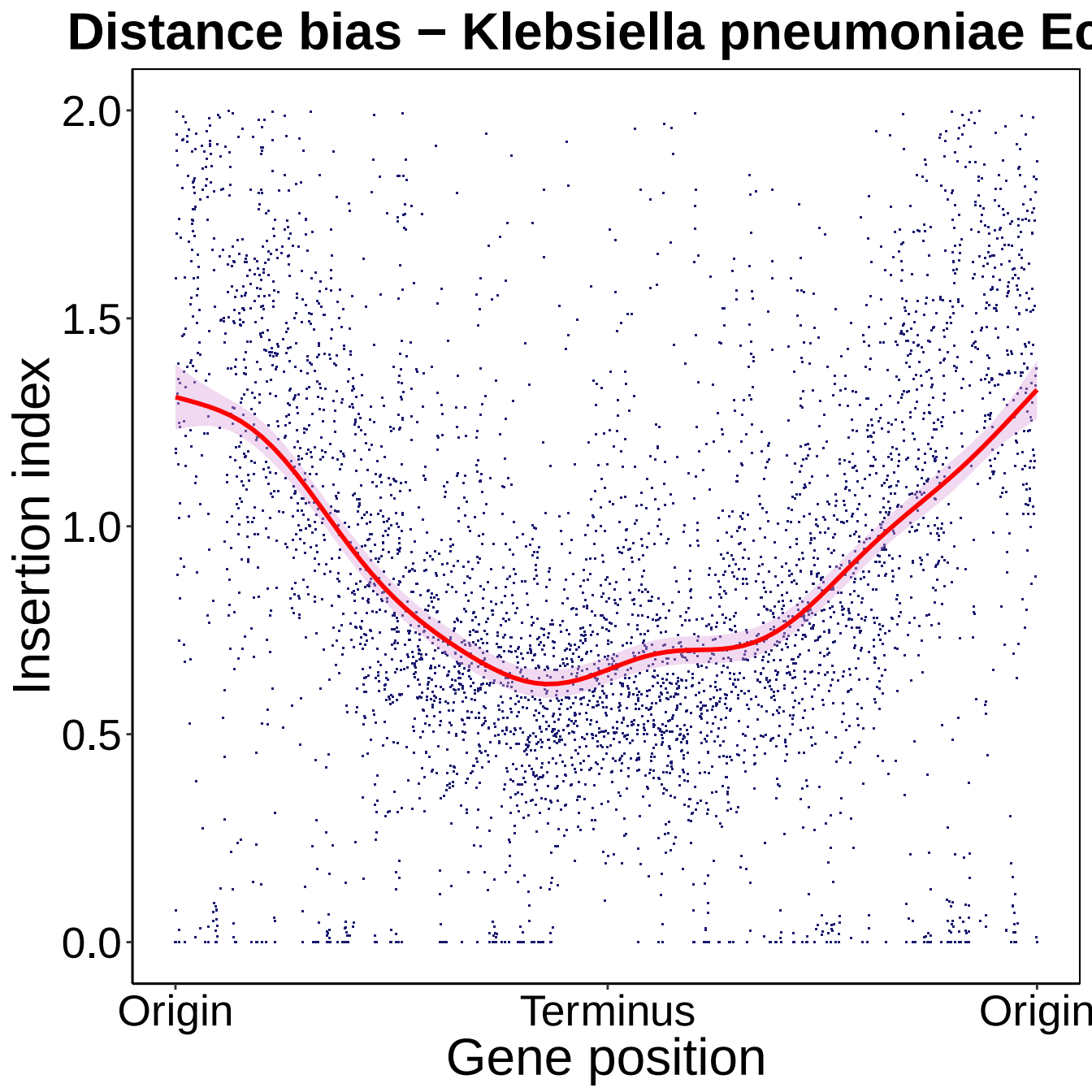
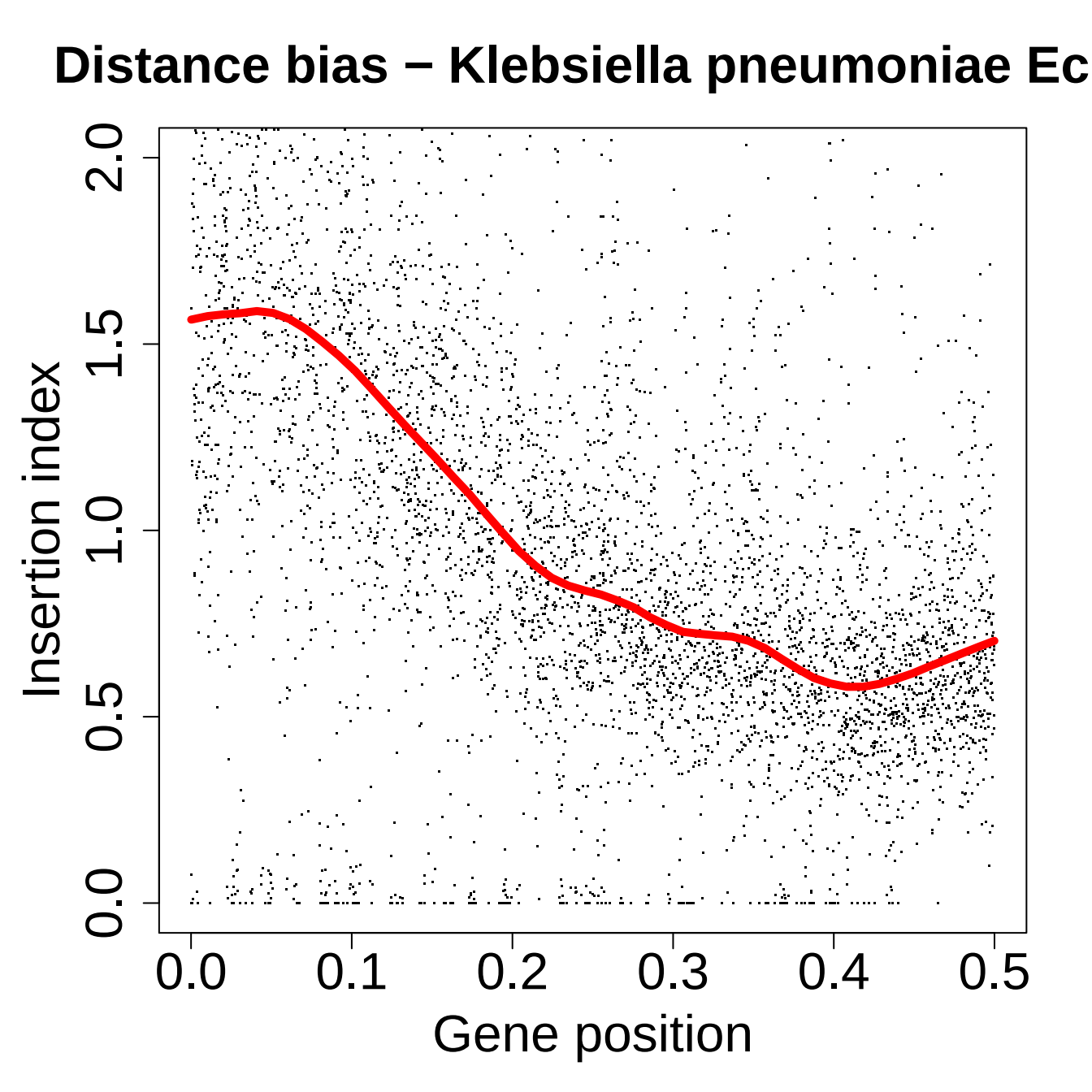
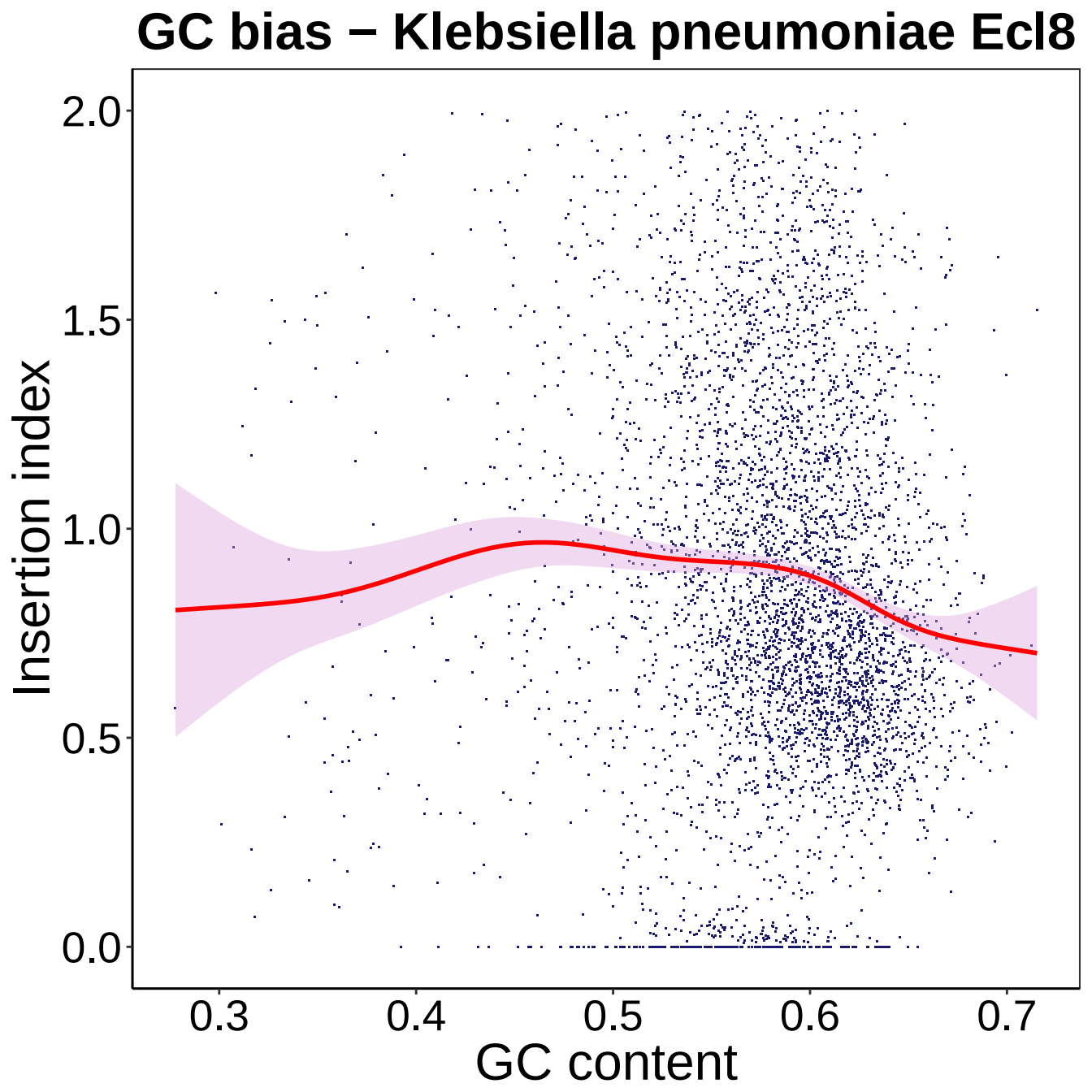
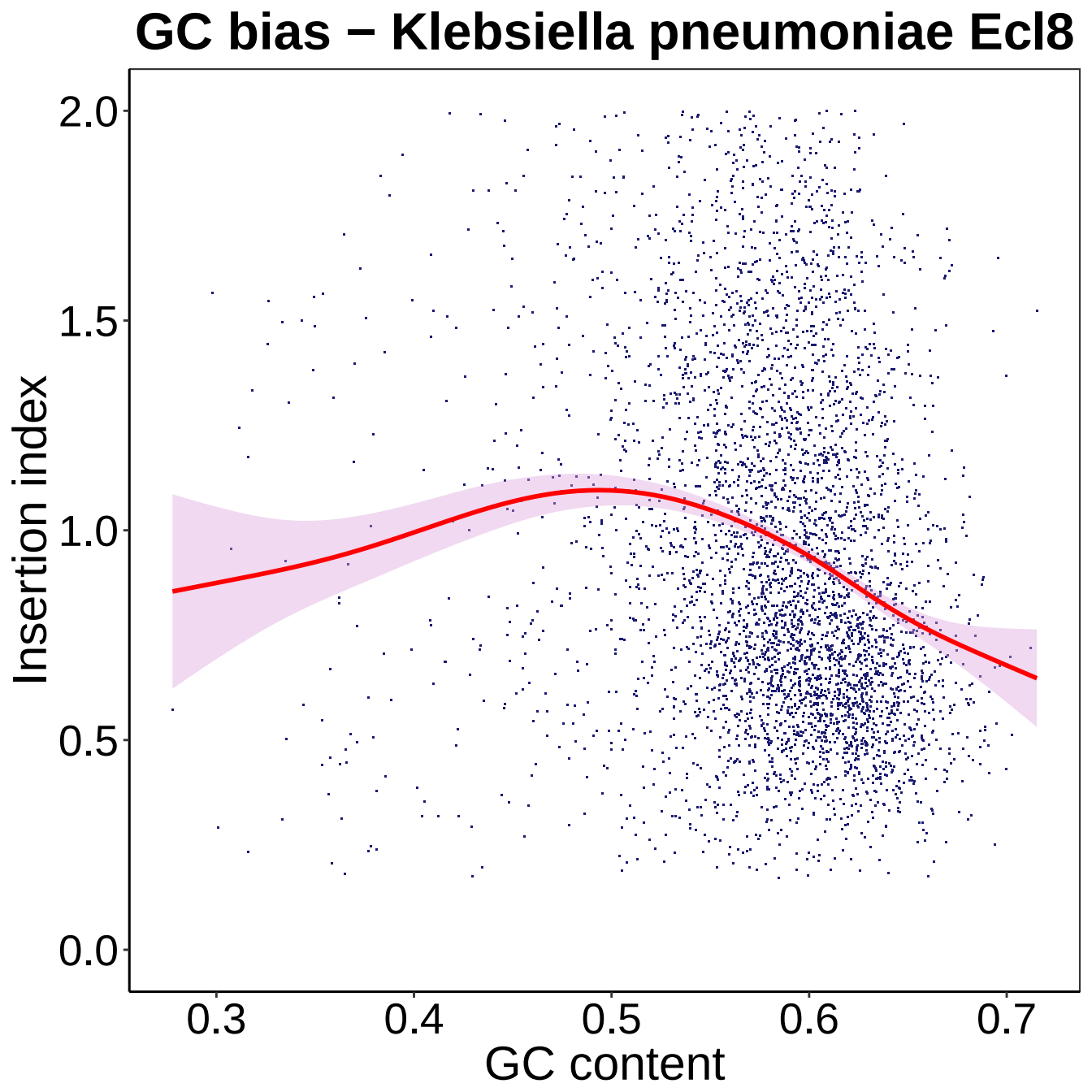
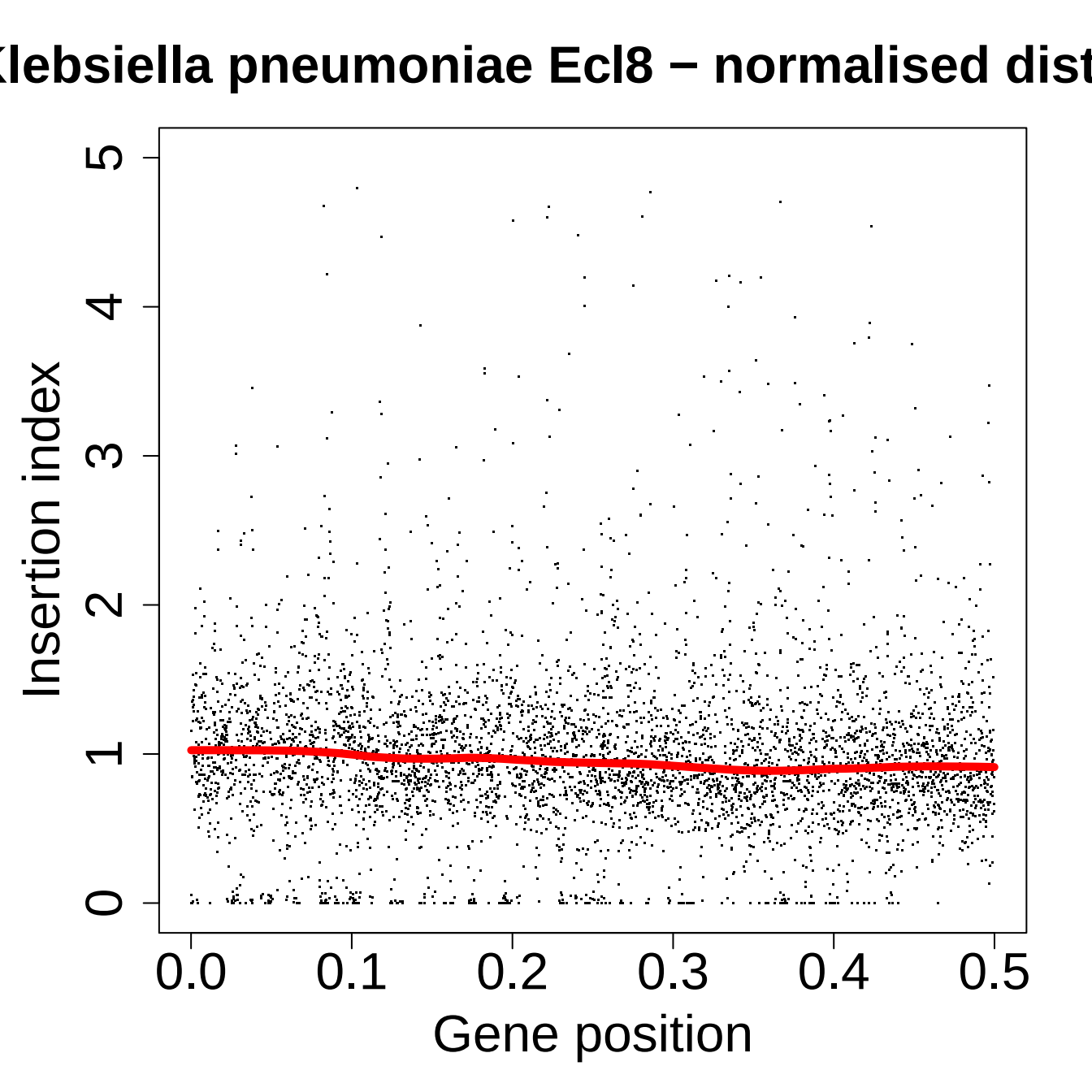
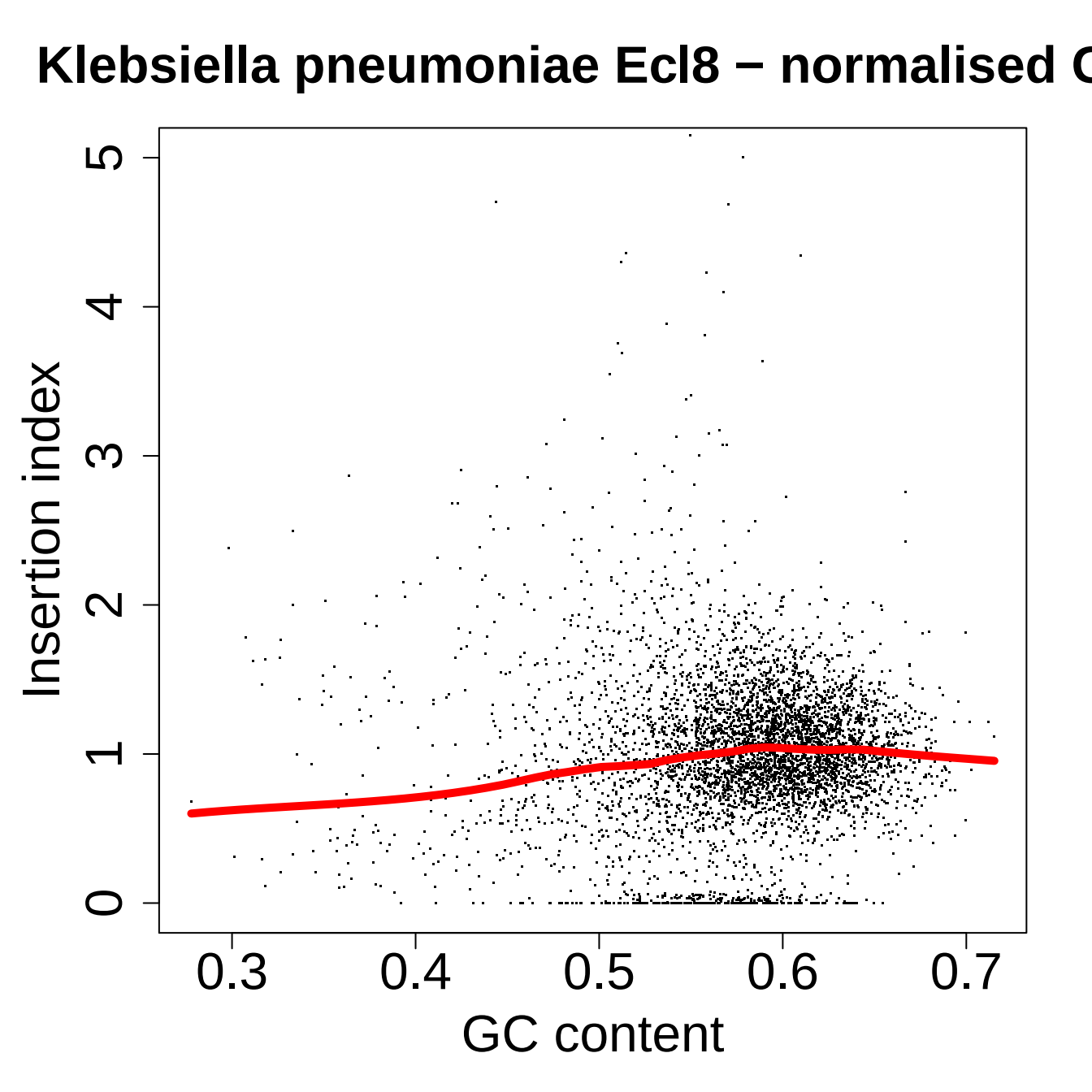

Distance bias – Klebsiella pneumoniae Ec
2.0
1.5
1.0
0.5
0.0
Insertion index
Origin
Terminus
Origin
Gene position

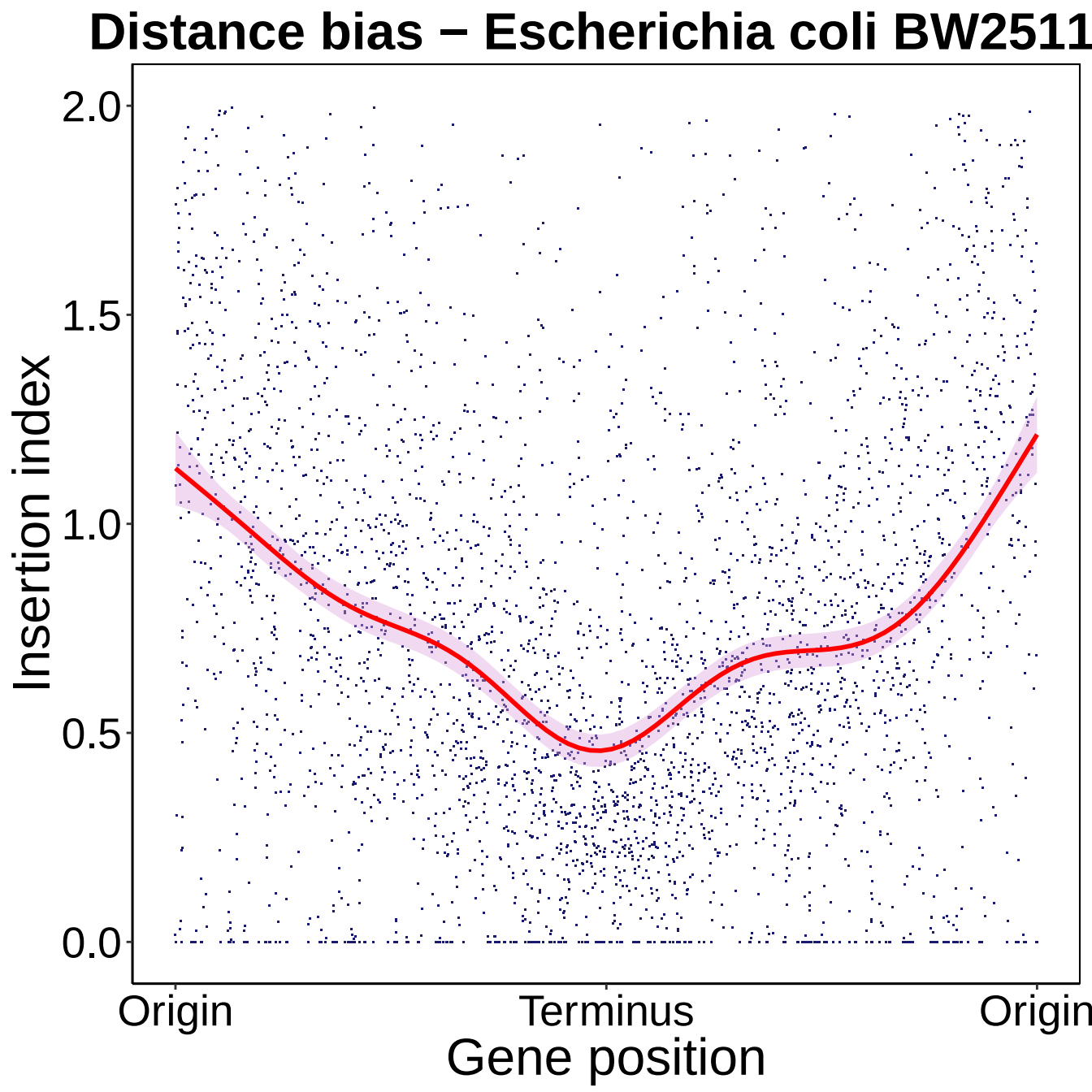

Distance bias − Klebsiella pneumoniae Ec
Insertion index
0.0
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

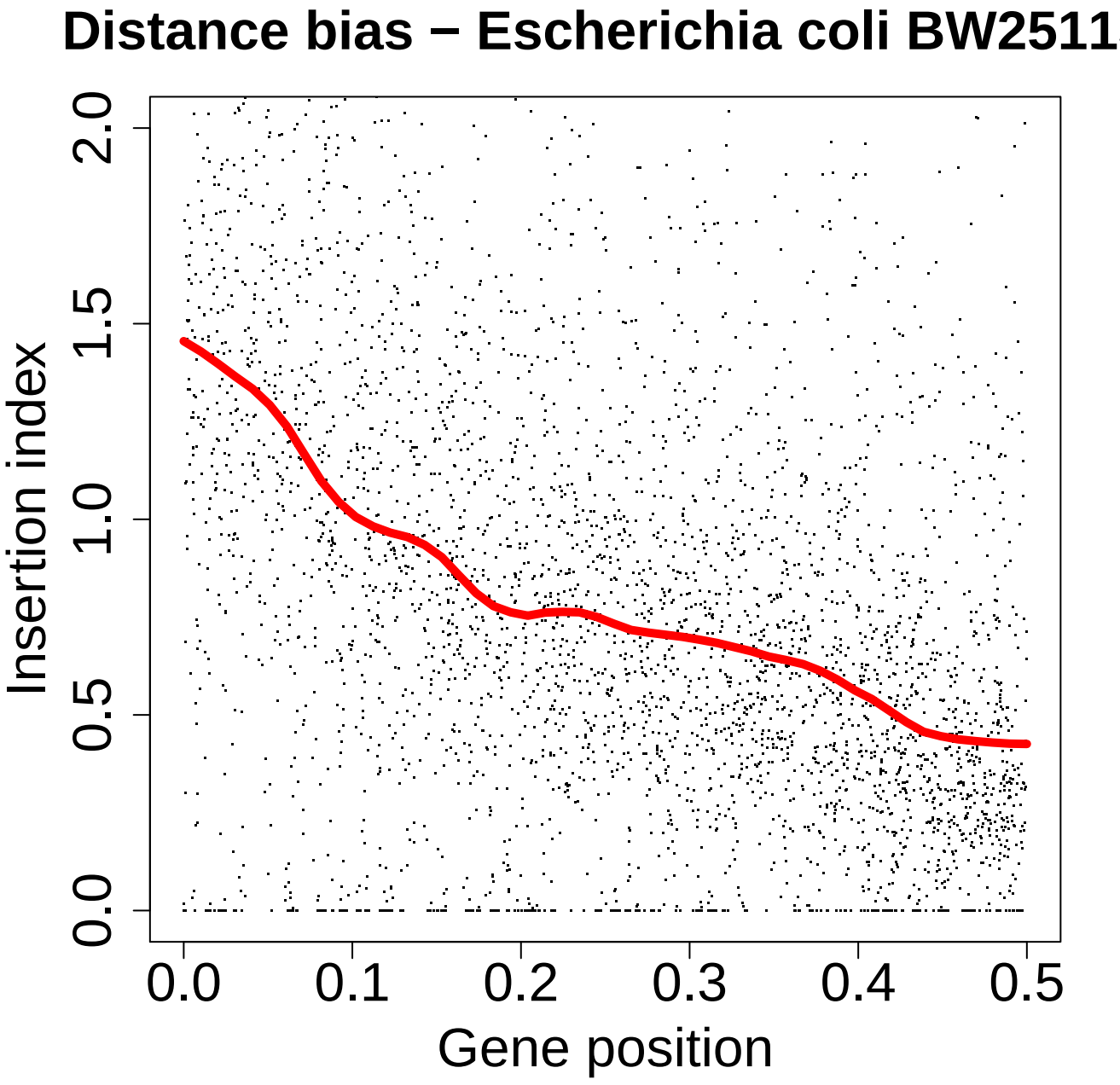

GC bias – Klebsiella pneumoniae Ecl8
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content

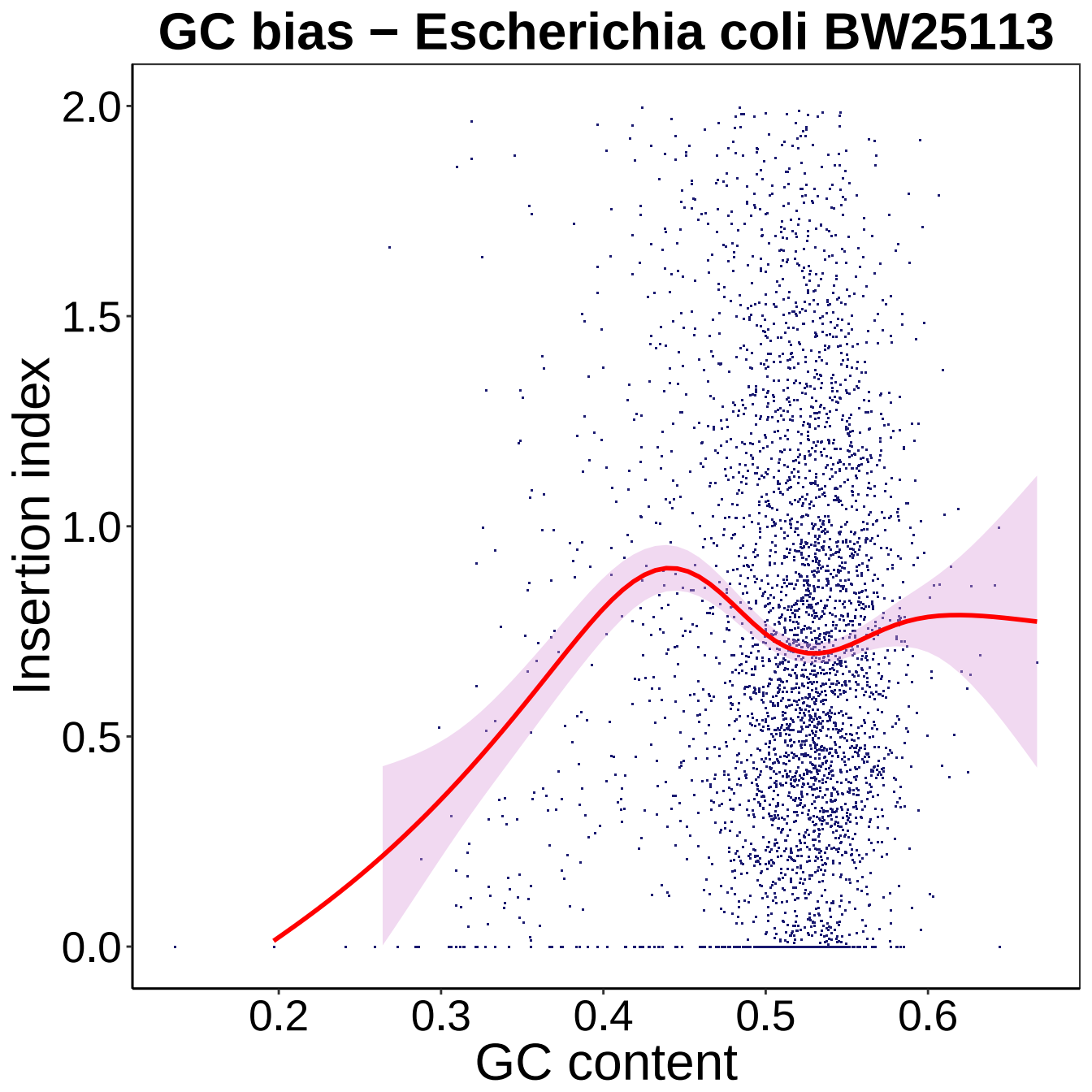

GC bias – Klebsiella pneumoniae Ecl8
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content


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


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


Distance bias – Escherichia coli BW2511
2.0
1.5
1.0
0.5
0.0
Insertion index
Origin
Terminus
Origin
Gene position


Distance bias − Escherichia coli BW2511
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 – Escherichia coli BW25113
Insertion index
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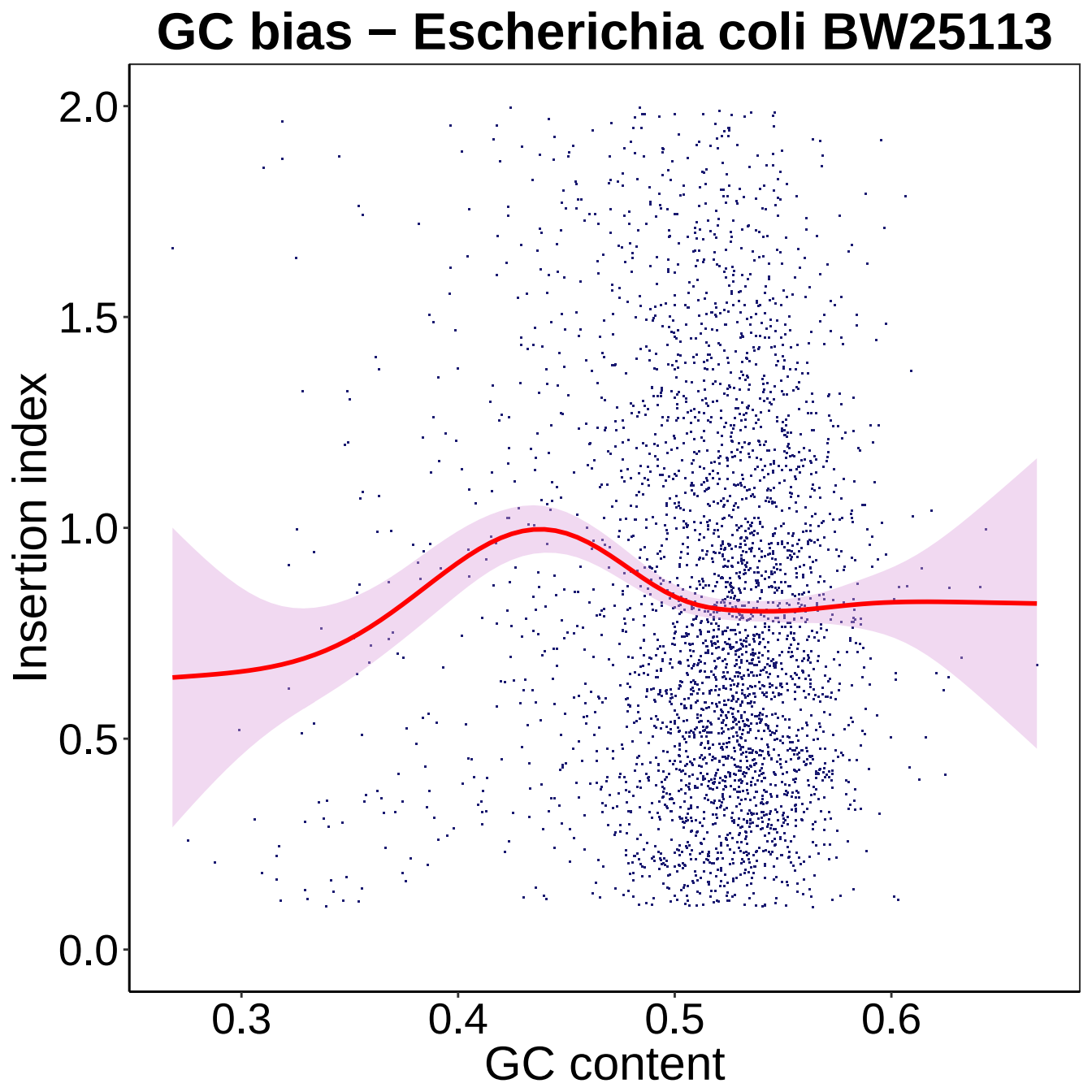
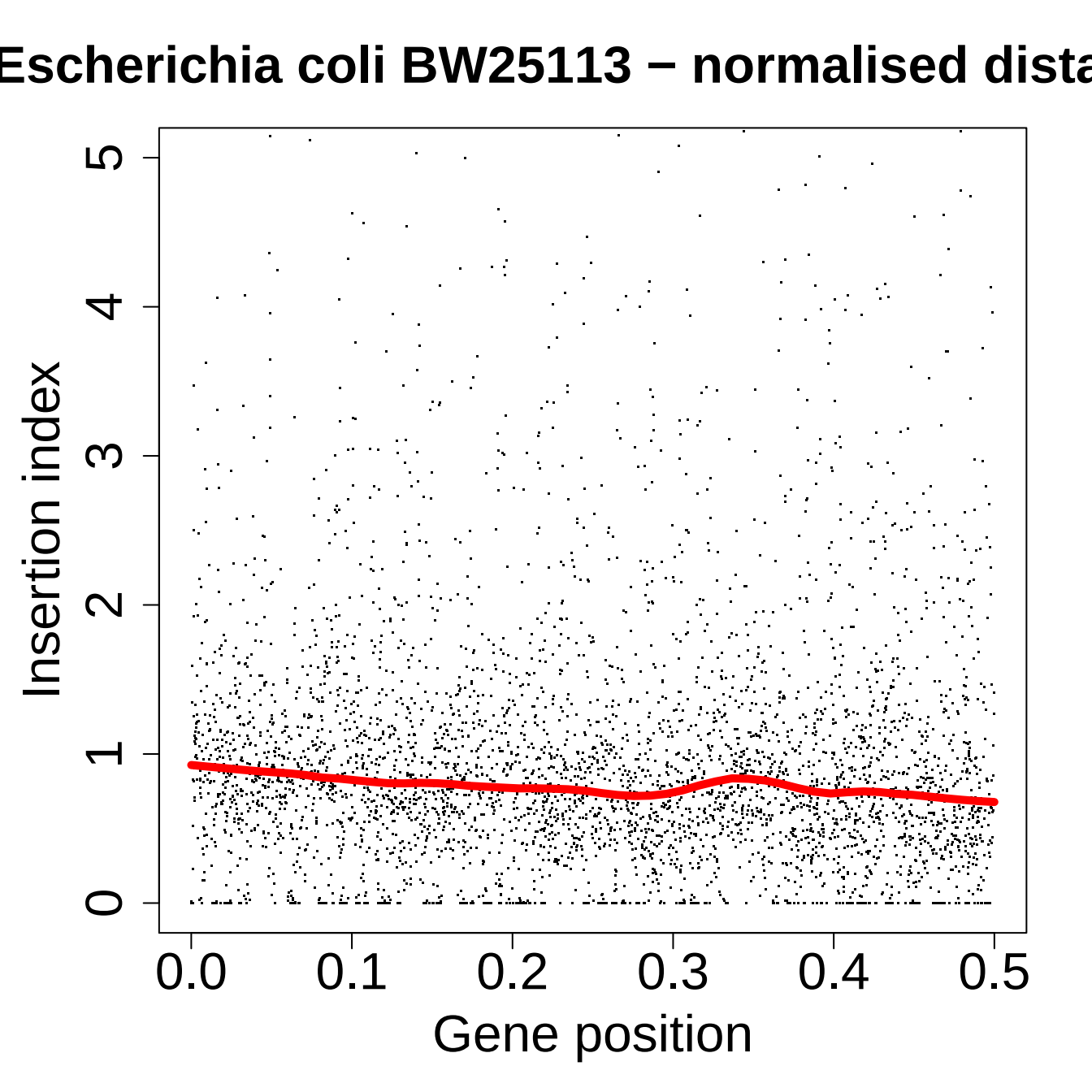
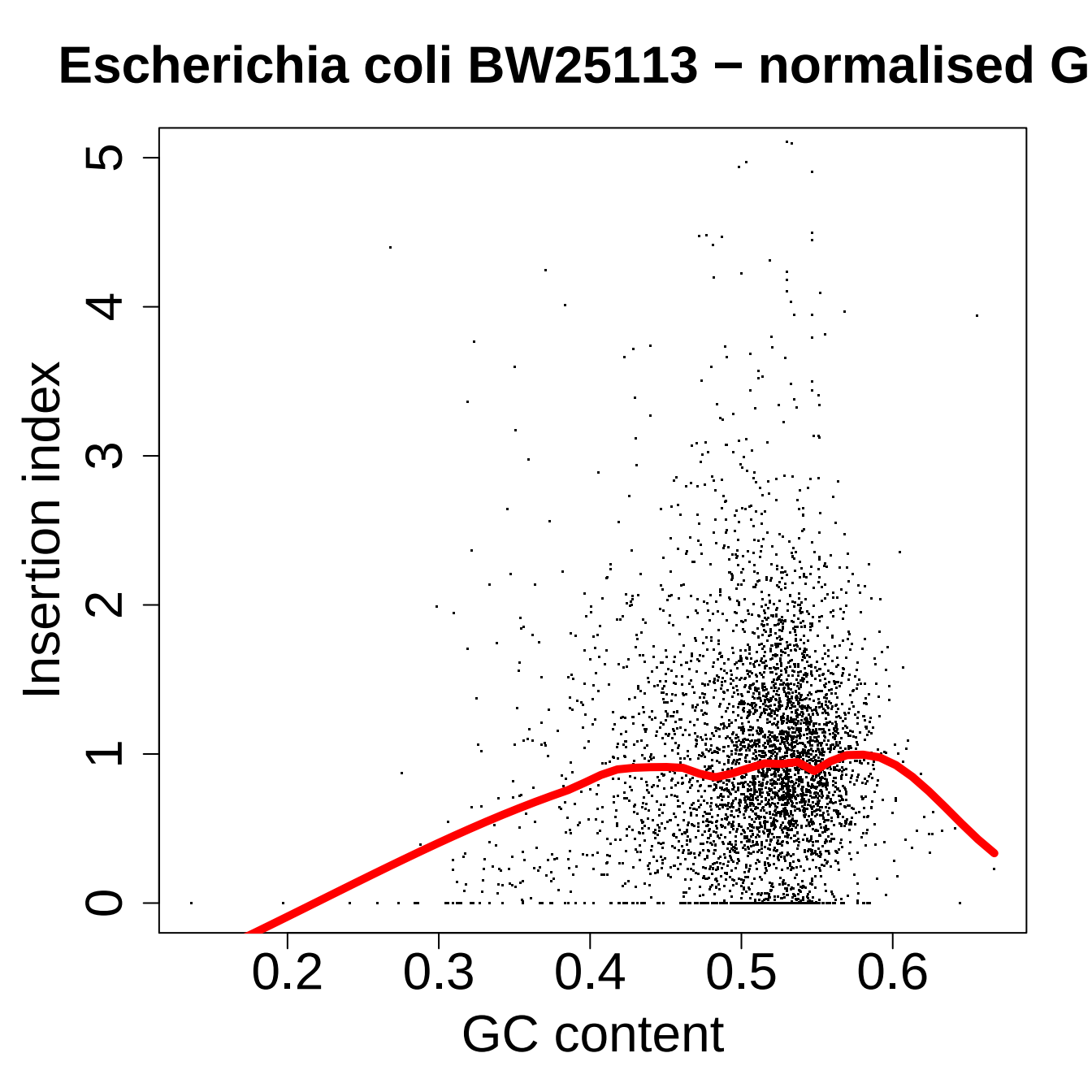
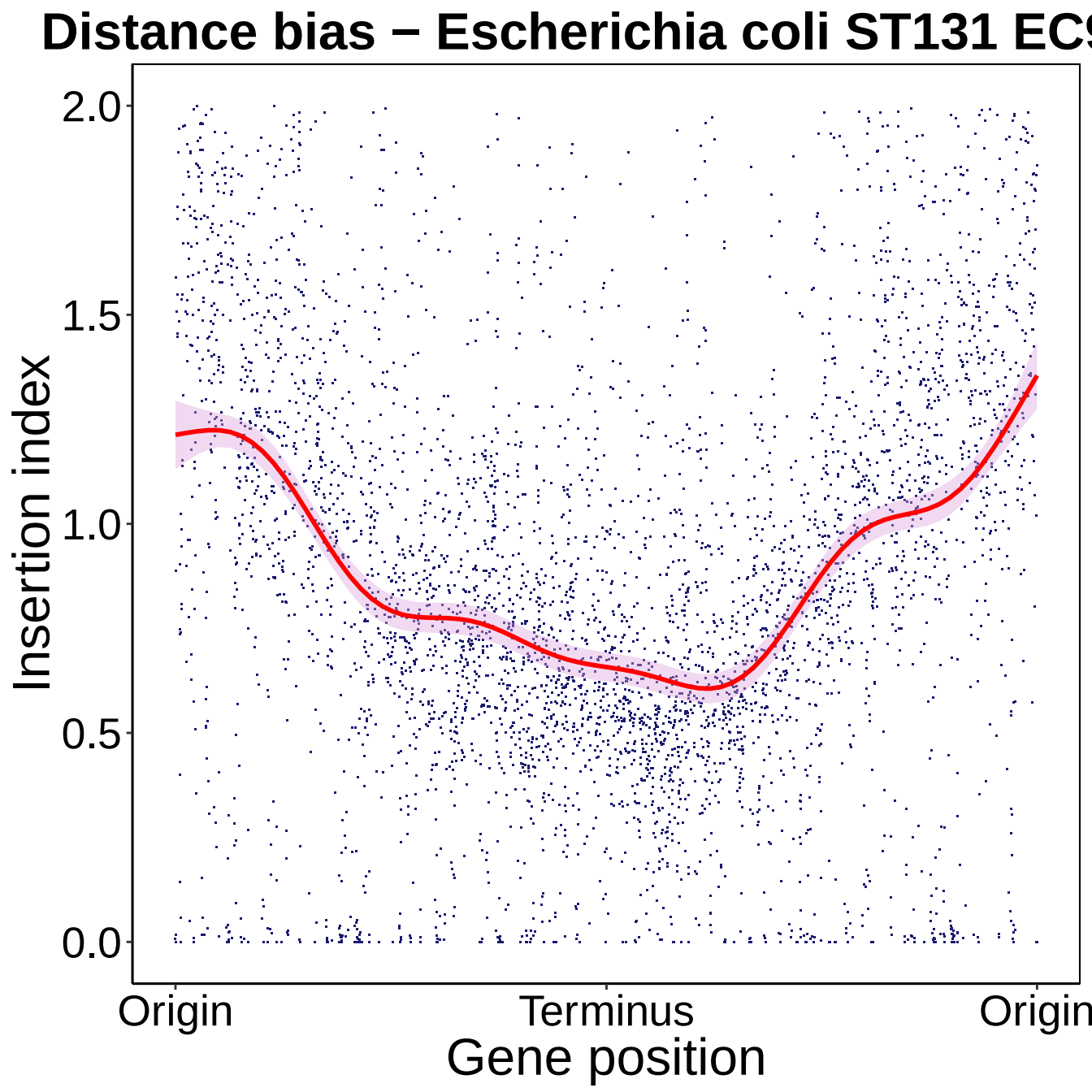
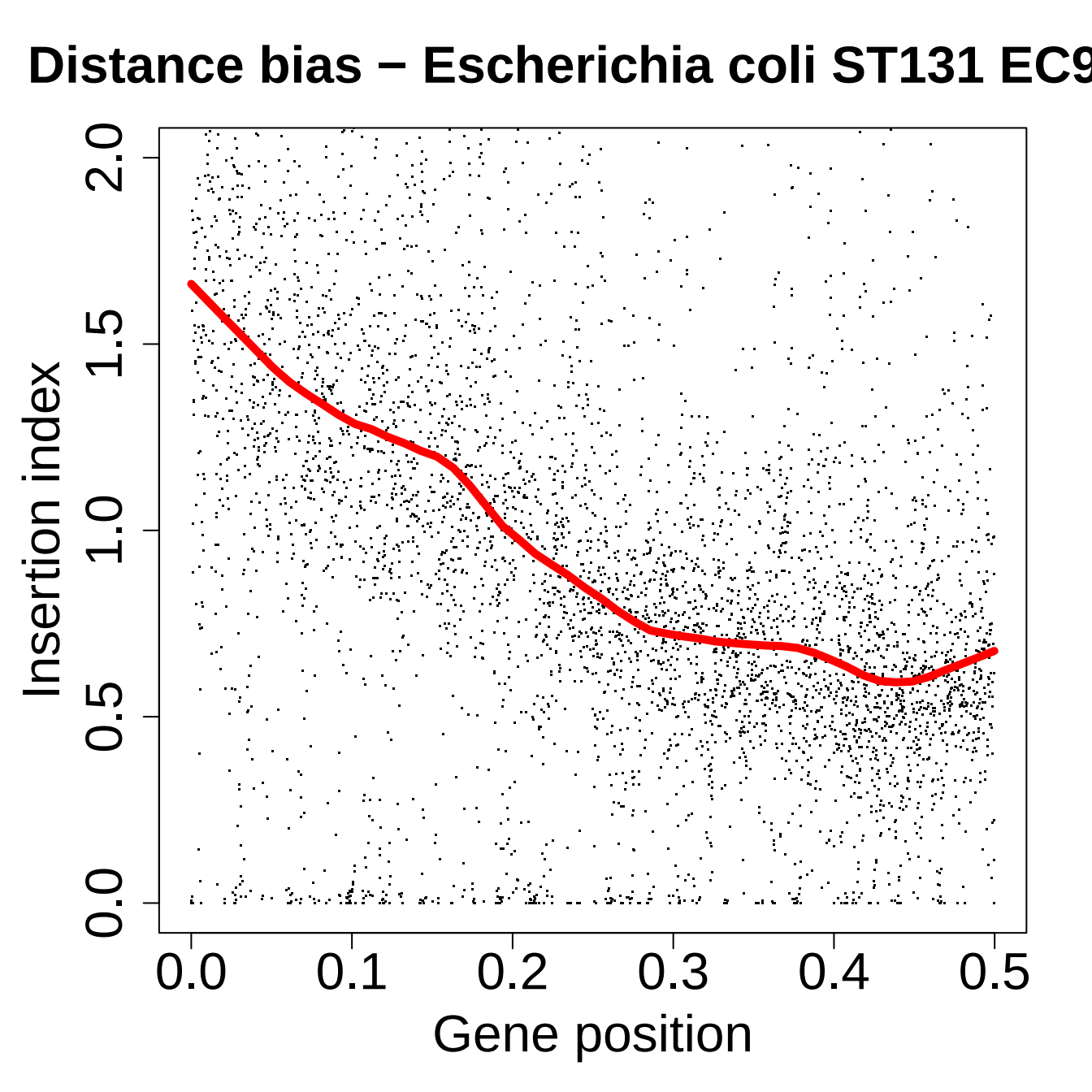
1.5
1.0
0.5
0.0
0.2
0.3
0.4
0.5
0.6
GC content

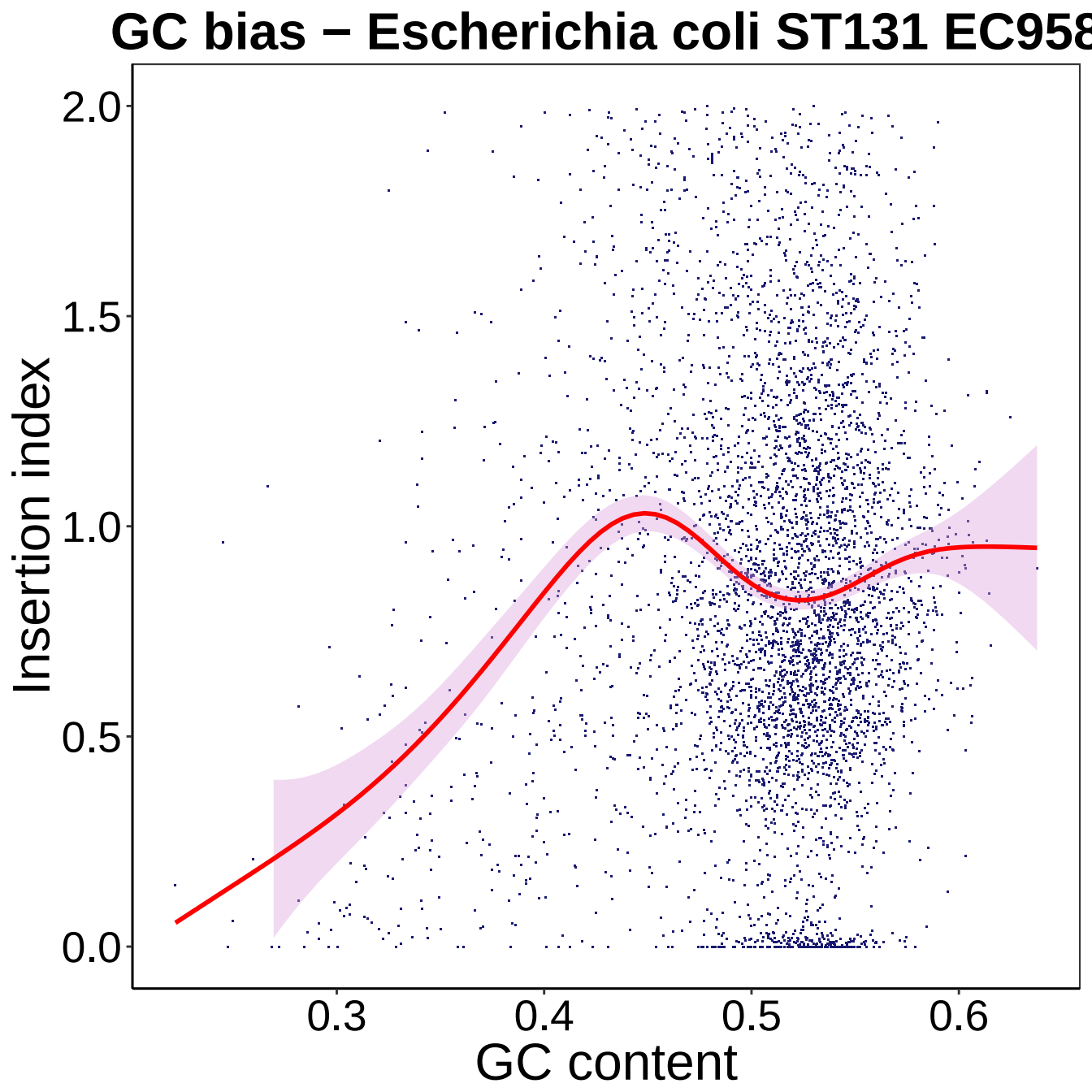

GC bias – Escherichia coli BW25113
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
GC content

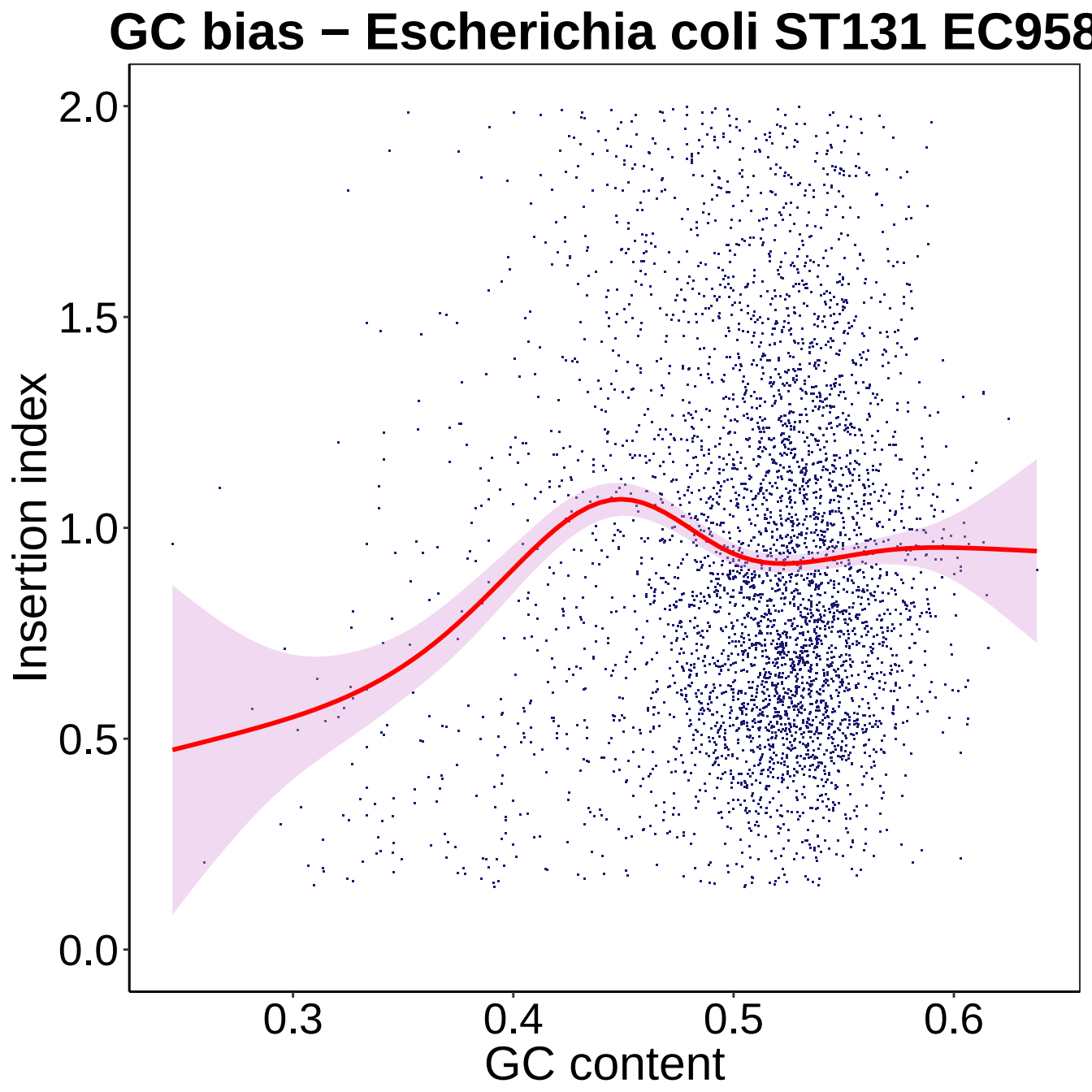

Escherichia coli BW25113 – normalised dista
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

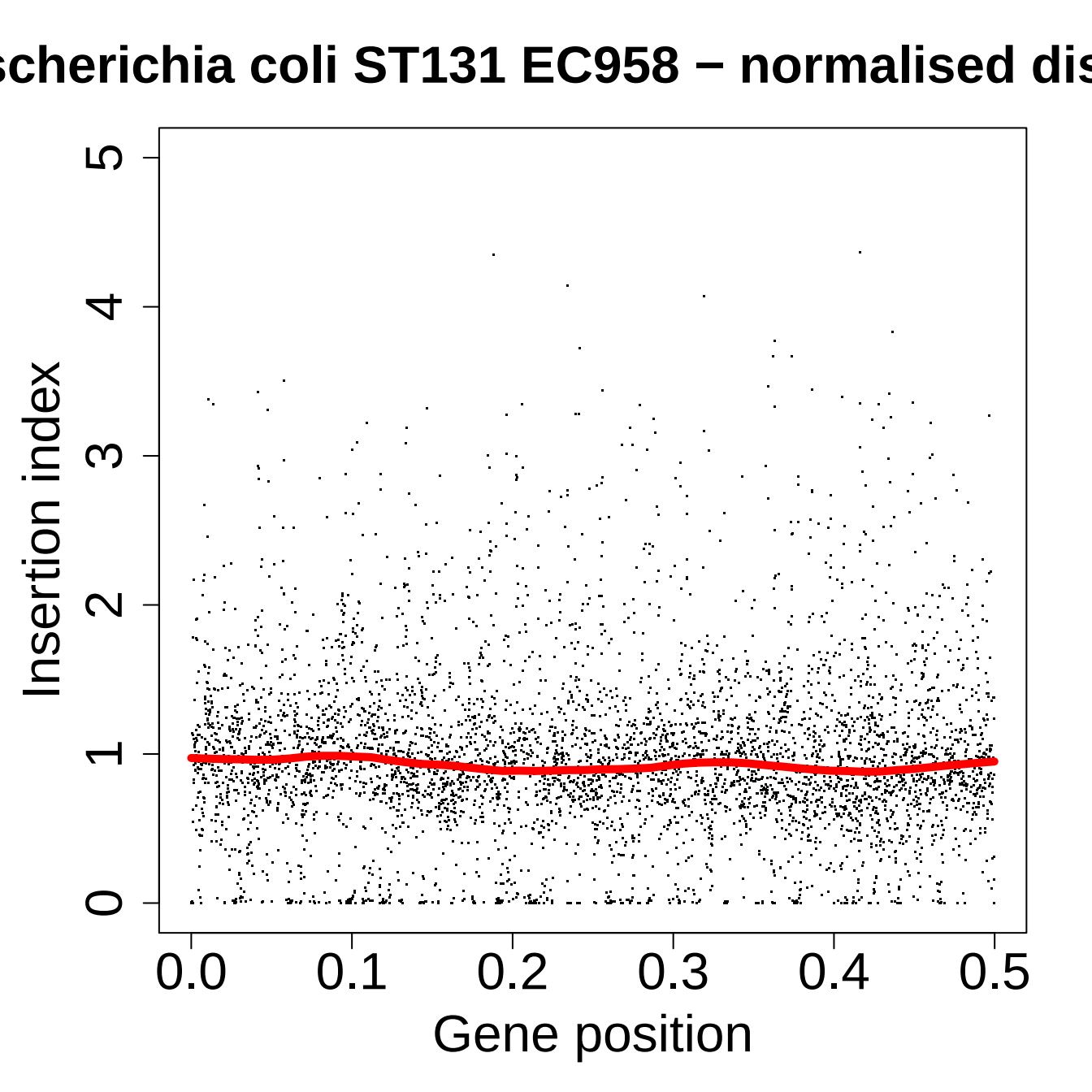

Escherichia coli BW25113 − normalised G
Insertion index
0
1
2
3
4
5
0.2
0.3
0.4
0.5
0.6
GC content

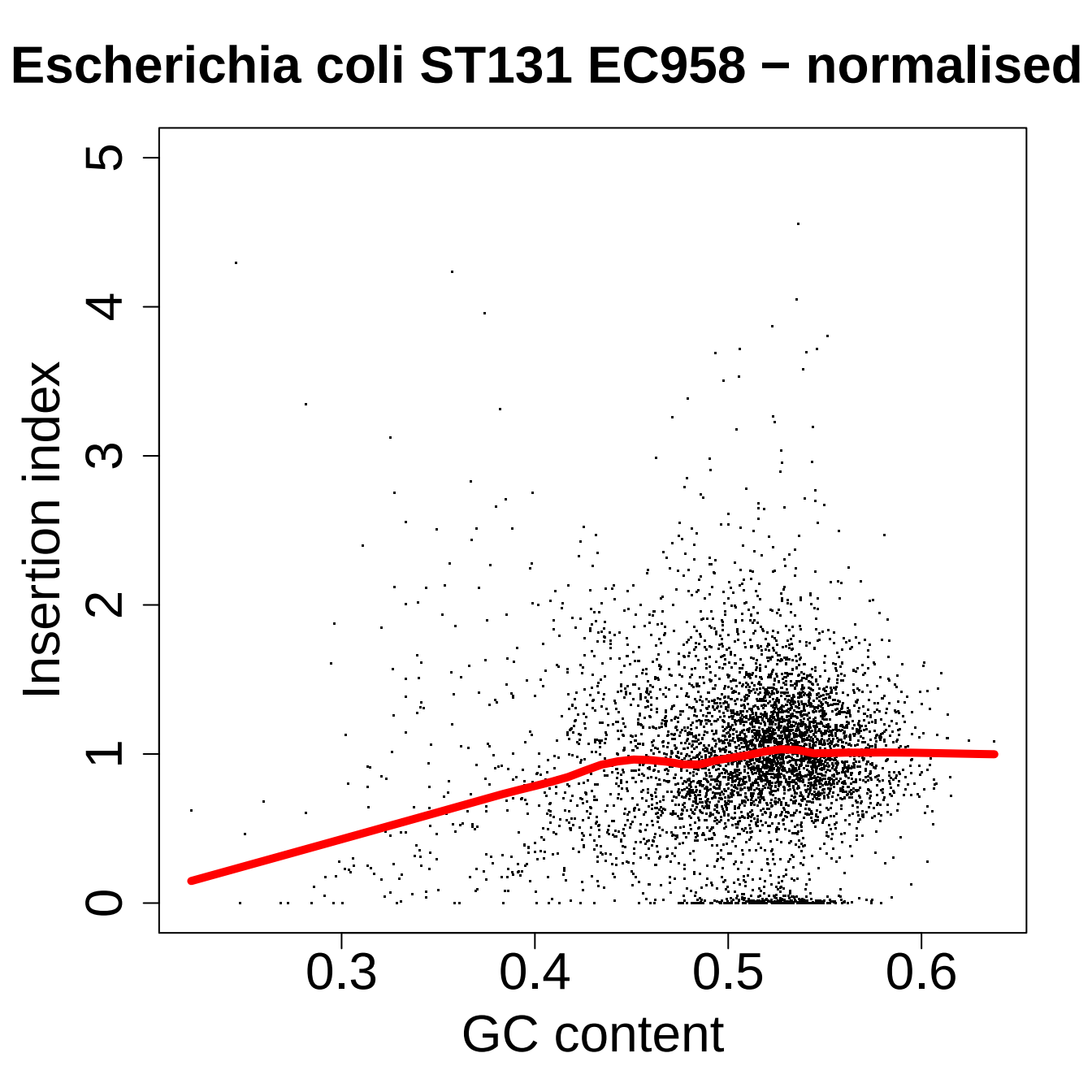

Distance bias – Escherichia coli ST131 EC9
2.0
1.5
1.0
0.5
0.0
Insertion index
Origin
Terminus
Origin
Gene position

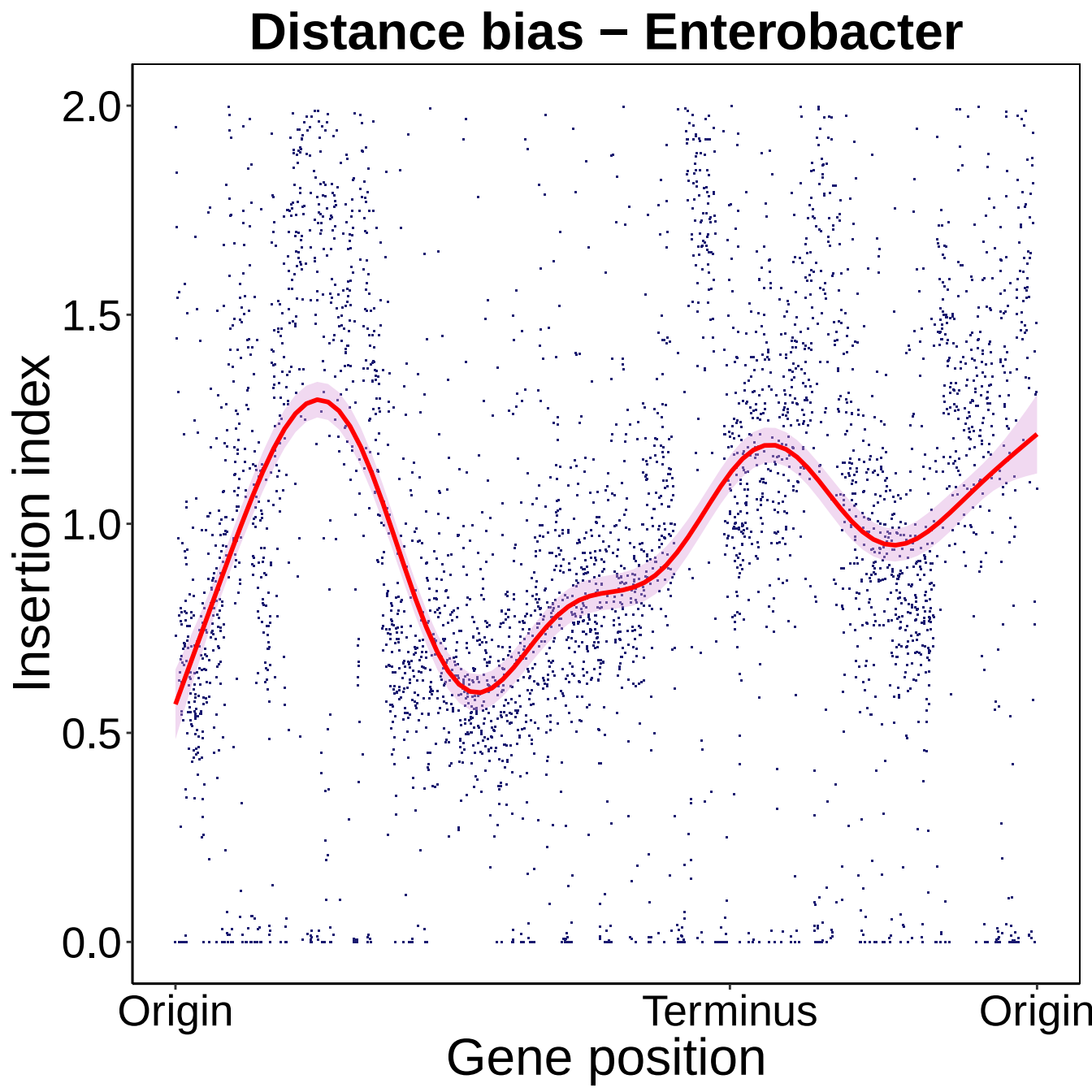

Distance bias − Escherichia coli ST131 EC9
Insertion index
0.0
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

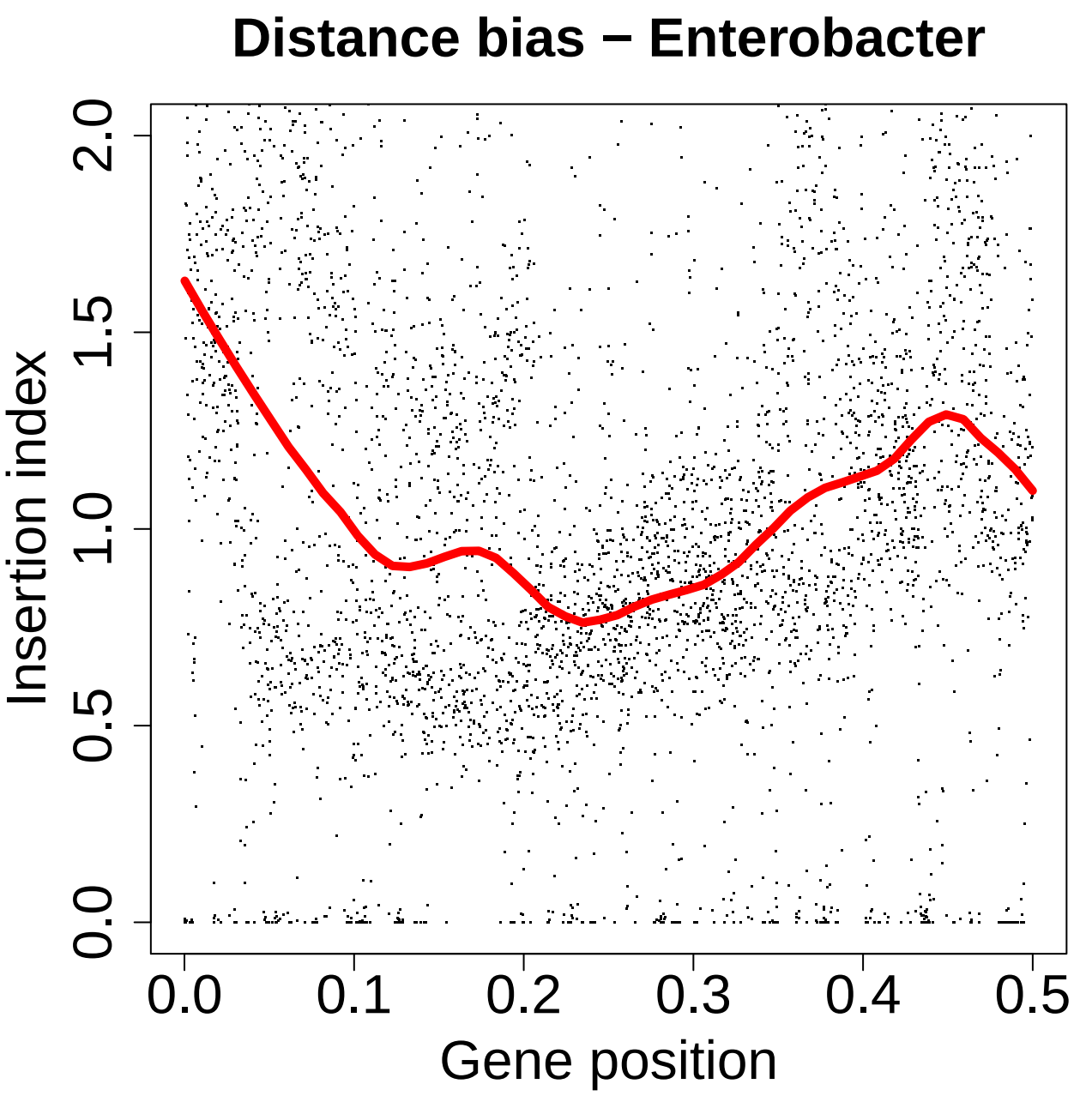

GC bias – Escherichia coli ST131 EC958
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
GC content


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


scherichia coli ST131 EC958 − normalised dis
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


Escherichia coli ST131 EC958 − normalised
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
GC content


Distance bias – Enterobacter
2.0
1.5
1.0
0.5
0.0
Insertion index
Origin
Terminus
Origin
Gene position


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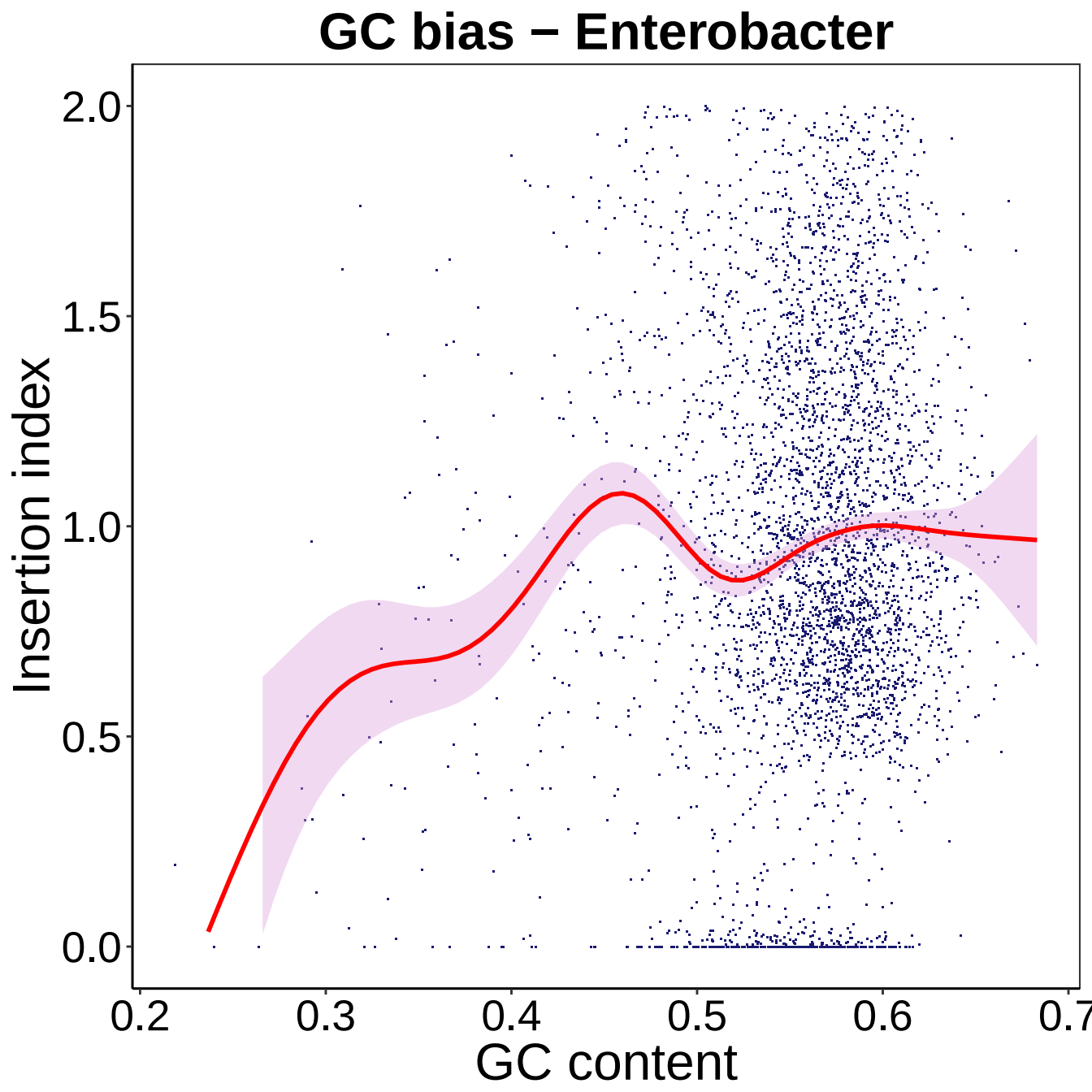
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


GC bias − Enterobacter
Insertion index
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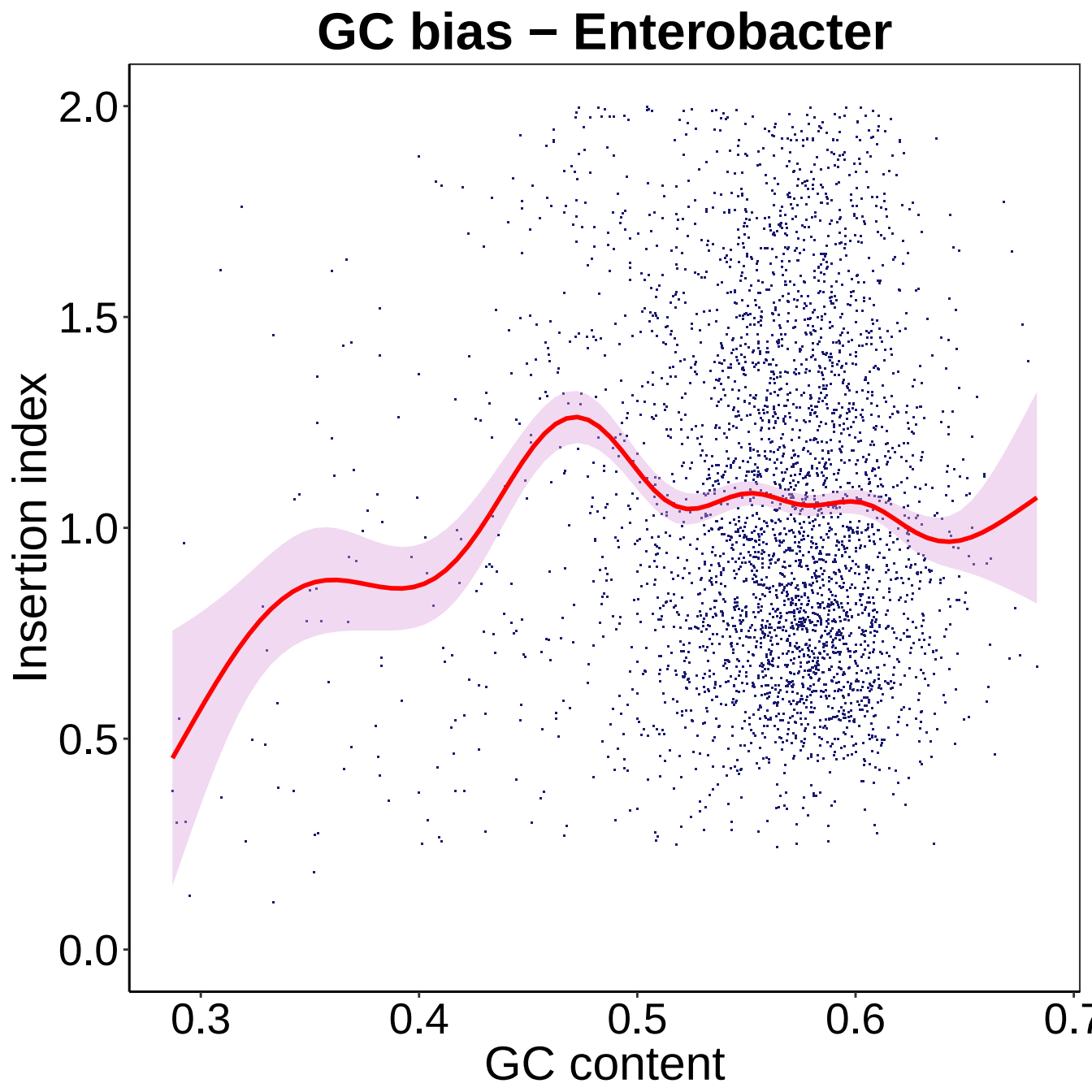
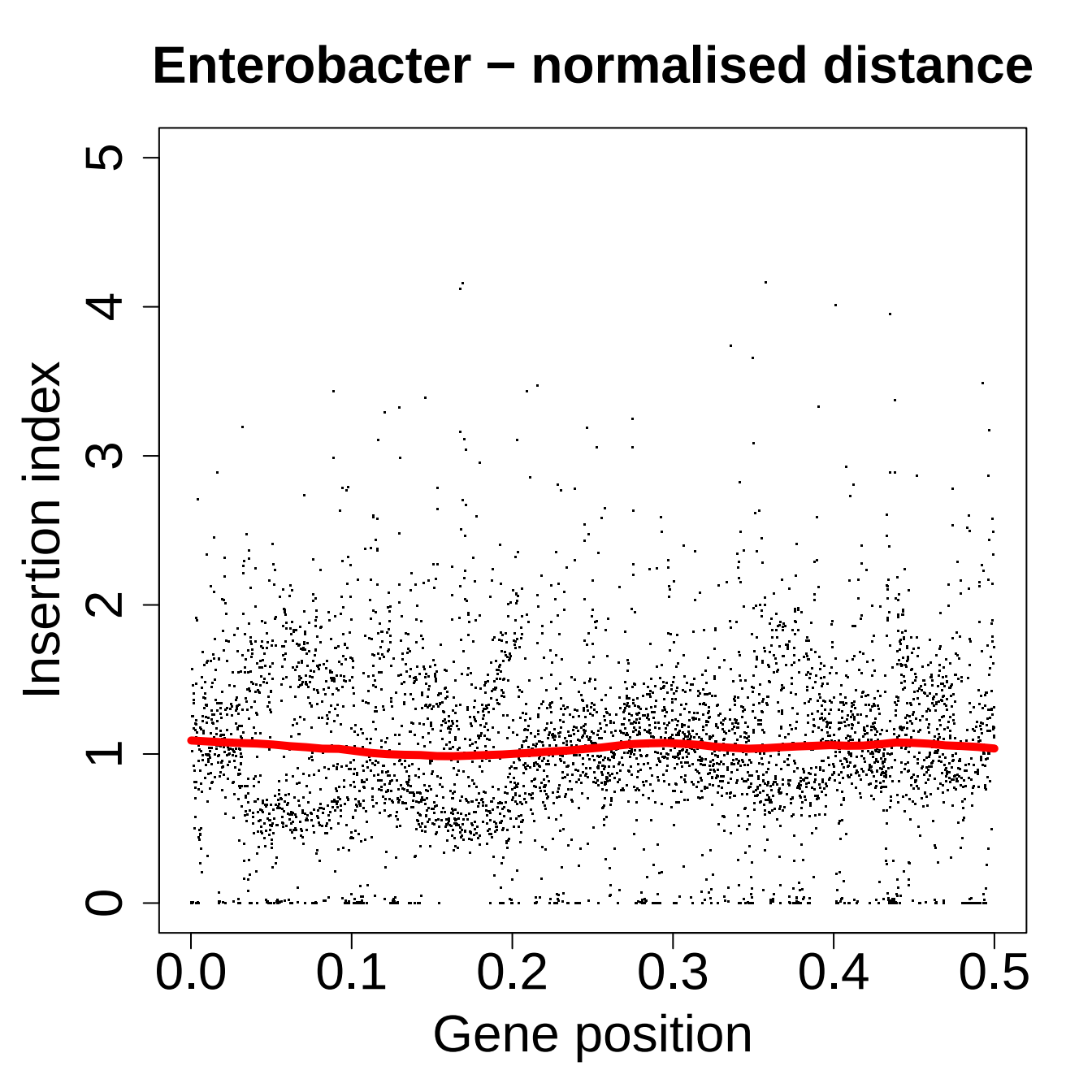
1.0
0.5
0.0
0.2
0.3
0.4
0.5
0.6
0.7
GC content


GC bias − Enterobacter
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content


Enterobacter − normalised distance
Insertion index
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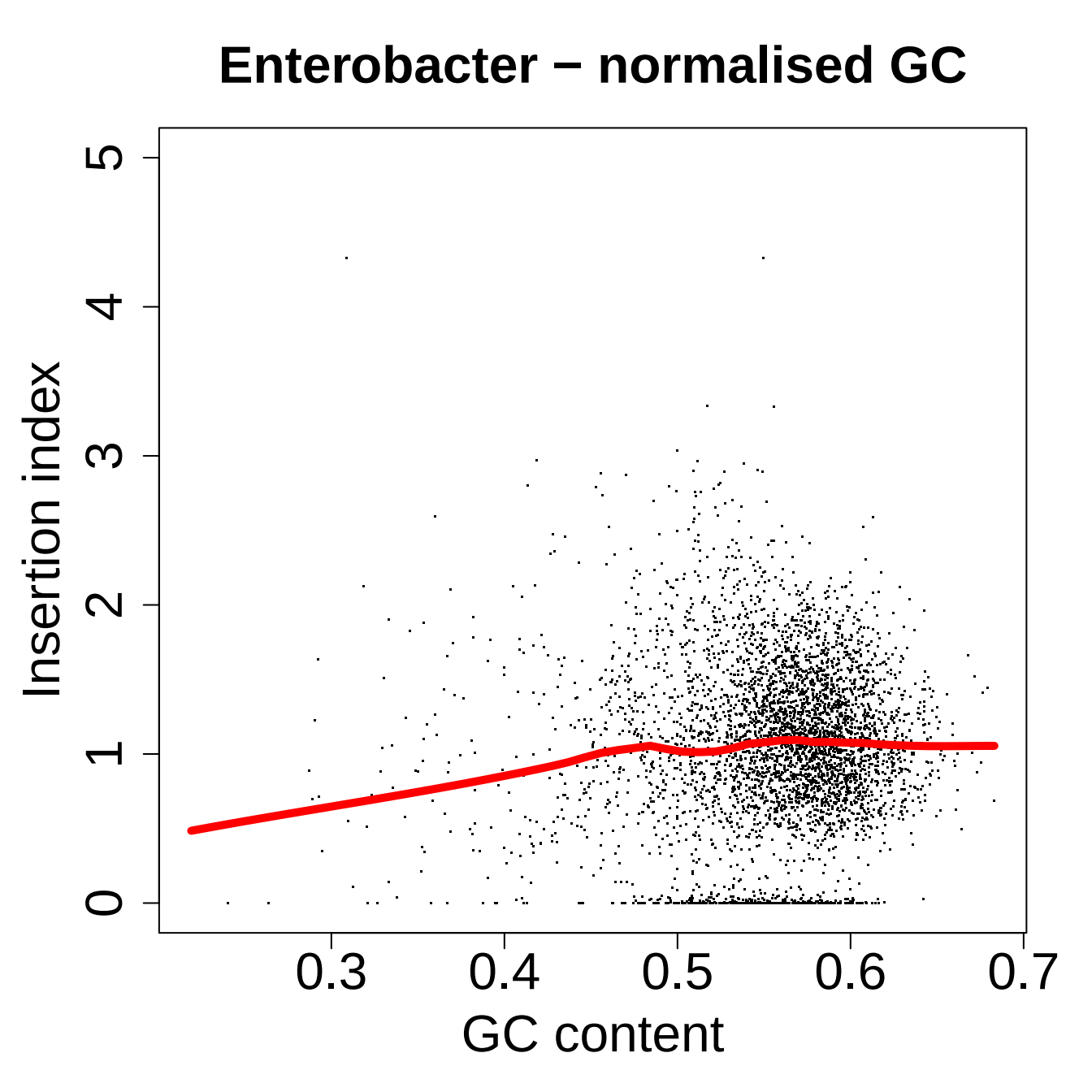
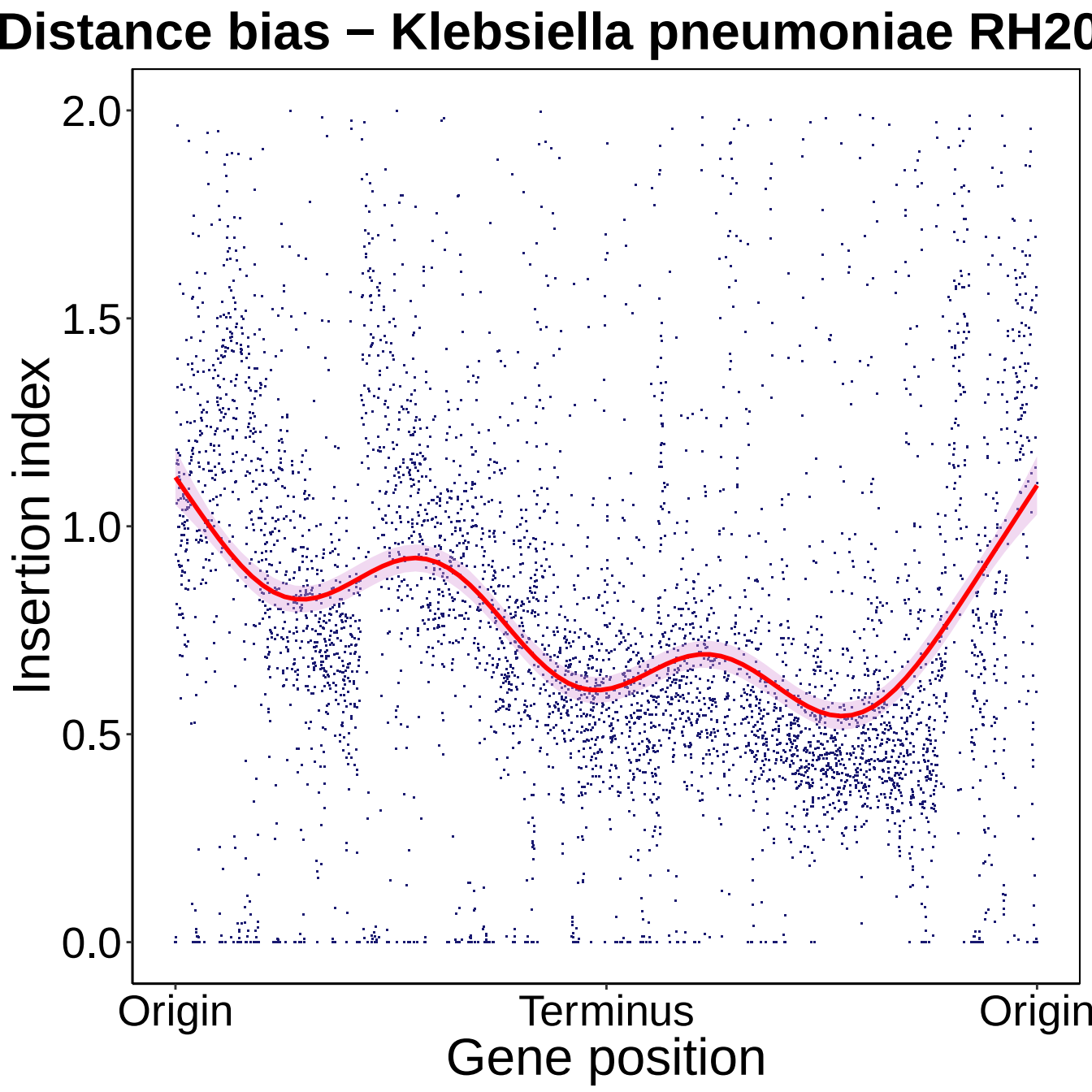
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


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


Distance bias − Klebsiella pneumoniae RH20
2.0
1.5
1.0
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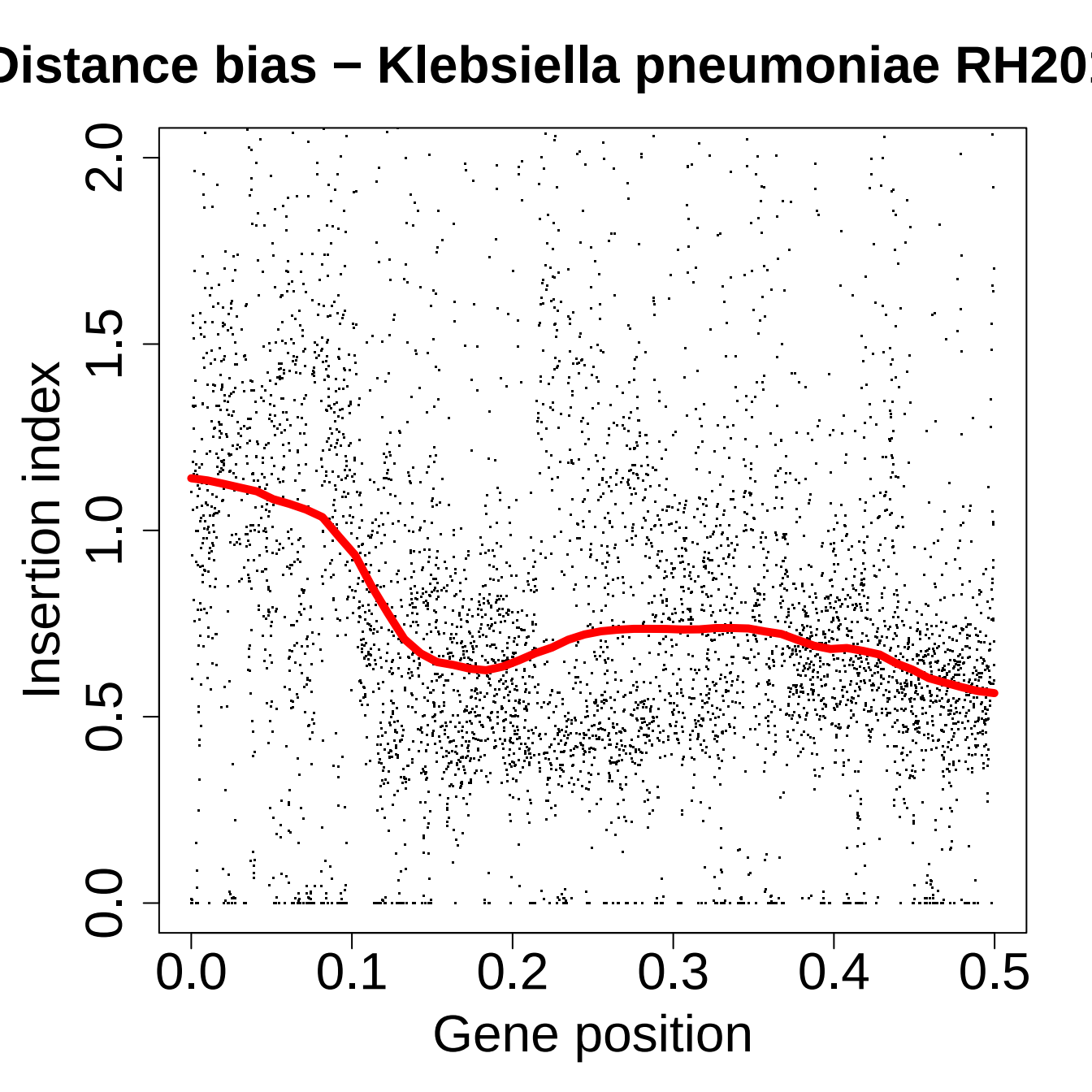
0.0
Insertion index
Origin
Terminus
Origin
Gene position


Distance bias − Klebsiella pneumoniae RH20
Insertion index
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1.0
1.5
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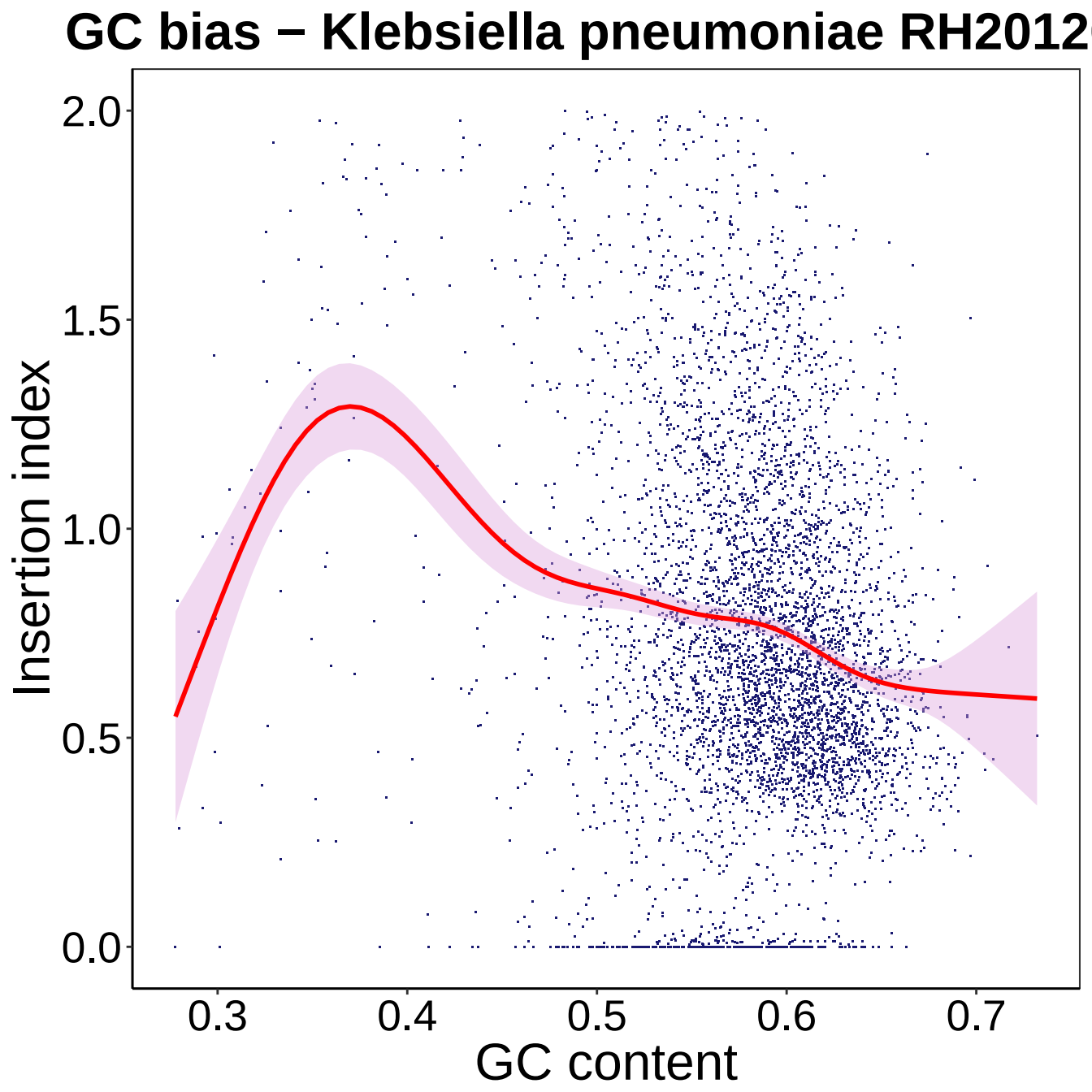
0.1
0.2
0.3
0.4
0.5
Gene position


GC bias – Klebsiella pneumoniae RH2012
Insertion index
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1.0
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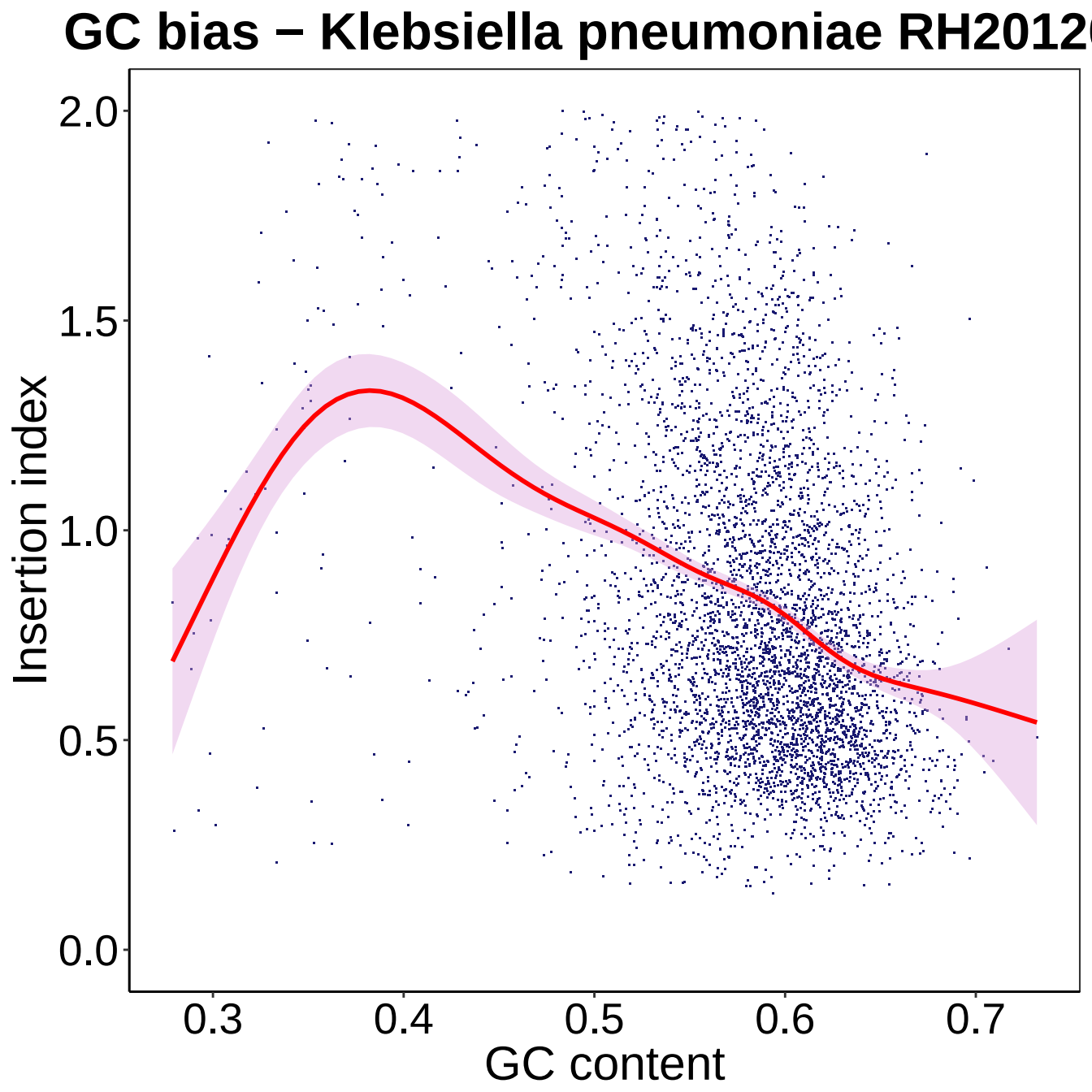
0.0
0.3
0.4
0.5
0.6
0.7
GC content


GC bias – Klebsiella pneumoniae RH2012
Insertion index
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1.5
1.0
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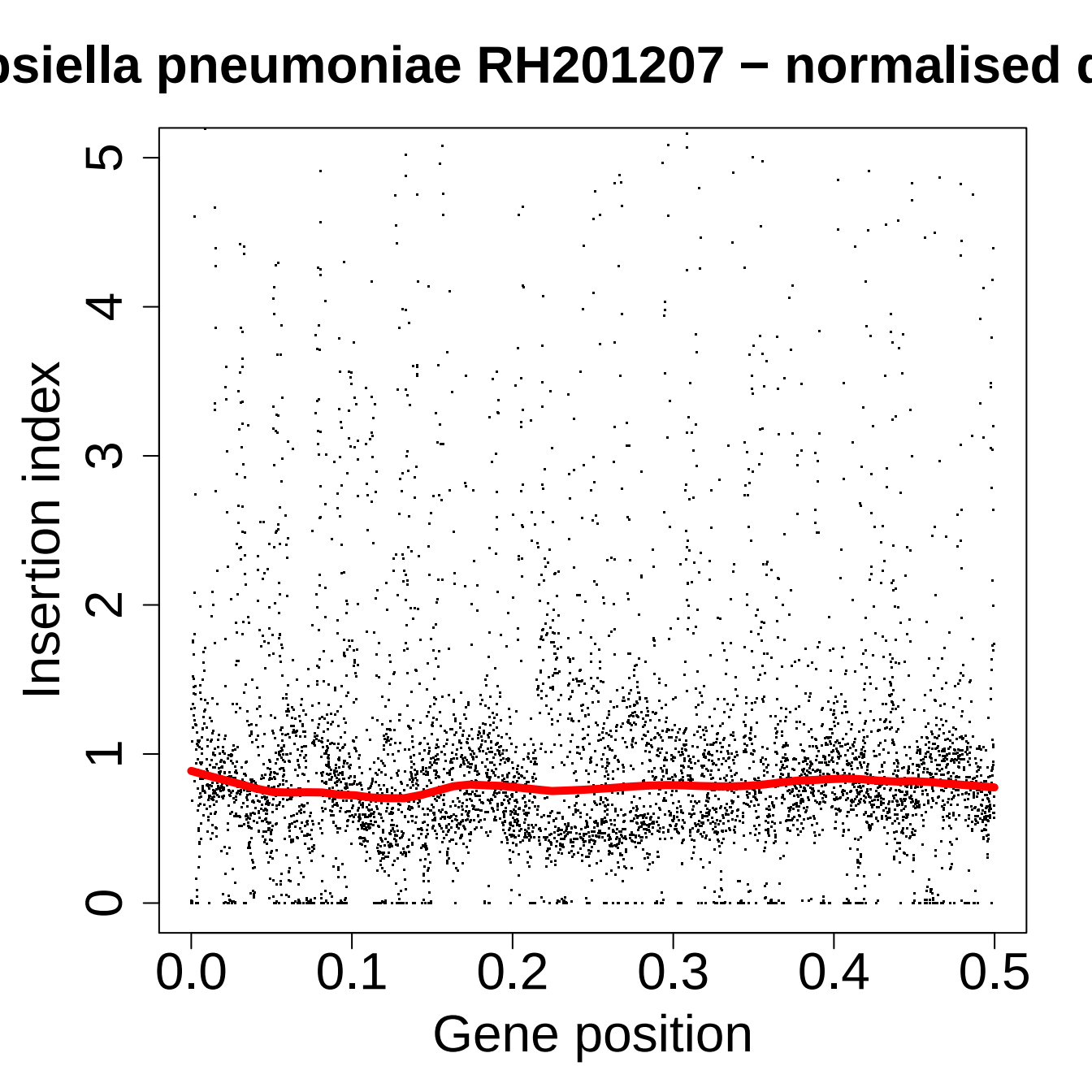
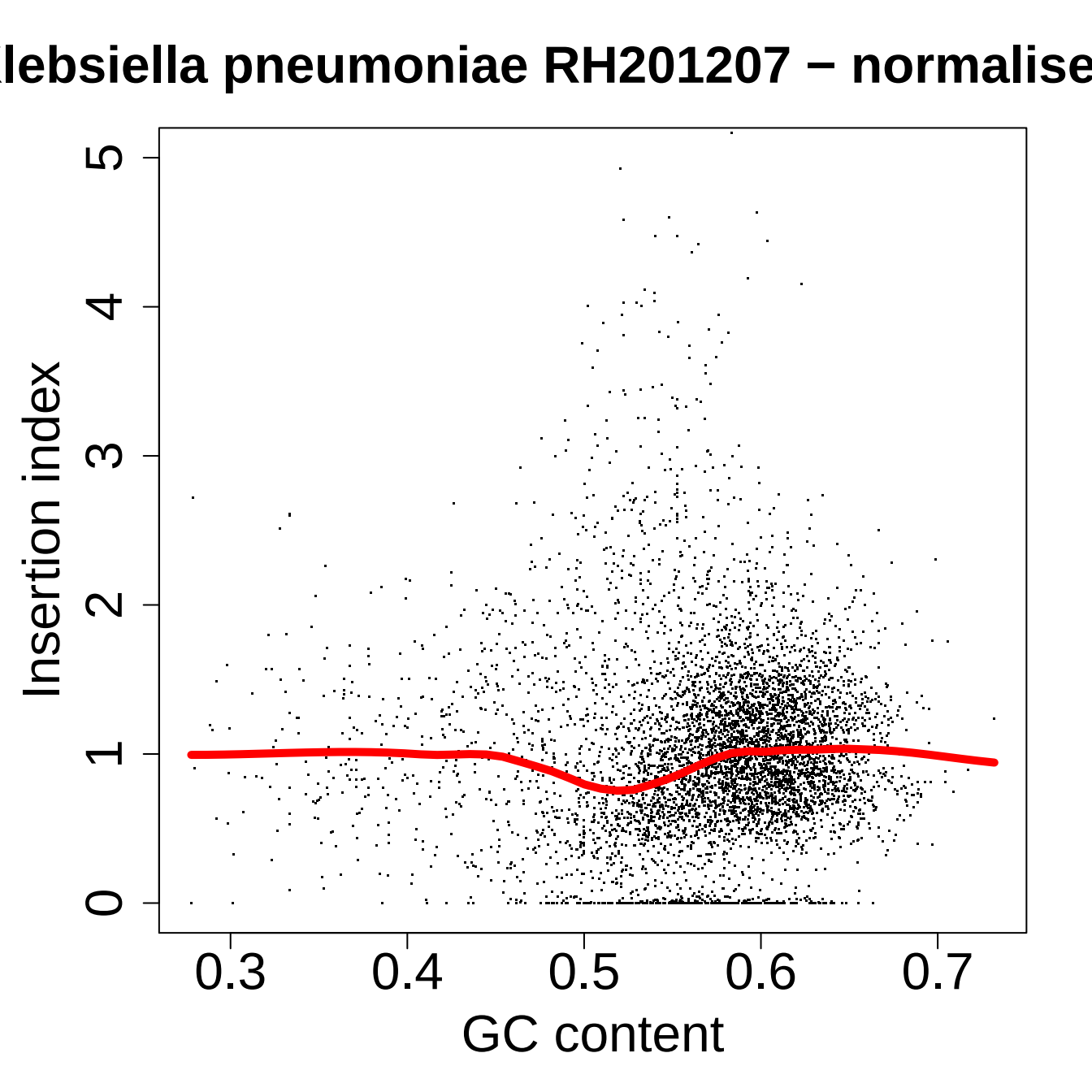
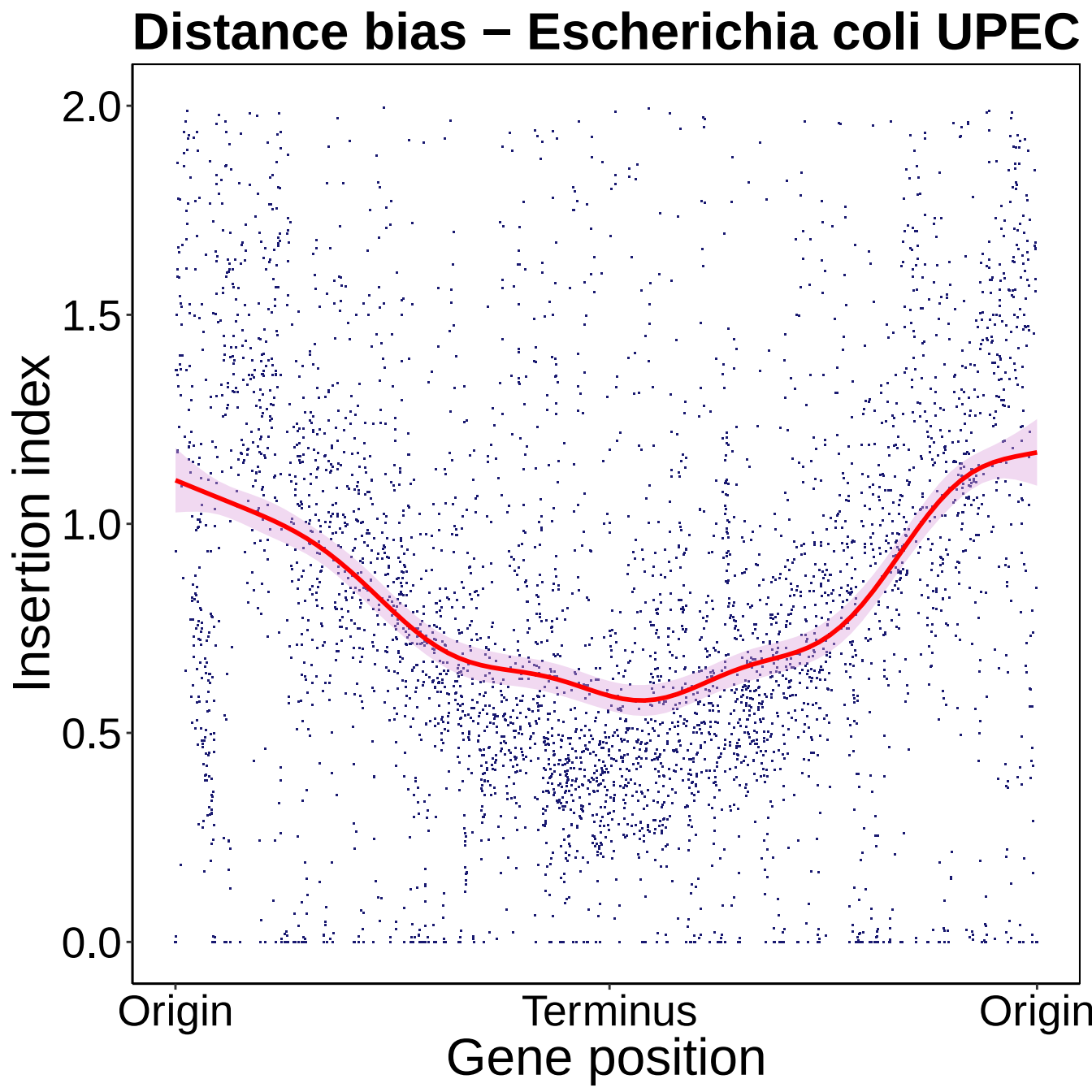
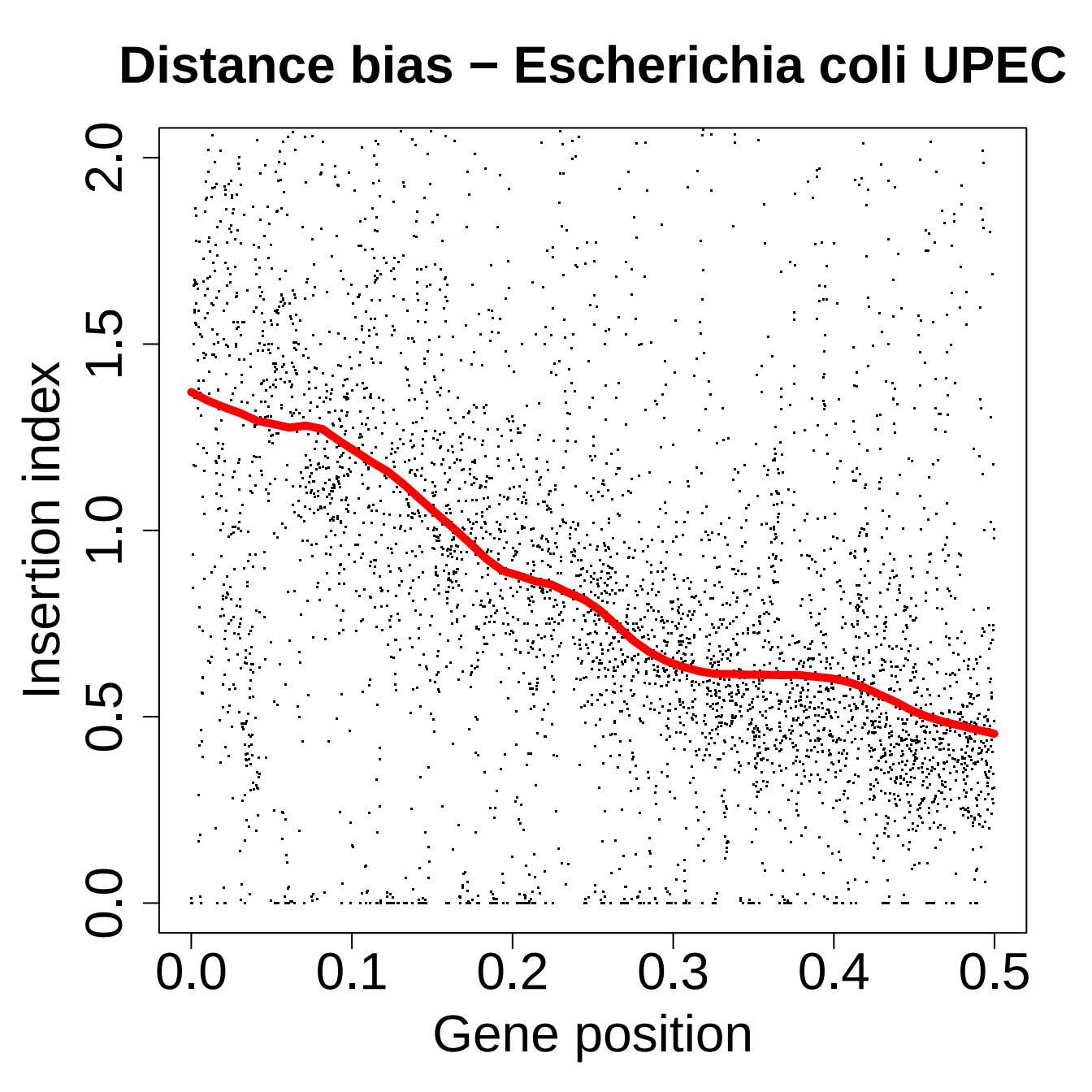
0.0
0.3
0.4
0.5
0.6
0.7
GC content


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


lebsiella pneumoniae RH201207 – normalise
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
0.7
GC content


Distance bias – Escherichia coli UPEC
Insertion index
2.0
1.5
1.0
0.5
0.0
Origin
Terminus
Origin
Gene position


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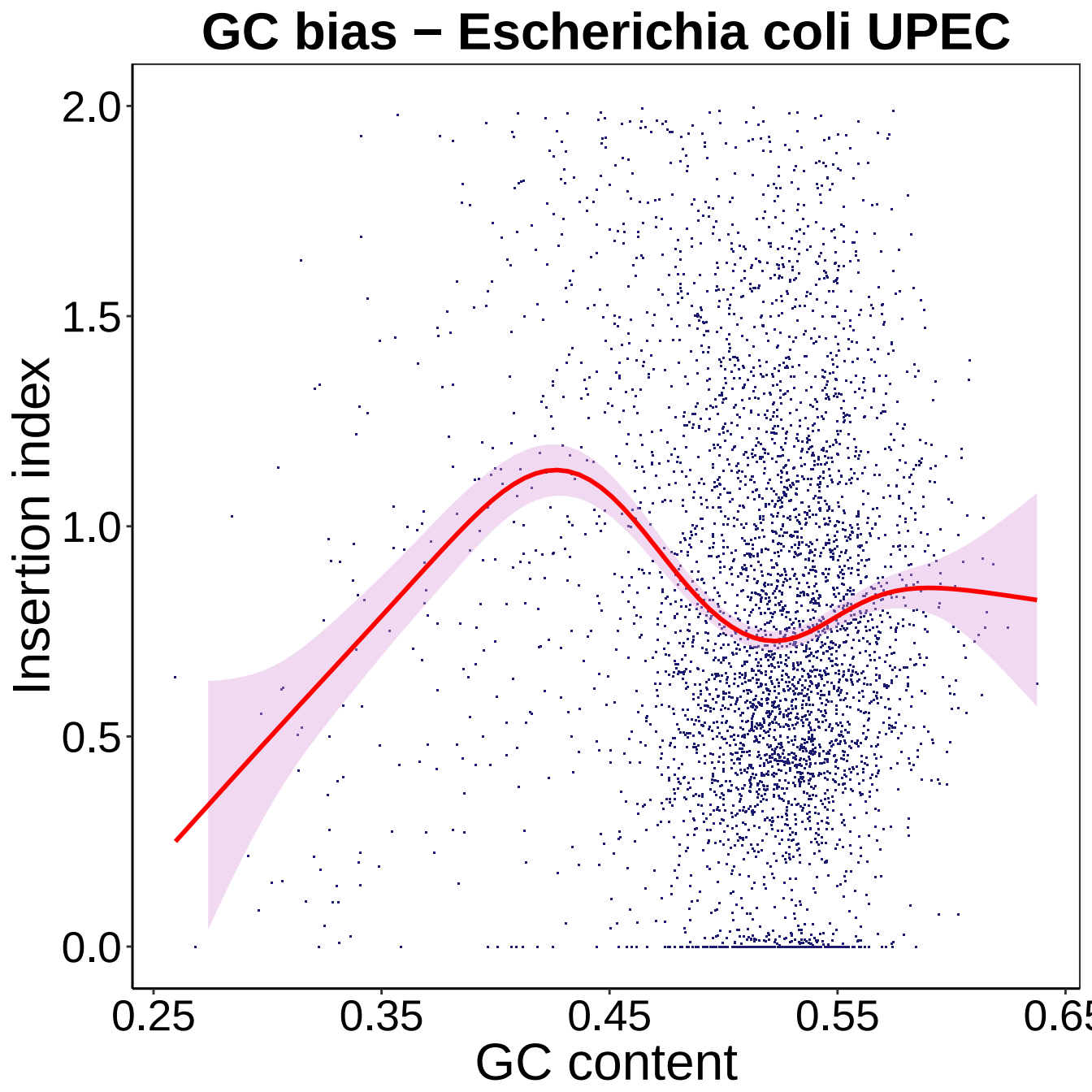
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


GC bias – Escherichia coli UPEC
Insertion index
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1.5
1.0
0.5
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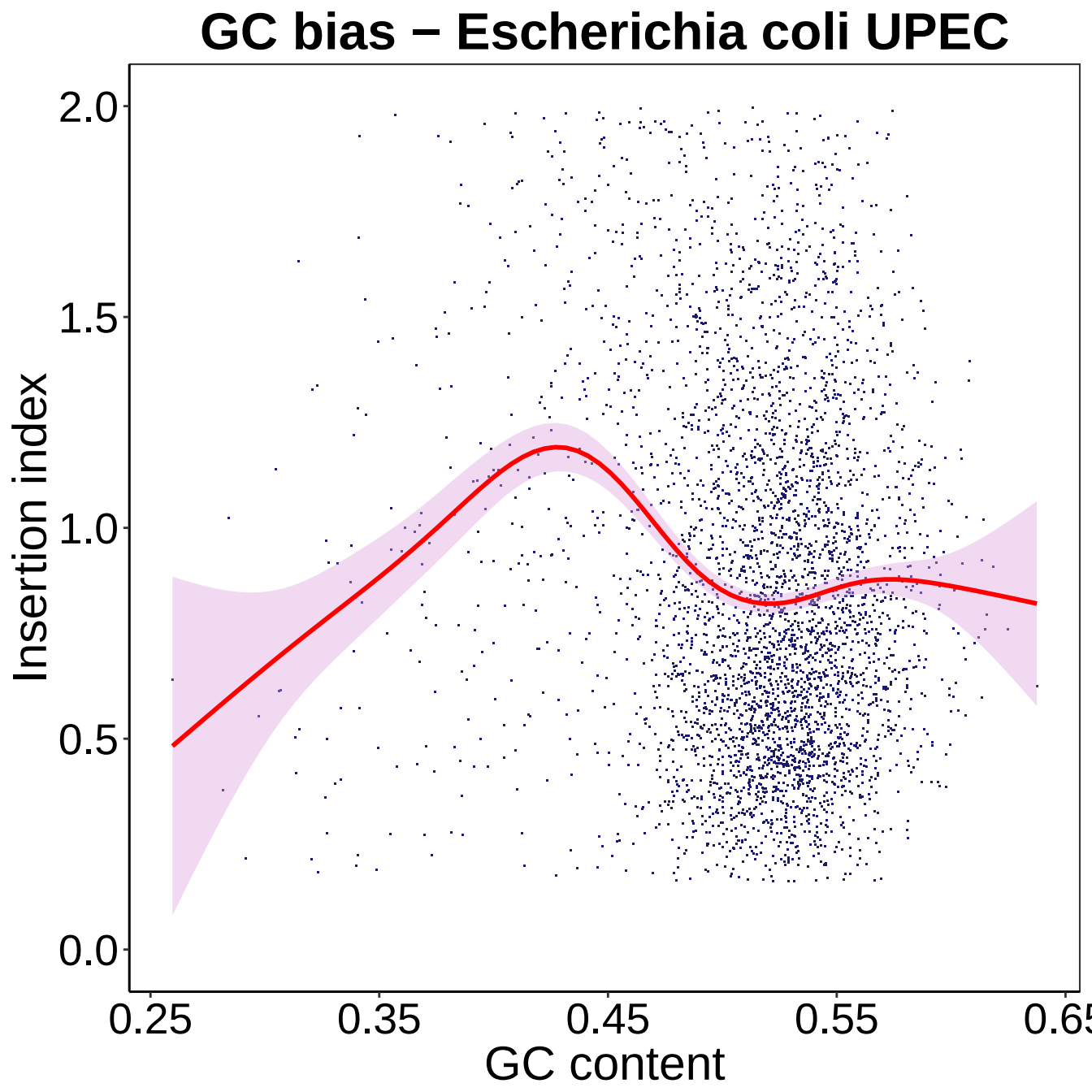
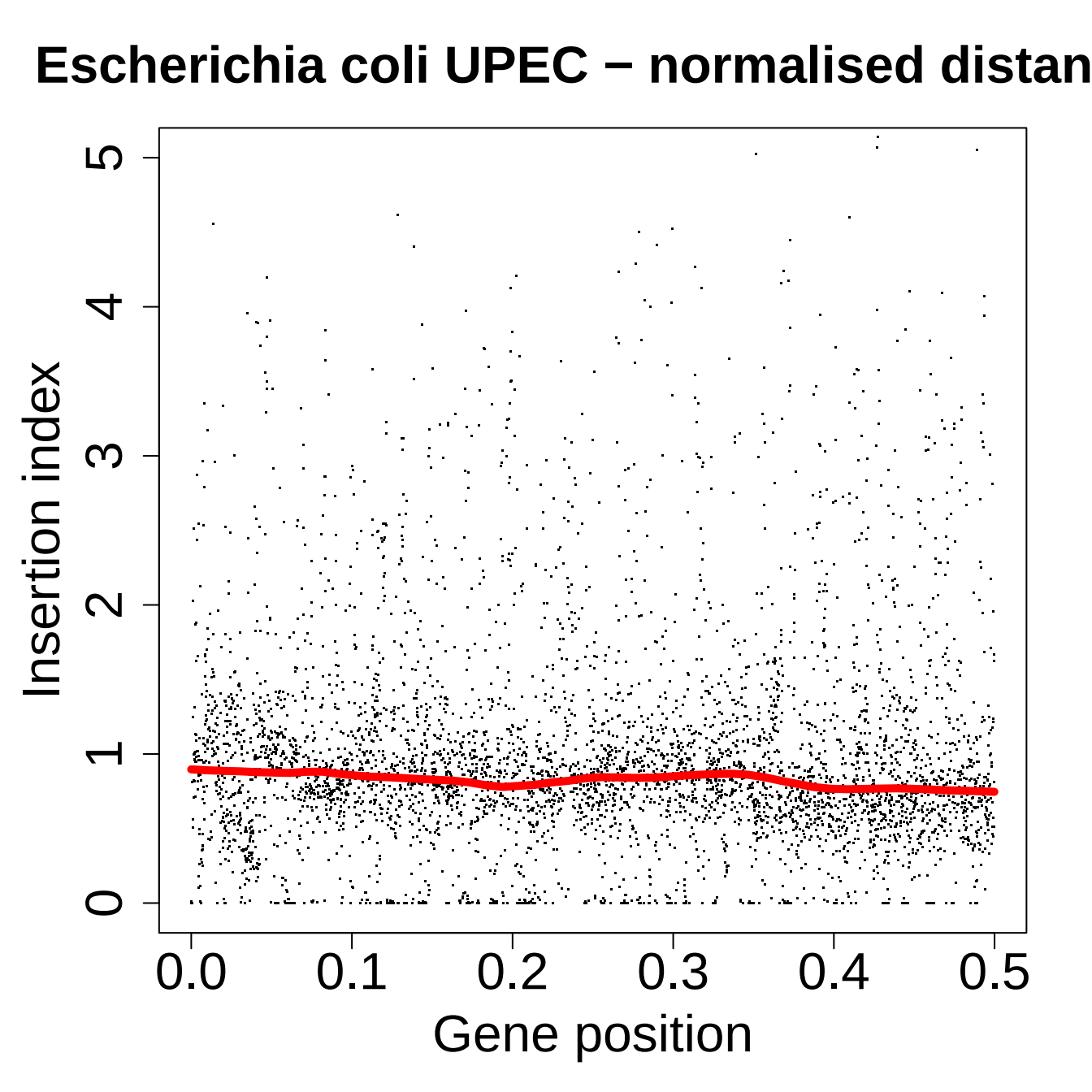
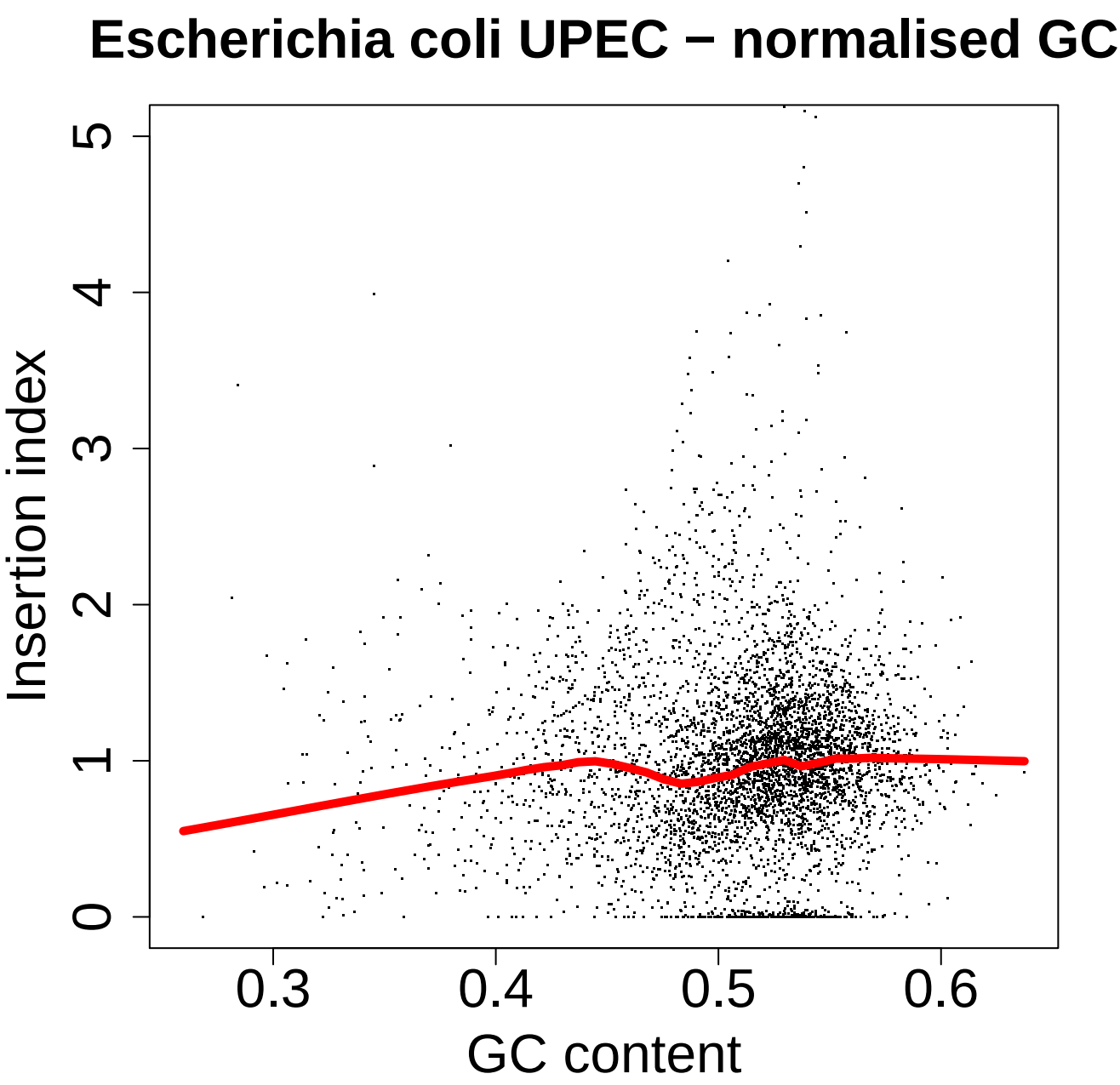
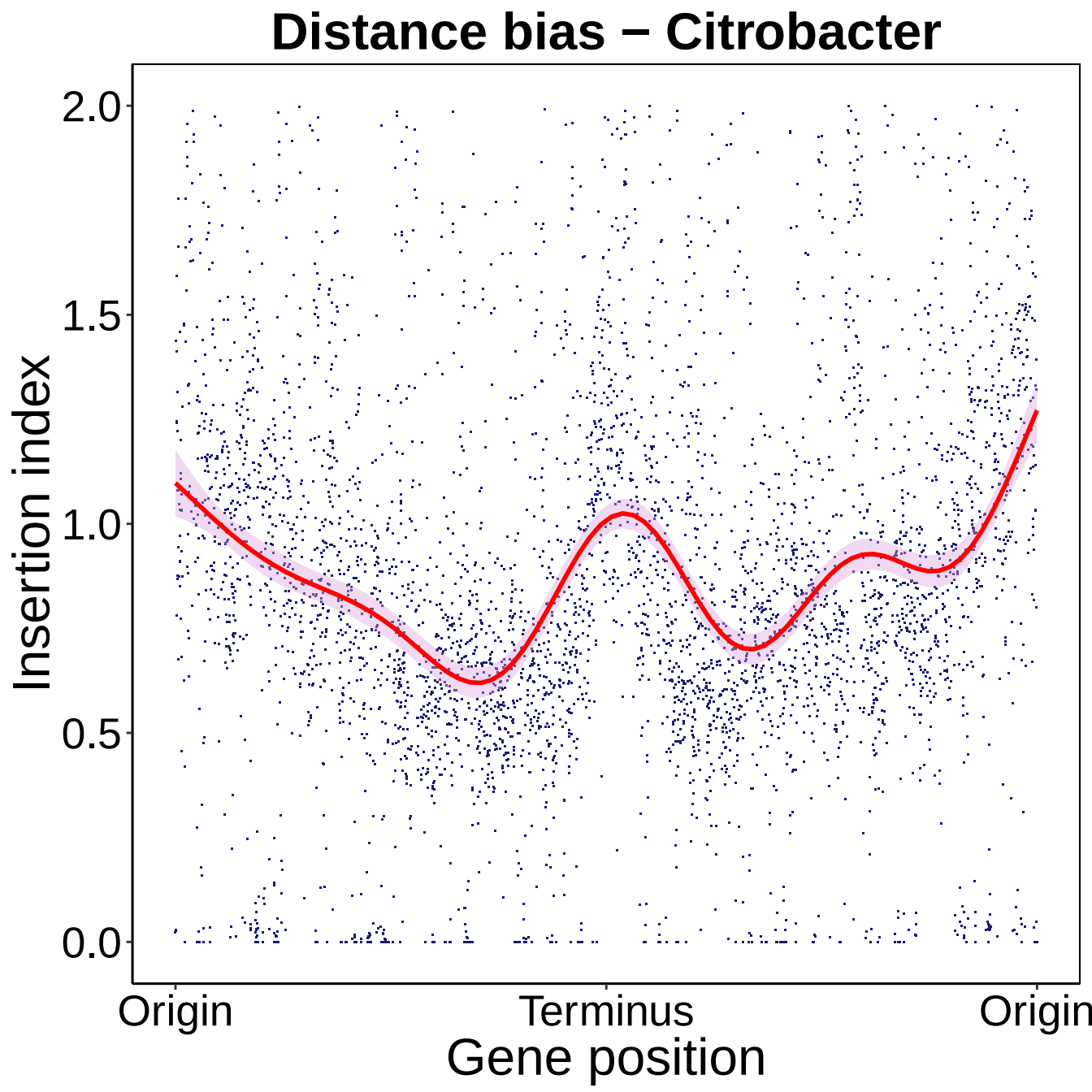
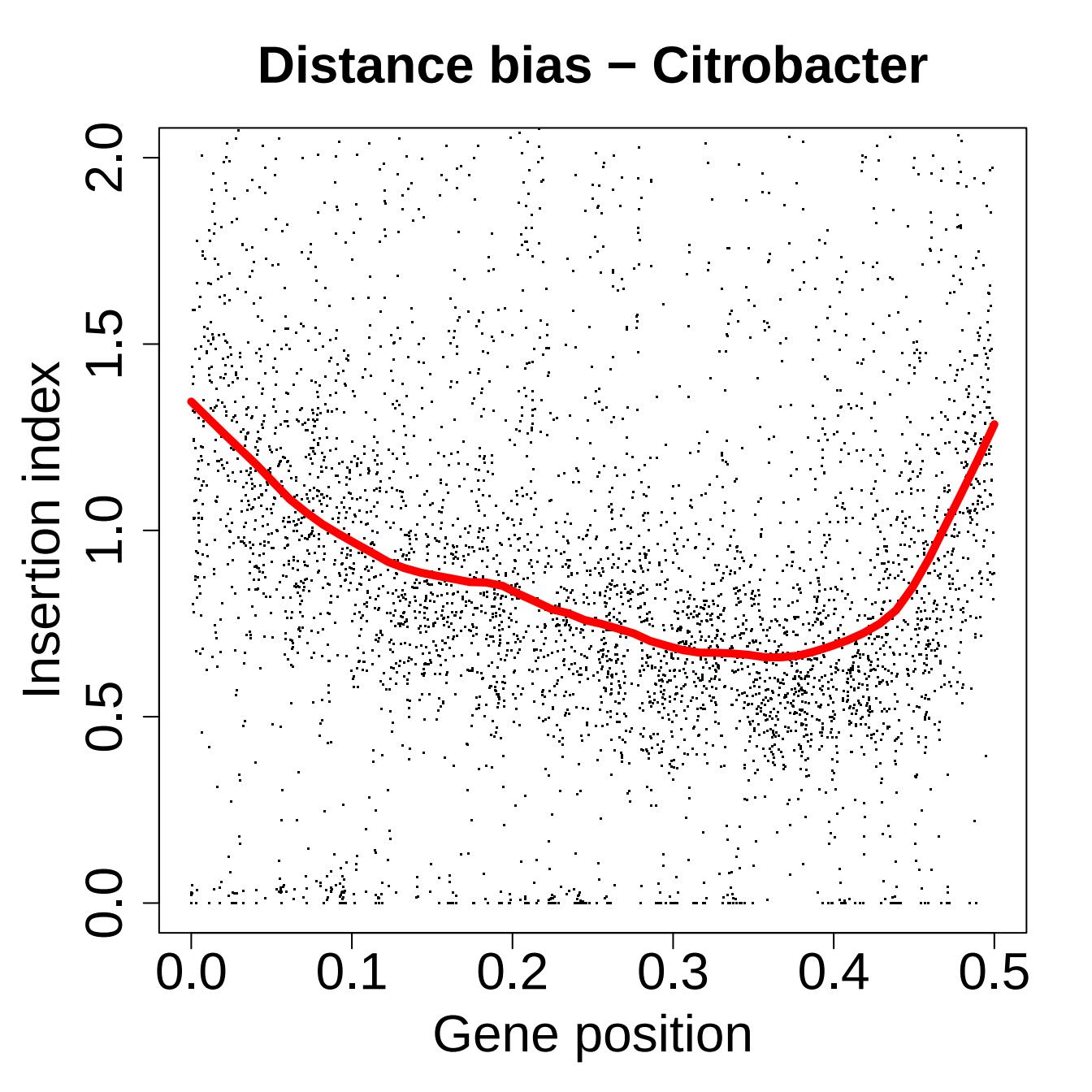
0.25
0.35
0.45
0.55
0.65
GC content

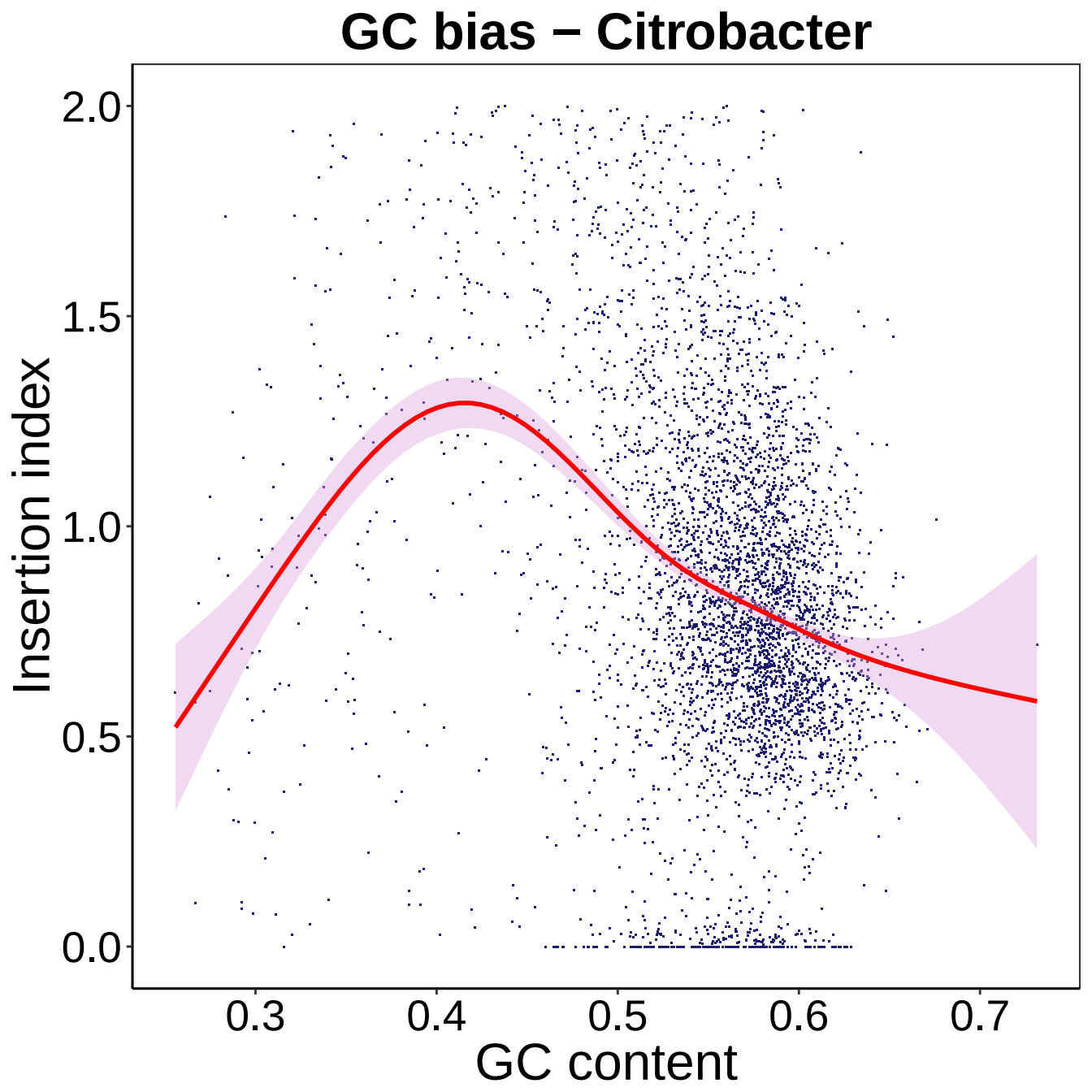

GC bias – Escherichia coli UPEC
Insertion index
2.0
1.5
1.0
0.5
0.0
0.25
0.35
0.45
0.55
0.65
GC content

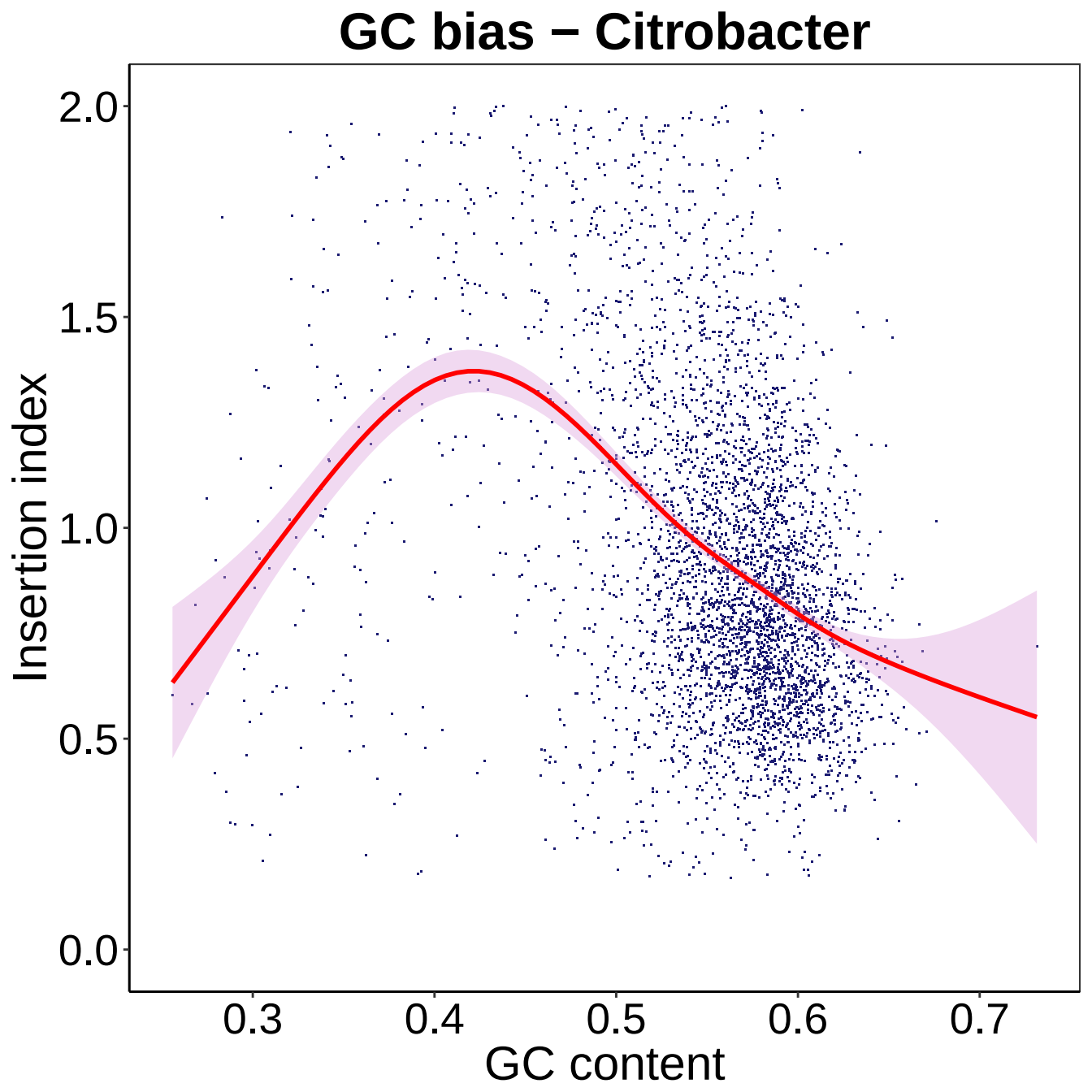

Escherichia coli UPEC – normalised distan
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

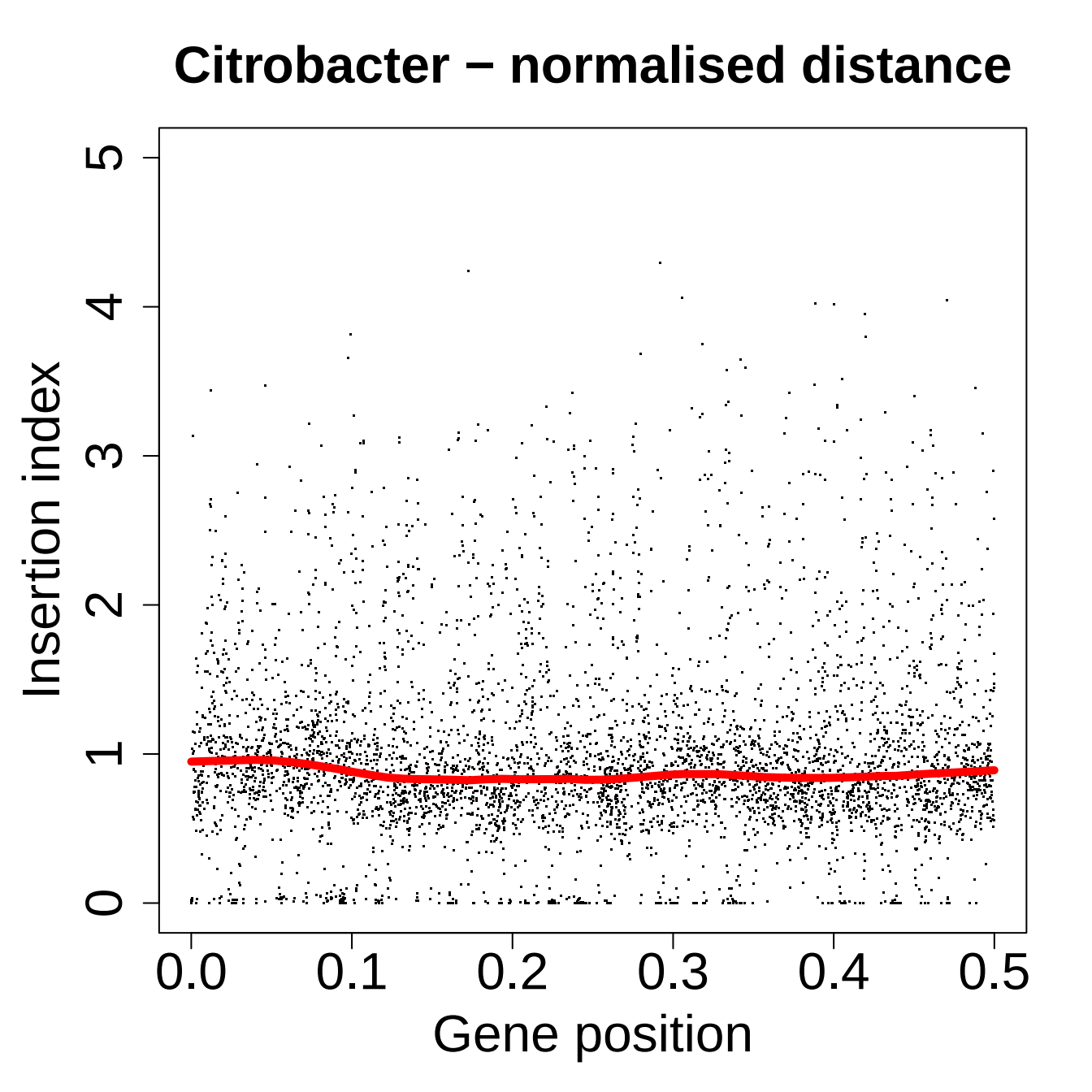

Escherichia coli UPEC – normalised GC
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
GC content

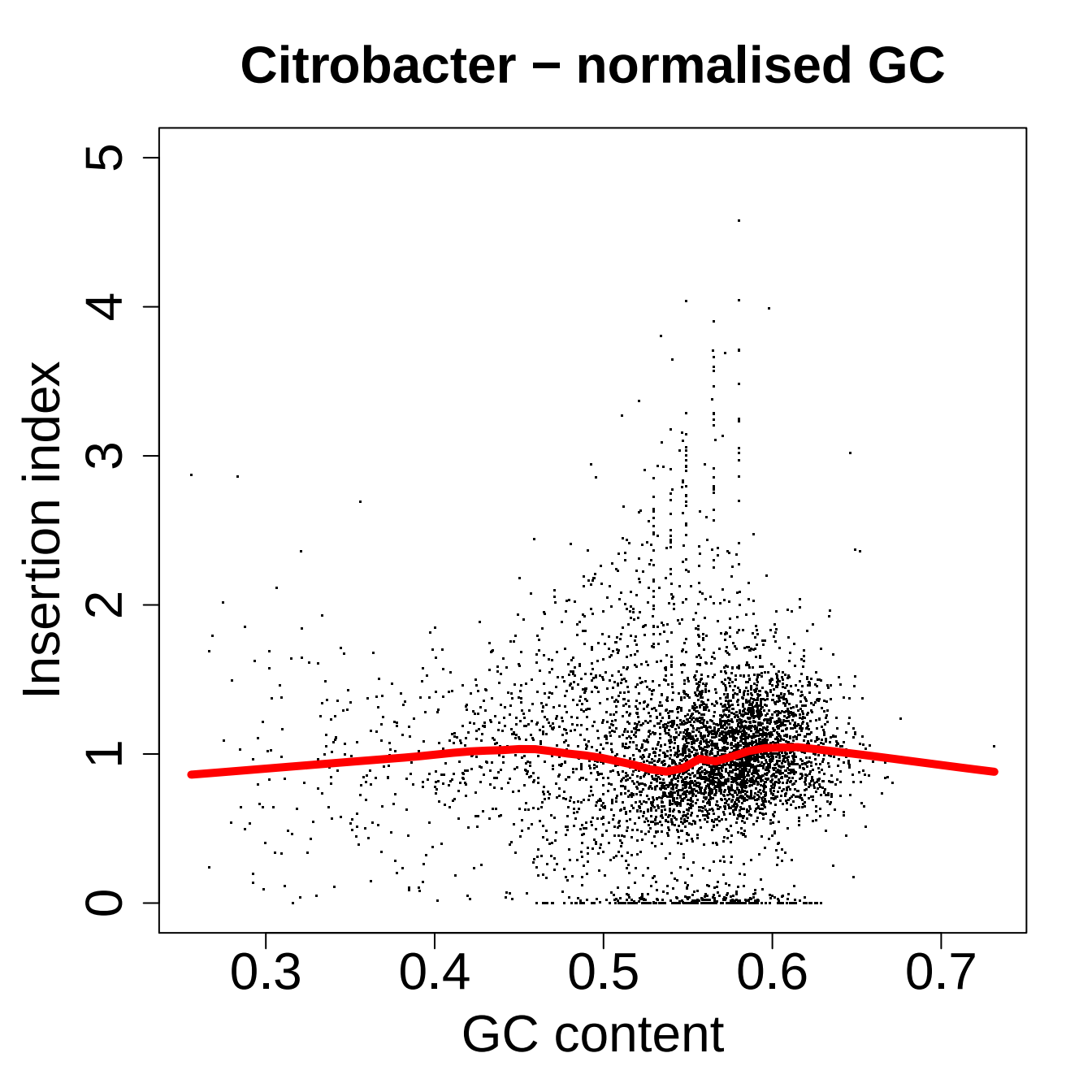

Distance bias – Citrobacter
2.0
1.5
1.0
0.5
0.0
Insertion index
Origin
Terminus
Origin
Gene position

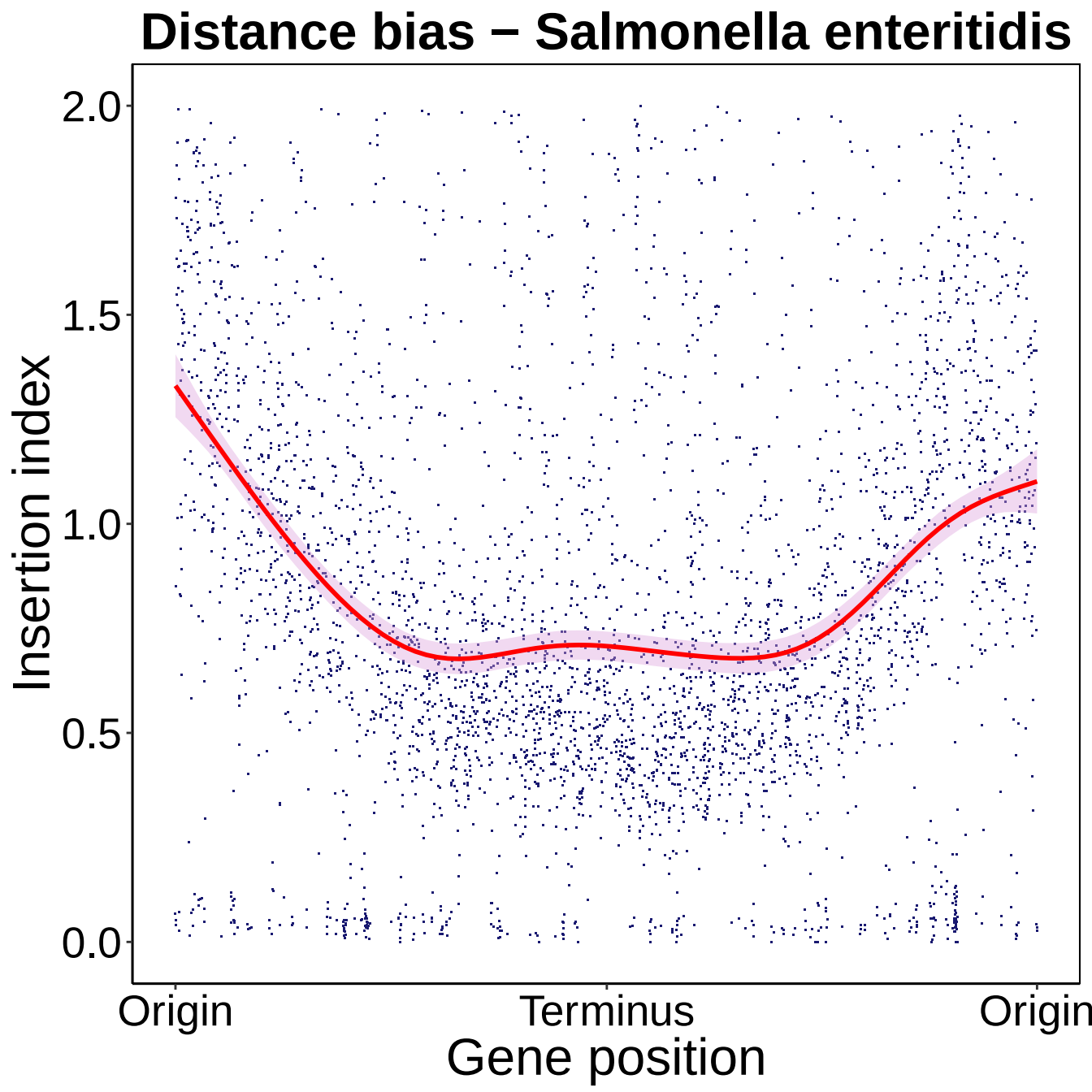

Distance bias − Citrobacter
Insertion index
0.0
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

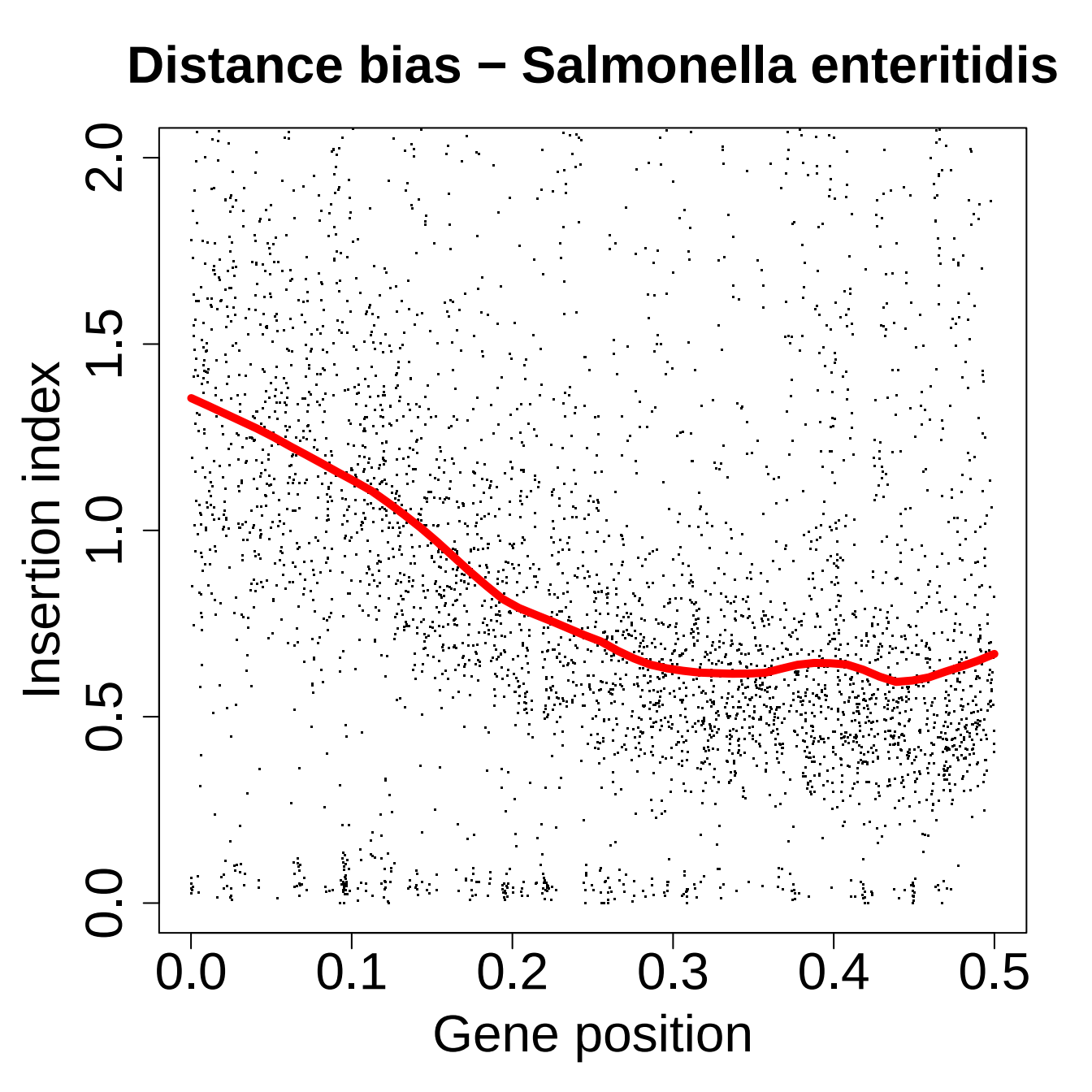

GC bias – Citrobacter
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content

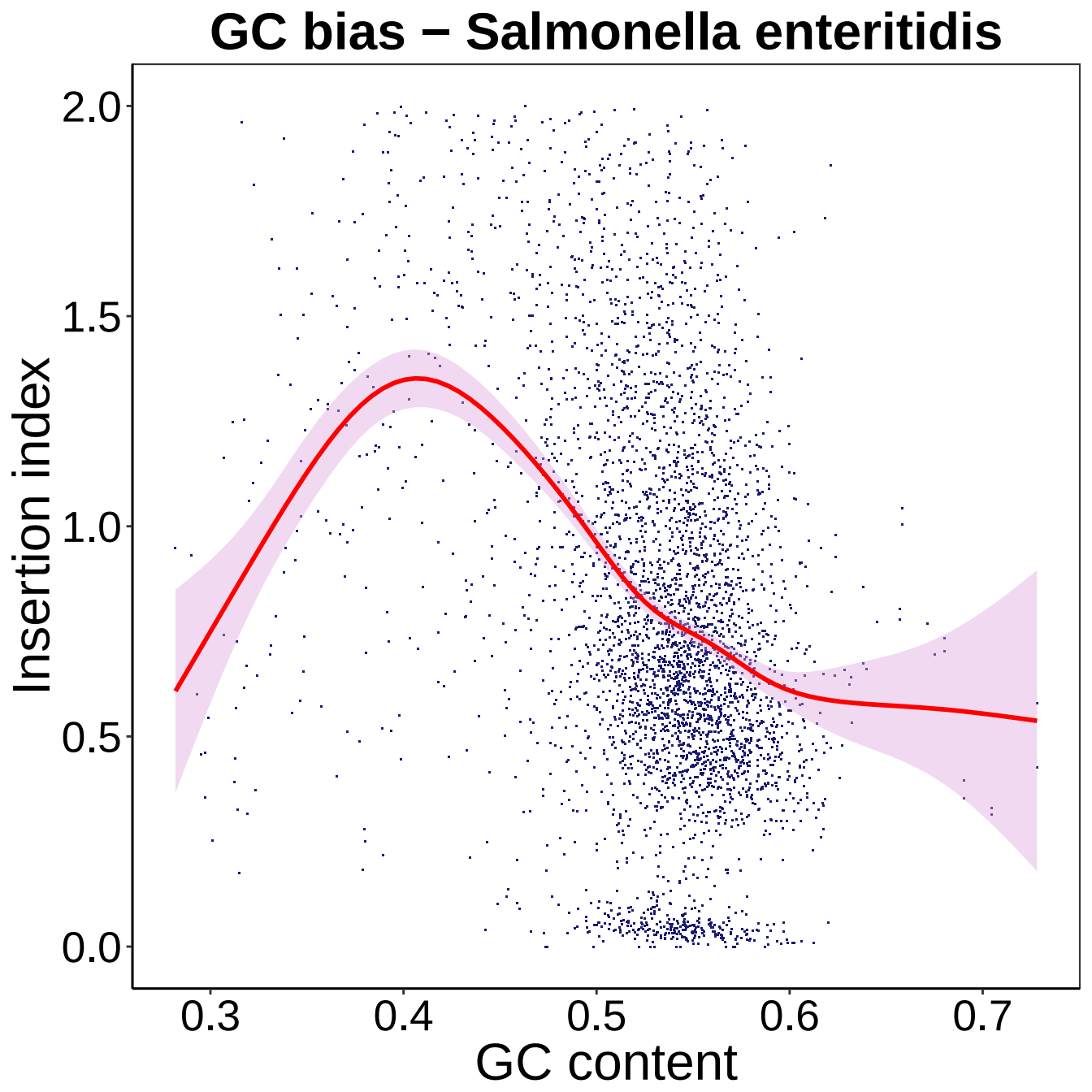

GC bias – Citrobacter
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content

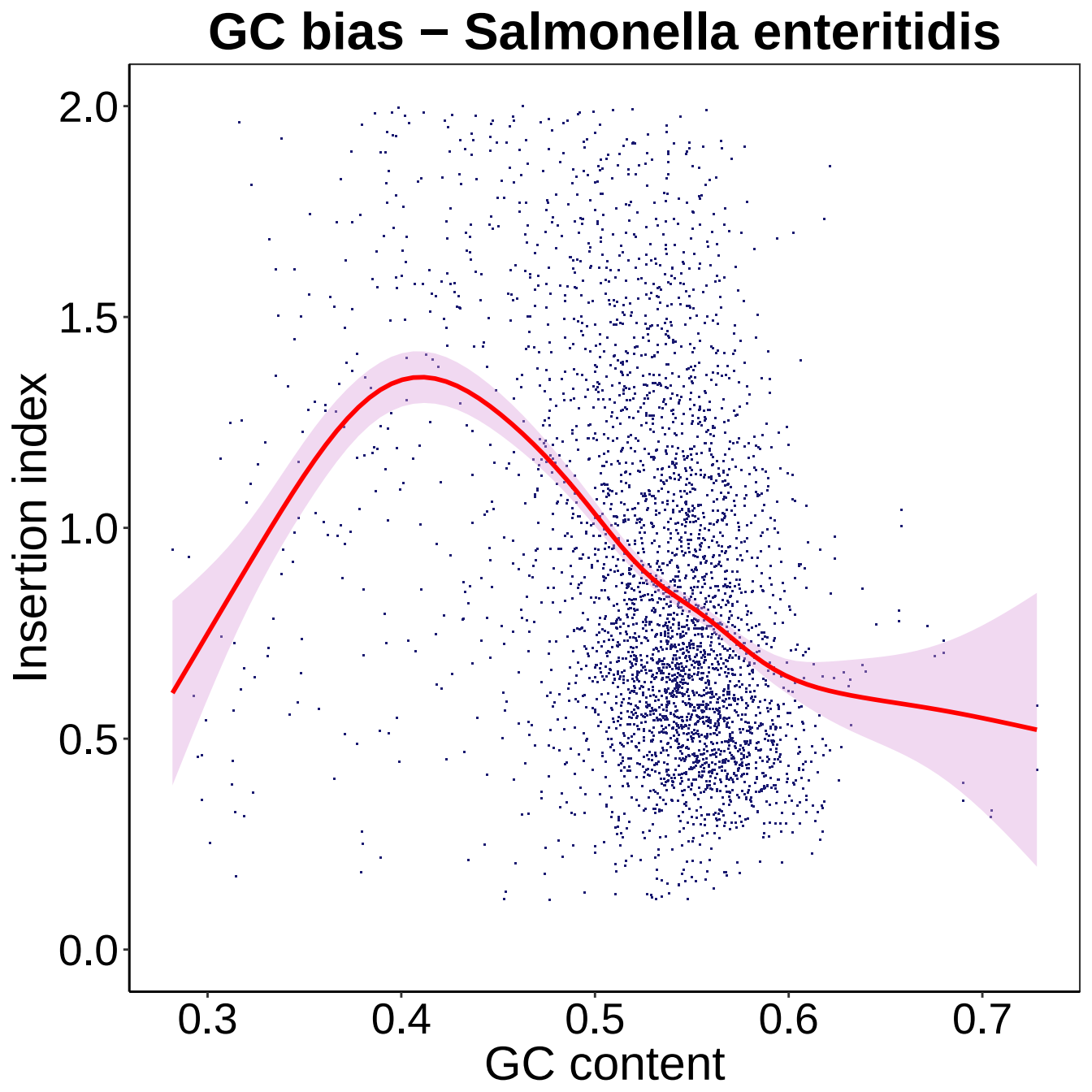

Citrobacter – normalised distance
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

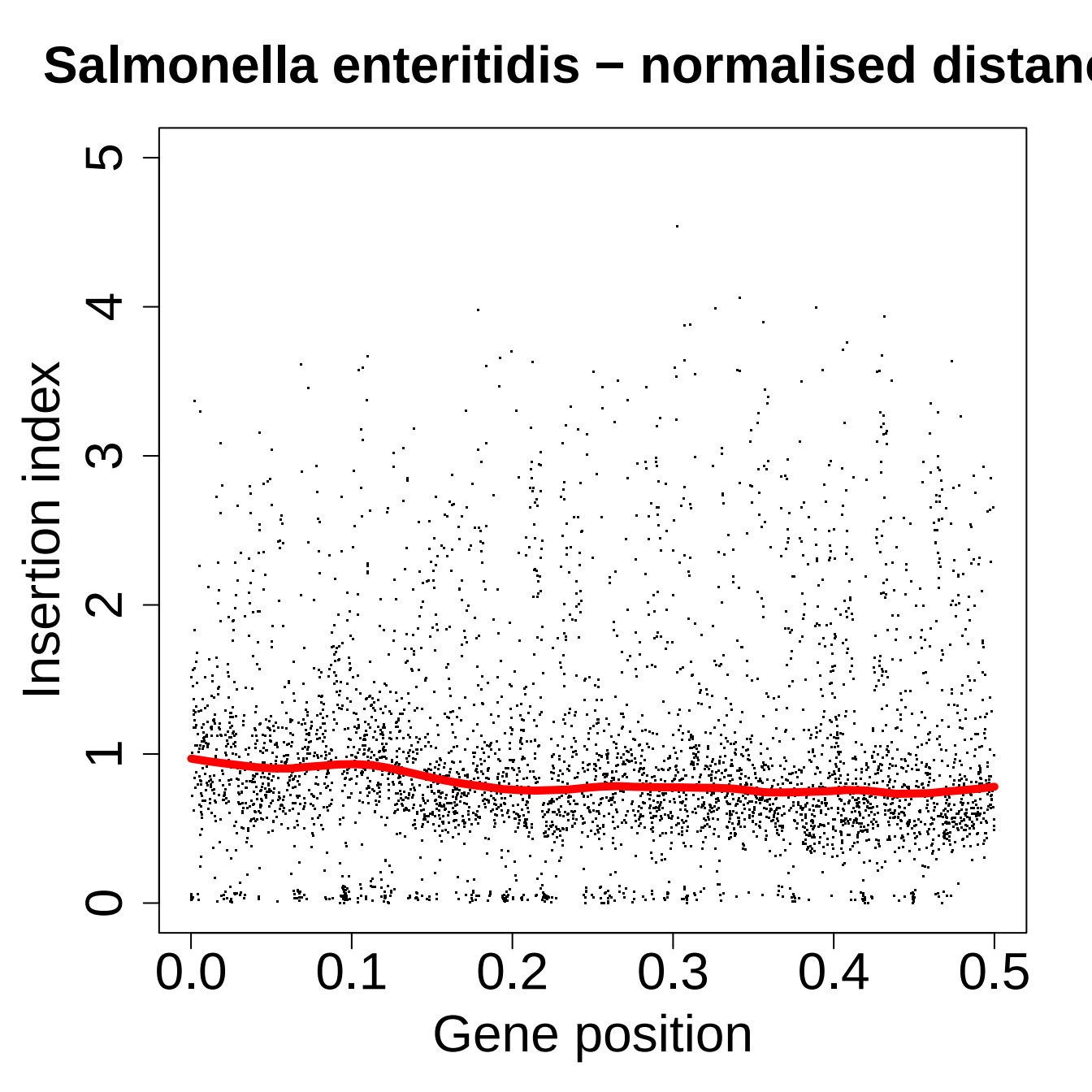

Citrobacter − normalised GC
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
0.7
GC content

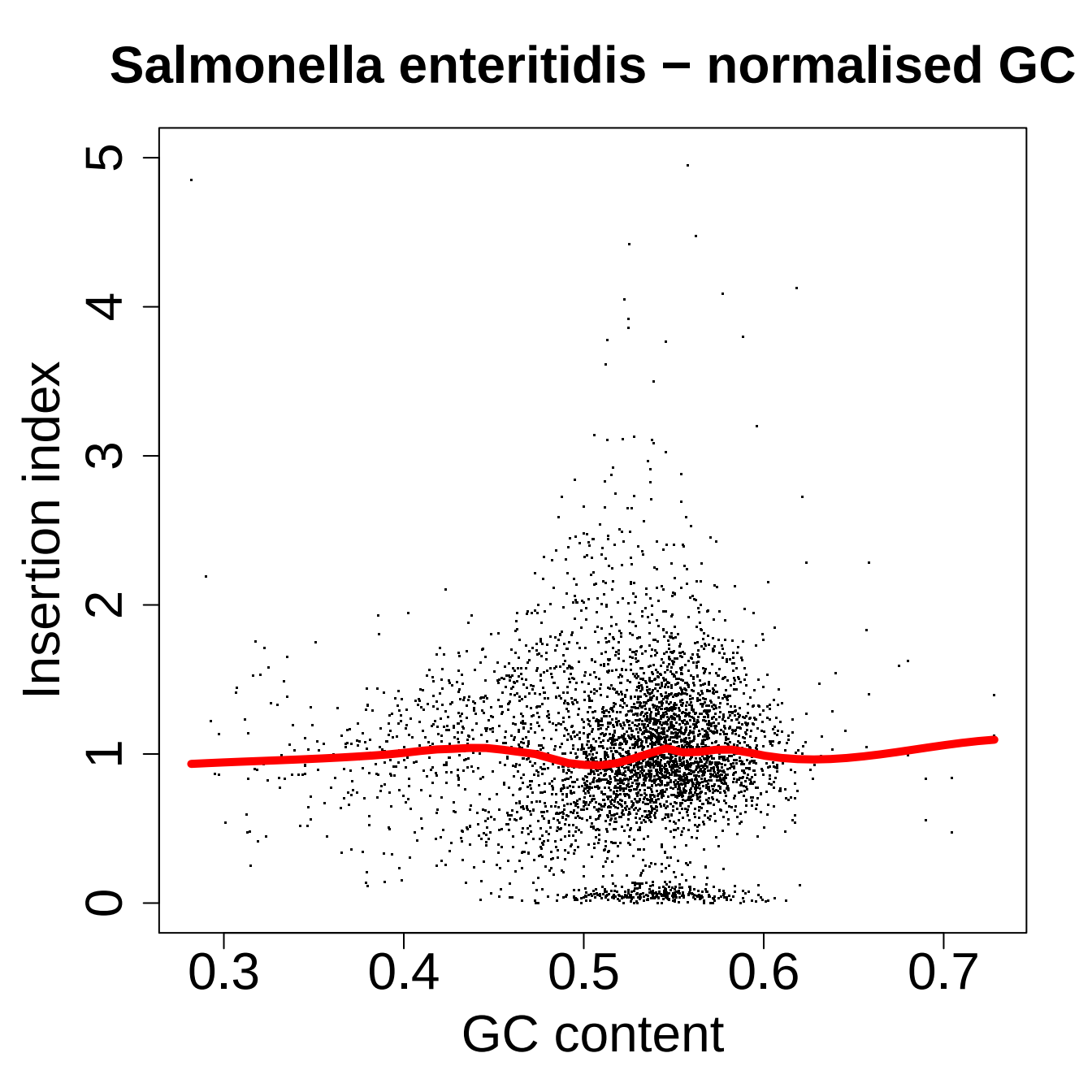

Distance bias – Salmonella enteritidis
Insertion index
2.0
1.5
1.0
0.5
0.0
Origin
Terminus
Origin
Gene position

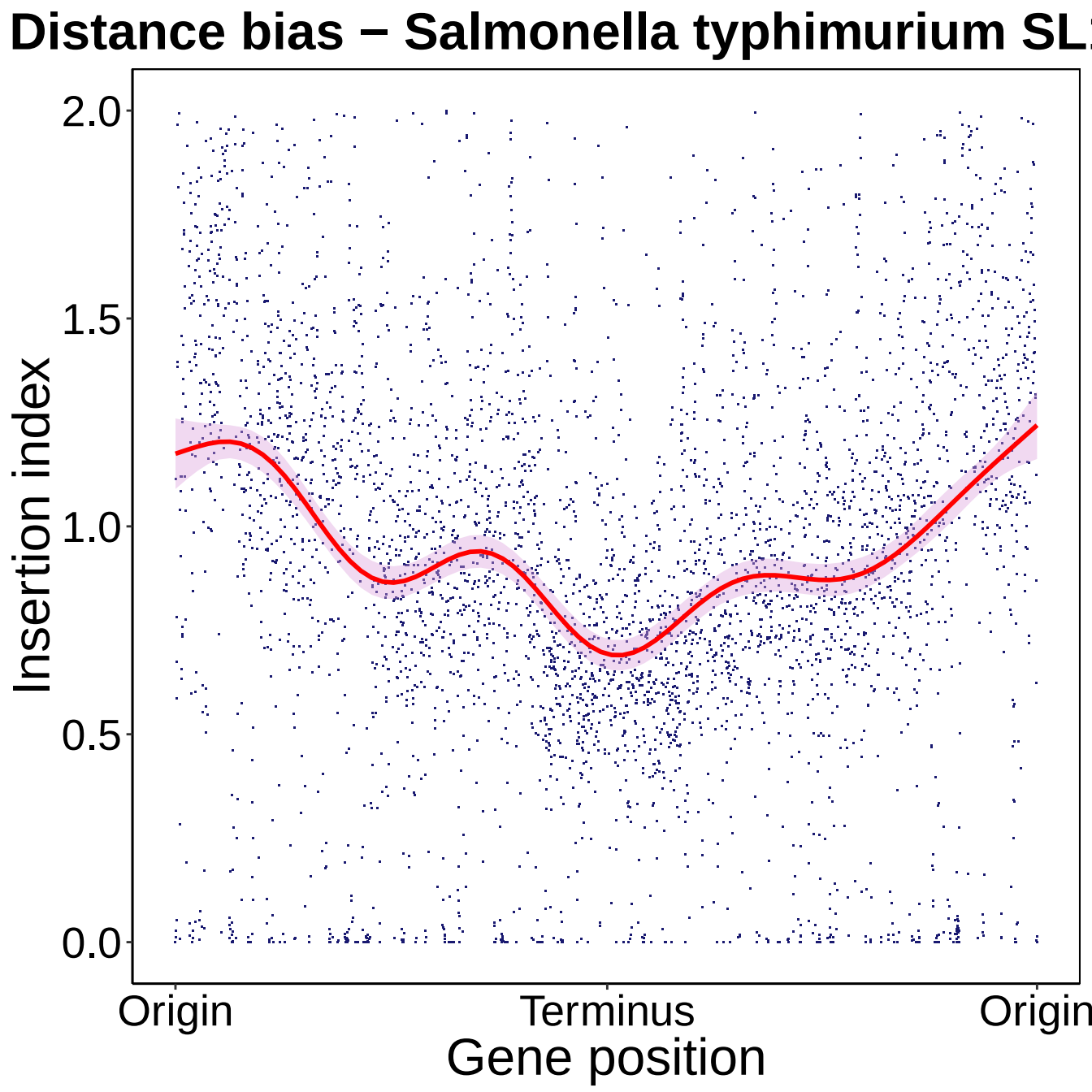

Distance bias − Salmonella enteritidis
Insertion index
0.0
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

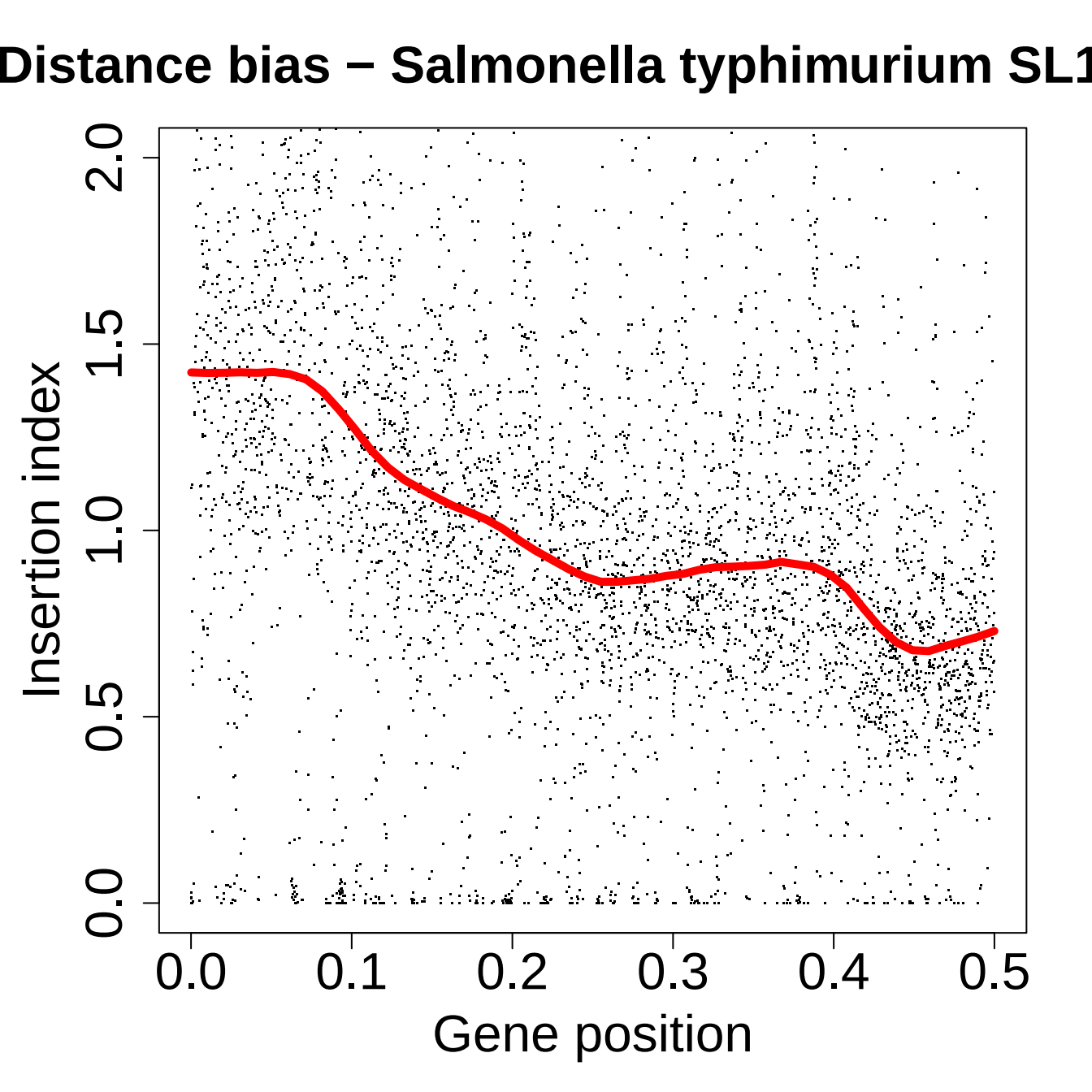

GC bias – Salmonella enteritidis
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content

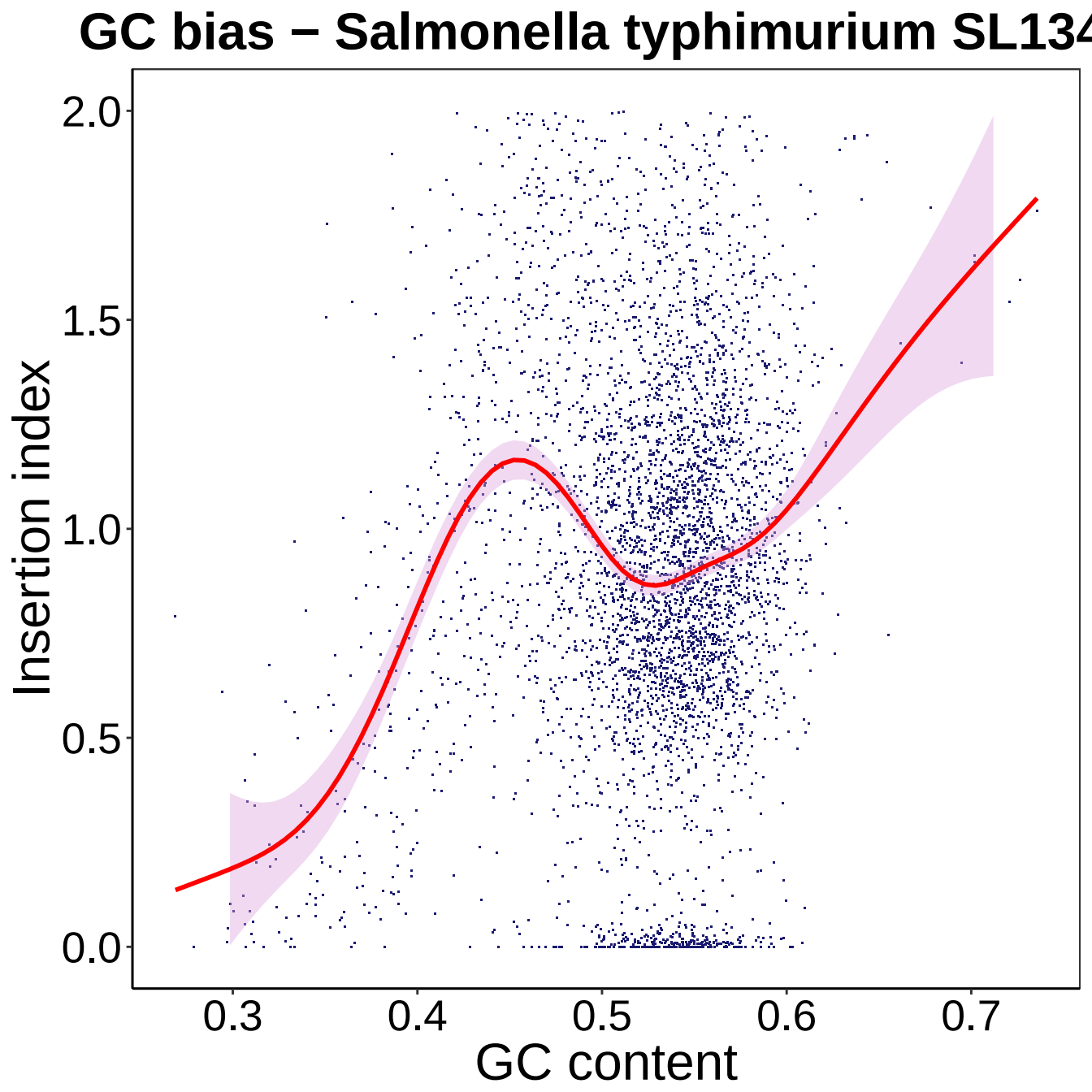

GC bias – Salmonella enteritidis
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content

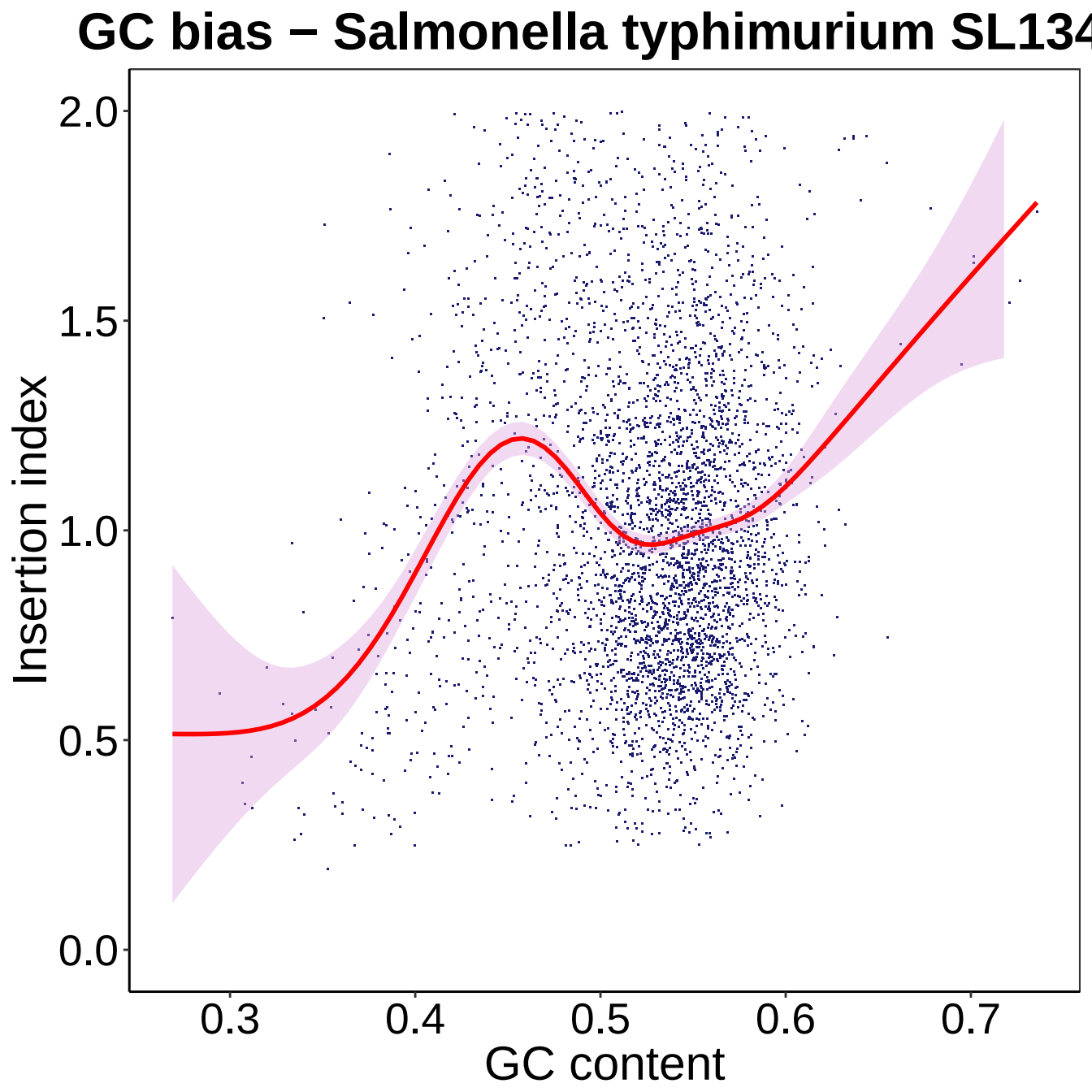

Salmonella enteritidis − normalised distanc
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

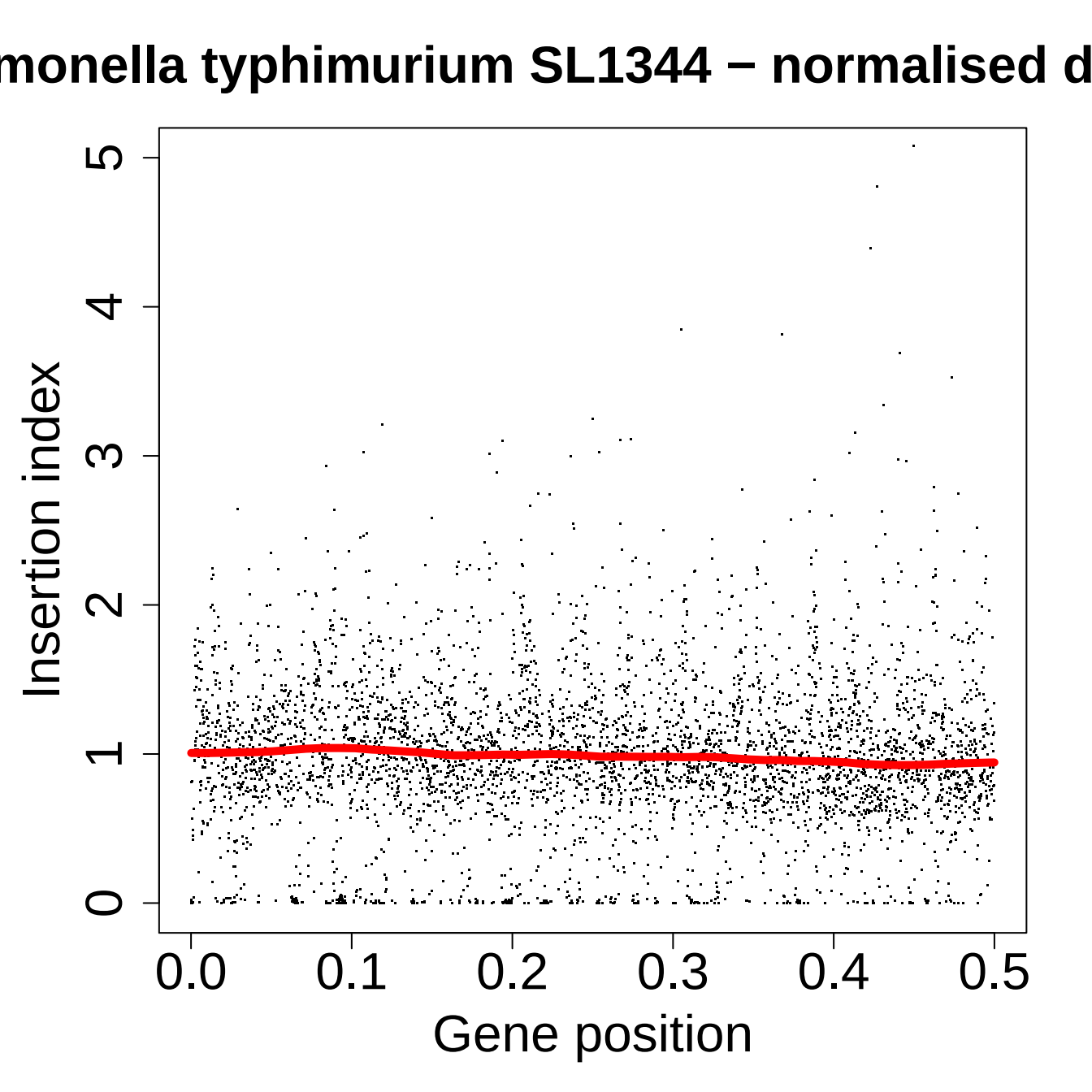

Salmonella enteritidis − normalised GC
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
0.7
GC content

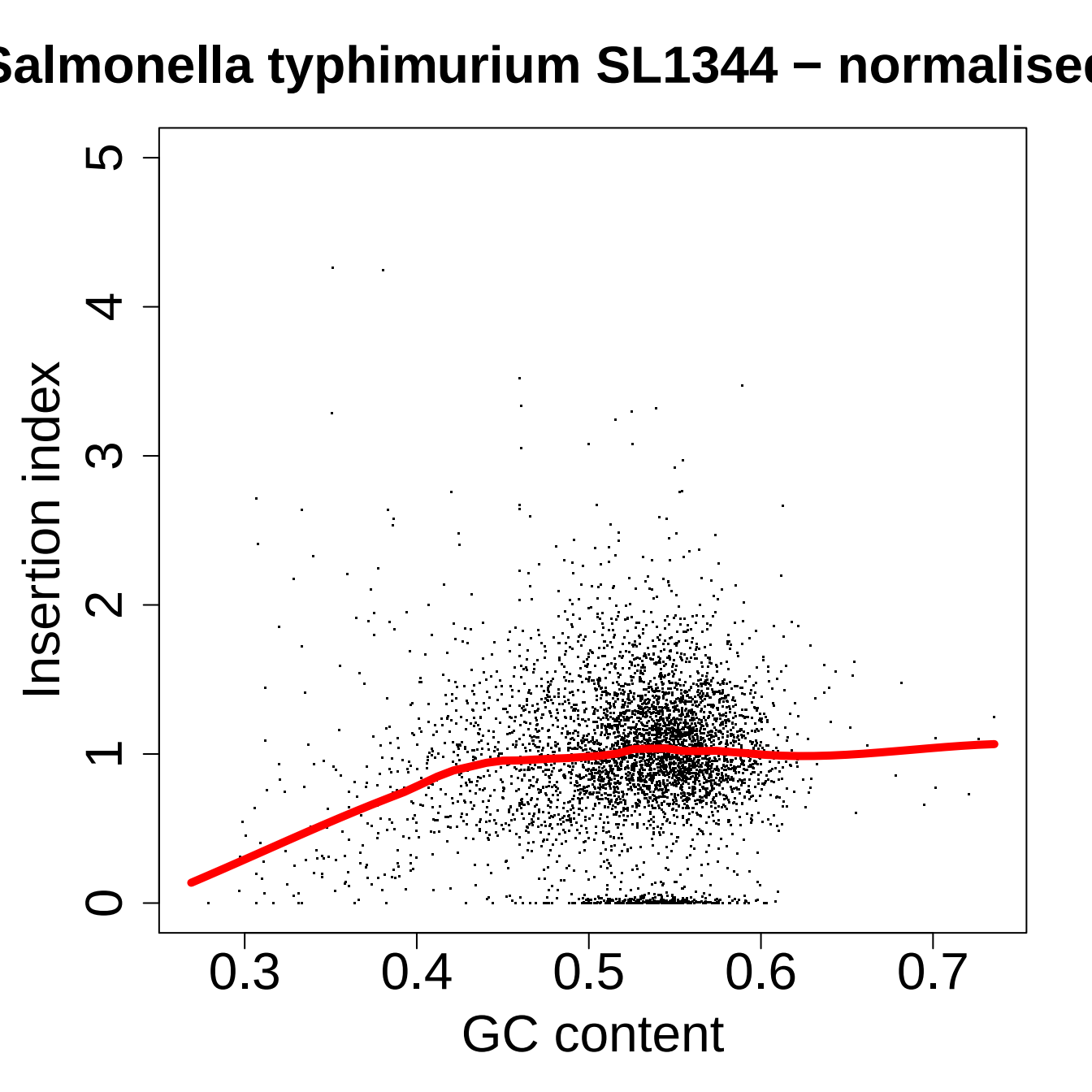

Distance bias – Salmonella typhimurium SL
2.0
1.5
1.0
0.5
0.0
Insertion index
Origin
Terminus
Origin
Gene position

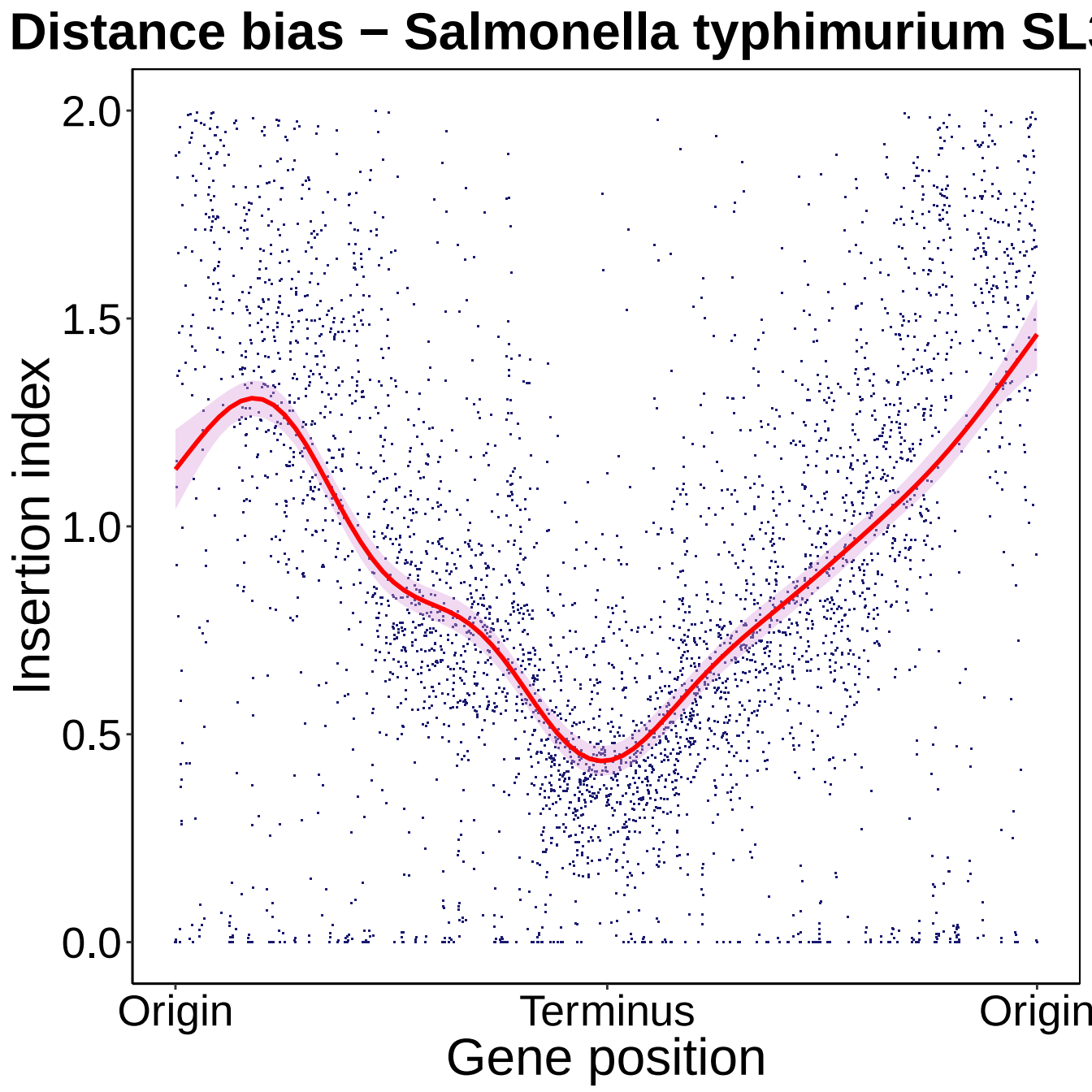

Distance bias − Salmonella typhimurium SL1
Insertion index
0.0
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

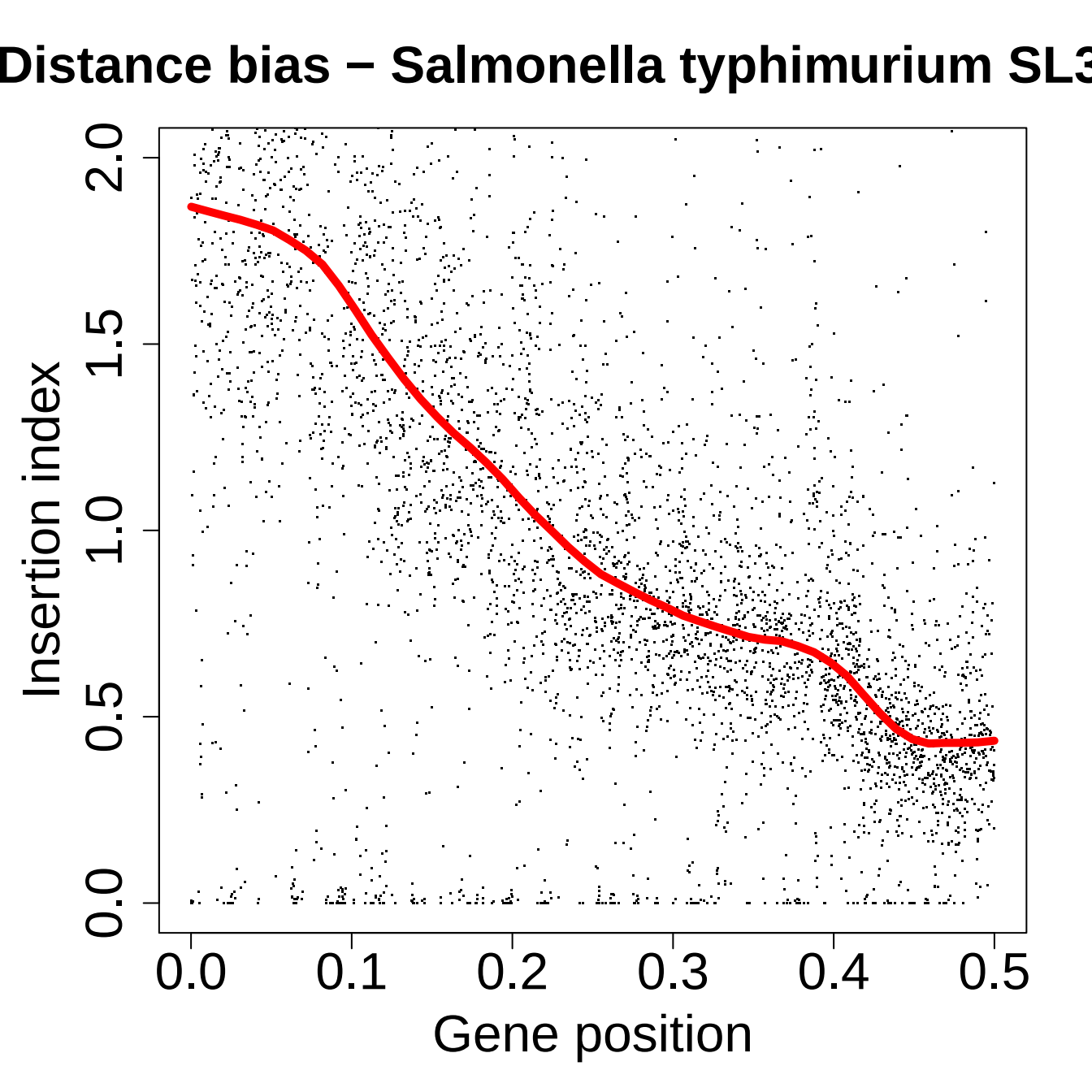

GC bias – Salmonella typhimurium SL134
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content

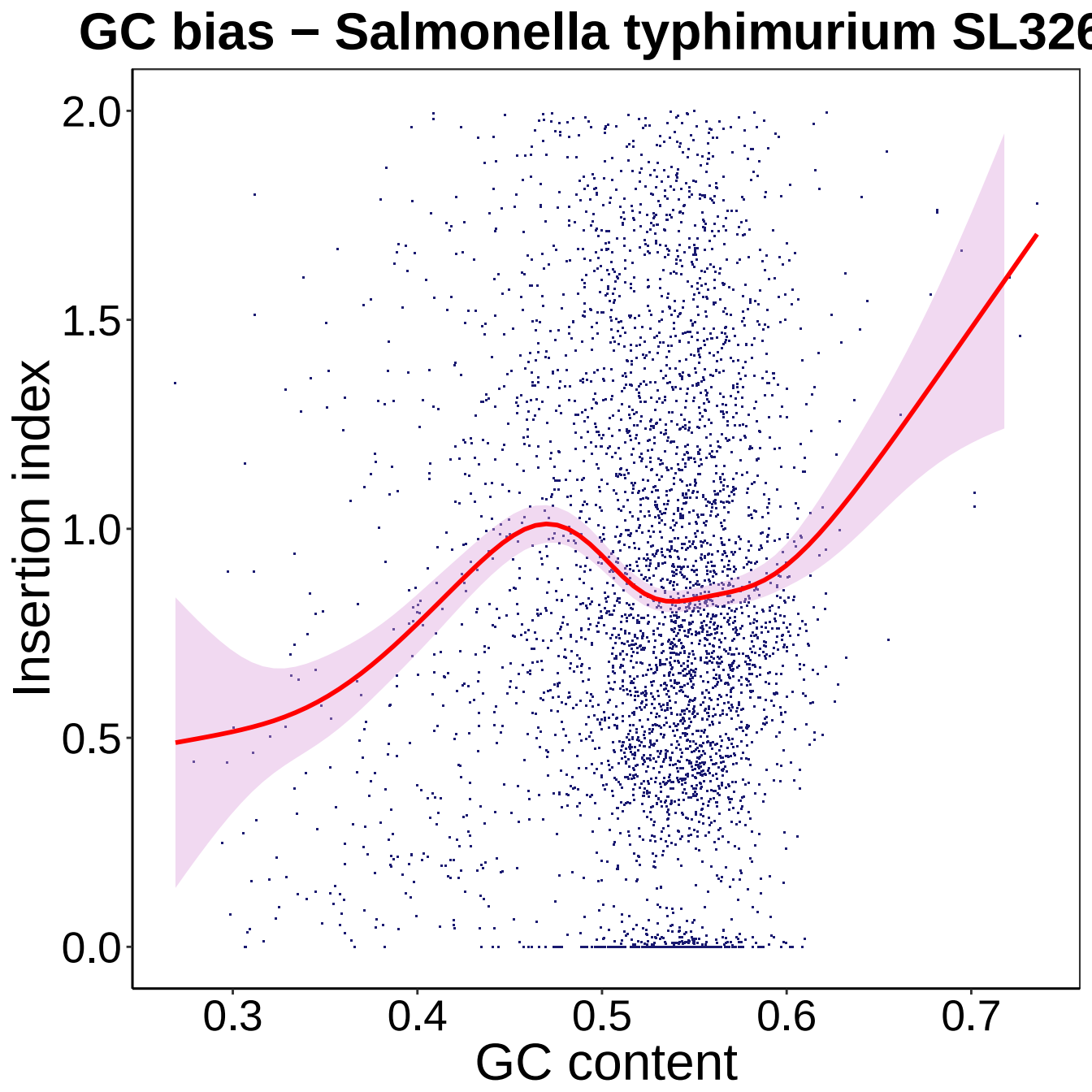

GC bias − Salmonella typhimurium SL134
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content

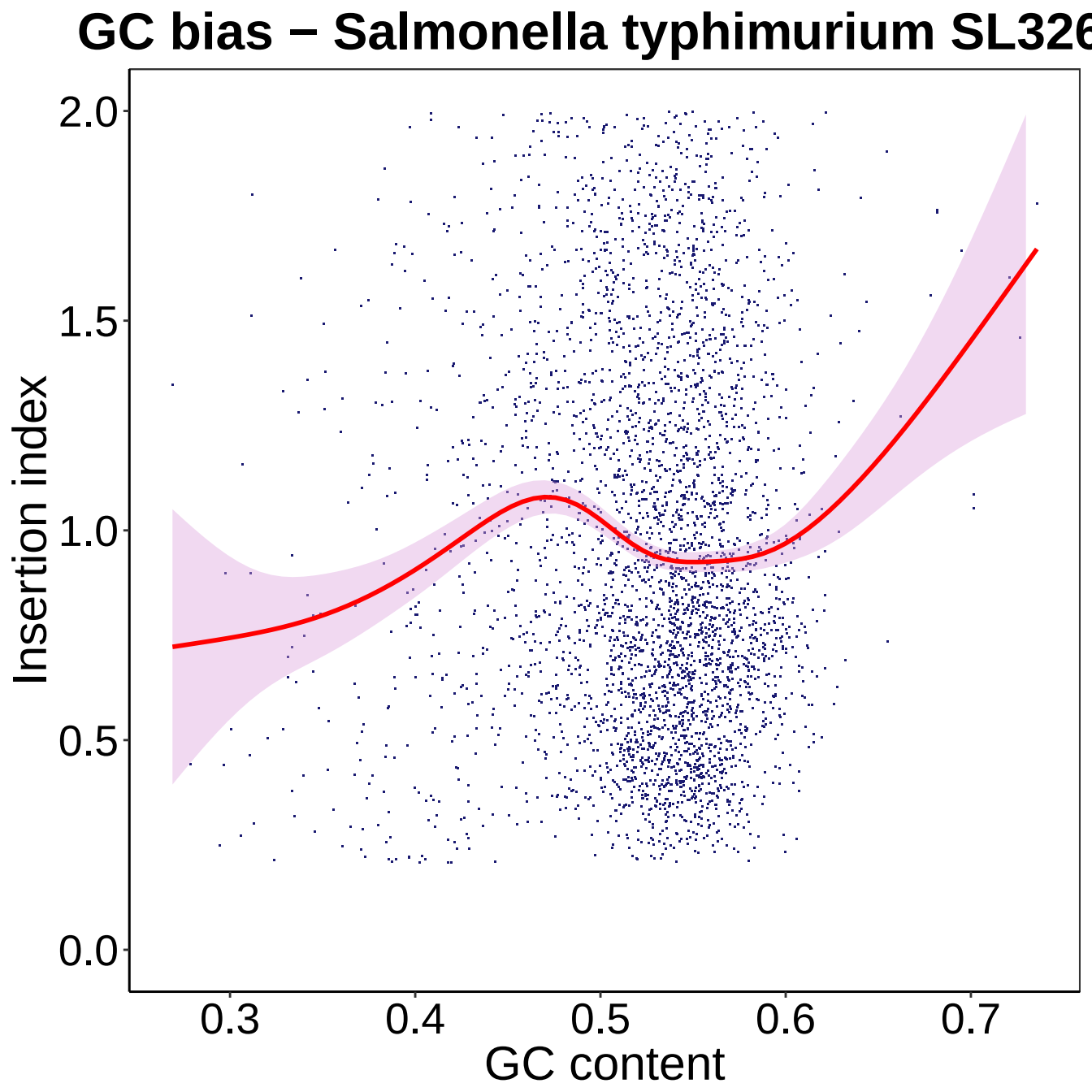

monella typhimurium SL1344 – normalised d
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

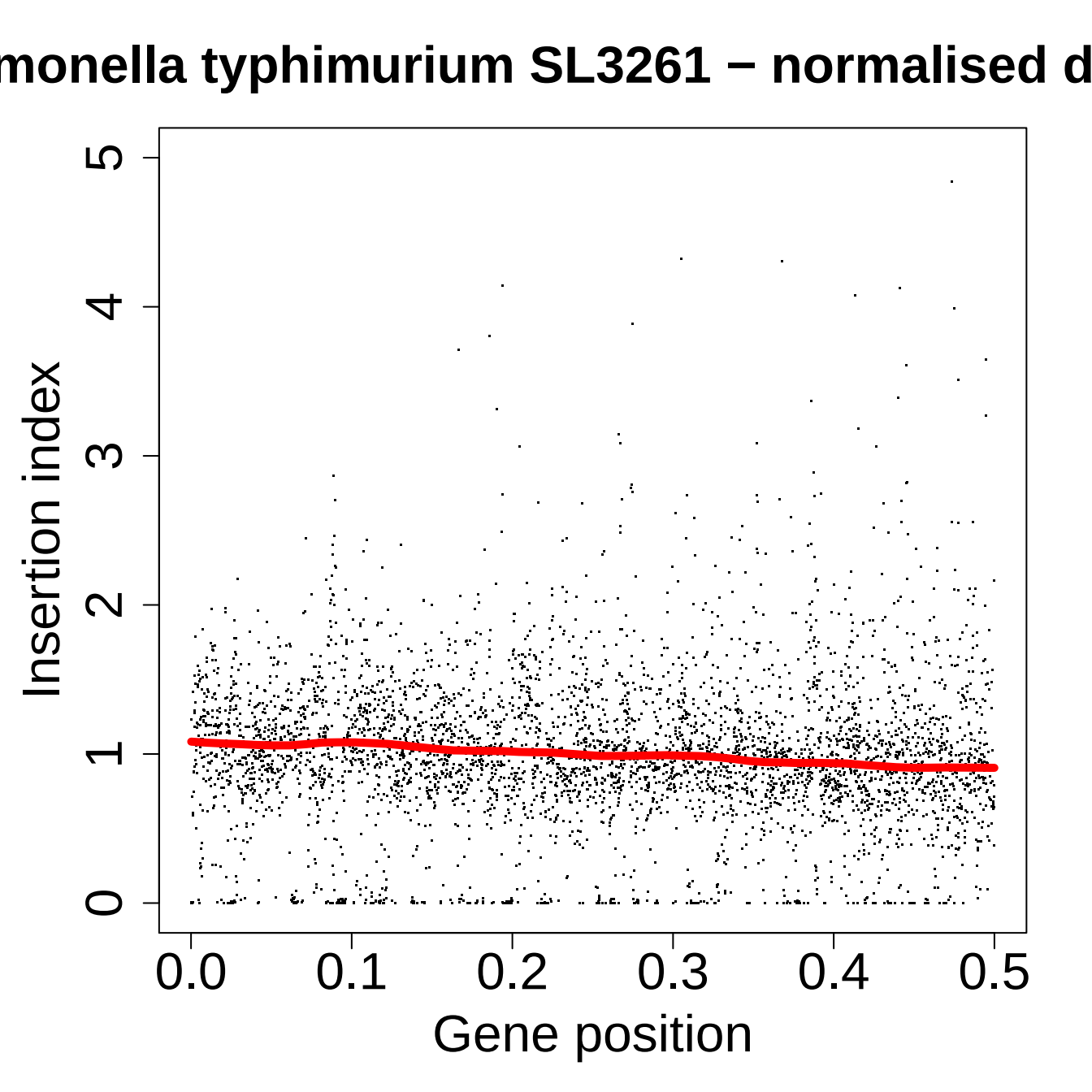

Salmonella typhimurium SL1344 – normalised
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
0.7
GC content

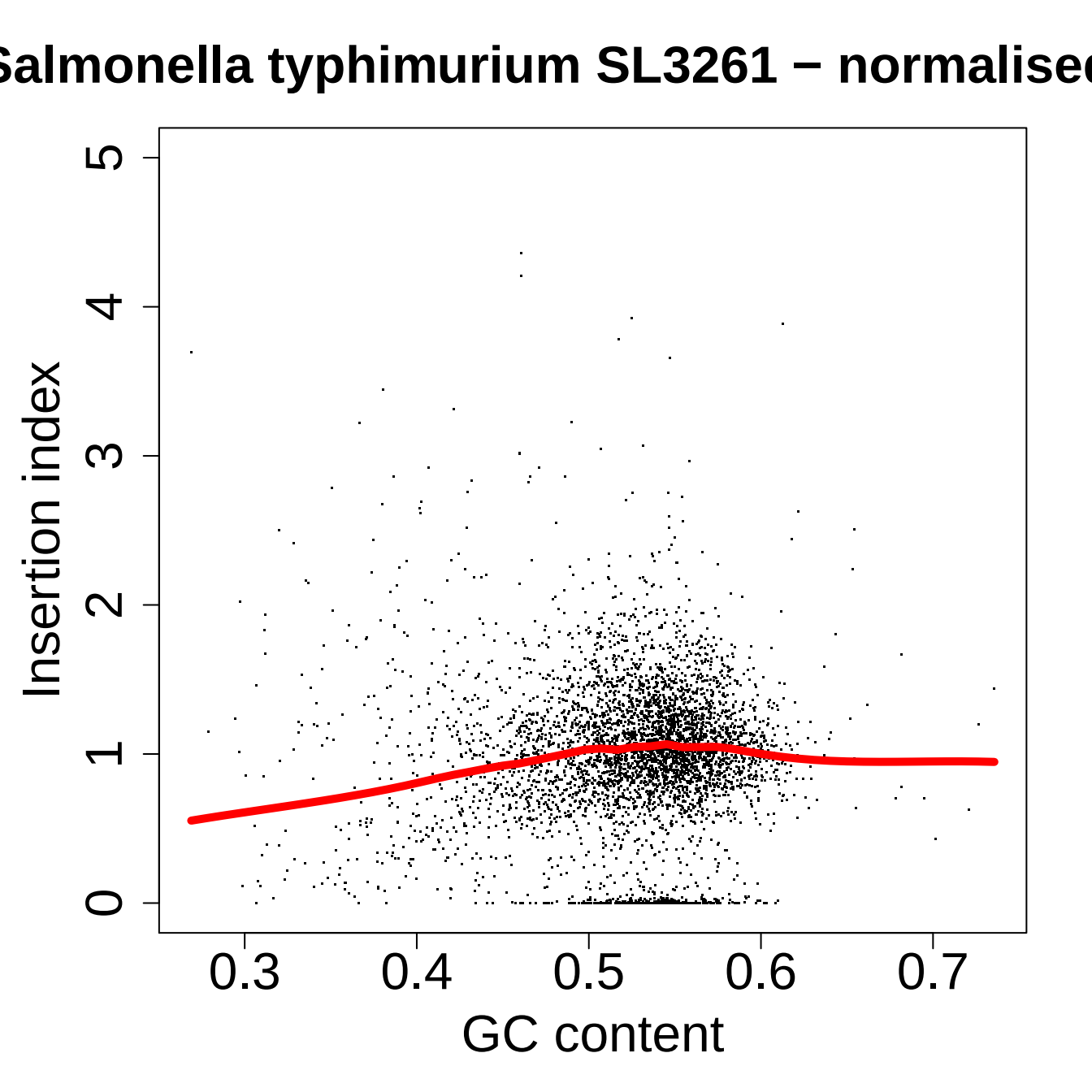

Distance bias – Salmonella typhimurium SL
2.0
1.5
1.0
0.5
0.0
Insertion index
Origin
Terminus
Origin
Gene position

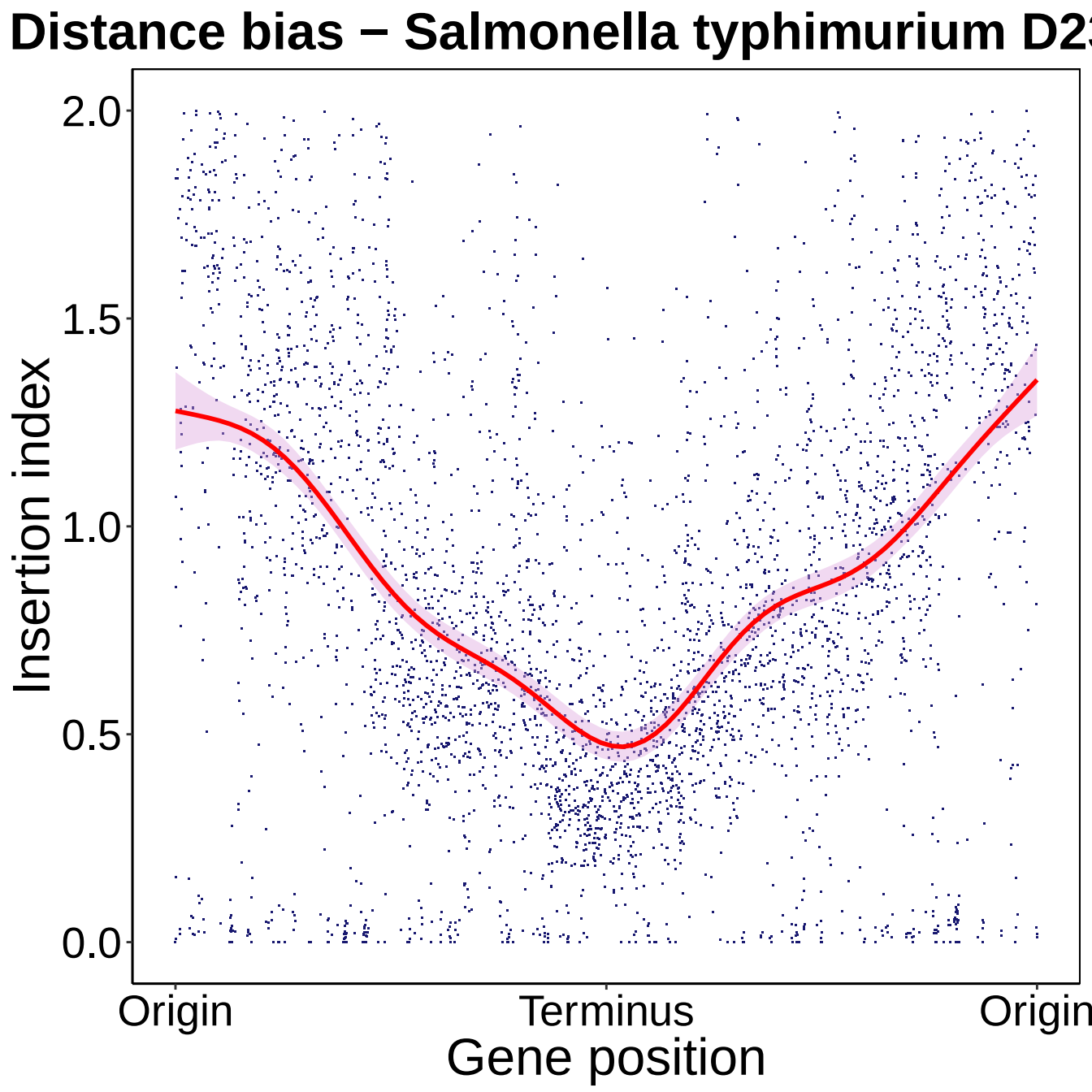

Distance bias − Salmonella typhimurium SL3
Insertion index
0.0
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

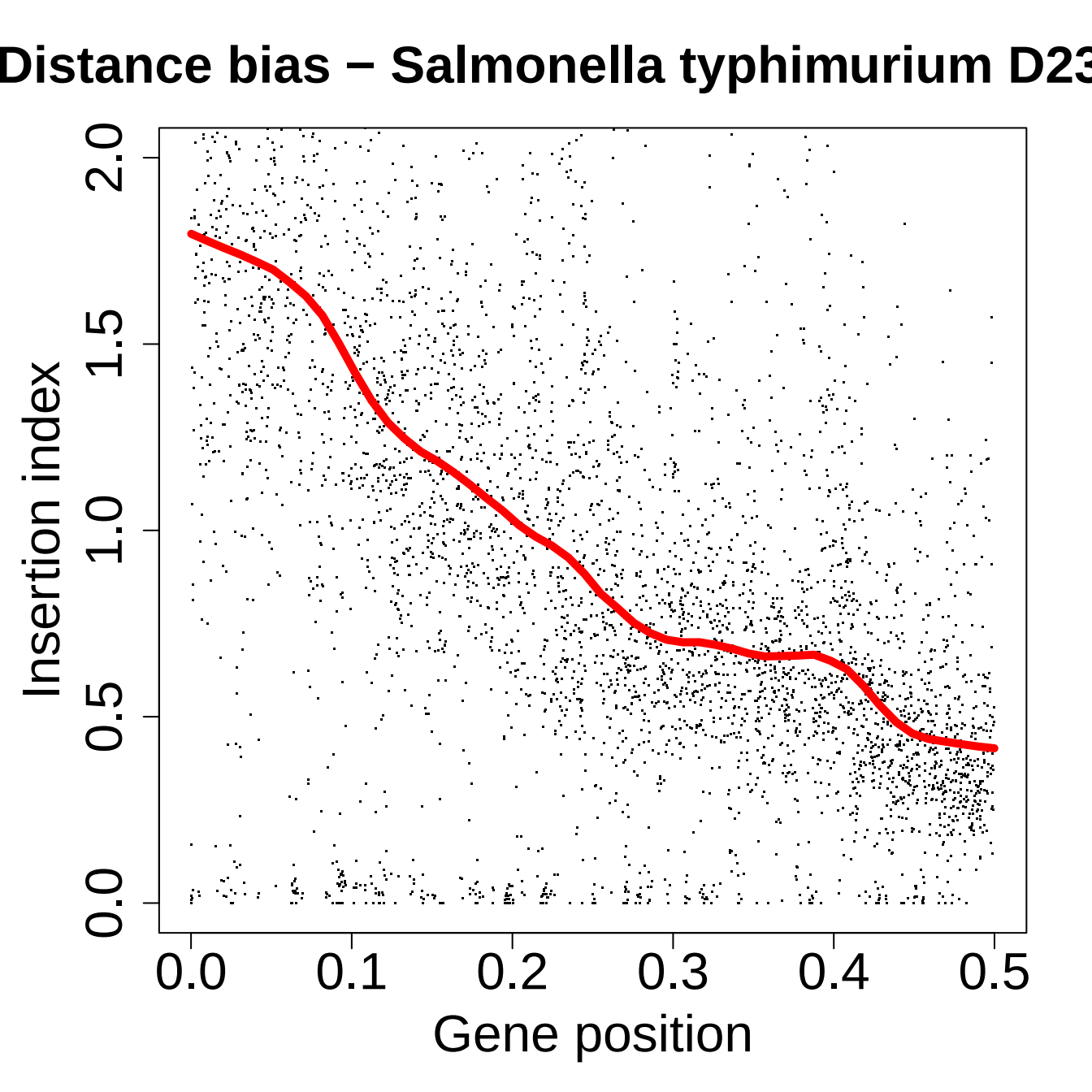

GC bias − Salmonella typhimurium SL326
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content

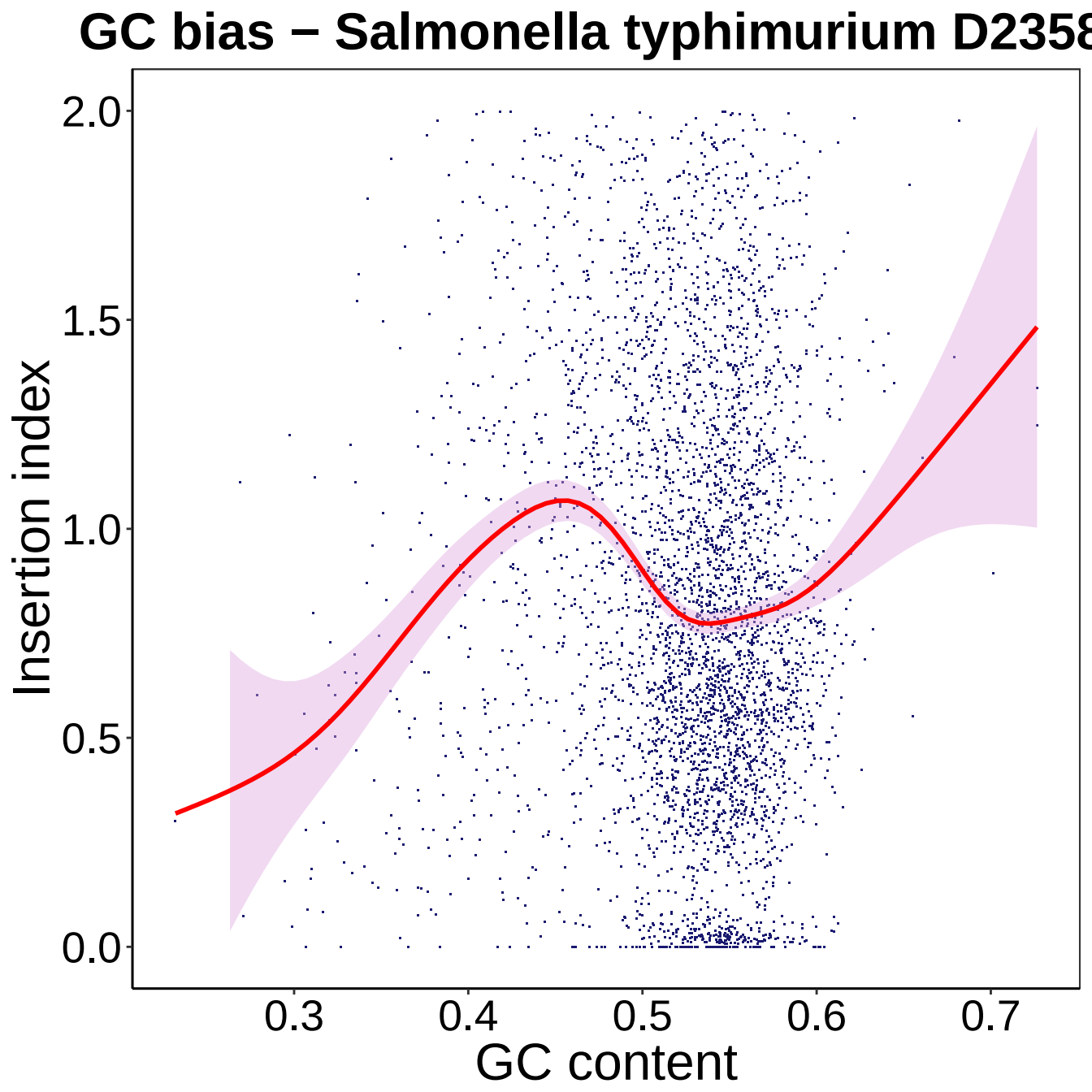

GC bias − Salmonella typhimurium SL326
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content

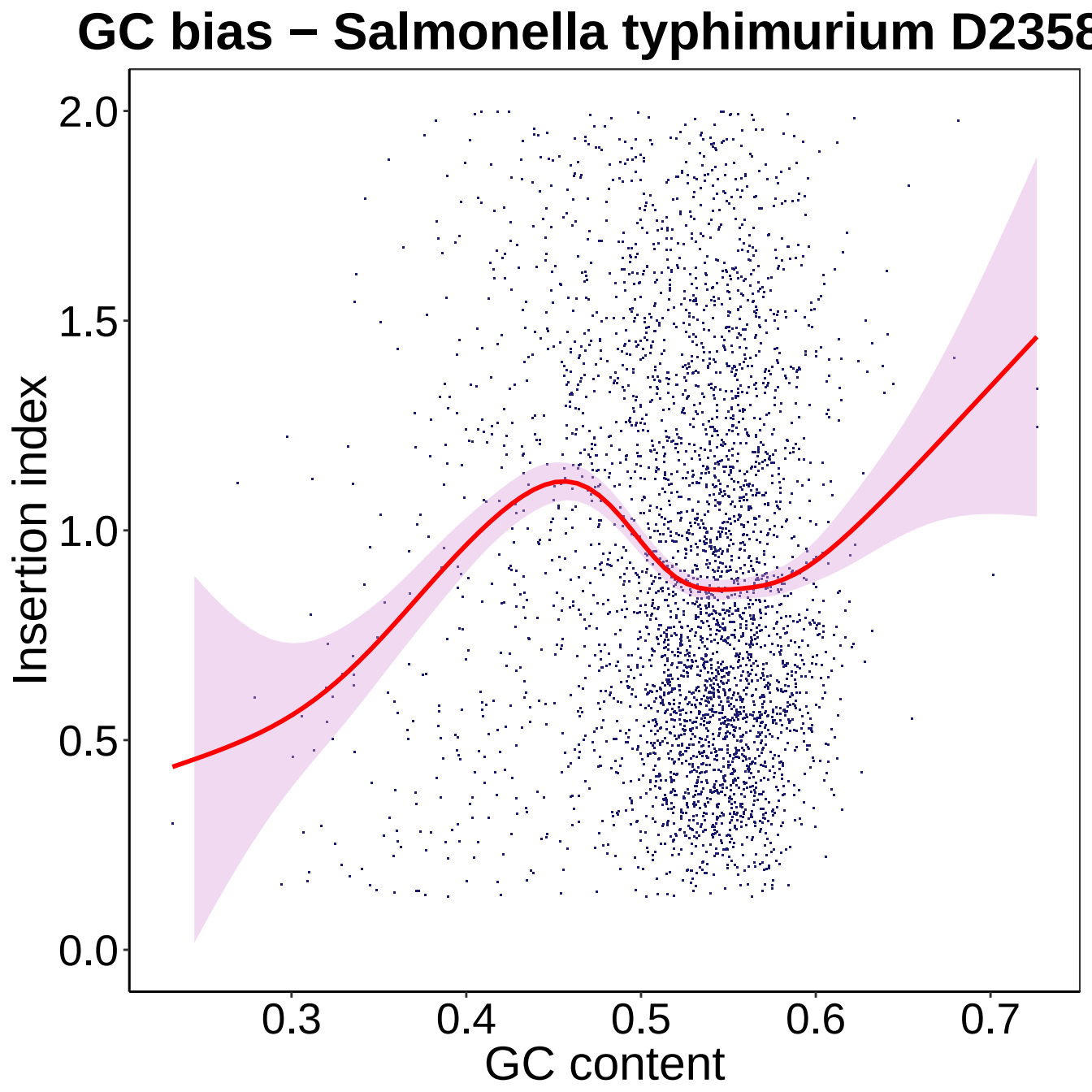

monella typhimurium SL3261 − normalised d
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

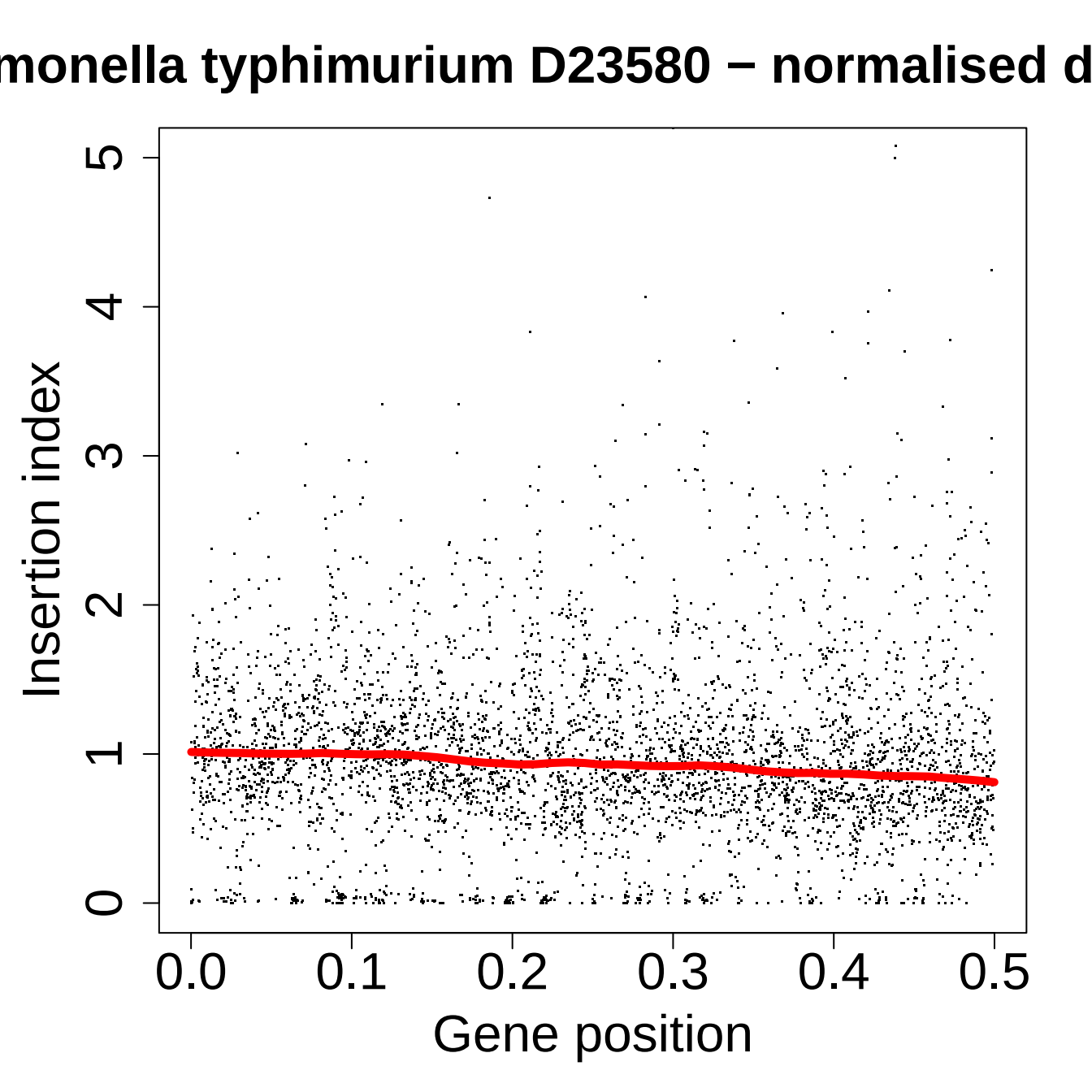

Salmonella typhimurium SL3261 − normalised
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
0.7
GC content

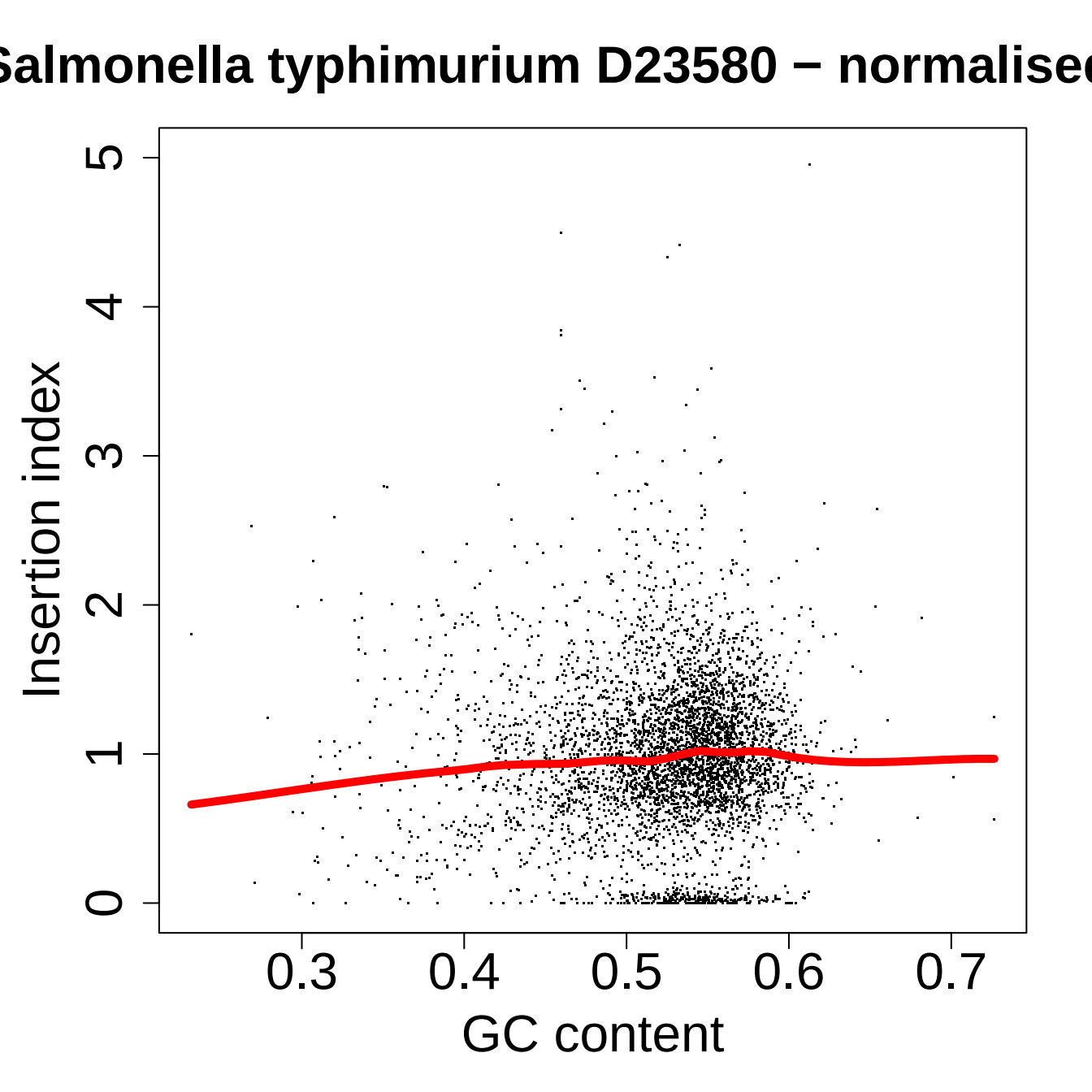

Distance bias – Salmonella typhimurium D23
2.0
1.5
1.0
0.5
0.0
Insertion index
Origin
Terminus
Origin
Gene position

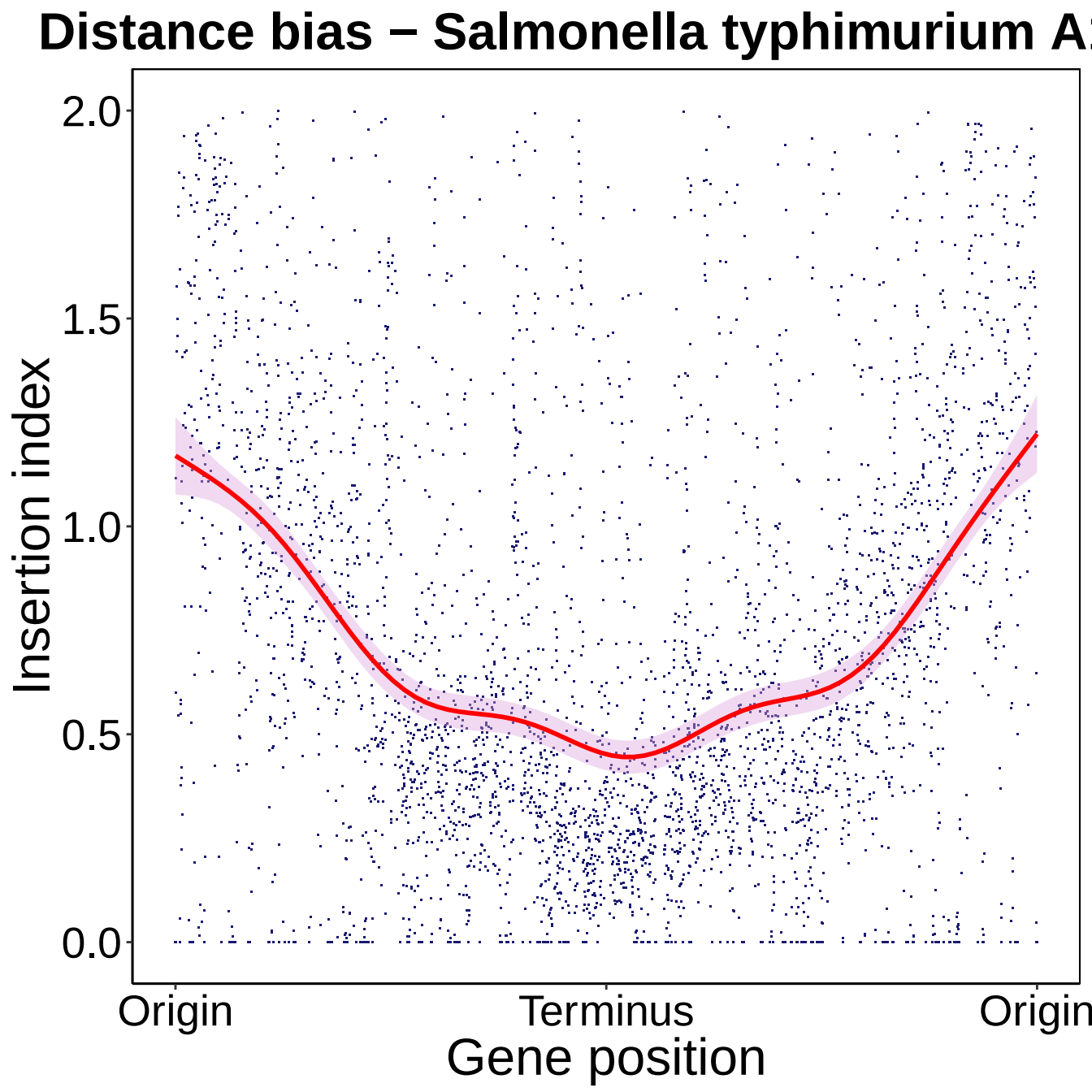

Distance bias − Salmonella typhimurium D23
Insertion index
0.0
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

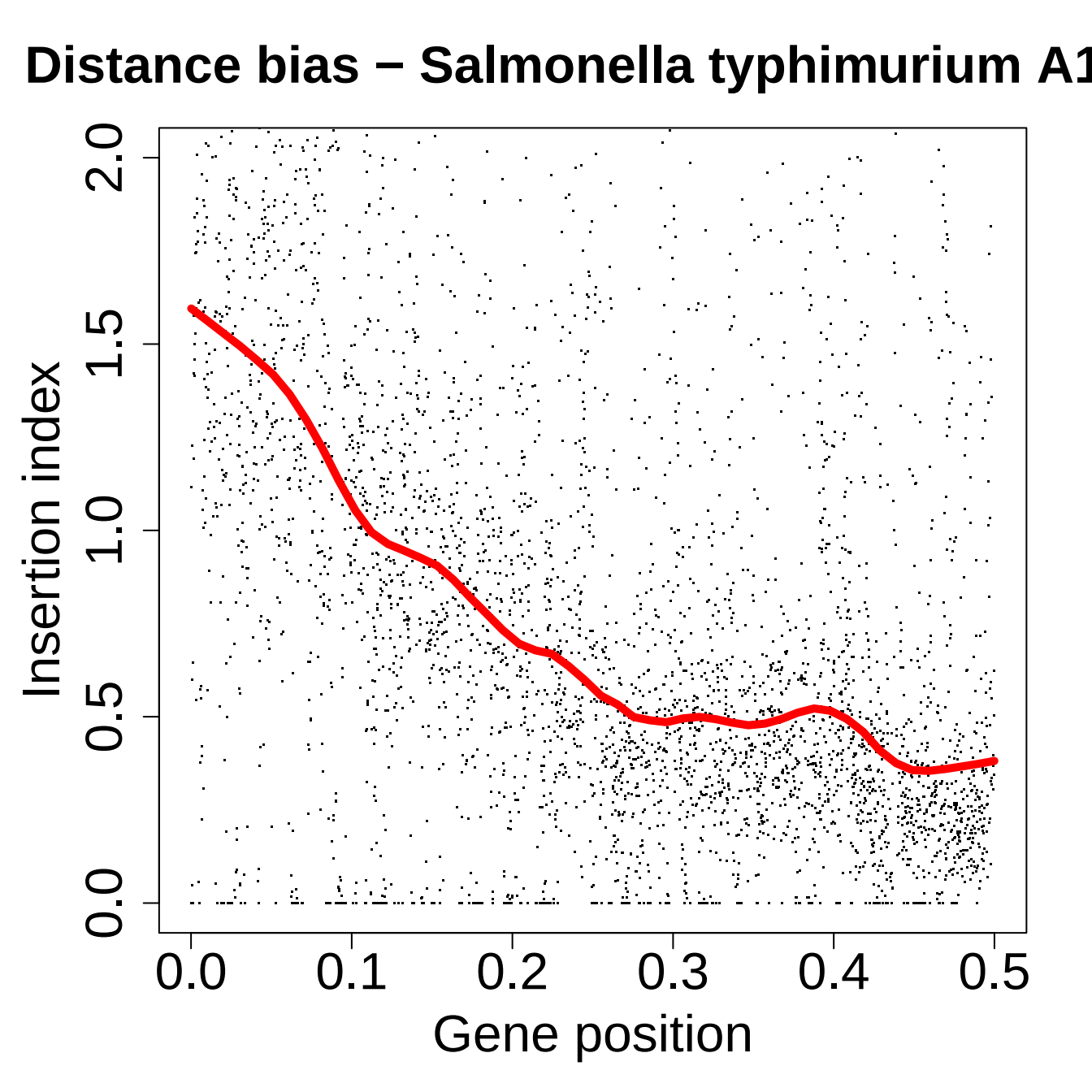

GC bias – Salmonella typhimurium D2358
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content

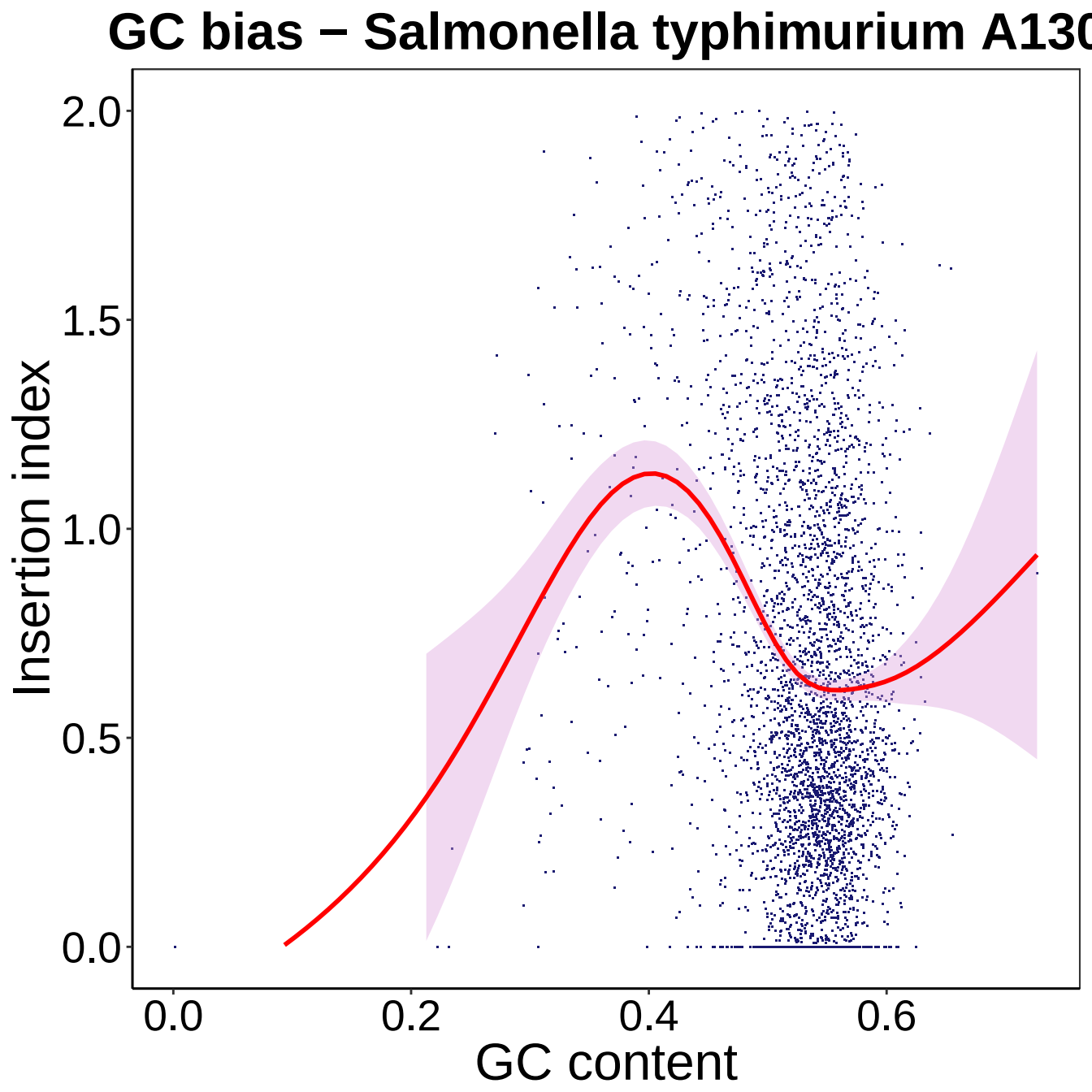

GC bias − Salmonella typhimurium D2358
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content

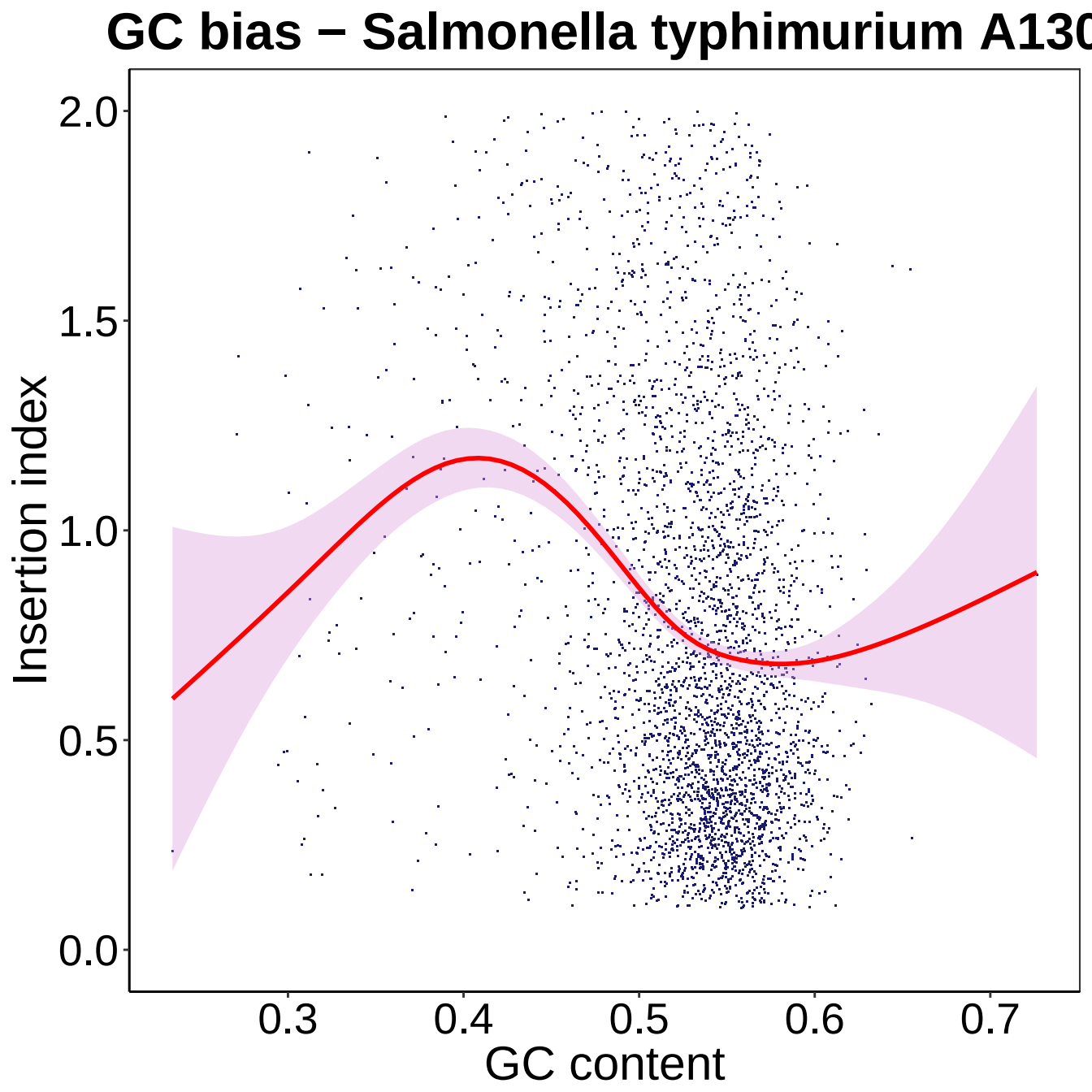

monella typhimurium D23580 – normalised d
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

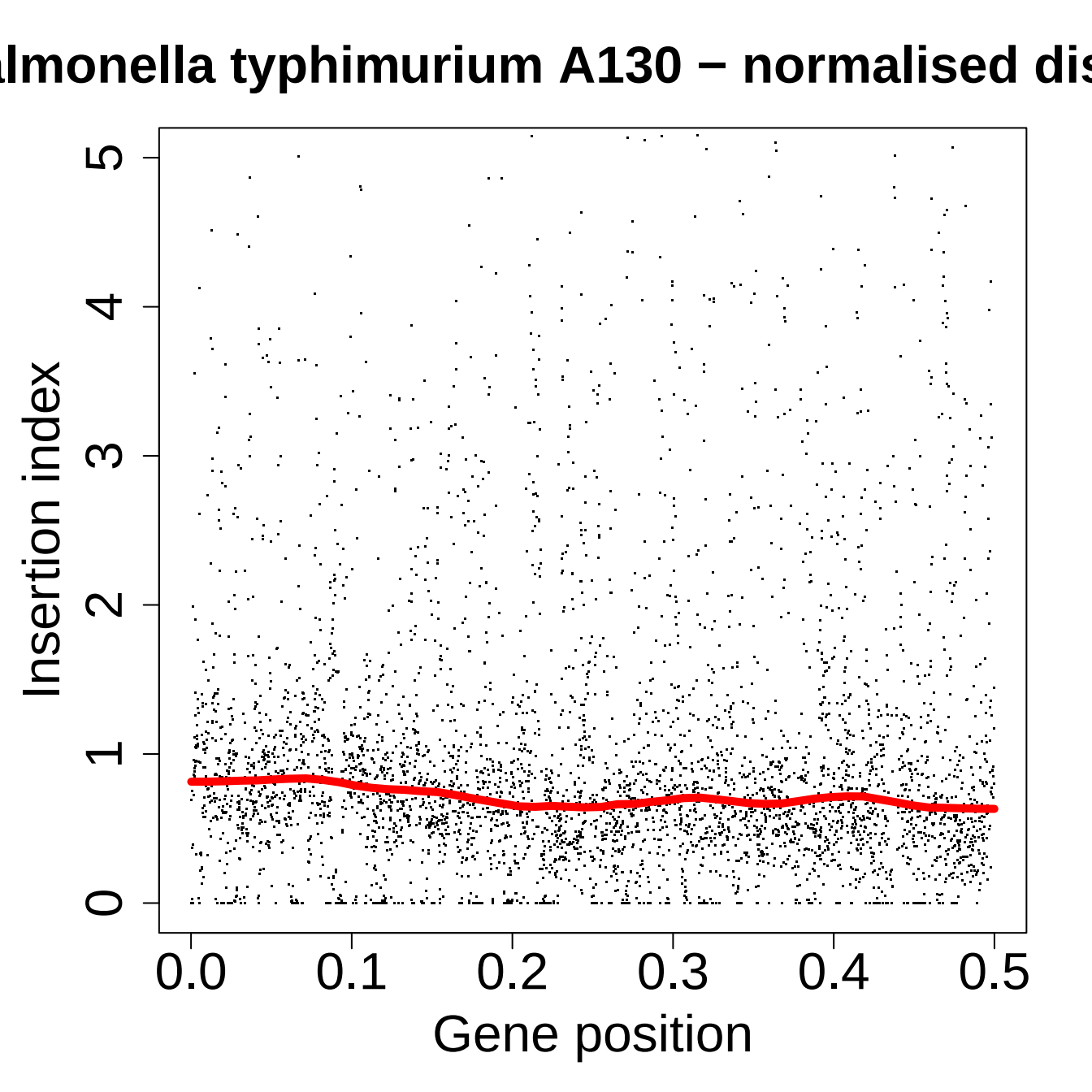

Salmonella typhimurium D23580 – normalised
Insertion index
0
1
2
3
4
5
0.3
0.4
0.5
0.6
0.7
GC content

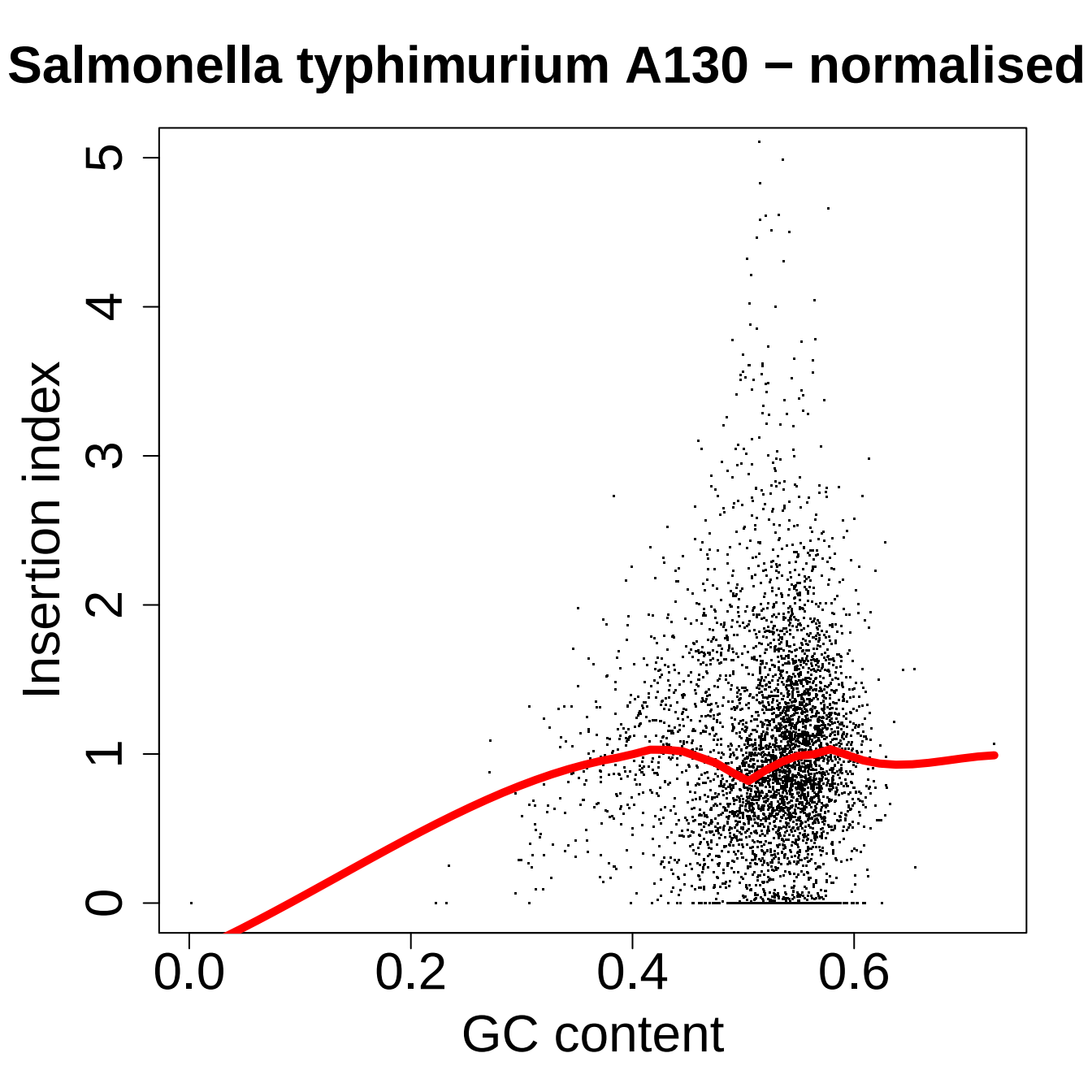

Distance bias – Salmonella typhimurium A
2.0
1.5
1.0
0.5
0.0
Insertion index
Origin
Terminus
Origin
Gene position

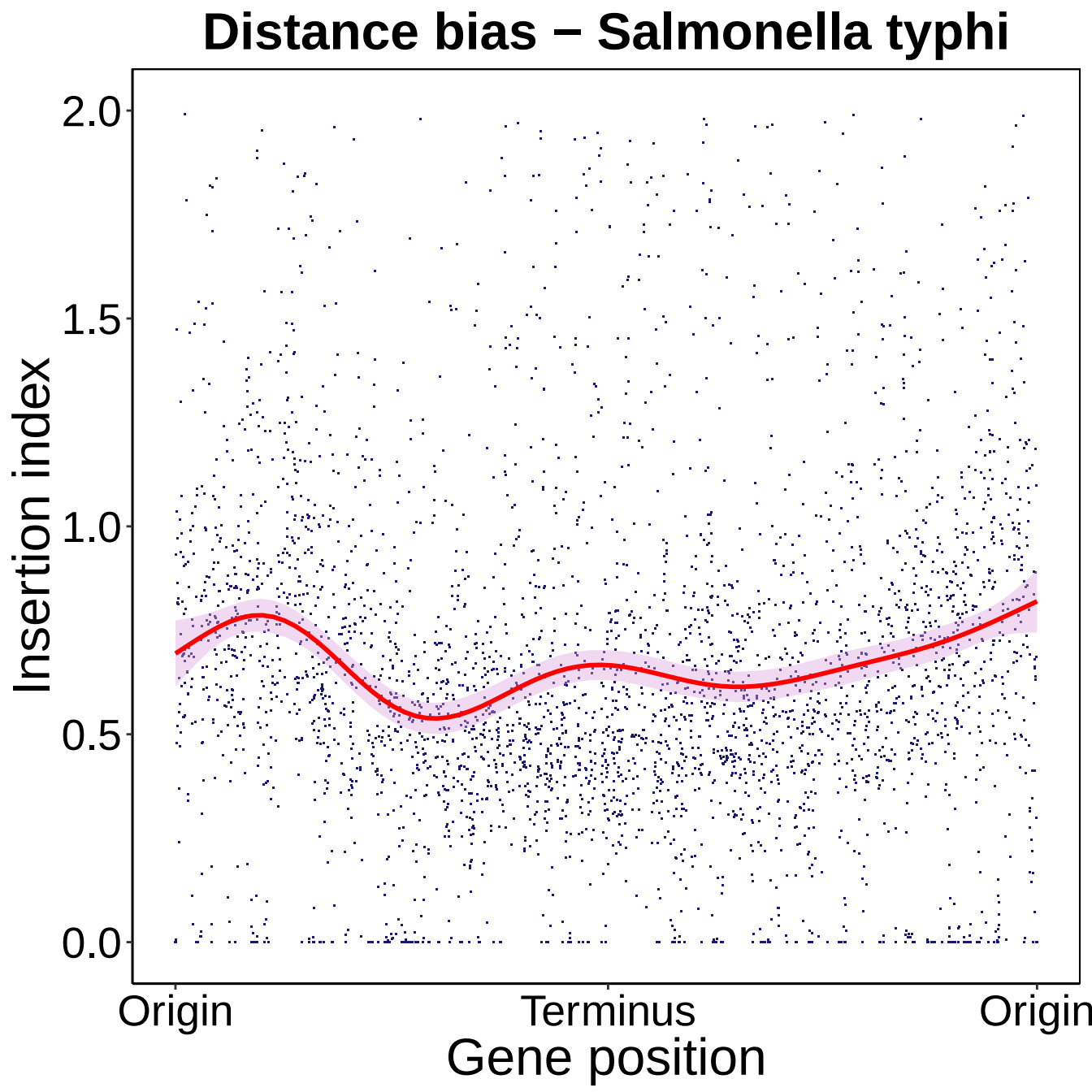

Distance bias – Salmonella typhimurium A1
Insertion index
0.0
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

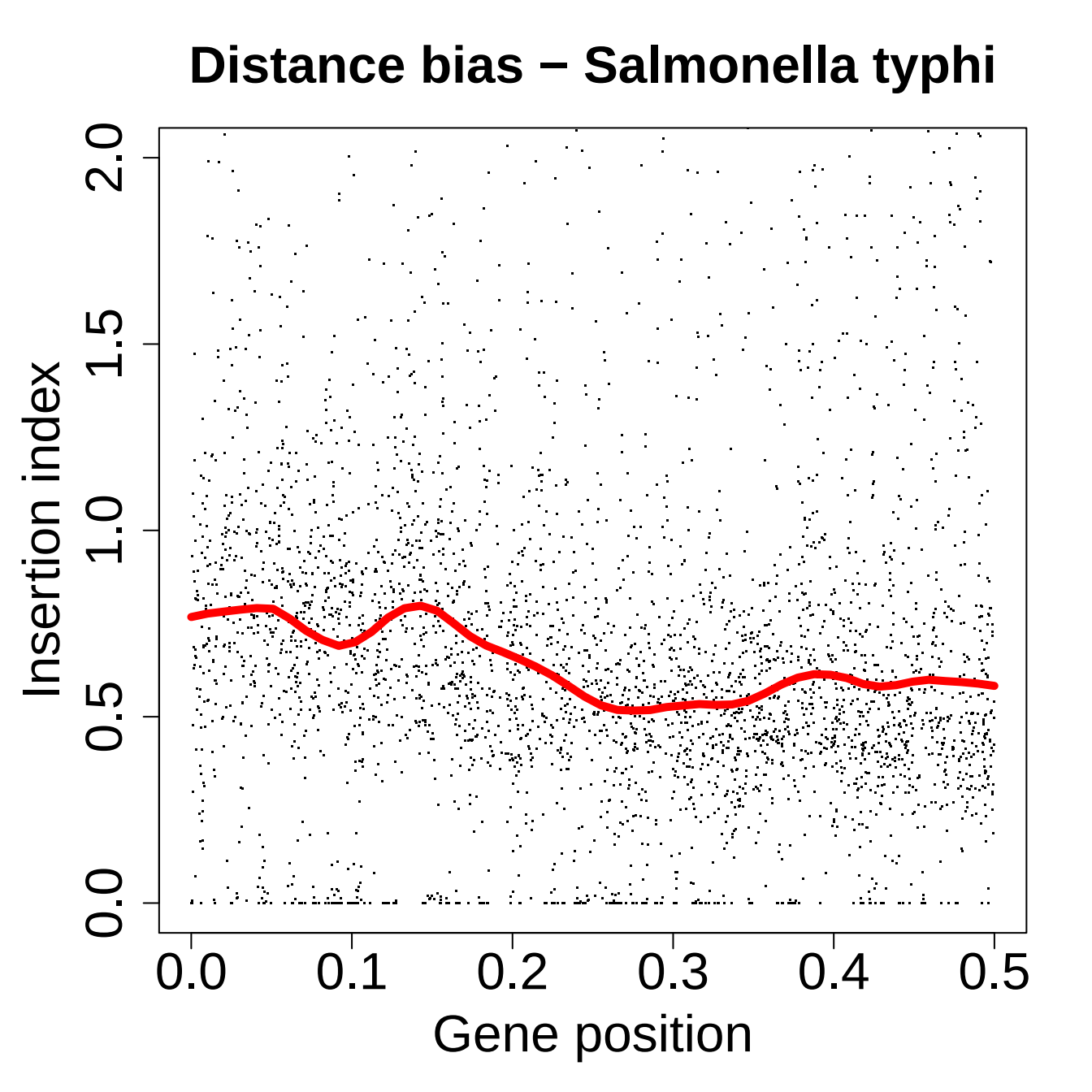

GC bias – Salmonella typhimurium A130
Insertion index
2.0
1.5
1.0
0.5
0.0
0.0
0.2
0.4
0.6
GC content

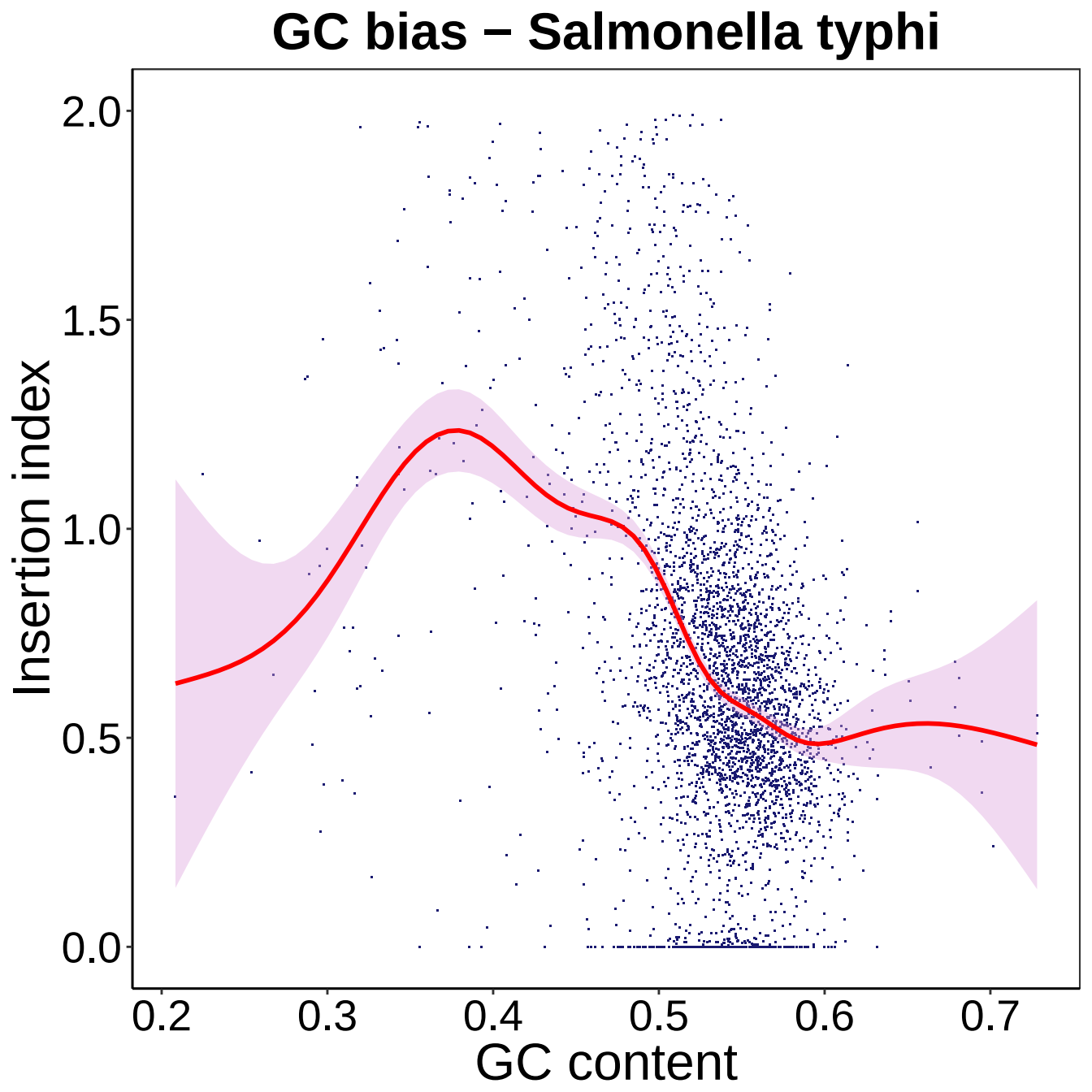

GC bias – Salmonella typhimurium A130
Insertion index
2.0
1.5
1.0
0.5
0.0
0.3
0.4
0.5
0.6
0.7
GC content

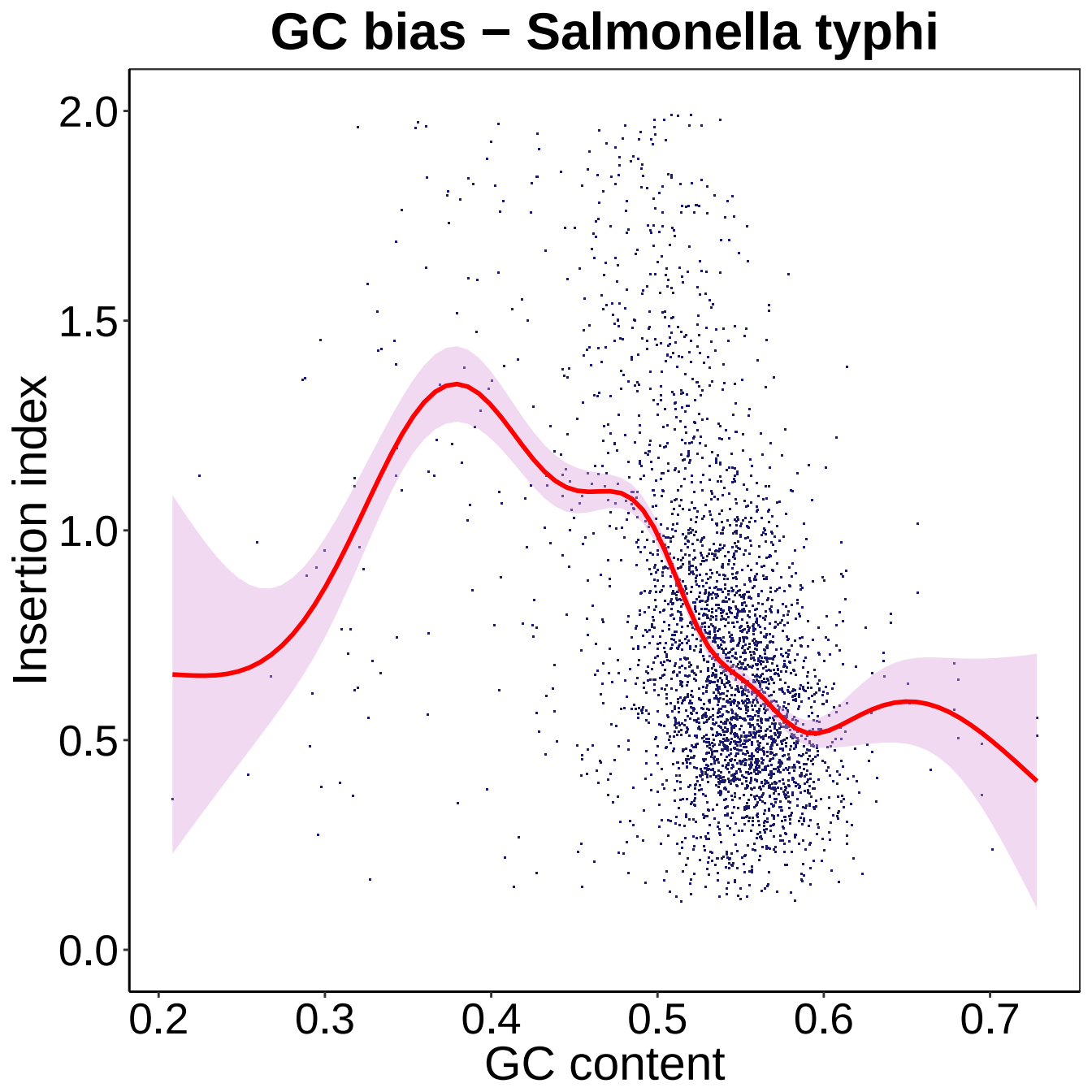

almonella typhimurium A130 – normalised dis
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position

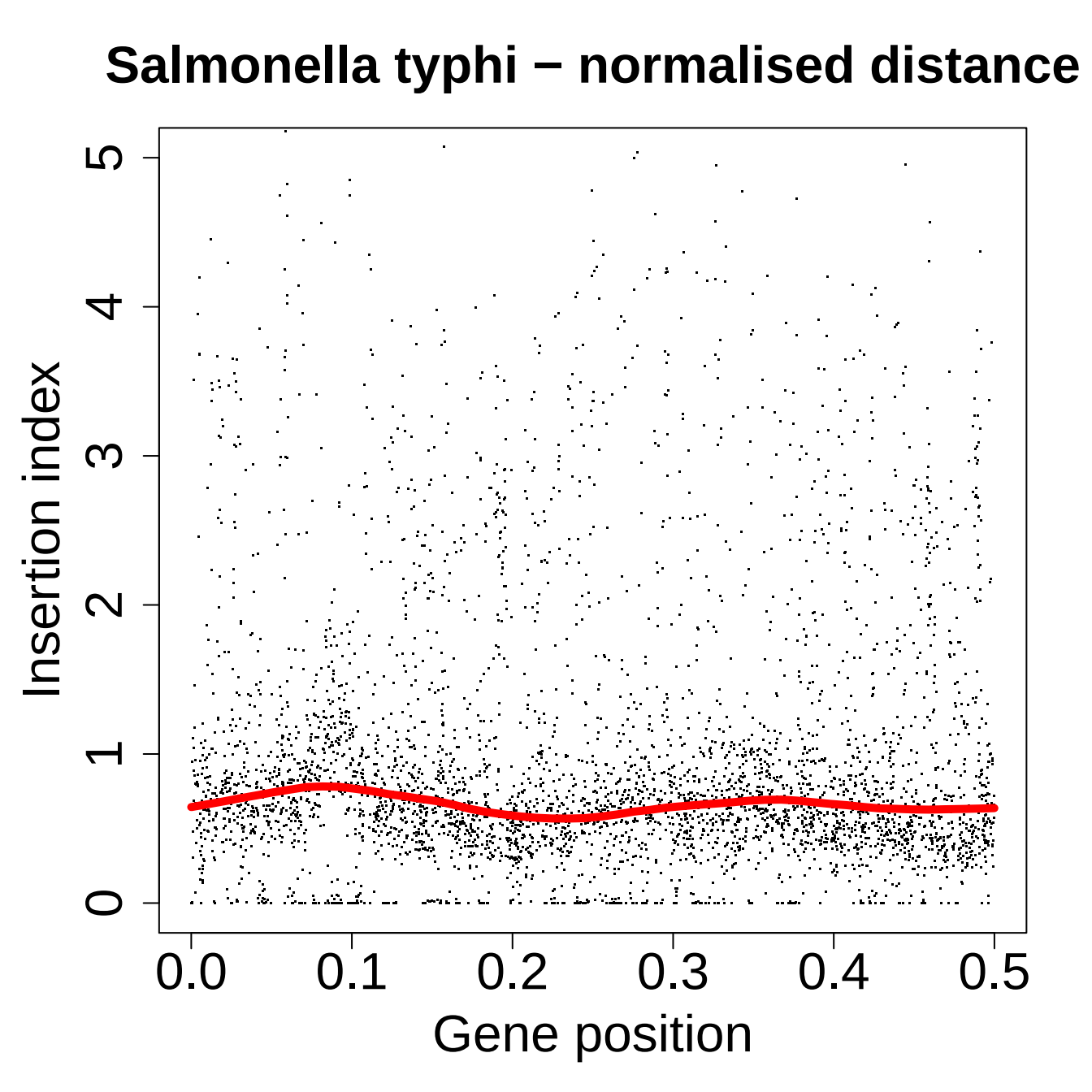

Salmonella typhimurium A130 − normalised
Insertion index
0
1
2
3
4
5
0.0
0.2
0.4
0.6
GC content

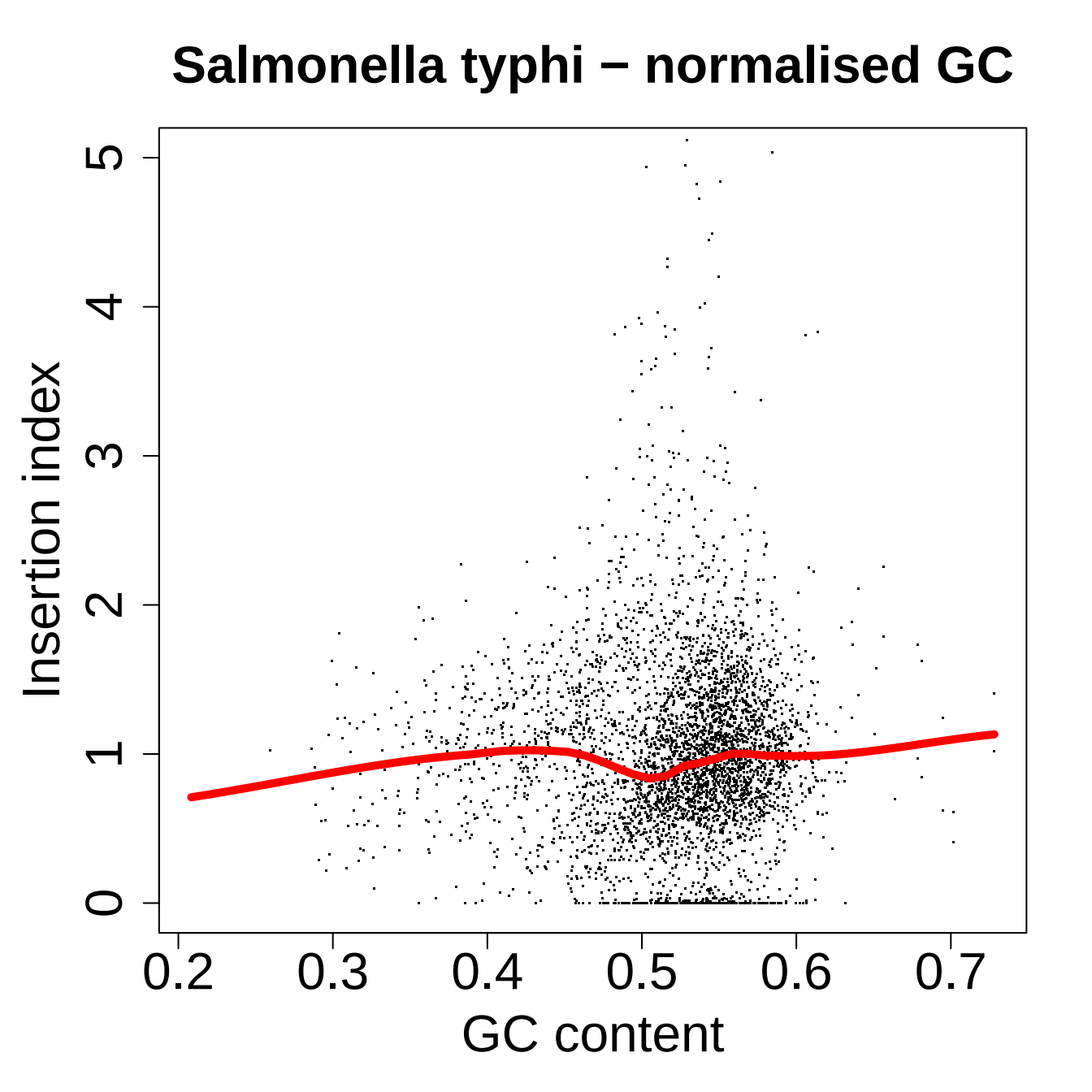

Distance bias – Salmonella typhi
Insertion index
2.0
1.5
1.0
0.5
0.0
Origin
Terminus
Origin
Gene position

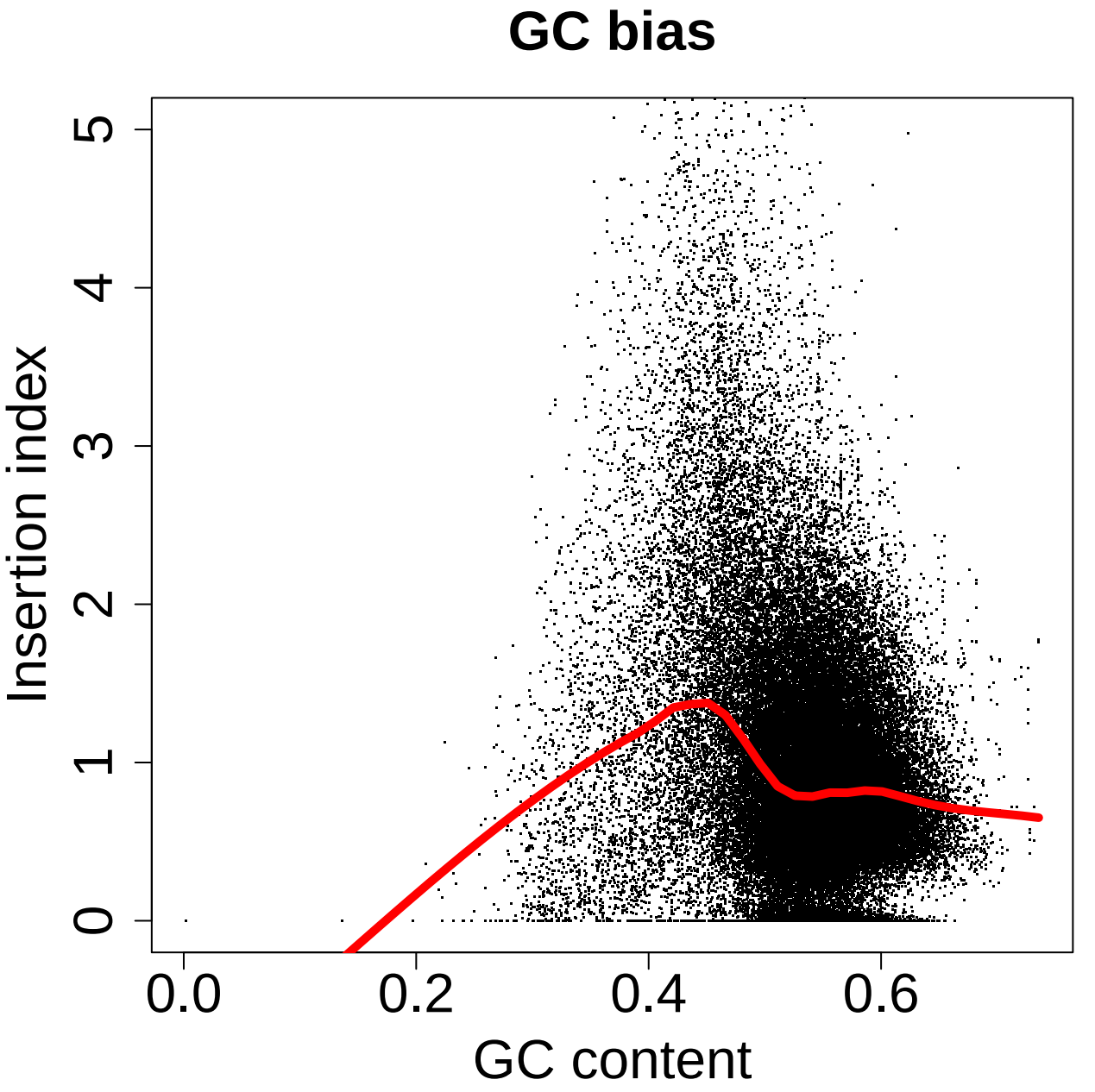

Distance bias − Salmonella typhi
Insertion index
0.0
0.5
1.0
1.5
2.0
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


GC bias – Salmonella typhi
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 – Salmonella typhi
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


Salmonella typhi – normalised distance
Insertion index
0
1
2
3
4
5
0.0
0.1
0.2
0.3
0.4
0.5
Gene position


Salmonella typhi − 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