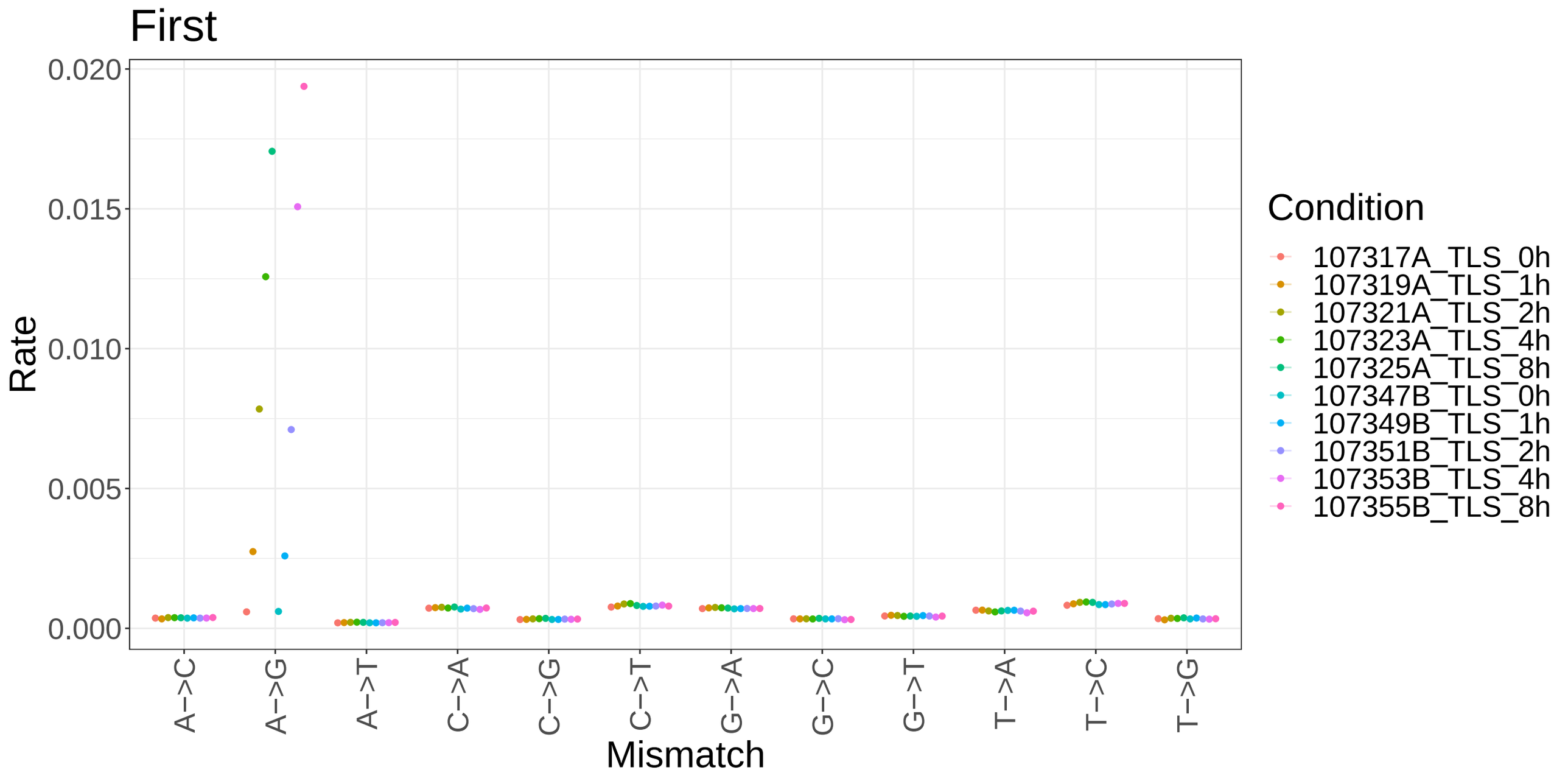
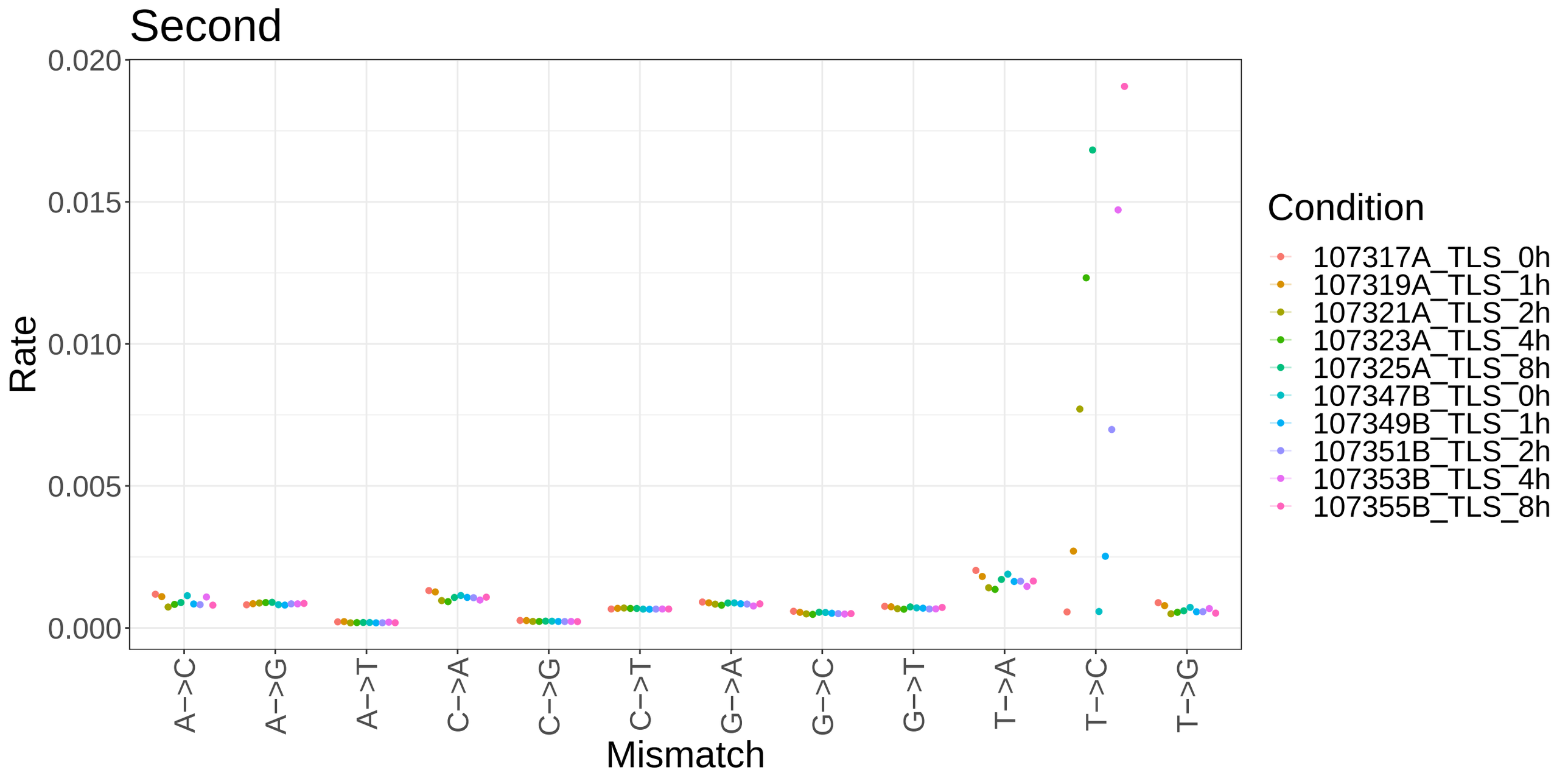
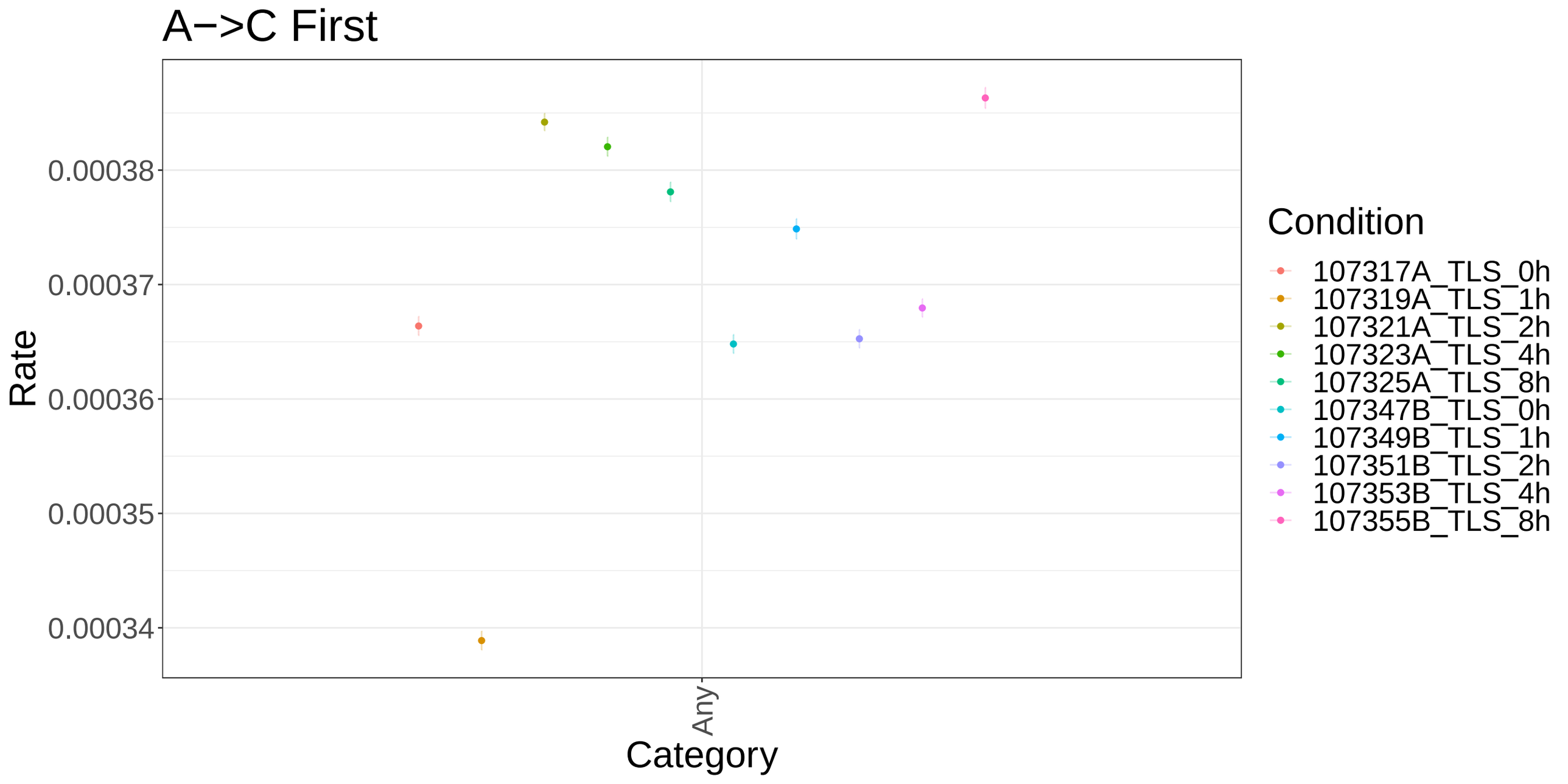
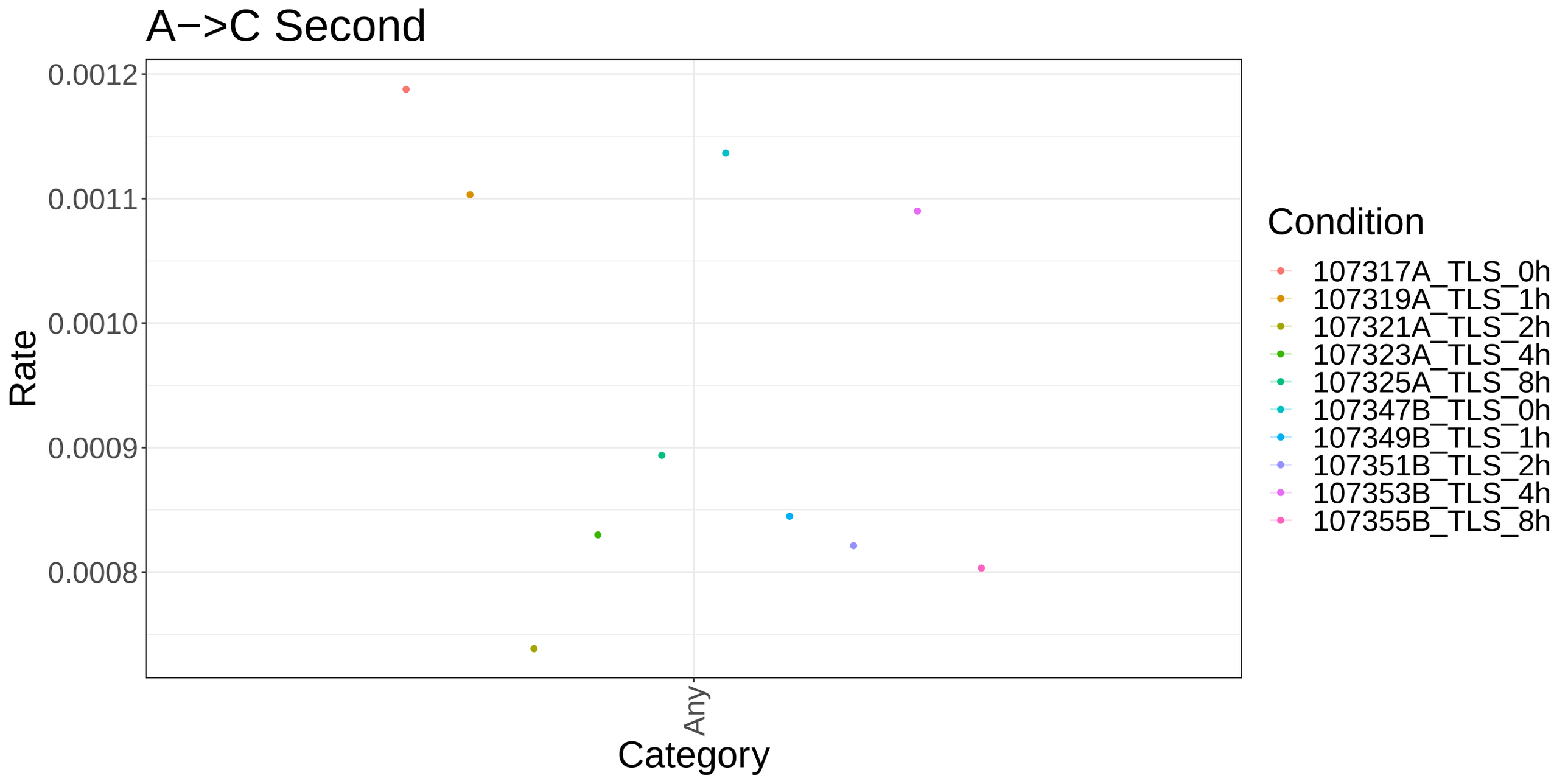
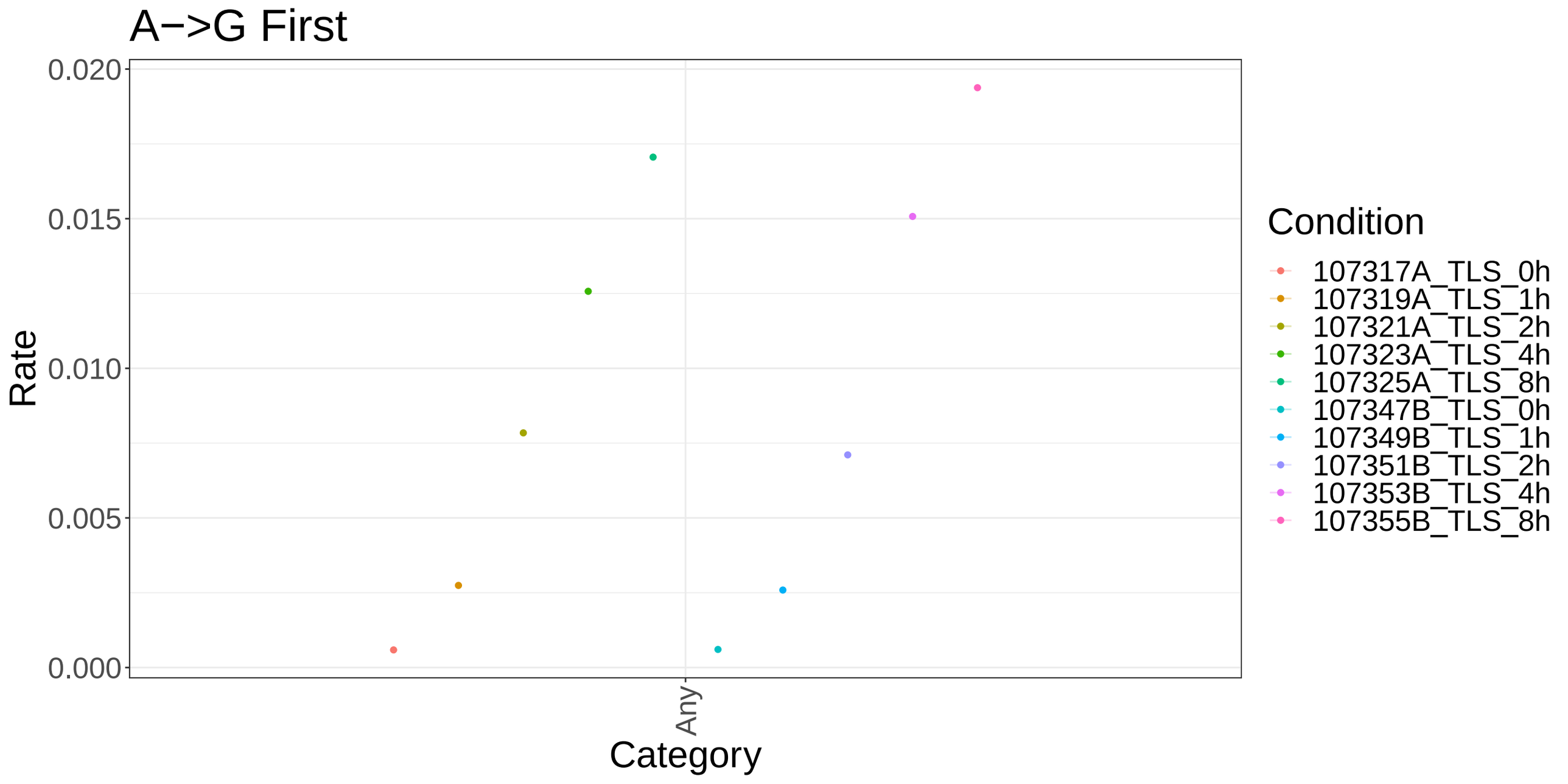
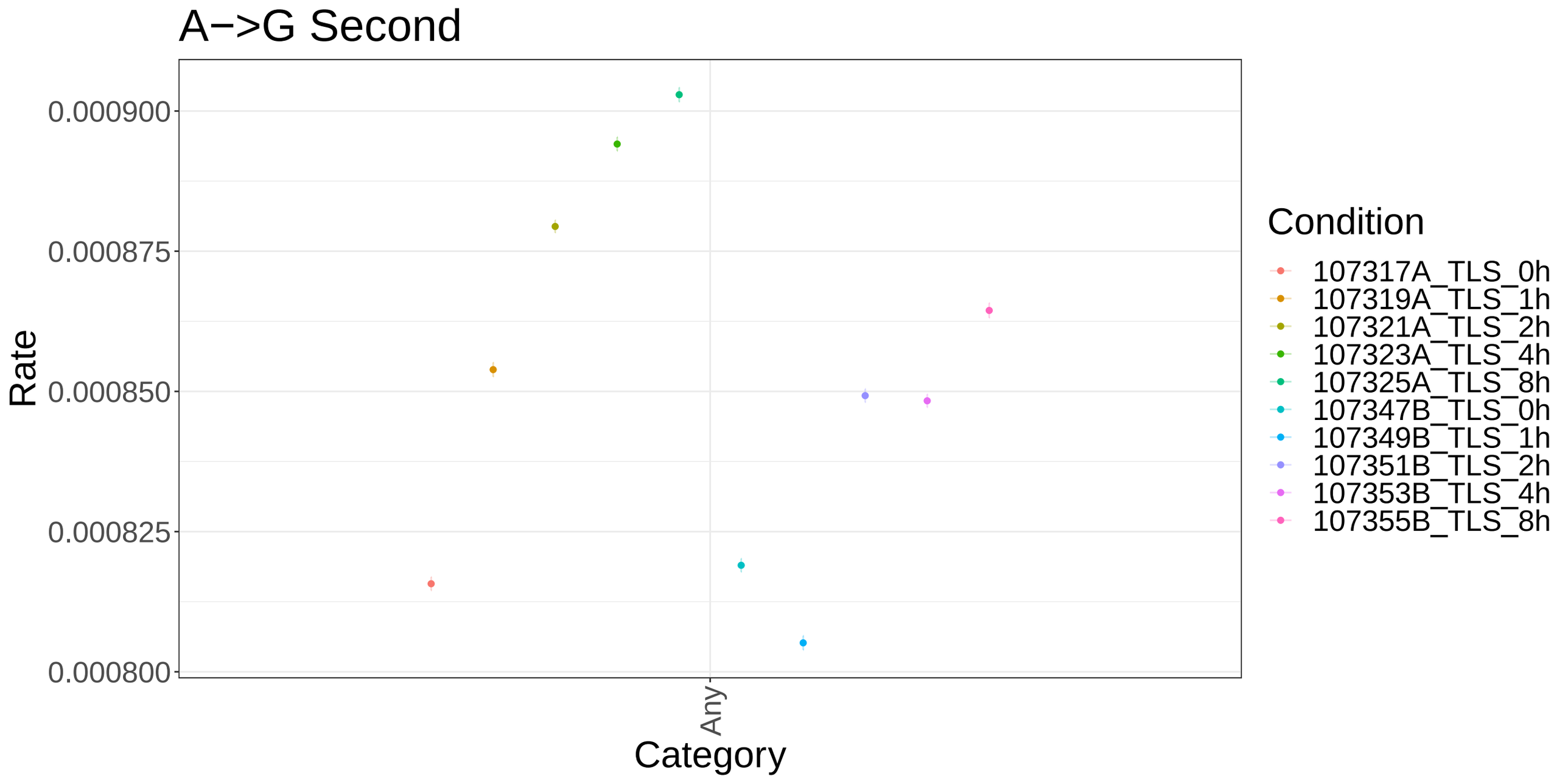

First
0.020
0.015
0.010
0.005
0.000
Rate
A−>C
A−>G
A−>T
C−>A
C−>G
C−>T
G−>A
G−>C
G−>T
T−>A
T−>C
T−>G
Mismatch
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


Second
0.020
0.015
0.010
0.005
0.000
Rate
A−>C
A−>G
A−>T
C−>A
C−>G
C−>T
G−>A
G−>C
G−>T
T−>A
T−>C
T−>G
Mismatch
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


A−>C First
Rate
0.00038
0.00037
0.00036
0.00035
0.00034
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


A−>C Second
0.0012
0.0011
0.0010
0.0009
0.0008
Rate
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


A−>G First
0.020
0.015
0.010
0.005
0.000
Rate
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


A−>G Second
0.000900
0.000875
0.000850
0.000825
0.000800
Rate
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
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107347B_TLS_0h
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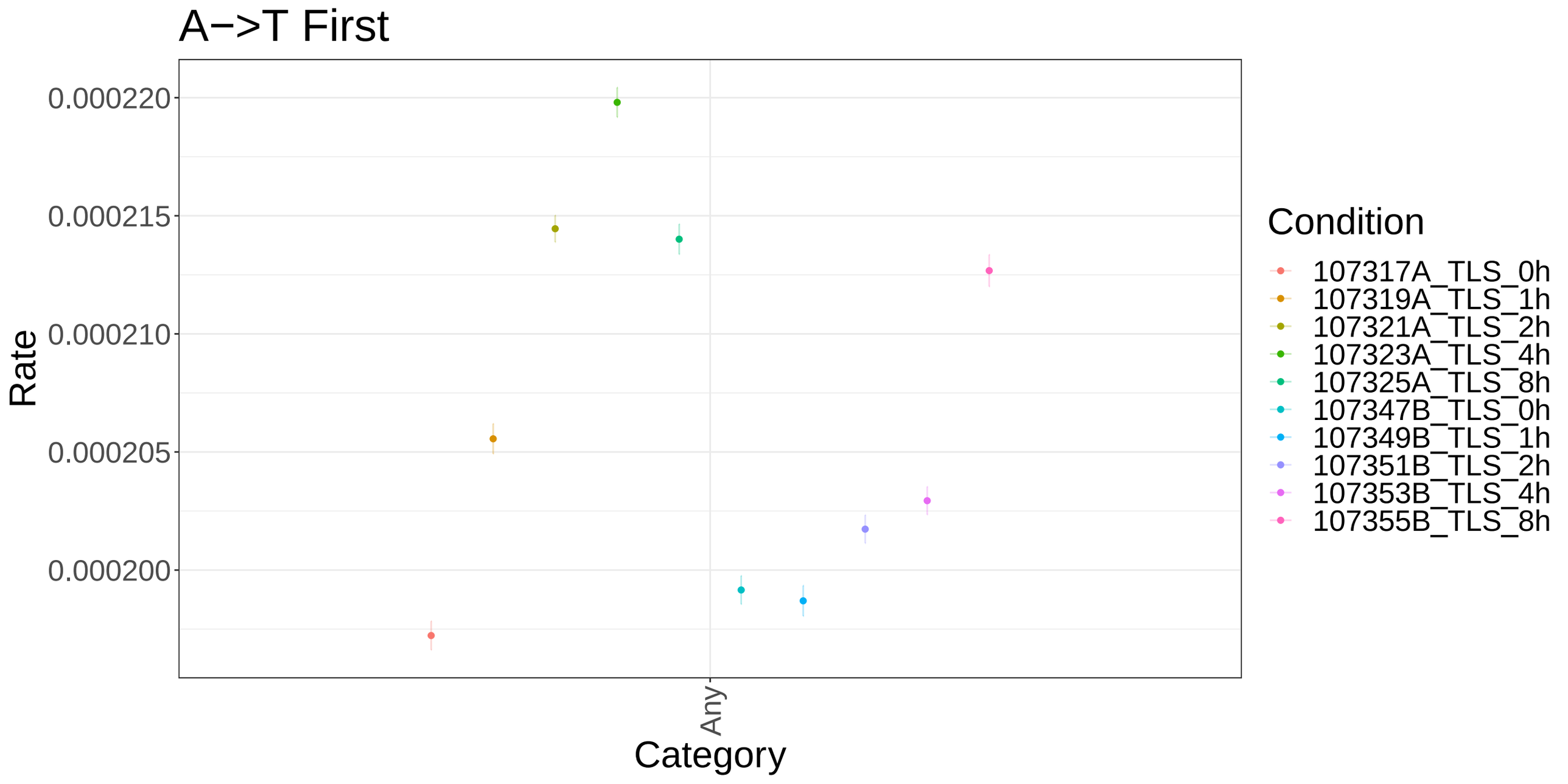
107355B_TLS_8h


A−>T First
0.000220
0.000215
0.000210
0.000205
0.000200
Rate
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
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107347B_TLS_0h
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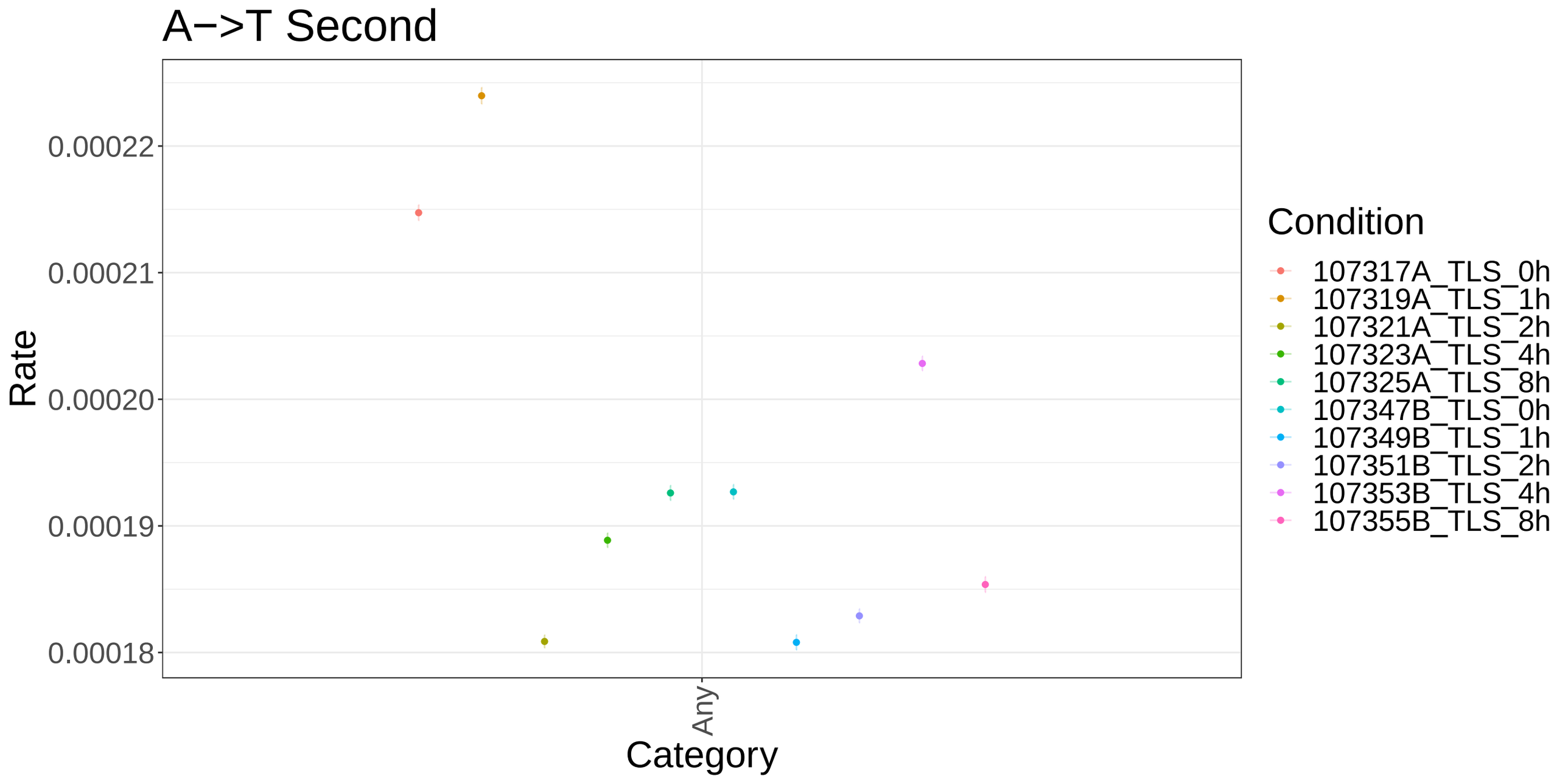
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


A−>T Second
Rate
0.00022
0.00021
0.00020
0.00019
0.00018
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
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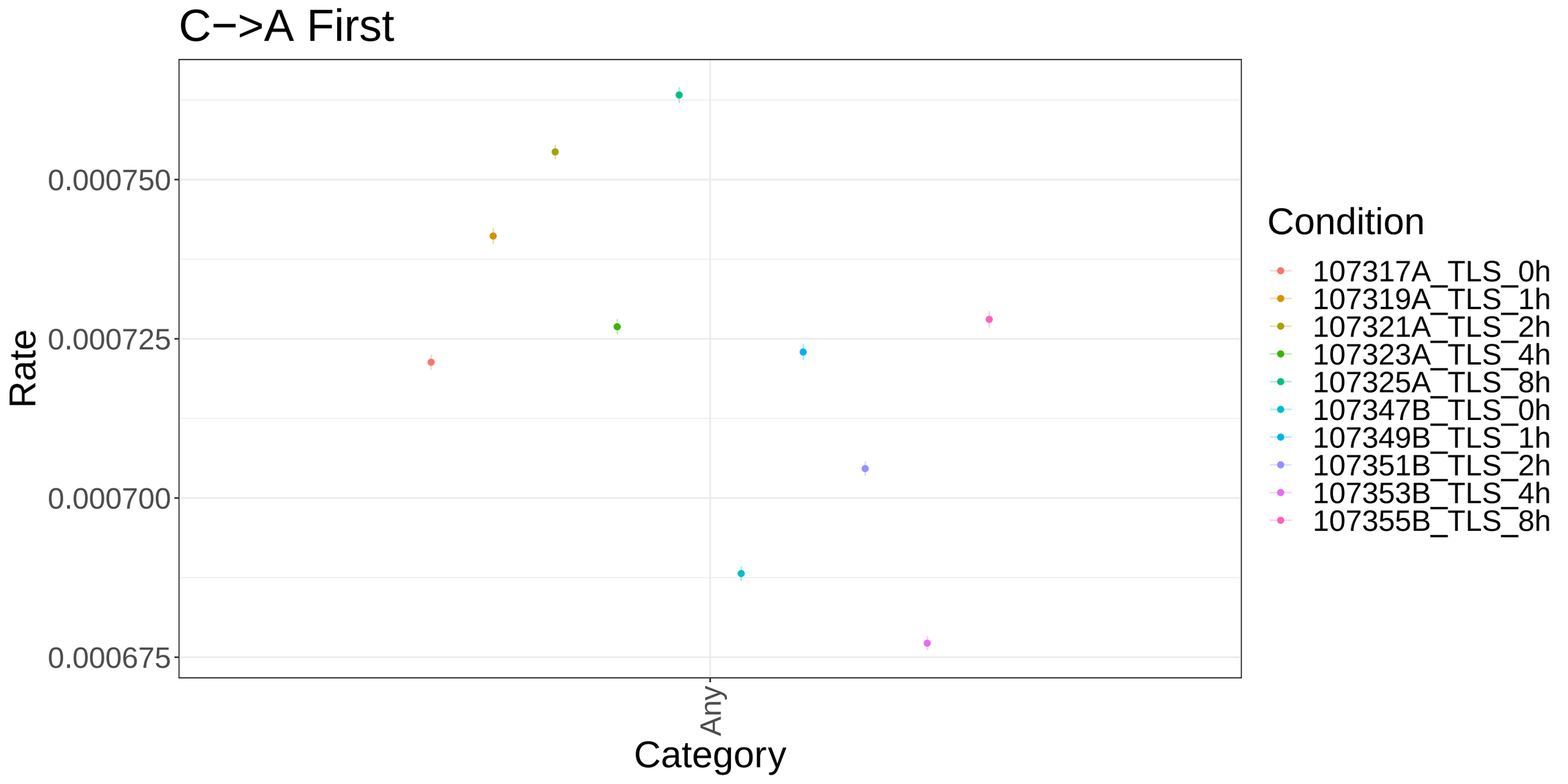
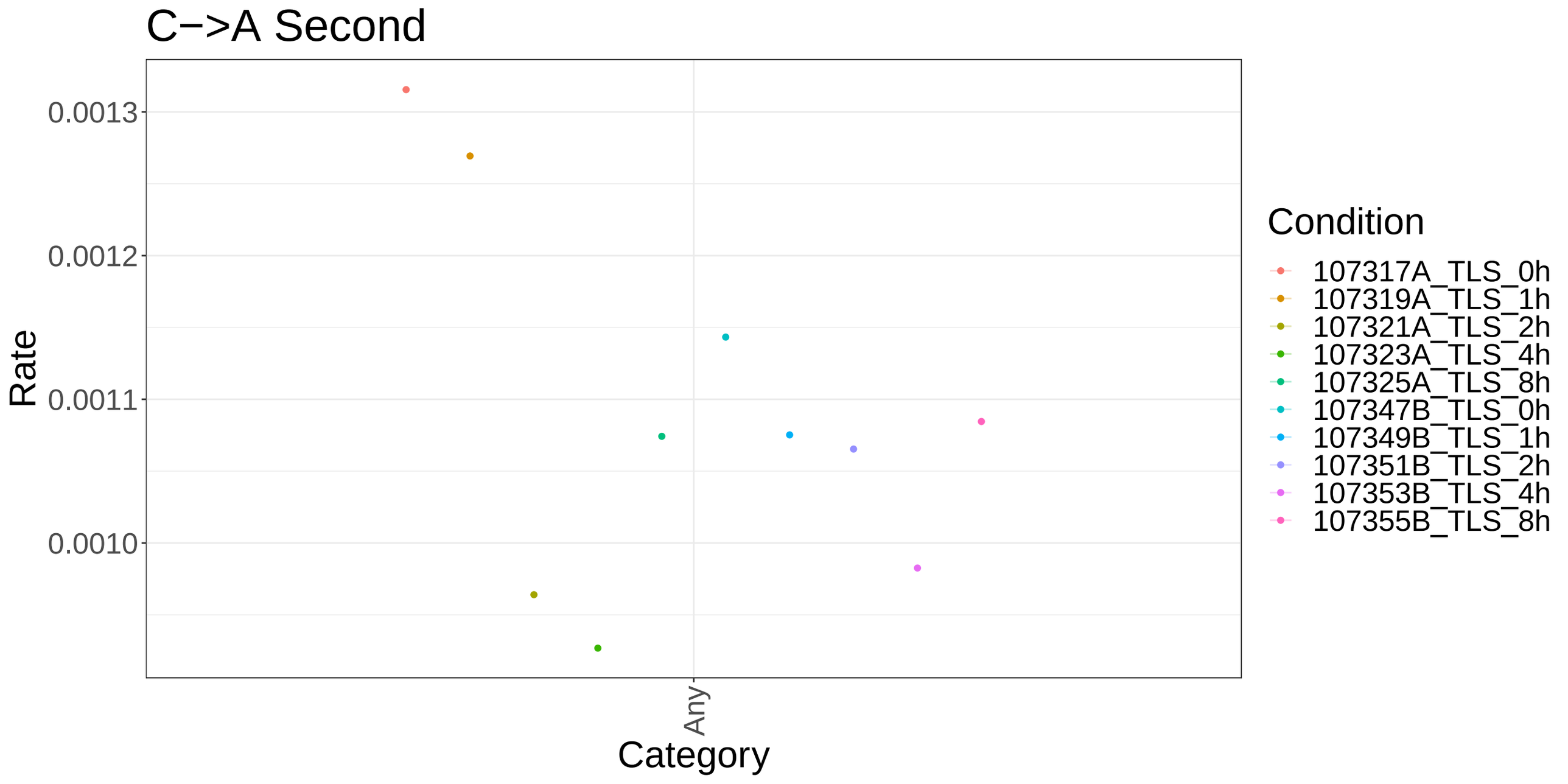
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


C−>A First
Rate
0.000750
0.000725
0.000700
0.000675
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


C−>A Second
Rate
0.0013
0.0012
0.0011
0.0010
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
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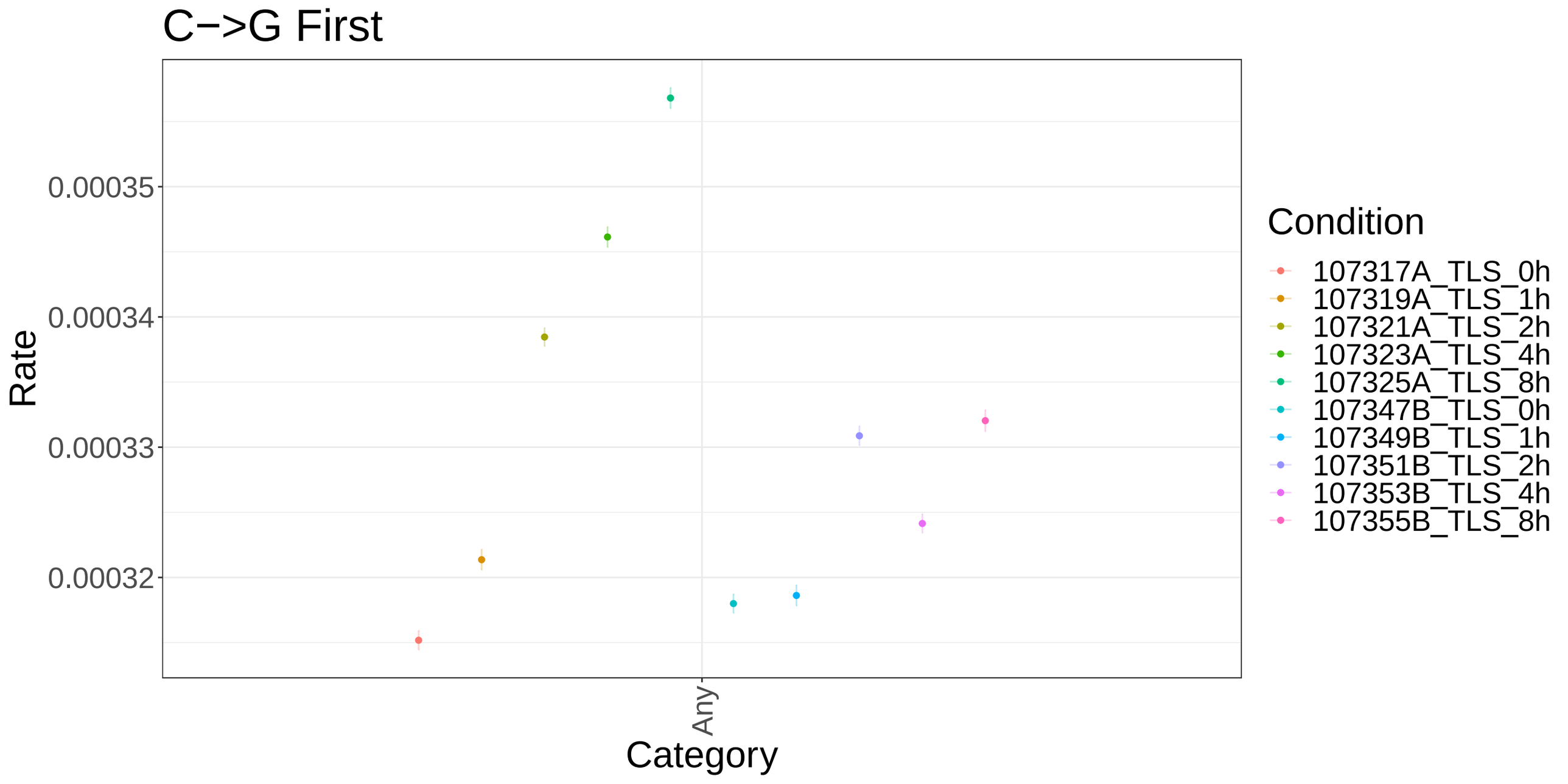
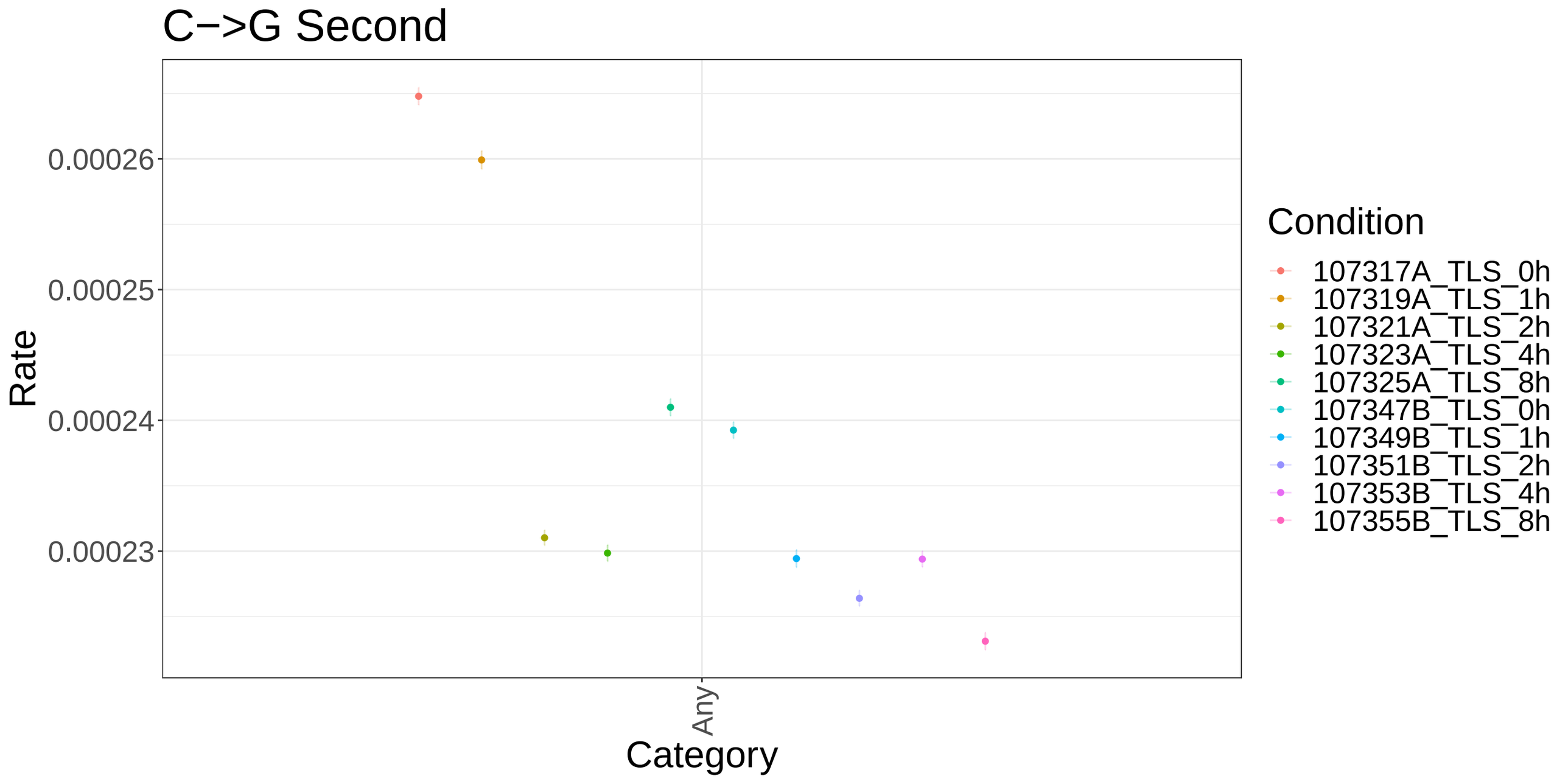
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


C−>G First
Rate
0.00035
0.00034
0.00033
0.00032
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


C−>G Second
Rate
0.00026
0.00025
0.00024
0.00023
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
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107347B_TLS_0h
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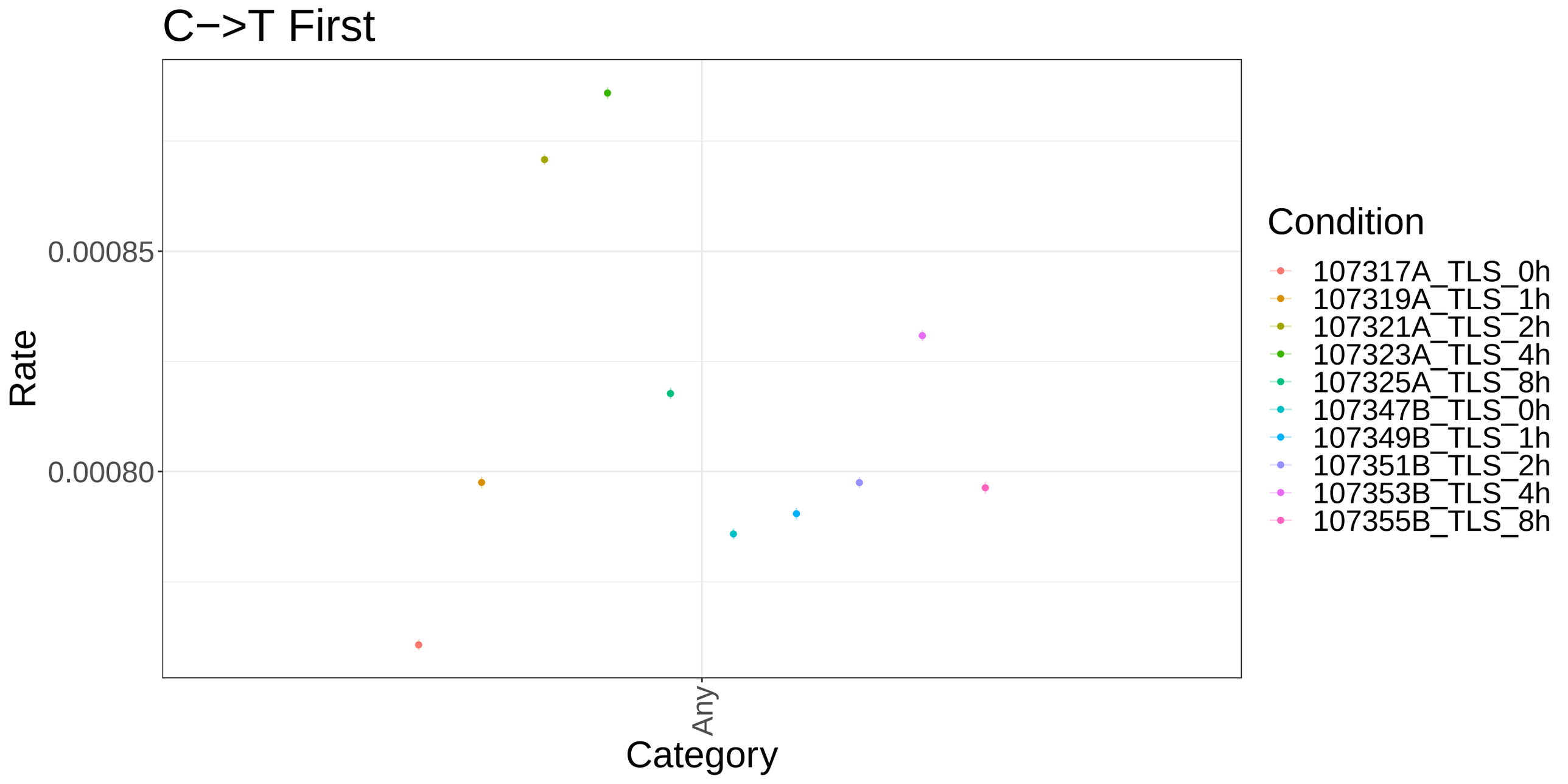
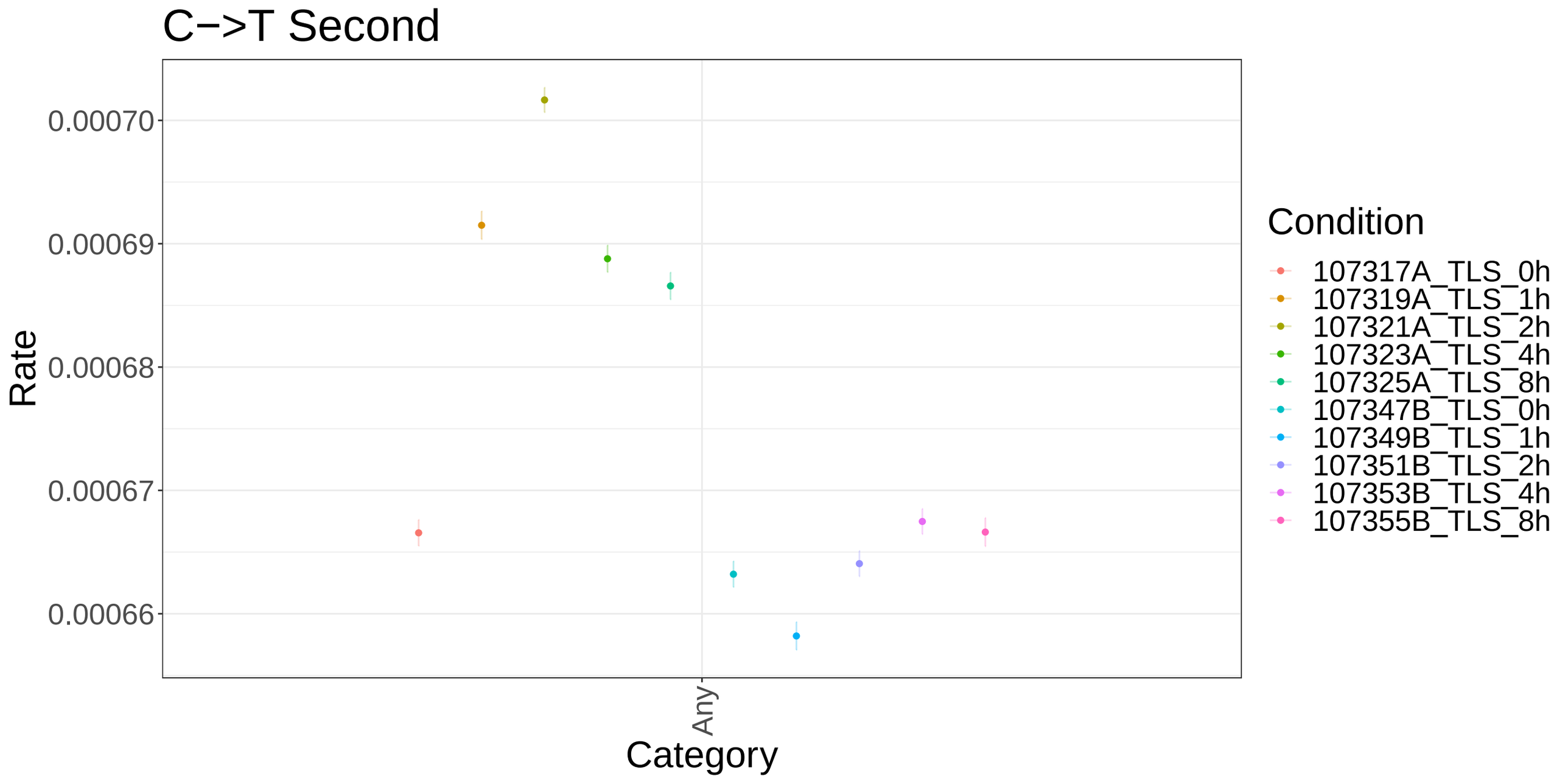
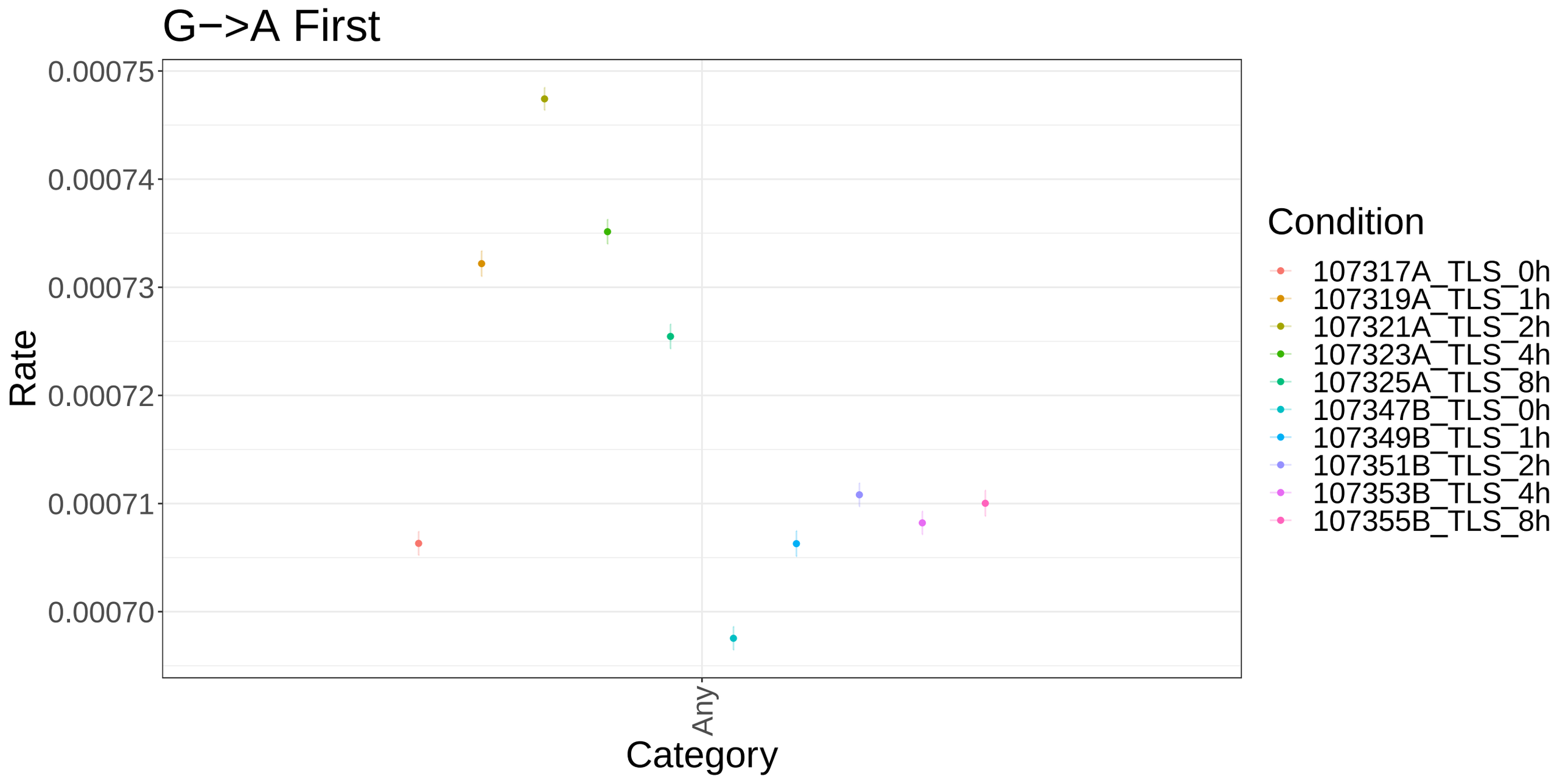
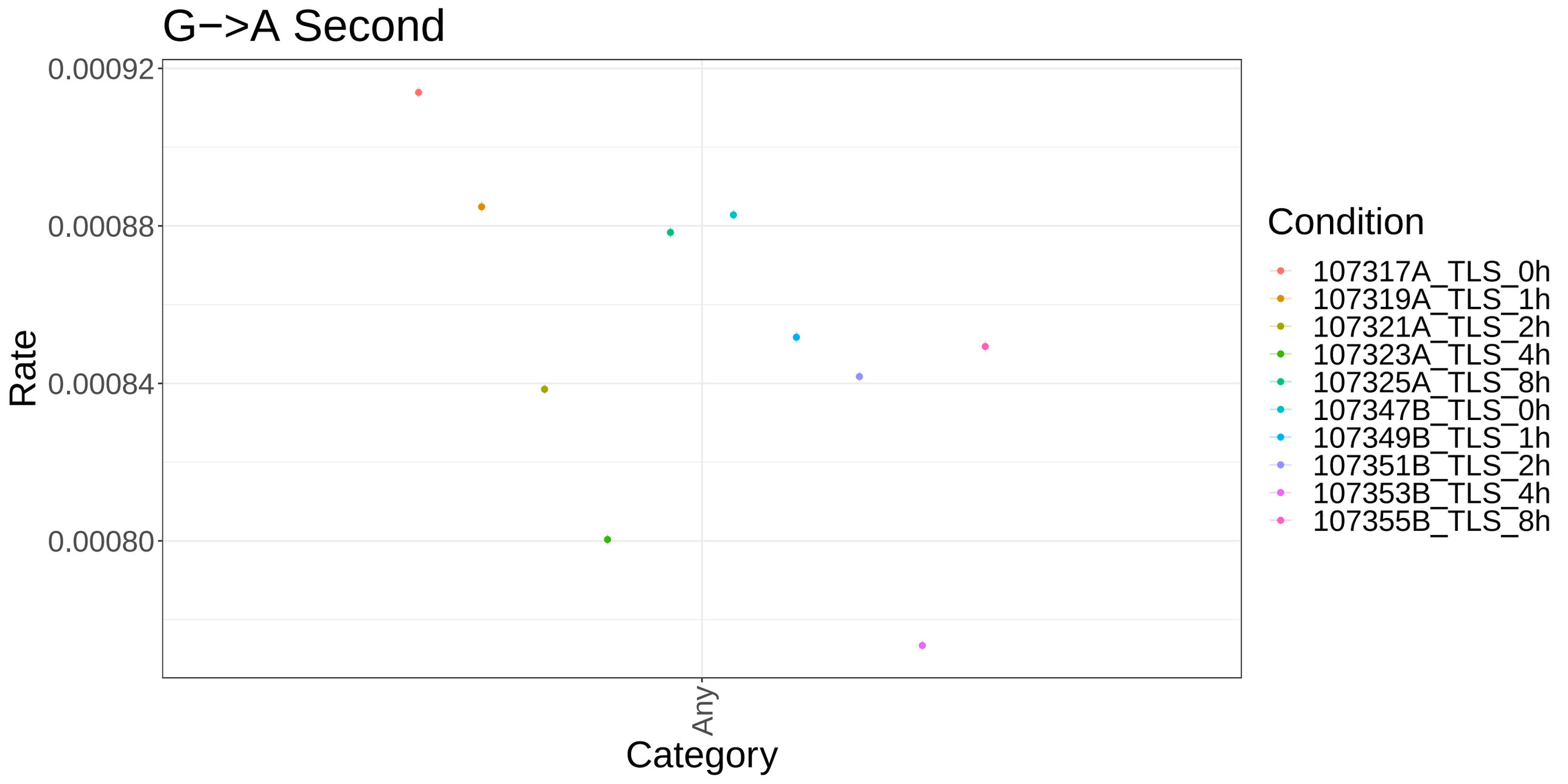
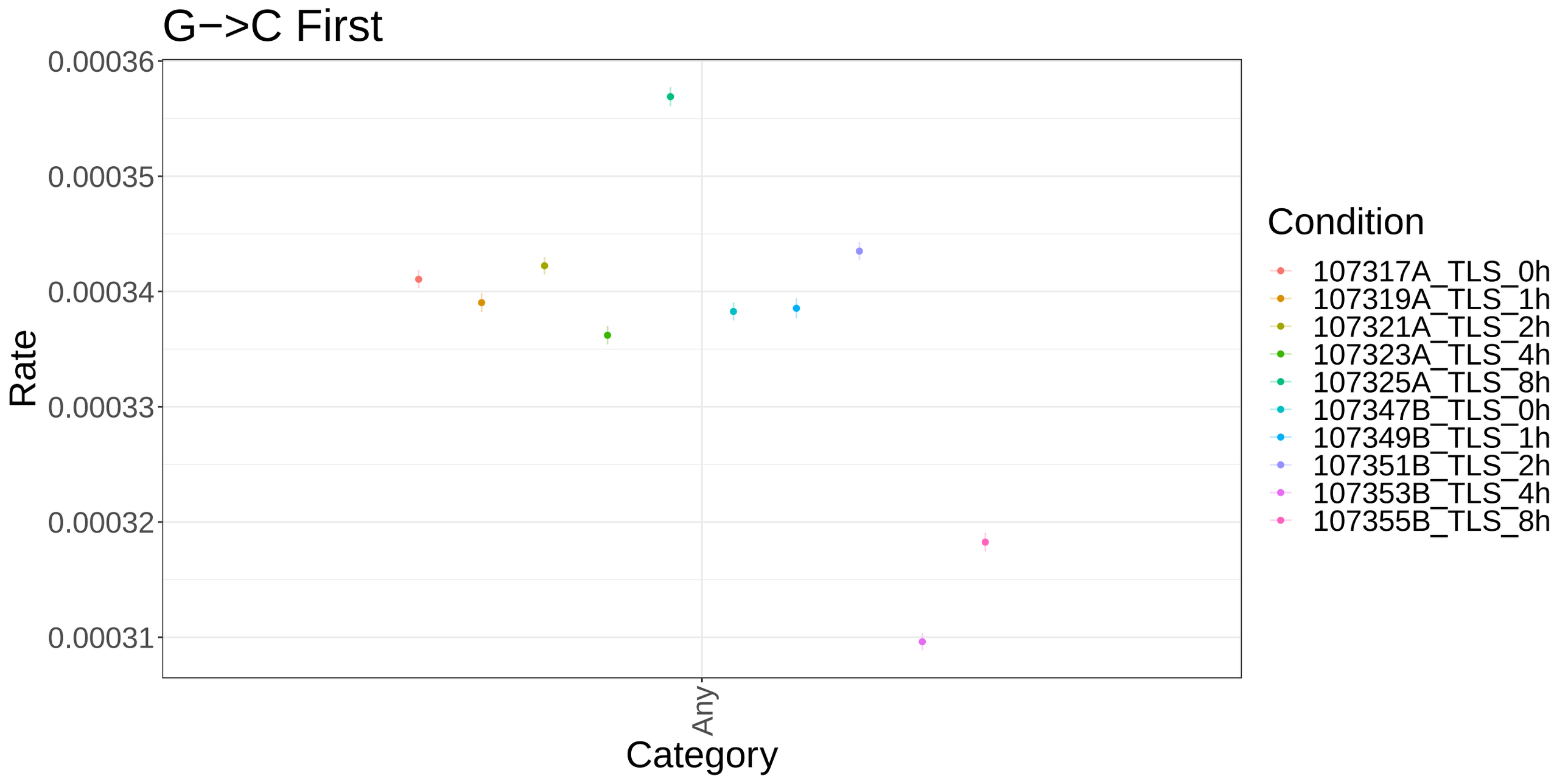
107355B_TLS_8h

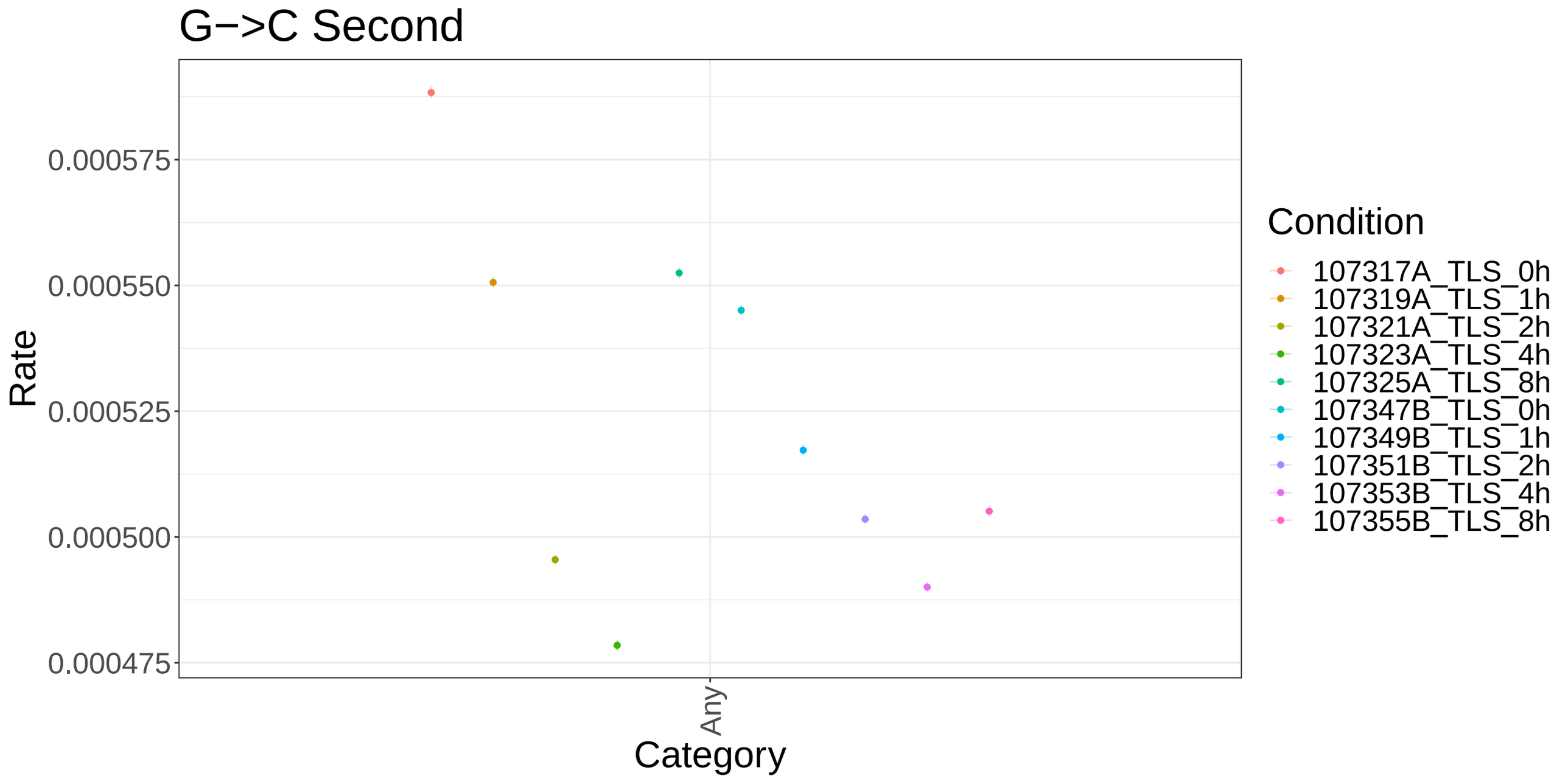

C−>T First
Rate
0.00085
0.00080
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h

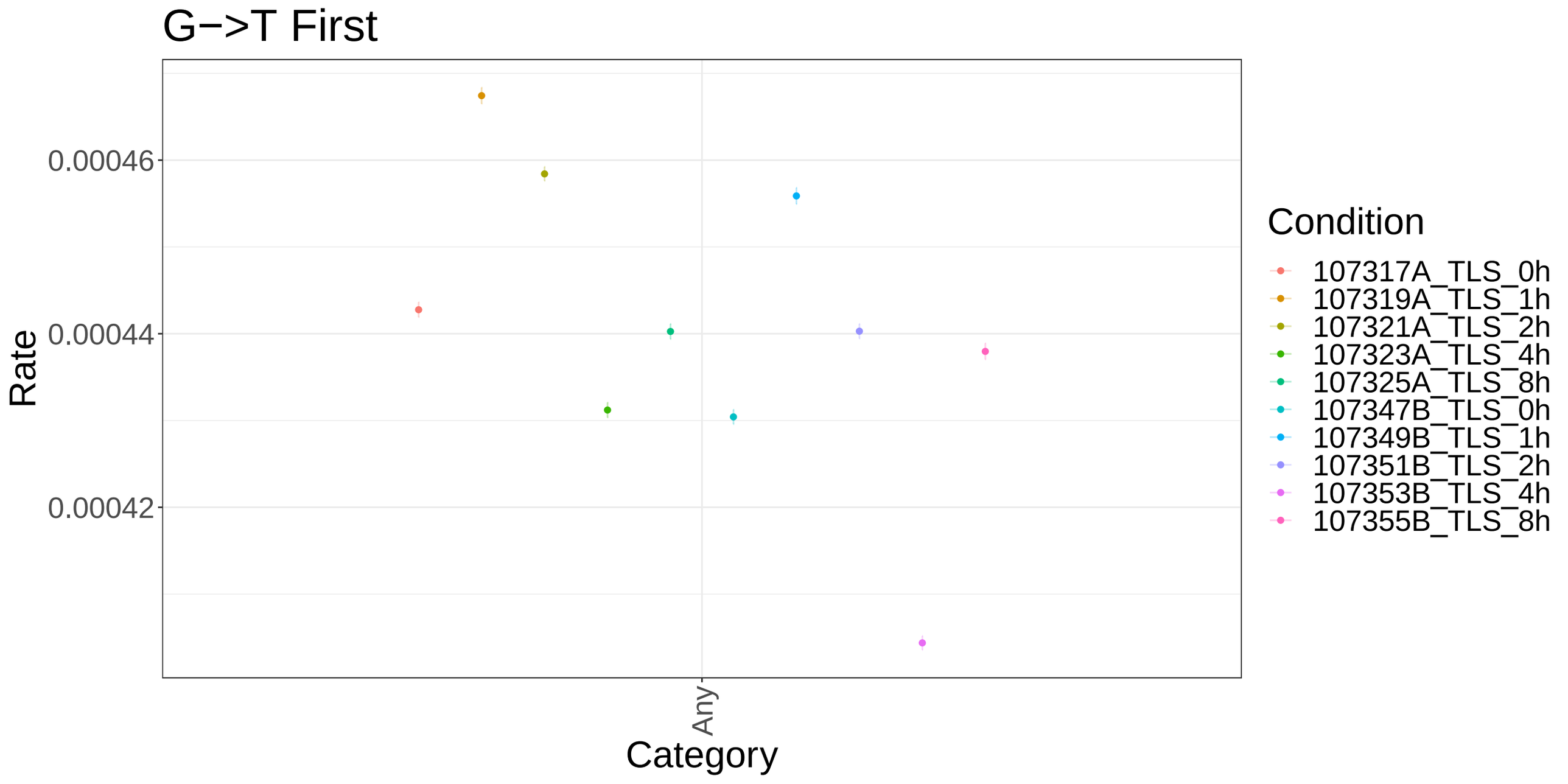

C−>T Second
0.00070
0.00069
0.00068
0.00067
0.00066
Rate
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h

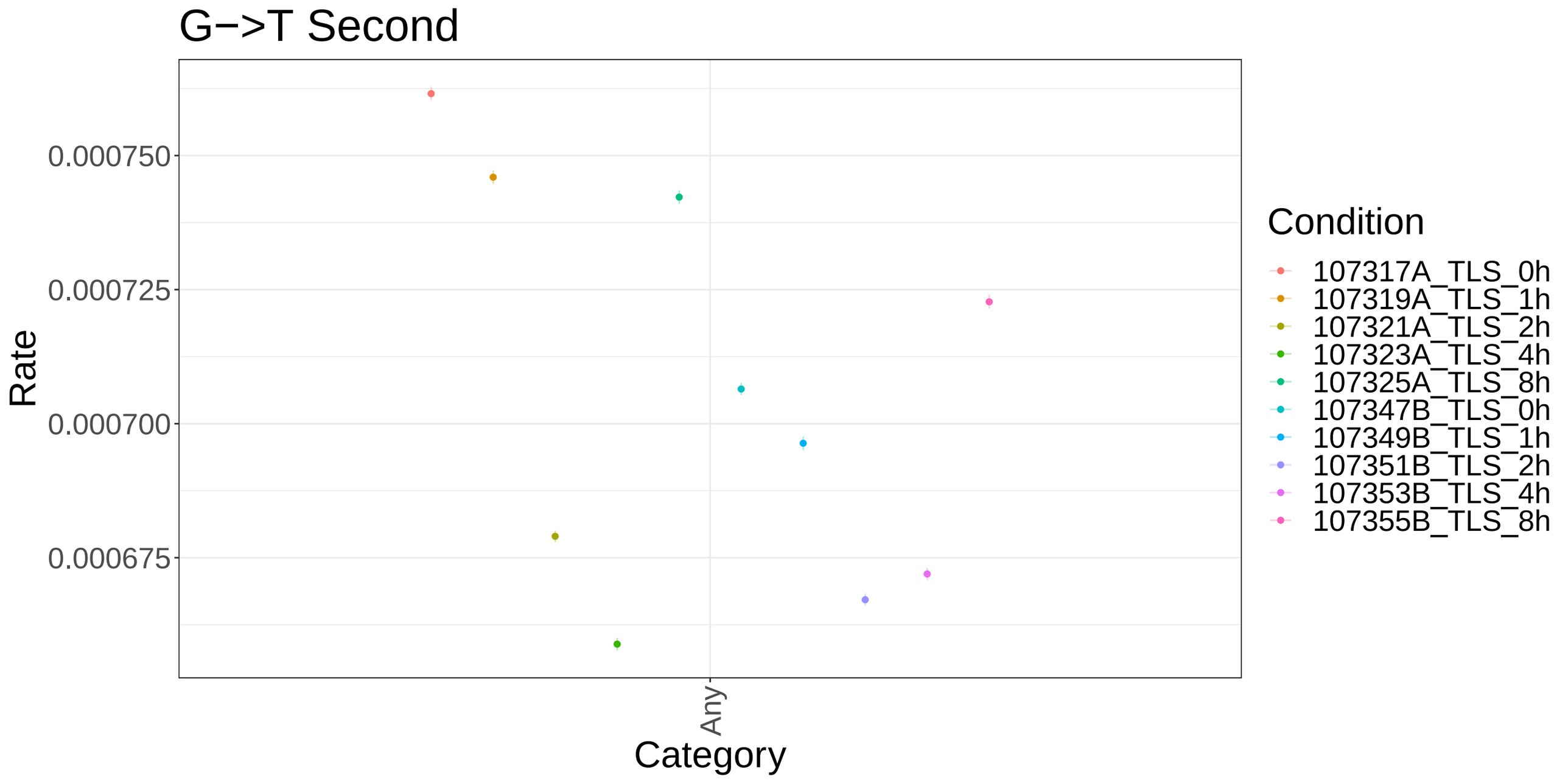

G−>A First
0.00075
0.00074
0.00073
0.00072
0.00071
0.00070
Rate
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h

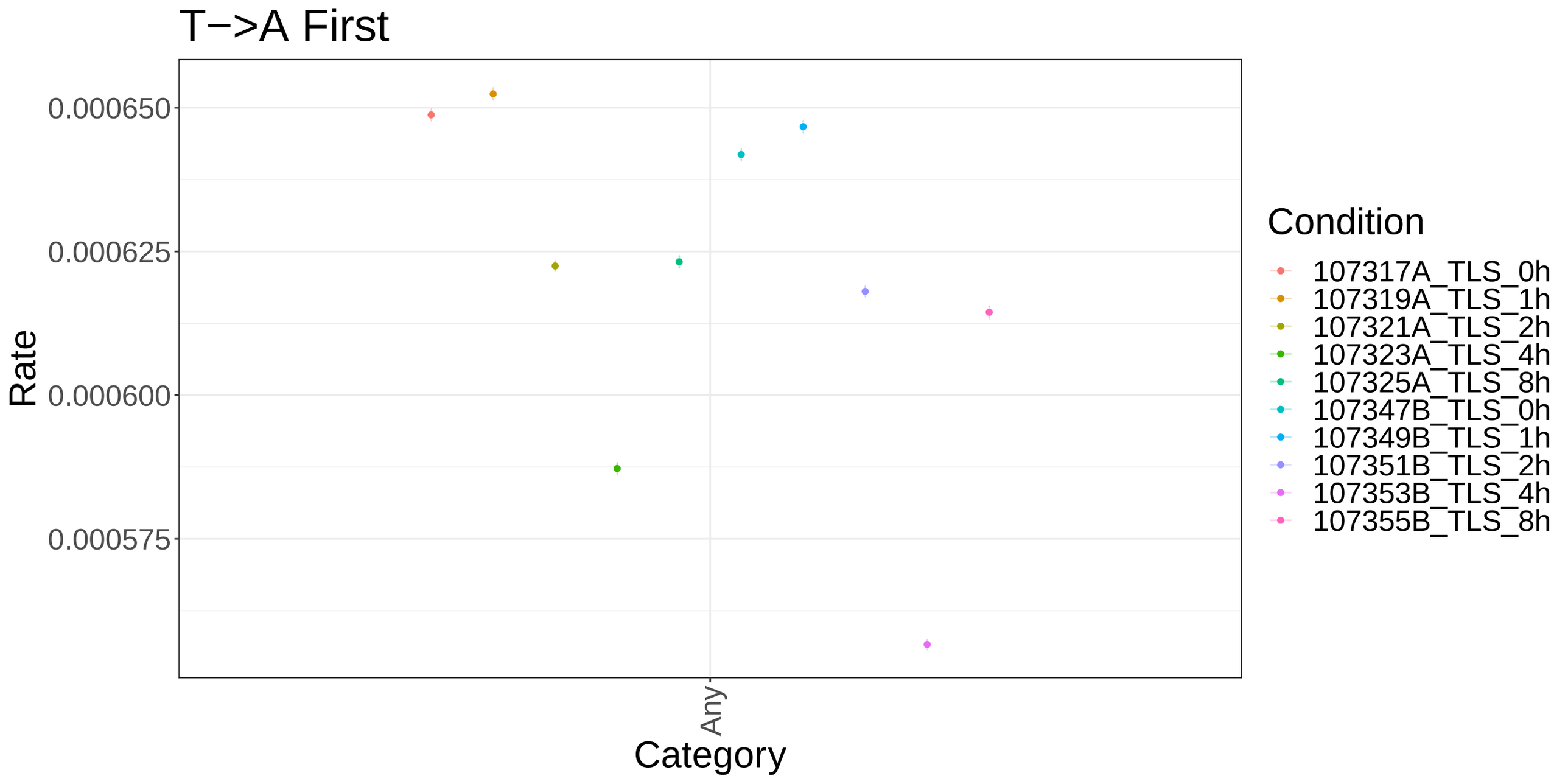

G−>A Second
0.00092
0.00088
0.00084
0.00080
Rate
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h

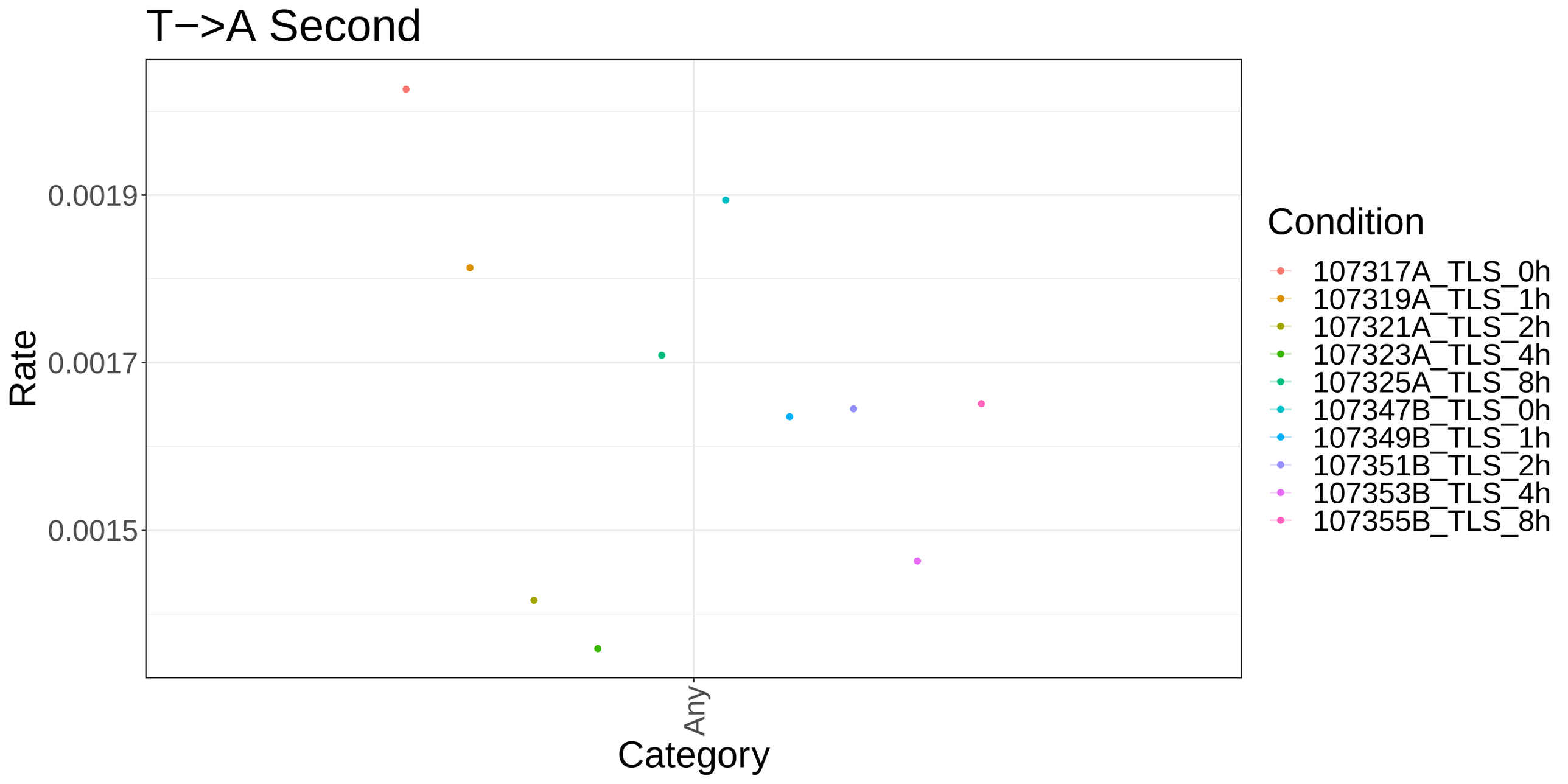

G−>C First
0.00036
0.00035
0.00034
0.00033
0.00032
0.00031
Rate
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


G−>C Second
Rate
0.000575
0.000550
0.000525
0.000500
0.000475
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


G−>T First
Rate
0.00046
0.00044
0.00042
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


G−>T Second
0.000750
0.000725
0.000700
0.000675
Rate
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


T−>A First
0.000650
0.000625
0.000600
0.000575
Rate
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


T−>A Second
Rate
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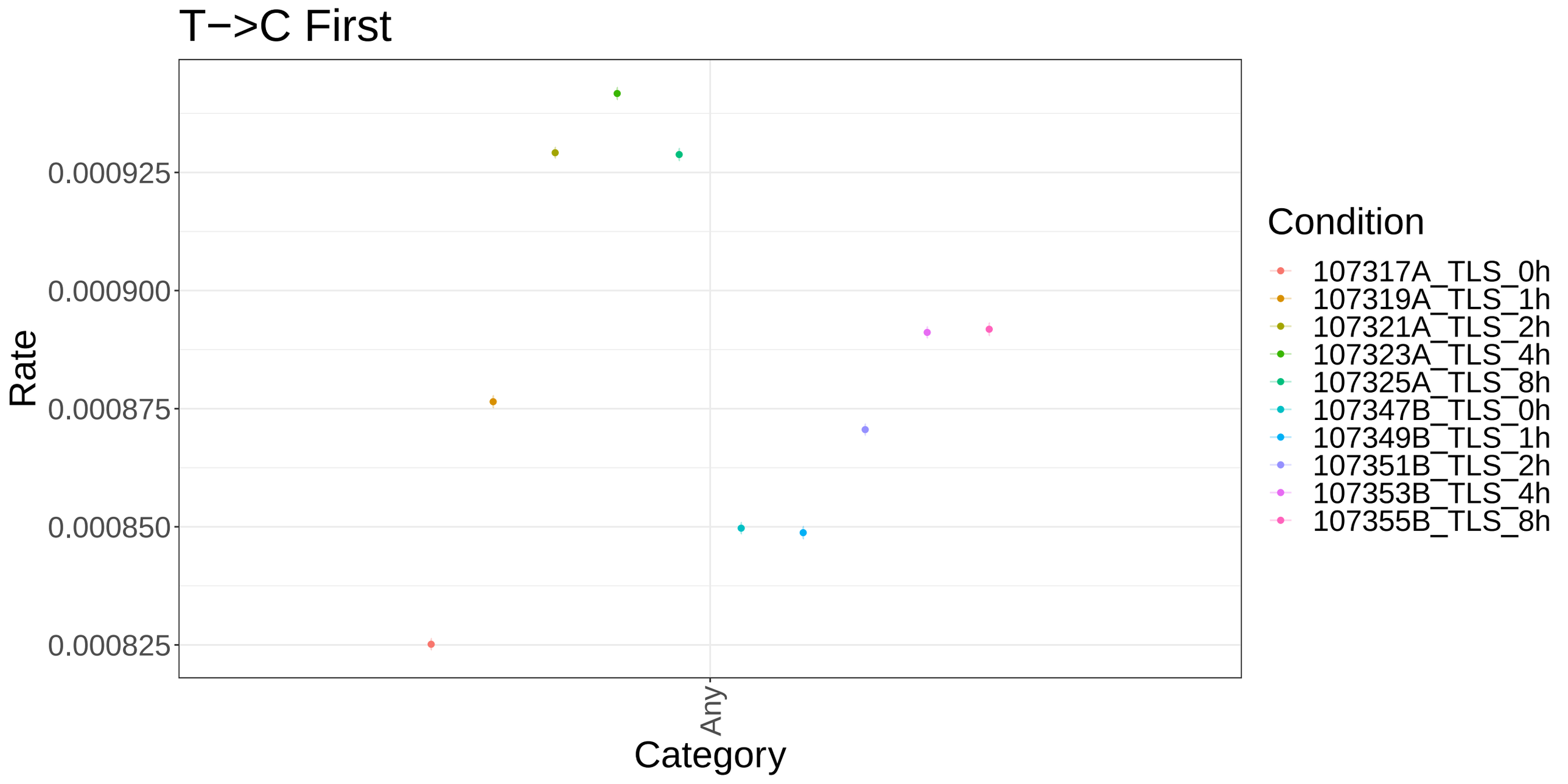
0.0017
0.0015
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


T−>C First
Rate
0.000925
0.000900
0.000875
0.000850
0.000825
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
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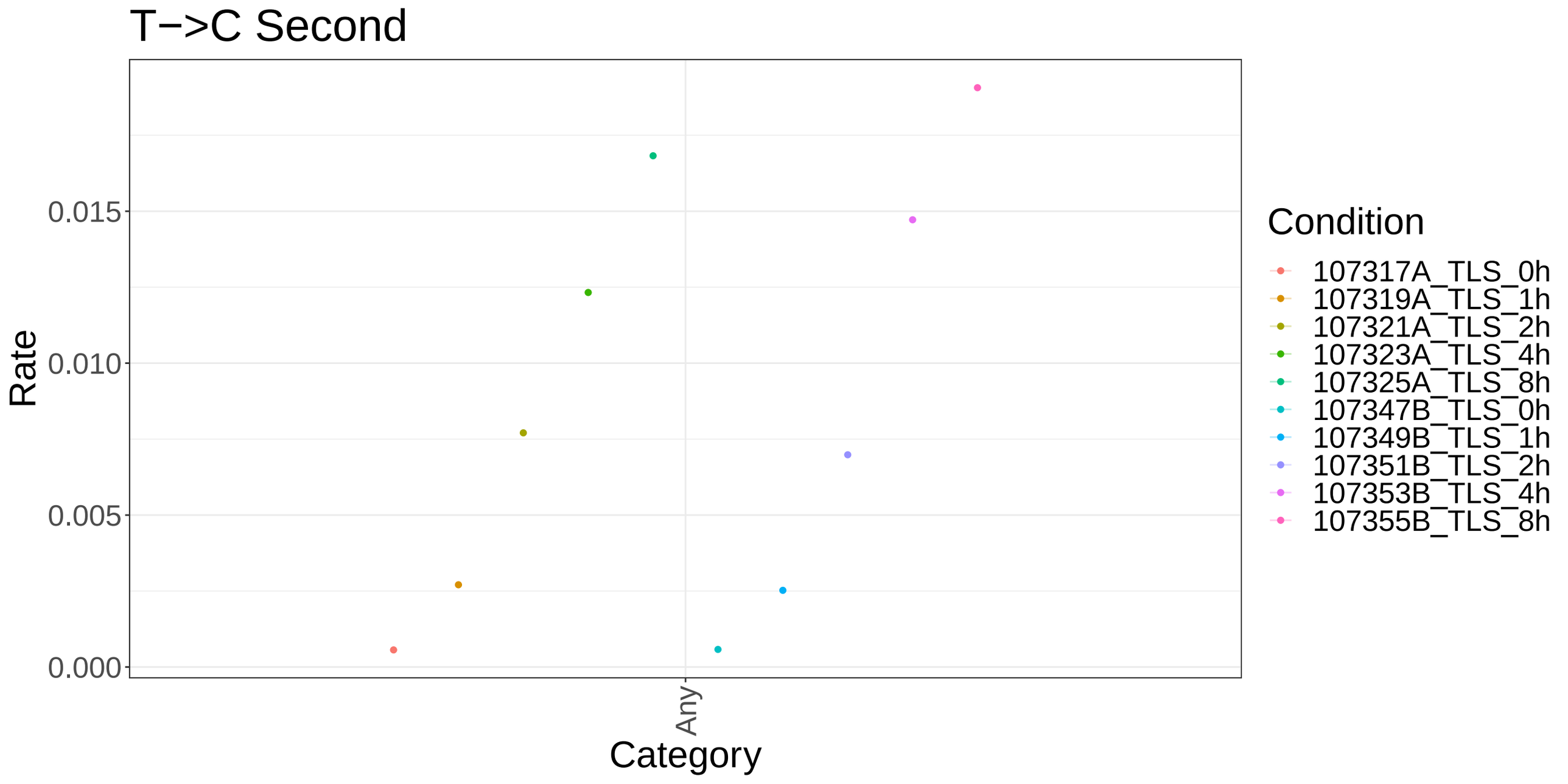
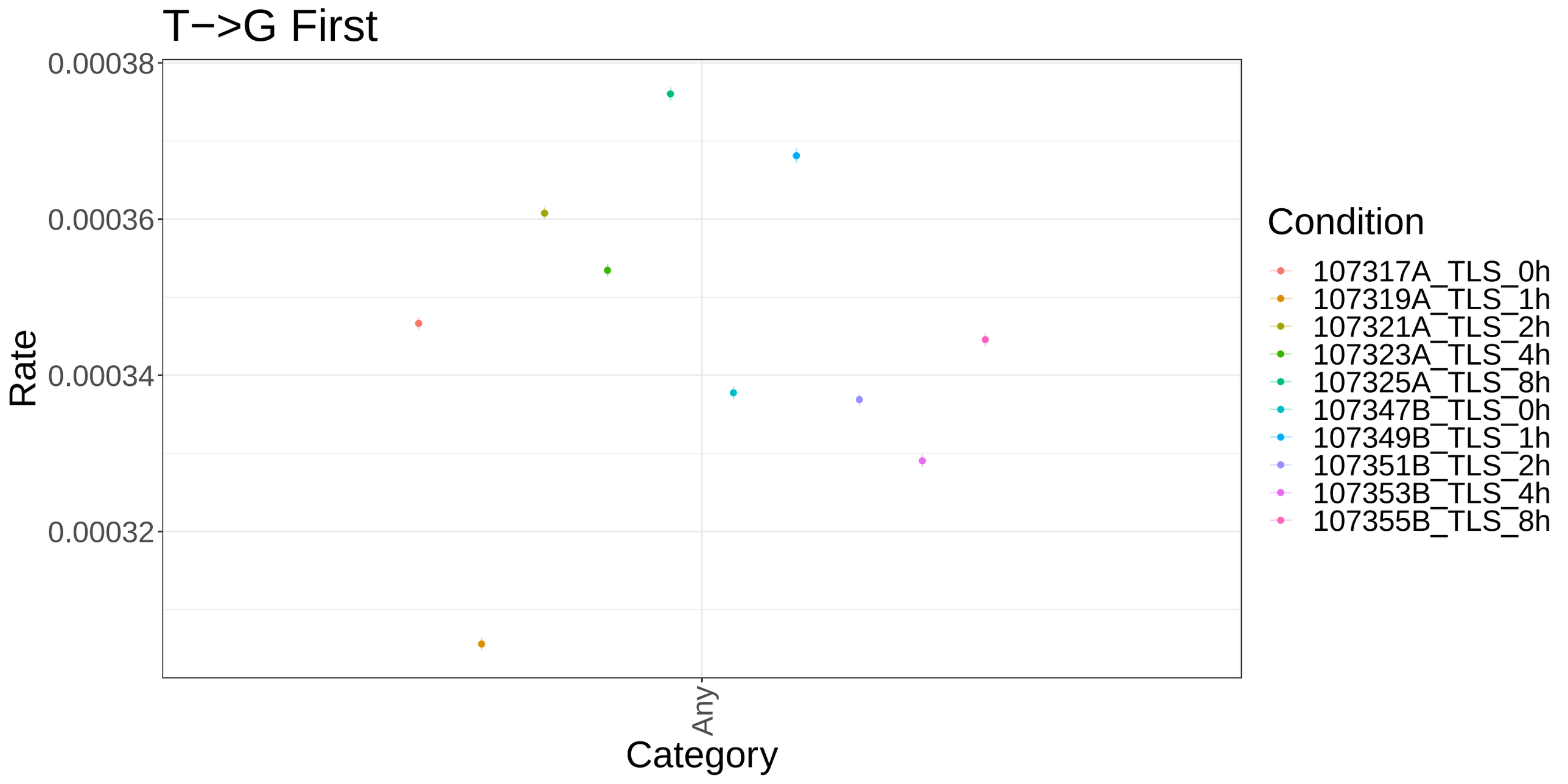
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


T−>C Second
Rate
0.015
0.010
0.005
0.000
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h


T−>G First
0.00038
0.00036
0.00034
0.00032
Rate
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
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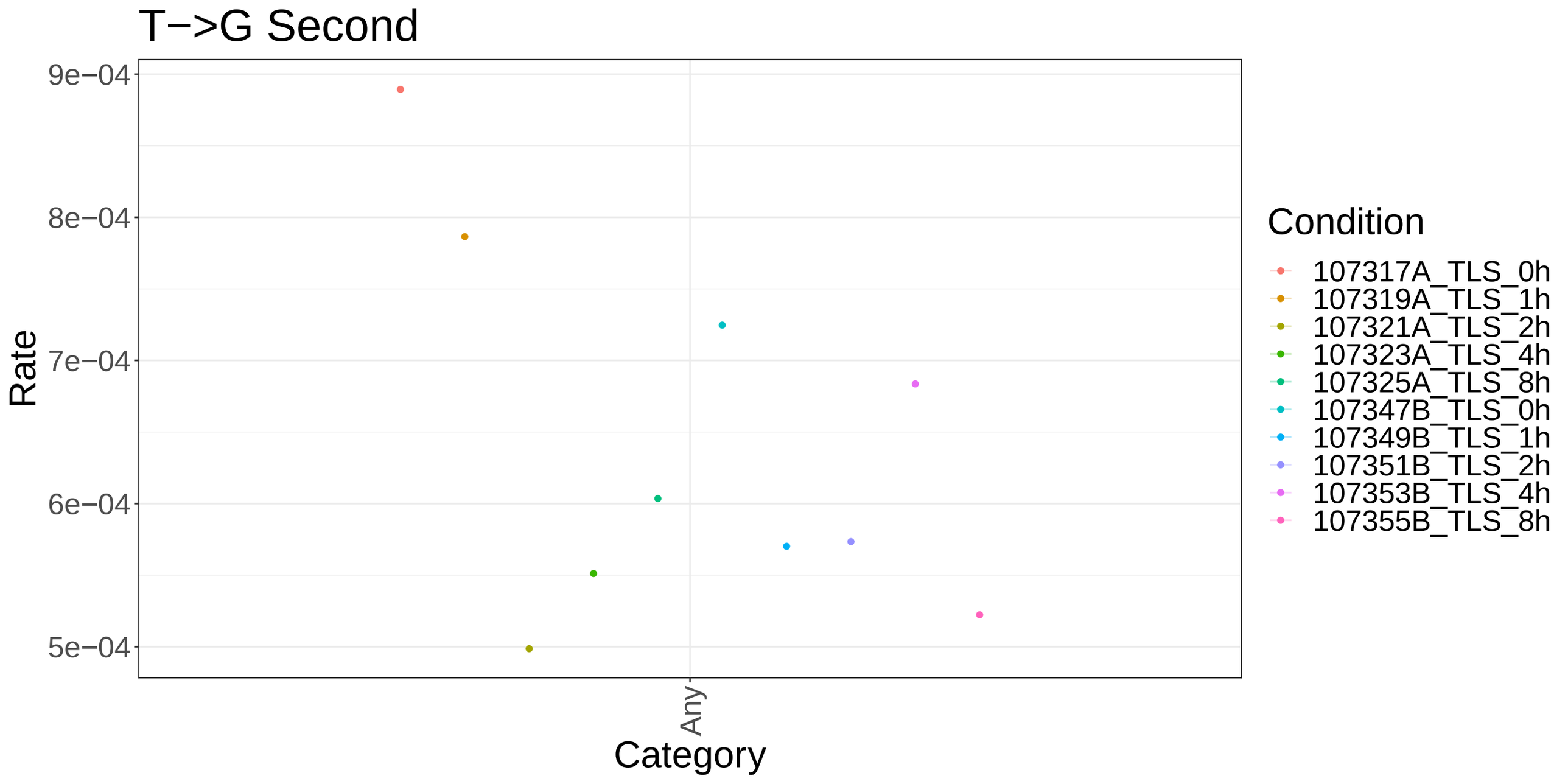
107355B_TLS_8h


T−>G Second
9e−04
8e−04
7e−04
6e−04
5e−04
Rate
Any
Category
Condition
107317A_TLS_0h
107319A_TLS_1h
107321A_TLS_2h
107323A_TLS_4h
107325A_TLS_8h
107347B_TLS_0h
107349B_TLS_1h
107351B_TLS_2h
107353B_TLS_4h
107355B_TLS_8h