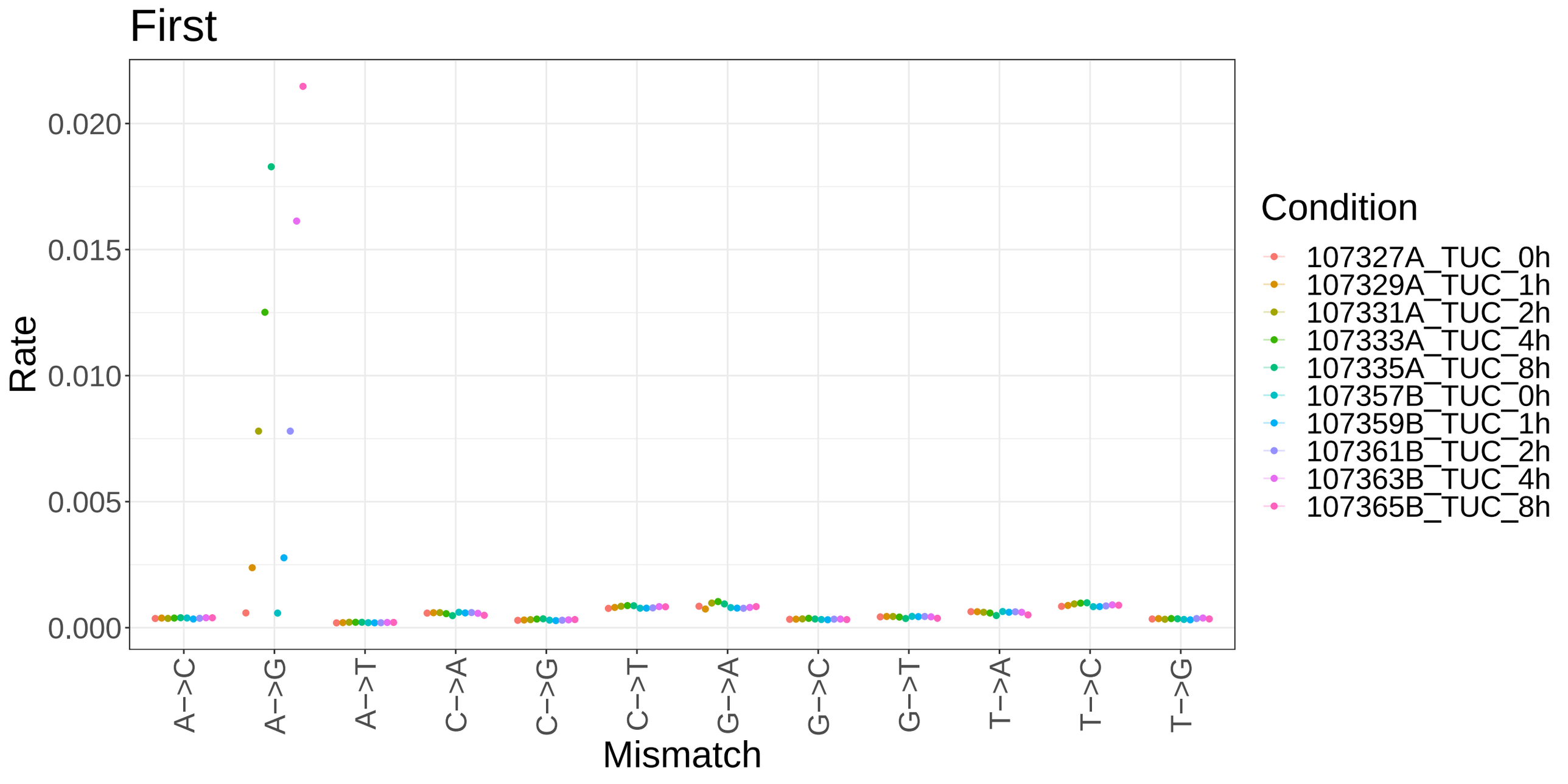
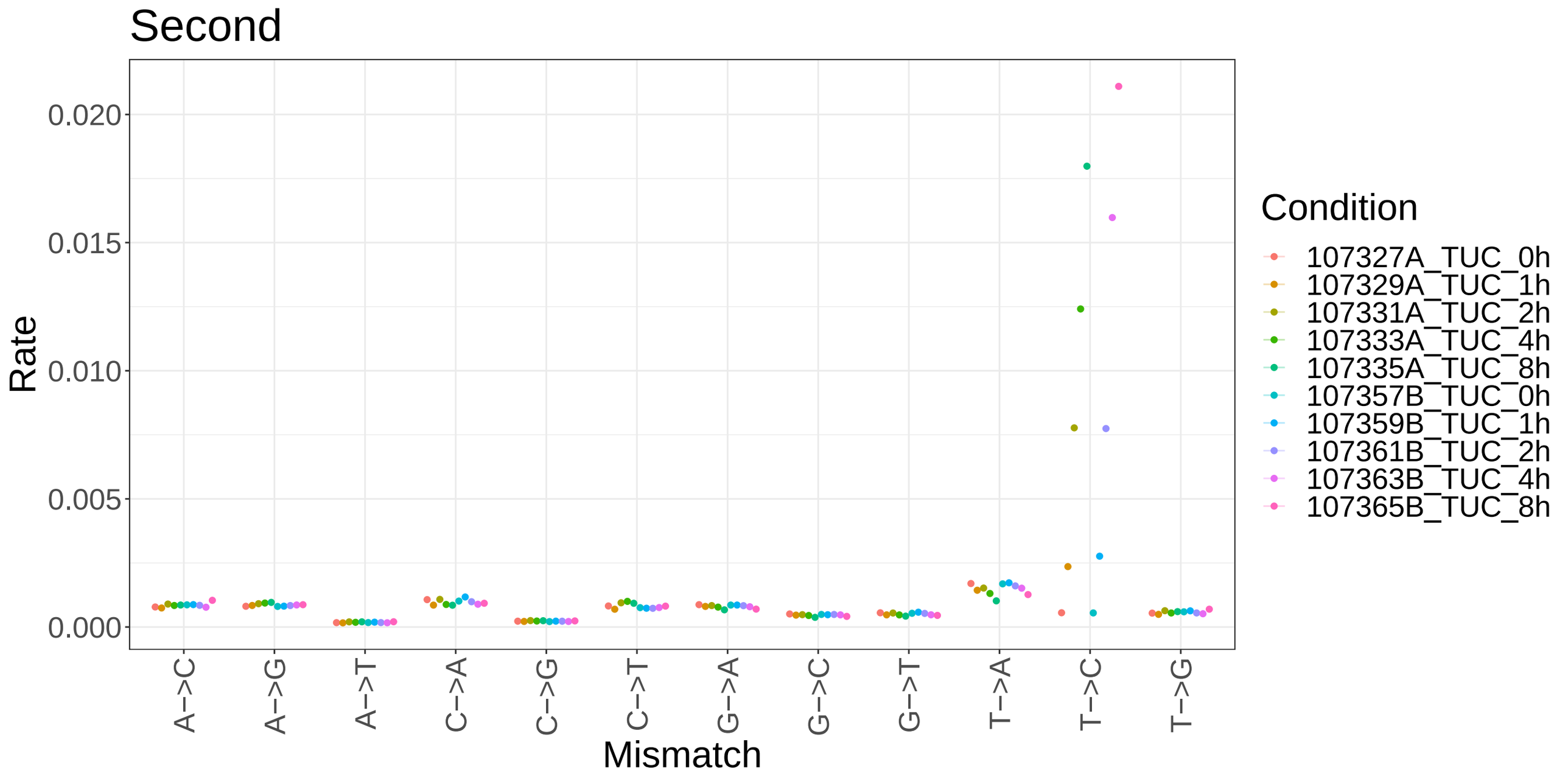

First
Rate
0.020
0.015
0.010
0.005
0.000
A−>C
A−>G
A−>T
C−>A
C−>G
C−>T
G−>A
G−>C
G−>T
T−>A
T−>C
T−>G
Mismatch
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
107357B_TUC_0h
107359B_TUC_1h
107361B_TUC_2h
107363B_TUC_4h
107365B_TUC_8h


Second
Rate
0.020
0.015
0.010
0.005
0.000
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
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
107357B_TUC_0h
107359B_TUC_1h
107361B_TUC_2h
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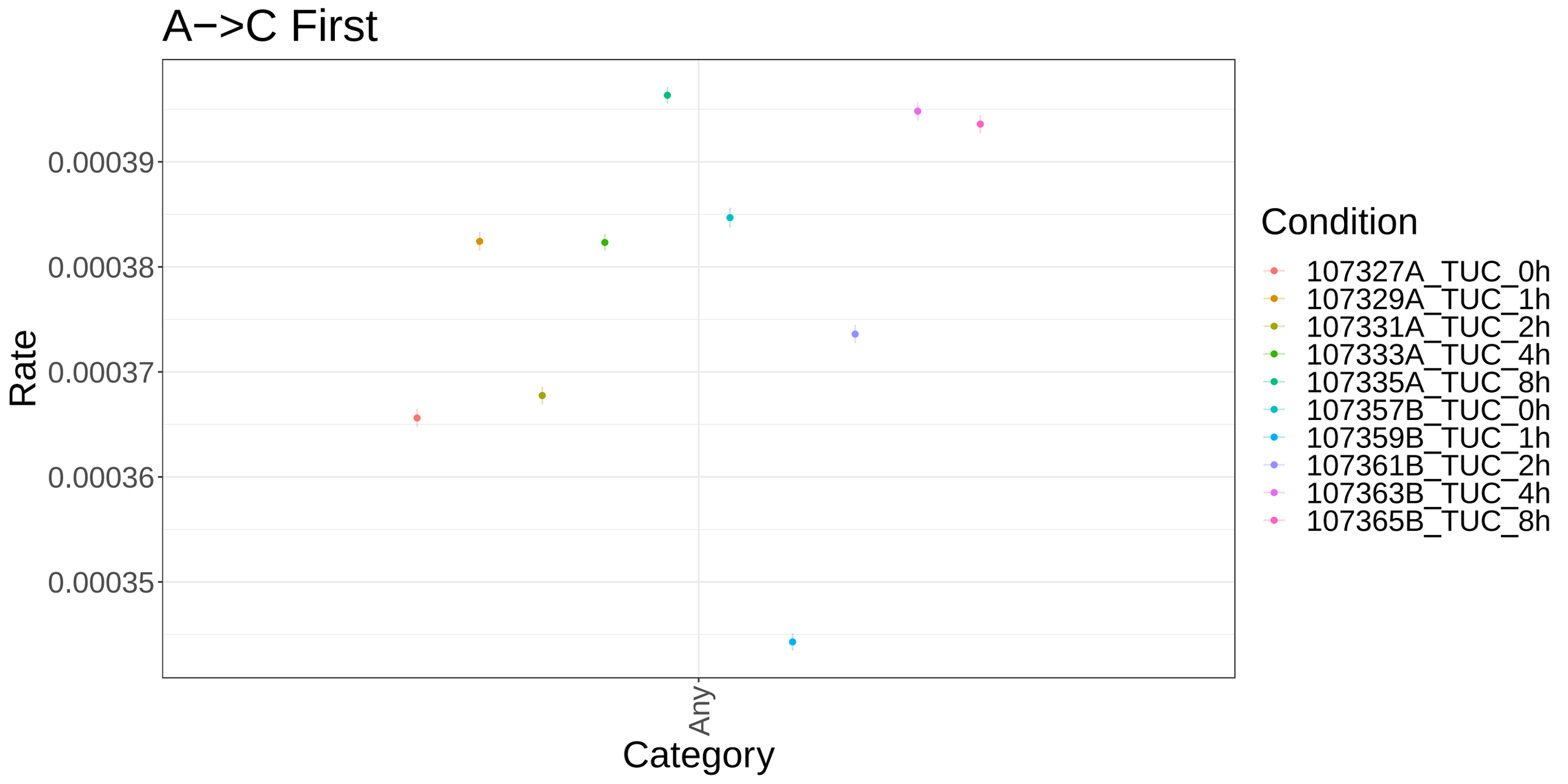
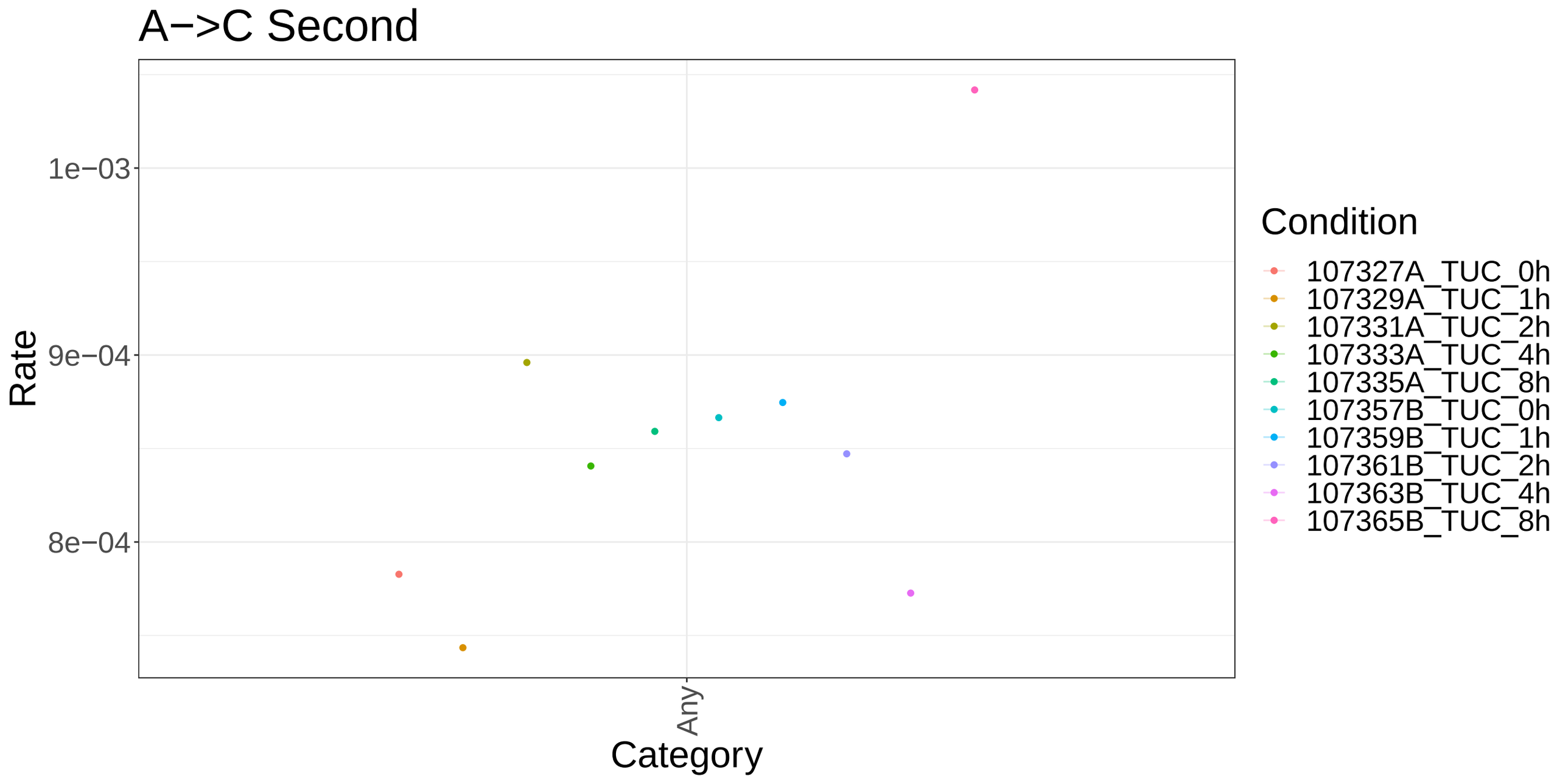
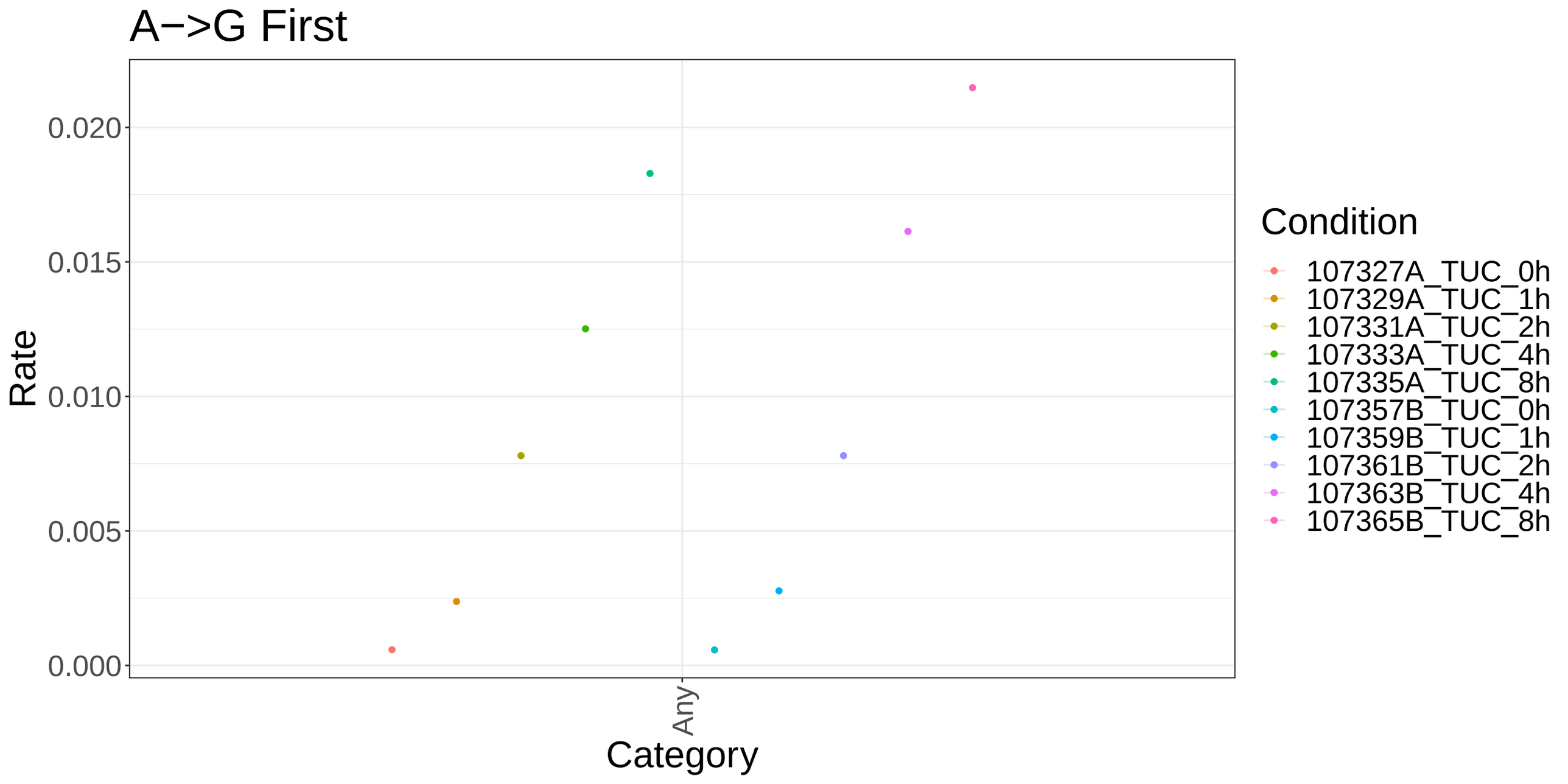
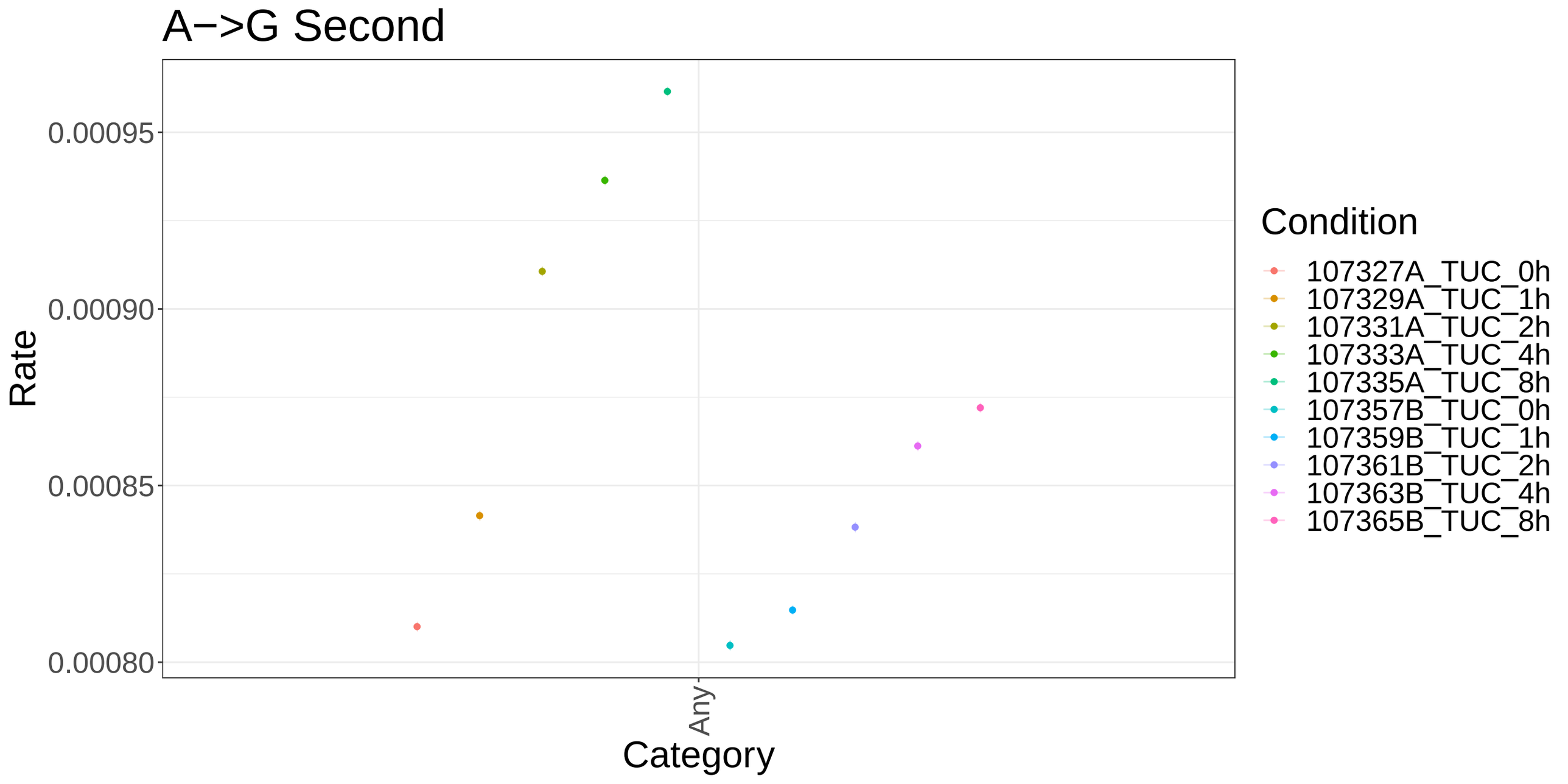
107365B_TUC_8h


A−>C First
Rate
0.00039
0.00038
0.00037
0.00036
0.00035
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
107357B_TUC_0h
107359B_TUC_1h
107361B_TUC_2h
107363B_TUC_4h
107365B_TUC_8h


A−>C Second
1e−03
9e−04
8e−04
Rate
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
107357B_TUC_0h
107359B_TUC_1h
107361B_TUC_2h
107363B_TUC_4h
107365B_TUC_8h


A−>G First
Rate
0.020
0.015
0.010
0.005
0.000
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
107357B_TUC_0h
107359B_TUC_1h
107361B_TUC_2h
107363B_TUC_4h
107365B_TUC_8h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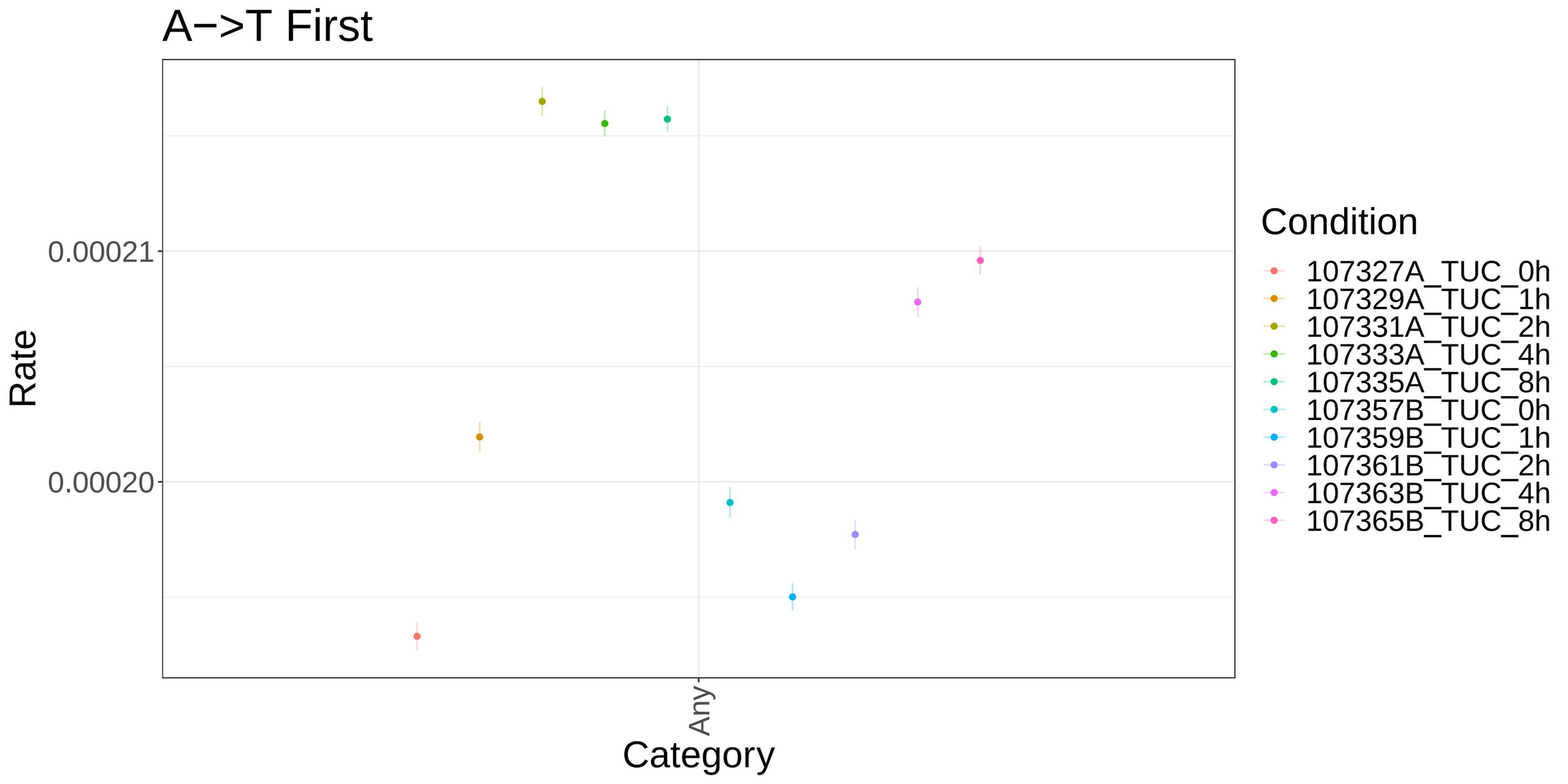
0.00095
0.00090
0.00085
0.00080
Rate
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
107357B_TUC_0h
107359B_TUC_1h
107361B_TUC_2h
107363B_TUC_4h
107365B_TUC_8h


A−>T First
Rate
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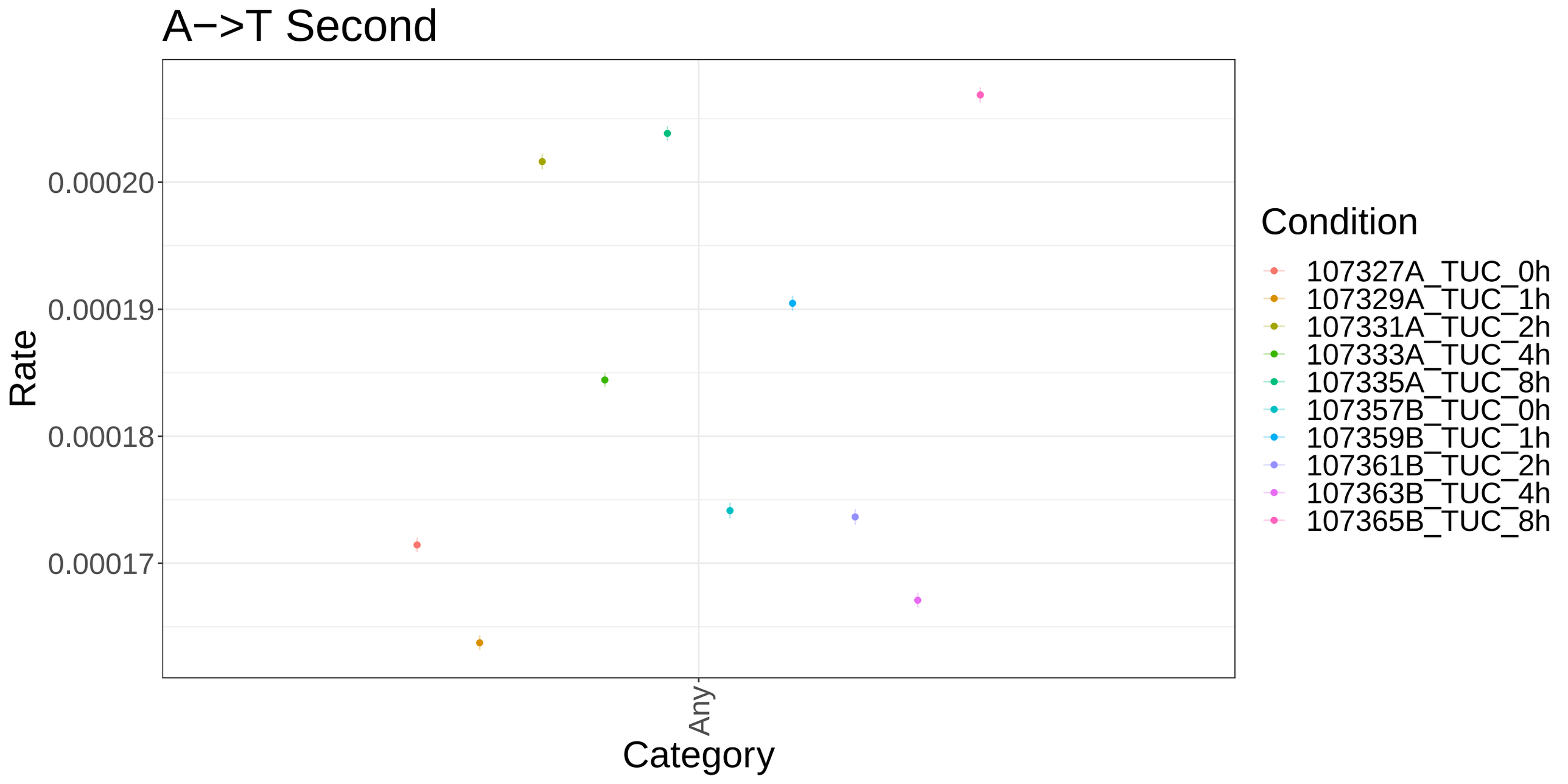
0.00020
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
107357B_TUC_0h
107359B_TUC_1h
107361B_TUC_2h
107363B_TUC_4h
107365B_TUC_8h


A−>T Second
Rate
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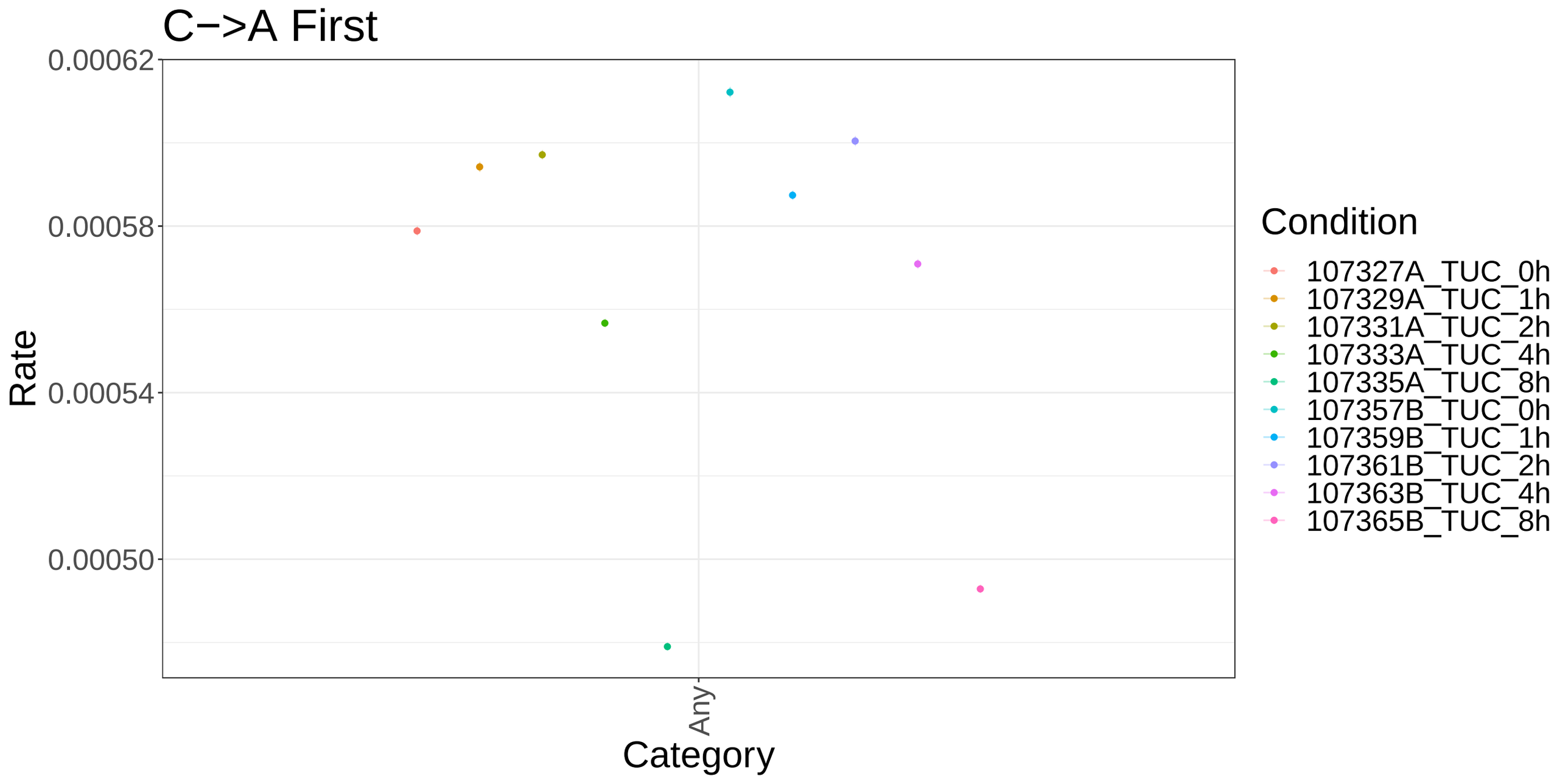
0.00019
0.00018
0.00017
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
107357B_TUC_0h
107359B_TUC_1h
107361B_TUC_2h
107363B_TUC_4h
107365B_TUC_8h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0.00062
0.00058
0.00054
0.00050
Rate
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
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107359B_TUC_1h
107361B_TUC_2h
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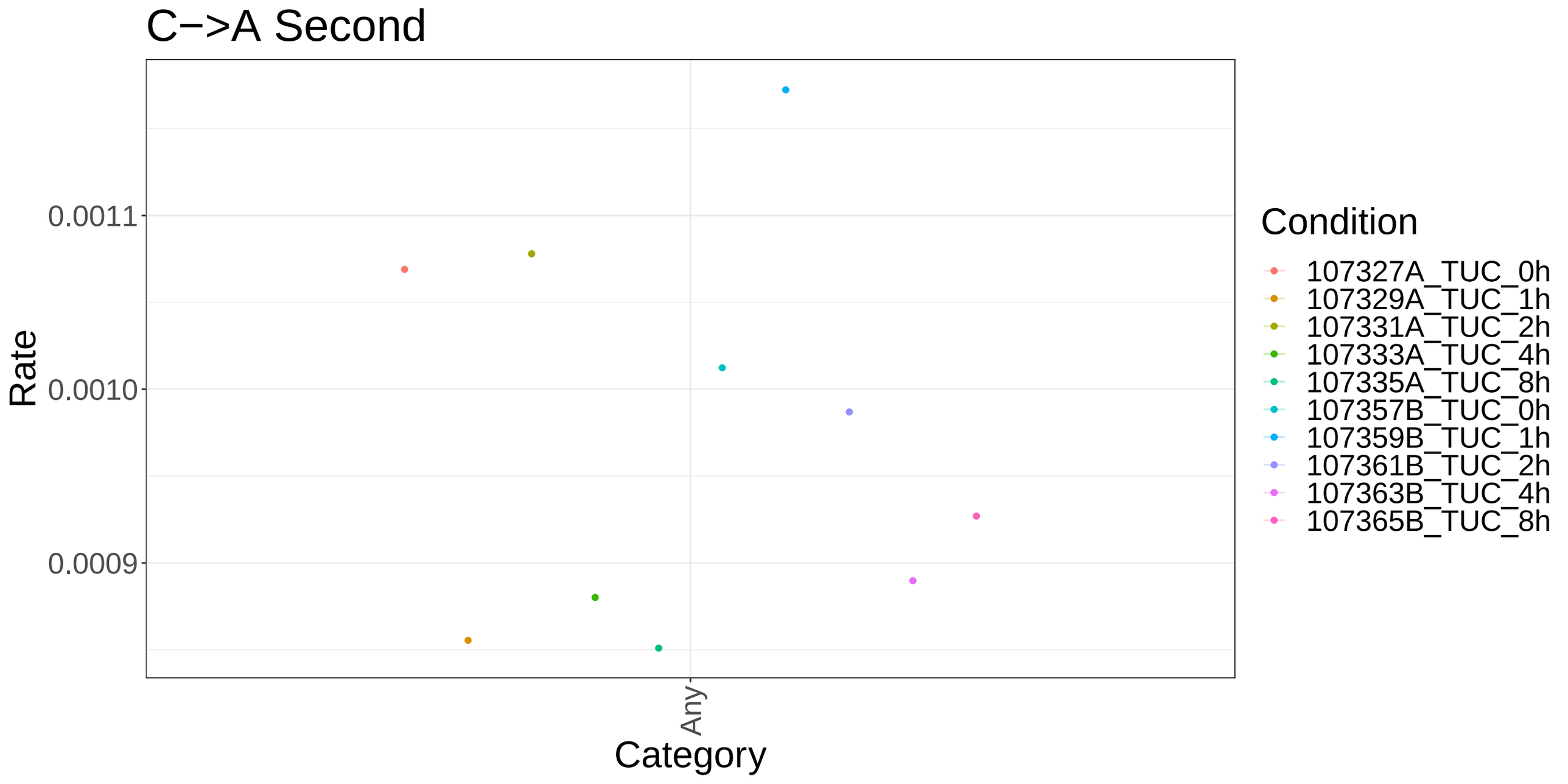
107365B_TUC_8h


C−>A Second
0.0011
0.0010
0.0009
Rate
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
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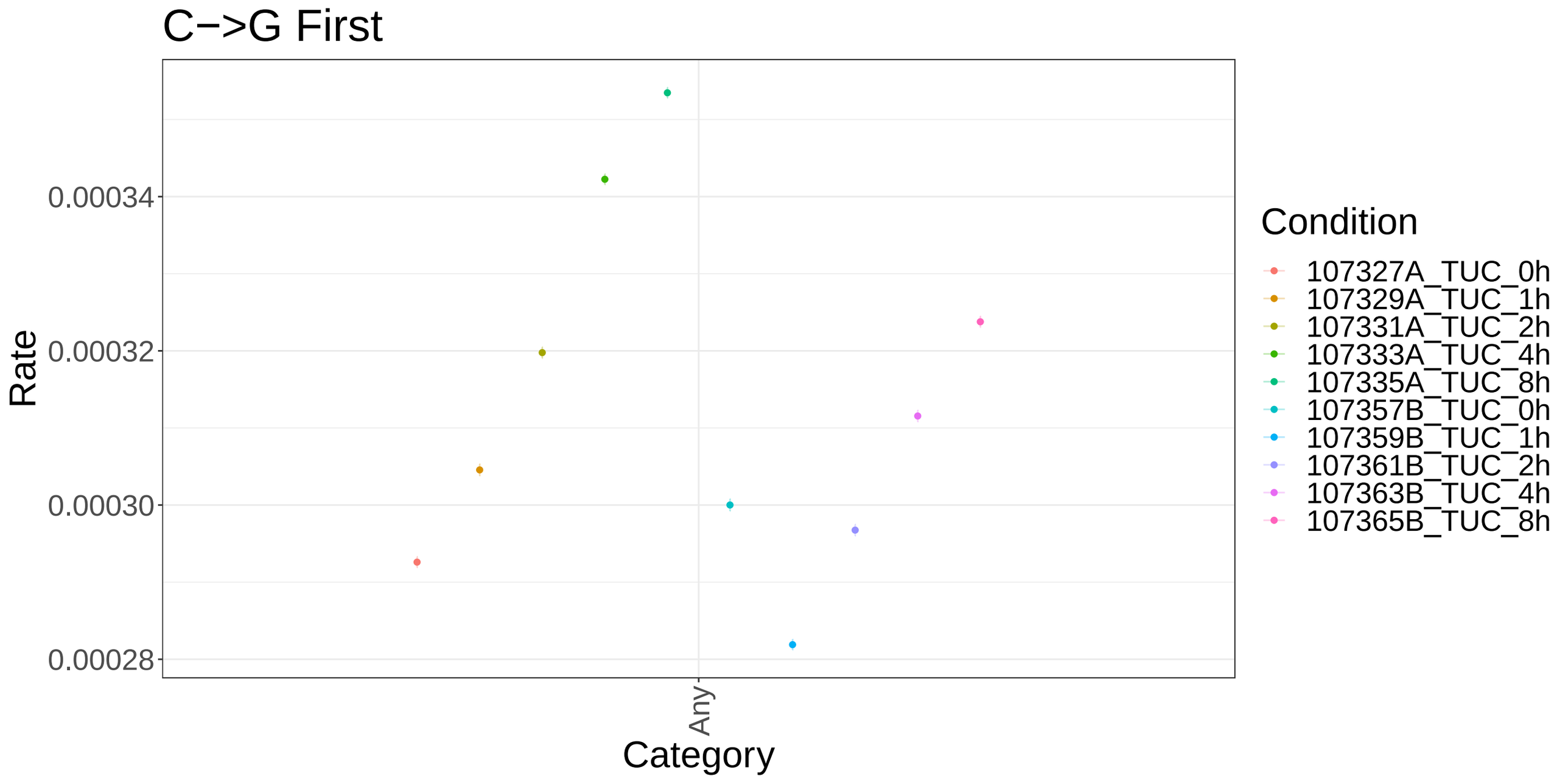
107333A_TUC_4h
107335A_TUC_8h
107357B_TUC_0h
107359B_TUC_1h
107361B_TUC_2h
107363B_TUC_4h
107365B_TUC_8h


C−>G First
Rate
0.00034
0.00032
0.00030
0.00028
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
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107359B_TUC_1h
107361B_TUC_2h
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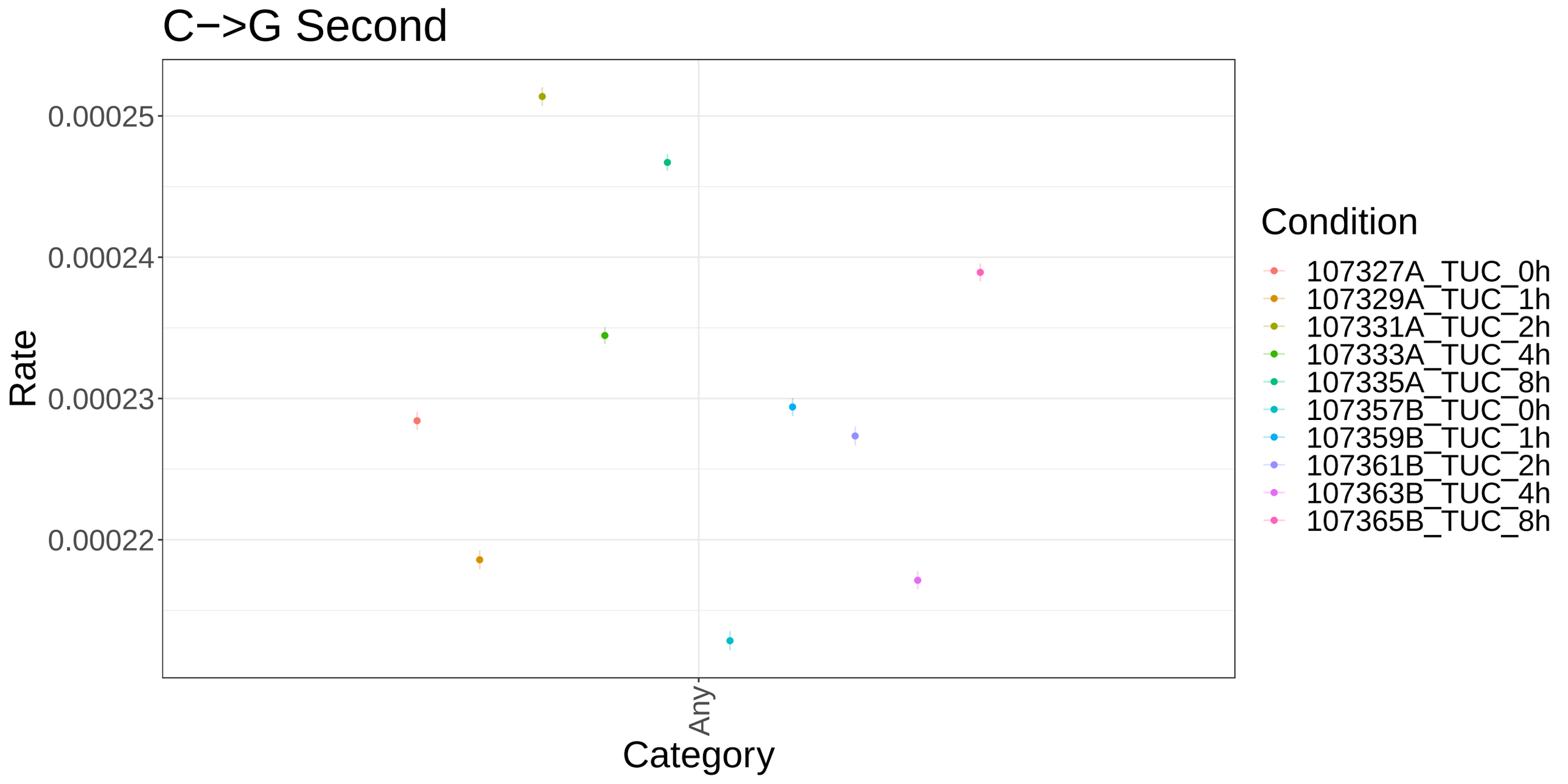
107365B_TUC_8h


C−>G Second
Rate
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0.00024
0.00023
0.00022
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
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107359B_TUC_1h
107361B_TUC_2h
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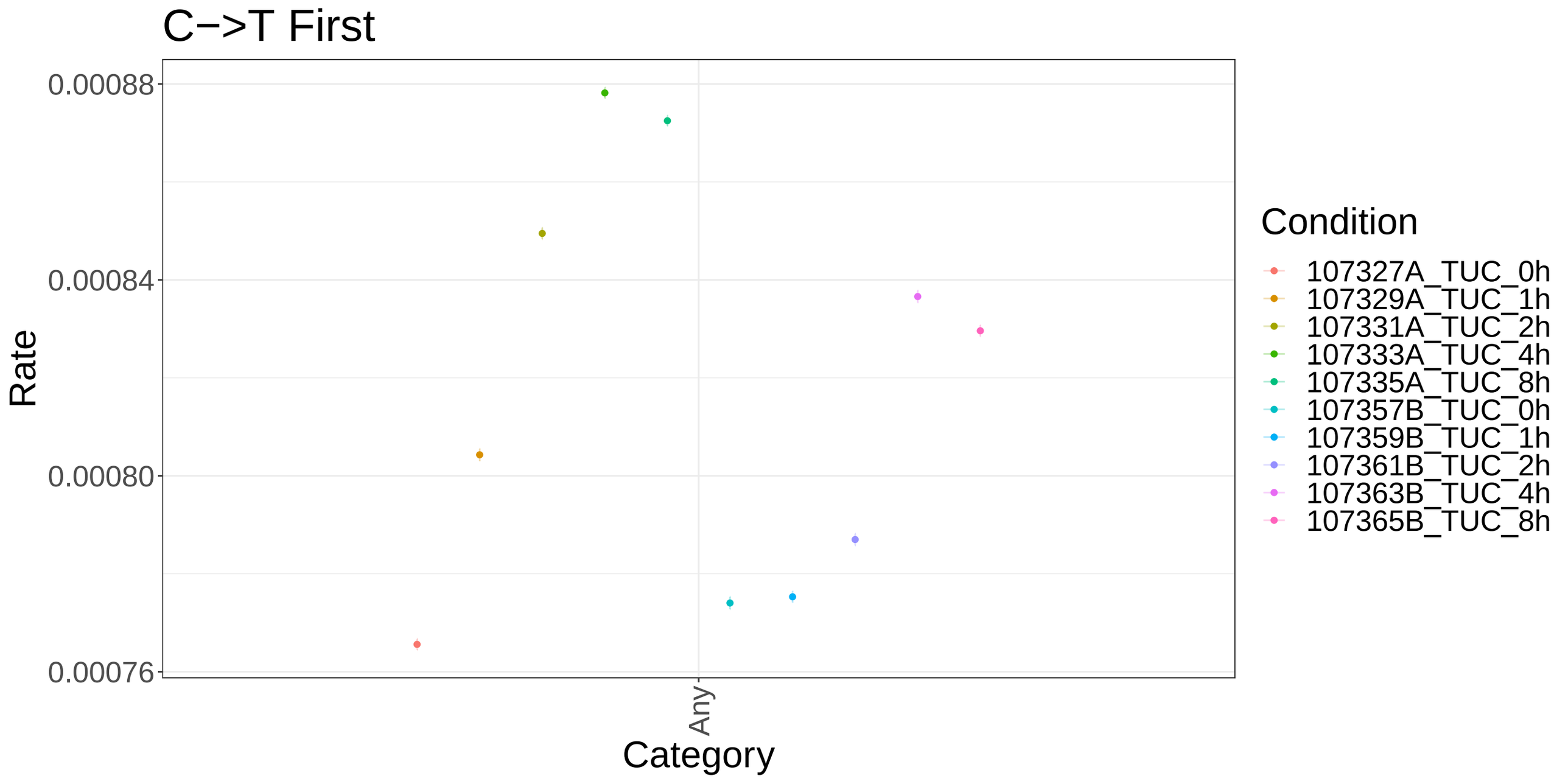
107365B_TUC_8h


C−>T First
0.00088
0.00084
0.00080
0.00076
Rate
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
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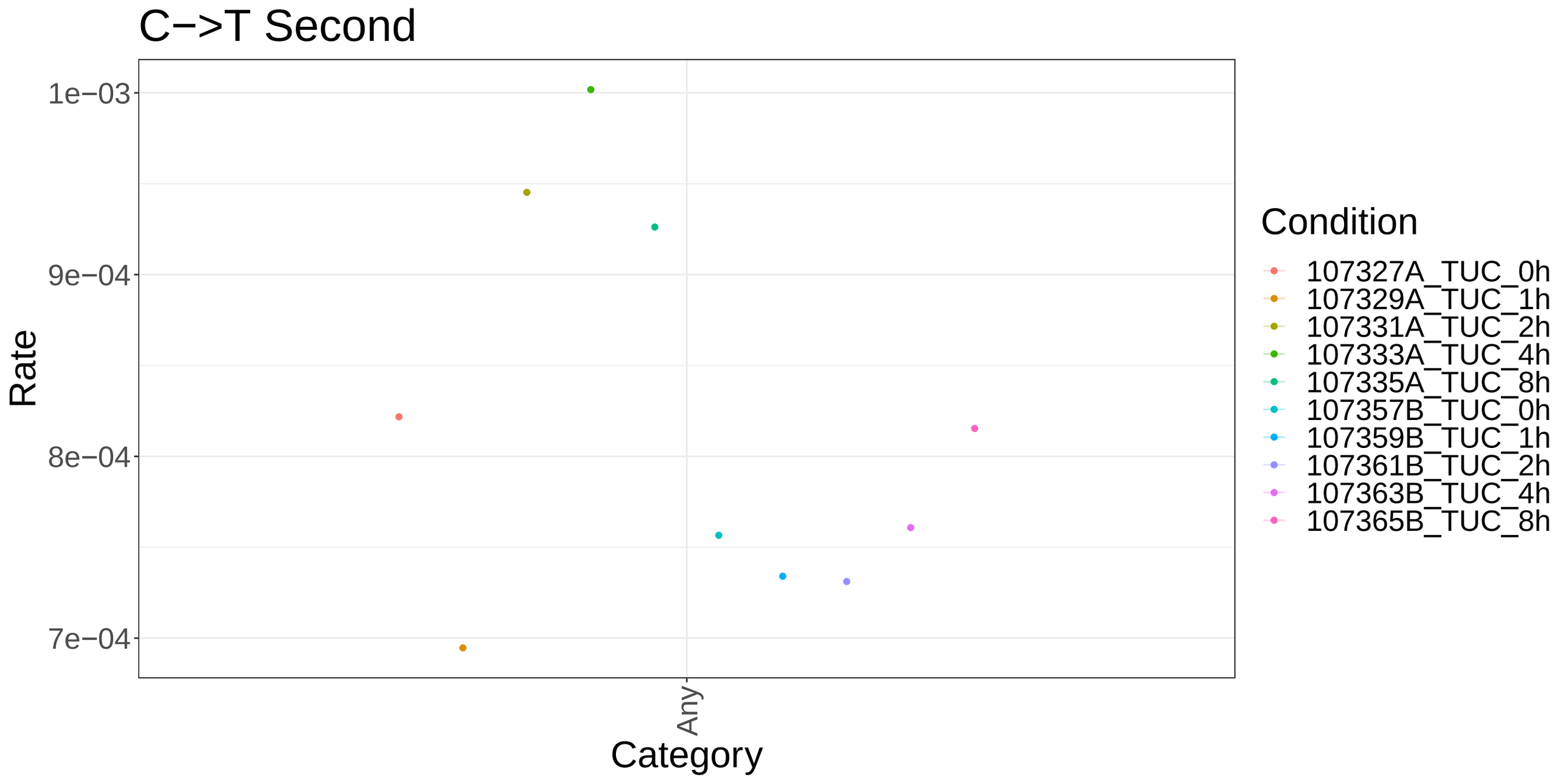
107333A_TUC_4h
107335A_TUC_8h
107357B_TUC_0h
107359B_TUC_1h
107361B_TUC_2h
107363B_TUC_4h
107365B_TUC_8h


C−>T Second
1e−03
9e−04
8e−04
7e−04
Rate
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
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107359B_TUC_1h
107361B_TUC_2h
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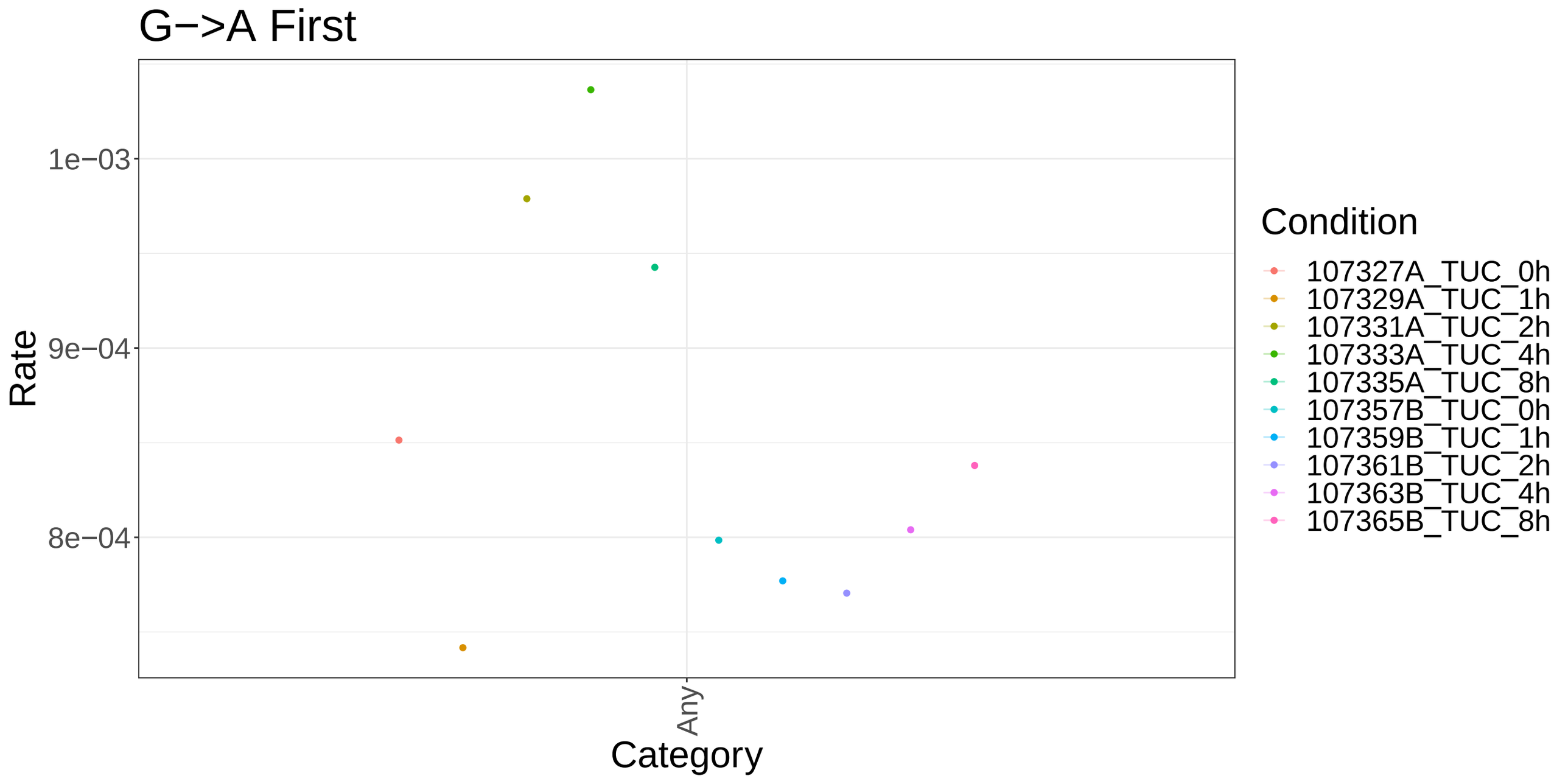
107365B_TUC_8h


G−>A First
1e−03
9e−04
8e−04
Rate
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
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107333A_TUC_4h
107335A_TUC_8h
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107359B_TUC_1h
107361B_TUC_2h
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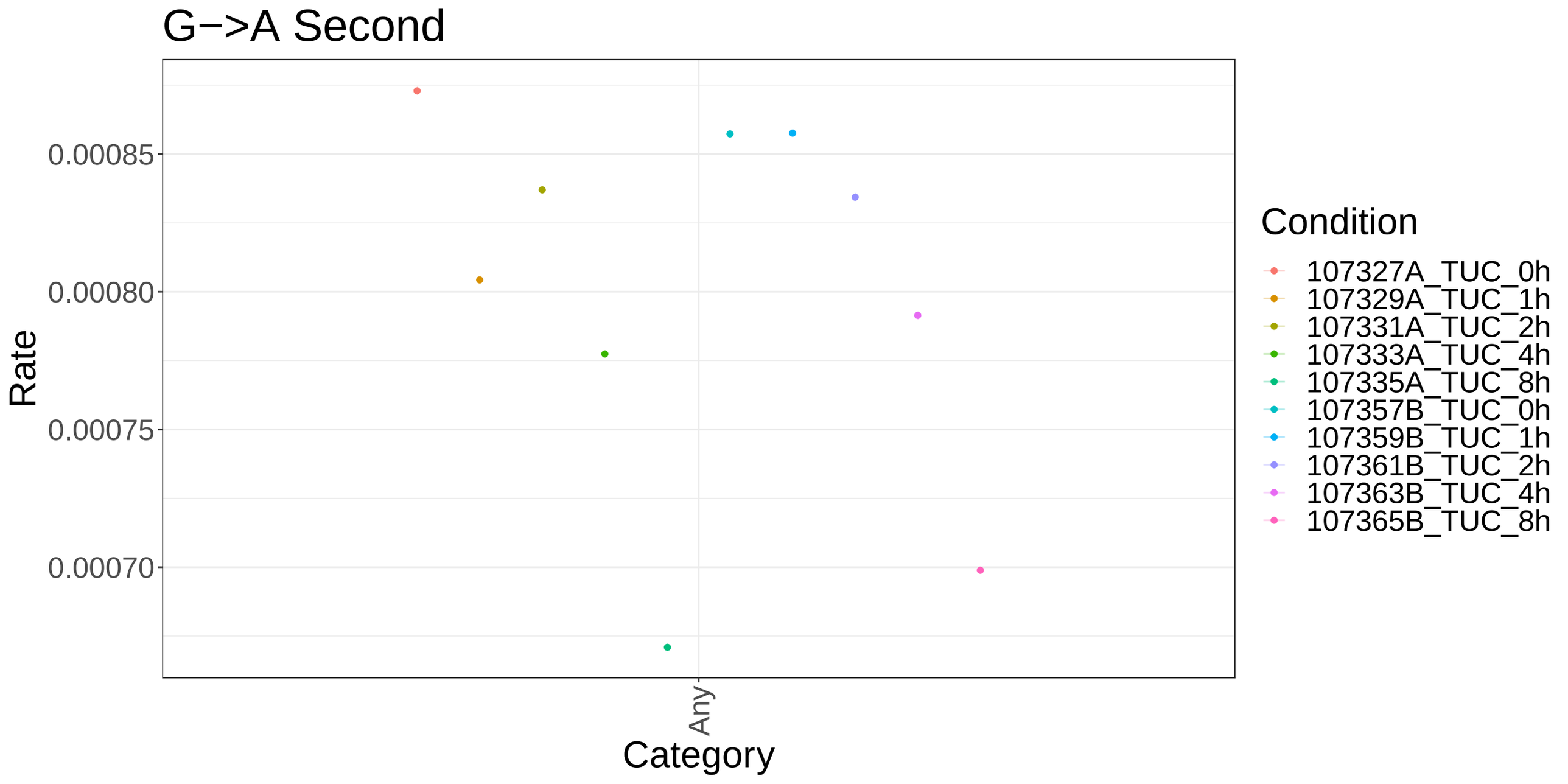
107365B_TUC_8h


G−>A Second
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0.00080
0.00075
0.00070
Rate
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
107357B_TUC_0h
107359B_TUC_1h
107361B_TUC_2h
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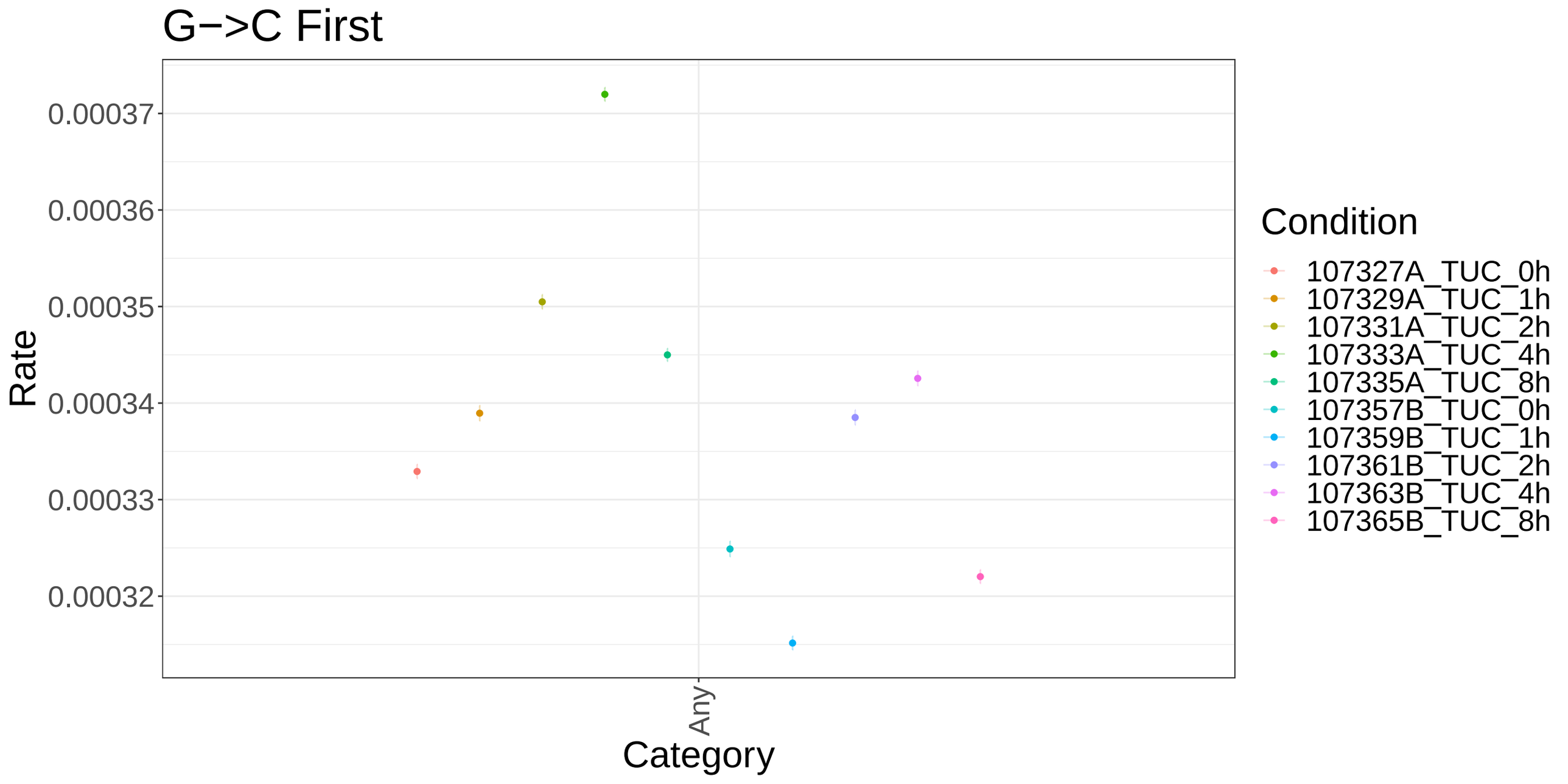
107365B_TUC_8h


G−>C First
Rate
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0.00036
0.00035
0.00034
0.00033
0.00032
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
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107359B_TUC_1h
107361B_TUC_2h
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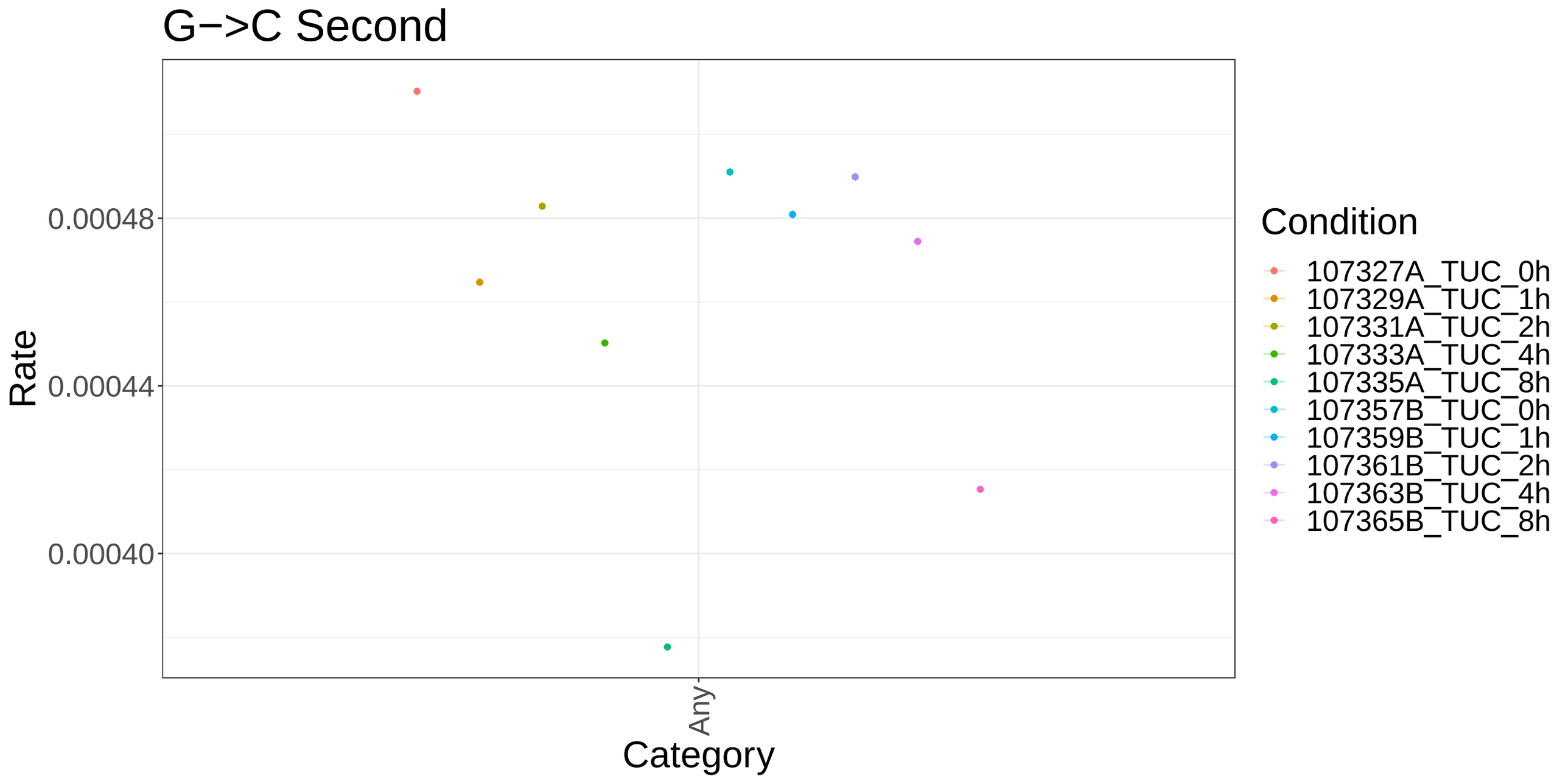
107365B_TUC_8h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Rate
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0.00044
0.00040
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
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107333A_TUC_4h
107335A_TUC_8h
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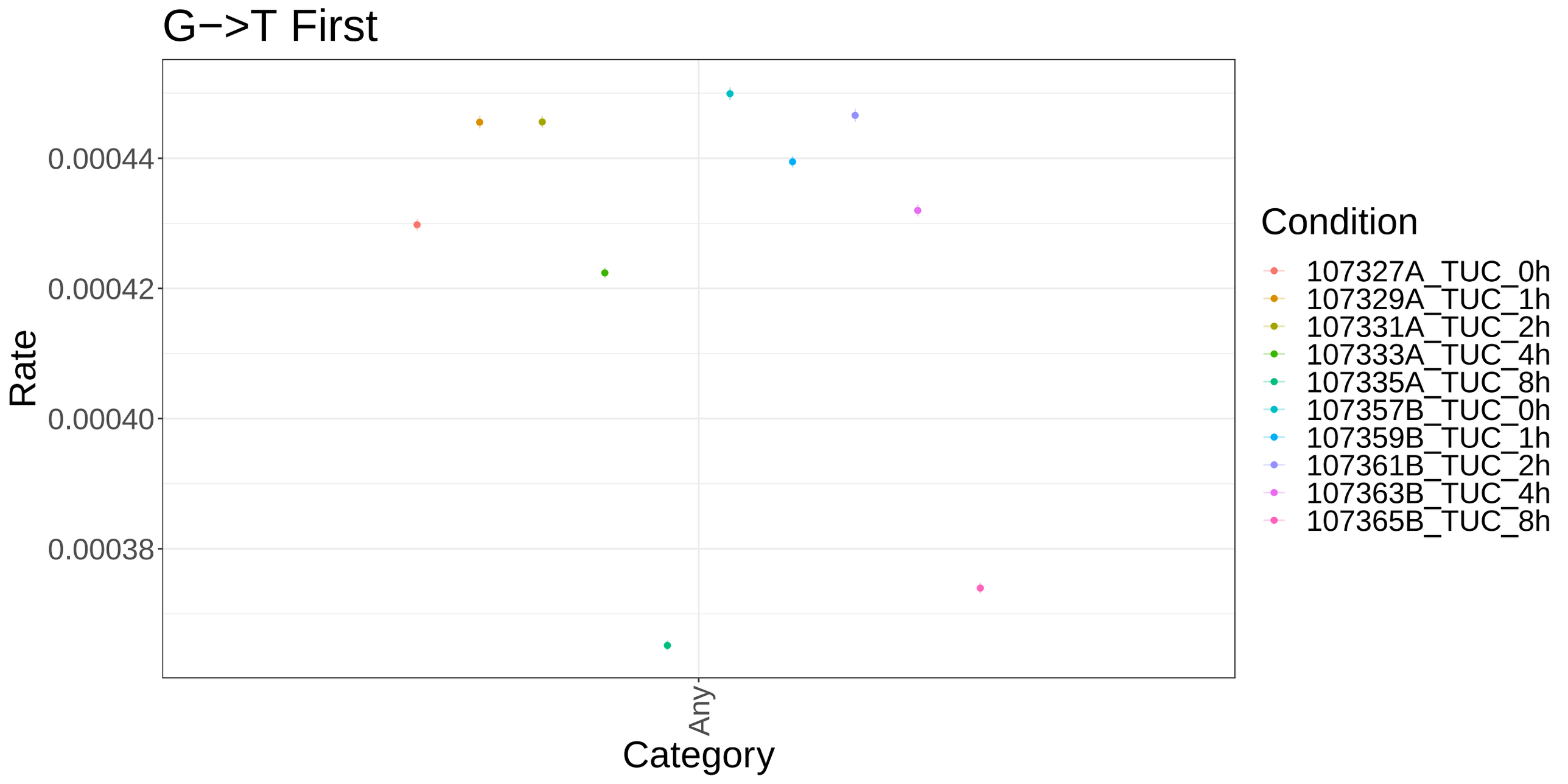
107359B_TUC_1h
107361B_TUC_2h
107363B_TUC_4h
107365B_TUC_8h


G−>T First
0.00044
0.00042
0.00040
0.00038
Rate
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
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107359B_TUC_1h
107361B_TUC_2h
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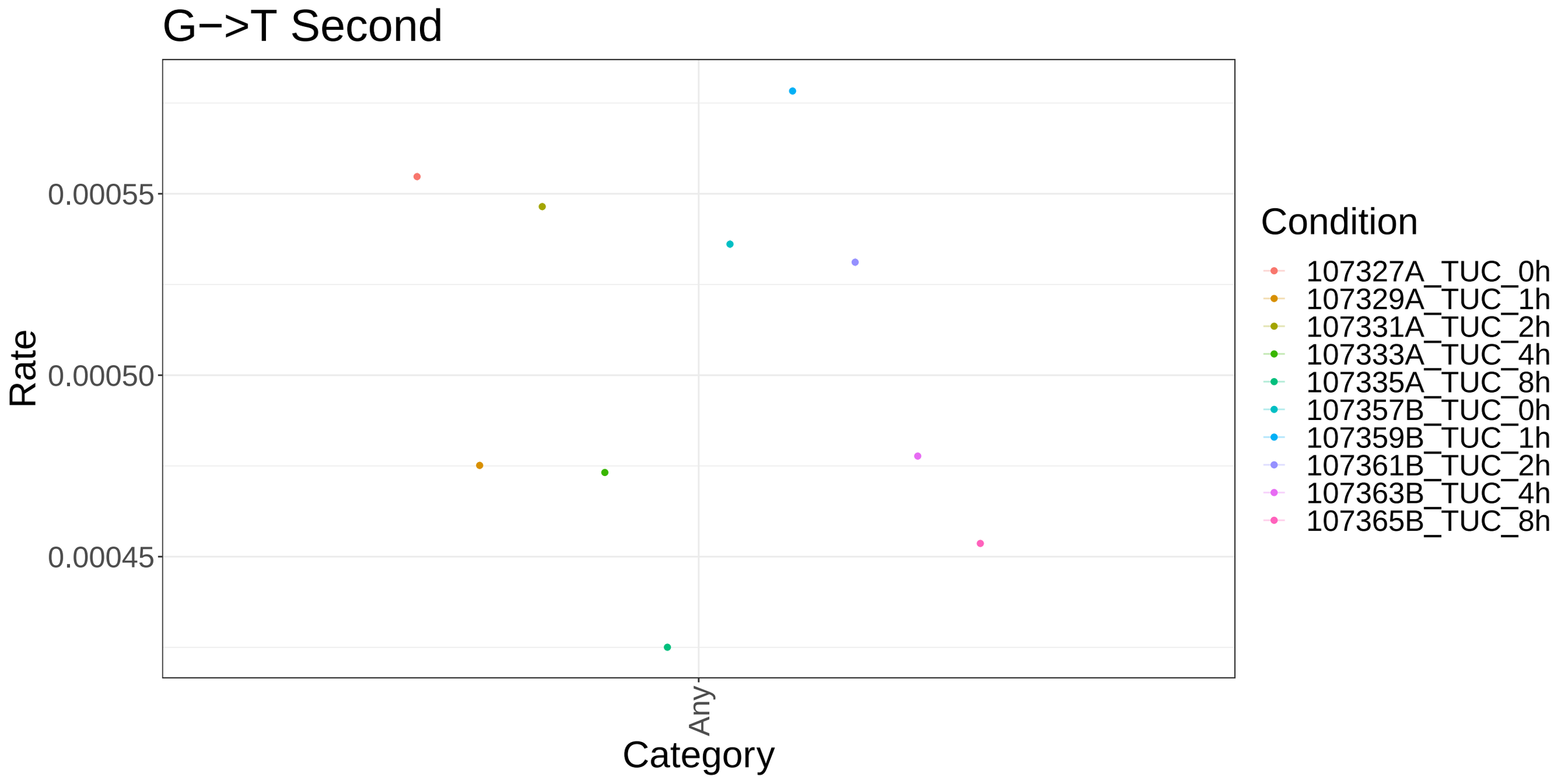
107365B_TUC_8h


G−>T Second
Rate
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0.00050
0.00045
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
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107359B_TUC_1h
107361B_TUC_2h
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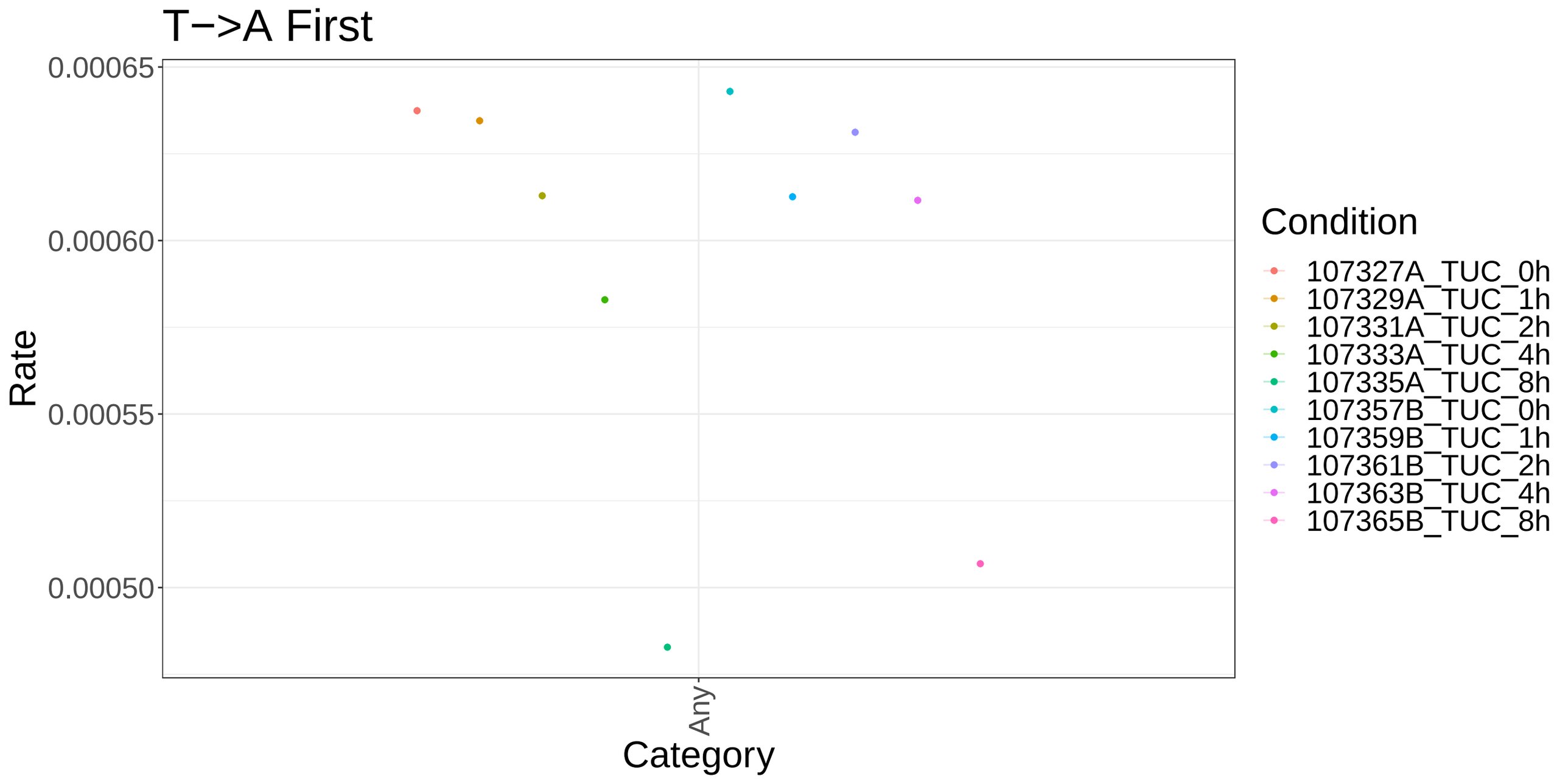
107365B_TUC_8h


T−>A First
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0.00060
0.00055
0.00050
Rate
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
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107333A_TUC_4h
107335A_TUC_8h
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107359B_TUC_1h
107361B_TUC_2h
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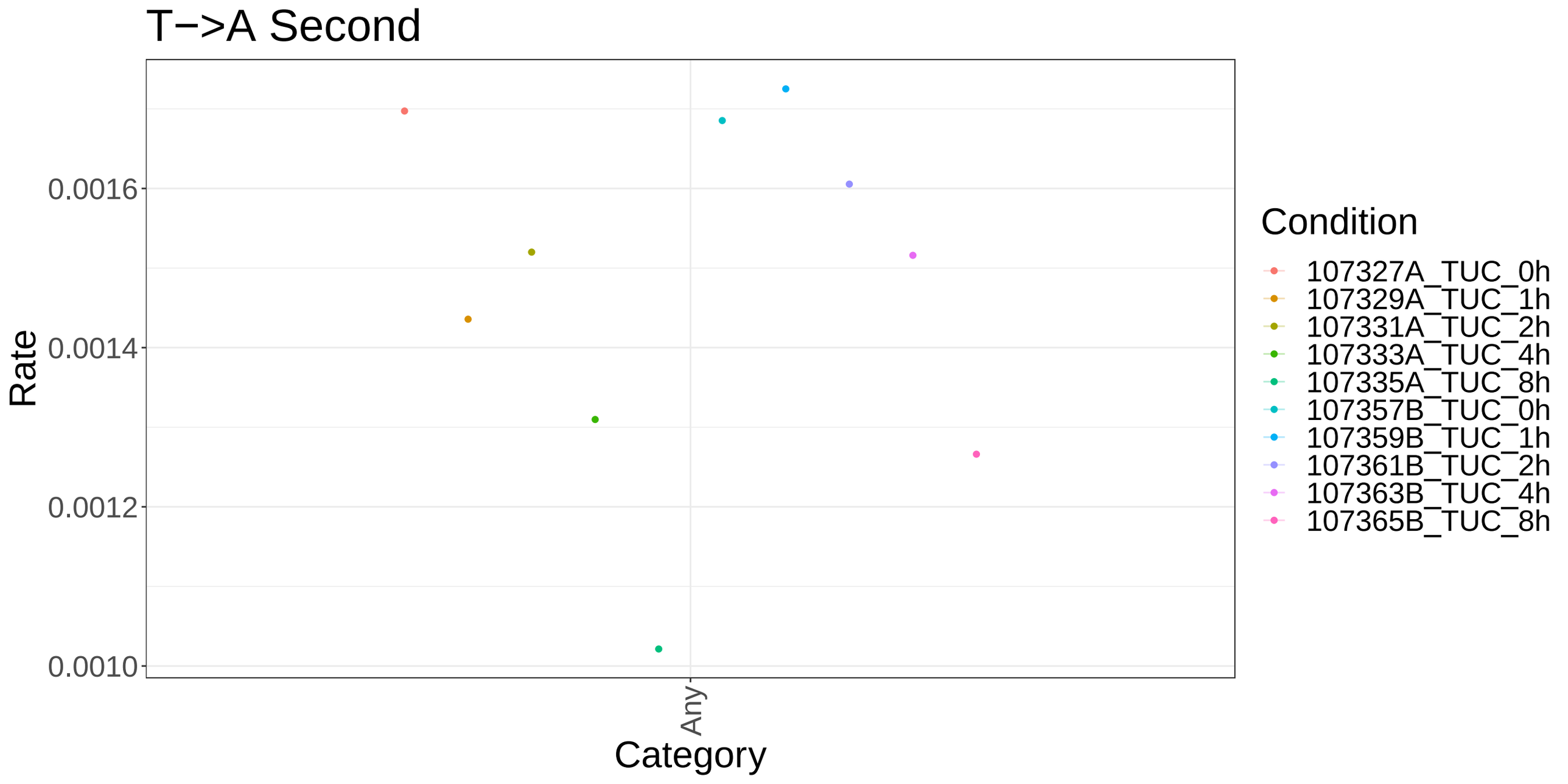
107365B_TUC_8h


T−>A Second
Rate
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0.0014
0.0012
0.0010
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
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107333A_TUC_4h
107335A_TUC_8h
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107359B_TUC_1h
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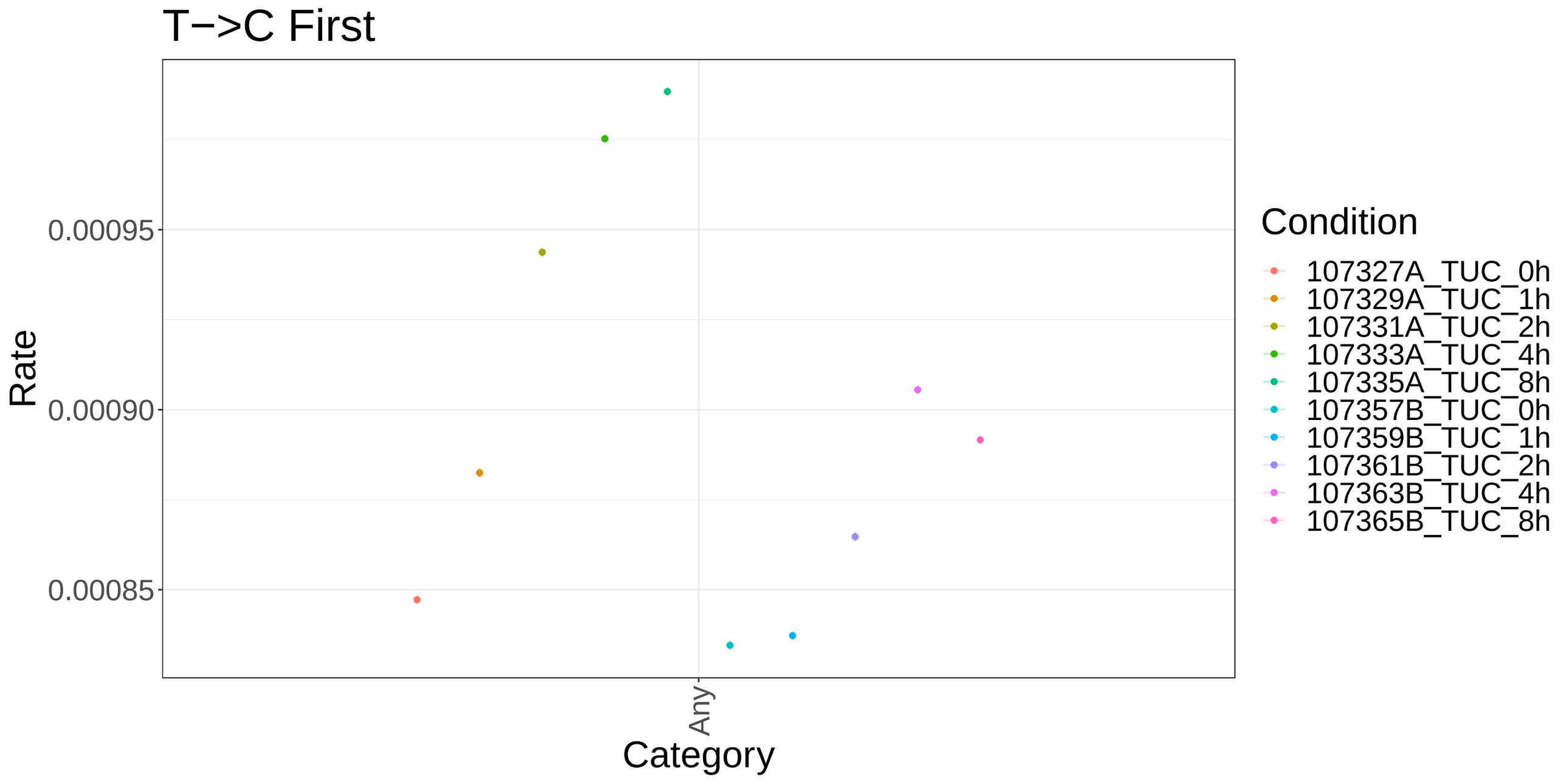
107365B_TUC_8h


T−>C First
Rate
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0.00090
0.00085
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
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107333A_TUC_4h
107335A_TUC_8h
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107361B_TUC_2h
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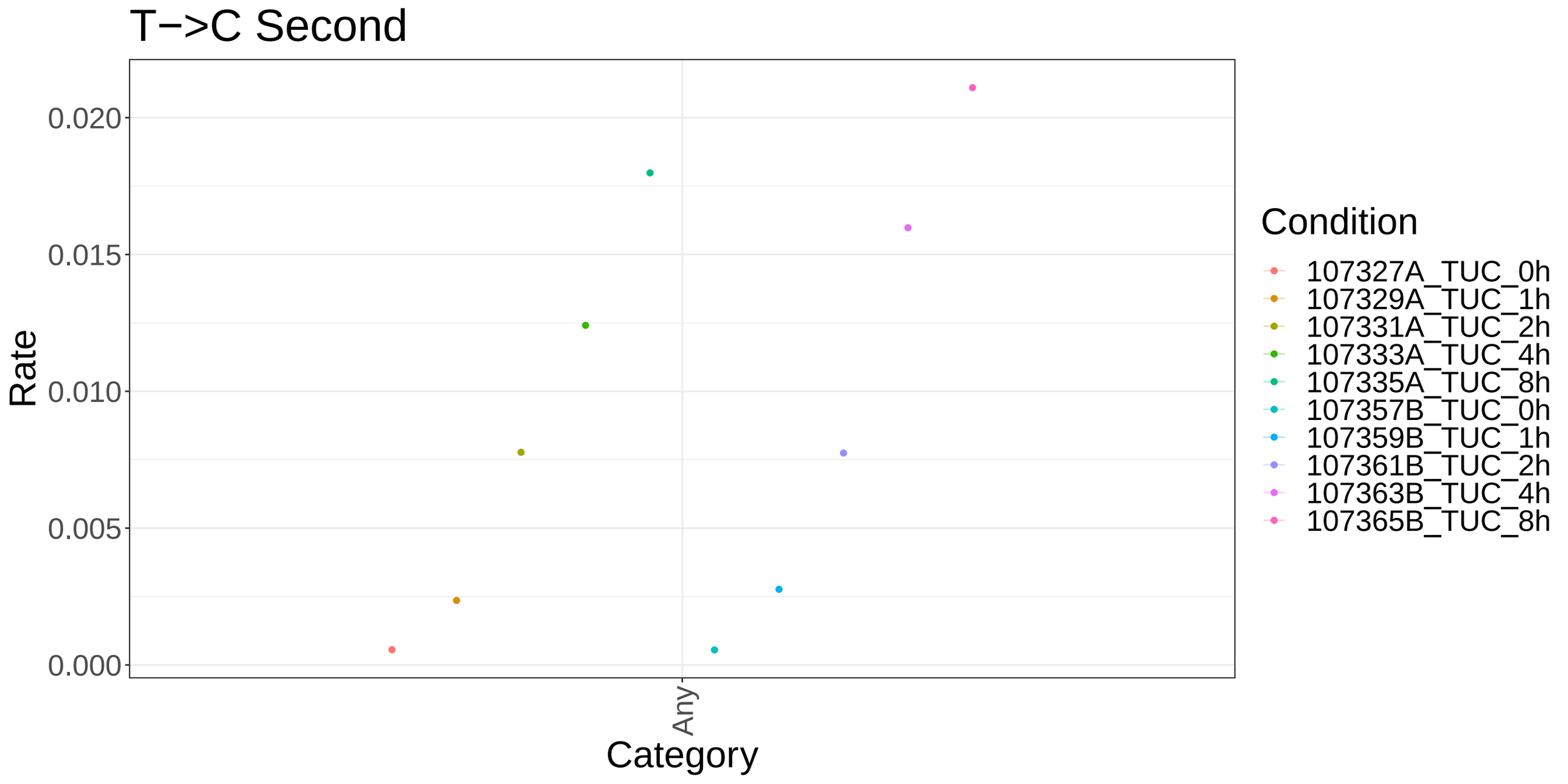
T−>C Second
Rate
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0.010
0.005
0.000
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
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107359B_TUC_1h
107361B_TUC_2h
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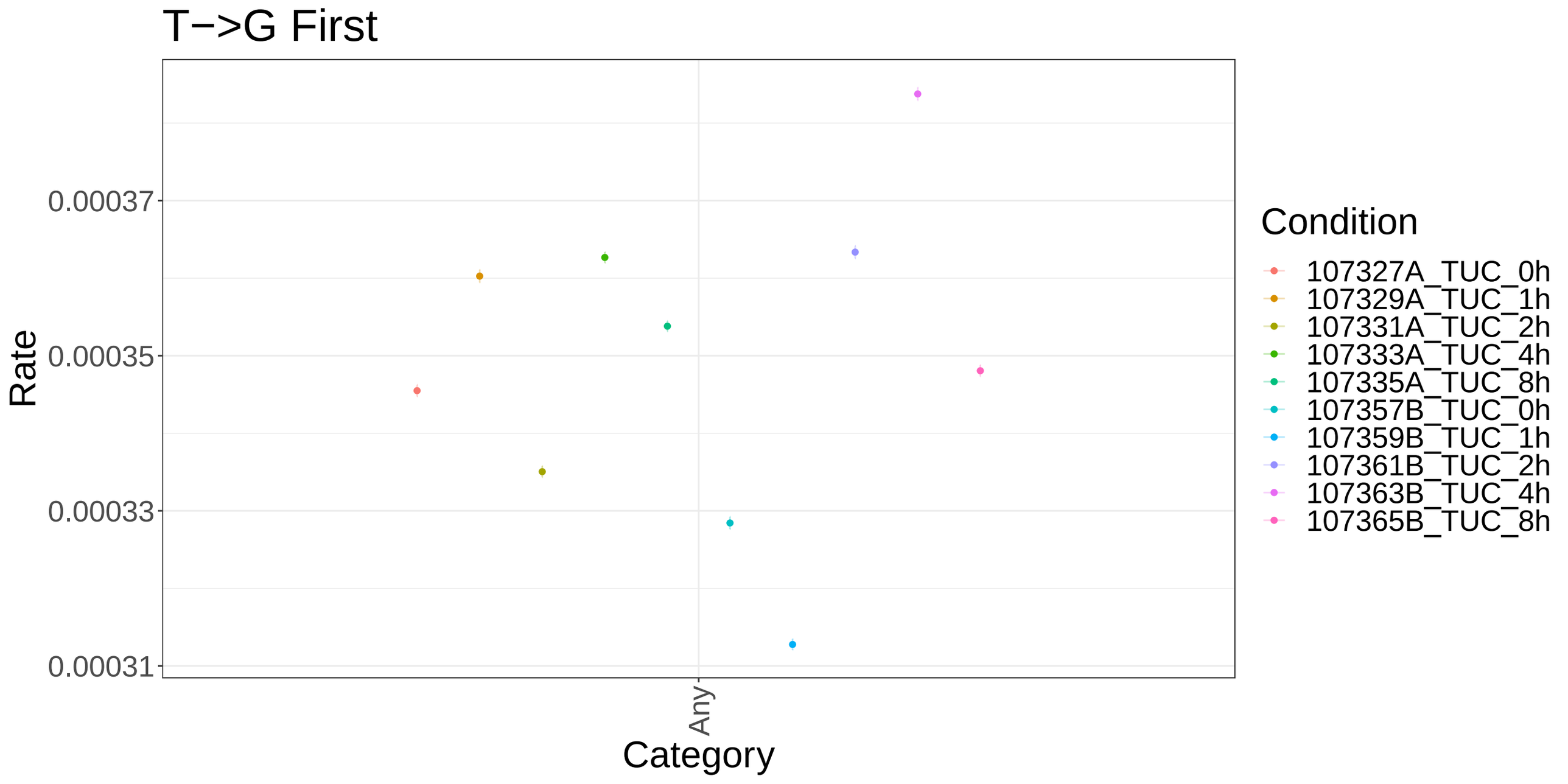
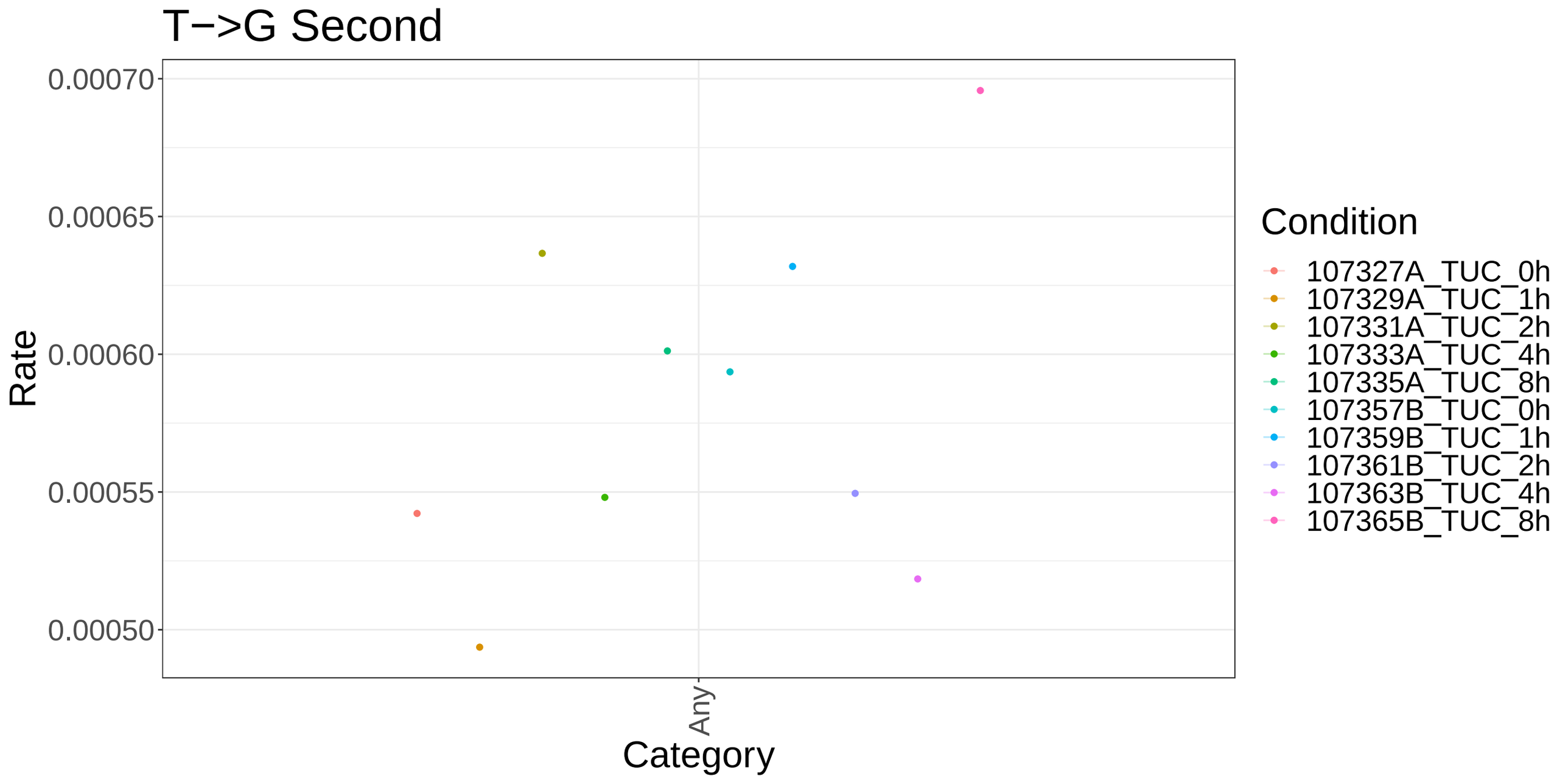
107365B_TUC_8h


T−>G First
Rate
0.00037
0.00035
0.00033
0.00031
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
107357B_TUC_0h
107359B_TUC_1h
107361B_TUC_2h
107363B_TUC_4h
107365B_TUC_8h


T−>G Second
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0.00065
0.00060
0.00055
0.00050
Rate
Any
Category
Condition
107327A_TUC_0h
107329A_TUC_1h
107331A_TUC_2h
107333A_TUC_4h
107335A_TUC_8h
107357B_TUC_0h
107359B_TUC_1h
107361B_TUC_2h
107363B_TUC_4h
107365B_TUC_8h