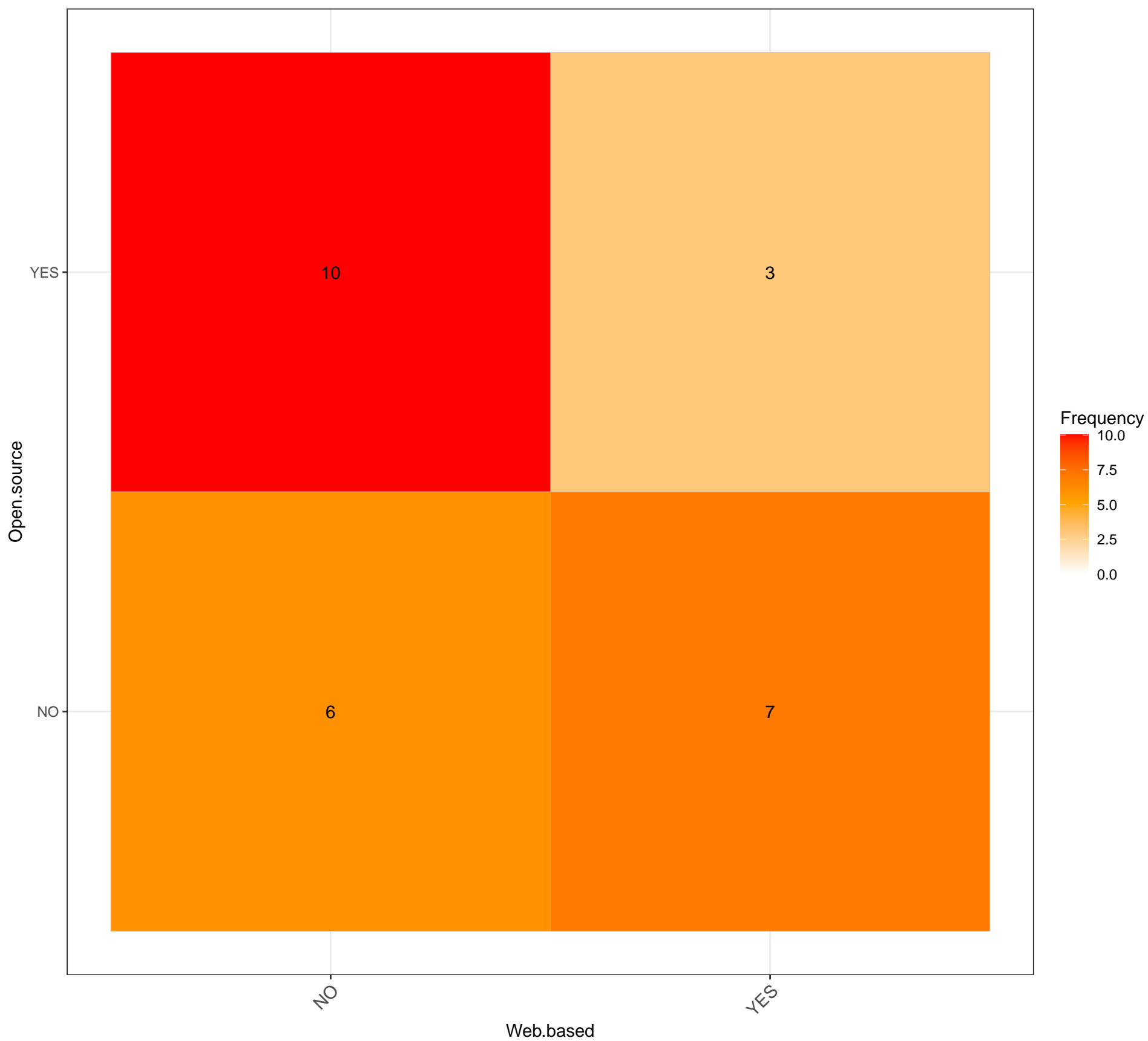
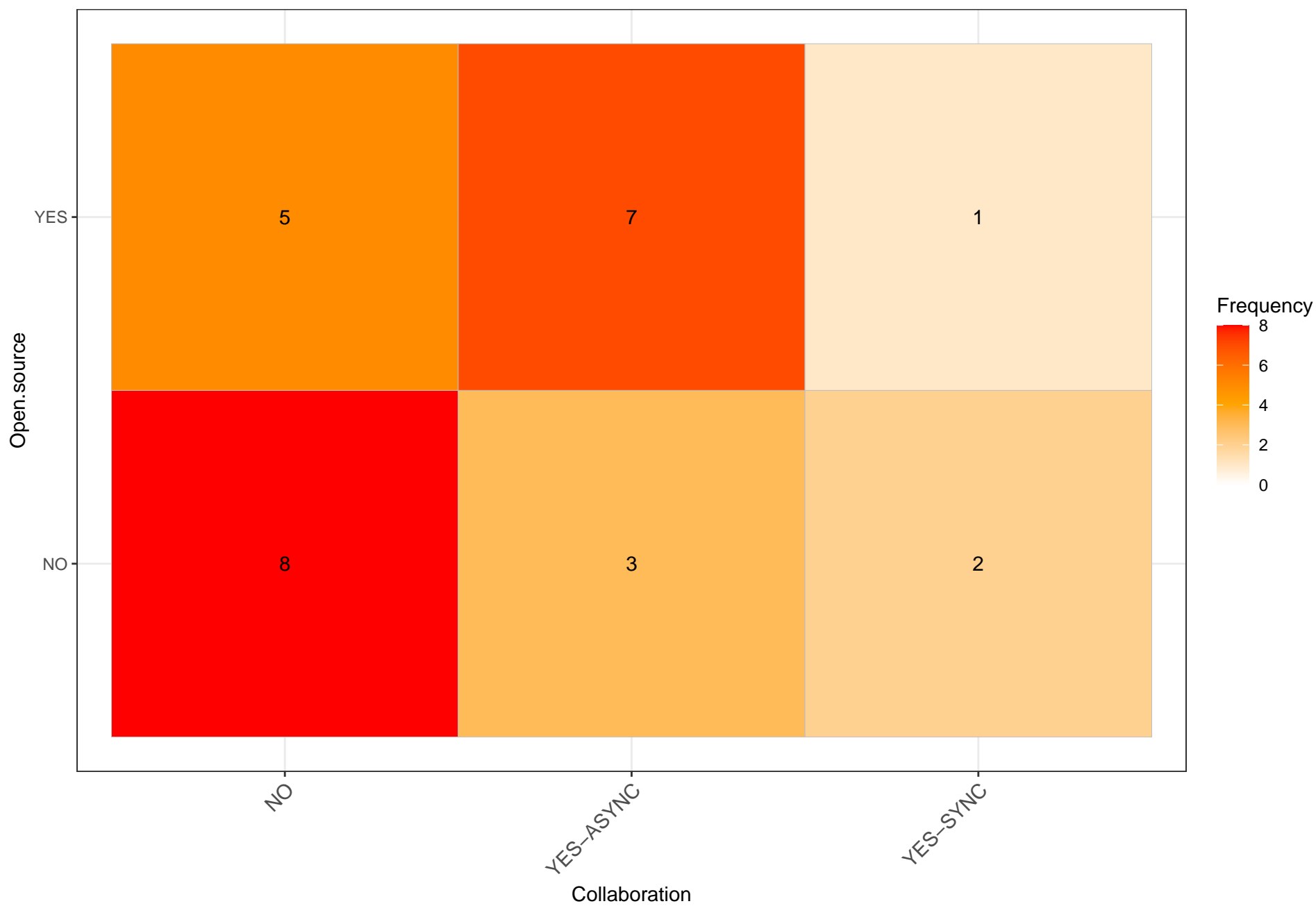


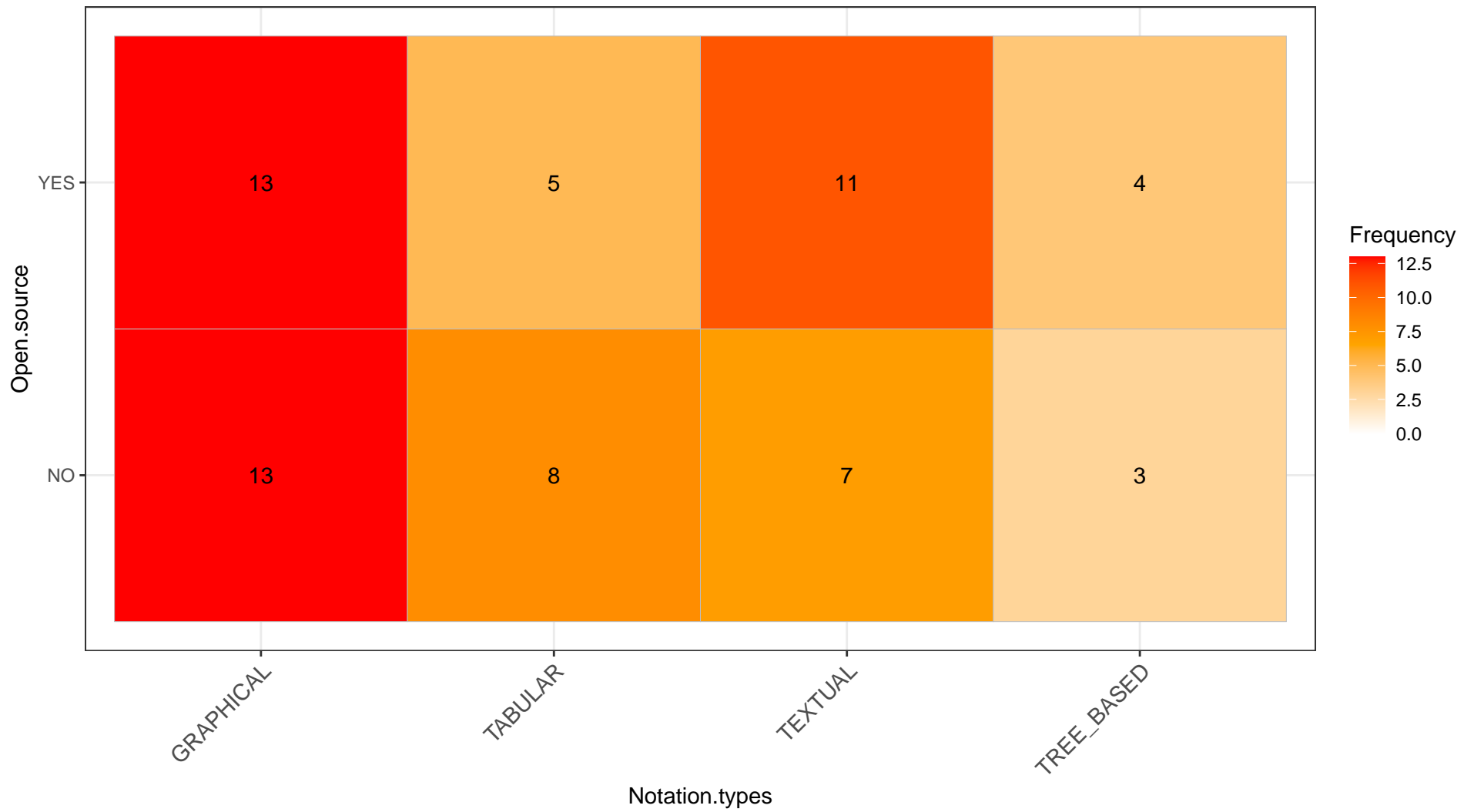
Open.source_____Web.based (Chi sq w/ Yates p= 0.2265, p= 0.1069)



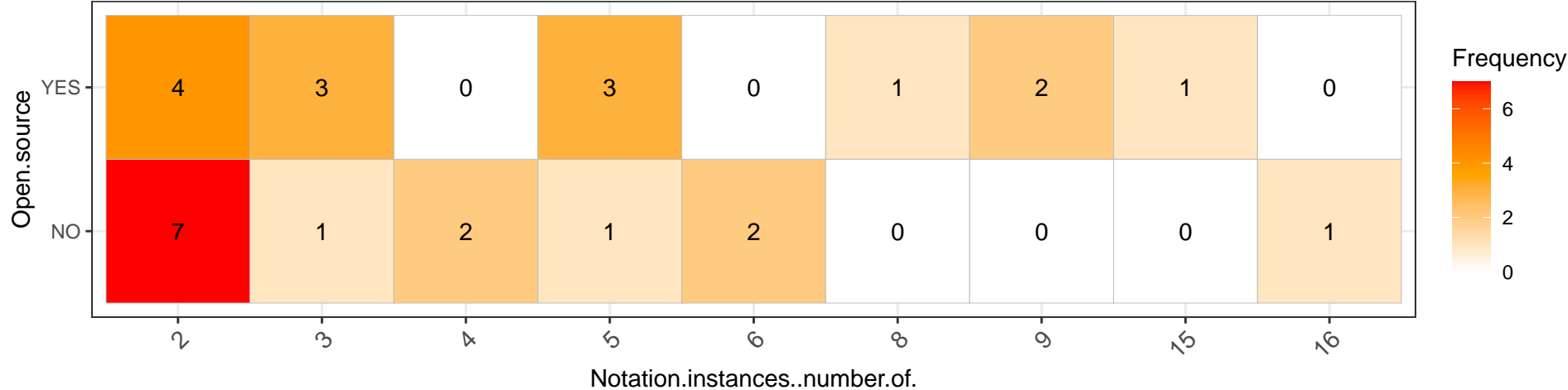
Open.source____Collaboration (Chi sq w/ Yates p= 0.2691, p= 0.2691)



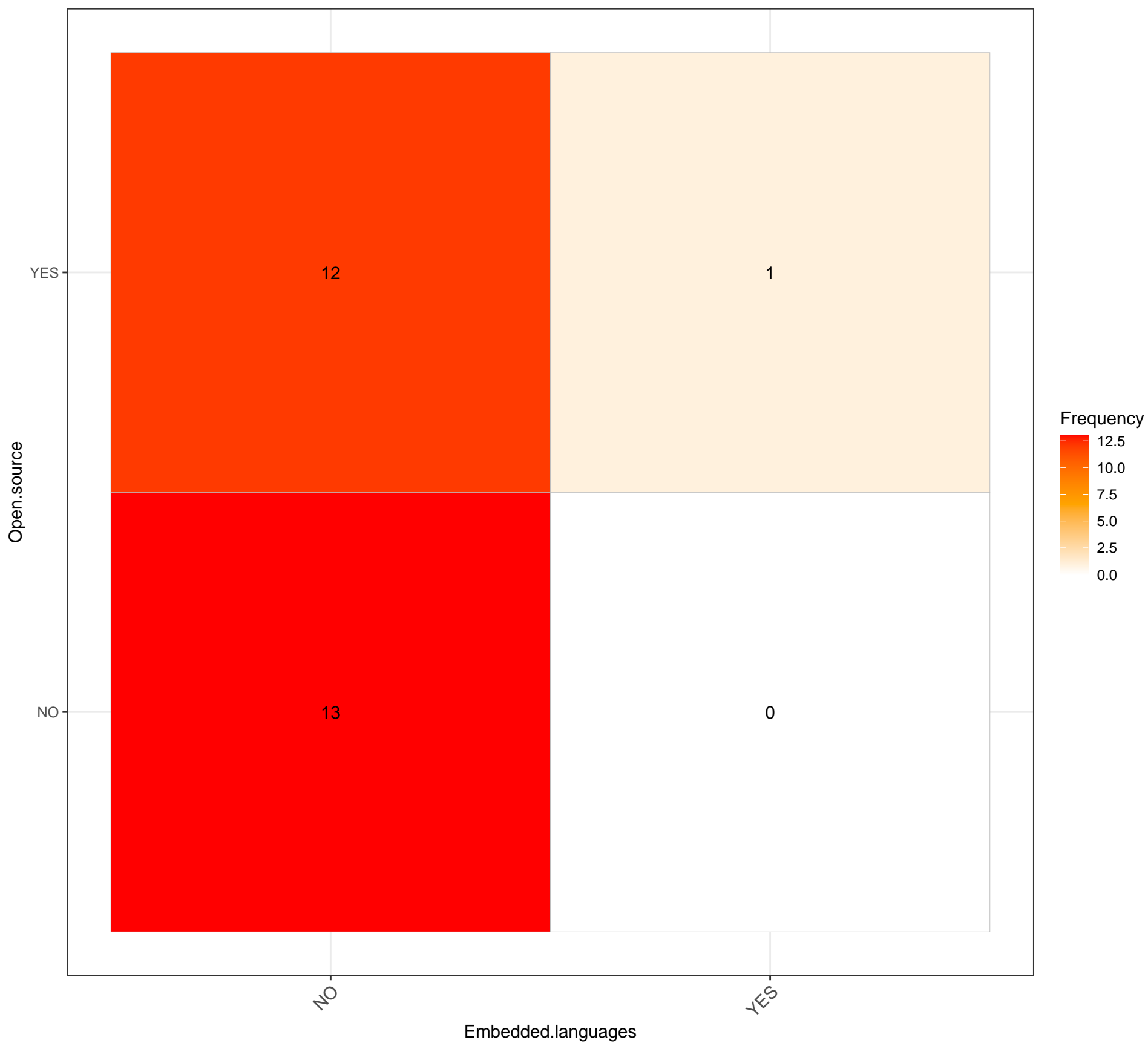
Open.source____Notation.types (Chi sq w/ Yates p= 0.6452, p= 0.6452)



Open.source____Notation.instances..number.of. (Chi sq w/ Yates p= 0.1595, p= 0.1595)



Open.source____Embedded.languages (Chi sq w/ Yates p= 1, p= 0.3078)



Open.source_____Overlap (Chi sq w/ Yates p= 0.3196, p= 0.1355)

Open.source

YES

1

12

NO

4

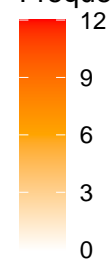
9

COMPLETE

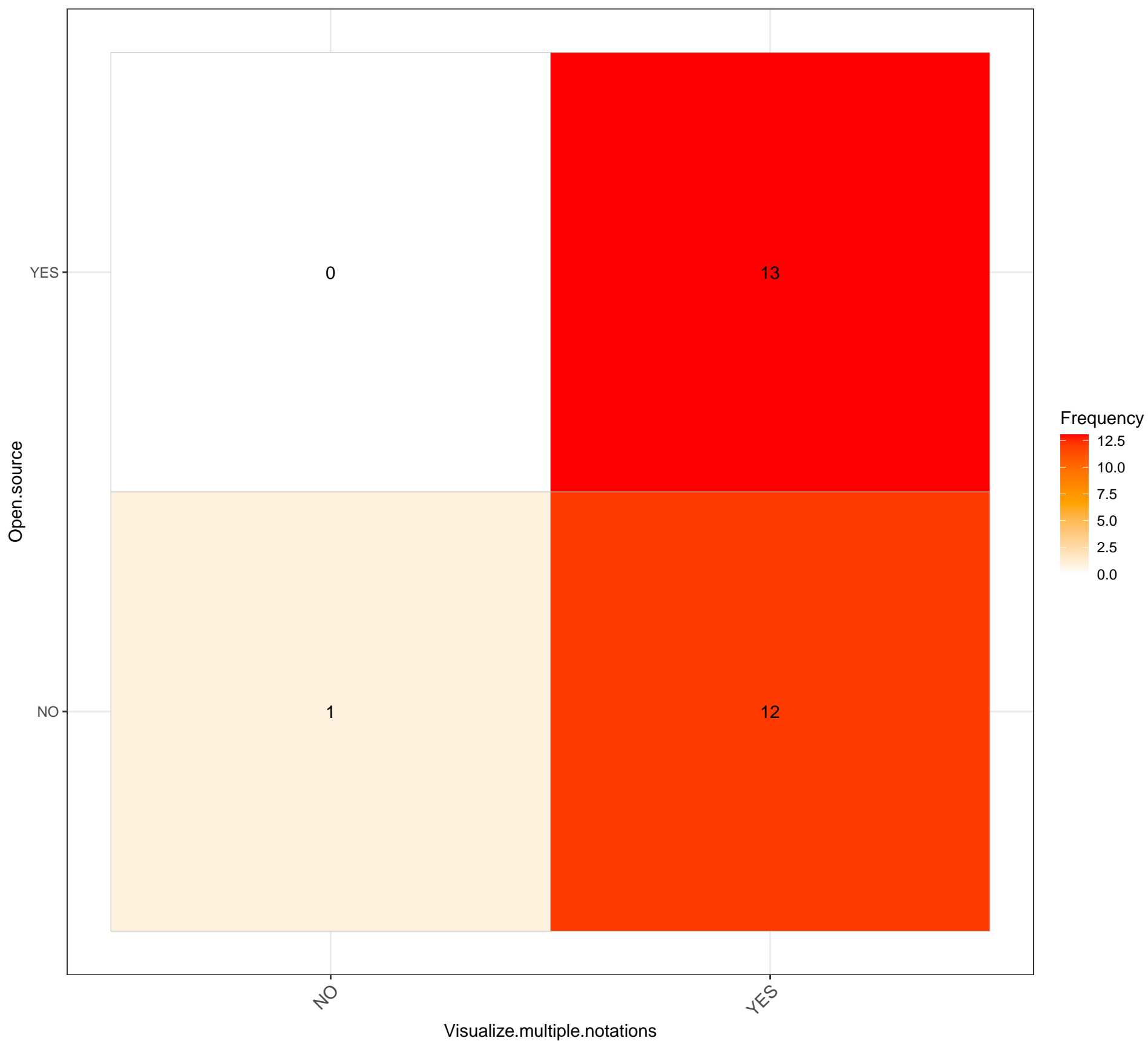
PARTIAL

Overlap

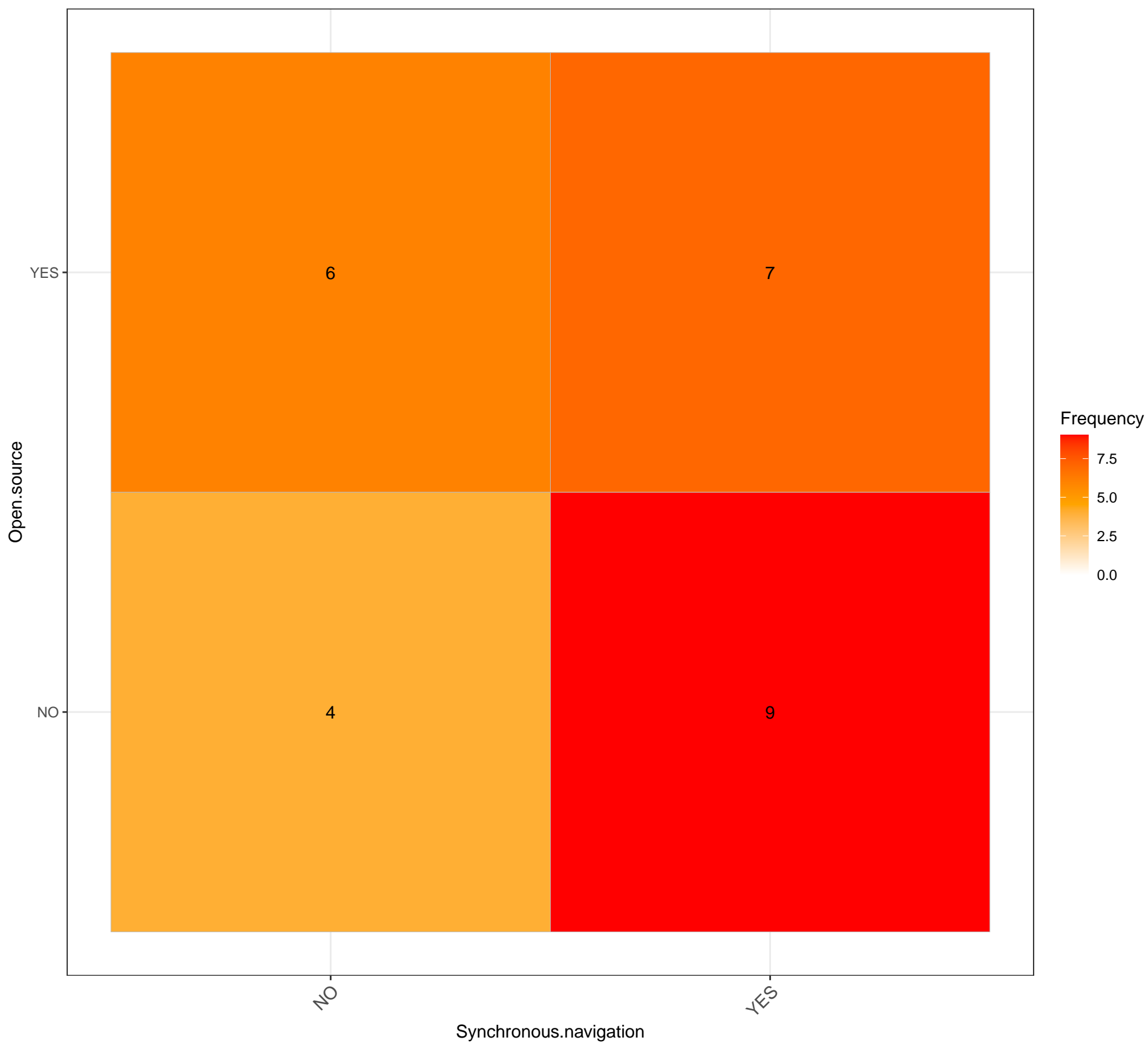
Frequency



Open.source_____Visualize.multiple.notations (Chi sq w/ Yates p= 1, p= 0.3078)



Open.source_____Synchronous.navigation (Chi sq w/ Yates p= 0.6869, p= 0.4201)



Open.source____Navigation.among.notations (Chi sq w/ Yates p= 0.1626, p= 0.0626)

Open.source

YES

5

8

NO

1

12

COMPLEX

IMMEDIATE

Navigation.among.notations

Frequency

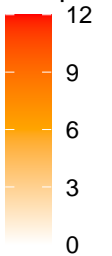
12

9

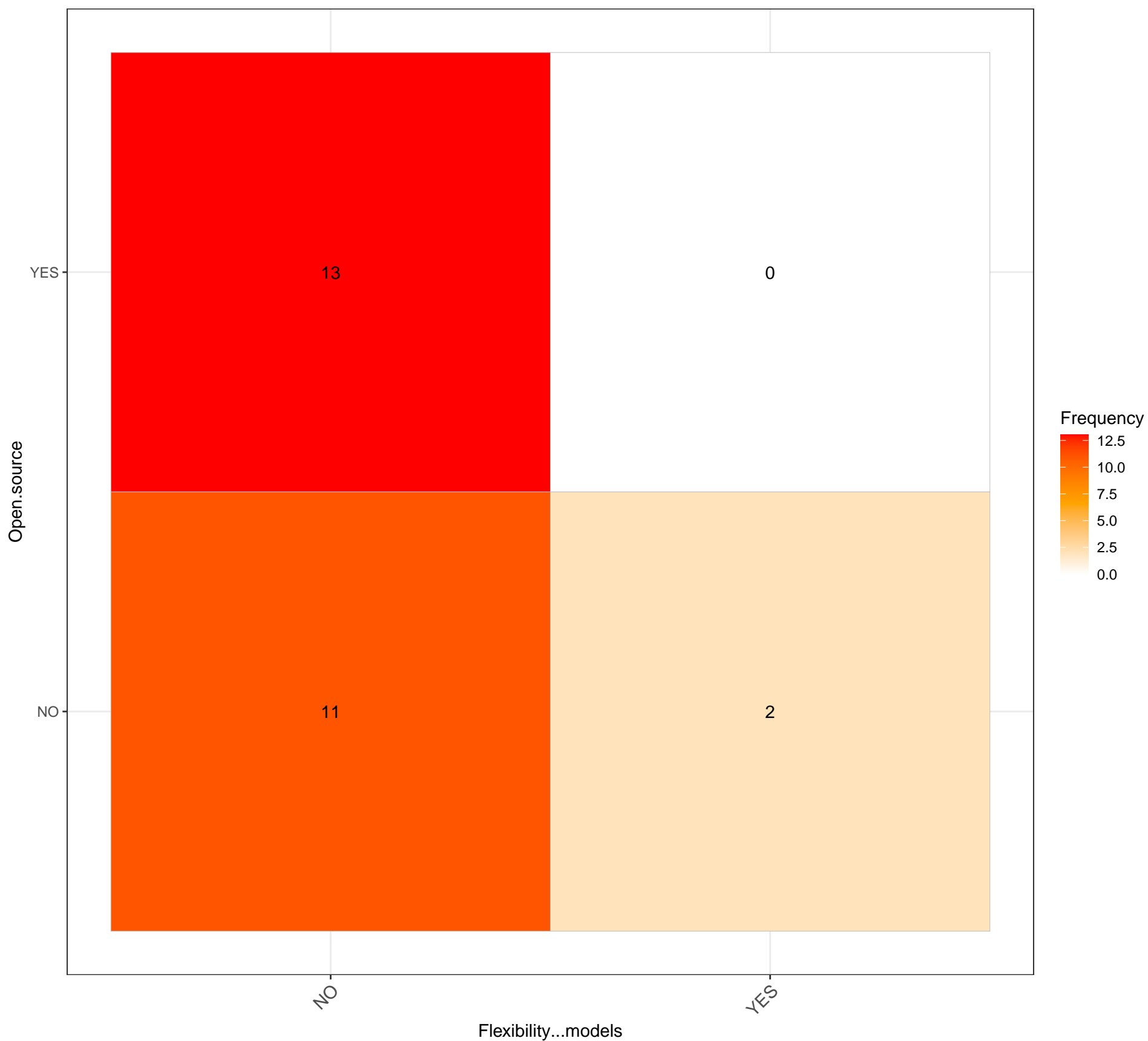
6

3

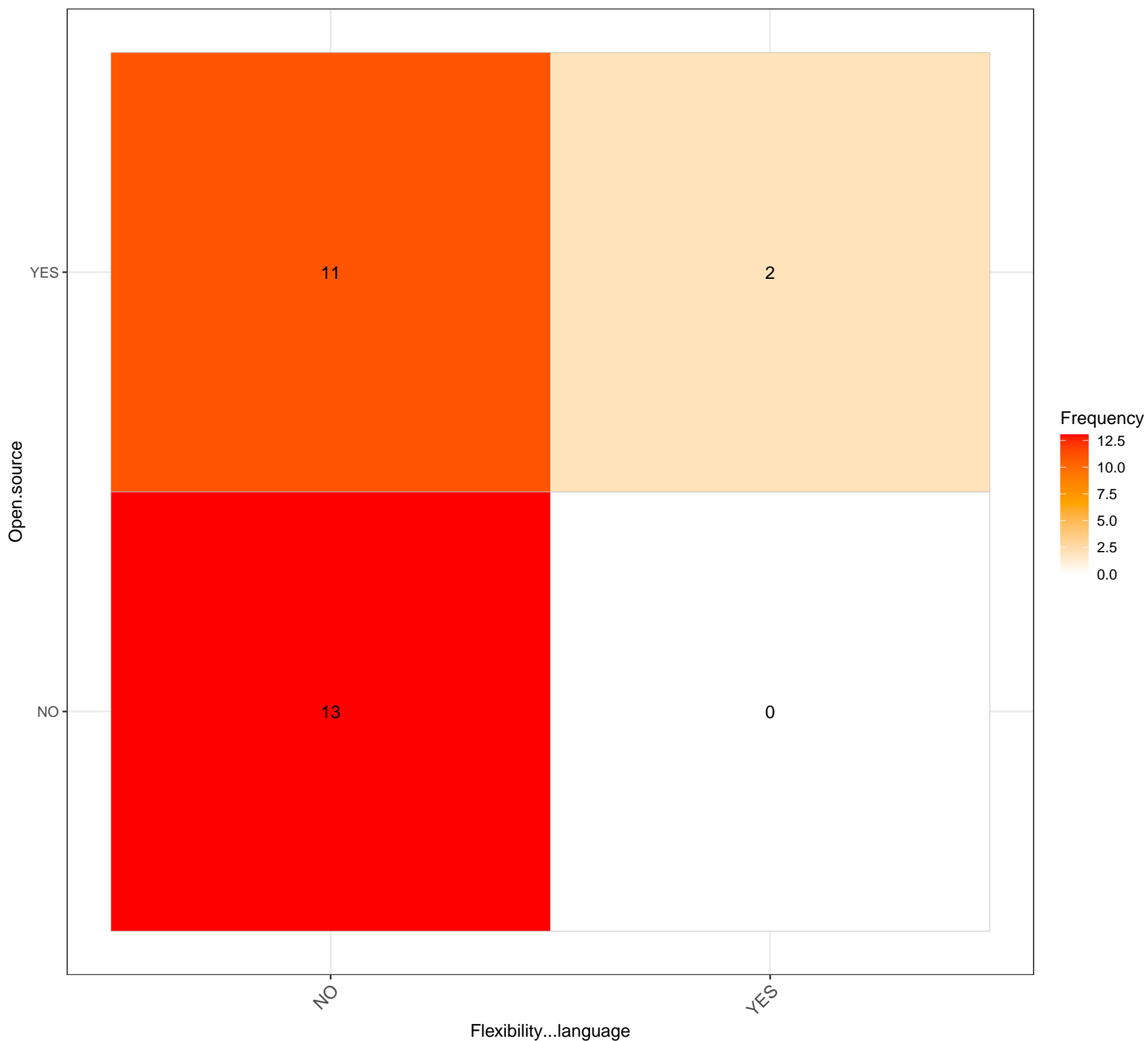
0



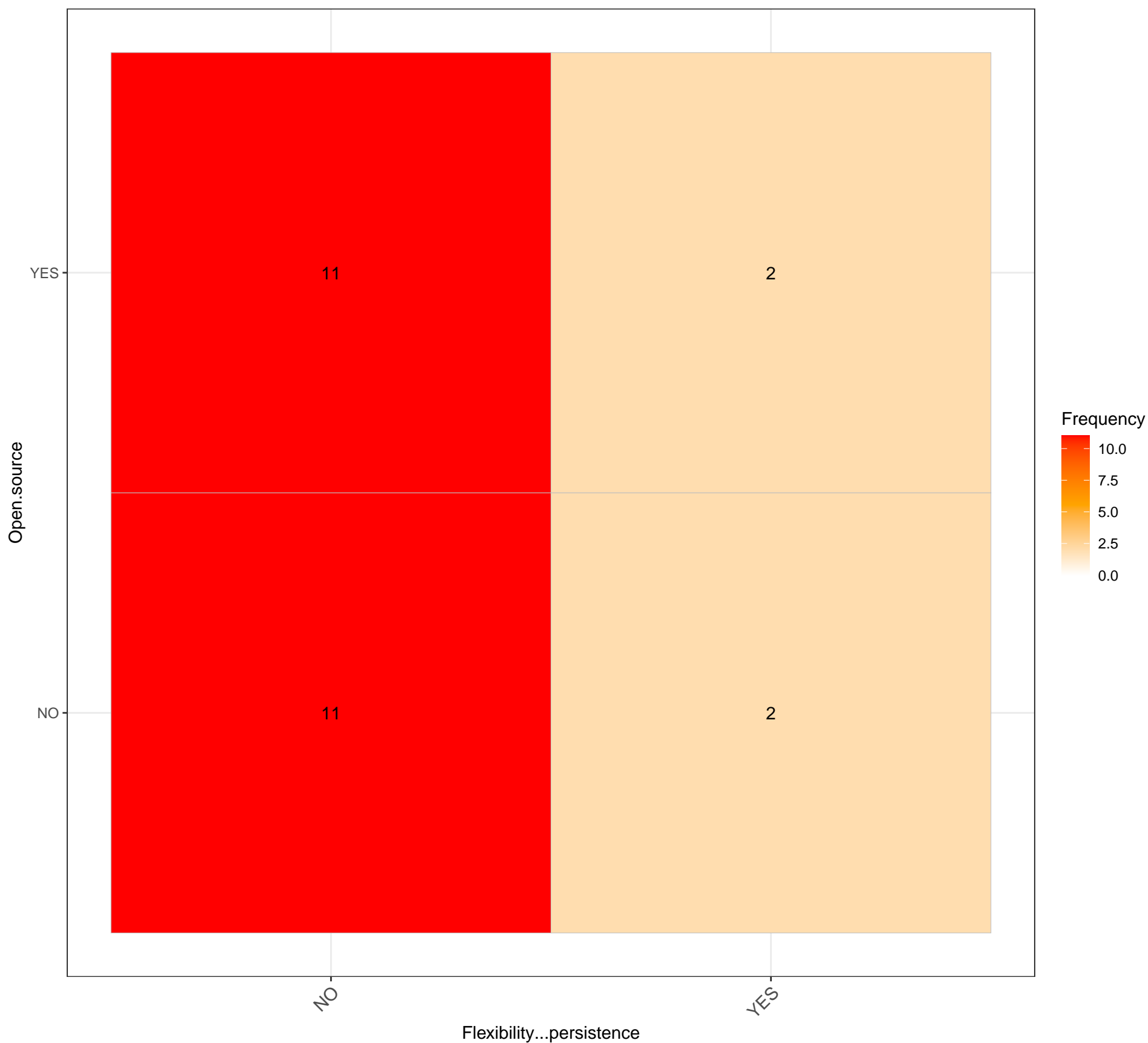
Open.source____Flexibility...models (Chi sq w/ Yates p= 0.4617, p= 0.141)



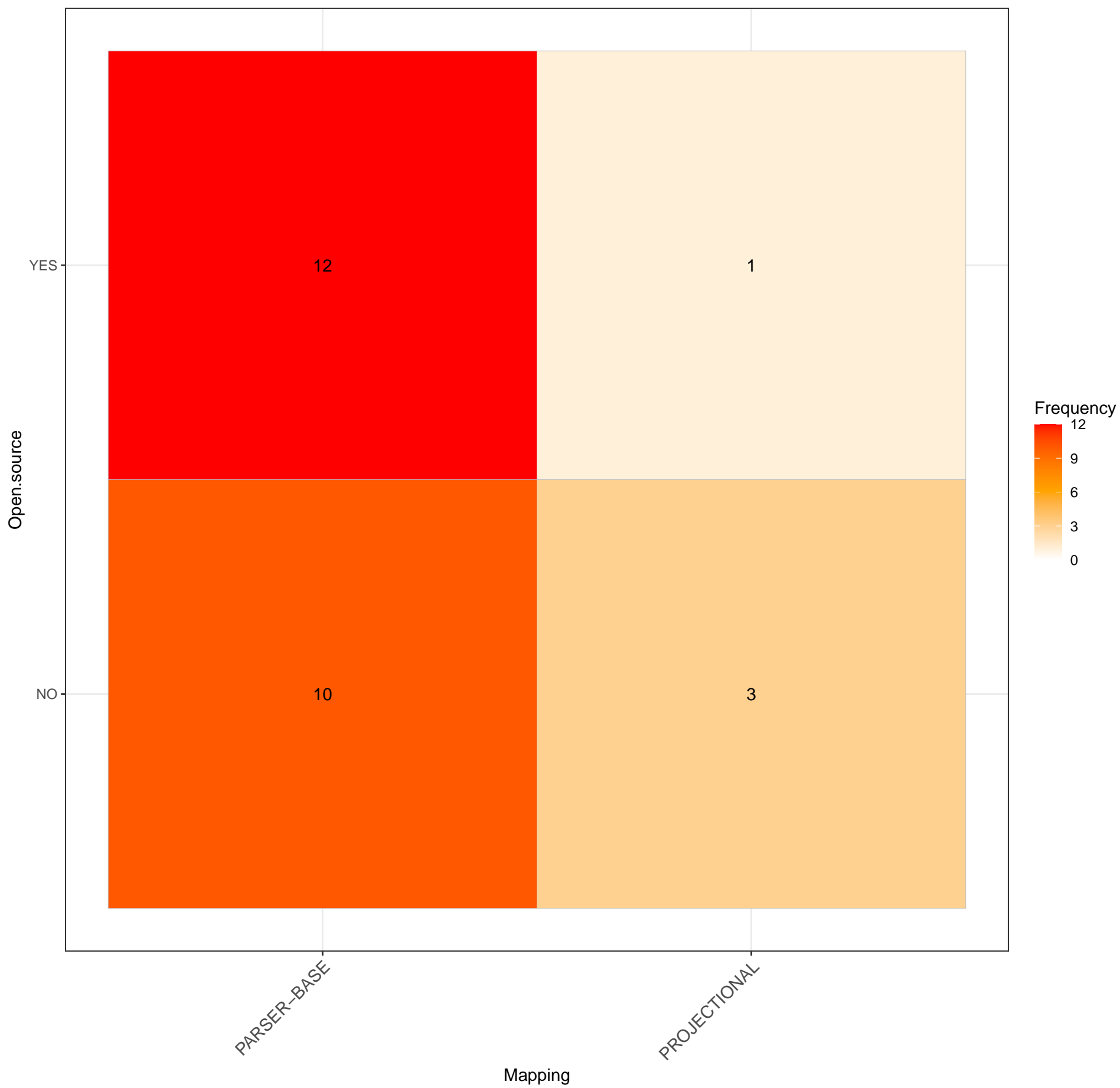
Open.source____Flexibility...language (Chi sq w/ Yates p= 0.4617, p= 0.141)



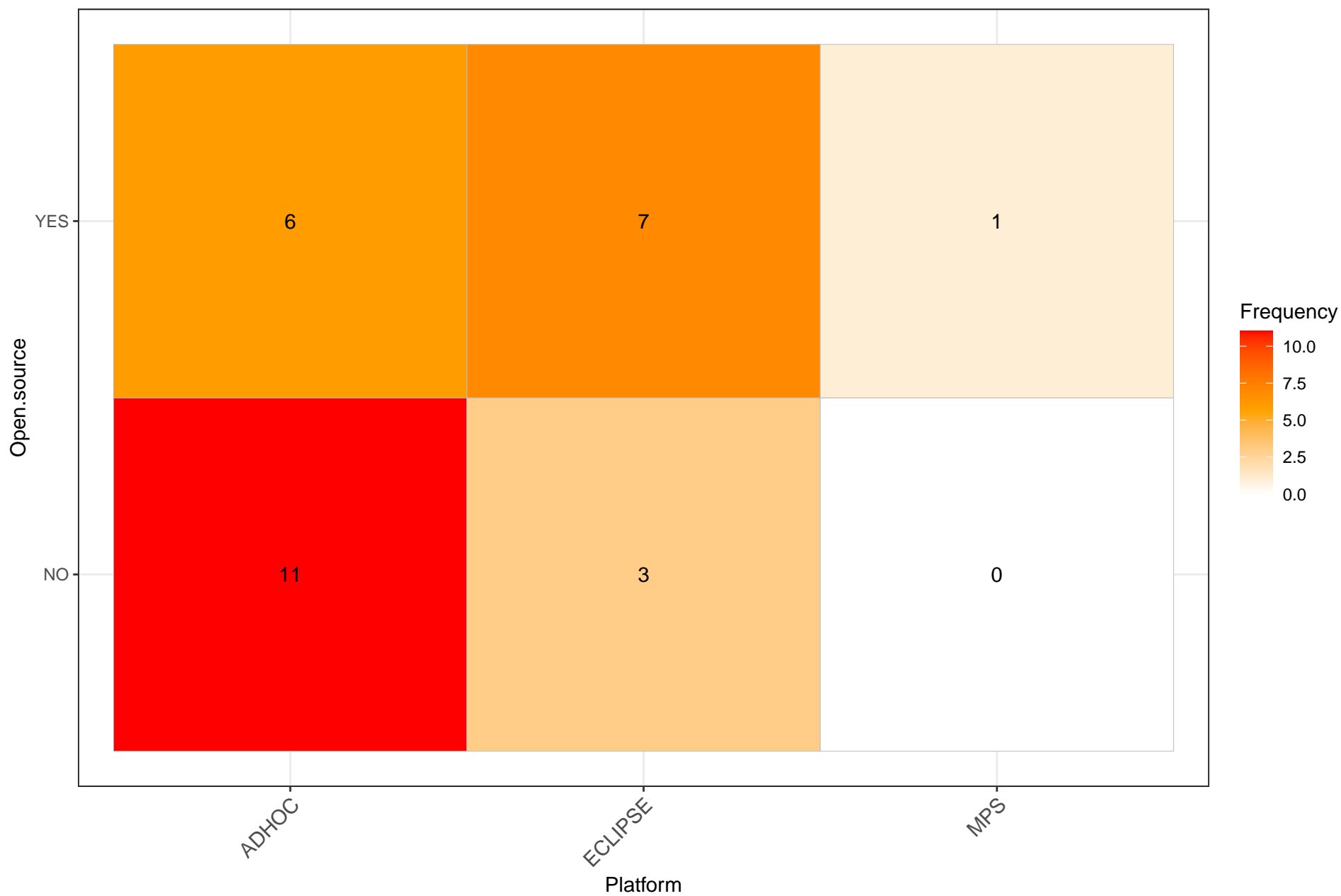
Open.source____Flexibility...persistence (Chi sq w/ Yates p= 1, p= 1)



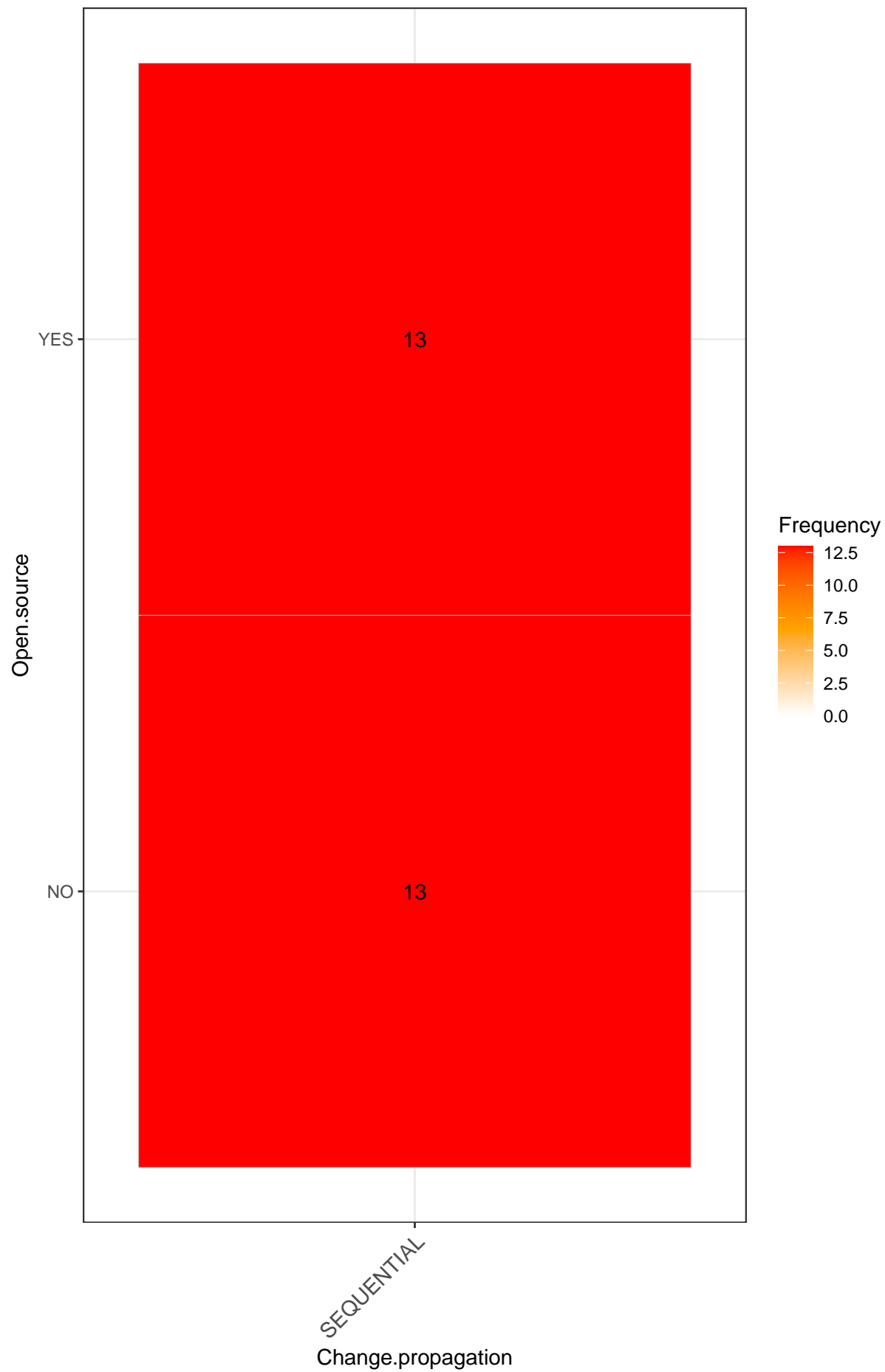
Open.source_____Mapping (Chi sq w/ Yates p= 0.5867, p= 0.277)



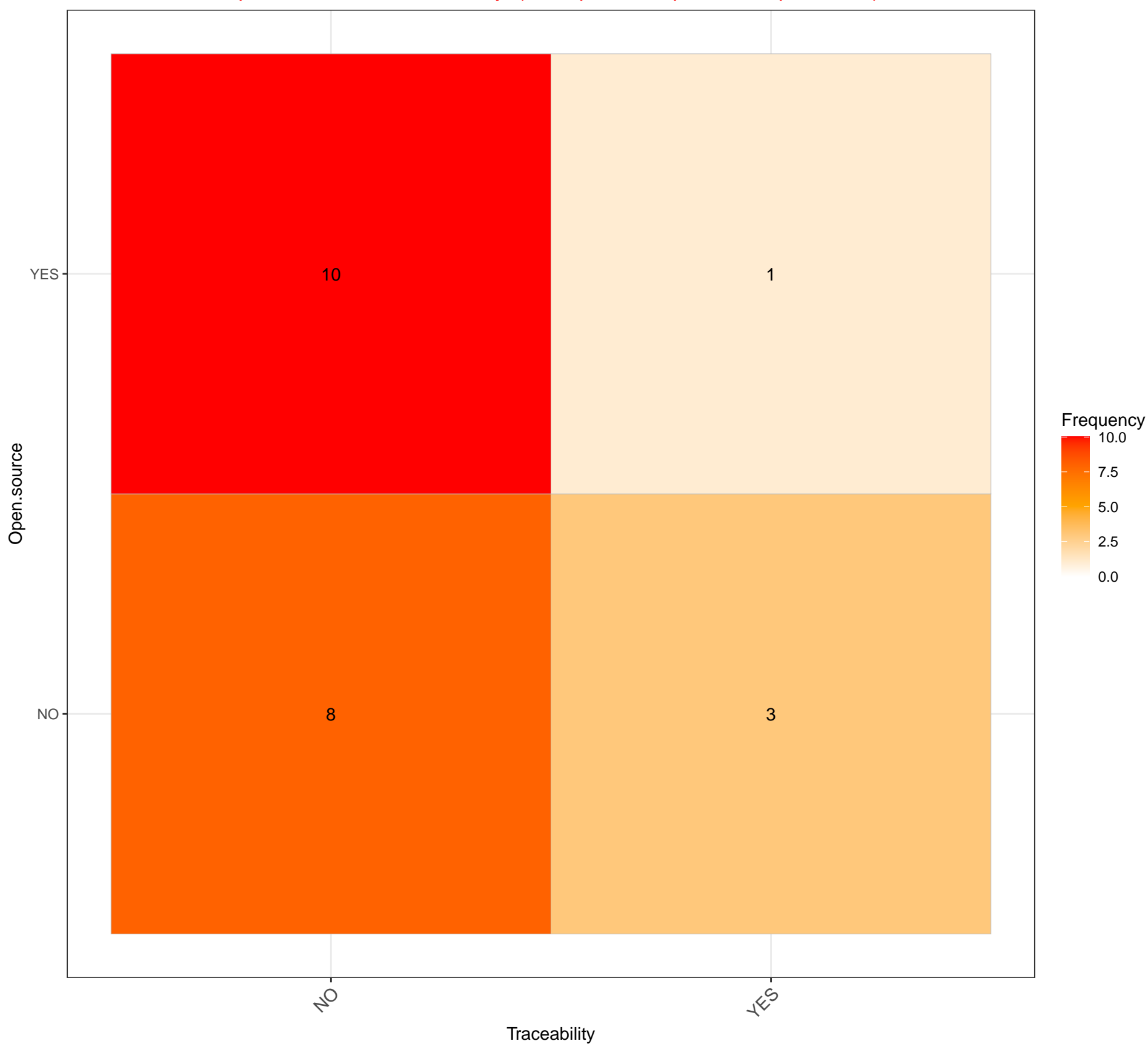
Open.source____Platform (Chi sq w/ Yates p= 0.1306, p= 0.1306)



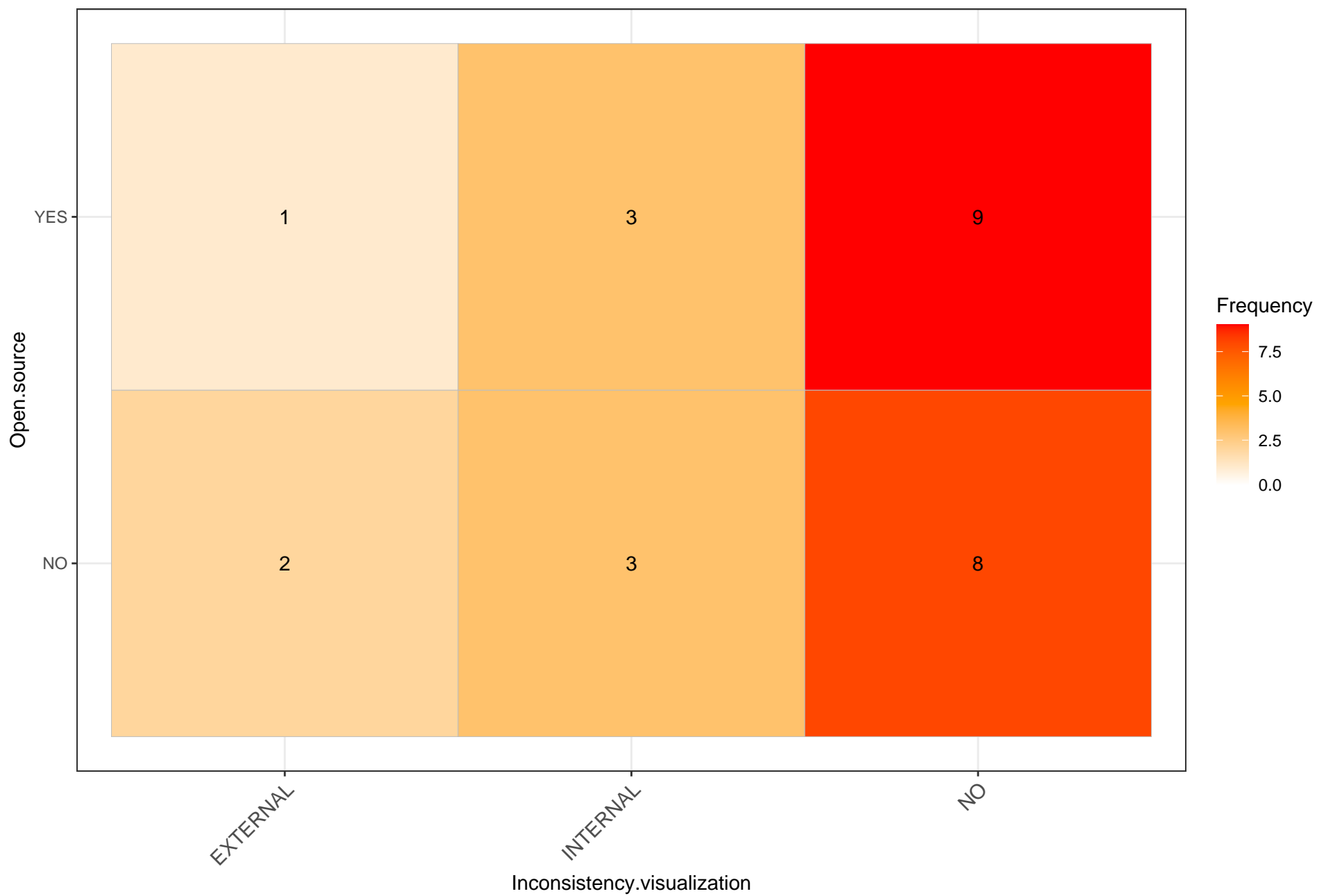
Open.source_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)



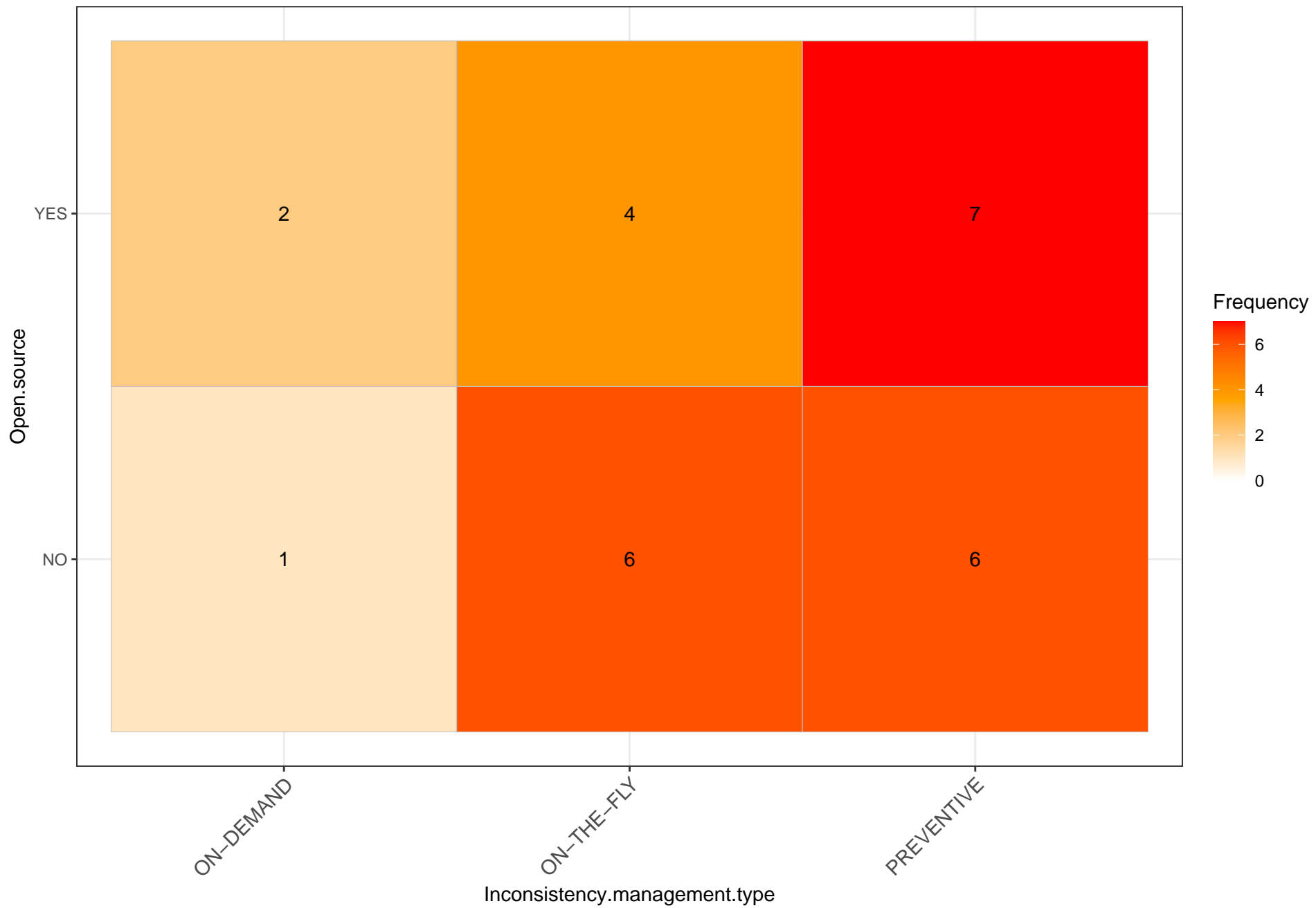
Open.source_____Traceability (Chi sq w/ Yates p= 0.5804, p= 0.2689)



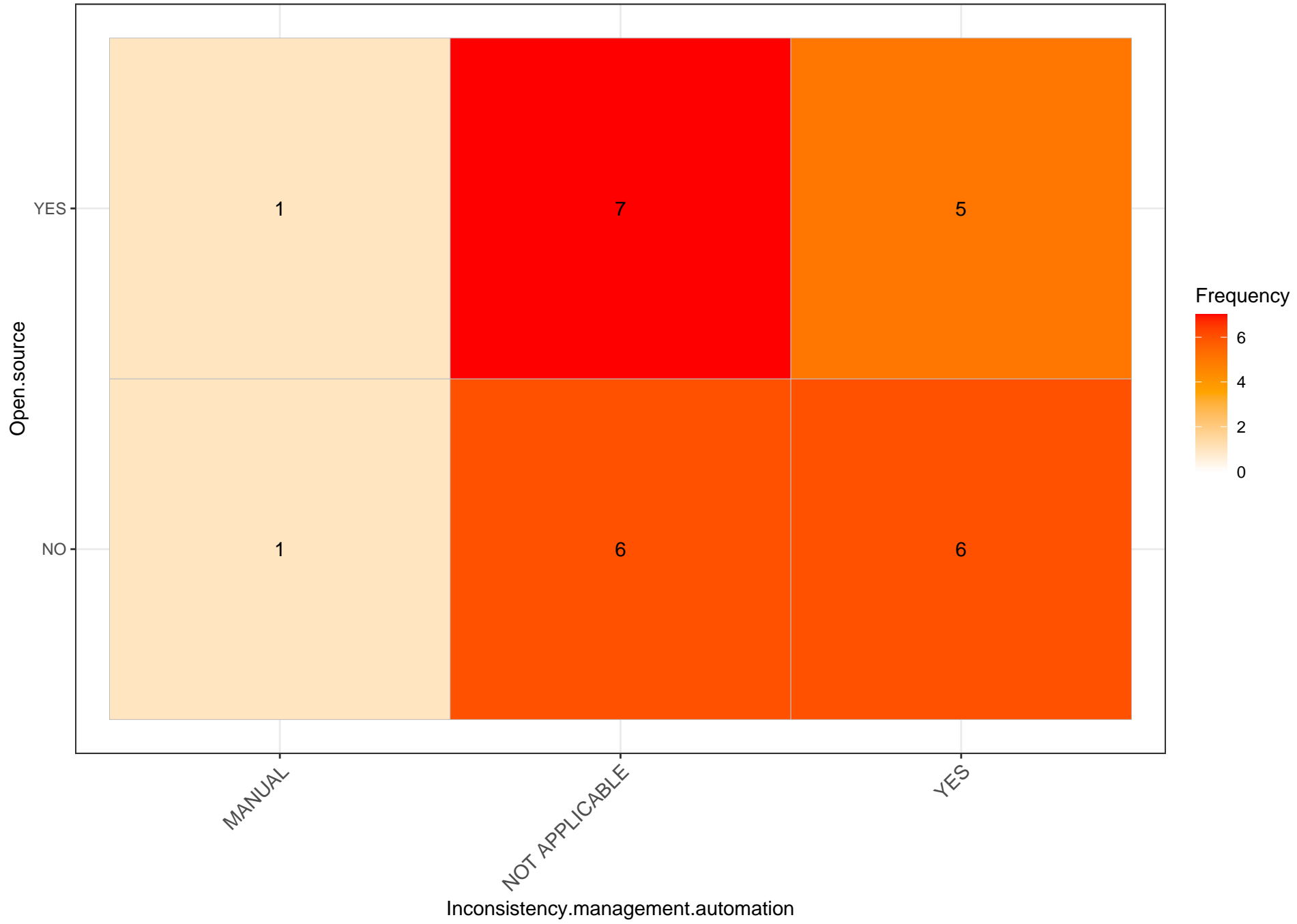
Open.source_____Inconsistency.visualization (Chi sq w/ Yates p= 0.8219, p= 0.8219)



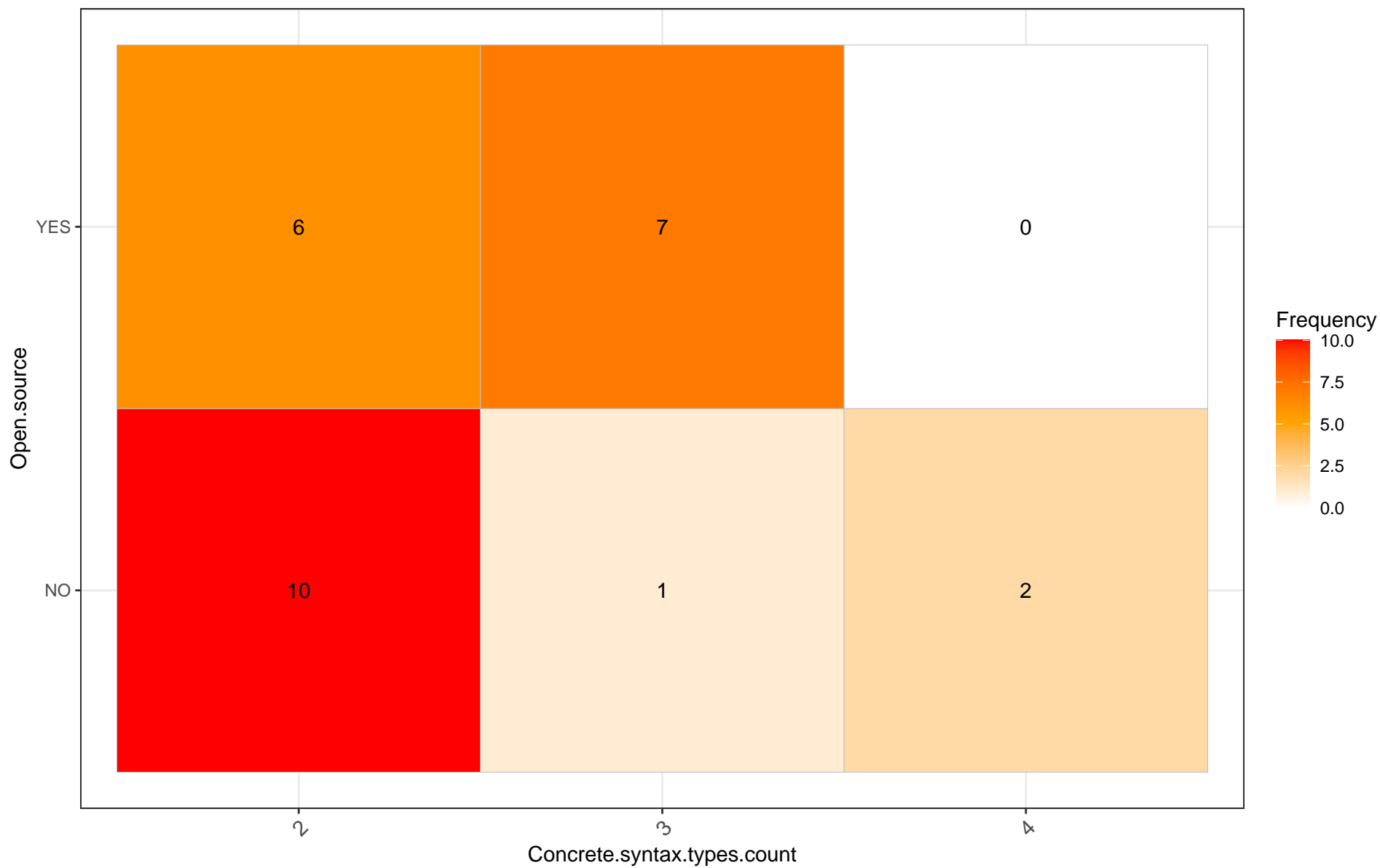
Open.source_____Inconsistency.management.type (Chi sq w/ Yates p= 0.6669, p= 0.6669)



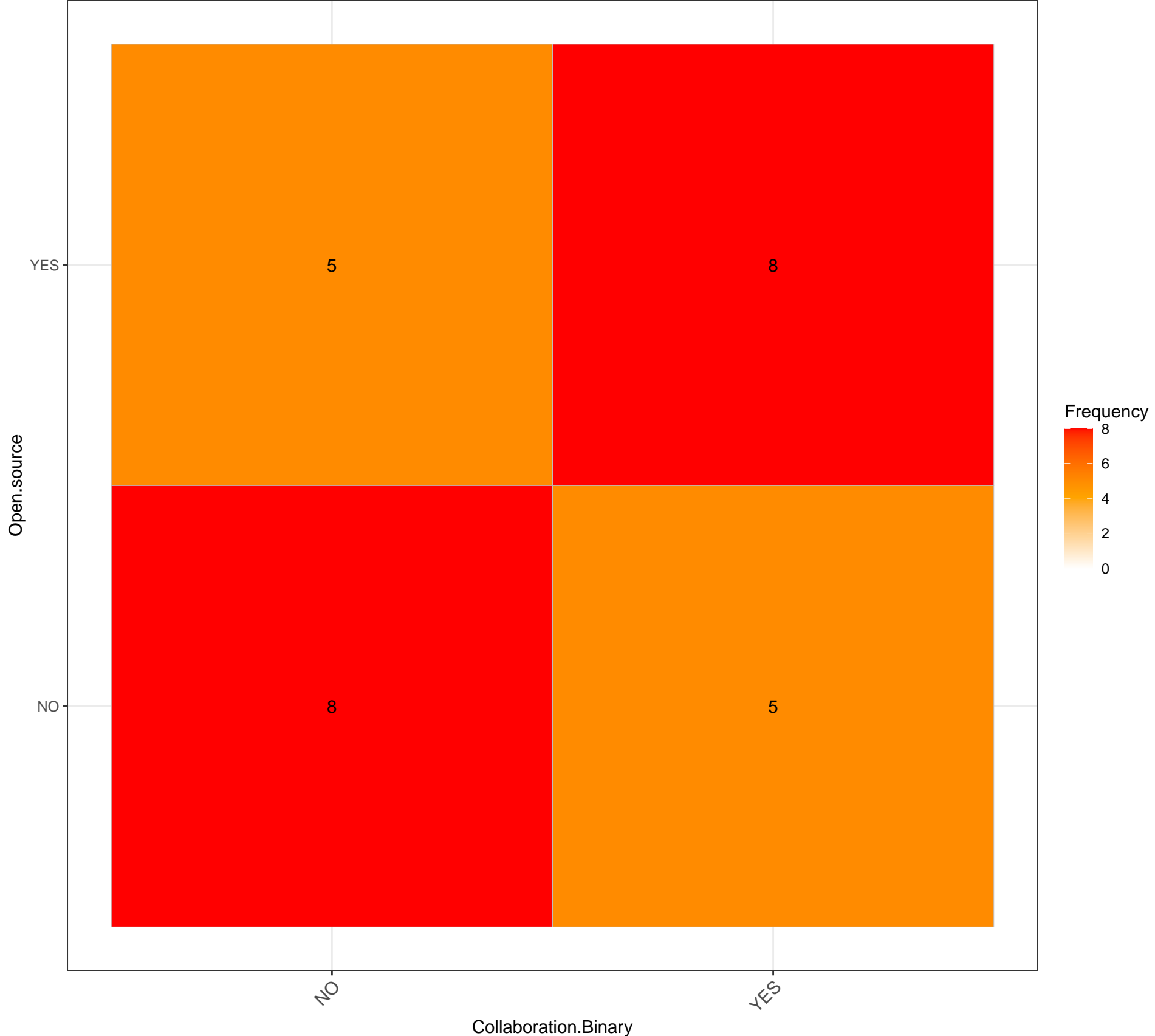
Open.source____Inconsistency.management.automation (Chi sq w/ Yates p= 0.9195, p= 0.9195)



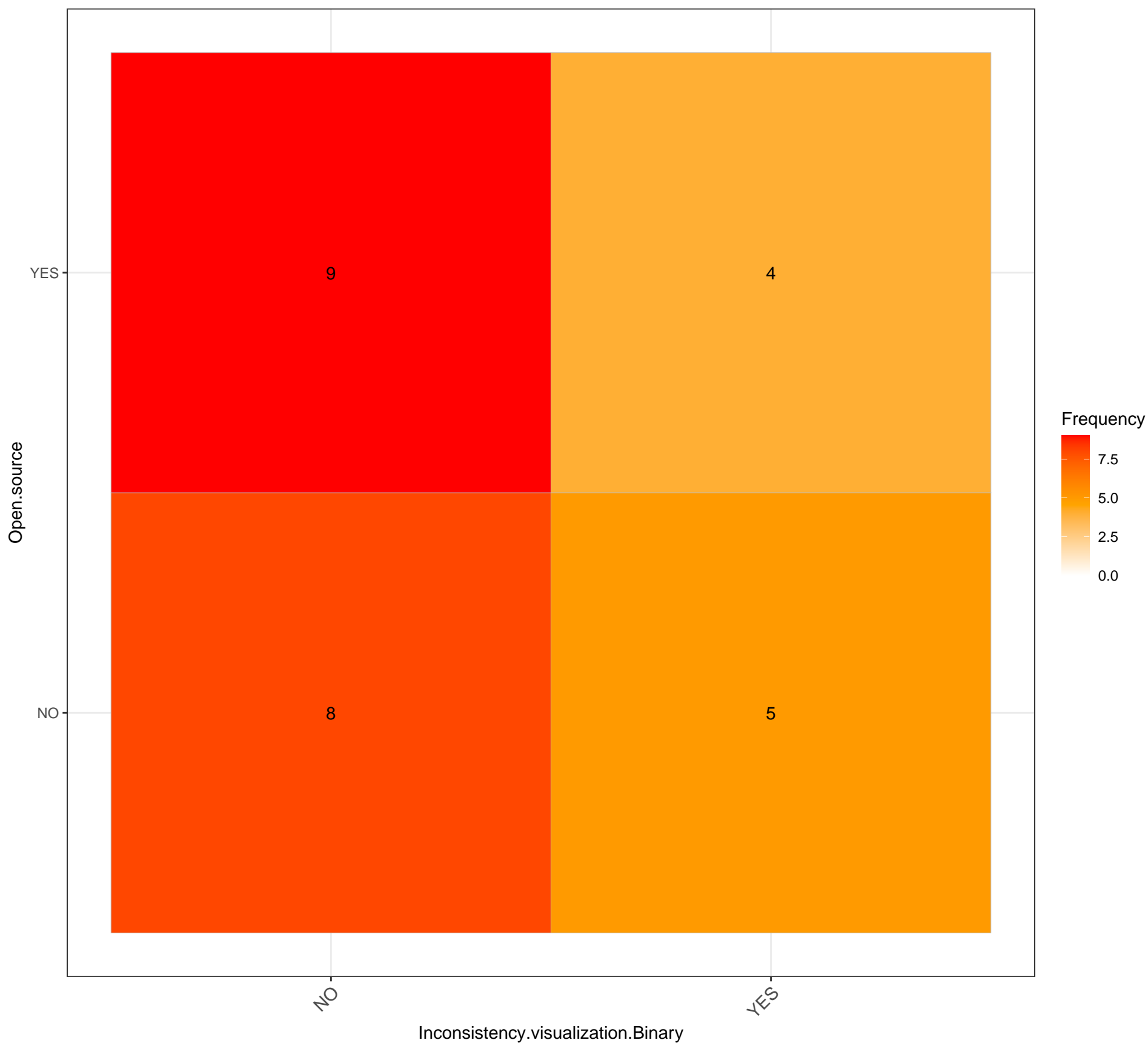
Open.source_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.0235, p= 0.0235)



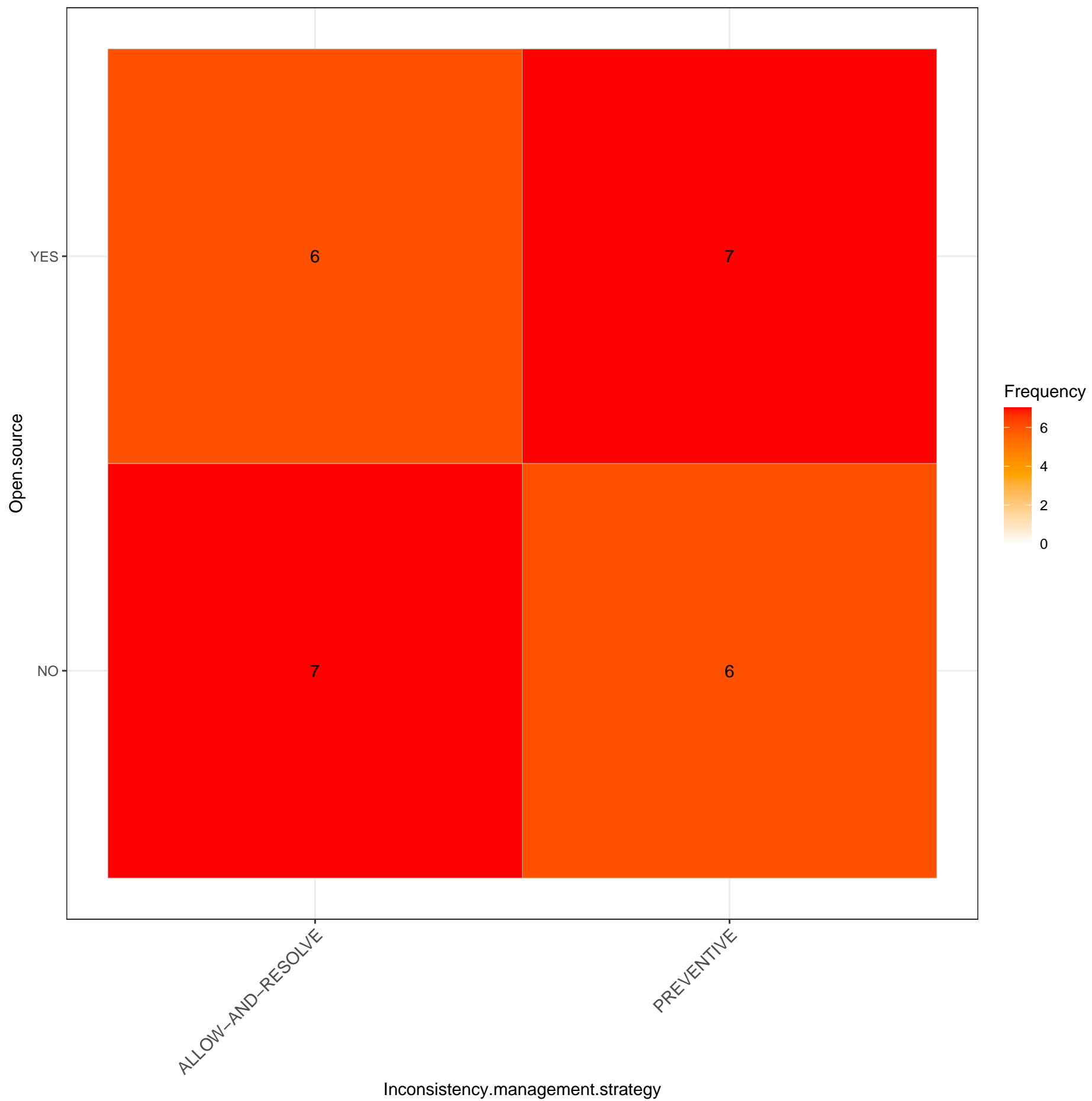
Open.source____Collaboration.Binary (Chi sq w/ Yates p= 0.4328, p= 0.2393)



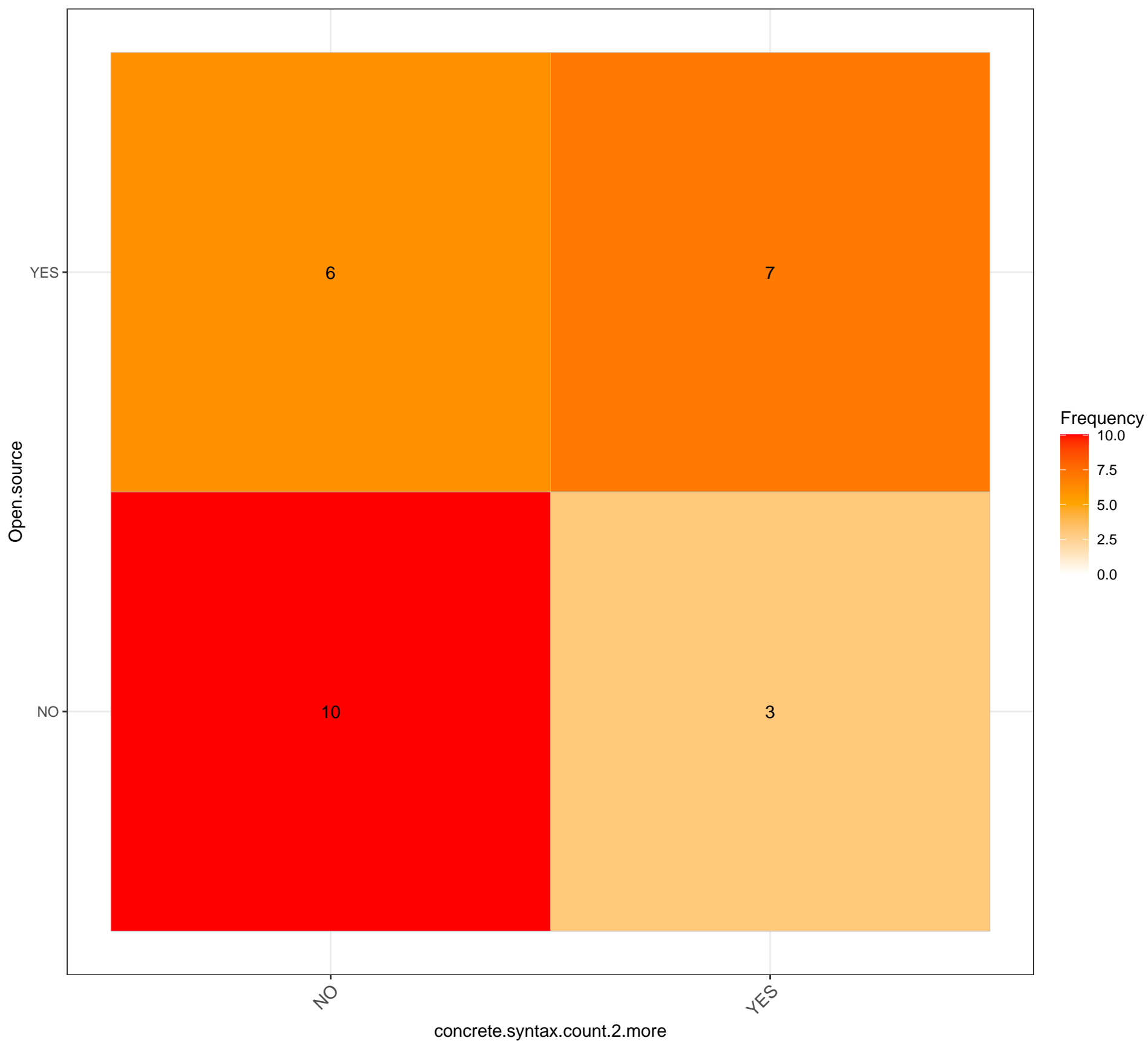
Open.source_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 1, p= 0.6802)



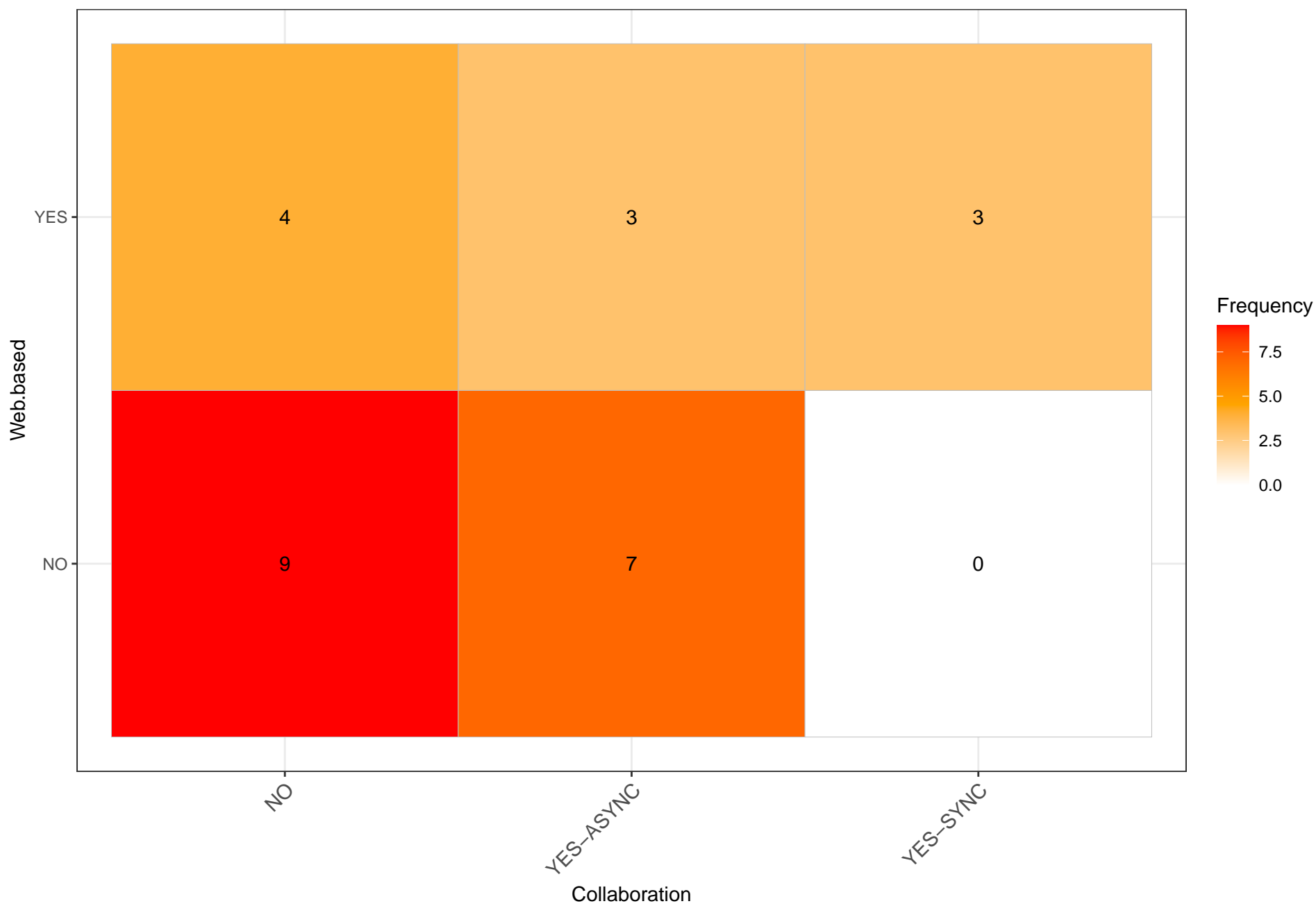
Open.source_____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 0.6949)



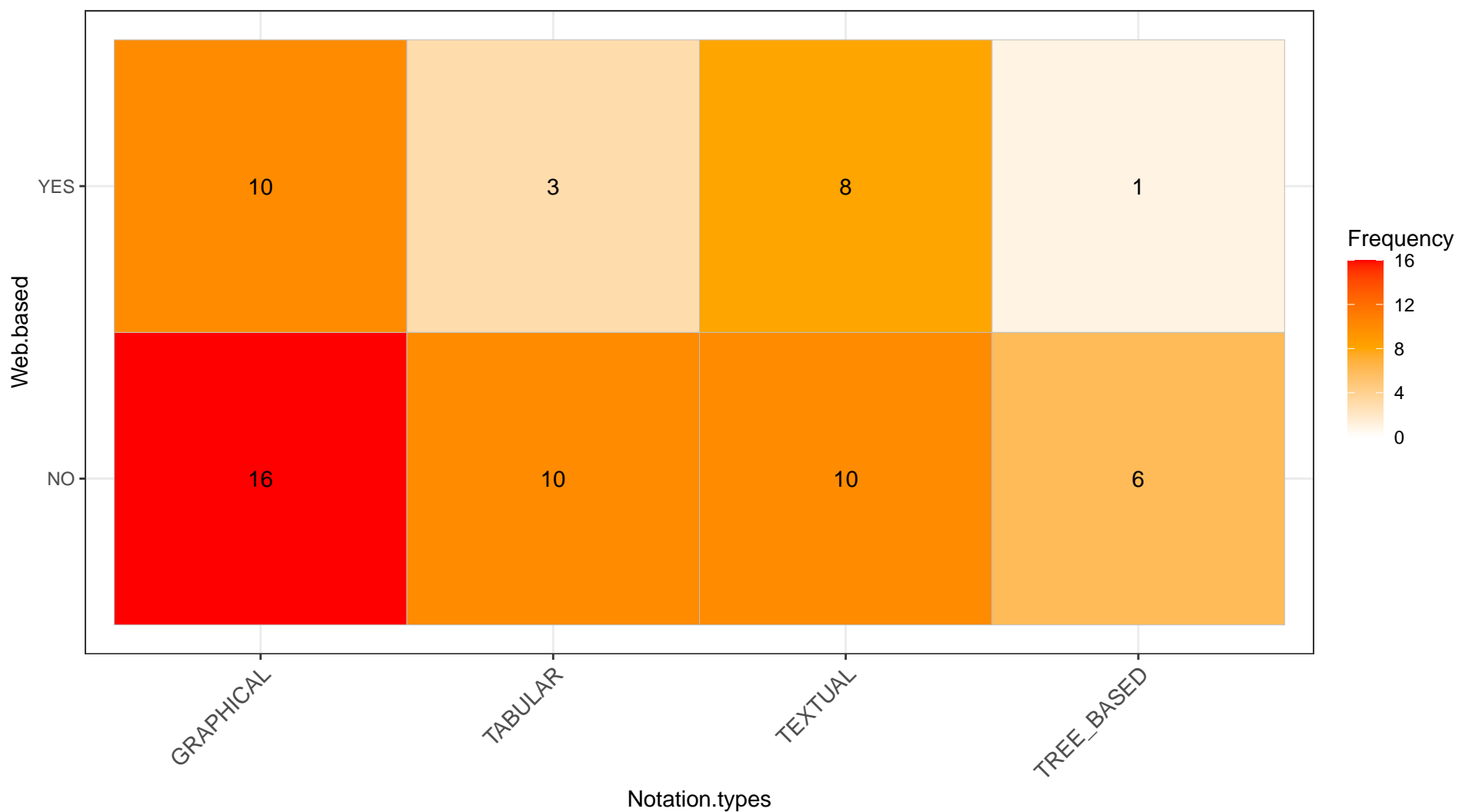
Open.source____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.2265, p= 0.1069)

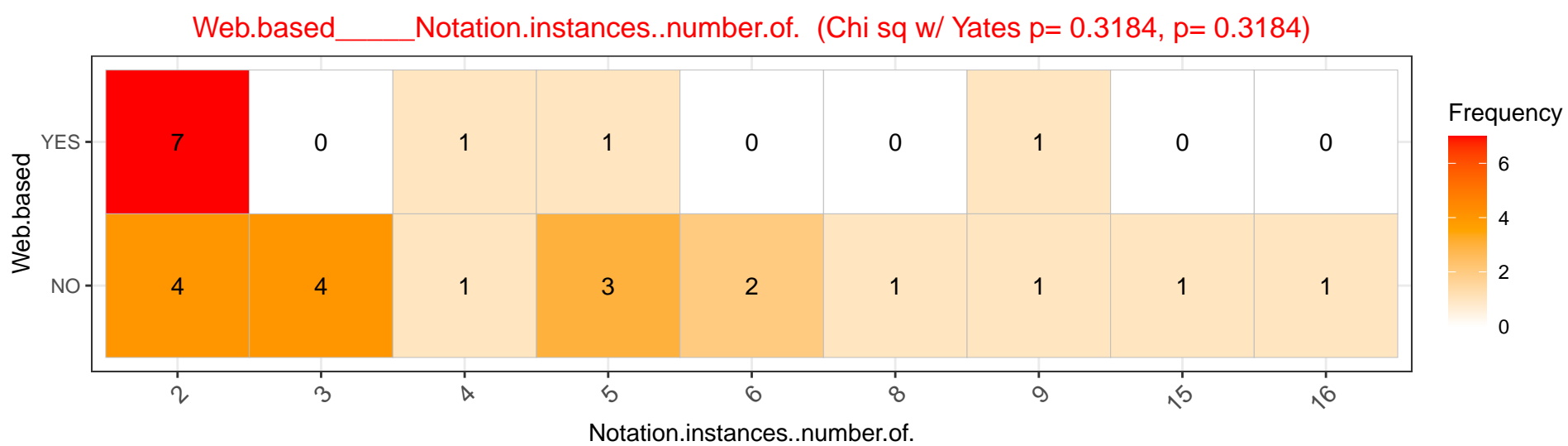


Web.based____Collaboration (Chi sq w/ Yates p= 0.0663, p= 0.0663)

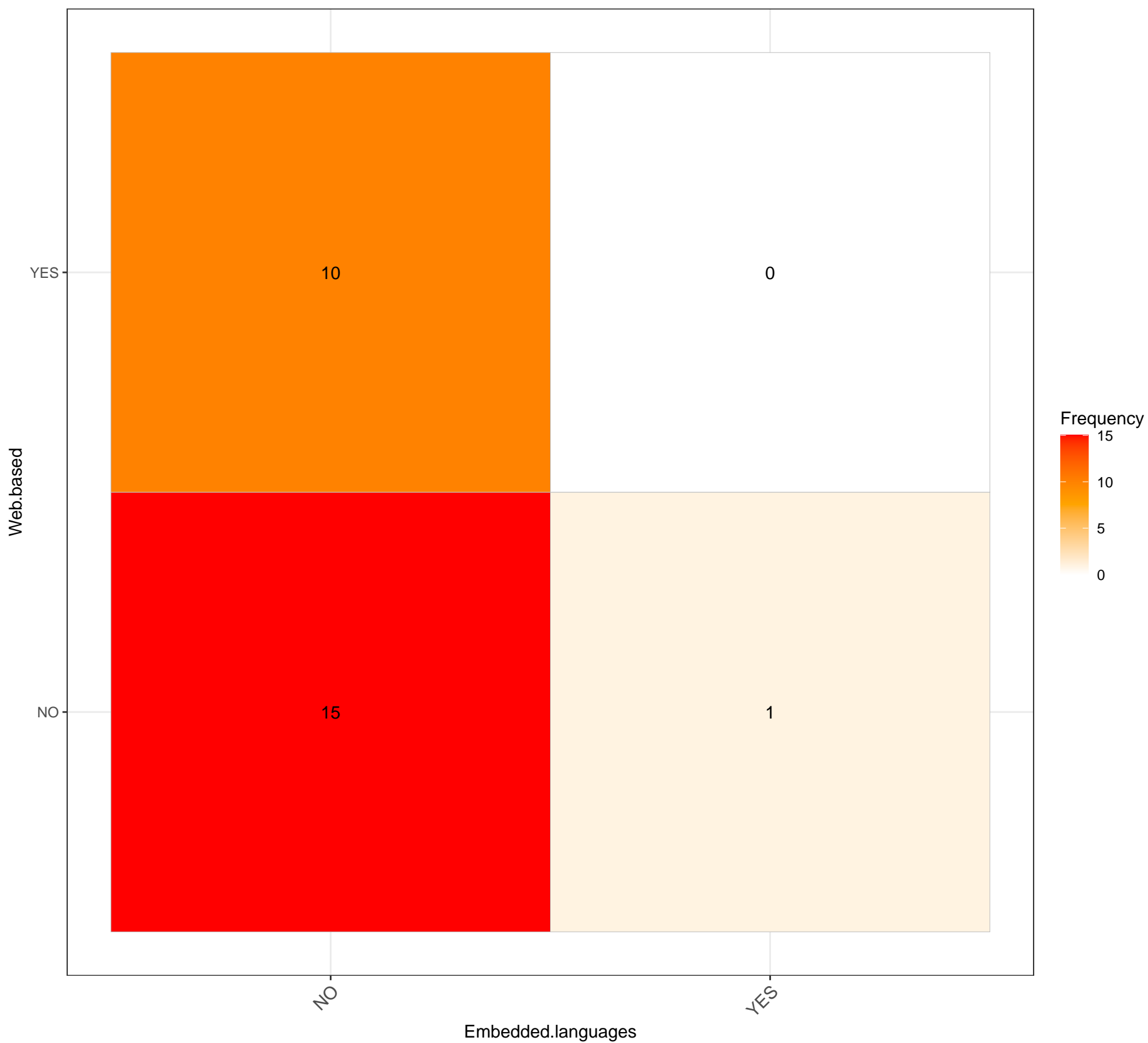


Web.based____Notation.types (Chi sq w/ Yates p= 0.3933, p= 0.3933)





Web.based____Embedded.languages (Chi sq w/ Yates p= 1, p= 0.4201)



Web.based_____Overlap (Chi sq w/ Yates p= 0.1068, p= 0.0336)

Web.based

YES

4

6

NO

1

15

COMPLETE

PARTIAL

Overlap

Frequency

15

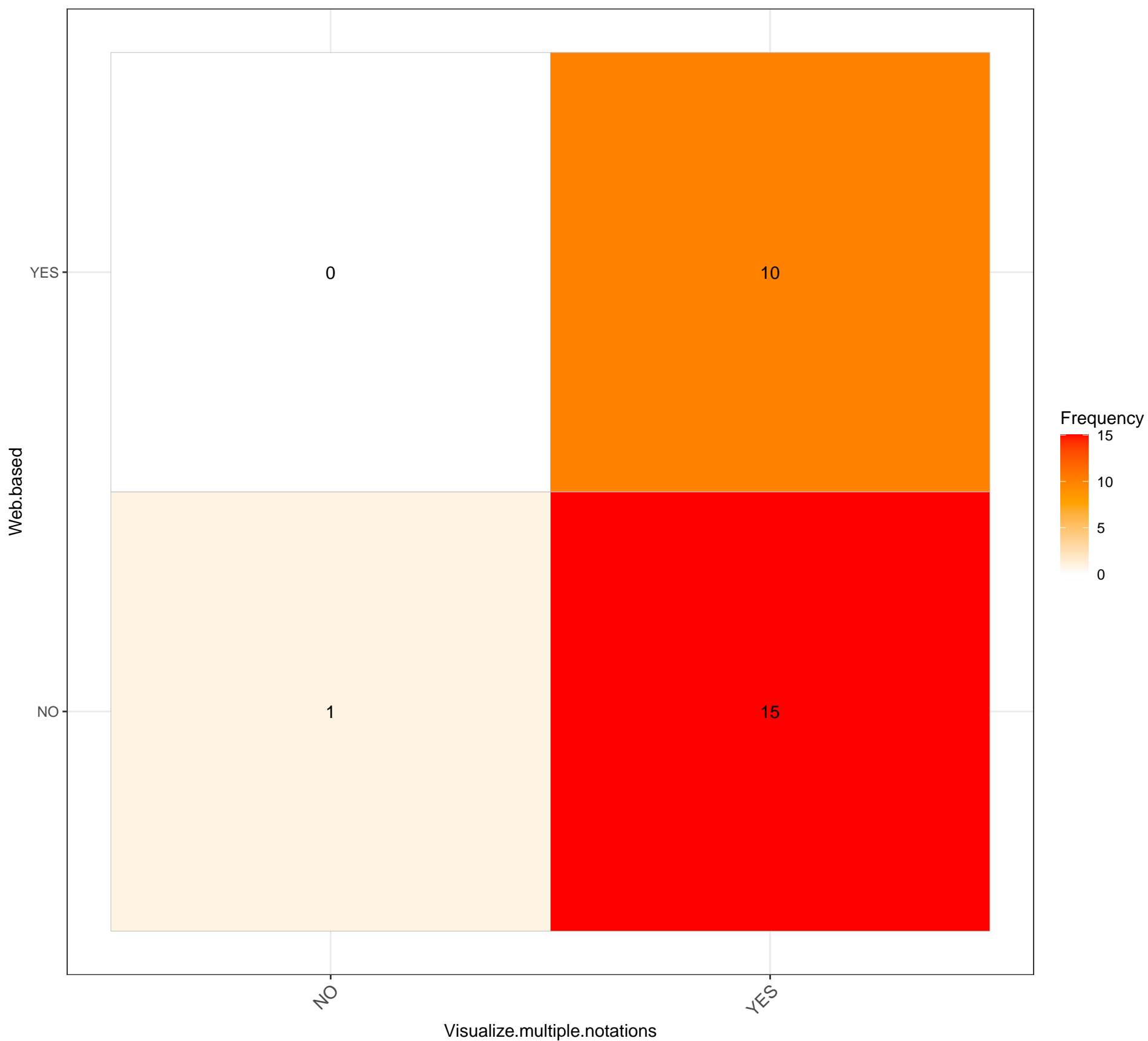
10

5

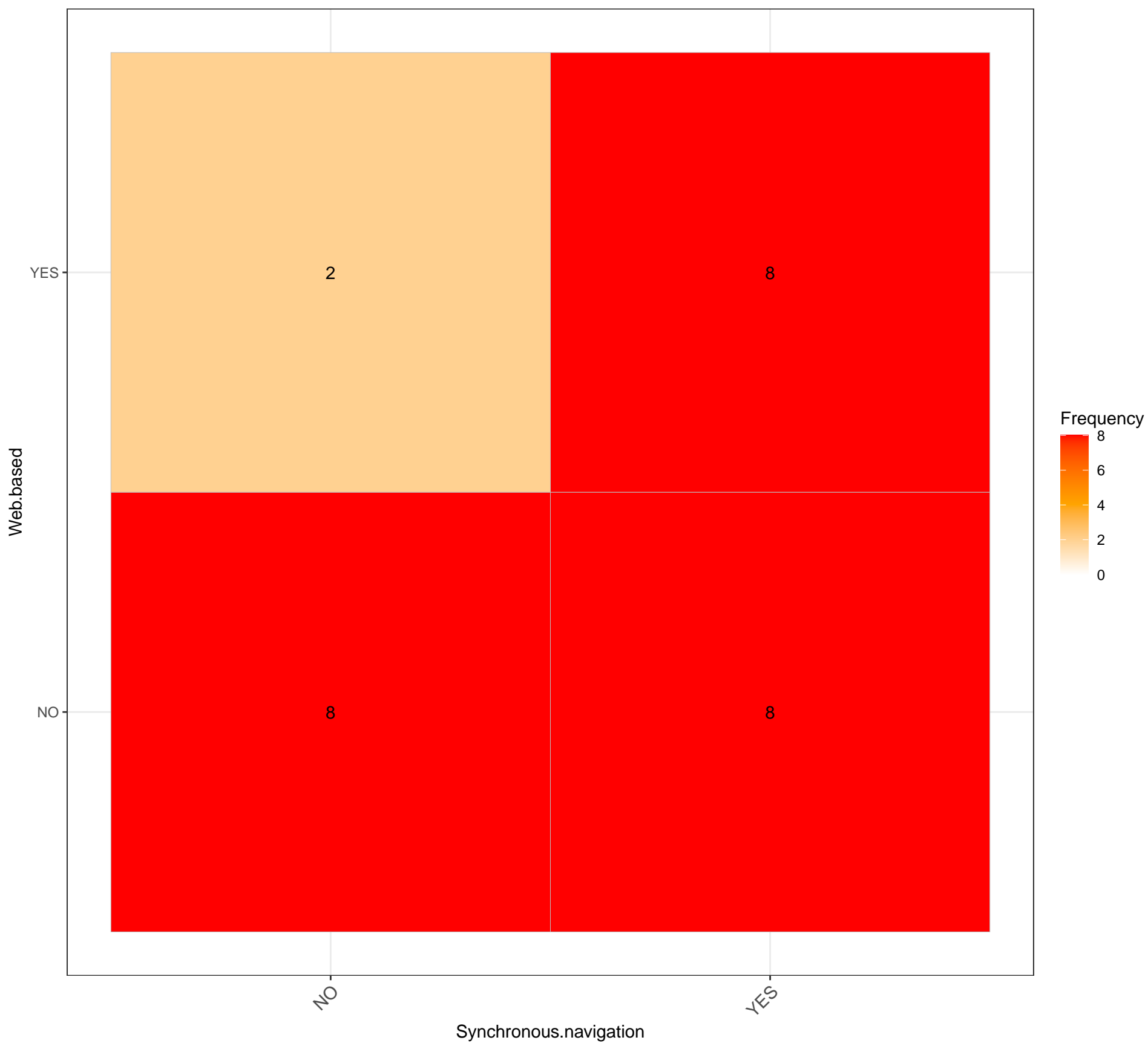
0



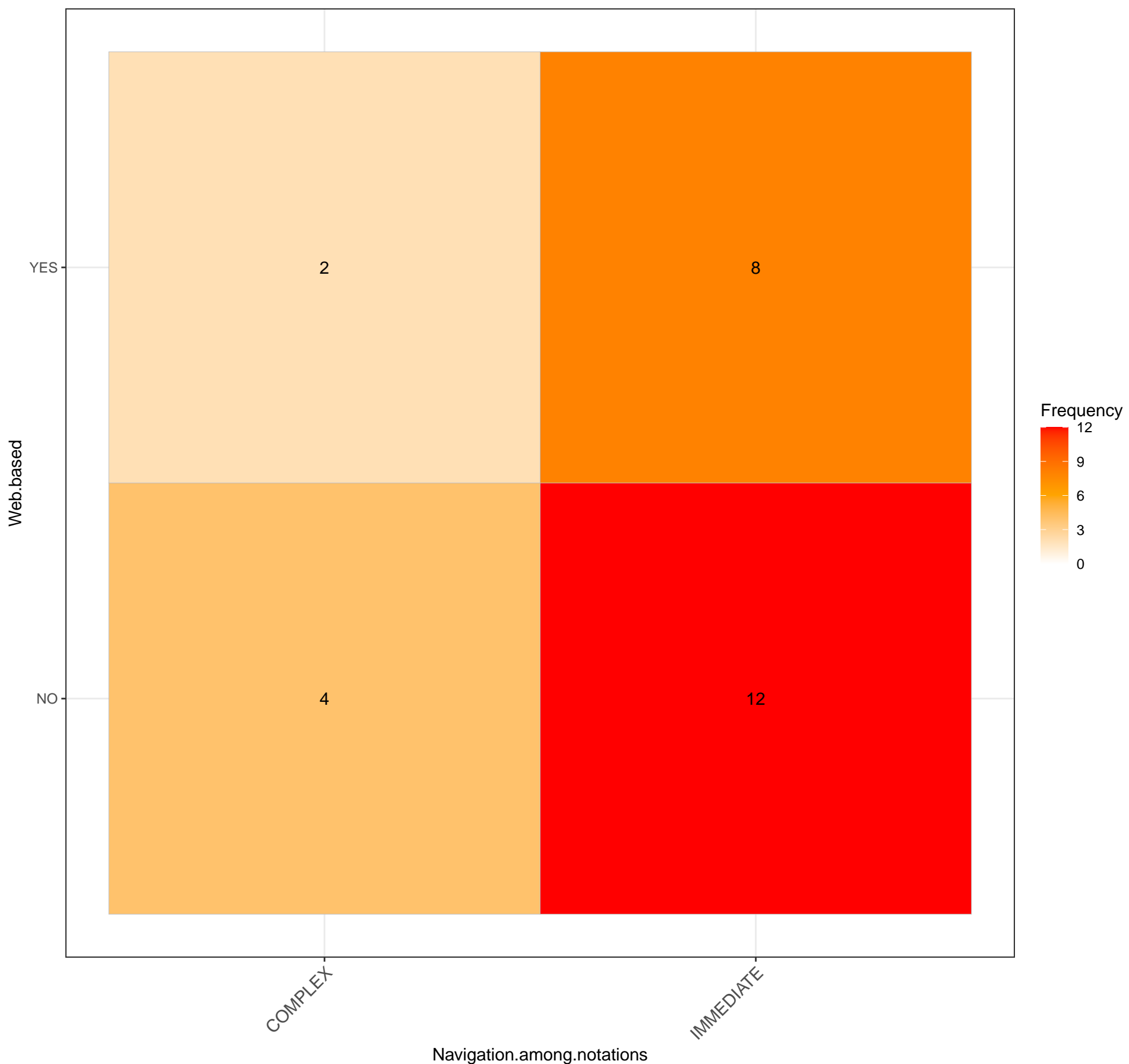
Web.based____Visualize.multiple.notations (Chi sq w/ Yates p= 1, p= 0.4201)



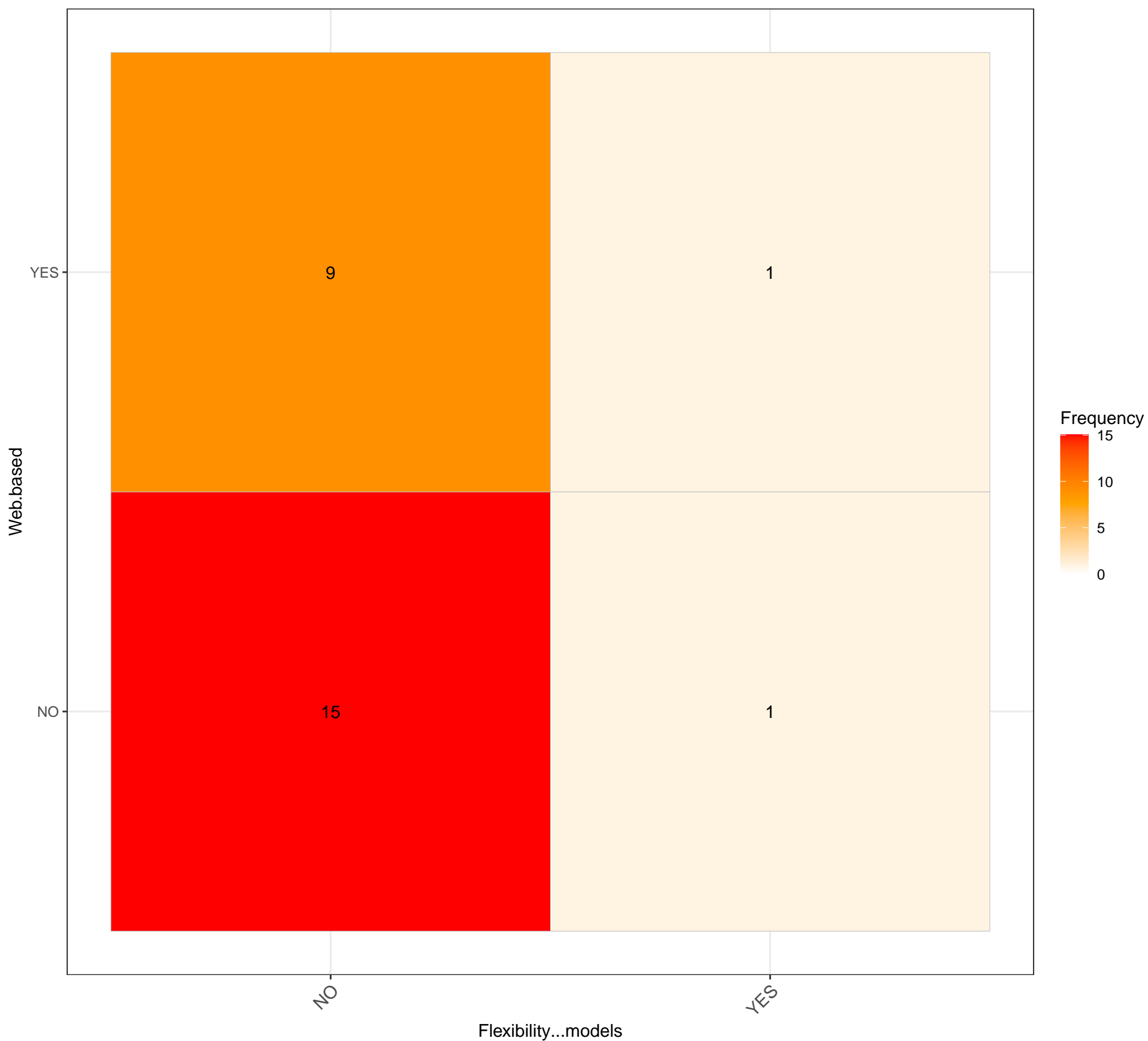
Web.based____Synchronous.navigation (Chi sq w/ Yates p= 0.2647, p= 0.1261)



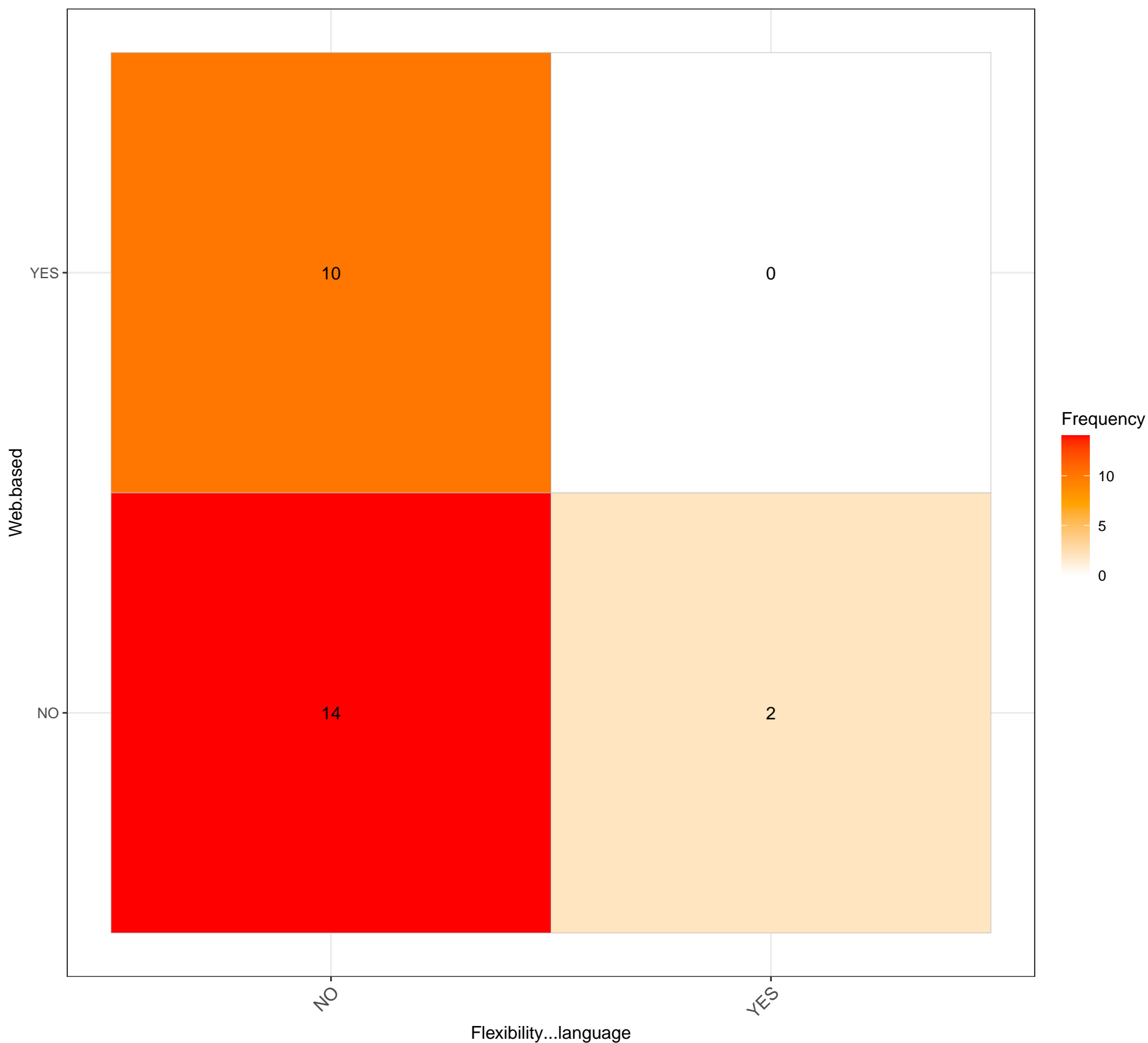
Web.based____Navigation.among.notations (Chi sq w/ Yates p= 1, p= 0.7685)



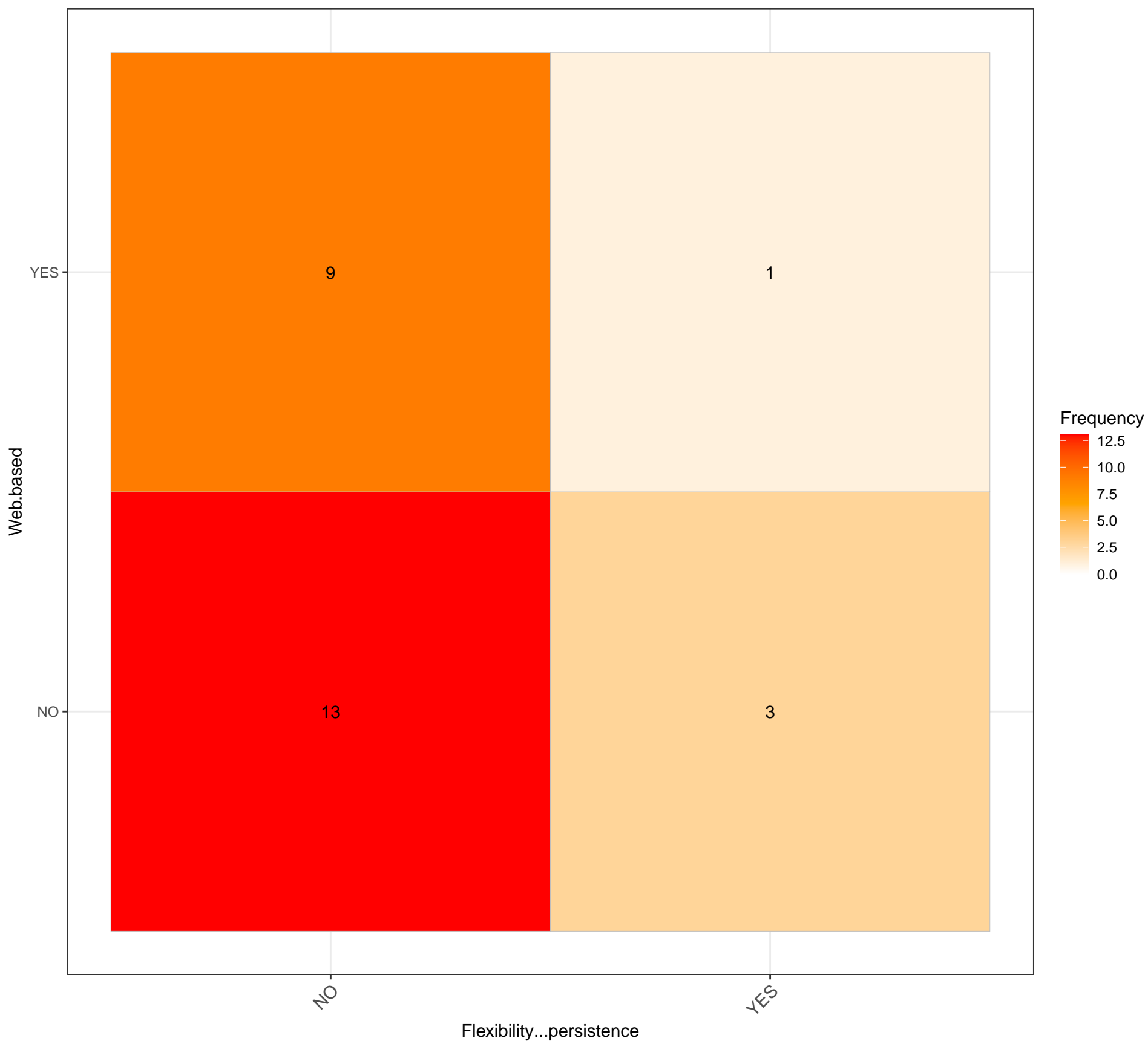
Web.based____Flexibility...models (Chi sq w/ Yates p= 1, p= 0.727)



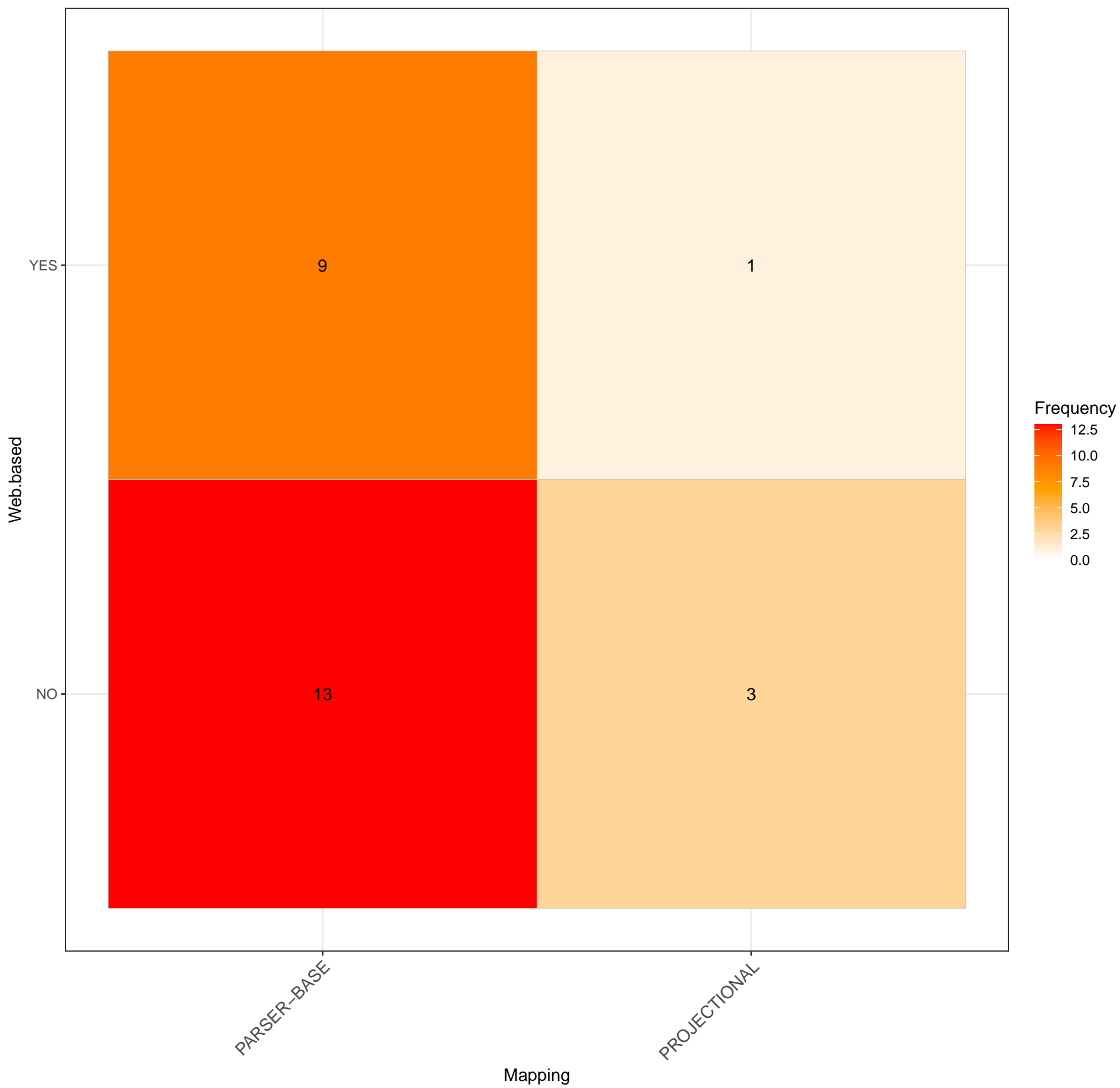
Web.based_____Flexibility...language (Chi sq w/ Yates p= 0.6838, p= 0.2446)



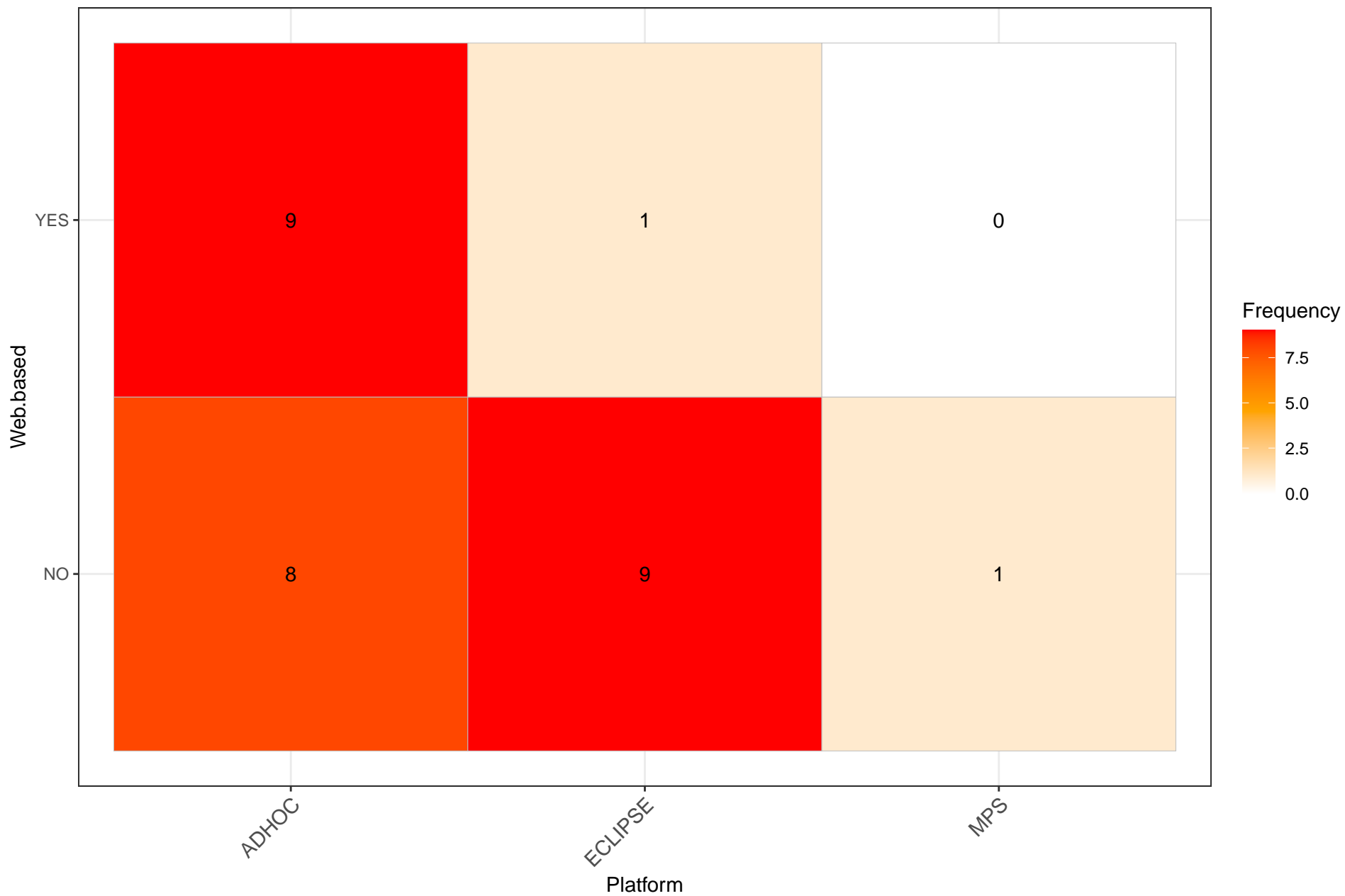
Web.based_____Flexibility...persistence (Chi sq w/ Yates p= 0.9657, p= 0.5474)



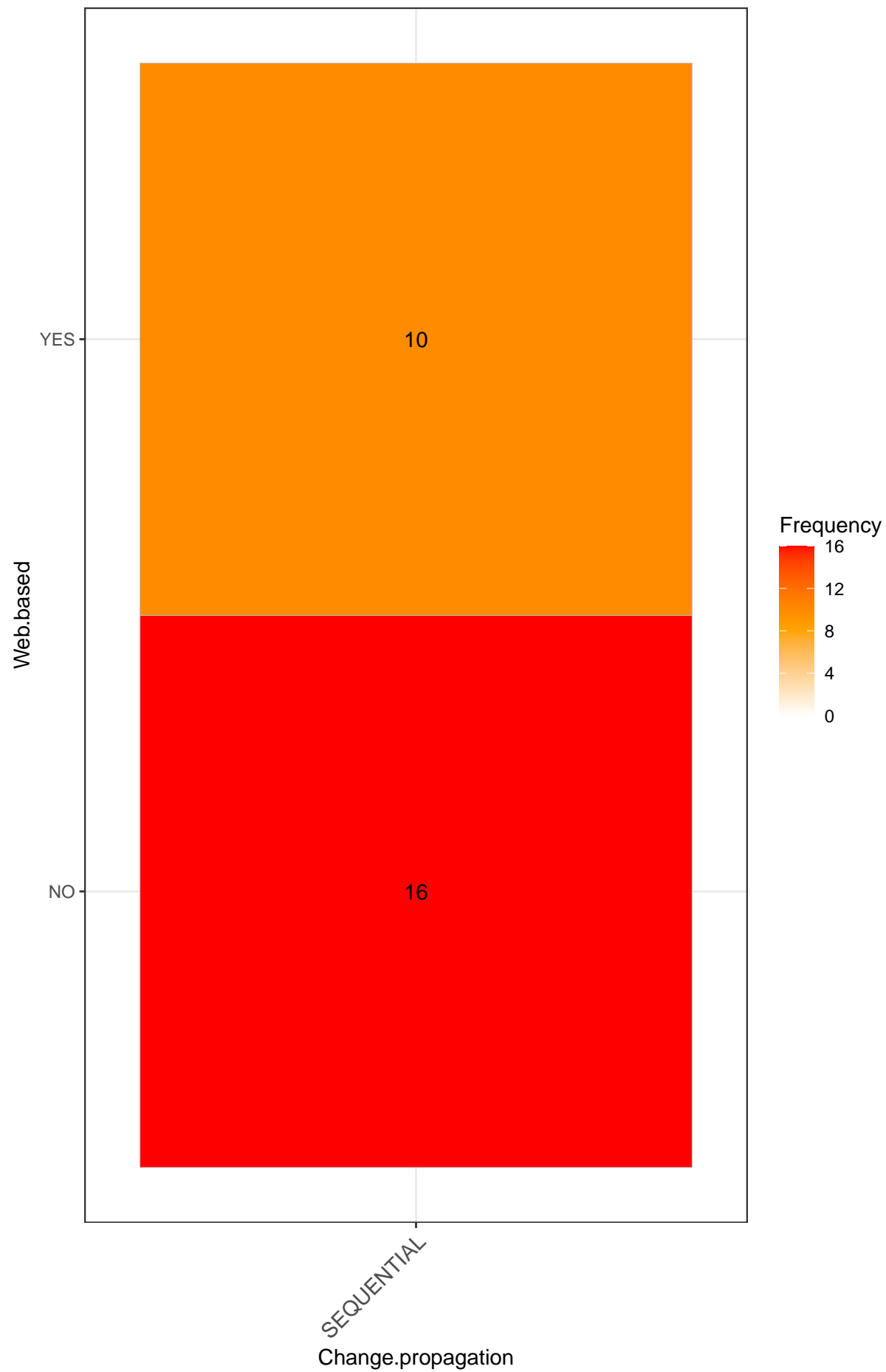
Web.based_____Mapping (Chi sq w/ Yates p= 0.9657, p= 0.5474)



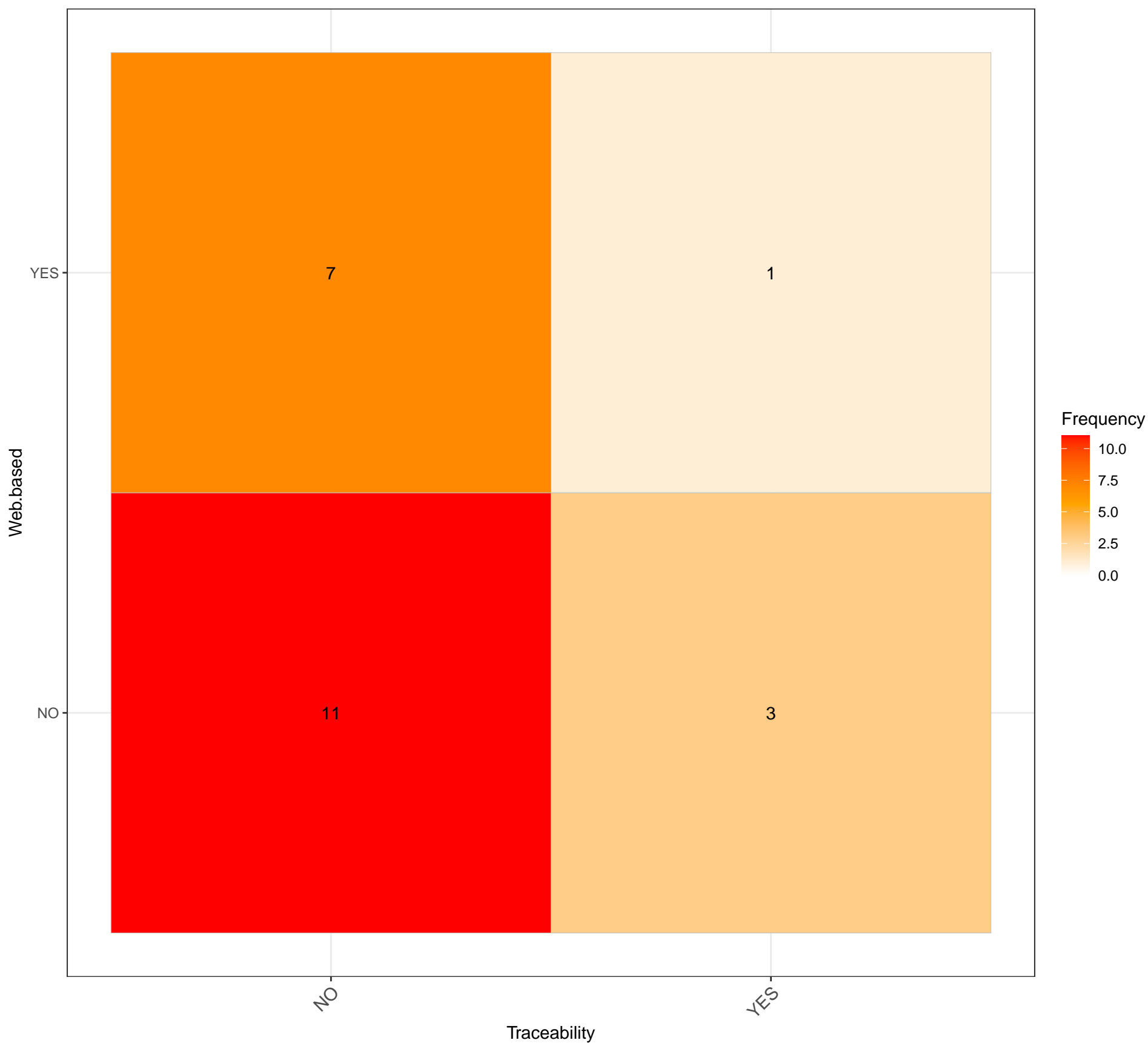
Web.based____Platform (Chi sq w/ Yates p= 0.0598, p= 0.0598)



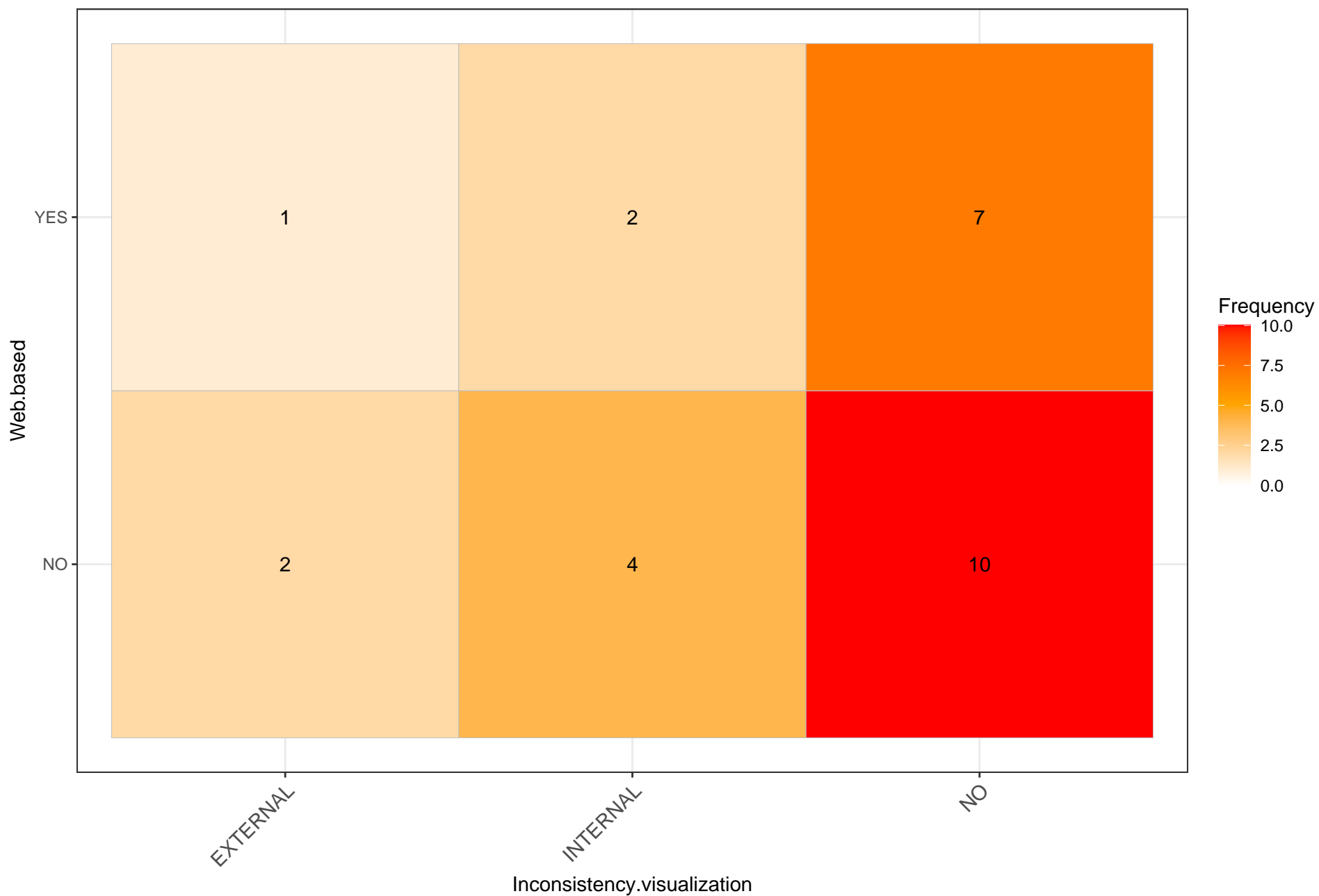
Web.based_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)



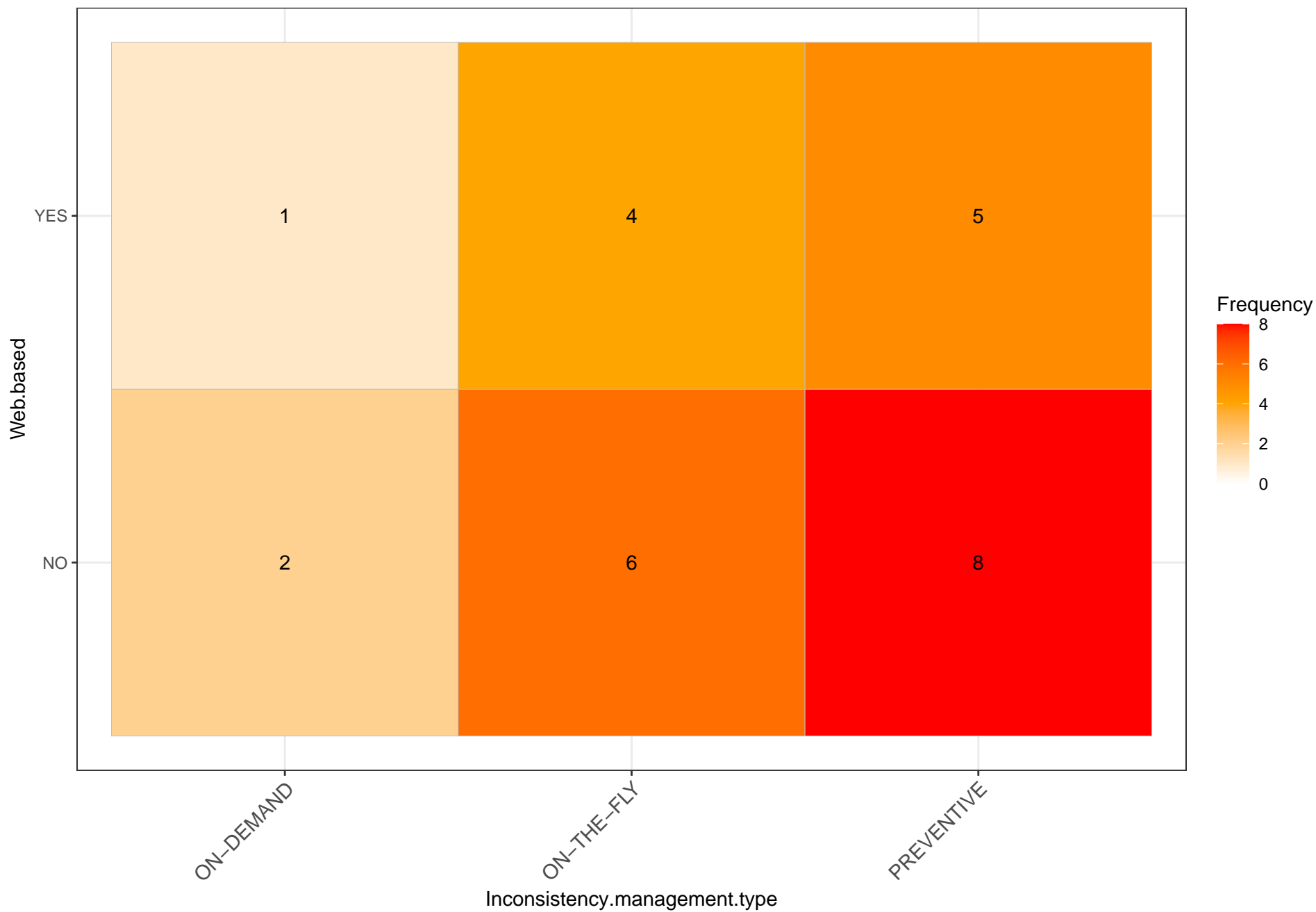
Web.based_____Traceability (Chi sq w/ Yates p= 1, p= 0.6014)



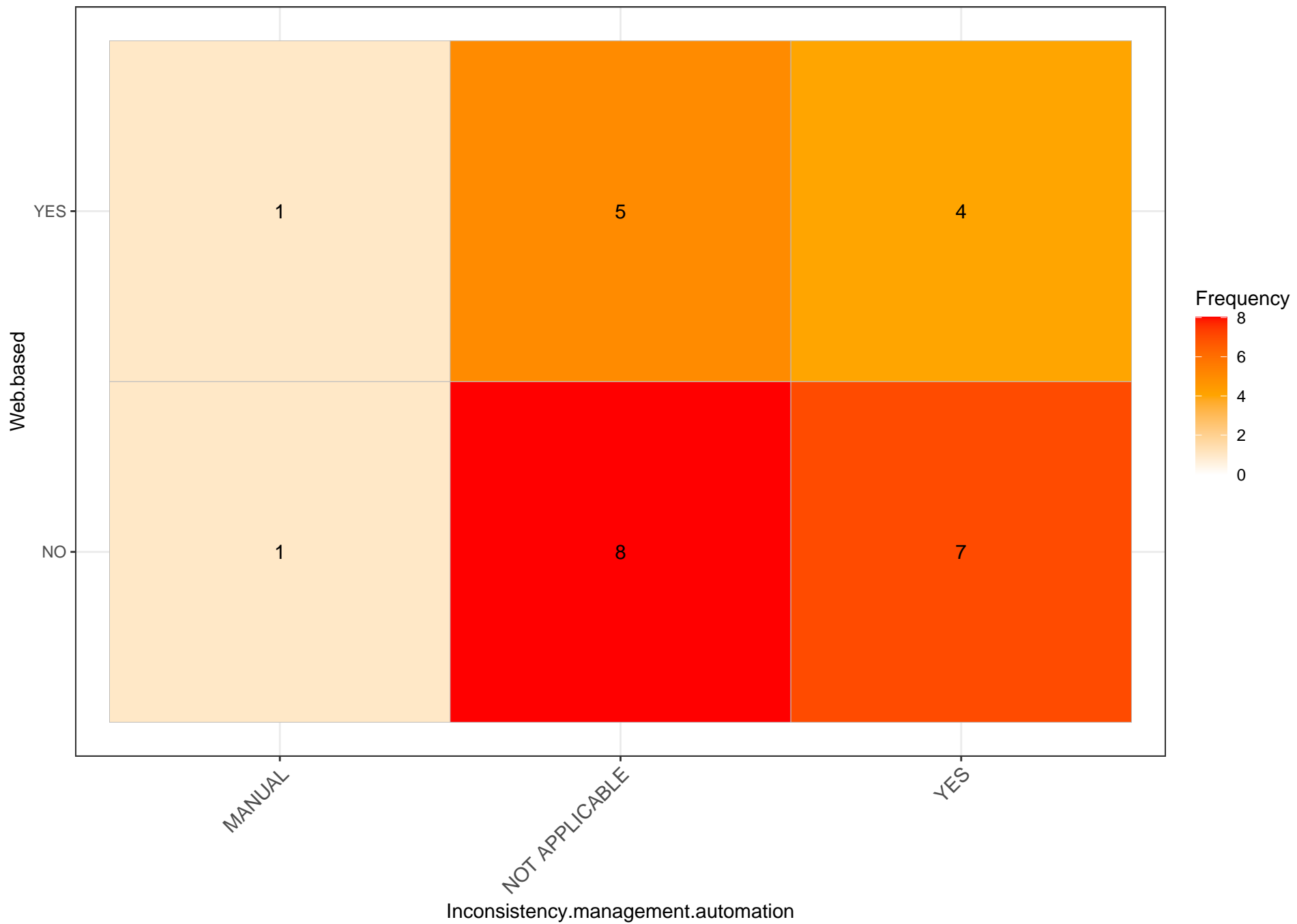
Web.based_____Inconsistency.visualization (Chi sq w/ Yates p= 0.9264, p= 0.9264)



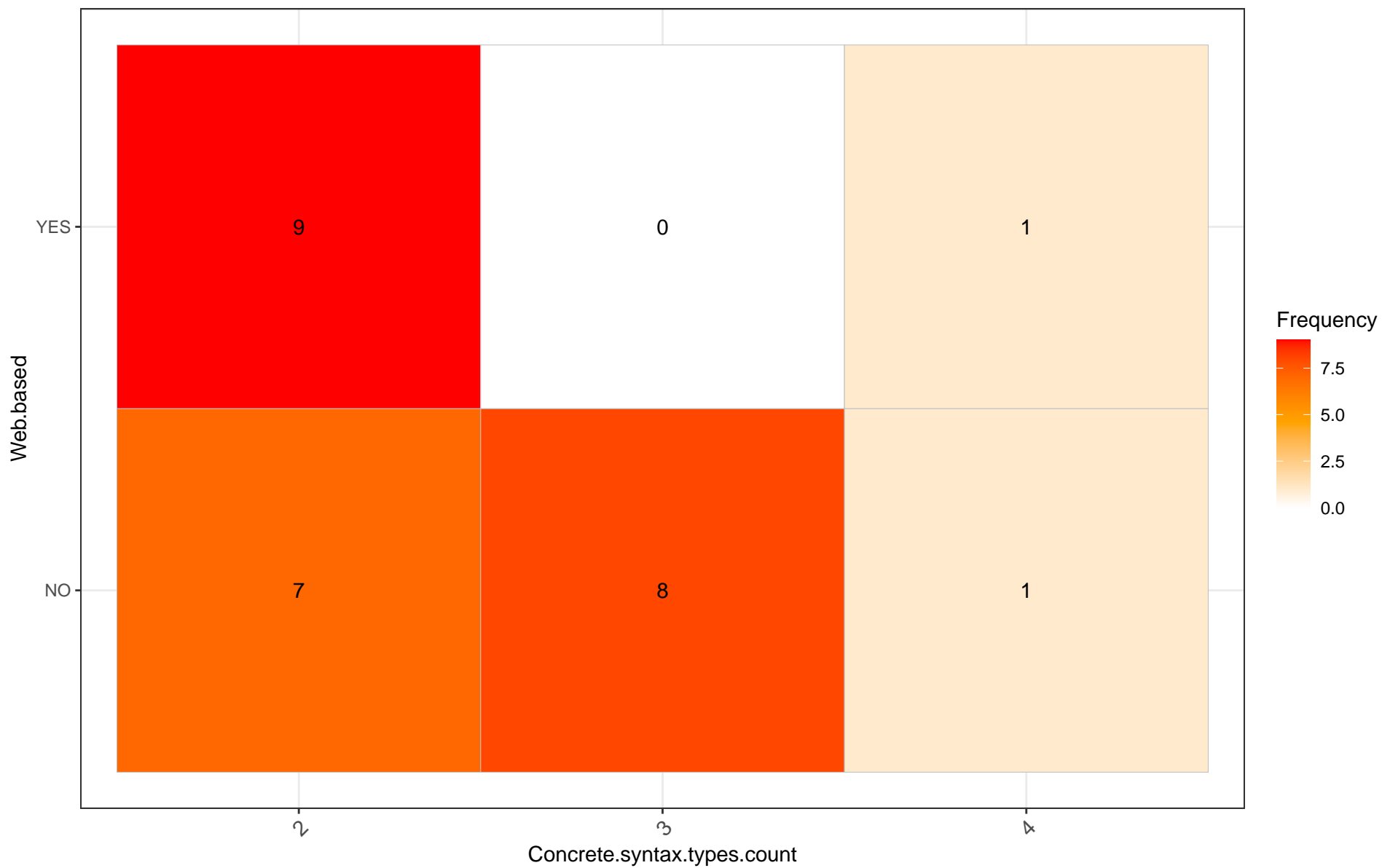
Web.based_____Inconsistency.management.type (Chi sq w/ Yates p= 0.9786, p= 0.9786)



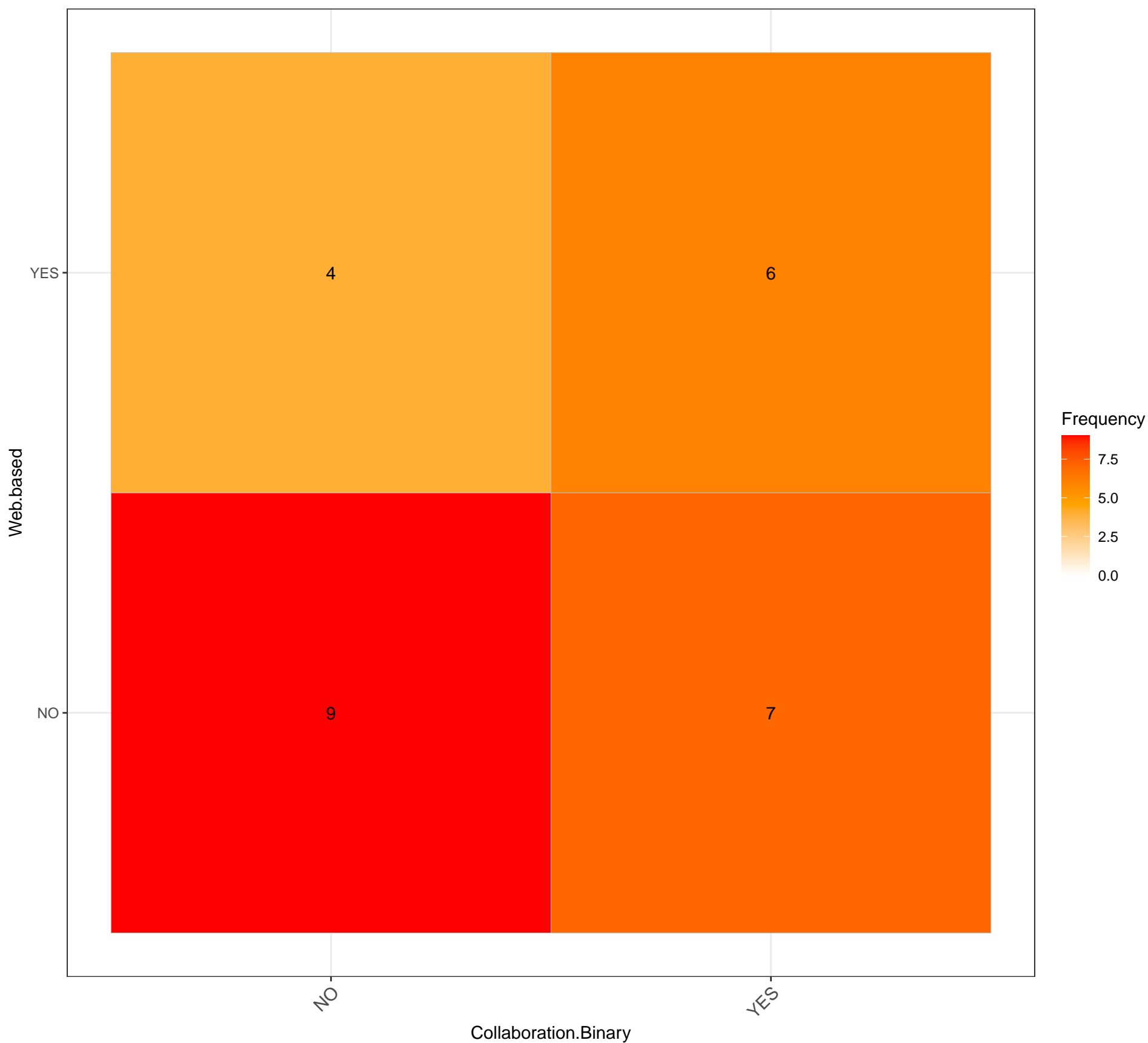
Web.based_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.9357, p= 0.9357)



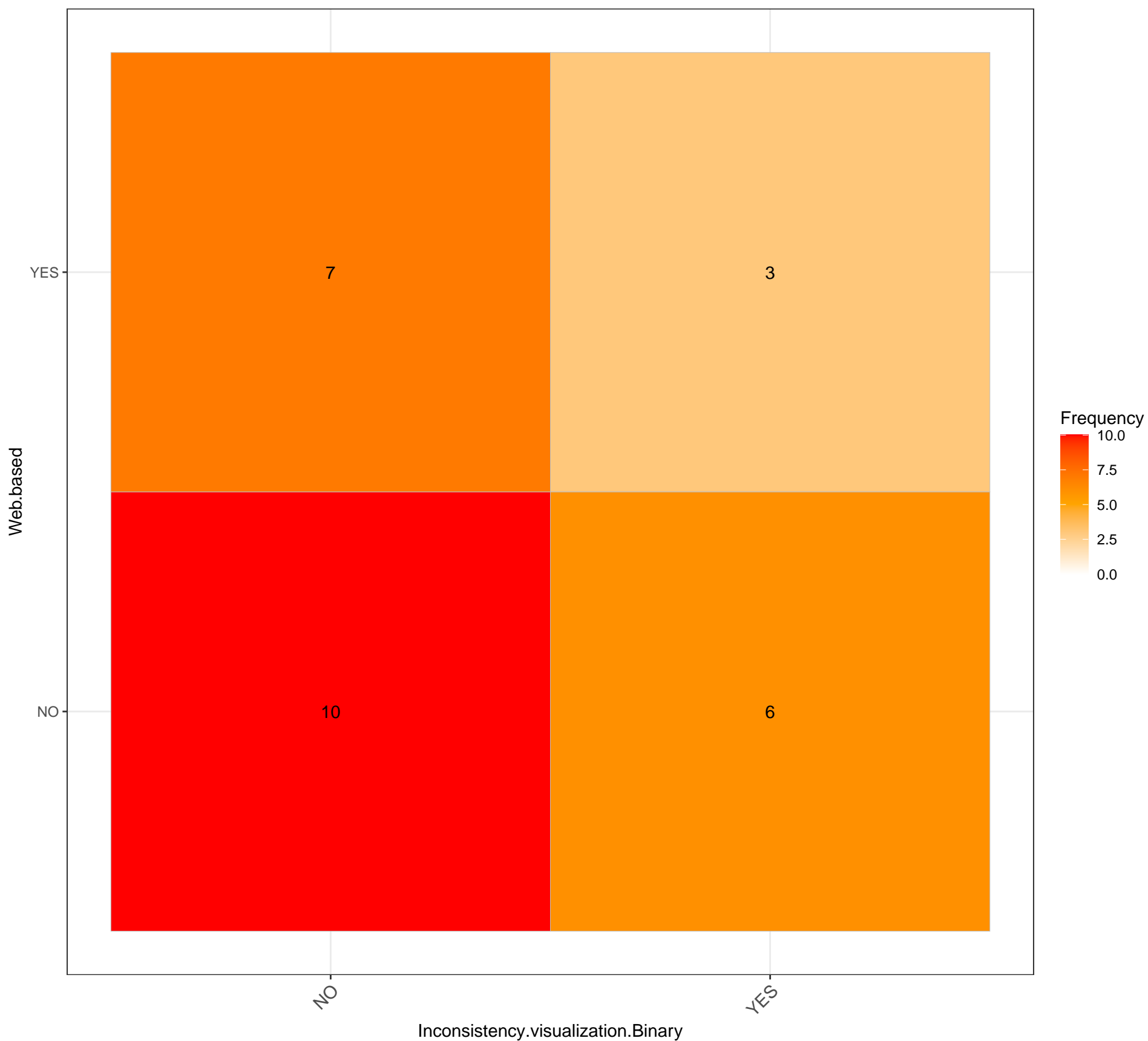
Web.based_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.0266, p= 0.0266)



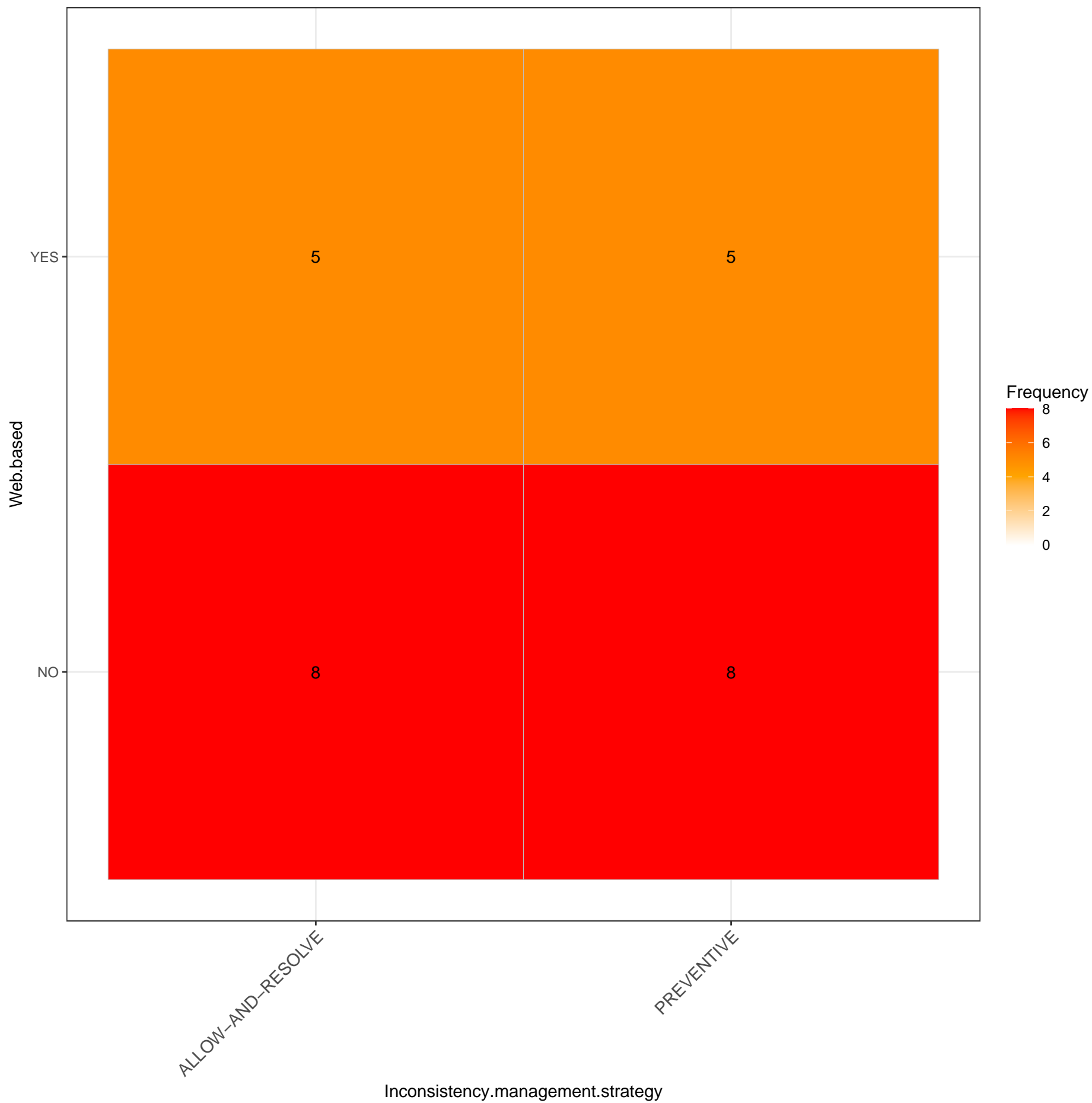
Web.based____Collaboration.Binary (Chi sq w/ Yates p= 0.6869, p= 0.4201)



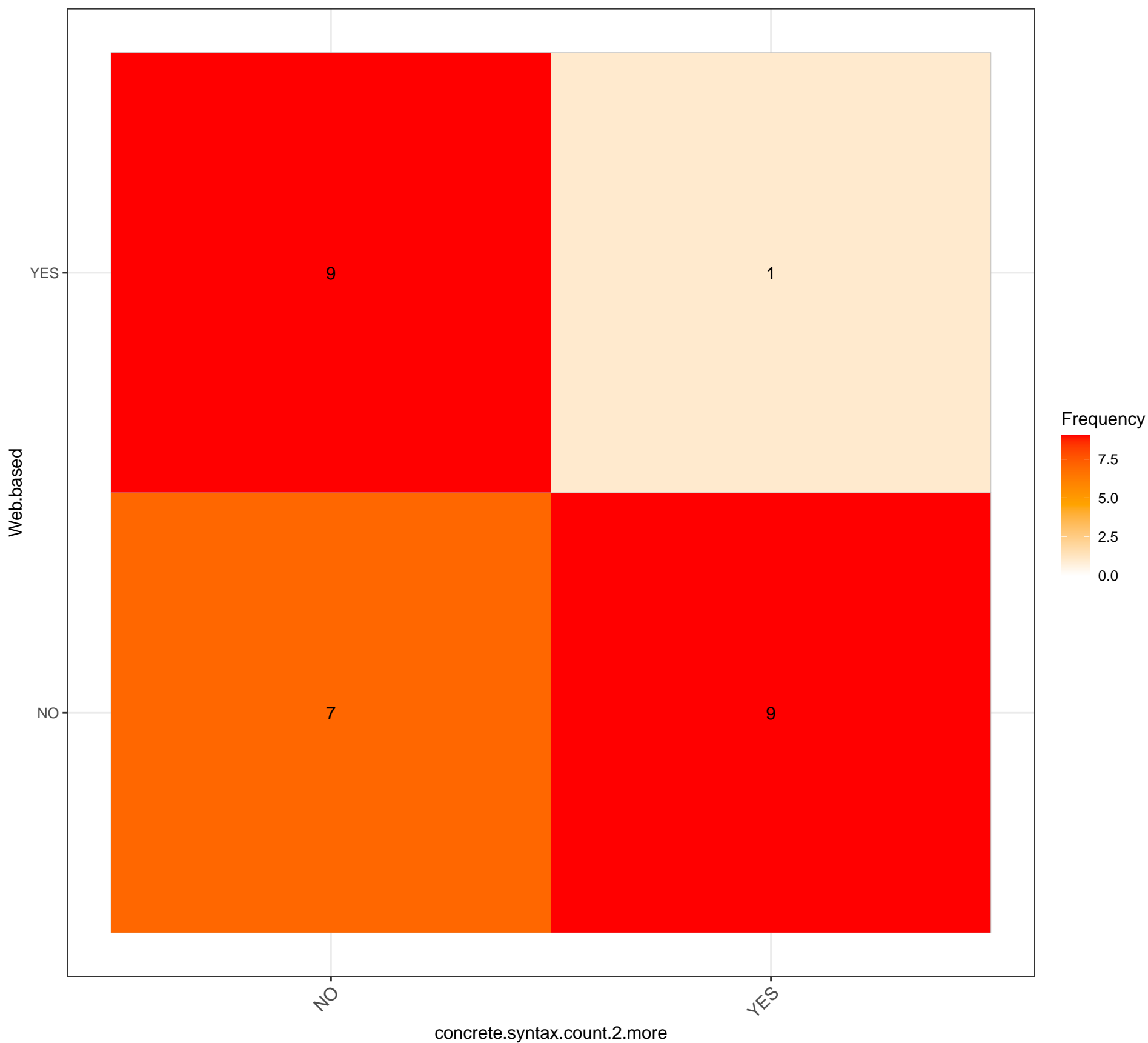
Web.based_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 1, p= 0.6957)



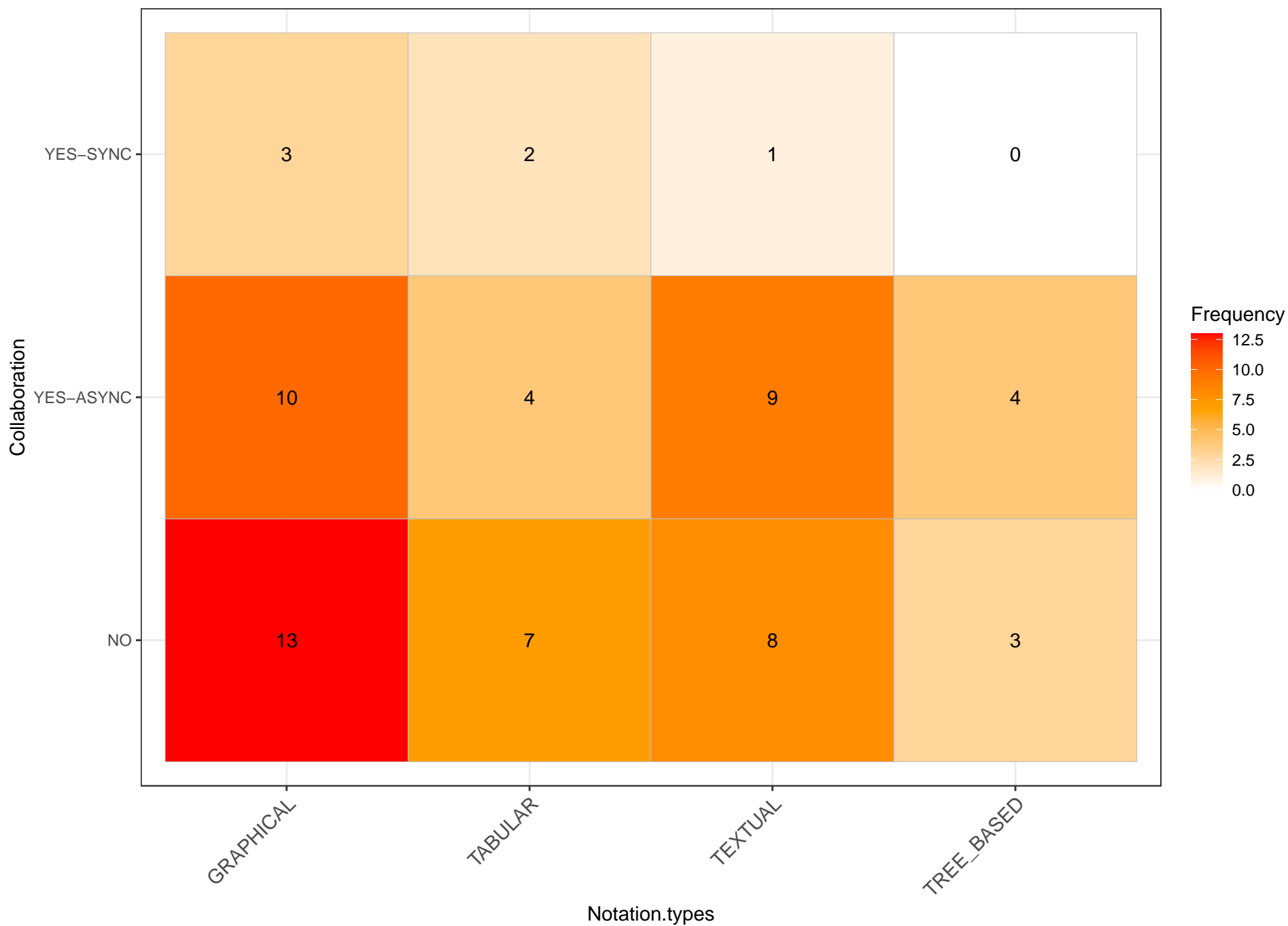
Web.based_____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 1)



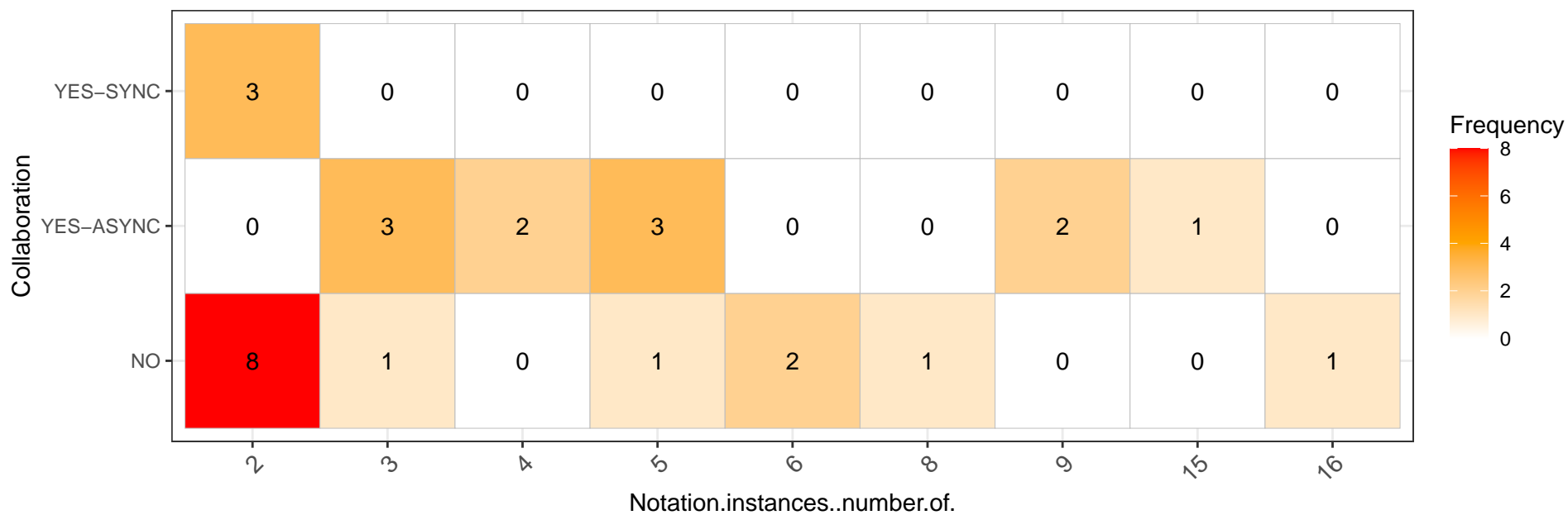
Web.based____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.0519, p= 0.0184)



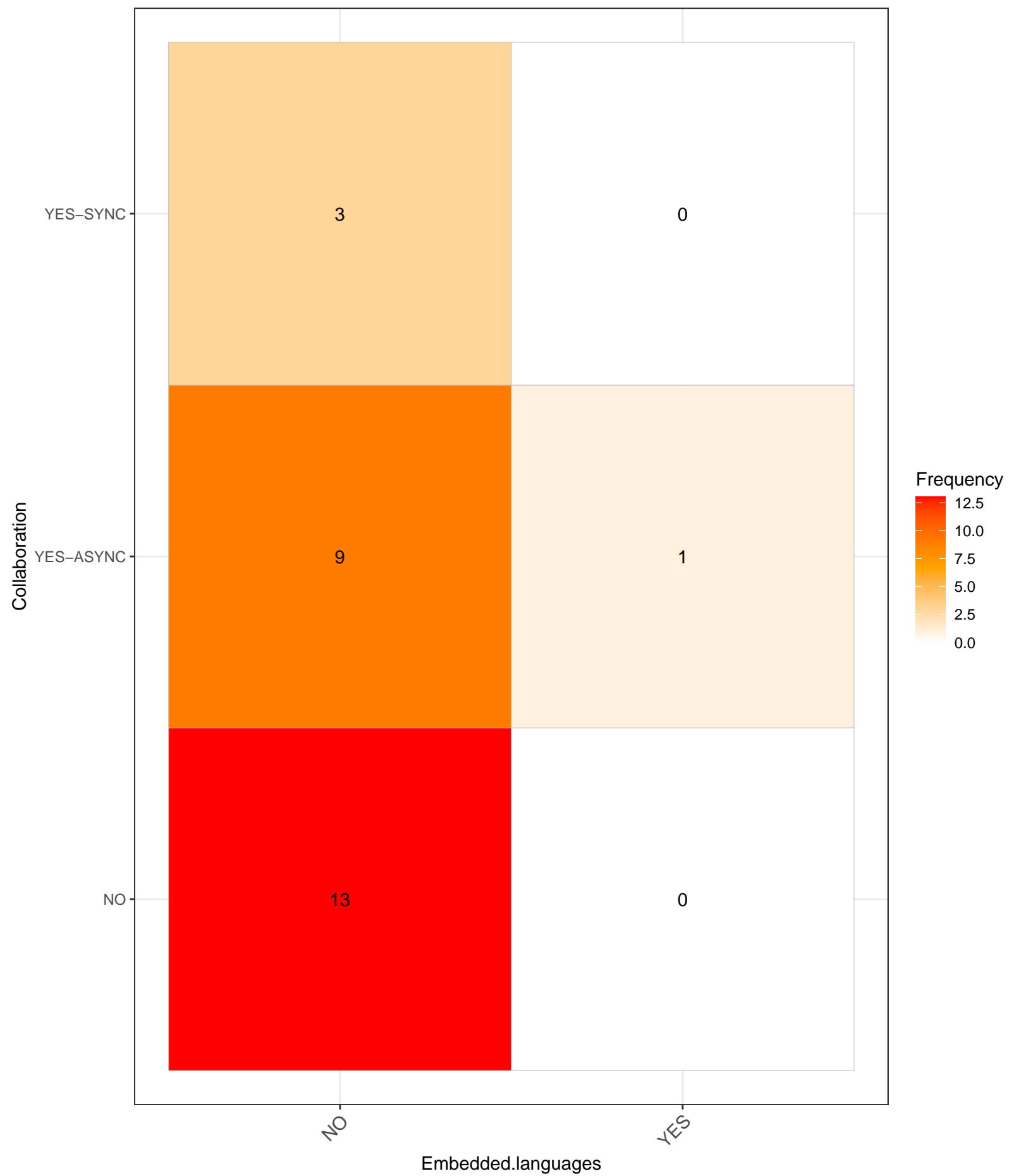
Collaboration____Notation.types (Chi sq w/ Yates p= 0.8235, p= 0.8235)



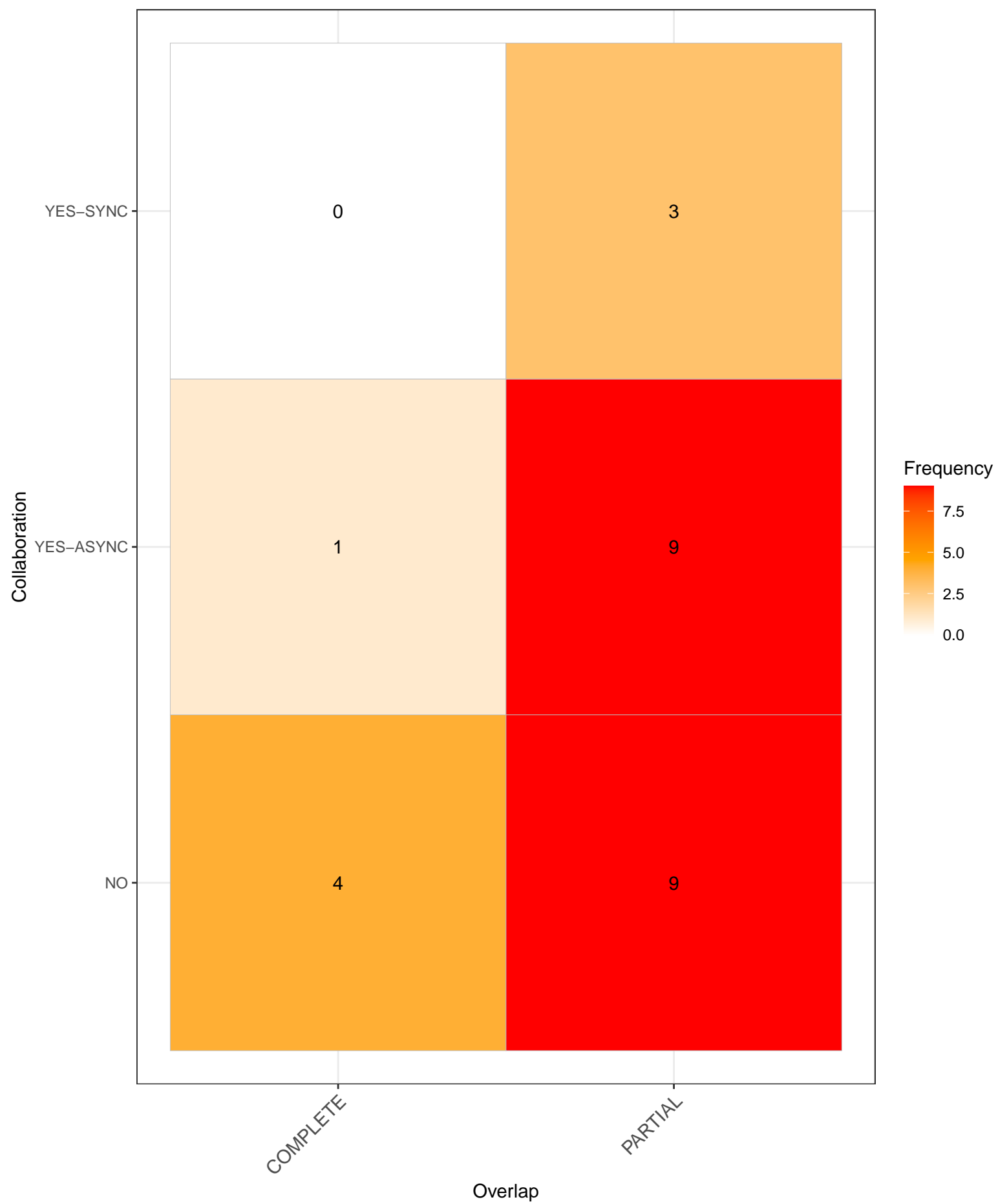
Collaboration____Notation.instances..number.of. (Chi sq w/ Yates p= 0.08, p= 0.08)



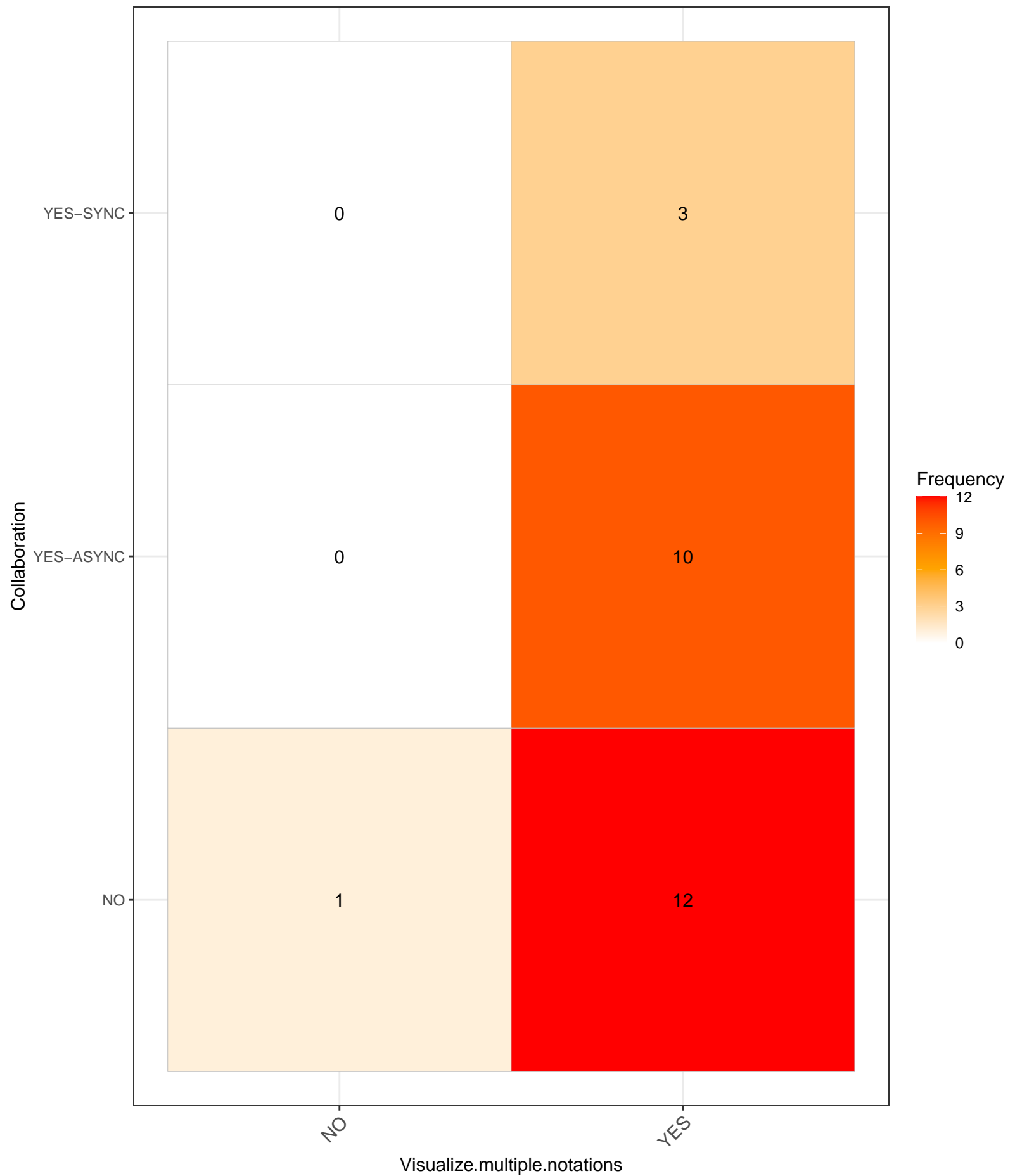
Collaboration_____Embedded.languages (Chi sq w/ Yates p= 0.4352, p= 0.4352)



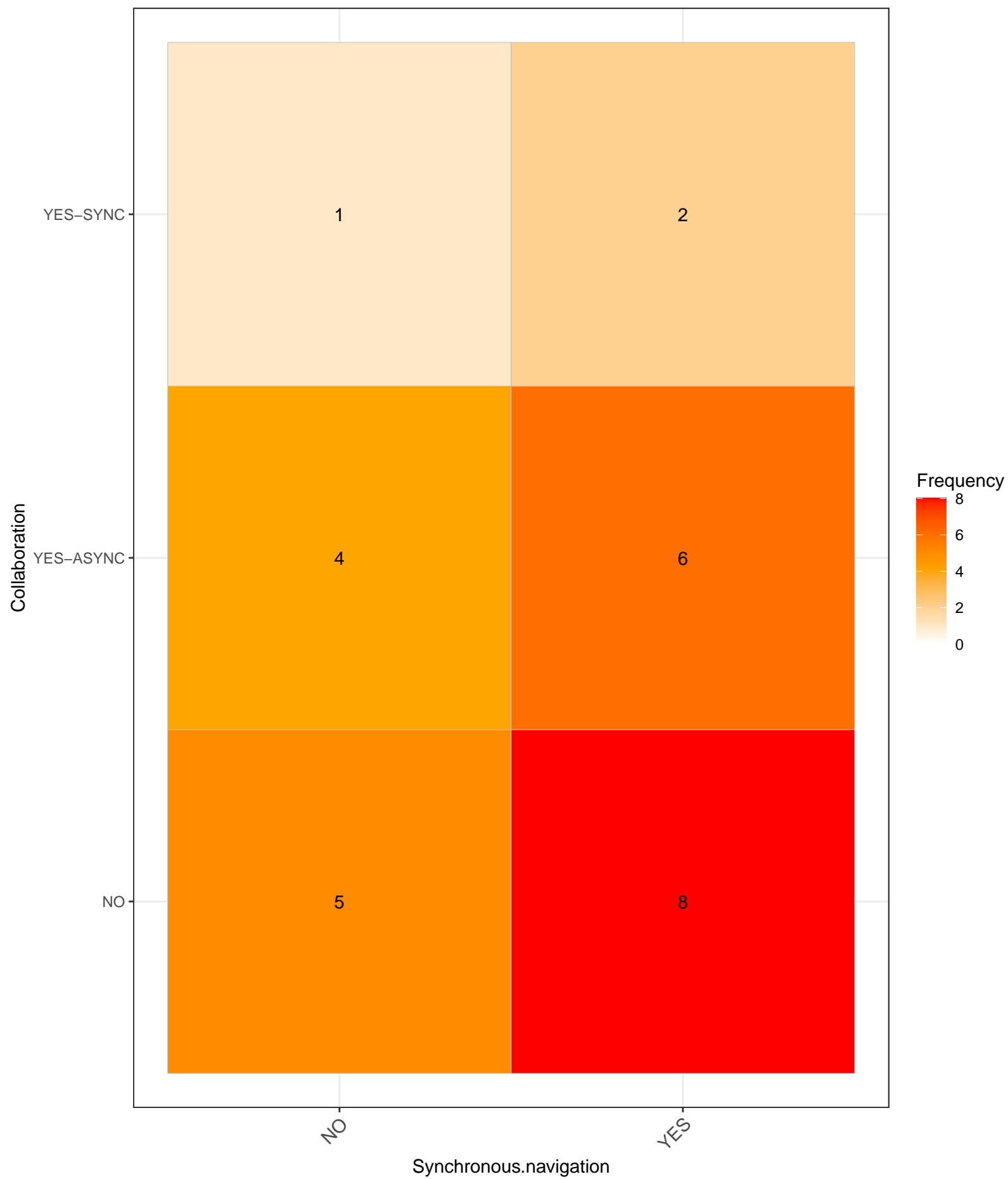
Collaboration_____Overlap (Chi sq w/ Yates p= 0.3047, p= 0.3047)



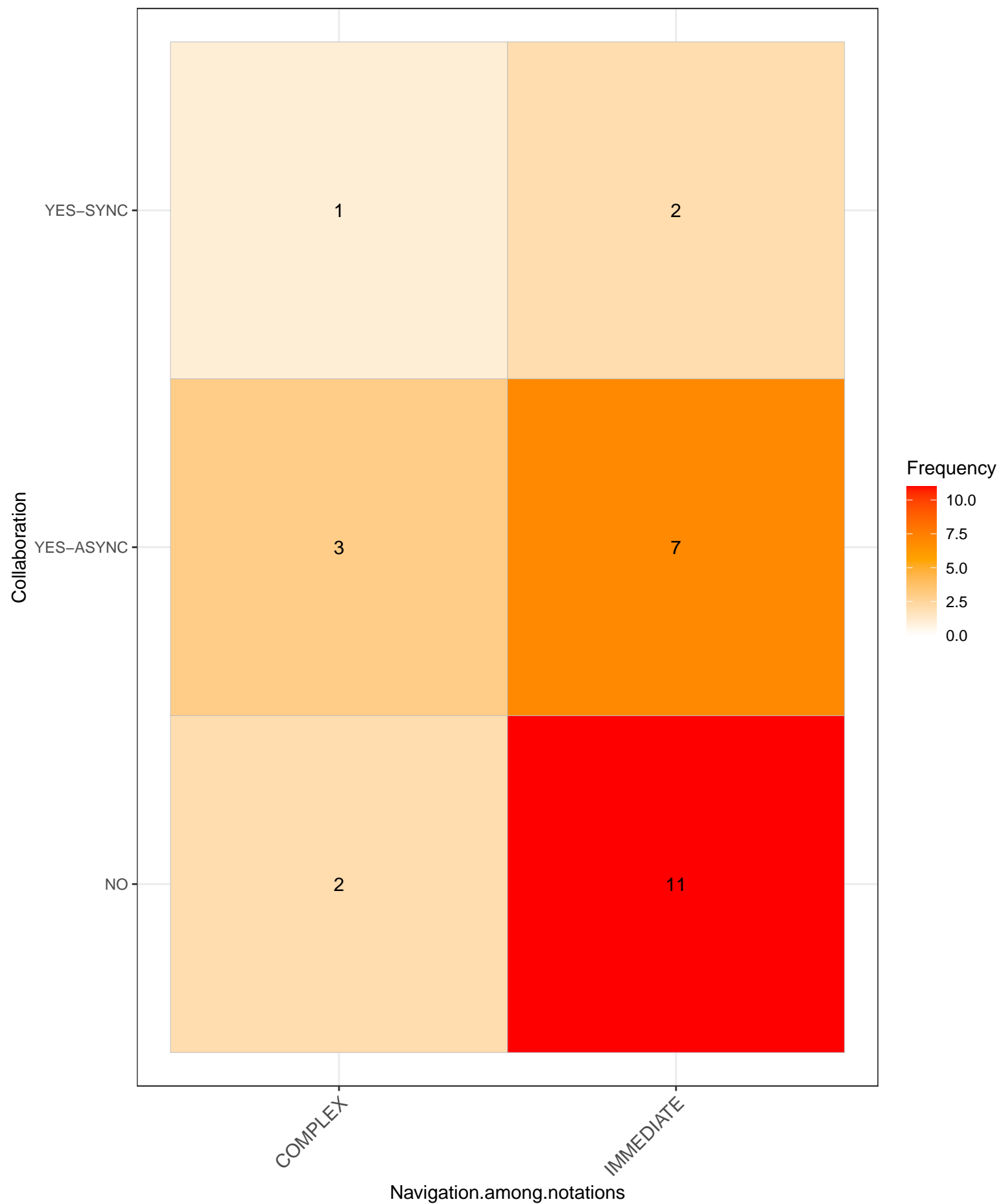
Collaboration_____Visualize.multiple.notations (Chi sq w/ Yates p= 0.5945, p= 0.5945)



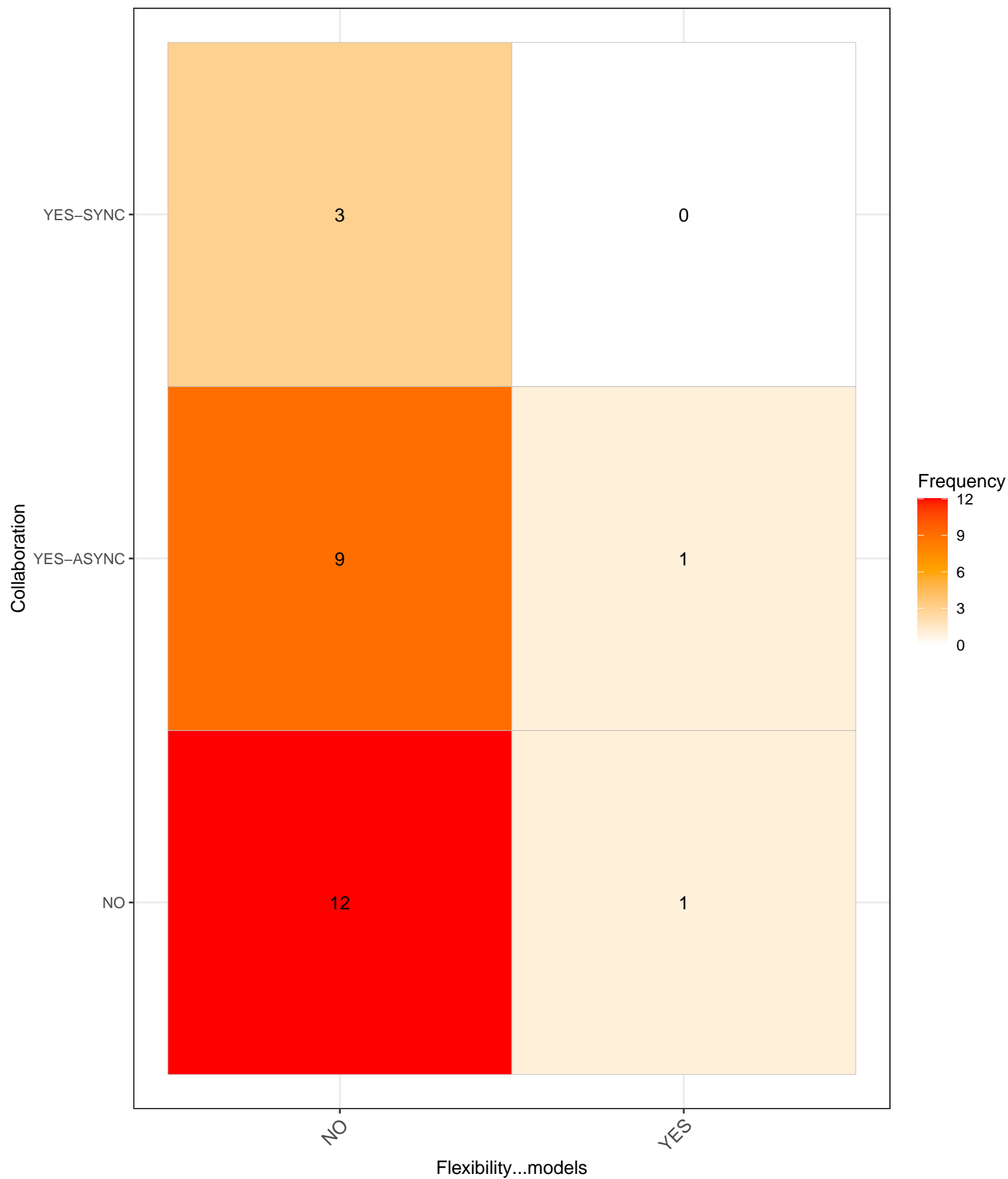
Collaboration_____Synchronous.navigation (Chi sq w/ Yates p= 0.9786, p= 0.9786)



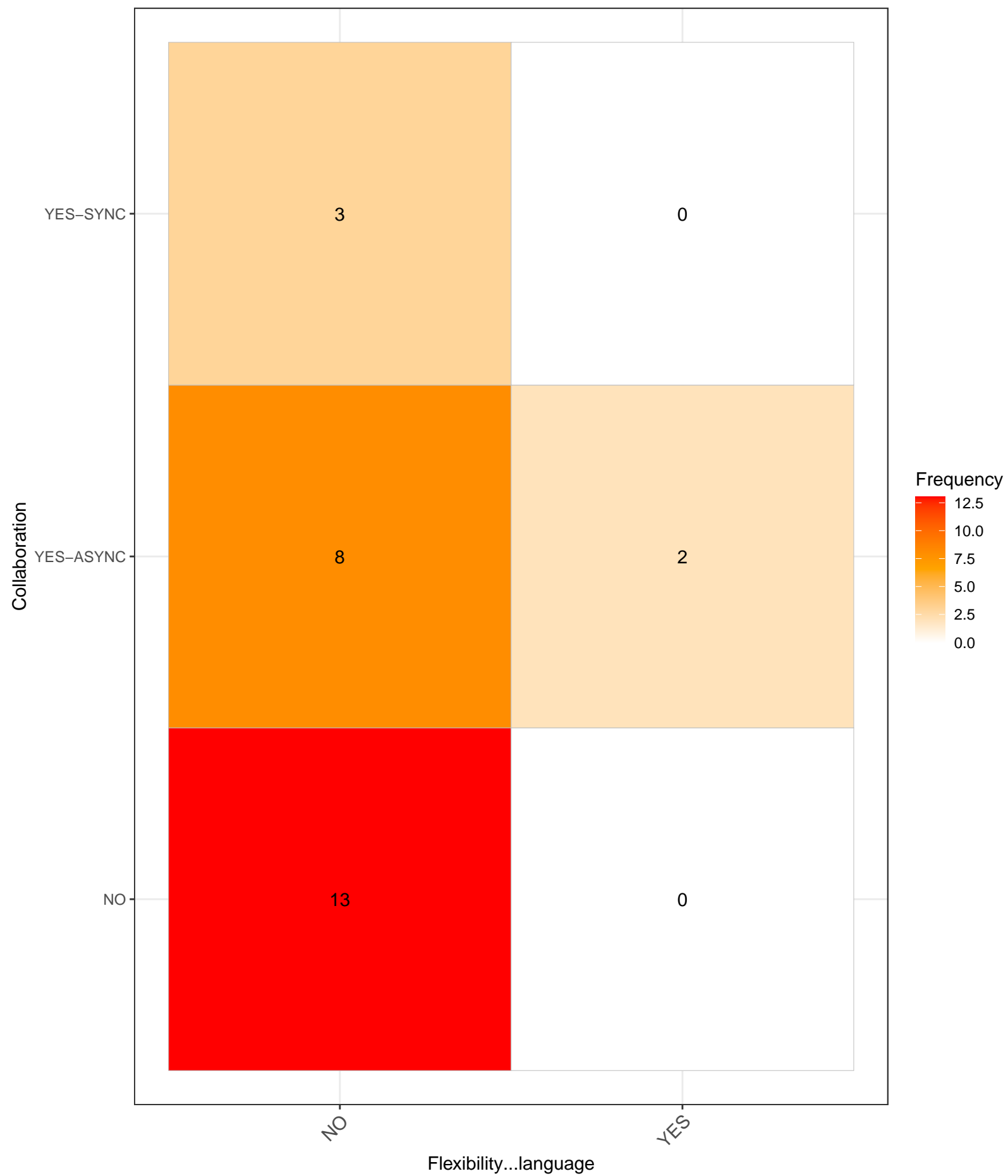
Collaboration____Navigation.among.notations (Chi sq w/ Yates p= 0.6437, p= 0.6437)



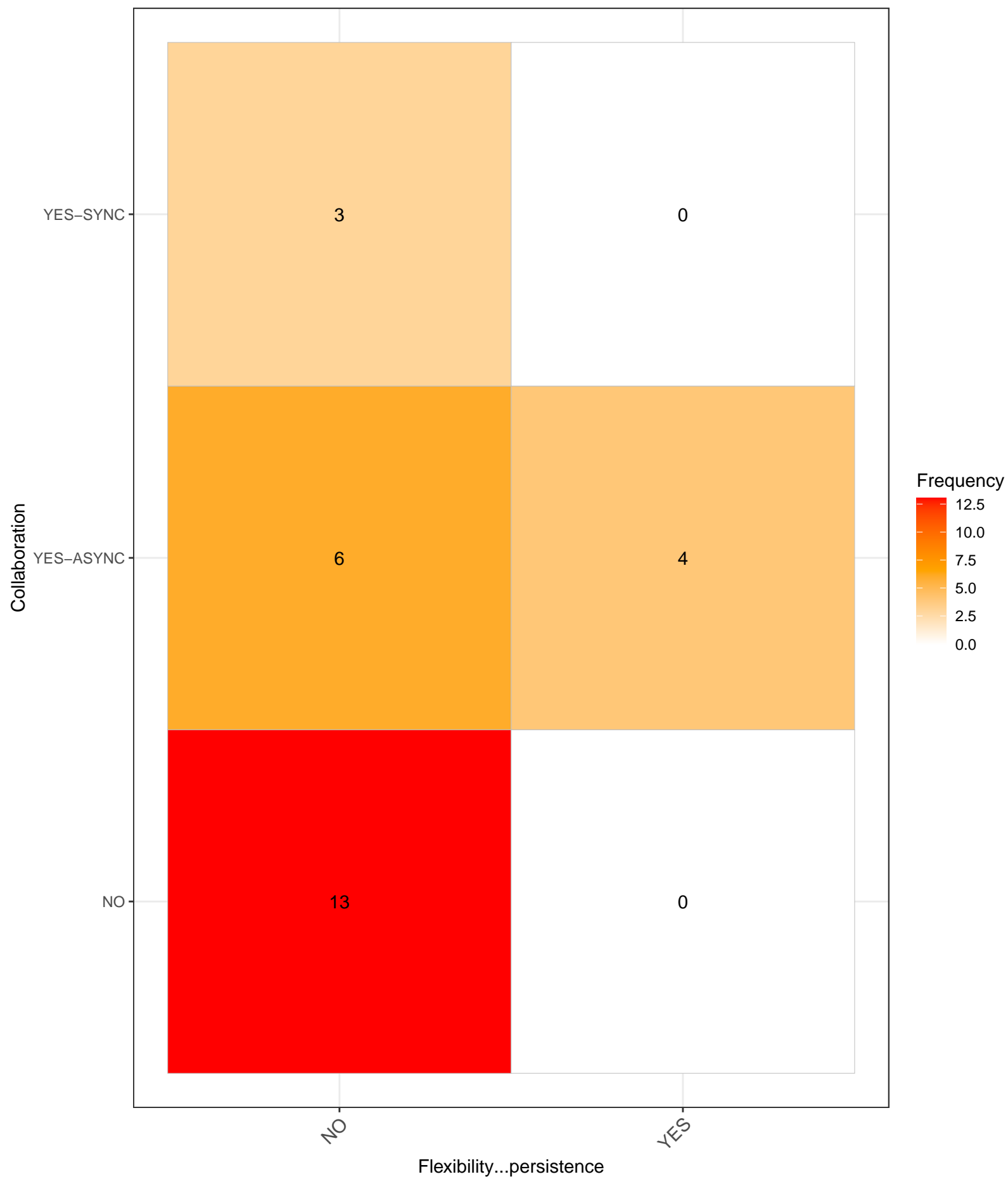
Collaboration_____Flexibility...models (Chi sq w/ Yates p= 0.85, p= 0.85)



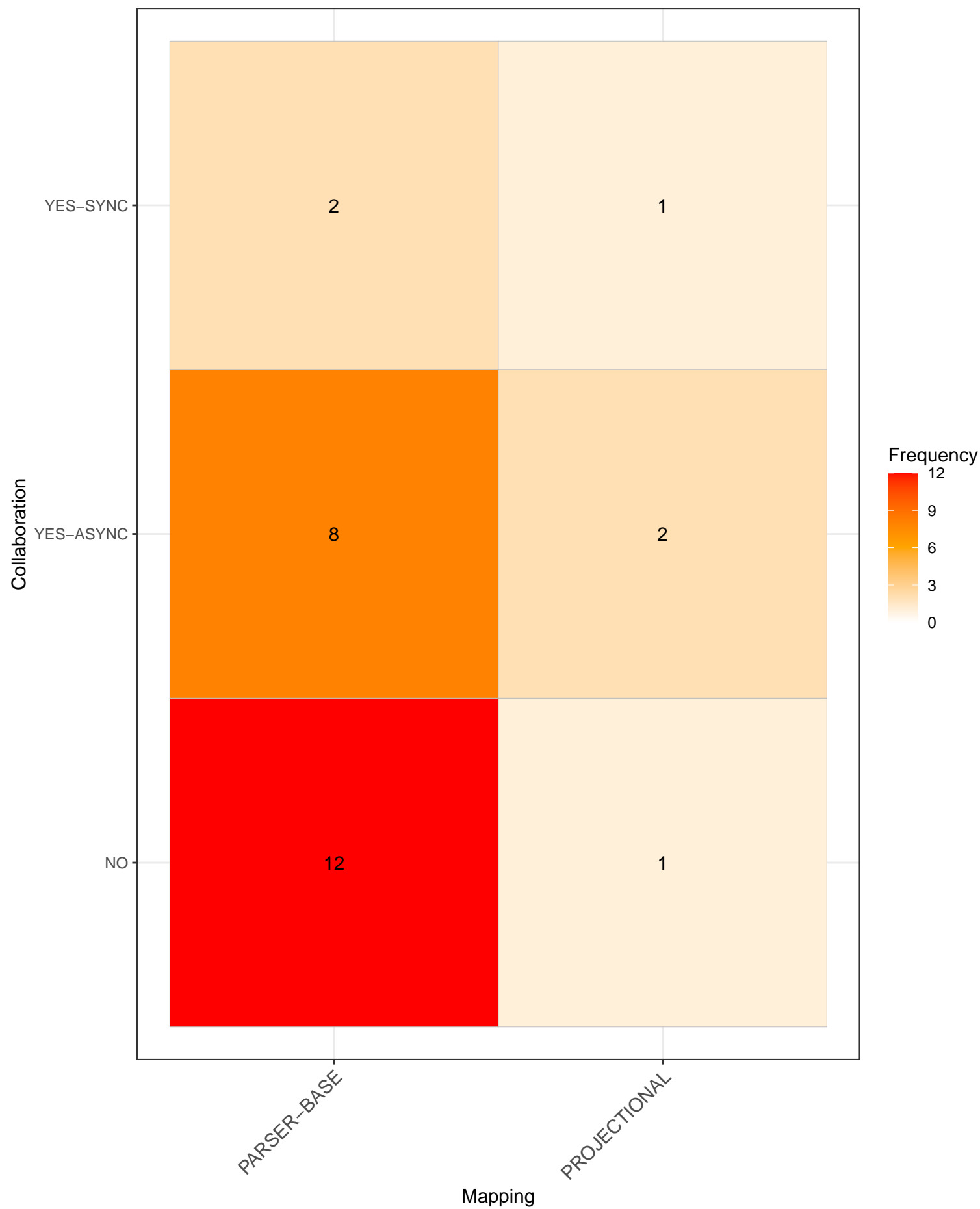
Collaboration_____Flexibility...language (Chi sq w/ Yates p= 0.1767, p= 0.1767)



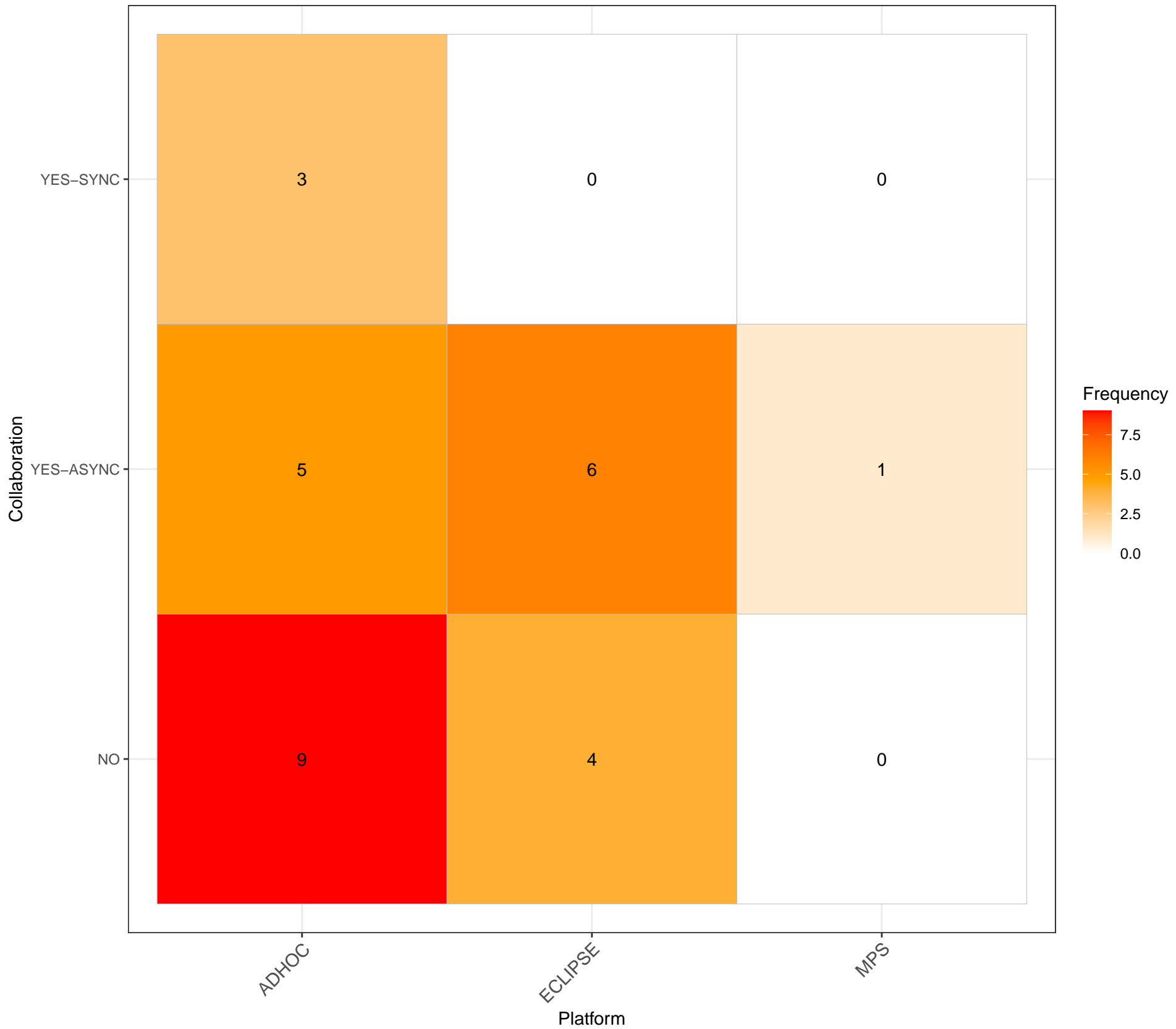
Collaboration_____Flexibility...persistence (Chi sq w/ Yates p= 0.0228, p= 0.0228)



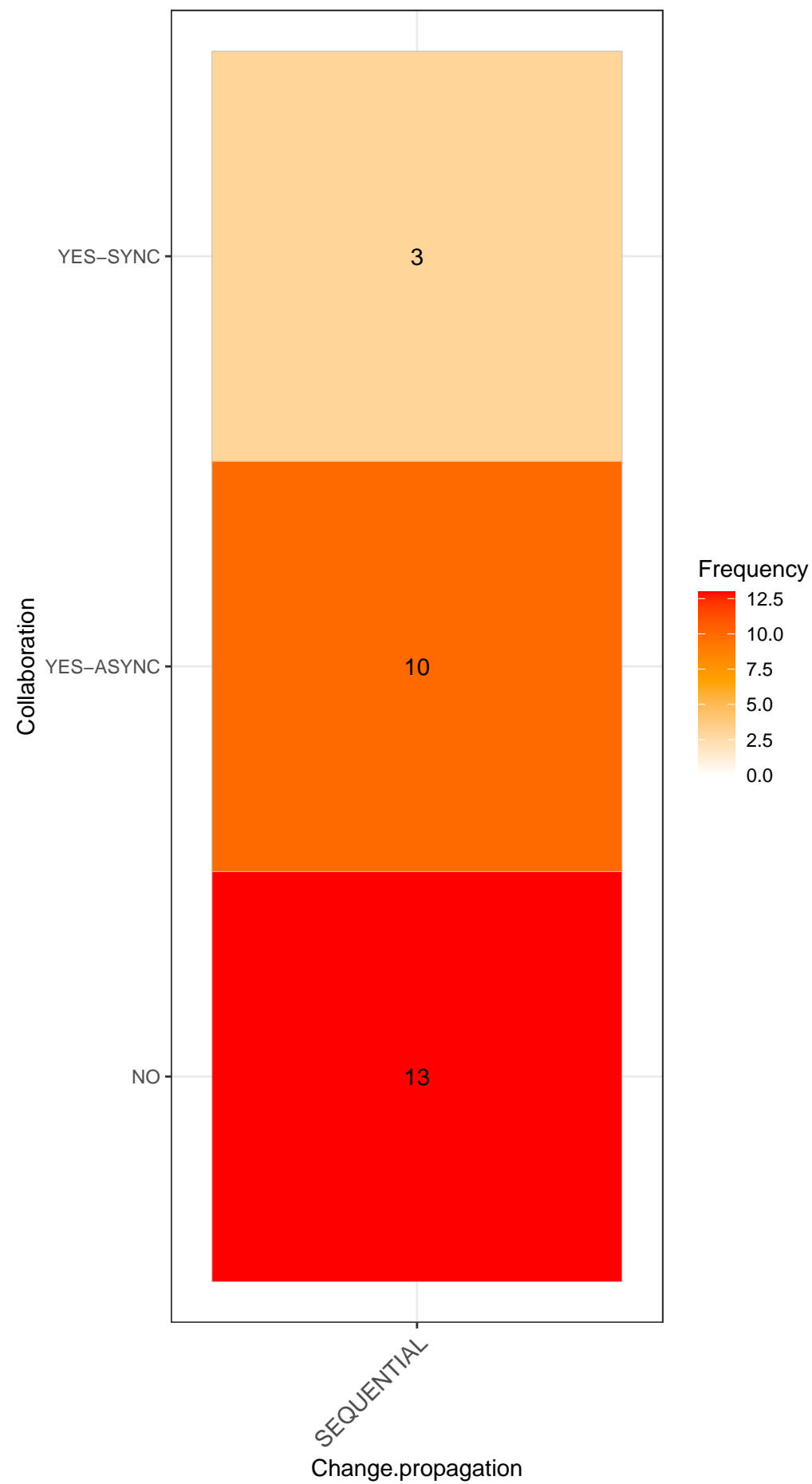
Collaboration_____Mapping (Chi sq w/ Yates p= 0.4731, p= 0.4731)



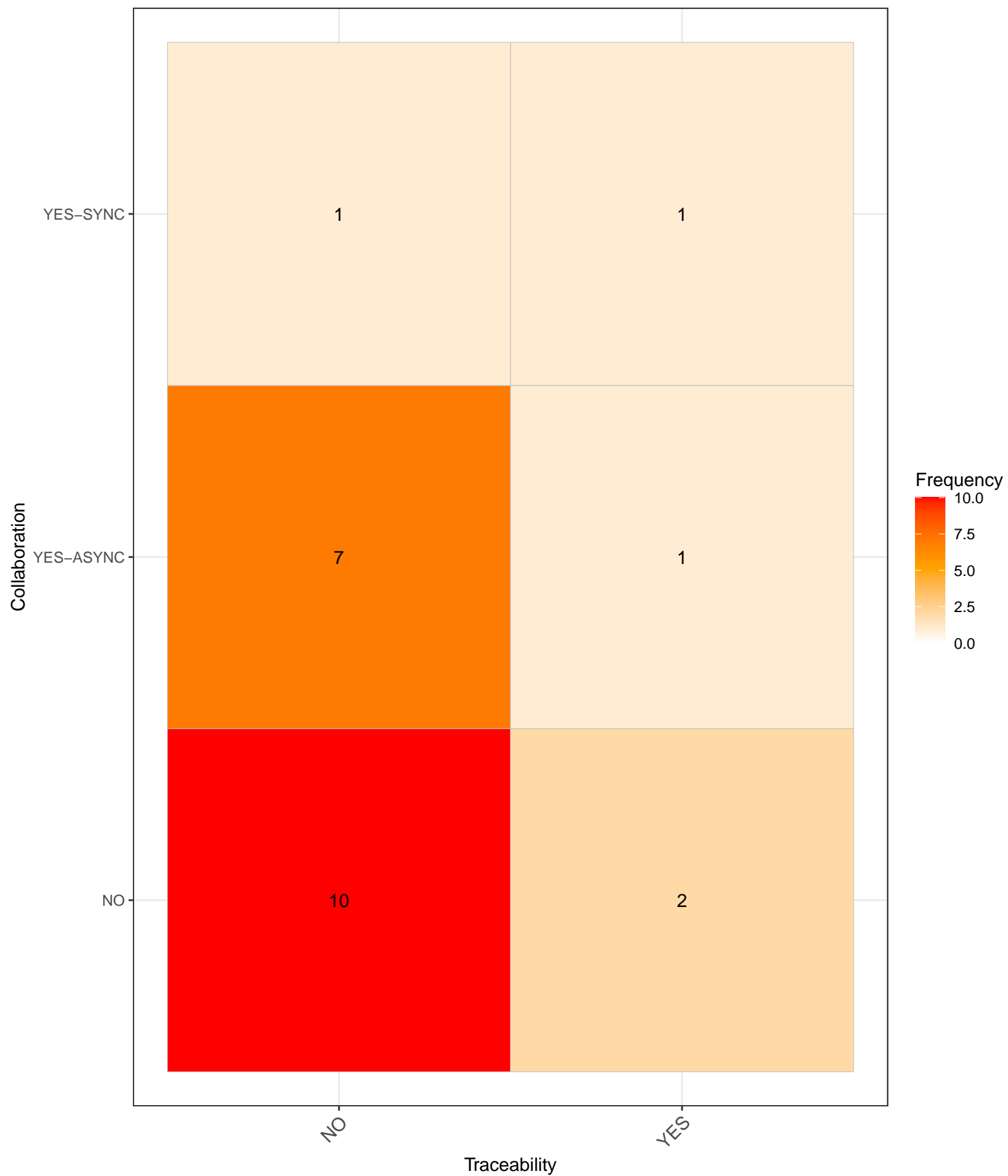
Collaboration_____Platform (Chi sq w/ Yates p= 0.3069, p= 0.3069)



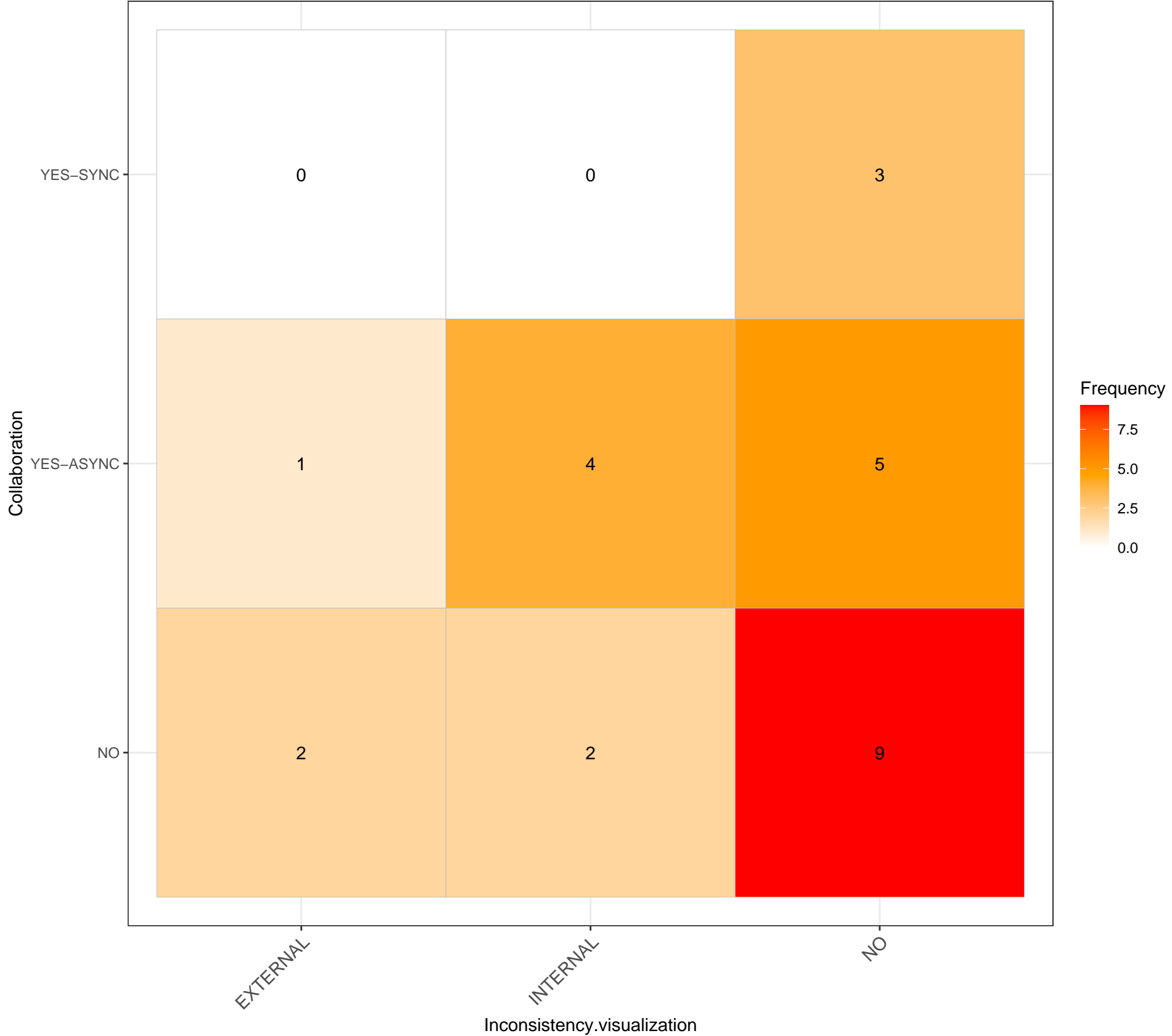
Collaboration_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)



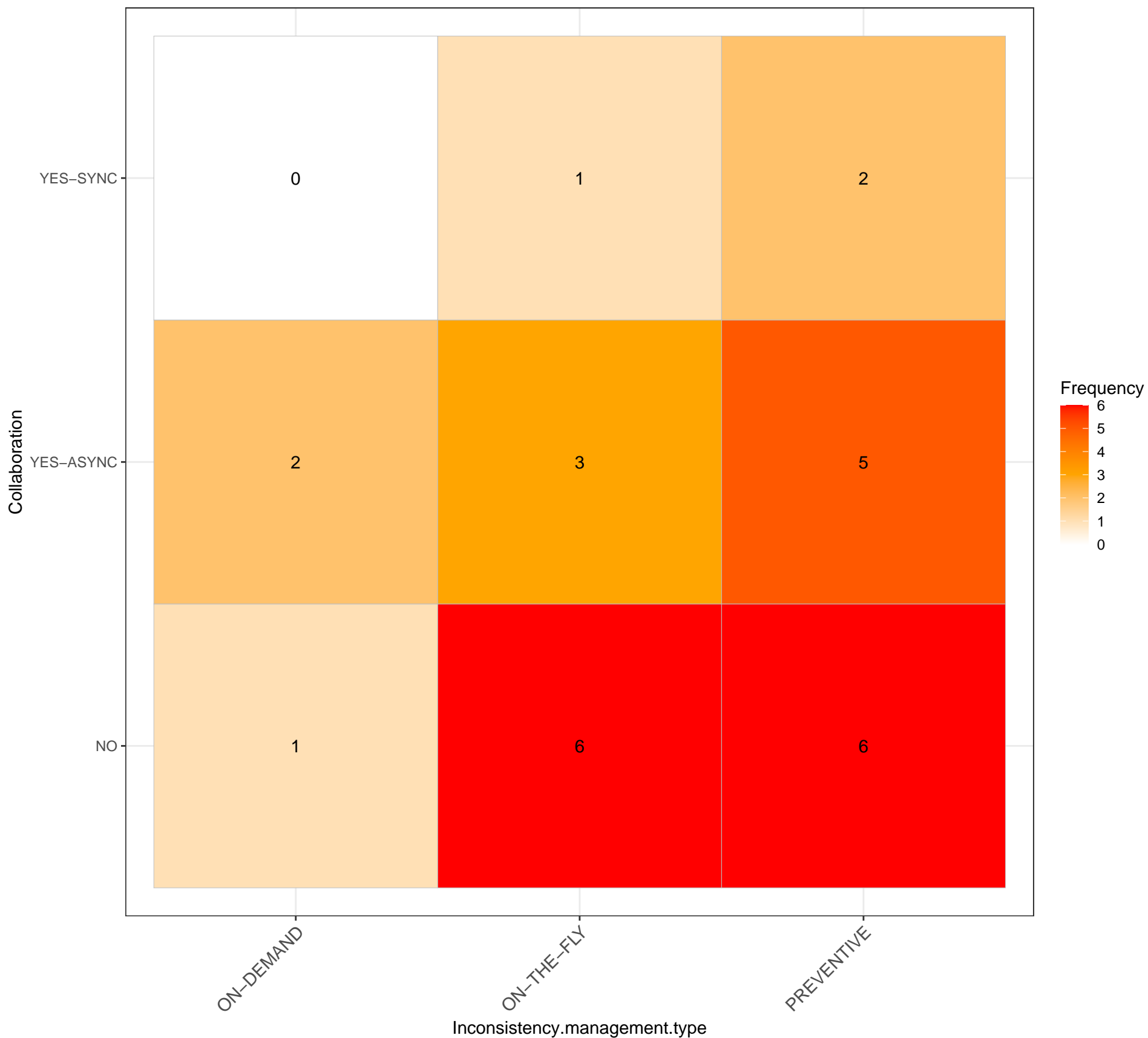
Collaboration_____Traceability (Chi sq w/ Yates p= 0.46, p= 0.46)



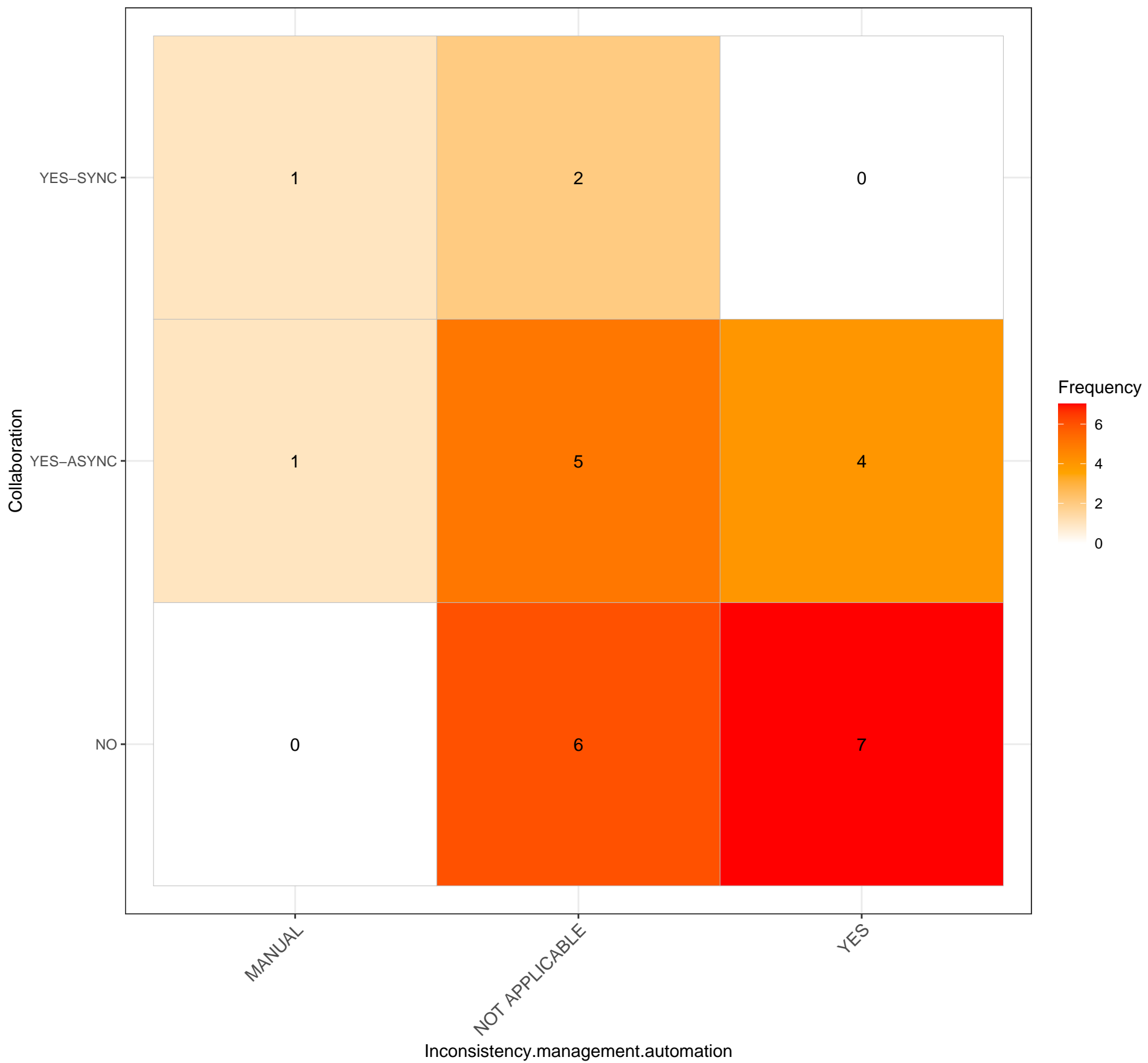
Collaboration_____Inconsistency.visualization (Chi sq w/ Yates p= 0.4422, p= 0.4422)



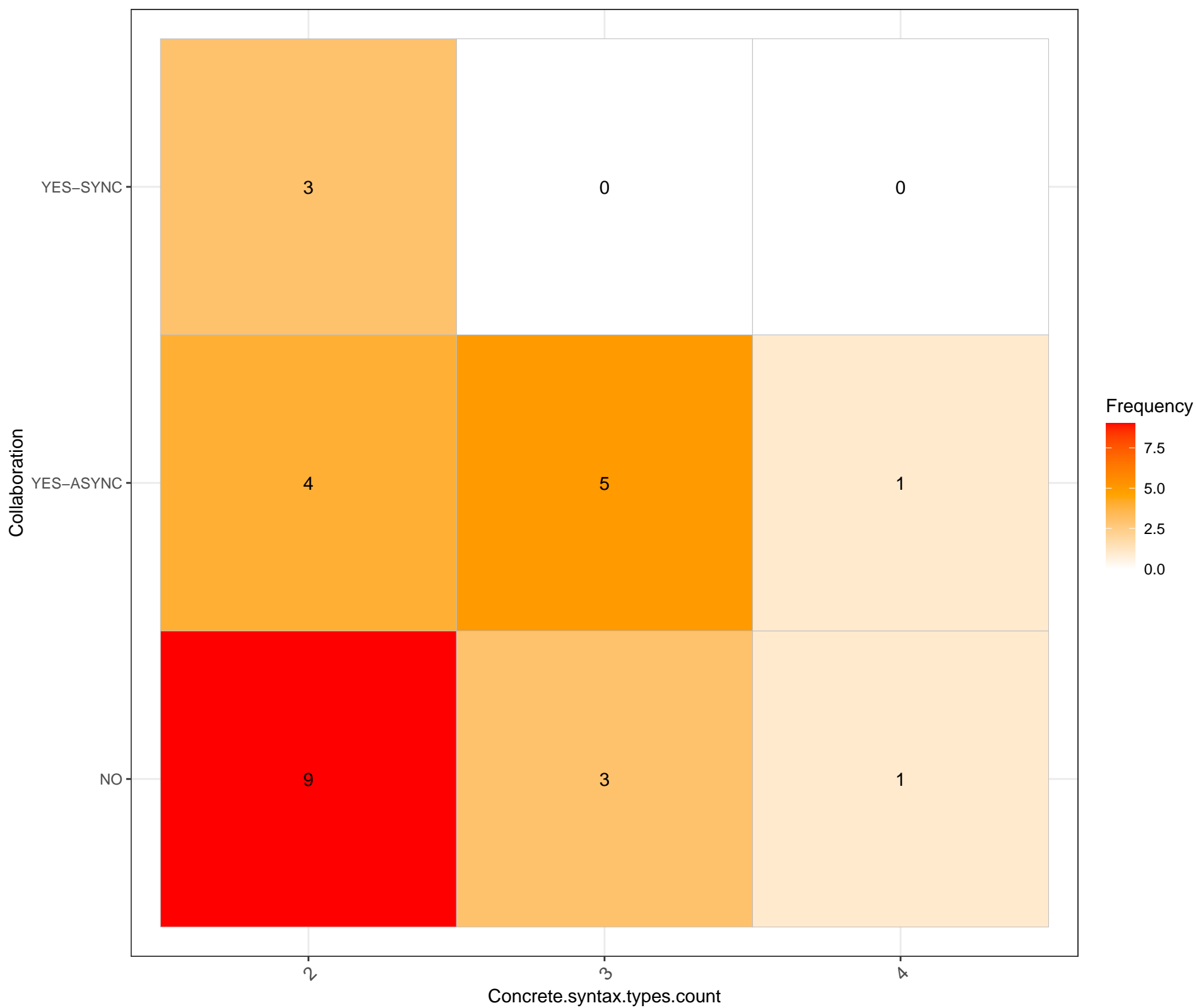
Collaboration_____Inconsistency.management.type (Chi sq w/ Yates p= 0.7825, p= 0.7825)



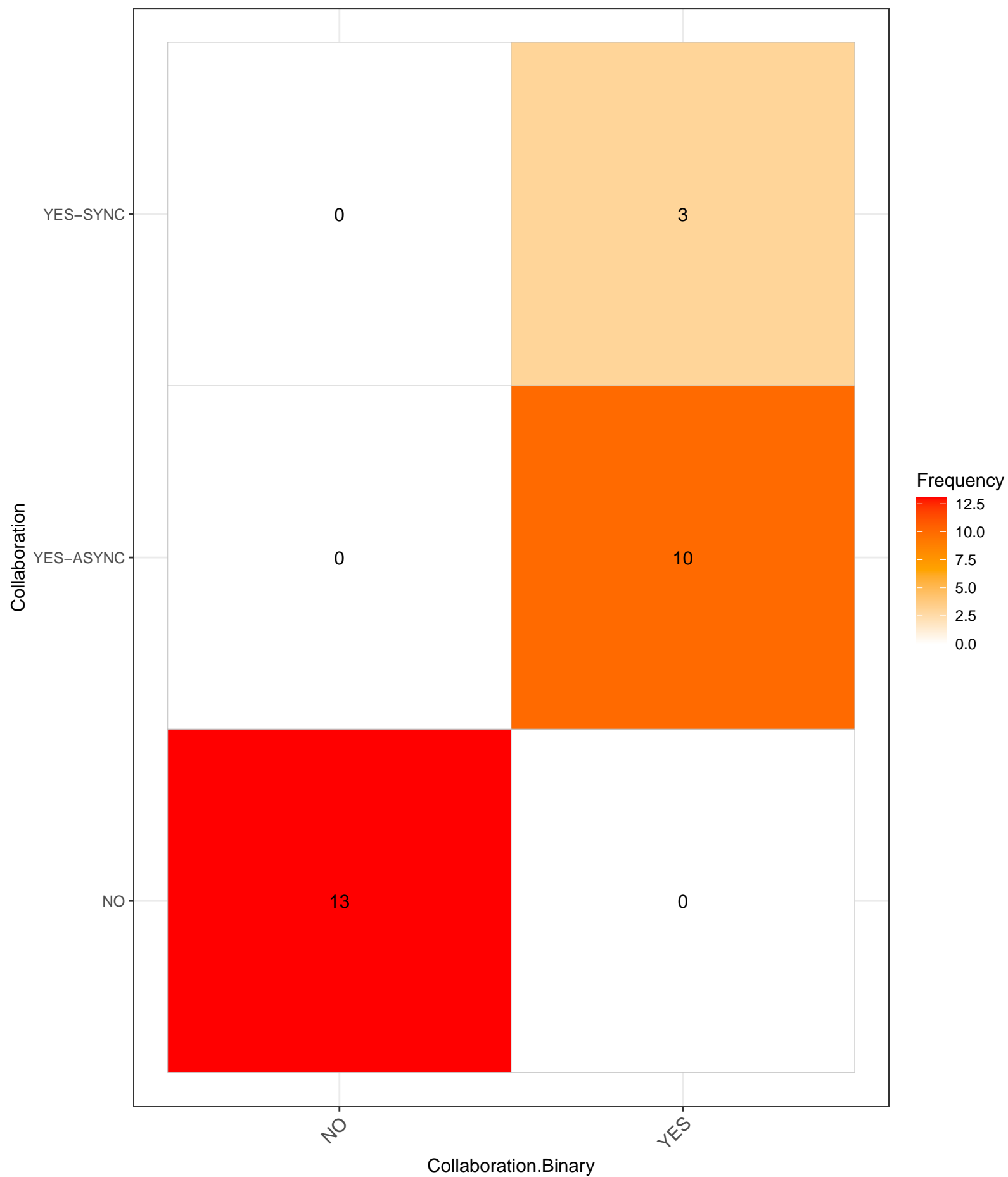
Collaboration_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.2372, p= 0.2372)



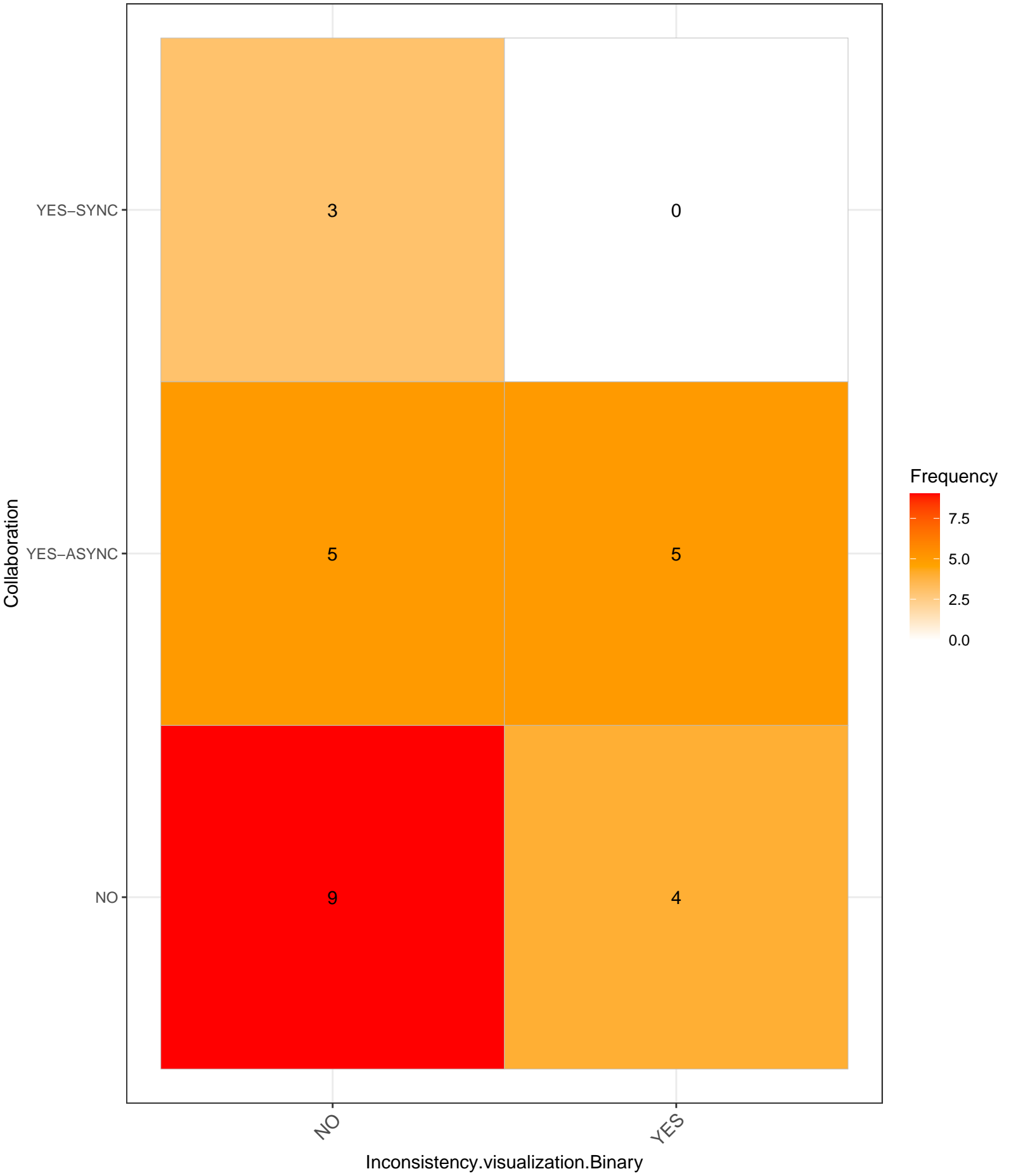
Collaboration_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.3701, p= 0.3701)



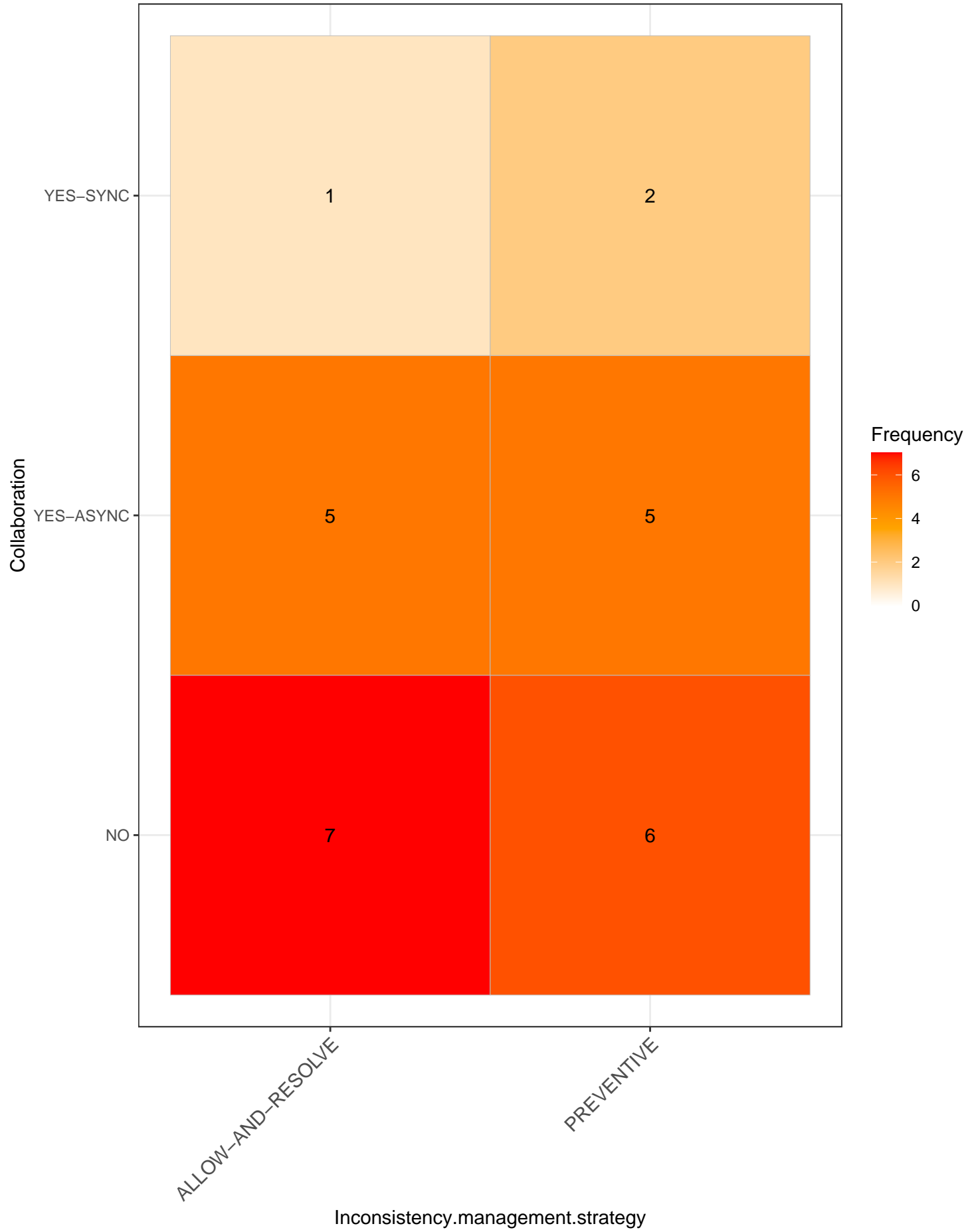
Collaboration_____Collaboration.Binary (Chi sq w/ Yates p= 0, p= 0)



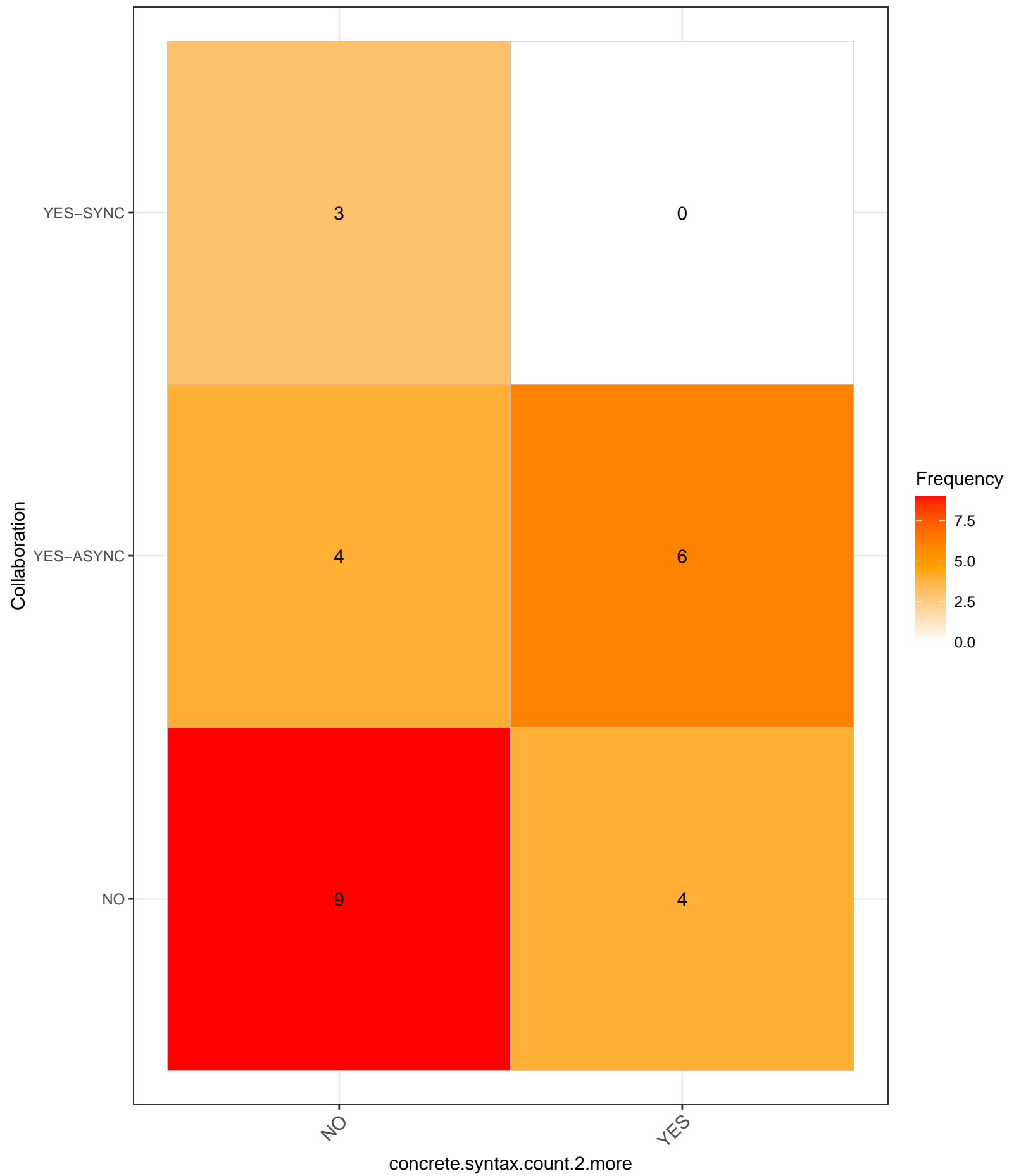
Collaboration_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.2568, p= 0.2568)



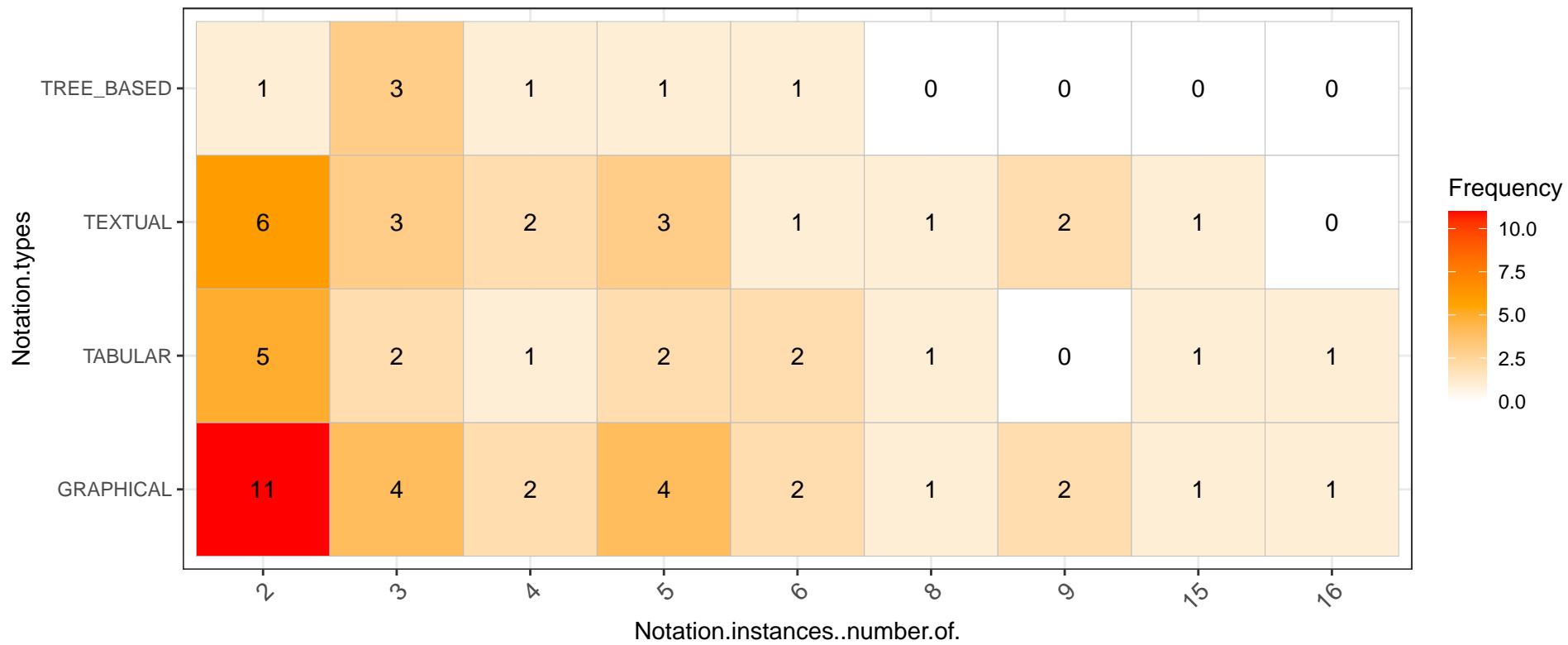
Collaboration_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.8145, p= 0.8145)



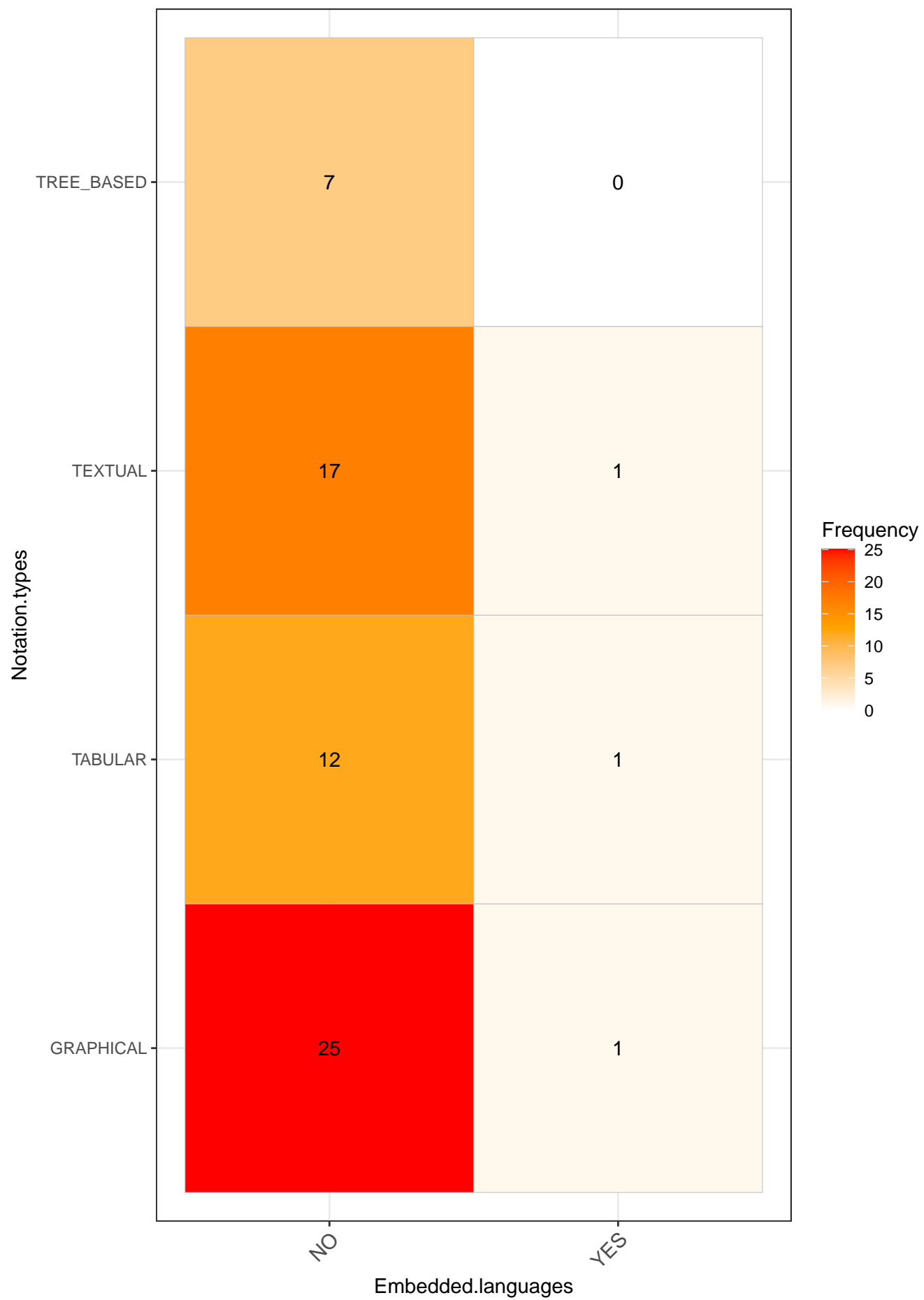
Collaboration_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.1249, p= 0.1249)



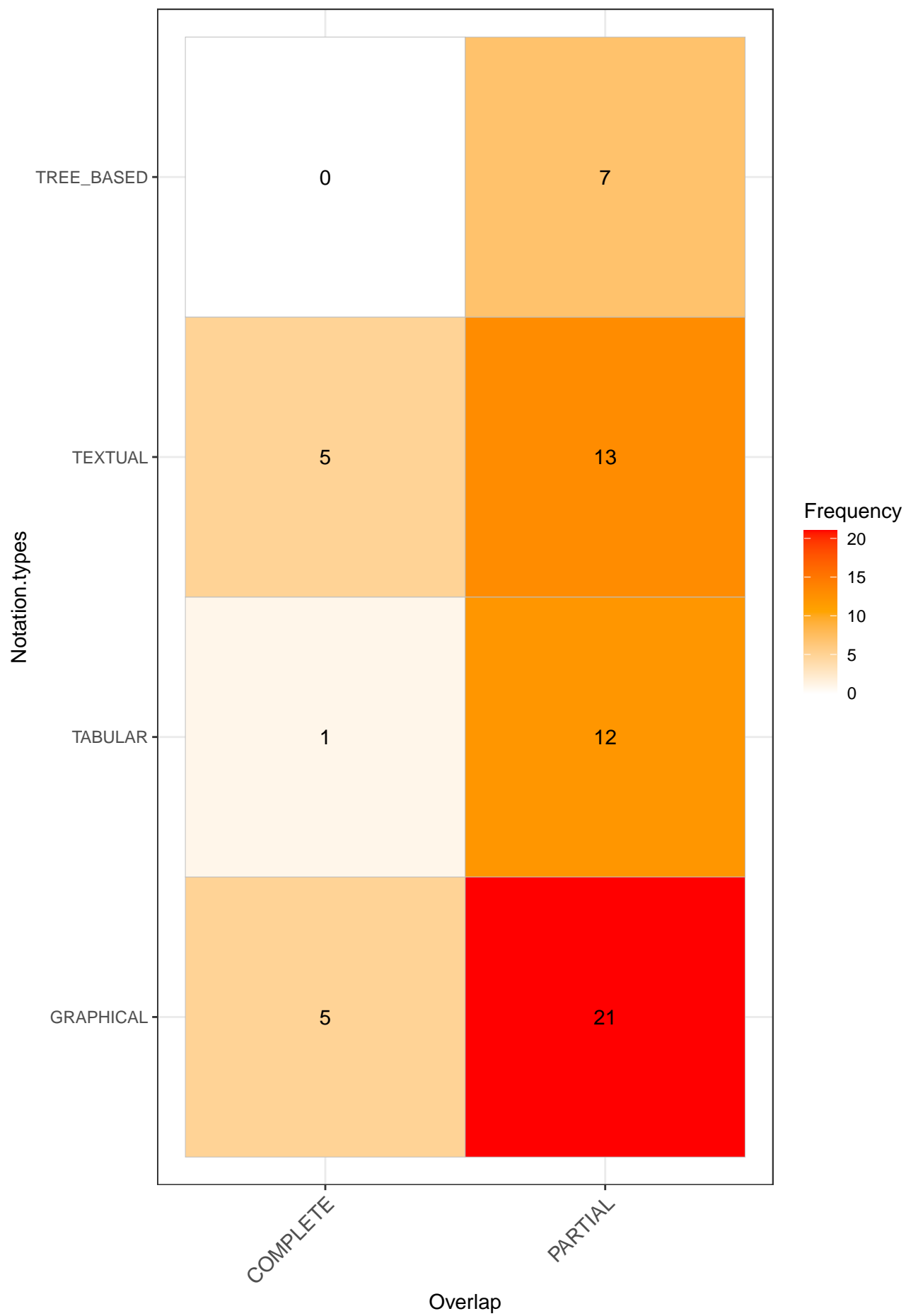
Notation.types____Notation.instances..number.of. (Chi sq w/ Yates p= 0.9935, p= 0.9935)



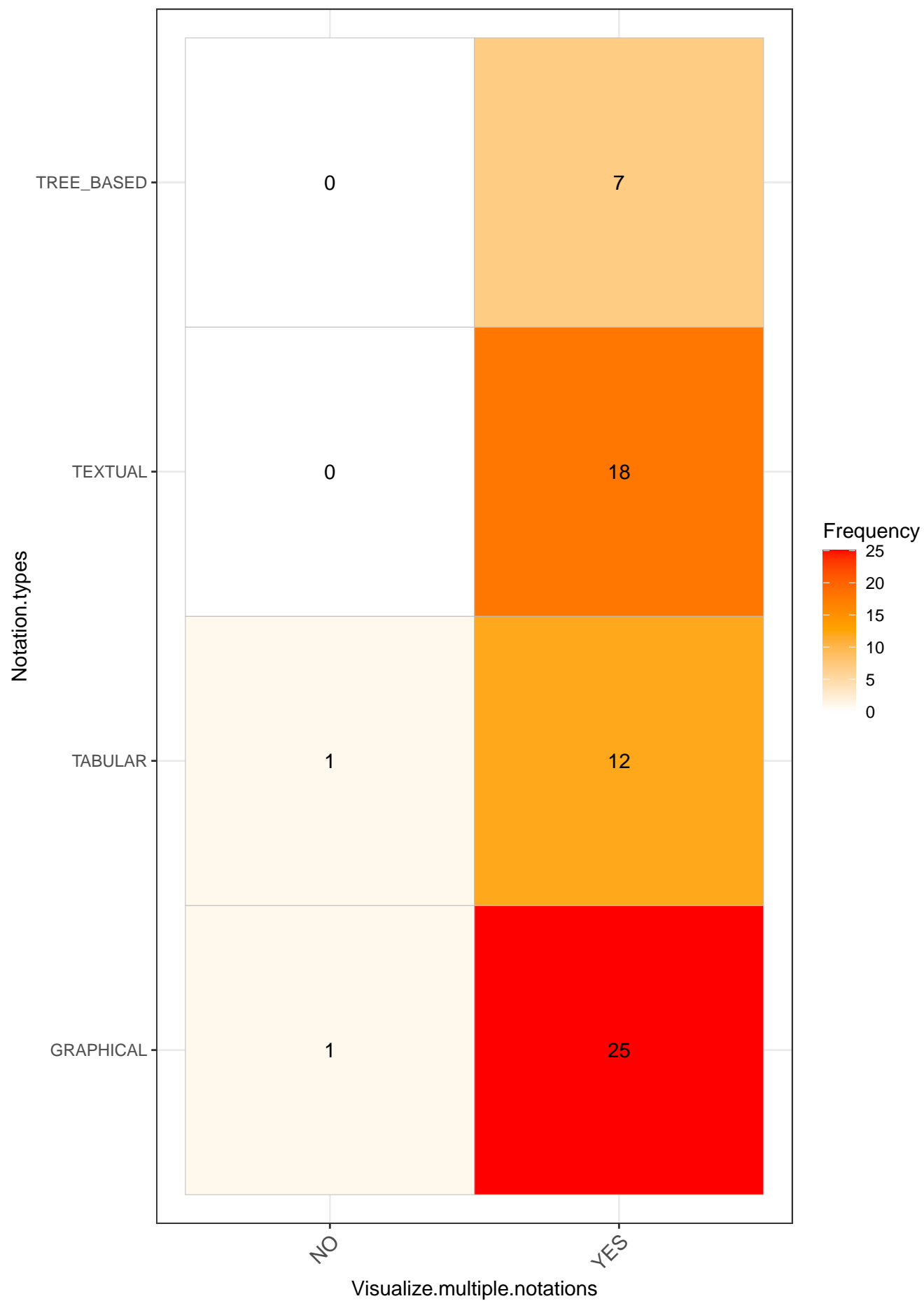
Notation.types_____Embedded.languages (Chi sq w/ Yates p= 0.8782, p= 0.8782)



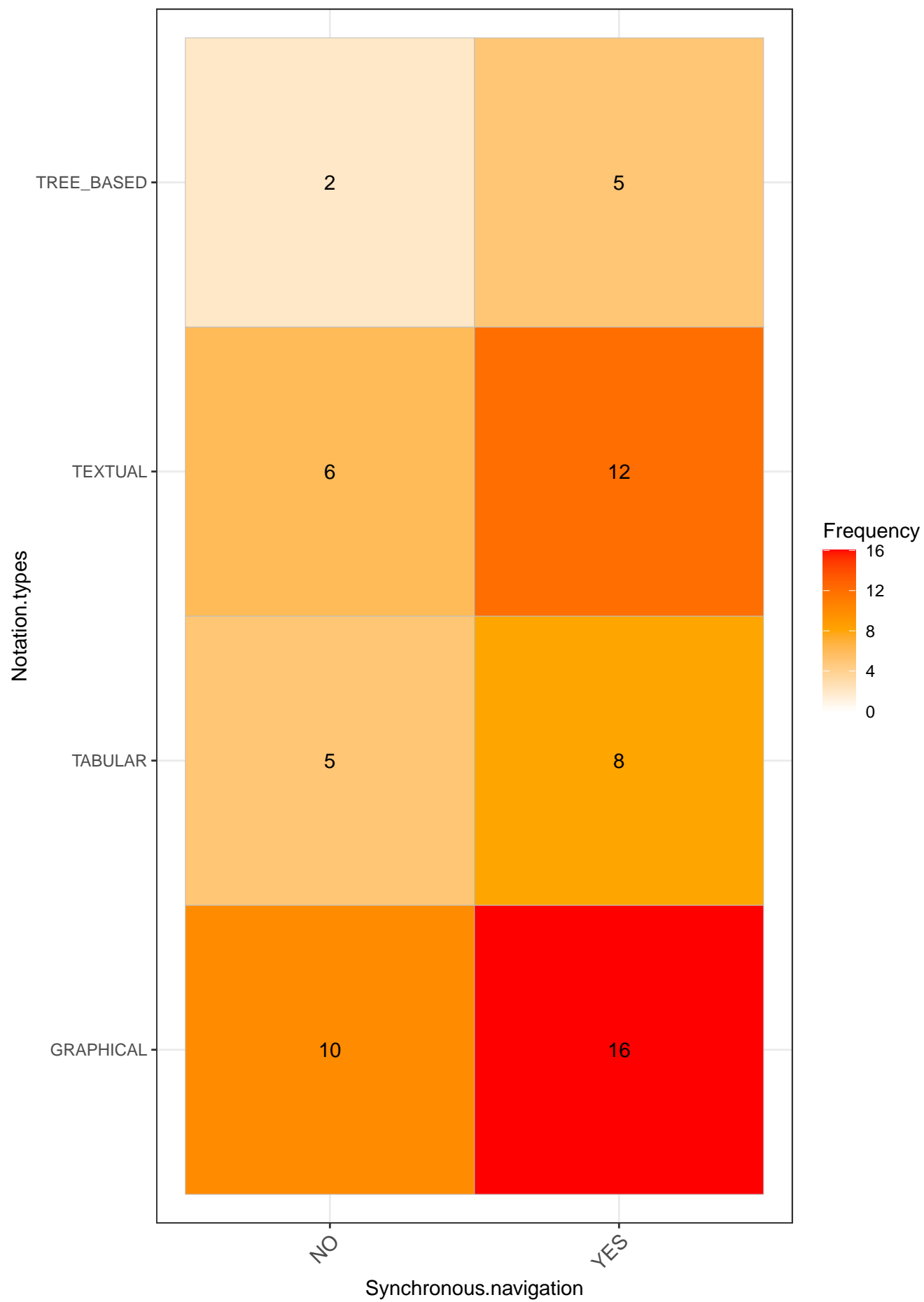
Notation.types_____Overlap (Chi sq w/ Yates p= 0.2873, p= 0.2873)



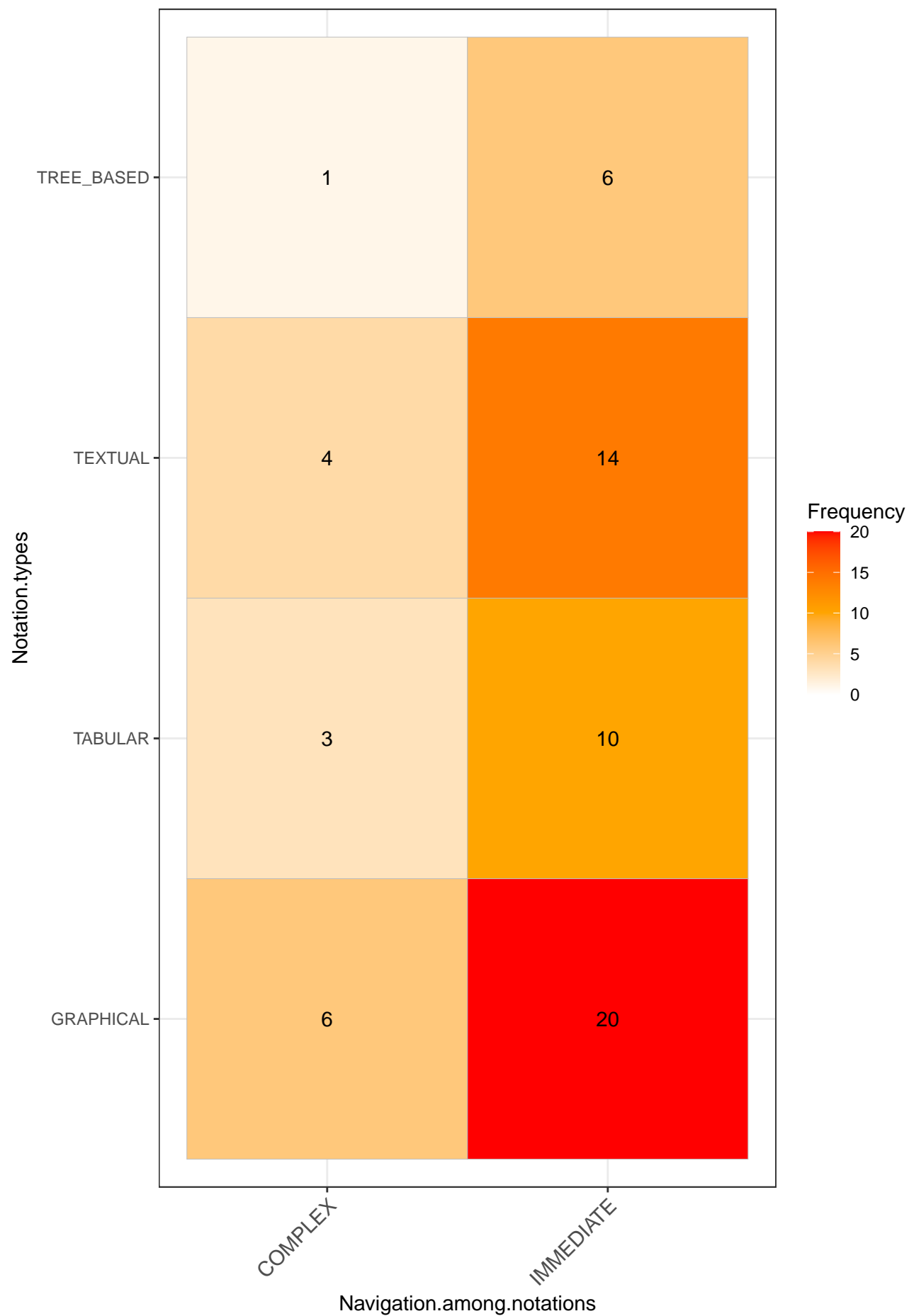
Notation.types_____Visualize.multiple.notations (Chi sq w/ Yates p= 0.6266, p= 0.6266)



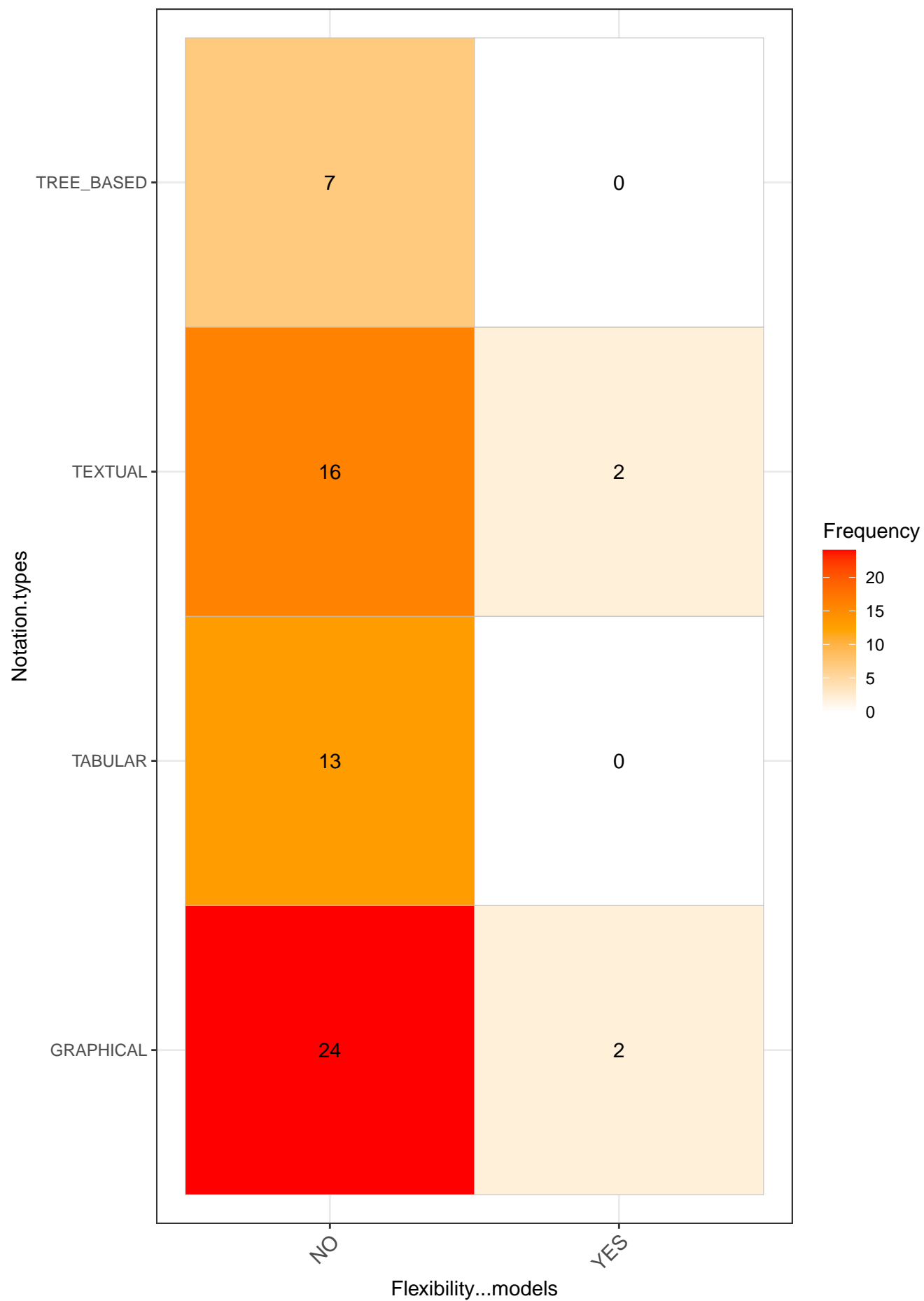
Notation.types_____Synchronous.navigation (Chi sq w/ Yates p= 0.9551, p= 0.9551)



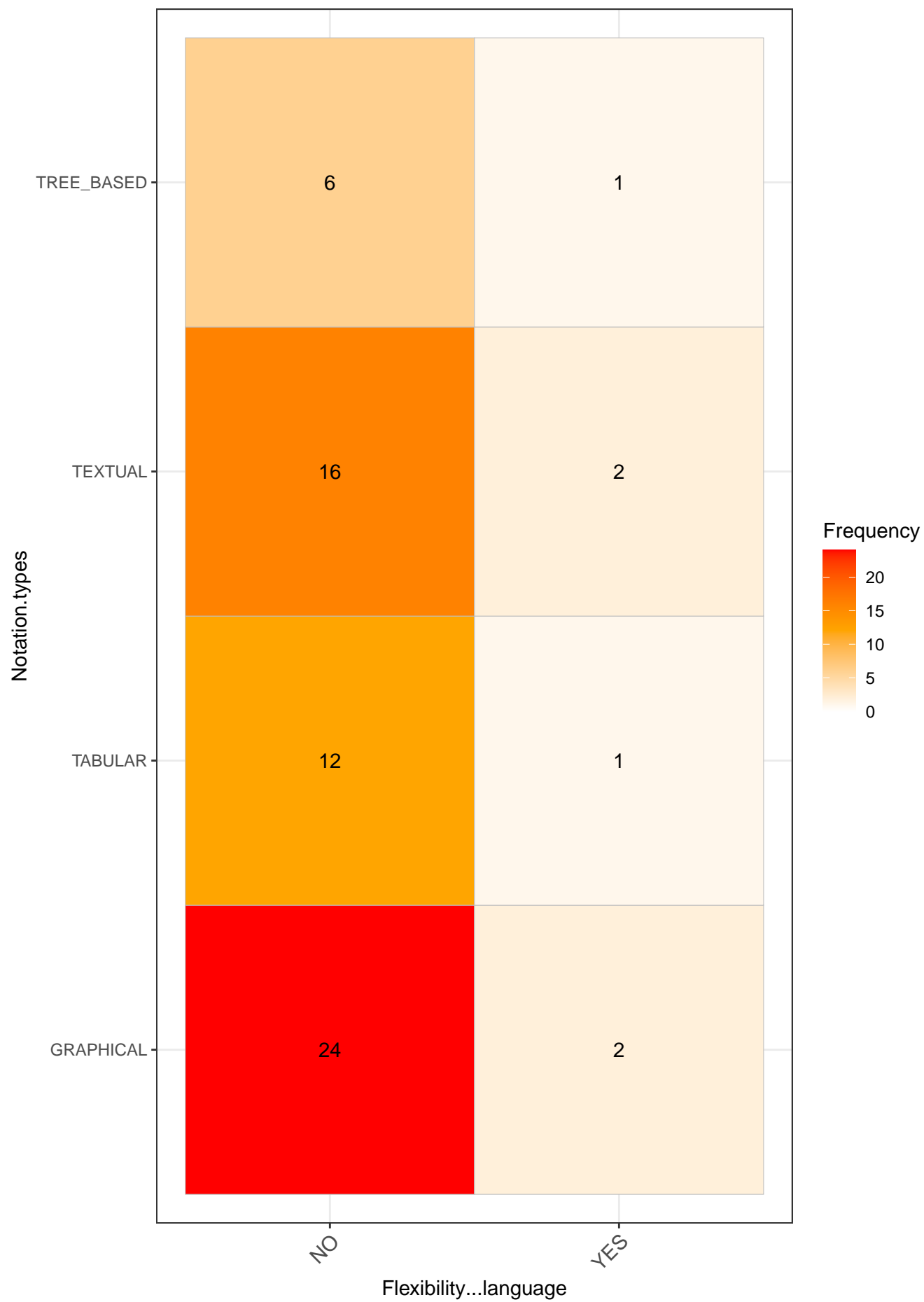
Notation.types____Navigation.among.notations (Chi sq w/ Yates p= 0.9655, p= 0.9655)



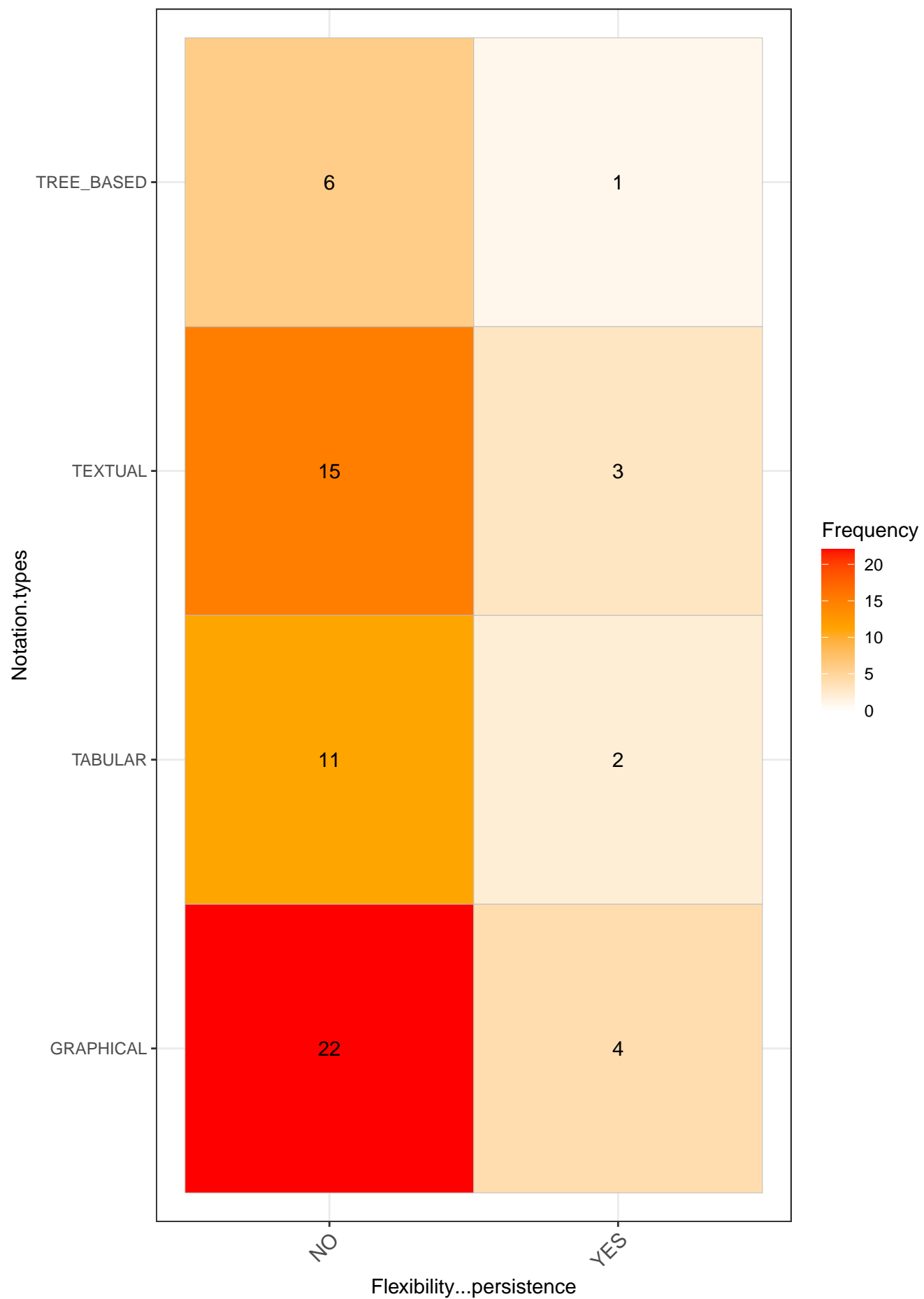
Notation.types_____Flexibility...models (Chi sq w/ Yates p= 0.5416, p= 0.5416)



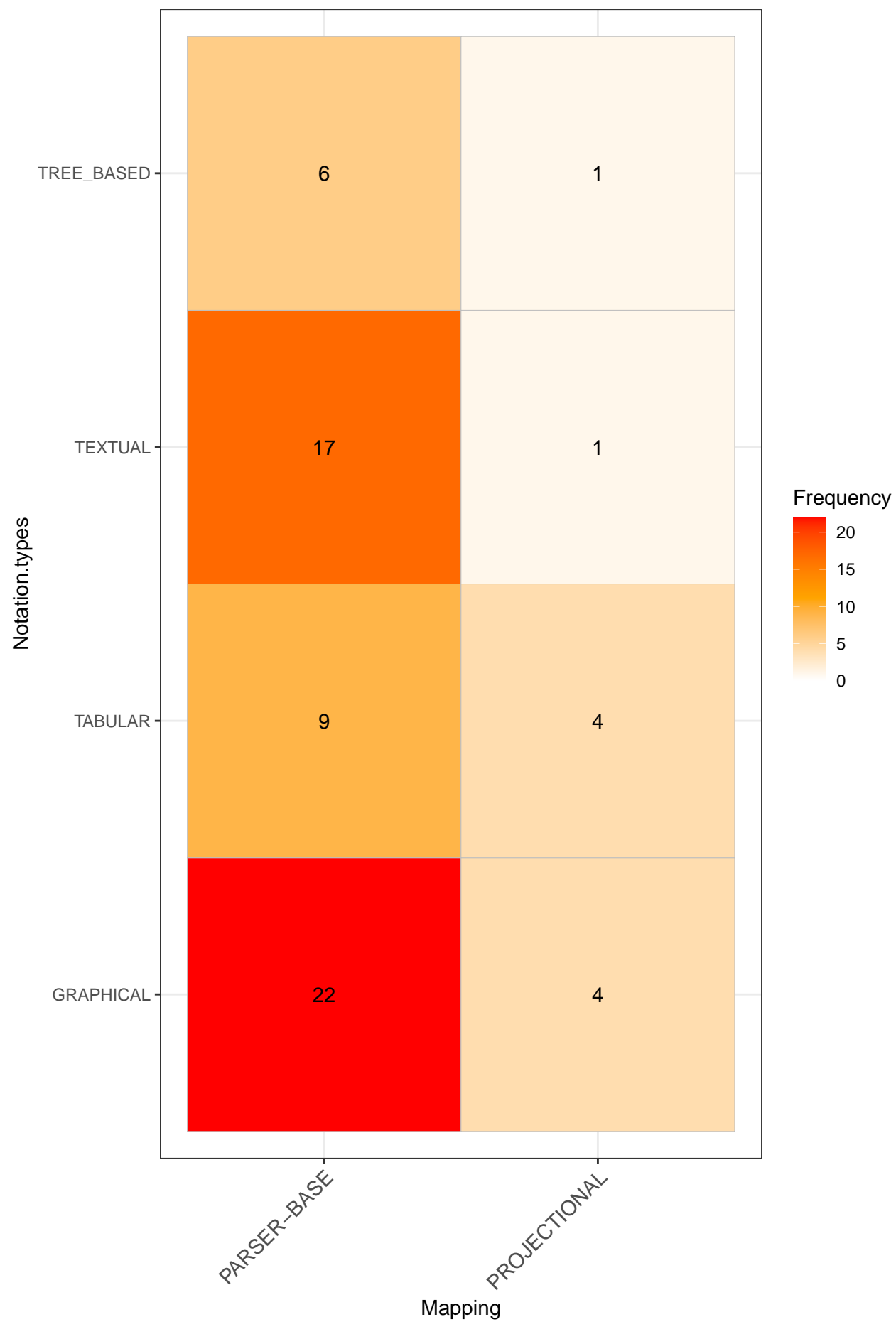
Notation.types_____Flexibility...language (Chi sq w/ Yates p= 0.9418, p= 0.9418)



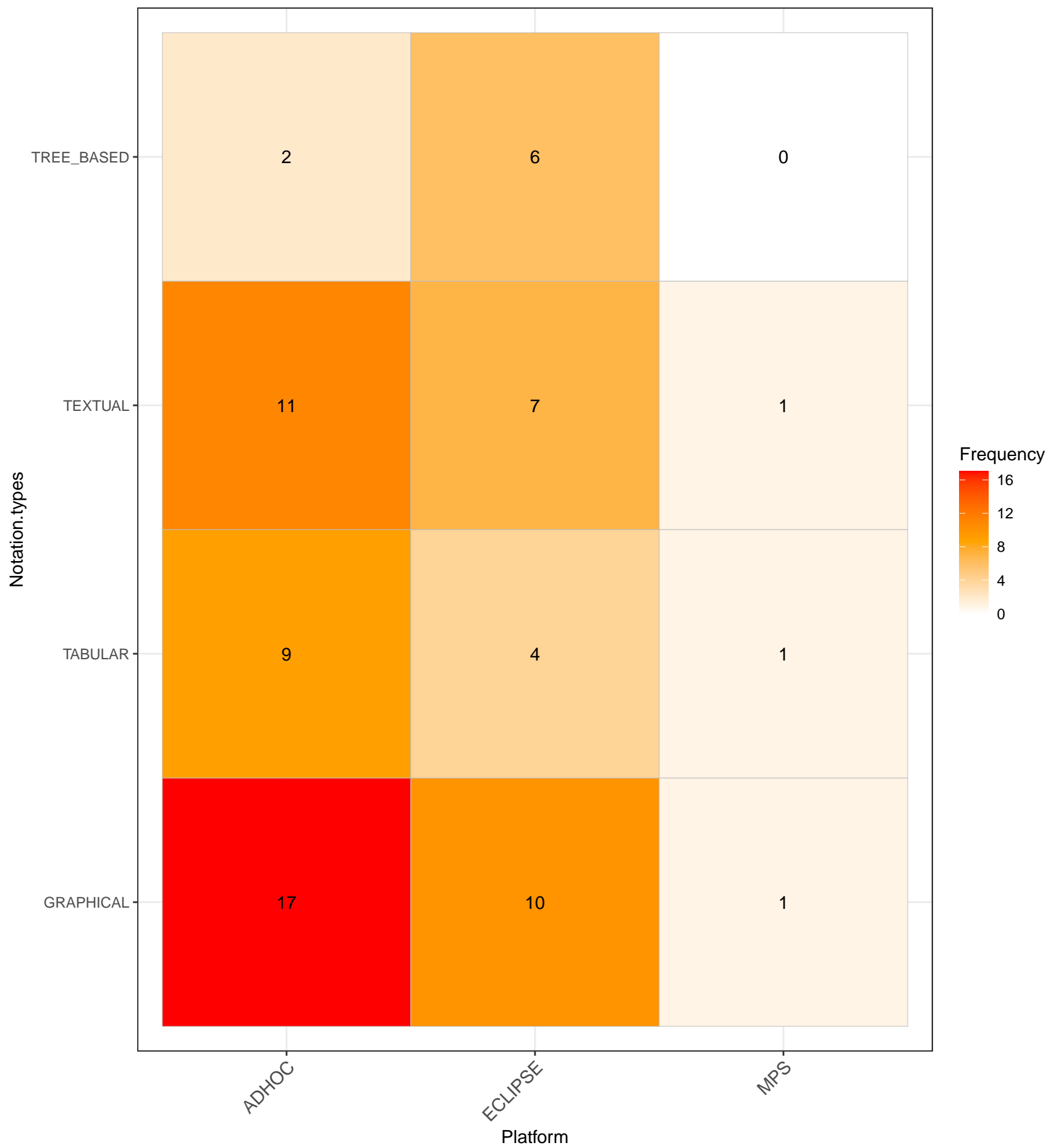
Notation.types_____Flexibility...persistence (Chi sq w/ Yates p= 0.9989, p= 0.9989)



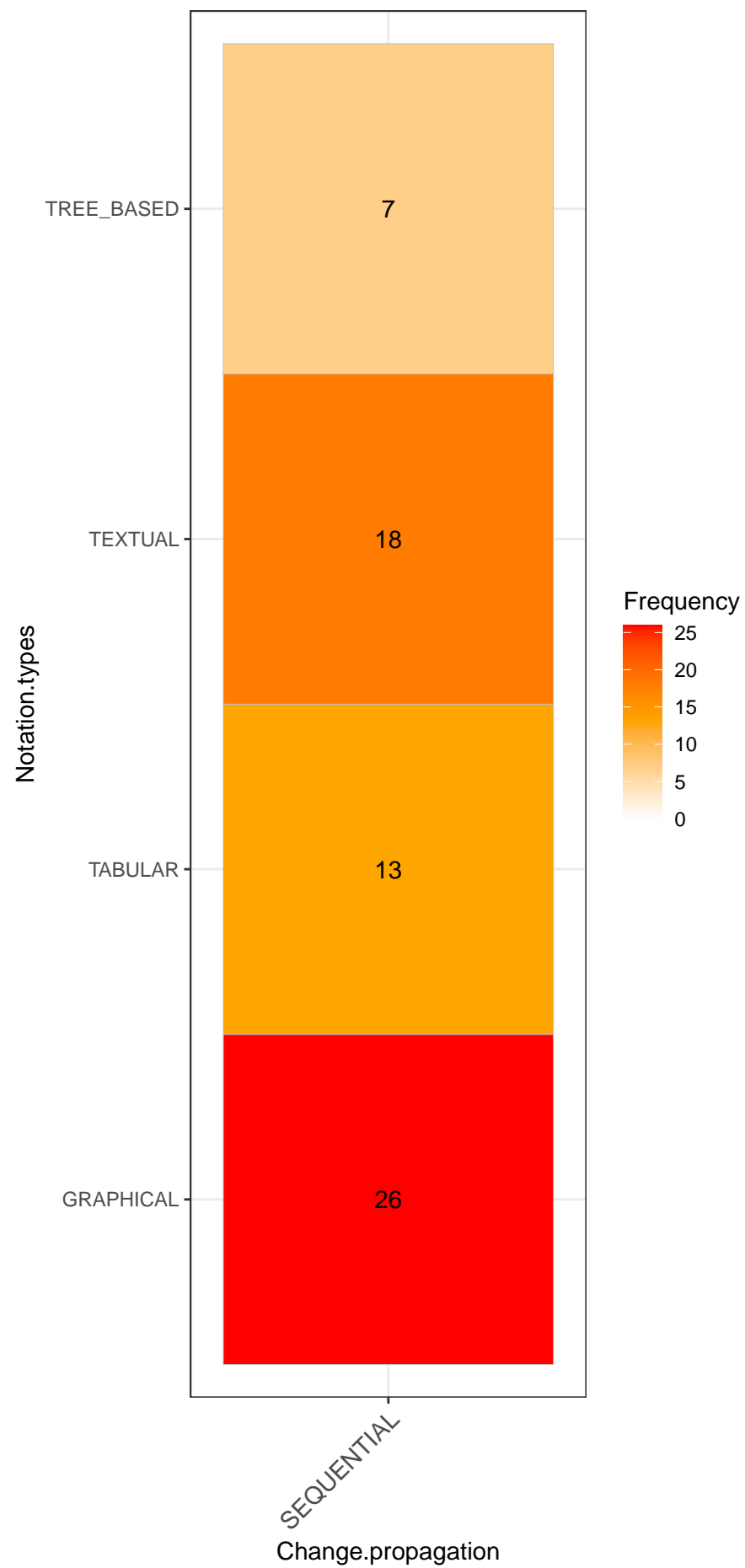
Notation.types_____Mapping (Chi sq w/ Yates p= 0.301, p= 0.301)



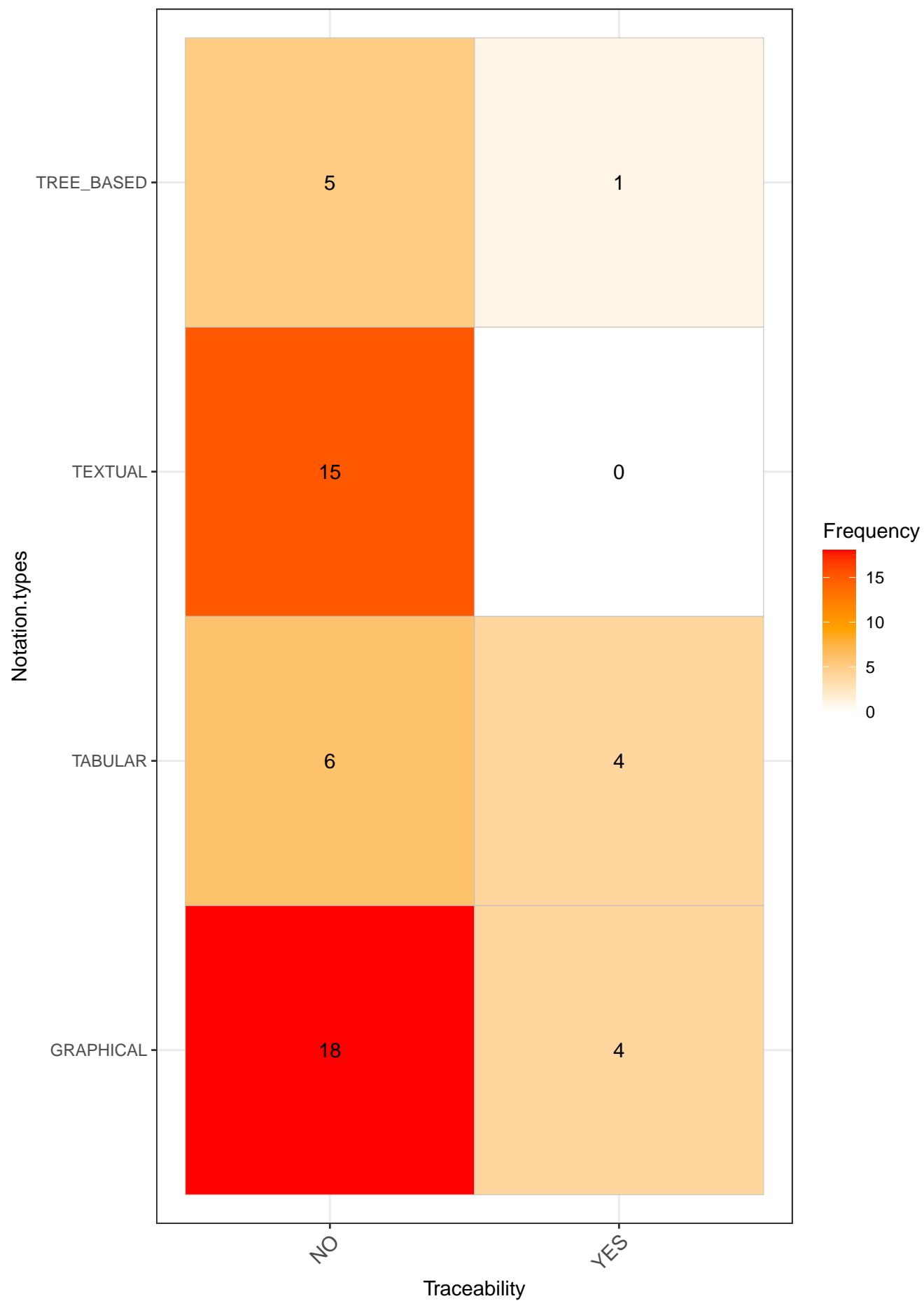
Notation.types_____Platform (Chi sq w/ Yates p= 0.486, p= 0.486)



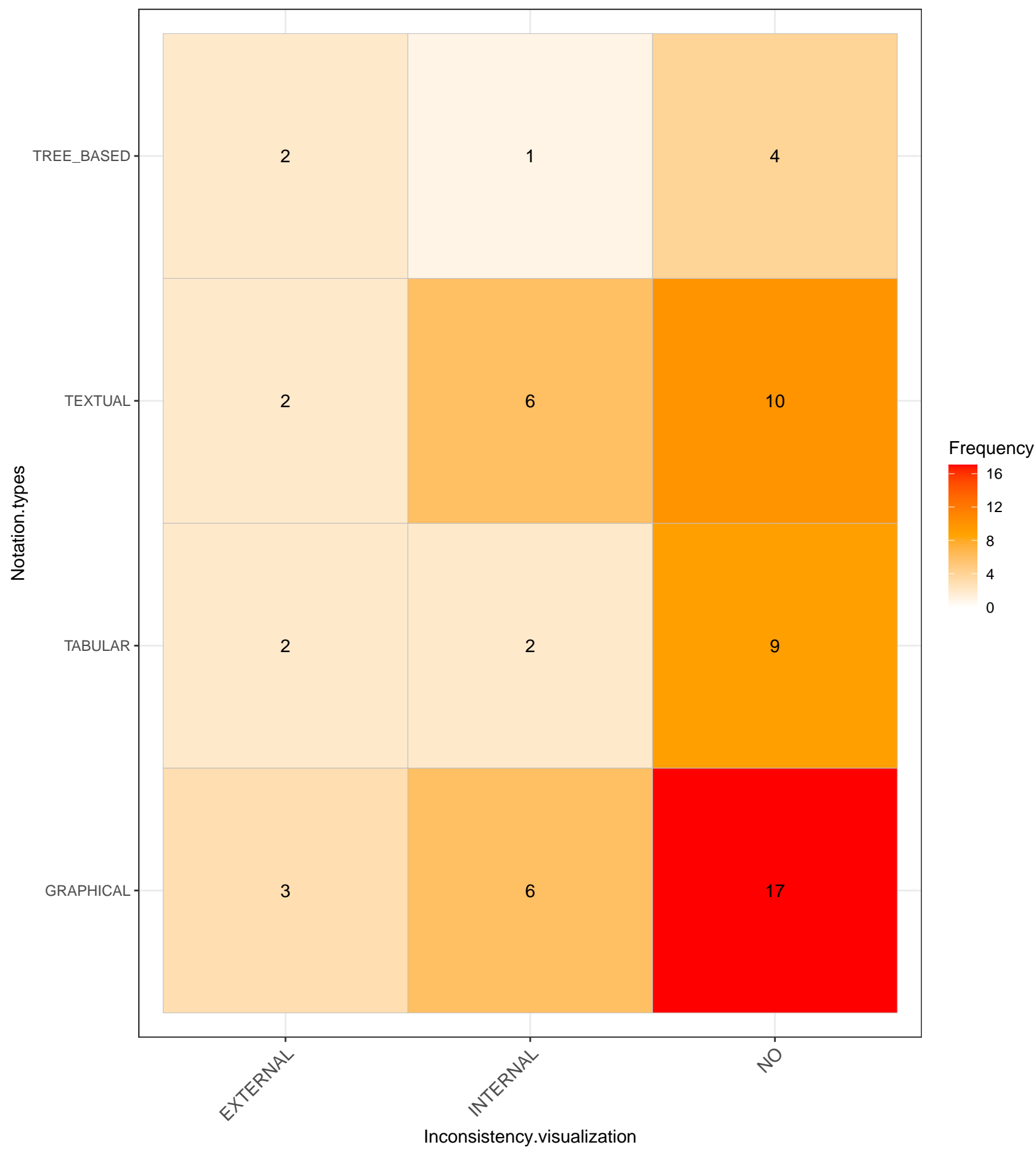
Notation.types_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)



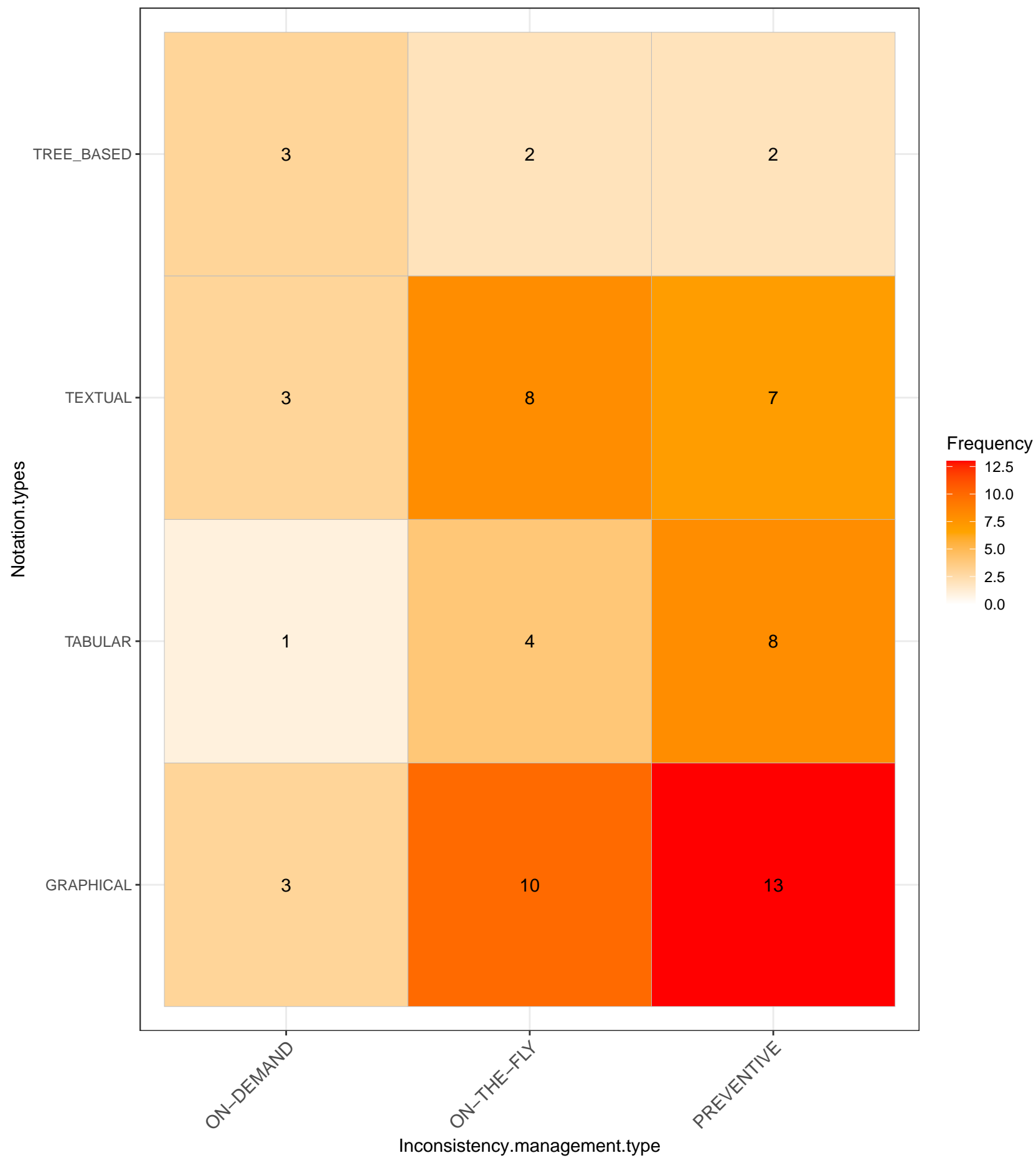
Notation.types_____Traceability (Chi sq w/ Yates p= 0.0768, p= 0.0768)



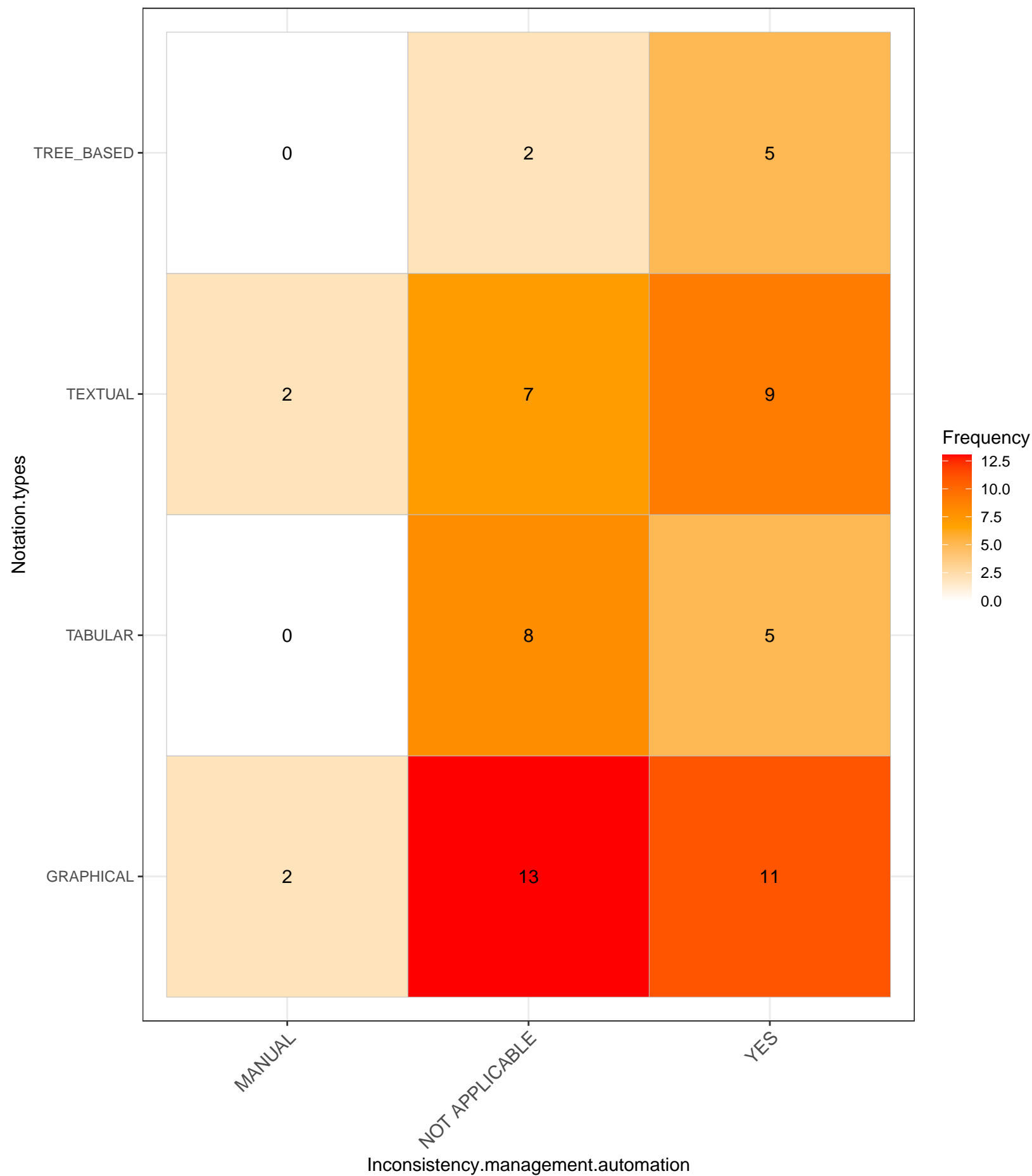
Notation.types_____Inconsistency.visualization (Chi sq w/ Yates p= 0.8143, p= 0.8143)



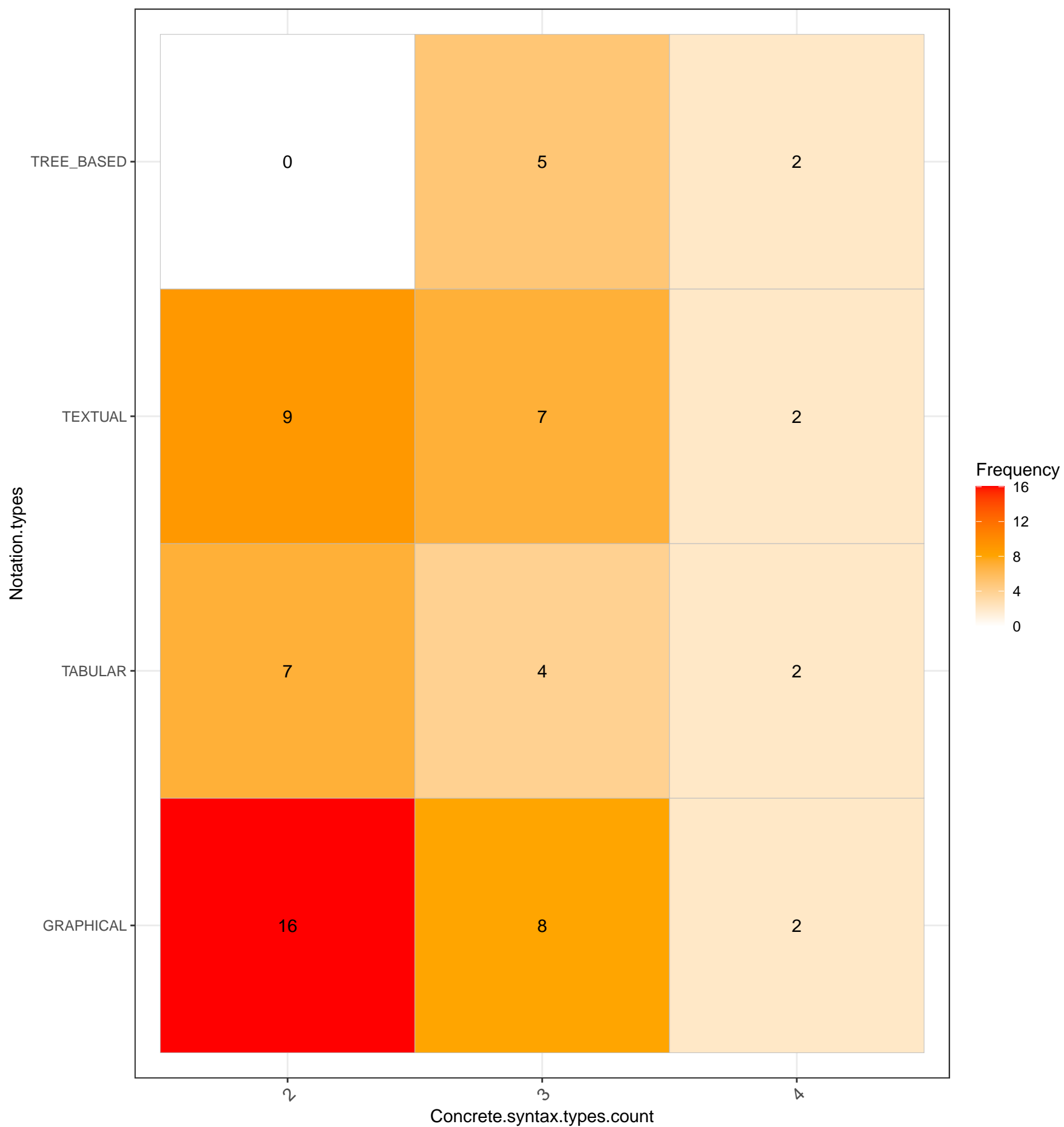
Notation.types_____Inconsistency.management.type (Chi sq w/ Yates p= 0.4148, p= 0.4148)



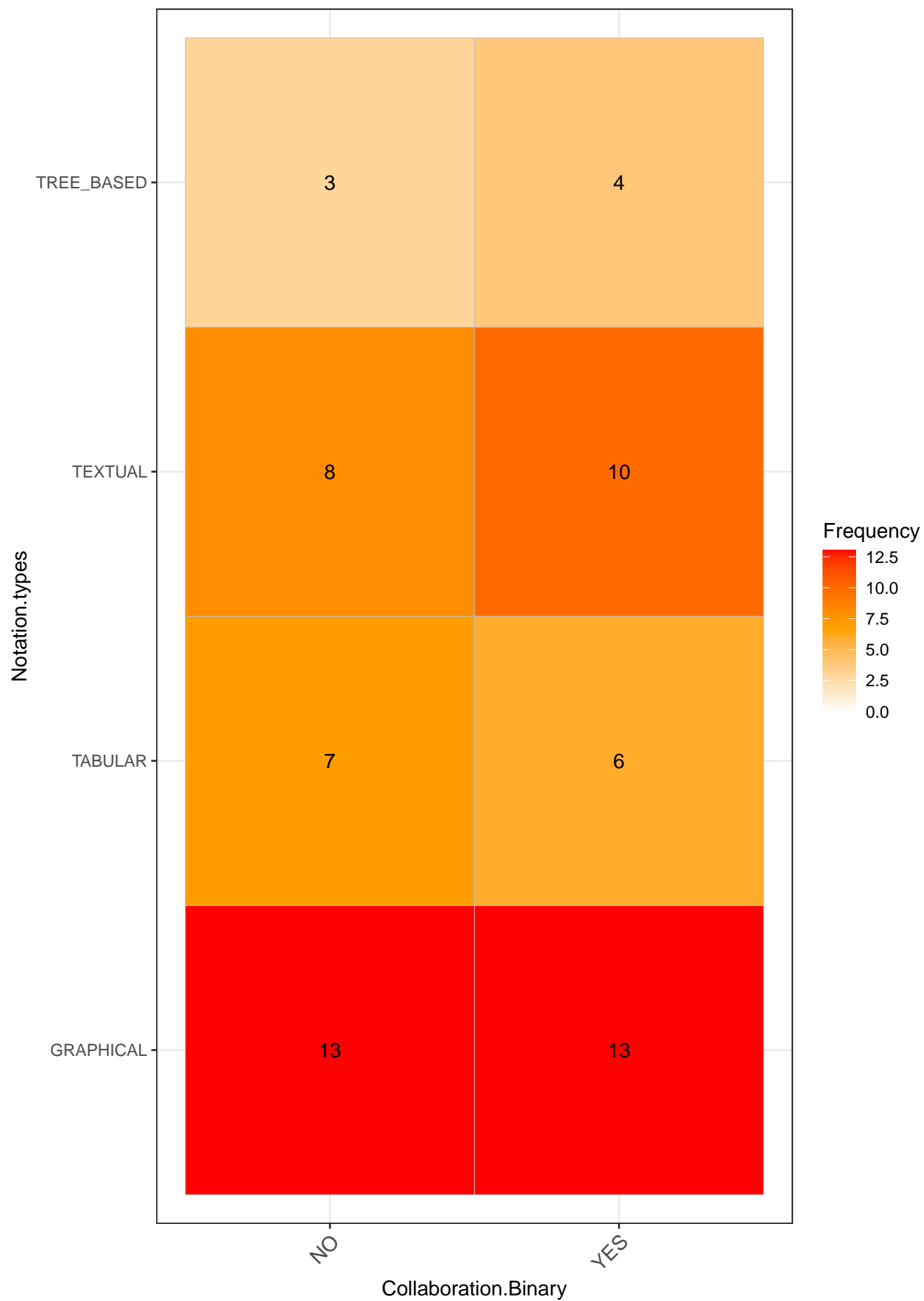
Notation.types_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.5878, p= 0.5878)



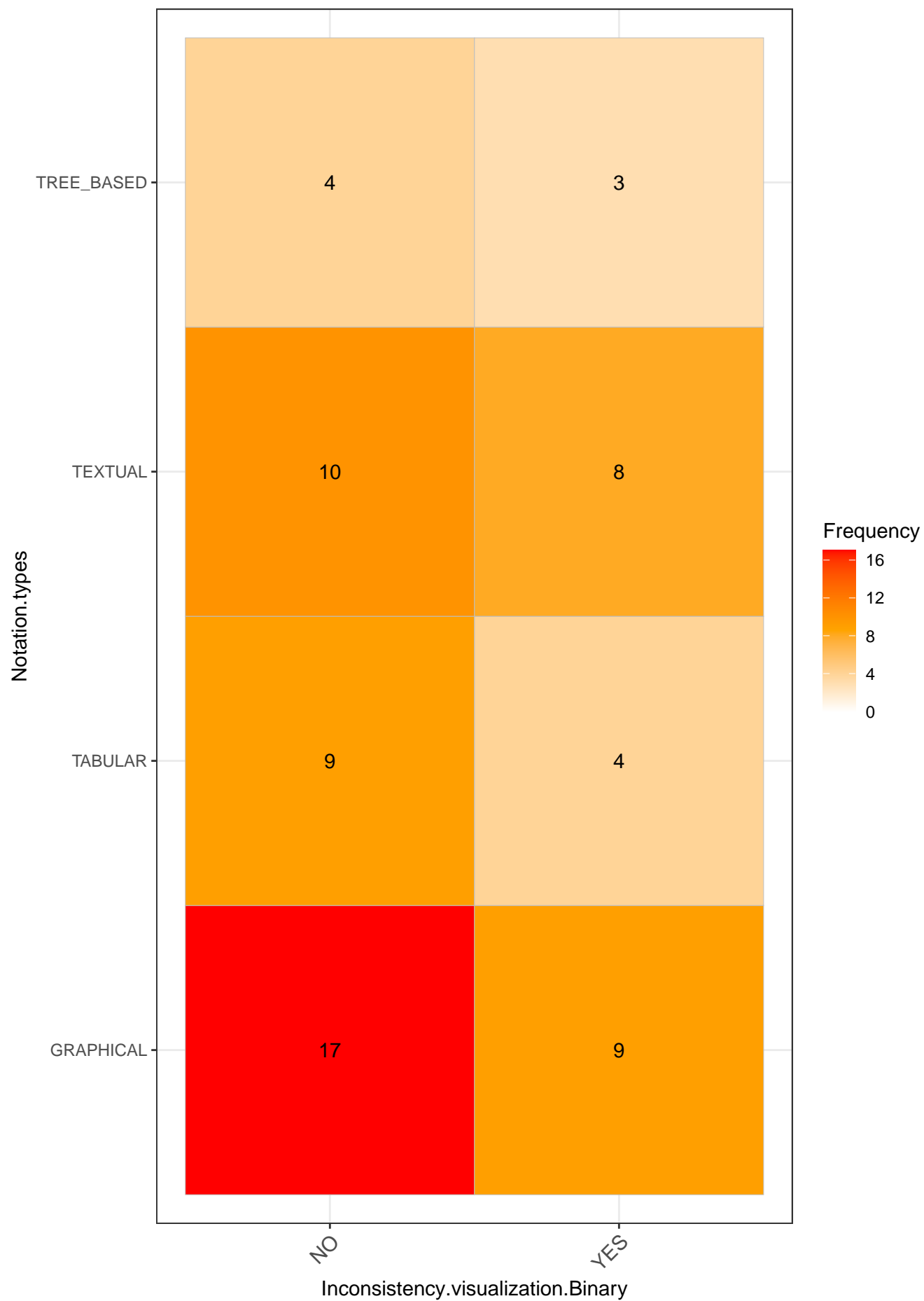
Notation.types_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.1792, p= 0.1792)



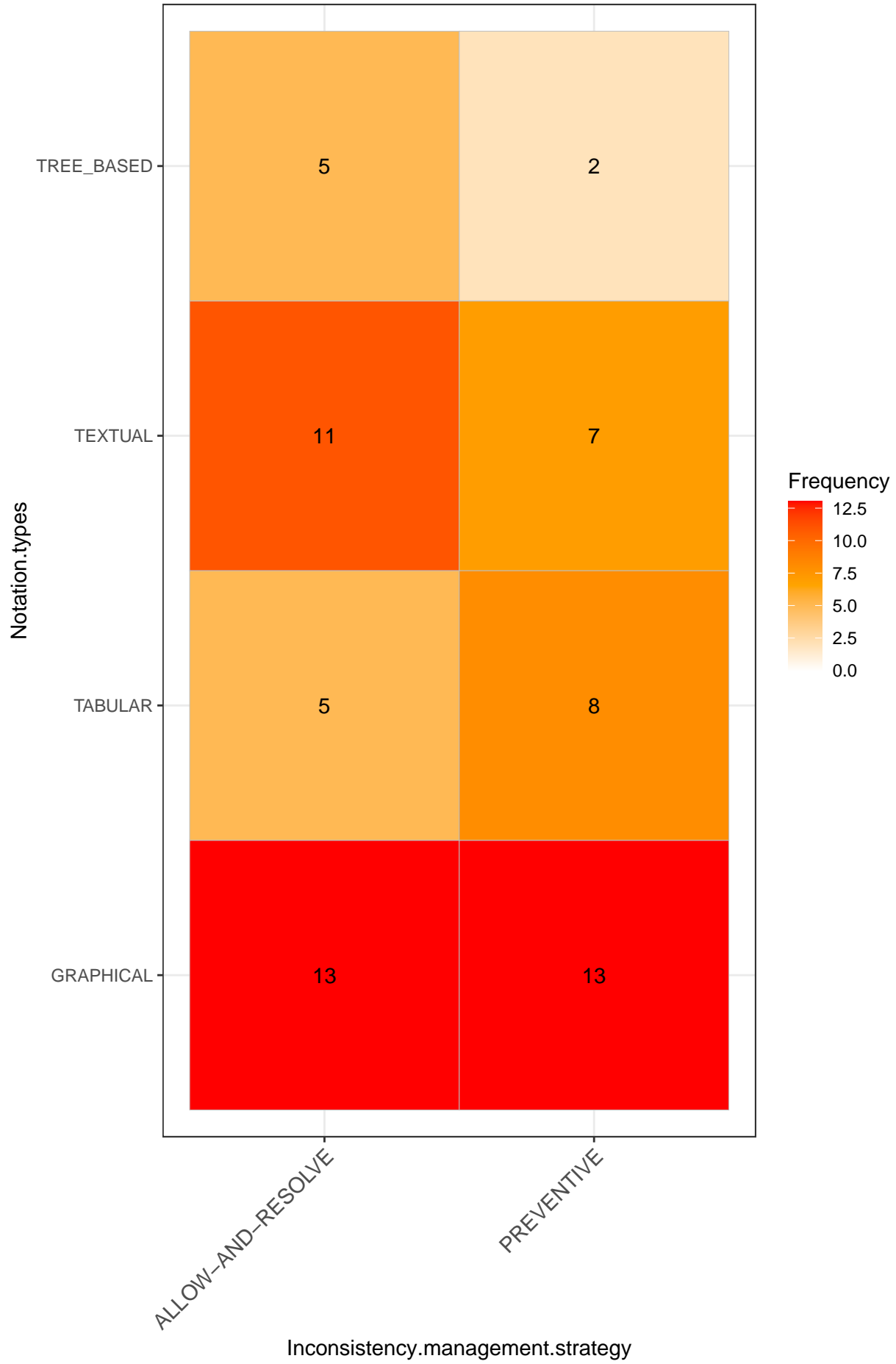
Notation.types Collaboration.Binary (Chi sq w/ Yates p= 0.9444, p= 0.9444)



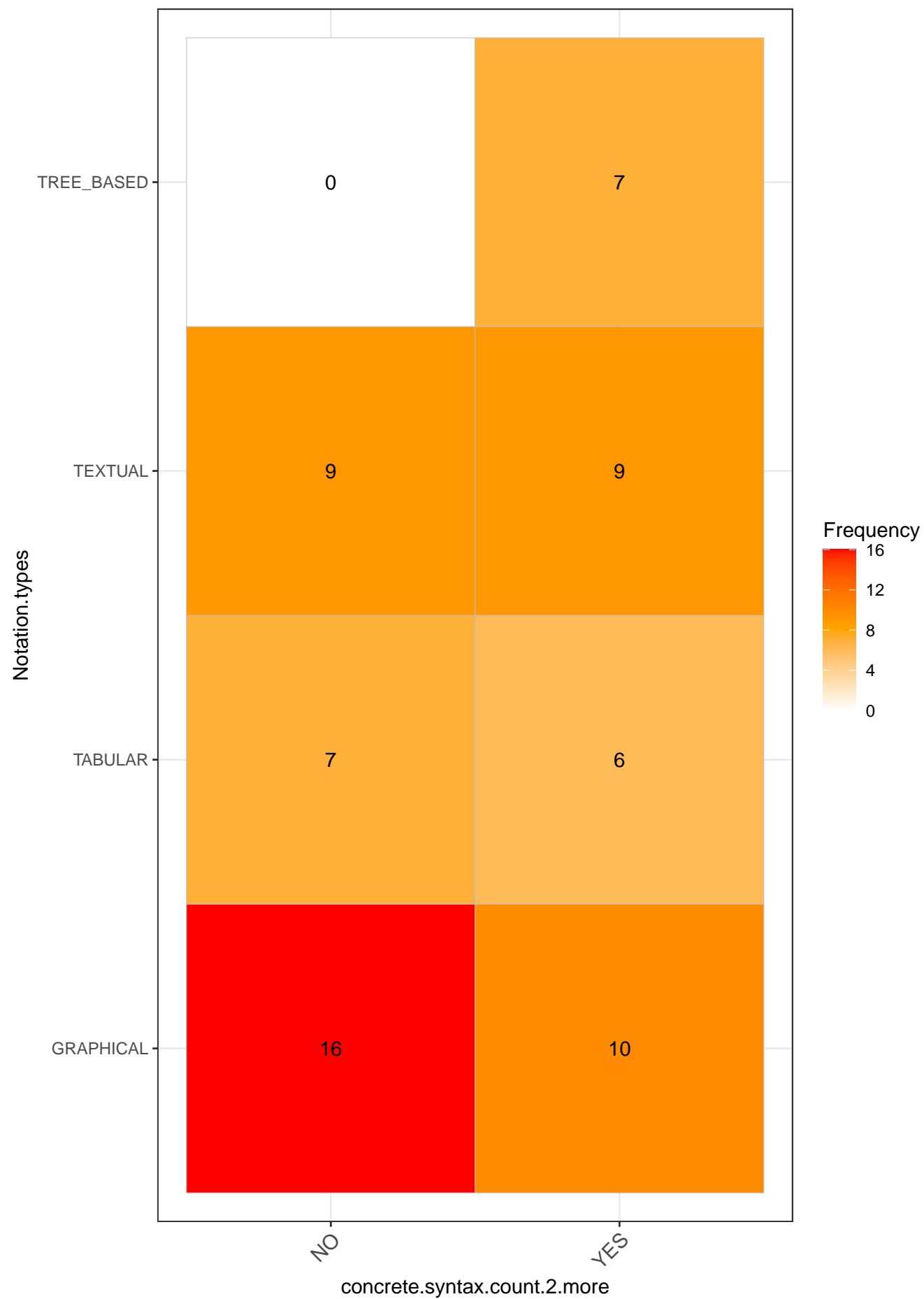
Notation.types_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.8495, p= 0.8495)



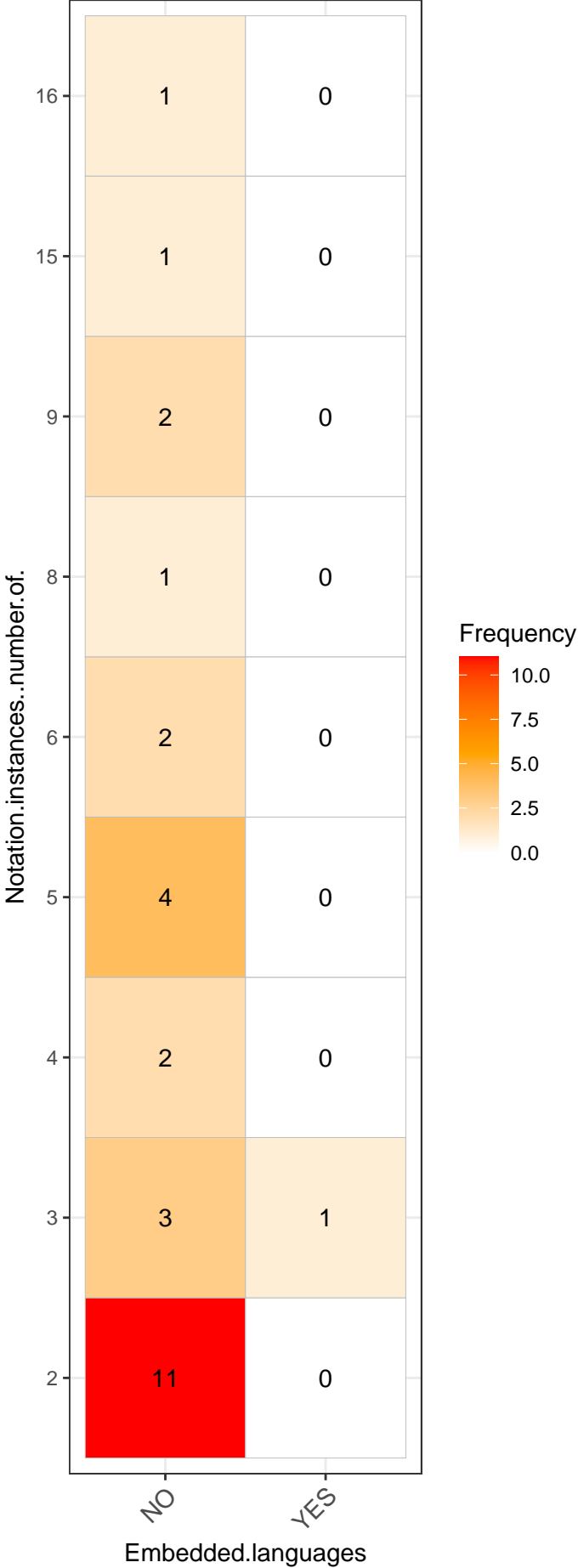
Notation.types_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.4527, p= 0.4527)



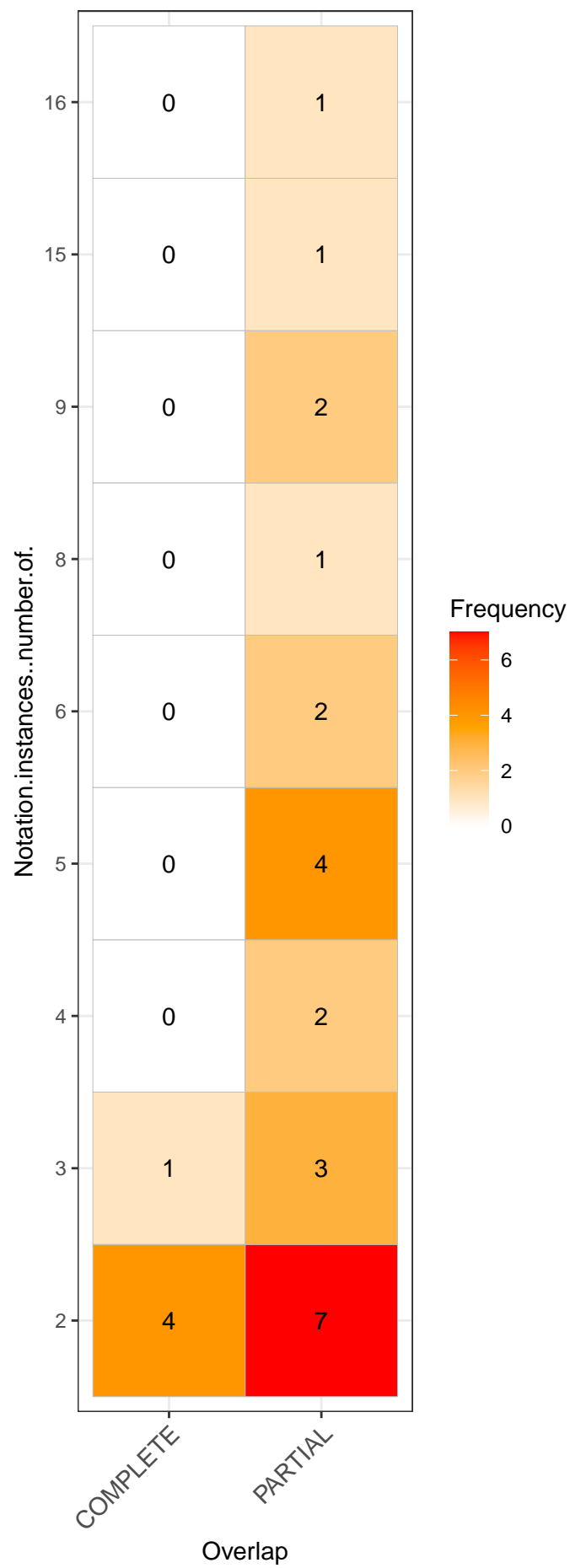
Notation.types_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.0374, p= 0.0374)



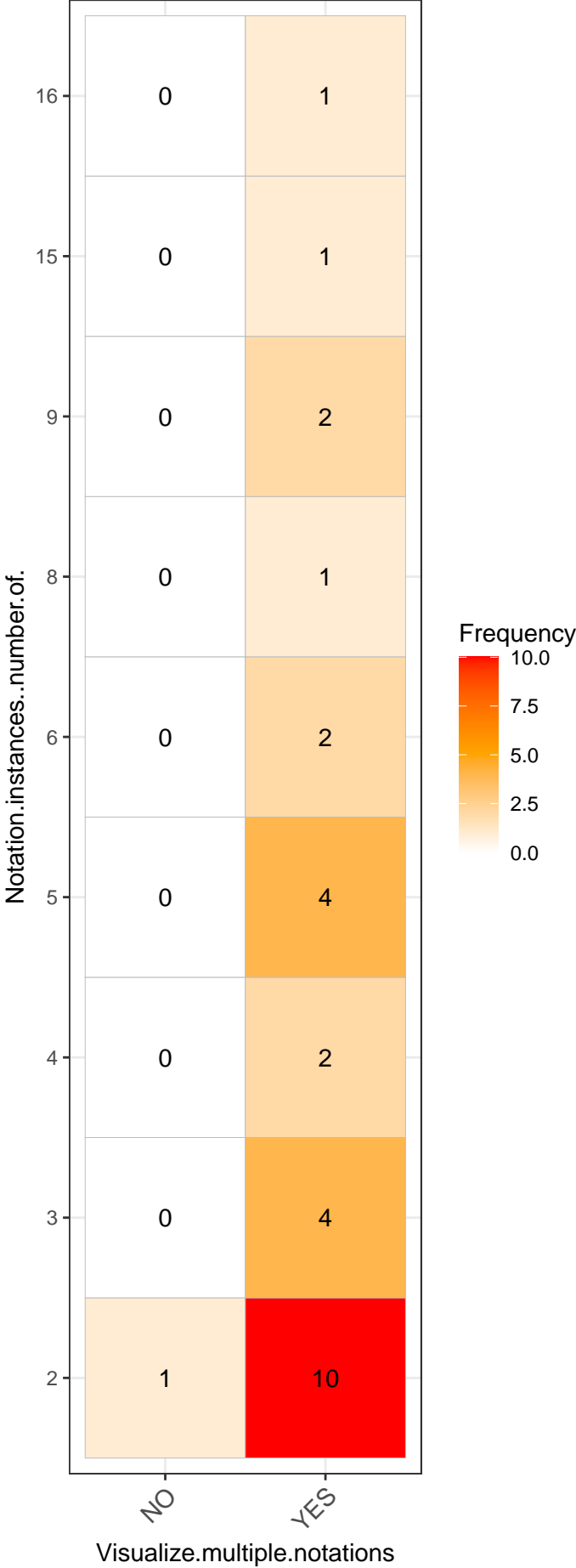
Notation.instances..number.of._____Embedded.languages (Chi sq w/ Yates p= 0.6224, p= 0.6224)



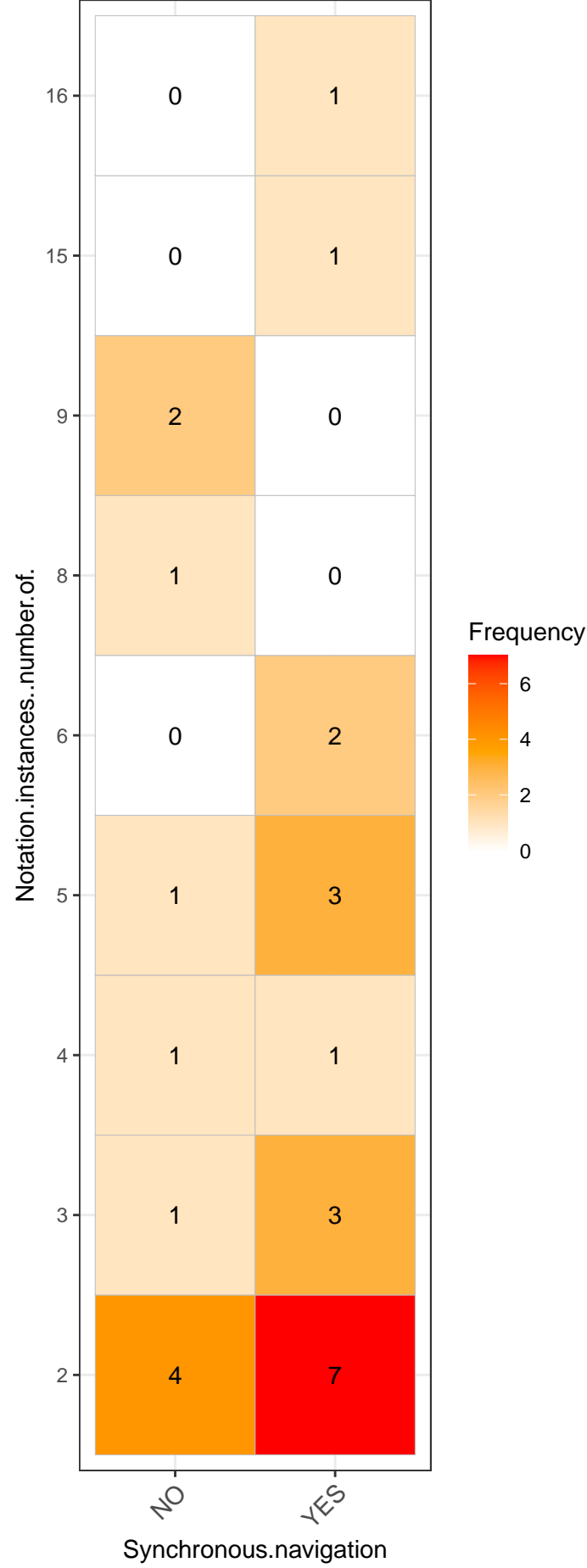
Notation.instances..number.of.Overlap (Chi sq w/ Yates p= 0.6993, p= 0.6993)

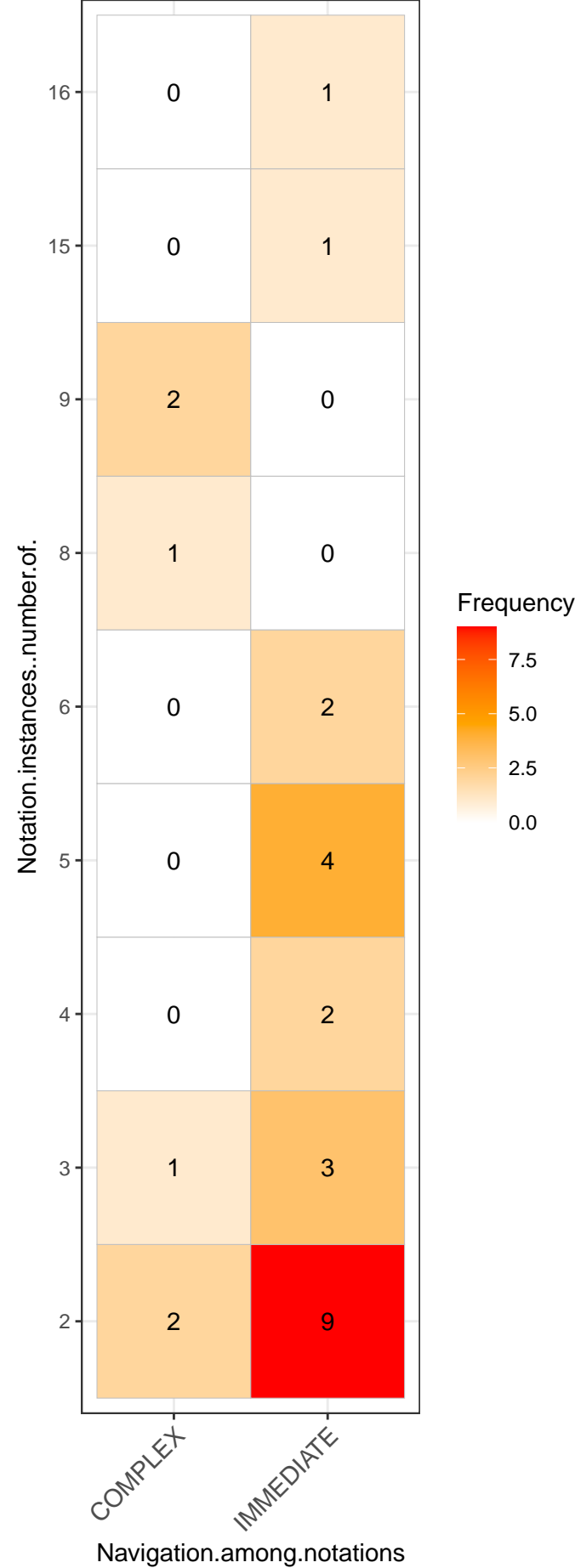


Notation.instances..number.of._____Visualize.multiple.notations (Chi sq w/ Yates p= 0.9909, p= 0.9909)

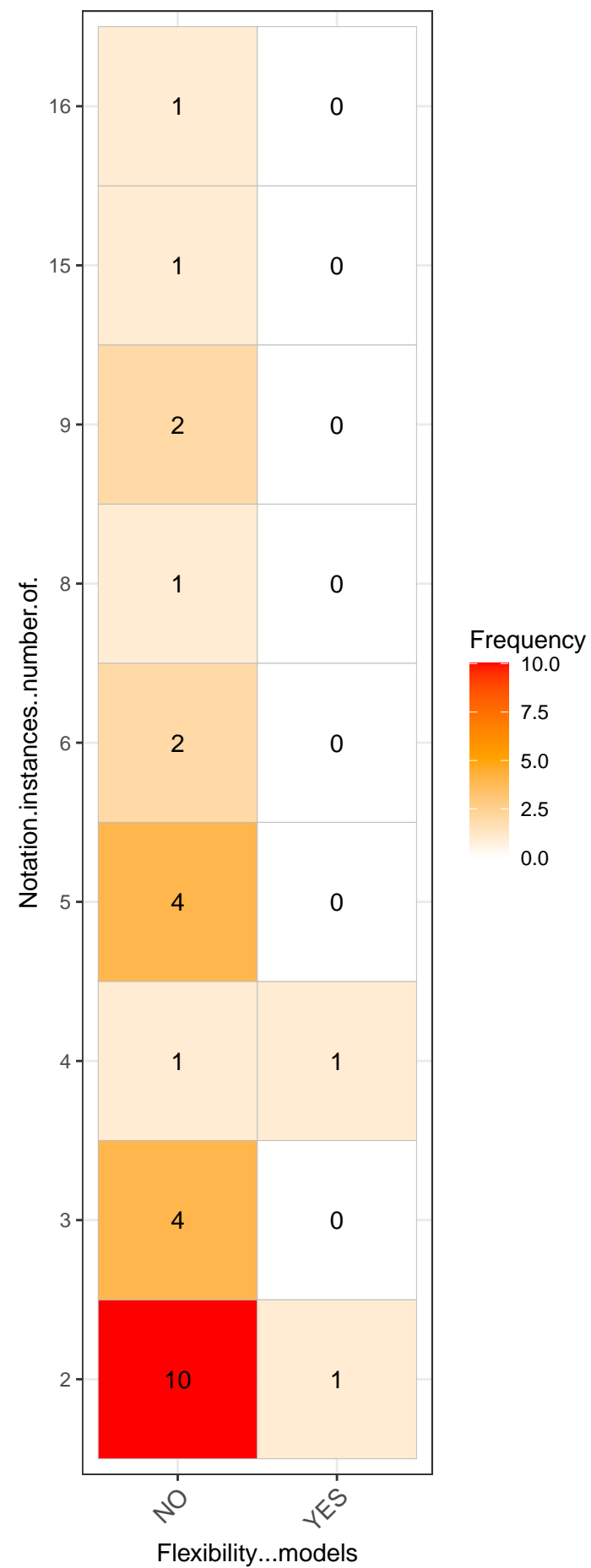


Notation.instances..number.of._____Synchronous.navigation (Chi sq w/ Yates p= 0.414, p= 0.414)

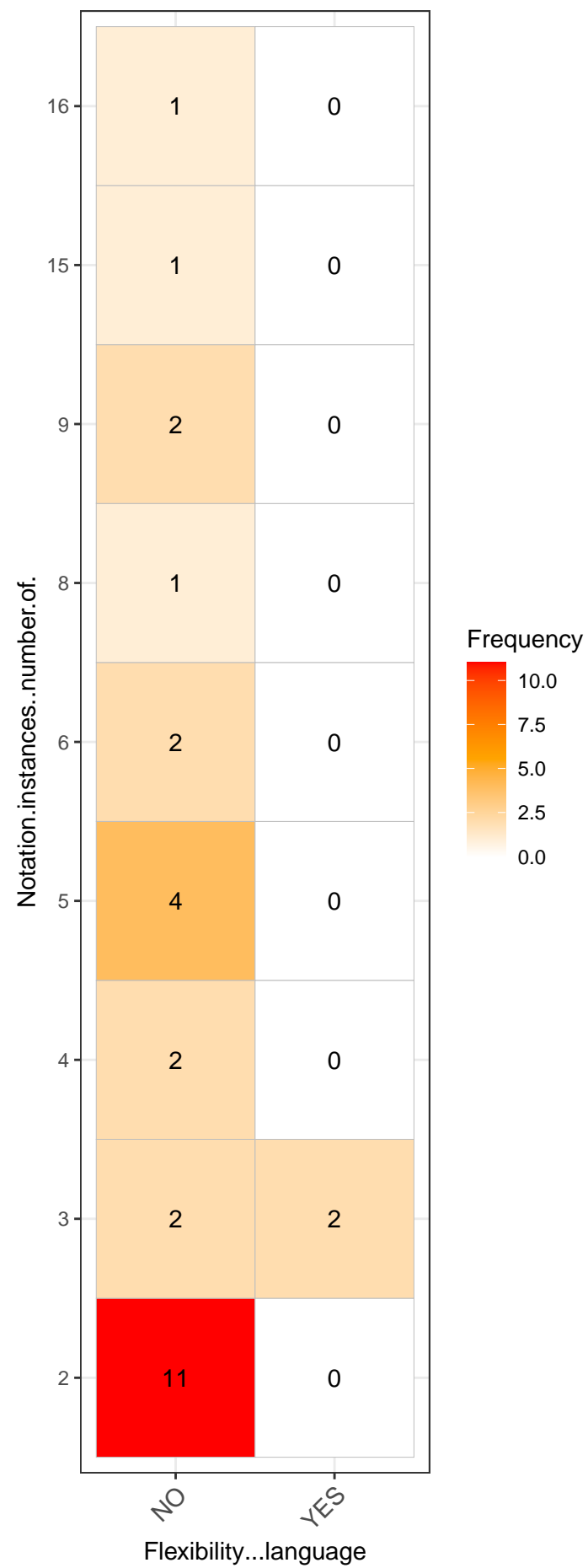




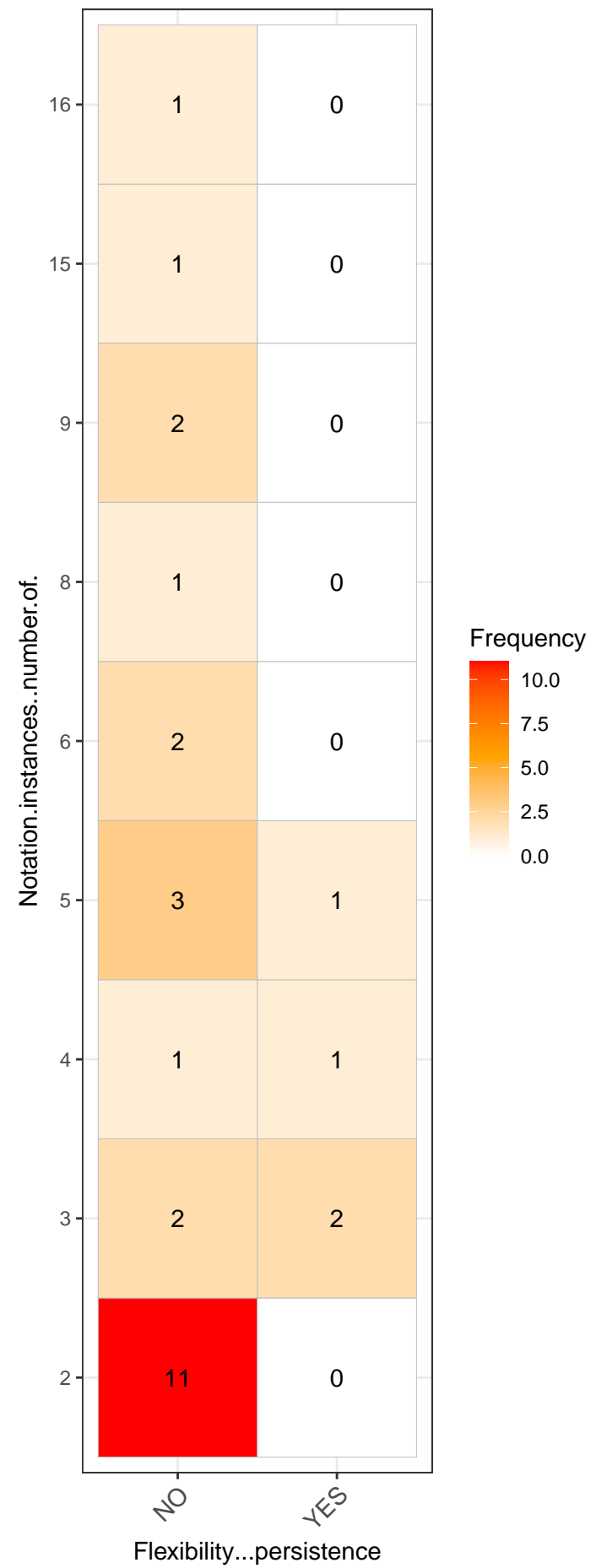
Notation.instances..number.of._____Flexibility...models (Chi sq w/ Yates p= 0.5633, p= 0.5633)



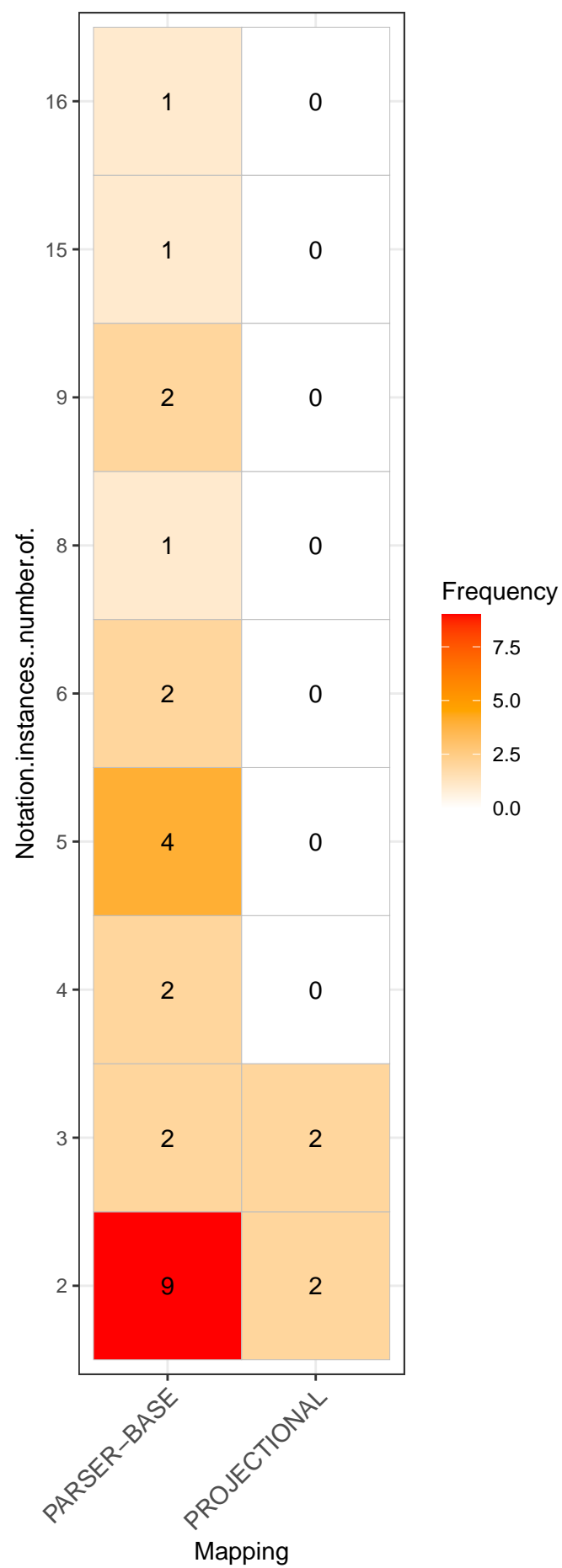
Notation.instances..number.of._____Flexibility...language (Chi sq w/ Yates p= 0.1145, p= 0.1145)



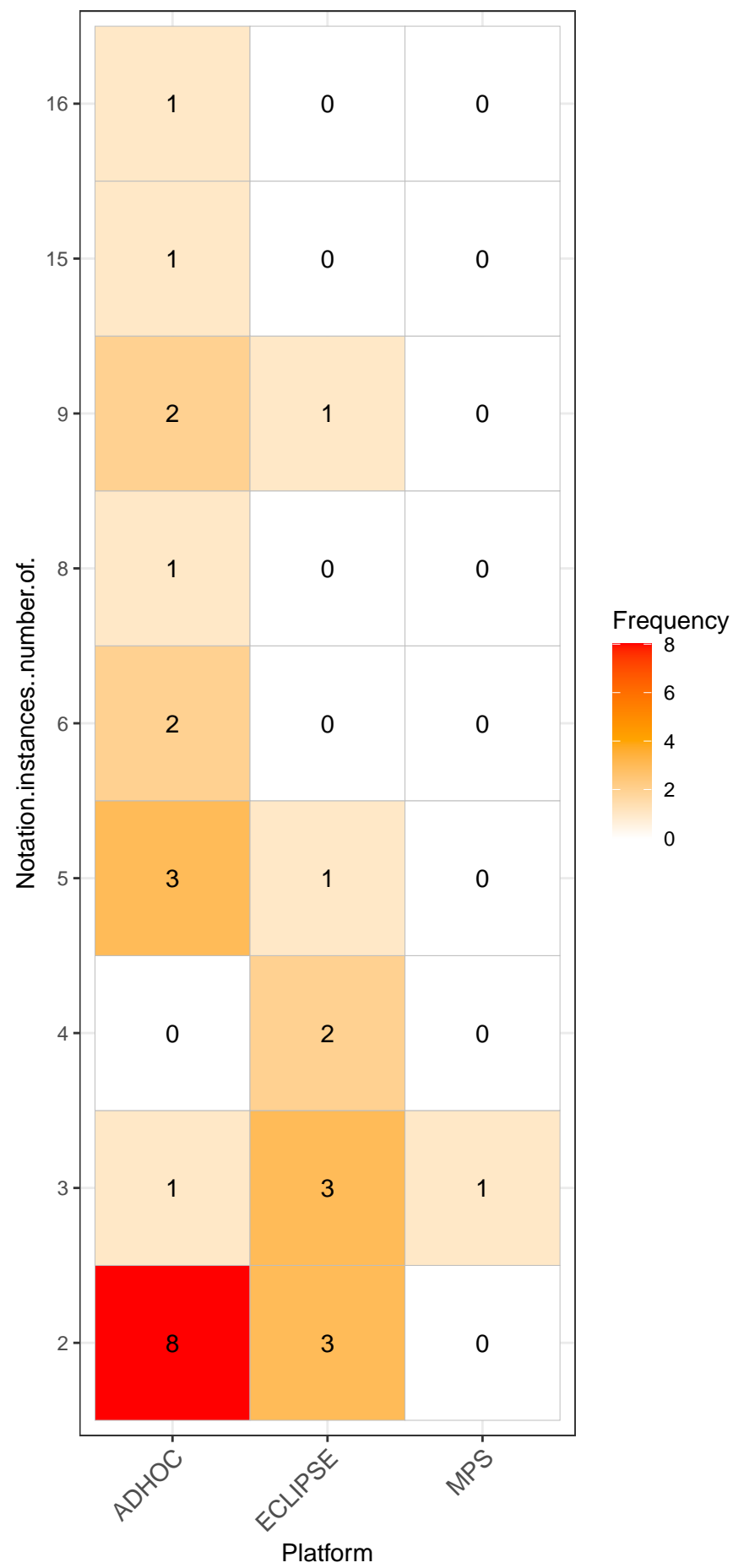
Notation.instances..number.of.____Flexibility...persistence (Chi sq w/ Yates p= 0.2923, p= 0.2923)



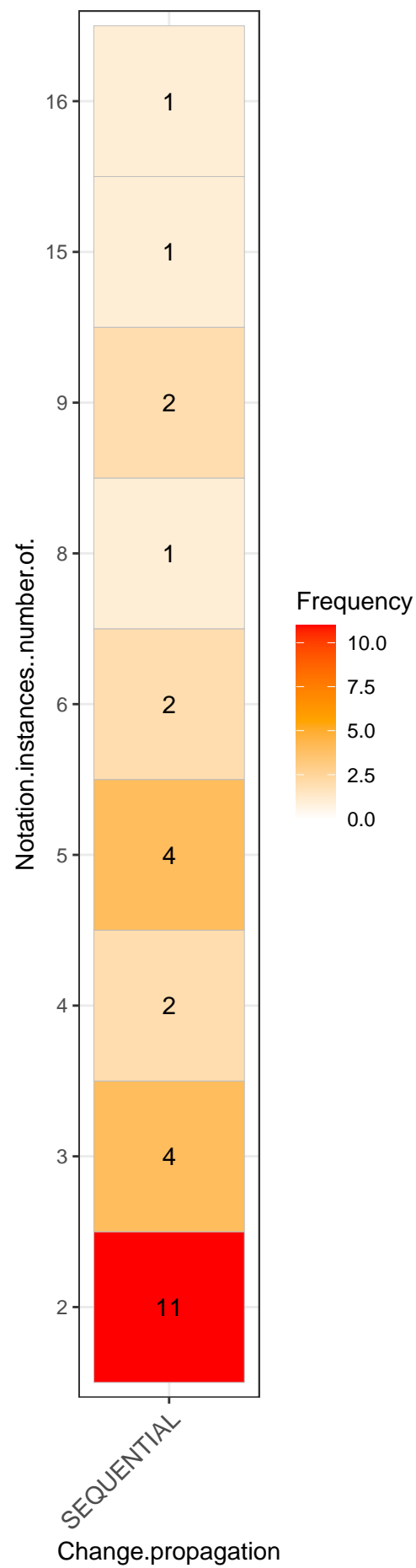
Notation.instances..number.of._____Mapping (Chi sq w/ Yates p= 0.5948, p= 0.5948)



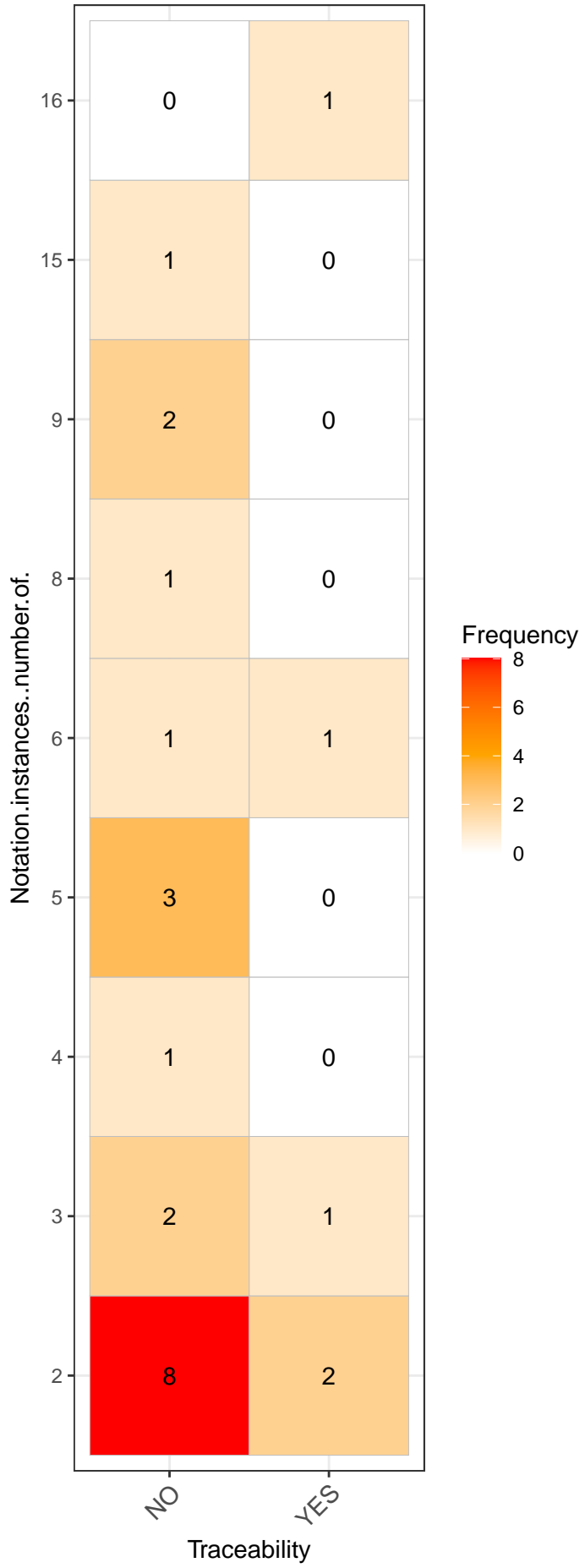
Notation.instances..number.of. Platform (Chi sq w/ Yates p= 0.5497, p= 0.5497)



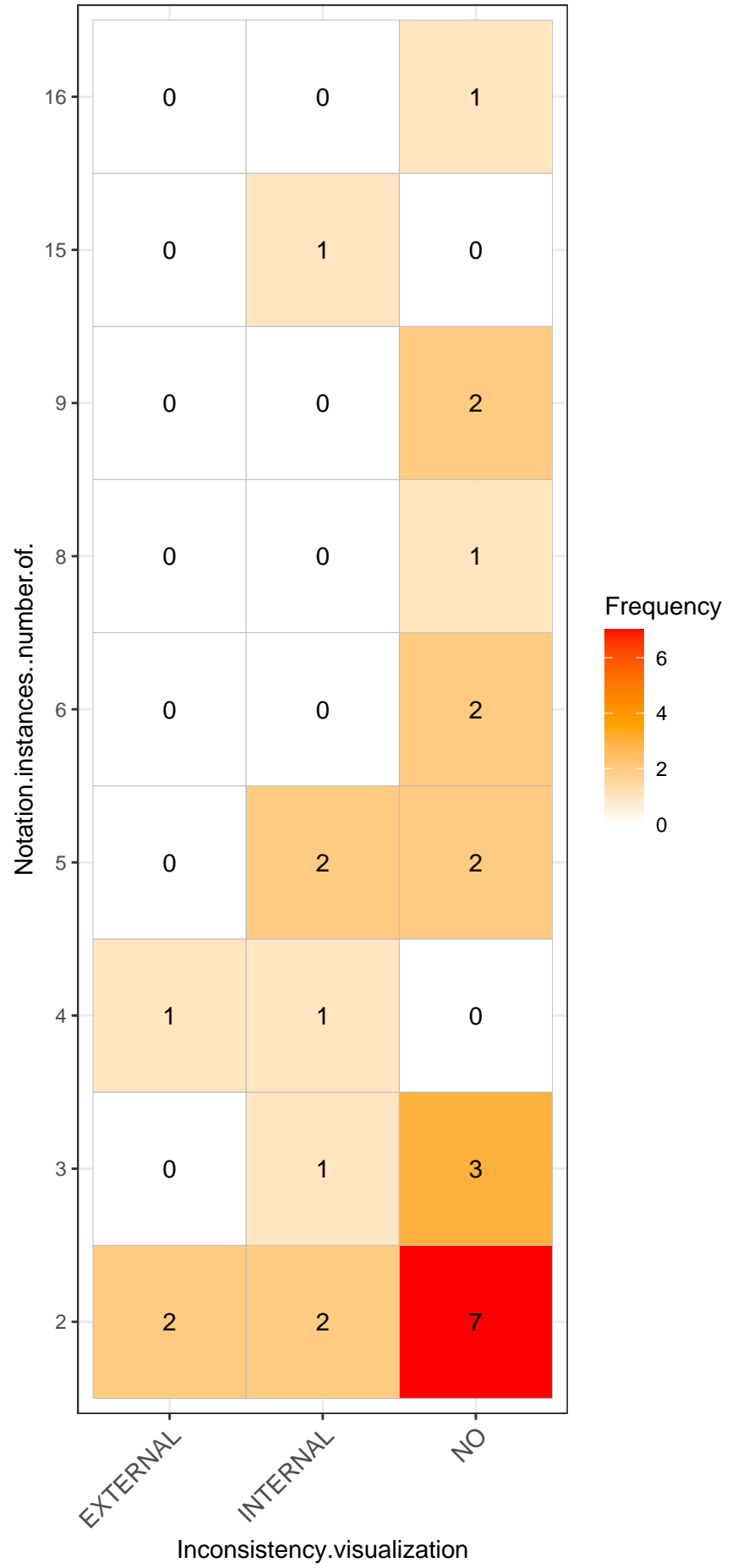
Notation.instances..number.of._____Change.propagation (Chi sq w/ Yates p= 1, p= 1)



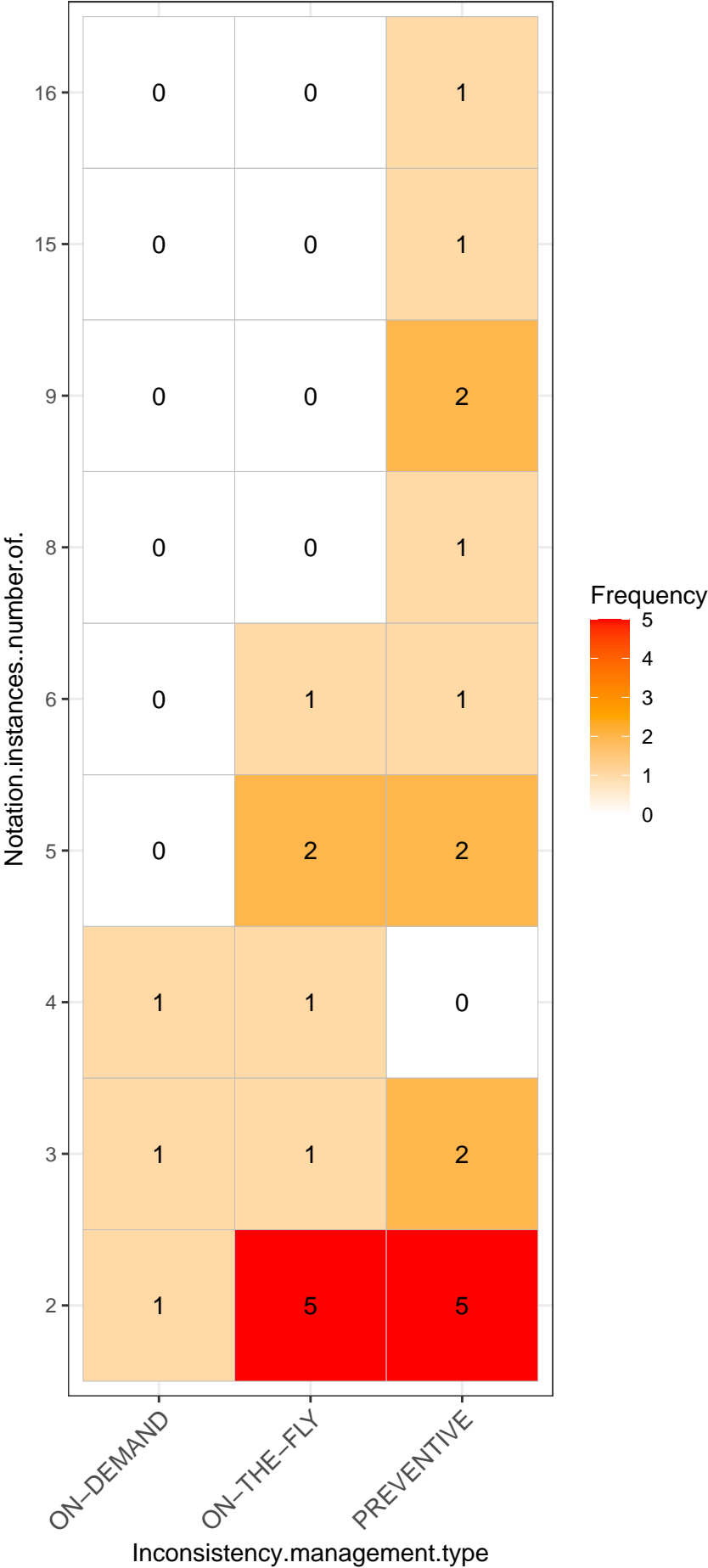
Notation.instances..number.of._____Traceability (Chi sq w/ Yates p= 0.5125, p= 0.5125)



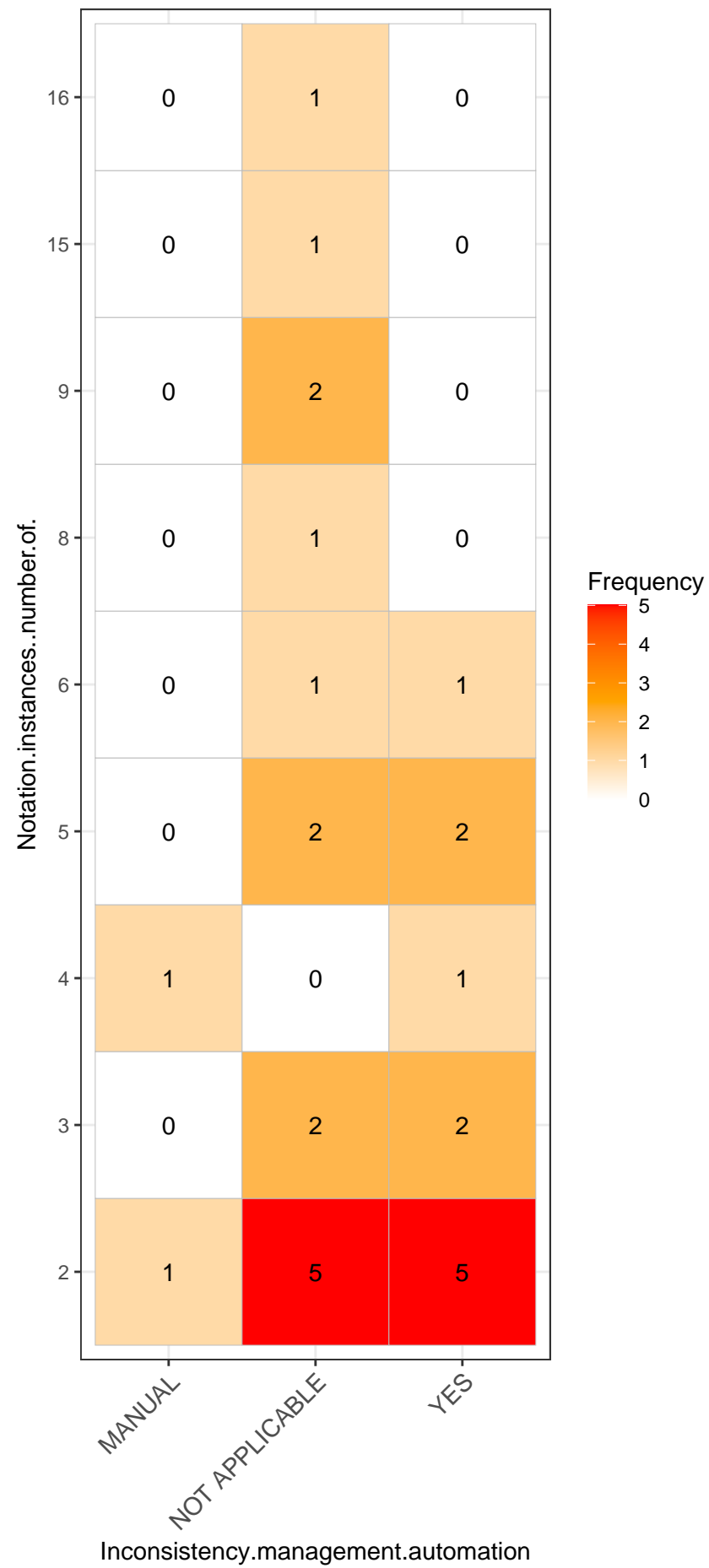
Notation.instances..number.of. Inconsistency.visualization (Chi sq w/ Yates p= 0.6111, p= 0.6111)



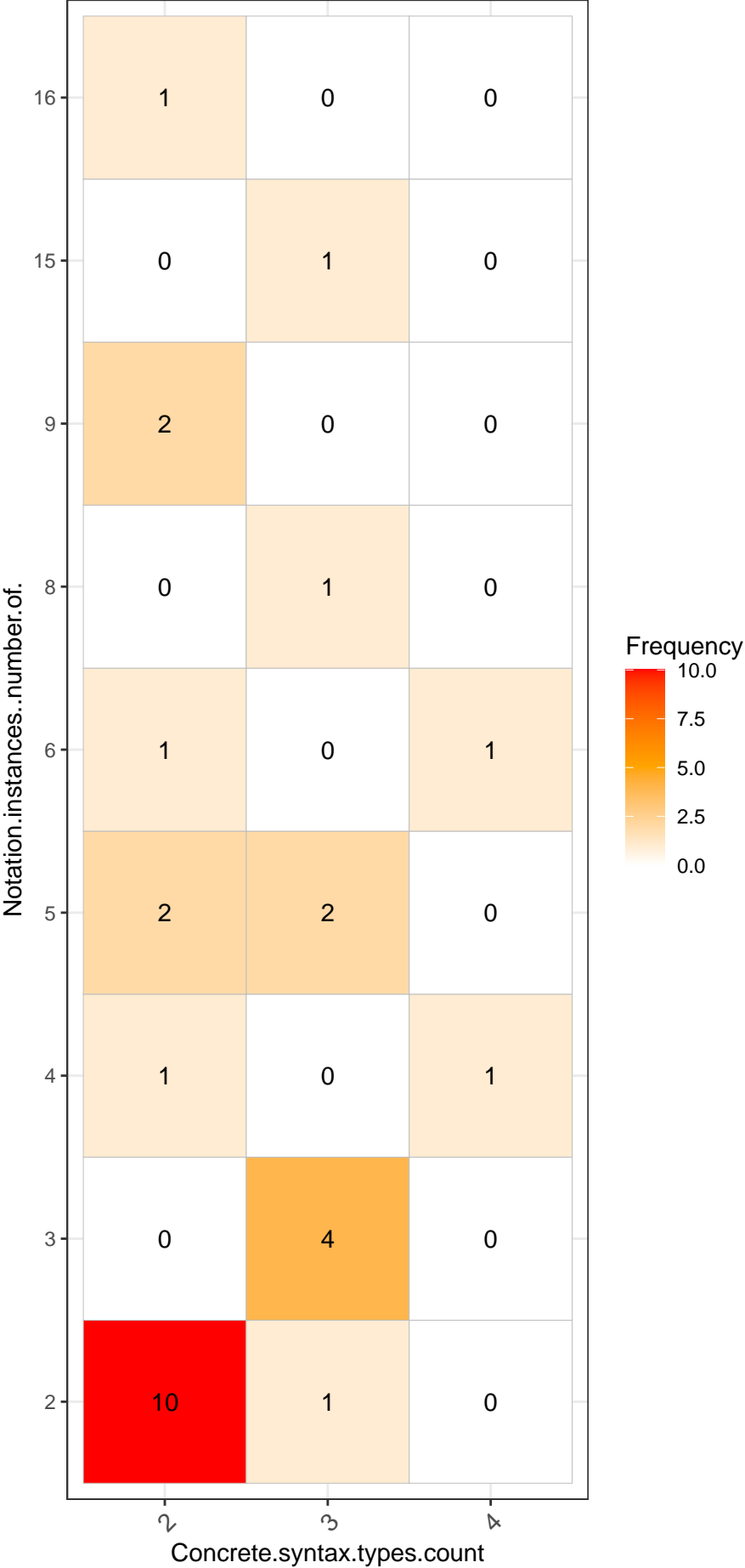
Notation.instances..number.of._____Inconsistency.management.type (Chi sq w/ Yates p= 0.8244, p= 0.8244)



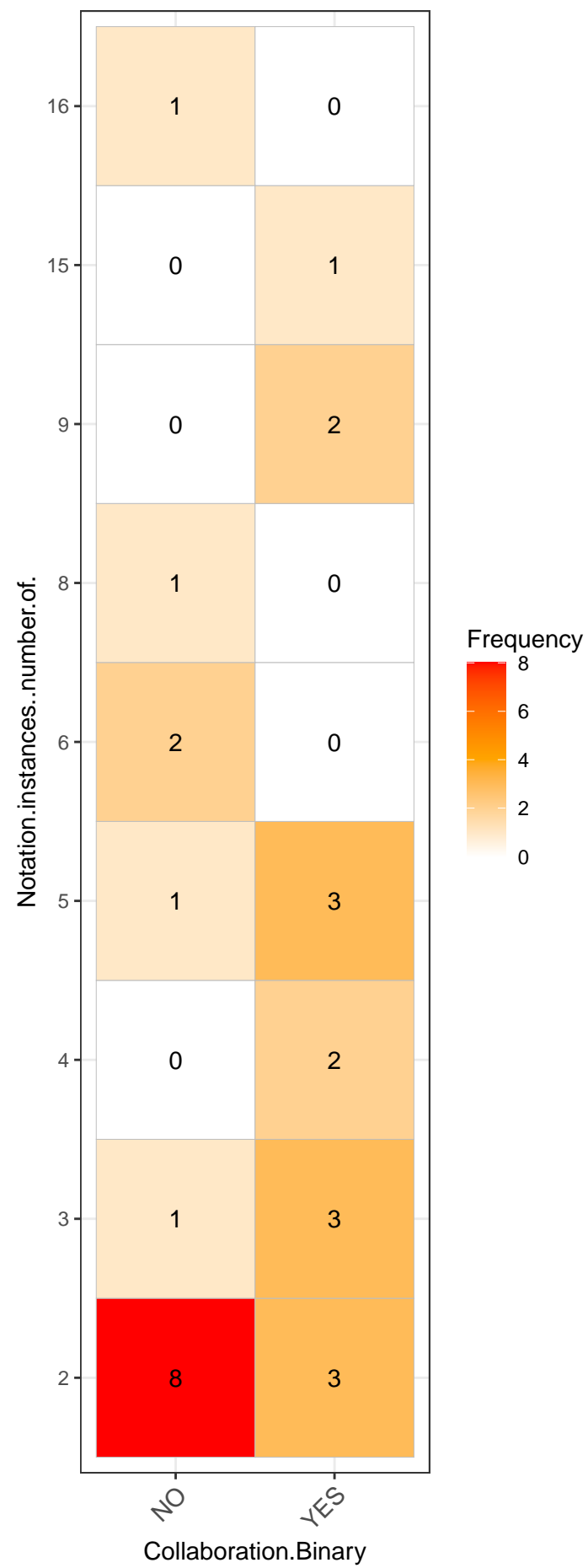
Notation.instances..number.of. Inconsistency.management.automation (Chi sq w/ Yates p= 0.7483, p= 0.7483)



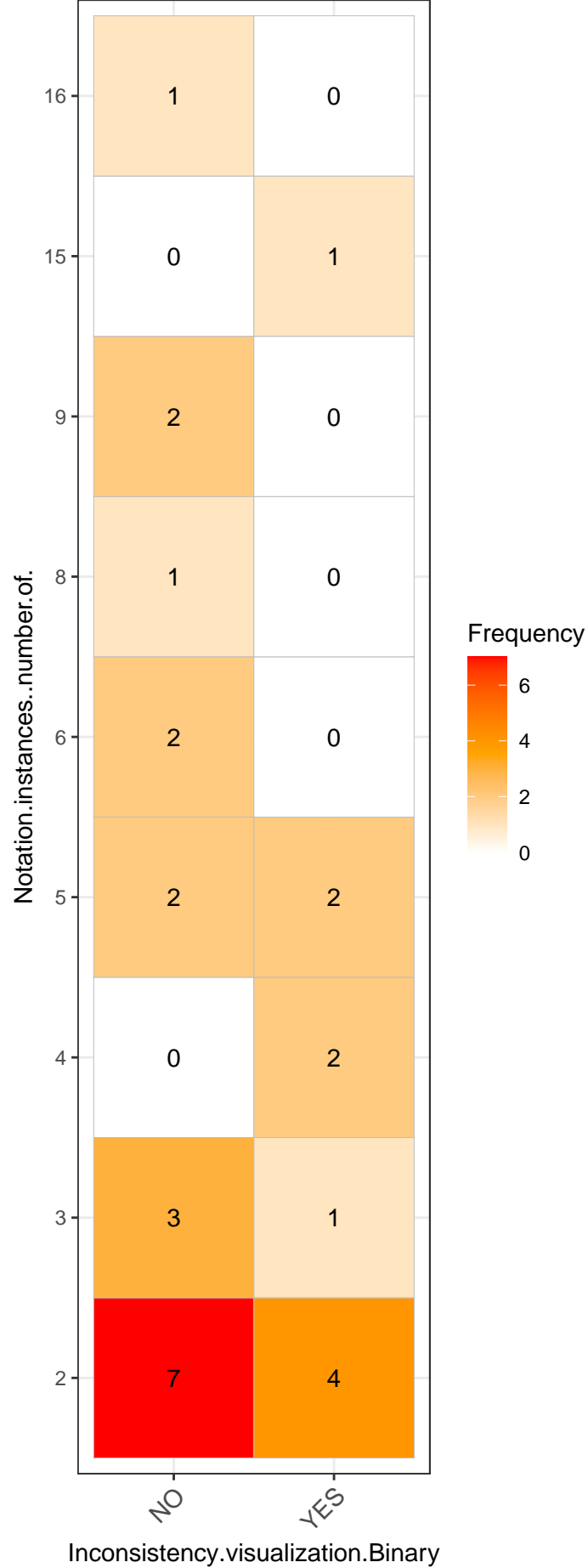
Notation.instances..number.of. Concrete.syntax.types.count (Chi sq w/ Yates p= 0.0124, p= 0.0124)



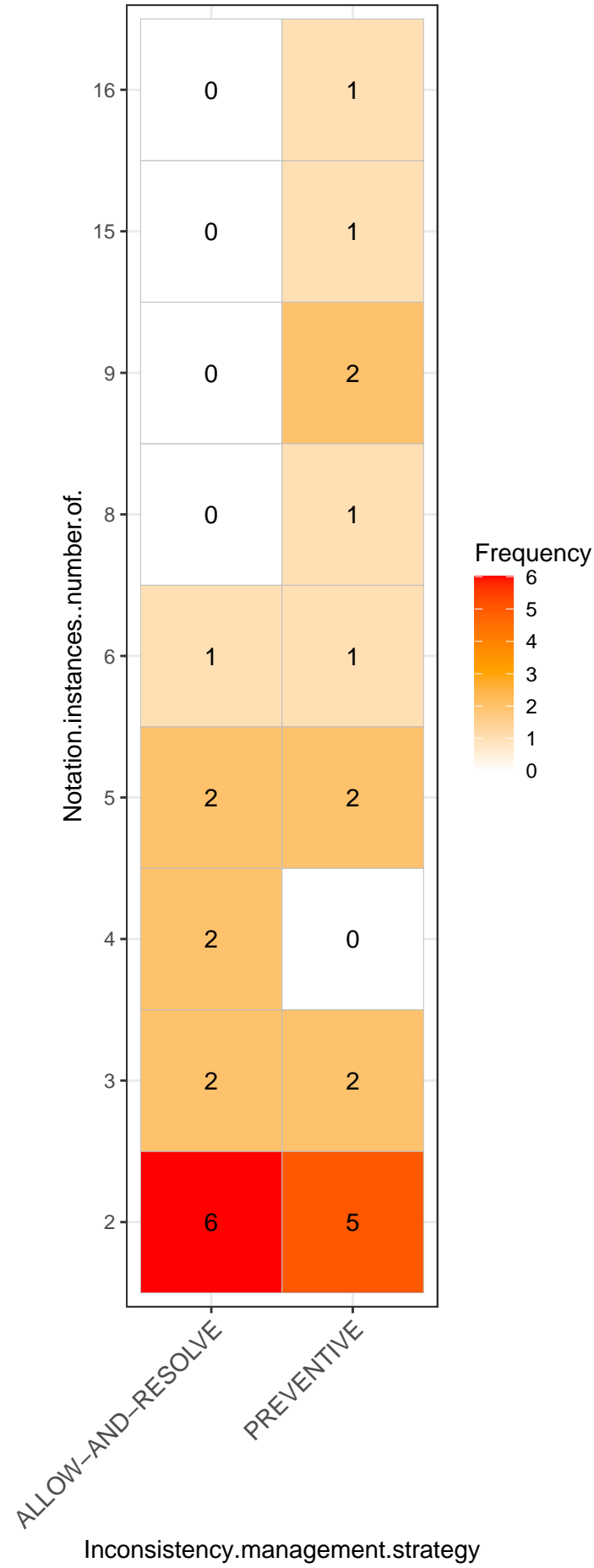
Notation.instances..number.of. Collaboration.Binary (Chi sq w/ Yates p= 0.1028, p= 0.1028)



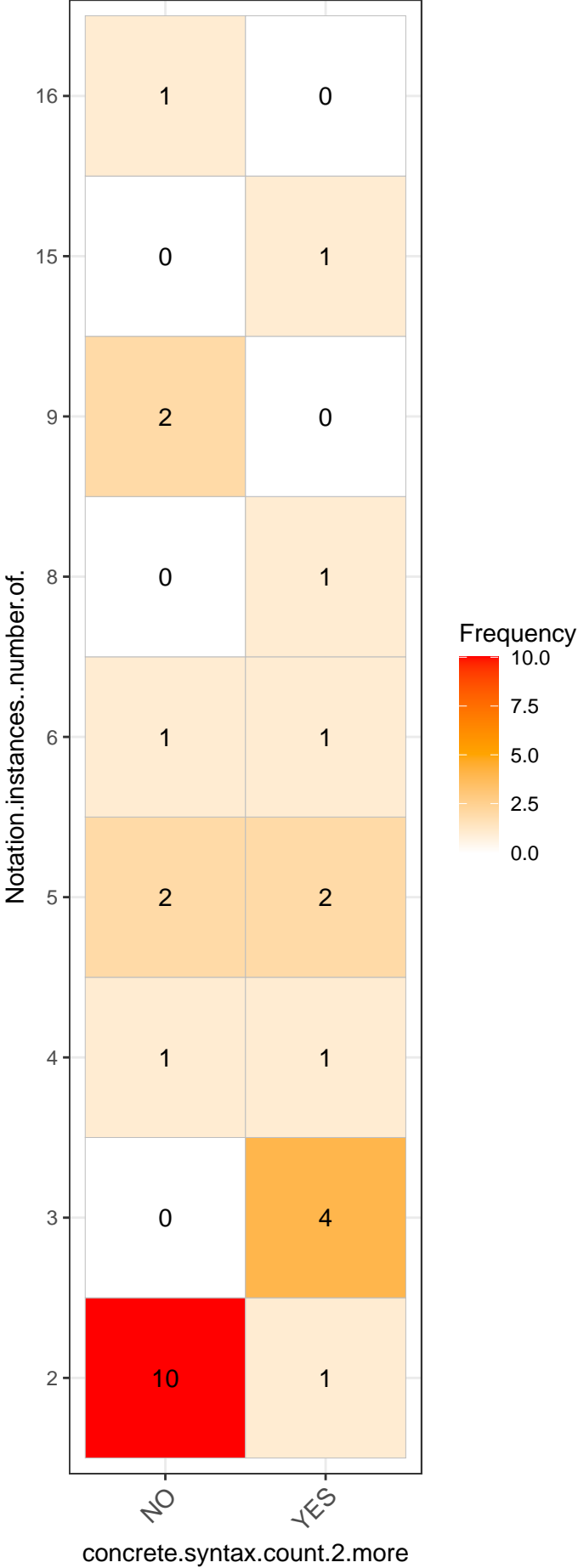
Notation.instances..number.of. Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.3184, p= 0.3184)



Notation.instances..number.of._____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.5384, p= 0.5384)



Notation.instances..number.of._____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.0453, p= 0.0453)



Embedded.languages_____Overlap (Chi sq w/ Yates p= 0.4259, p= 0.0366)

Embedded.languages

YES

1

0

NO

4

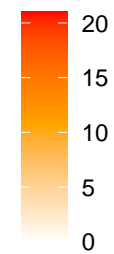
21

COMPLETE

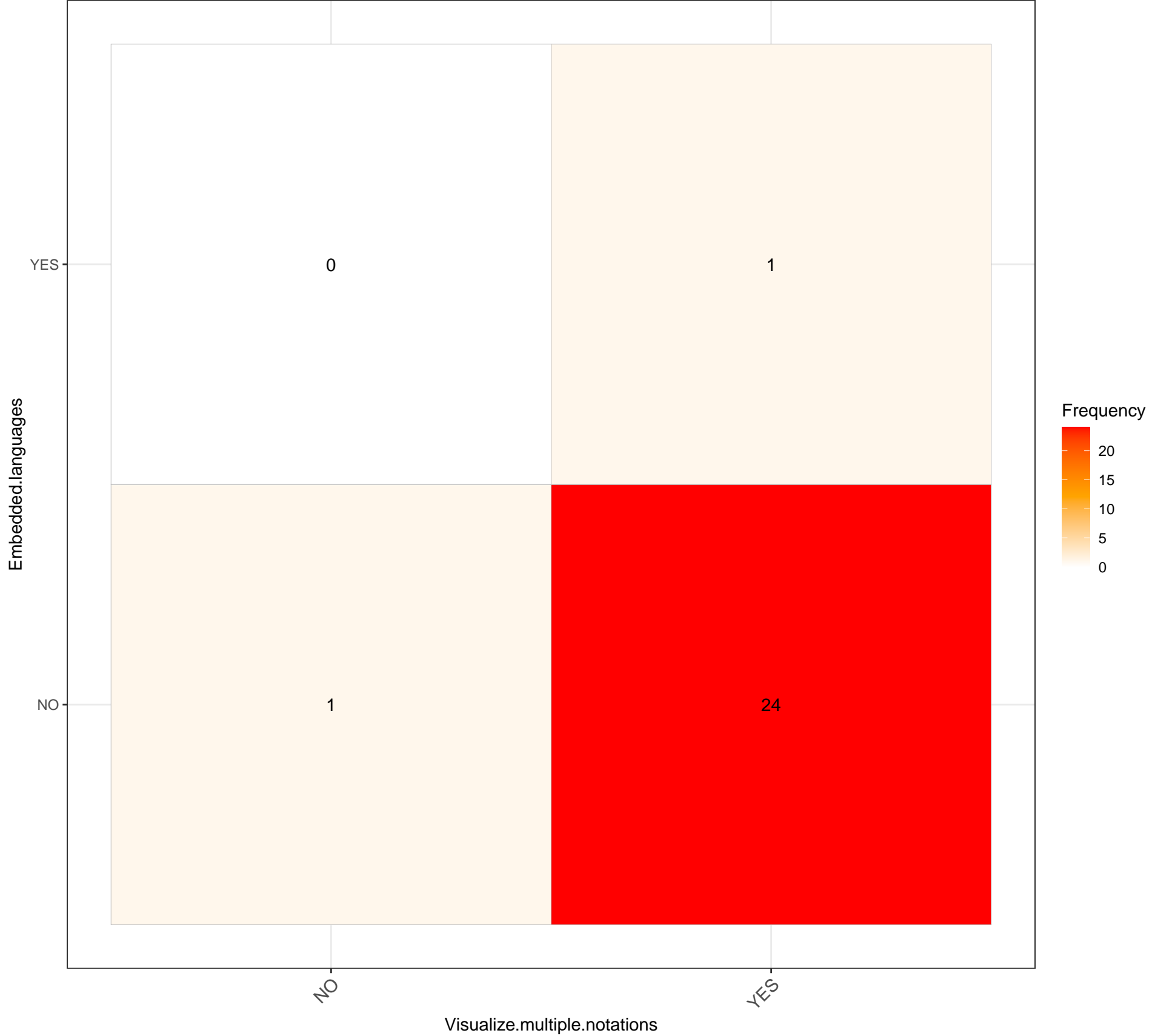
PARTIAL

Overlap

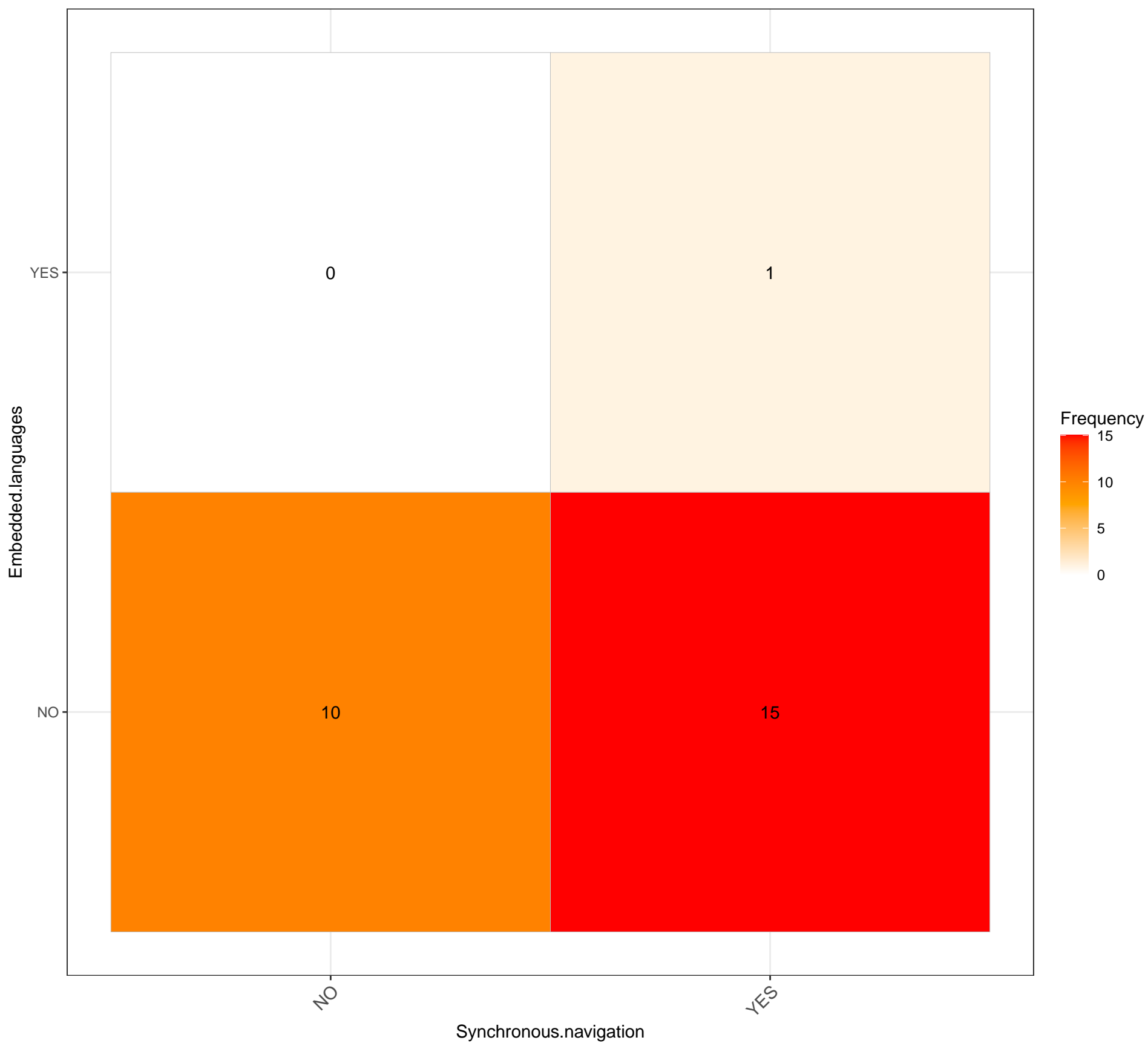
Frequency



Embedded.languages____Visualize.multiple.notations (Chi sq w/ Yates p= 1, p= 0.8384)



Embedded.languages____Synchronous.navigation (Chi sq w/ Yates p= 1, p= 0.4201)



Embedded.languages____Navigation.among.notations (Chi sq w/ Yates p= 1, p= 0.5765)

Embedded.languages

YES

0

1

NO

6

19

COMPLEX

IMMEDIATE

Navigation.among.notations

Frequency

15

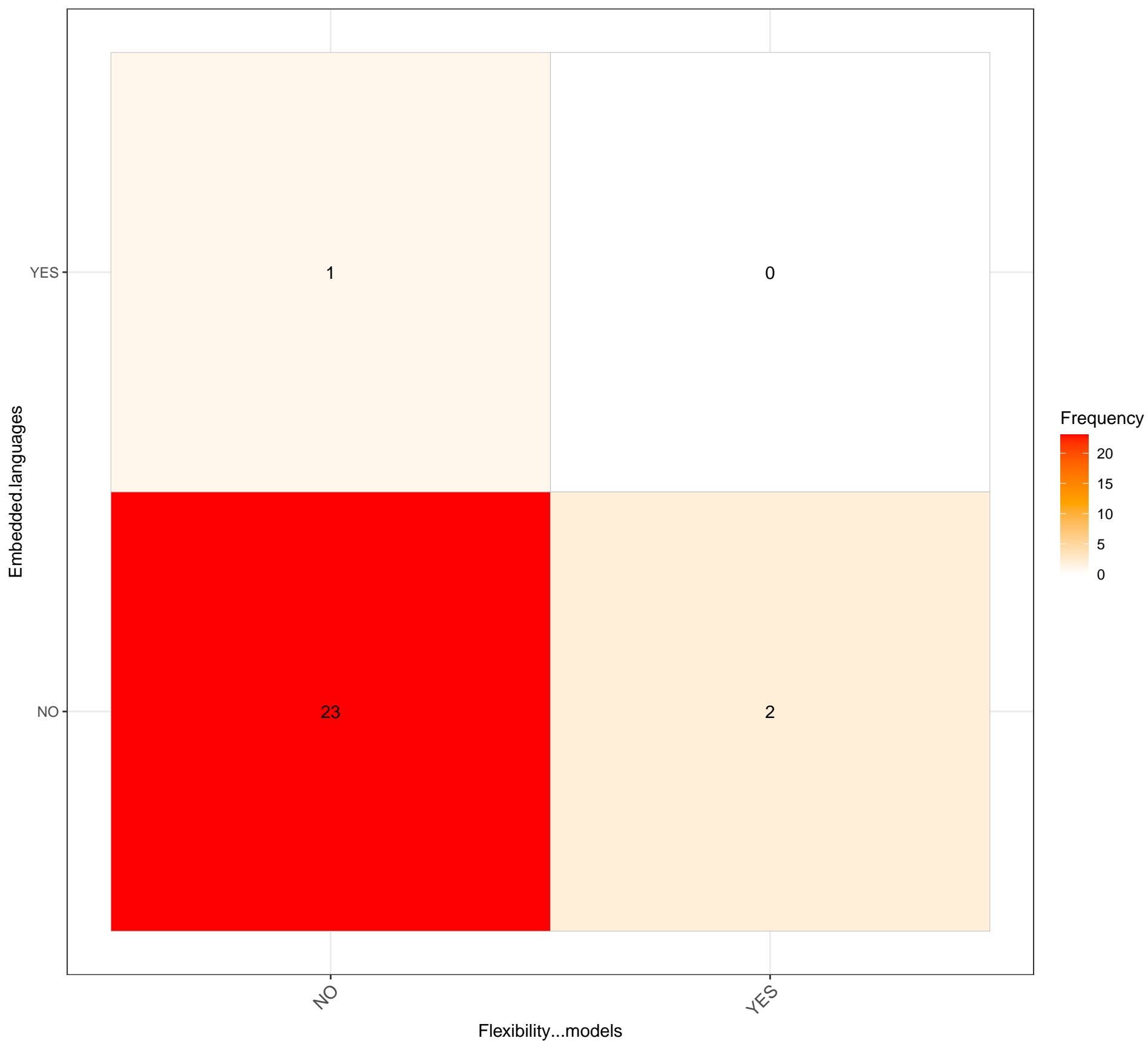
10

5

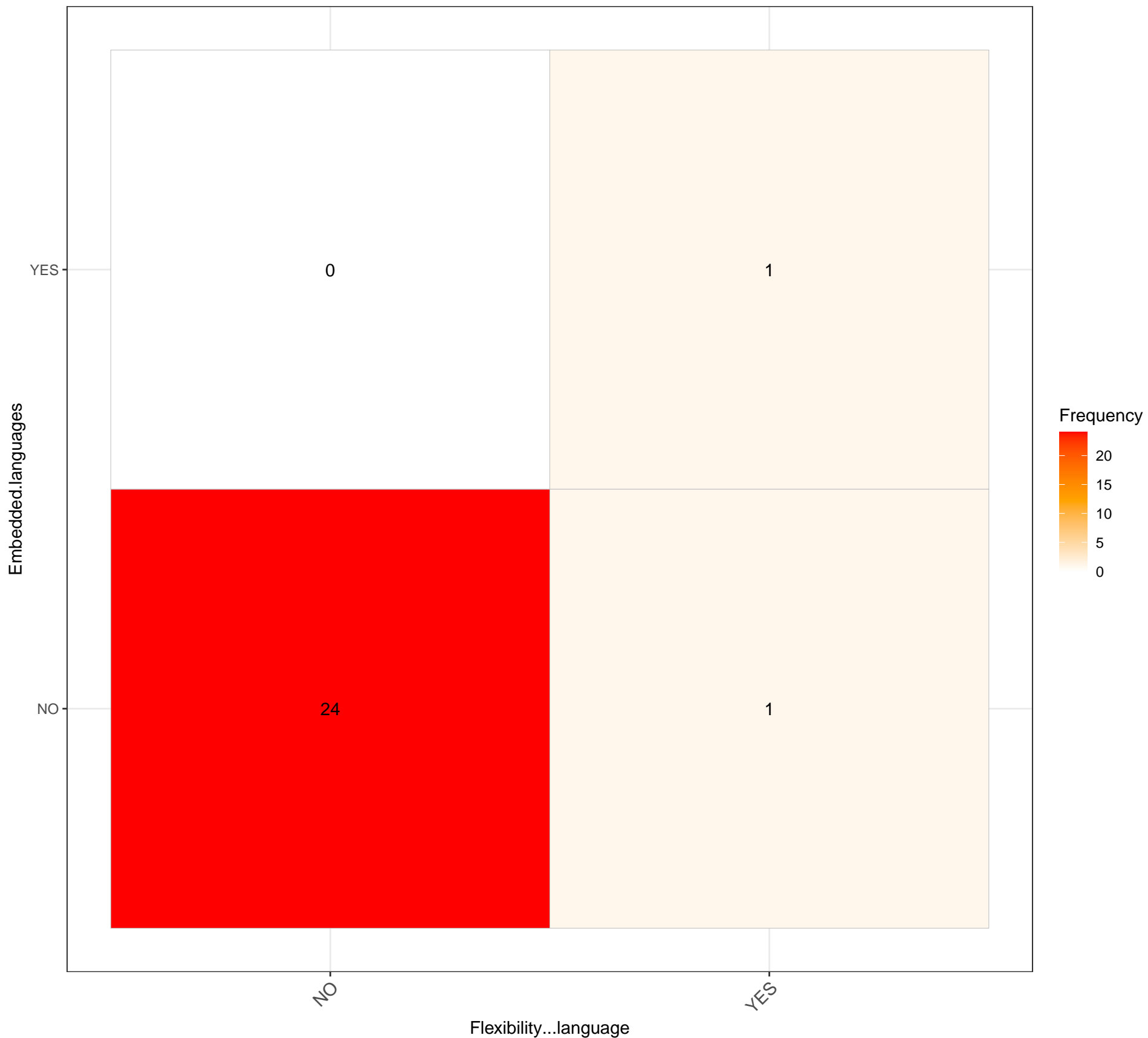
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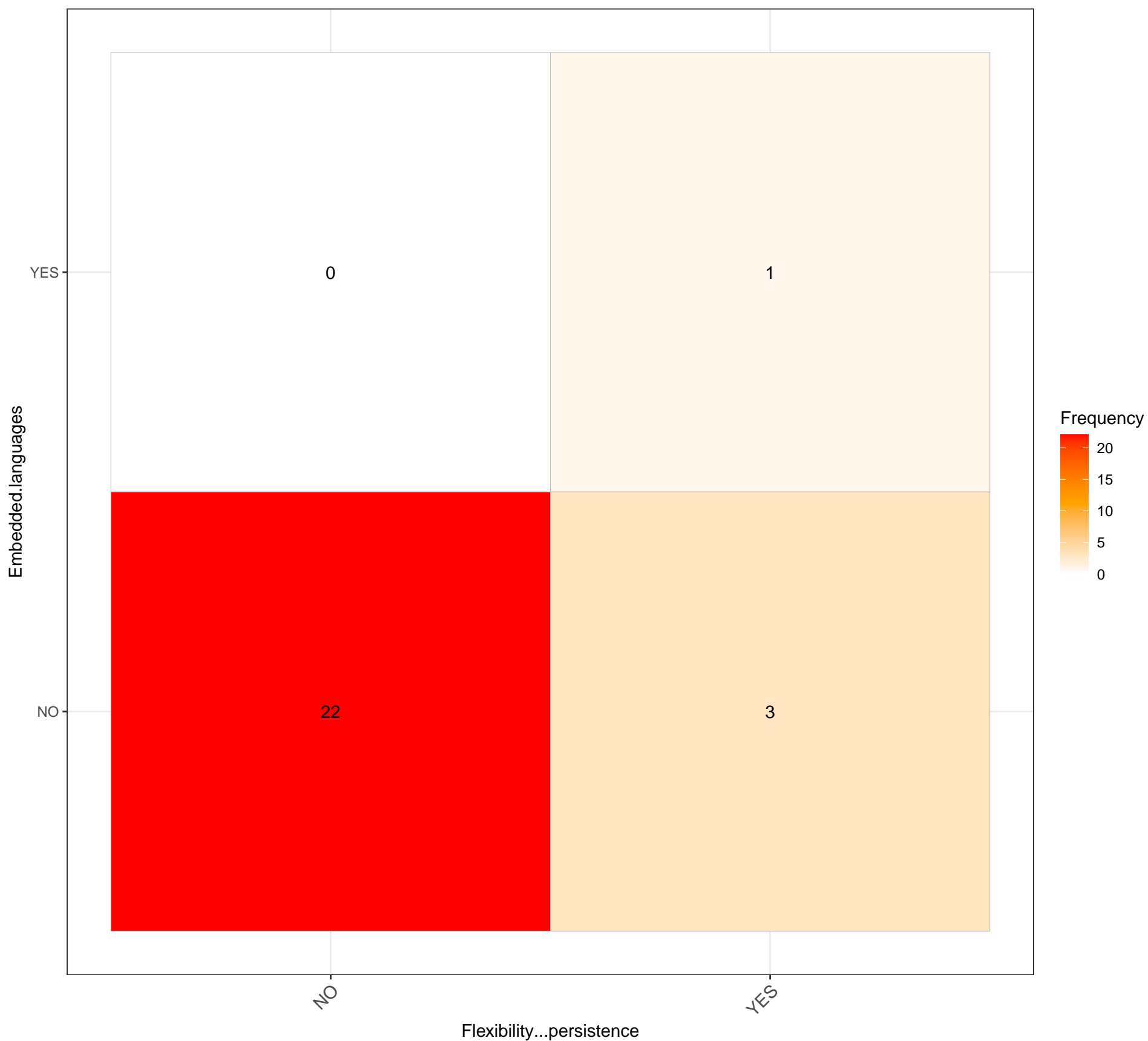
Embedded.languages____Flexibility...models (Chi sq w/ Yates p= 1, p= 0.7685)



Embedded.languages_____Flexibility...language (Chi sq w/ Yates p= 0.1054, p= 4e-04)



Embedded.languages_____Flexibility...persistence (Chi sq w/ Yates p= 0.3279, p= 0.0168)



Embedded.languages_____Mapping (Chi sq w/ Yates $p=0.3279$, $p=0.0168$)

Embedded.languages

YES

0

1

NO

22

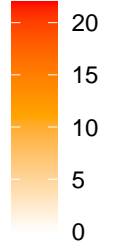
3

PARSER-BASE

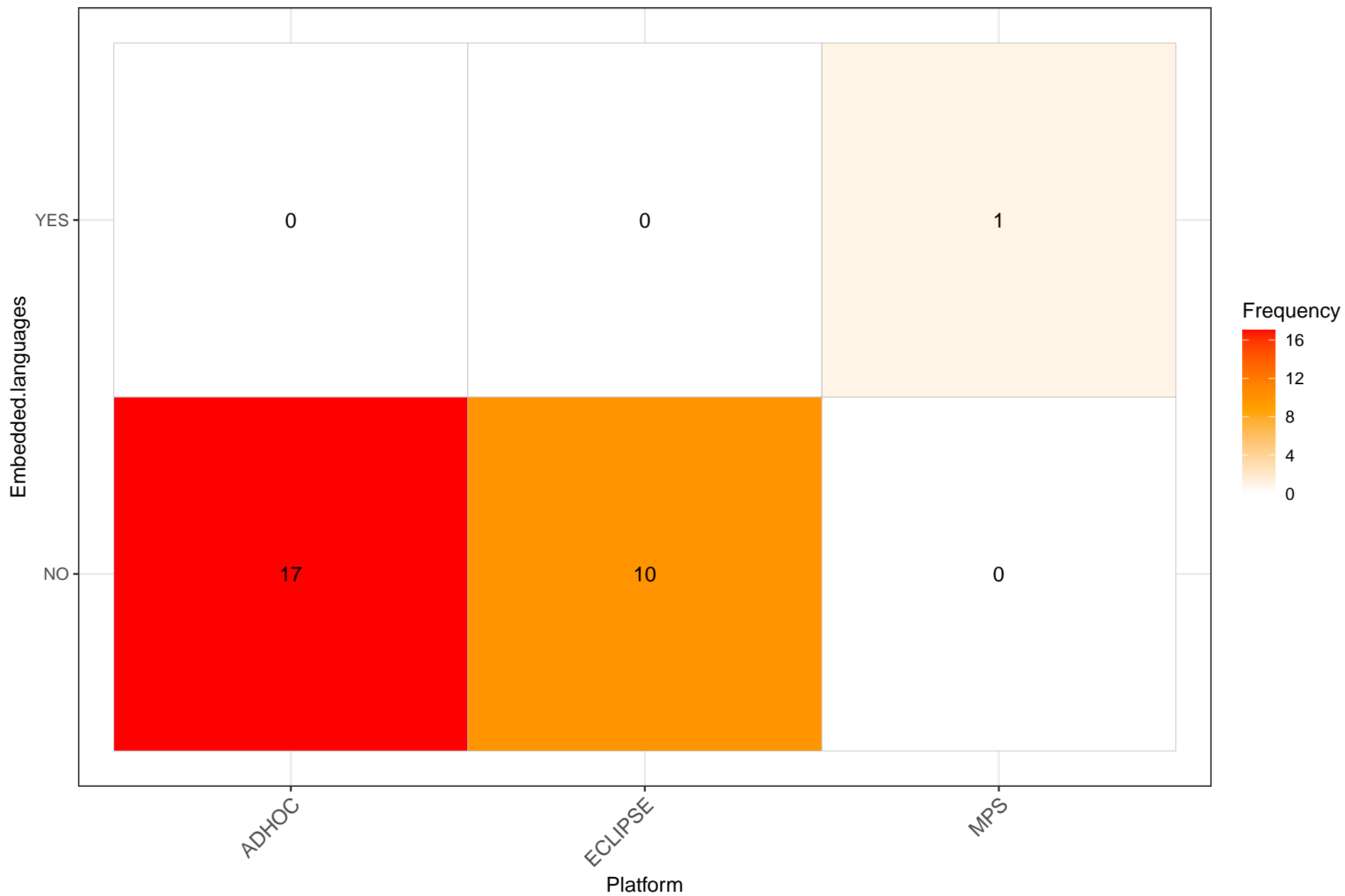
PROJECTIONAL

Mapping

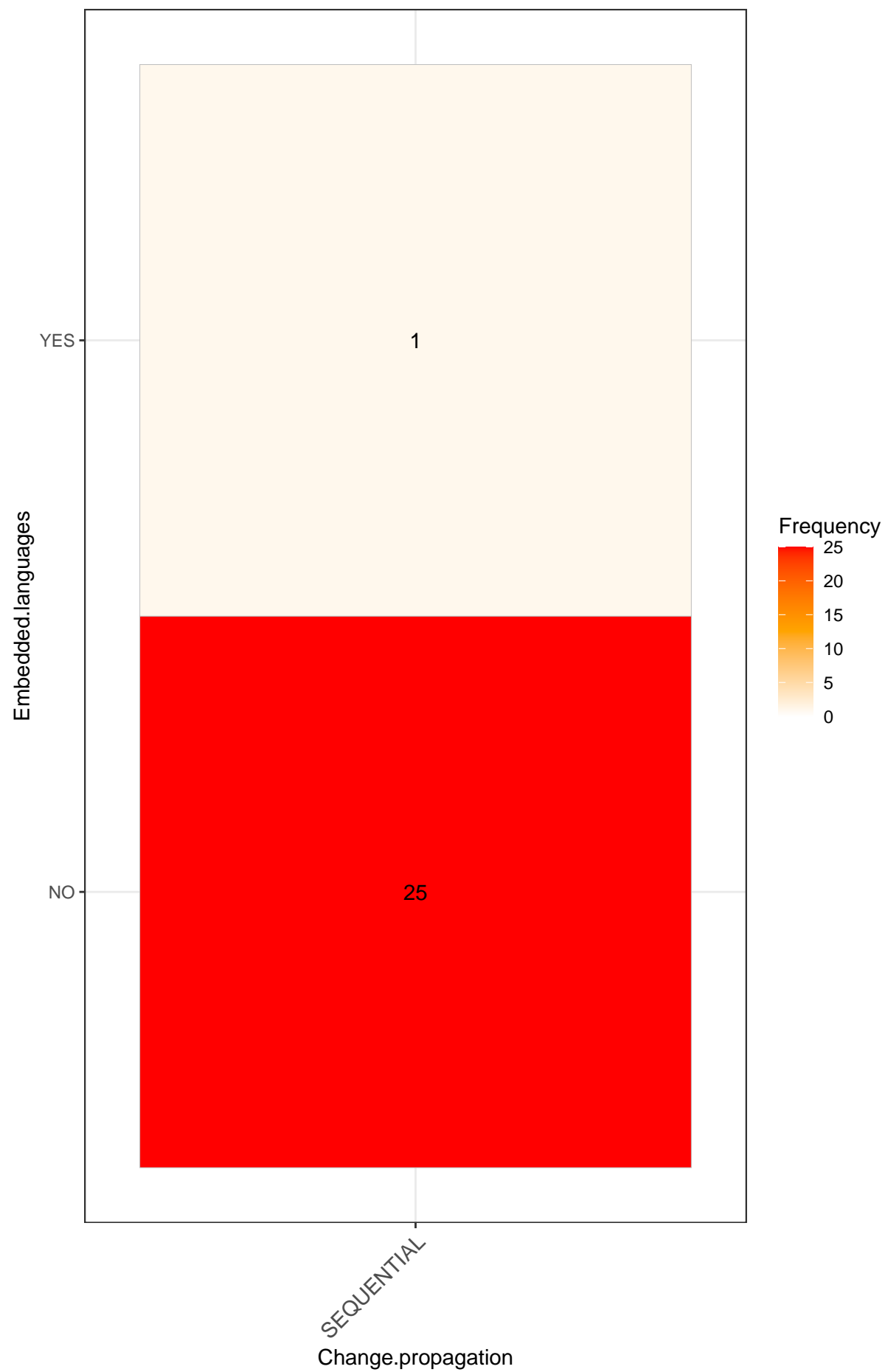
Frequency



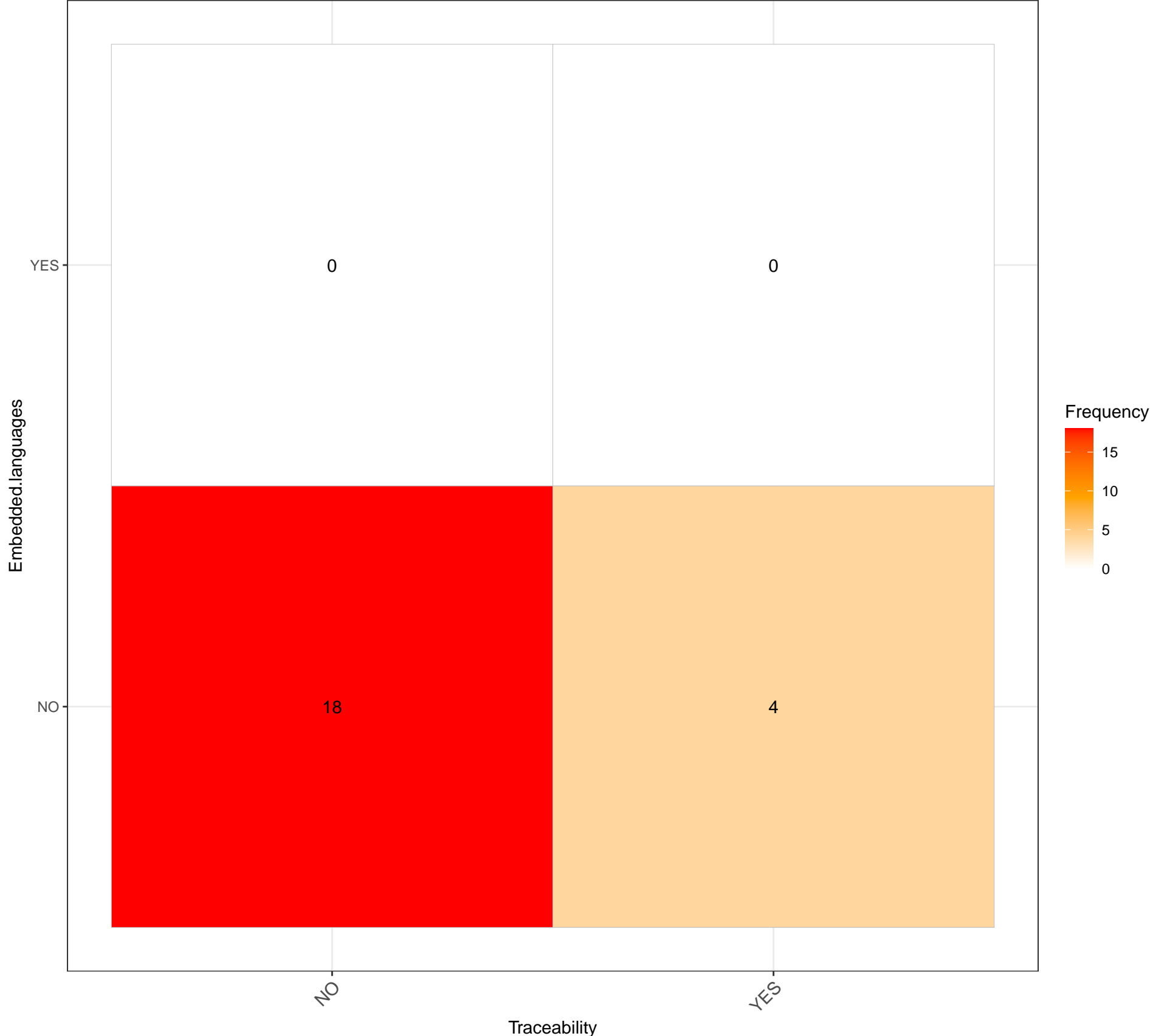
Embedded.languages____Platform (Chi sq w/ Yates p= 0, p= 0)



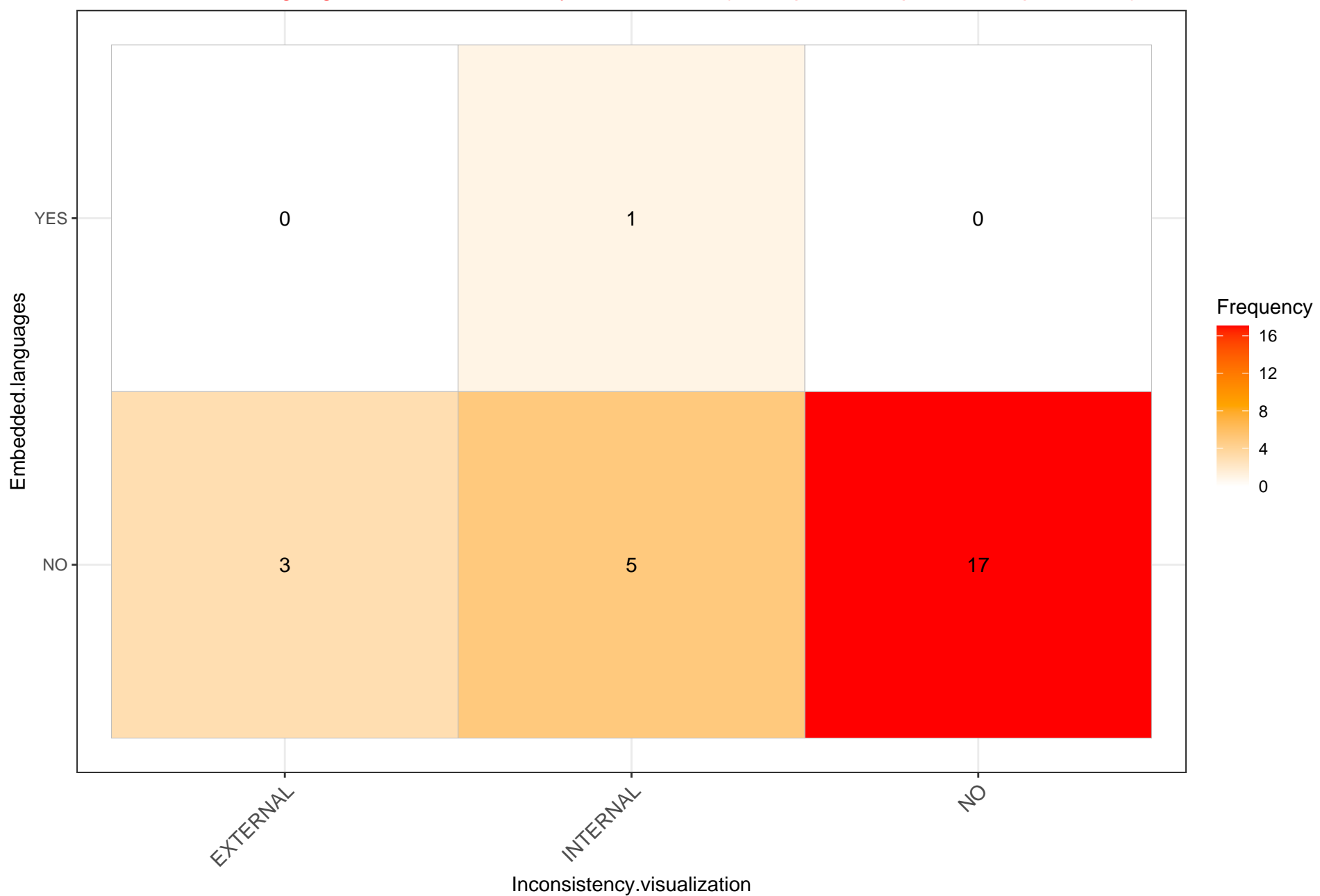
Embedded.languages_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)



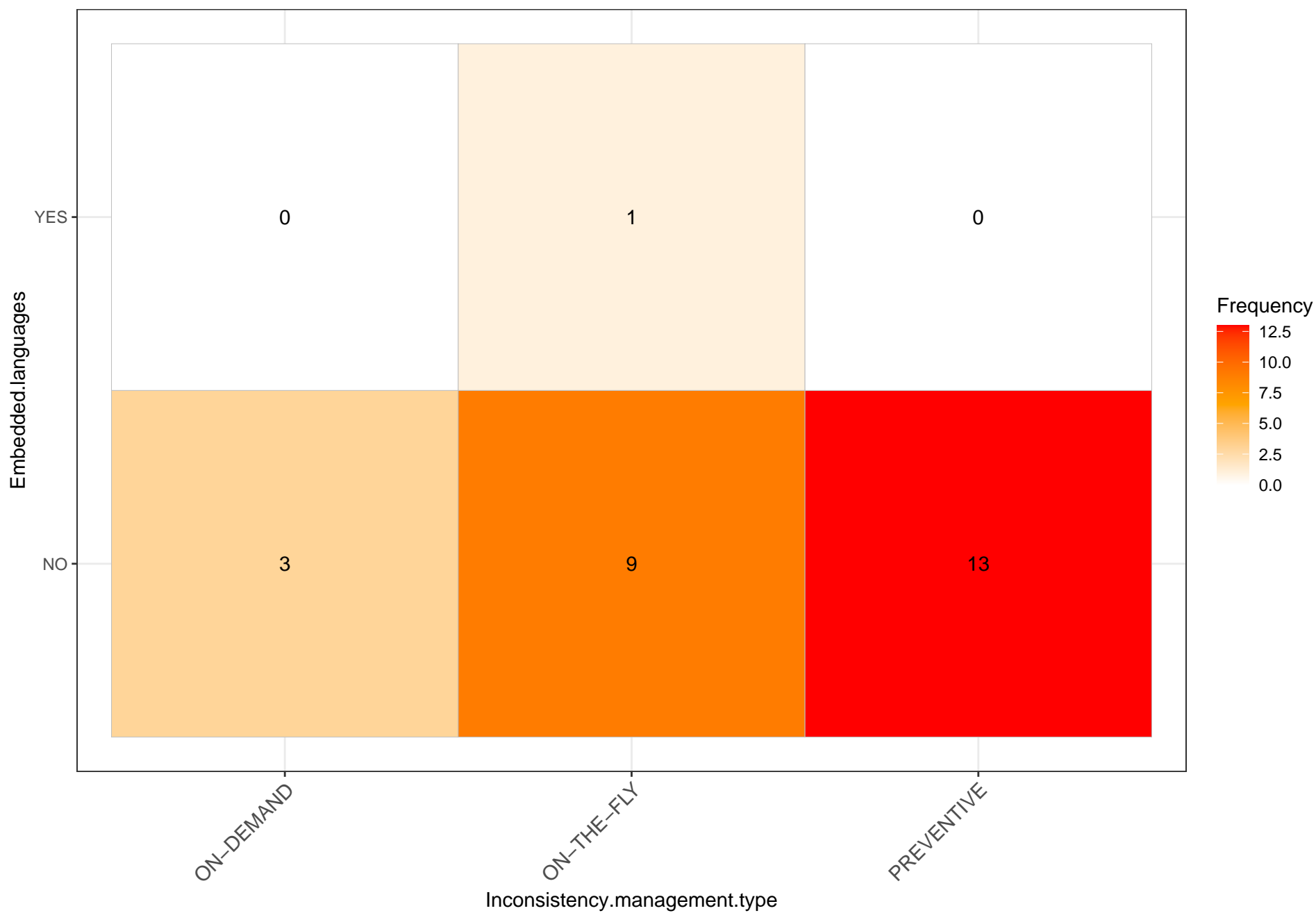
Embedded.languages_____Traceability (Chi sq w/ Yates p= 0.0028, p= 0.0028)



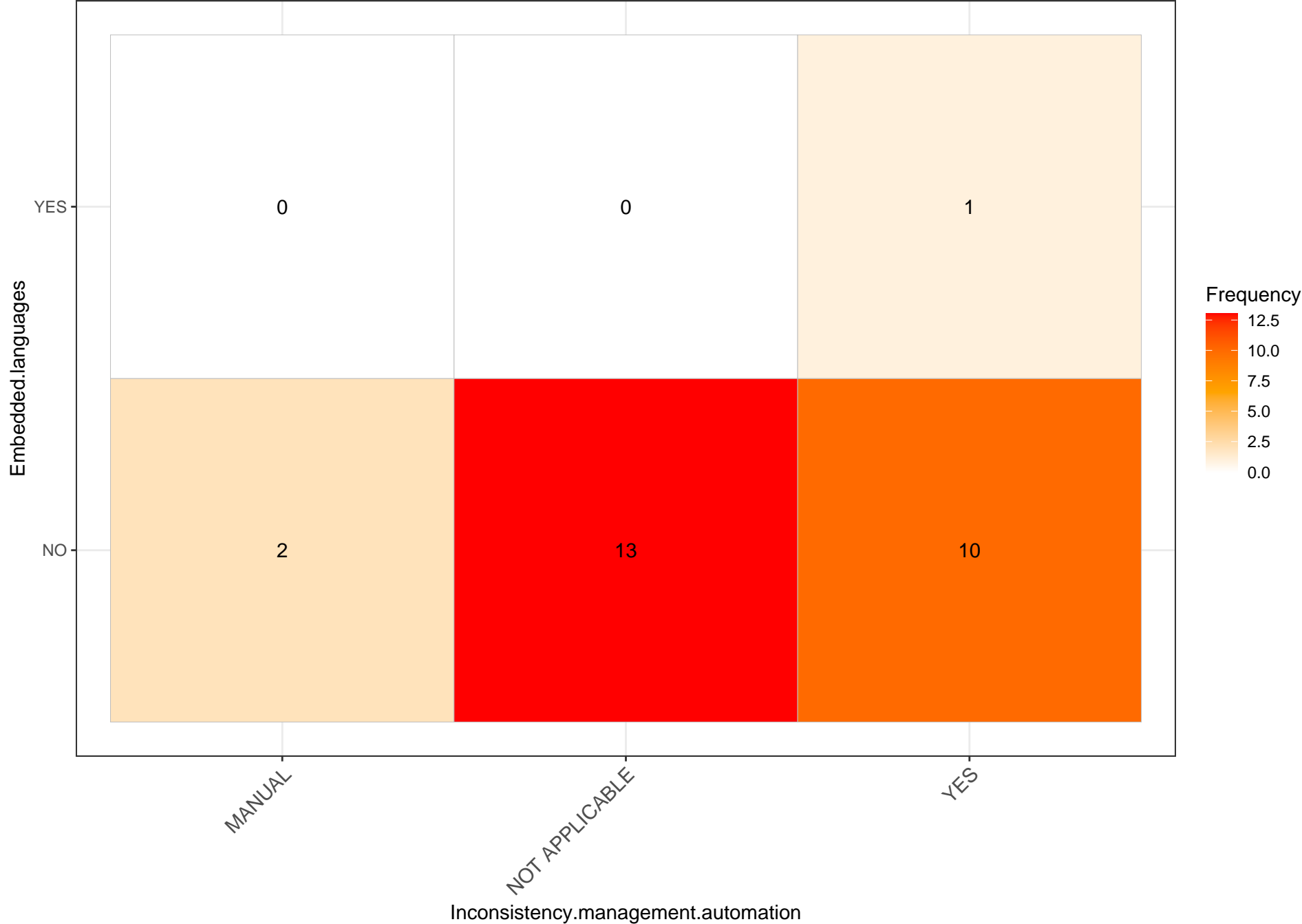
Embedded.languages_____Inconsistency.visualization (Chi sq w/ Yates p= 0.1767, p= 0.1767)



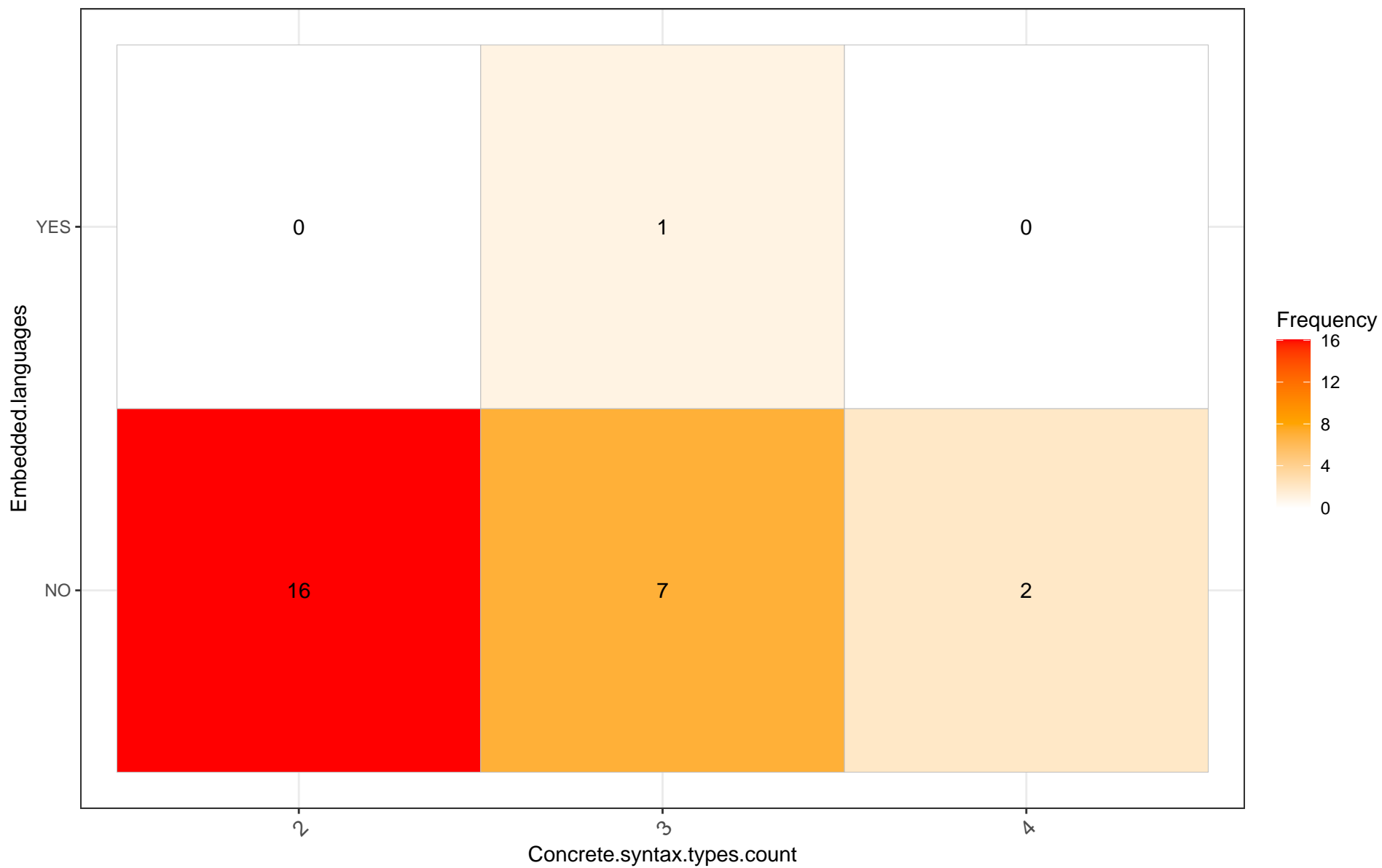
Embedded.languages_____Inconsistency.management.type (Chi sq w/ Yates p= 0.4352, p= 0.4352)



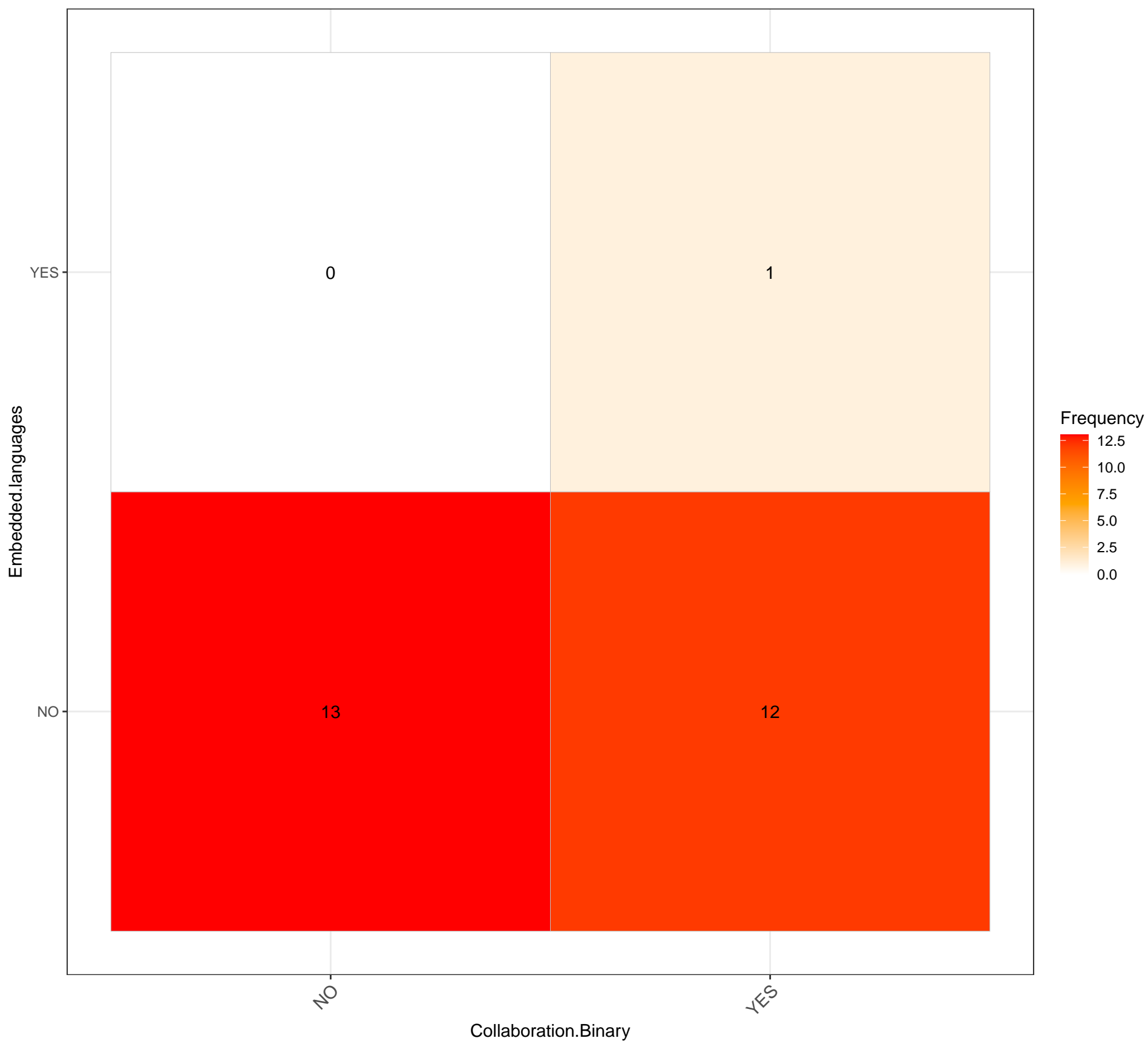
Embedded.languages____Inconsistency.management.automation (Chi sq w/ Yates p= 0.4921, p= 0.4921)



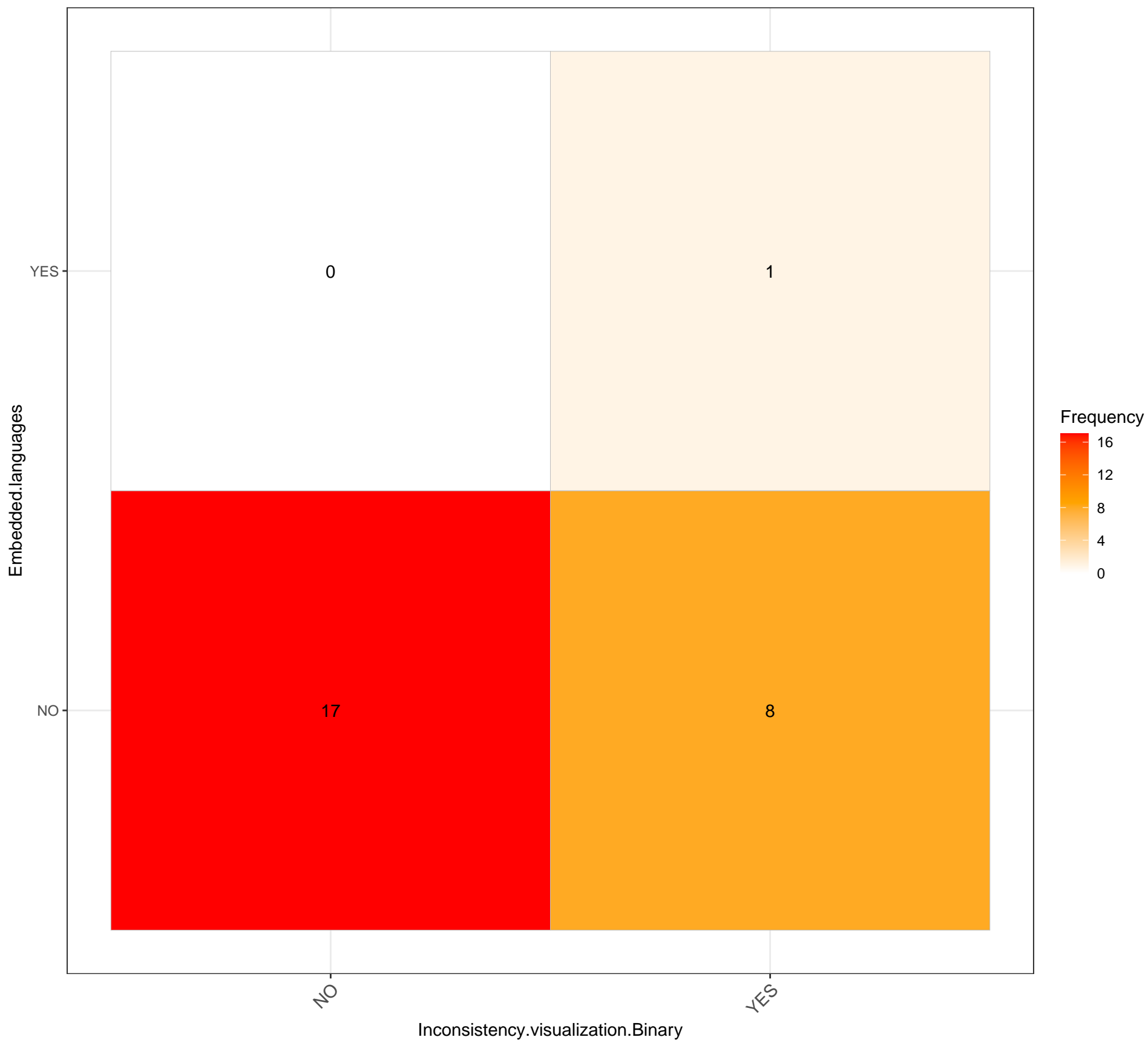
Embedded.languages_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.3104, p= 0.3104)



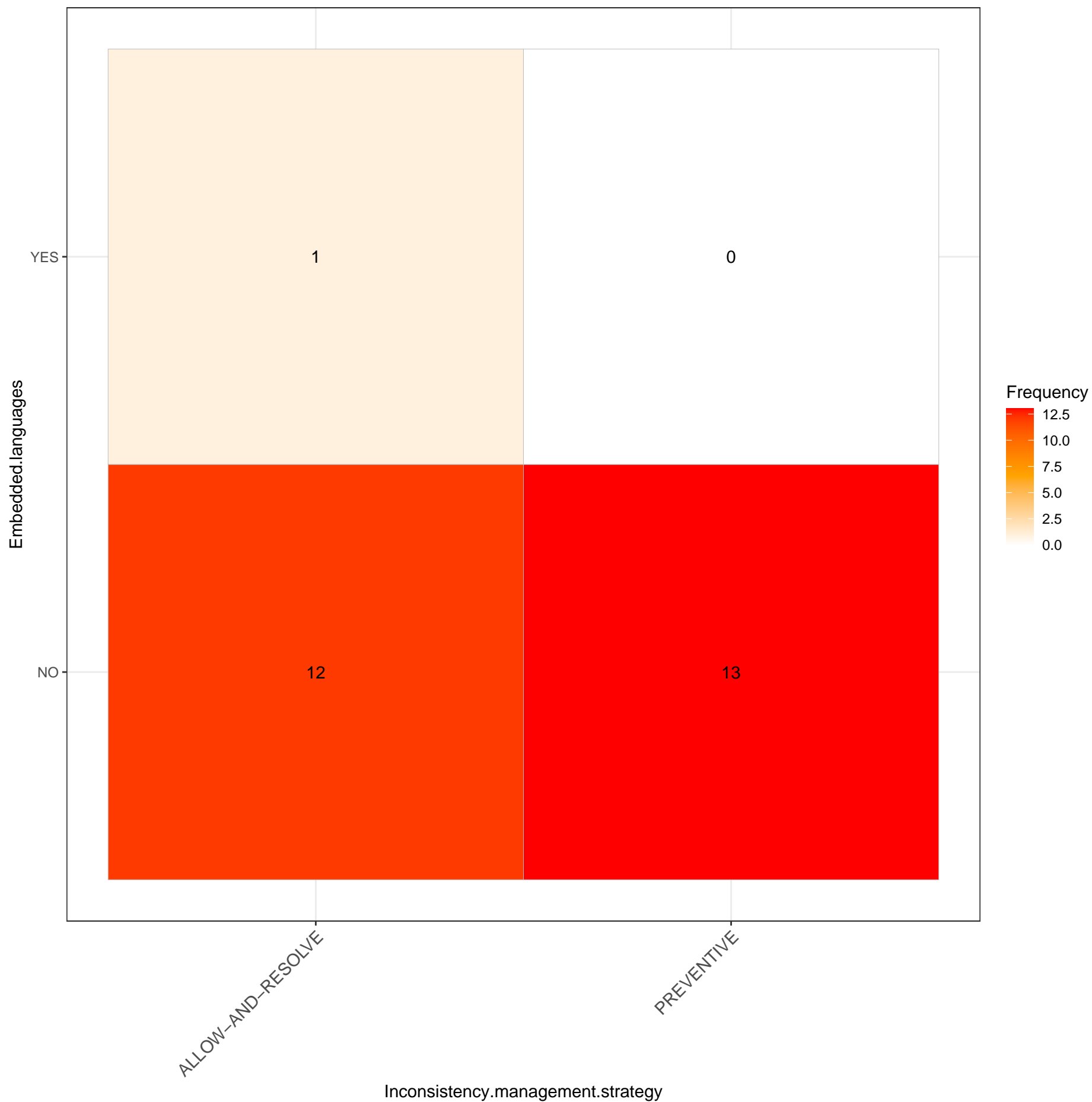
Embedded.languages____Collaboration.Binary (Chi sq w/ Yates p= 1, p= 0.3078)



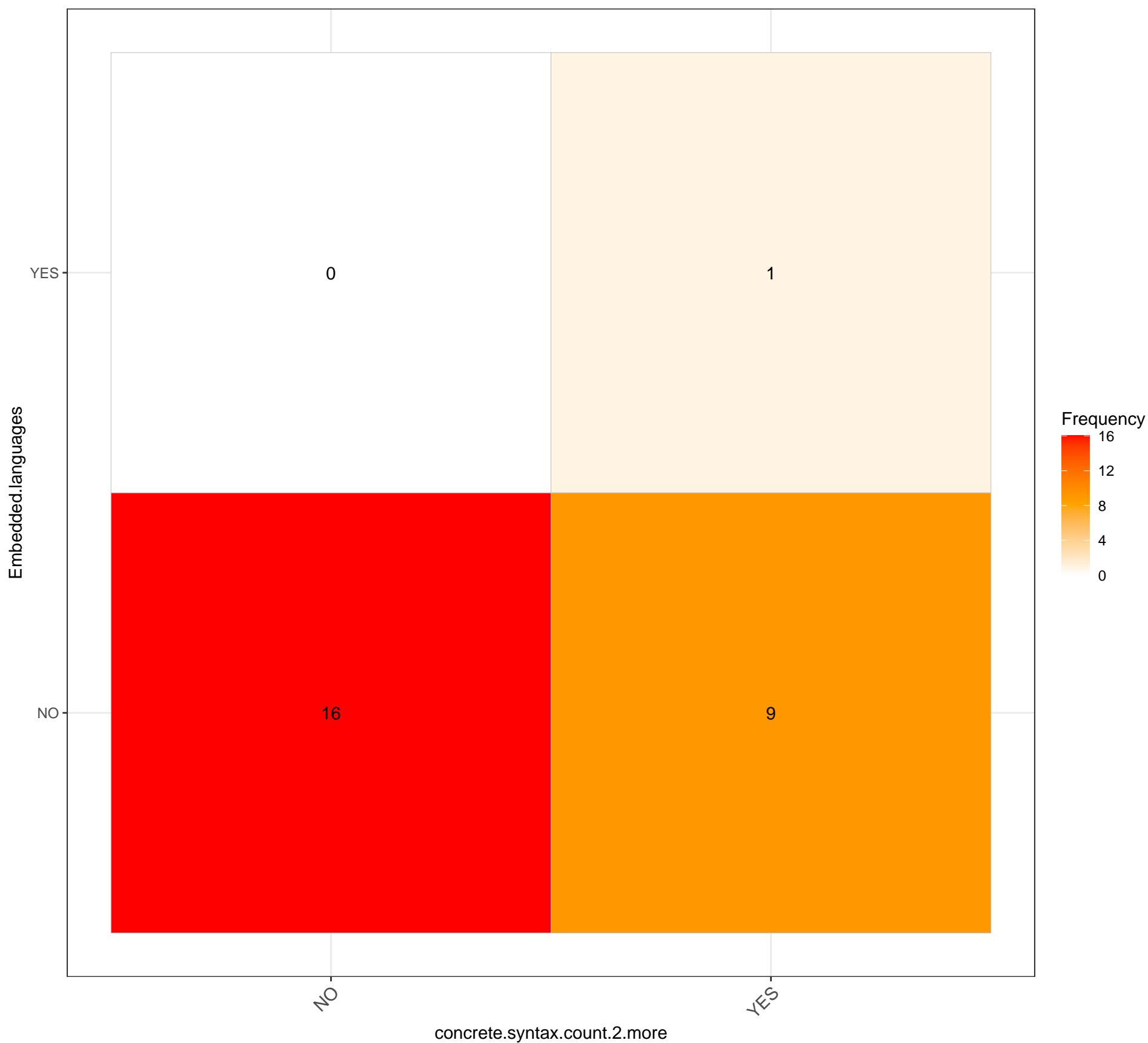
Embedded.languages_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.7416, p= 0.161)



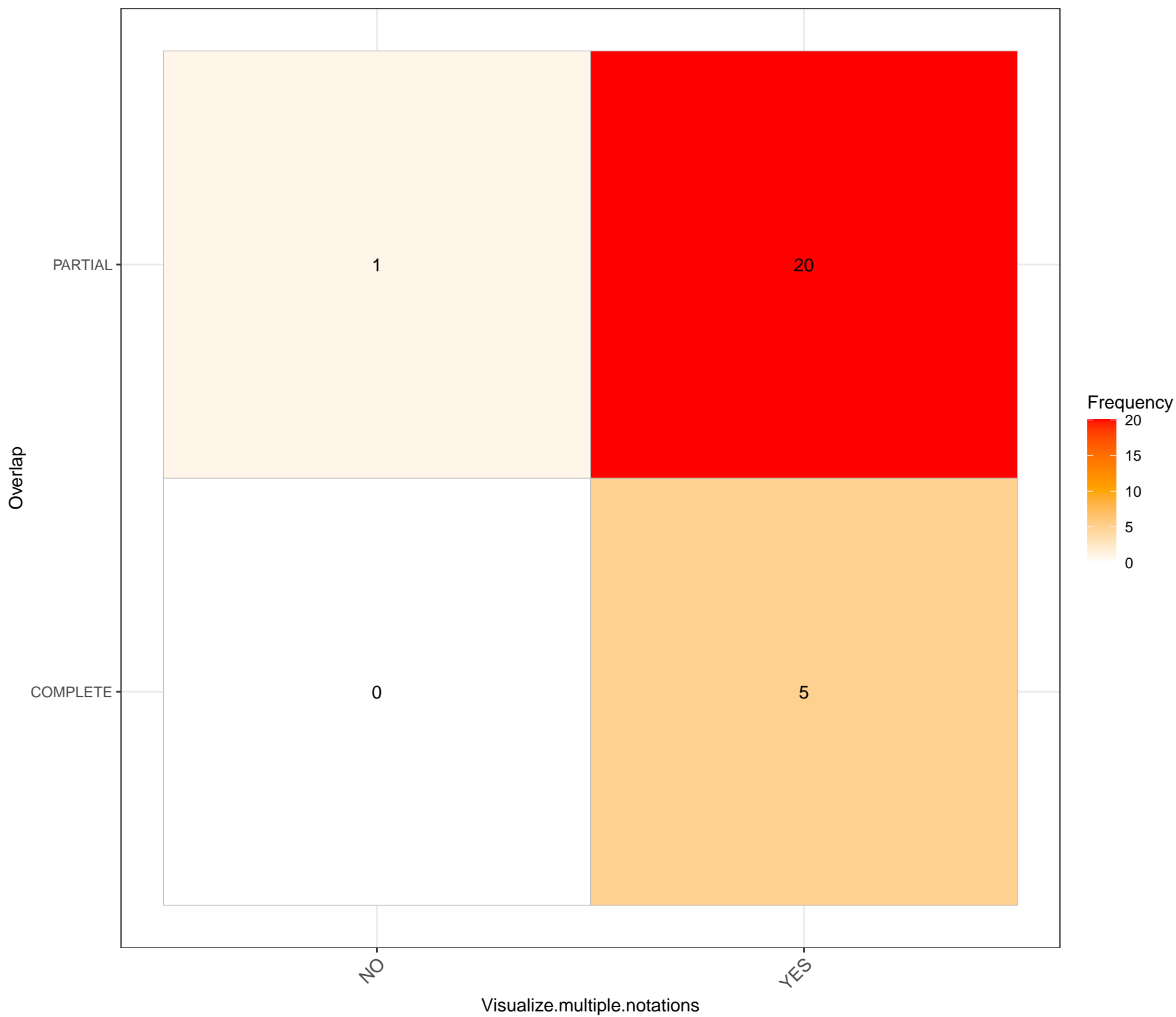
Embedded.languages_____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 0.3078)



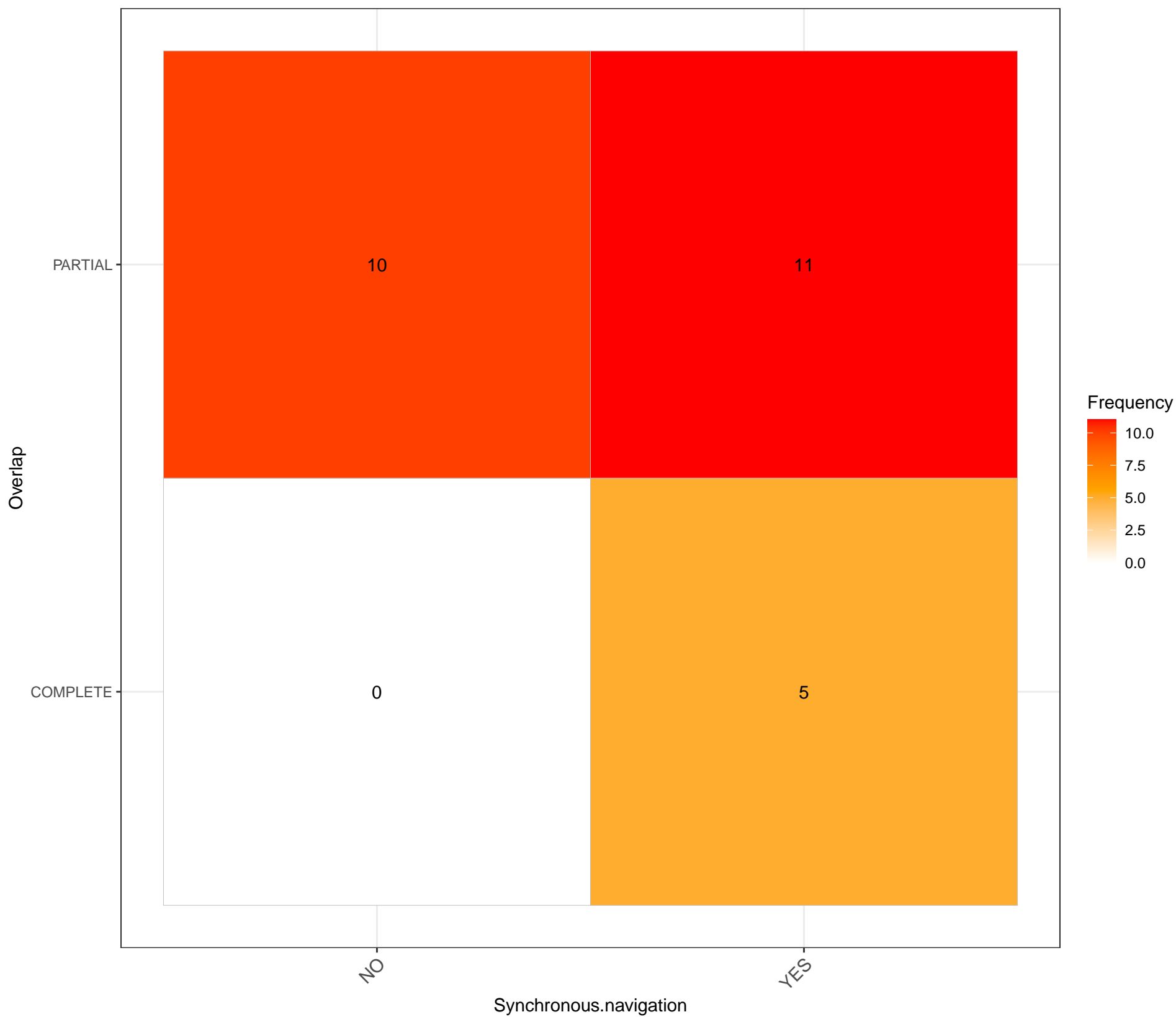
Embedded.languages____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.8089, p= 0.1971)



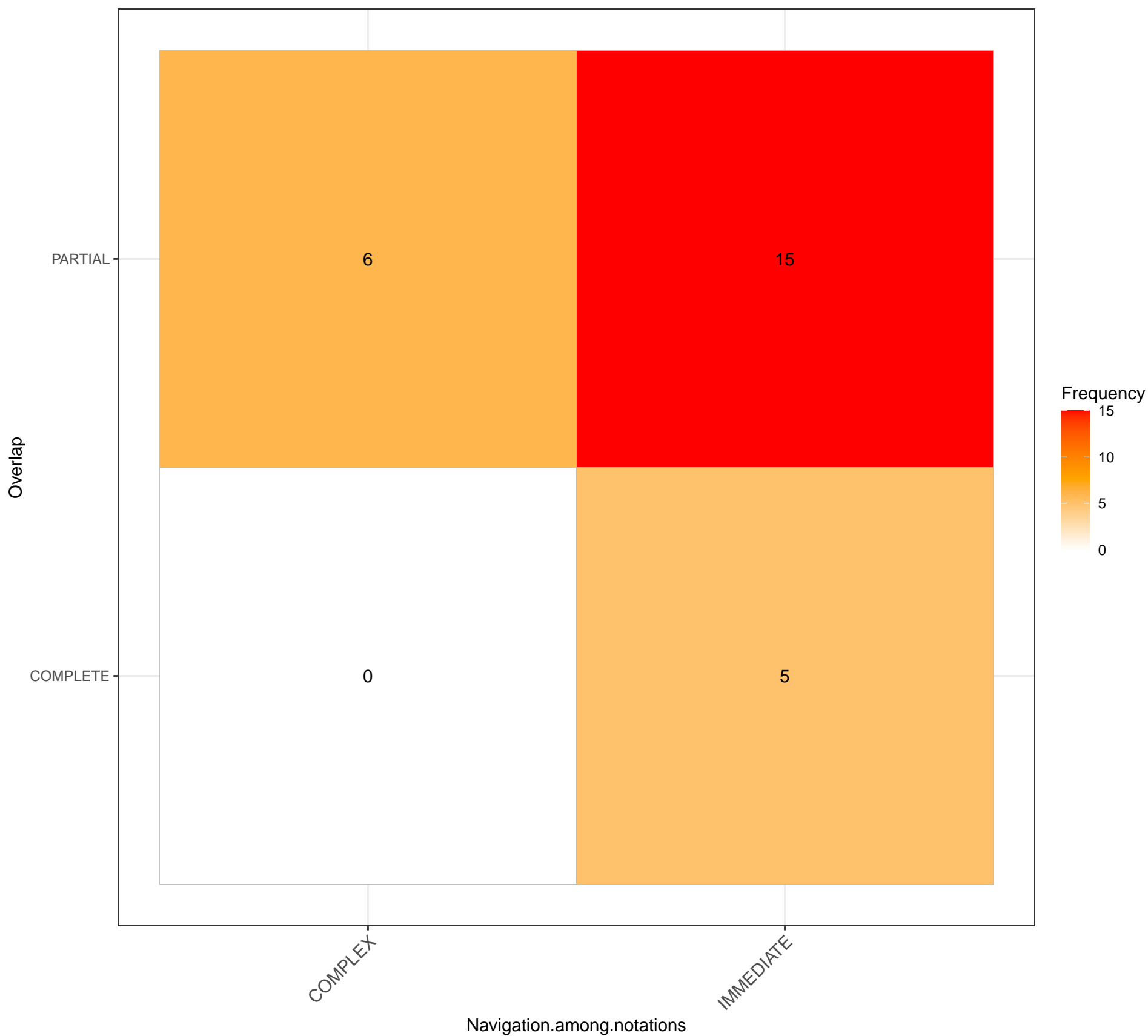
Overlap_____Visualize.multiple.notations (Chi sq w/ Yates p= 1, p= 0.6188)



Overlap_____Synchronous.navigation (Chi sq w/ Yates p= 0.1455, p= 0.0492)



Overlap_____Navigation.among.notations (Chi sq w/ Yates p= 0.44, p= 0.173)



Overlap_____Flexibility...models (Chi sq w/ Yates p= 0.8294, p= 0.2505)

Overlap

PARTIAL

20

1

COMPLETE

4

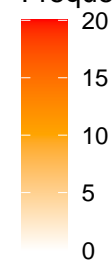
1

NO

YES

Flexibility...models

Frequency



Overlap_____Flexibility...language (Chi sq w/ Yates p= 0.8294, p= 0.2505)

Overlap

PARTIAL

20

1

COMPLETE

4

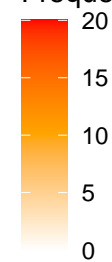
1

NO

YES

Flexibility...language

Frequency



Overlap_____Flexibility...persistence (Chi sq w/ Yates p= 1, p= 0.7503)

Overlap

PARTIAL

18

3

COMPLETE

4

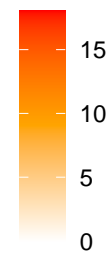
1

NO

YES

Flexibility...persistence

Frequency



Overlap_____Mapping (Chi sq w/ Yates p= 1, p= 0.7503)

Overlap

PARTIAL

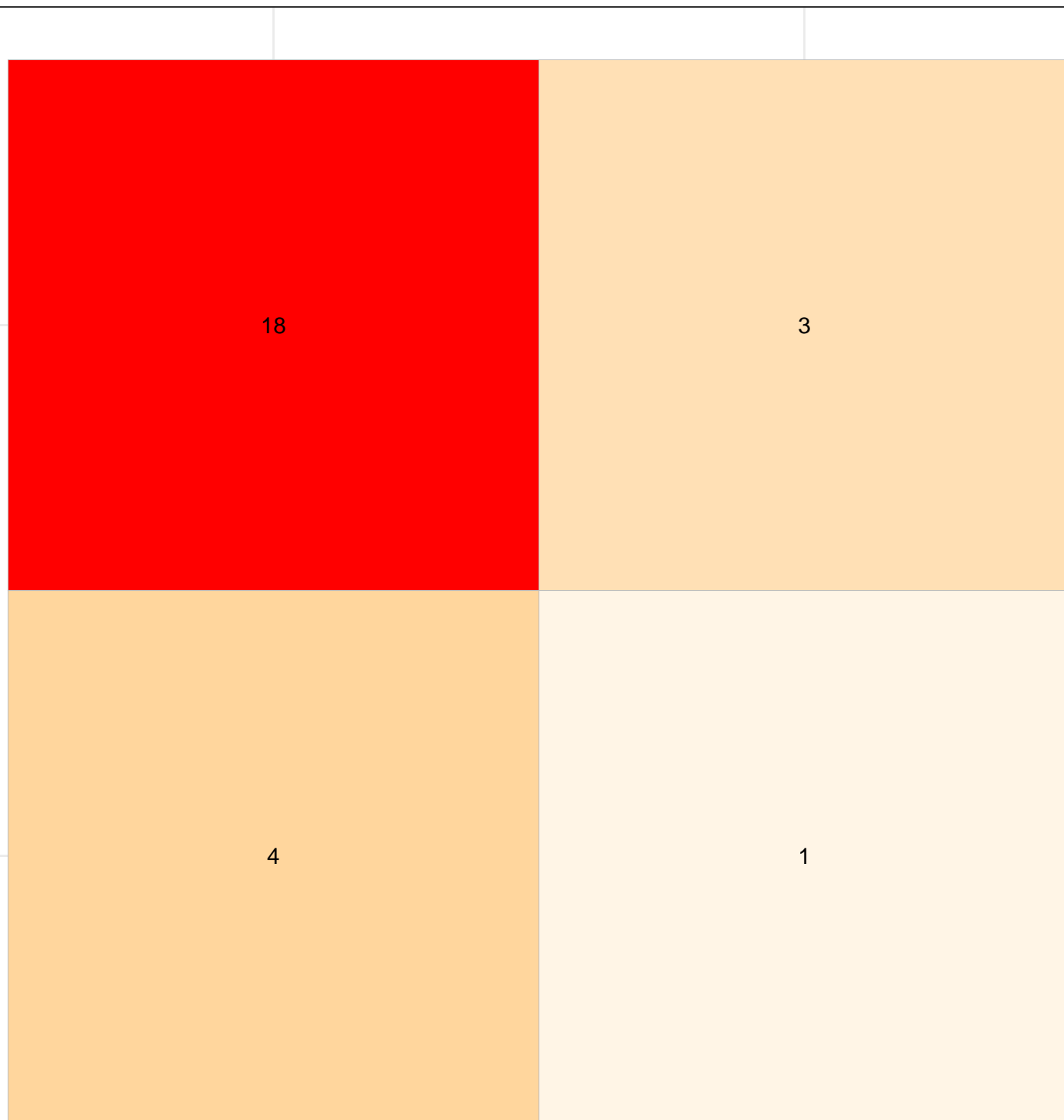
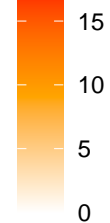
COMPLETE

PARSER-BASE

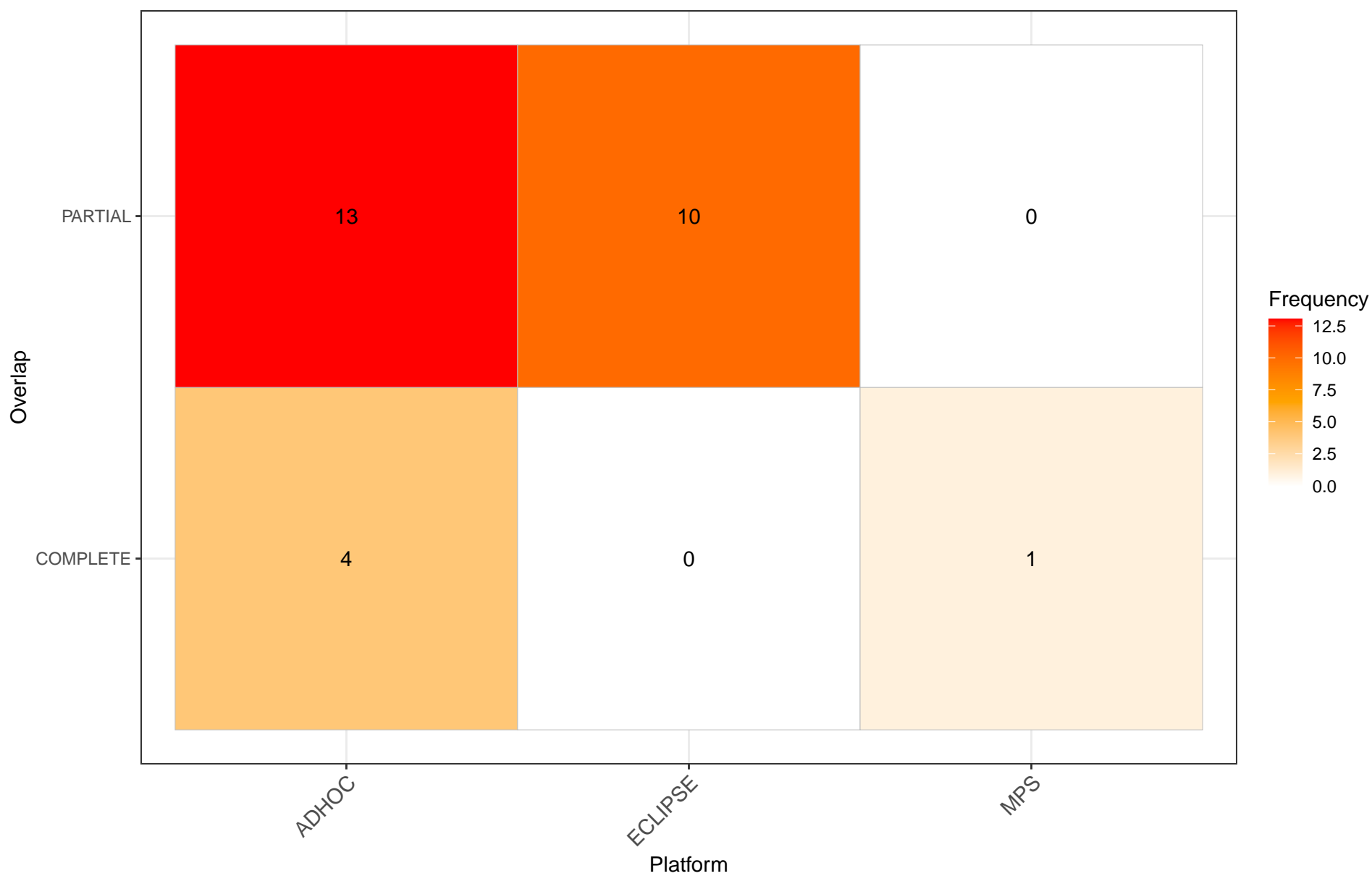
PROJECTIONAL

Mapping

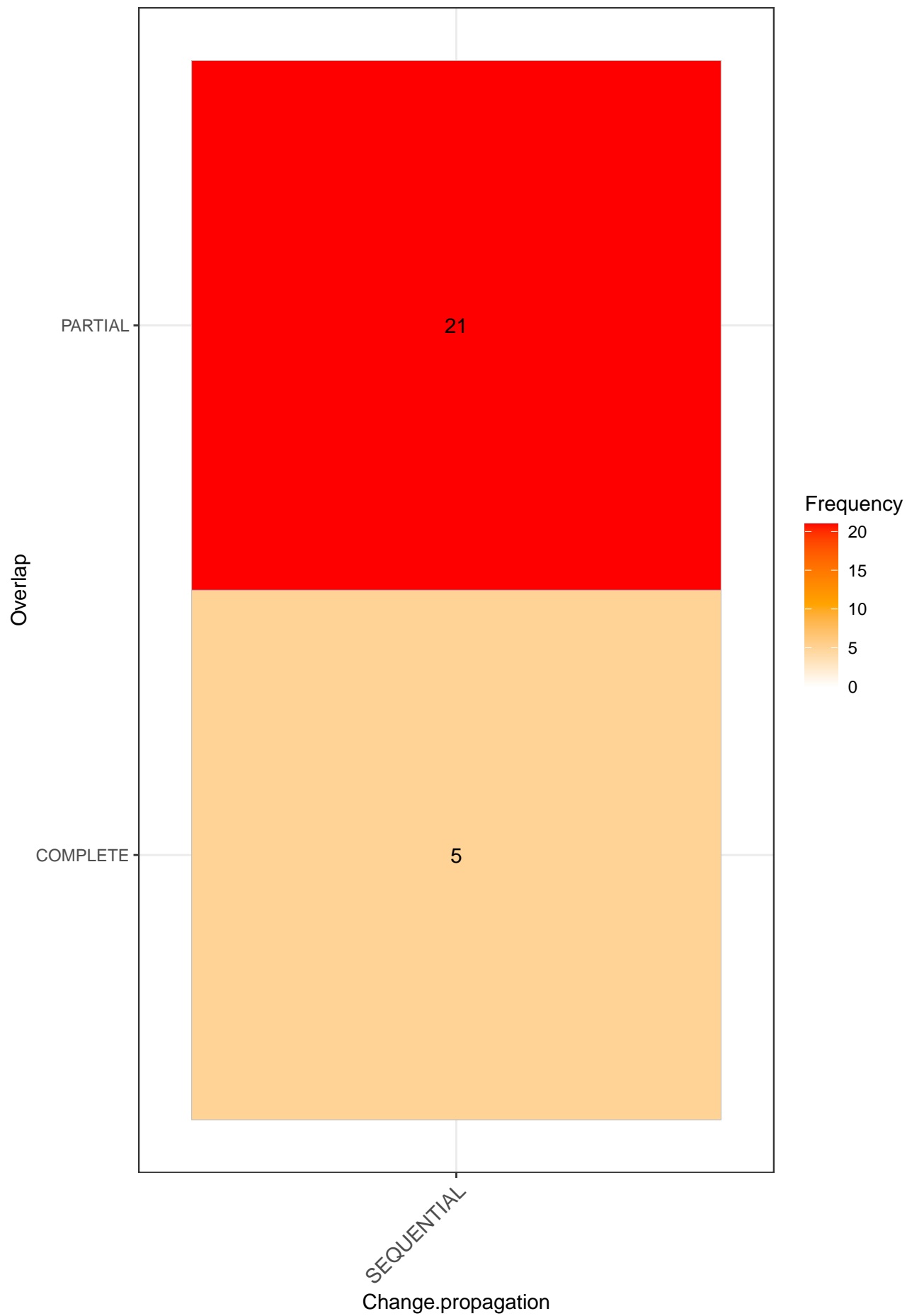
Frequency



Overlap_____Platform (Chi sq w/ Yates p= 0.0281, p= 0.0281)



Overlap_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)



Overlap_____Traceability (Chi sq w/ Yates p= 0.7446, p= 0.2973)

Overlap

PARTIAL

14

4

COMPLETE

4

0

Traceability

NO

YES

Frequency

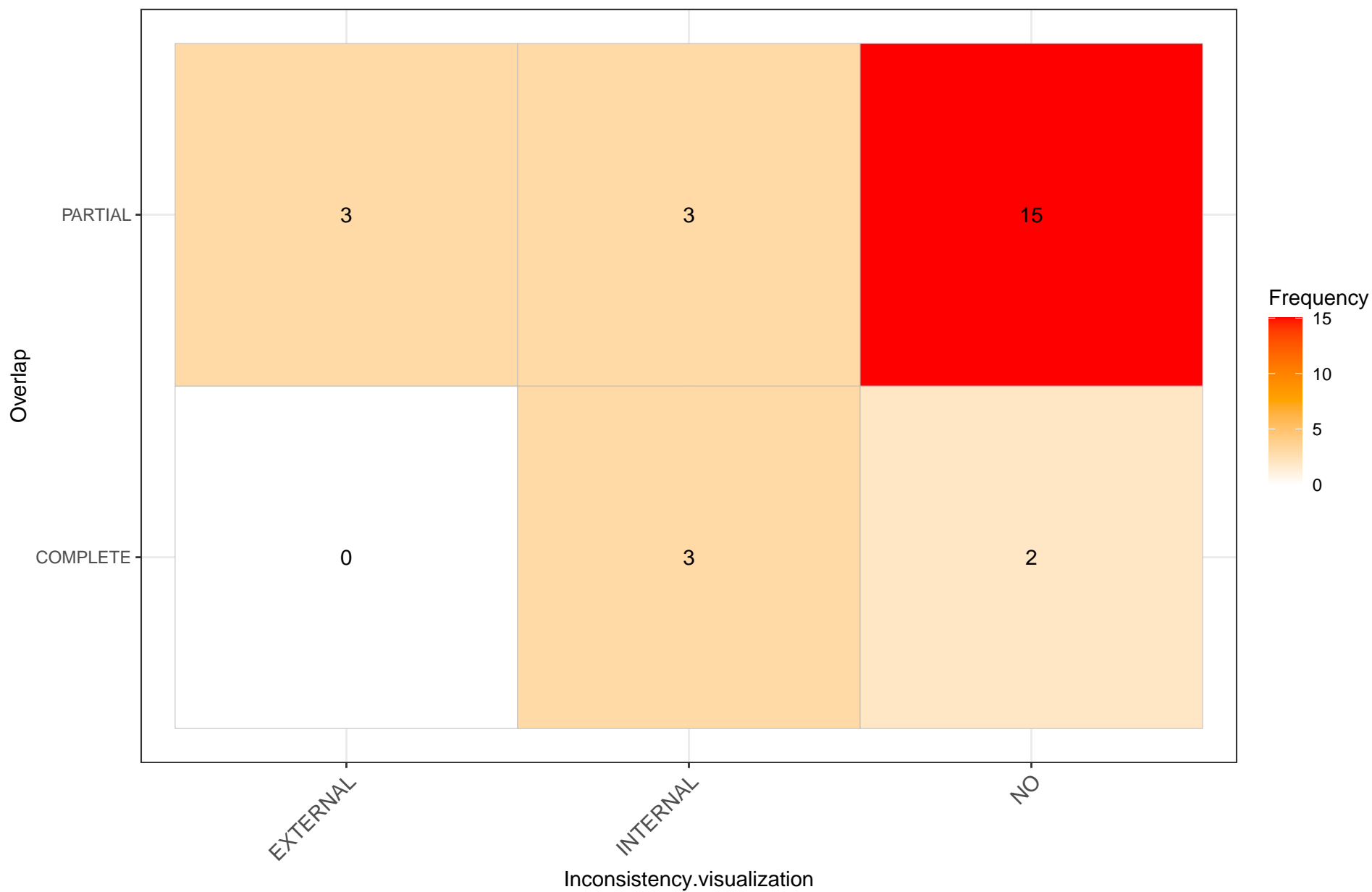


10

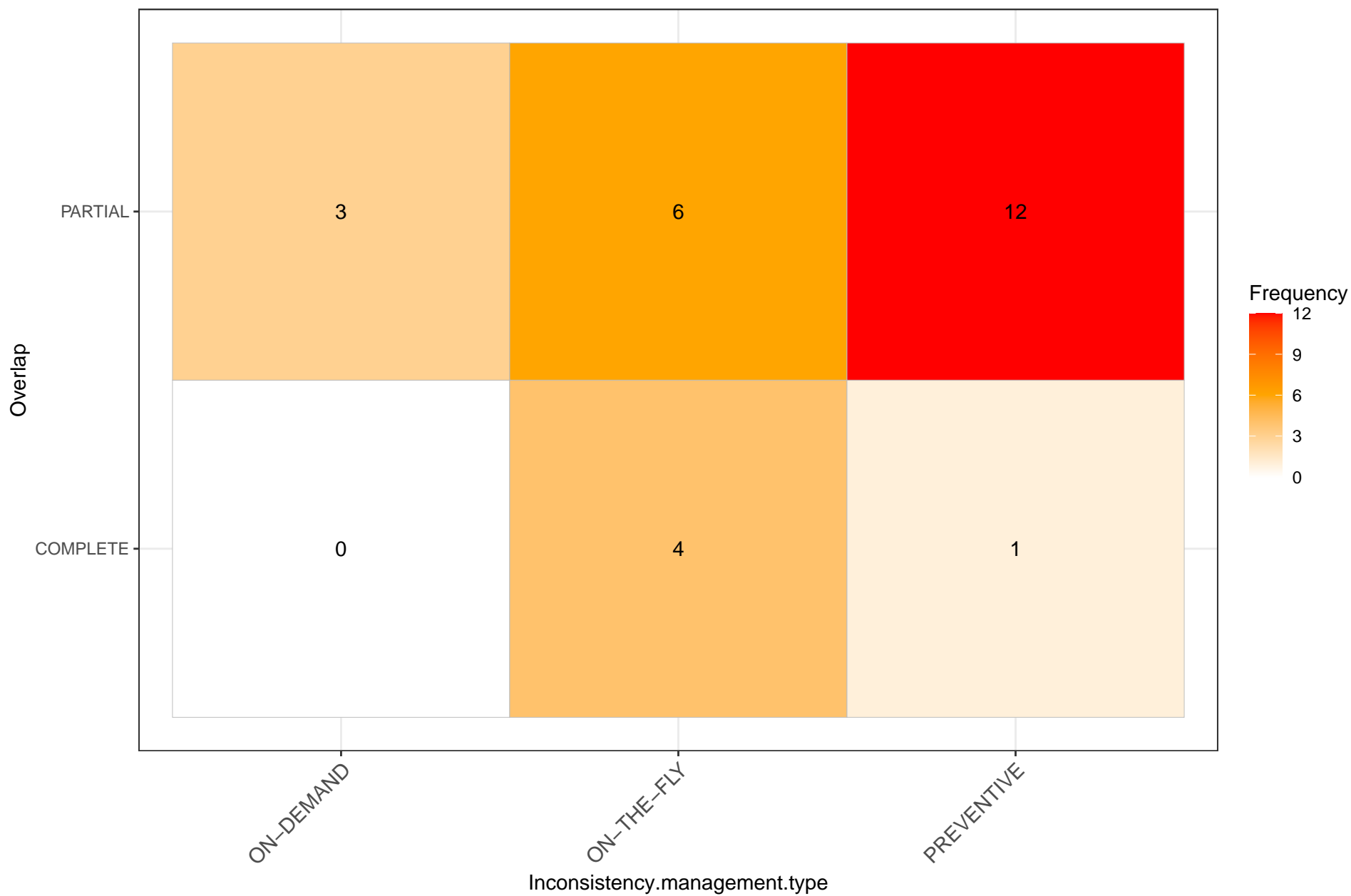
5

0

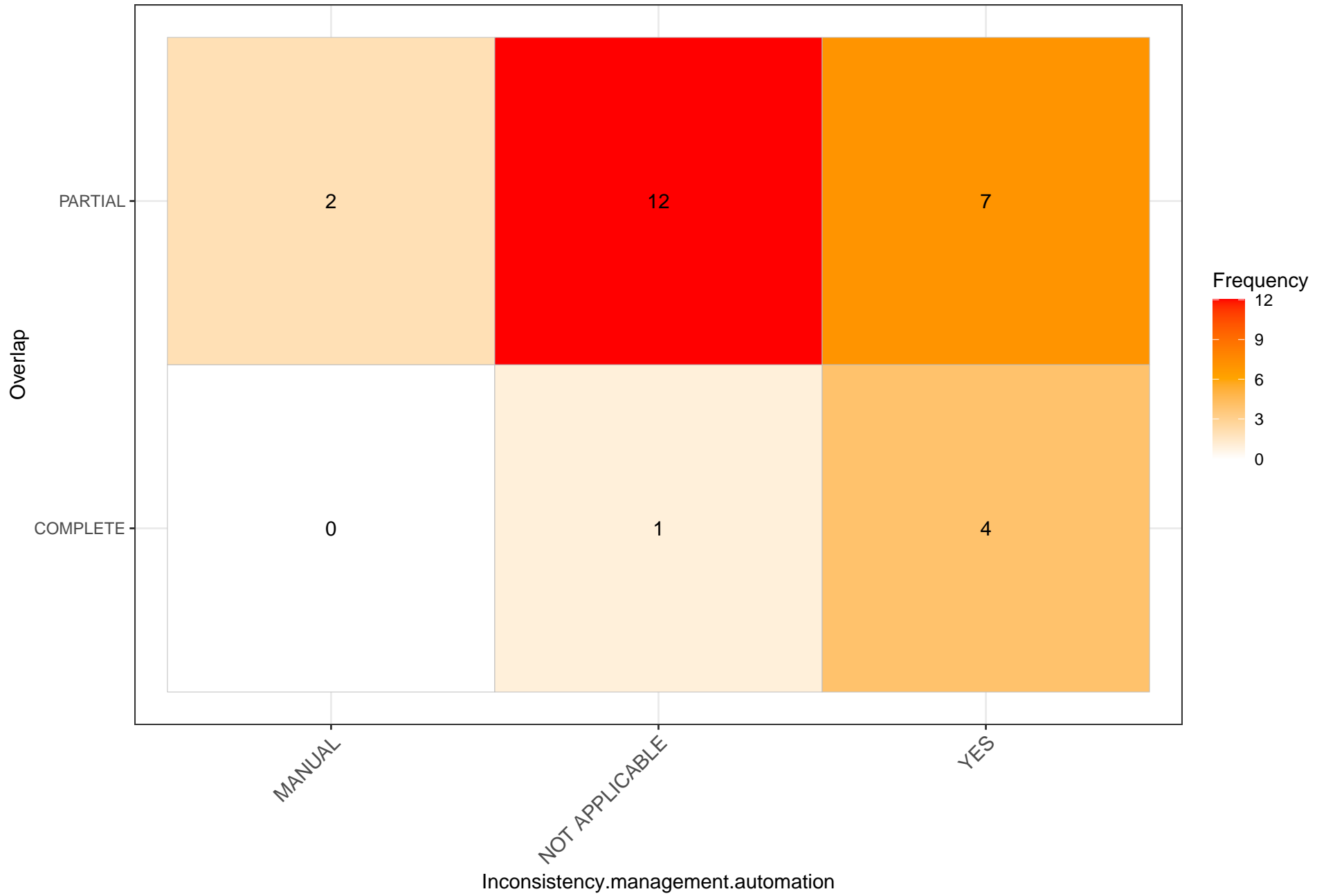
Overlap_____Inconsistency.visualization (Chi sq w/ Yates p= 0.0828, p= 0.0828)



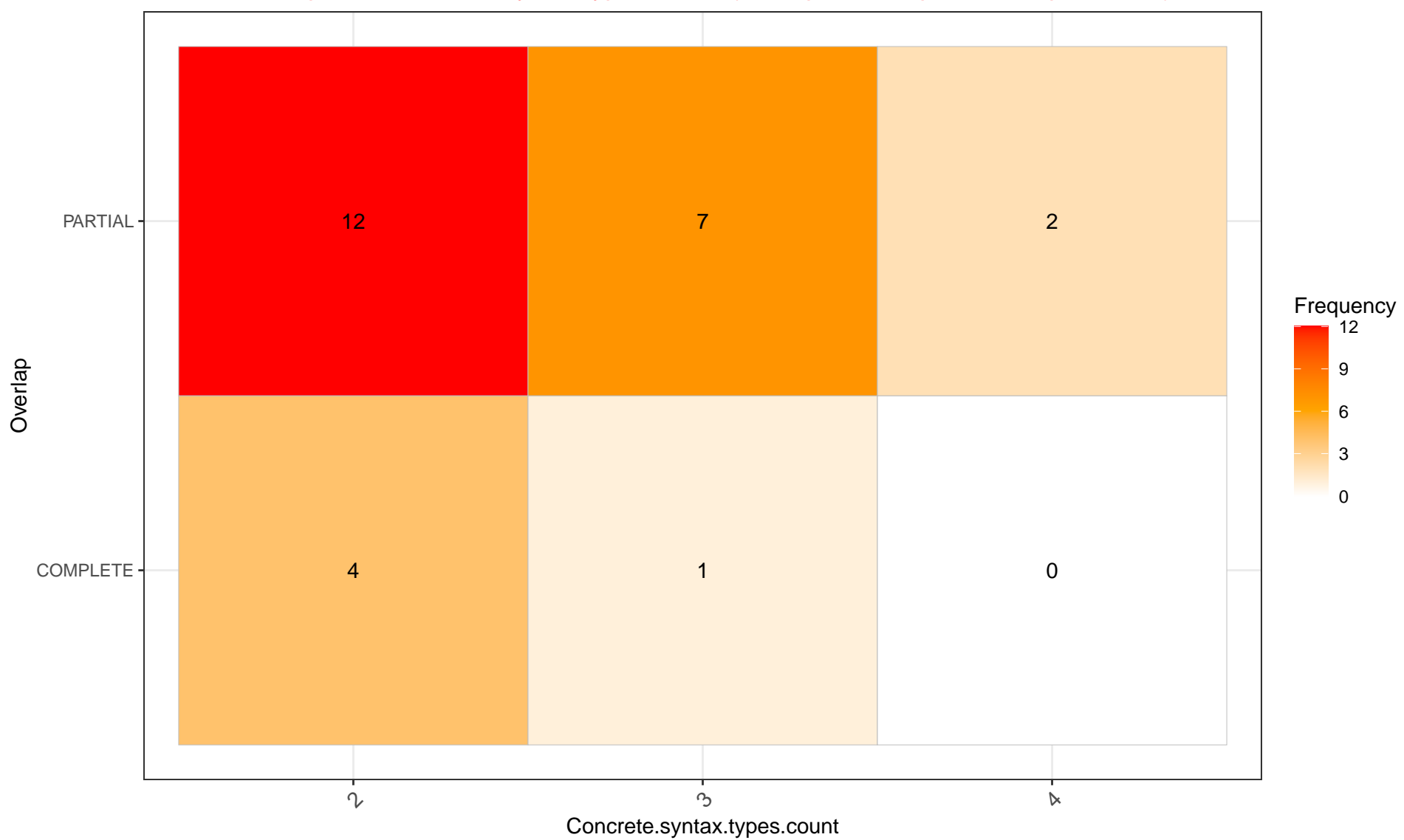
Overlap_____Inconsistency.management.type (Chi sq w/ Yates p= 0.1, p= 0.1)



Overlap_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.1597, p= 0.1597)



Overlap_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.5909, p= 0.5909)



Overlap_____Collaboration.Binary (Chi sq w/ Yates p= 0.3196, p= 0.1355)

Overlap

PARTIAL

9

12

COMPLETE

4

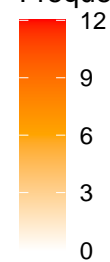
1

NO

YES

Collaboration.Binary

Frequency



Overlap_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.4211, p= 0.1843)

Overlap

PARTIAL

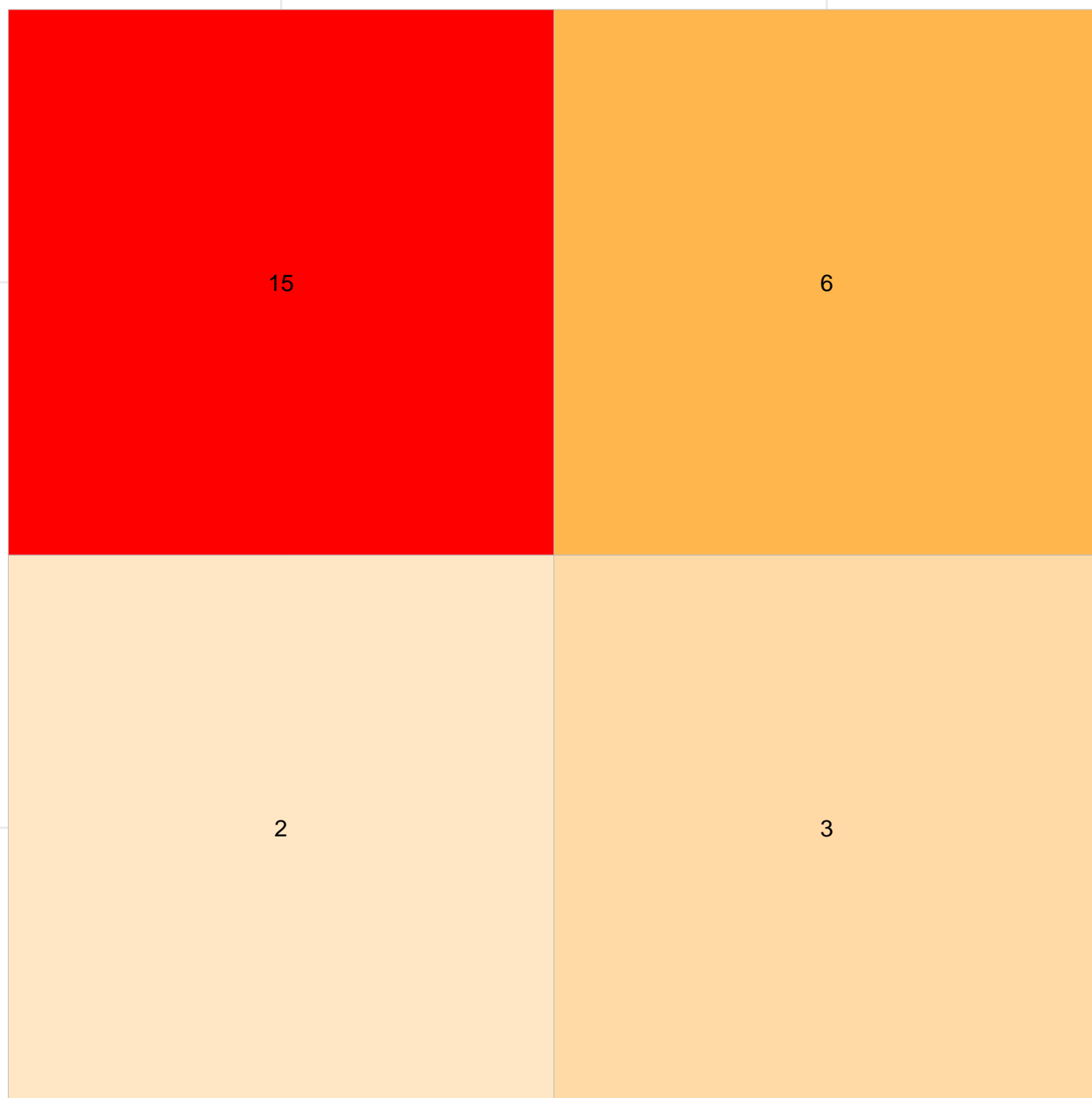
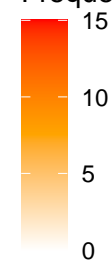
COMPLETE

NO

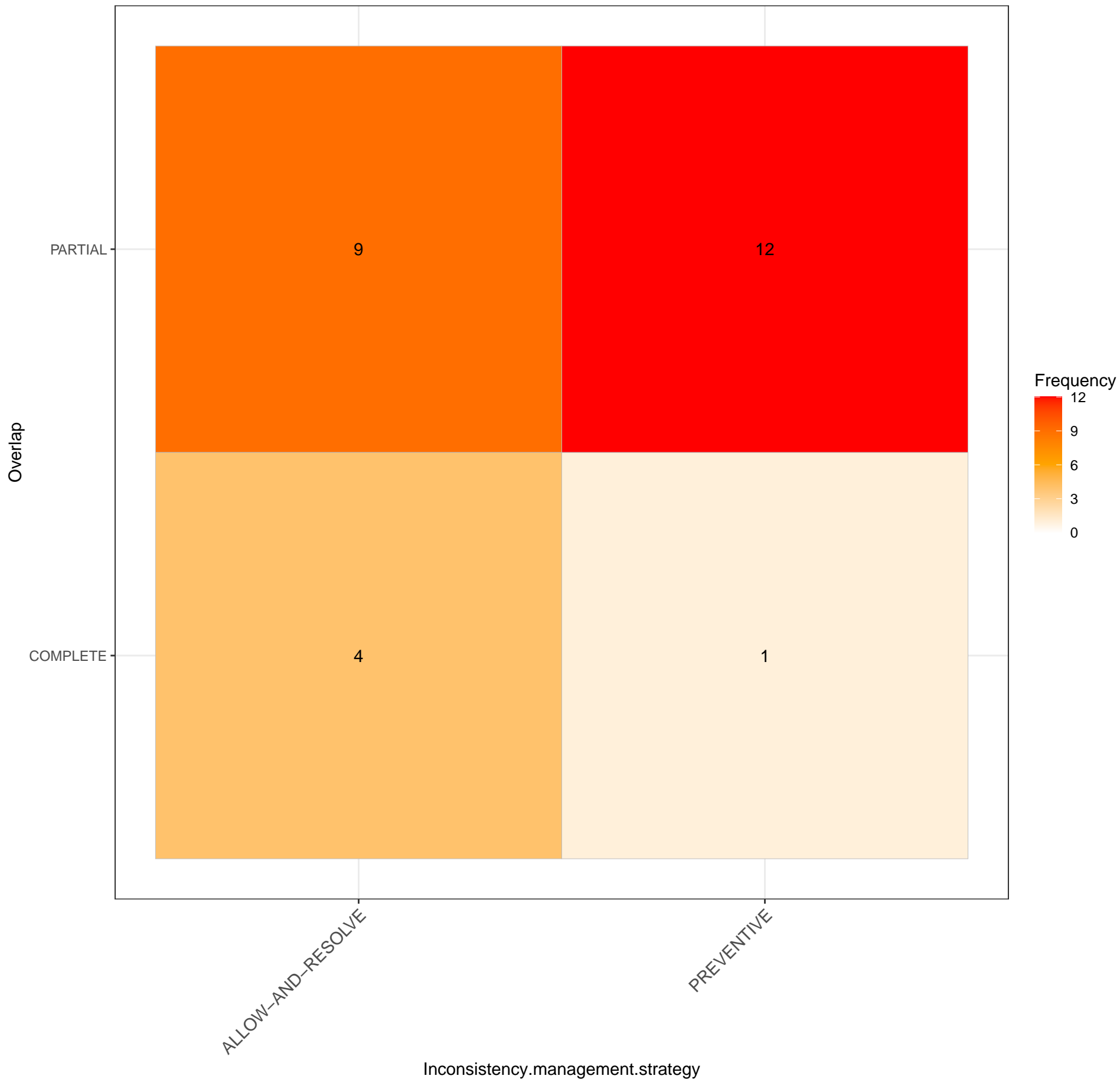
YES

Inconsistency.visualization.Binary

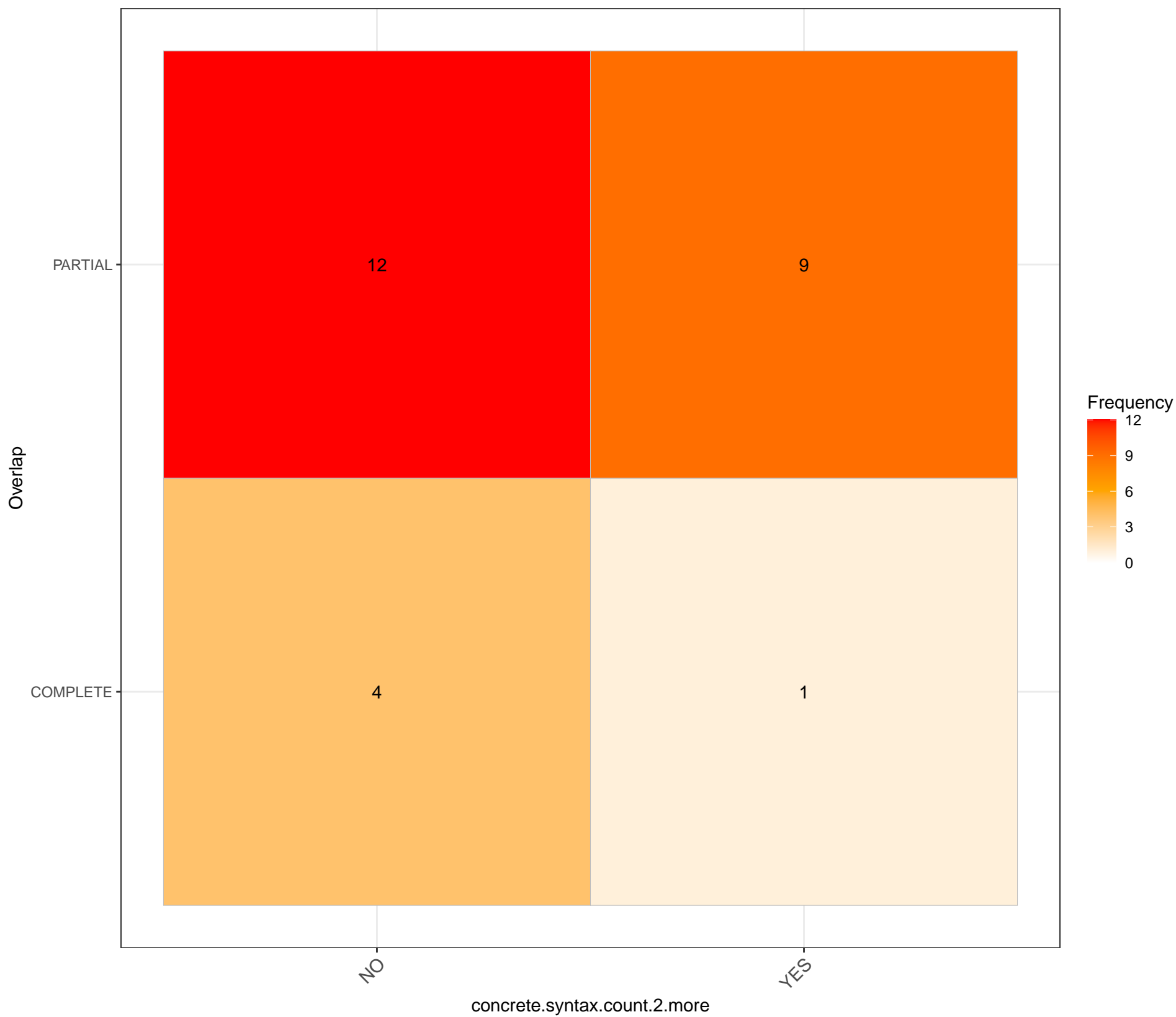
Frequency



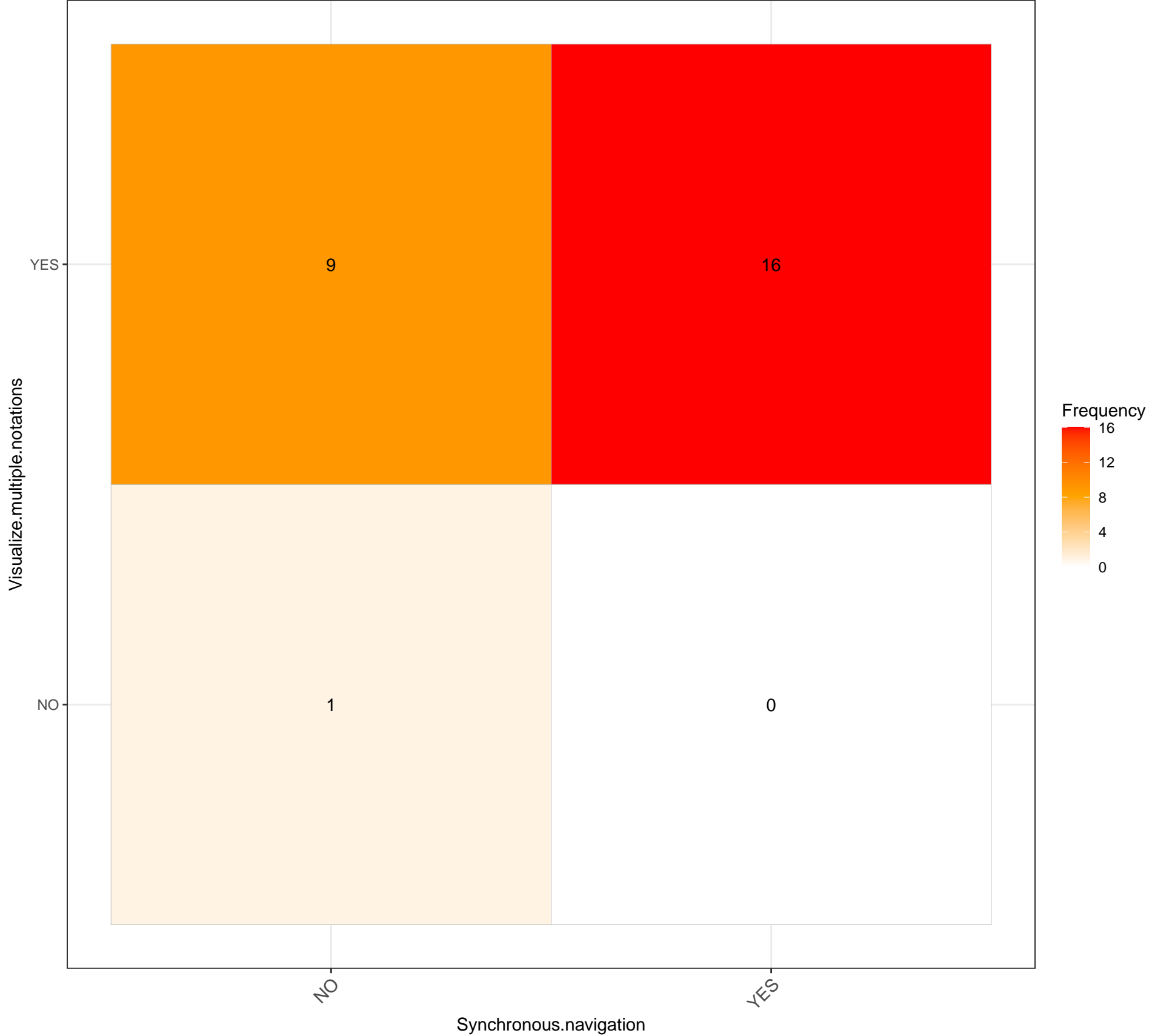
Overlap_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.3196, p= 0.1355)



Overlap_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.6652, p= 0.3451)



Visualize.multiple.notations_____Synchronous.navigation (Chi sq w/ Yates p= 0.8089, p= 0.1971)



Visualize.multiple.notations____Navigation.among.notations (Chi sq w/ Yates p= 1, p= 0.5765)

Visualize.multiple.notations

YES

6

19

NO

0

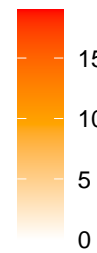
1

COMPLEX

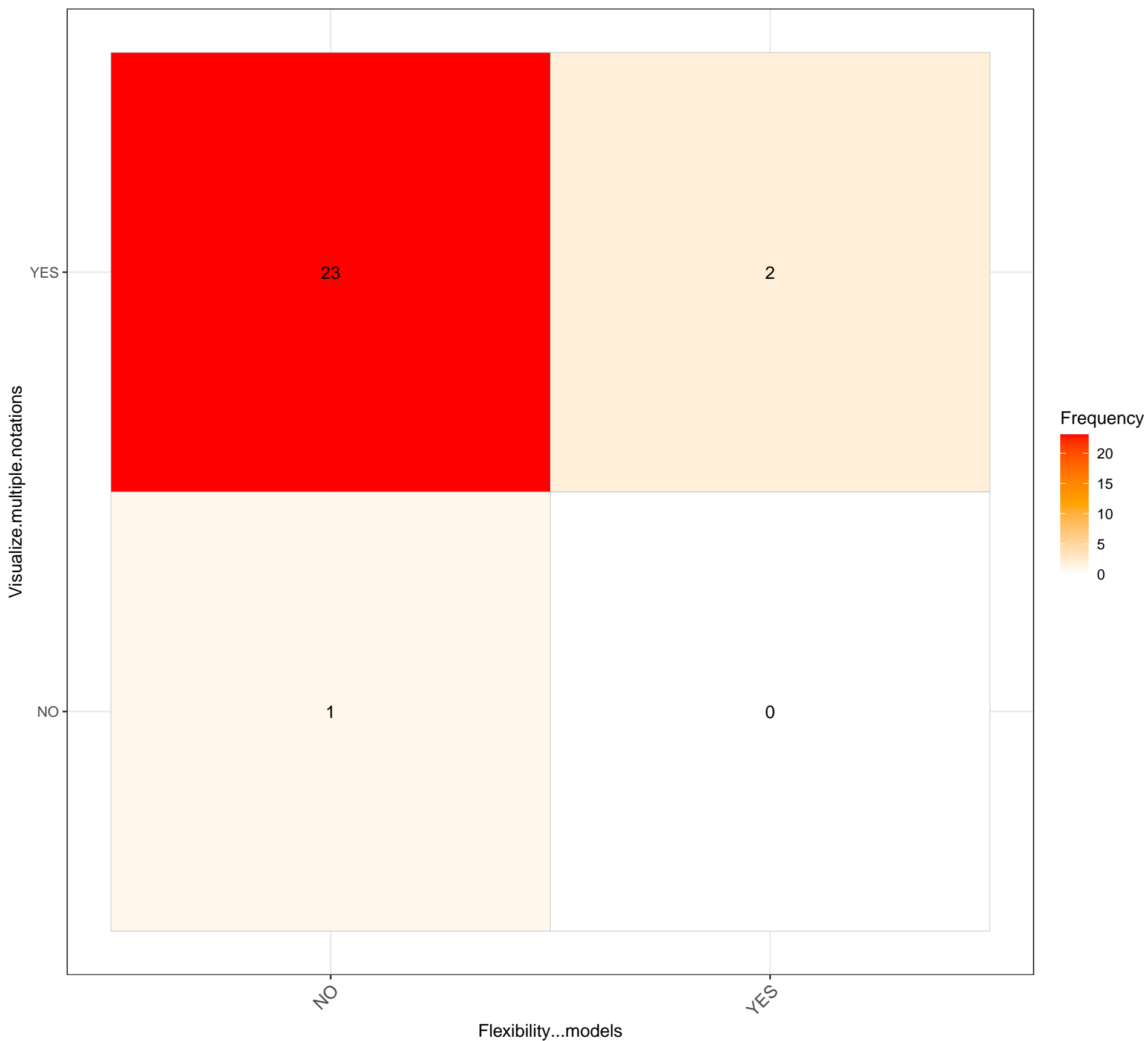
IMMEDIATE

Navigation.among.notations

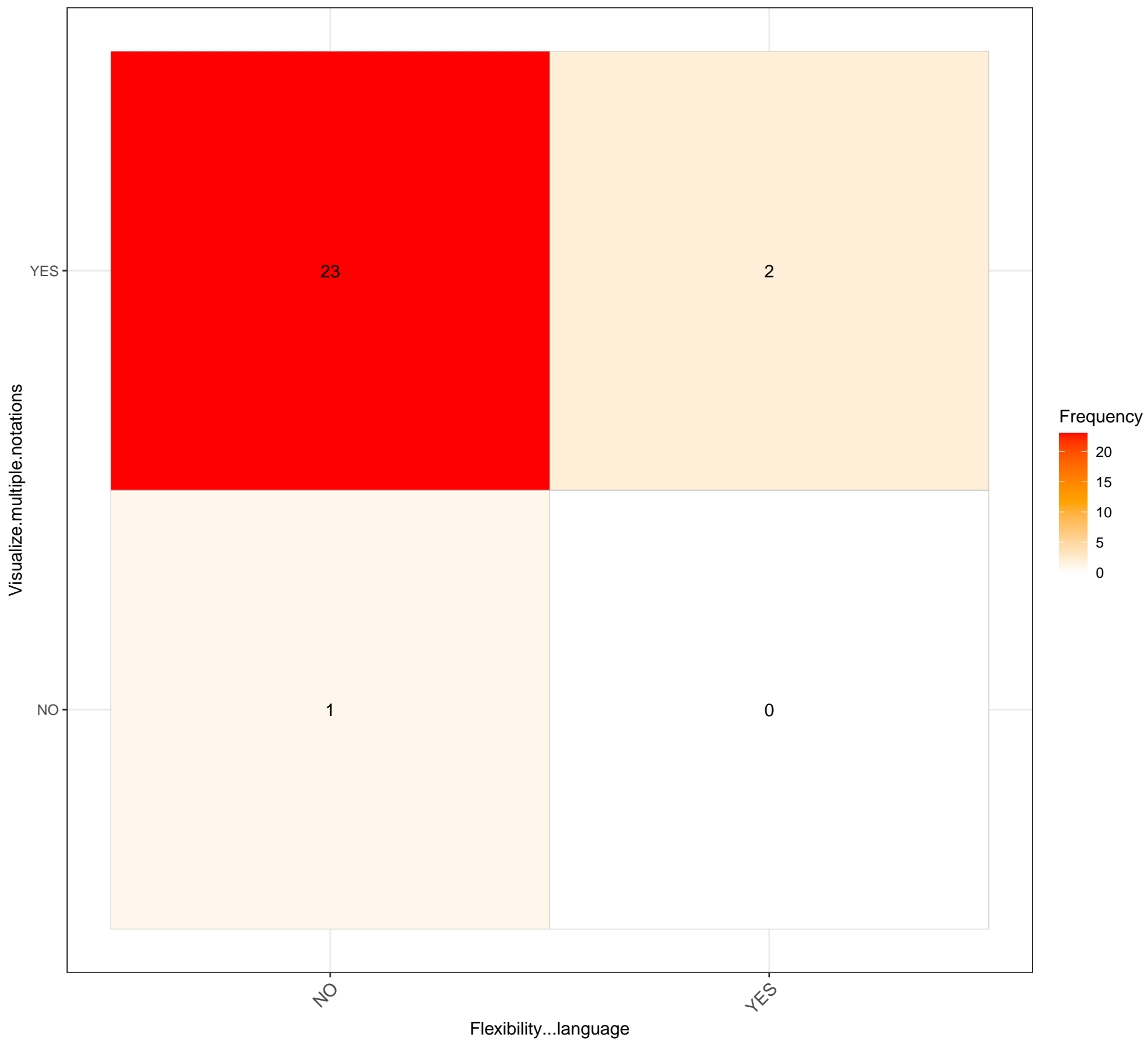
Frequency



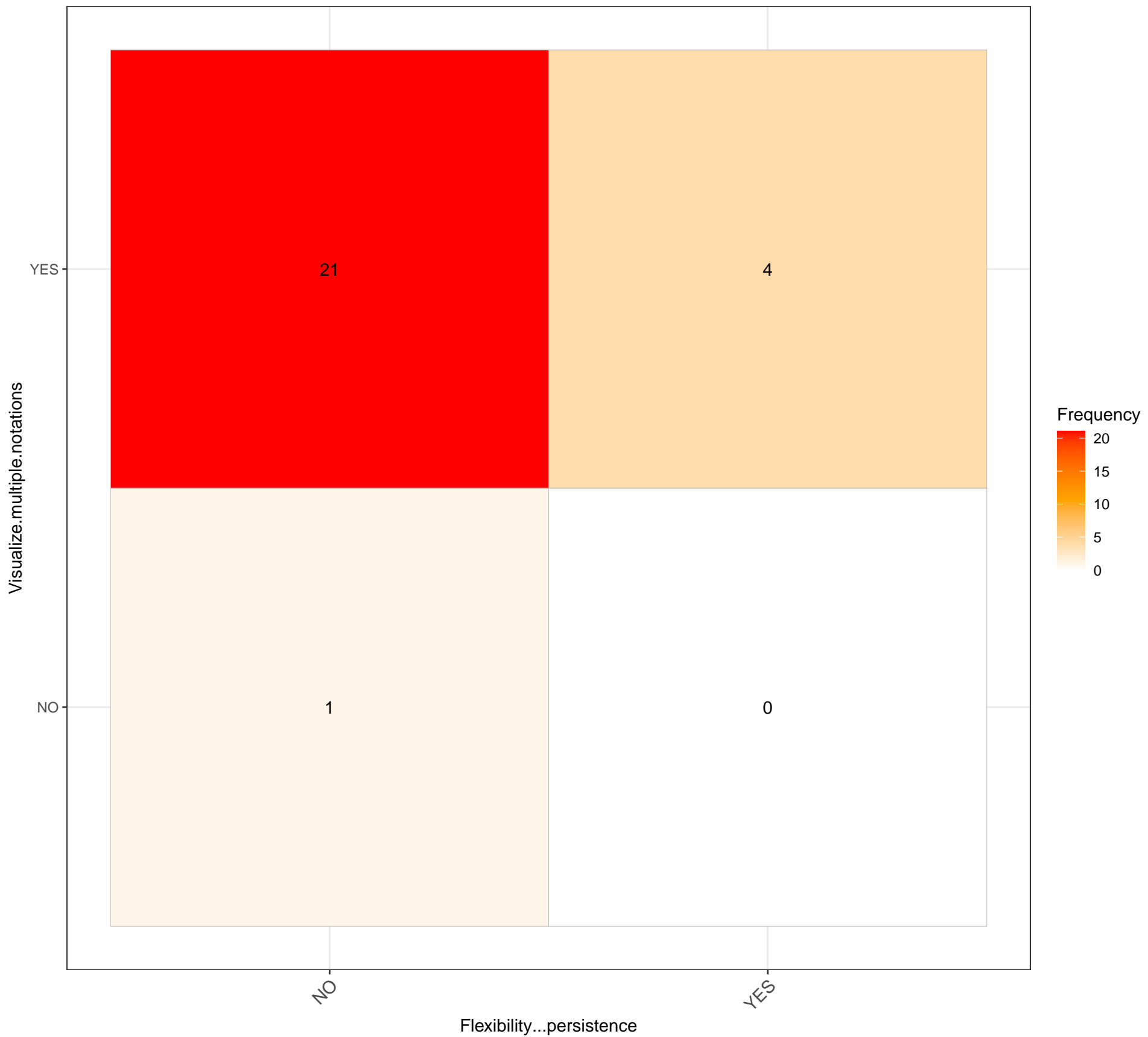
Visualize.multiple.notations_____Flexibility...models (Chi sq w/ Yates p= 1, p= 0.7685)



Visualize.multiple.notations_____Flexibility...language (Chi sq w/ Yates p= 1, p= 0.7685)



Visualize.multiple.notations_____Flexibility...persistence (Chi sq w/ Yates p= 1, p= 0.6637)



Visualize.multiple.notations_____Mapping (Chi sq w/ Yates p= 0.3279, p= 0.0168)

Visualize.multiple.notations

YES

22

3

NO

0

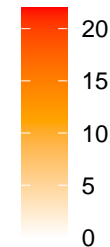
1

PARSER-BASE

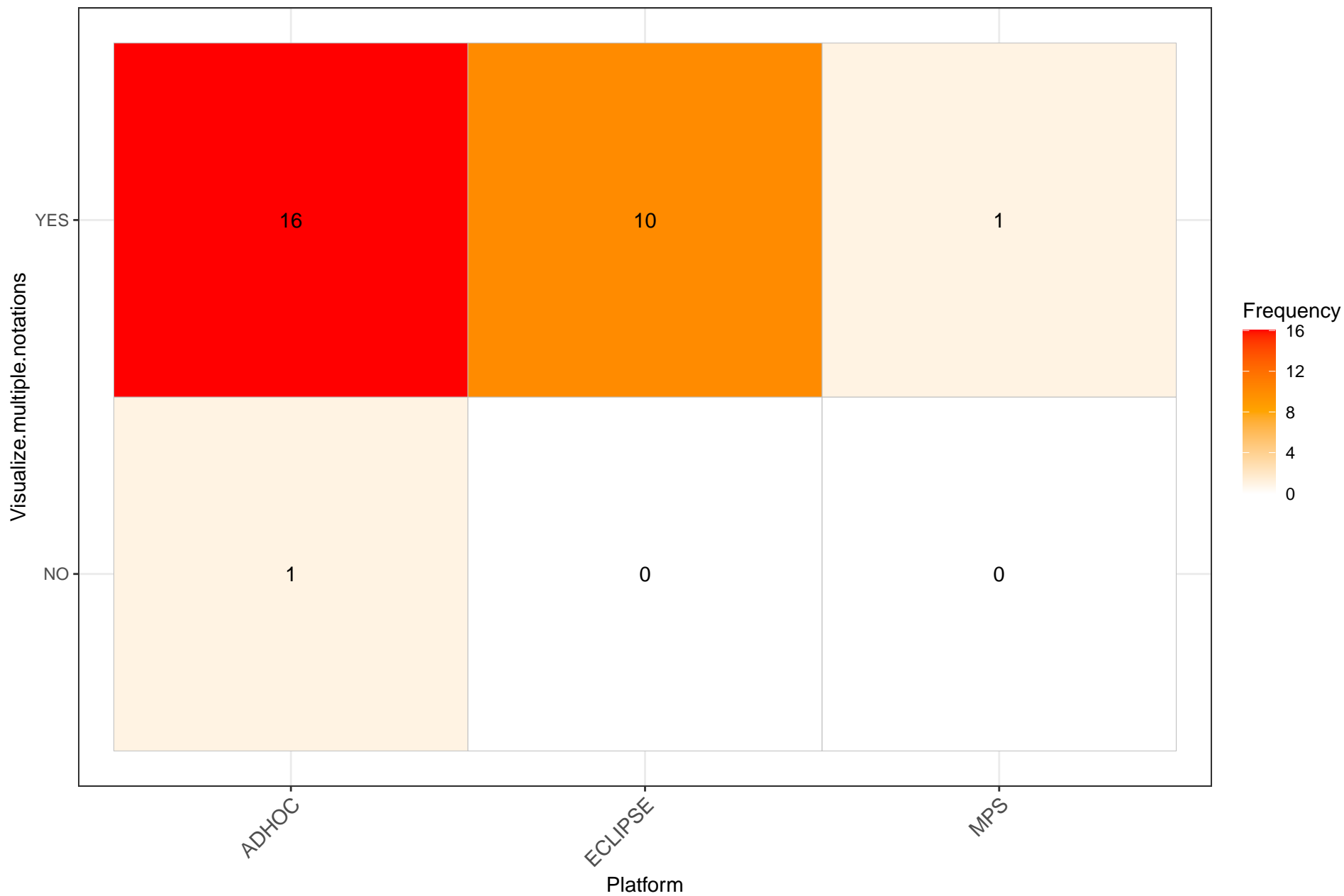
PROJECTIONAL

Mapping

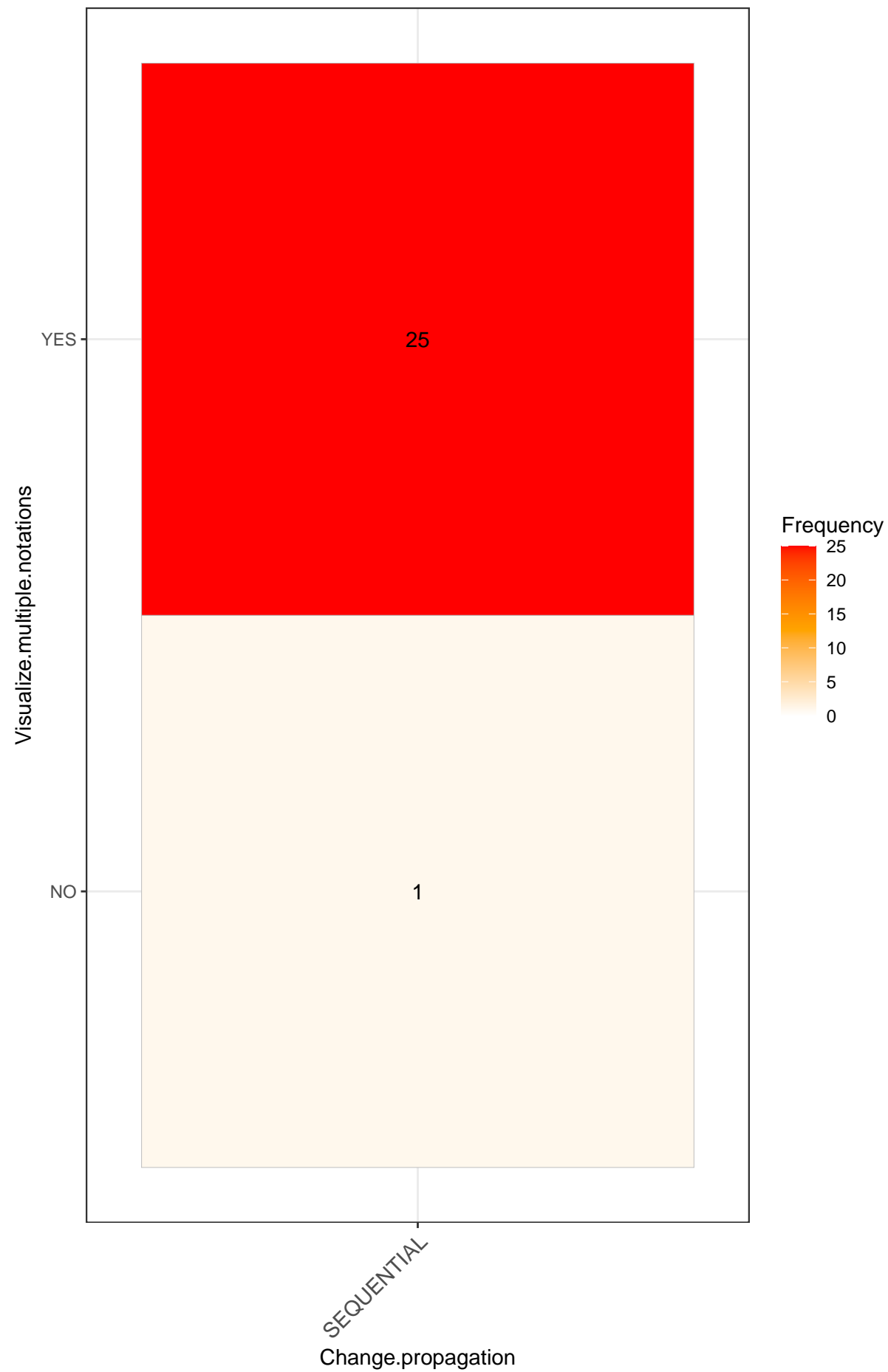
Frequency



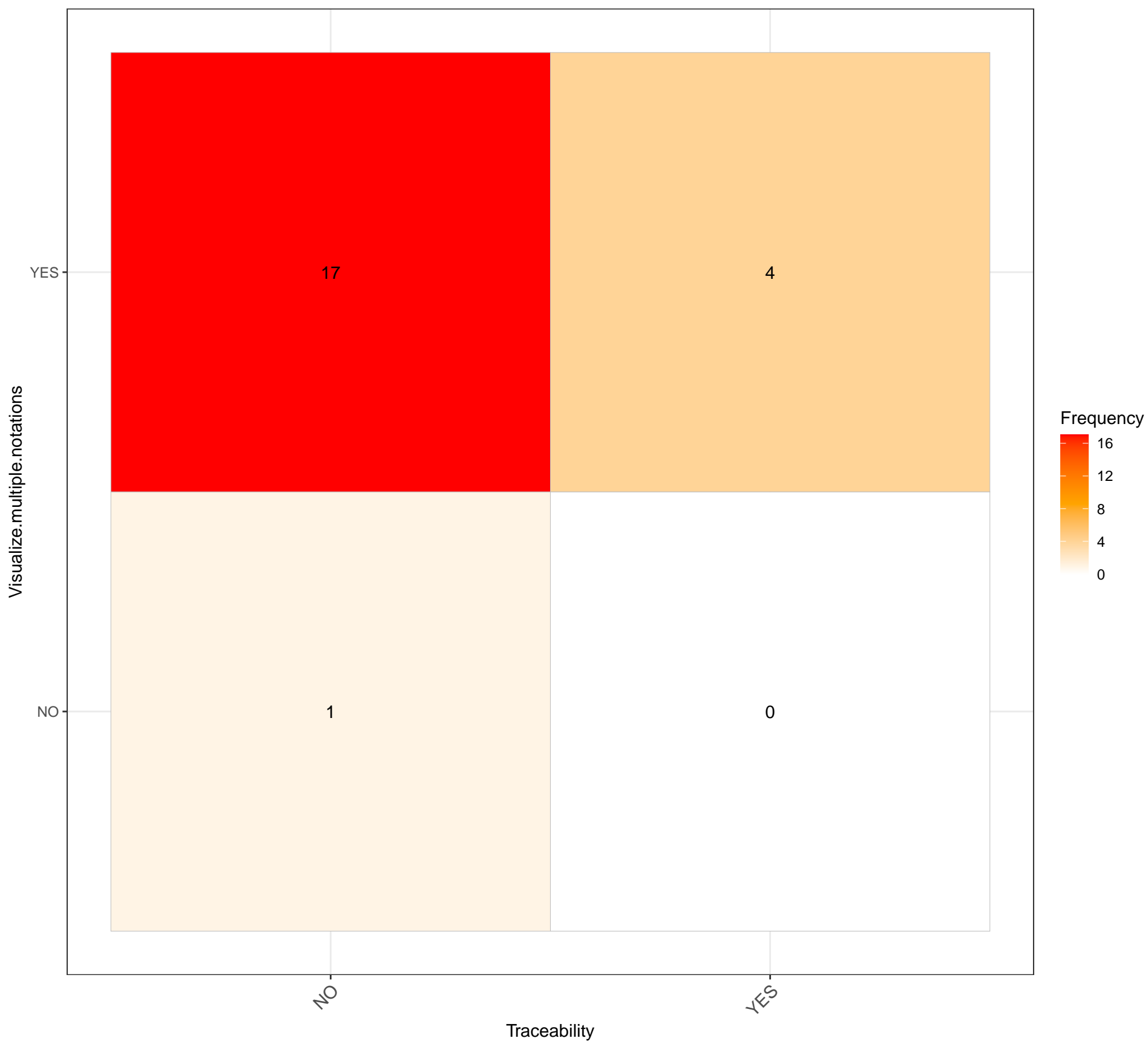
Visualize.multiple.notations____Platform (Chi sq w/ Yates p= 0.715, p= 0.715)



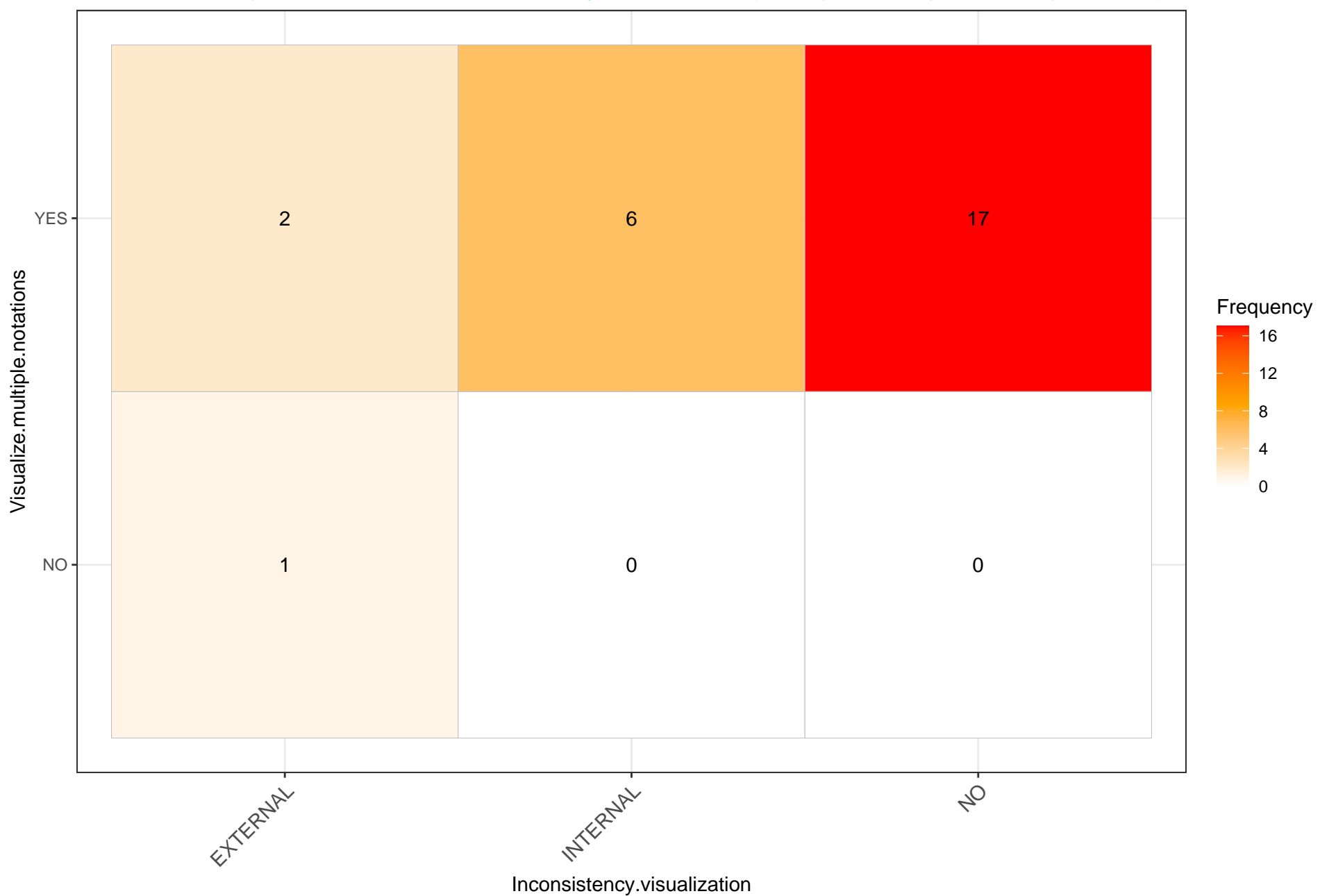
Visualize.multiple.notations_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)



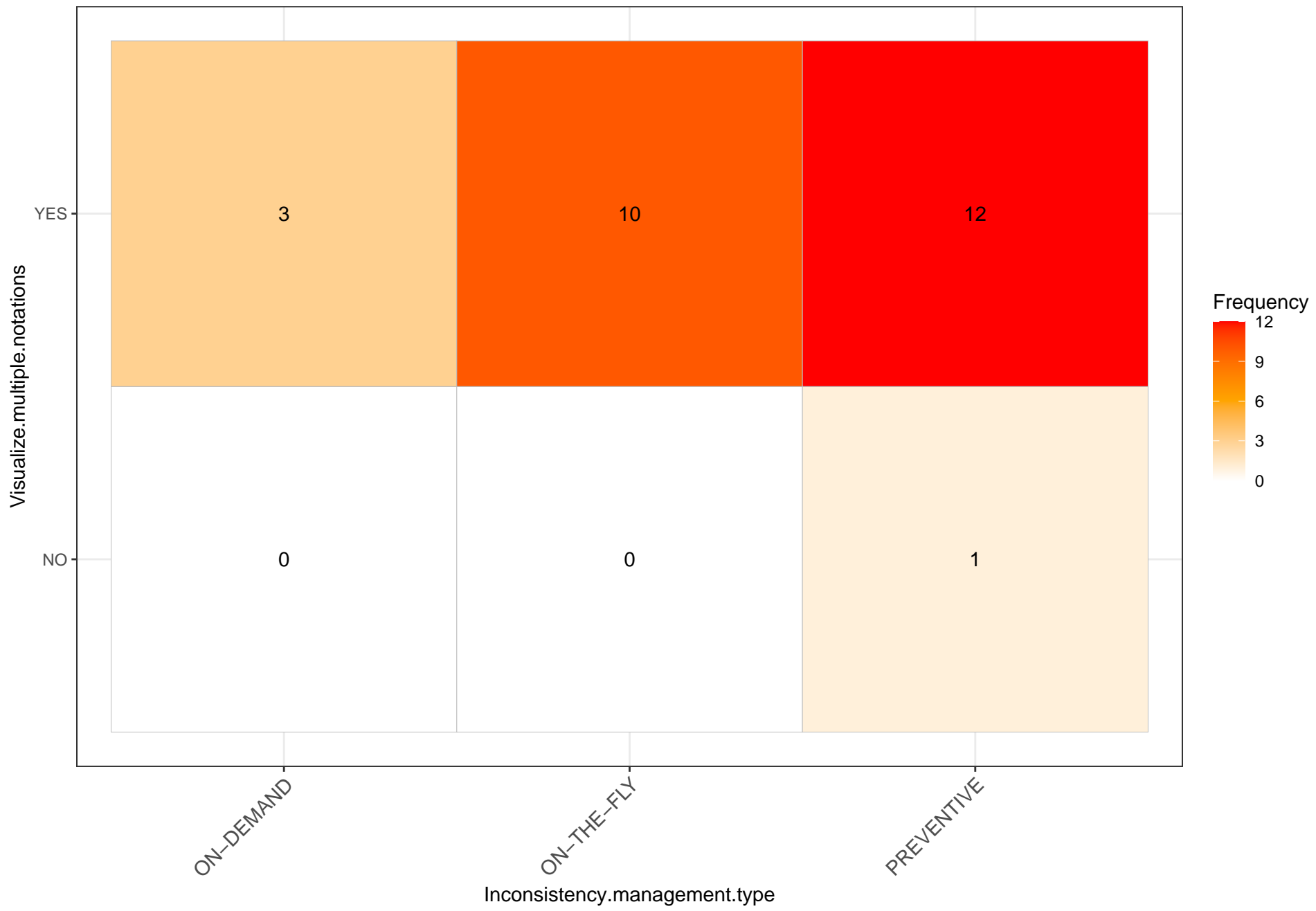
Visualize.multiple.notations_____Traceability (Chi sq w/ Yates p= 1, p= 0.6295)



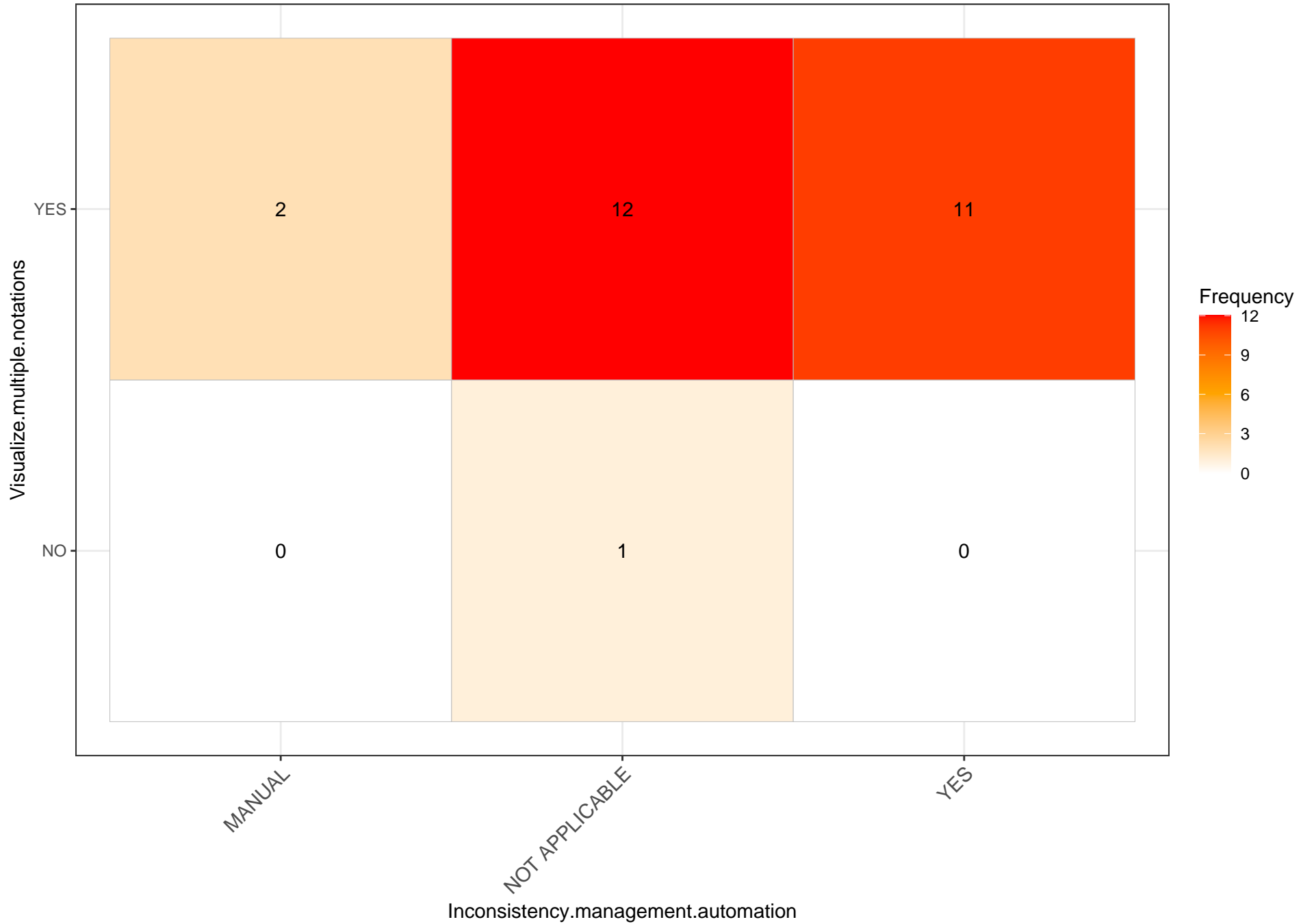
Visualize.multiple.notations_____Inconsistency.visualization (Chi sq w/ Yates p= 0.0186, p= 0.0186)



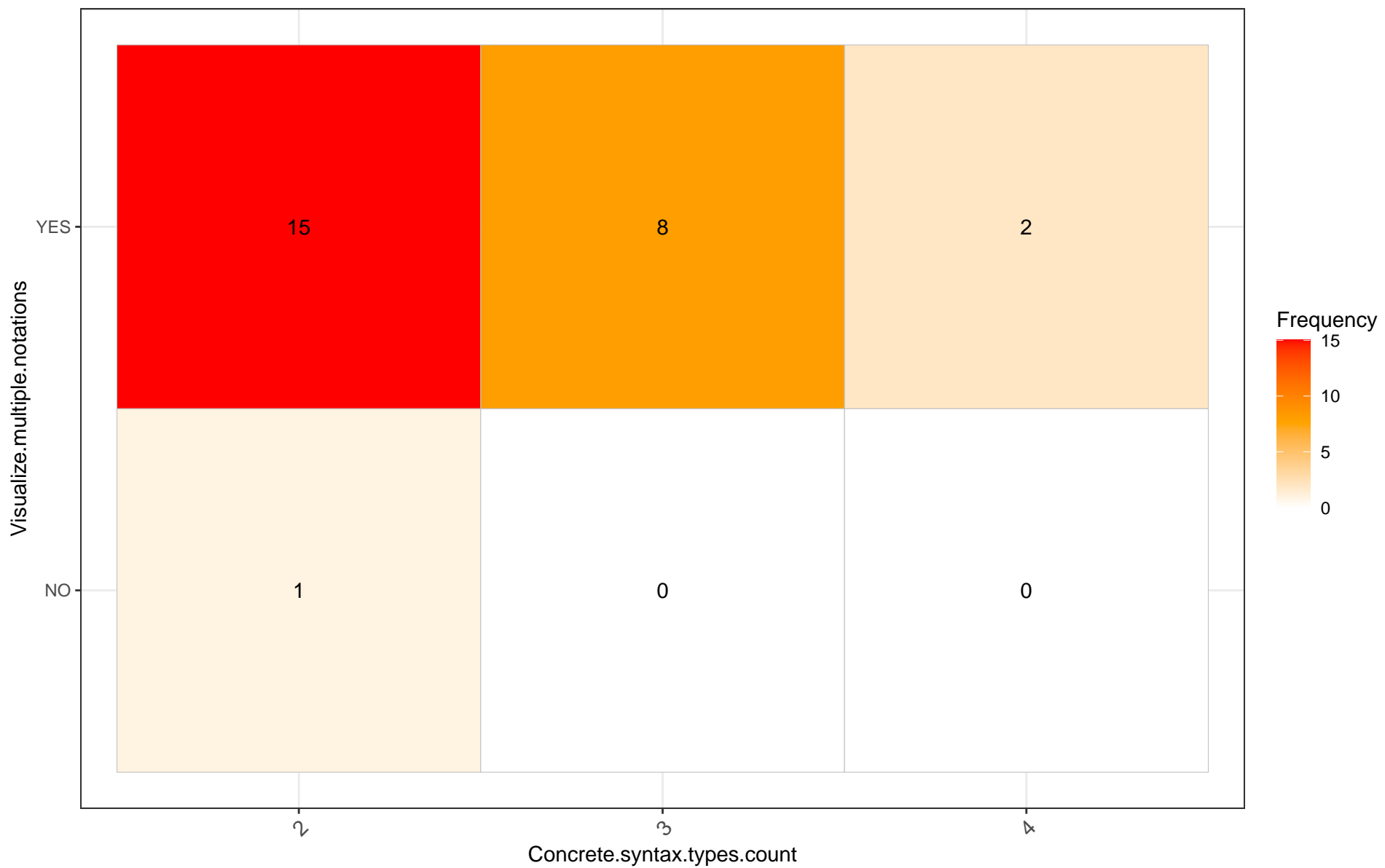
Visualize.multiple.notations_____Inconsistency.management.type (Chi sq w/ Yates p= 0.5945, p= 0.5945)



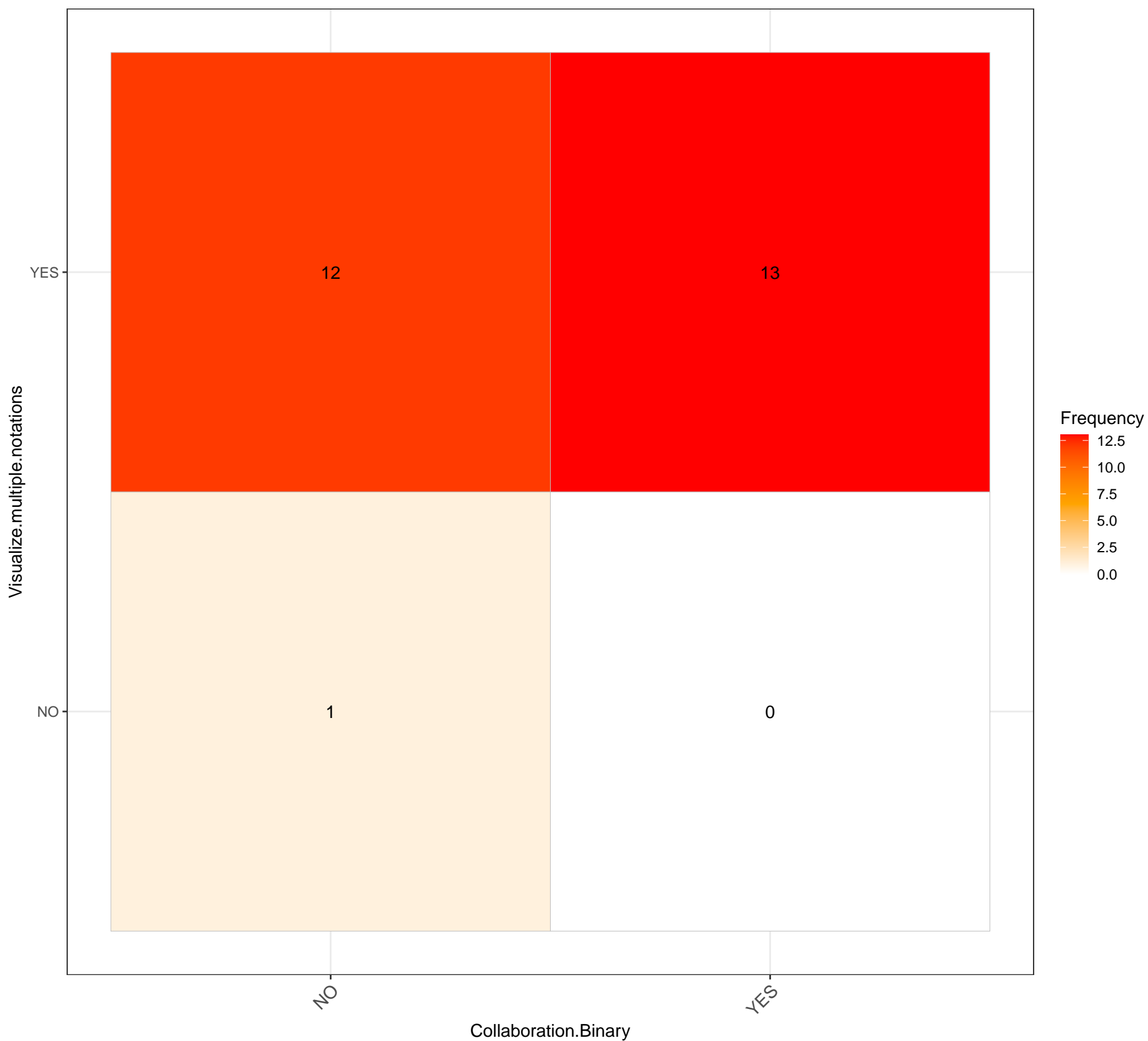
Visualize.multiple.notations____Inconsistency.management.automation (Chi sq w/ Yates p= 0.5945, p= 0.5945)



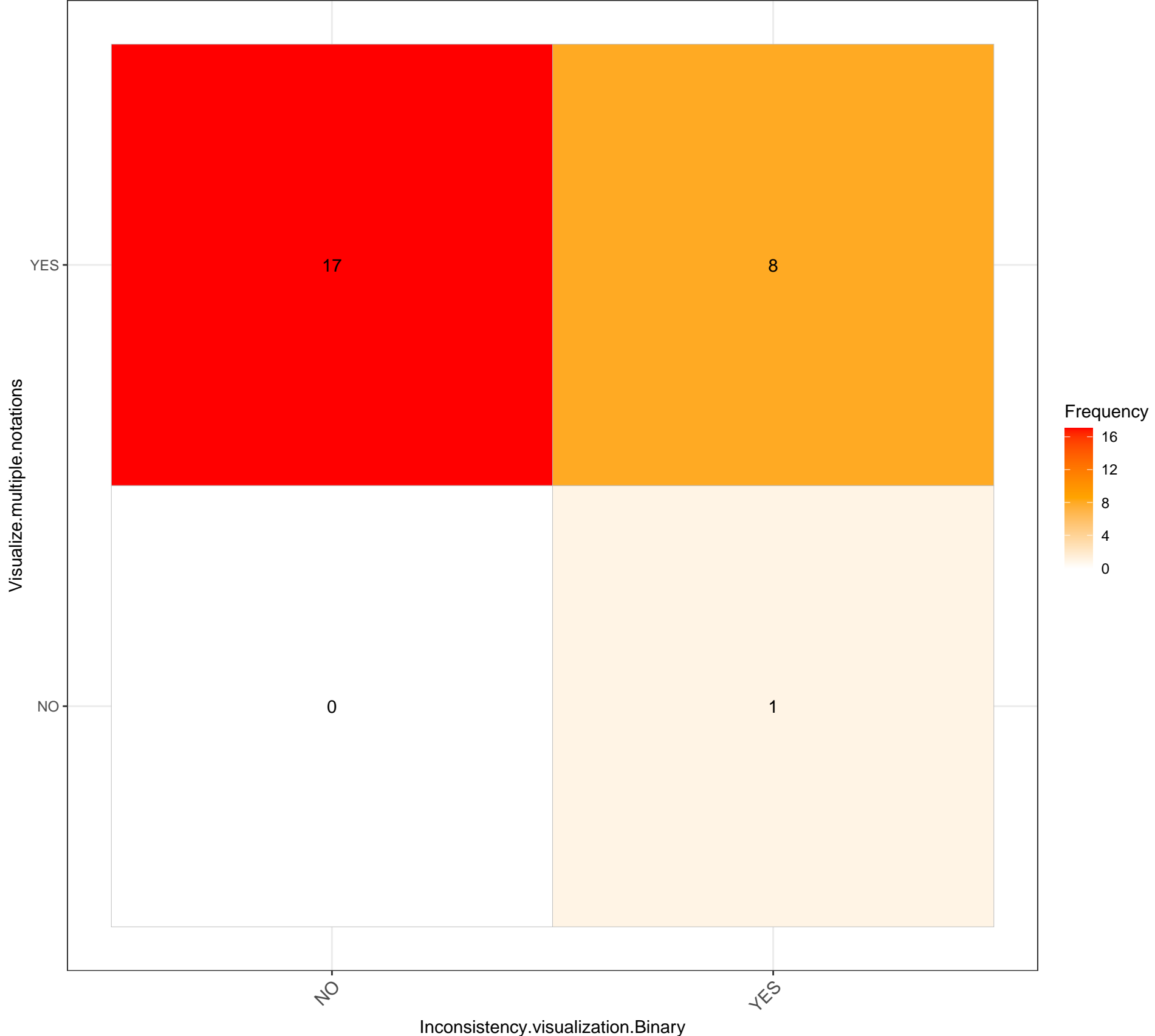
Visualize.multiple.notations_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.7225, p= 0.7225)



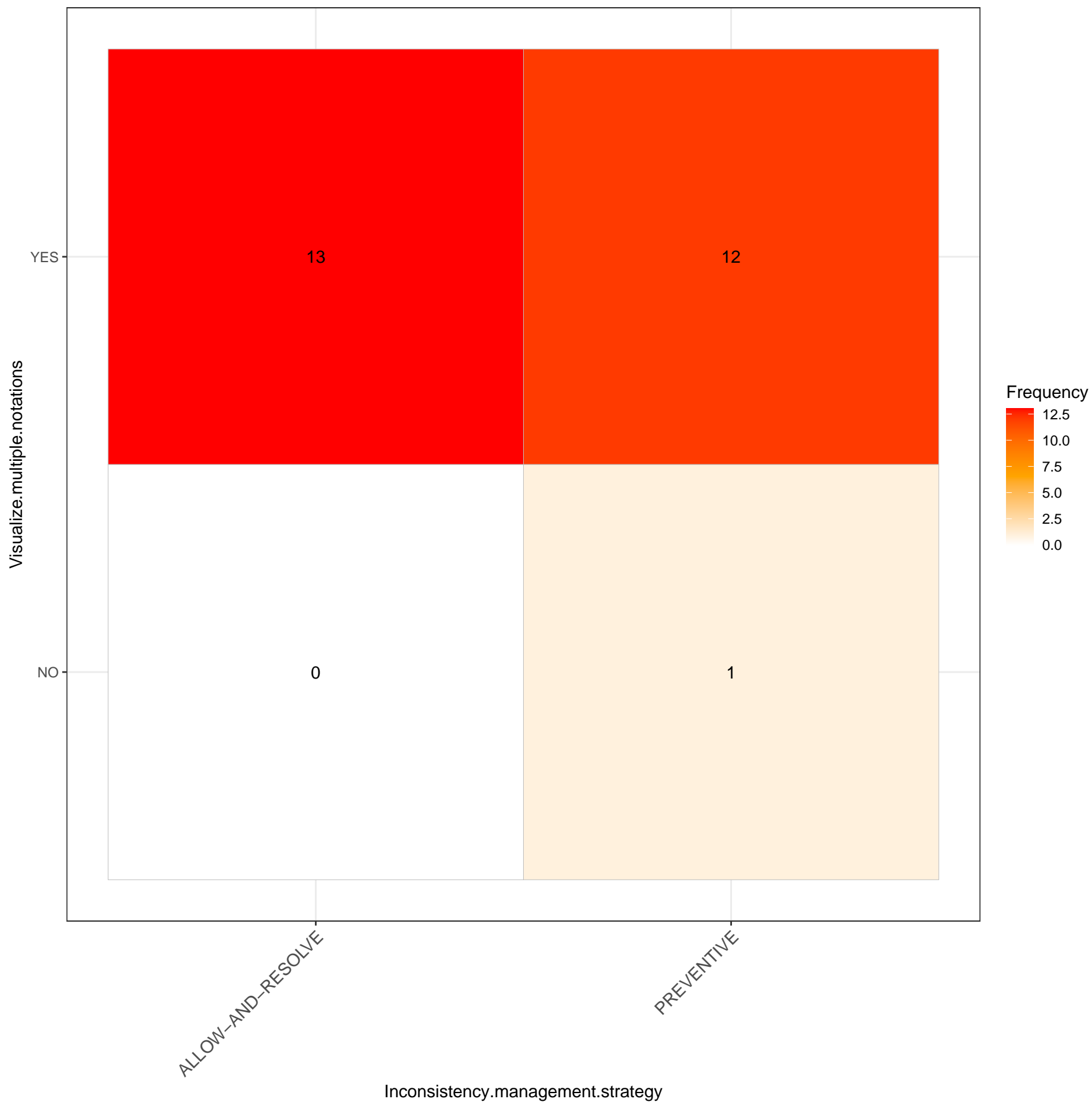
Visualize.multiple.notations_____Collaboration.Binary (Chi sq w/ Yates p= 1, p= 0.3078)



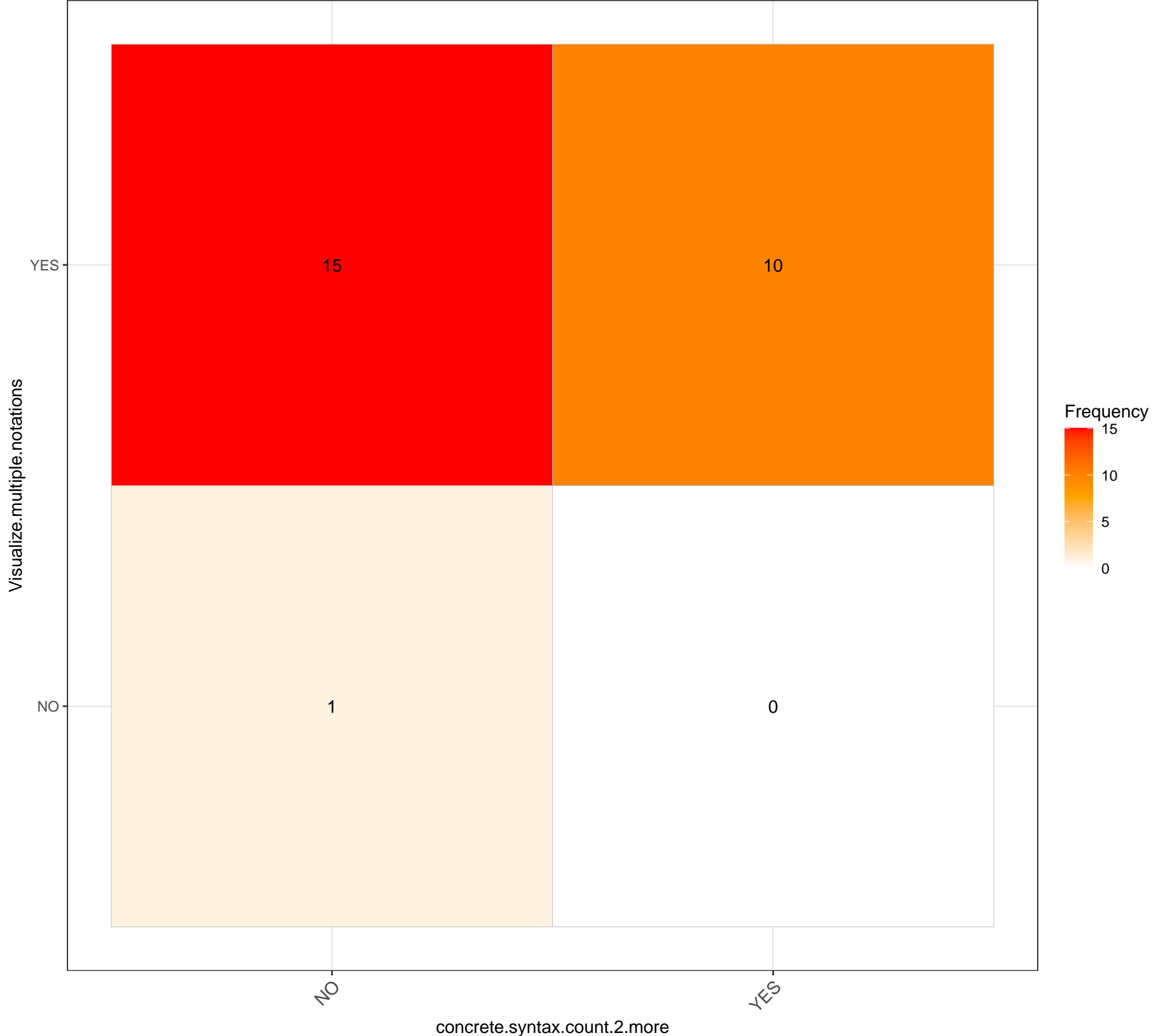
Visualize.multiple.notations_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.7416, p= 0.161)



Visualize.multiple.notations_____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 0.3078)



Visualize.multiple.notations_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 1, p= 0.4201)



Synchronous.navigation_____Navigation.among.notations (Chi sq w/ Yates p= 0.0023, p= 4e-04)

Synchronous.navigation

YES

0

16

NO

6

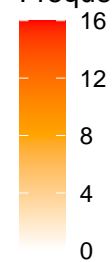
4

COMPLEX

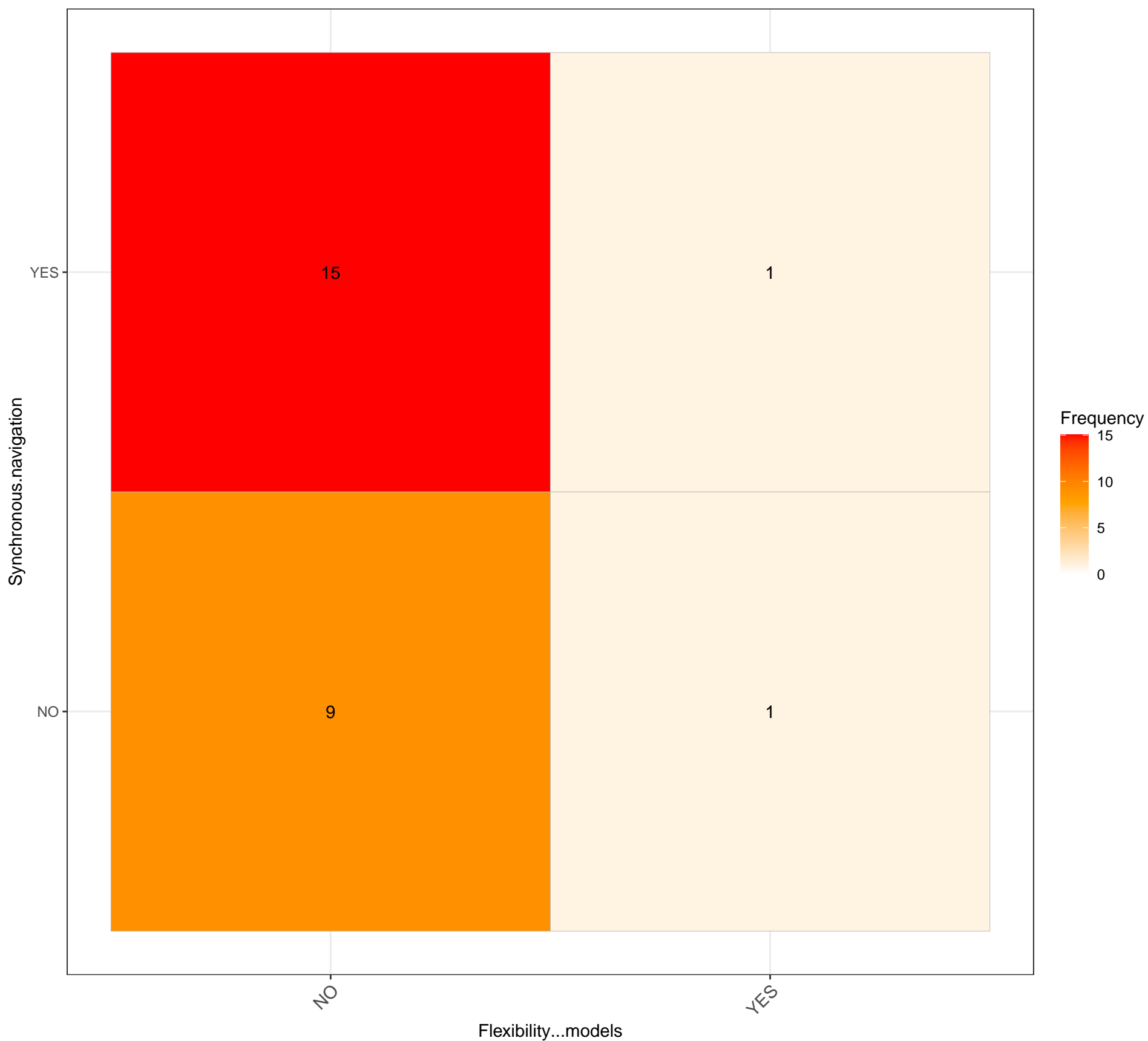
IMMEDIATE

Navigation.among.notations

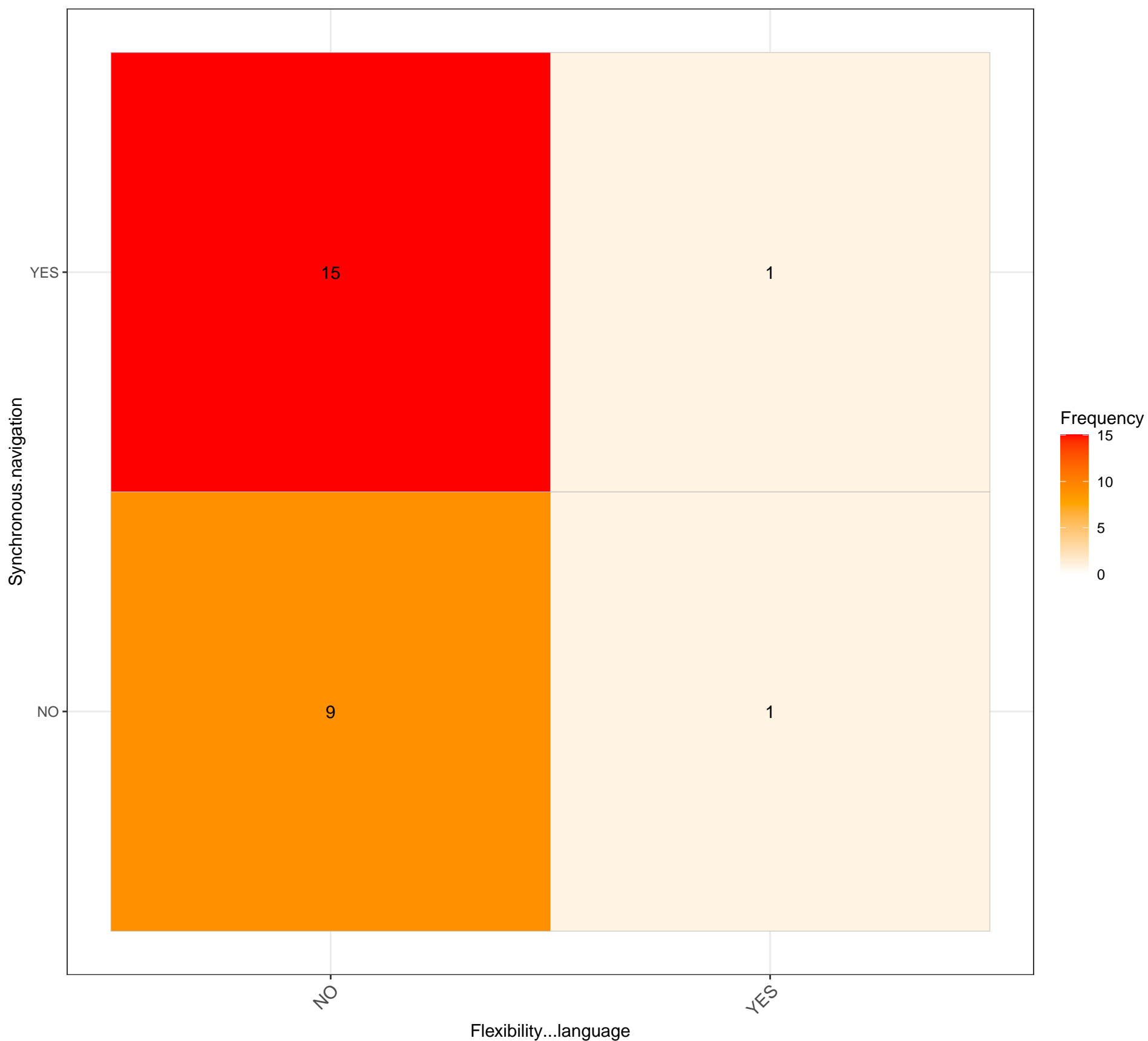
Frequency



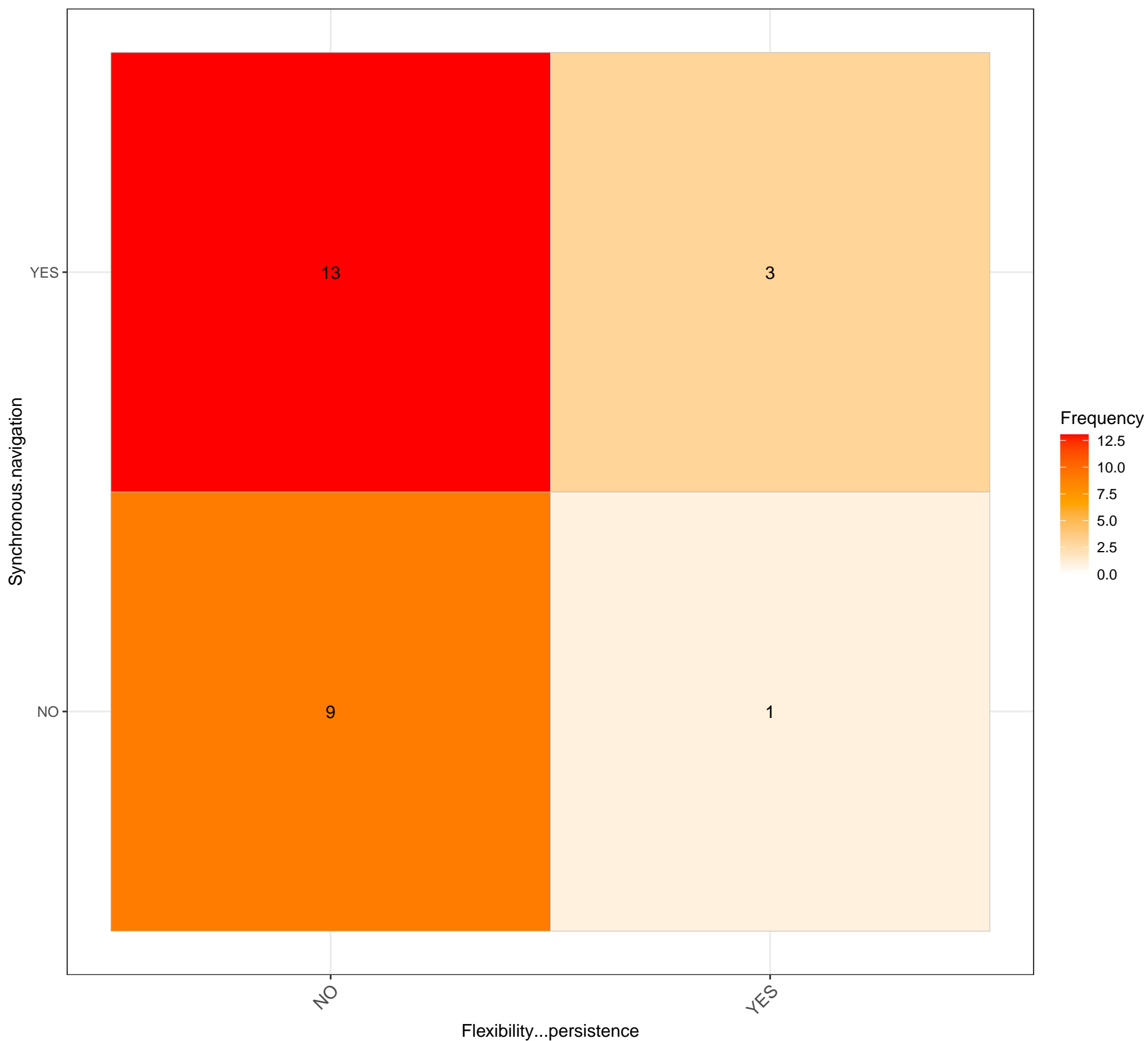
Synchronous.navigation____Flexibility...models (Chi sq w/ Yates p= 1, p= 0.727)



Synchronous.navigation____Flexibility...language (Chi sq w/ Yates p= 1, p= 0.727)



Synchronous.navigation____Flexibility...persistence (Chi sq w/ Yates p= 0.9657, p= 0.5474)



Synchronous.navigation_____Mapping (Chi sq w/ Yates p= 1, p= 0.6061)

Synchronous.navigation

YES

14

2

NO

8

2

PARSER-BASE

PROJECTIONAL

Mapping

Frequency

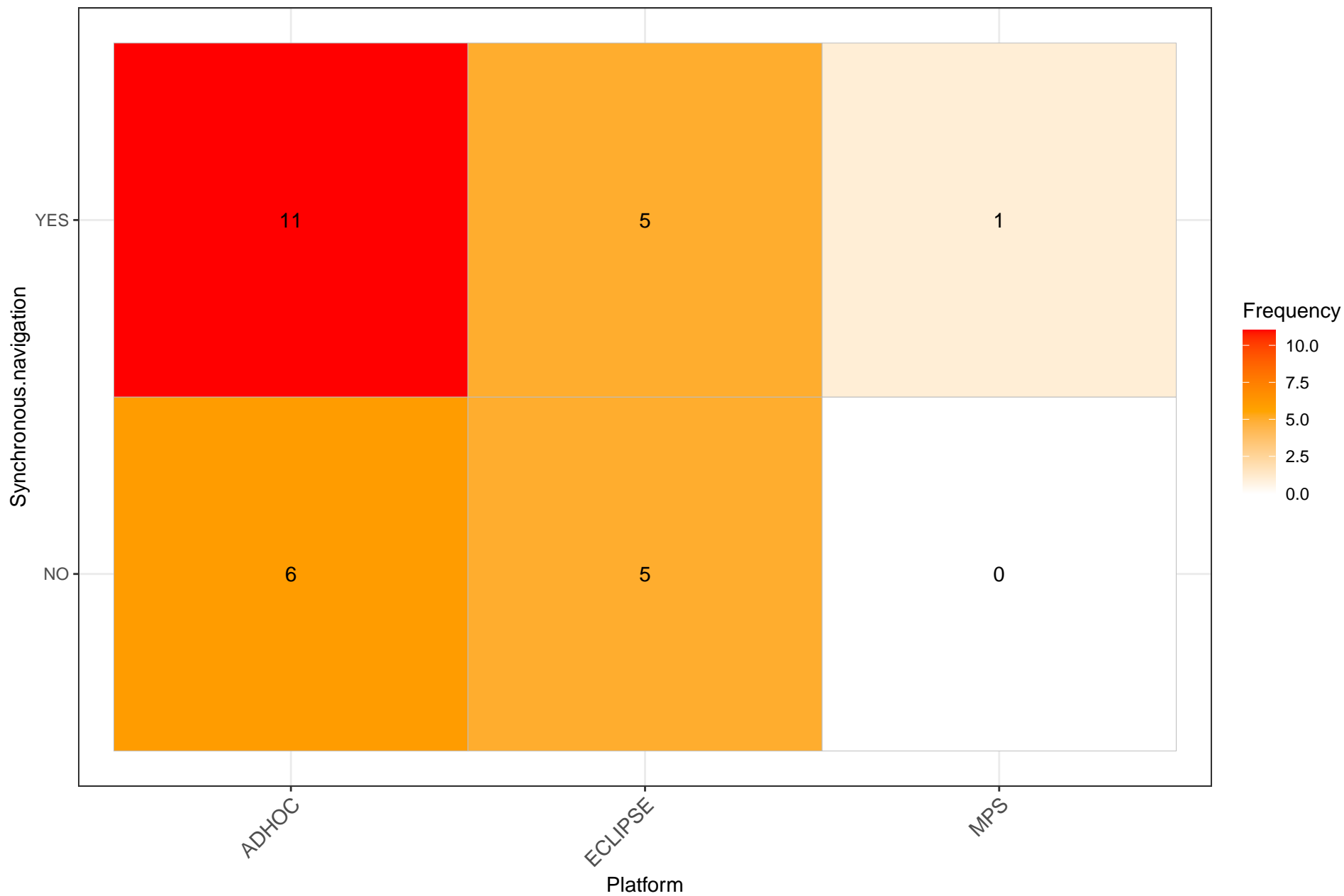
10

5

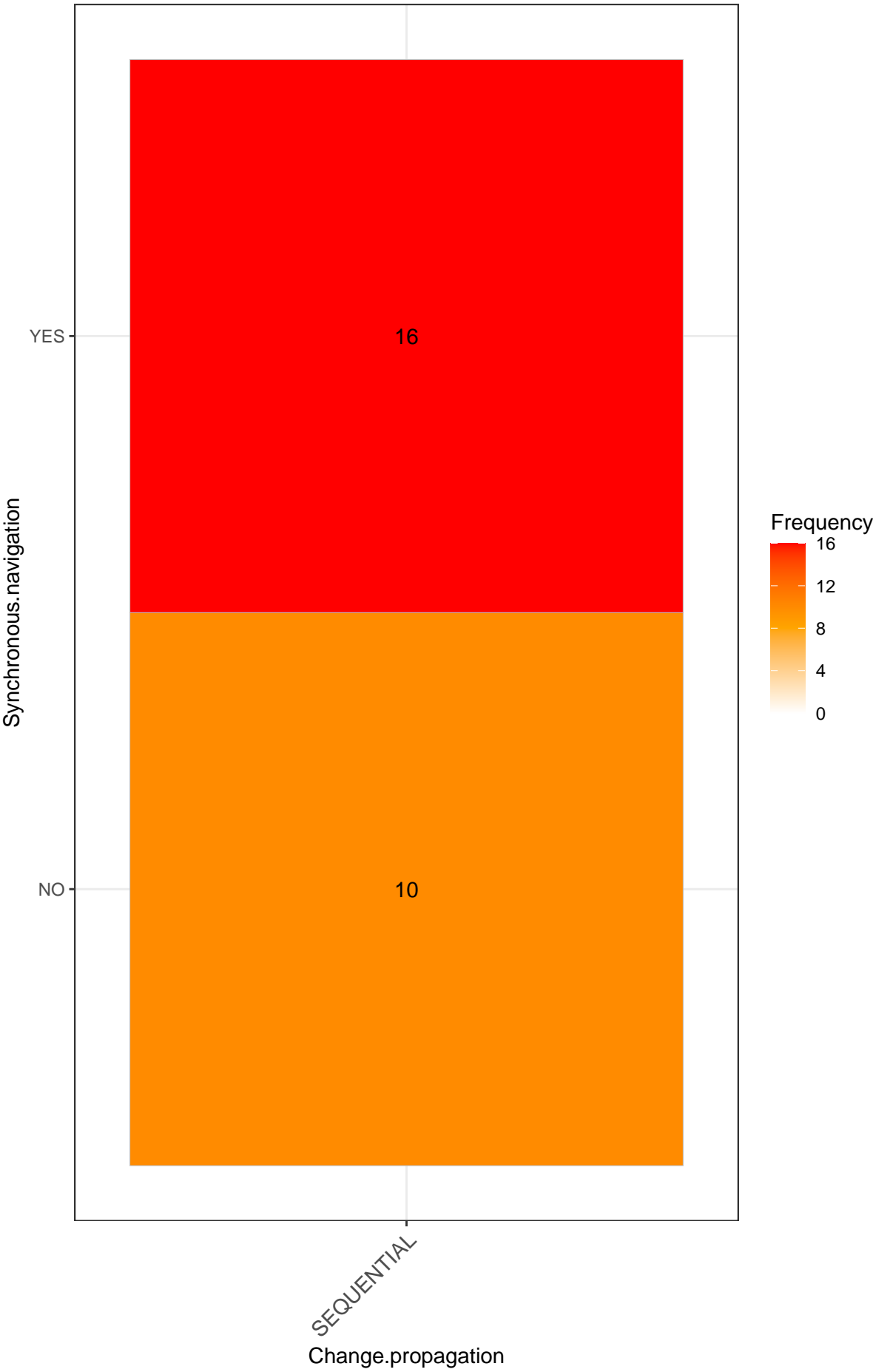
0



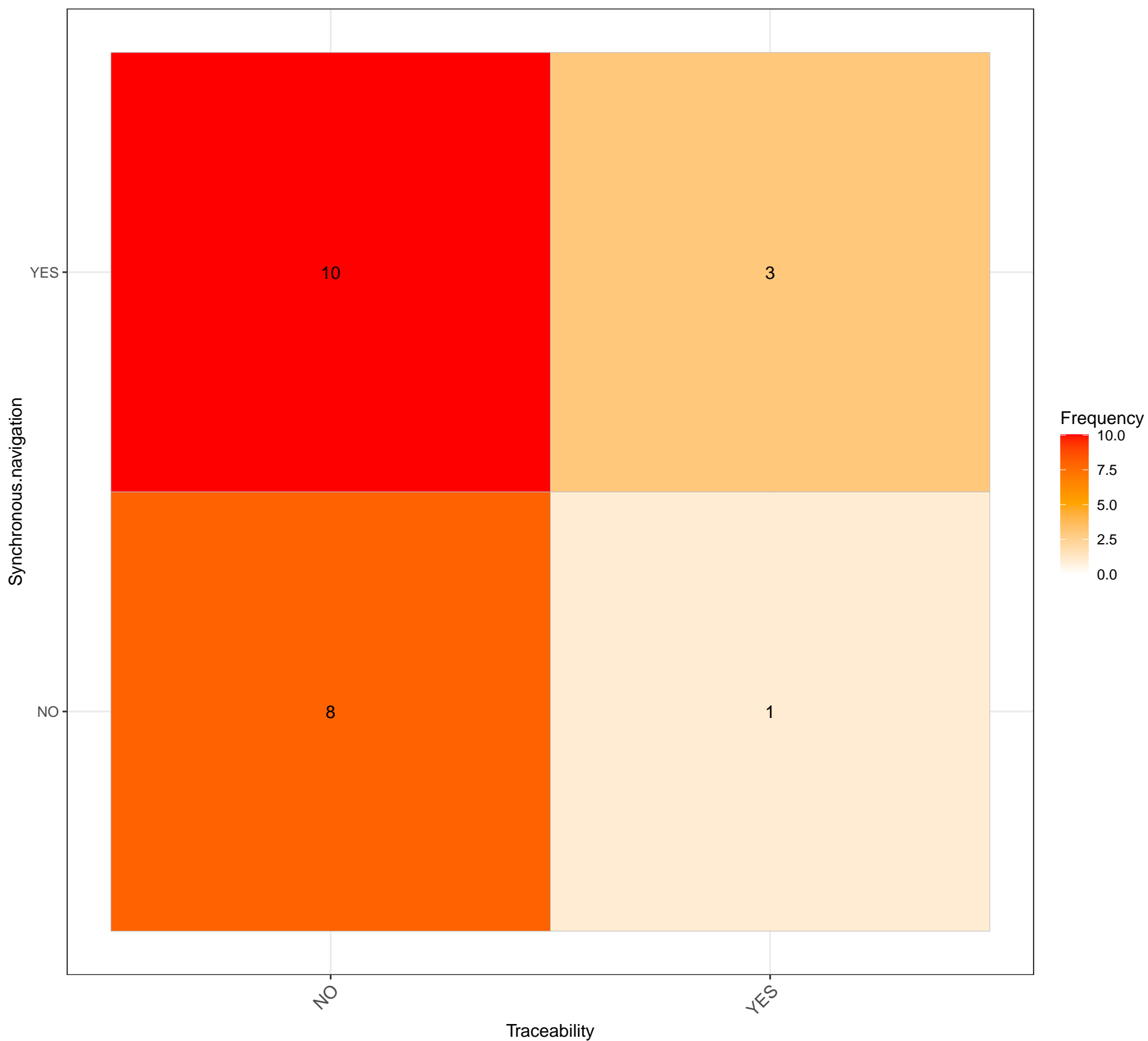
Synchronous.navigation_____Platform (Chi sq w/ Yates p= 0.5374, p= 0.5374)



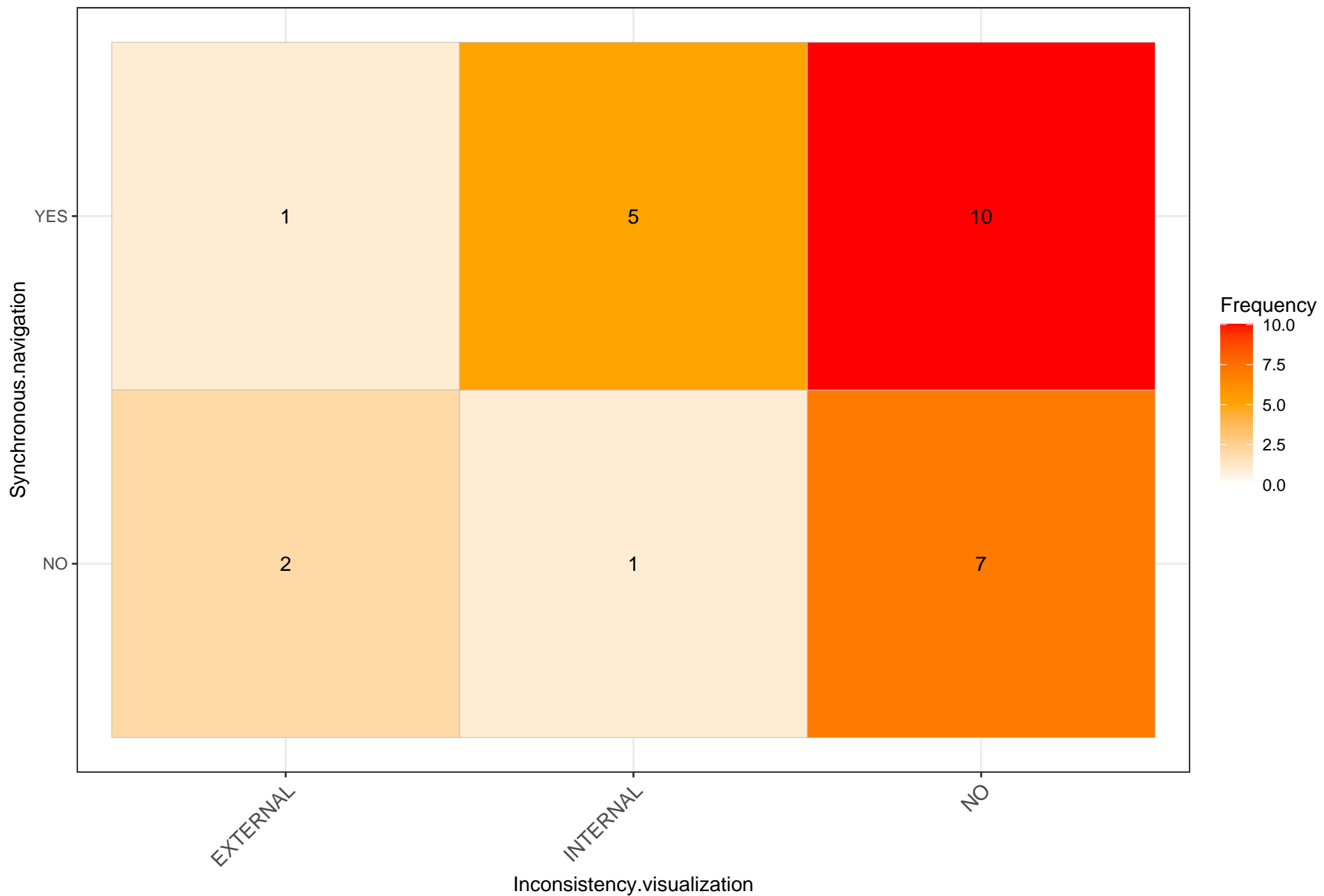
Synchronous.navigation_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)



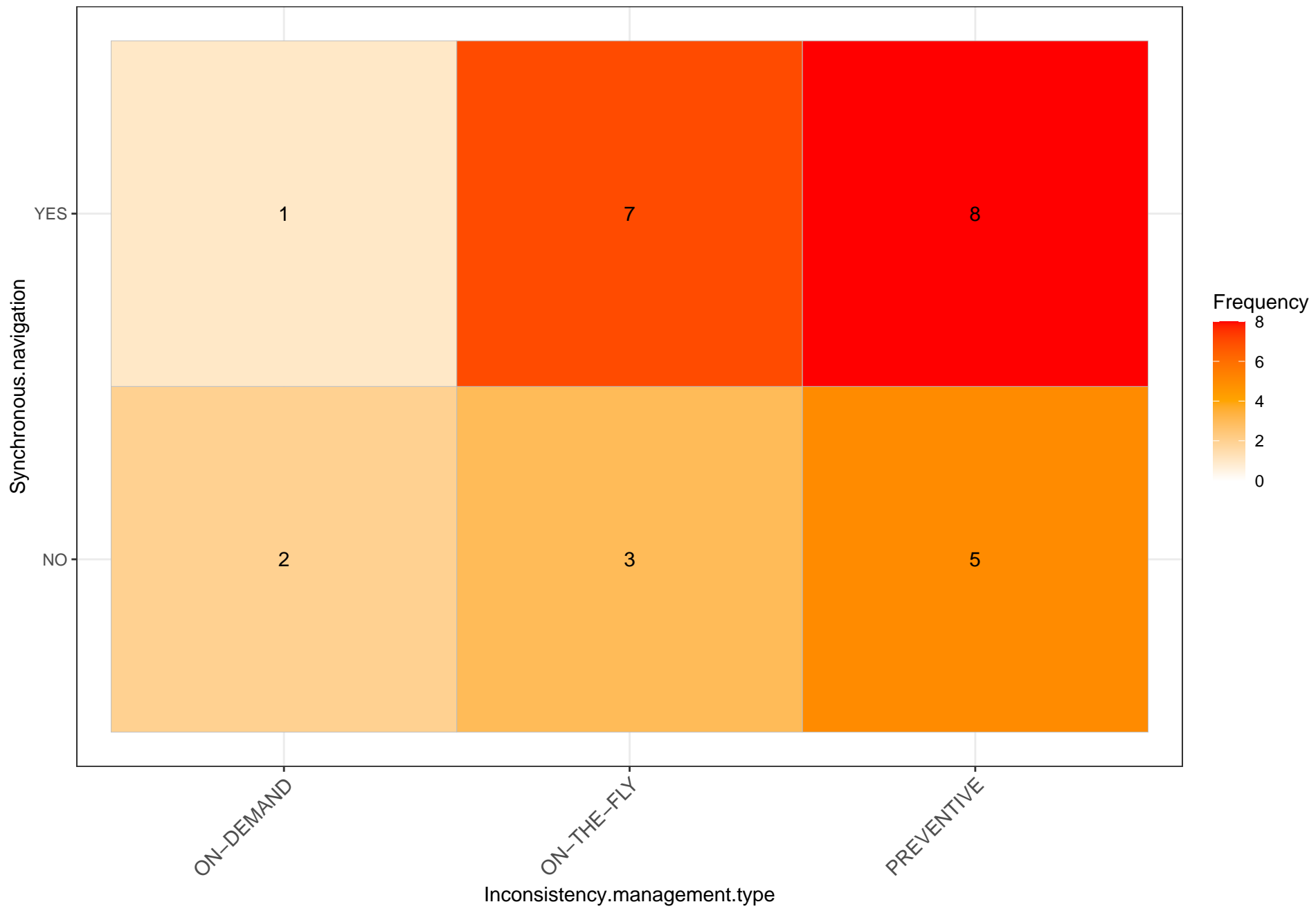
Synchronous.navigation_____Traceability (Chi sq w/ Yates p= 0.8782, p= 0.4743)



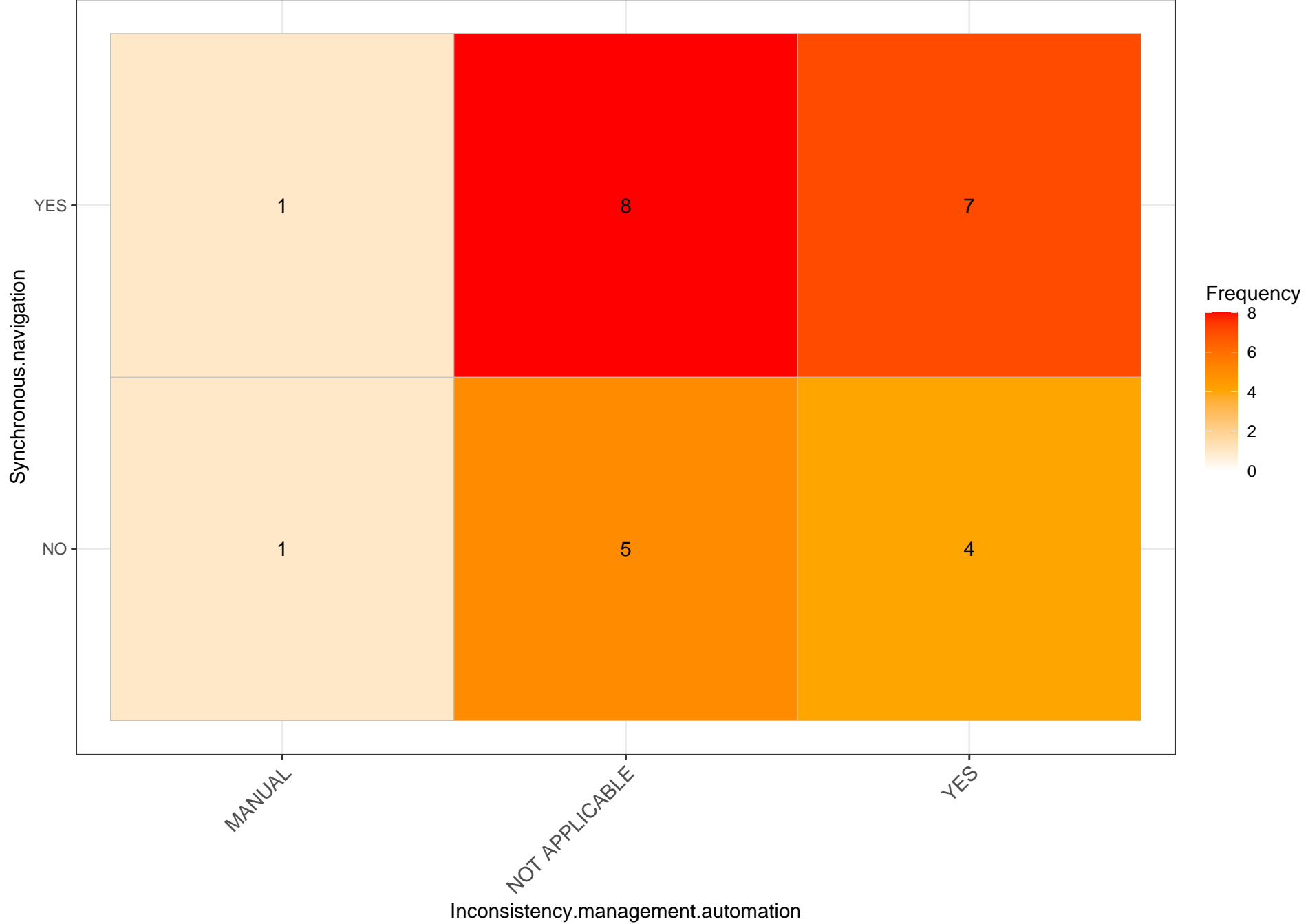
Synchronous.navigation_____Inconsistency.visualization (Chi sq w/ Yates p= 0.3222, p= 0.3222)



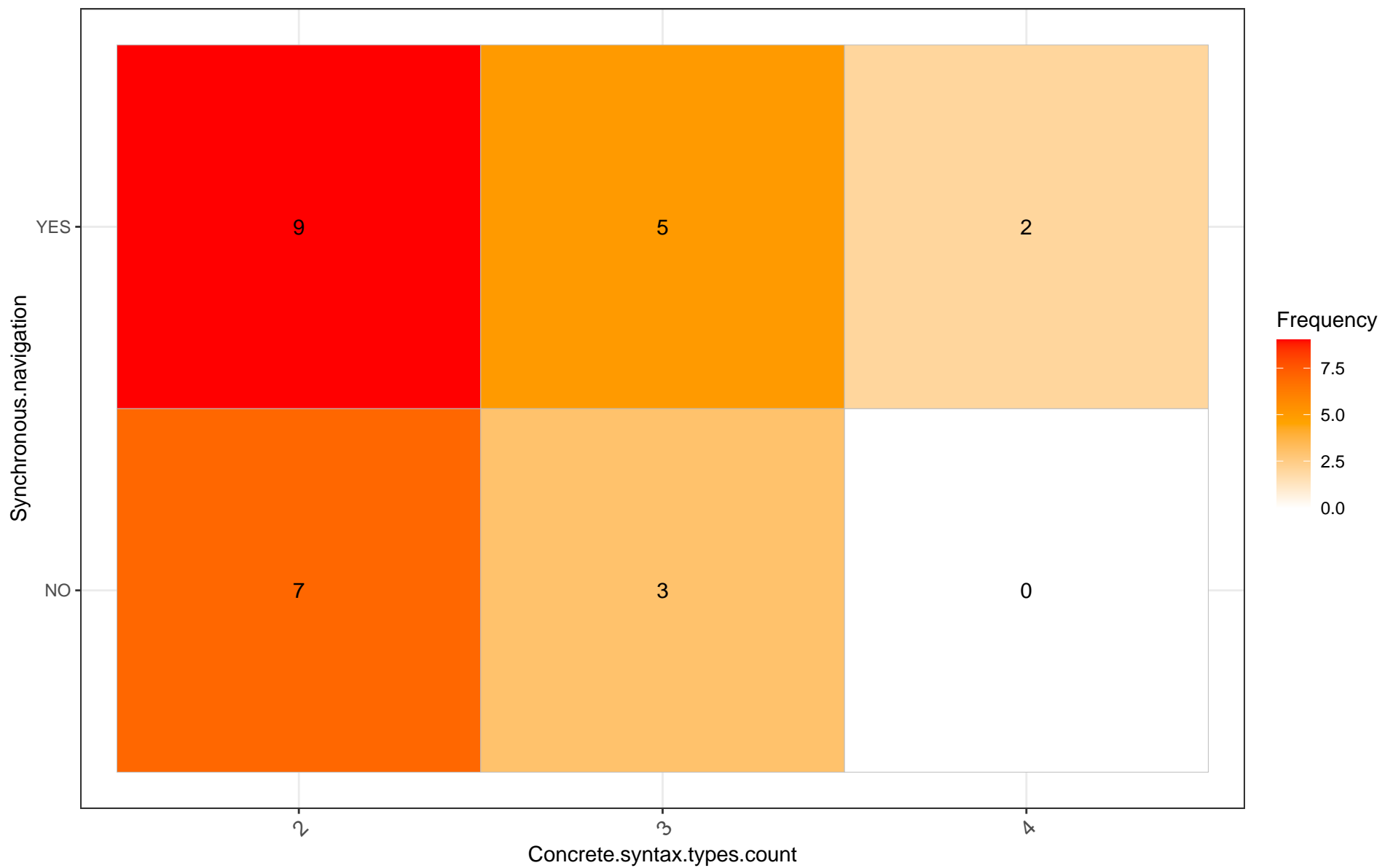
Synchronous.navigation_____Inconsistency.management.type (Chi sq w/ Yates p= 0.5192, p= 0.5192)



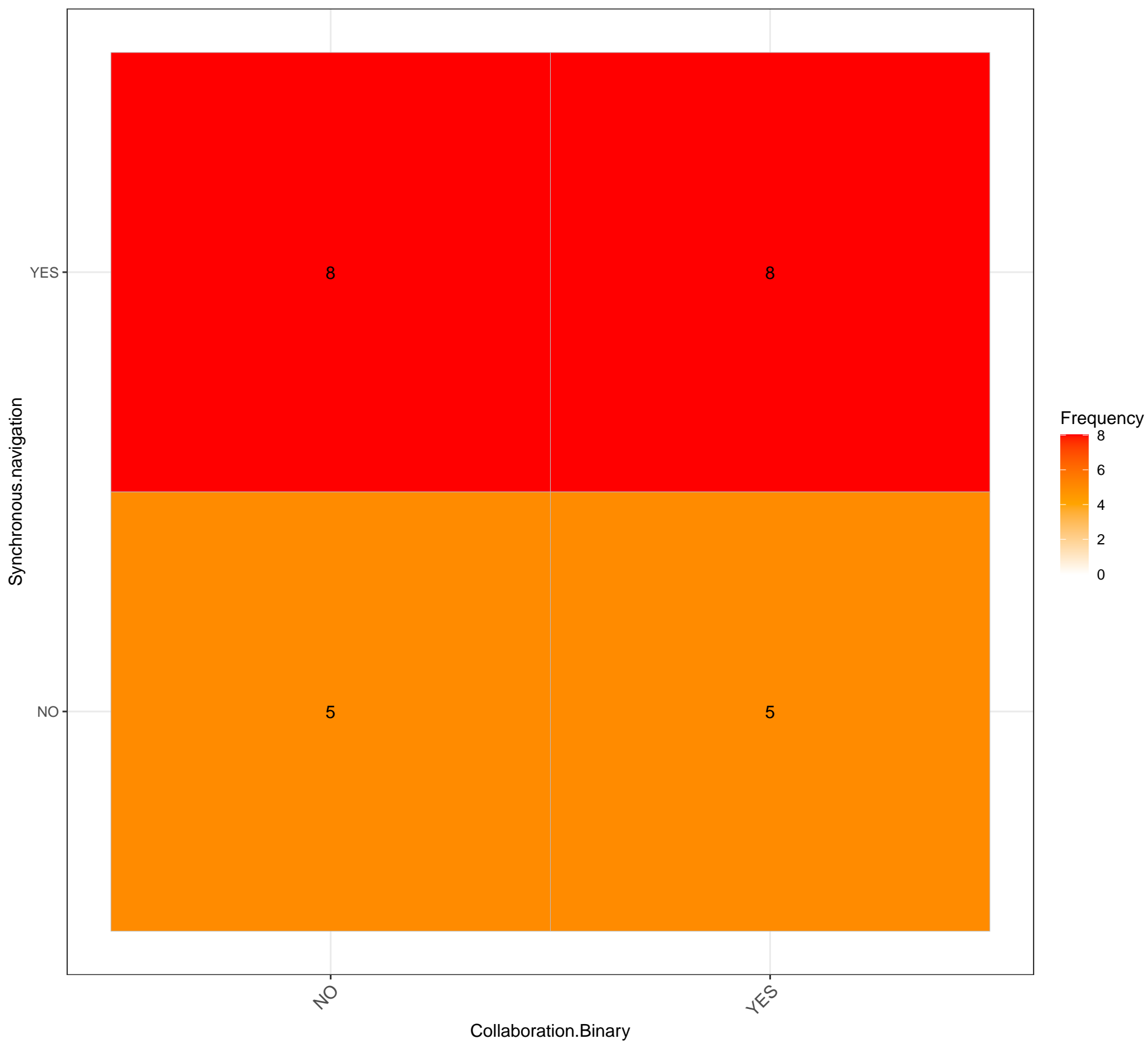
Synchronous.navigation_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.9357, p= 0.9357)



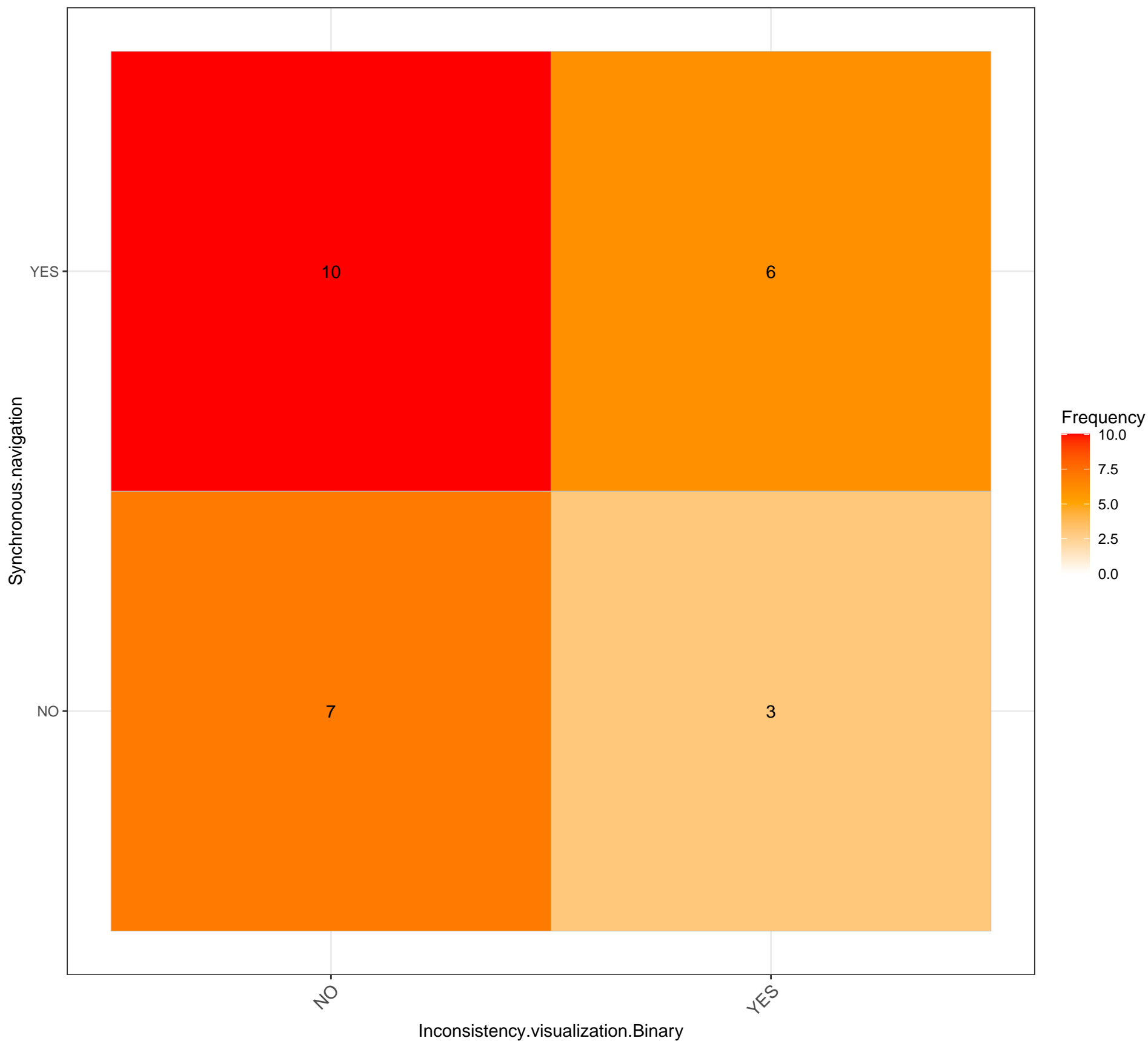
Synchronous.navigation_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.4862, p= 0.4862)



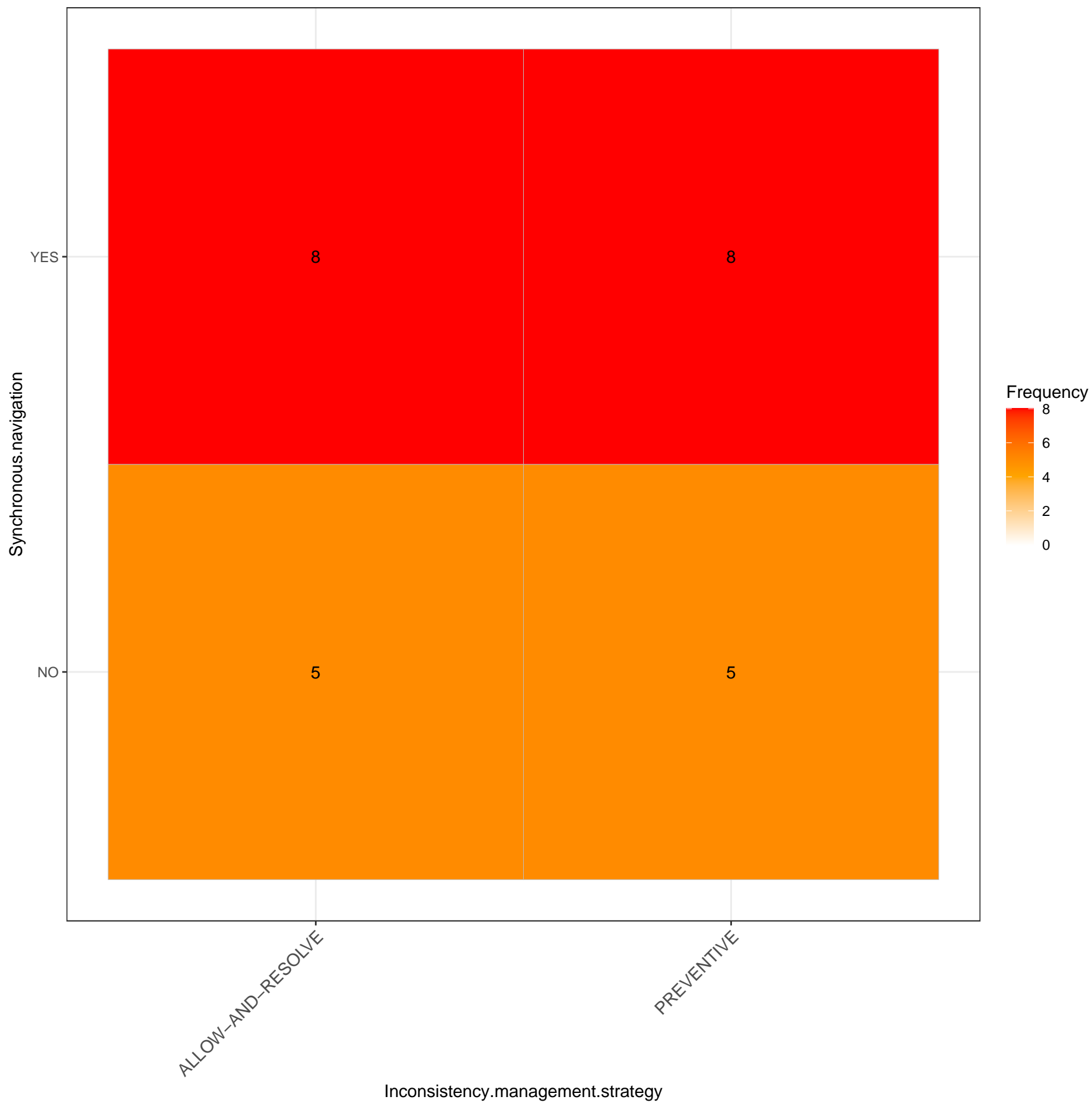
Synchronous.navigation____Collaboration.Binary (Chi sq w/ Yates p= 1, p= 1)



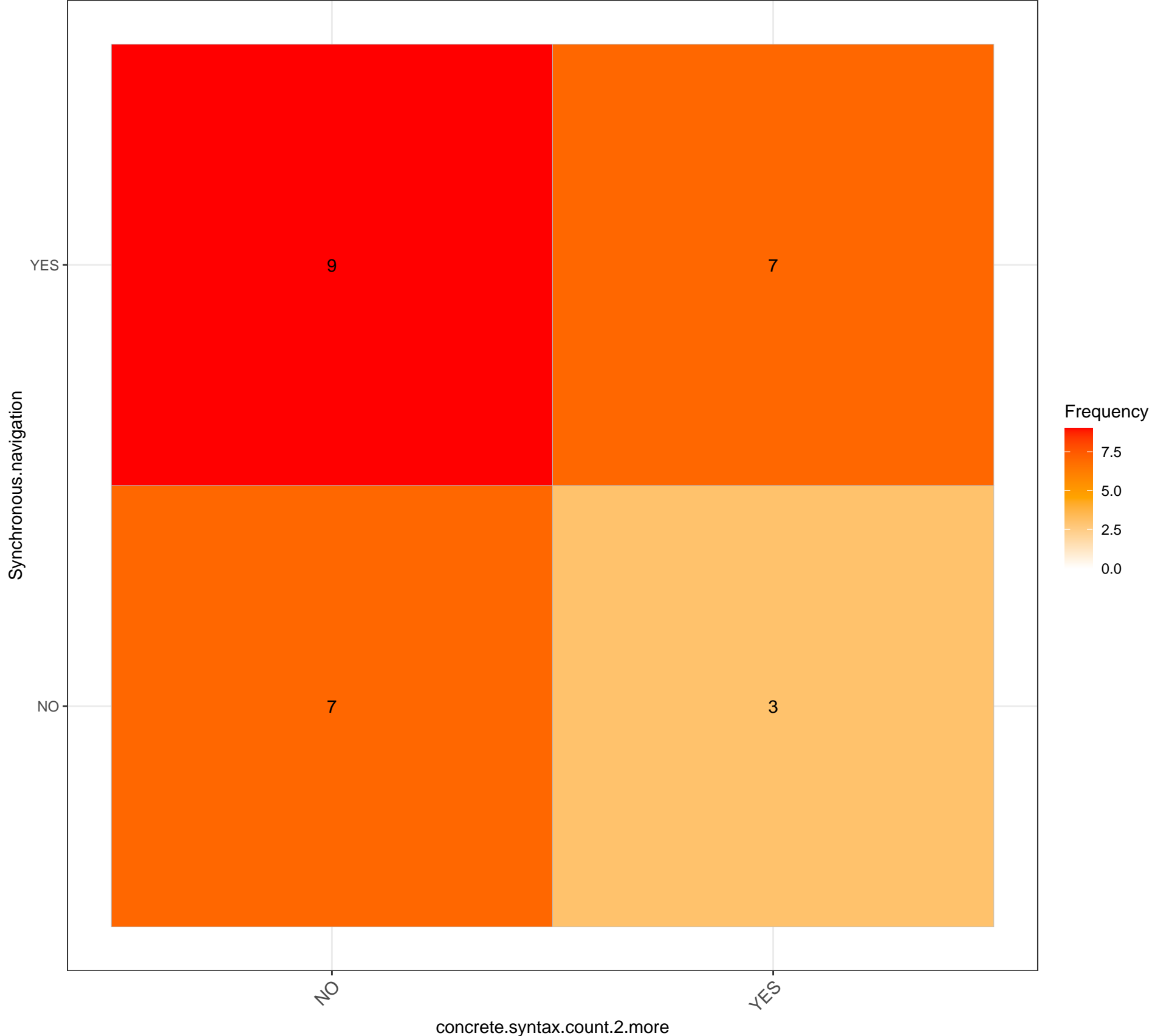
Synchronous.navigation_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 1, p= 0.6957)



Synchronous.navigation_____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 1)



Synchronous.navigation____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.7743, p= 0.4832)



Navigation.among.notations_____Flexibility...models (Chi sq w/ Yates p= 1, p= 0.4201)

Navigation.among.notations

IMMEDIATE

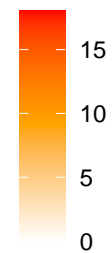
COMPLEX

NO

YES

Flexibility...models

Frequency



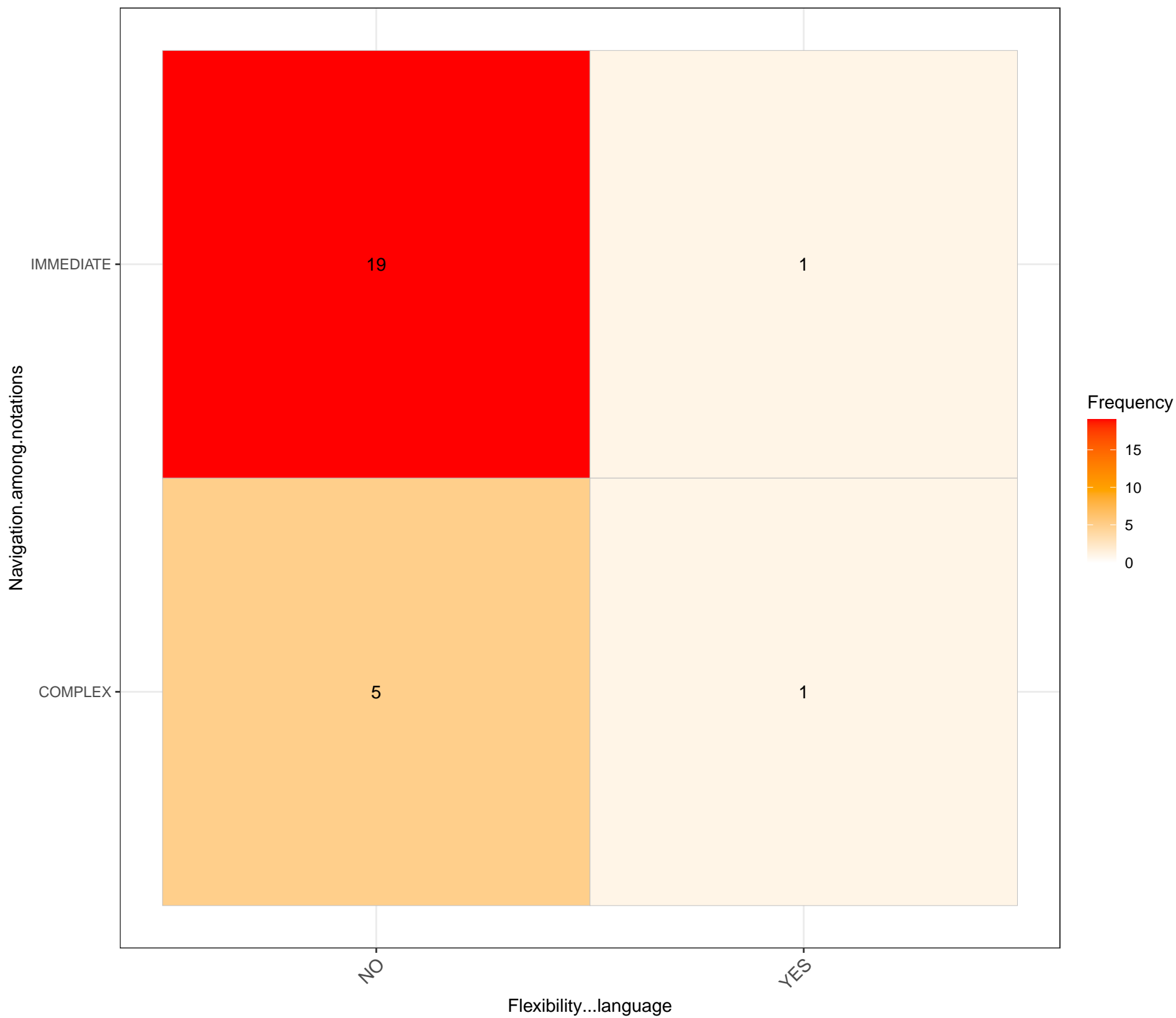
18

2

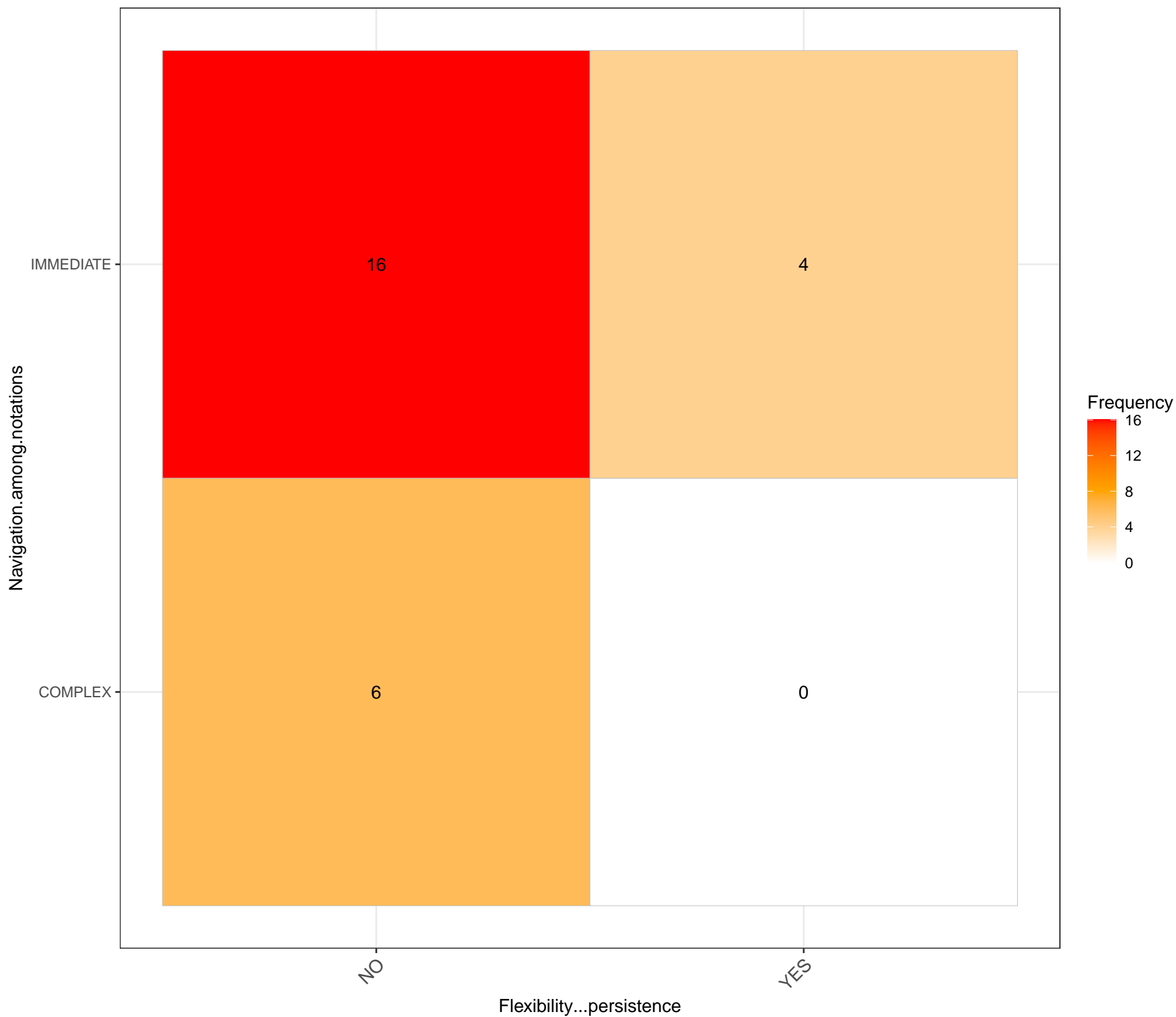
6

0

Navigation.among.notations_____Flexibility...language (Chi sq w/ Yates p= 0.9464, p= 0.3469)



Navigation.among.notations_____Flexibility...persistence (Chi sq w/ Yates p= 0.5852, p= 0.2337)



Navigation.among.notations_____Mapping (Chi sq w/ Yates p= 1, p= 0.9209)

Navigation.among.notations

IMMEDIATE

17

3

COMPLEX

5

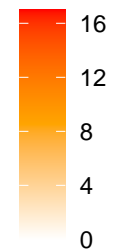
1

PARSER-BASE

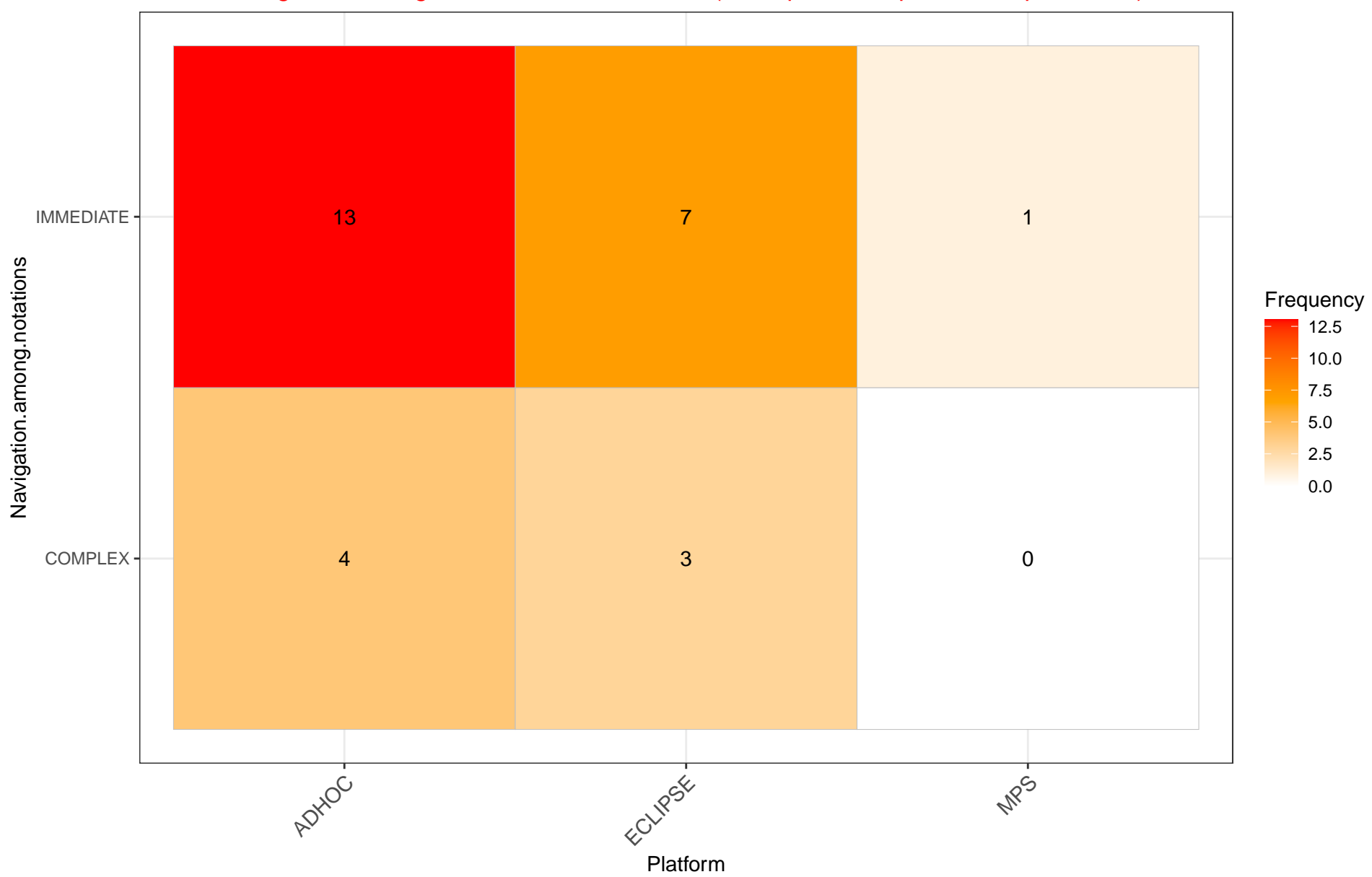
PROJECTIONAL

Mapping

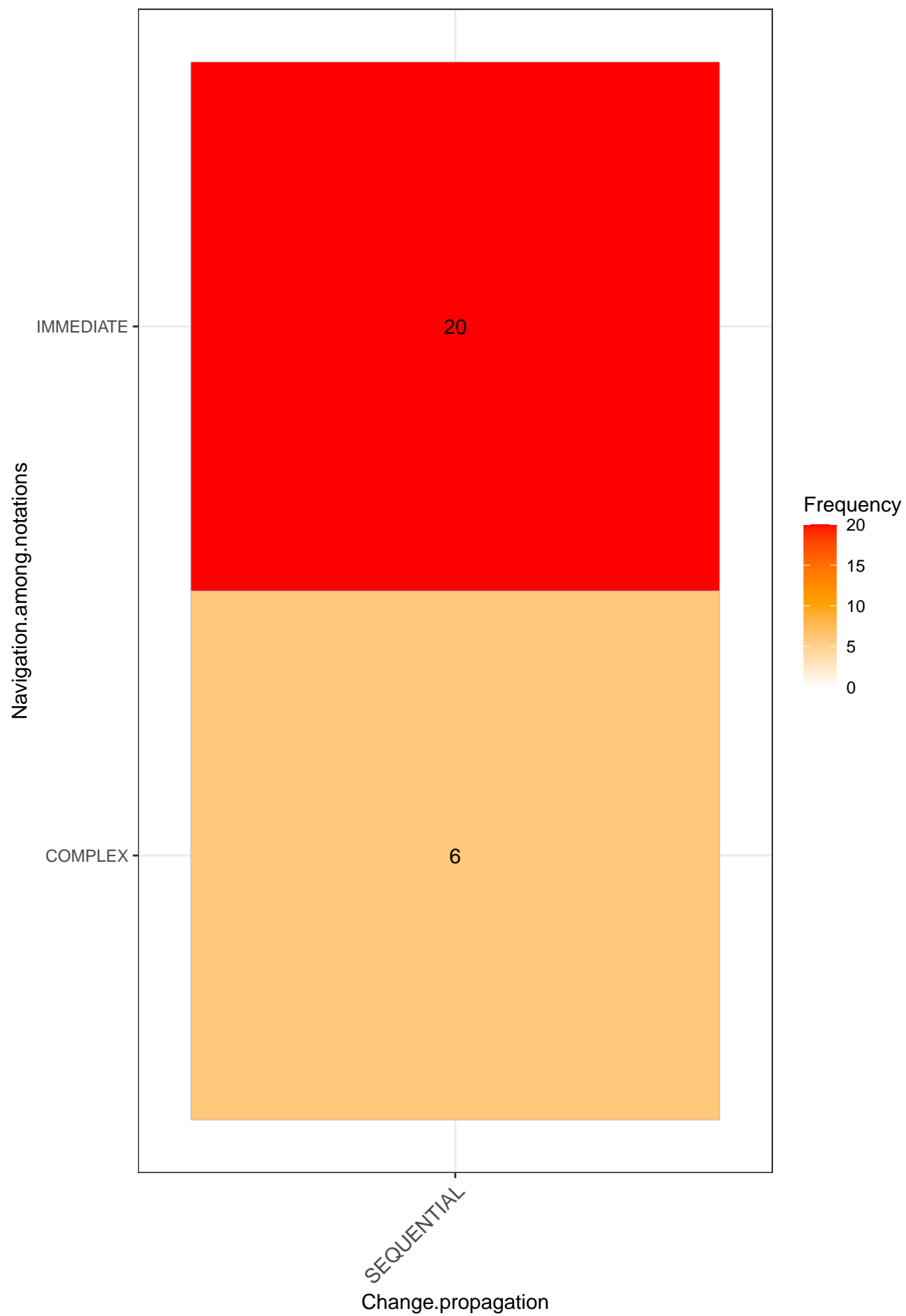
Frequency



Navigation.among.notations____Platform (Chi sq w/ Yates p= 0.7842, p= 0.7842)



Navigation.among.notations_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)



Navigation.among.notations_____Traceability (Chi sq w/ Yates p= 1, p= 0.9102)

Navigation.among.notations

IMMEDIATE

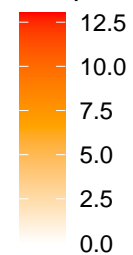
COMPLEX

NO

YES

Traceability

Frequency



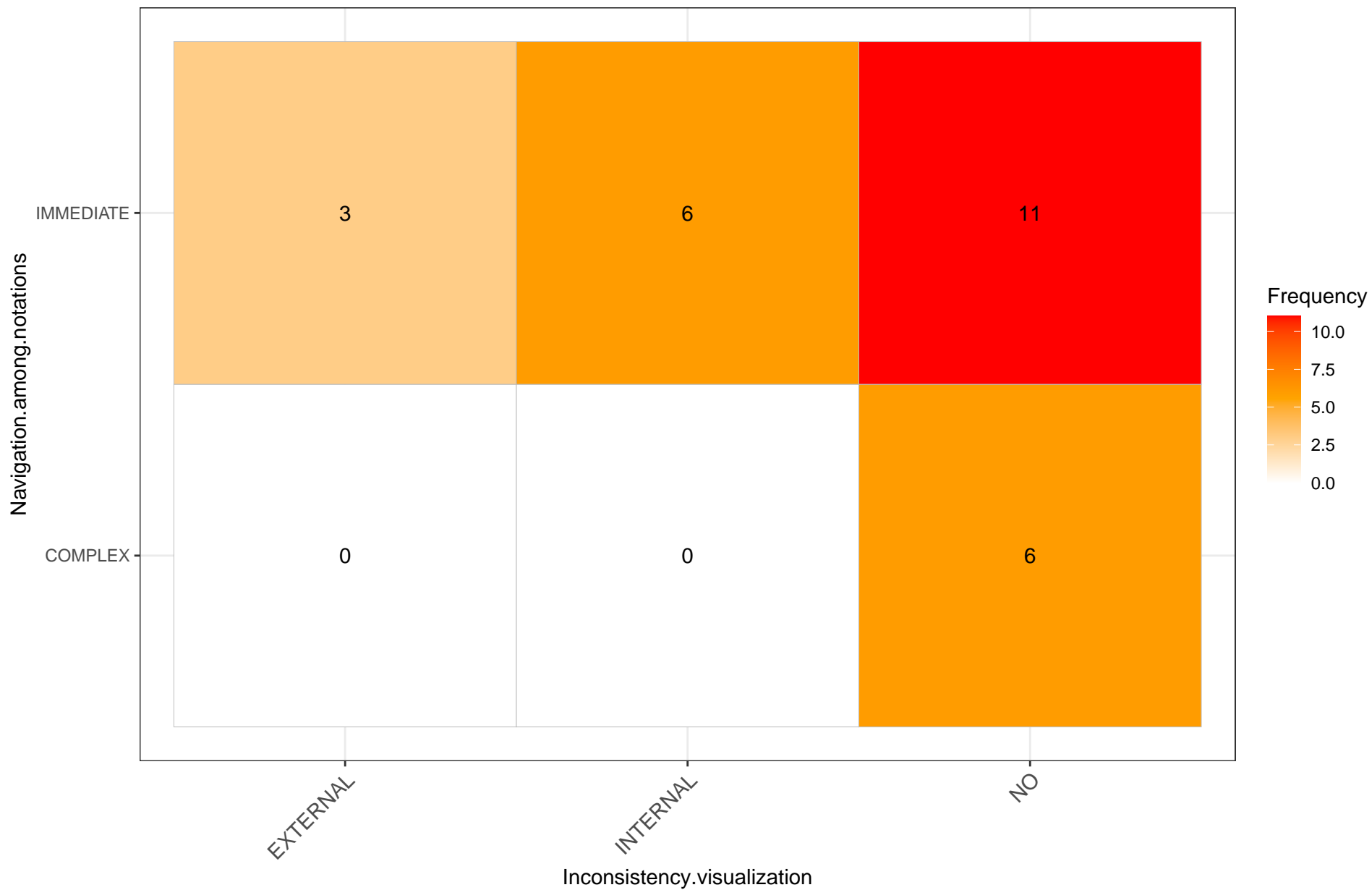
13

3

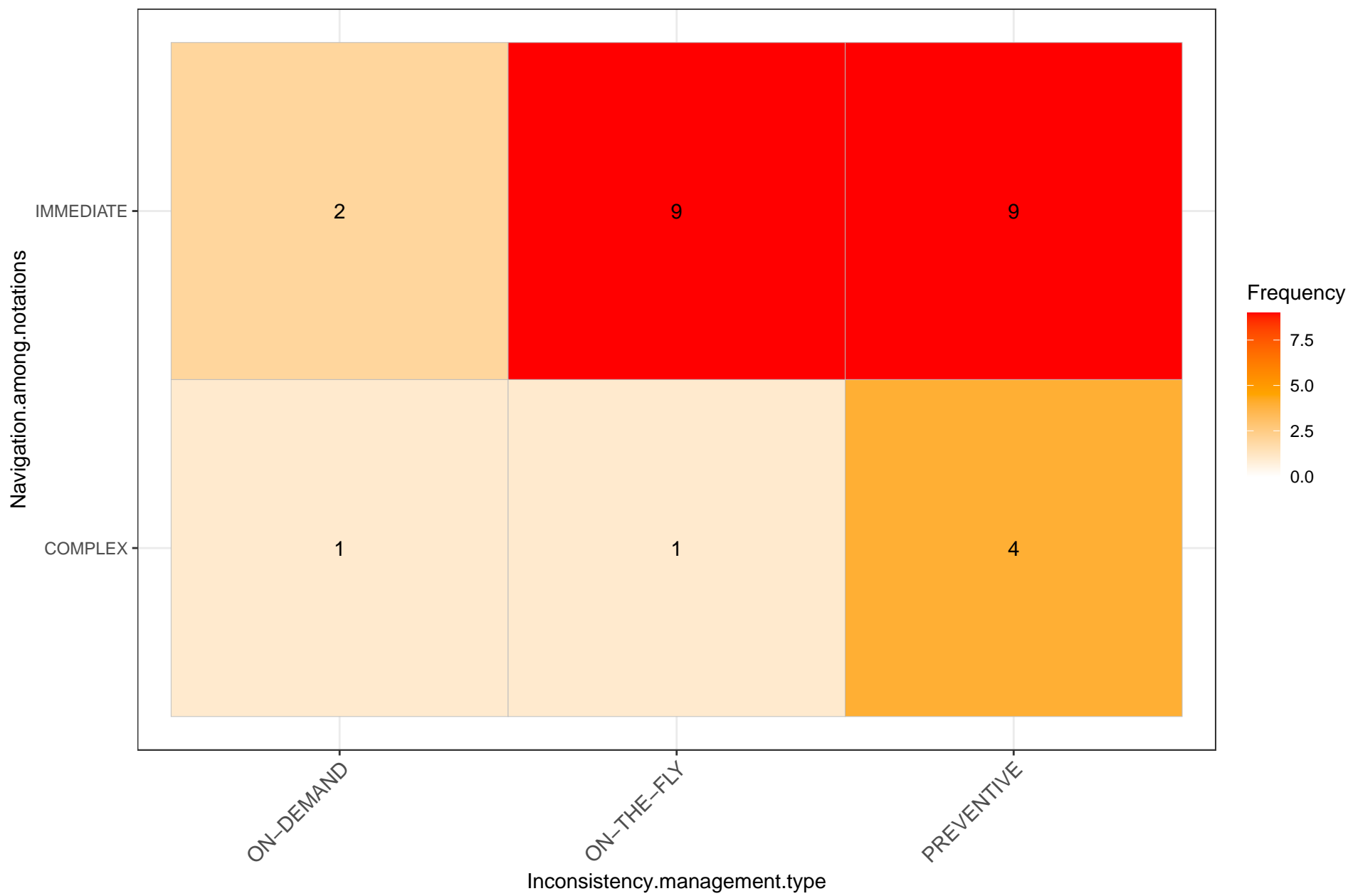
5

1

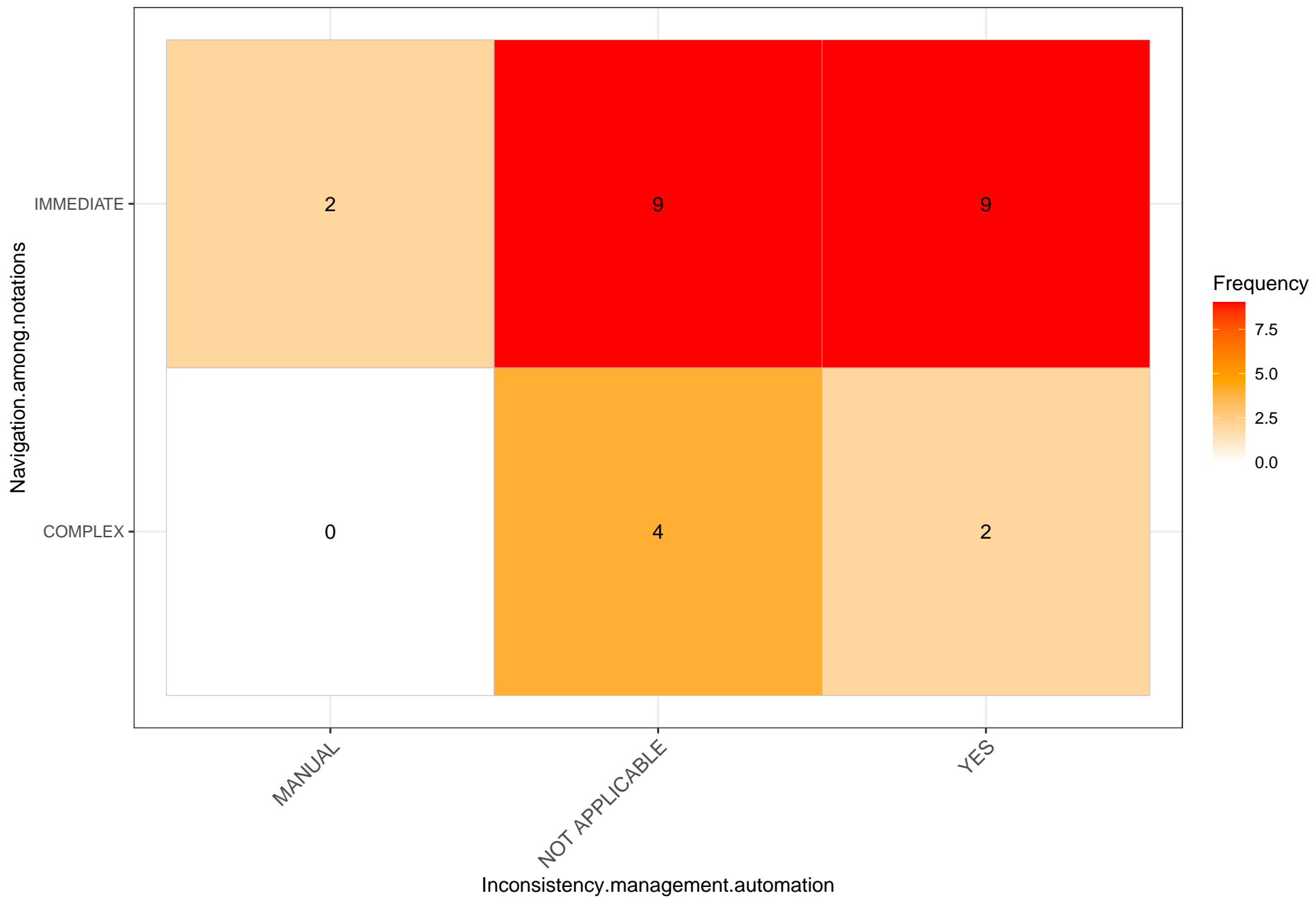
Navigation.among.notations____Inconsistency.visualization (Chi sq w/ Yates p= 0.1269, p= 0.1269)



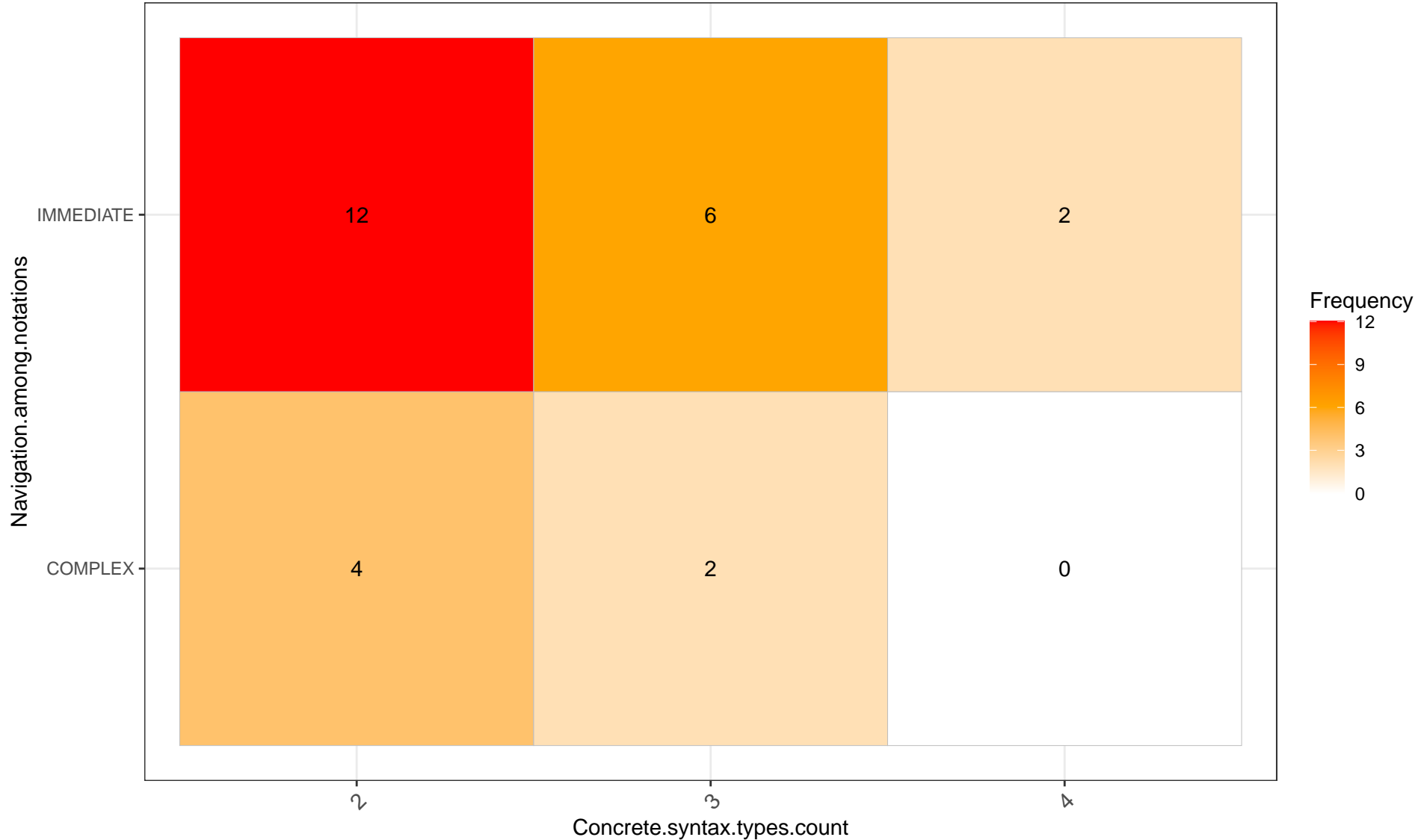
Navigation.among.notations_____Inconsistency.management.type (Chi sq w/ Yates p= 0.4551, p= 0.4551)



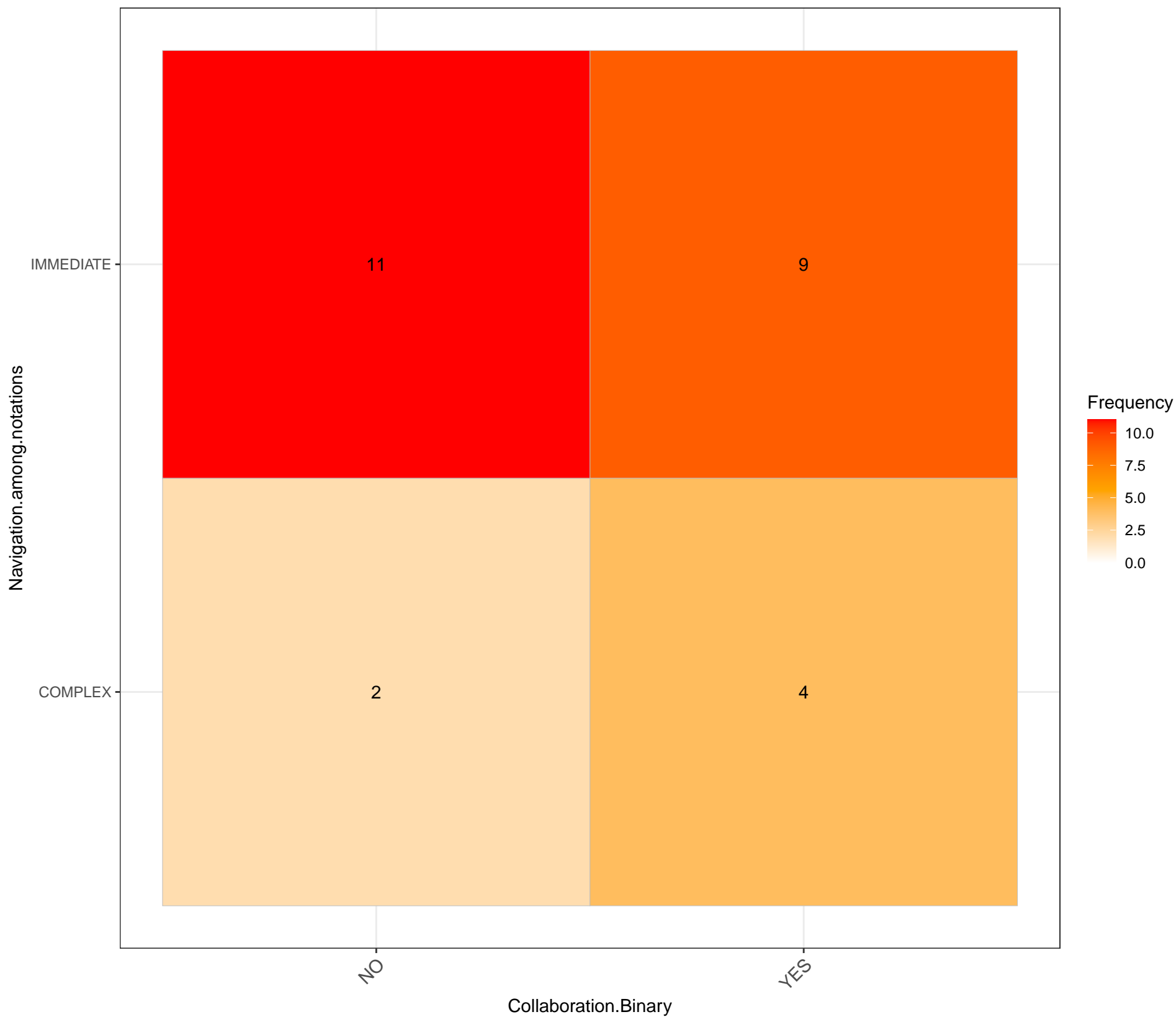
Navigation.among.notations____Inconsistency.management.automation (Chi sq w/ Yates p= 0.5538, p= 0.5538)



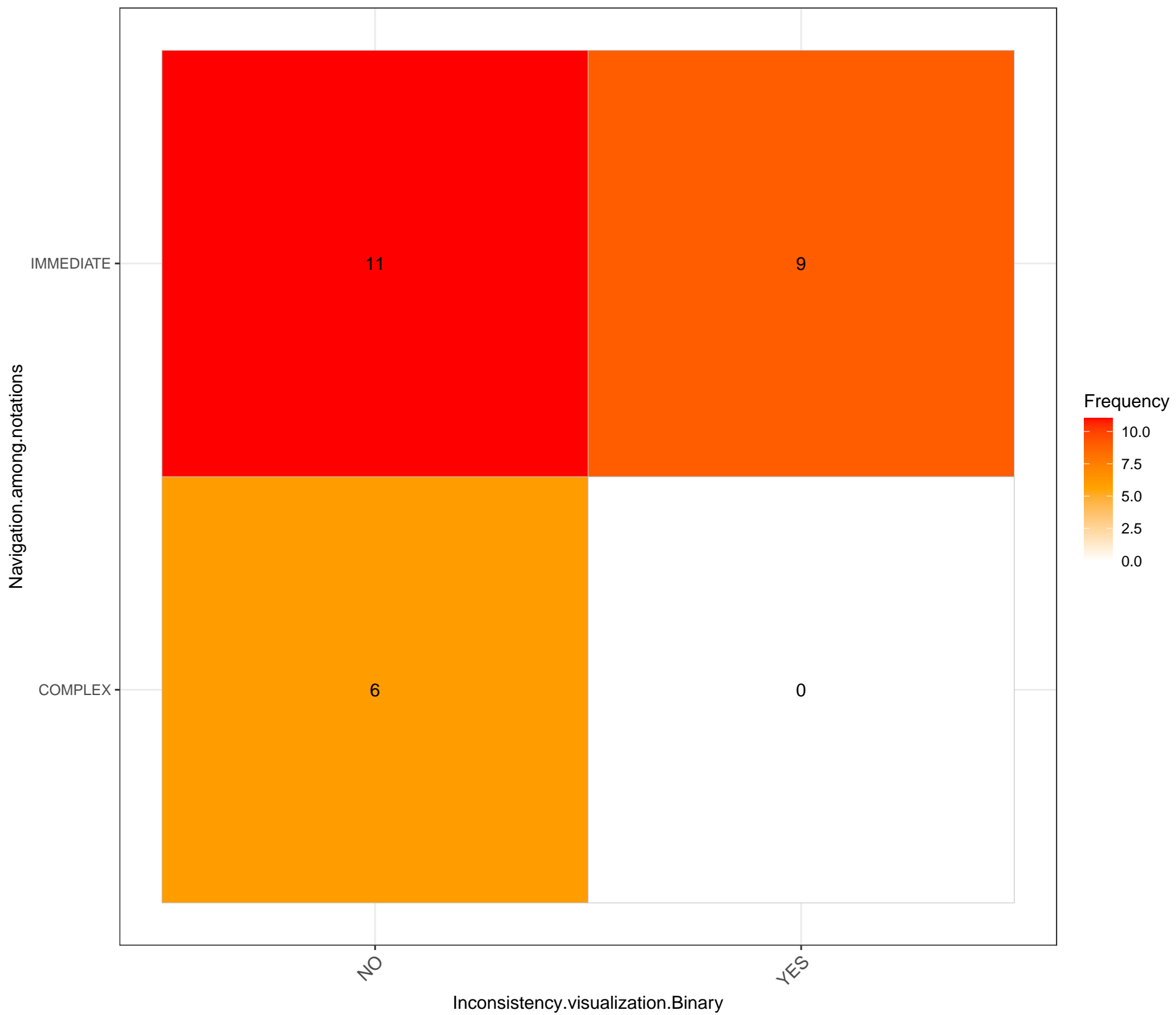
Navigation.among.notations_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.7225, p= 0.7225)



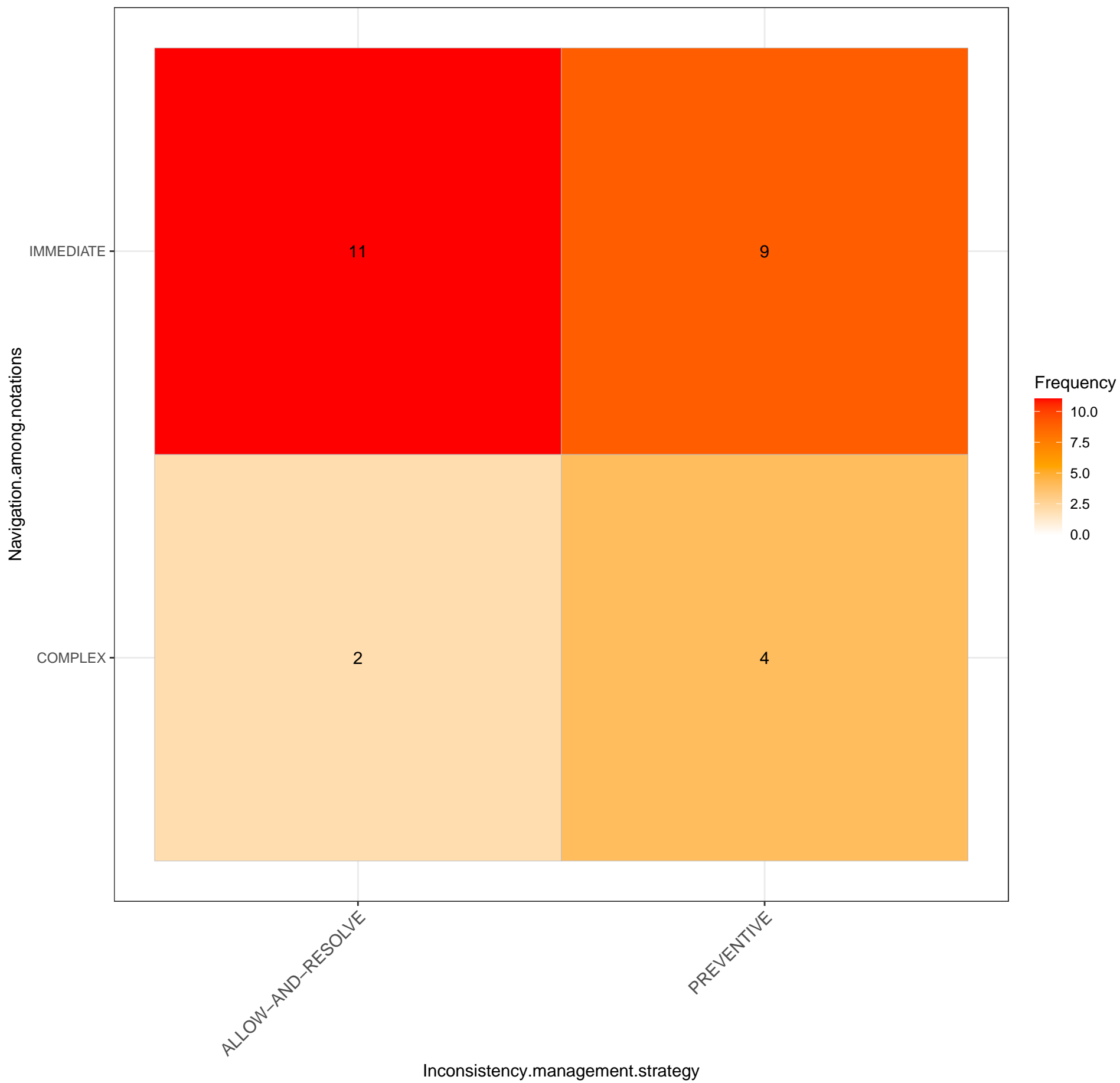
Navigation.among.notations____Collaboration.Binary (Chi sq w/ Yates p= 0.6416, p= 0.3519)



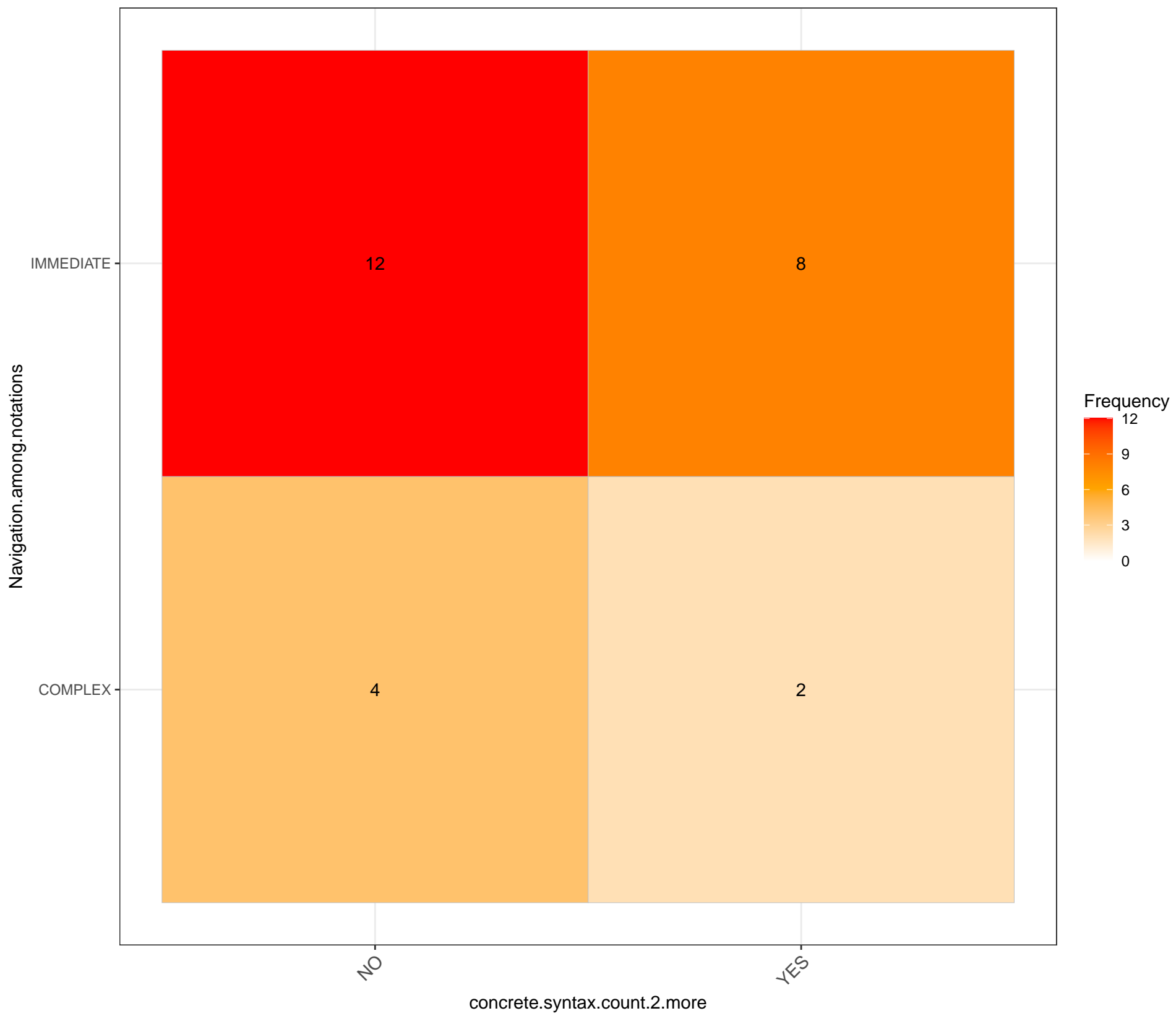
Navigation.among.notations_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.1229, p= 0.0421)



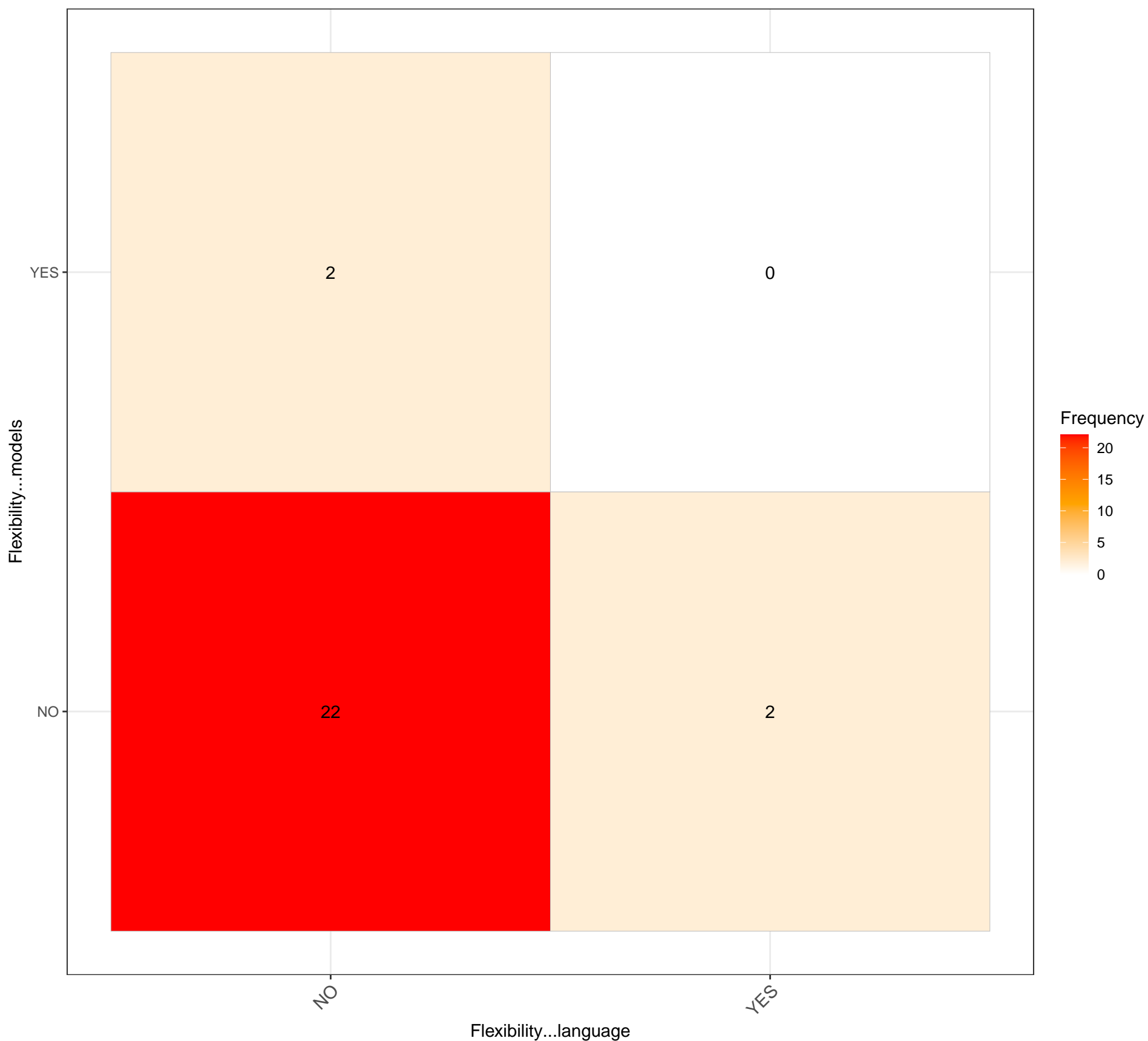
Navigation.among.notations_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.6416, p= 0.3519)



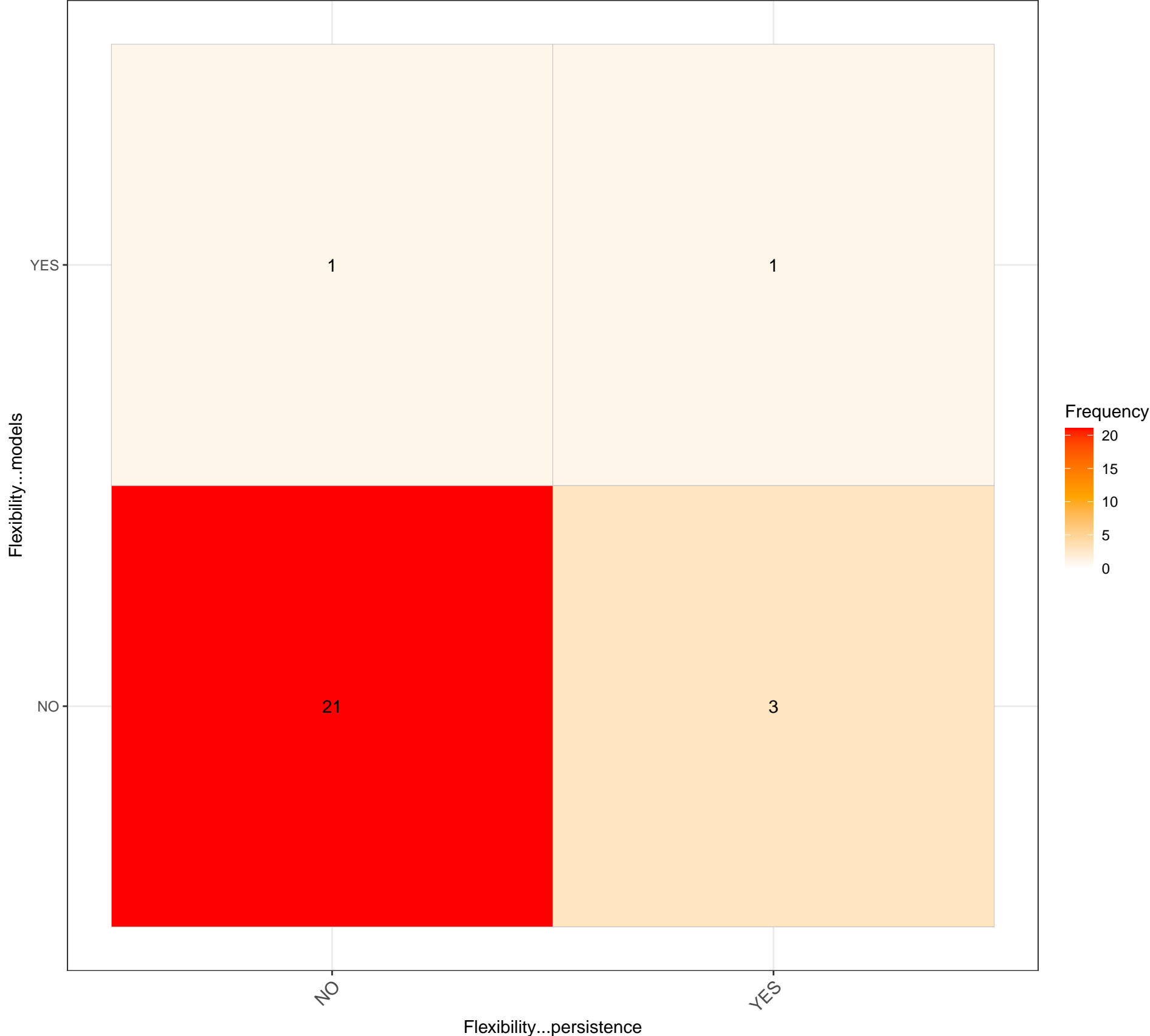
Navigation.among.notations_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 1, p= 0.7685)



Flexibility...models_____Flexibility...language (Chi sq w/ Yates p= 1, p= 0.6709)



Flexibility...models_____Flexibility...persistence (Chi sq w/ Yates p= 0.6949, p= 0.1579)



Flexibility...models_____Mapping (Chi sq w/ Yates p= 1, p= 0.5302)

Flexibility...models

YES

2

0

NO

20

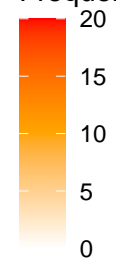
4

PARSER-BASE

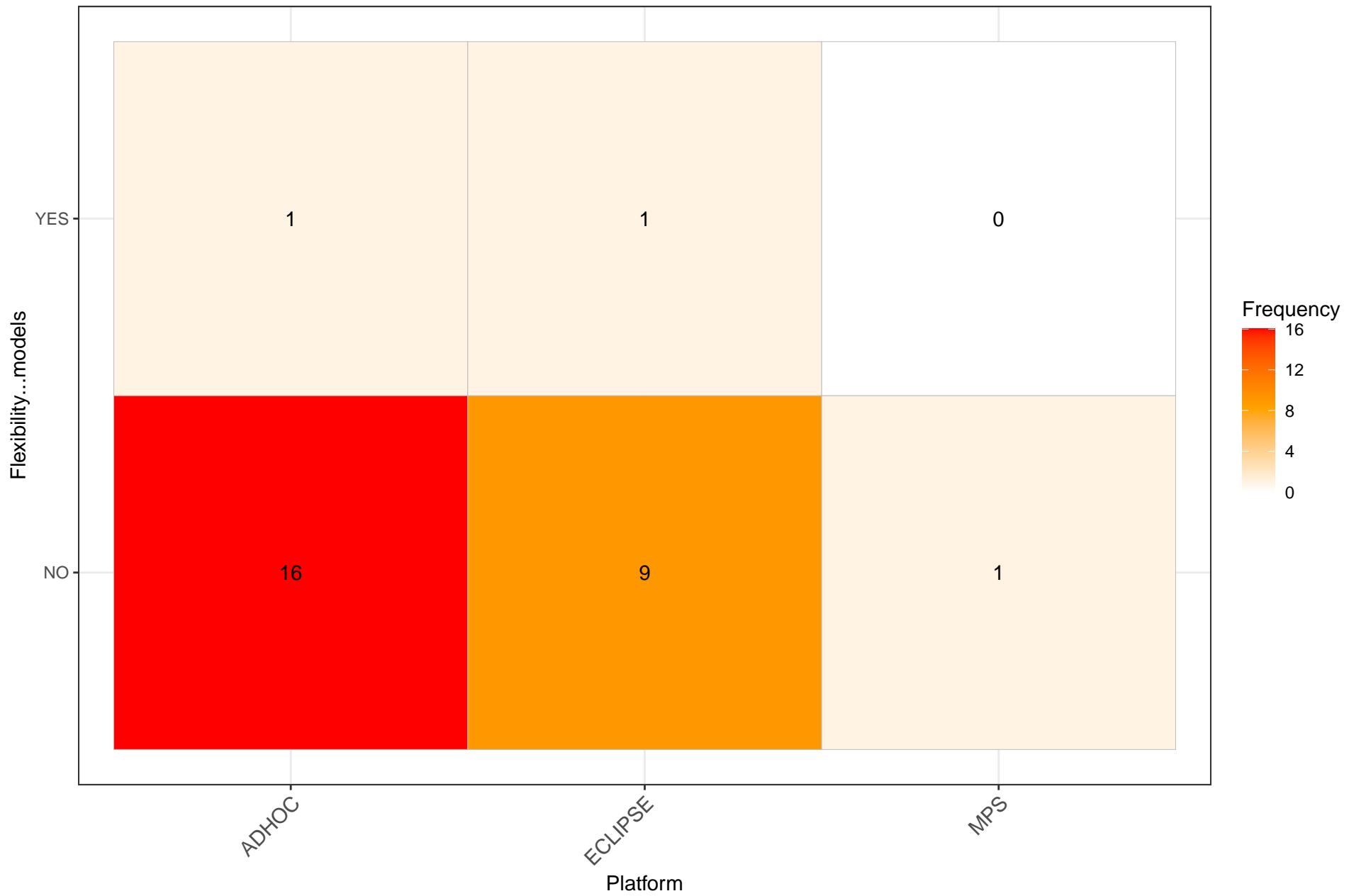
PROJECTIONAL

Mapping

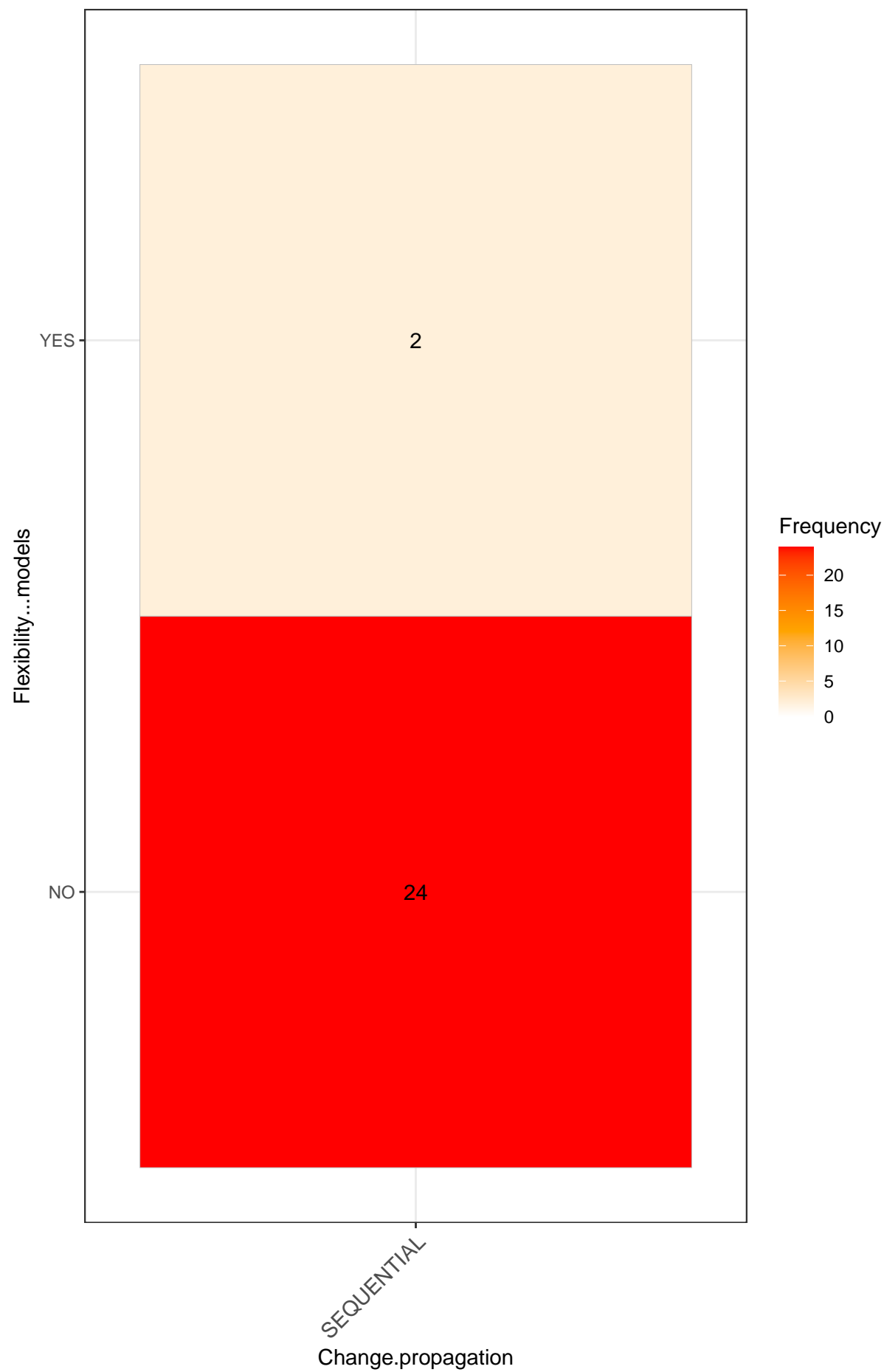
Frequency



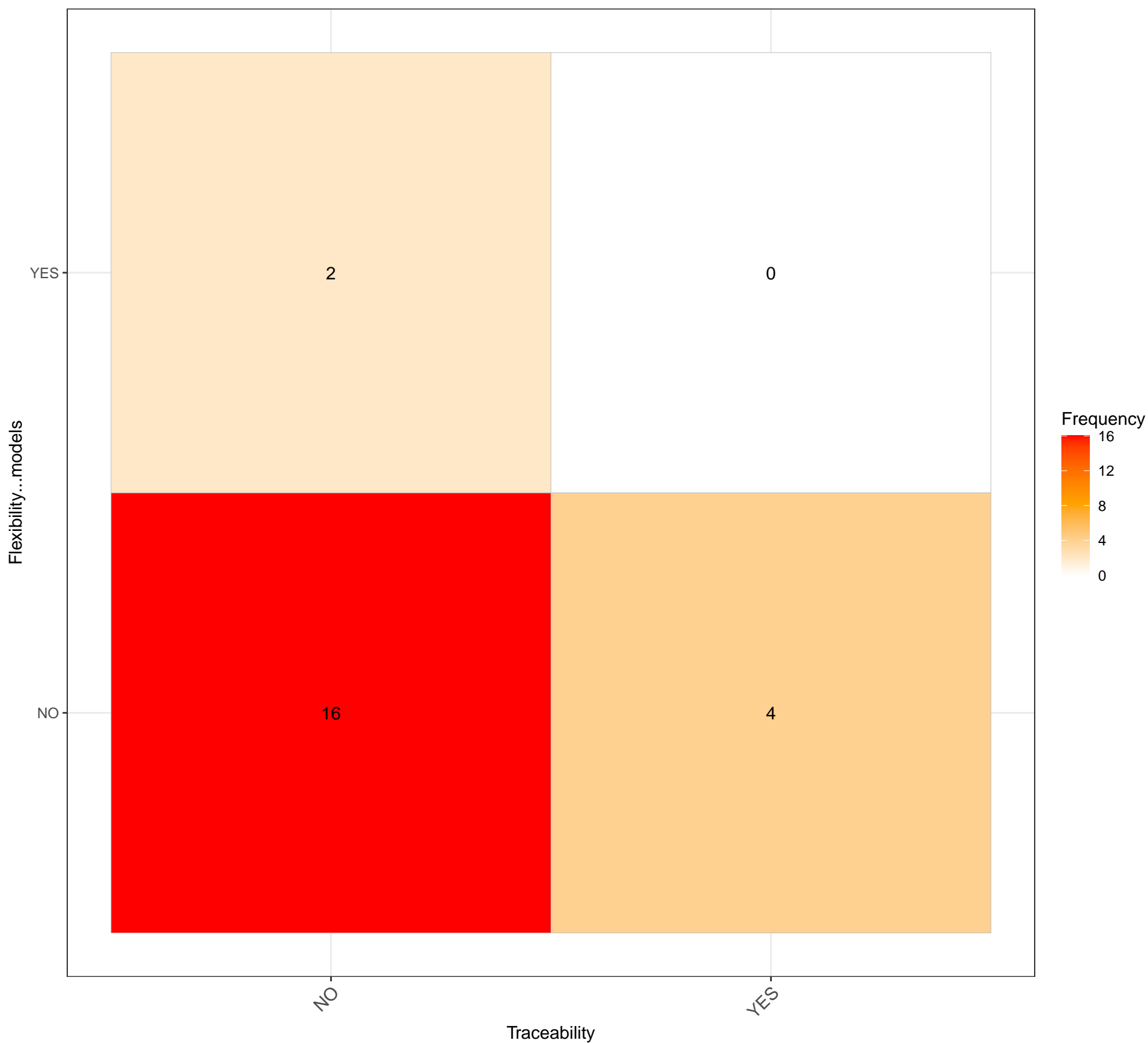
Flexibility...models_____Platform (Chi sq w/ Yates p= 0.8866, p= 0.8866)



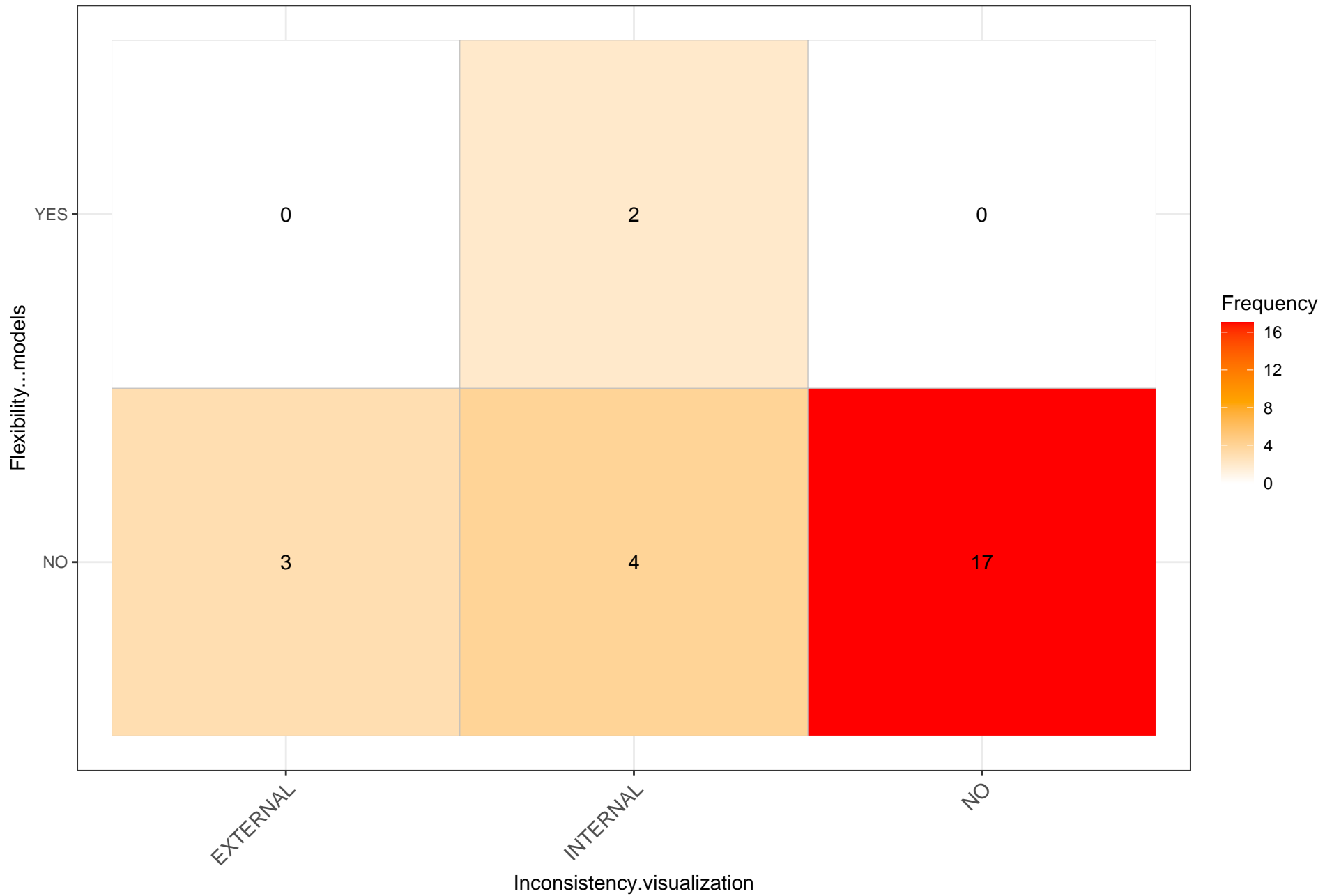
Flexibility...models_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)



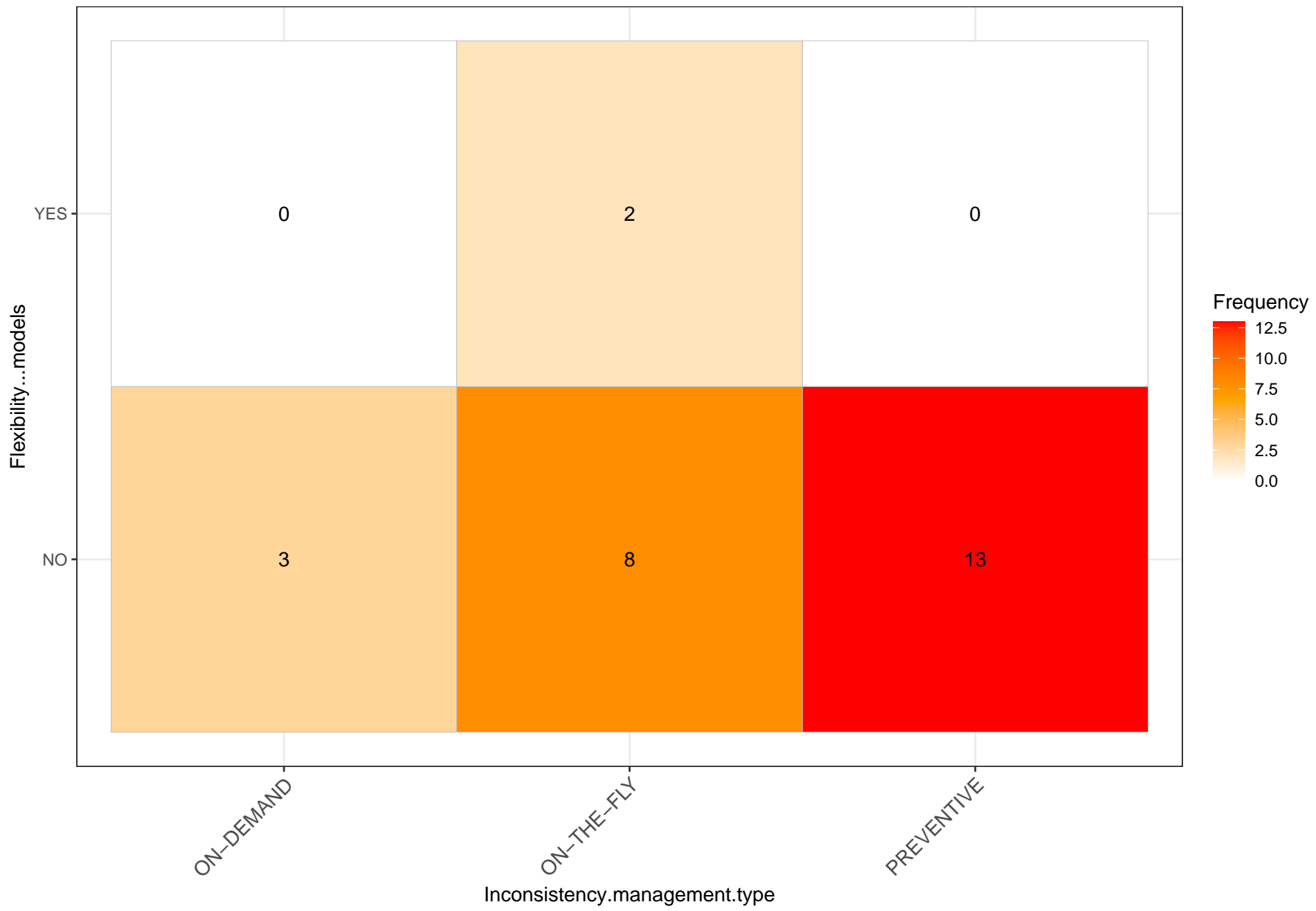
Flexibility...models_____Traceability (Chi sq w/ Yates p= 1, p= 0.4844)



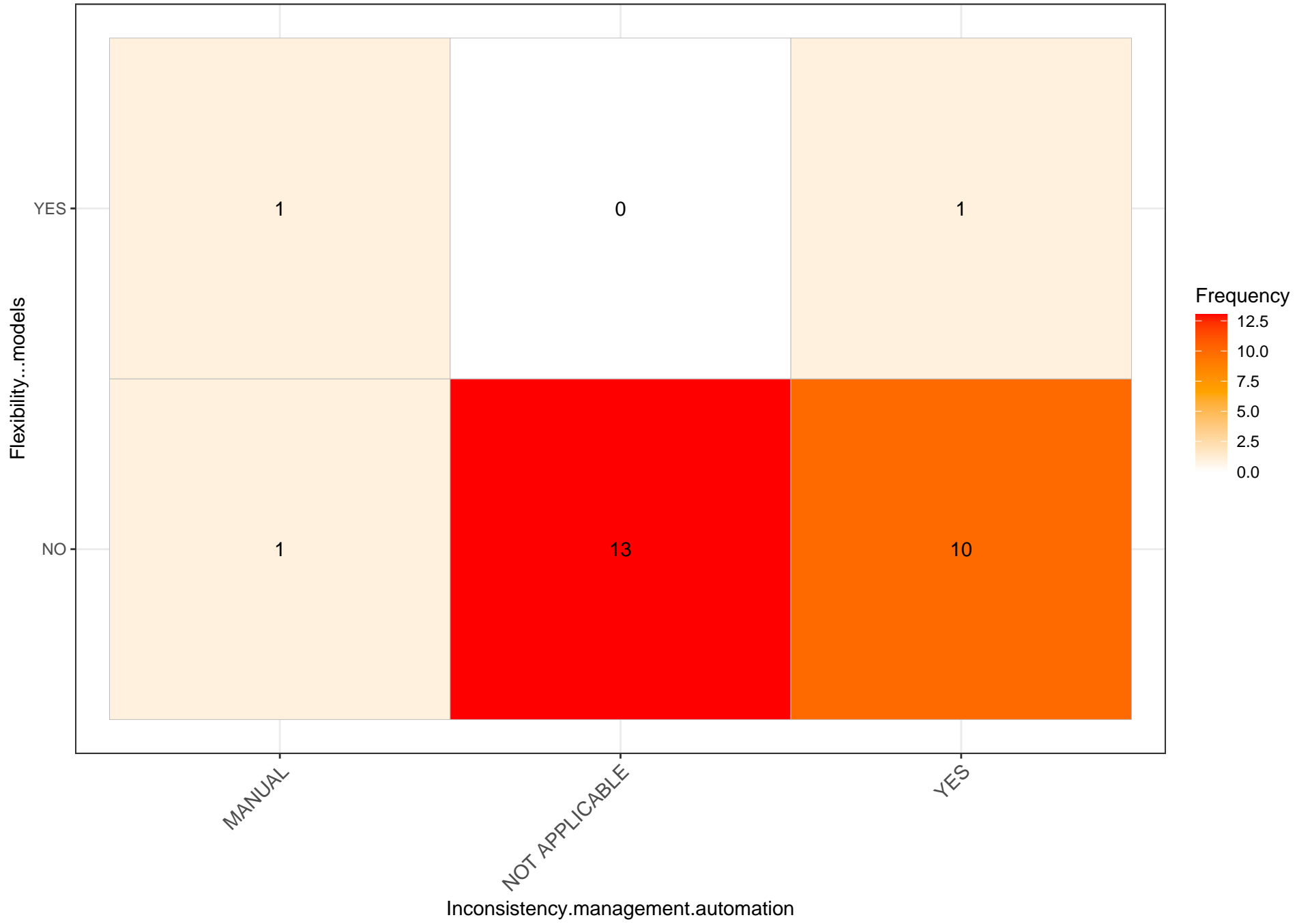
Flexibility...models_____Inconsistency.visualization (Chi sq w/ Yates p= 0.027, p= 0.027)



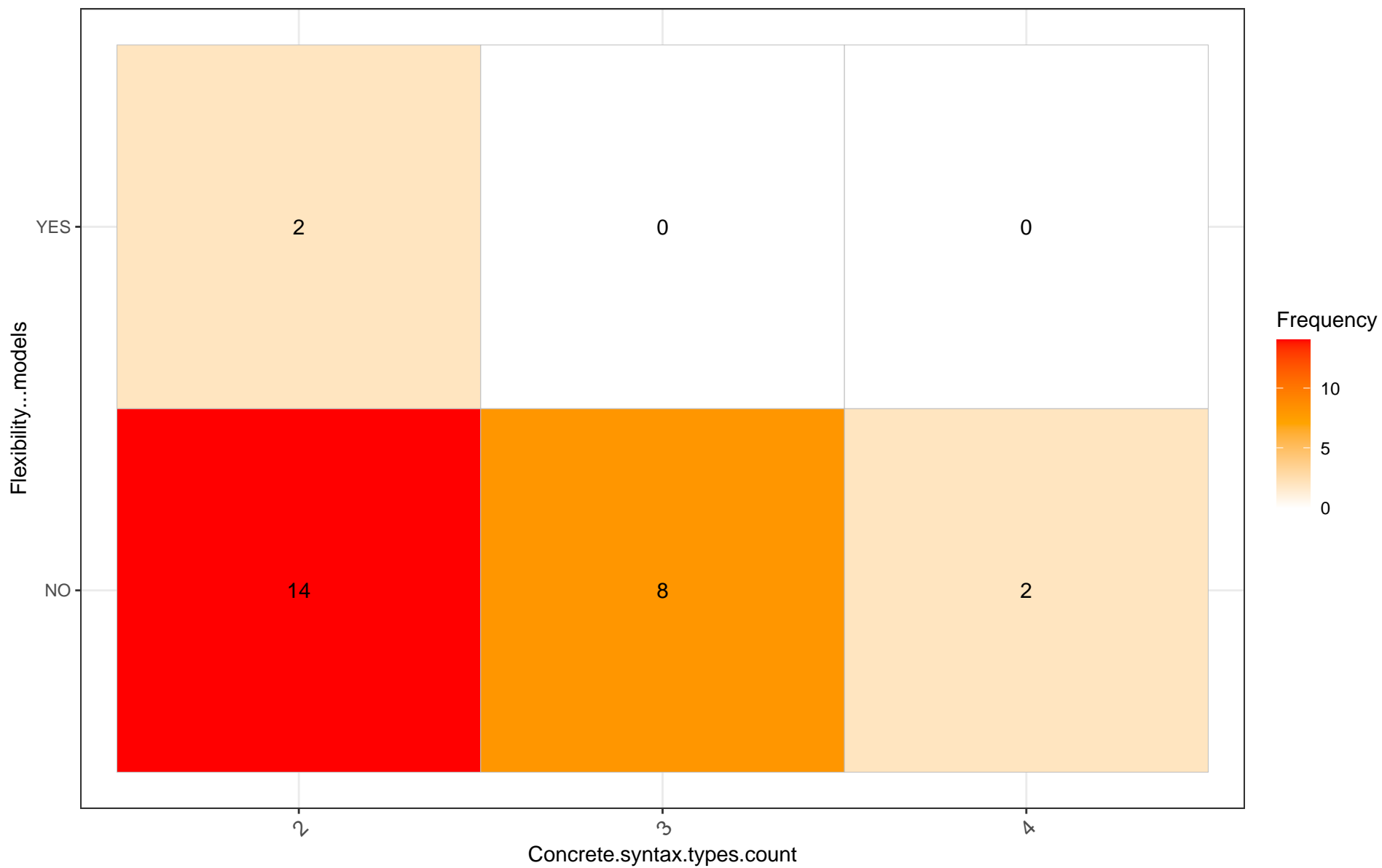
Flexibility...models_____Inconsistency.management.type (Chi sq w/ Yates p= 0.1767, p= 0.1767)



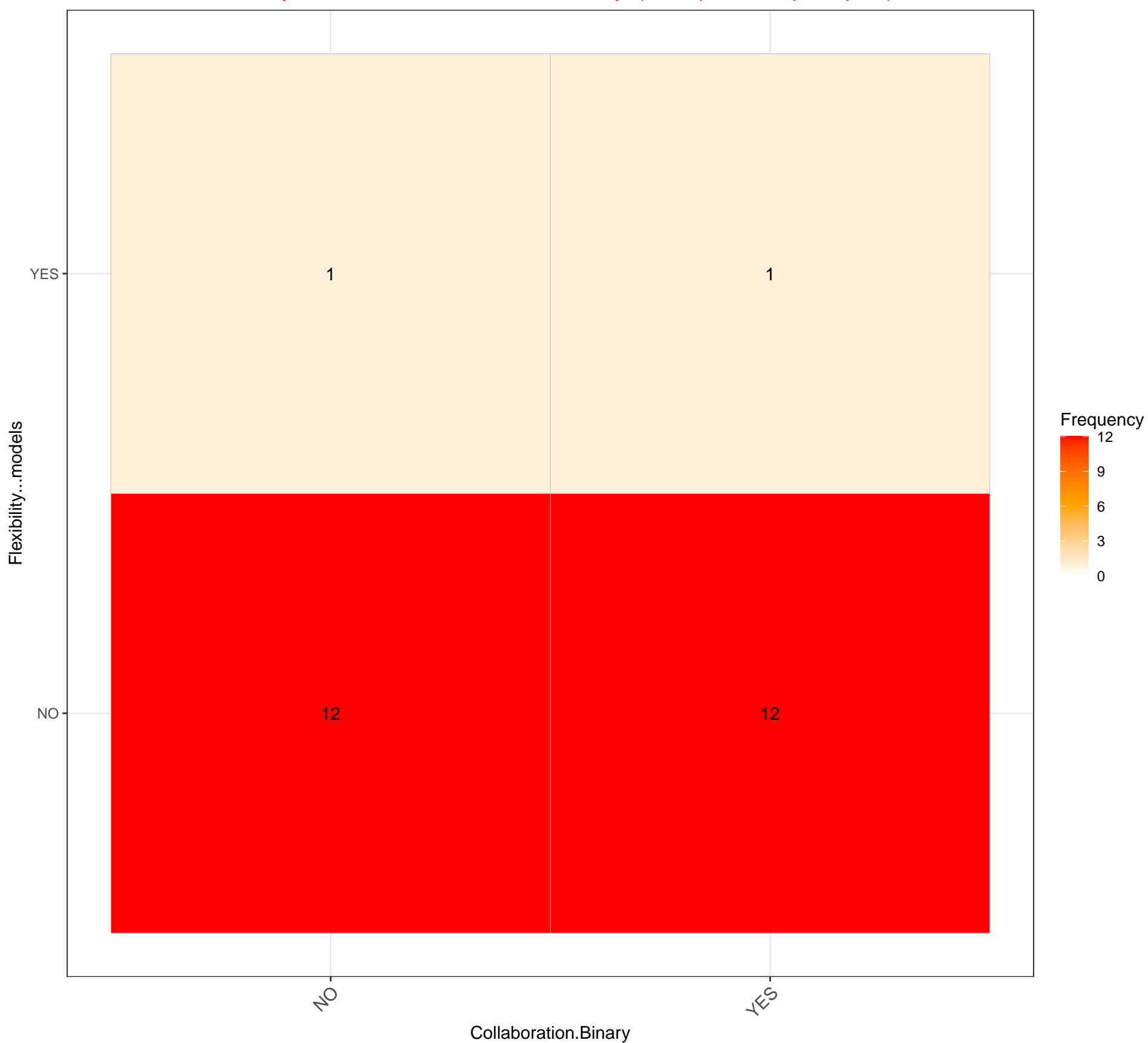
Flexibility...models_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.0461, p= 0.0461)



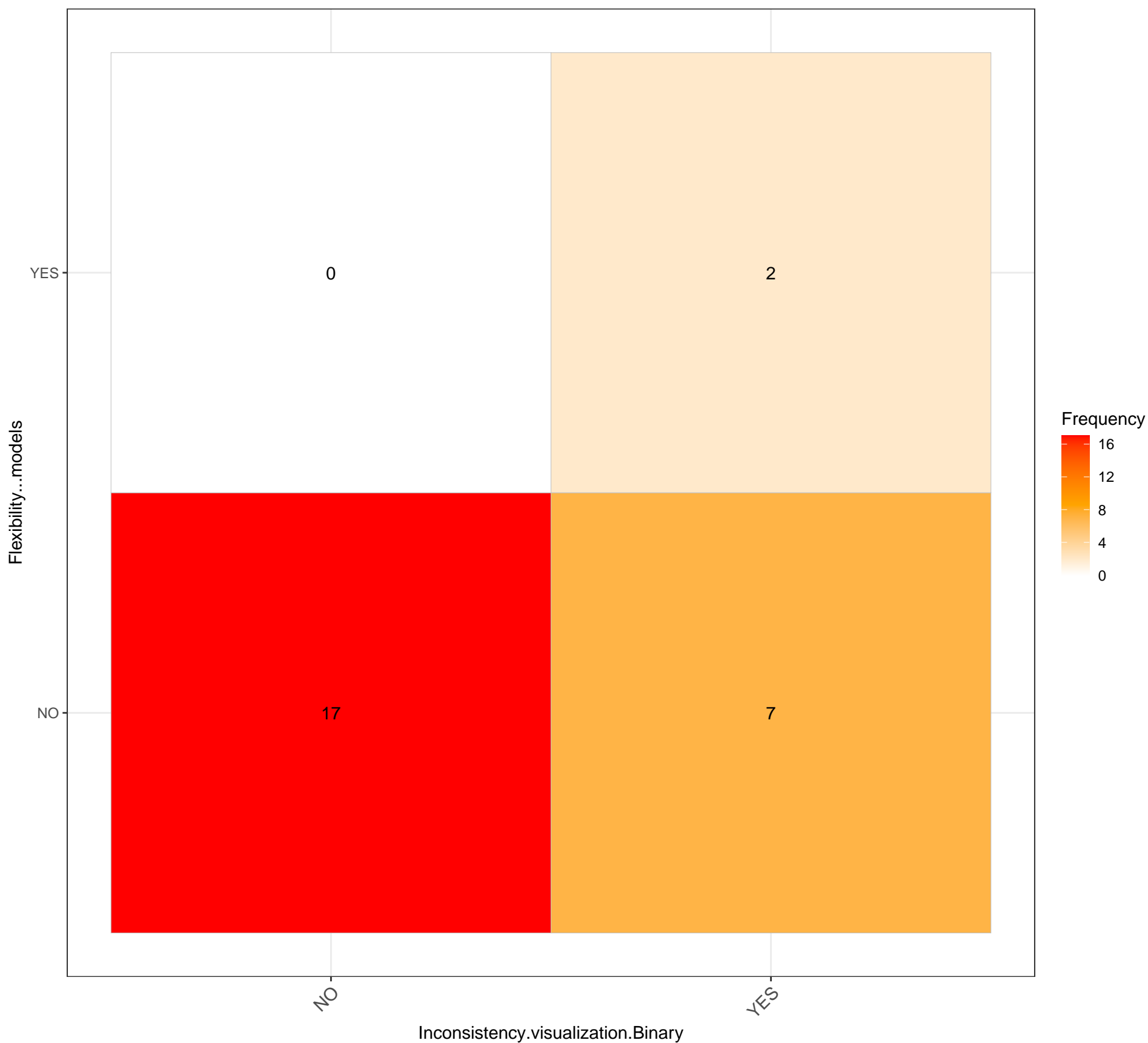
Flexibility...models_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.5081, p= 0.5081)



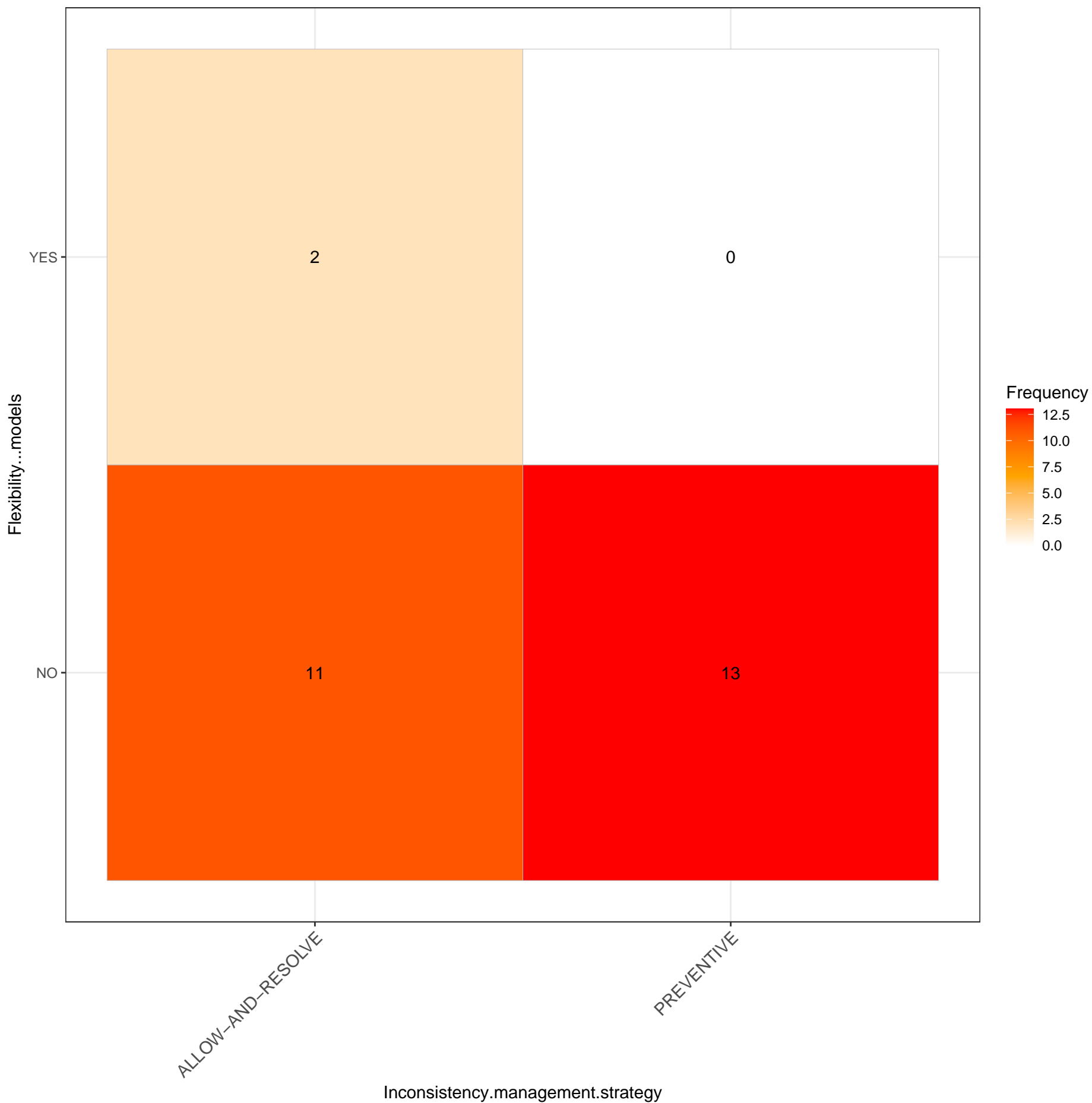
Flexibility...models____Collaboration.Binary (Chi sq w/ Yates p= 1, p= 1)



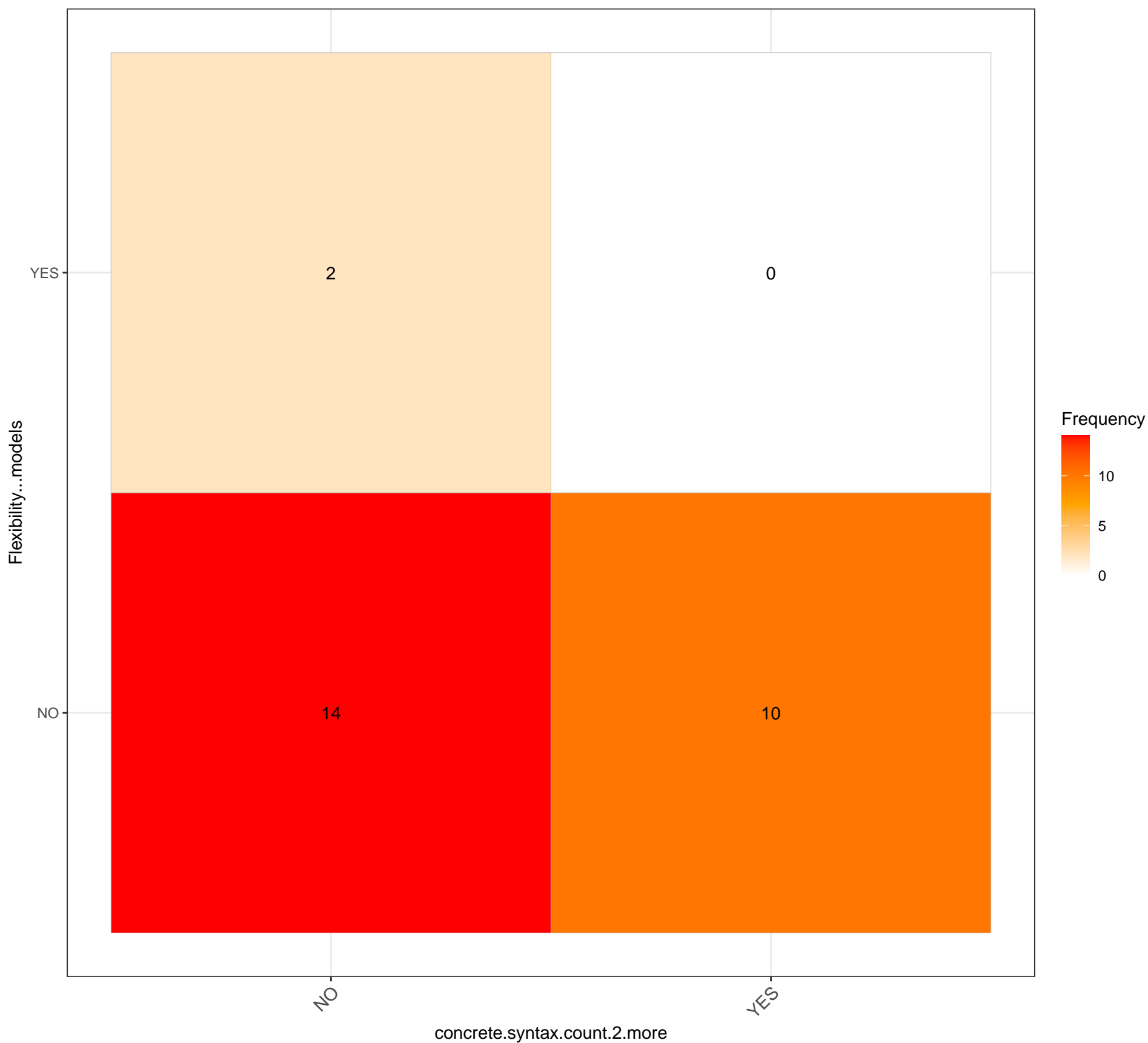
Flexibility...models_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.2115, p= 0.0431)



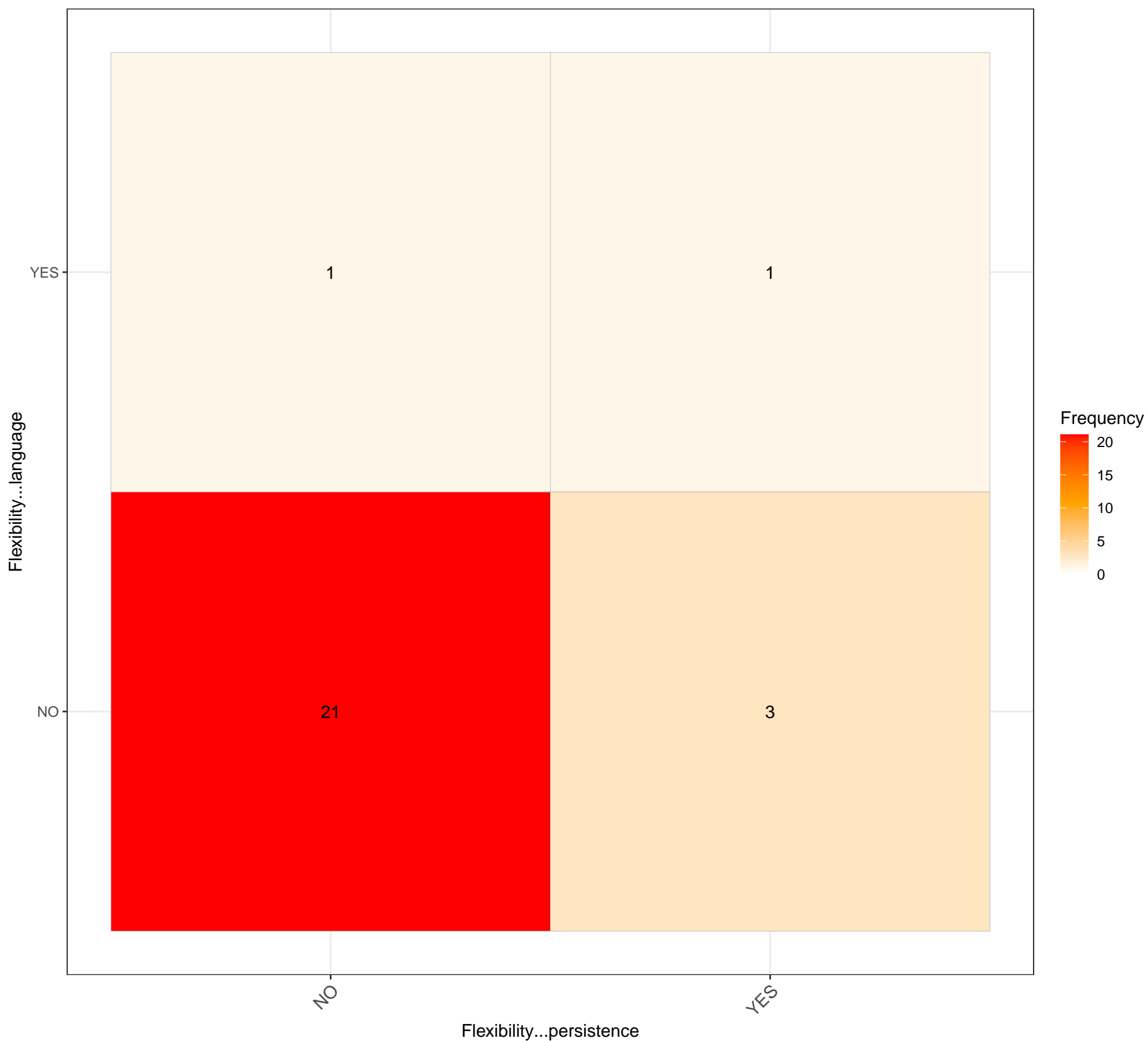
Flexibility...models_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.4617, p= 0.141)



Flexibility...models_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.6838, p= 0.2446)



Flexibility...language_____Flexibility...persistence (Chi sq w/ Yates p= 0.6949, p= 0.1579)



Flexibility...language_____Mapping (Chi sq w/ Yates $p=0.6949$, $p=0.1579$)

Flexibility...language

YES

1

1

NO

21

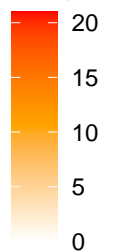
3

PARSER-BASE

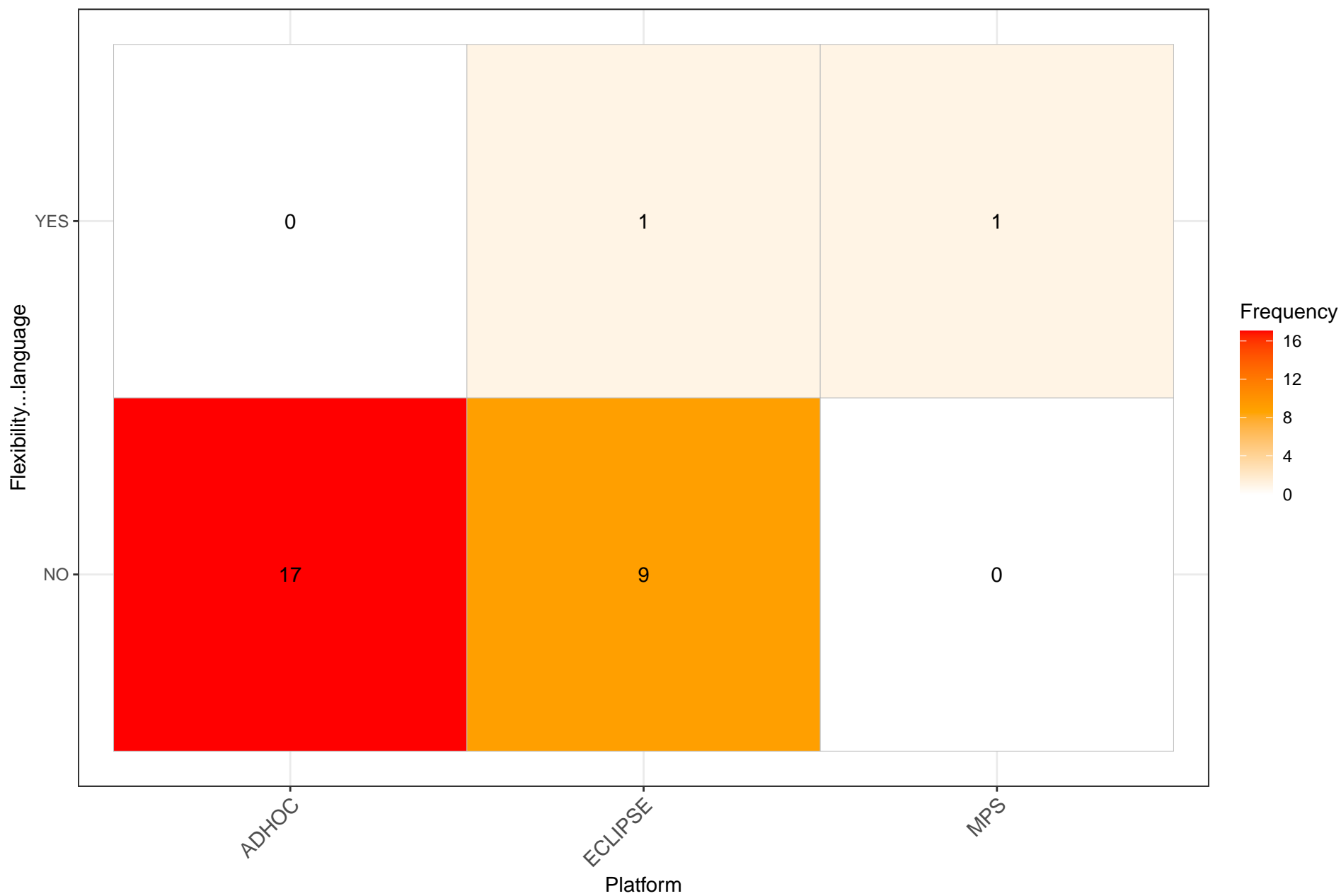
PROJECTIONAL

Mapping

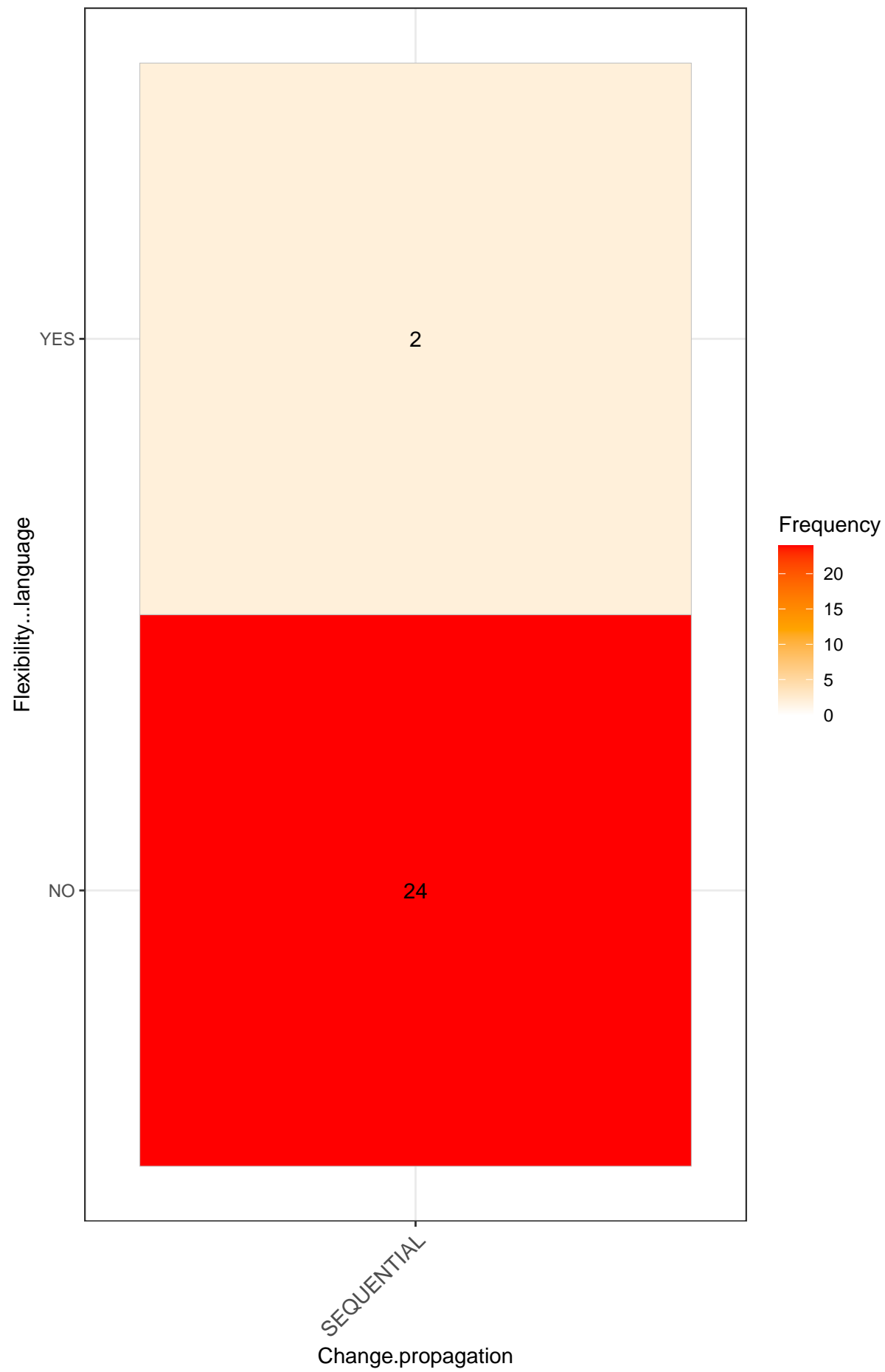
Frequency



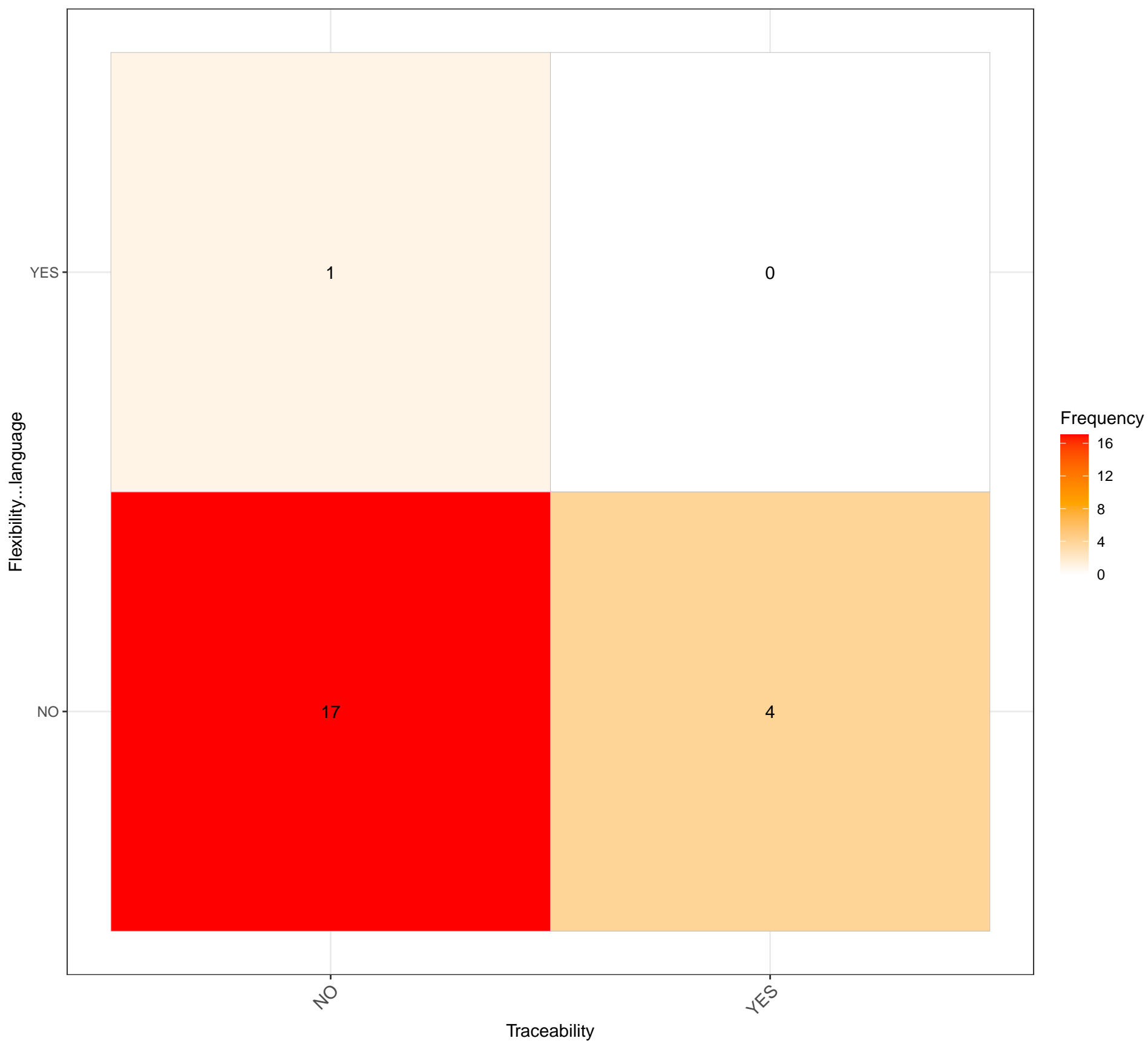
Flexibility...language_____Platform (Chi sq w/ Yates p= 7e-04, p= 7e-04)



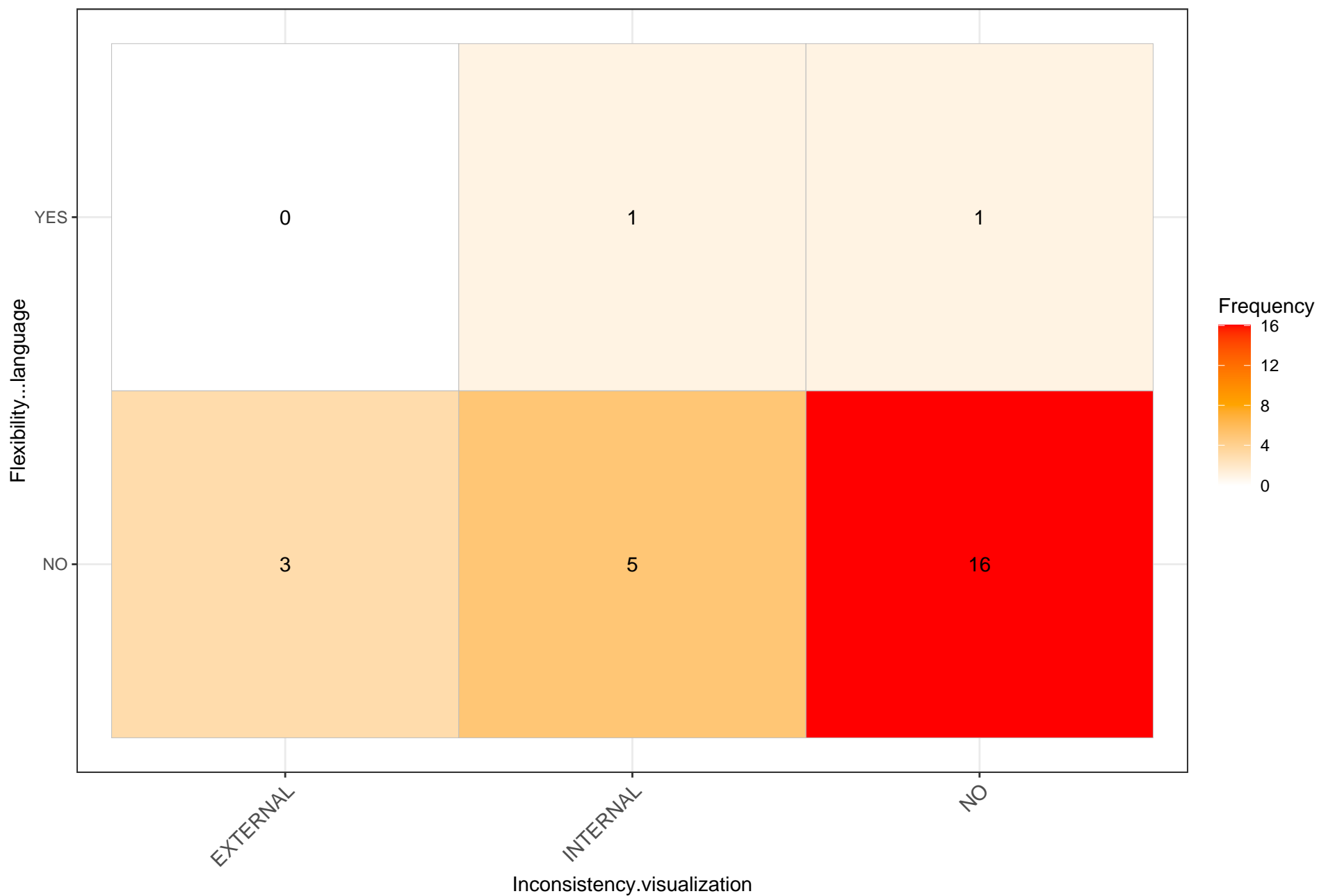
Flexibility...language_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)



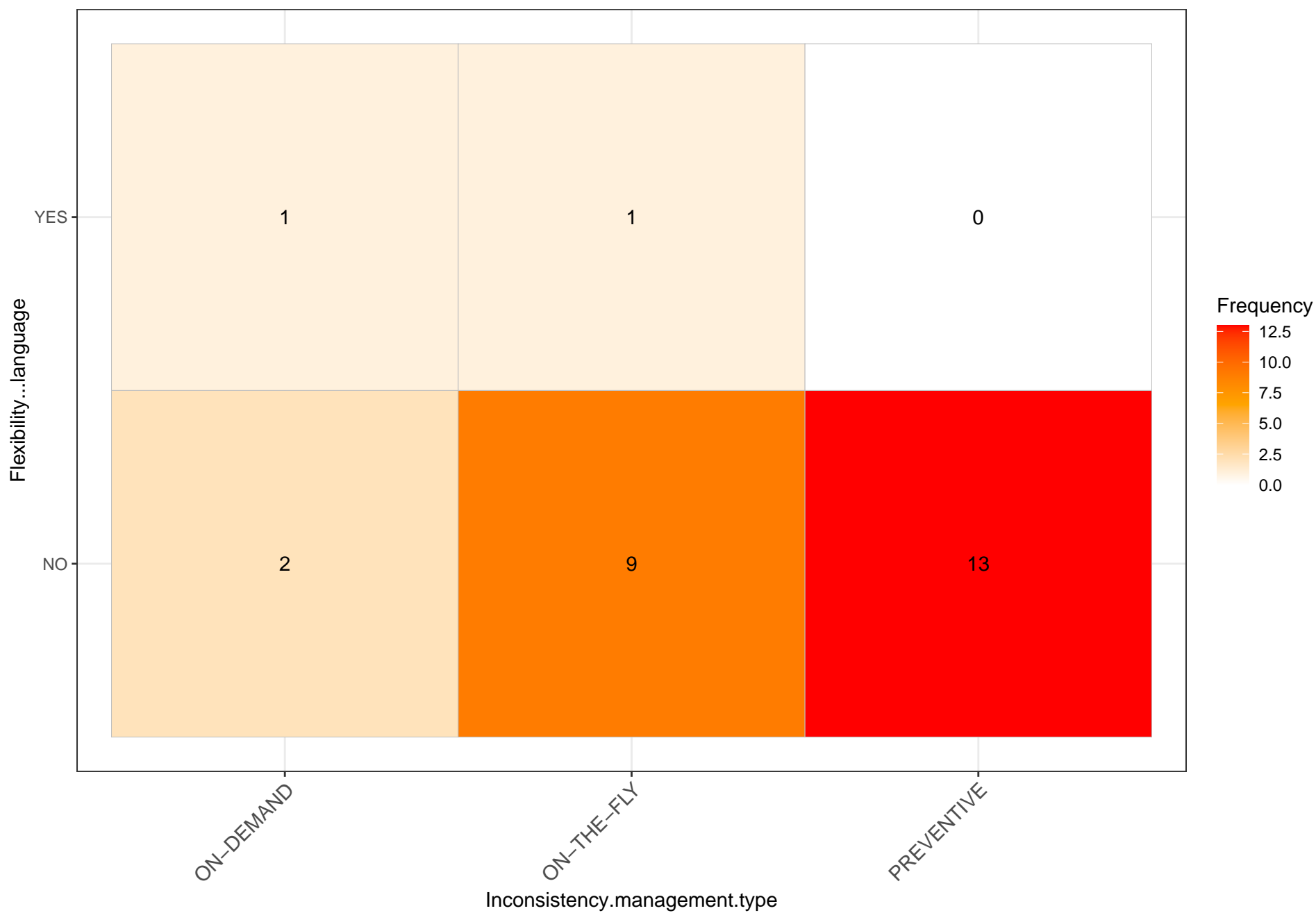
Flexibility...language_____Traceability (Chi sq w/ Yates p= 1, p= 0.6295)



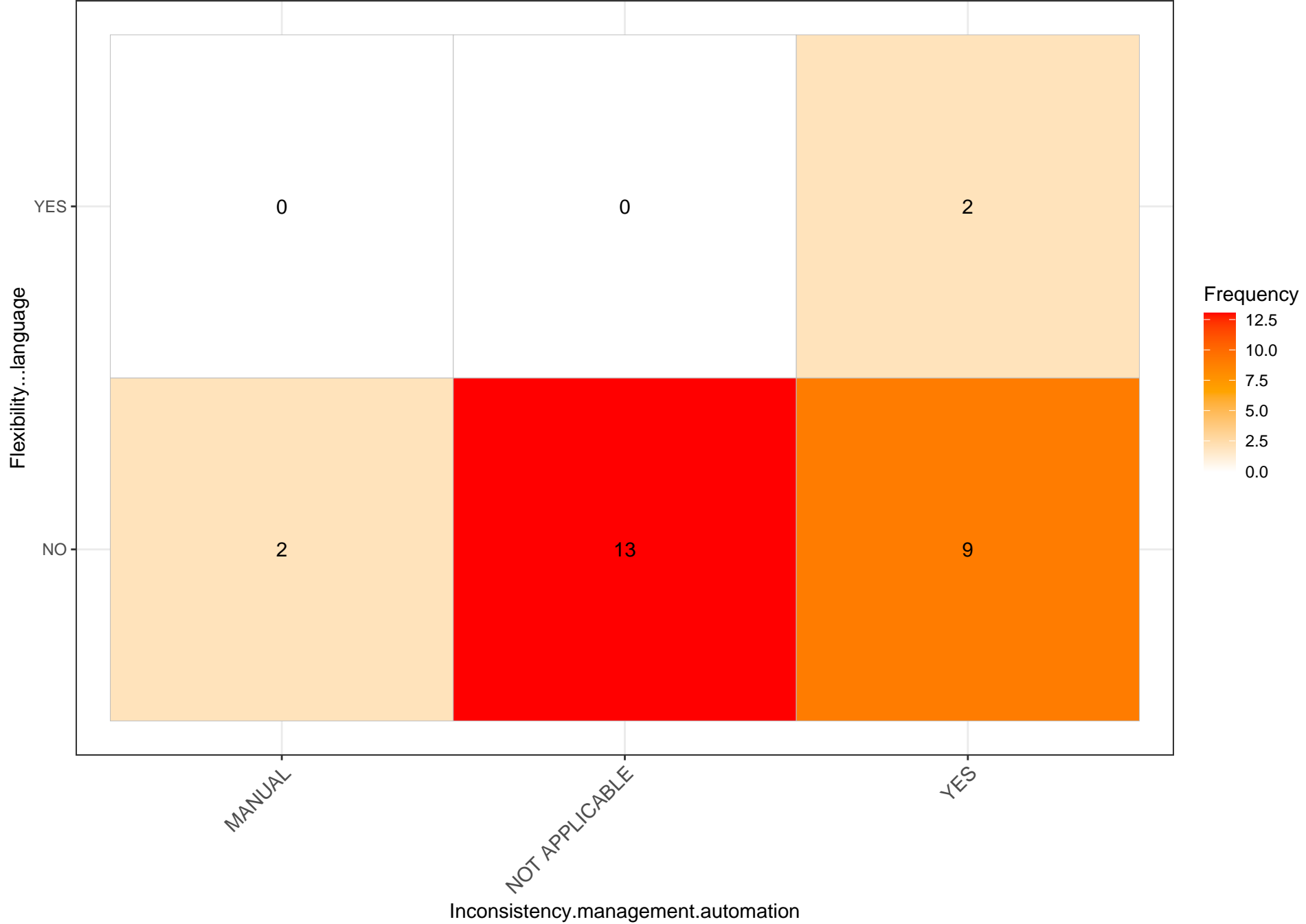
Flexibility...language_____Inconsistency.visualization (Chi sq w/ Yates p= 0.6038, p= 0.6038)



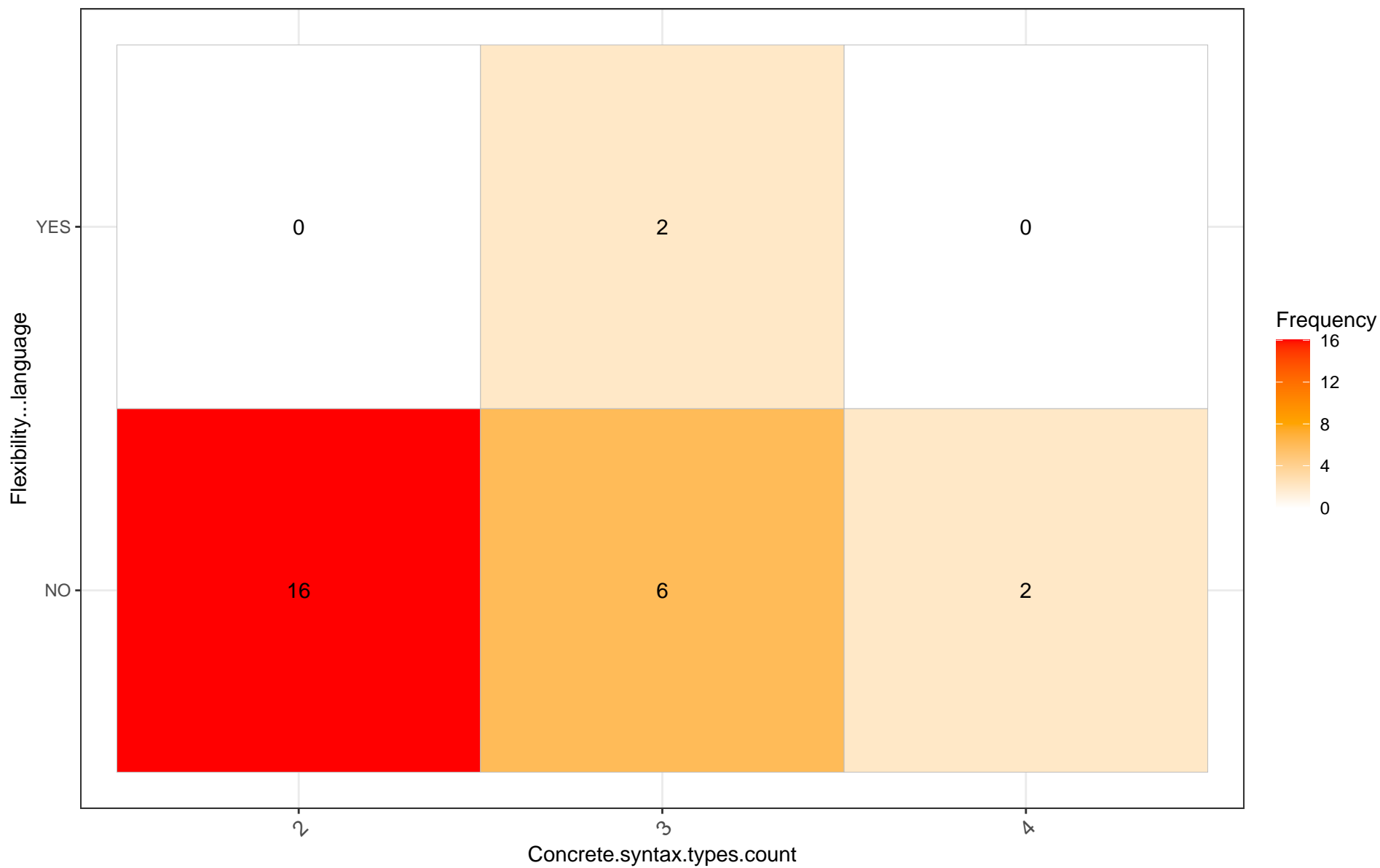
Flexibility...language_____Inconsistency.management.type (Chi sq w/ Yates p= 0.1397, p= 0.1397)



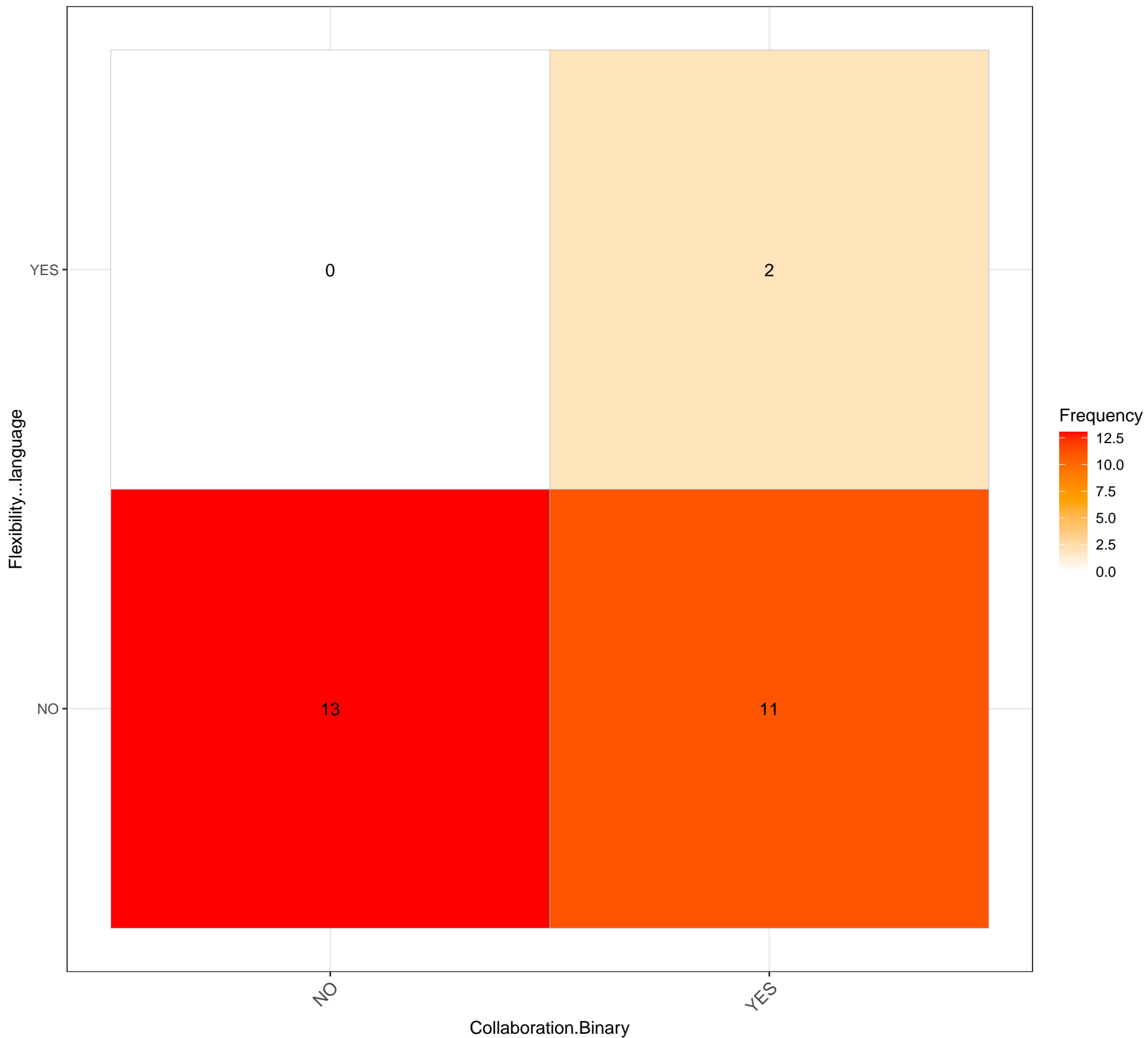
Flexibility...language_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.2283, p= 0.2283)



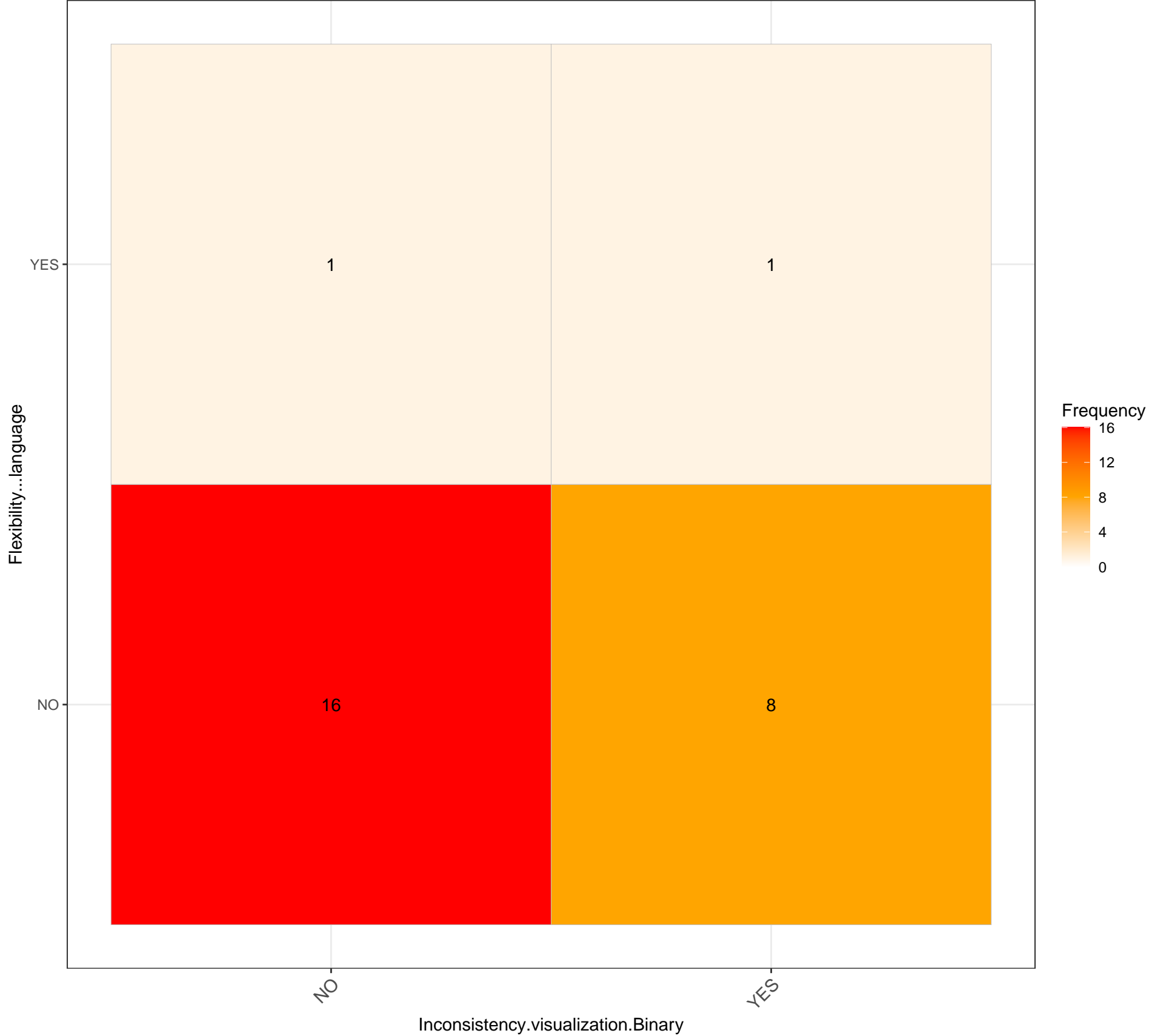
Flexibility...language_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.0874, p= 0.0874)



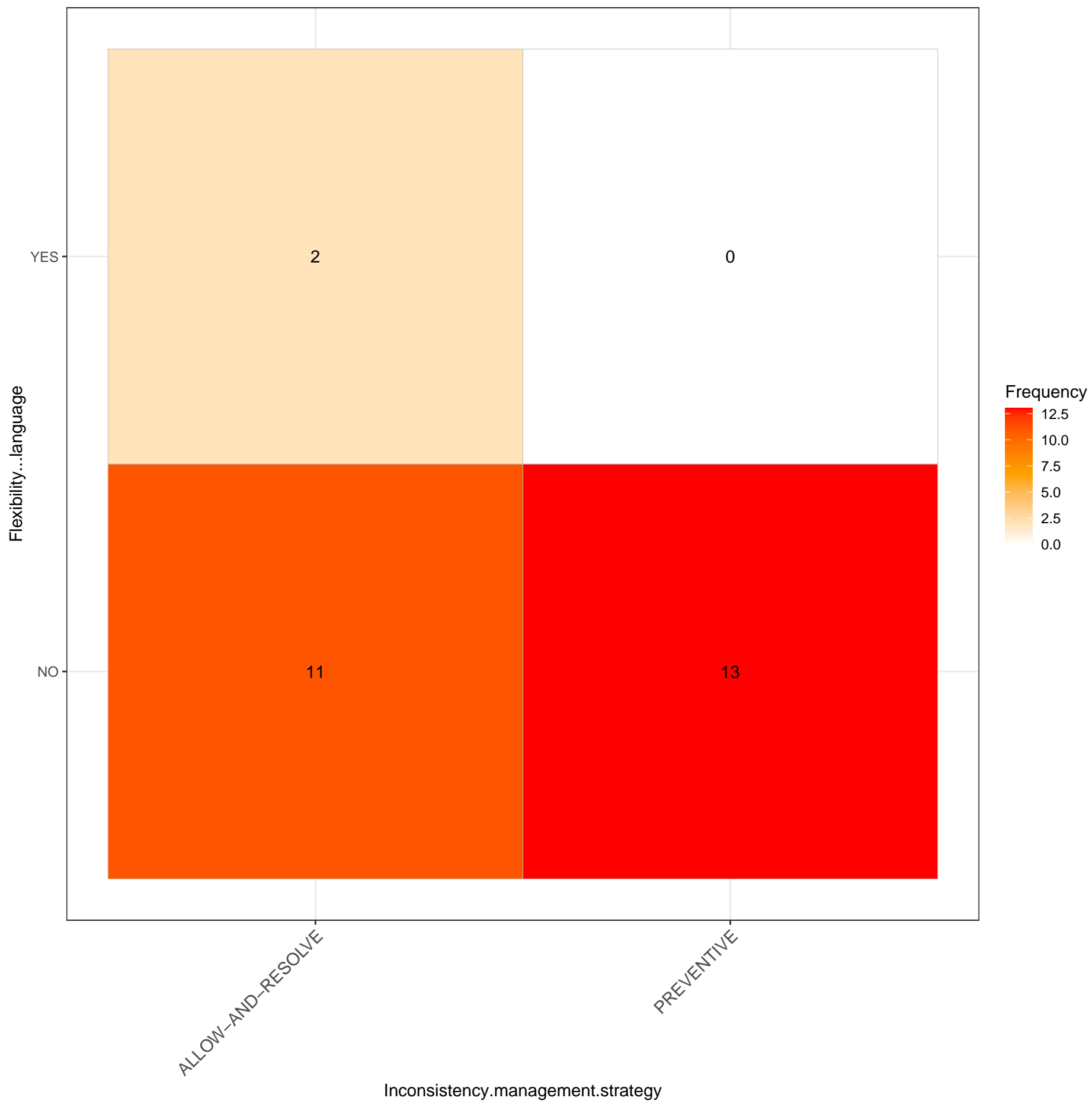
Flexibility...language_____Collaboration.Binary (Chi sq w/ Yates p= 0.4617, p= 0.141)



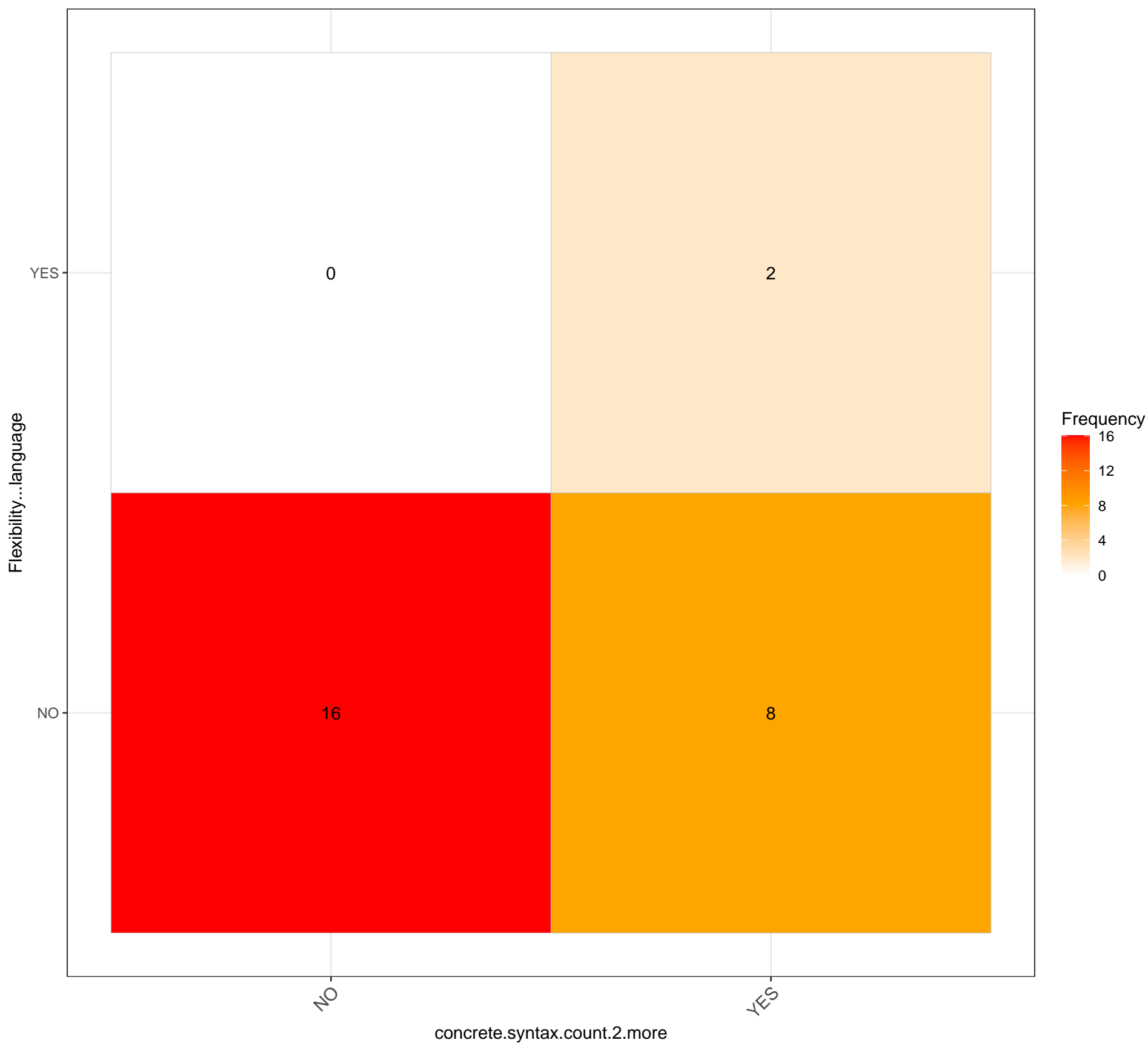
Flexibility...language_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 1, p= 0.6341)



Flexibility...language_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.4617, p= 0.141)



Flexibility...language_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.2689, p= 0.0626)



Flexibility...persistence_____Mapping (Chi sq w/ Yates $p=0.1826$, $p=0.037$)

Flexibility...persistence

YES

2

2

NO

20

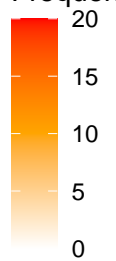
2

PARSER-BASE

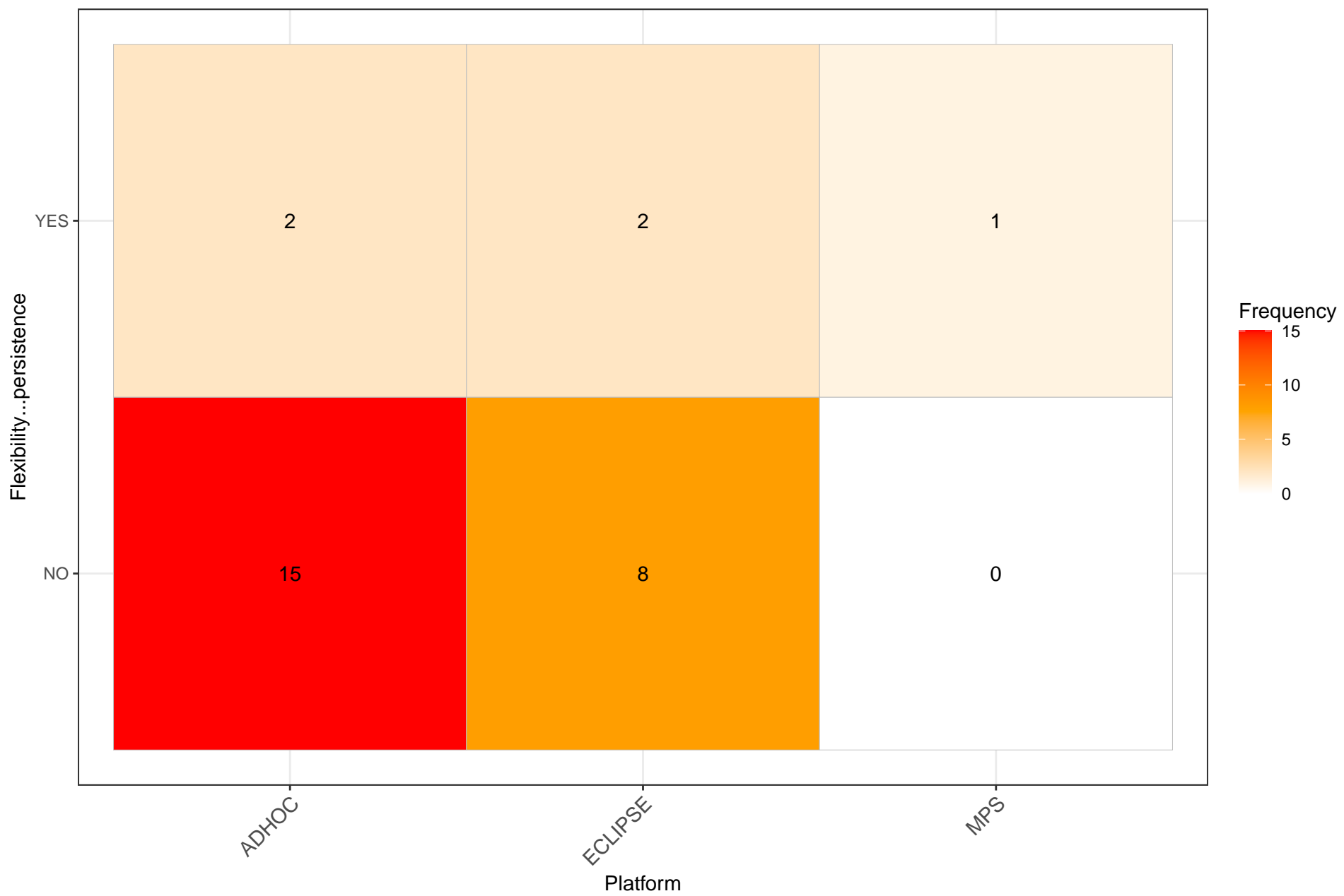
PROJECTIONAL

Mapping

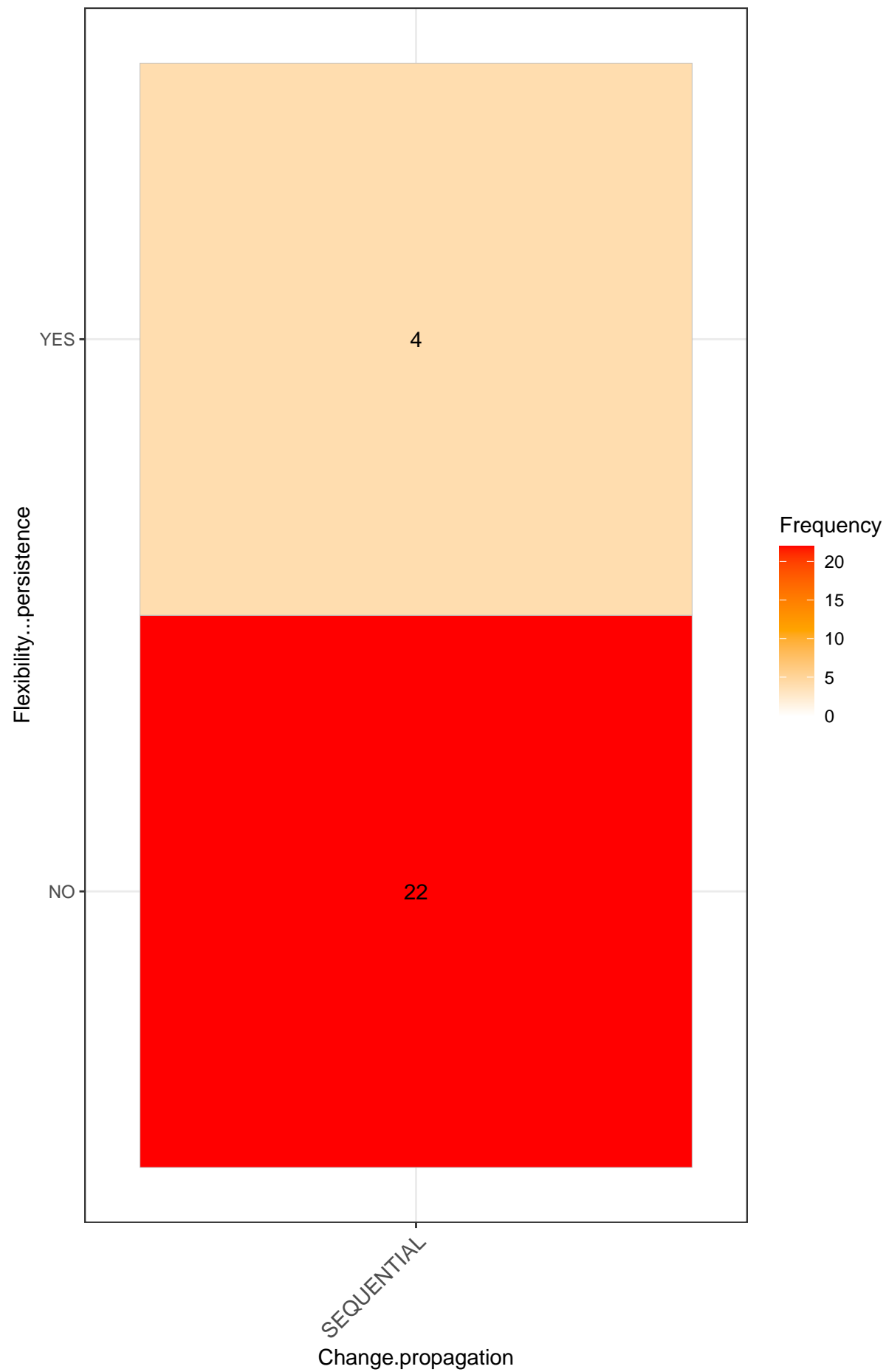
Frequency



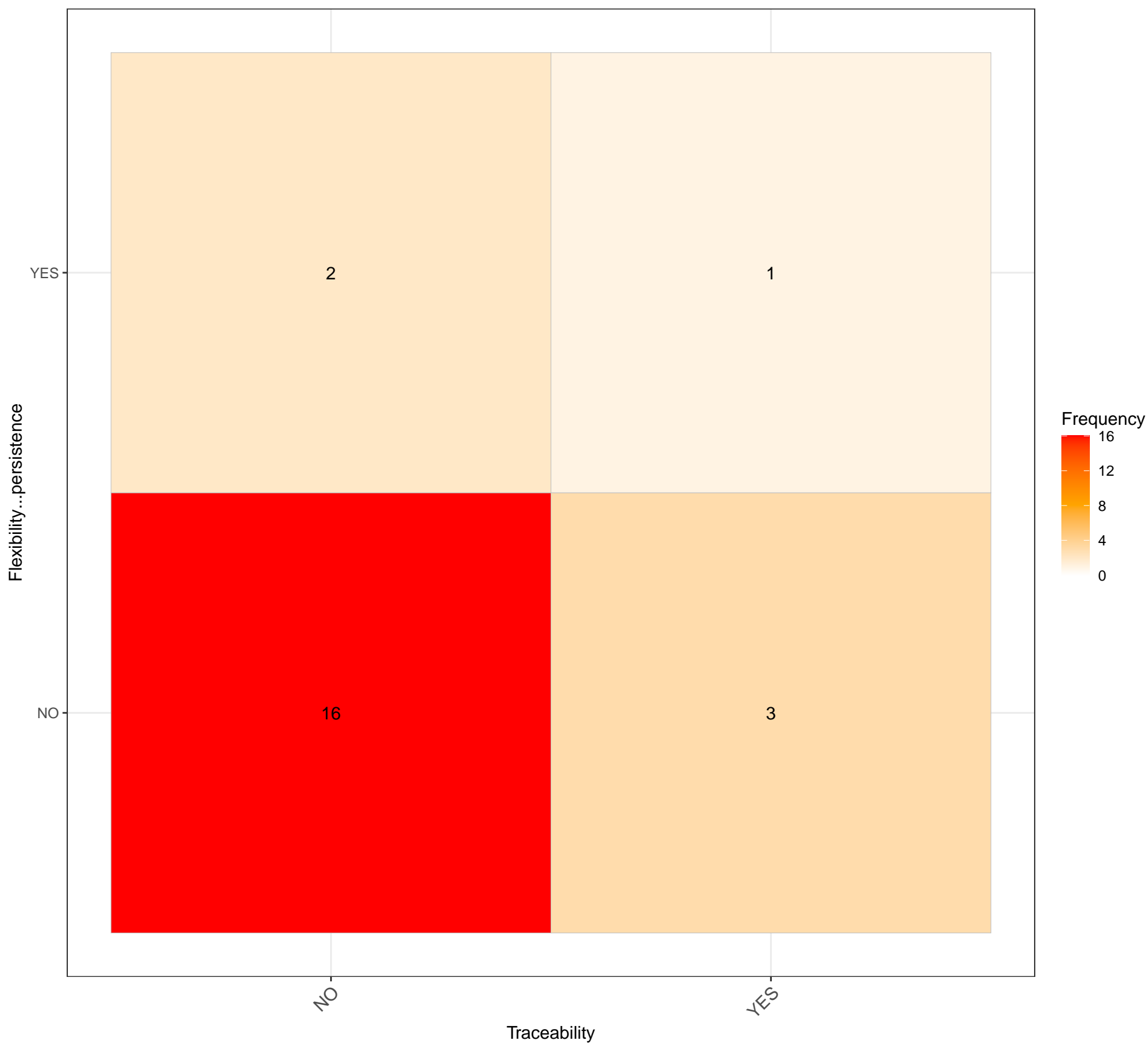
Flexibility...persistence_____Platform (Chi sq w/ Yates p= 0.0796, p= 0.0796)



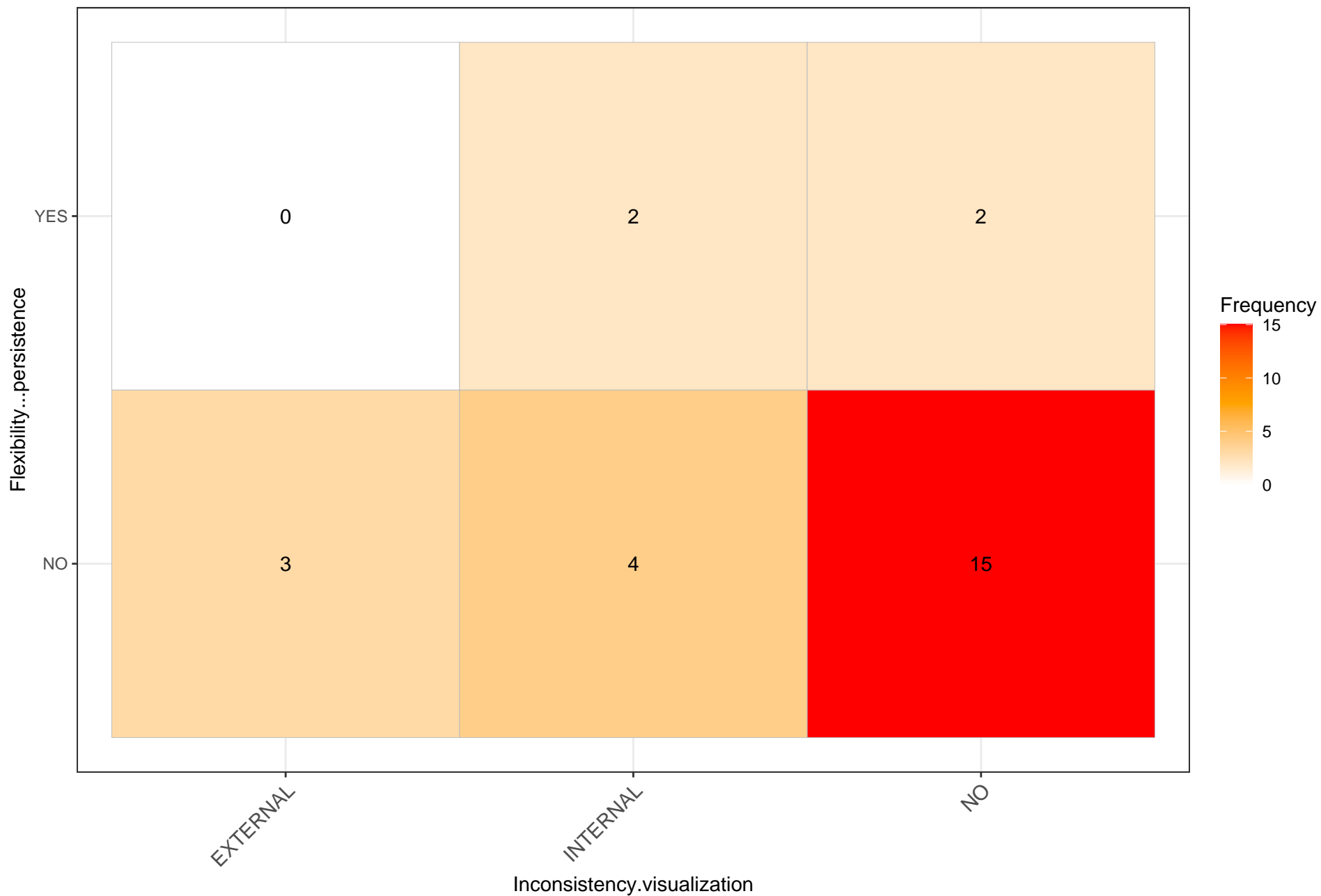
Flexibility...persistence_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)



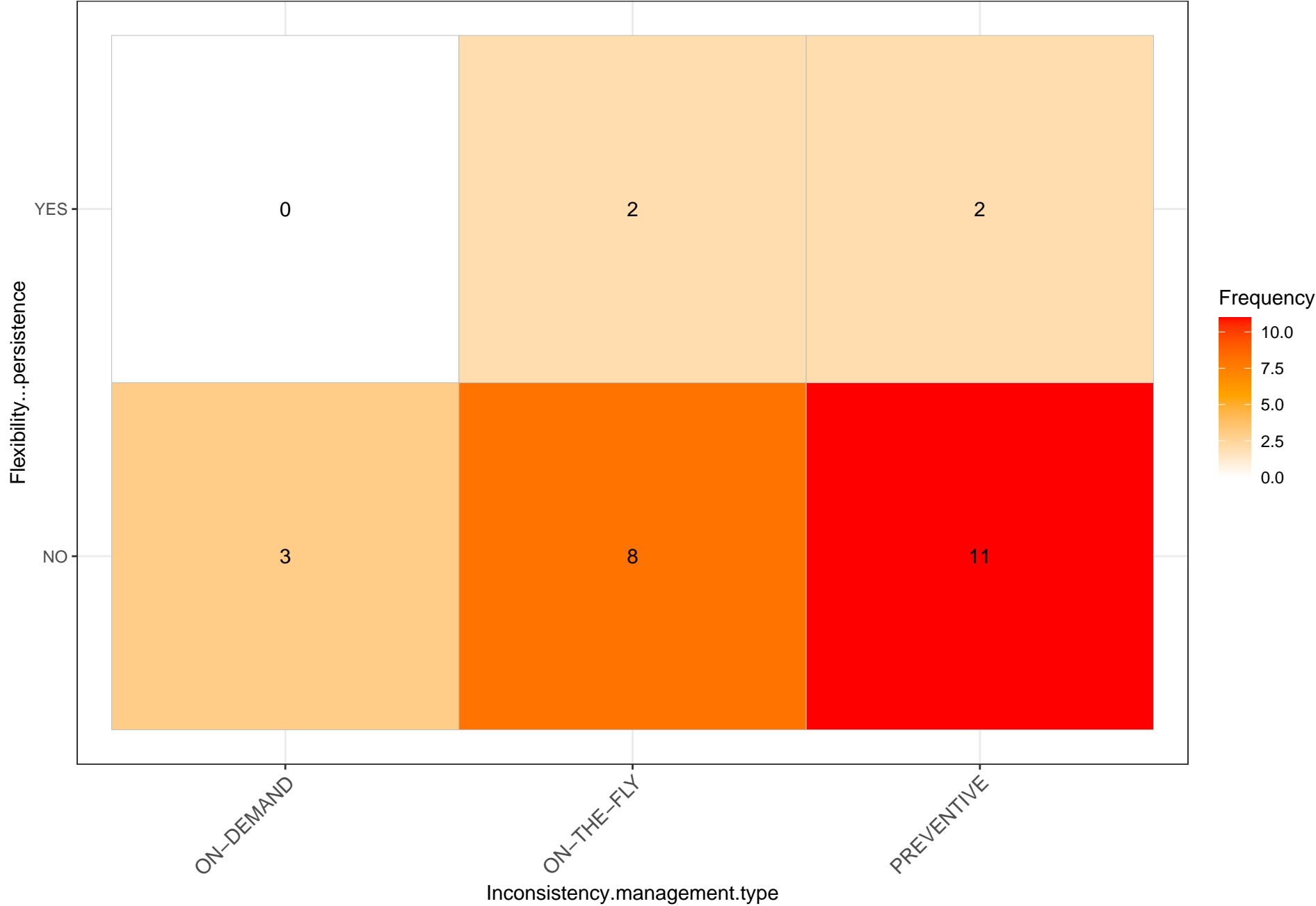
Flexibility...persistence_____Traceability (Chi sq w/ Yates p= 1, p= 0.4641)



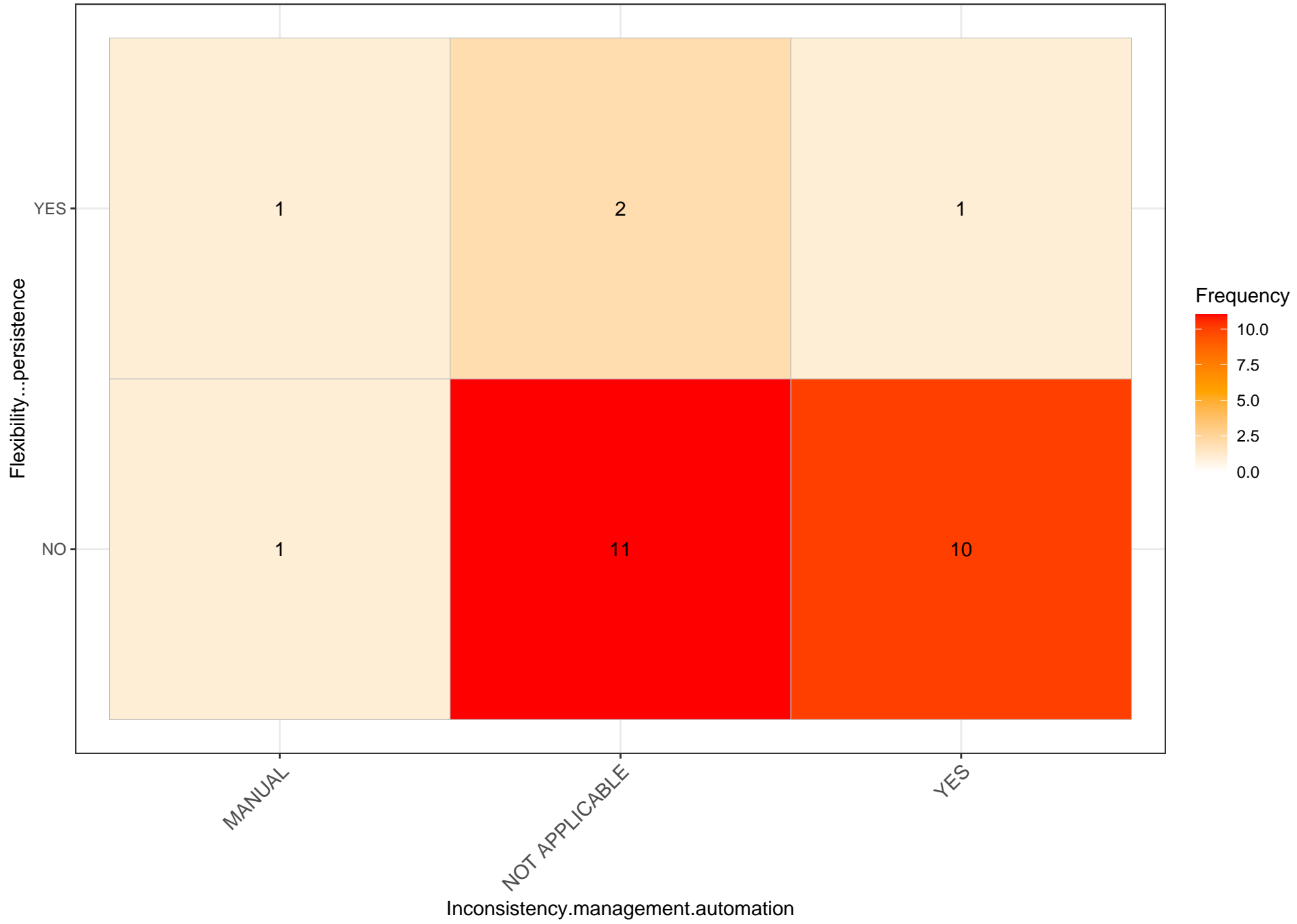
Flexibility...persistence_____Inconsistency.visualization (Chi sq w/ Yates p= 0.3326, p= 0.3326)



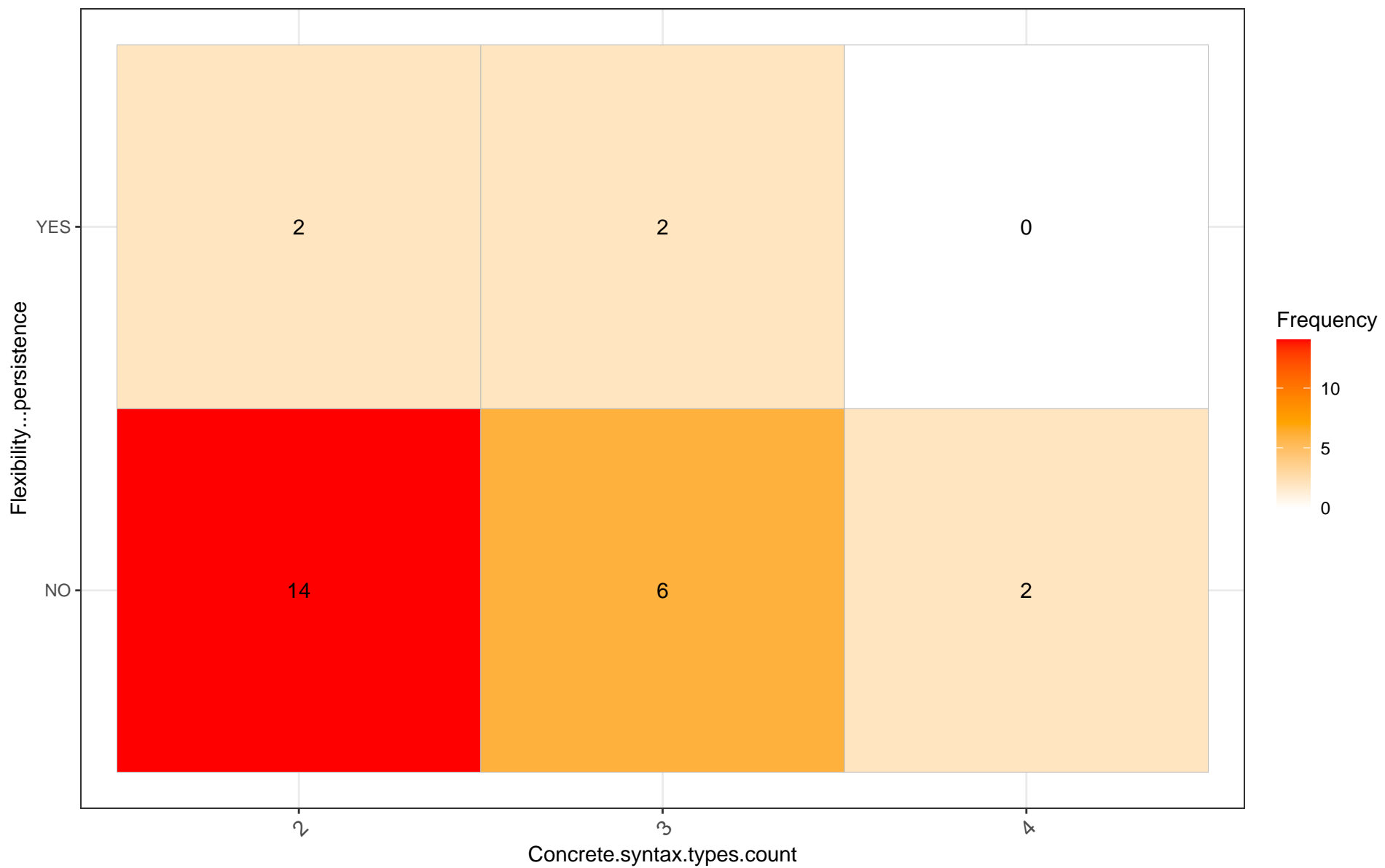
Flexibility...persistence_____Inconsistency.management.type (Chi sq w/ Yates p= 0.7015, p= 0.7015)



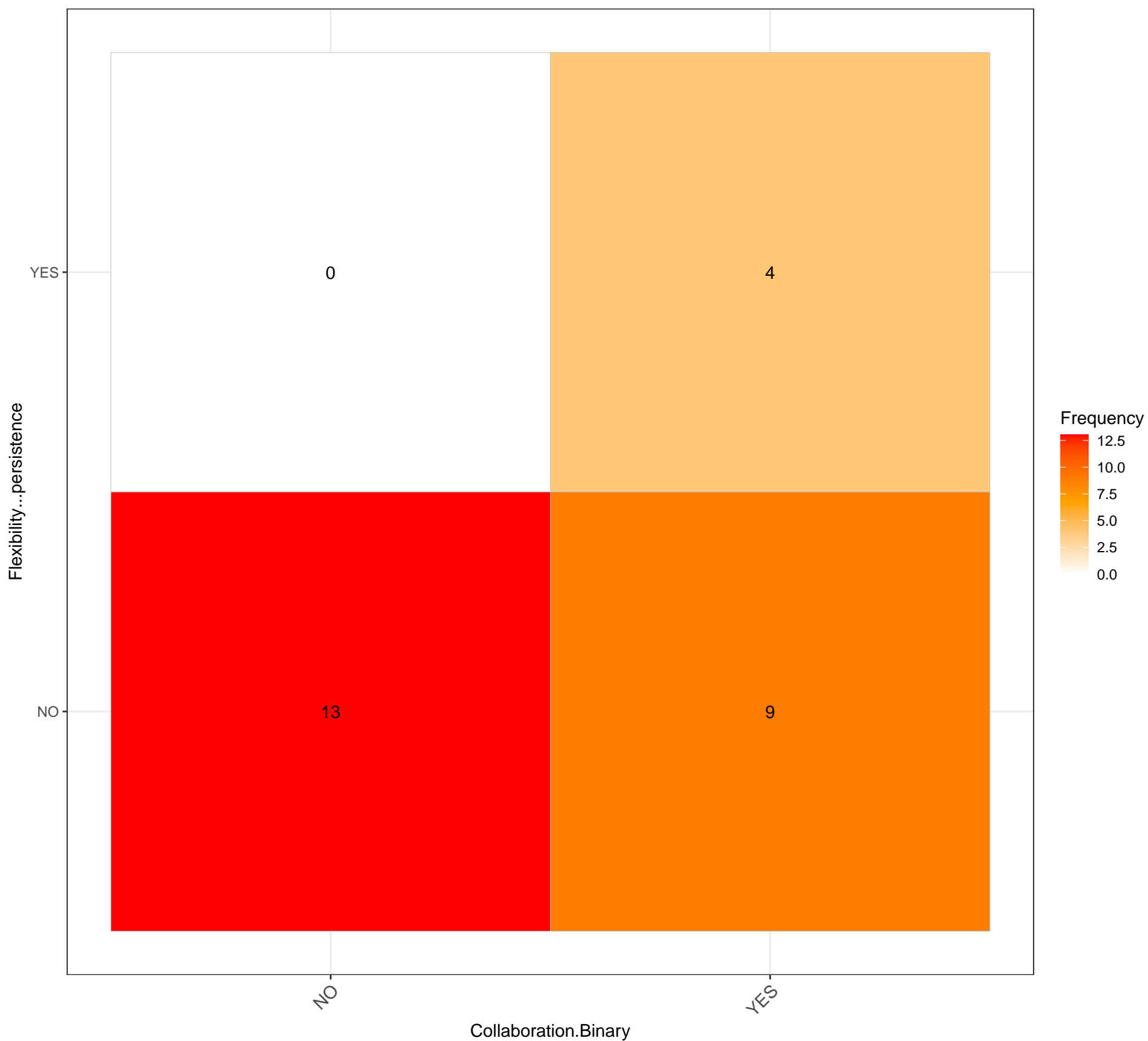
Flexibility...persistence_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.337, p= 0.337)



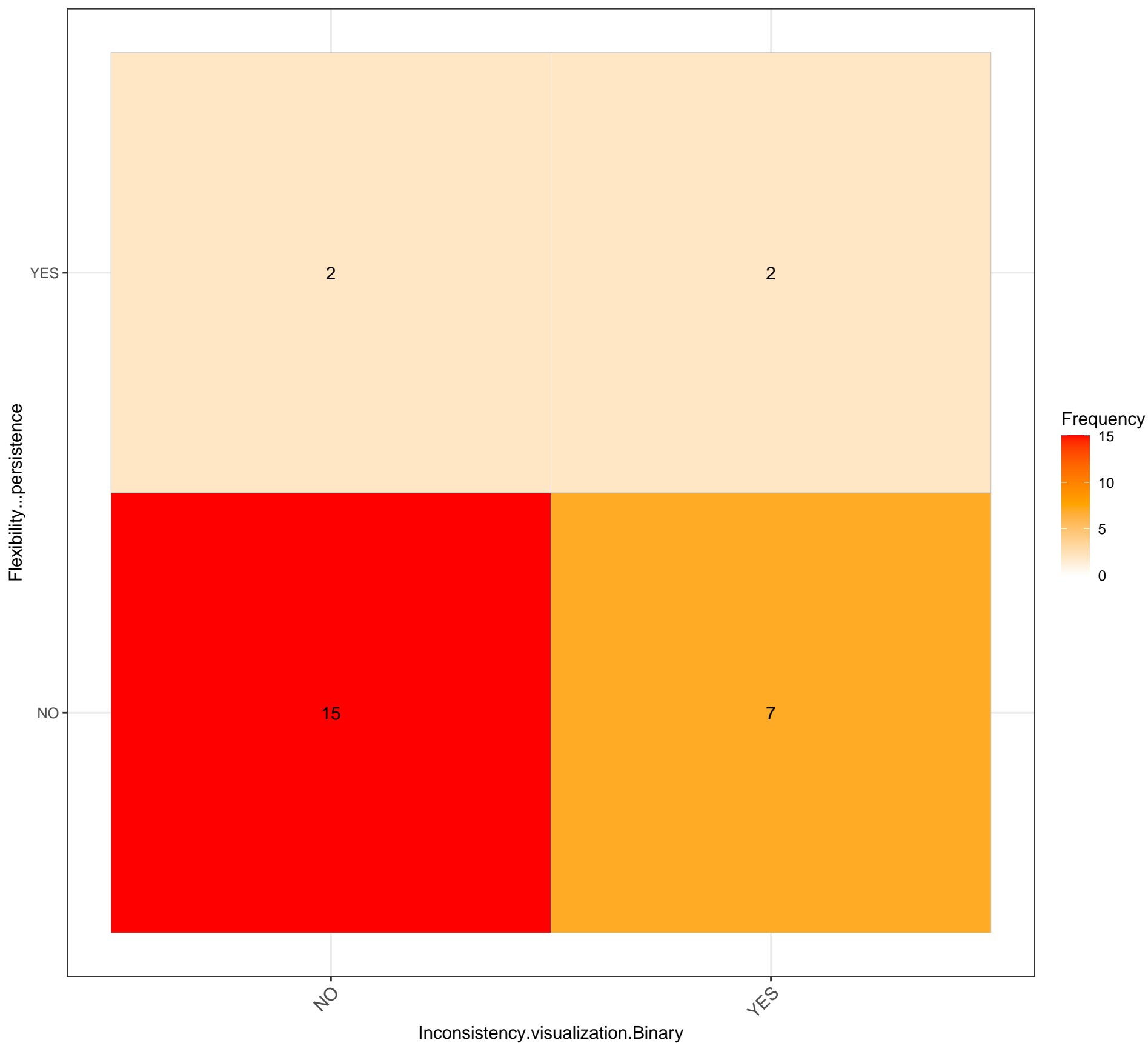
Flexibility...persistence_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.5963, p= 0.5963)



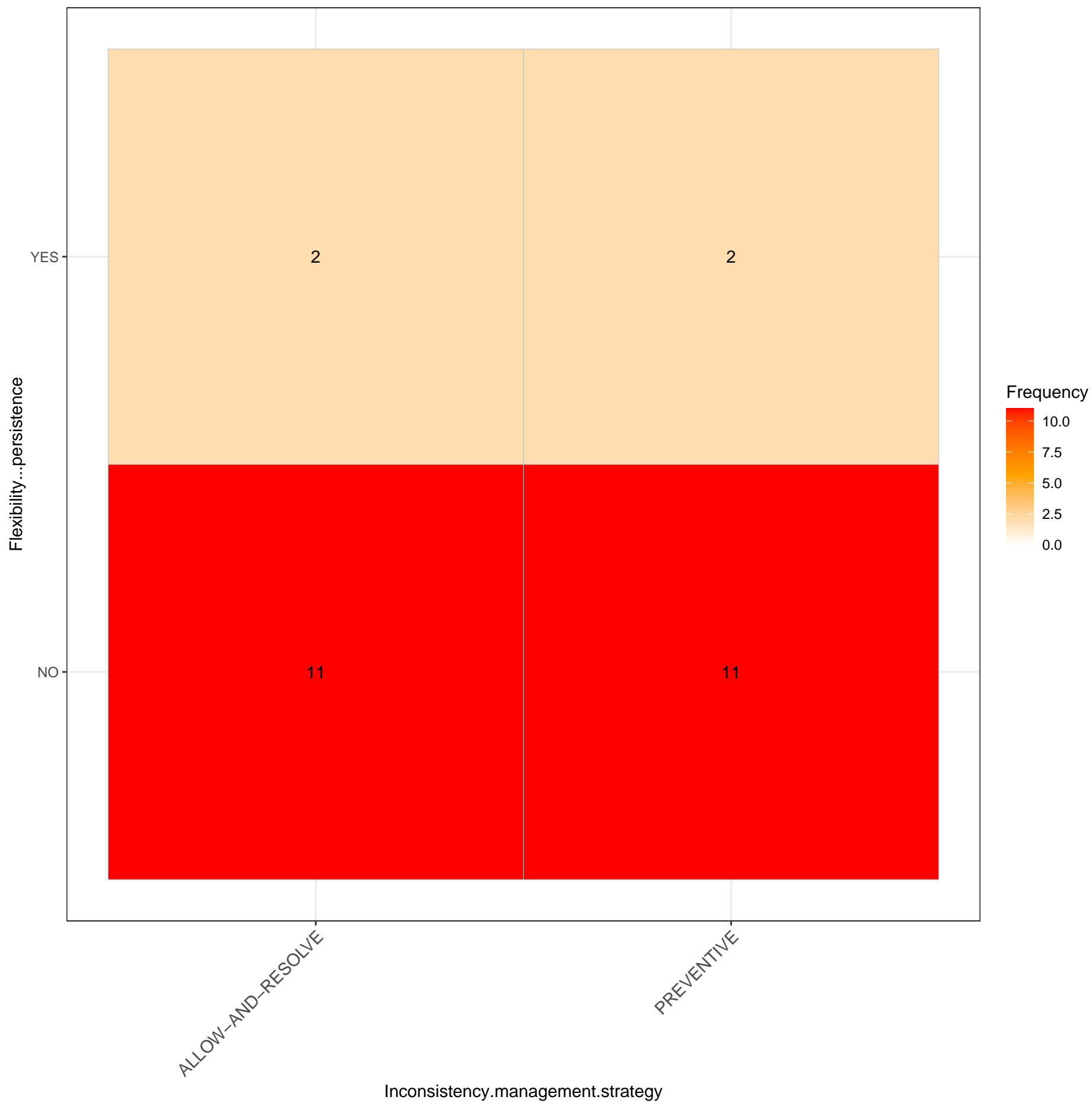
Flexibility...persistence_____Collaboration.Binary (Chi sq w/ Yates p= 0.103, p= 0.0297)



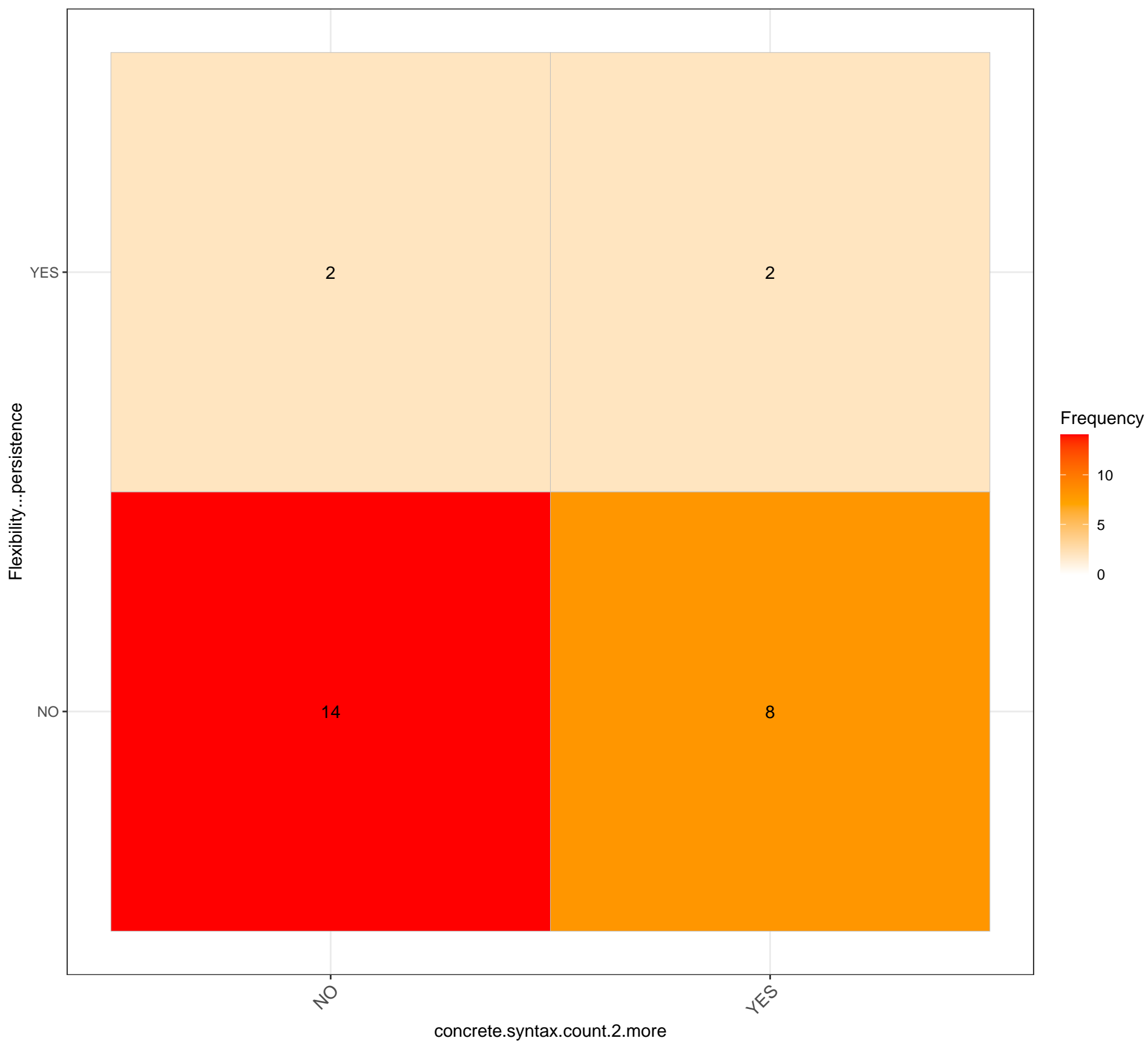
Flexibility...persistence_____Inconsistency.visualization.Binary (Chi sq w/ Yates $p=0.8951$, $p=0.482$)



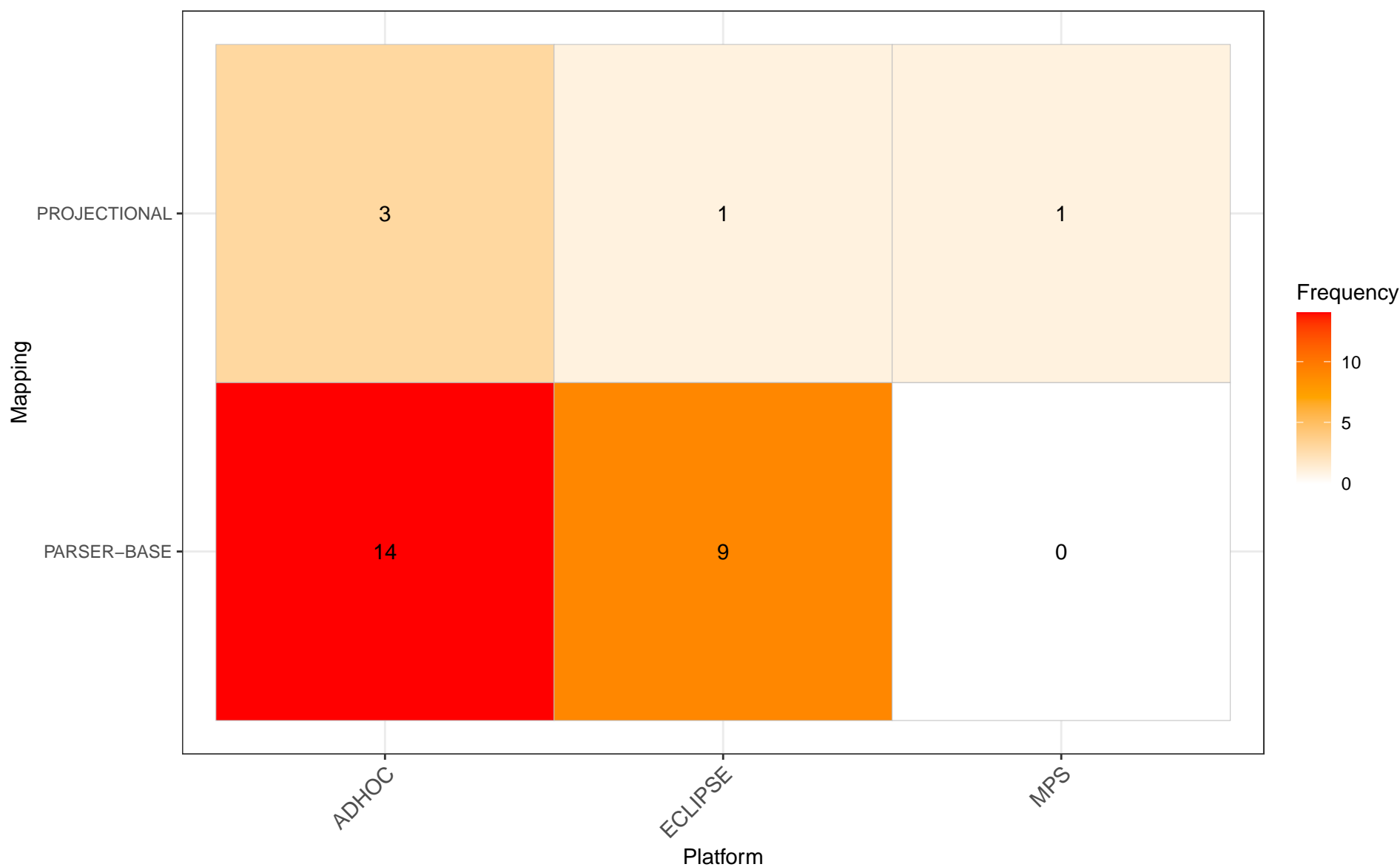
Flexibility...persistence_____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 1)



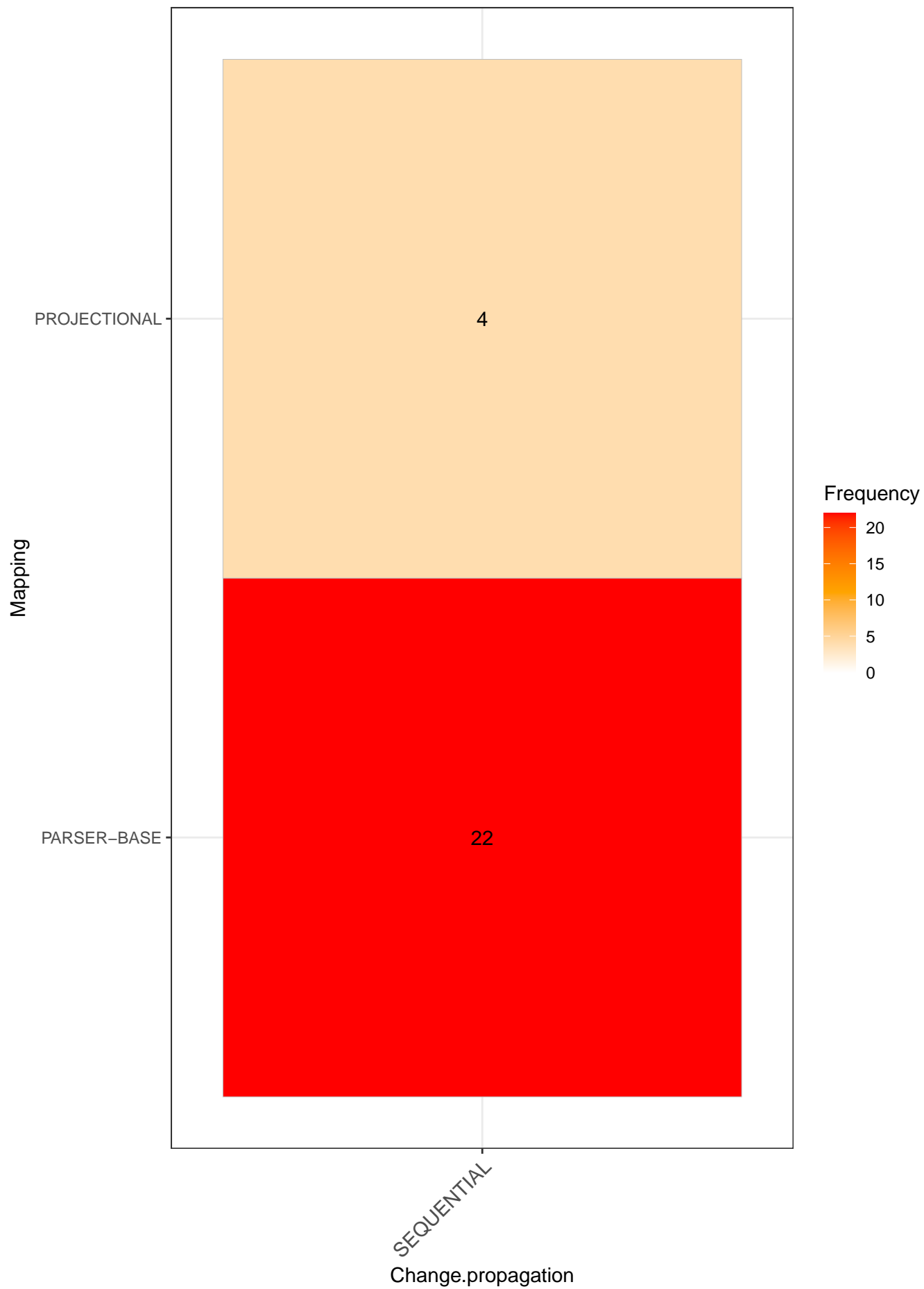
Flexibility...persistence_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 1, p= 0.6061)



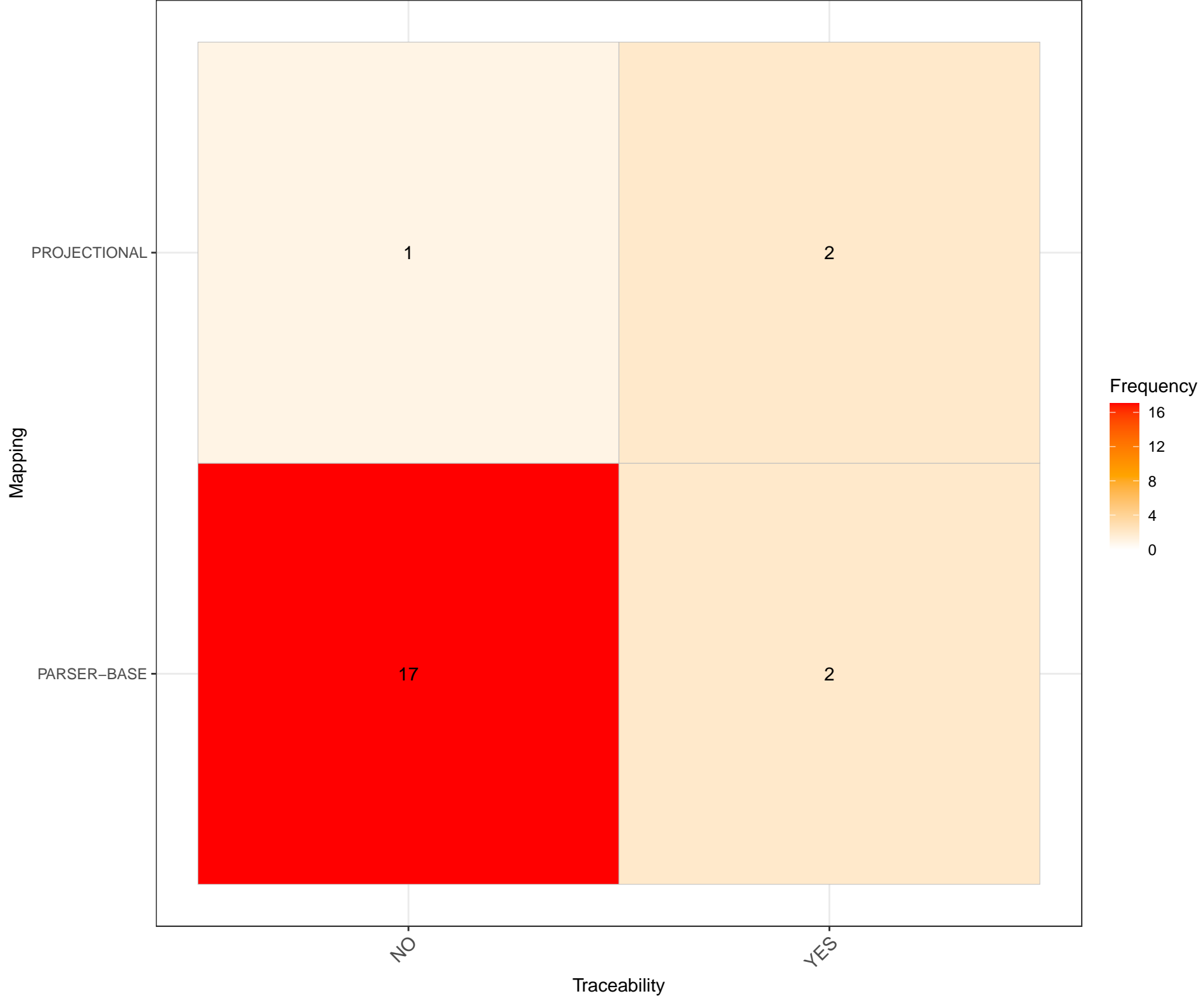
Mapping_____Platform (Chi sq w/ Yates p= 0.0812, p= 0.0812)



Mapping_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)



Mapping_____Traceability (Chi sq w/ Yates p= 0.1242, p= 0.0191)



Mapping_____Inconsistency.visualization (Chi sq w/ Yates p= 0.6309, p= 0.6309)

Mapping

PROJECTIONAL

PARSER-BASE

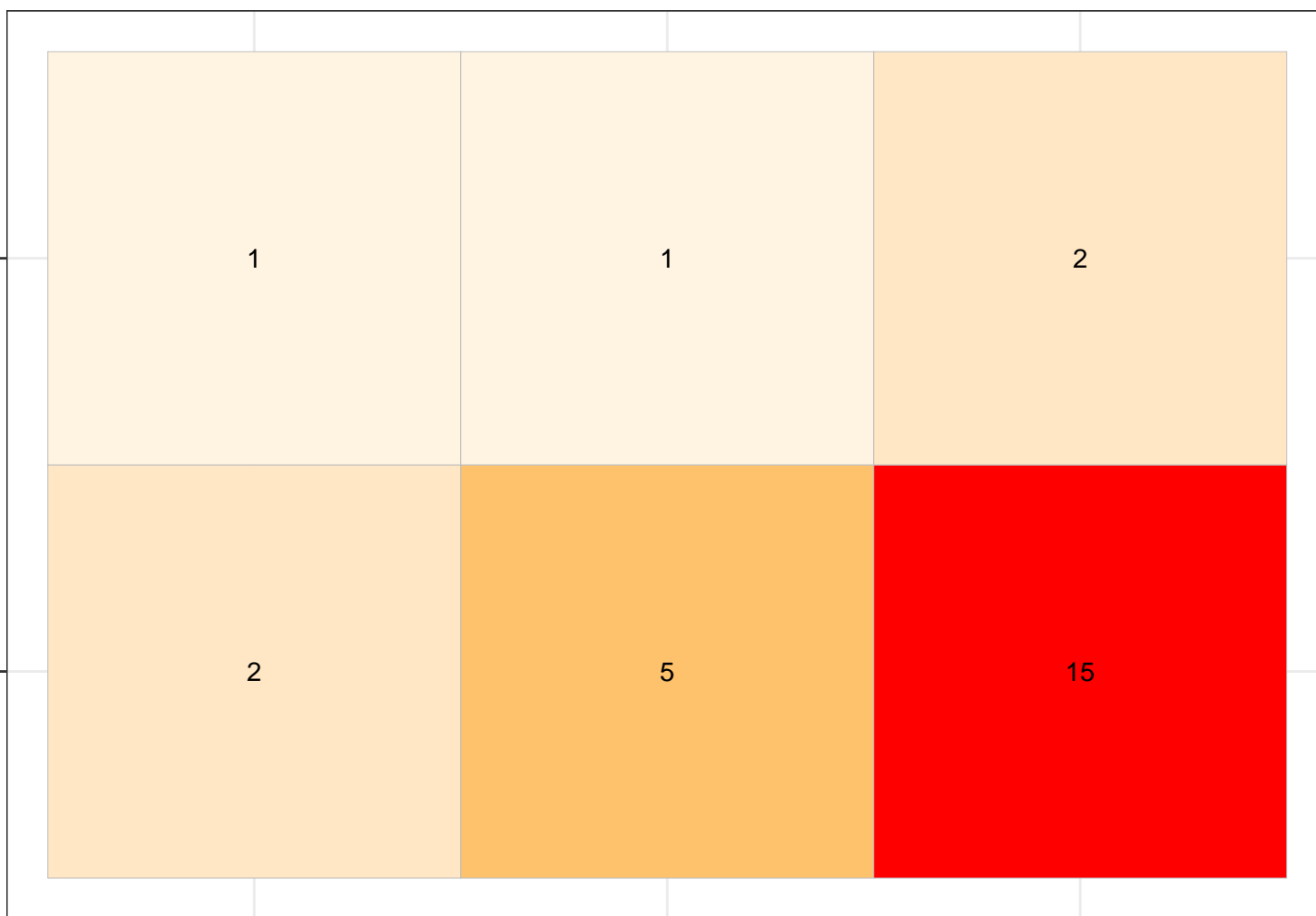
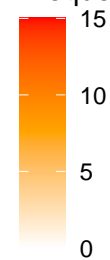
EXTERNAL

INTERNAL

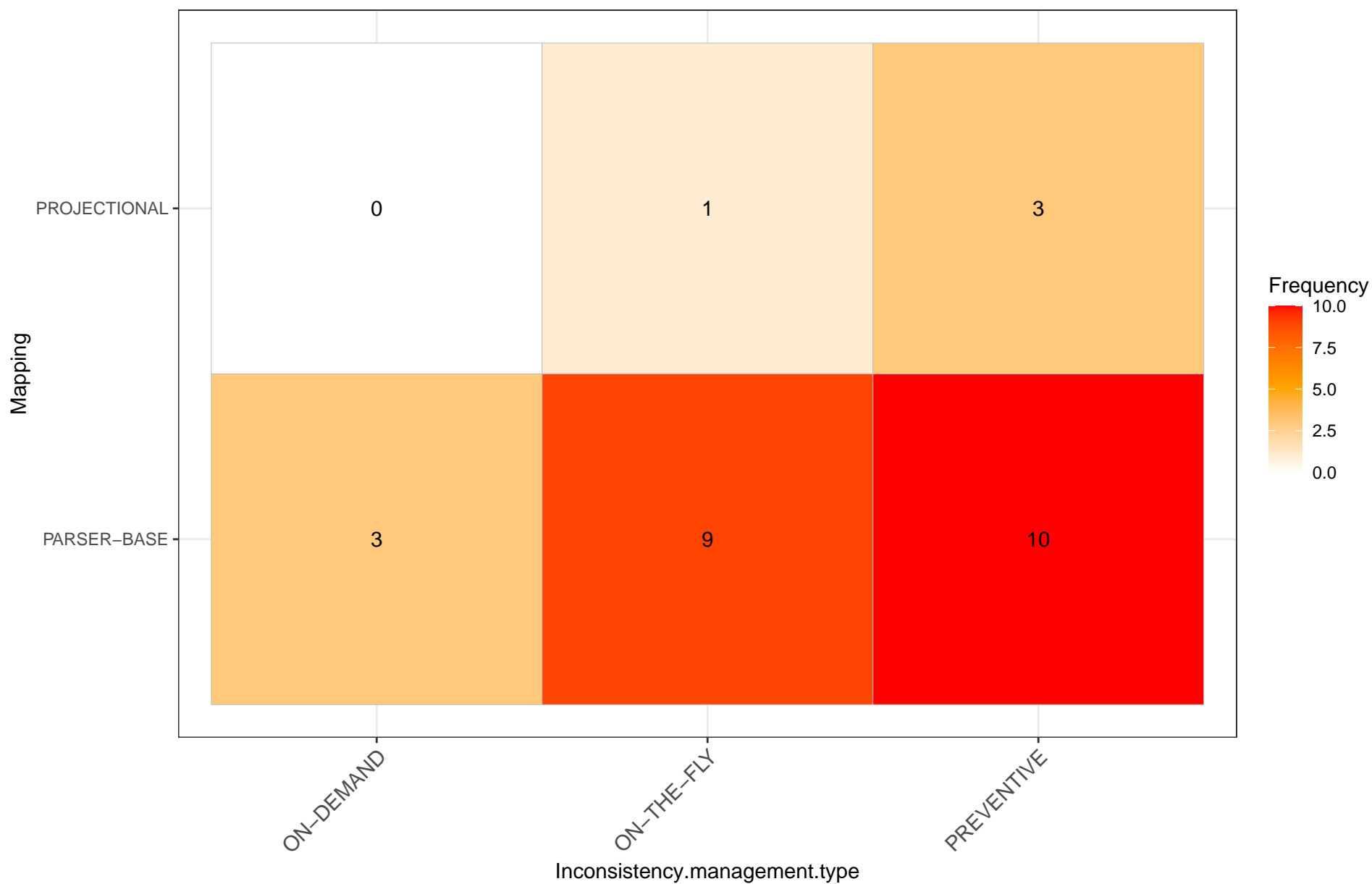
NO

Inconsistency.visualization

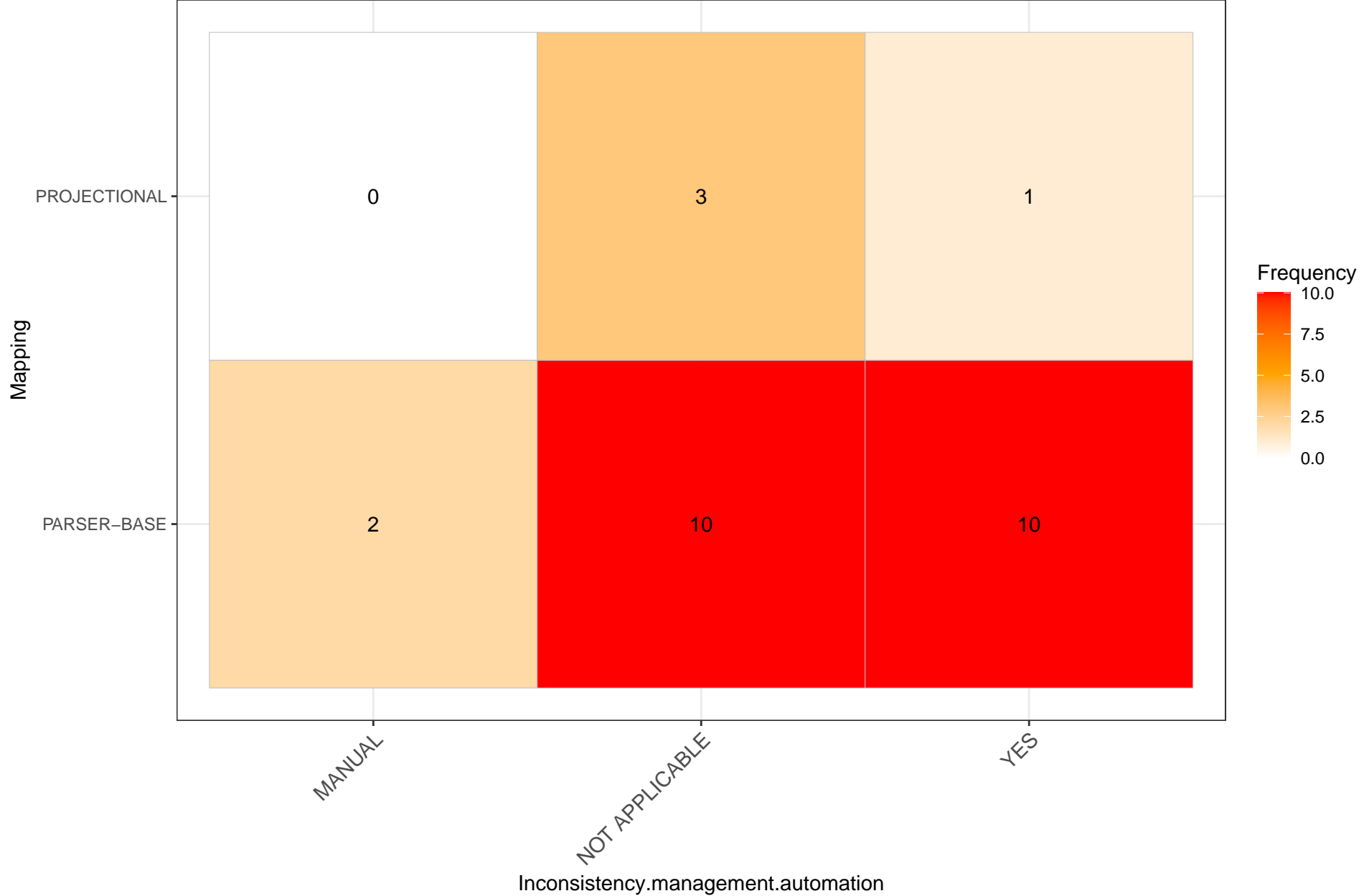
Frequency



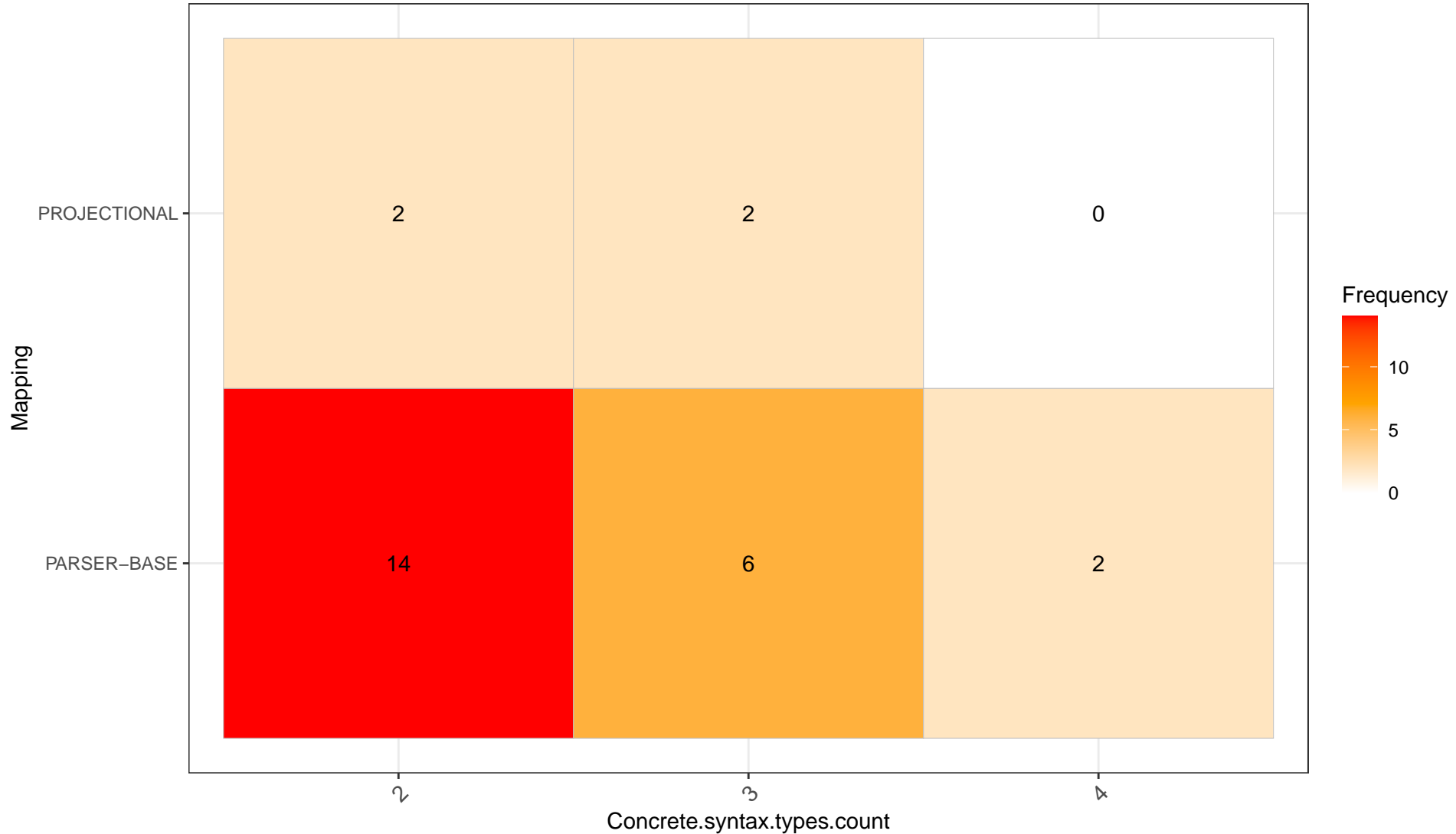
Mapping_____Inconsistency.management.type (Chi sq w/ Yates p= 0.5068, p= 0.5068)



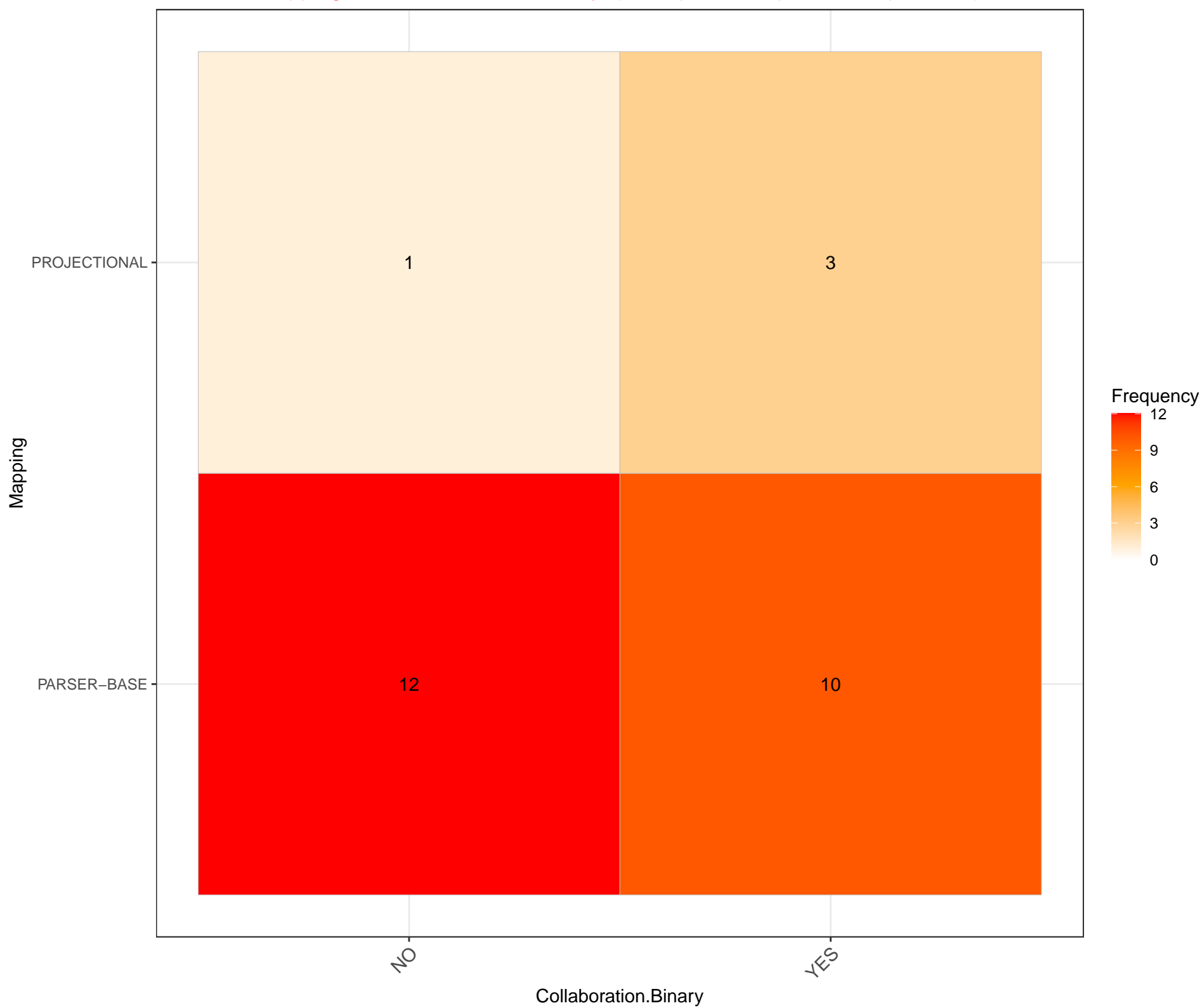
Mapping_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.5249, p= 0.5249)



Mapping_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.5963, p= 0.5963)



Mapping_____Collaboration.Binary (Chi sq w/ Yates p= 0.5867, p= 0.277)



Mapping_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.8951, p= 0.482)

Mapping

PROJECTIONAL

2

2

PARSER-BASE

15

7

NO

YES

Inconsistency.visualization.Binary

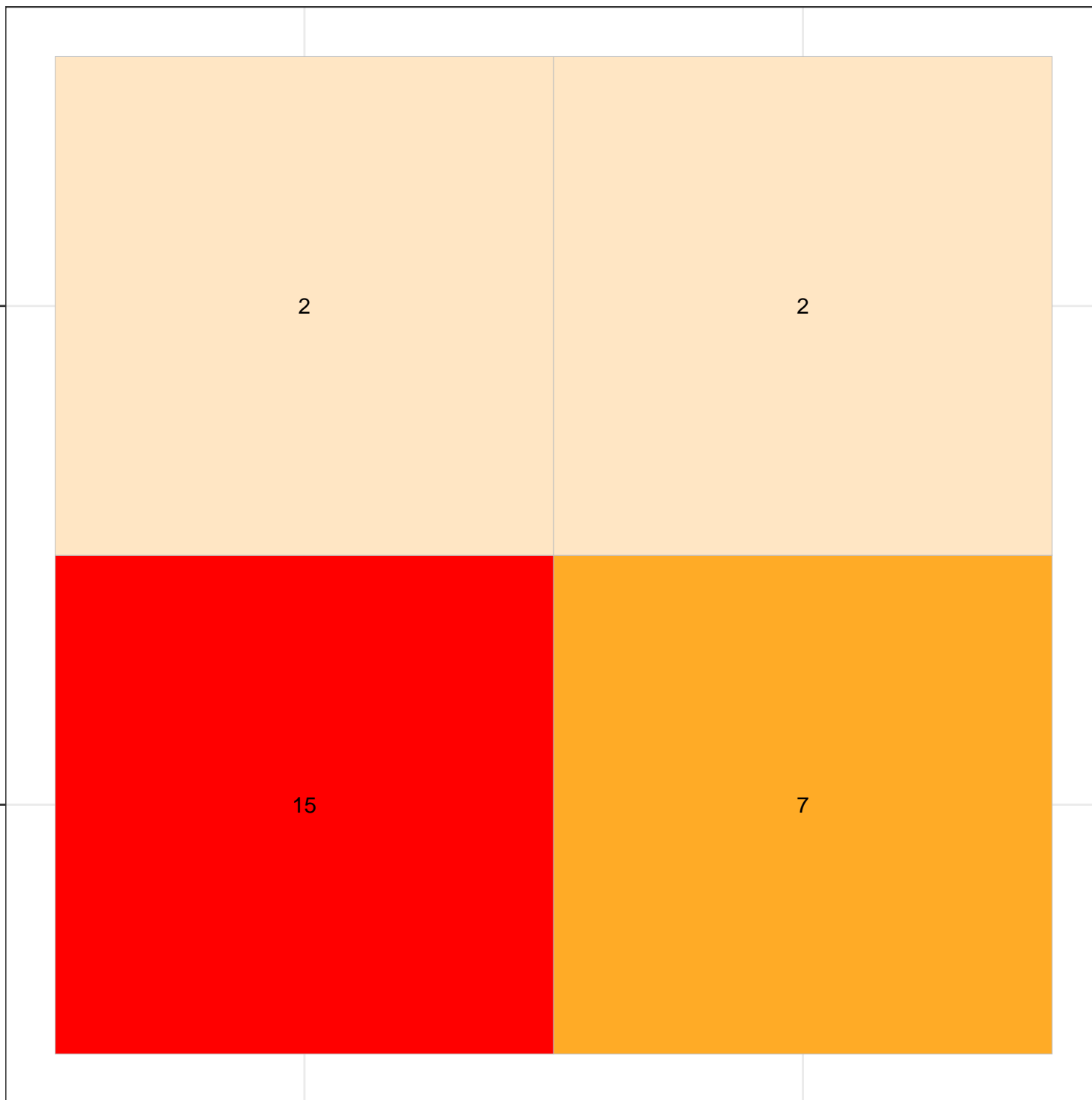
Frequency

15

10

5

0



Mapping_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.5867, p= 0.277)

Mapping

PROJECTIONAL

1

3

PARSER-BASE

12

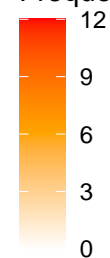
10

ALLOW-AND-RESOLVE

PREVENTIVE

Inconsistency.management.strategy

Frequency



Mapping_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 1, p= 0.6061)

Mapping

PROJECTIONAL

2

2

PARSER-BASE

14

8

NO

YES

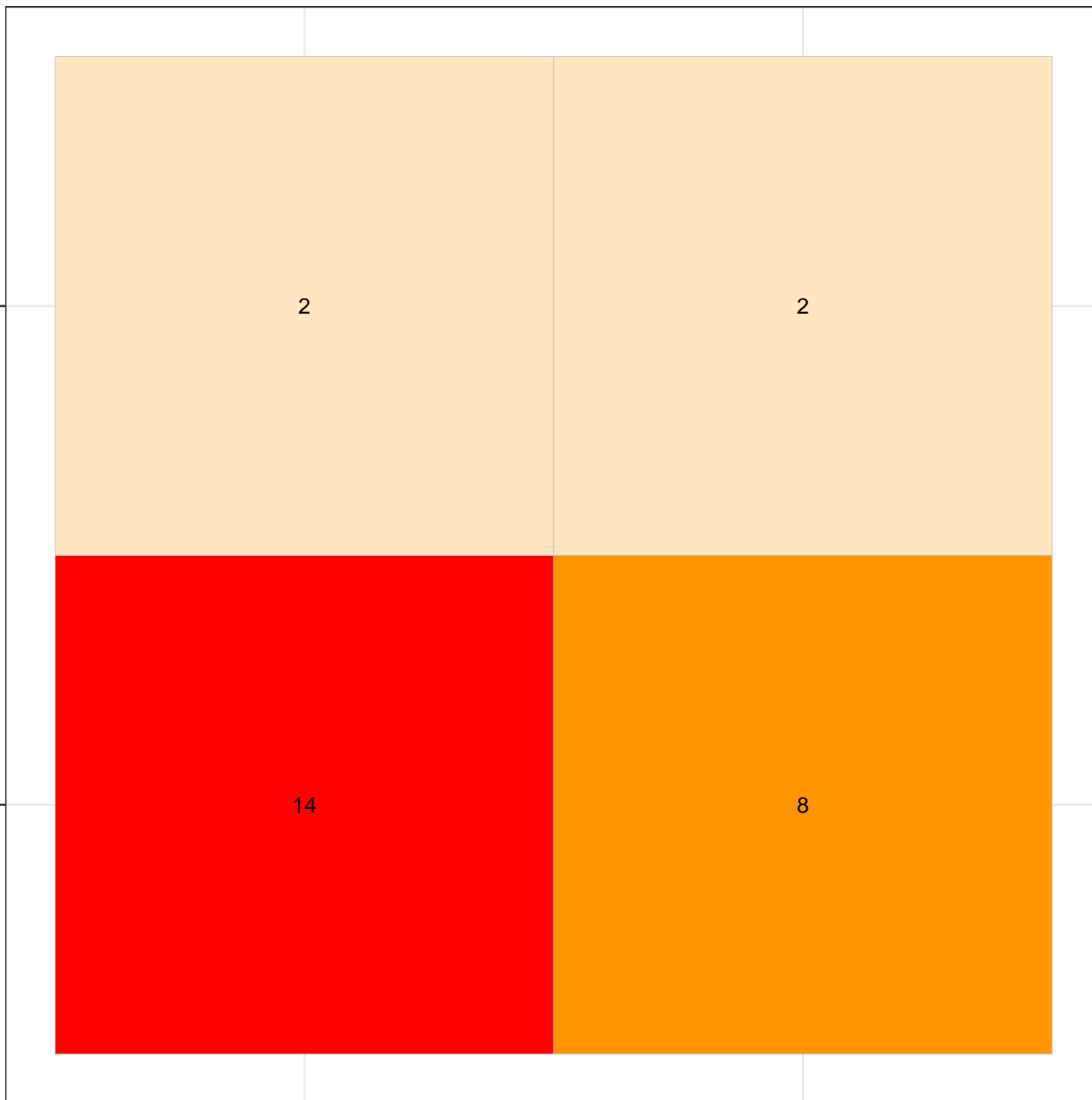
concrete.syntax.count.2.more

Frequency

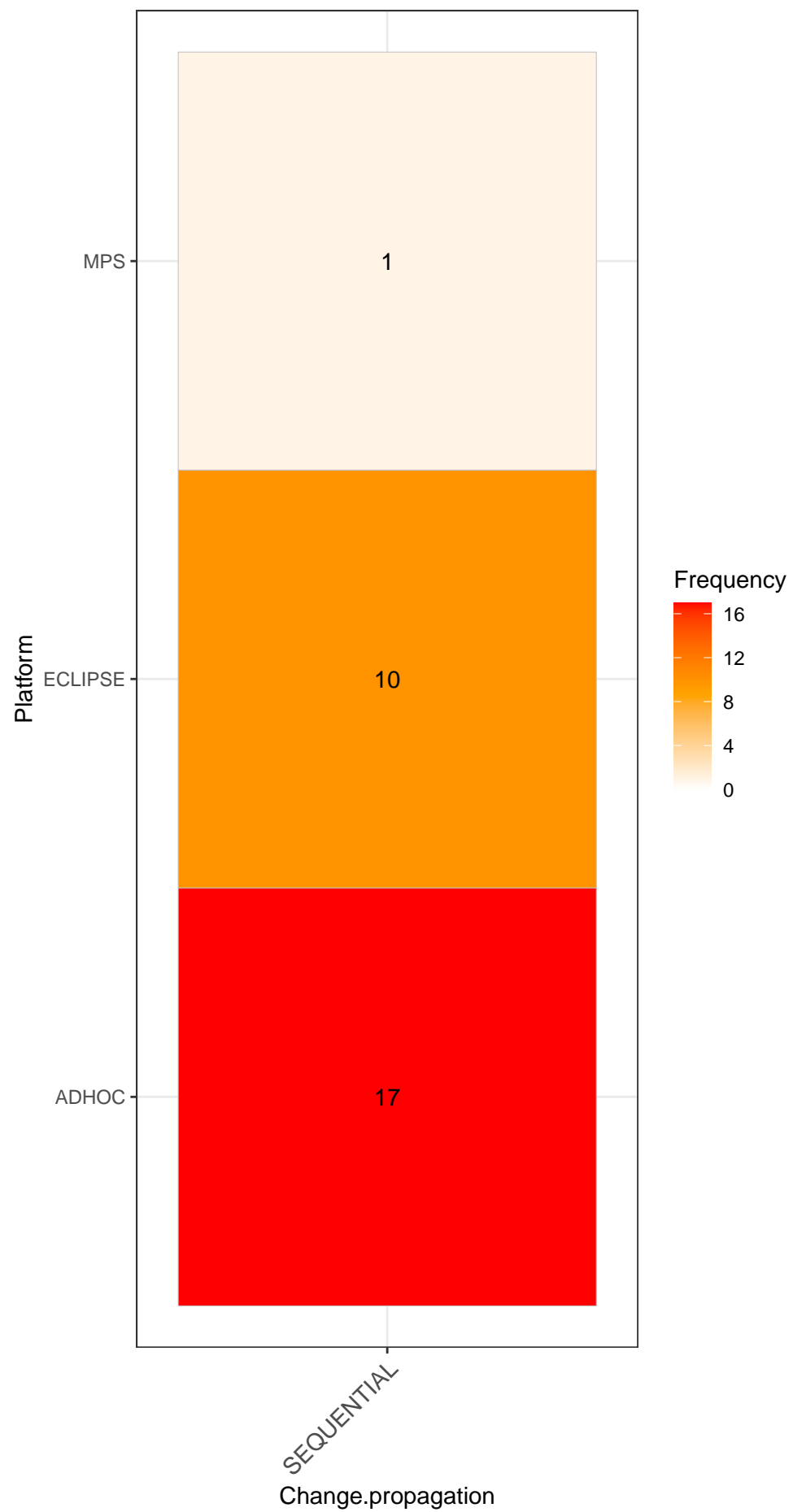
10

5

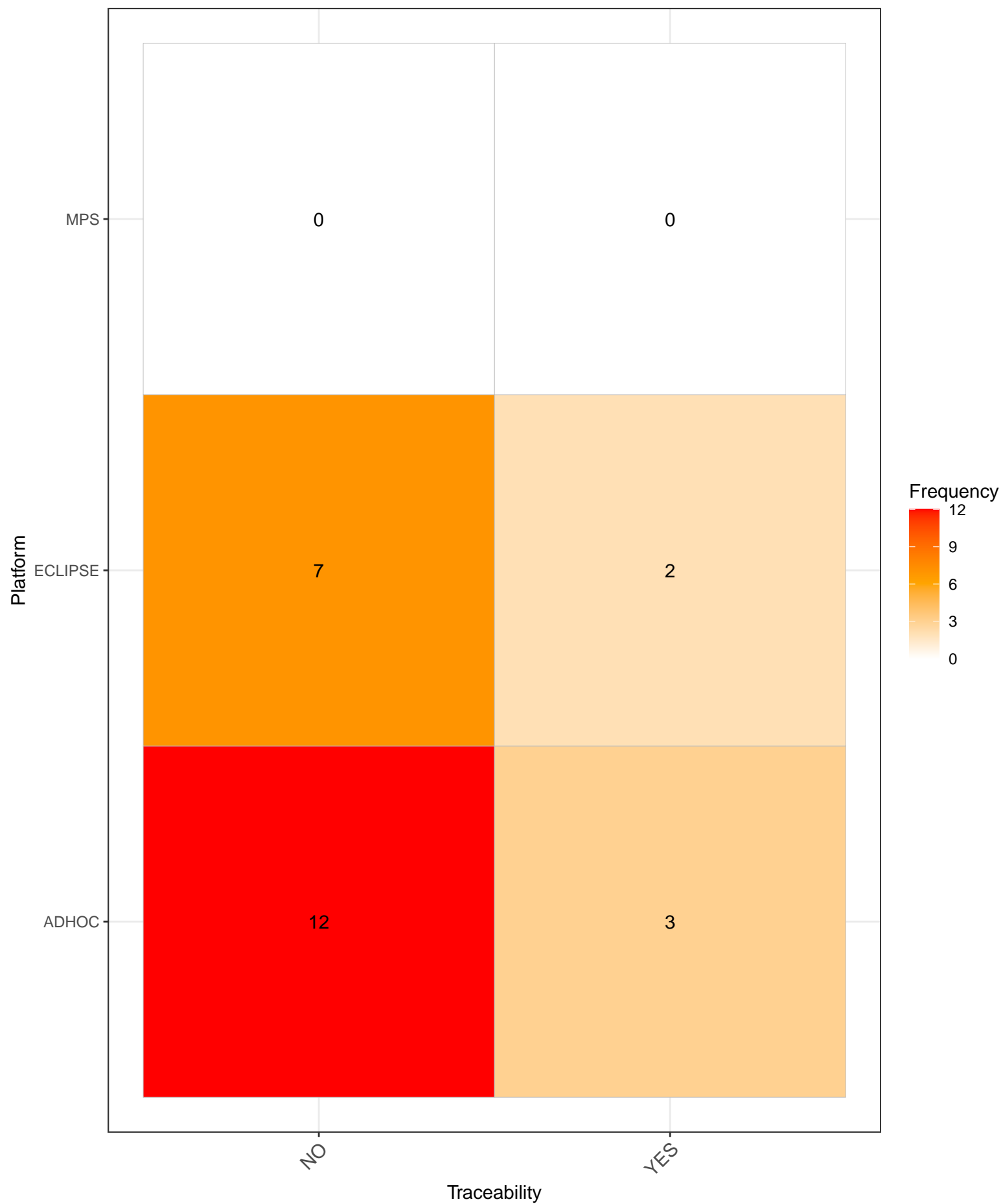
0



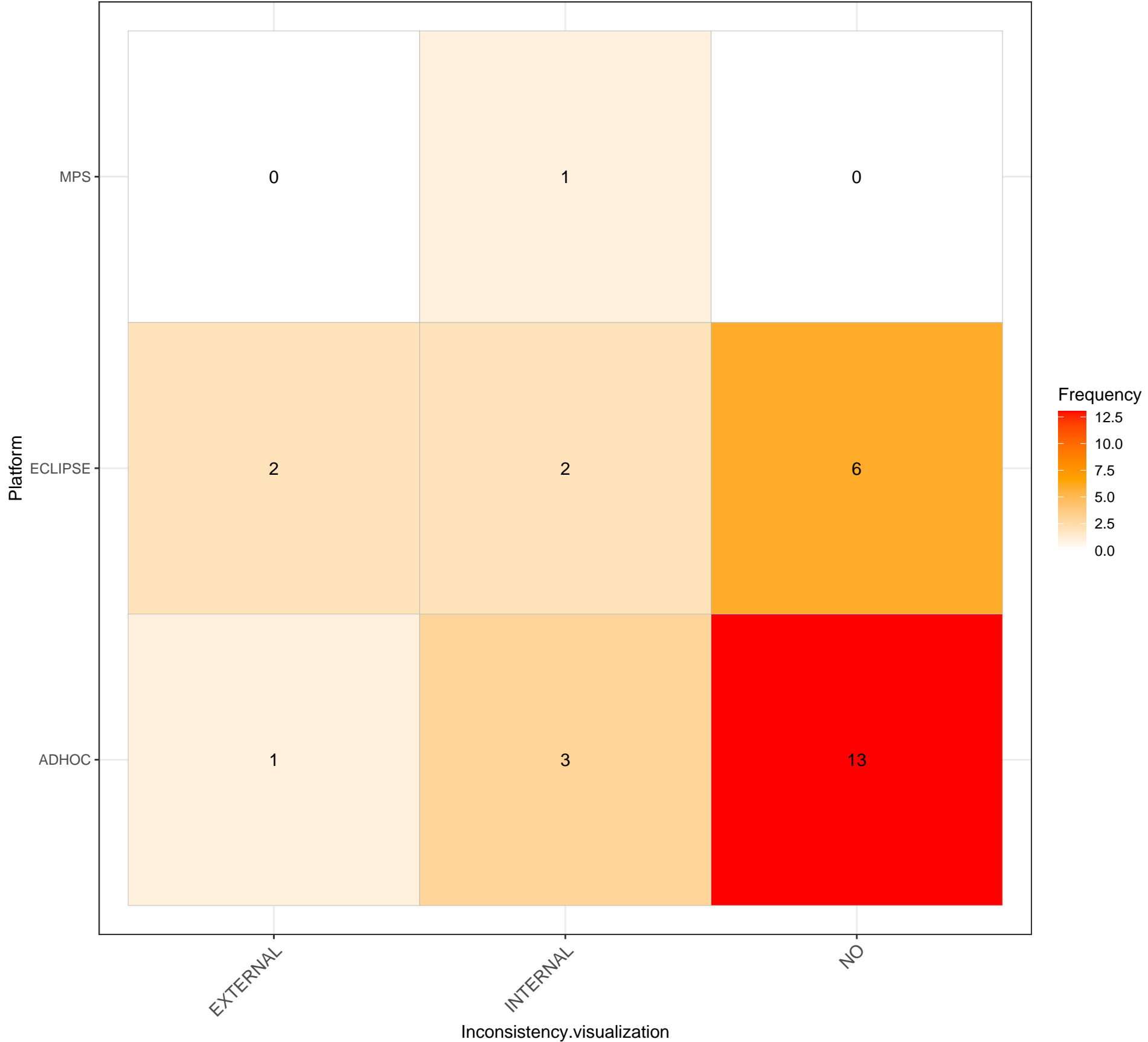
Platform_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)



Platform_____Traceability (Chi sq w/ Yates p= 1, p= 0.8967)



Platform_____Inconsistency.visualization (Chi sq w/ Yates p= 0.2634, p= 0.2634)



Platform_____Inconsistency.management.type (Chi sq w/ Yates $p=0.0945$, $p=0.0945$)

Platform

MPS

ECLIPSE

ADHOC

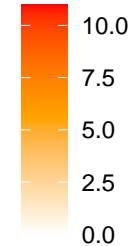
ON-DEMAND

ON-THE-FLY

PREVENTIVE

Inconsistency.management.type

Frequency



0

1

0

3

3

4

0

6

11

Platform_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.5332, p= 0.5332)

Platform

MPS

ECLIPSE

ADHOC

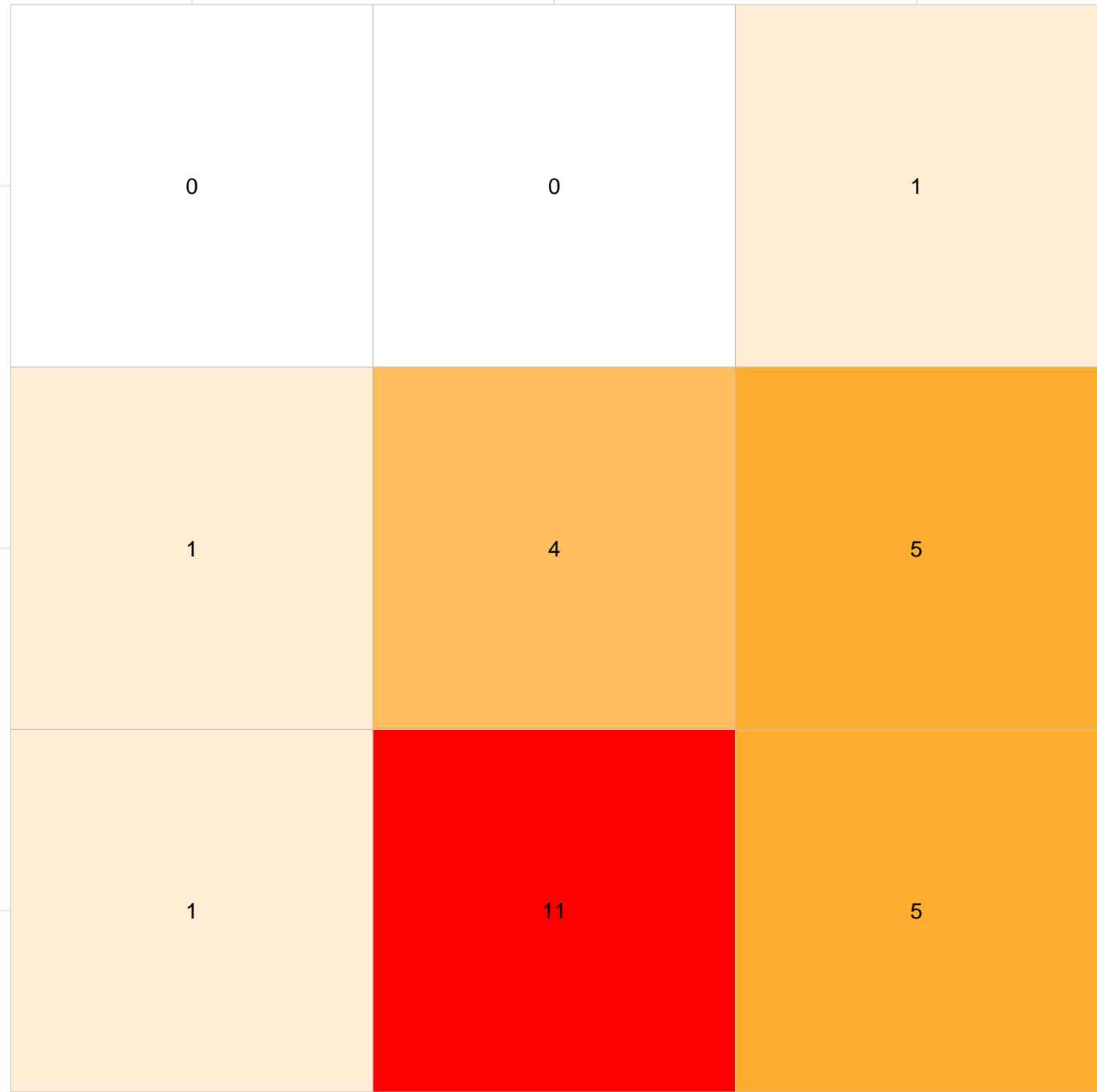
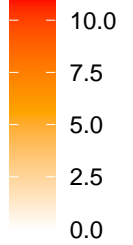
MANUAL

NOT APPLICABLE

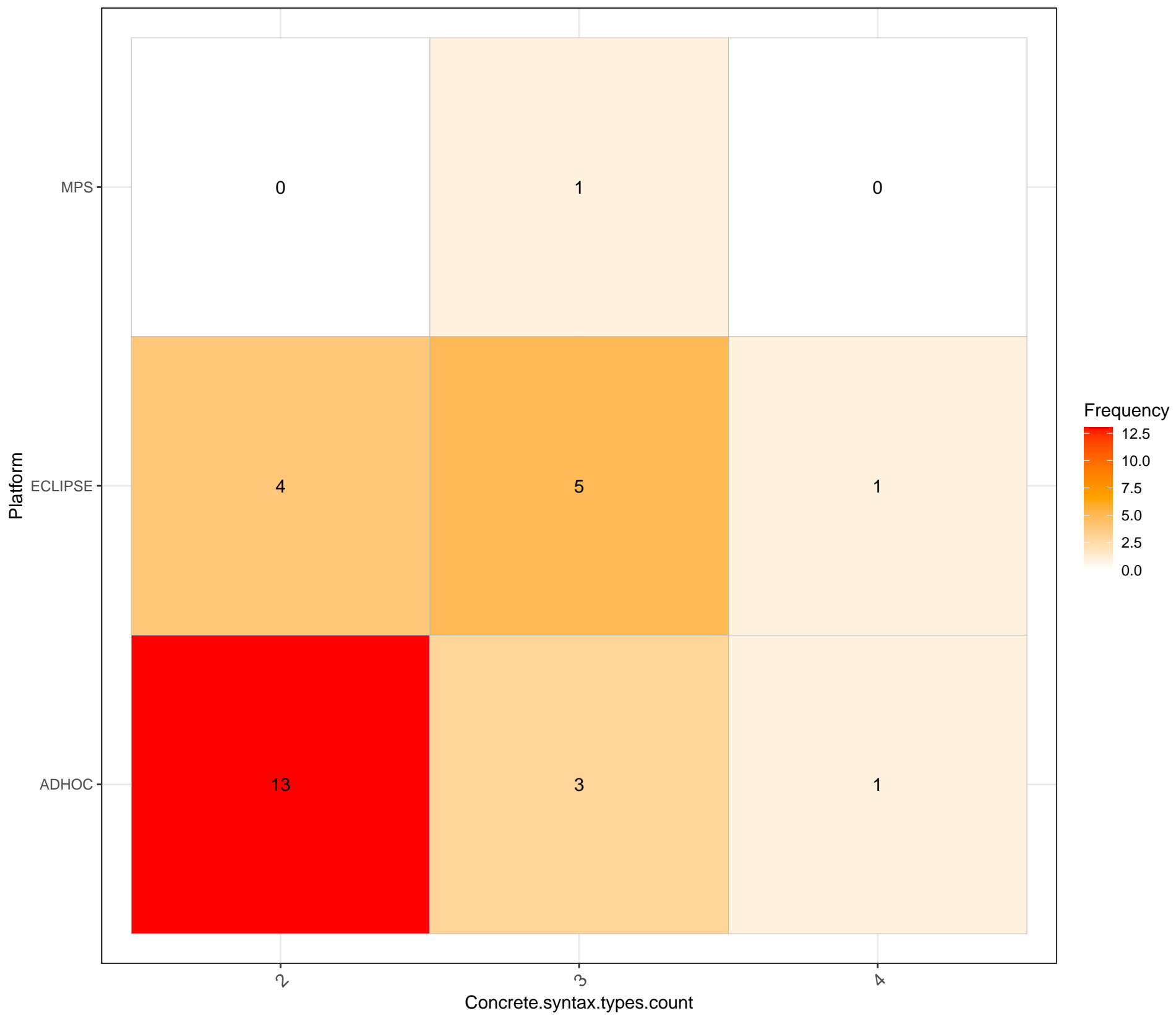
YES

Inconsistency.management.automation

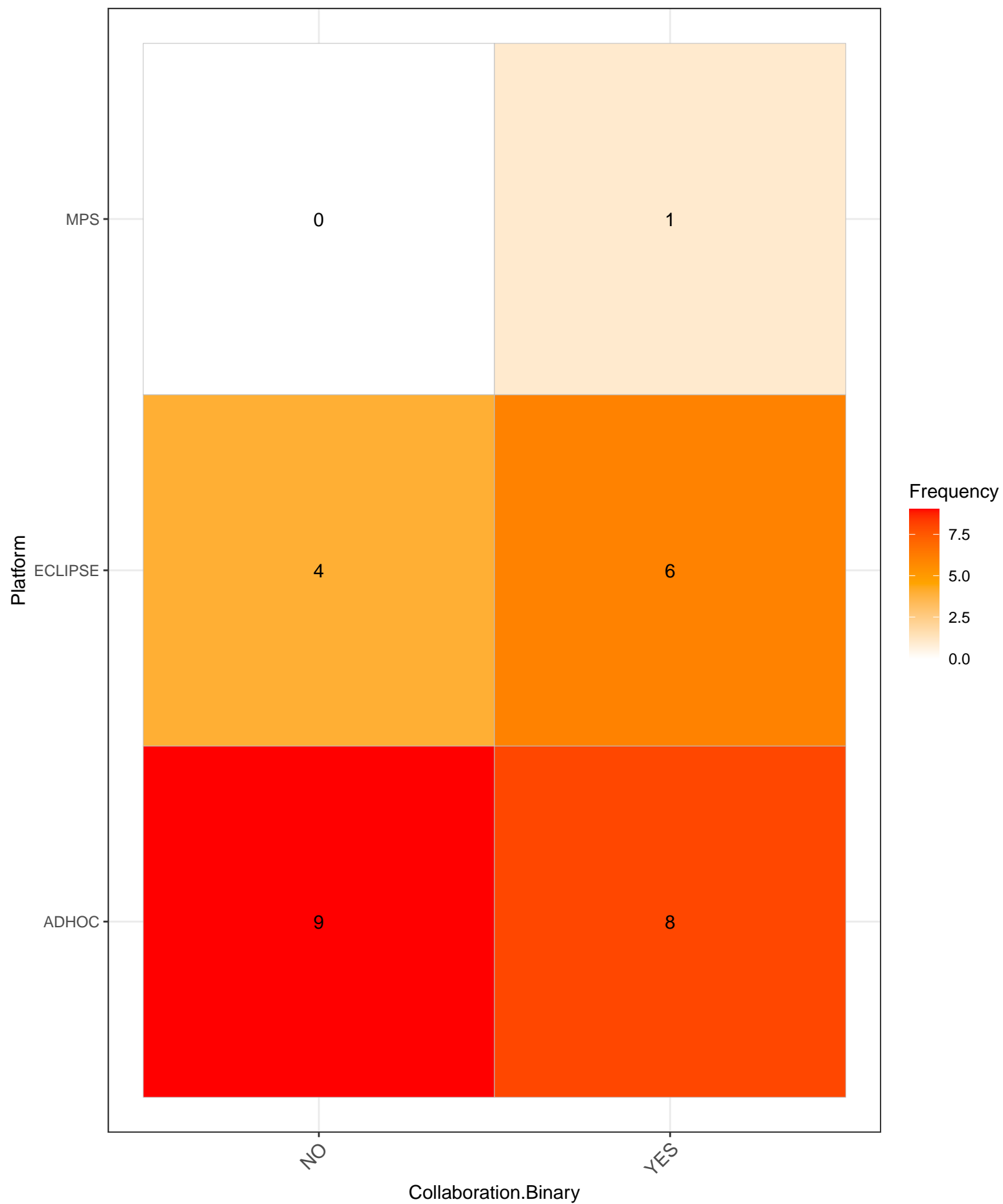
Frequency



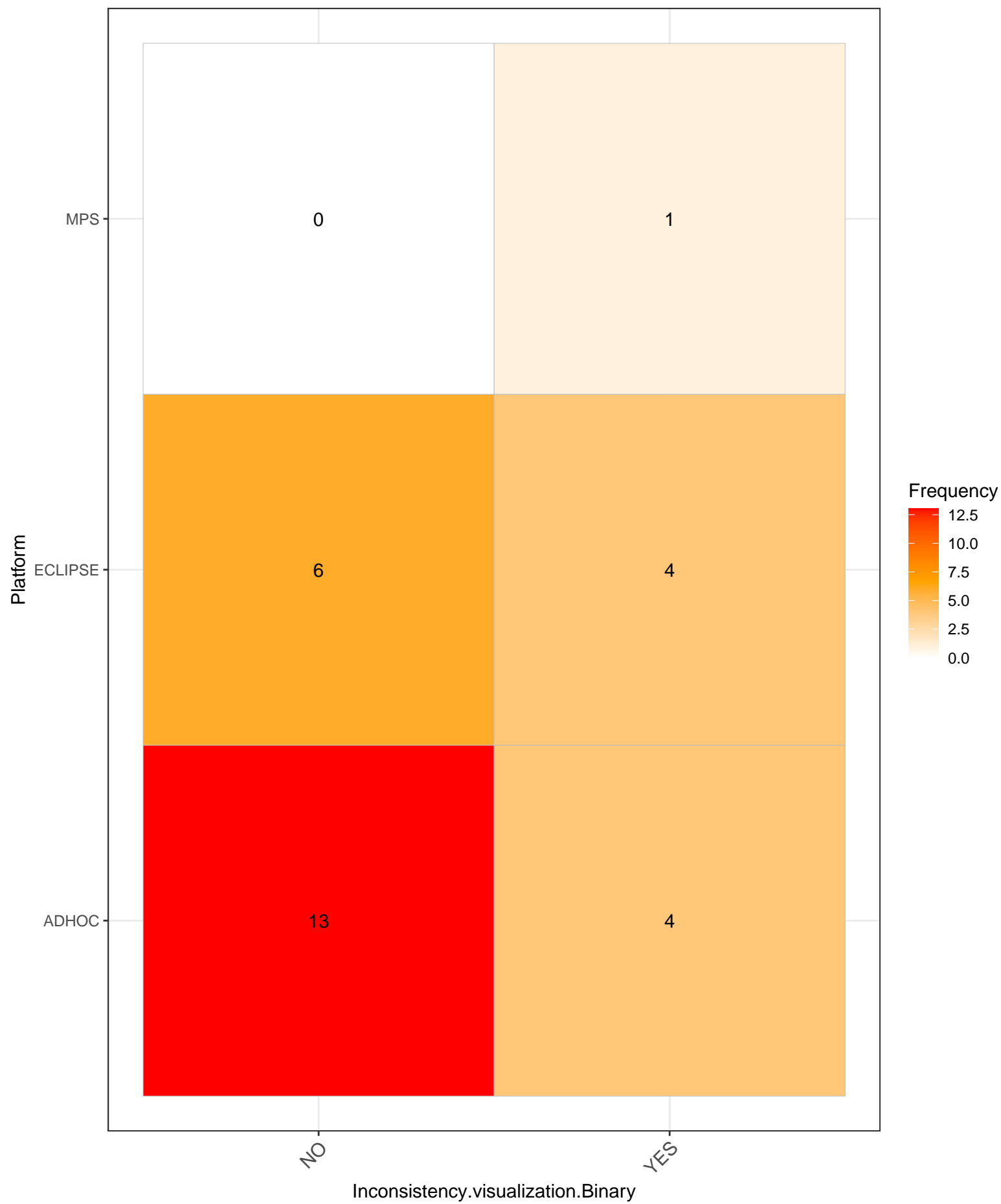
Platform_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.2171, p= 0.2171)



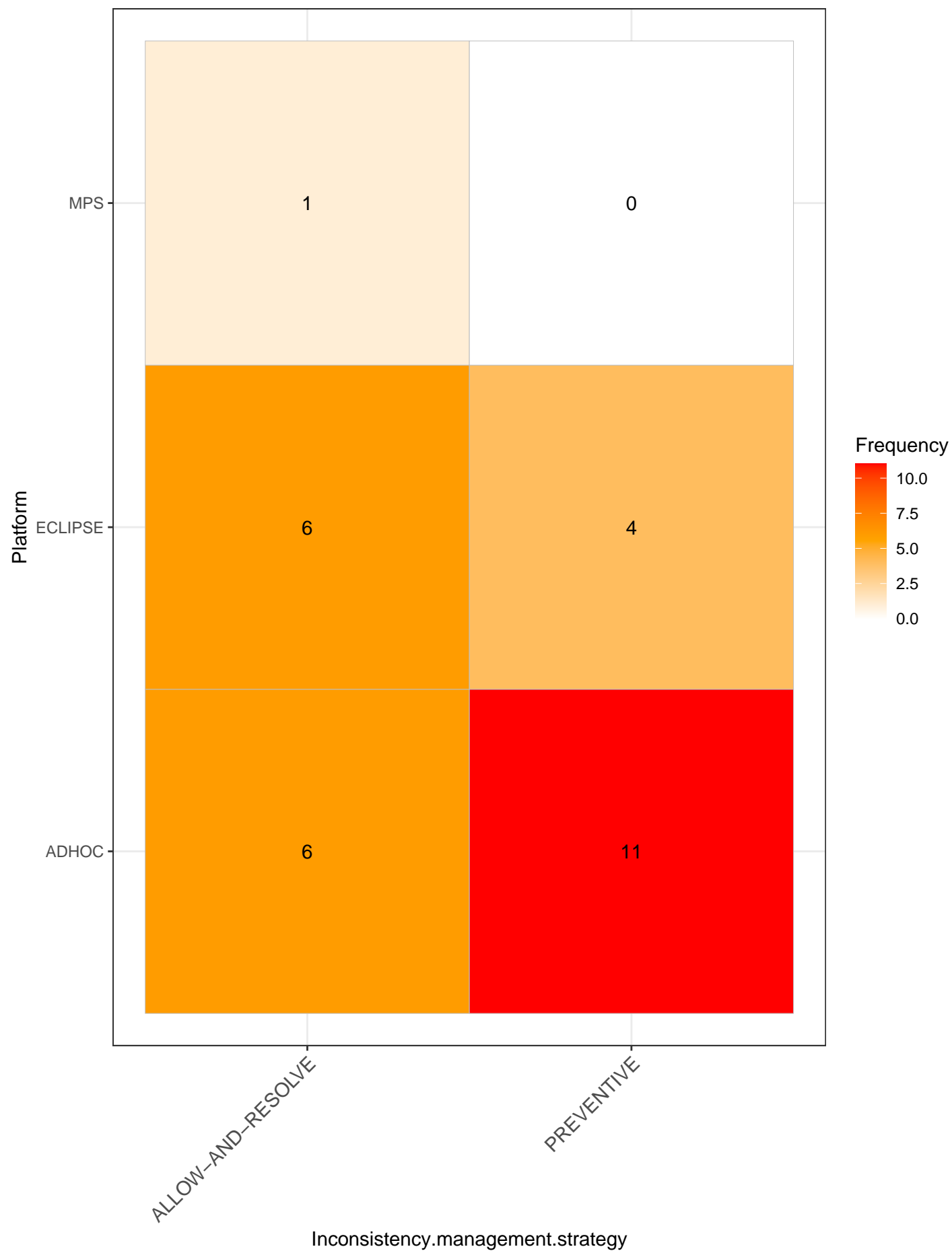
Platform____Collaboration.Binary (Chi sq w/ Yates p= 0.5162, p= 0.5162)



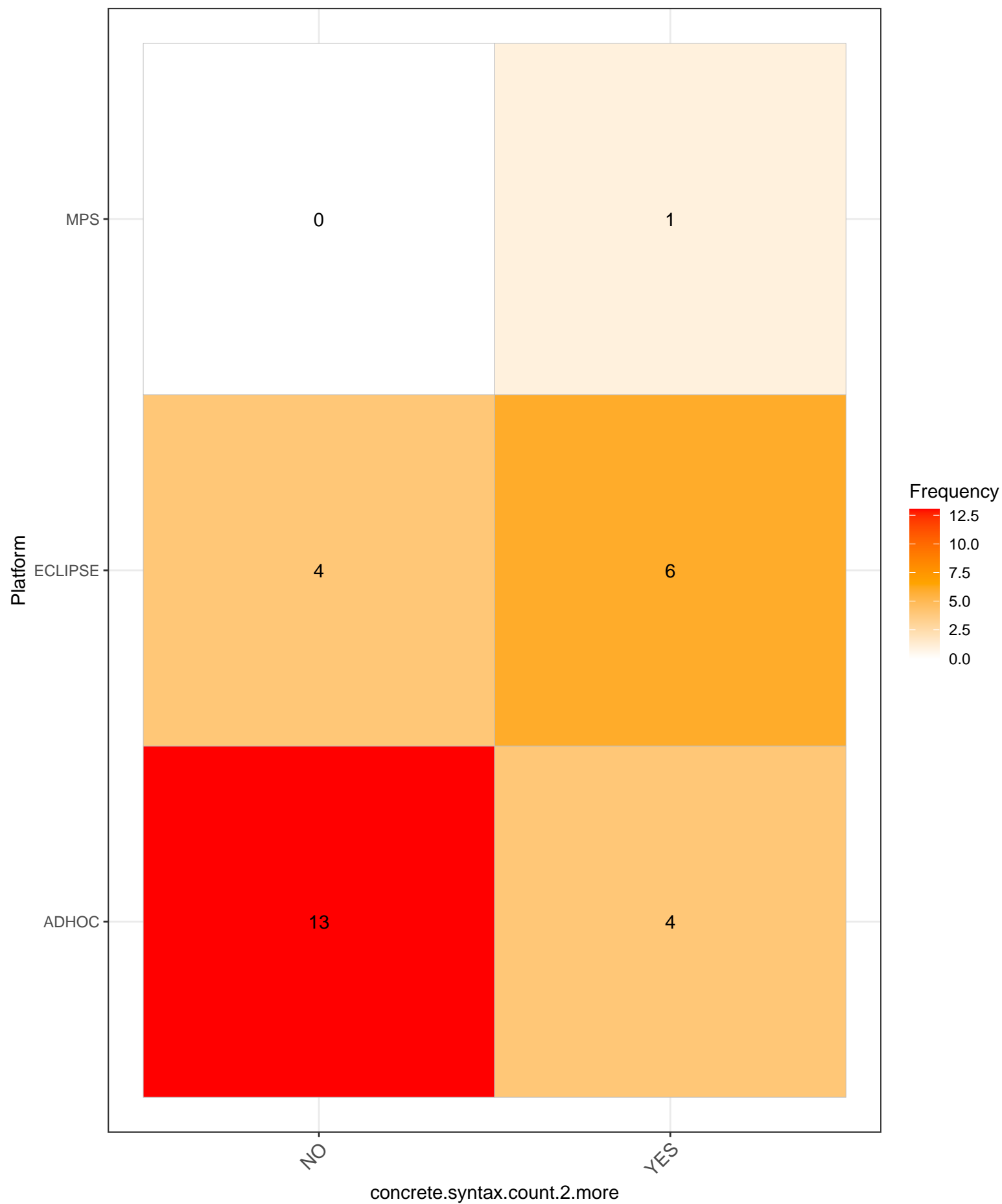
Platform_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.2262, p= 0.2262)



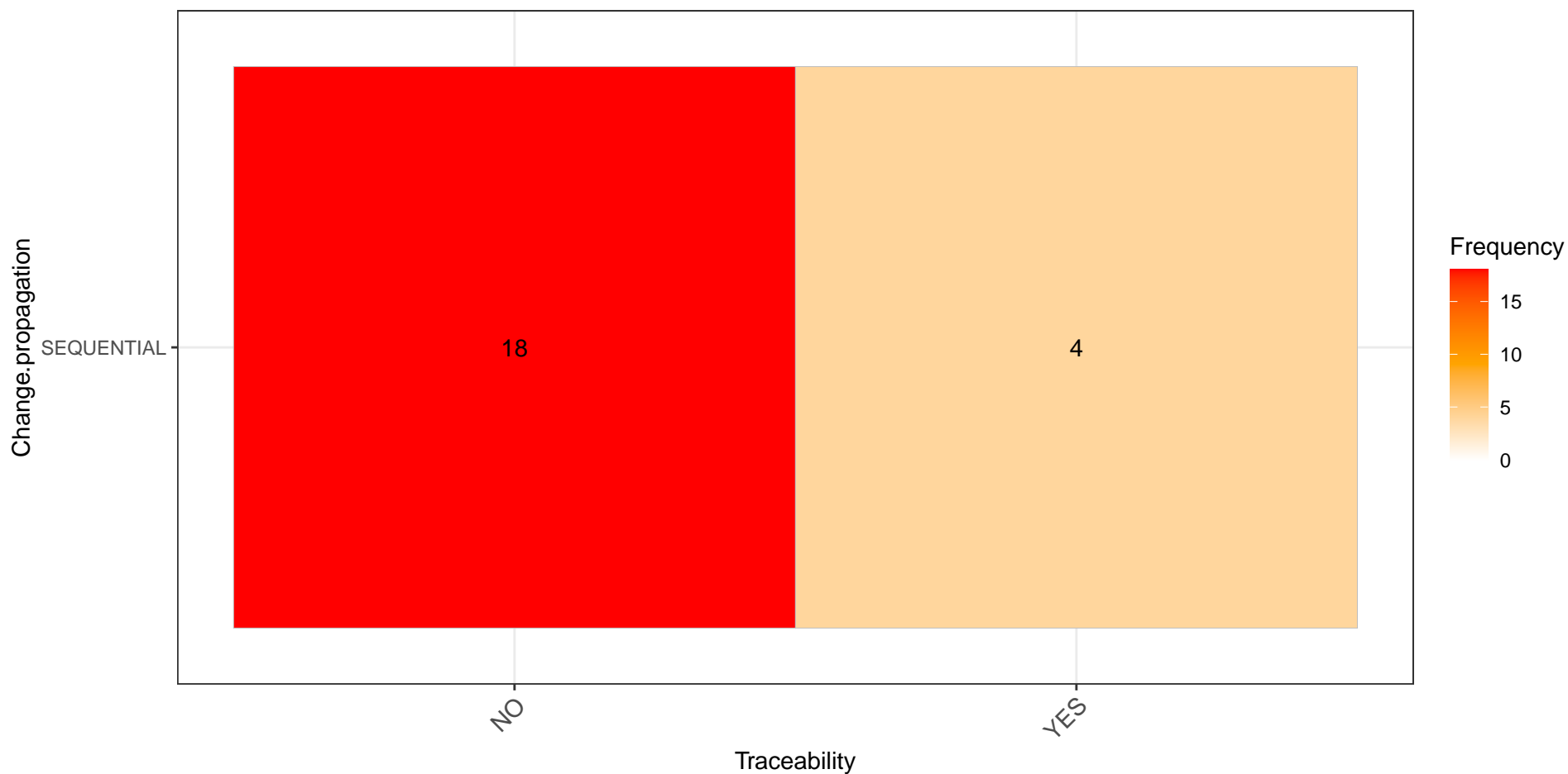
Platform_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.2539, p= 0.2539)



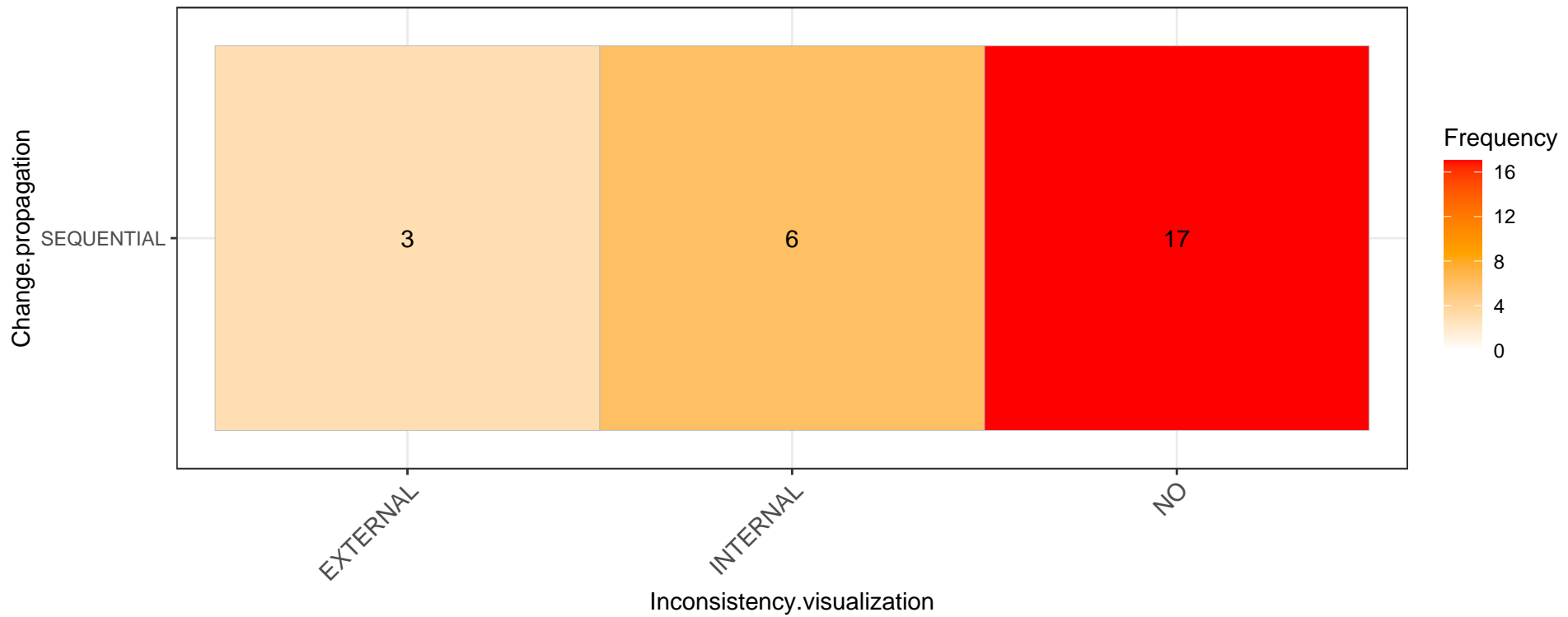
Platform____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.0775, p= 0.0775)



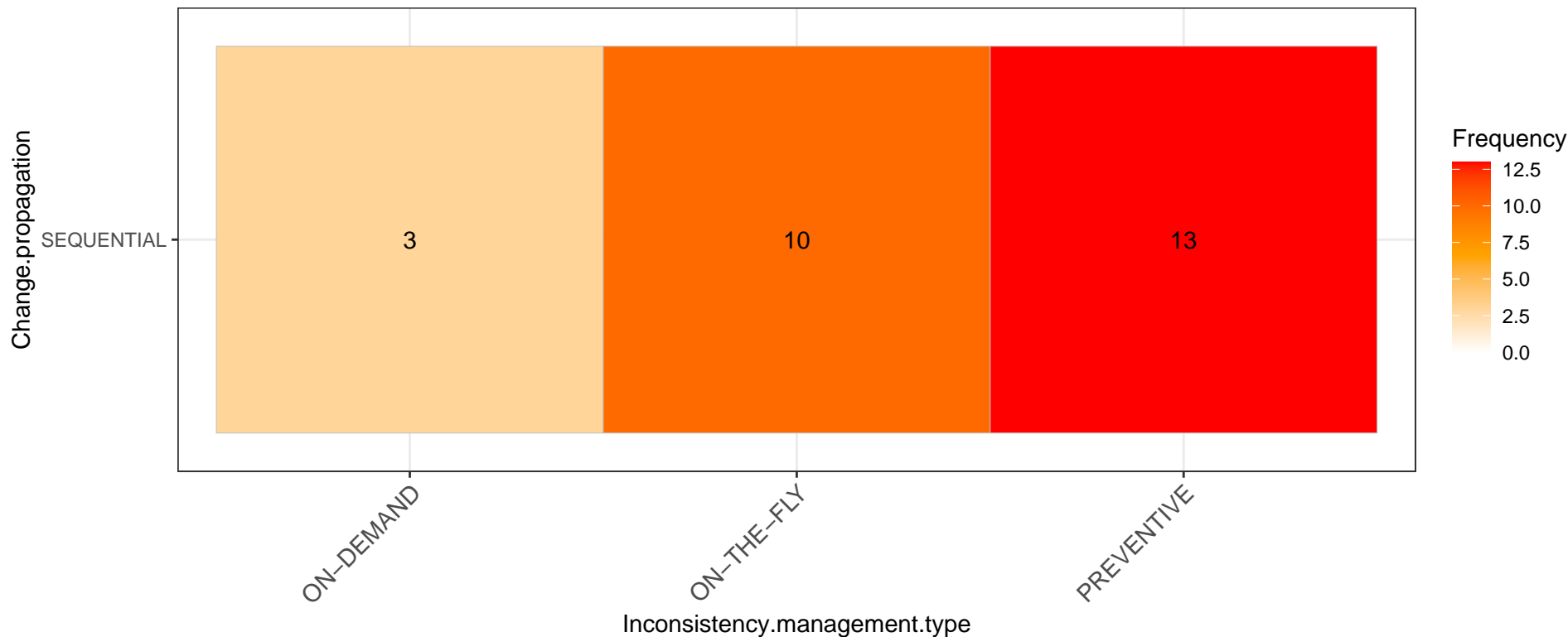
Change.propagation_____Traceability (Chi sq w/ Yates p= 0.0028, p= 0.0028)



Change.propagation_____Inconsistency.visualization (Chi sq w/ Yates p= 0.0019, p= 0.0019)



Change.propagation_____Inconsistency.management.type (Chi sq w/ Yates p= 0.0479, p= 0.0479)



Change.propagation_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.019, p= 0.019)

Change.propagation

SEQUENTIAL

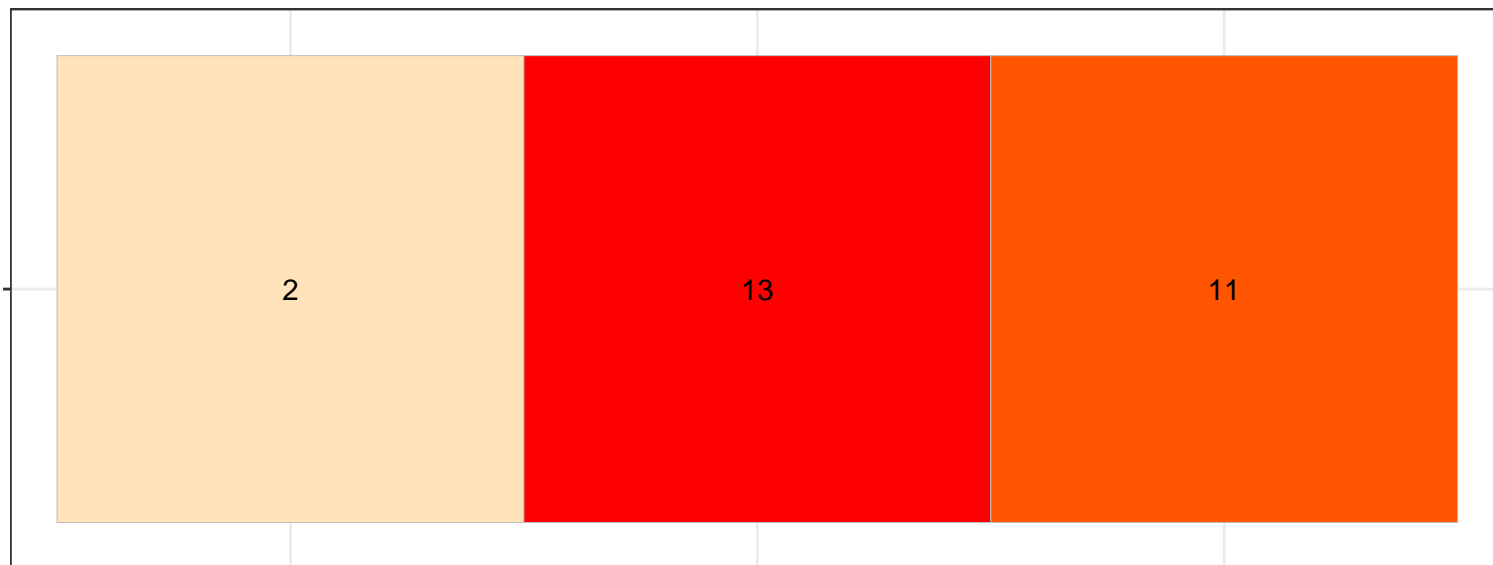
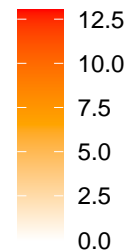
MANUAL

NOT APPLICABLE

YES

Inconsistency.management.automation

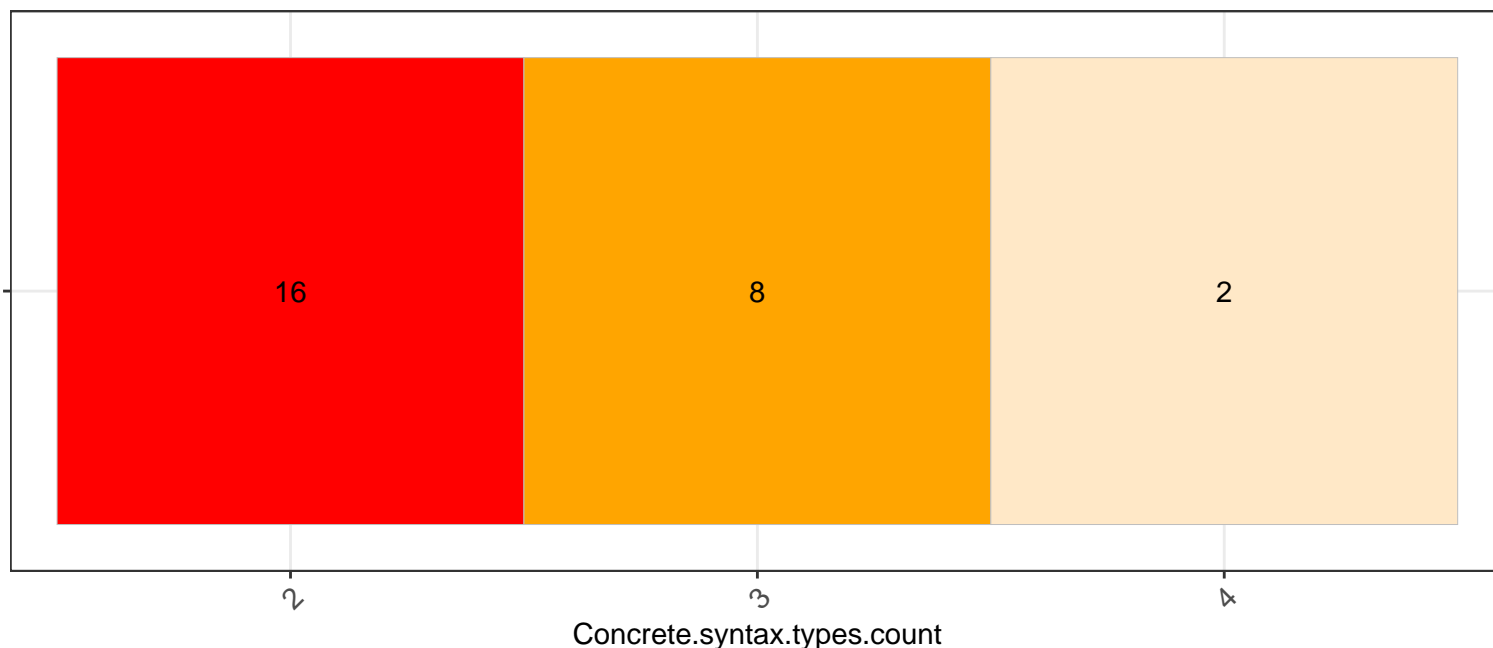
Frequency



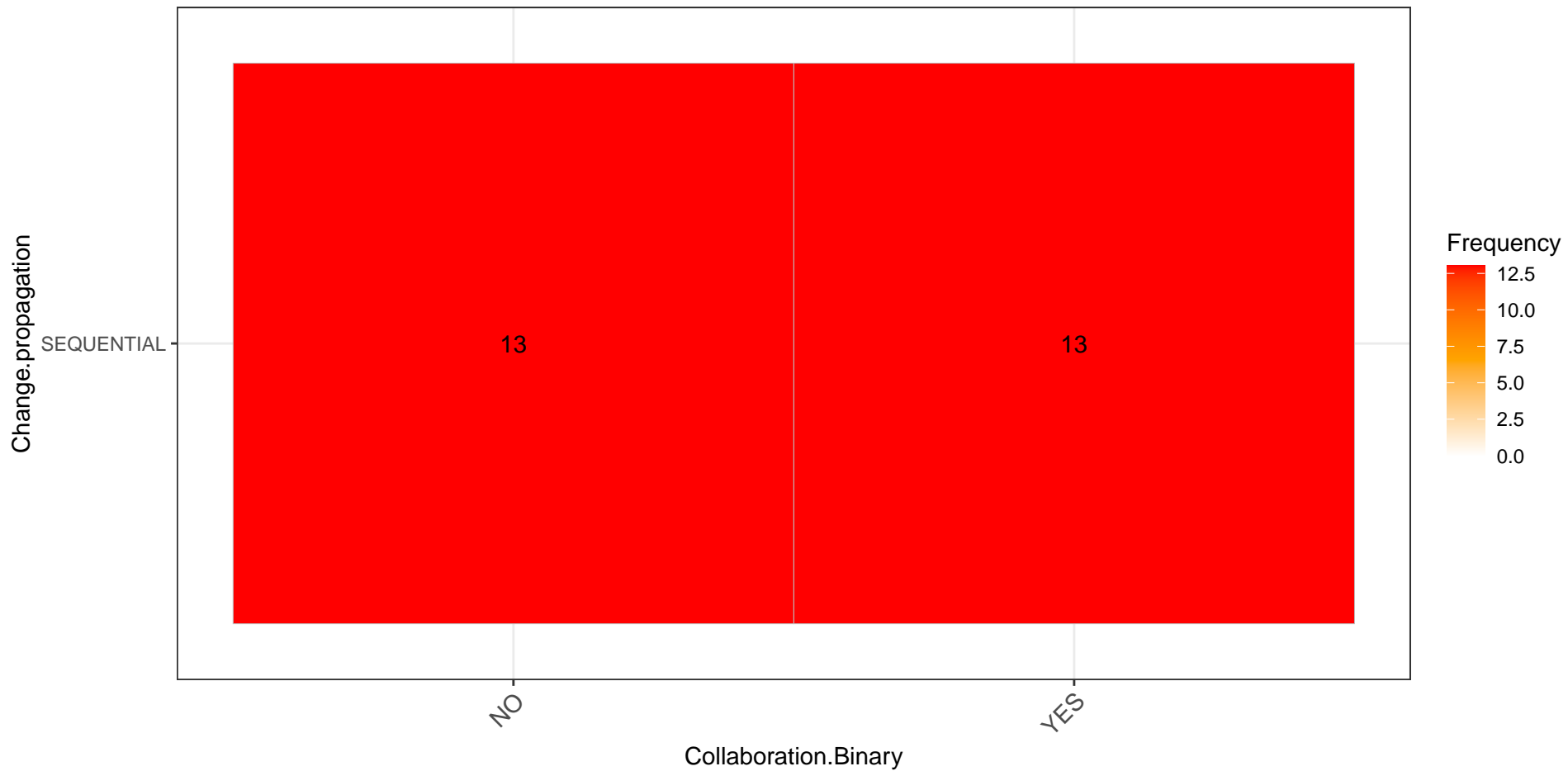
Change.propagation_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.0034, p= 0.0034)

Change.propagation

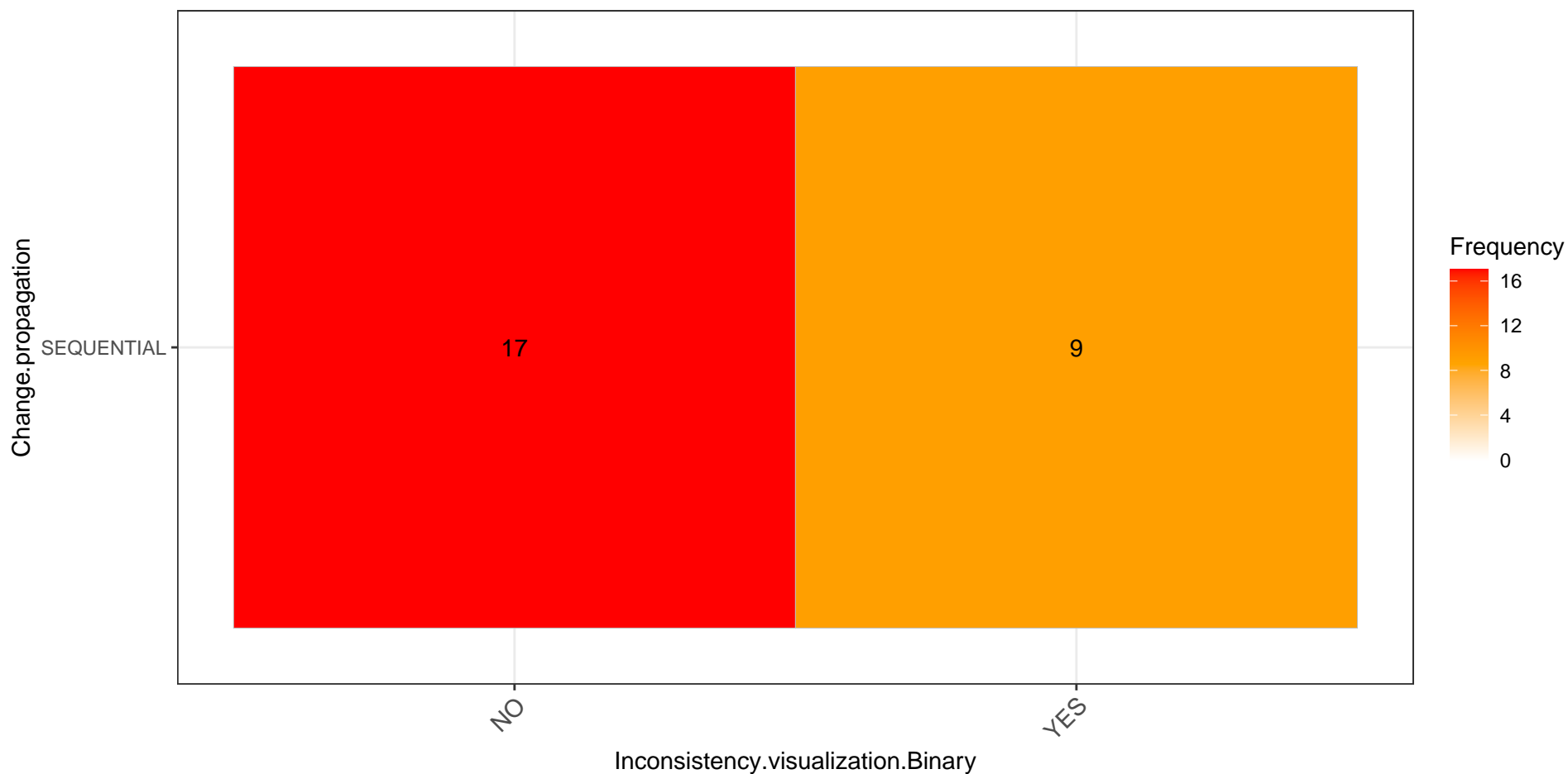
SEQUENTIAL



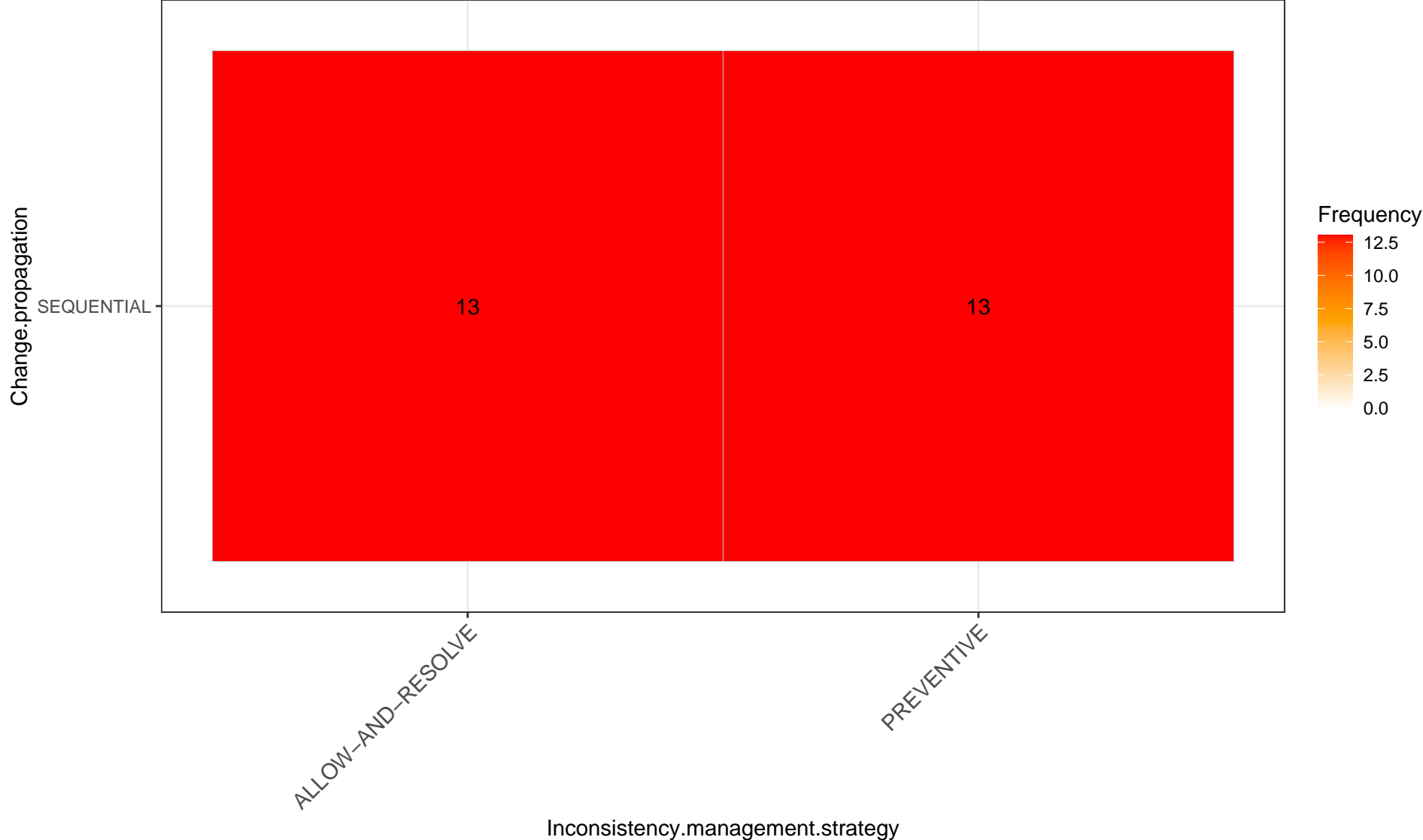
Change.propagation____Collaboration.Binary (Chi sq w/ Yates p= 1, p= 1)



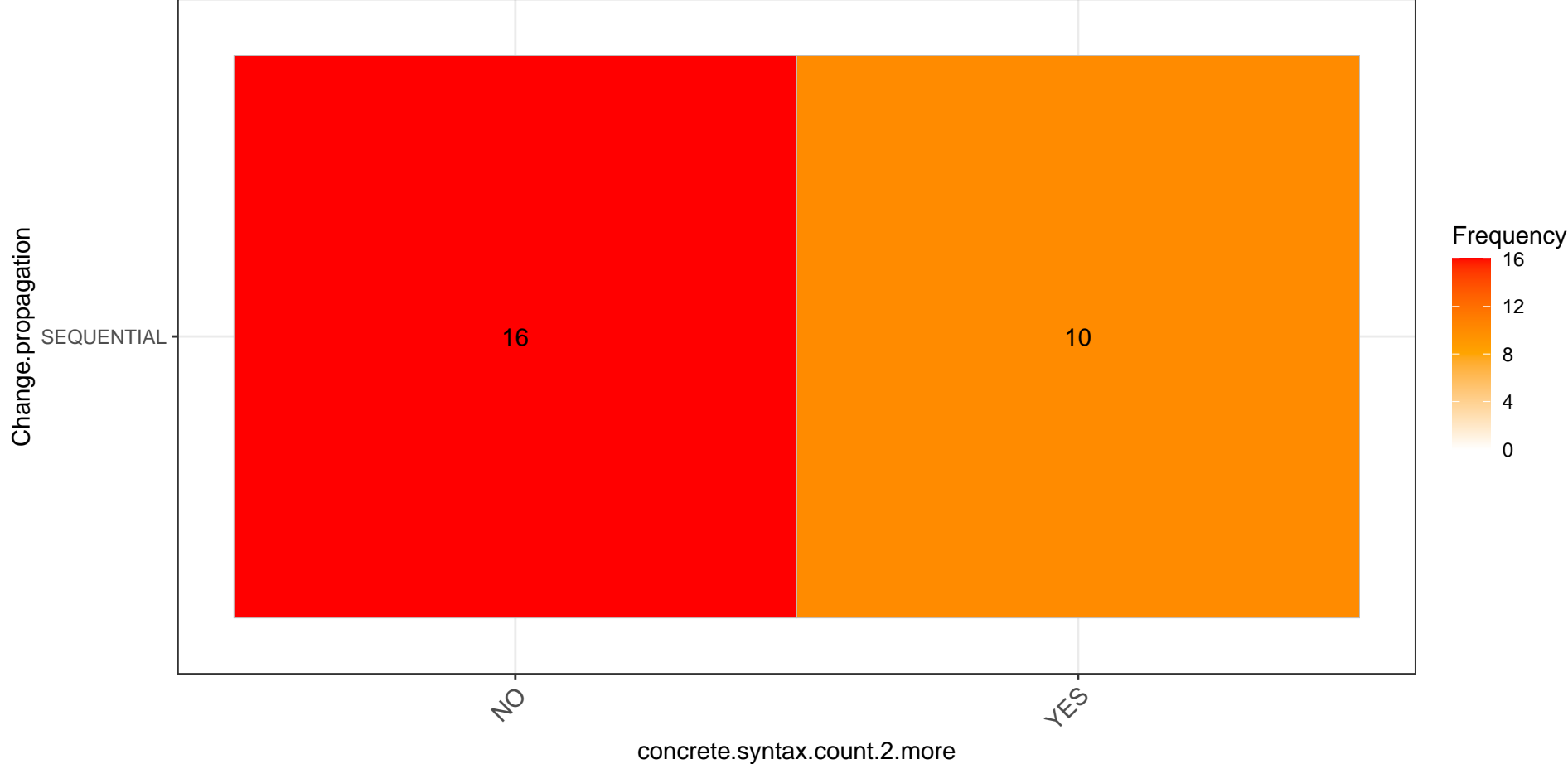
Change.propagation_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.1167, p= 0.1167)



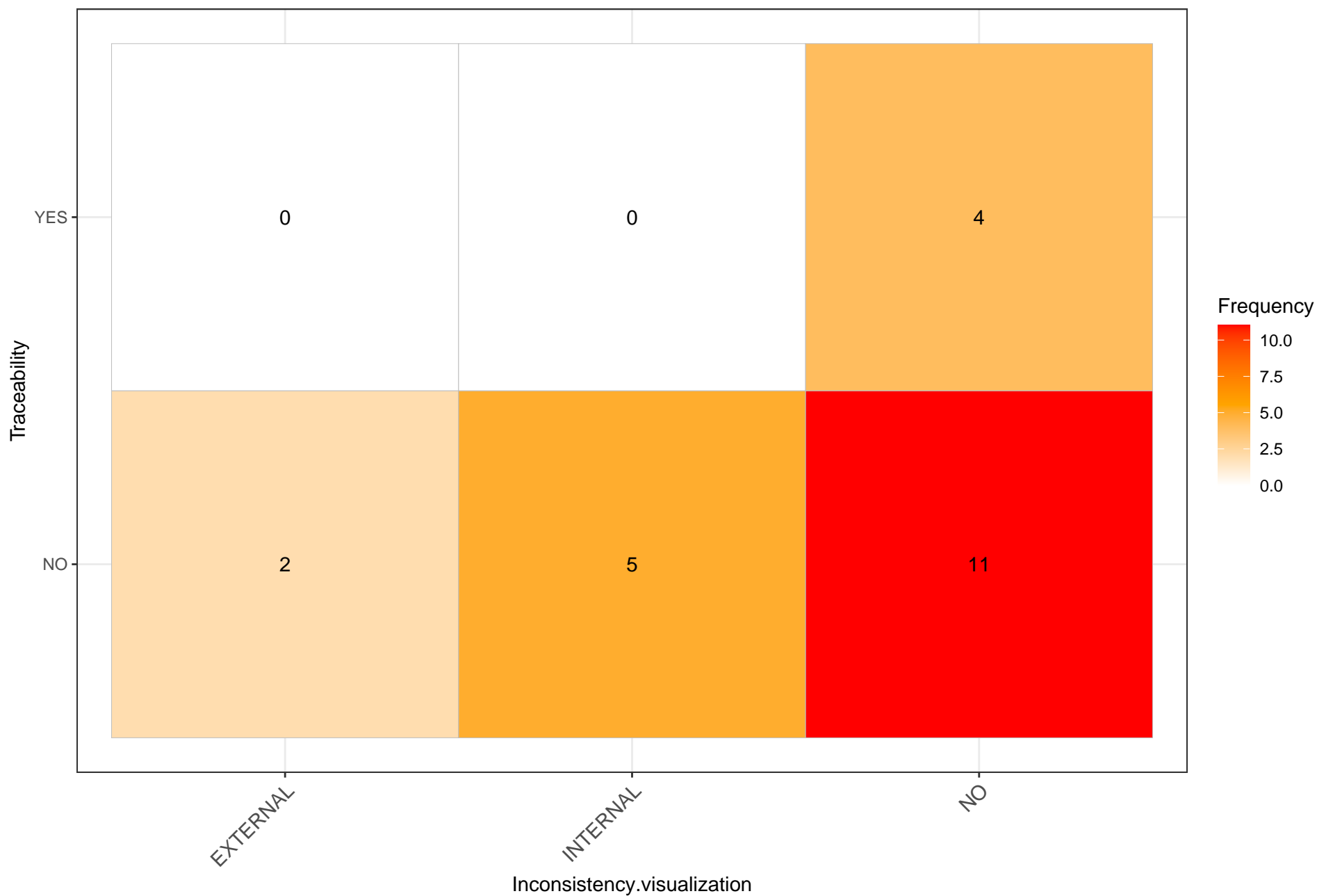
Change.propagation____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 1)



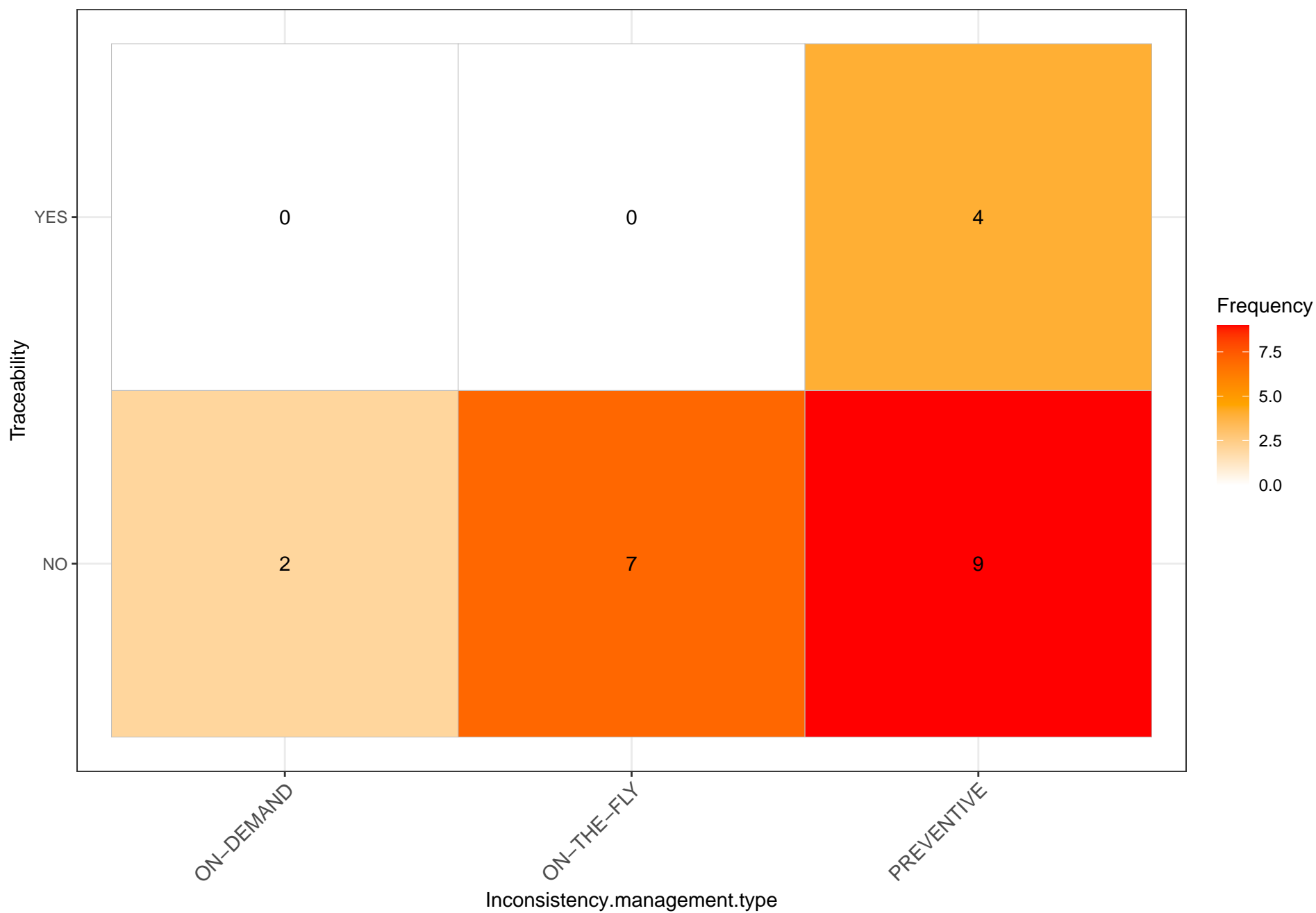
Change.propagation____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.2393, p= 0.2393)



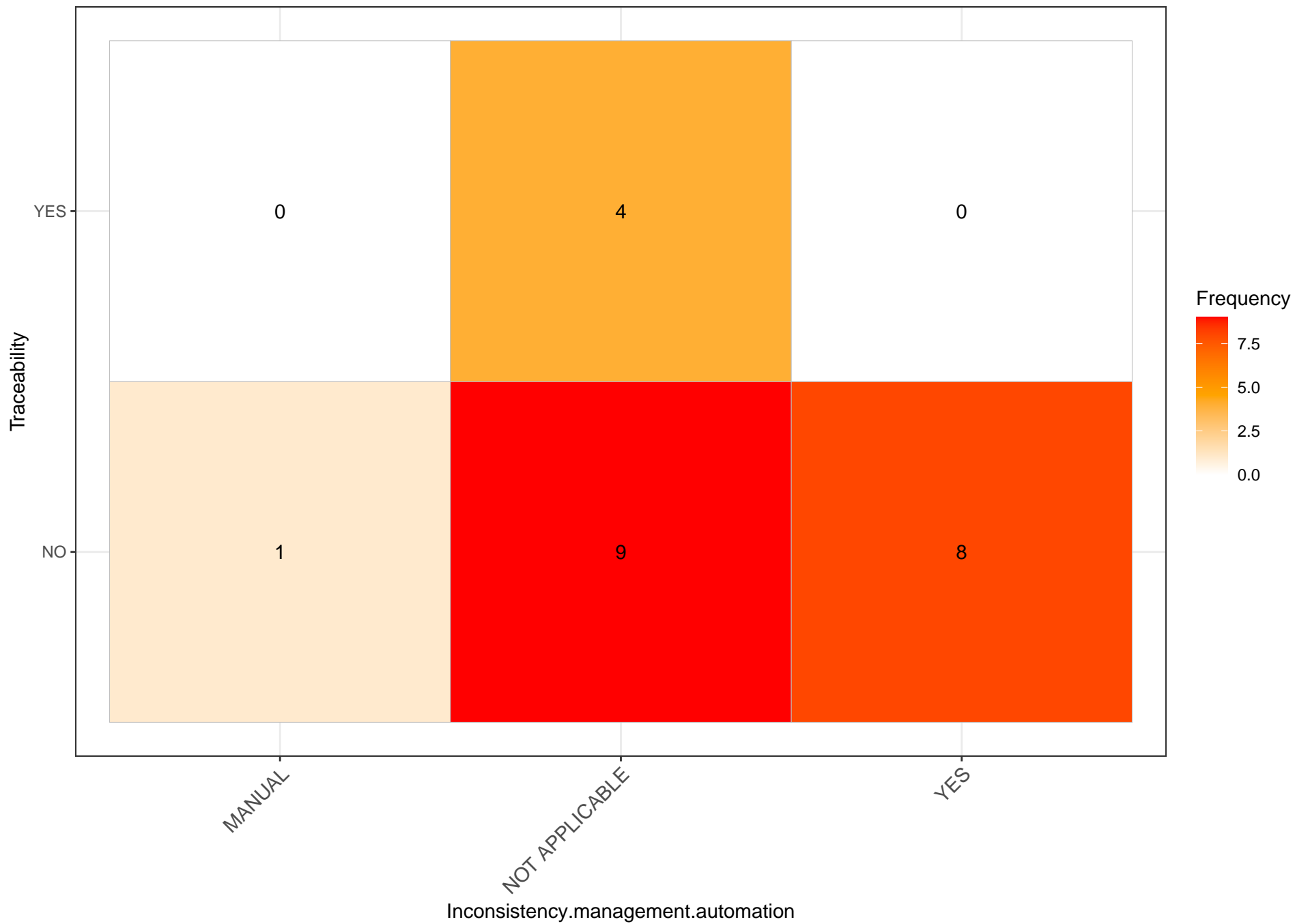
Traceability_____Inconsistency.visualization (Chi sq w/ Yates p= 0.3196, p= 0.3196)



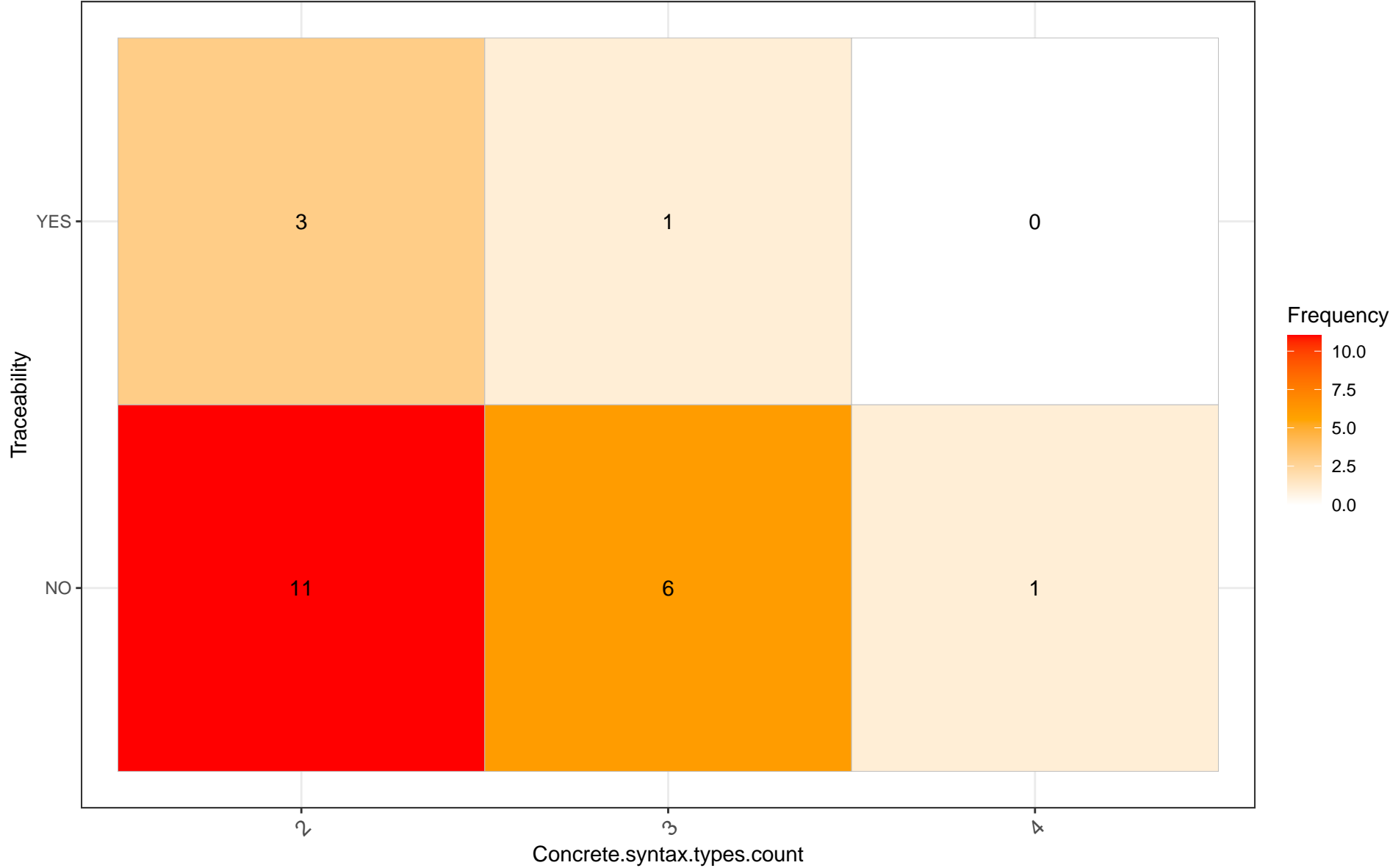
Traceability_____Inconsistency.management.type (Chi sq w/ Yates p= 0.1841, p= 0.1841)



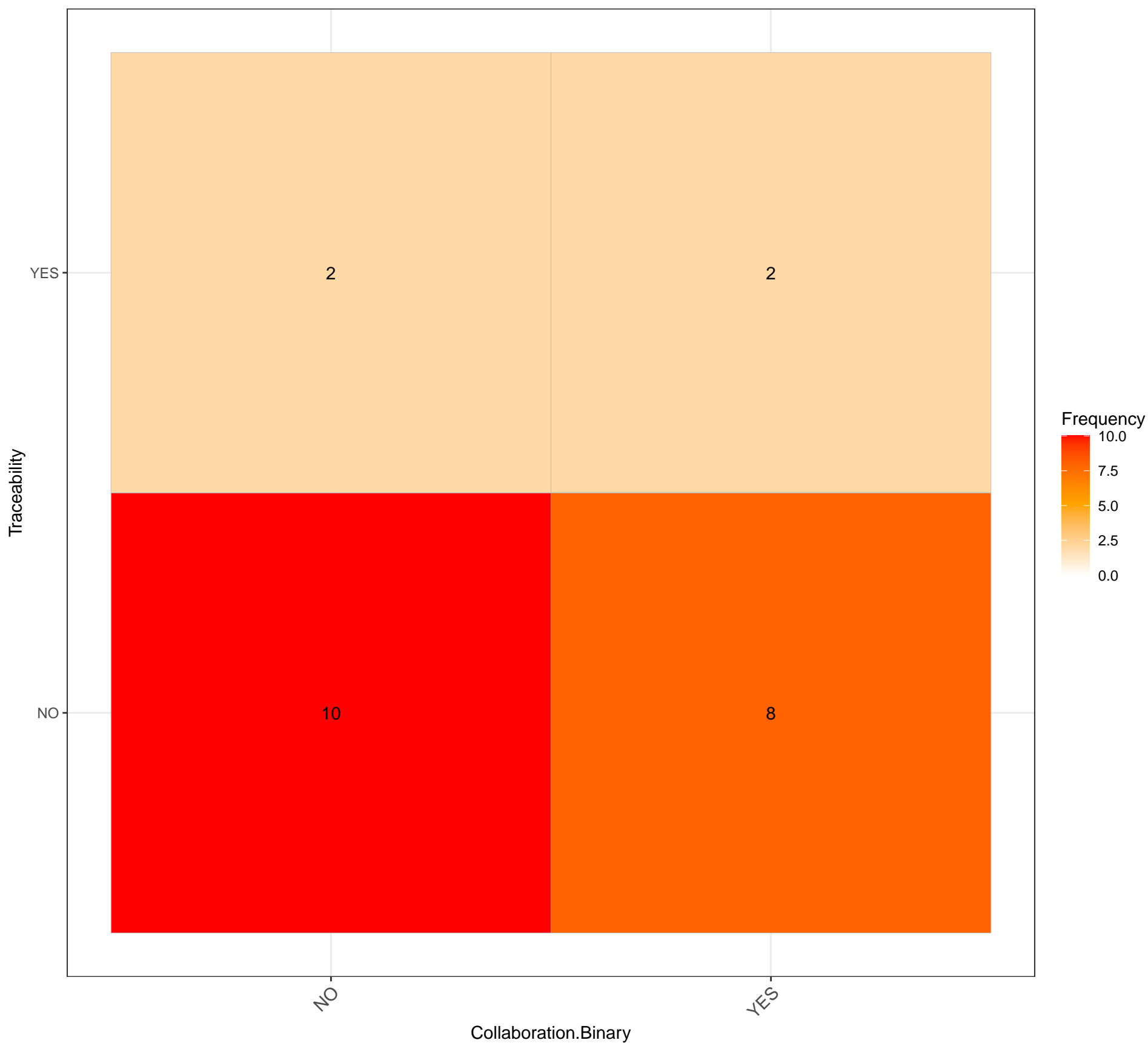
Traceability_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.1841, p= 0.1841)



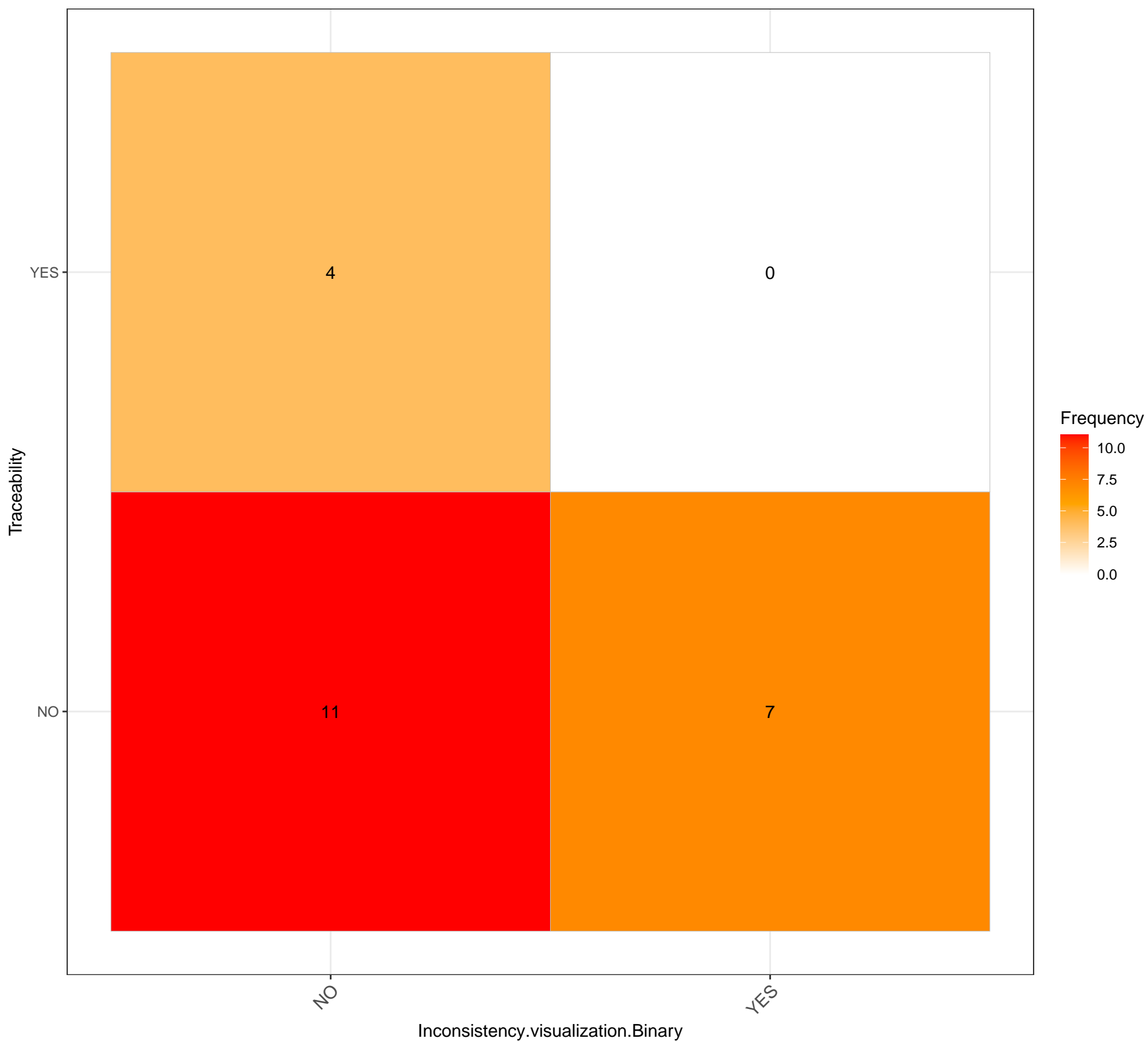
Traceability_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.8217, p= 0.8217)



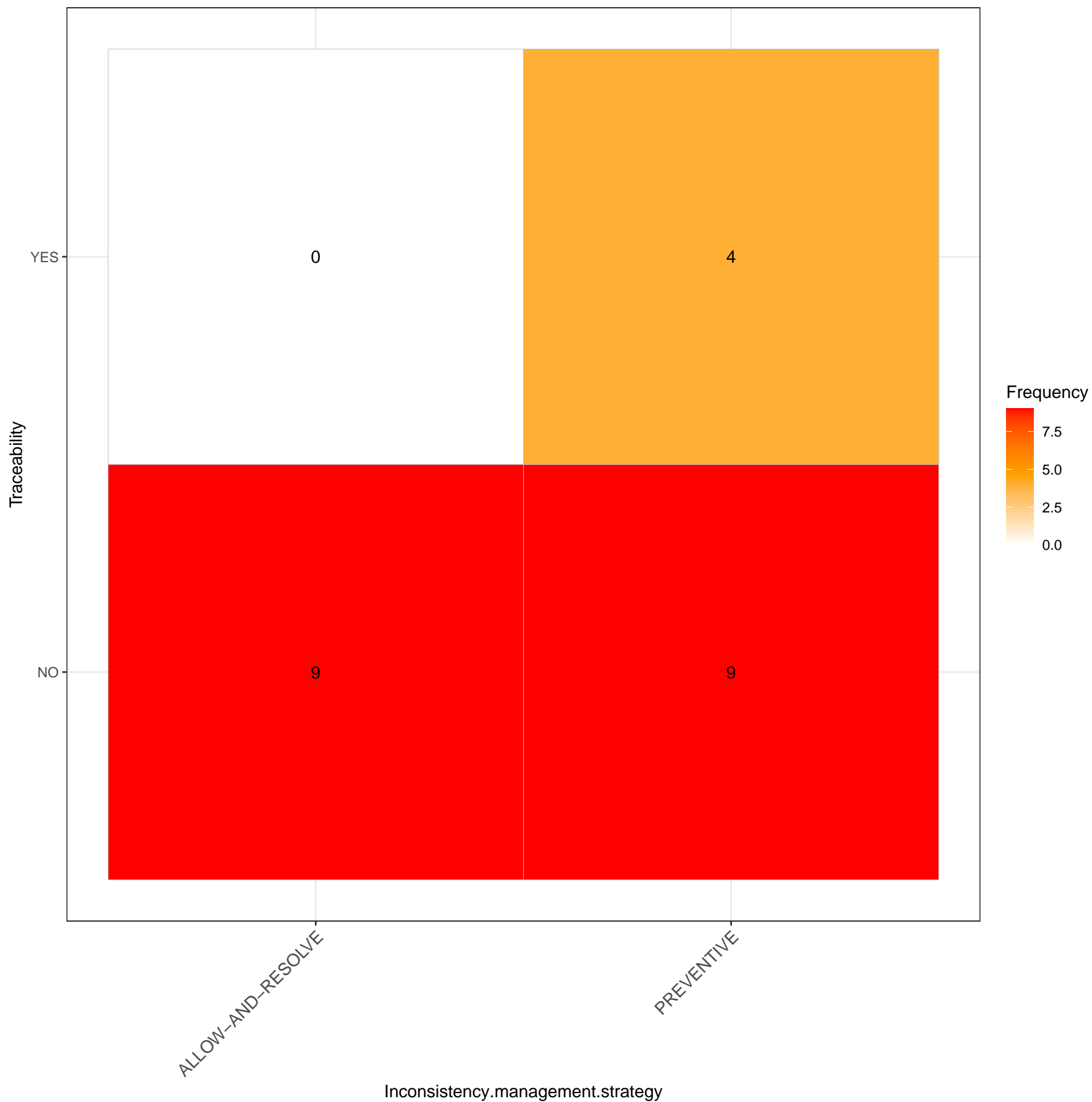
Traceability_____Collaboration.Binary (Chi sq w/ Yates p= 1, p= 0.84)



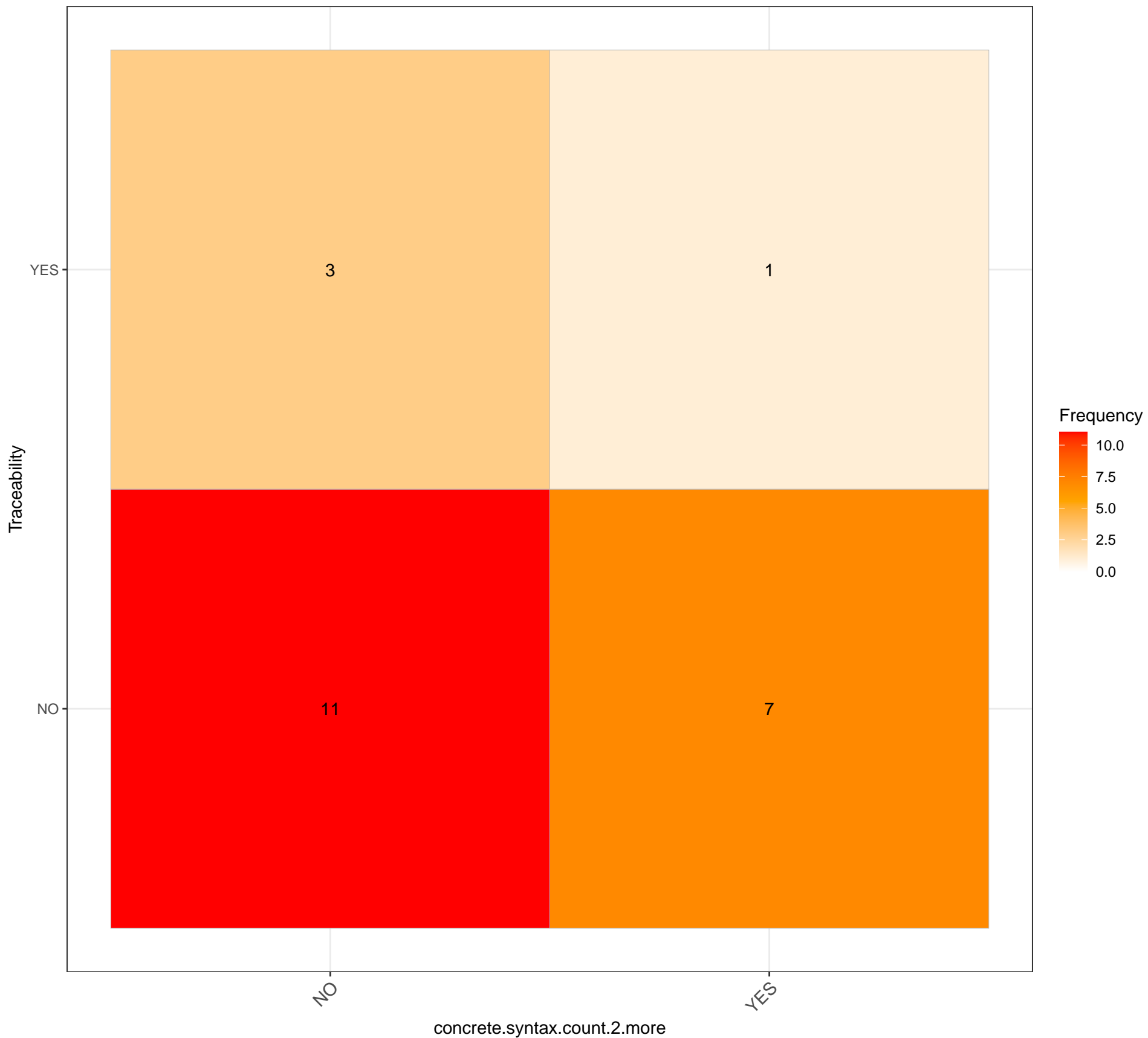
Traceability_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.3591, p= 0.1309)



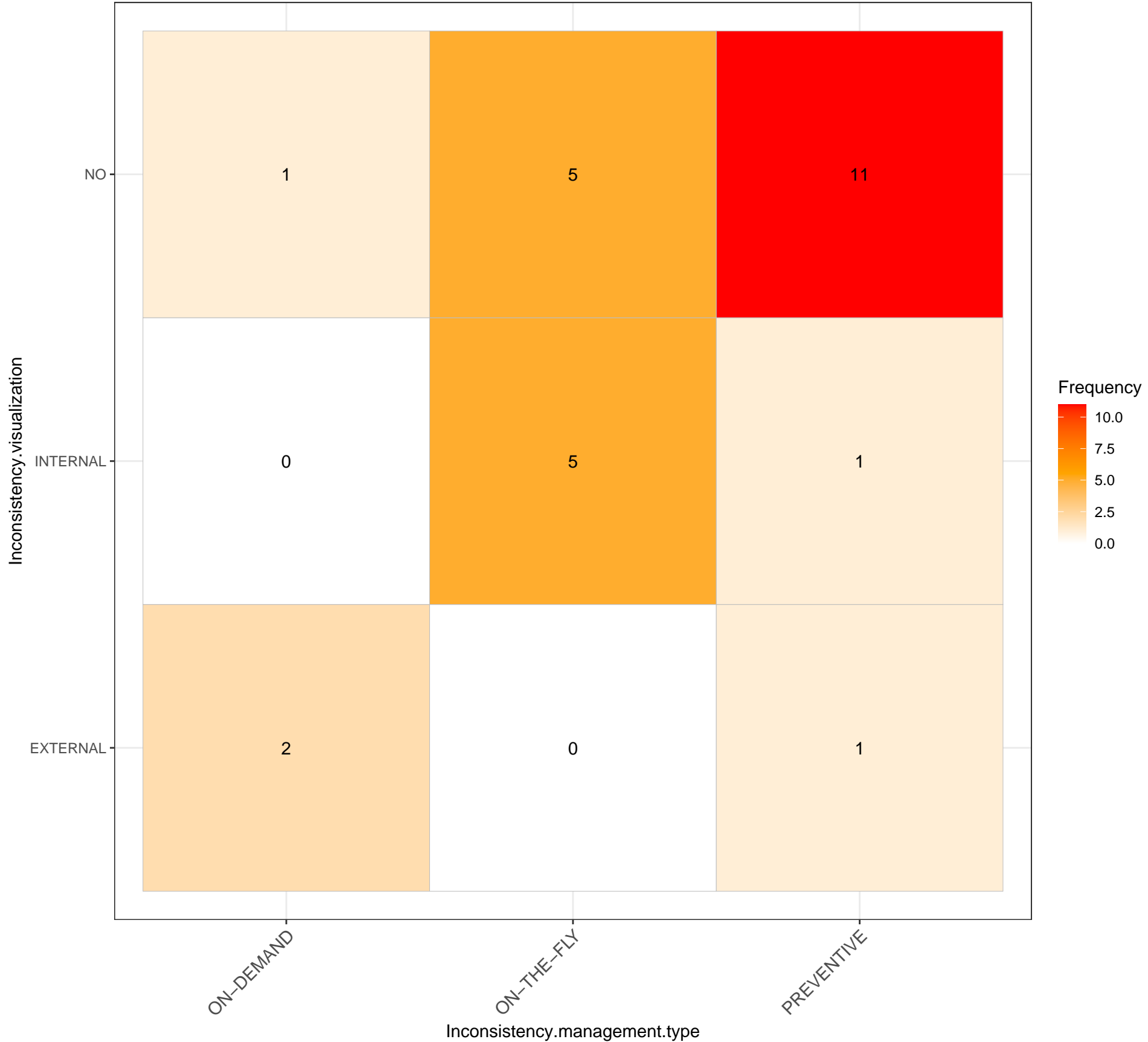
Traceability_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.2014, p= 0.0658)



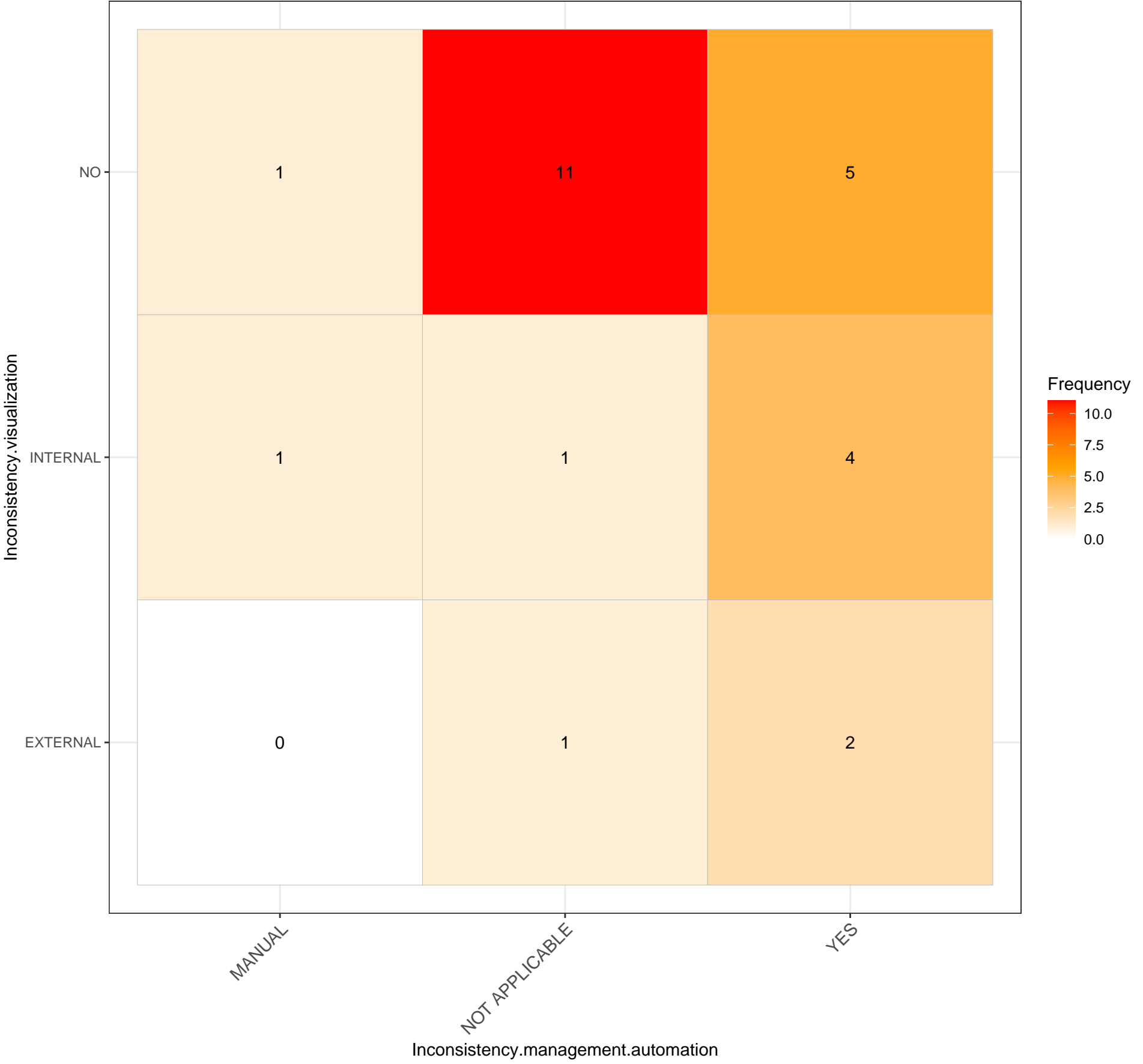
Traceability____concrete.syntax.count.2.more (Chi sq w/ Yates p= 1, p= 0.6014)



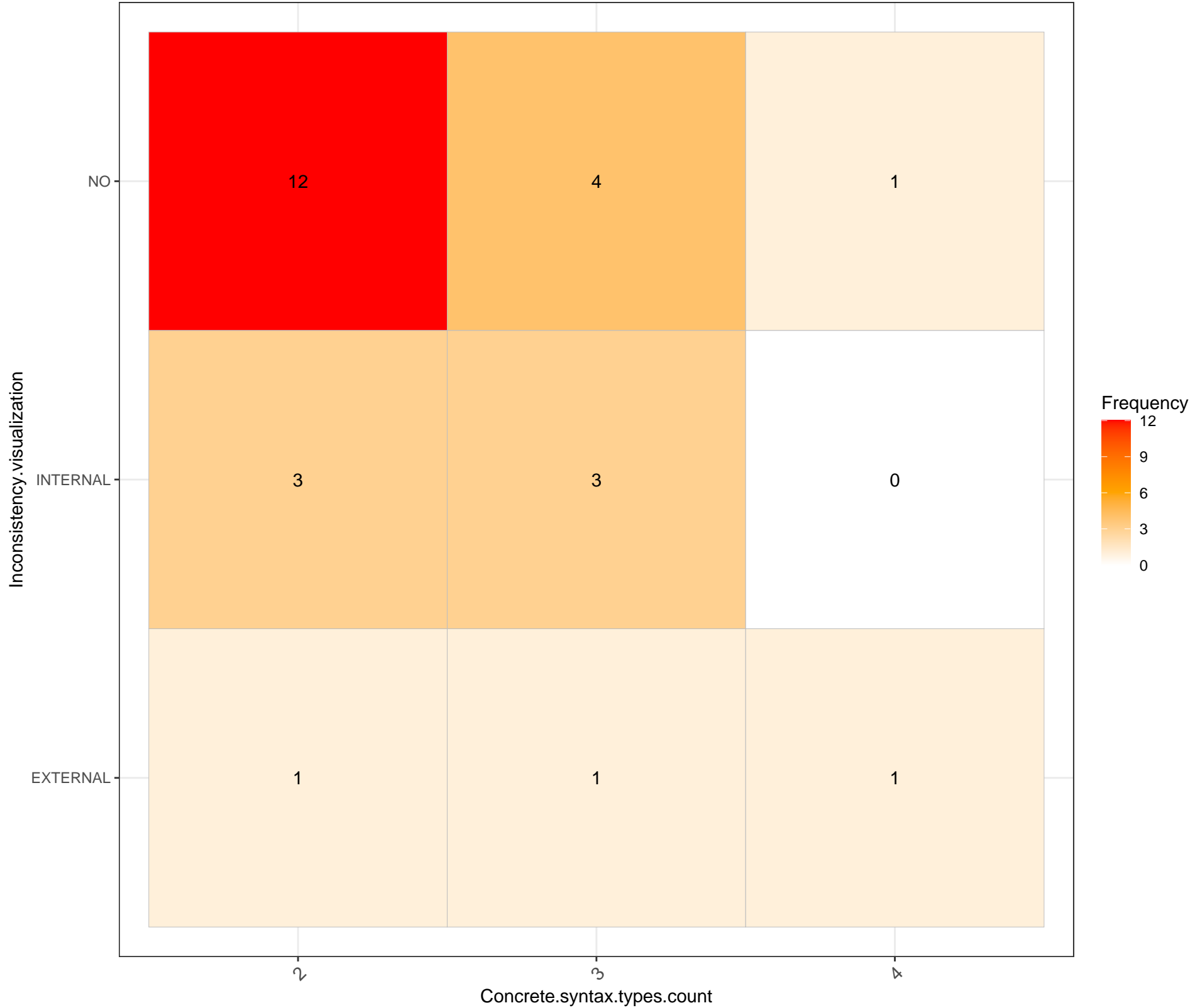
Inconsistency.visualization_____Inconsistency.management.type (Chi sq w/ Yates p= 0.0031, p= 0.0031)



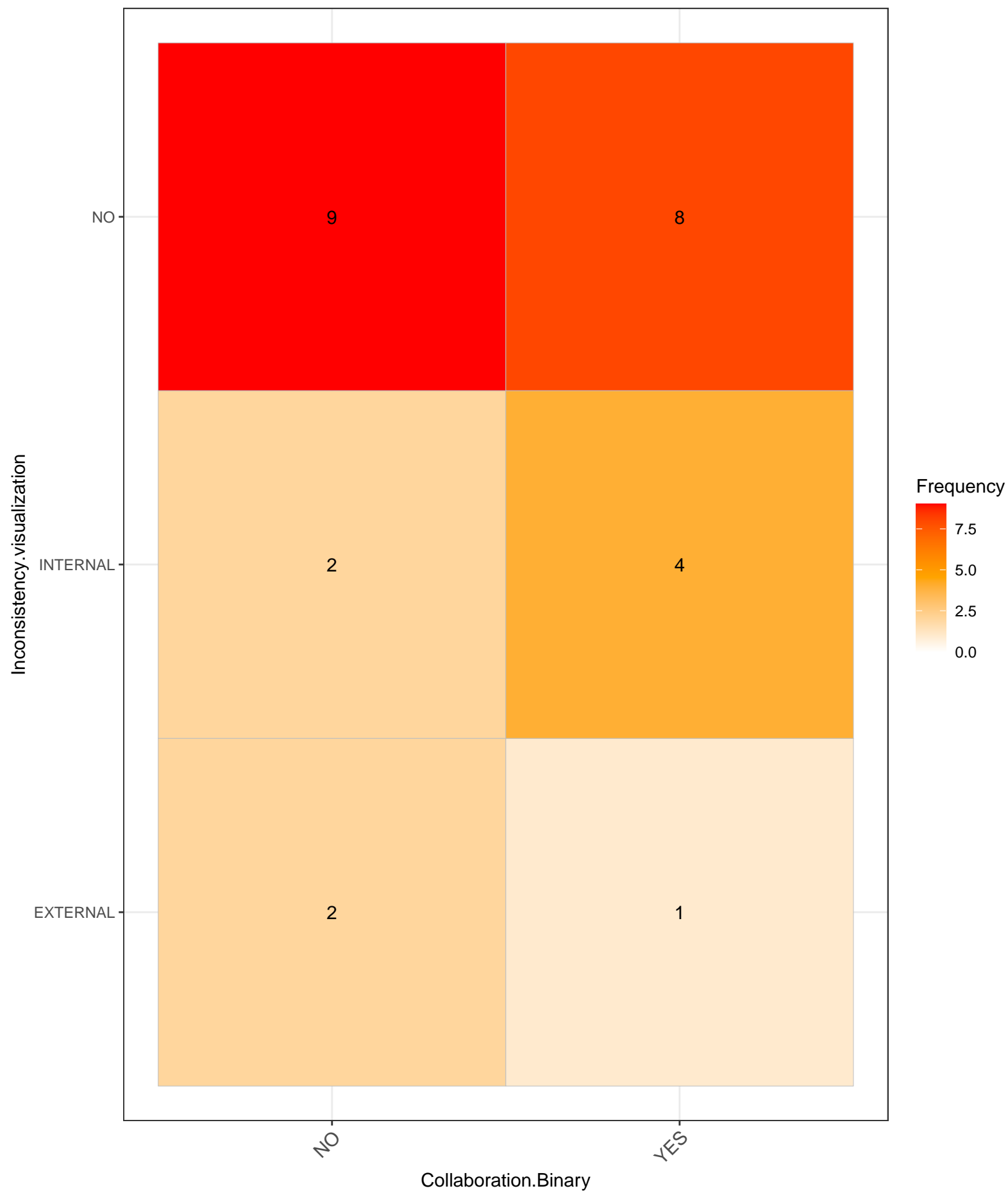
Inconsistency.visualization____Inconsistency.management.automation (Chi sq w/ Yates p= 0.2775, p= 0.2775)



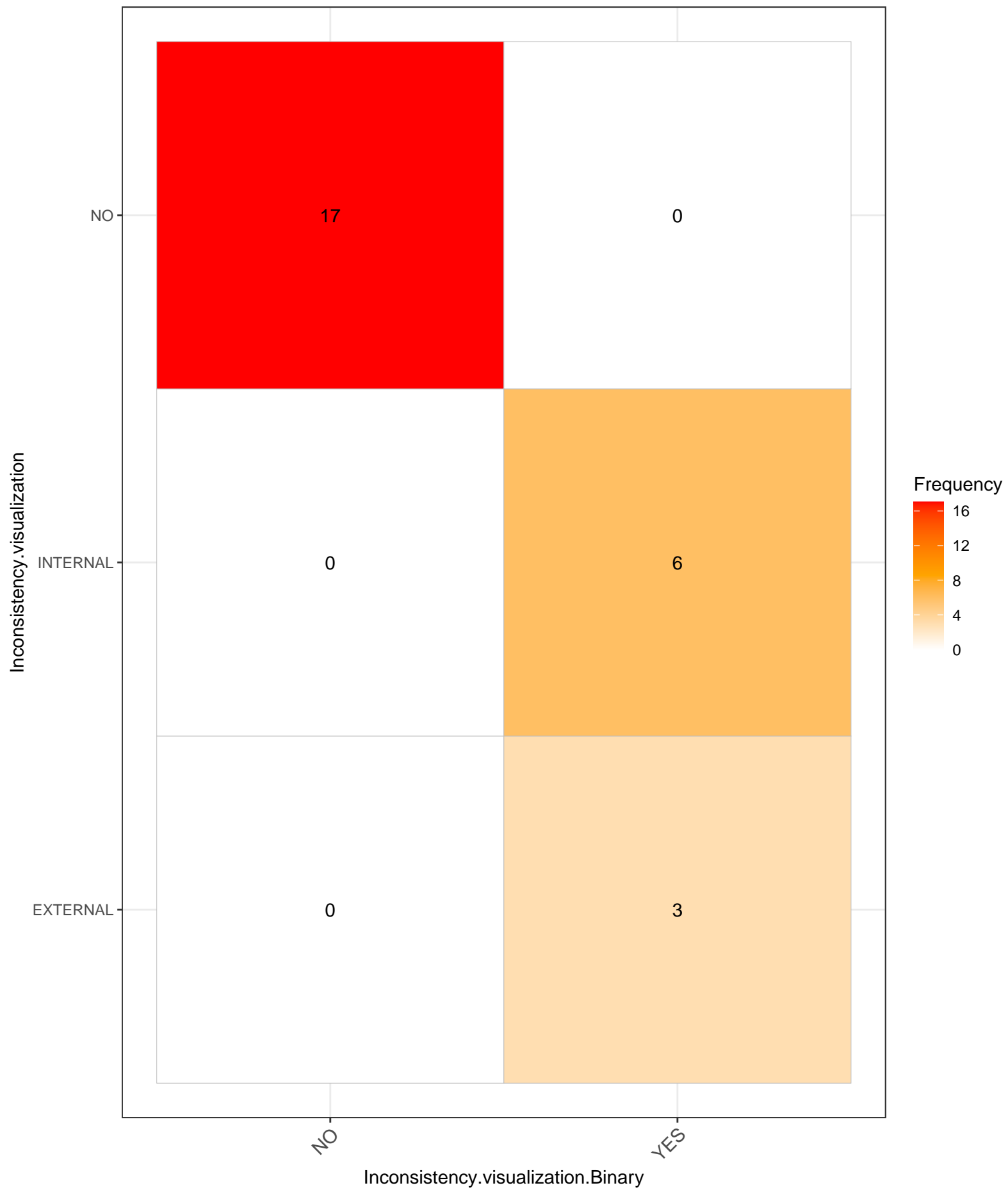
Inconsistency.visualization_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.3021, p= 0.3021)



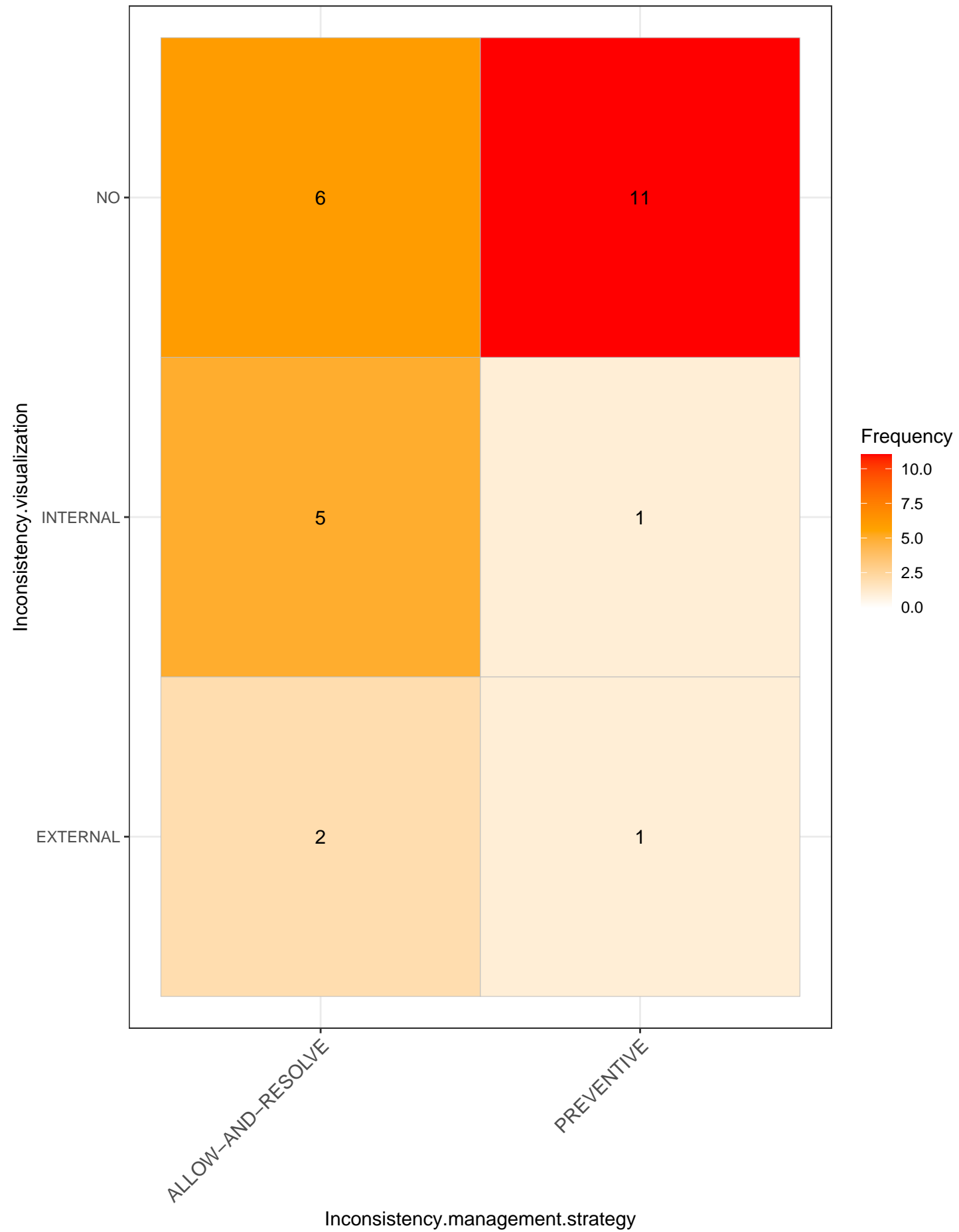
Inconsistency.visualization_____Collaboration.Binary (Chi sq w/ Yates p= 0.589, p= 0.589)



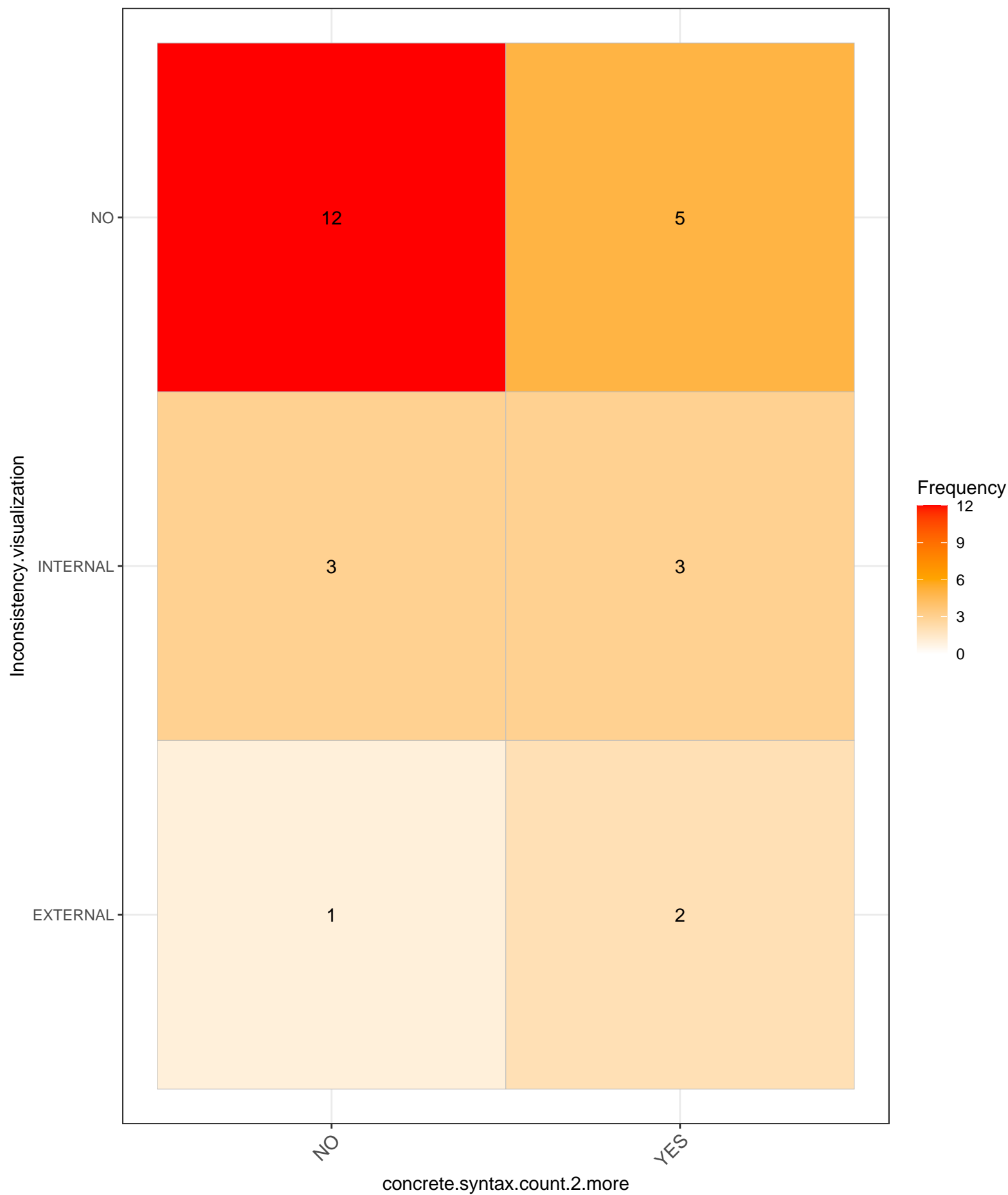
Inconsistency.visualization_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0, p= 0)



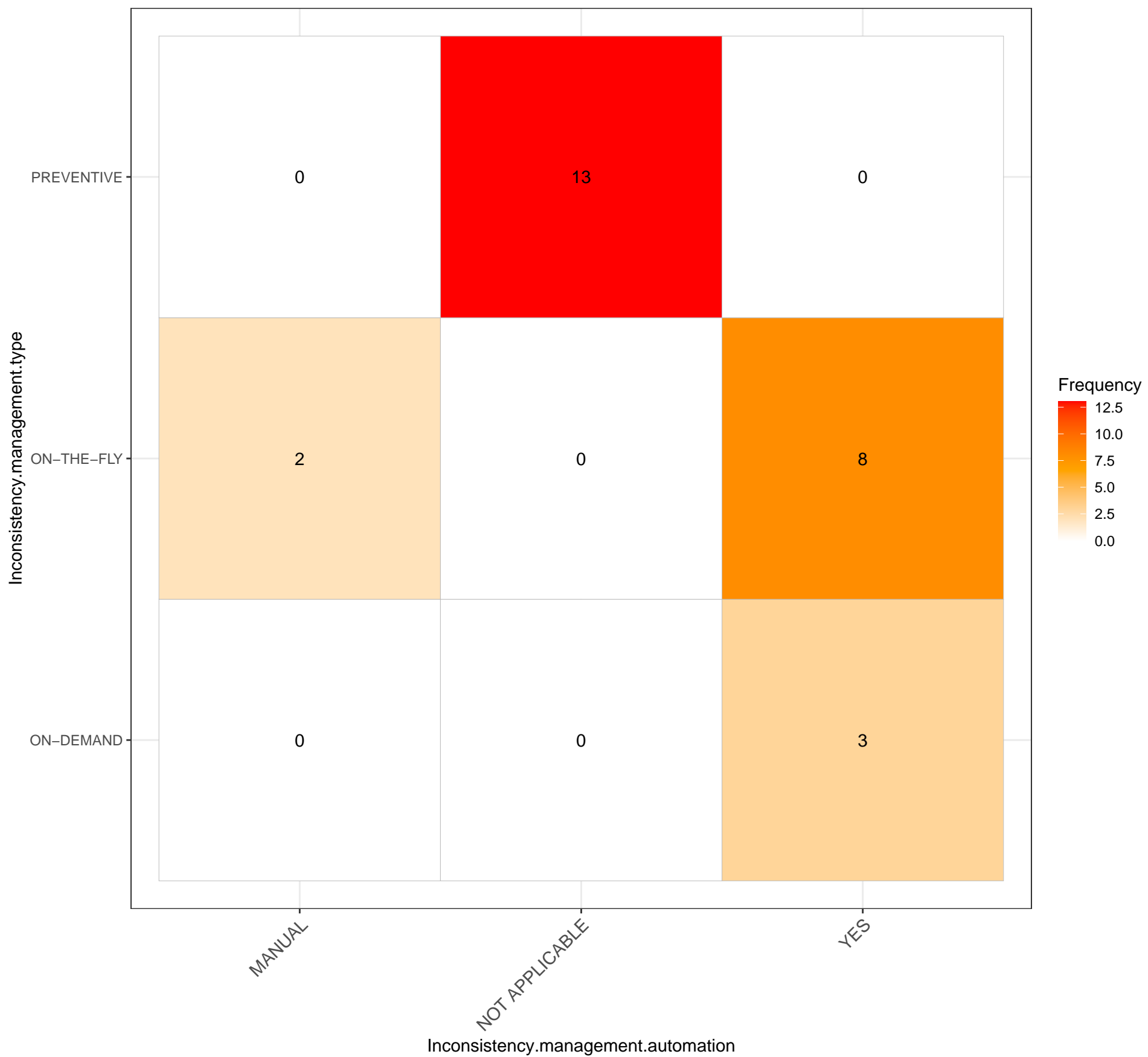
Inconsistency.visualization____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.107, p= 0.107)



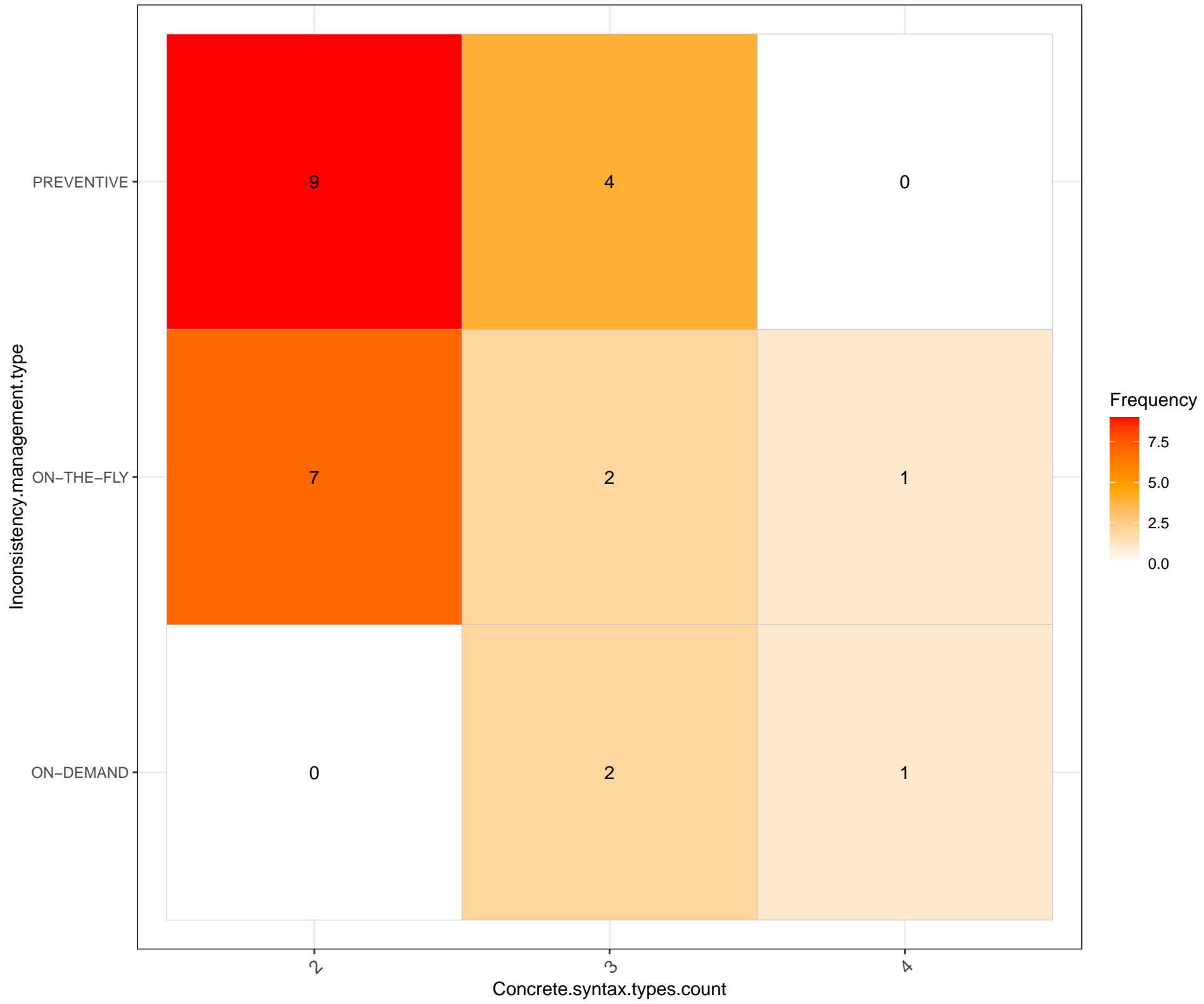
Inconsistency.visualization_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.3802, p= 0.3802)



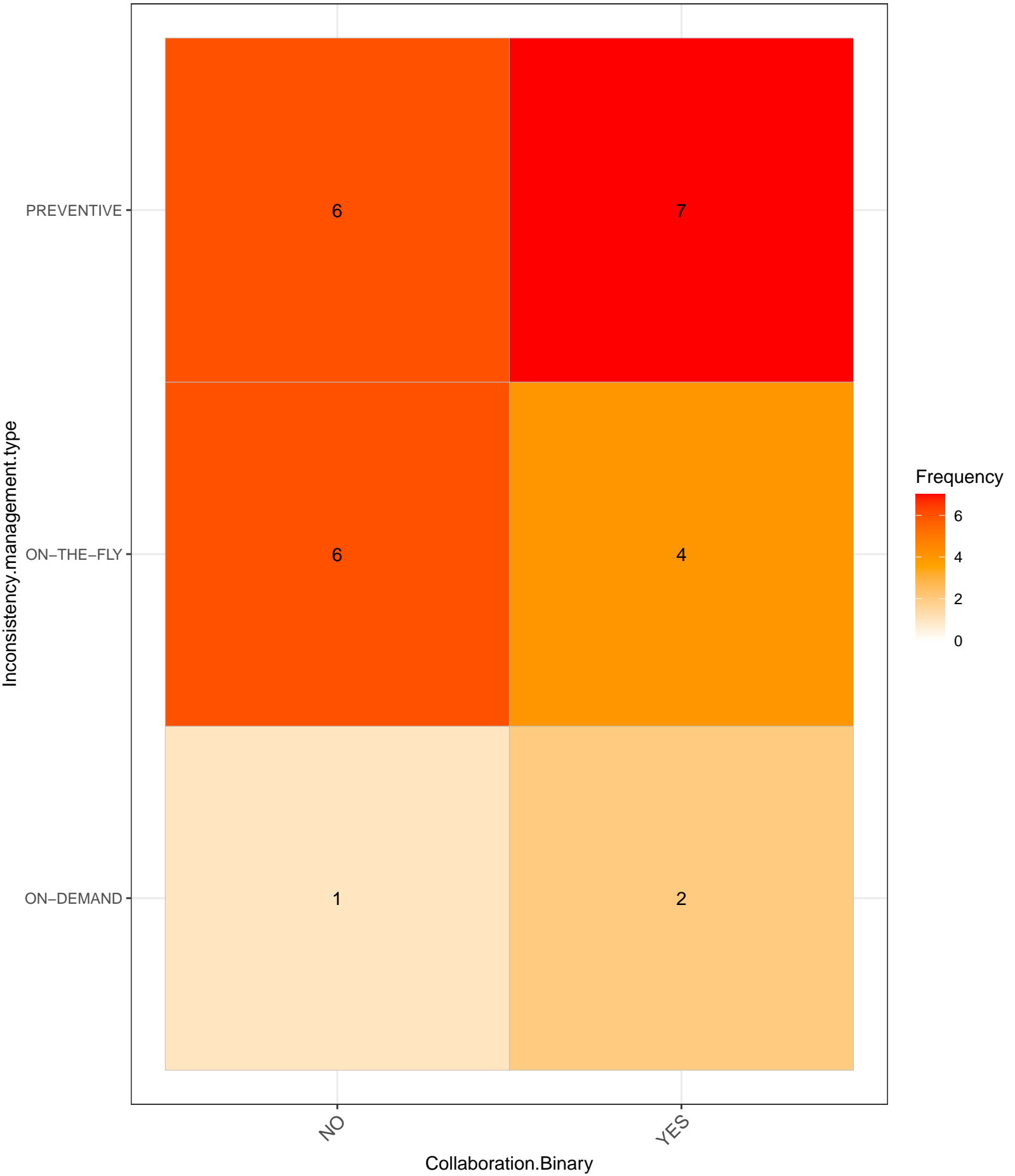
Inconsistency.management.type____Inconsistency.management.automation (Chi sq w/ Yates p= 0, p= 0)

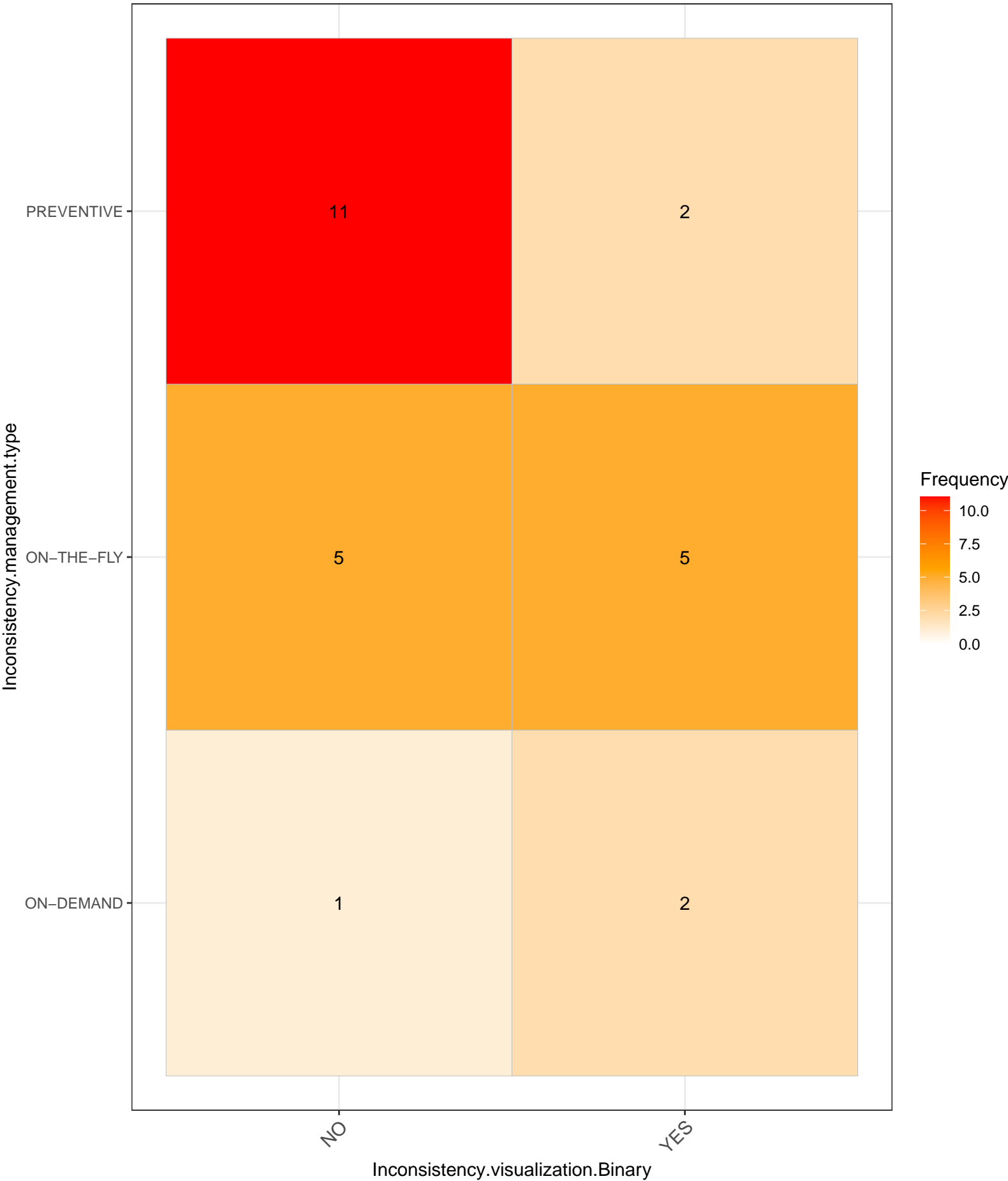


Inconsistency.management.type_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.1183, p= 0.1183)

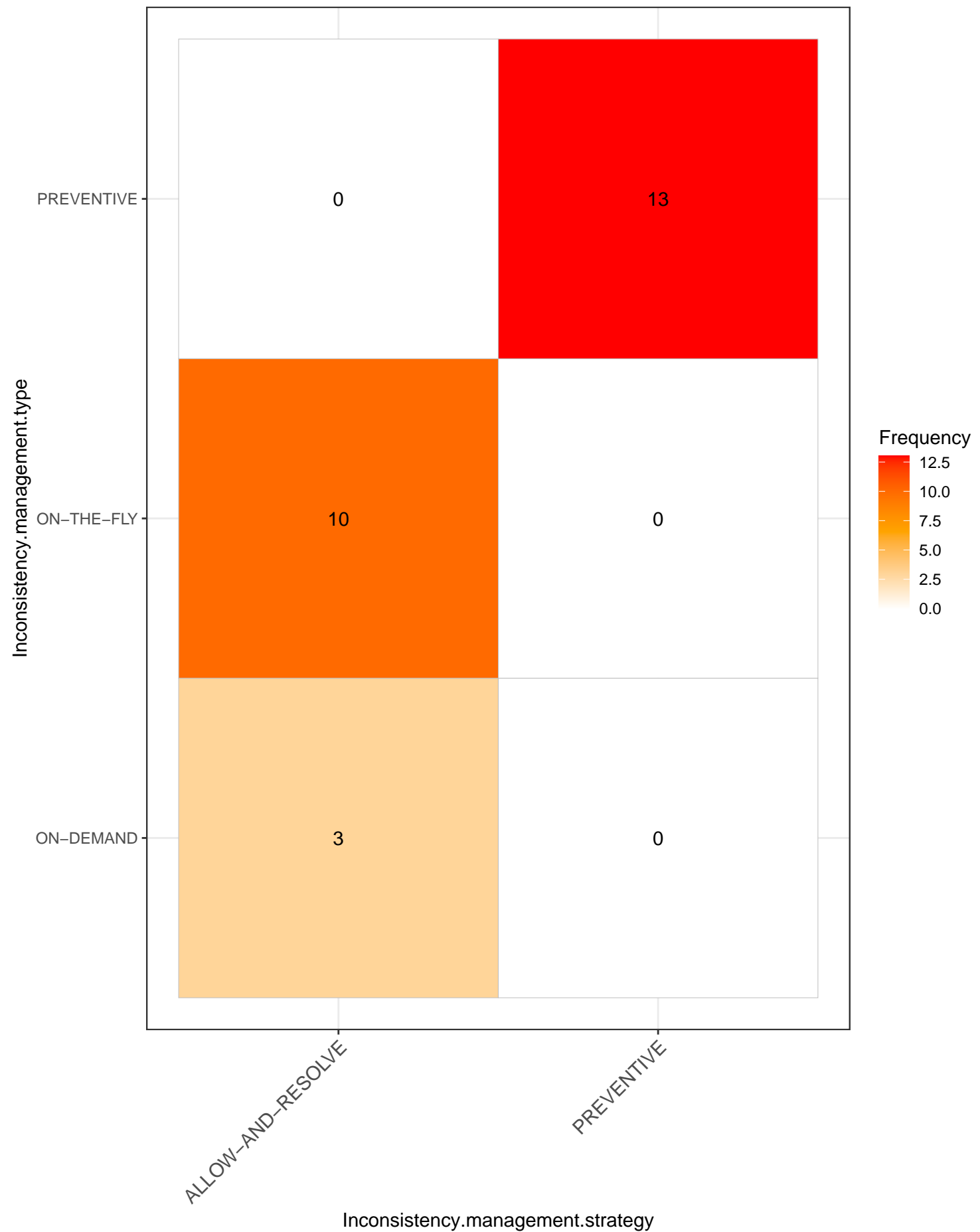


Inconsistency.management.type_____Collaboration.Binary (Chi sq w/ Yates p= 0.6669, p= 0.6669)

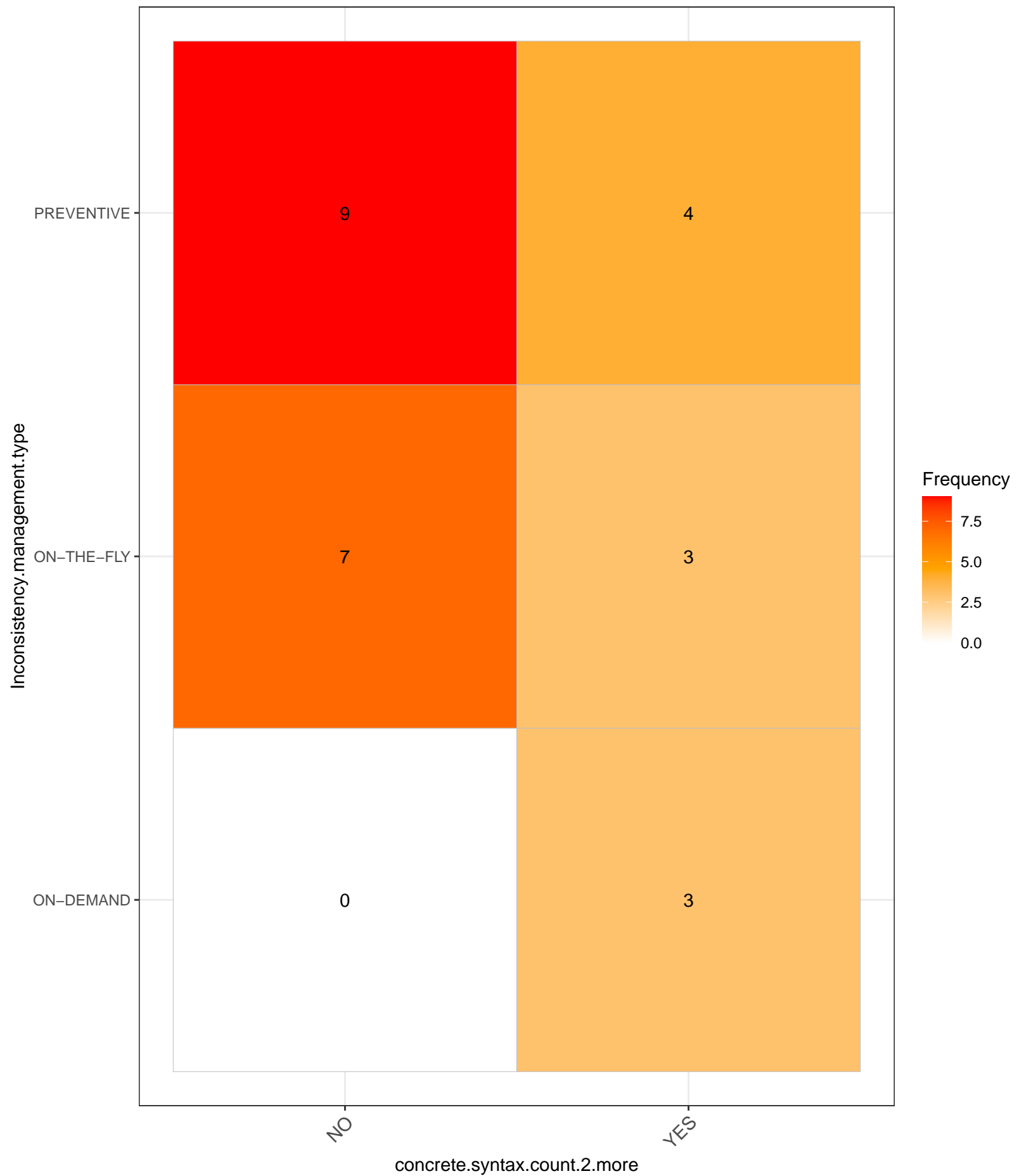




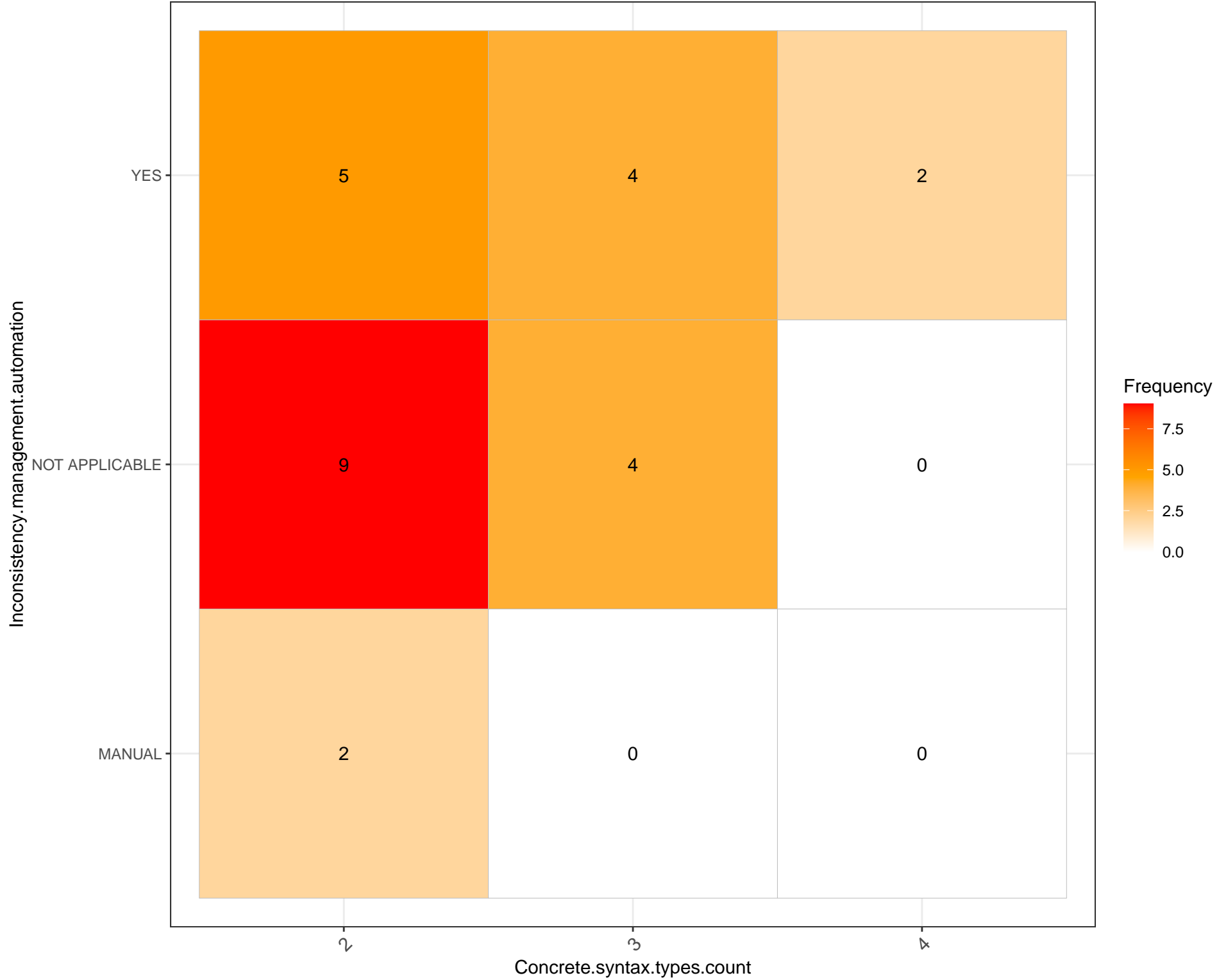
Inconsistency.management.type_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0, p= 0)



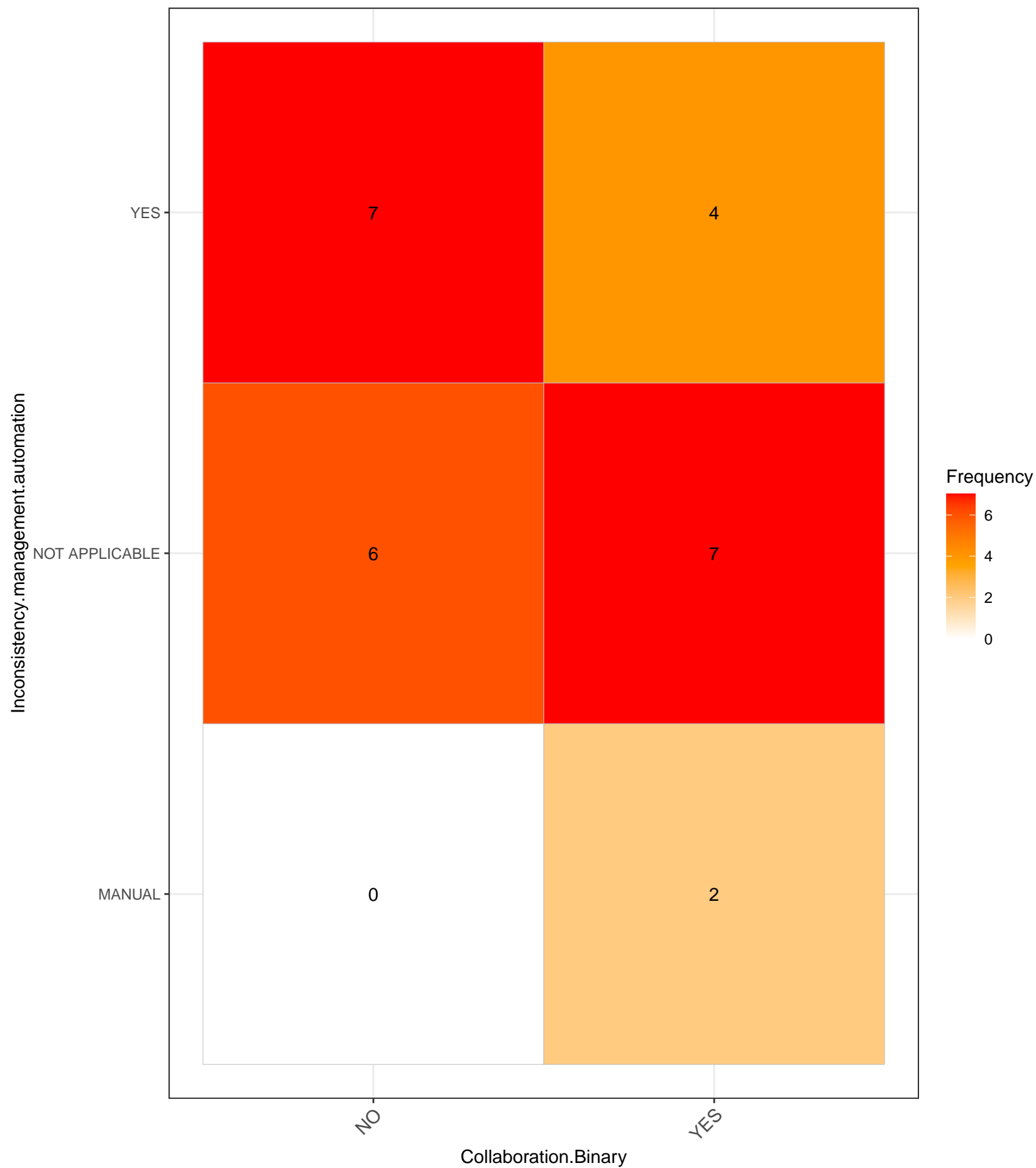
Inconsistency.management.type_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.0663, p= 0.0663)



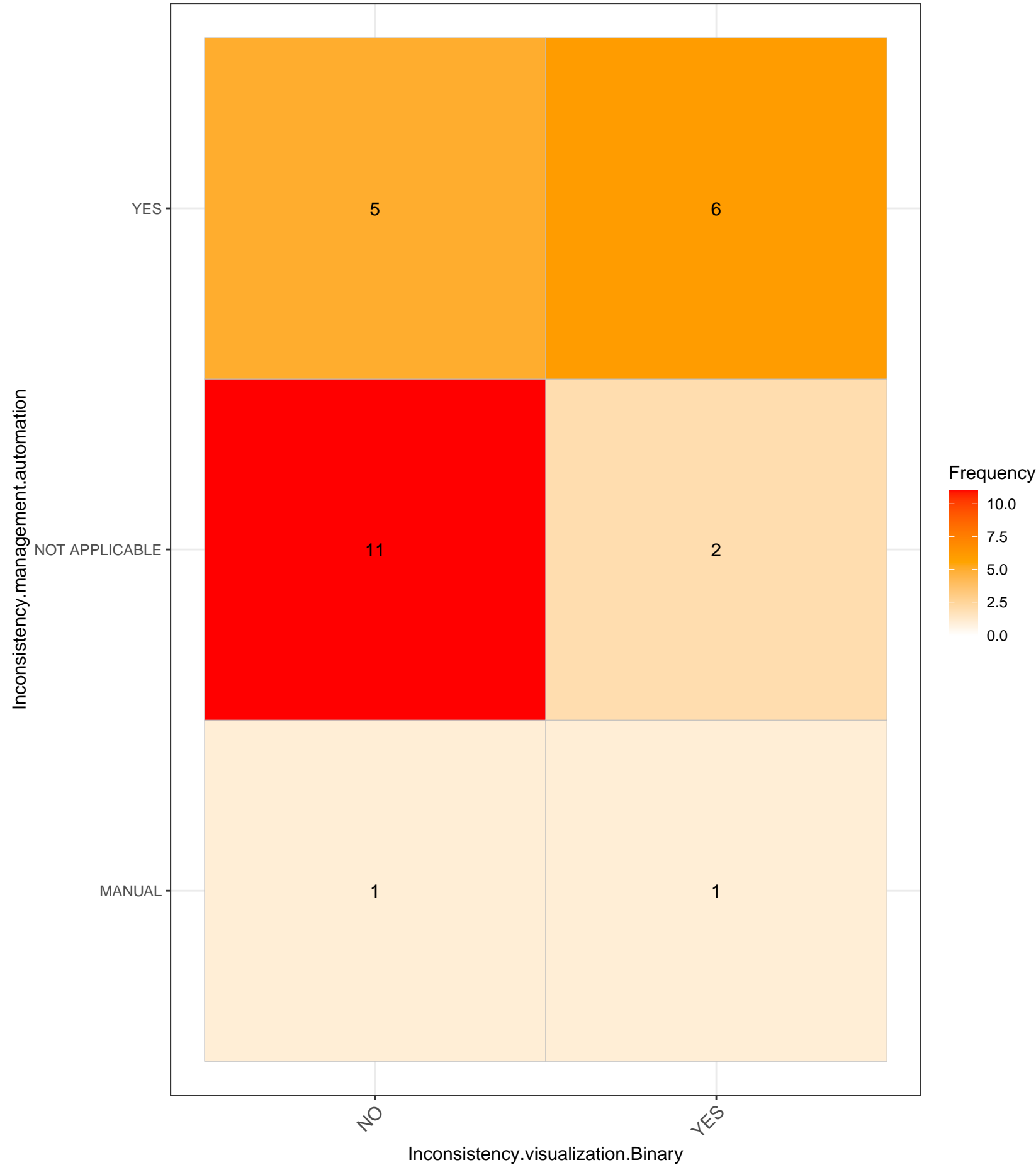
Inconsistency.management.automation_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.3399, p= 0.3399)



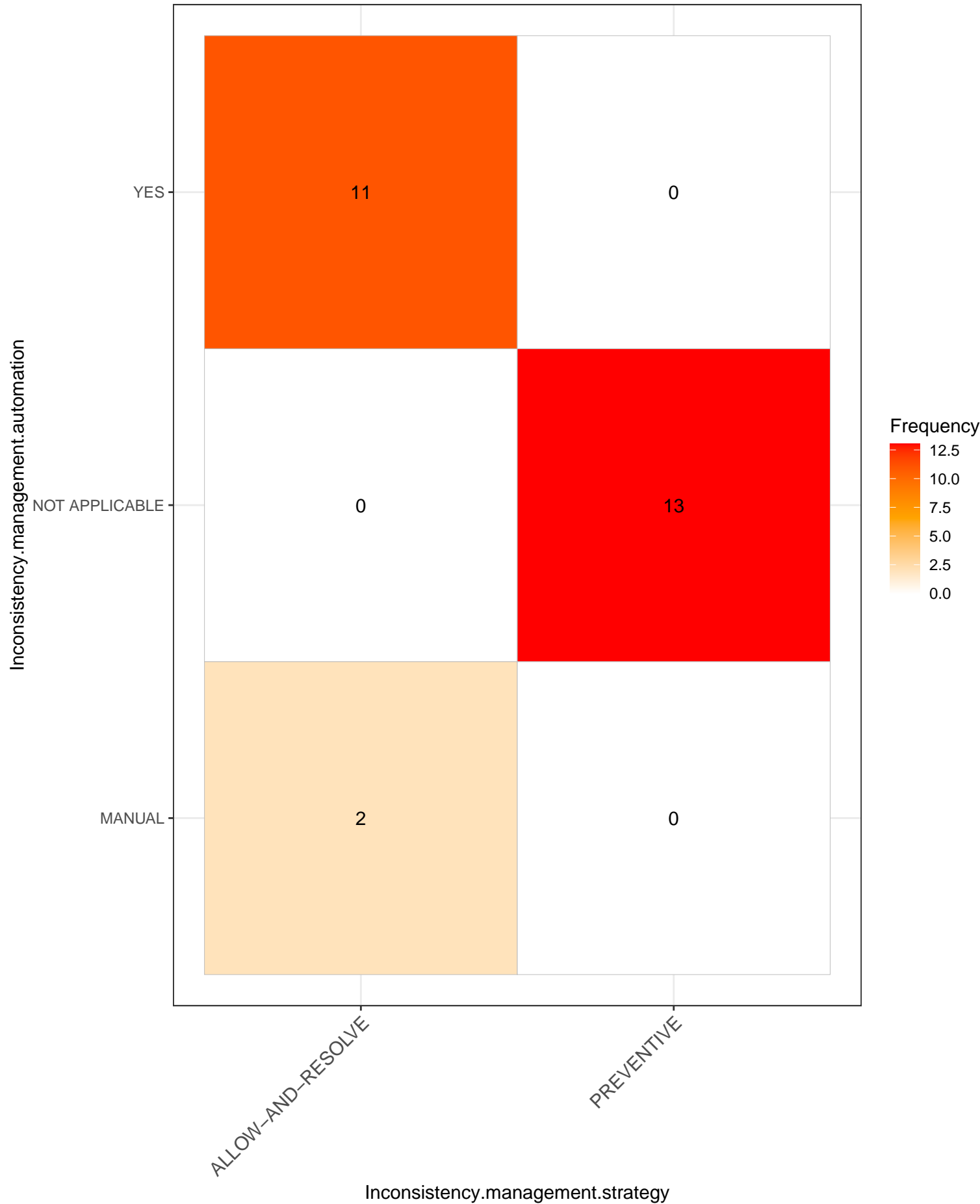
Inconsistency.management.automation_____Collaboration.Binary (Chi sq w/ Yates p= 0.2351, p= 0.2351)



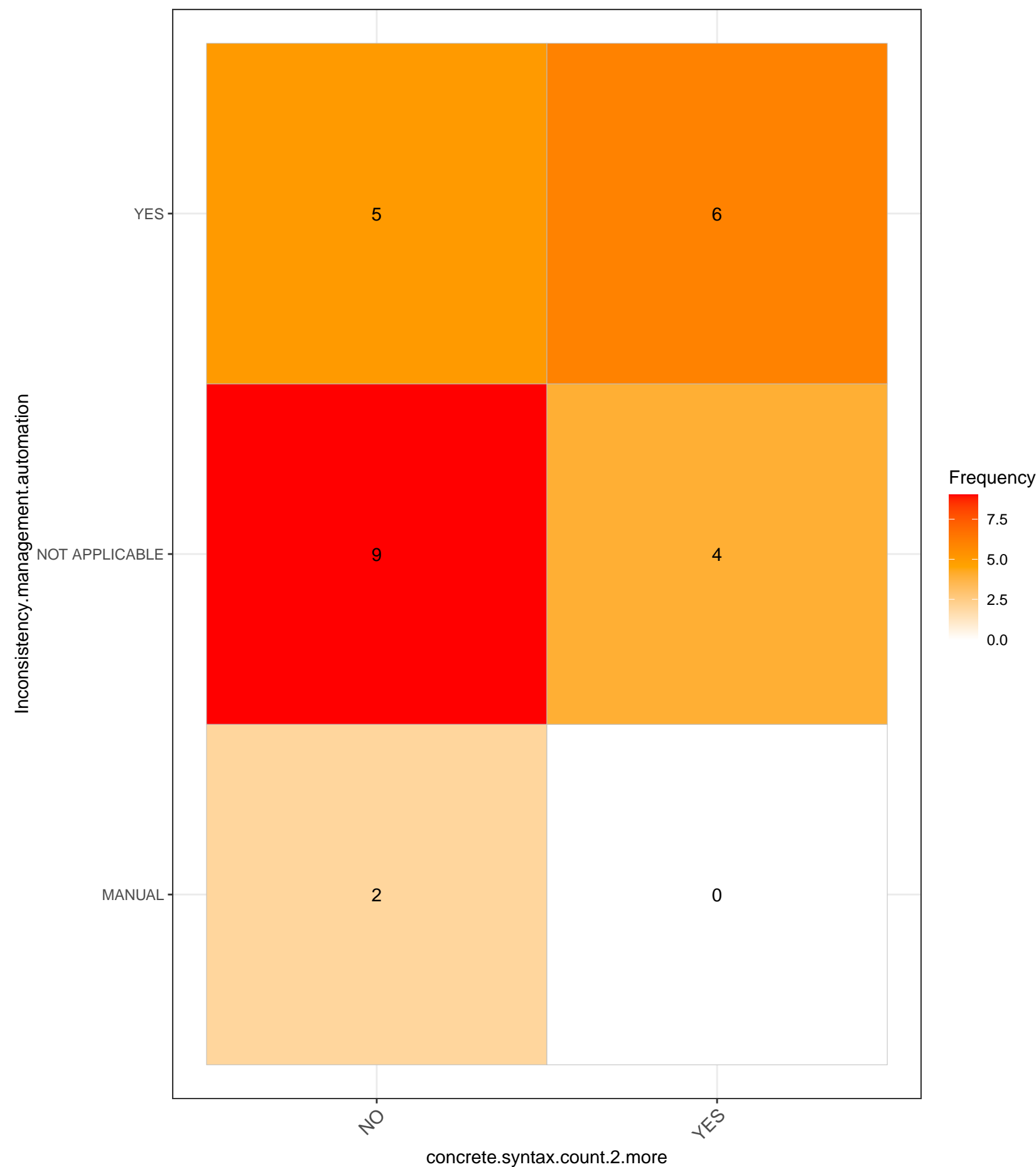
Inconsistency.management.automation_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.1186, p= 0.1186)



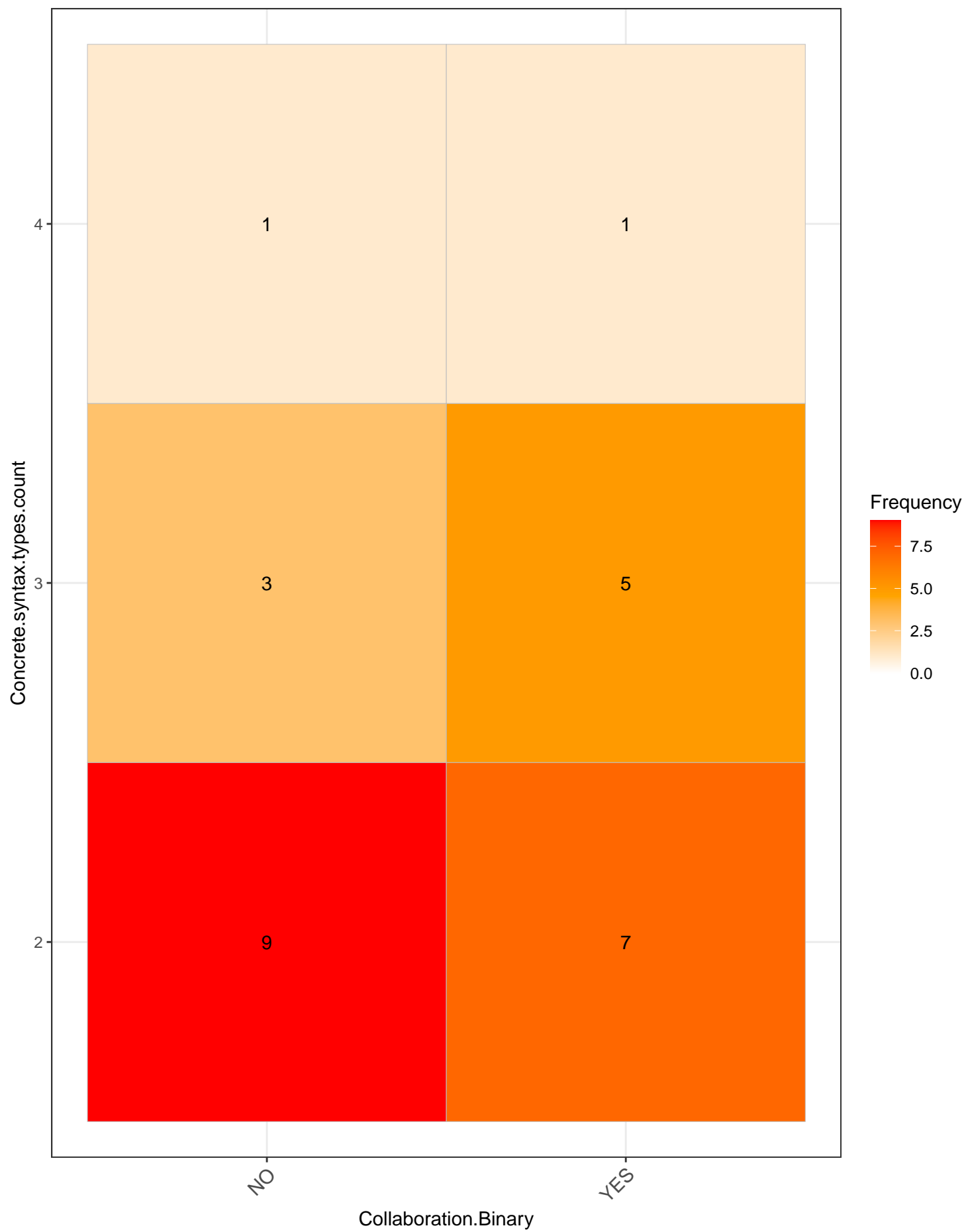
Inconsistency.management.automation_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0, p= 0)



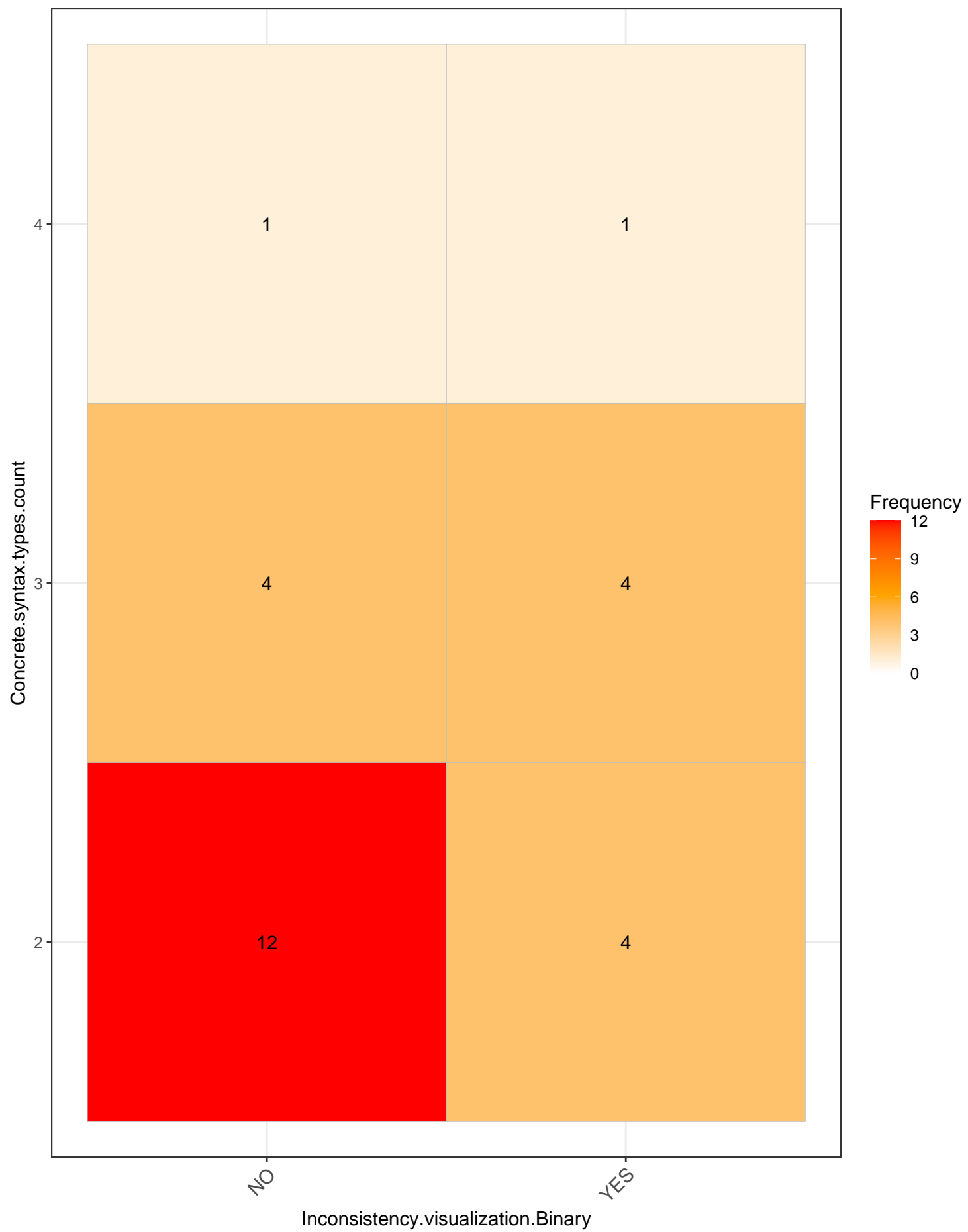
Inconsistency.management.automation_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.2494, p= 0.2494)



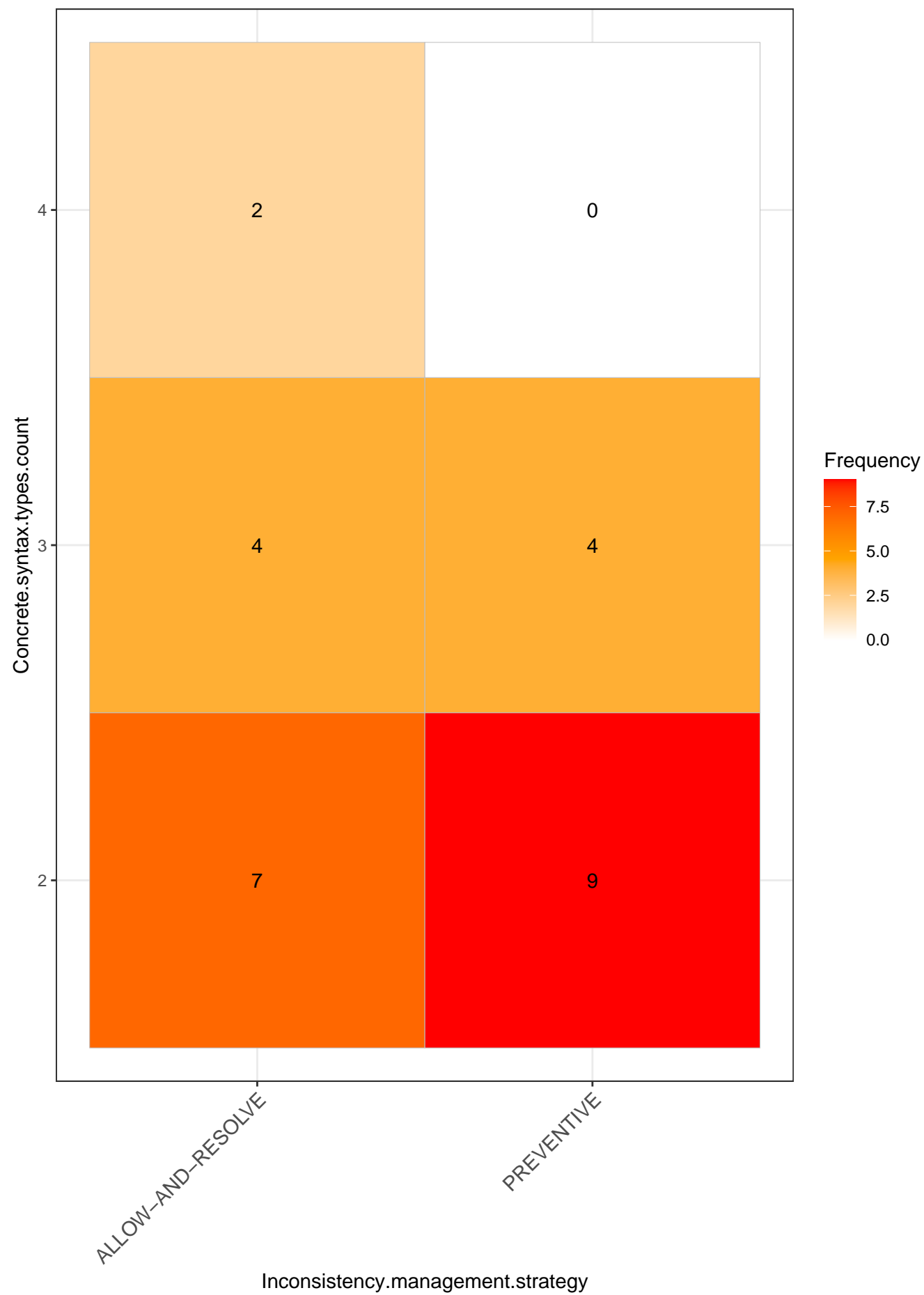
Concrete.syntax.types.count_____Collaboration.Binary (Chi sq w/ Yates p= 0.6873, p= 0.6873)



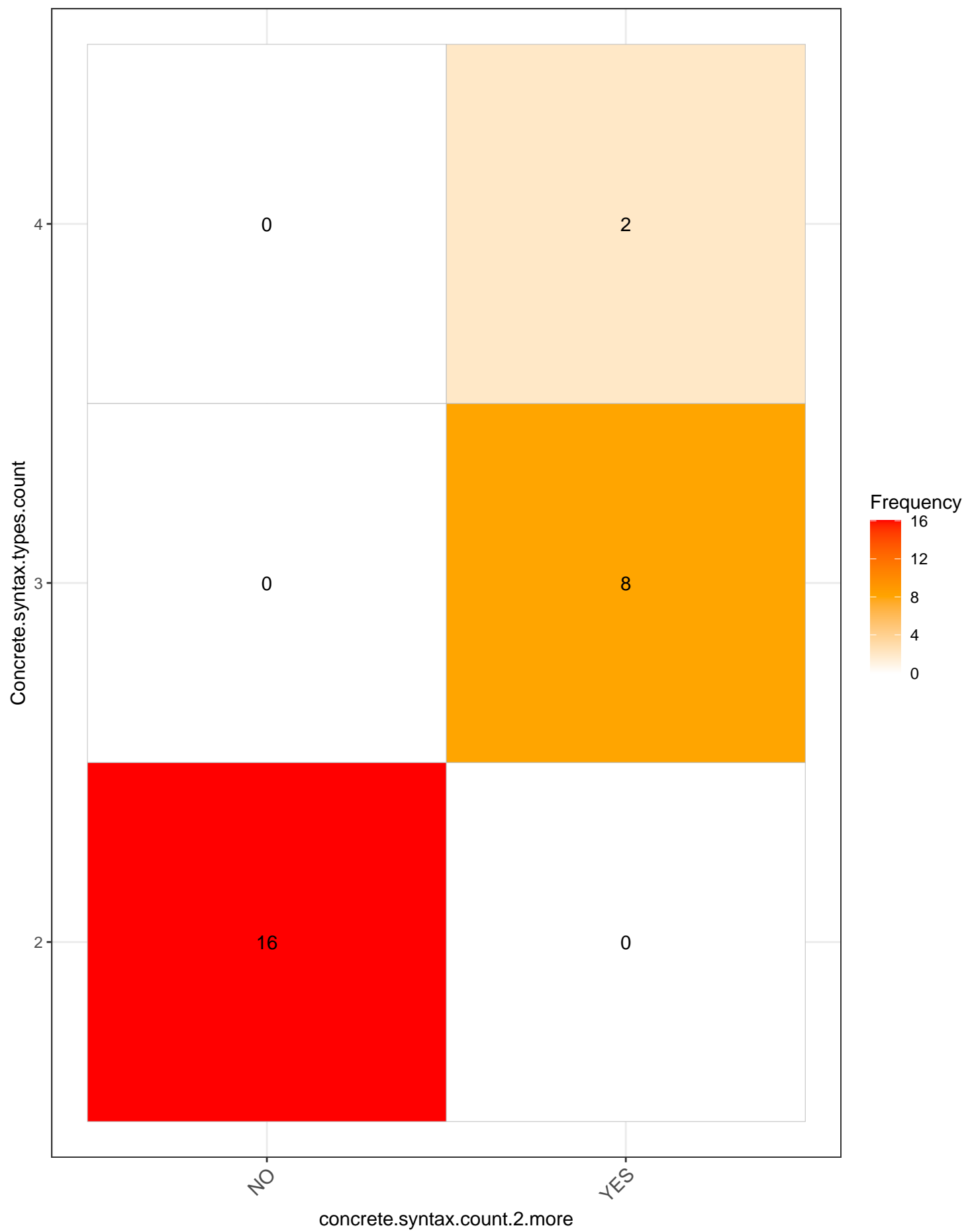
Concrete.syntax.types.count_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.4276, p= 0.4276)



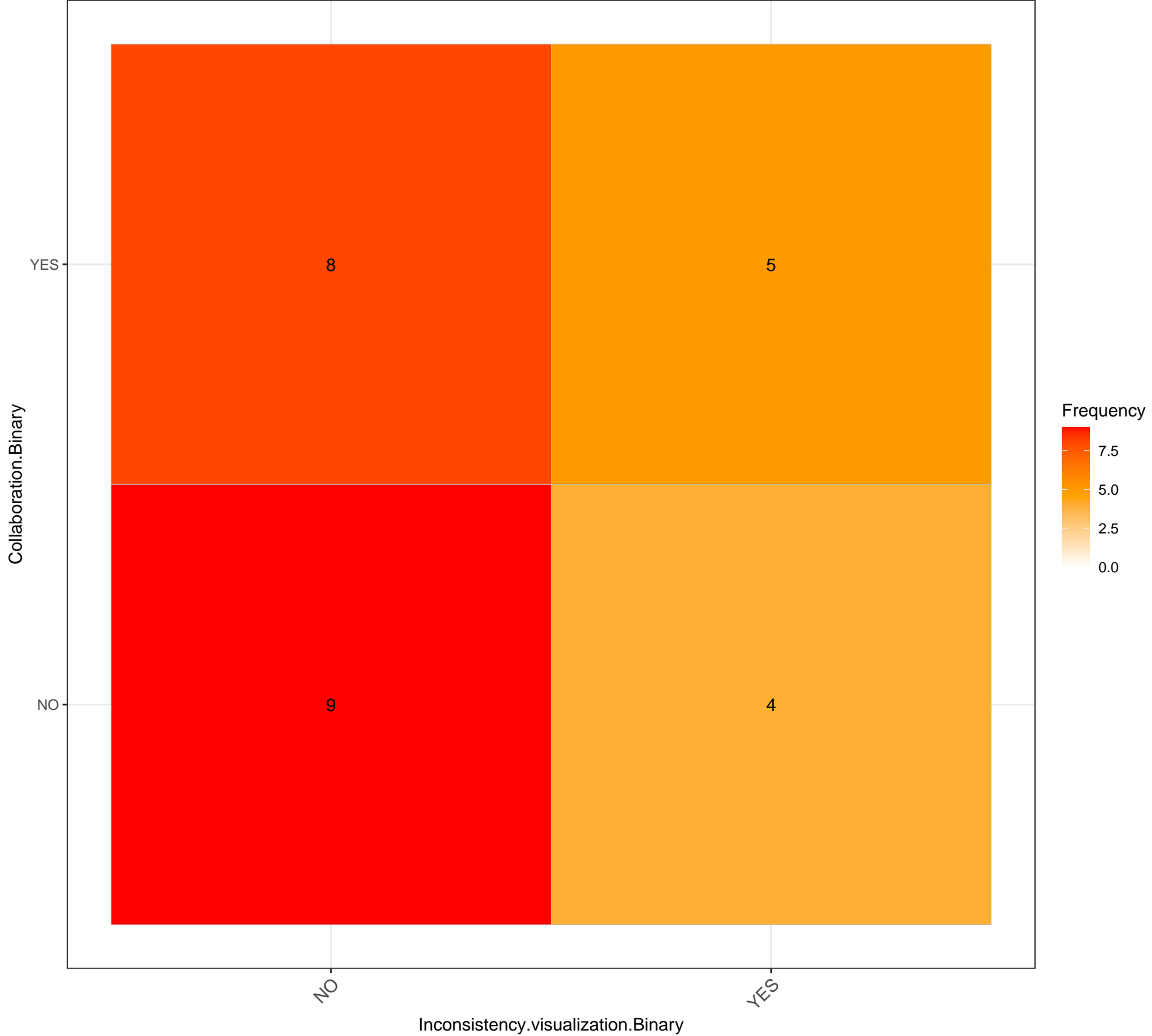
Concrete.syntax.types.count_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.3247, p= 0.3247)



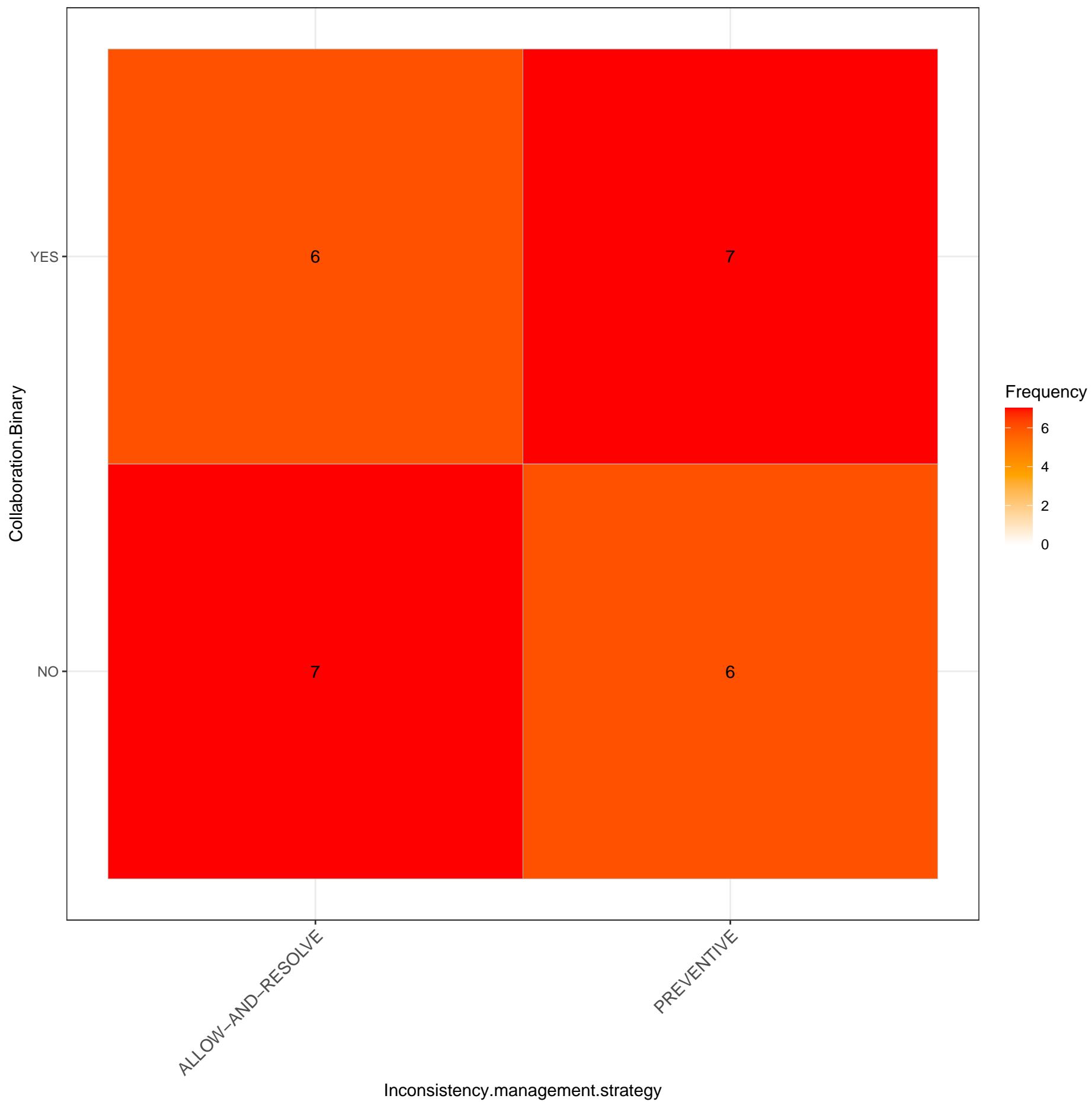
Concrete.syntax.types.count_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0, p= 0)



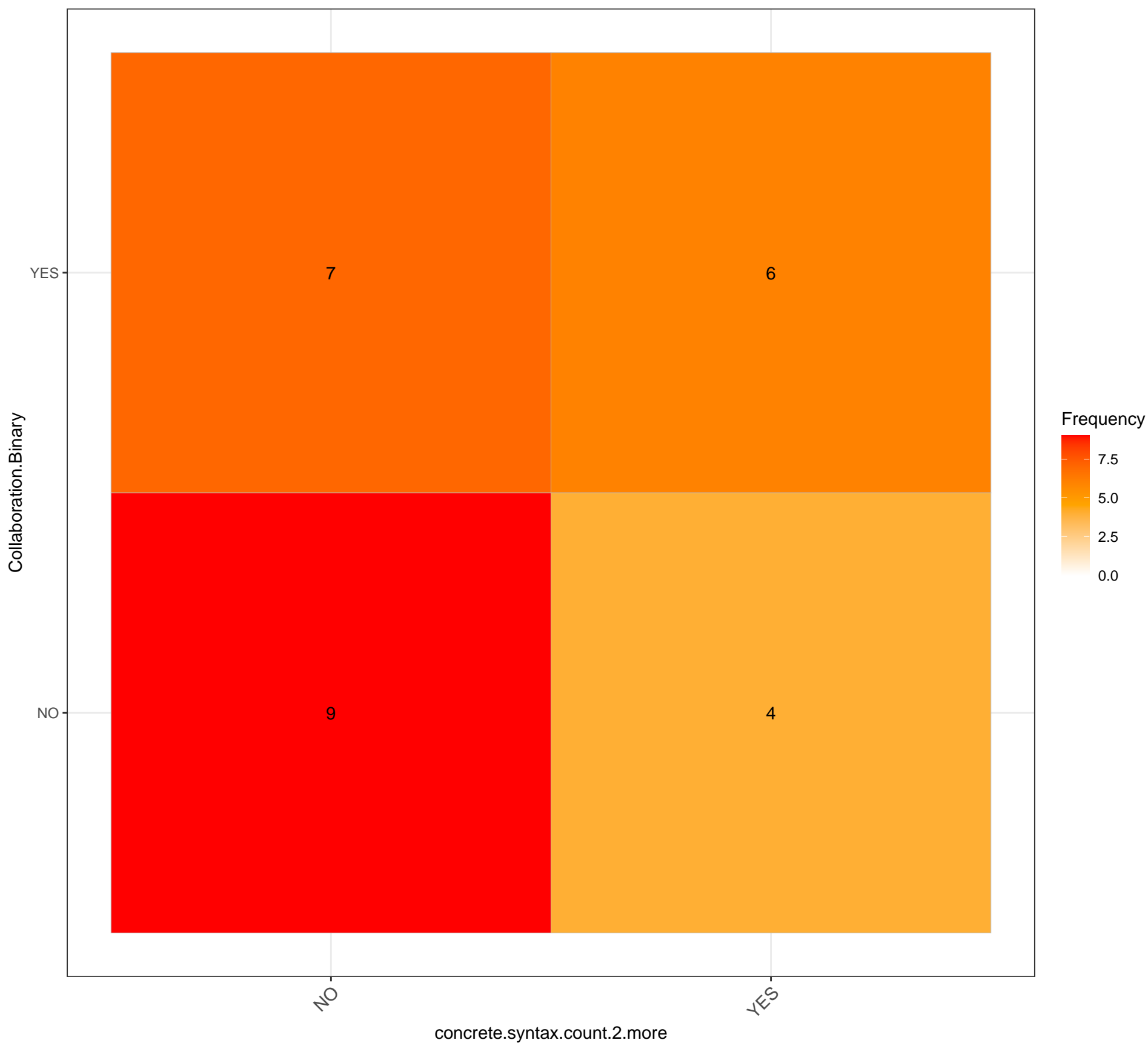
Collaboration.Binary____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 1, p= 0.6802)

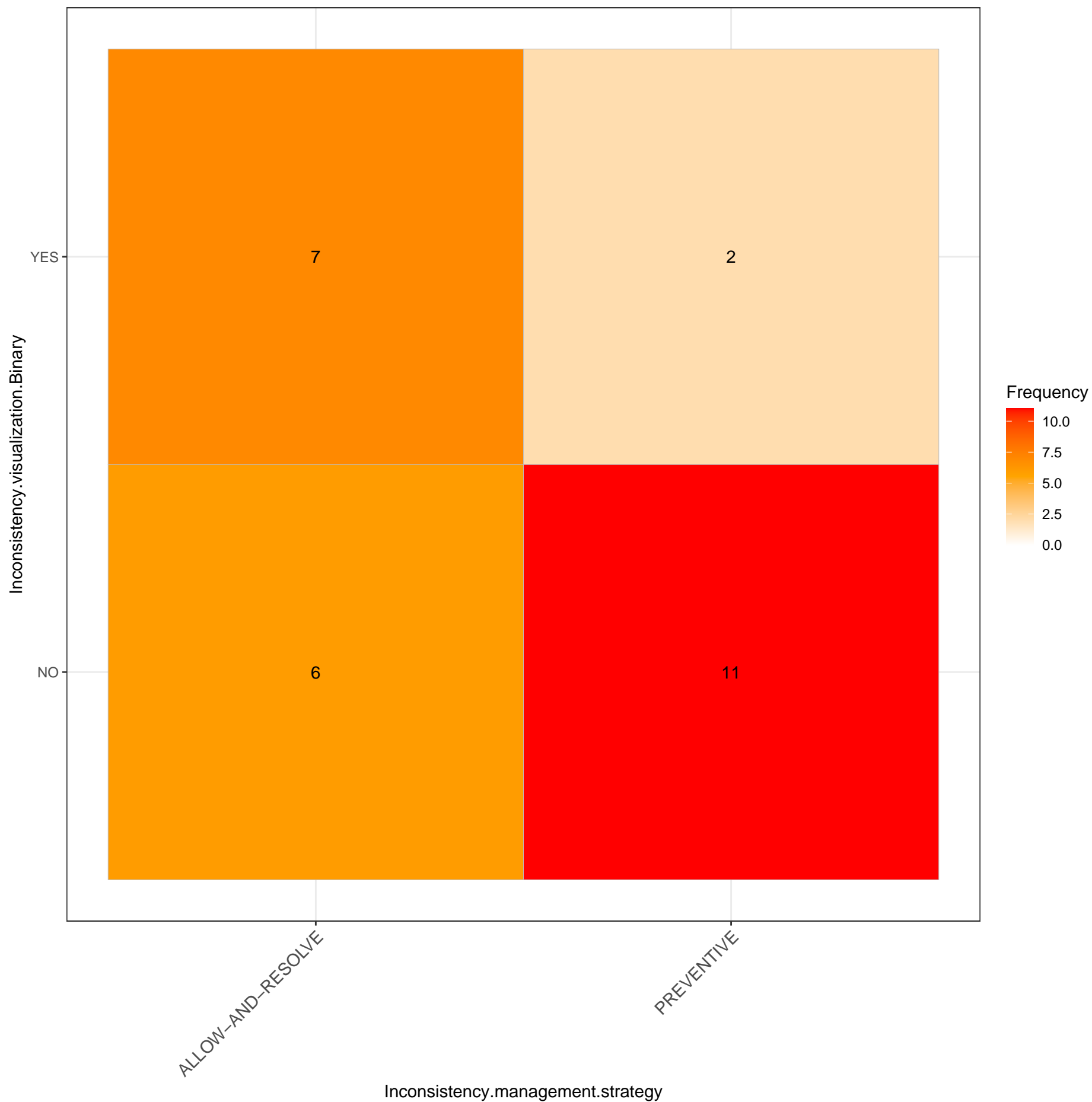


Collaboration.Binary_____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 0.6949)

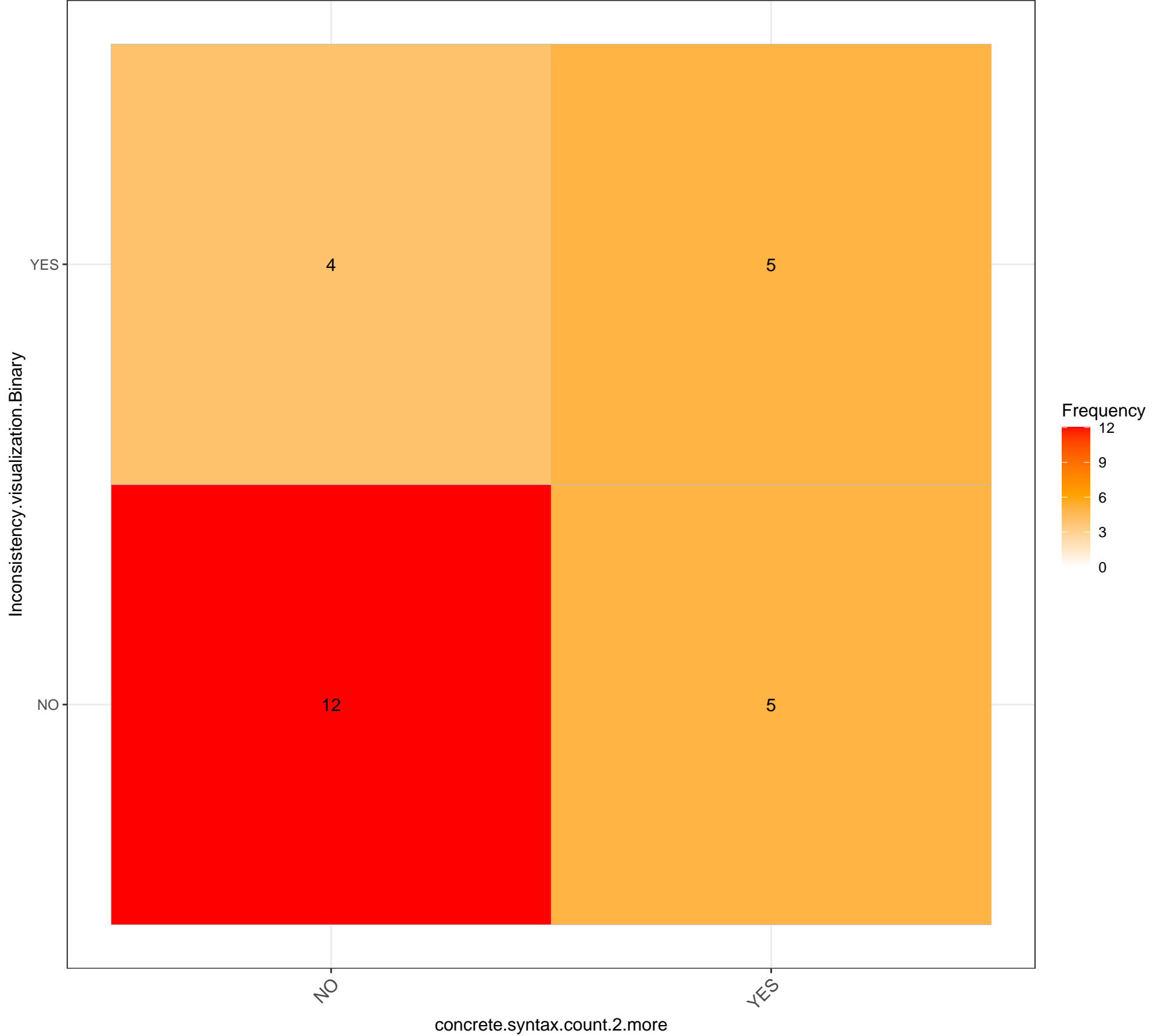


Collaboration.Binary____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.6869, p= 0.4201)





Inconsistency.visualization.Binary____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.3789, p= 0.1924)



Inconsistency.management.strategy____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.6869, p= 0.4201)

