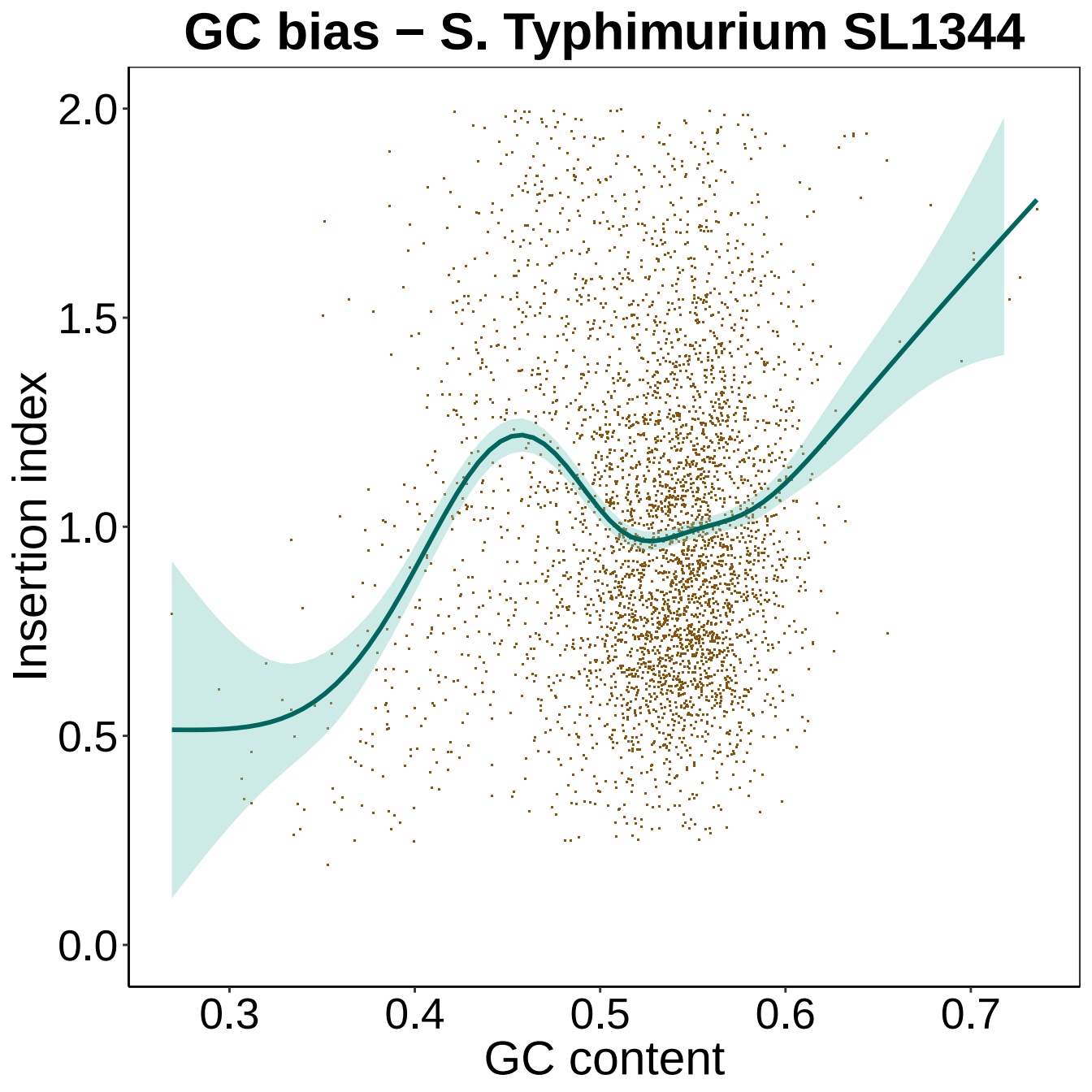
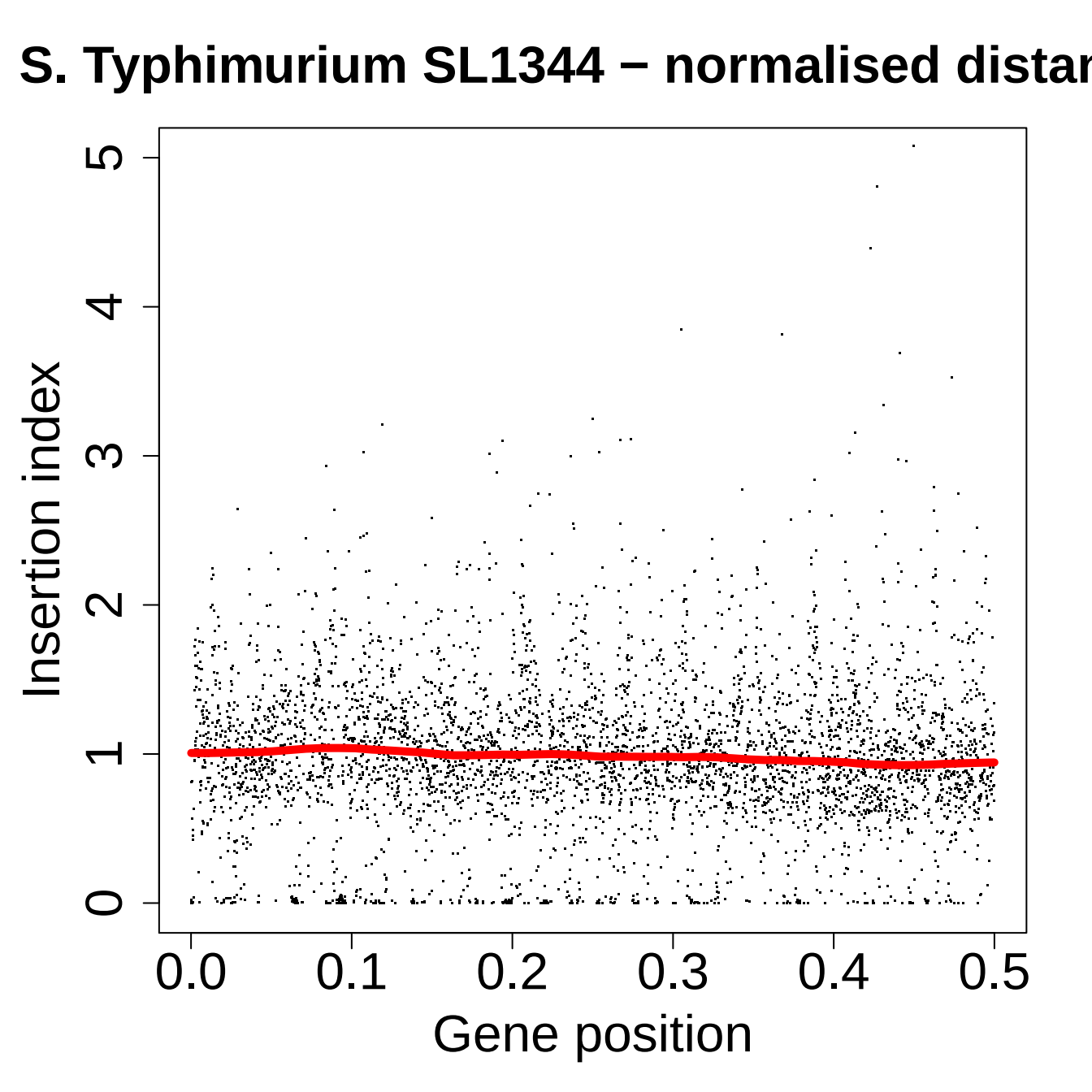
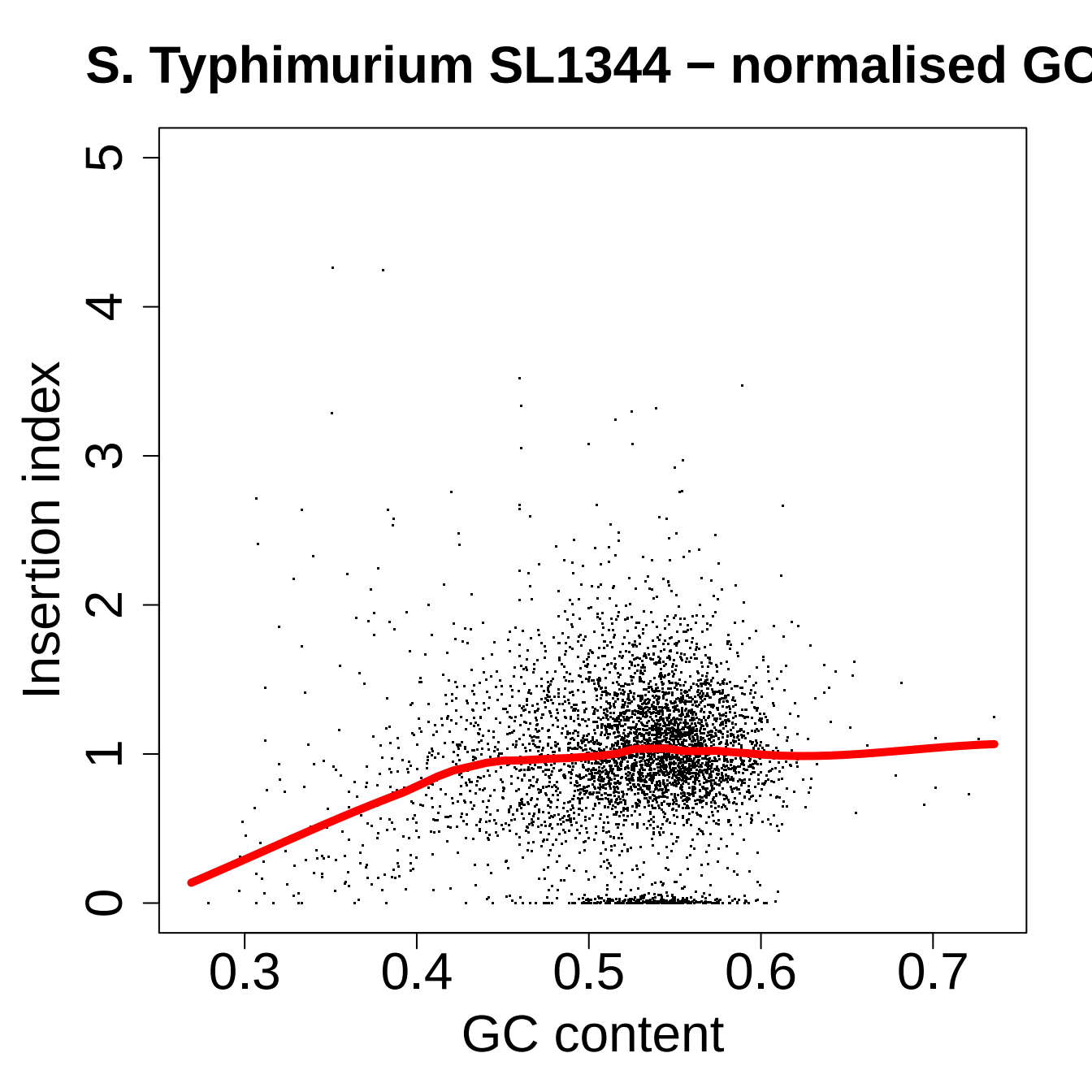
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content


GC bias – S. Typhimurium SL1344
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content


S. Typhimurium SL1344 – normalised distan
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


S. Typhimurium SL1344 − normalised GC
Insertion index
0
1
2
3
4
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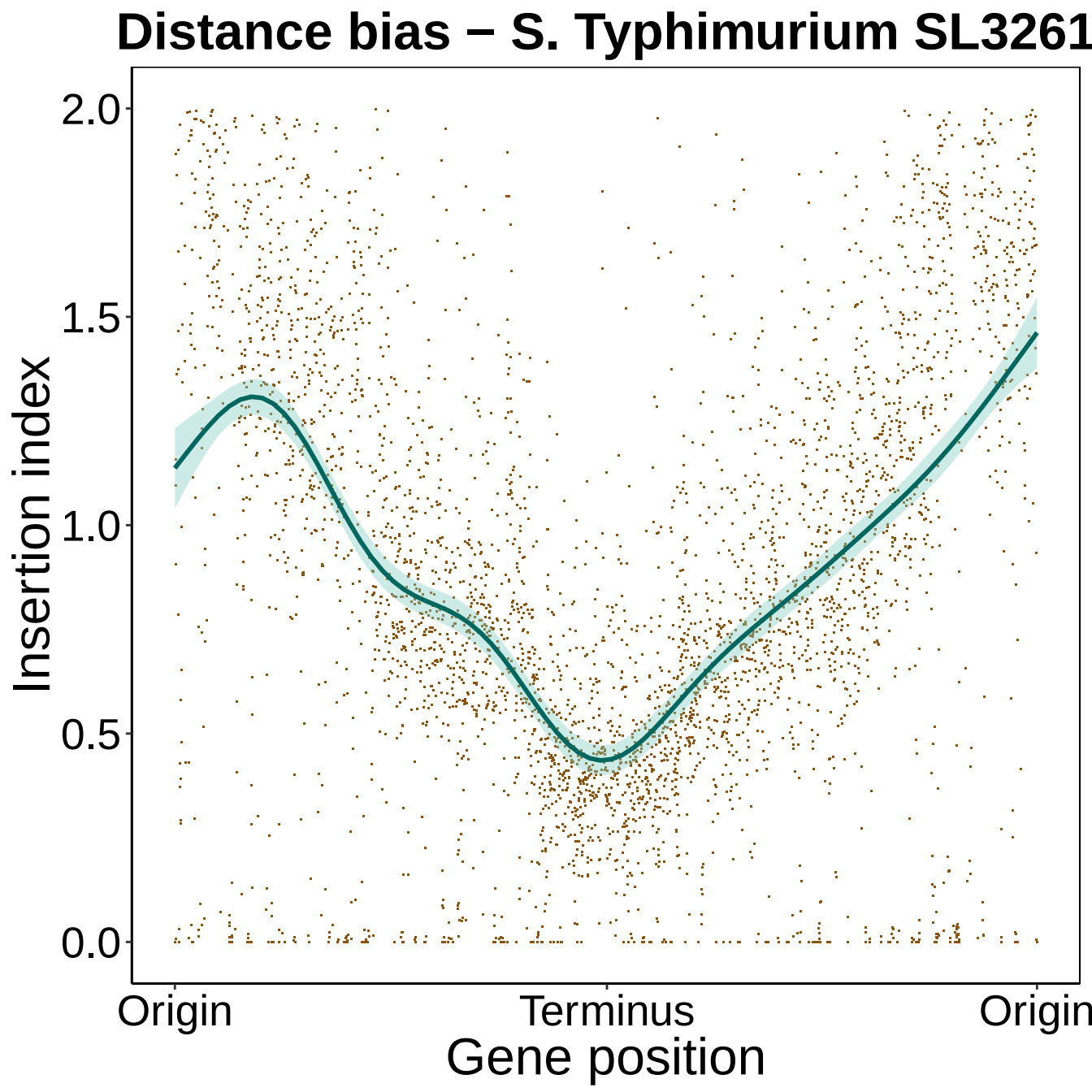
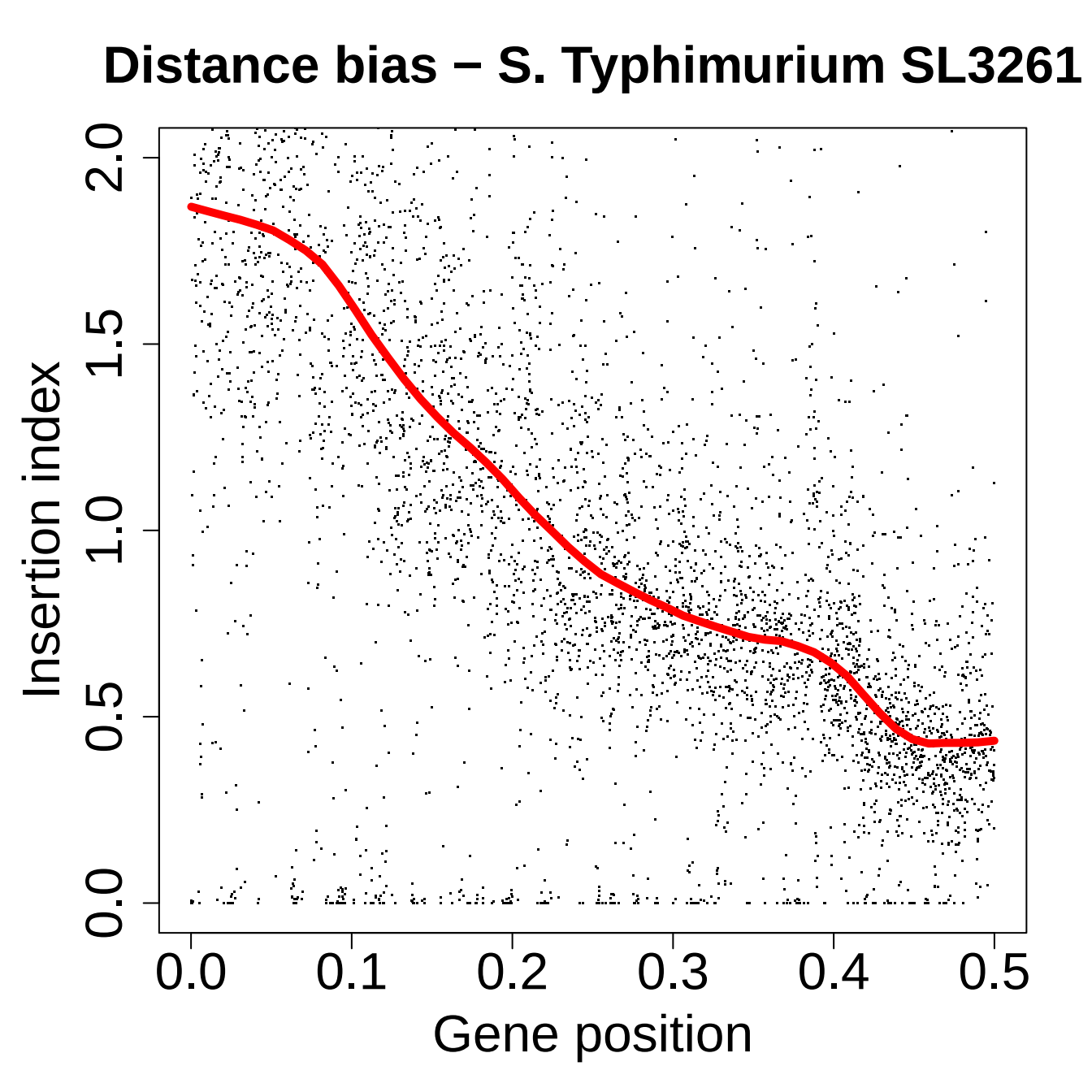
0.3
0.4
0.5
0.6
0.7
GC content


Distance bias – S. Typhimurium SL3261
Insertion index
2.0
1.5
1.0
0.5
0.0
Origin
Terminus
Origin
Gene position


Distance bias − S. Typhimurium SL3261
Insertion index
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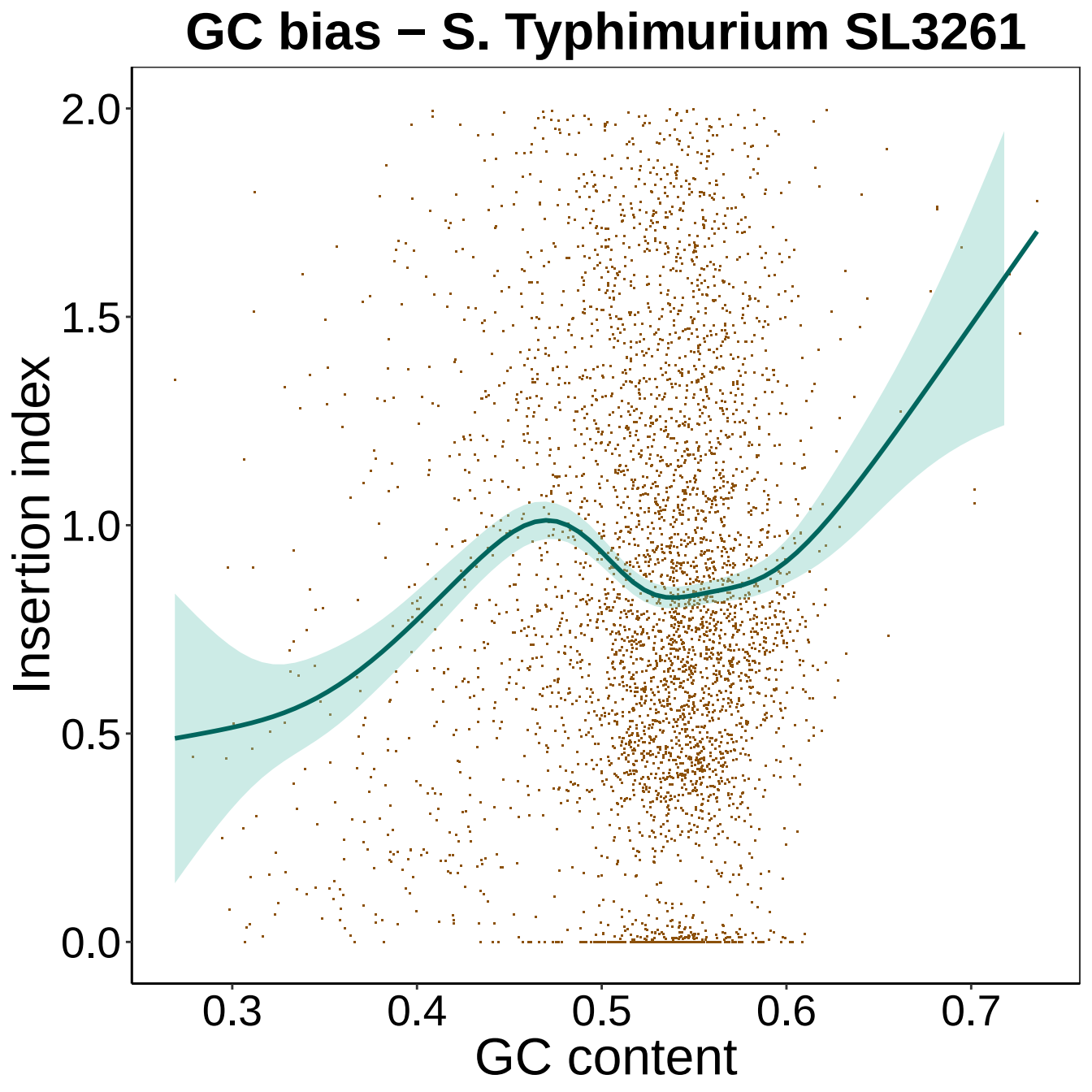
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


GC bias – S. Typhimurium SL3261
Insertion index
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1.0
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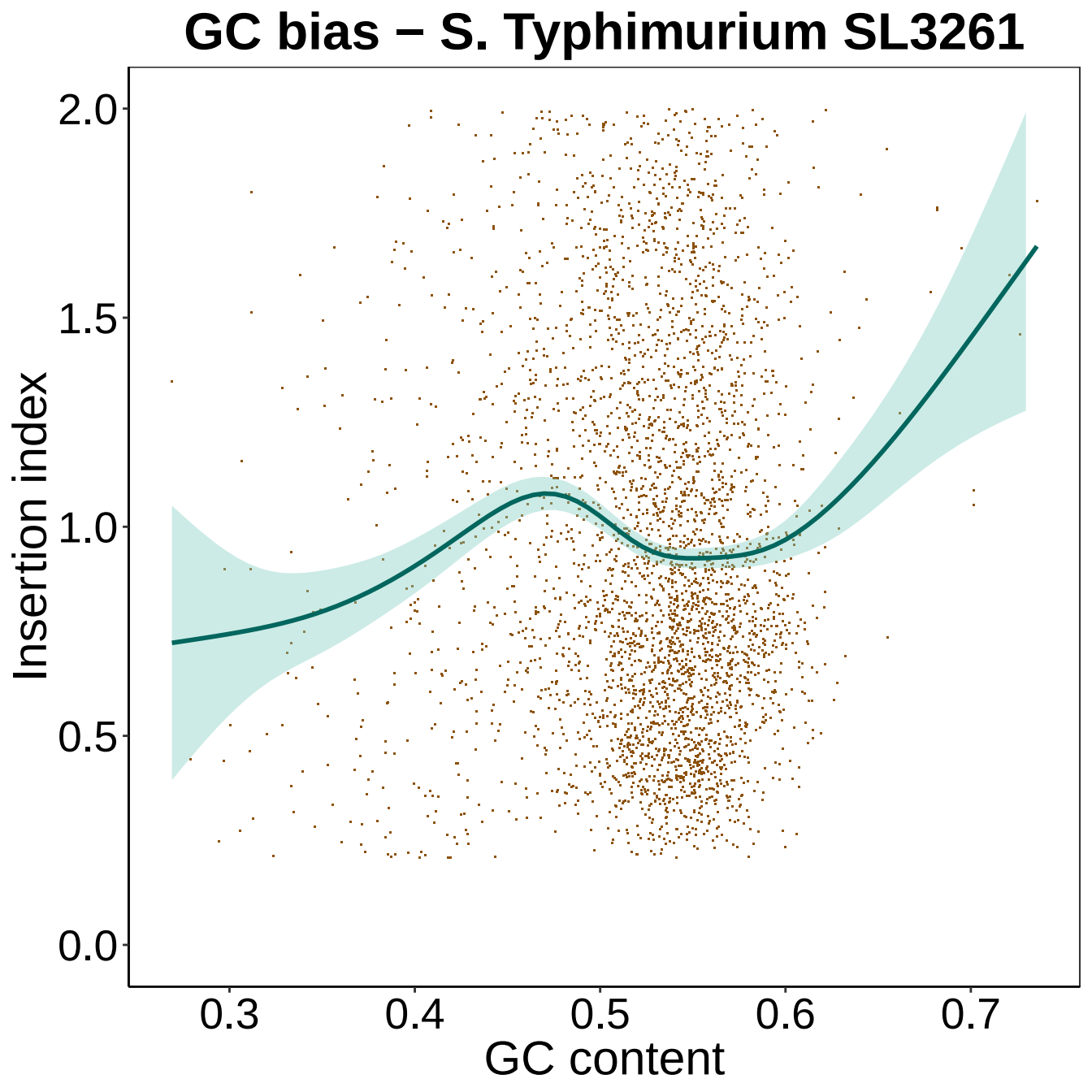
0.0
0.3
0.4
0.5
0.6
0.7
GC content


GC bias – S. Typhimurium SL3261
Insertion index
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1.5
1.0
0.5
0.0
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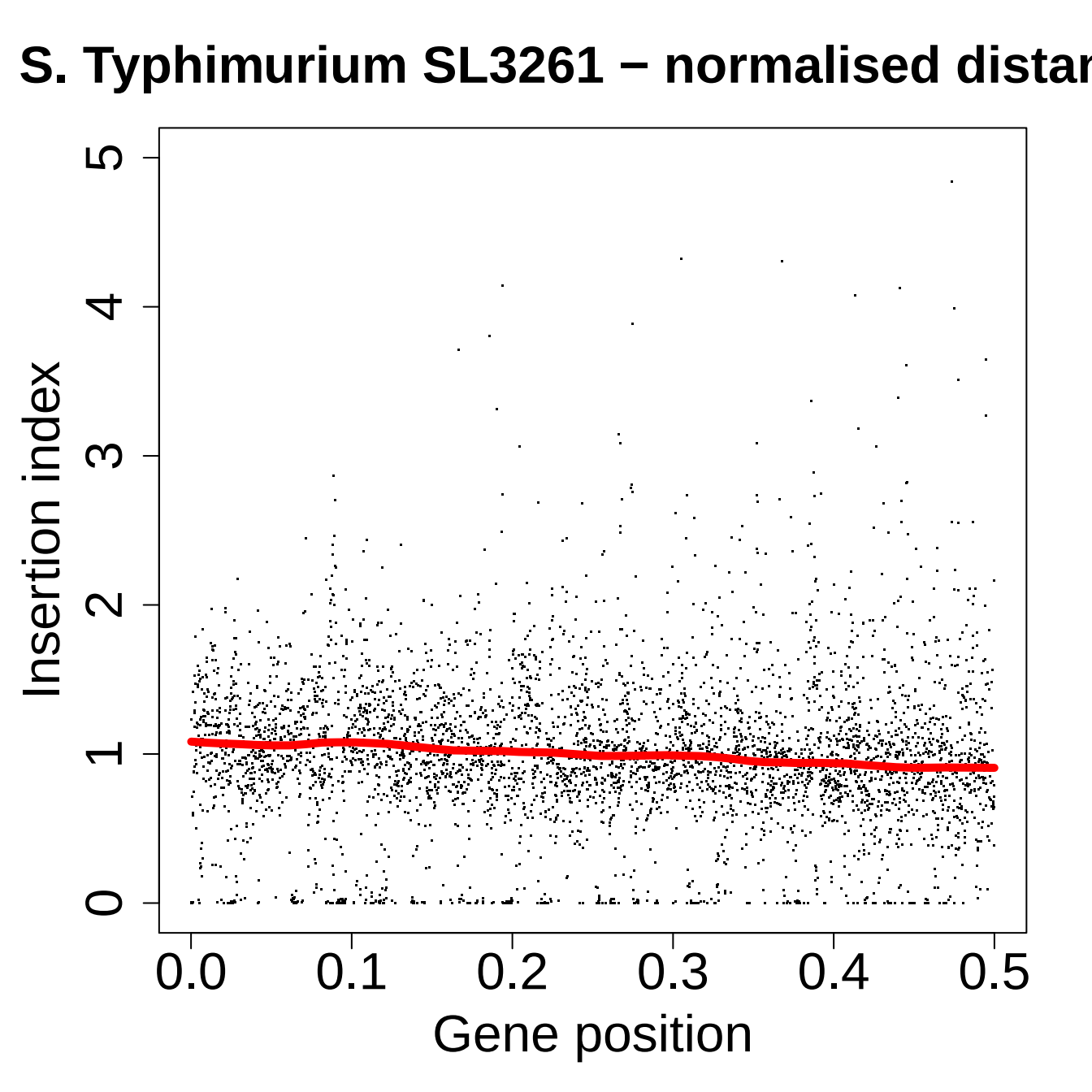
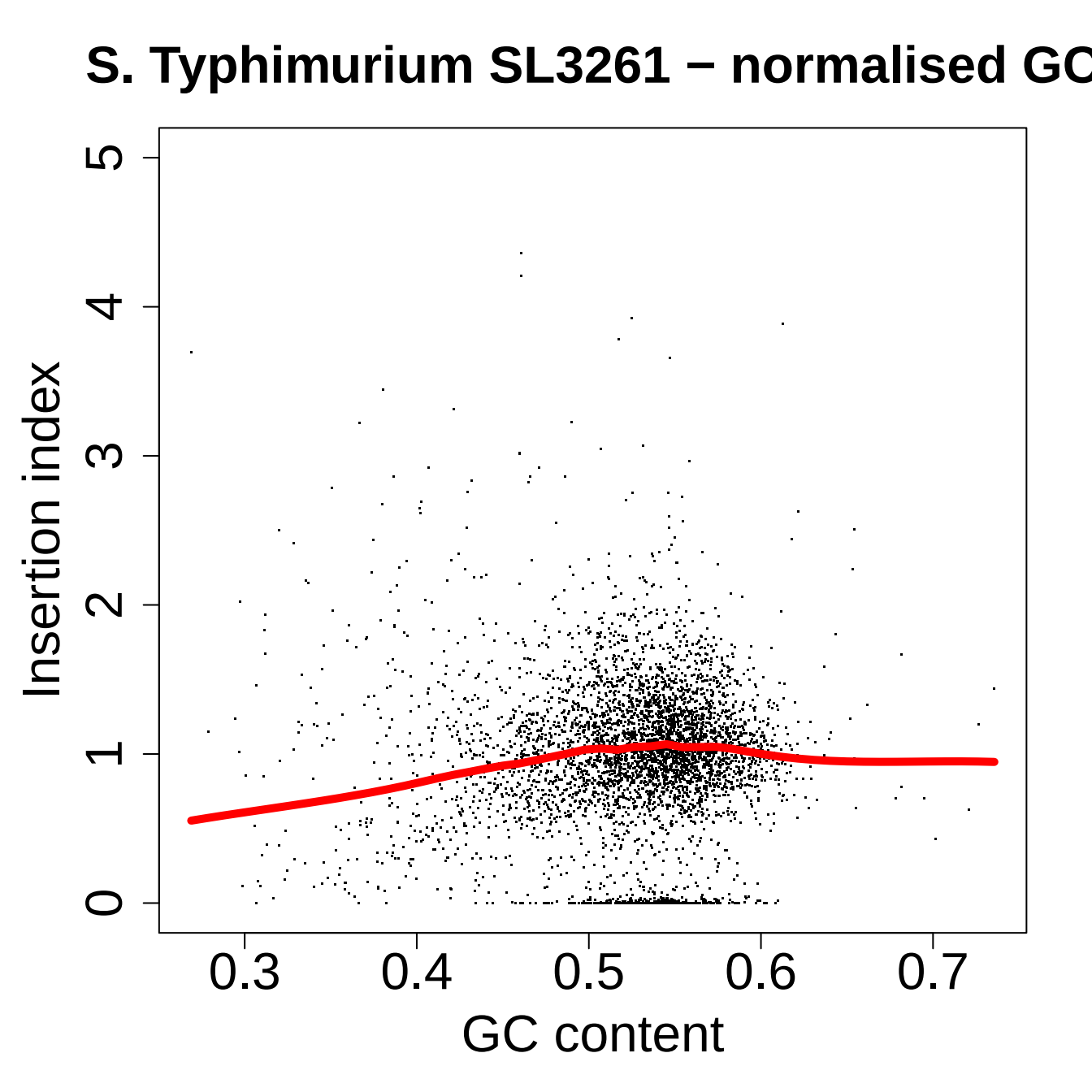
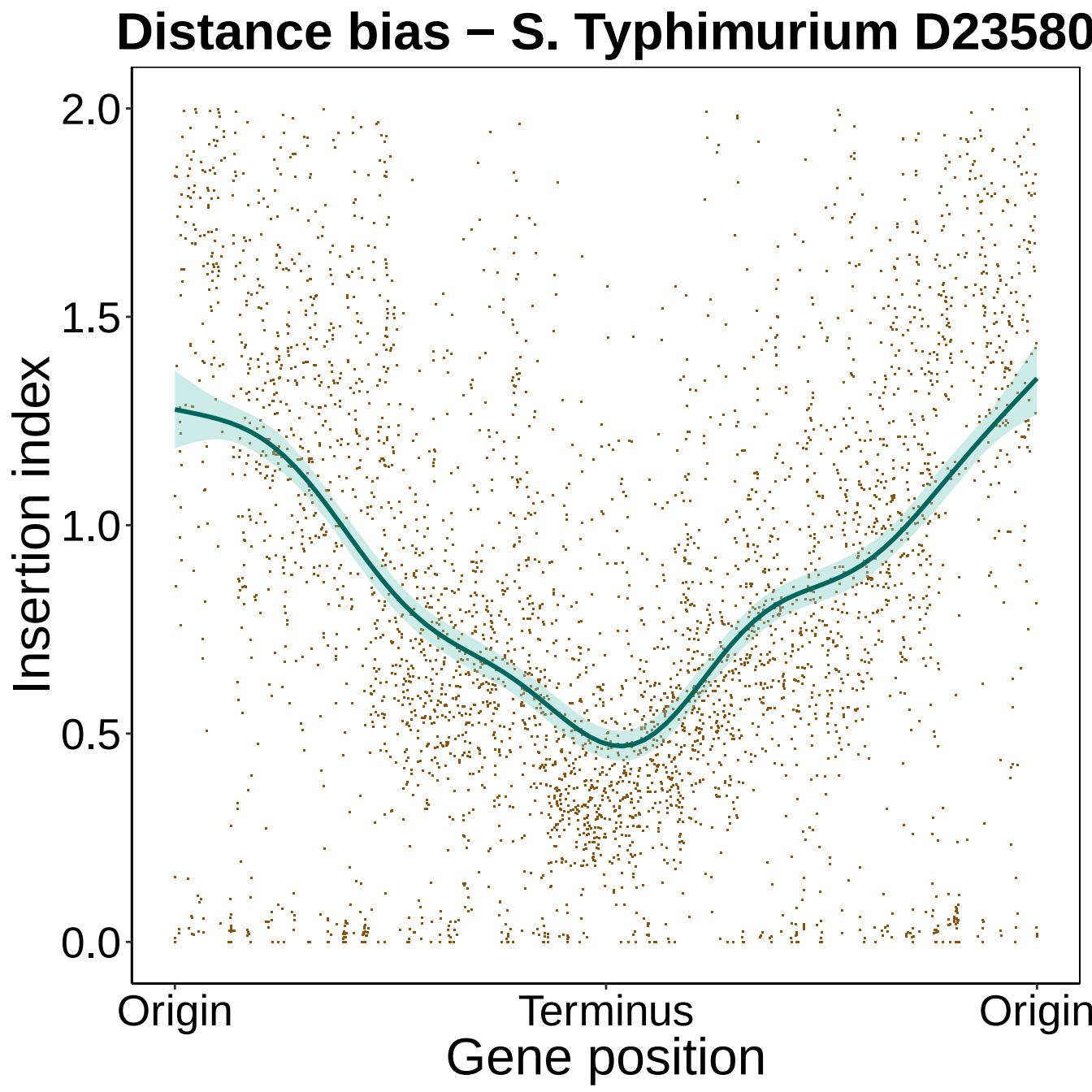
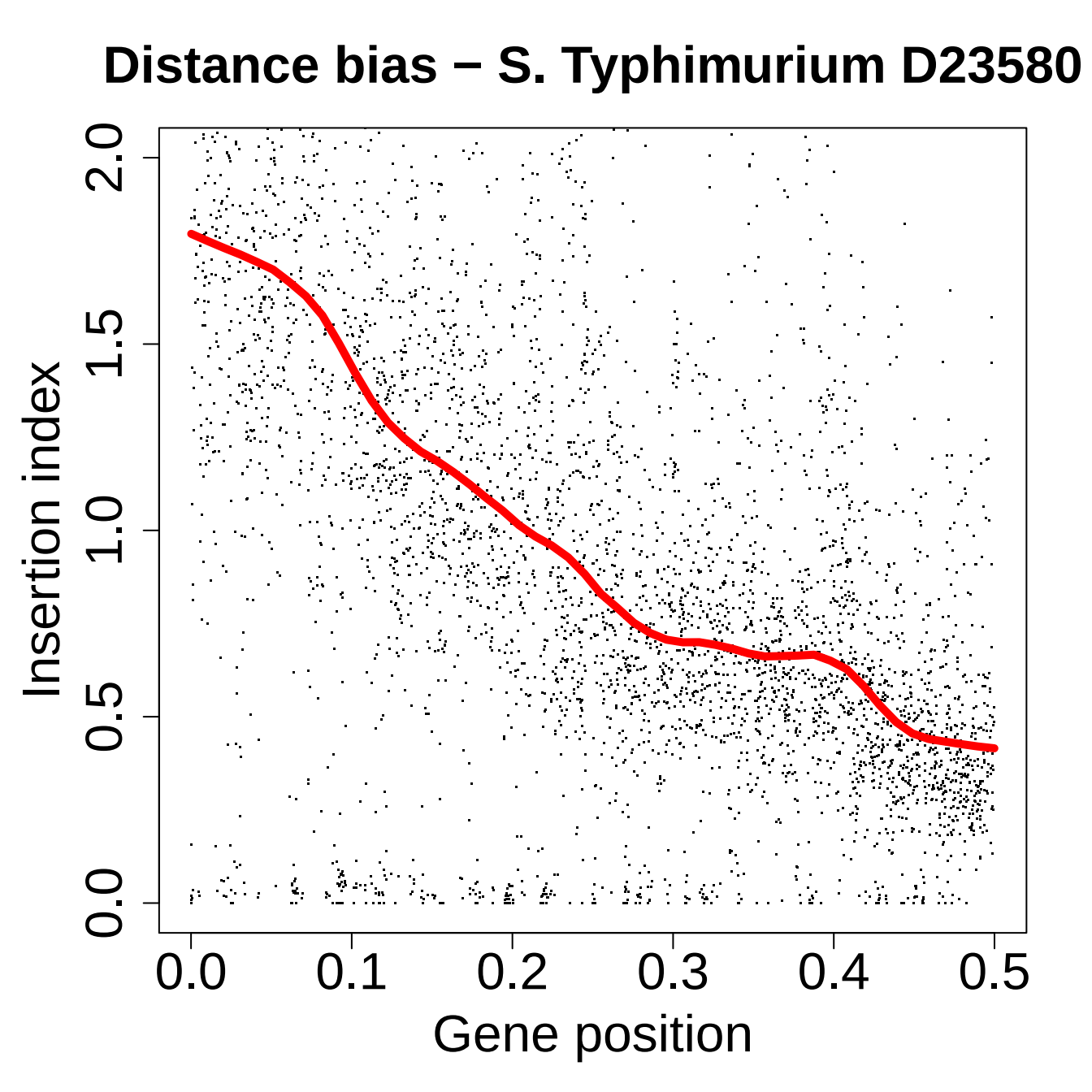
0.6
0.7
GC content


S. Typhimurium SL3261 – normalised distar
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


S. Typhimurium SL3261 − normalised GC
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
0.7
GC content


Distance bias − S. Typhimurium D23580
2.0
1.5
1.0
0.5
0.0
Insertion index
Origin
Terminus
Origin
Gene position


Distance bias − S. Typhimurium D23580
Insertion index
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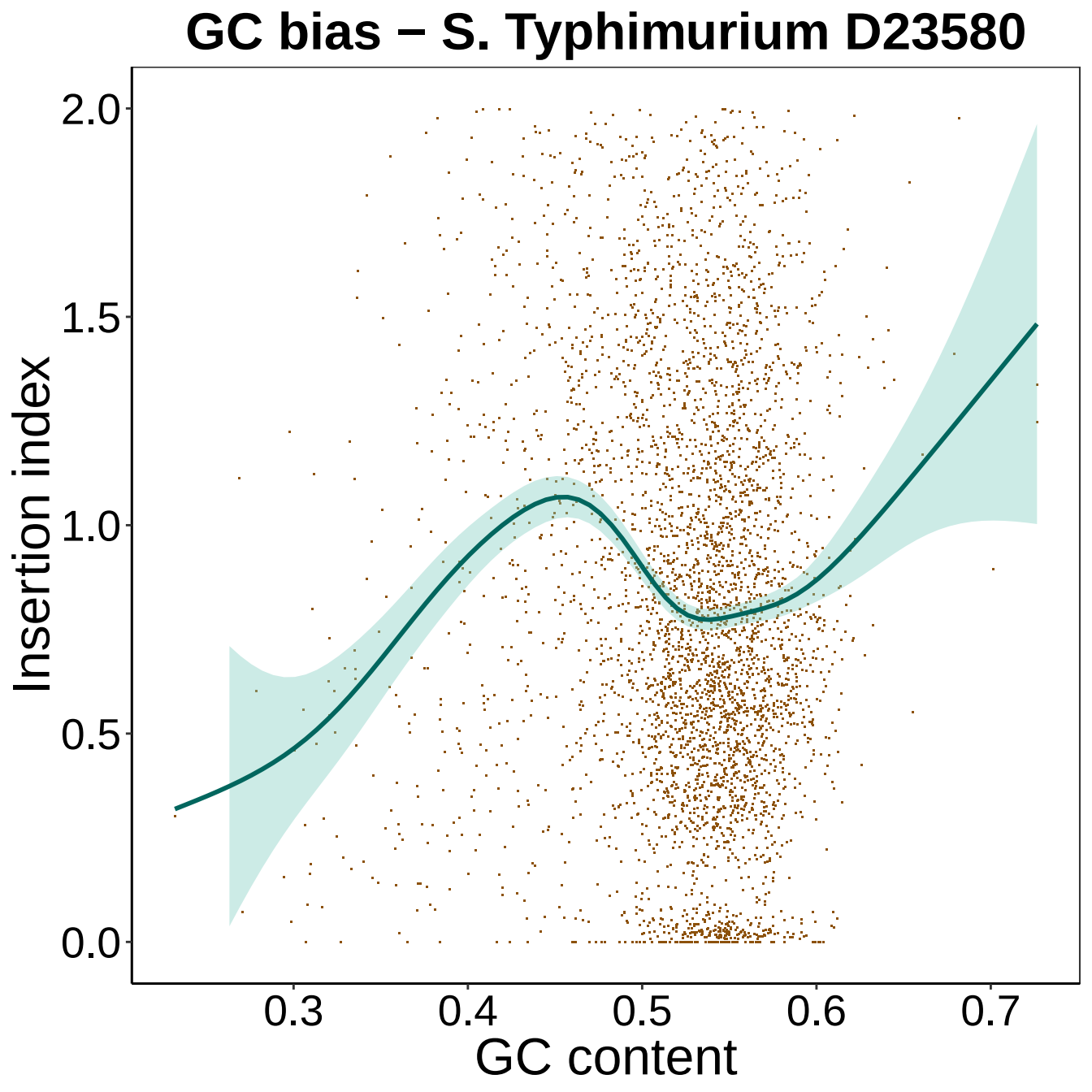
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


GC bias – S. Typhimurium D23580
Insertion index
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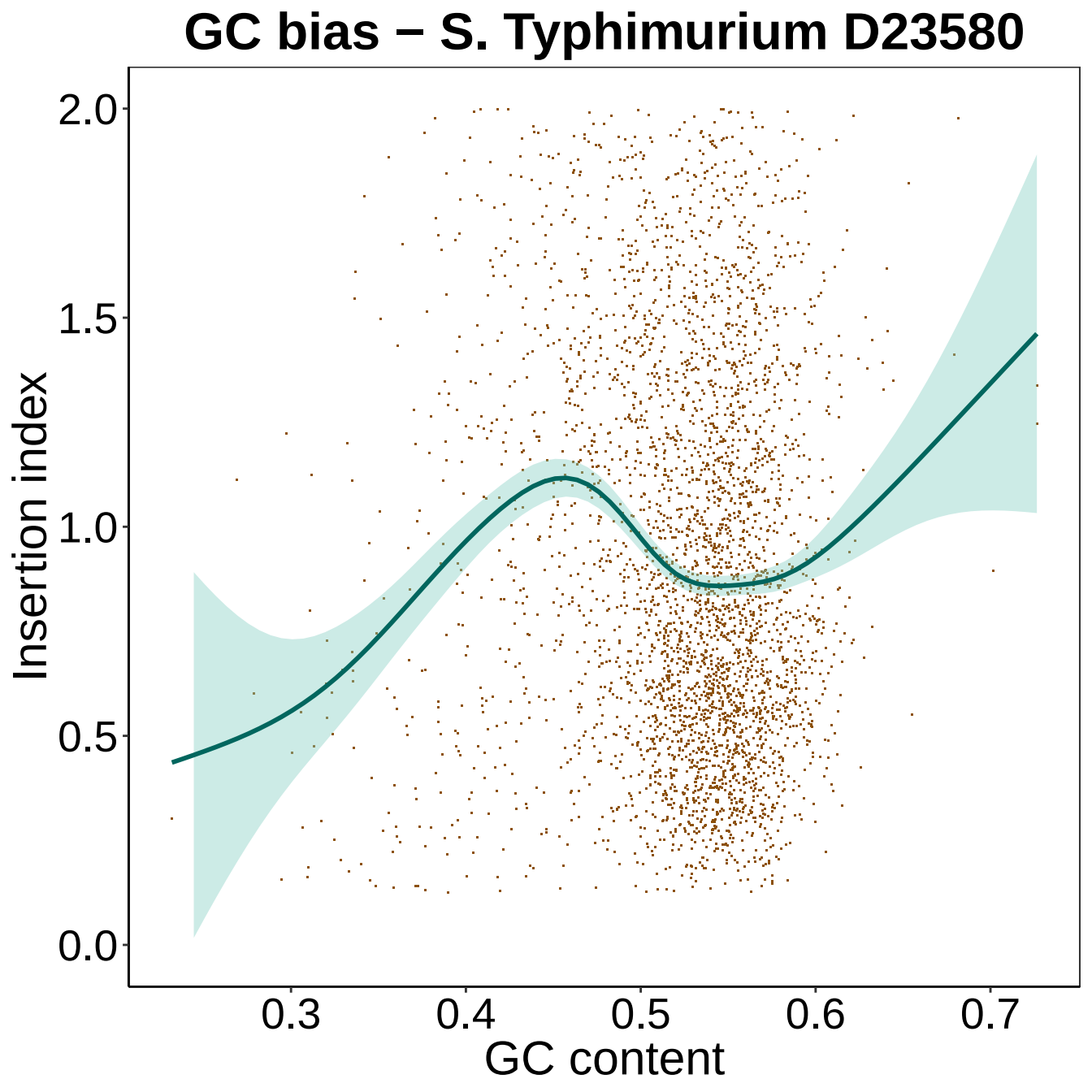
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content


GC bias – S. Typhimurium D23580
Insertion index
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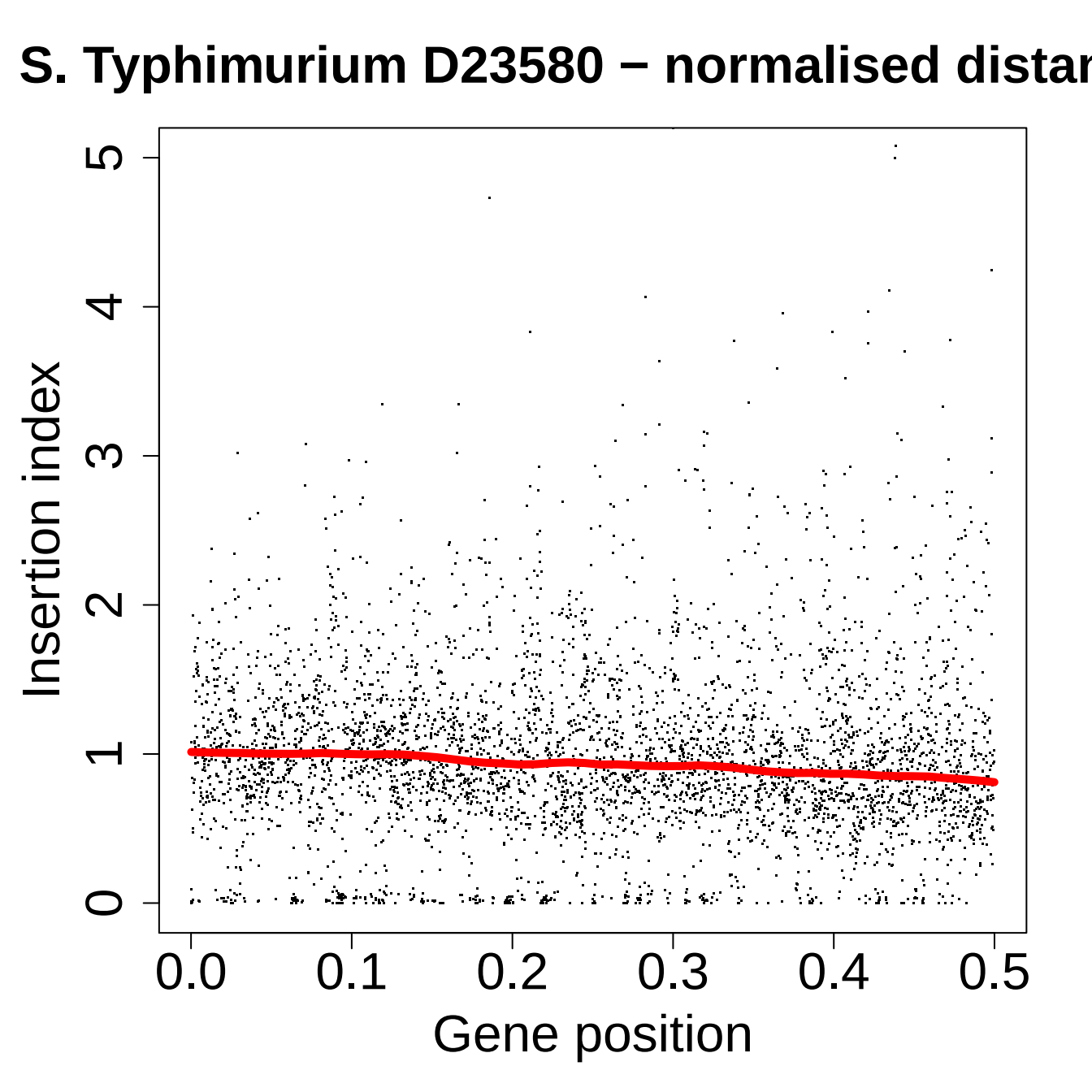
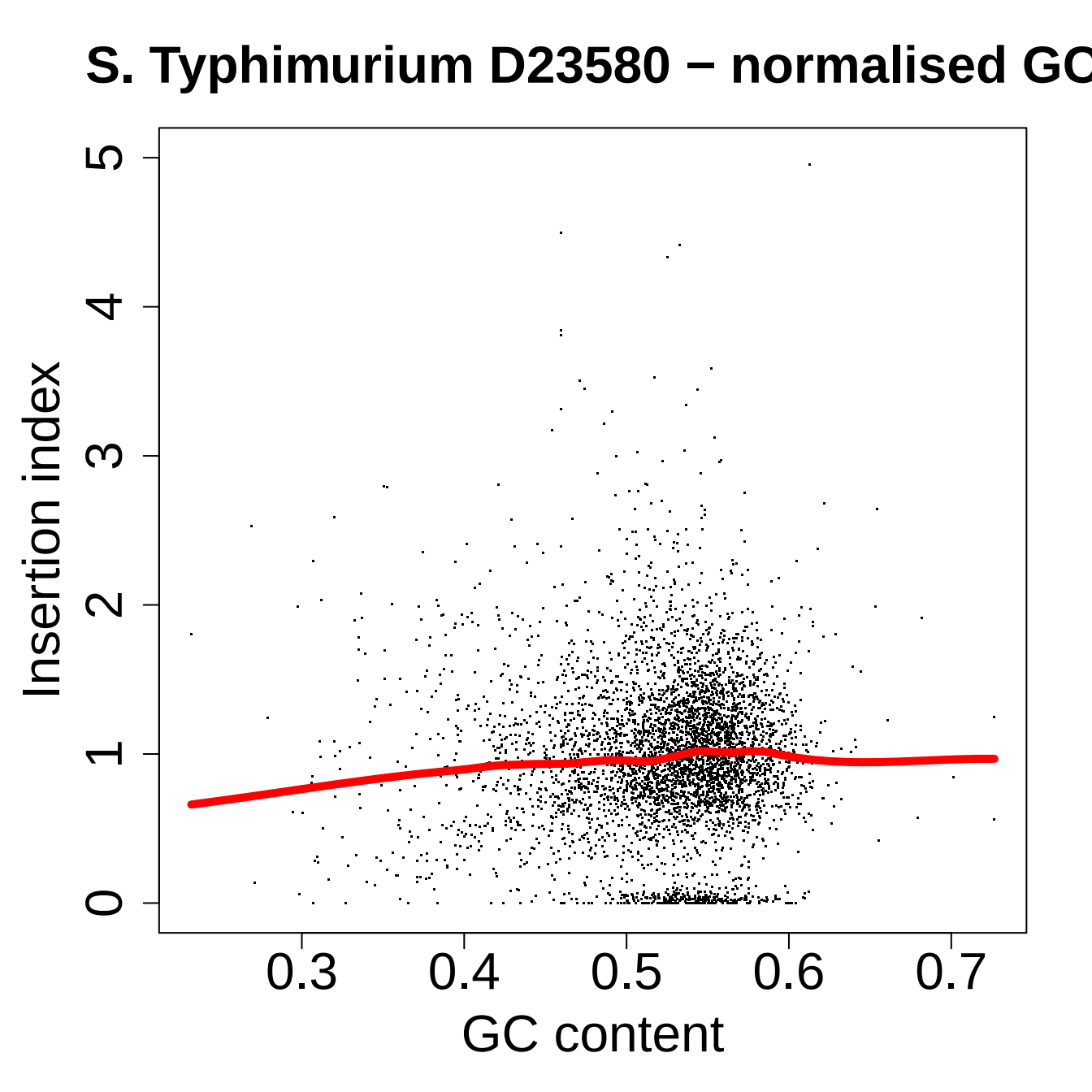
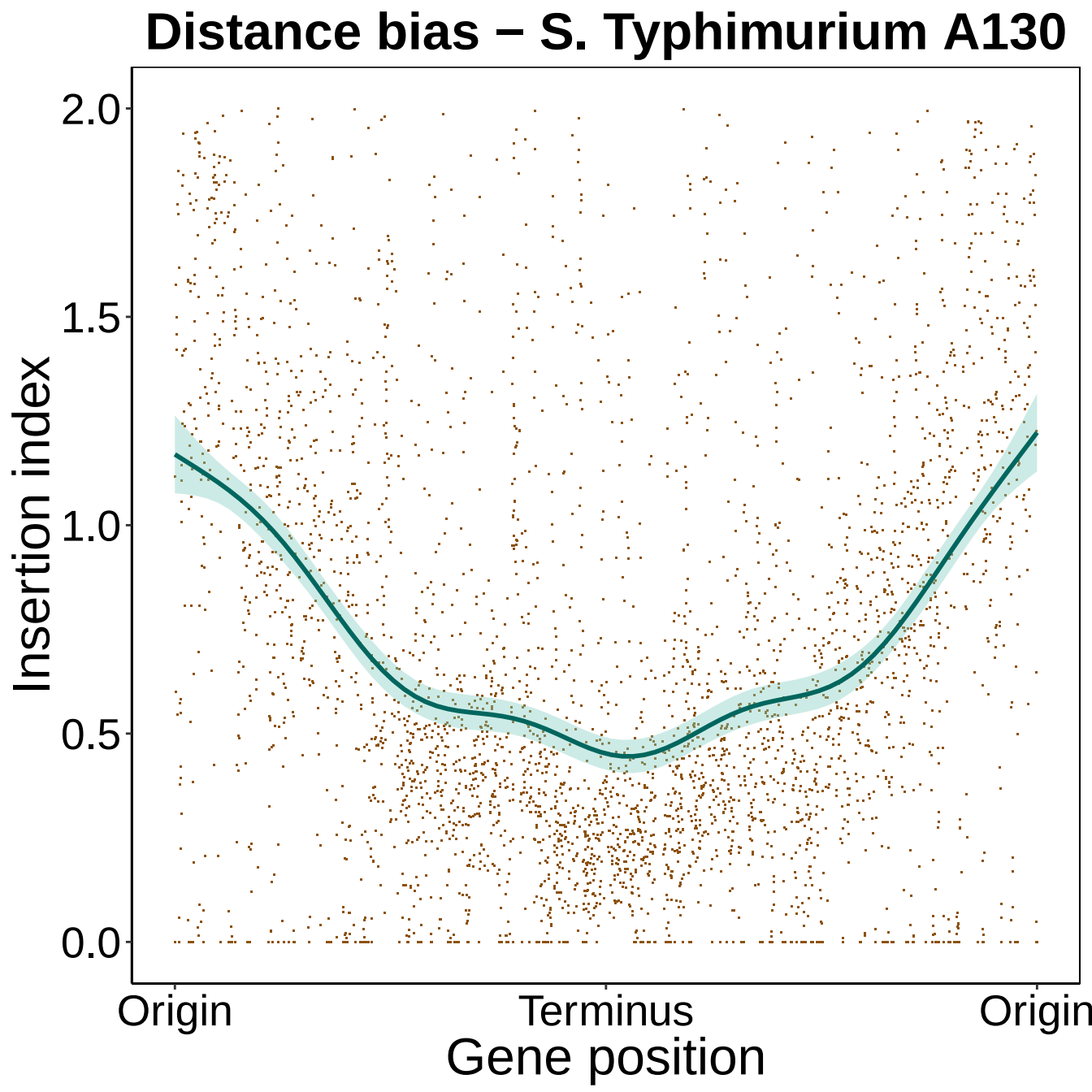
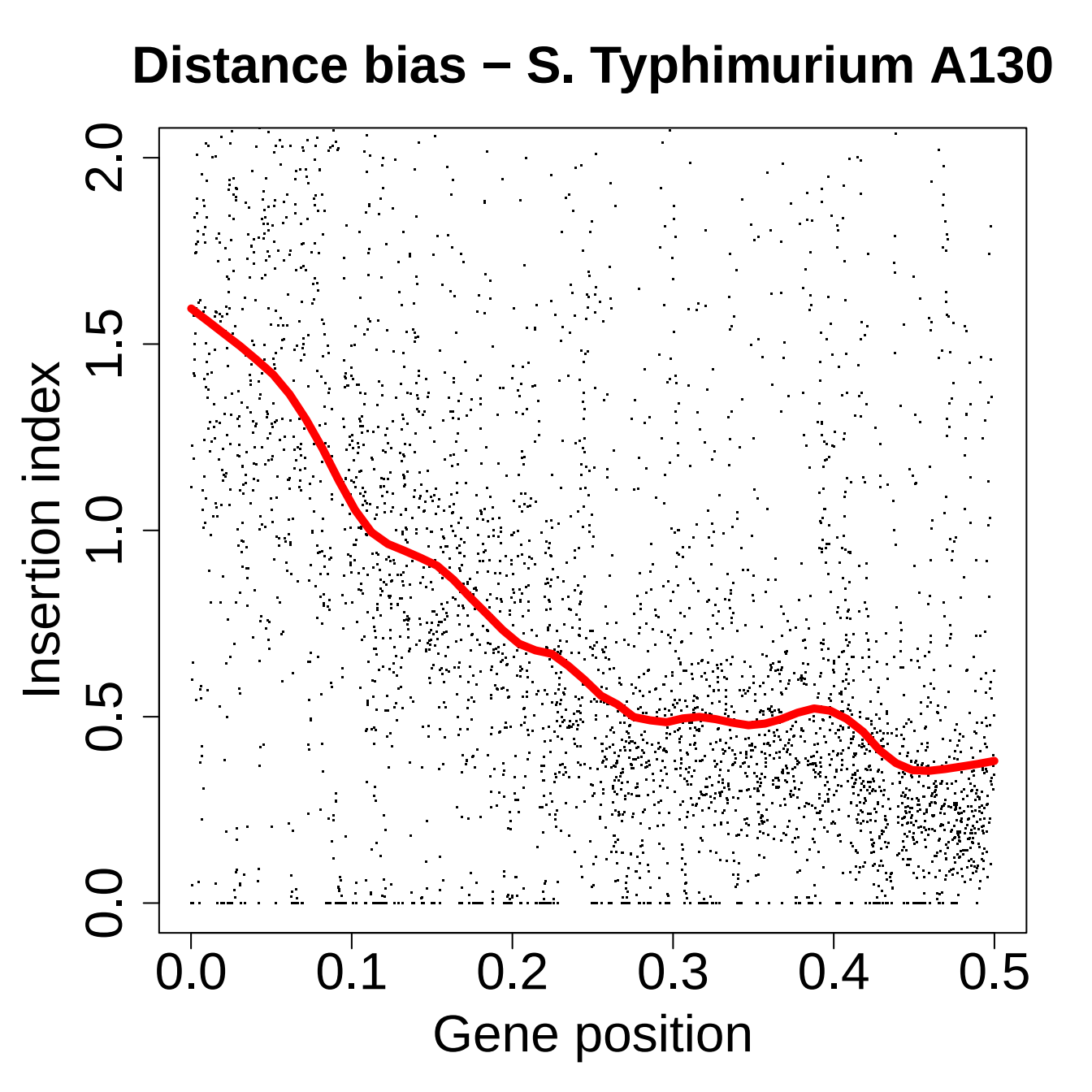
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content


S. Typhimurium D23580 − normalised distan
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


S. Typhimurium D23580 − normalised GC
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
0.7
GC content


Distance bias − S. Typhimurium A130
2.0
1.5
1.0
0.5
0.0
Insertion index
Origin
Terminus
Origin
Gene position


Distance bias − S. Typhimurium A130
Insertion index
0.0
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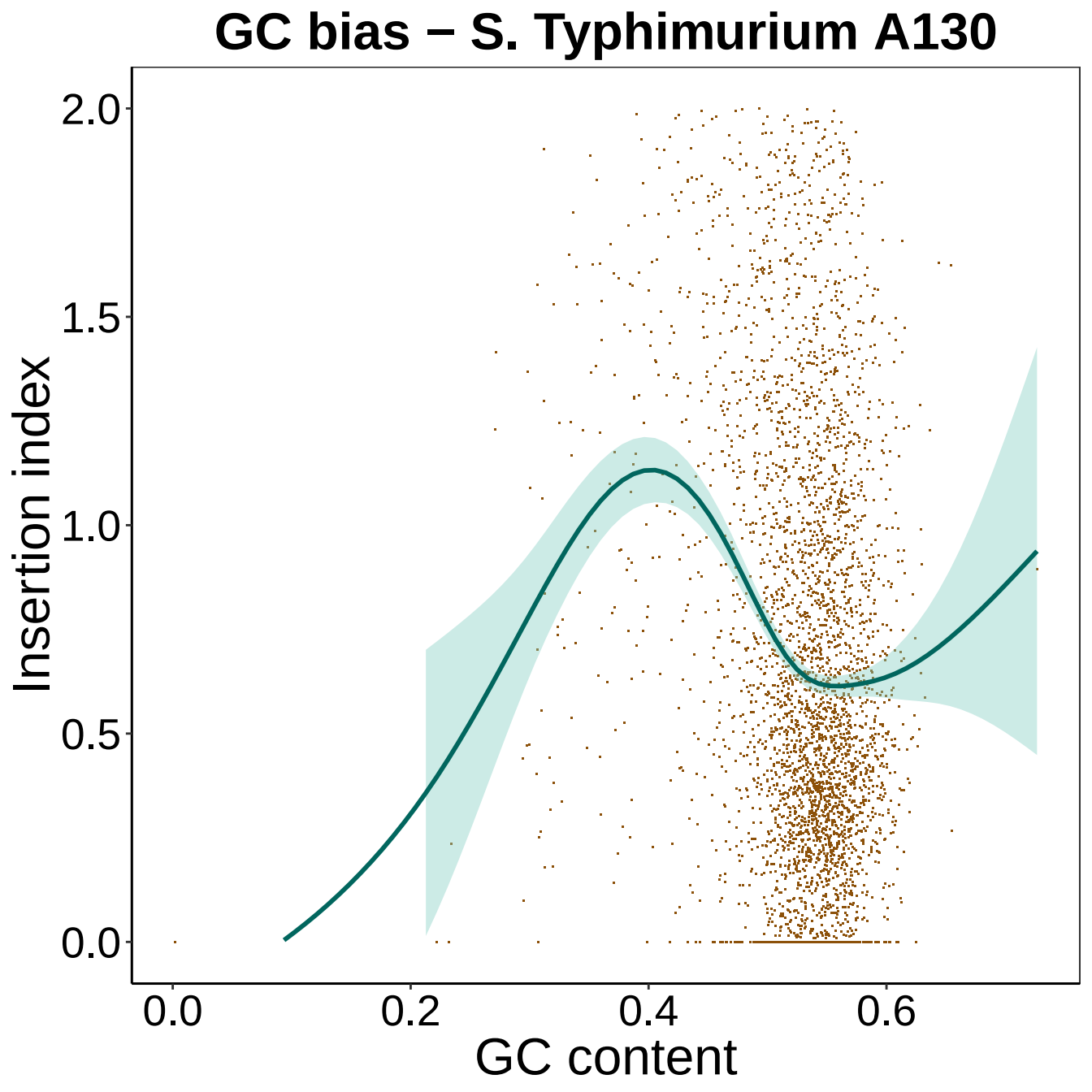
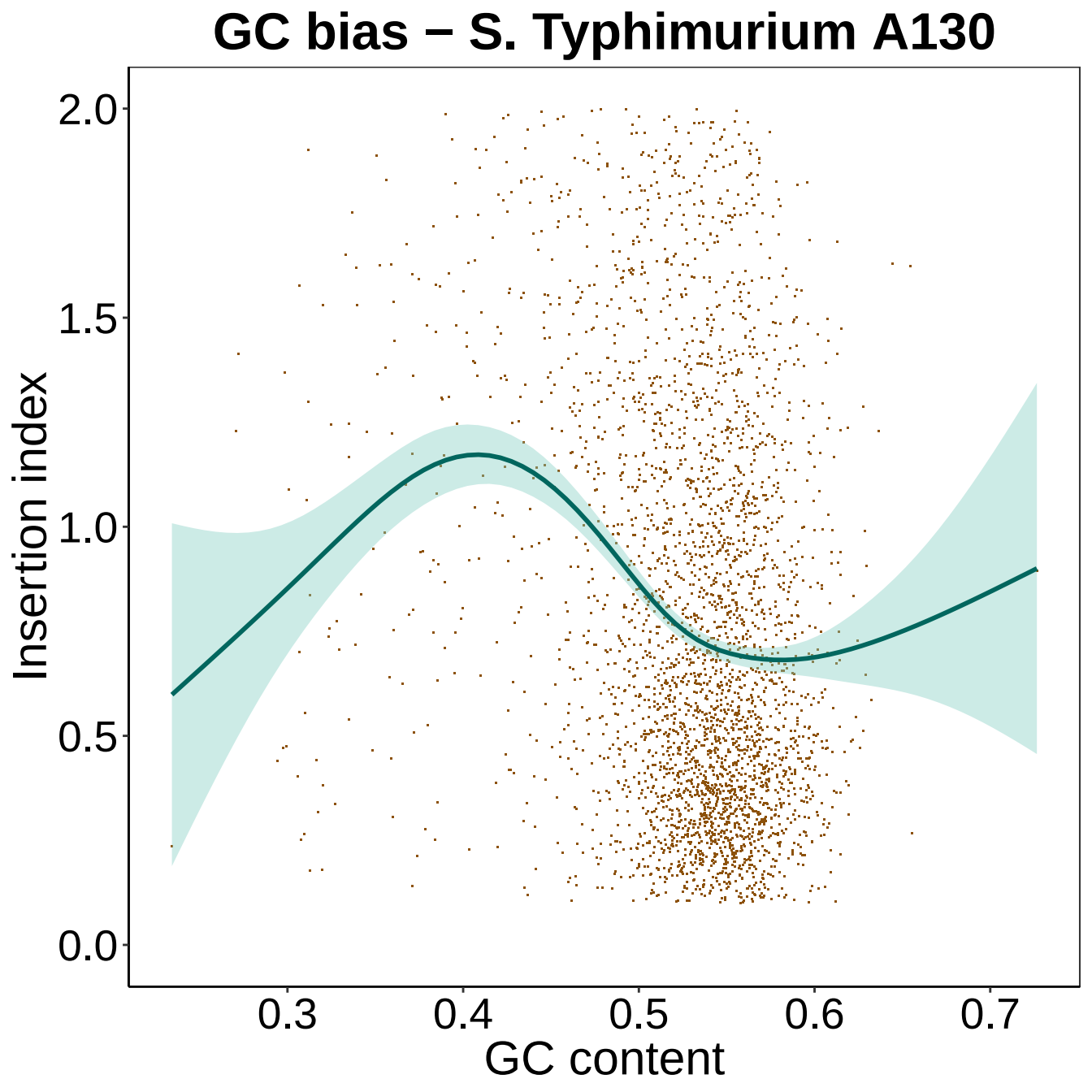
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


GC bias − S. Typhimurium A130
Insertion index
2.0
1.5
1.0
0.5
0.0
0.0
0.2
0.4
0.6
GC content


GC bias − S. Typhimurium A130
Insertion index
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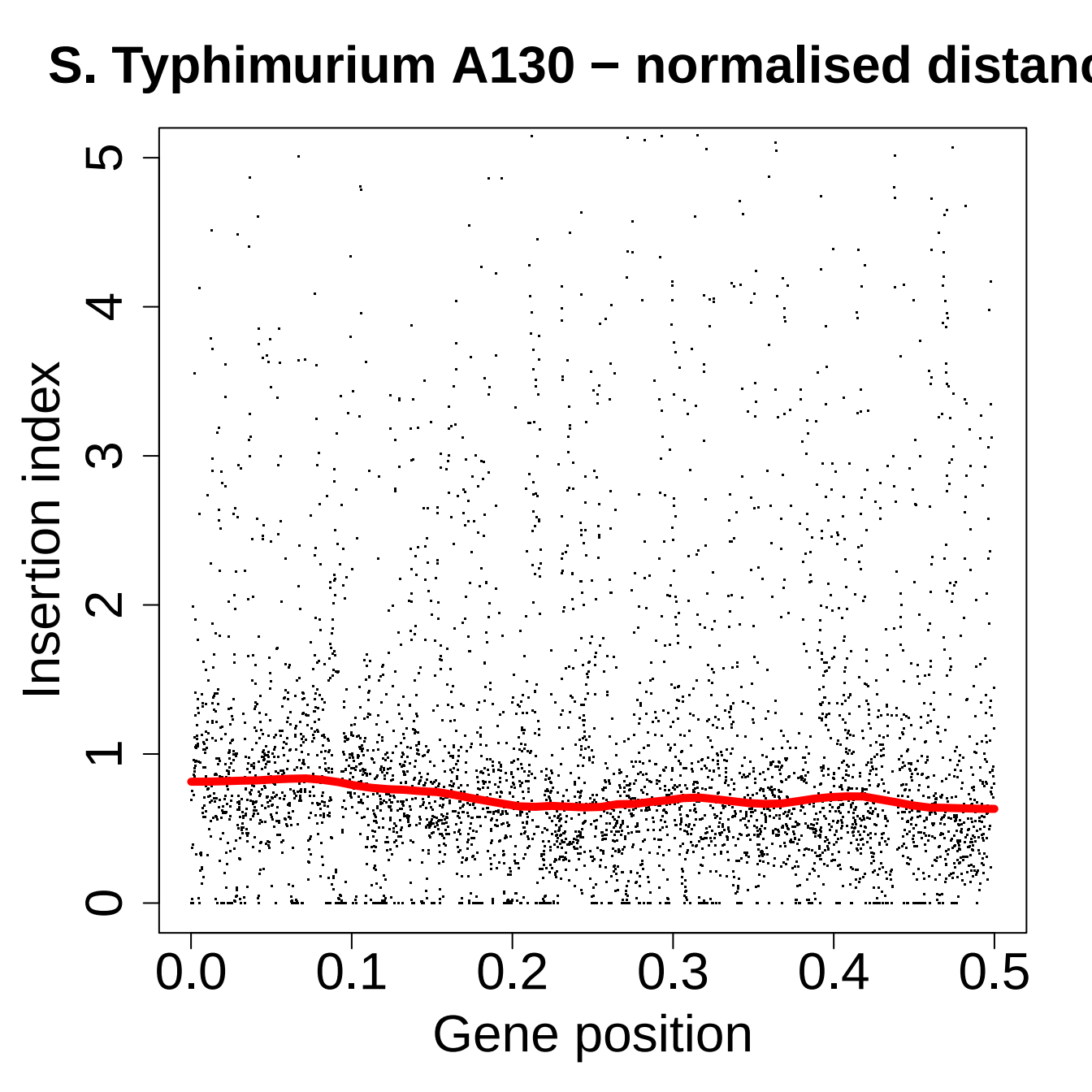
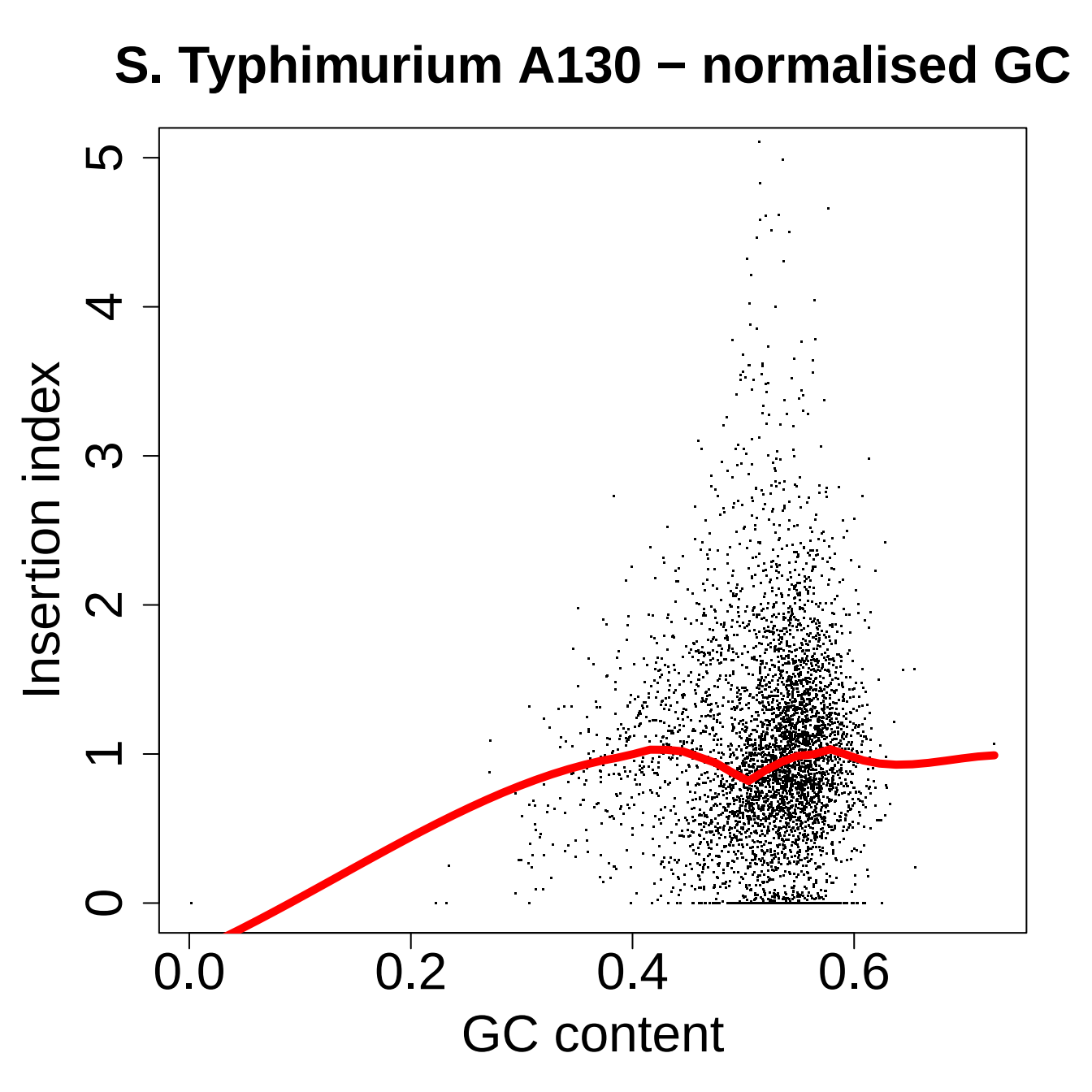
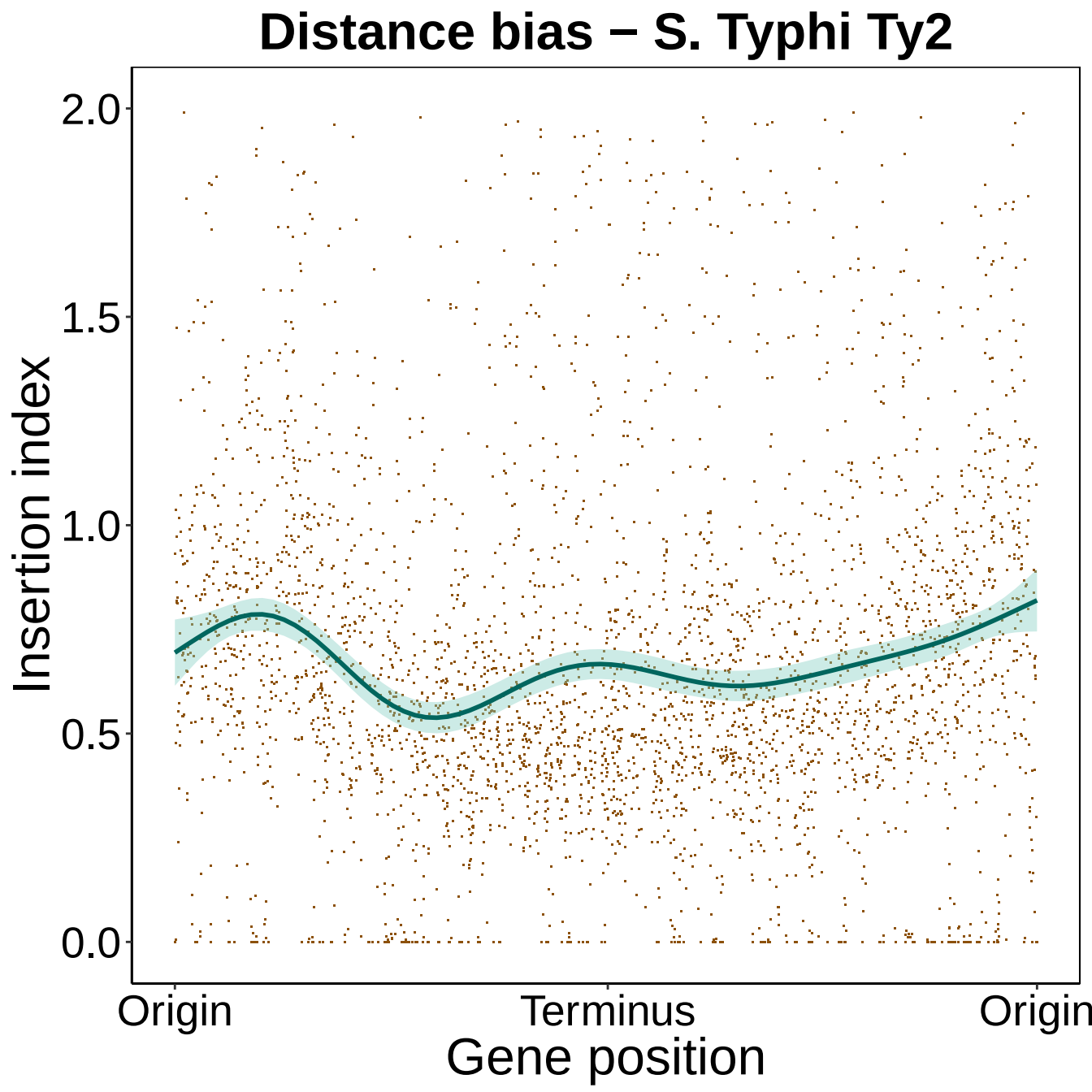
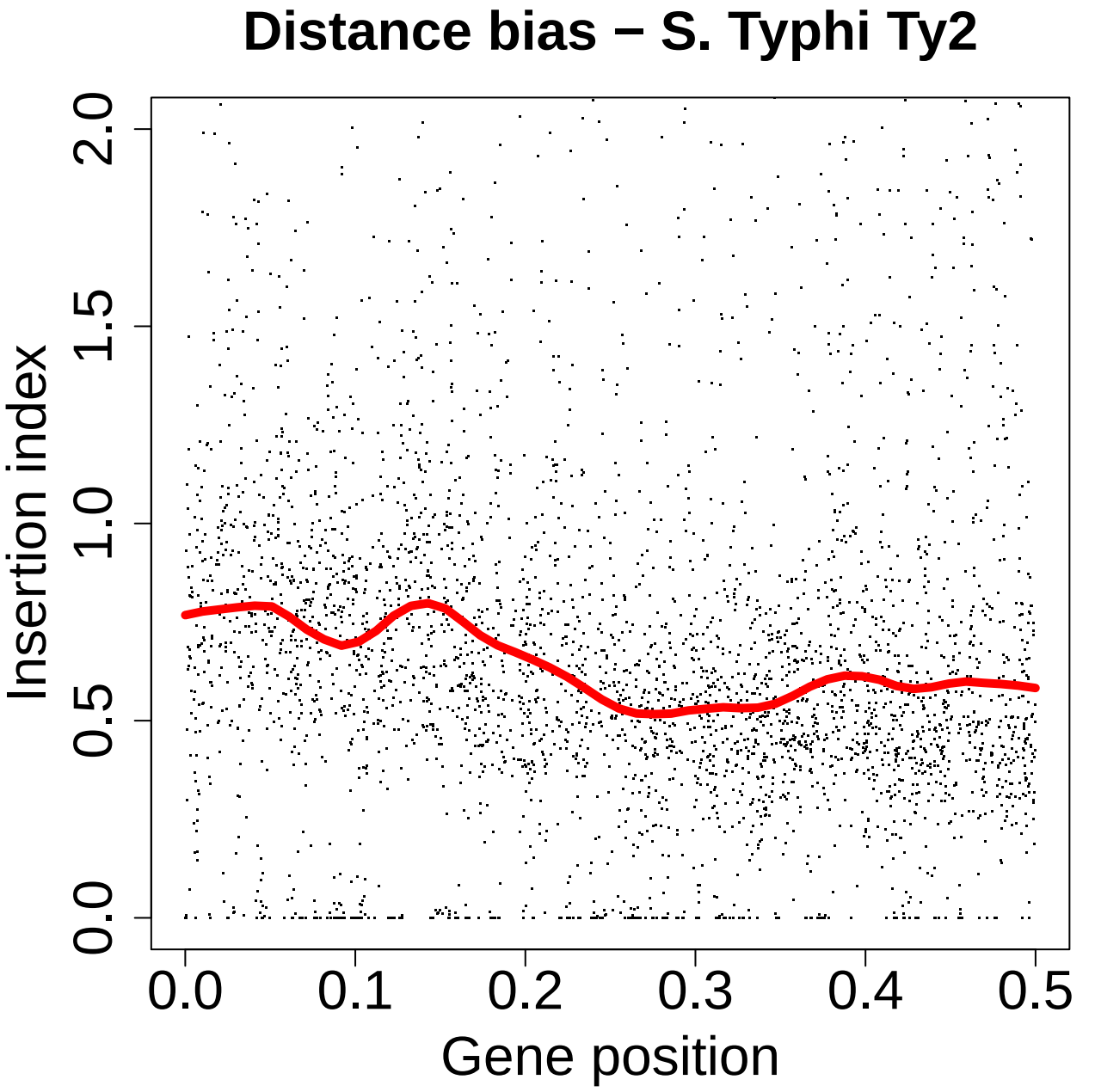
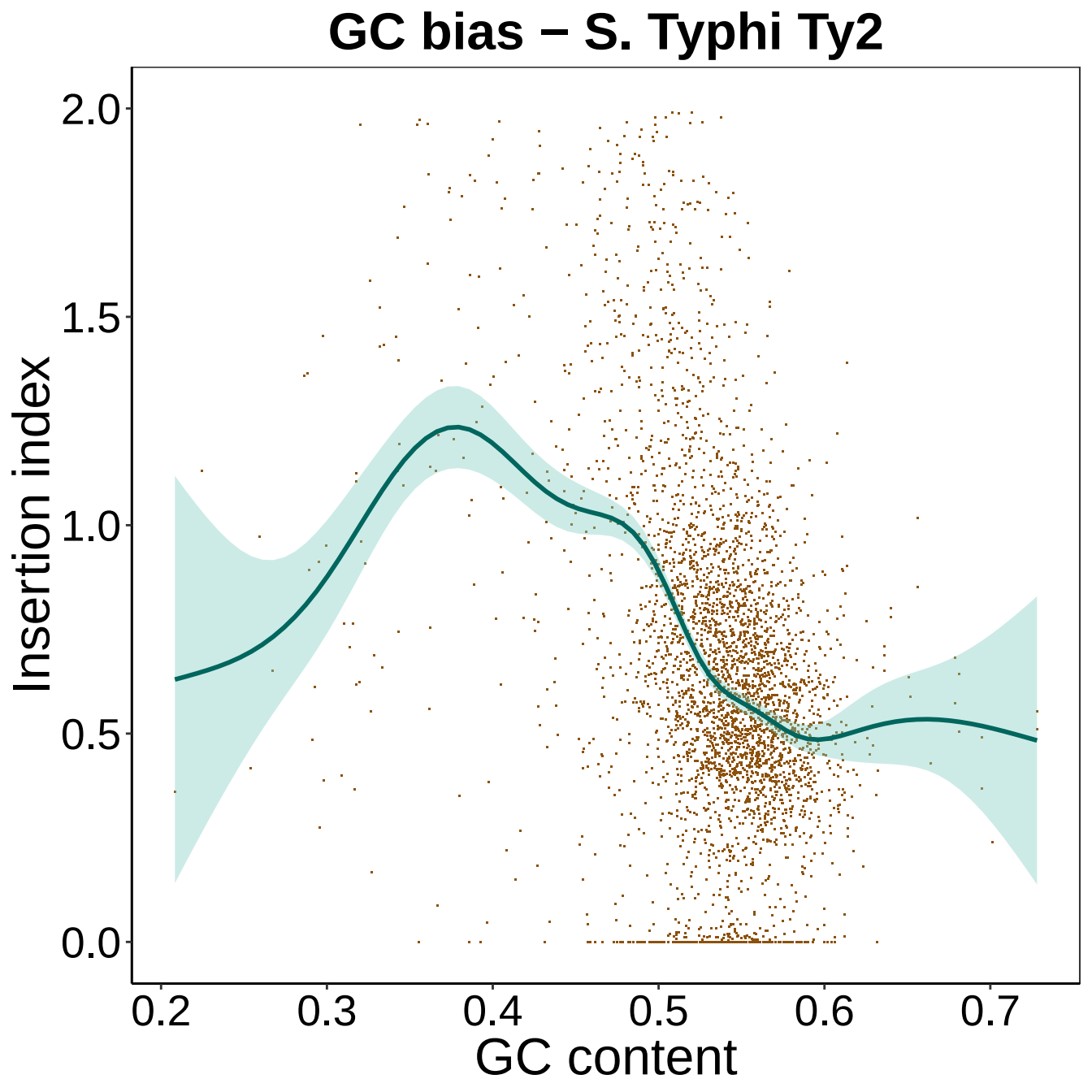
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content

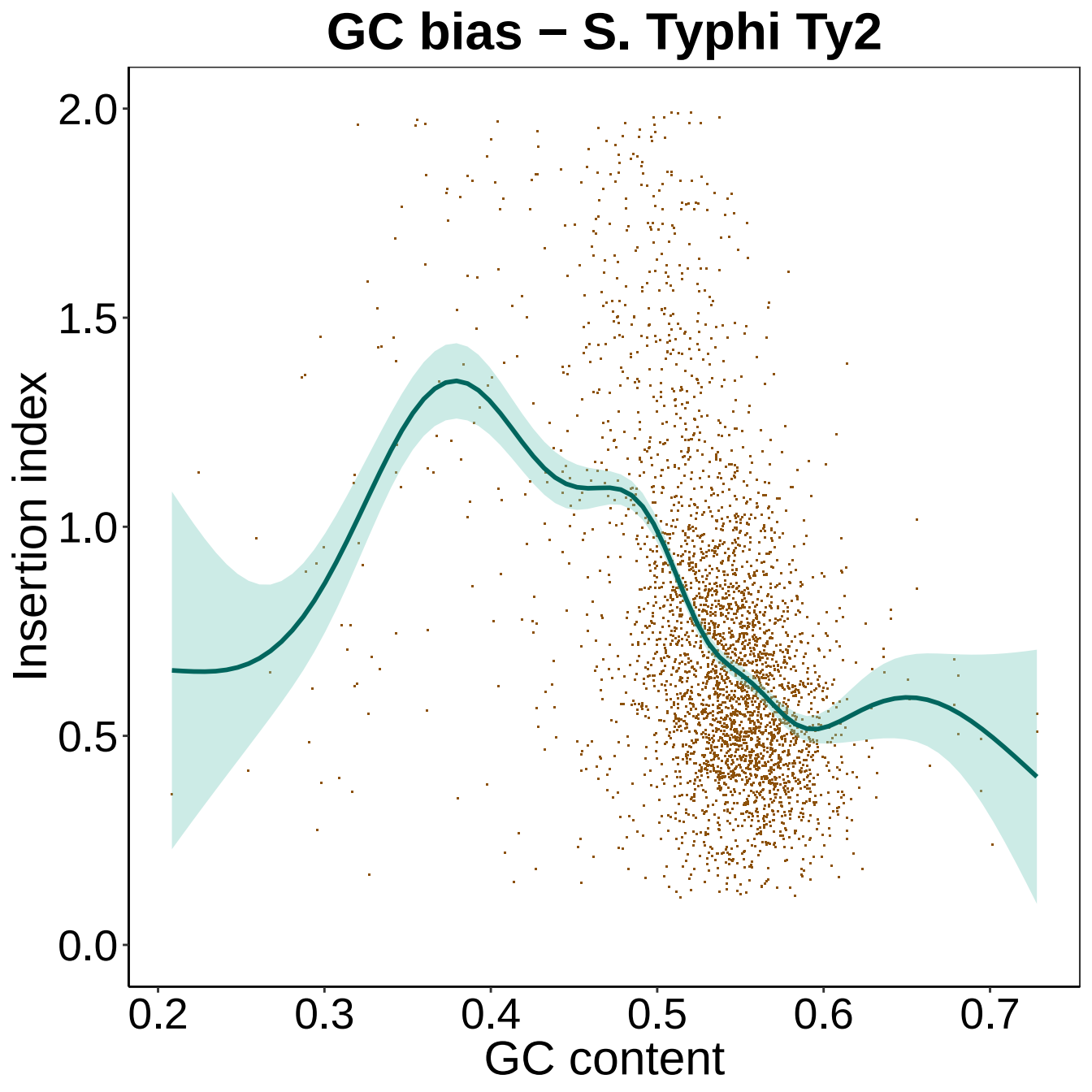

S. Typhimurium A130 – normalised distanc
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

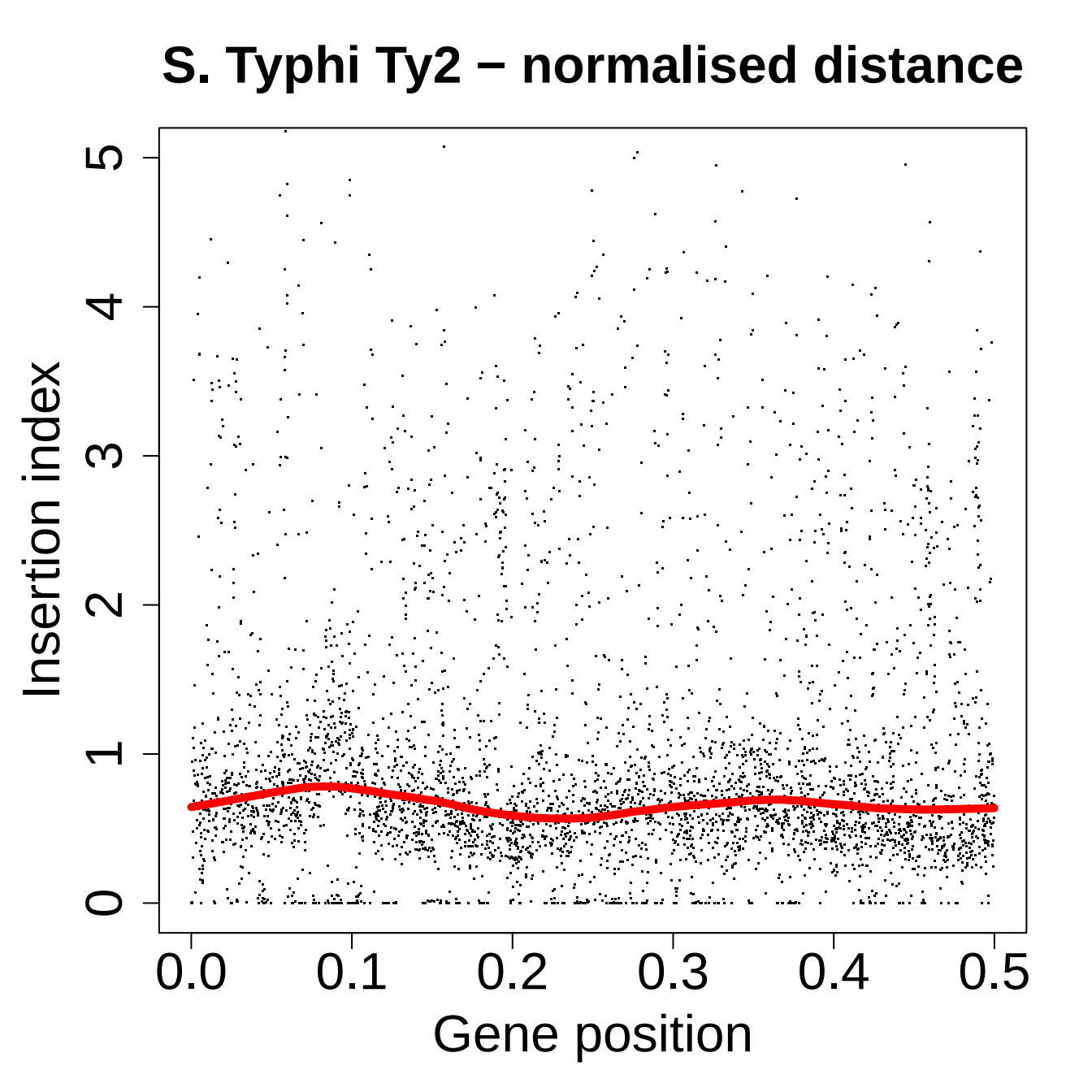

S. Typhimurium A130 – normalised GC
Insertion index
0
1
2
3
4
5
0.0
0.2
0.4
0.6
GC content

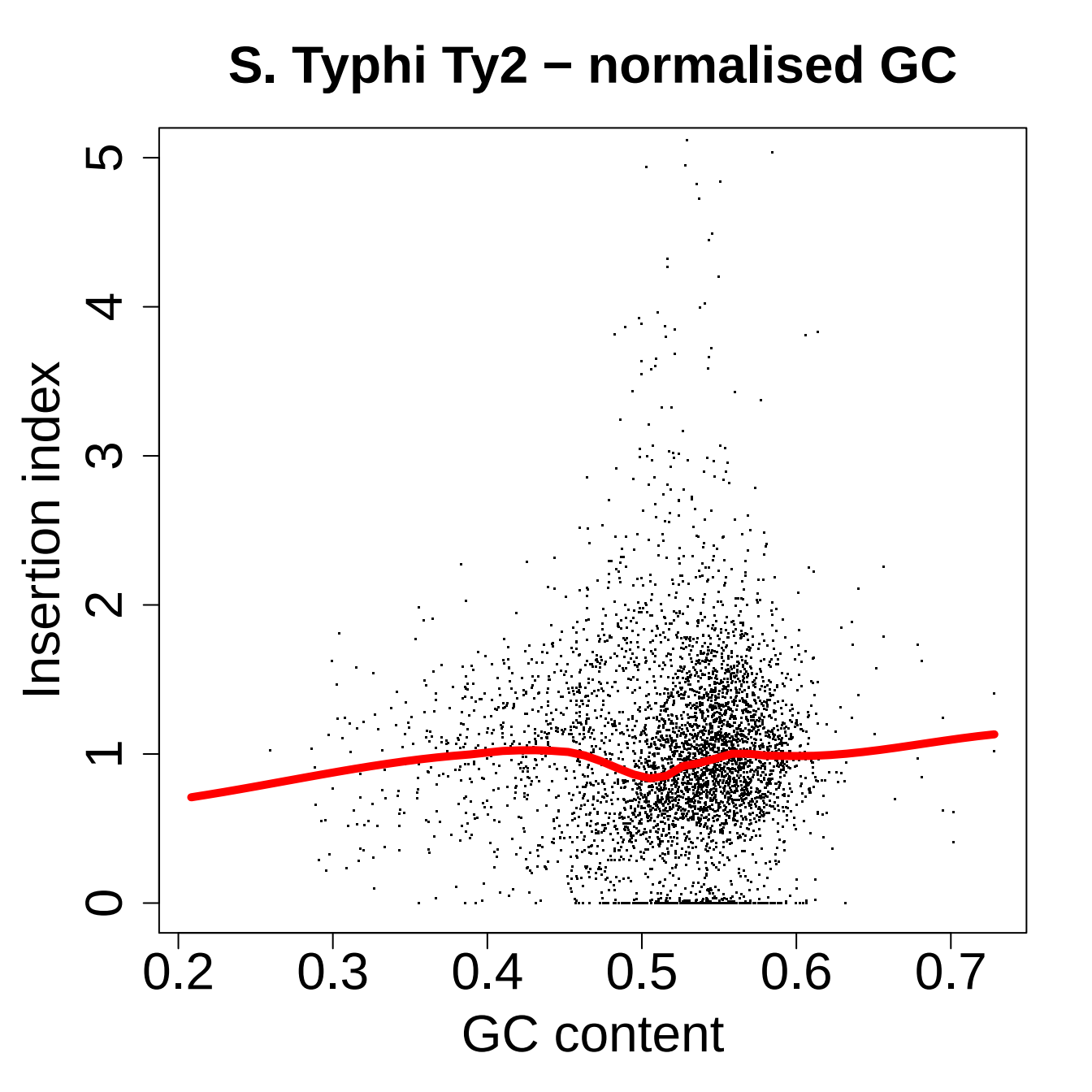

Distance bias – S. Typhi Ty2
2.0
1.5
1.0
0.5
0.0
Insertion index
Origin
Terminus
Origin
Gene position

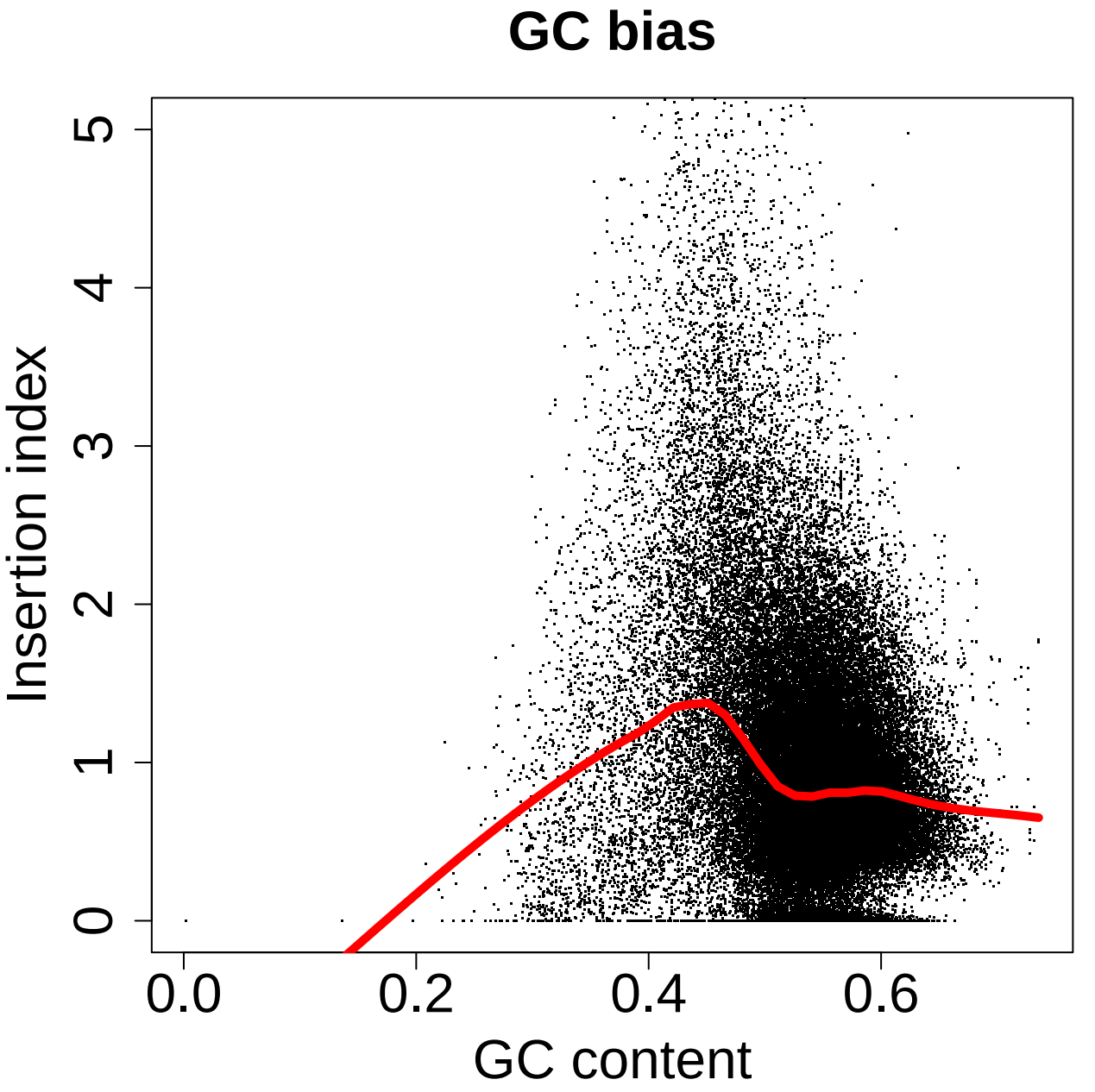

Distance bias − S. Typhi Ty2
Insertion index
0.0
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


GC bias – S. Typhi Ty2
Insertion index
2.0
1.5
1.0
0.5
0.0
0.2
0.3
0.4
0.5
0.6
0.7
GC content


GC bias – S. Typhi Ty2
Insertion index
2.0
1.5
1.0
0.5
0.0
0.2
0.3
0.4
0.5
0.6
0.7
GC content


S. Typhi Ty2 − normalised distance
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


S. Typhi Ty2 − normalised GC
Insertion index
0
1
2
3
4
5
0.2
0.3
0.4
0.5
0.6
0.7
GC content


GC bias
Insertion index
0
1
2
3
4
5
0.0
0.2
0.4
0.6
GC content