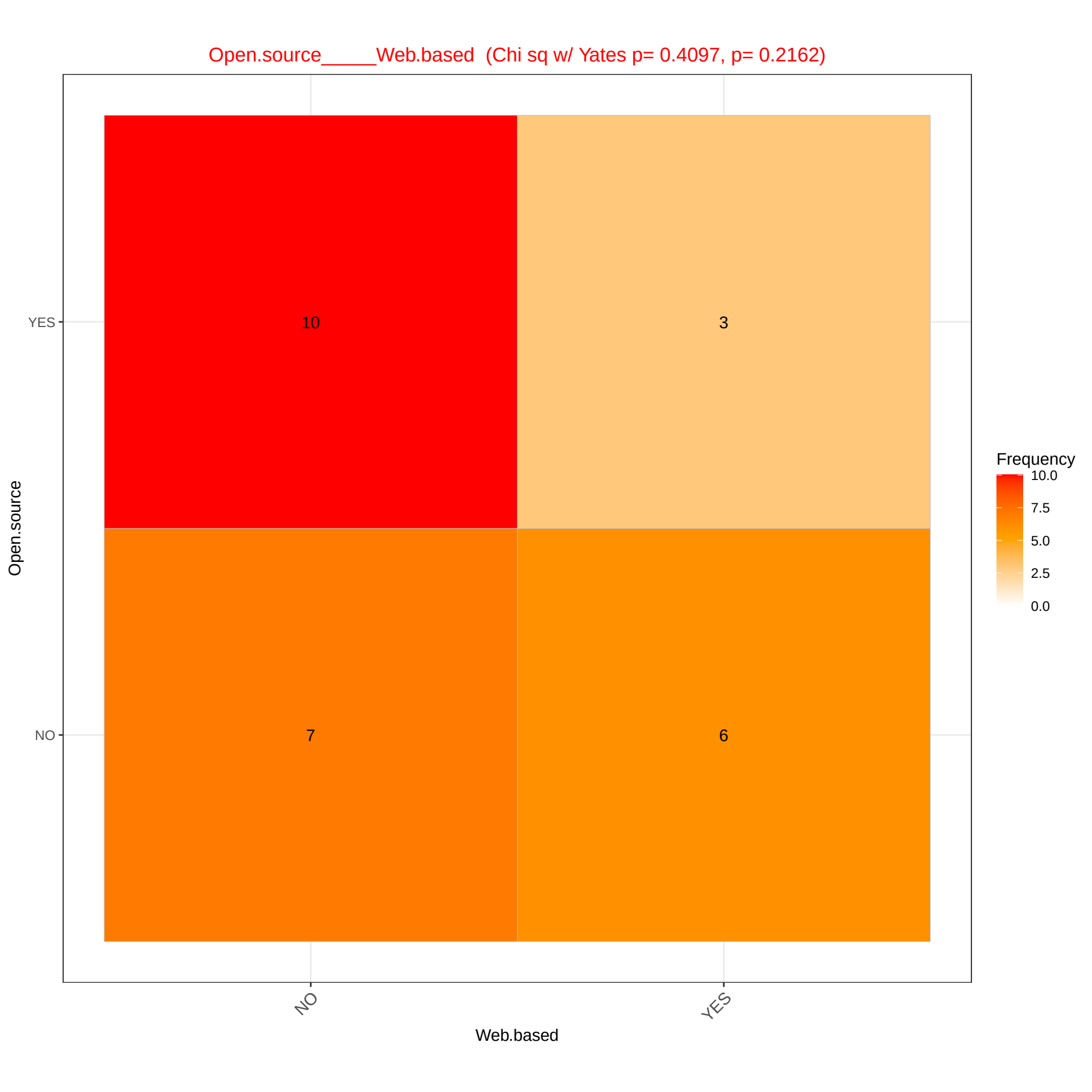
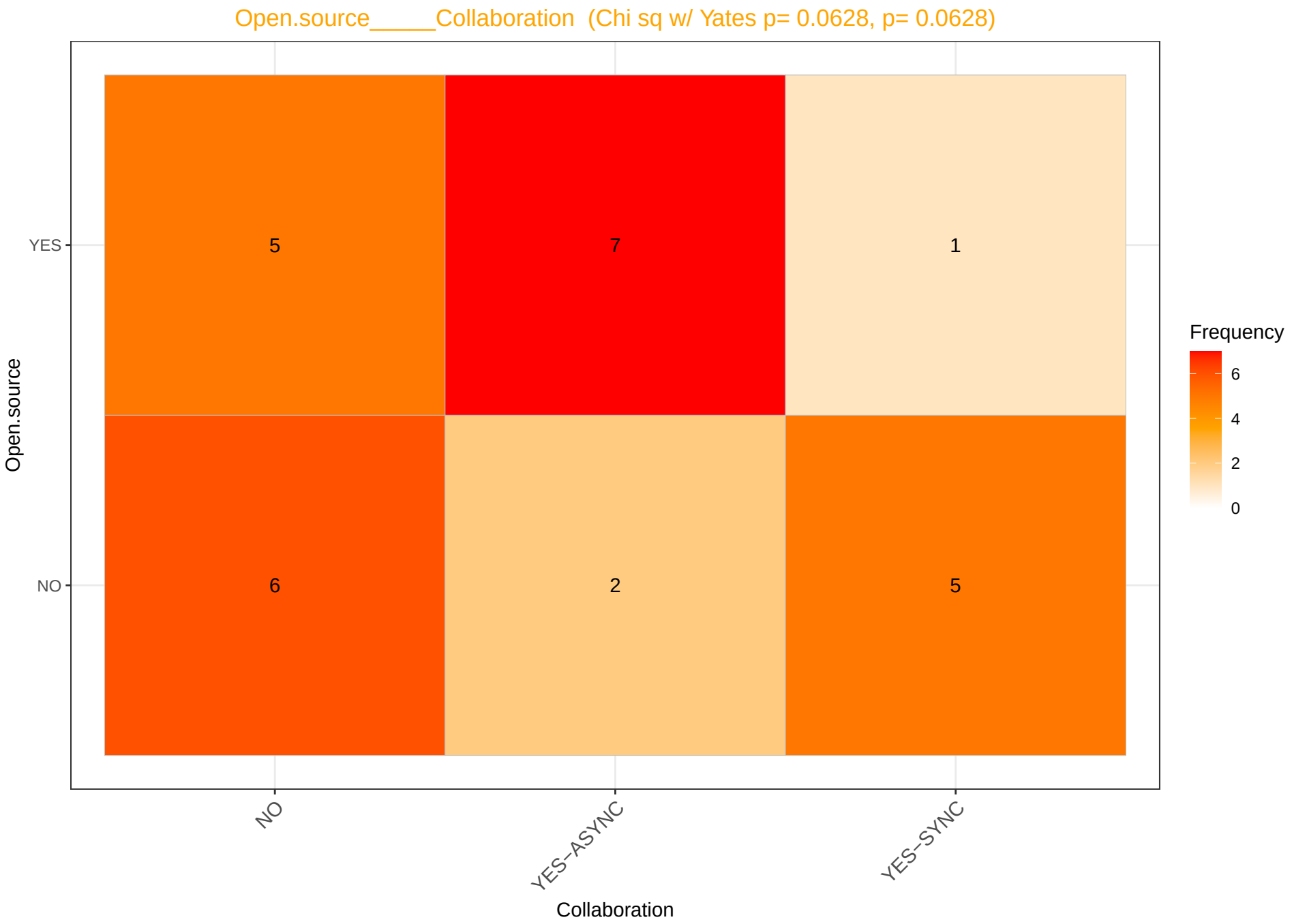
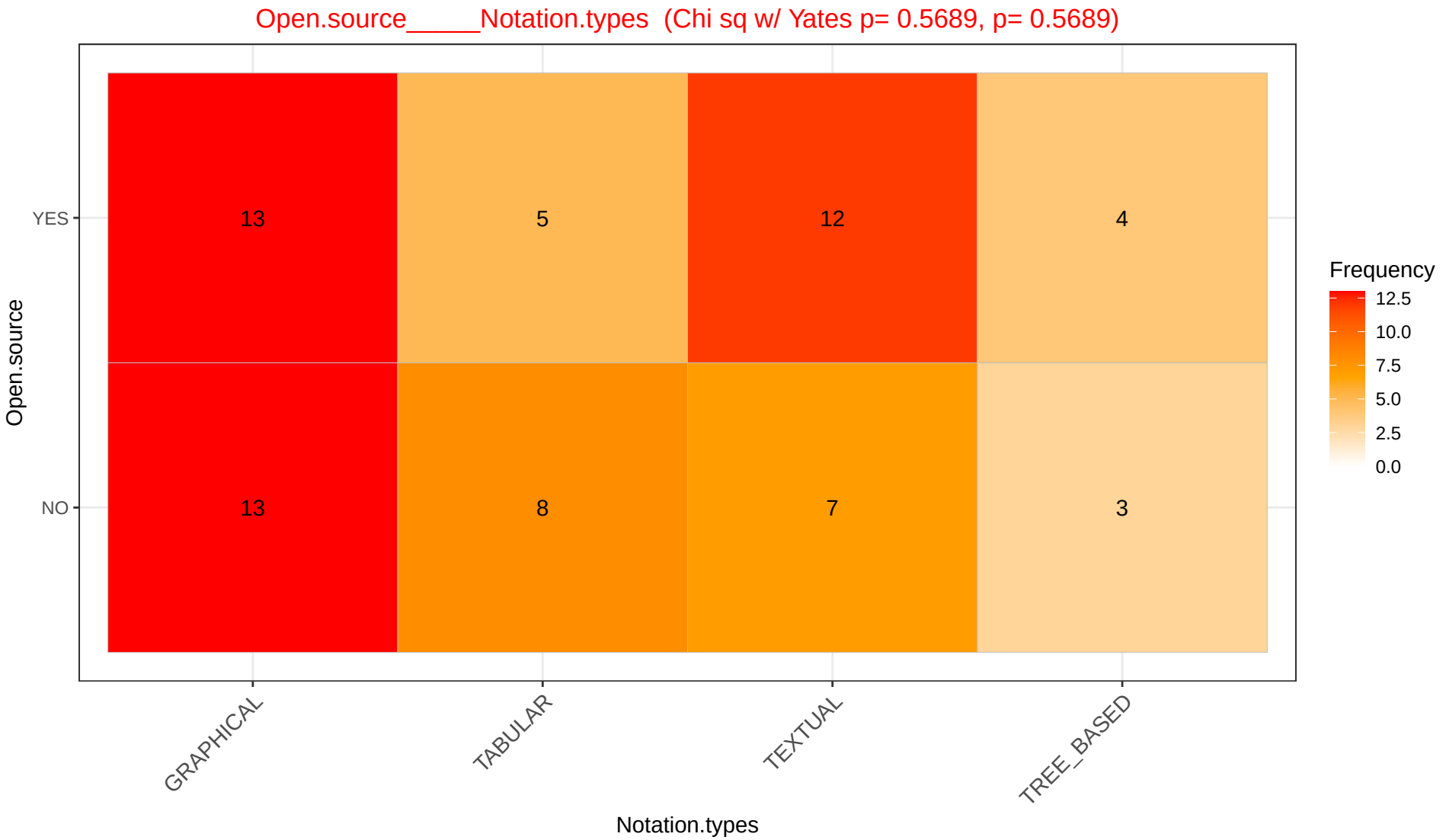
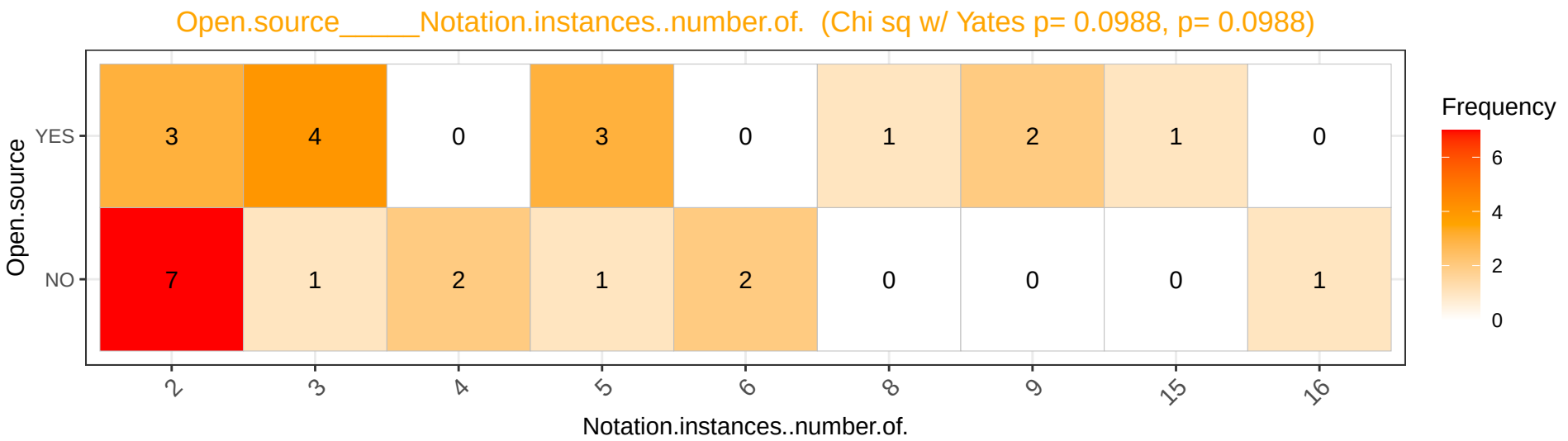
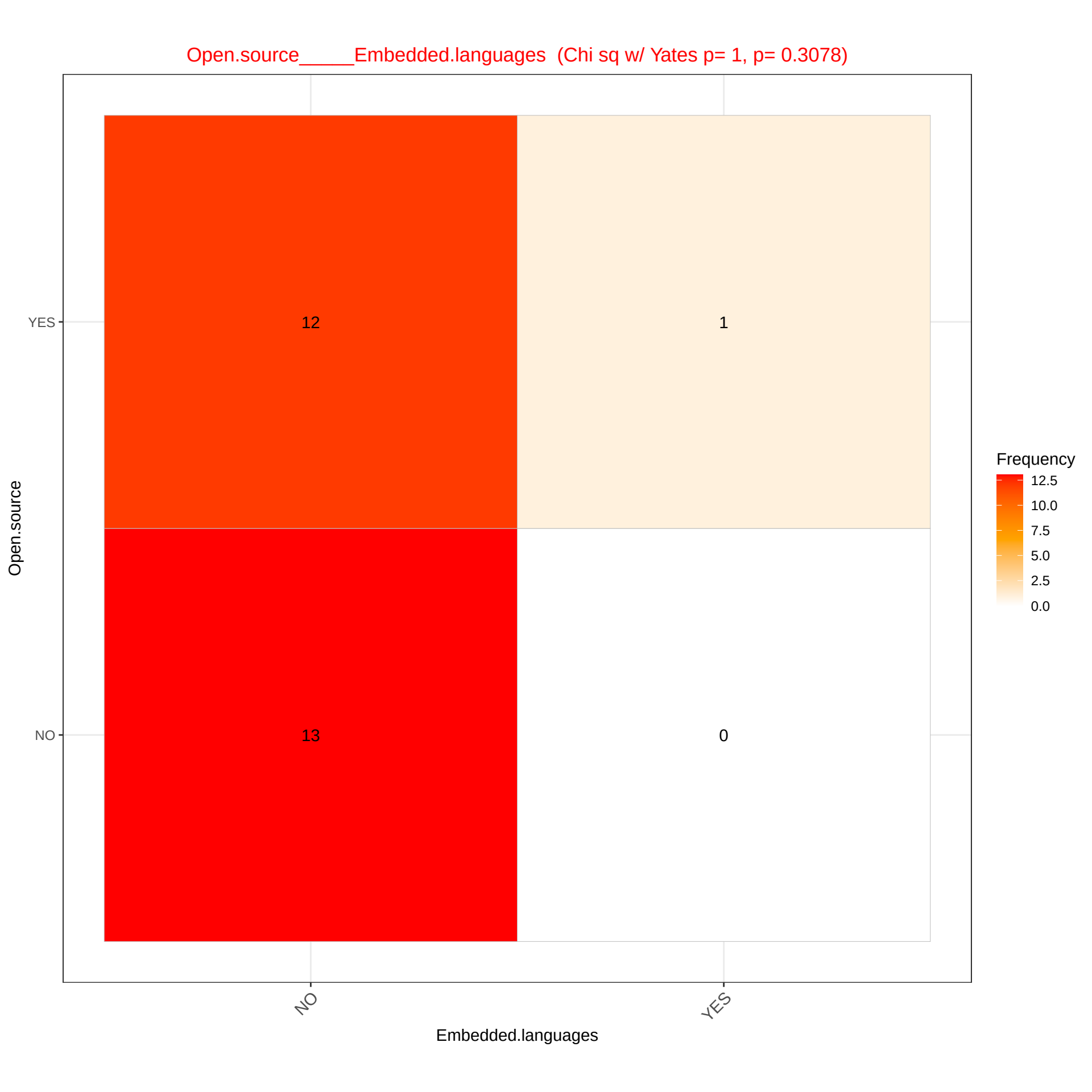
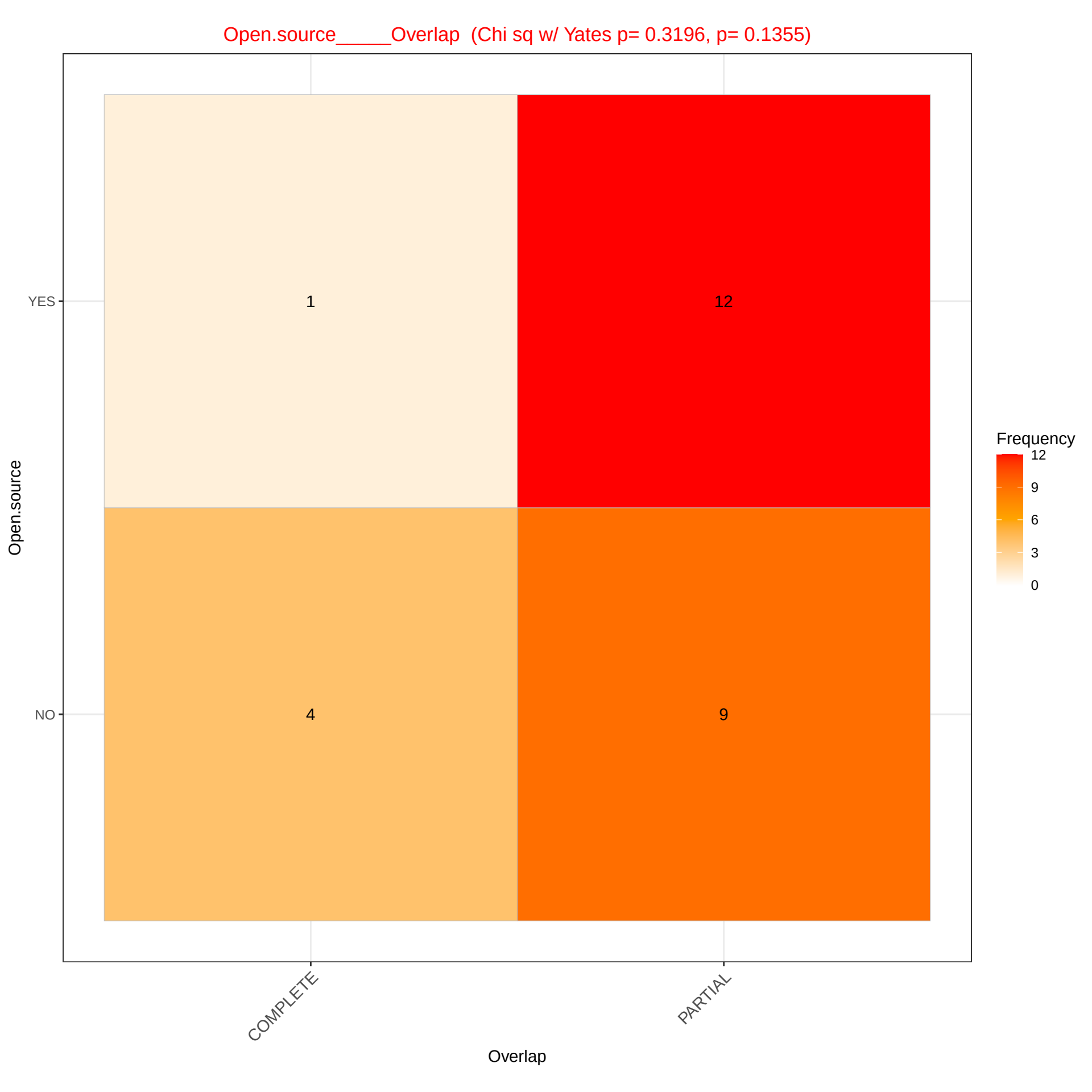

Open.source_____Web.based (Chi sq w/ Yates p= 0.4097, p= 0.2162)
YES
NO
Open.source
10
3
7
6
NO
YES
Web.based
Frequency
10.0
7.5
5.0
2.5
0.0

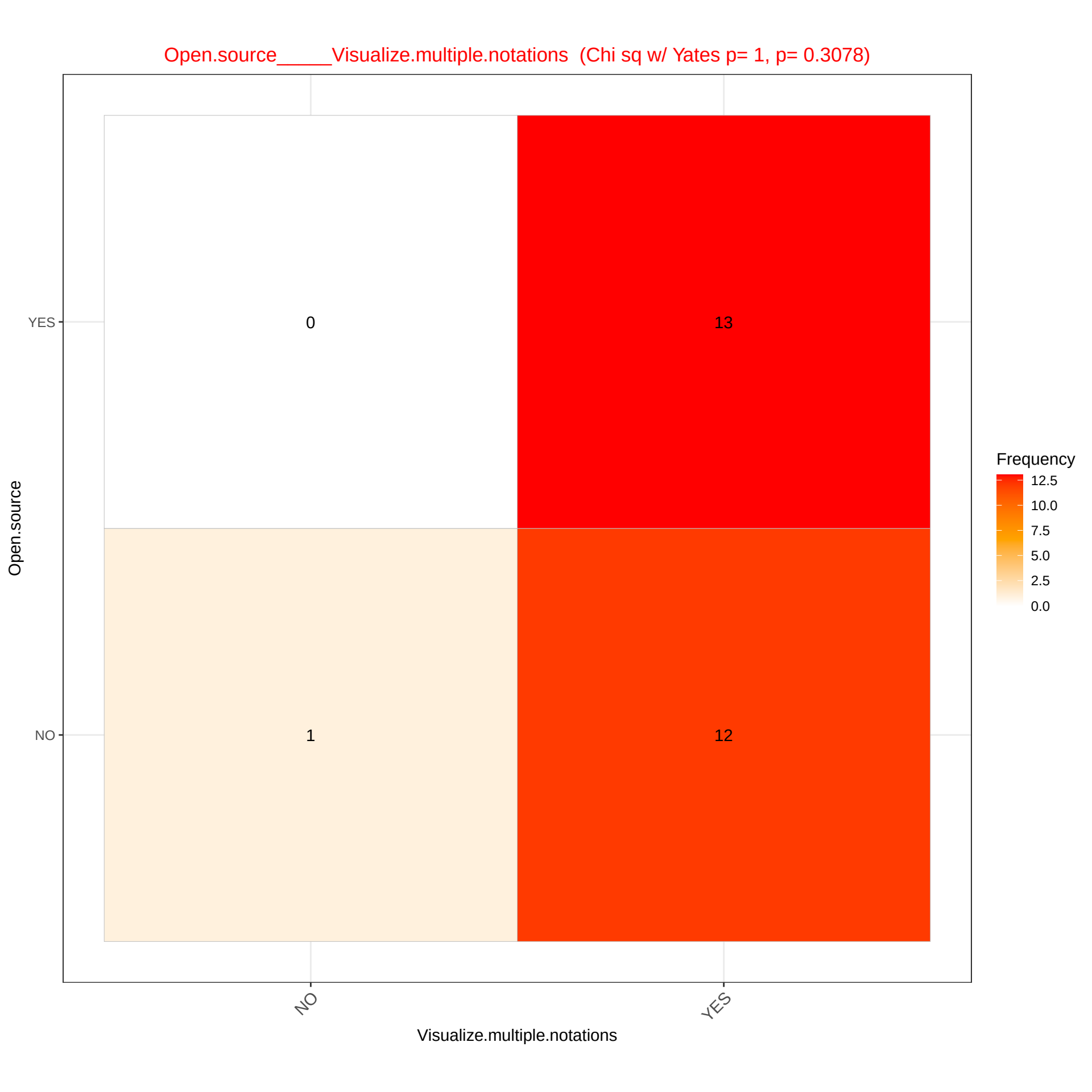

Open.source_____Collaboration (Chi sq w/ Yates p= 0.0628, p= 0.0628)
YES
NO
Open.source
5
7
1
6
2
5
NO
YES−ASYNC
YES−SYNC
Collaboration
Frequency
6
4
2
0

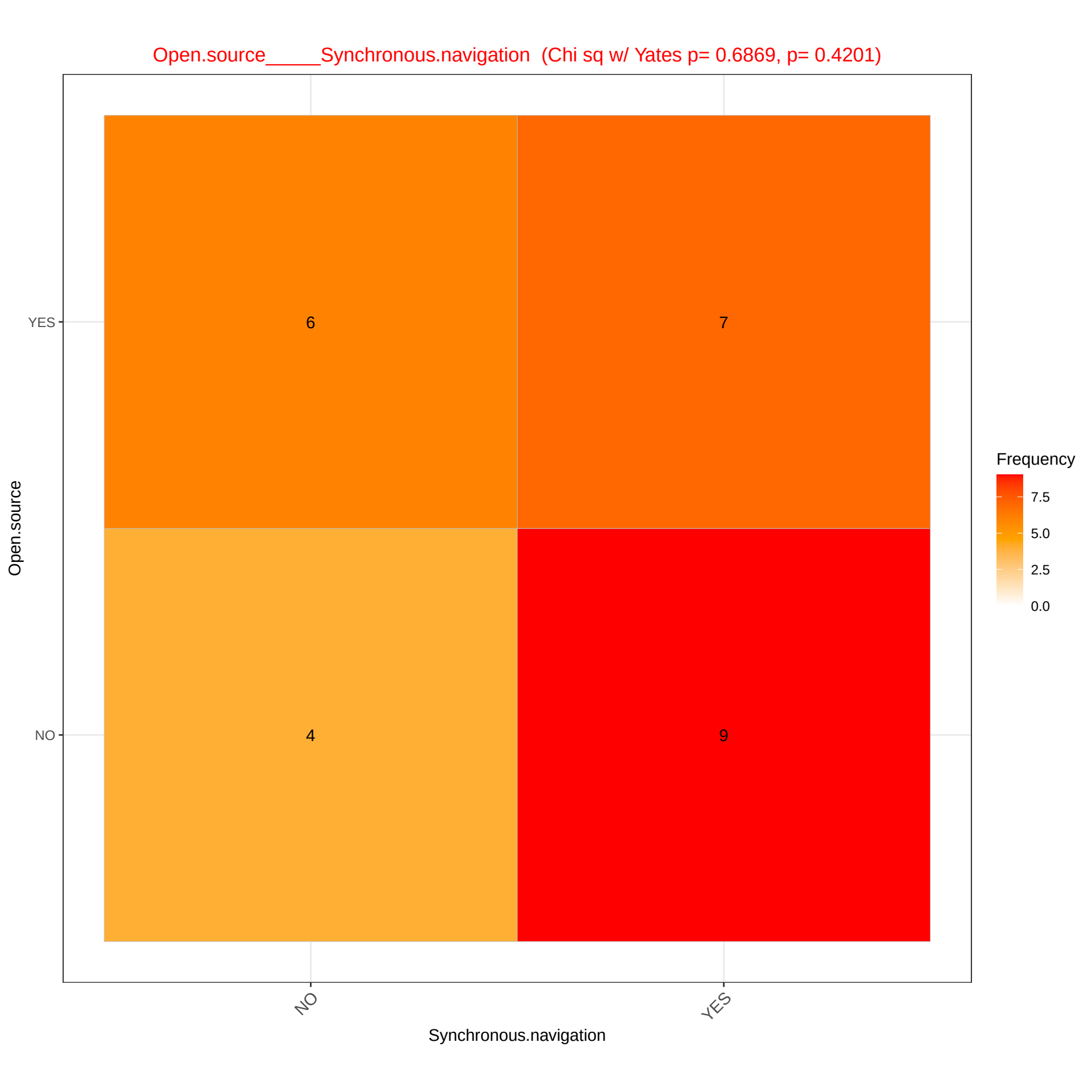

Open.source_____Notation.types (Chi sq w/ Yates p= 0.5689, p= 0.5689)
YES
NO
Open.source
13
5
12
4
13
8
7
3
GRAPHICAL
TABULAR
TEXTUAL
TREE_BASED
Notation.types
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

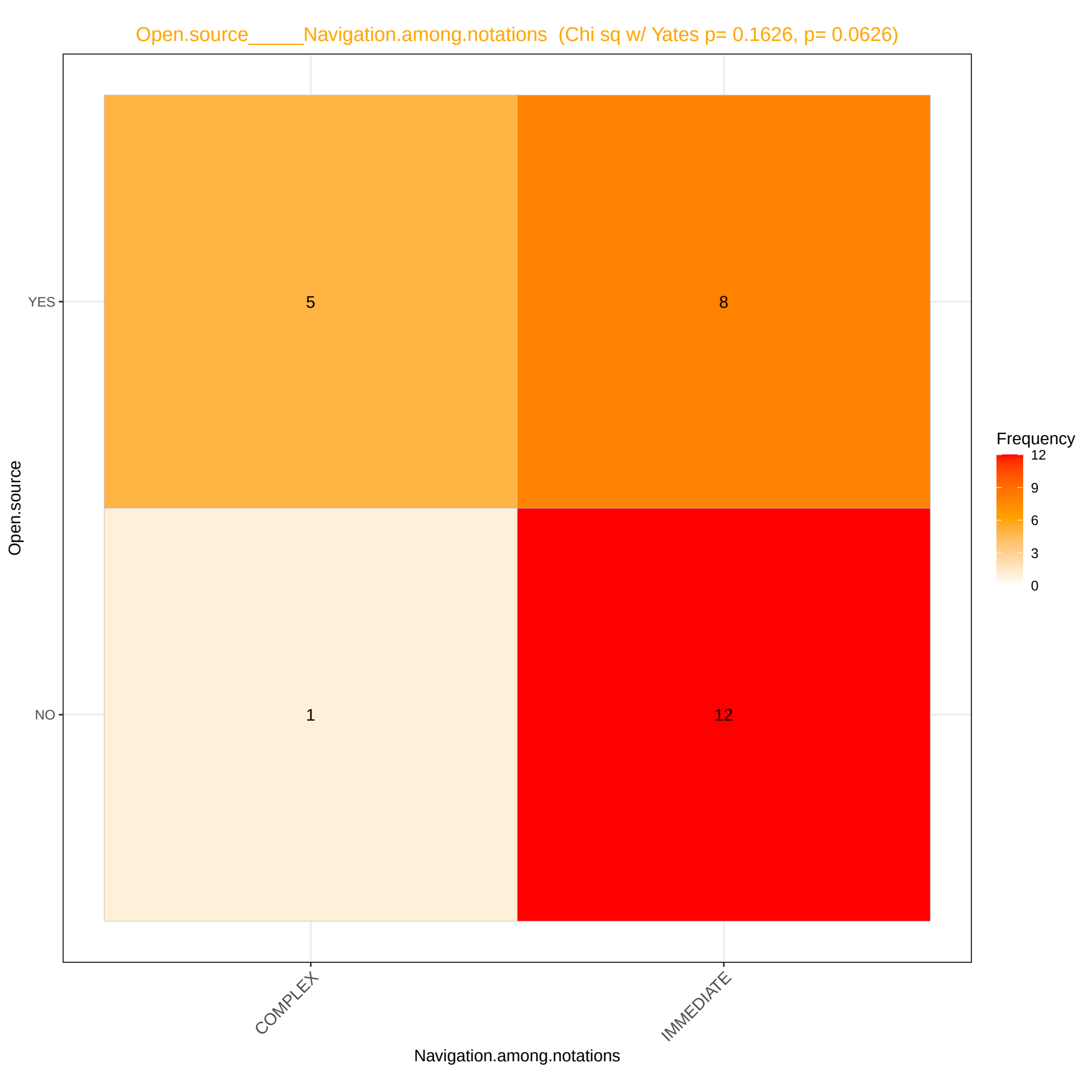

Open.source_____Notation.instances..number.of. (Chi sq w/ Yates p= 0.0988, p= 0.0988)
Open.source
YES
NO
3
4
0
3
0
1
2
1
0
7
1
2
1
2
0
0
0
1
2
3
4
5
6
8
9
15
16
Notation.instances..number.of.
Frequency
6
4
2
0

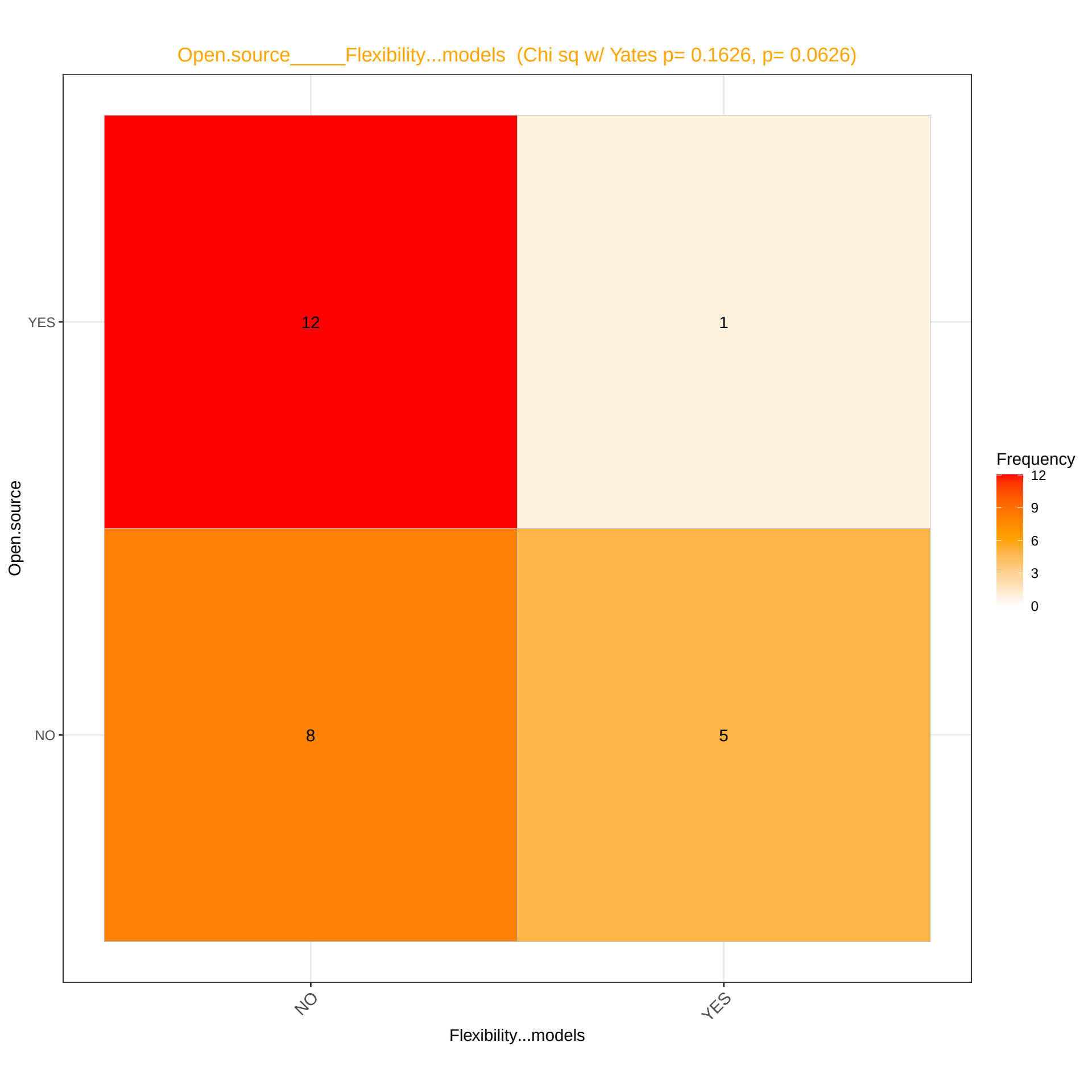

Open.source_____Embedded.languages (Chi sq w/ Yates p= 1, p= 0.3078)
YES
NO
12
1
13
0
Open.source
NO
YES
Embedded.languages
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

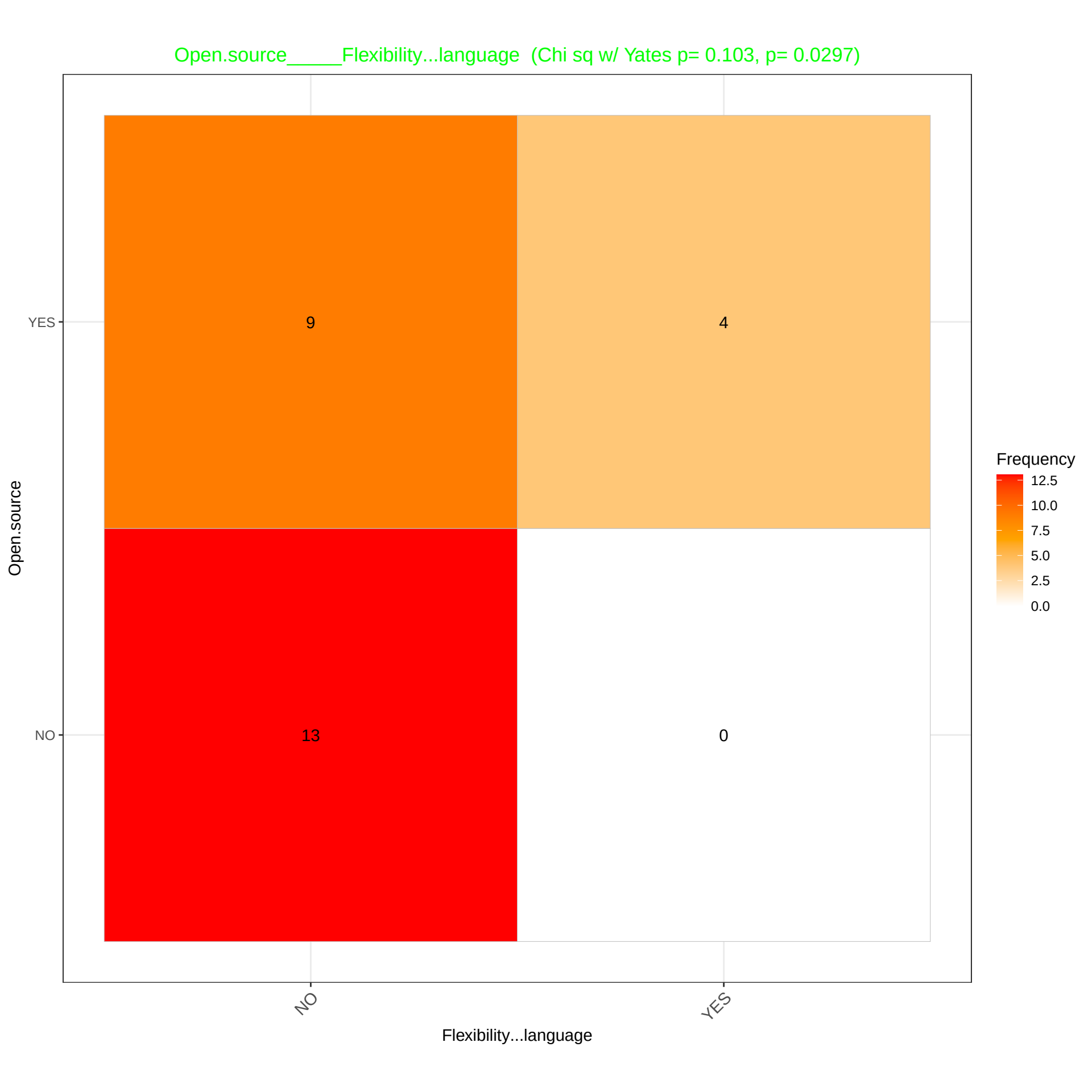

Open.source_____Overlap (Chi sq w/ Yates p= 0.3196, p= 0.1355)
YES
NO
1
12
4
9
Open.source
COMPLETE
PARTIAL
Overlap
Frequency
12
9
6
3
0

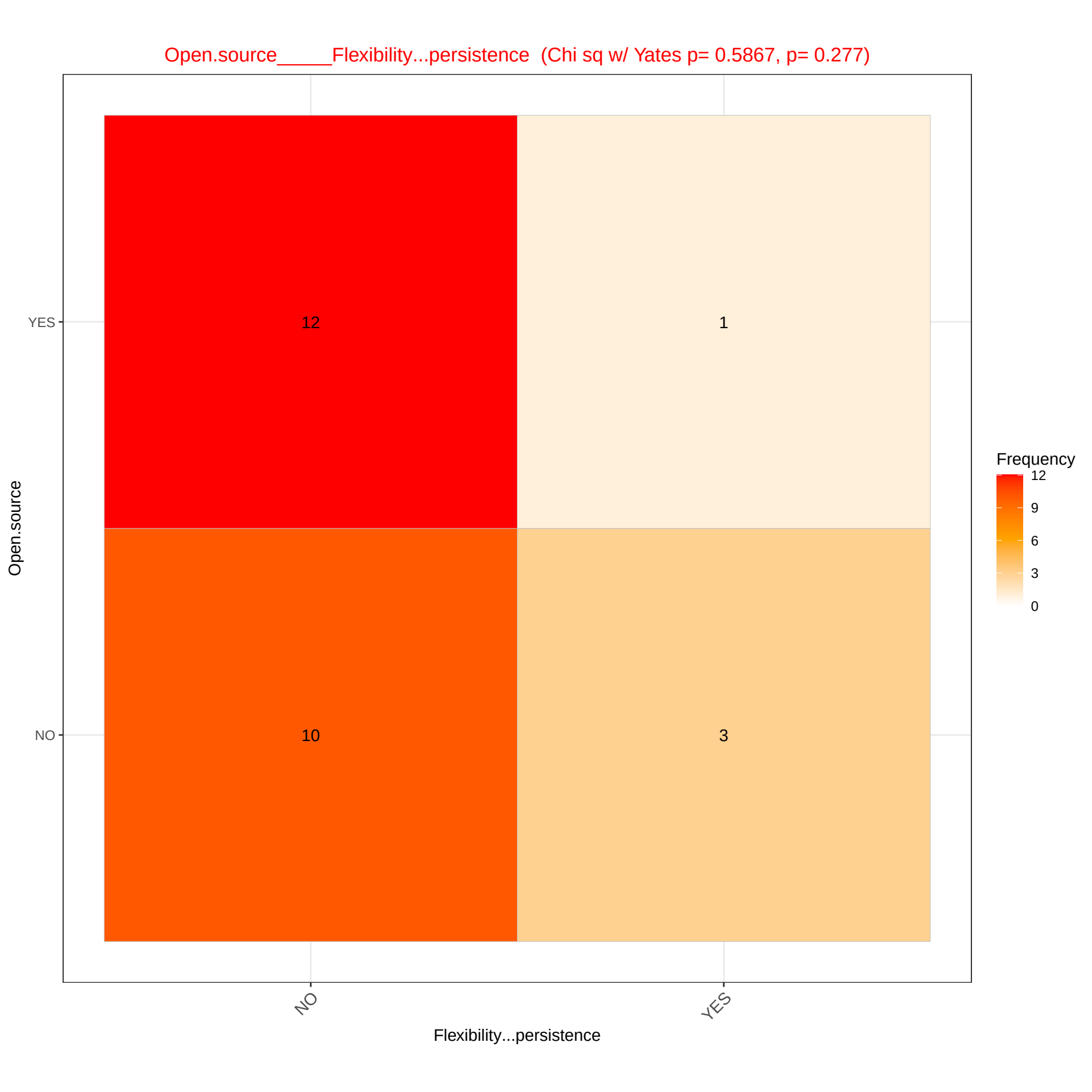

Open.source_____Visualize.multiple.notations (Chi sq w/ Yates p= 1, p= 0.3078)
YES
NO
0
13
1
12
Open.source
NO
YES
Visualize.multiple.notations
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

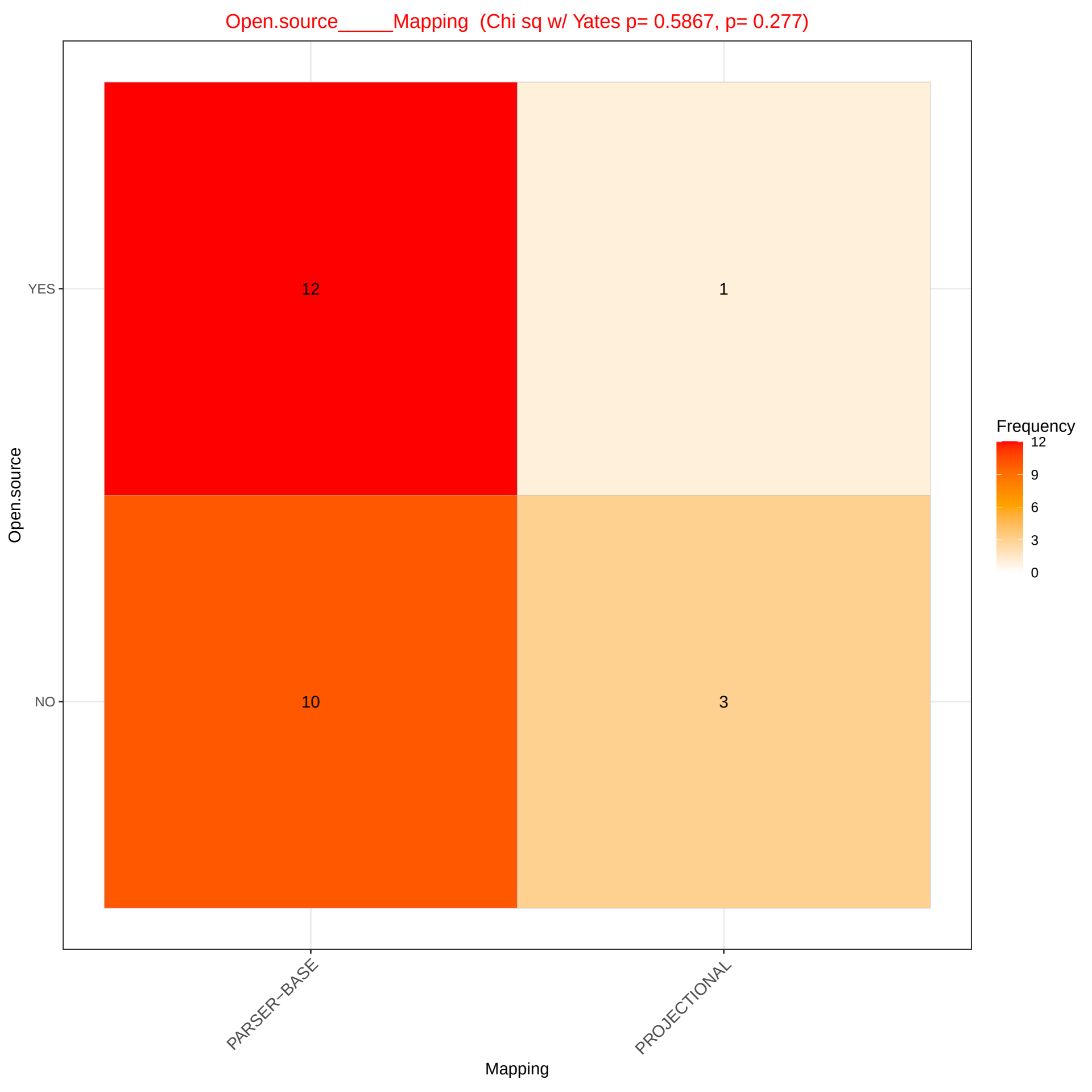

Open.source_____Synchronous.navigation (Chi sq w/ Yates p= 0.6869, p= 0.4201)
YES
NO
6
7
4
9
Open.source
NO
YES
Synchronous.navigation
Frequency
7.5
5.0
2.5
0.0

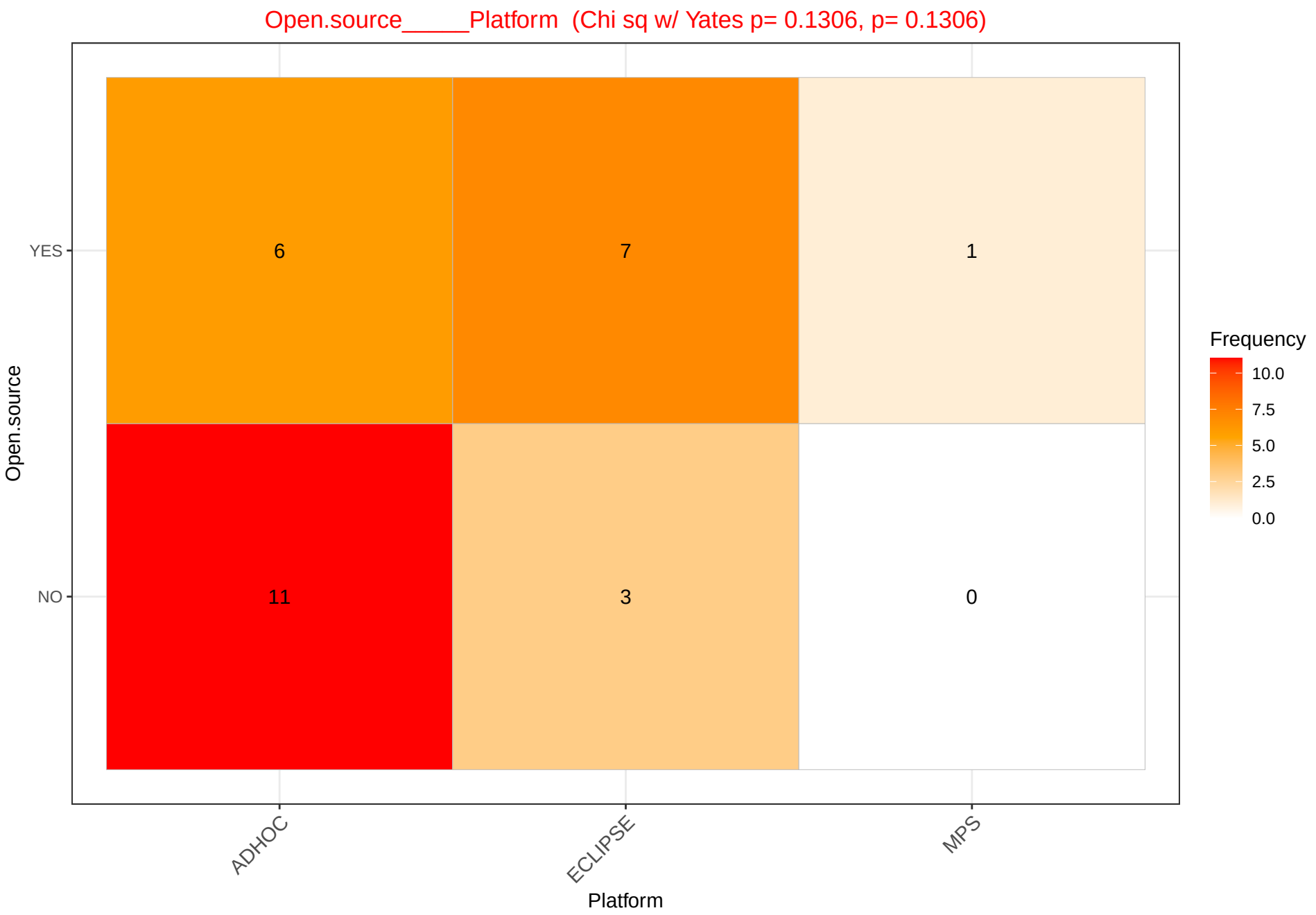

Open.source_____Navigation.among.notations (Chi sq w/ Yates p= 0.1626, p= 0.0626)
YES
NO
5
8
1
12
Open.source
COMPLEX
IMMEDIATE
Navigation.among.notations
Frequency
12
9
6
3
0

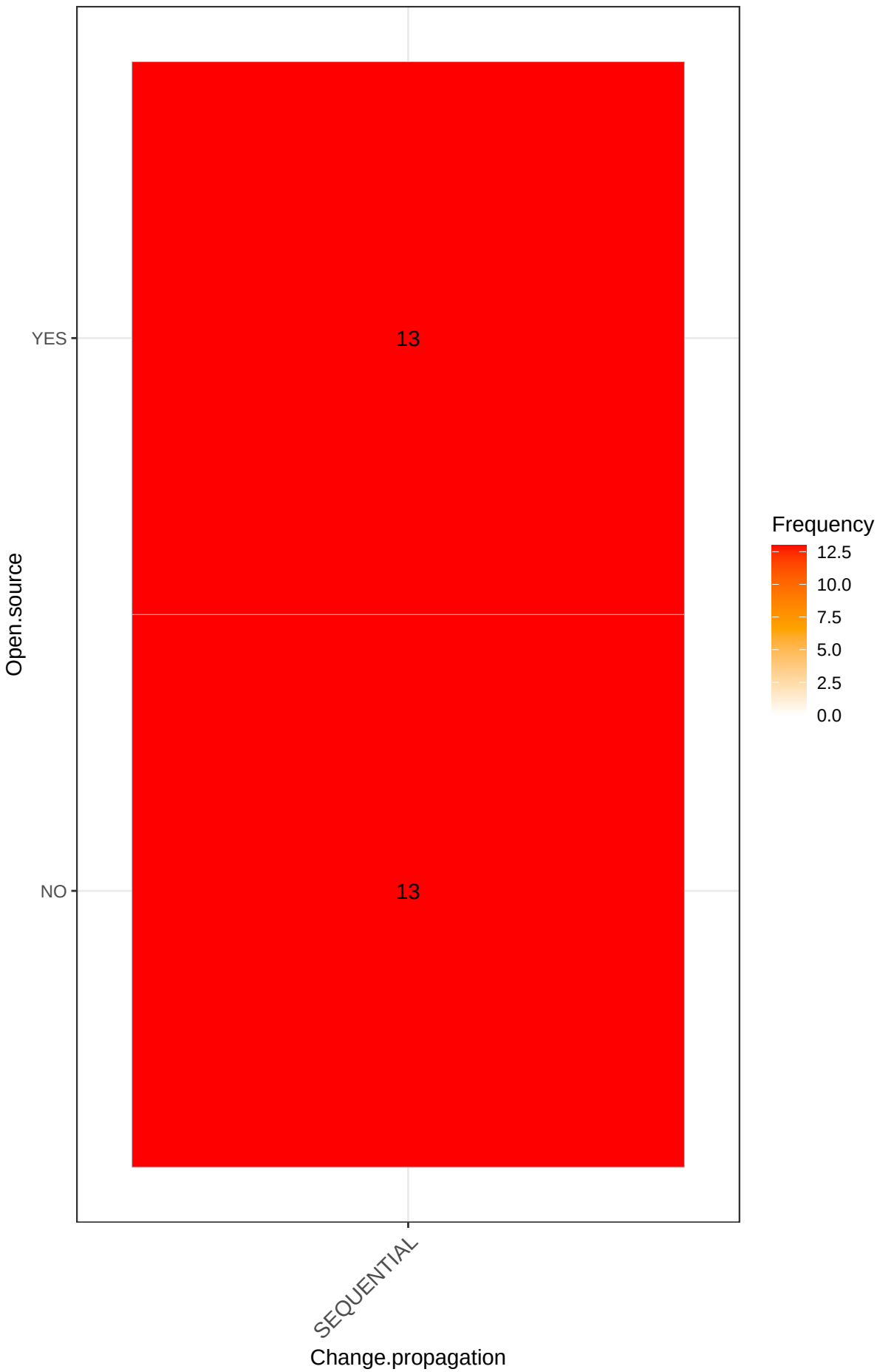

Open.source_____Flexibility...models (Chi sq w/ Yates p= 0.1626, p= 0.0626)
YES
NO
12
1
8
5
Open.source
NO
YES
Flexibility...models
Frequency
12
9
6
3
0

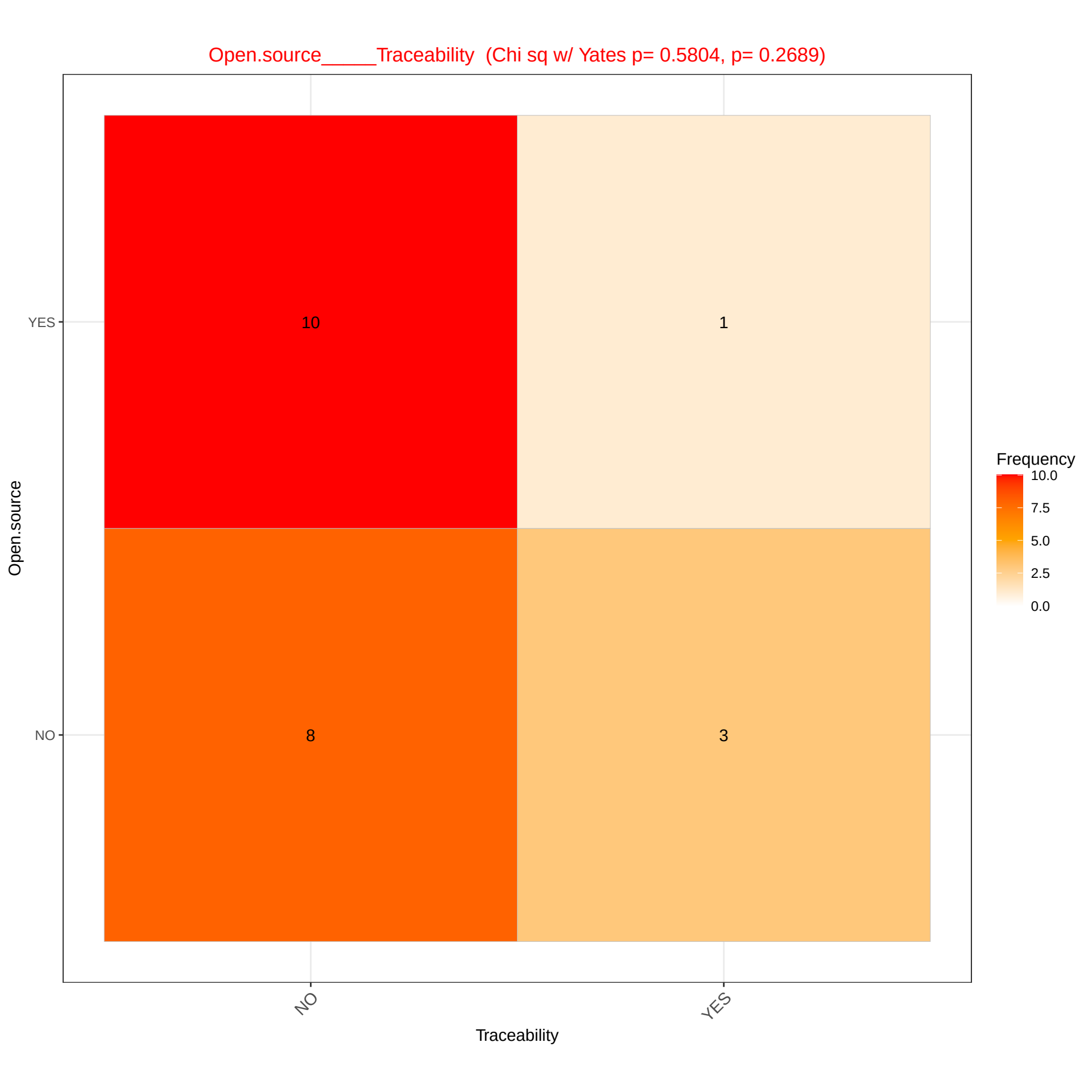

Open.source_____Flexibility...language (Chi sq w/ Yates p= 0.103, p= 0.0297)
YES
NO
9
4
13
0
Open.source
NO
YES
Flexibility...language
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

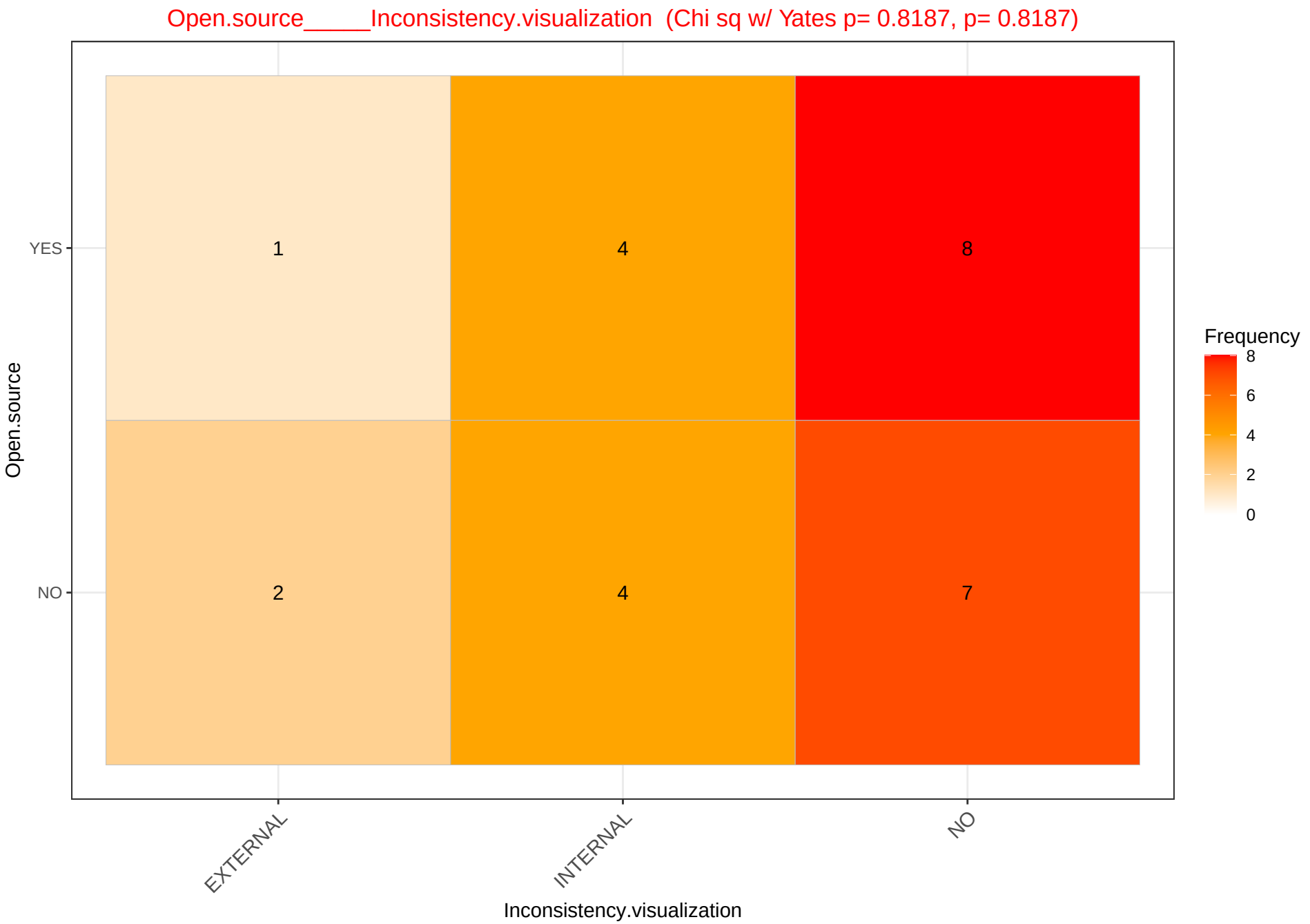

Open.source_____Flexibility...persistence (Chi sq w/ Yates p= 0.5867, p= 0.277)
YES
NO
12
1
10
3
Open.source
NO
YES
Flexibility...persistence
Frequency
12
9
6
3
0

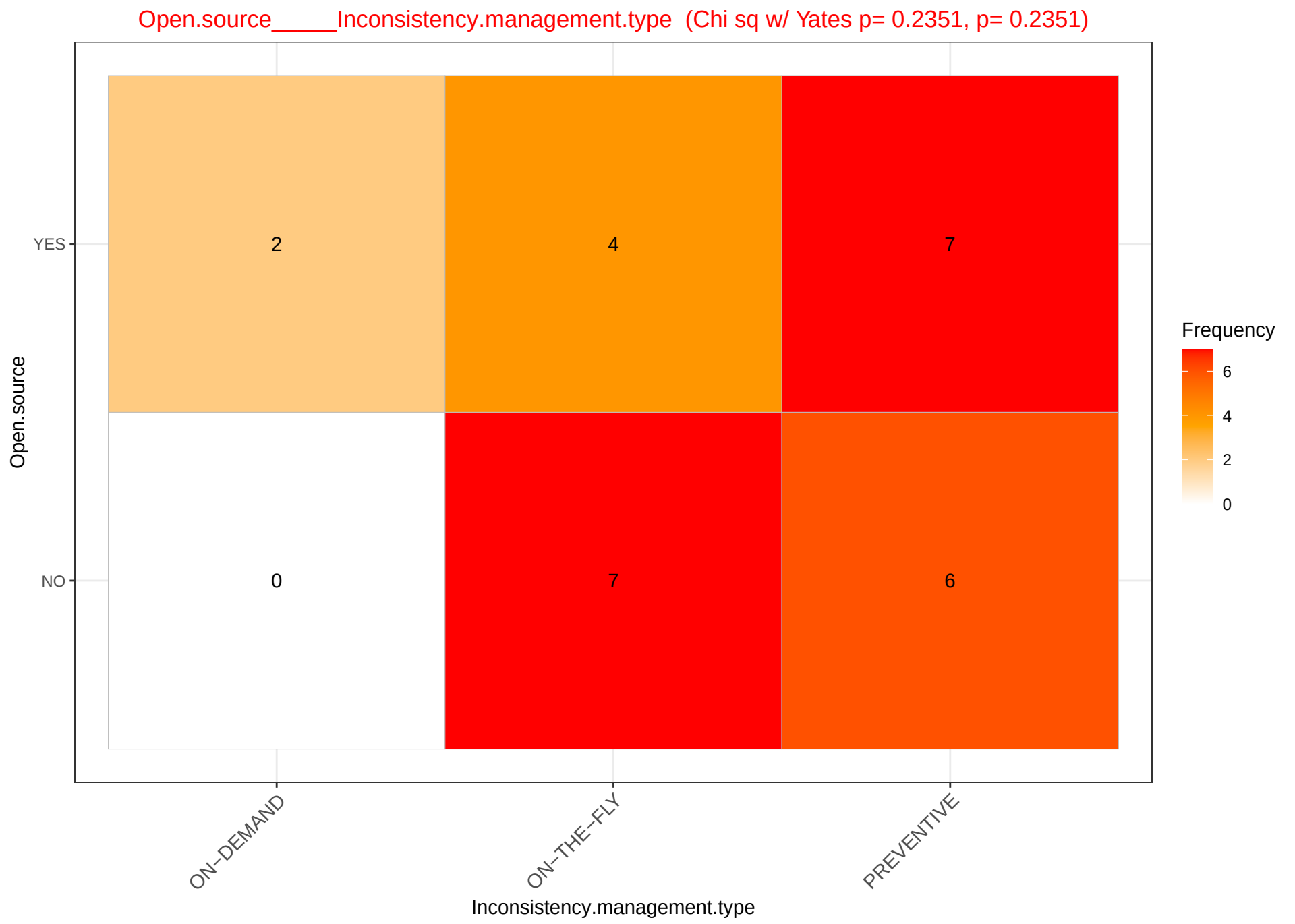

Open.source_____Mapping (Chi sq w/ Yates p= 0.5867, p= 0.277)
YES
NO
12
1
10
3
Open.source
PARSER−BASE
PROJECTIONAL
Mapping
Frequency
12
9
6
3
0

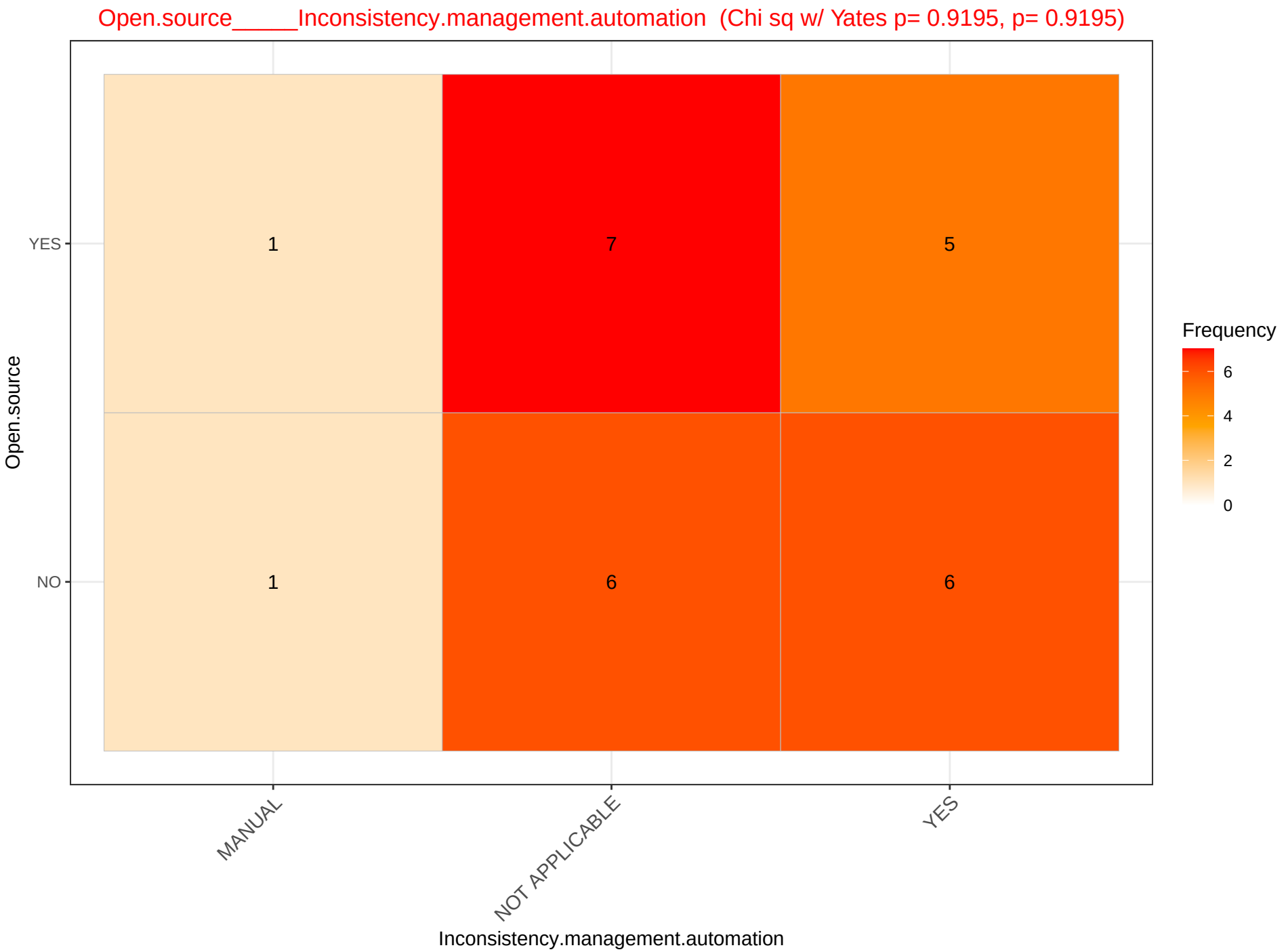

Open.source_____Platform (Chi sq w/ Yates p= 0.1306, p= 0.1306)
YES
NO
Open.source
6
7
1
11
3
0
ADHOC
ECLIPSE
MPS
Platform
Frequency
10.0
7.5
5.0
2.5
0.0

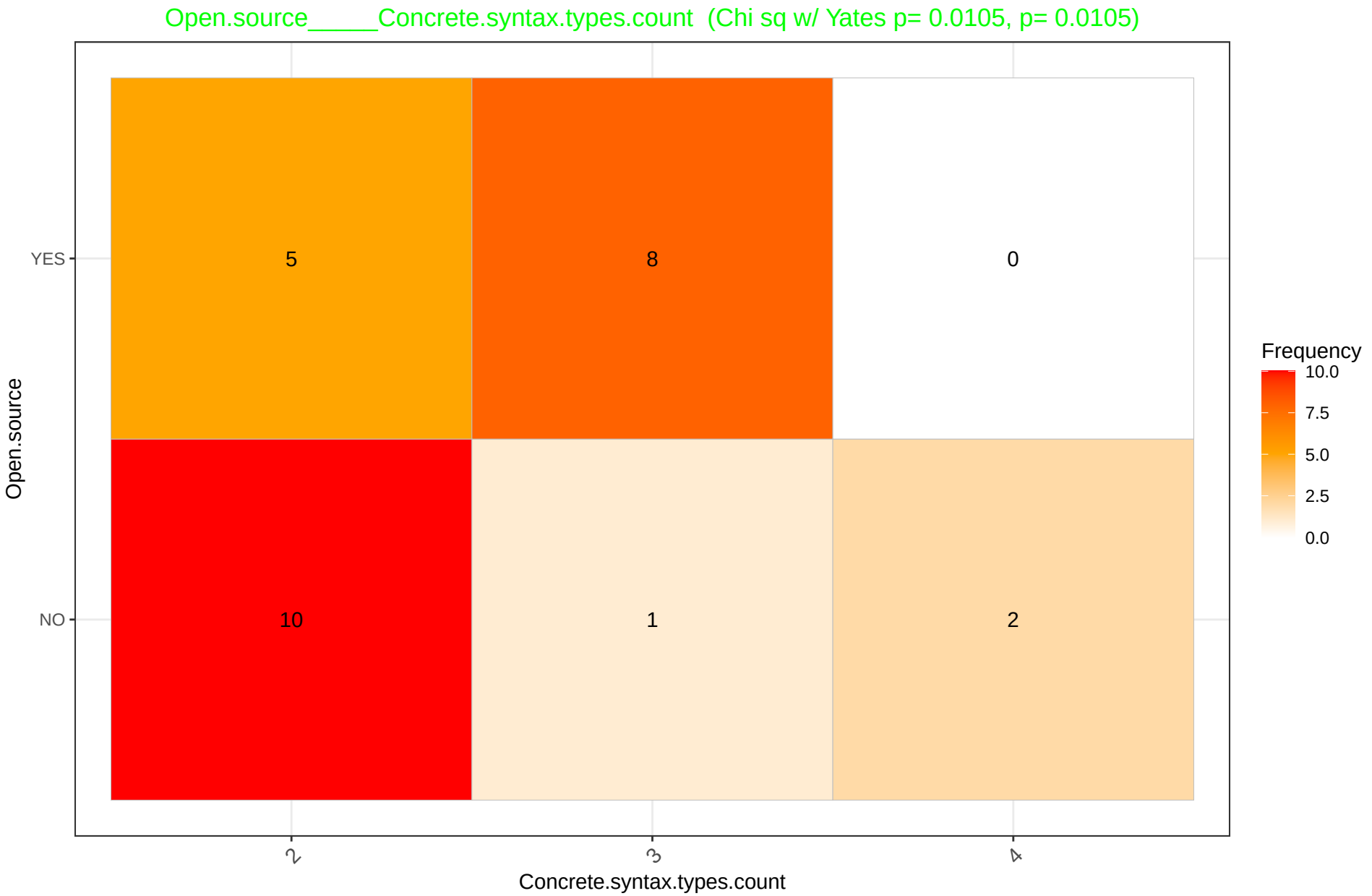

Open.source_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)
YES
NO
13
13
Open.source
SEQUENTIAL
Change.propagation
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

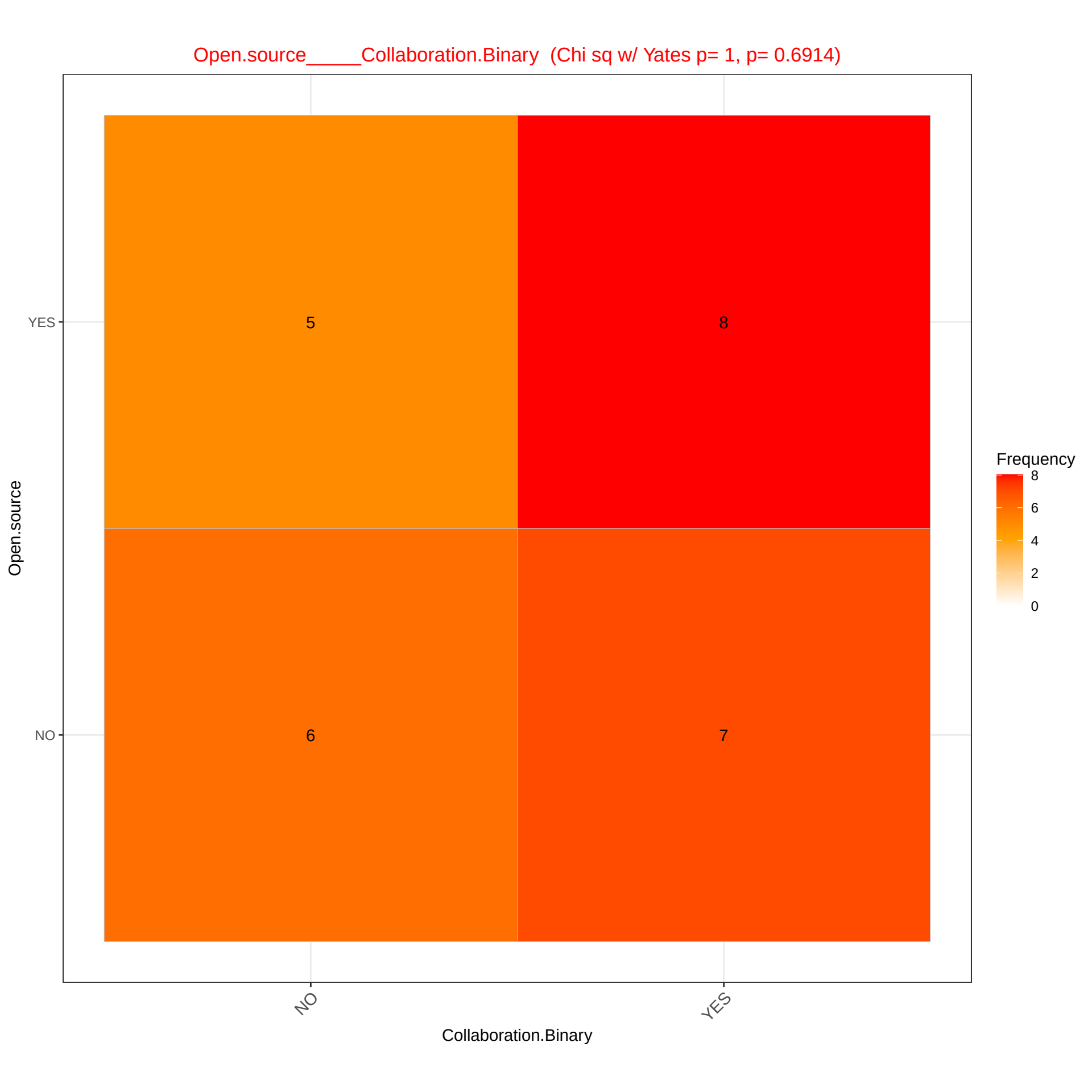

Open.source_____Traceability (Chi sq w/ Yates p= 0.5804, p= 0.2689)
YES
NO
10
1
8
3
Open.source
NO
YES
Traceability
Frequency
10.0
7.5
5.0
2.5
0.0

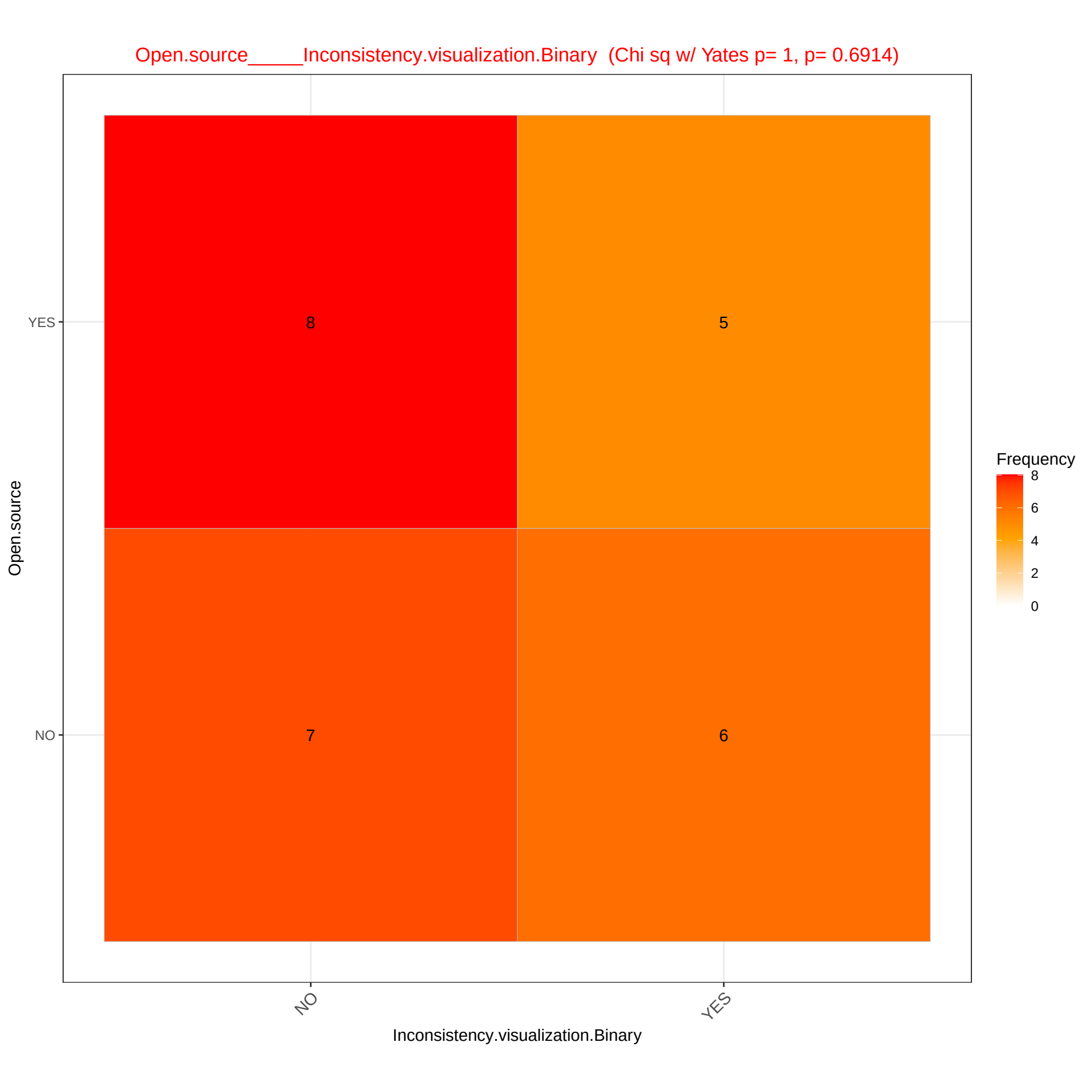

Open.source_____Inconsistency.visualization (Chi sq w/ Yates p= 0.8187, p= 0.8187)
YES
NO
1
4
8
2
4
7
Open.source
EXTERNAL
INTERNAL
NO
Inconsistency.visualization
Frequency
8
6
4
2
0

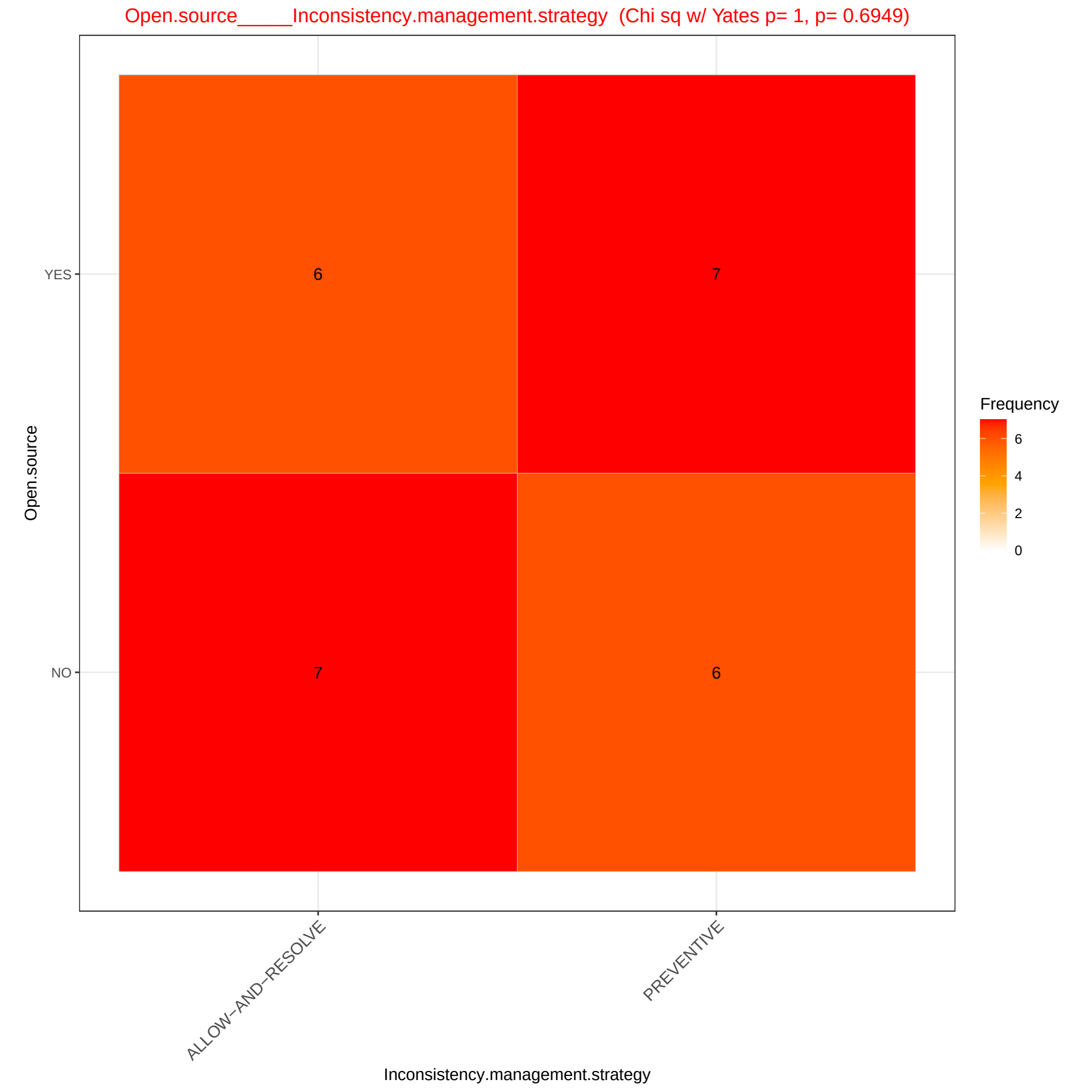

Open.source_____Inconsistency.management.type (Chi sq w/ Yates p= 0.2351, p= 0.2351)
YES
NO
Open.source
2
4
7
0
7
6
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type
Frequency
6
4
2
0

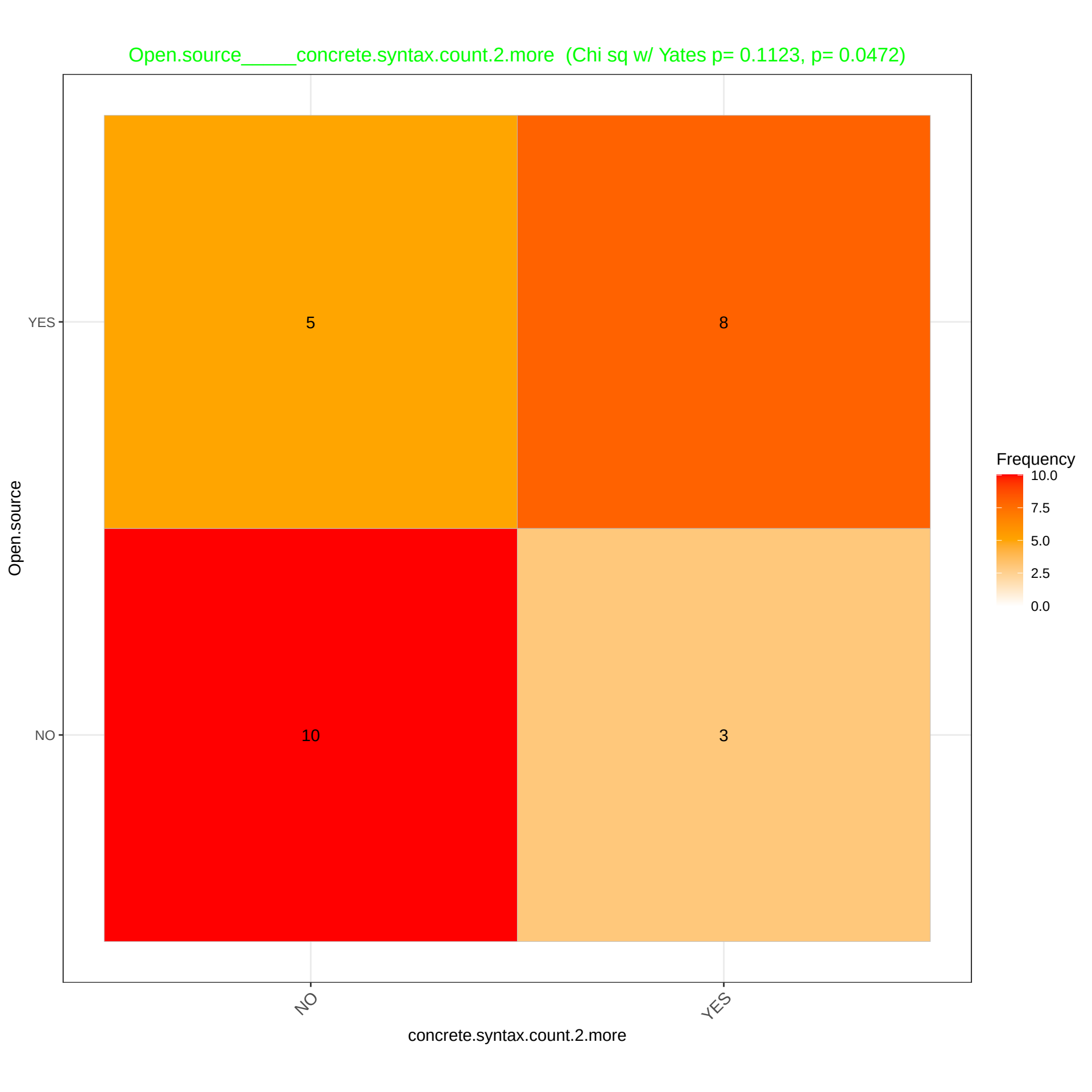

Open.source_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.9195, p= 0.9195)
YES
NO
Open.source
1
7
5
1
6
6
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
6
4
2
0

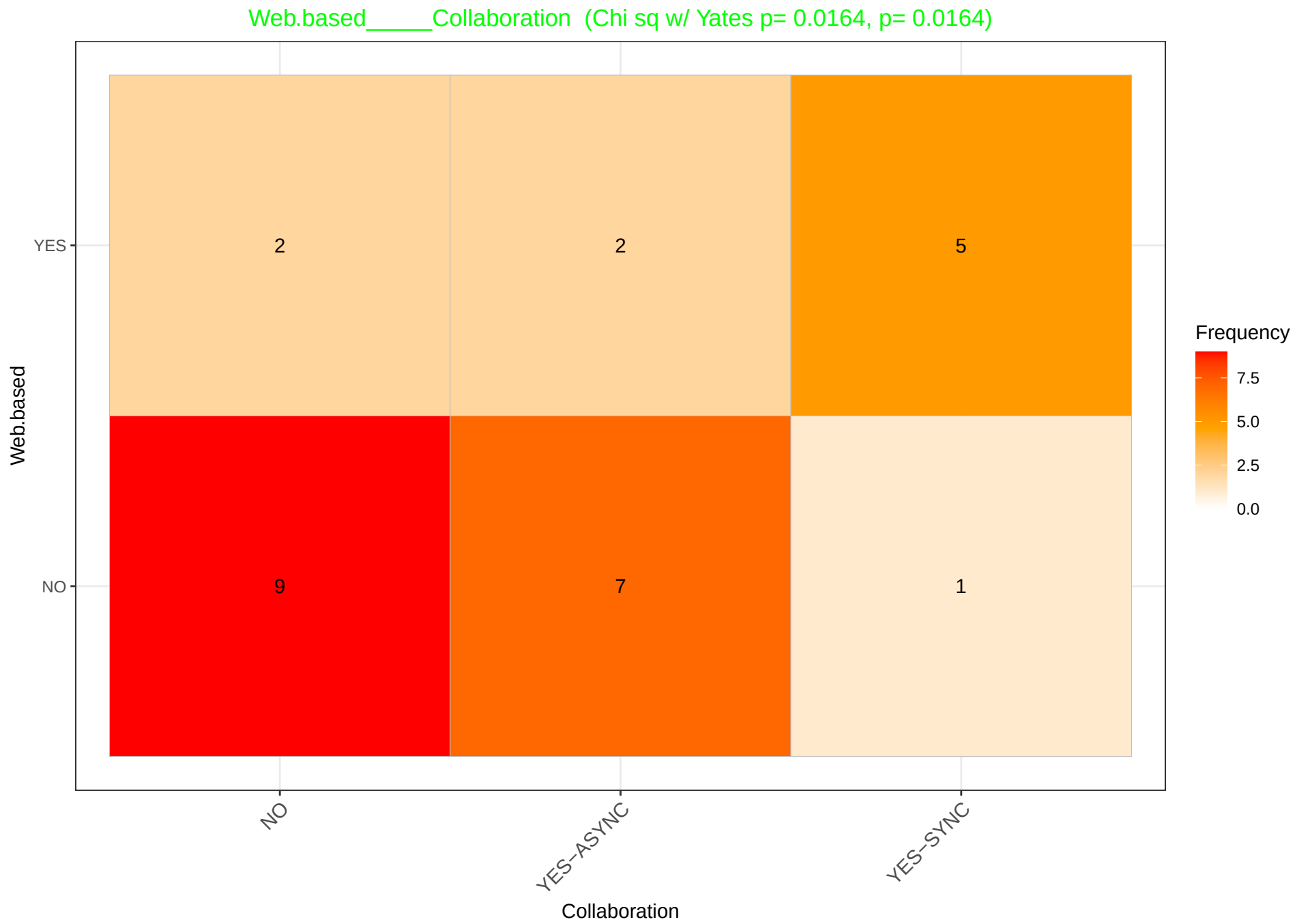

Open.source_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.0105, p= 0.0105)
YES
NO
Open.source
5
8
0
10
1
2
2
3
4
Concrete.syntax.types.count
Frequency
10.0
7.5
5.0
2.5
0.0

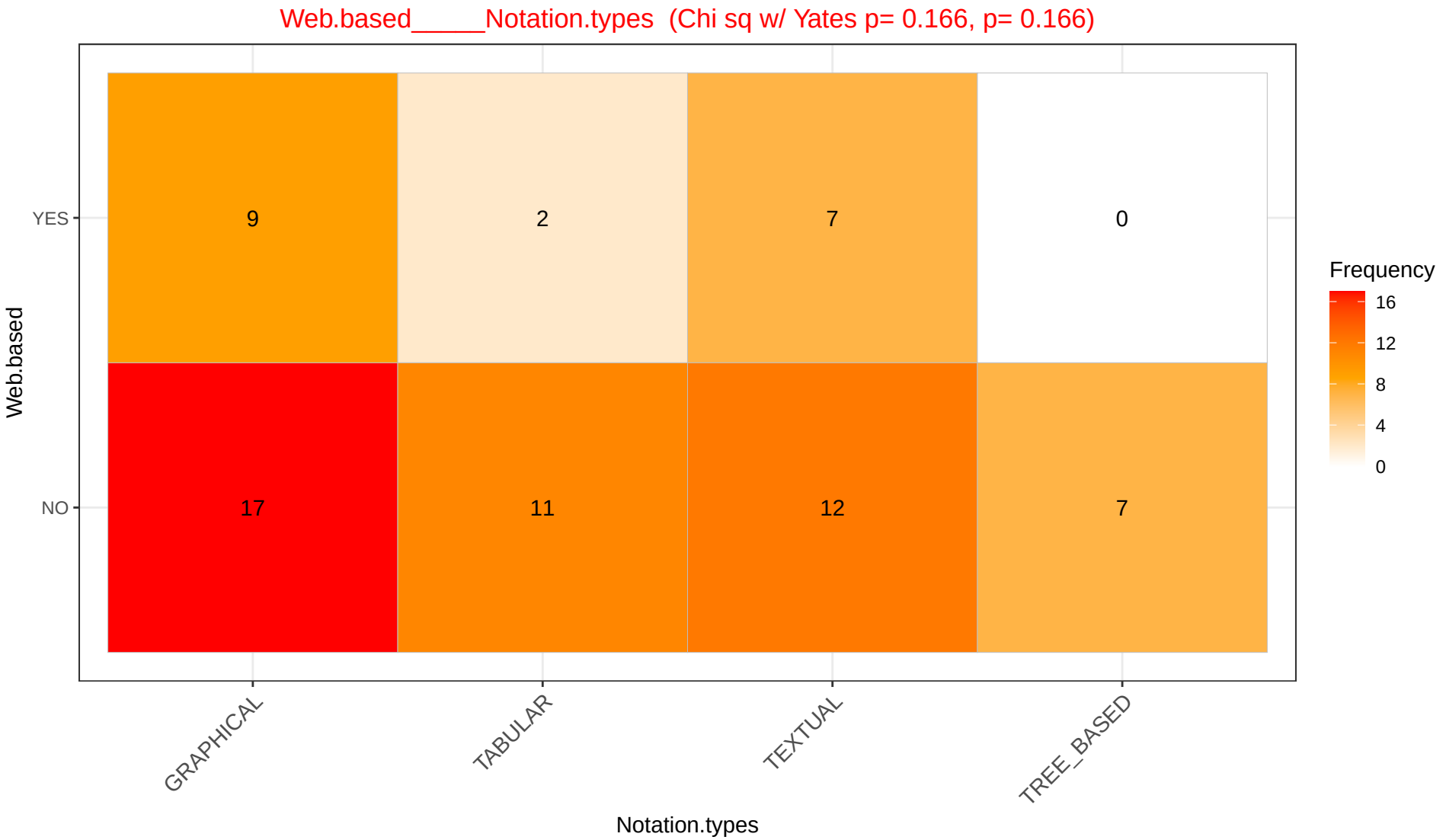

Open.source_____Collaboration.Binary (Chi sq w/ Yates p= 1, p= 0.6914)
YES
NO
5
8
6
7
Open.source
NO
YES
Collaboration.Binary
Frequency
8
6
4
2
0

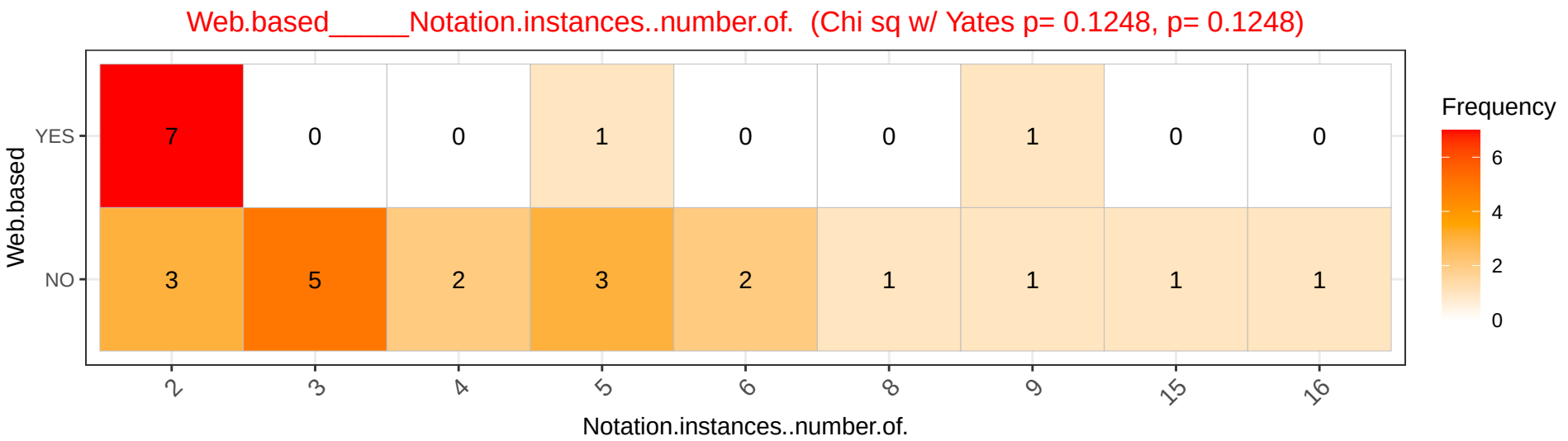

Open.source_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 1, p= 0.6914)
YES
NO
8
5
7
6
Open.source
NO
YES
Inconsistency.visualization.Binary
Frequency
8
6
4
2
0

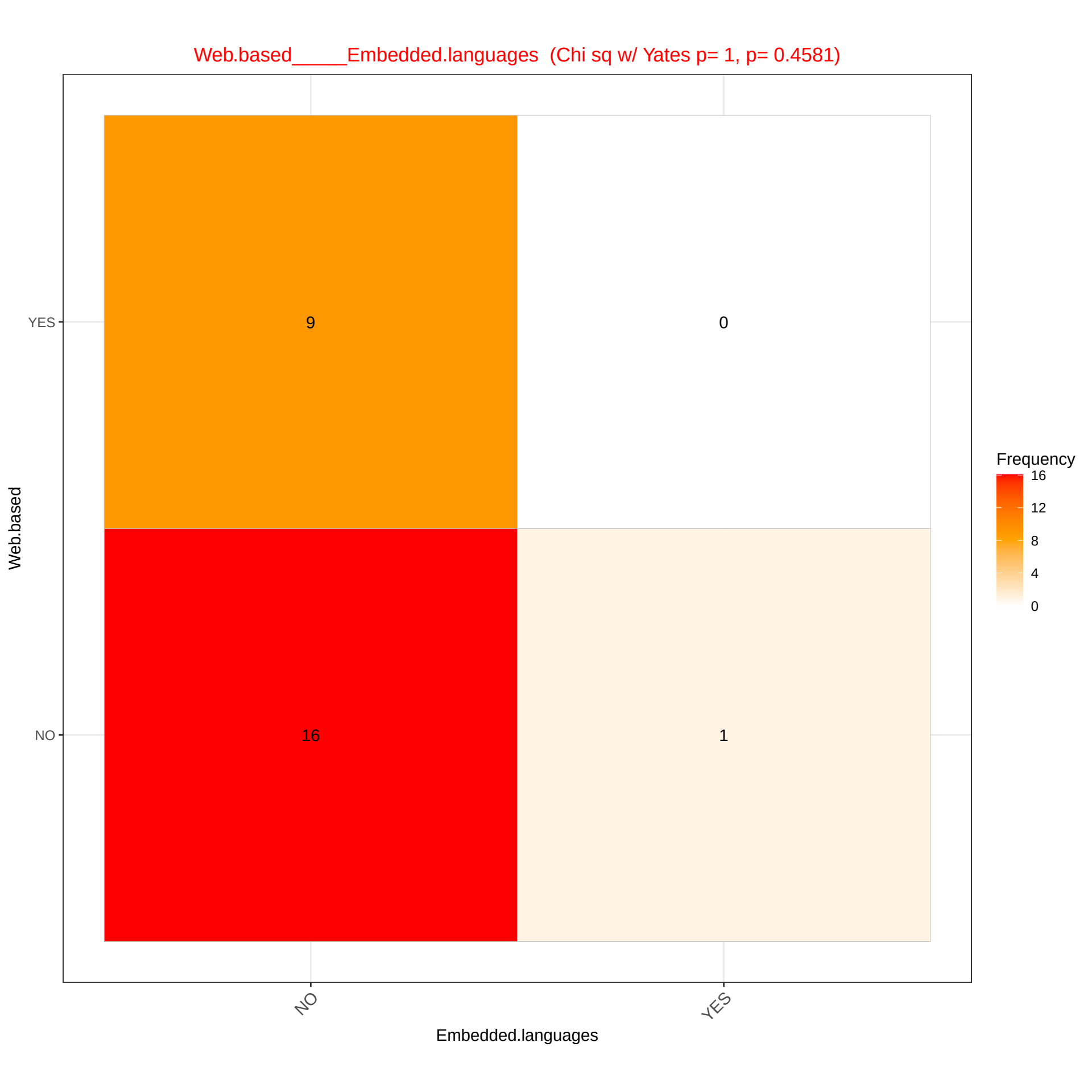

Open.source_____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 0.6949)
YES
NO
6
7
7
6
Open.source
Frequency
6
4
2
0
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy

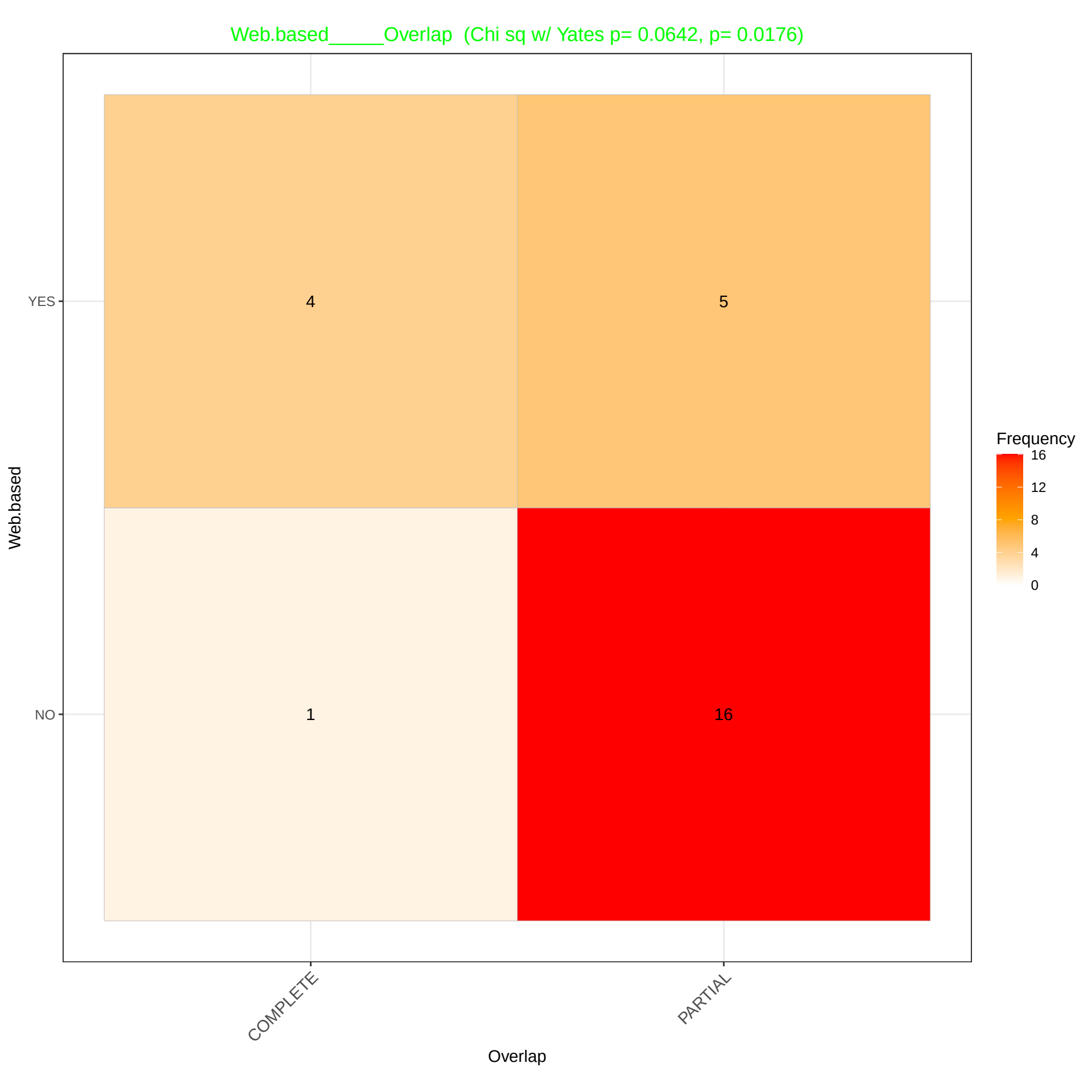

Open.source_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.1123, p= 0.0472)
YES
NO
5
8
10
3
Open.source
NO
YES
concrete.syntax.count.2.more
Frequency
10.0
7.5
5.0
2.5
0.0

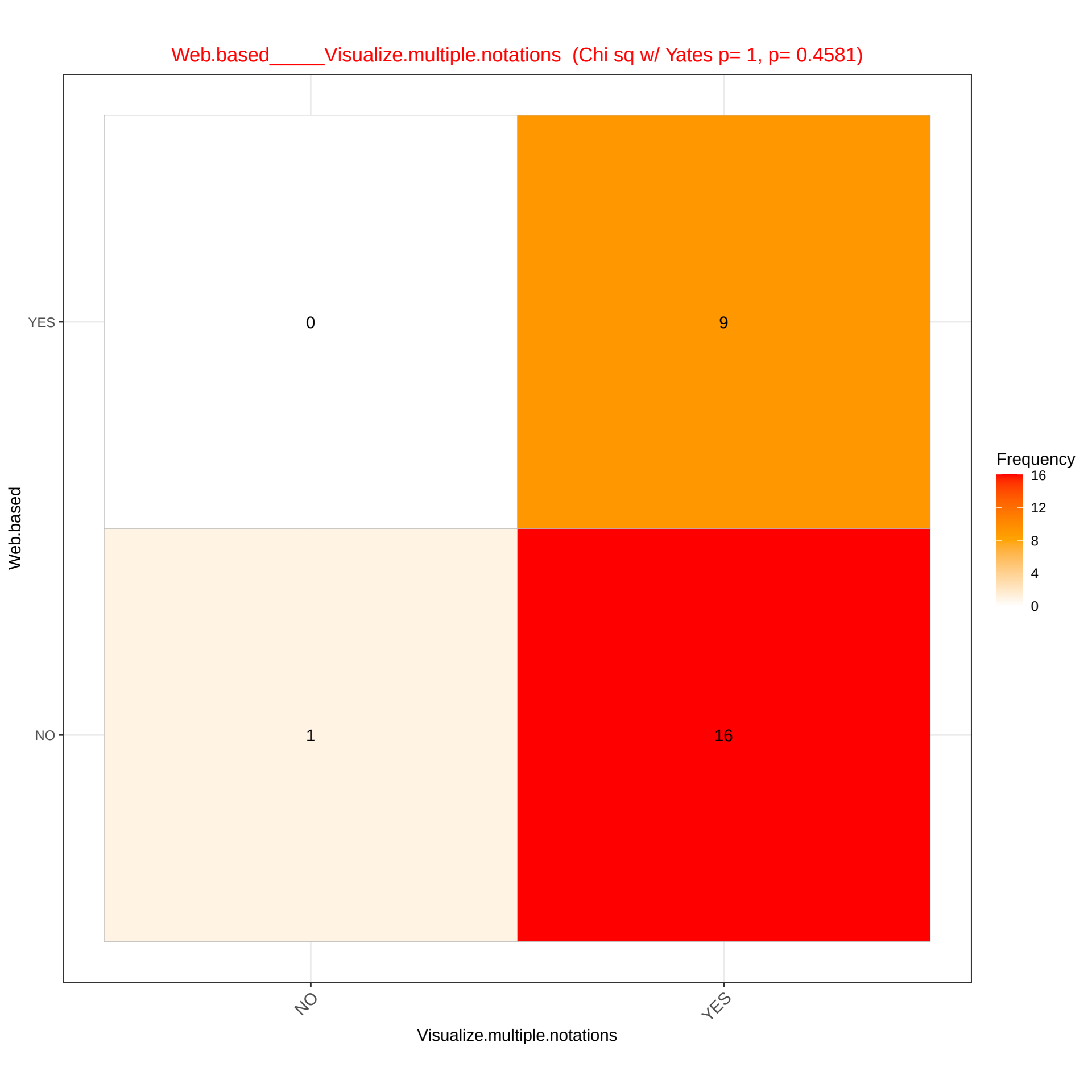

Web.based_____Collaboration (Chi sq w/ Yates p= 0.0164, p= 0.0164)
YES
NO
Web.based
2
2
5
9
7
1
NO
YES−ASYNC
YES−SYNC
Collaboration
Frequency
7.5
5.0
2.5
0.0

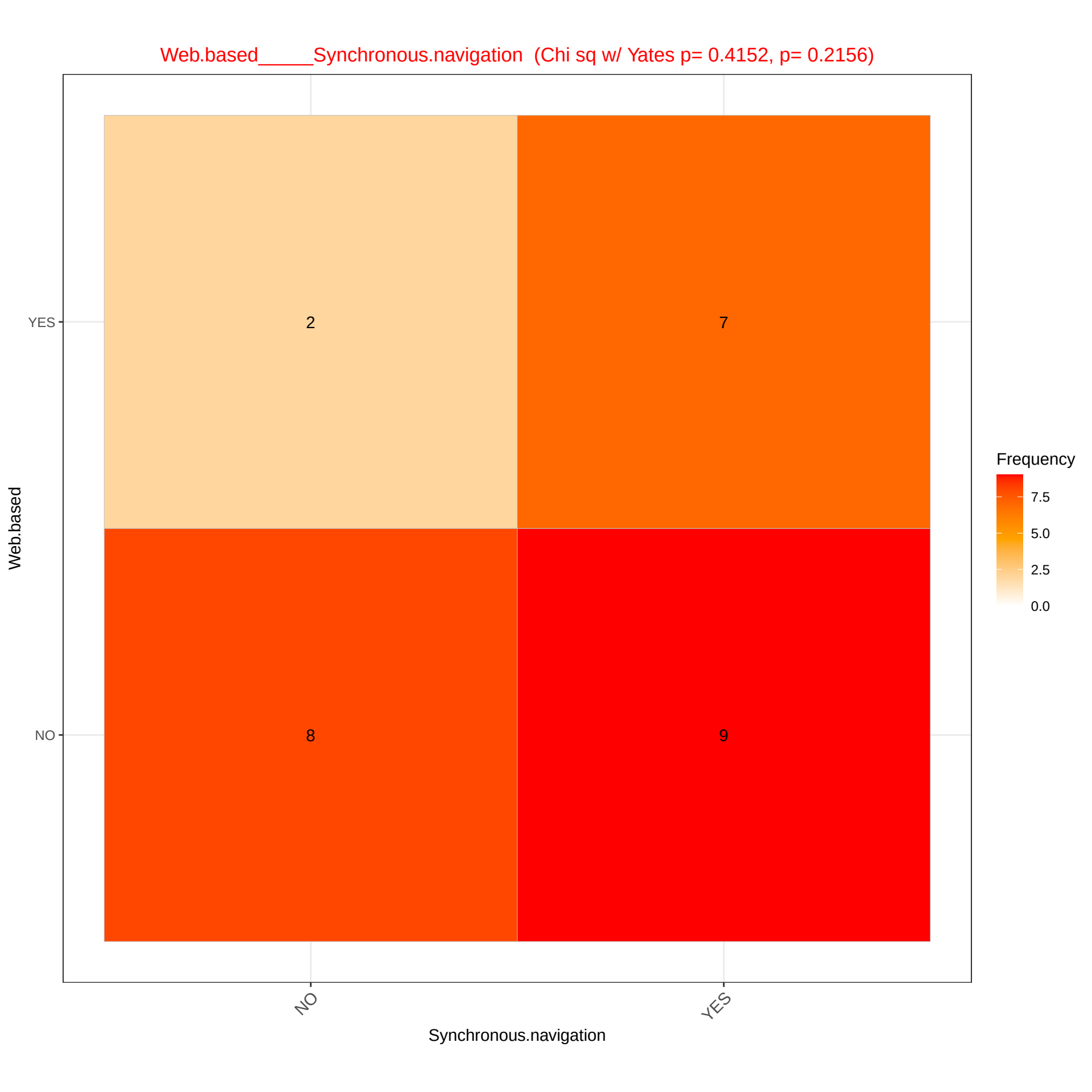

Web.based_____Notation.types (Chi sq w/ Yates p= 0.166, p= 0.166)
YES
NO
Web.based
9
2
7
0
17
11
12
7
GRAPHICAL
TABULAR
TEXTUAL
TREE_BASED
Notation.types
Frequency
16
12
8
4
0

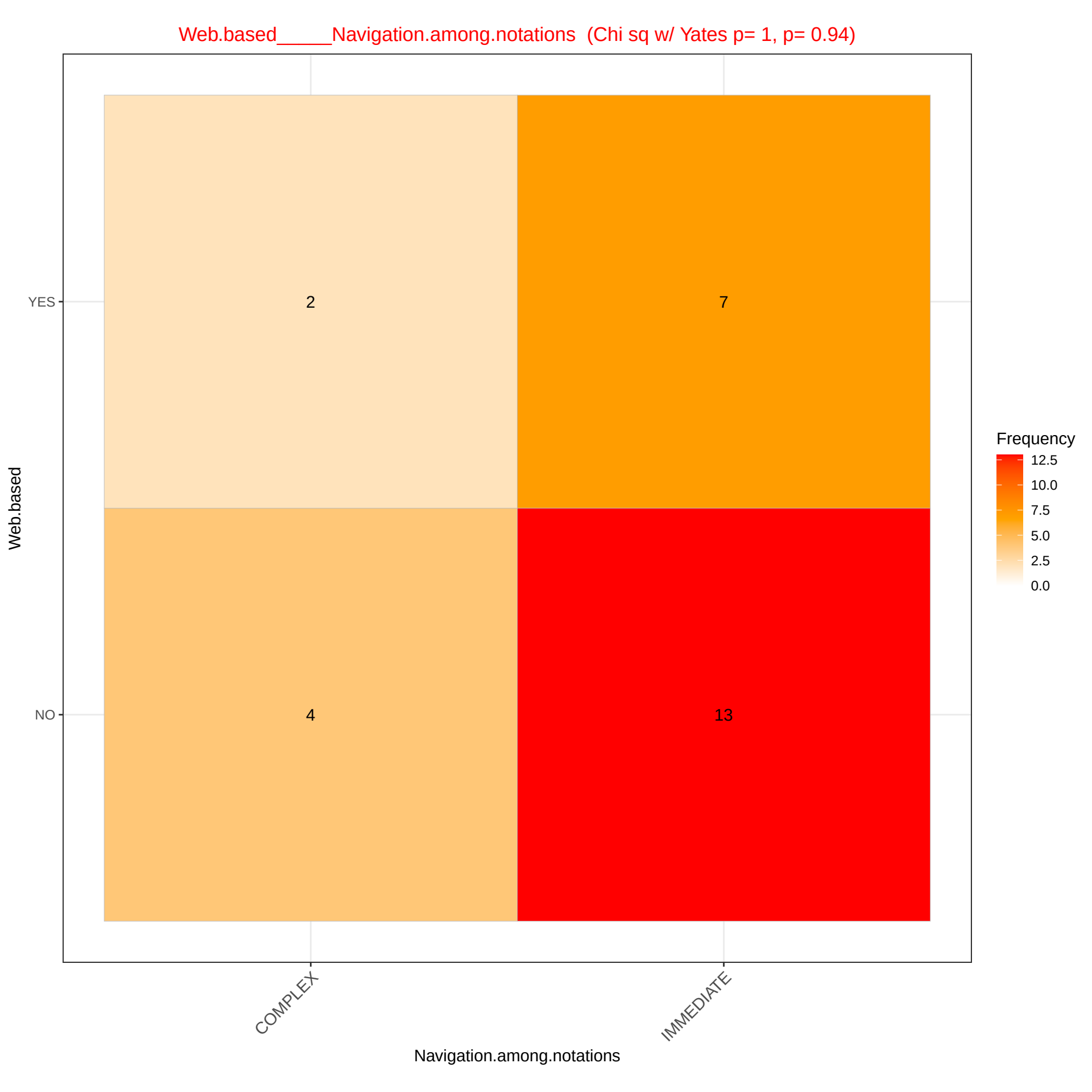

Web.based_____Notation.instances..number.of. (Chi sq w/ Yates p= 0.1248, p= 0.1248)
Web.based
YES
NO
7
0
0
1
0
0
1
0
0
3
5
2
3
2
1
1
1
1
2
3
4
5
6
8
9
15
16
Notation.instances..number.of.
Frequency
6
4
2
0

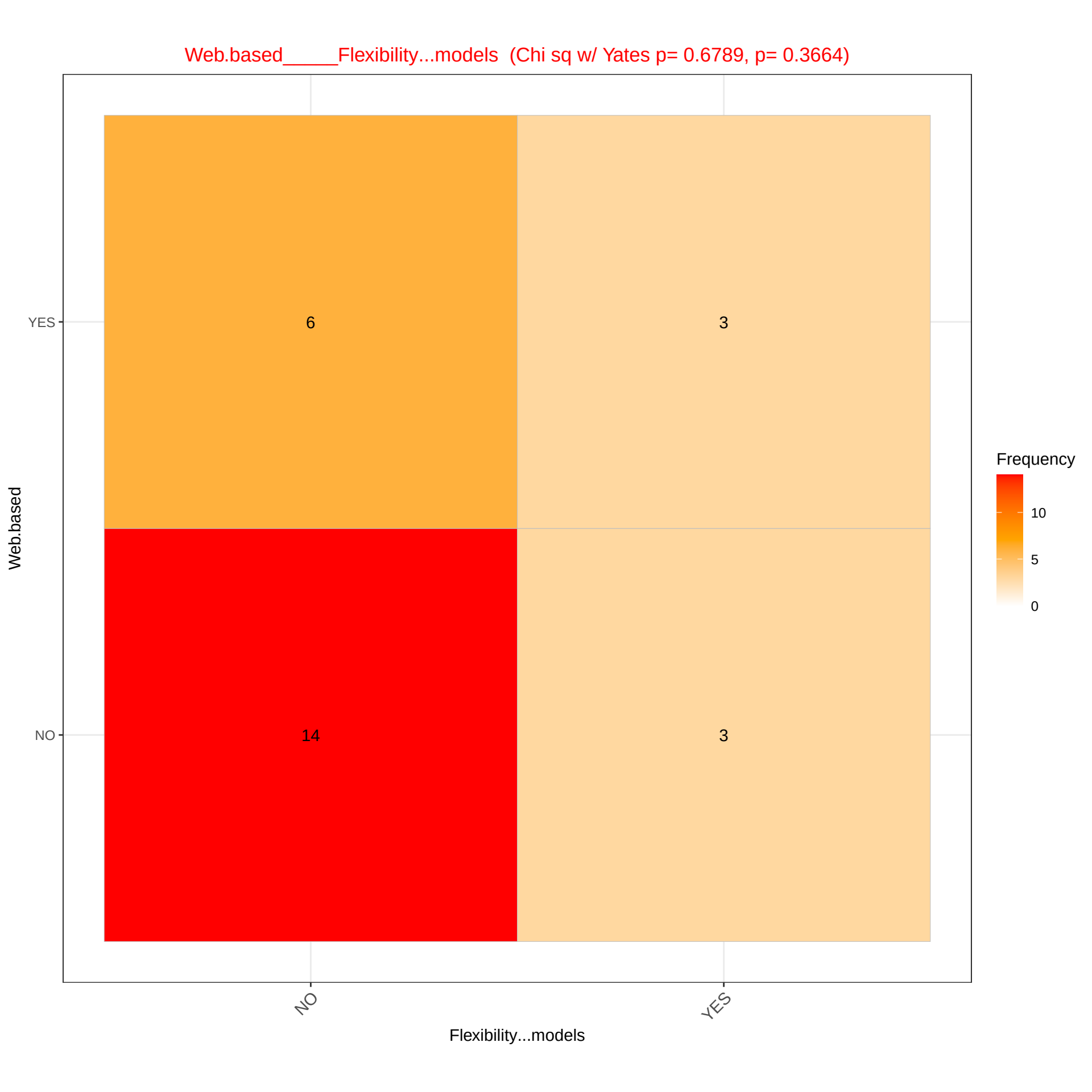

Web.based_____Embedded.languages (Chi sq w/ Yates p= 1, p= 0.4581)
YES
NO
9
0
16
1
Web.based
NO
YES
Embedded.languages
Frequency
16
12
8
4
0

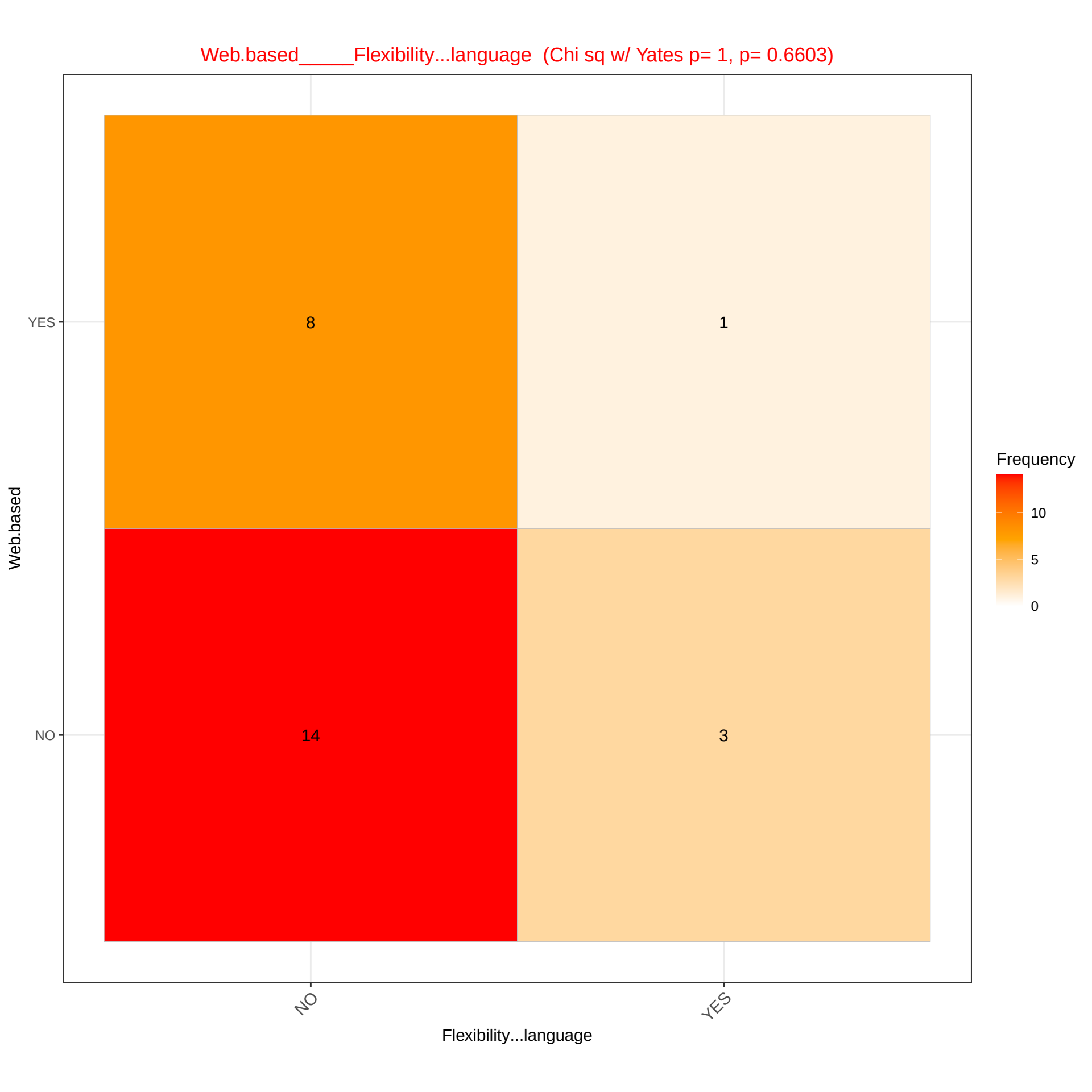

Web.based_____Overlap (Chi sq w/ Yates p= 0.0642, p= 0.0176)
YES
NO
4
5
1
16
Web.based
COMPLETE
PARTIAL
Overlap
Frequency
16
12
8
4
0

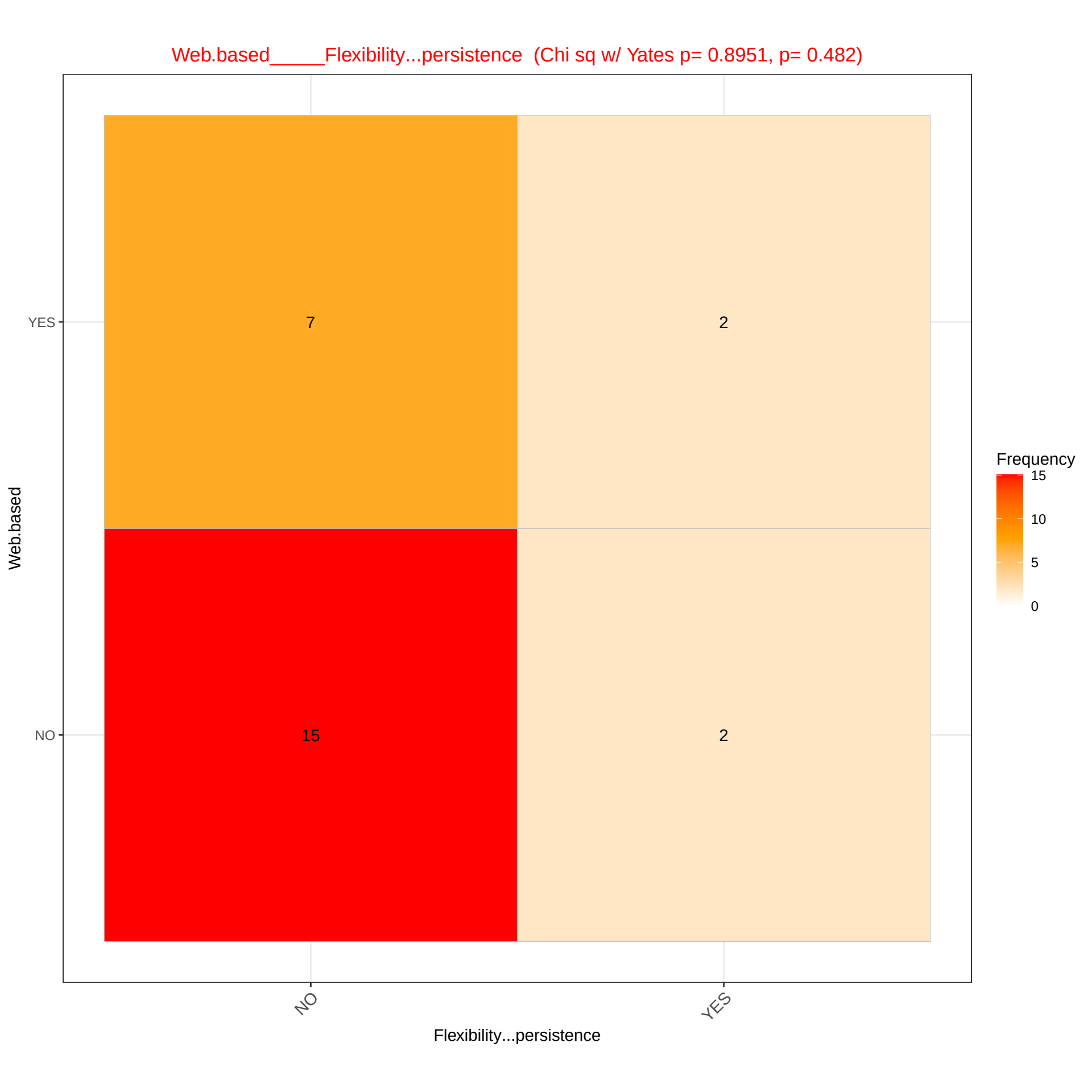

Web.based_____Visualize.multiple.notations (Chi sq w/ Yates p= 1, p= 0.4581)
YES
NO
0
9
1
16
Web.based
NO
YES
Visualize.multiple.notations
Frequency
16
12
8
4
0

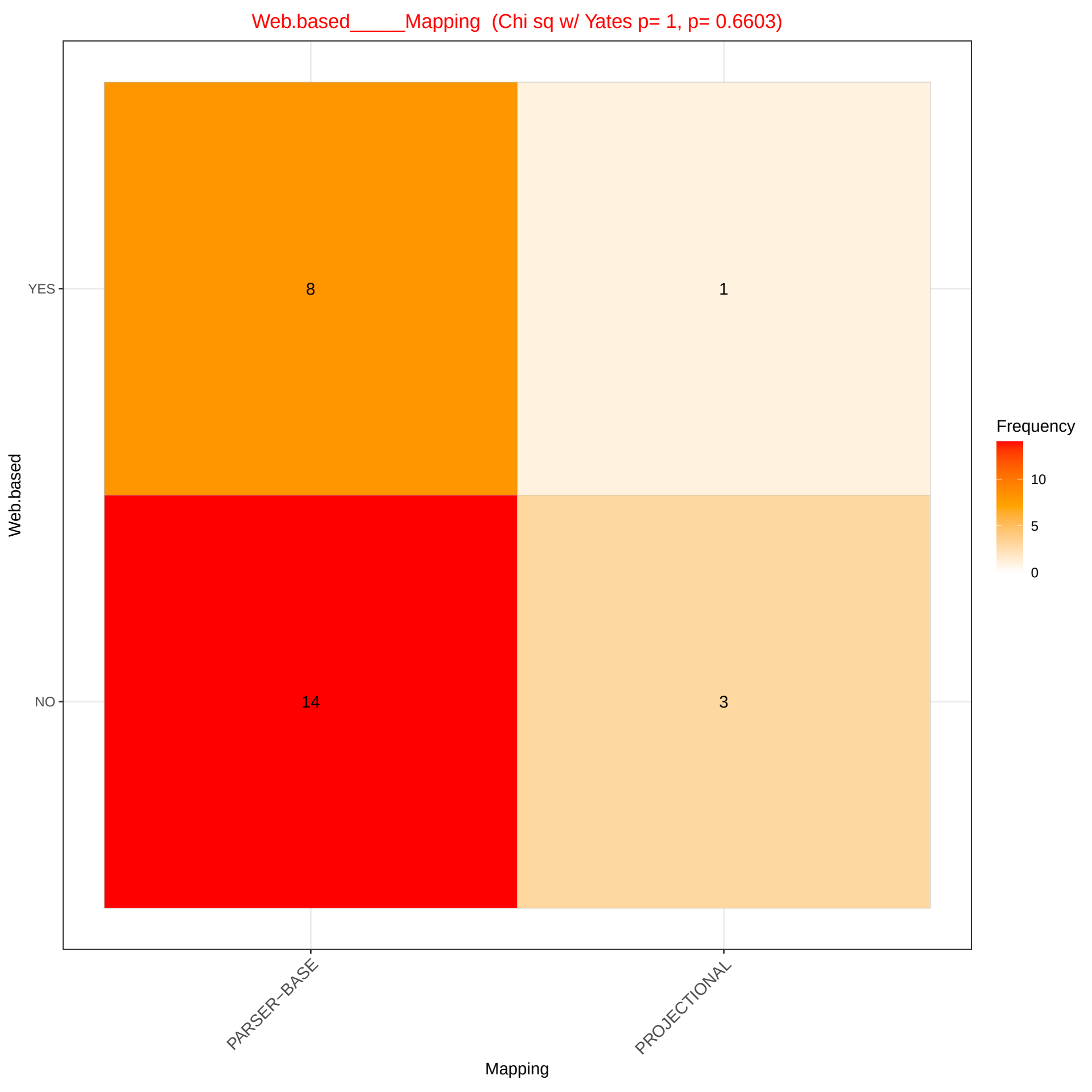

Web.based_____Synchronous.navigation (Chi sq w/ Yates p= 0.4152, p= 0.2156)
YES
NO
2
7
8
9
Web.based
NO
YES
Synchronous.navigation
Frequency
7.5
5.0
2.5
0.0

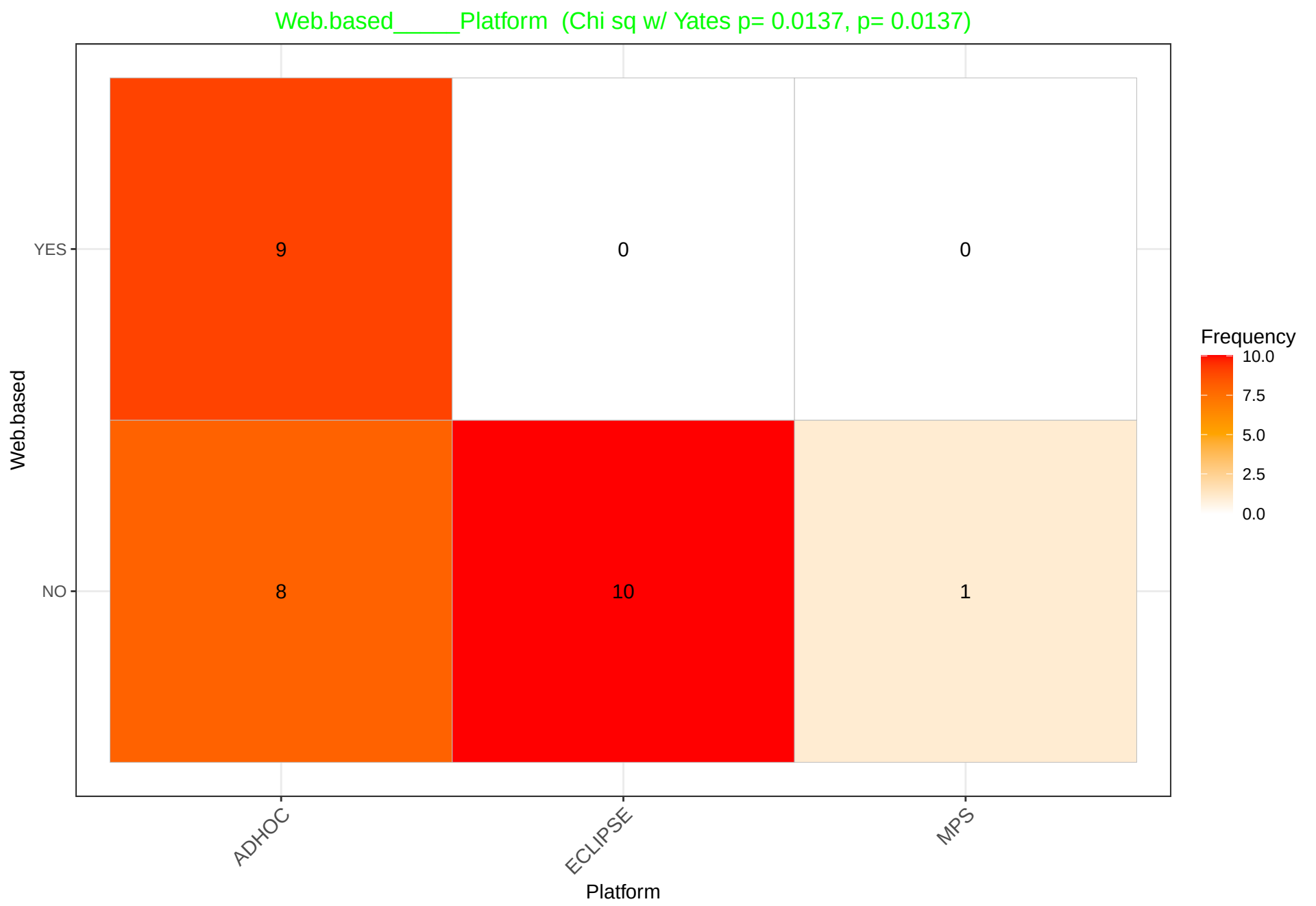

Web.based_____Navigation.among.notations (Chi sq w/ Yates p= 1, p= 0.94)
YES
NO
2
7
4
13
Web.based
COMPLEX
IMMEDIATE
Navigation.among.notations
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

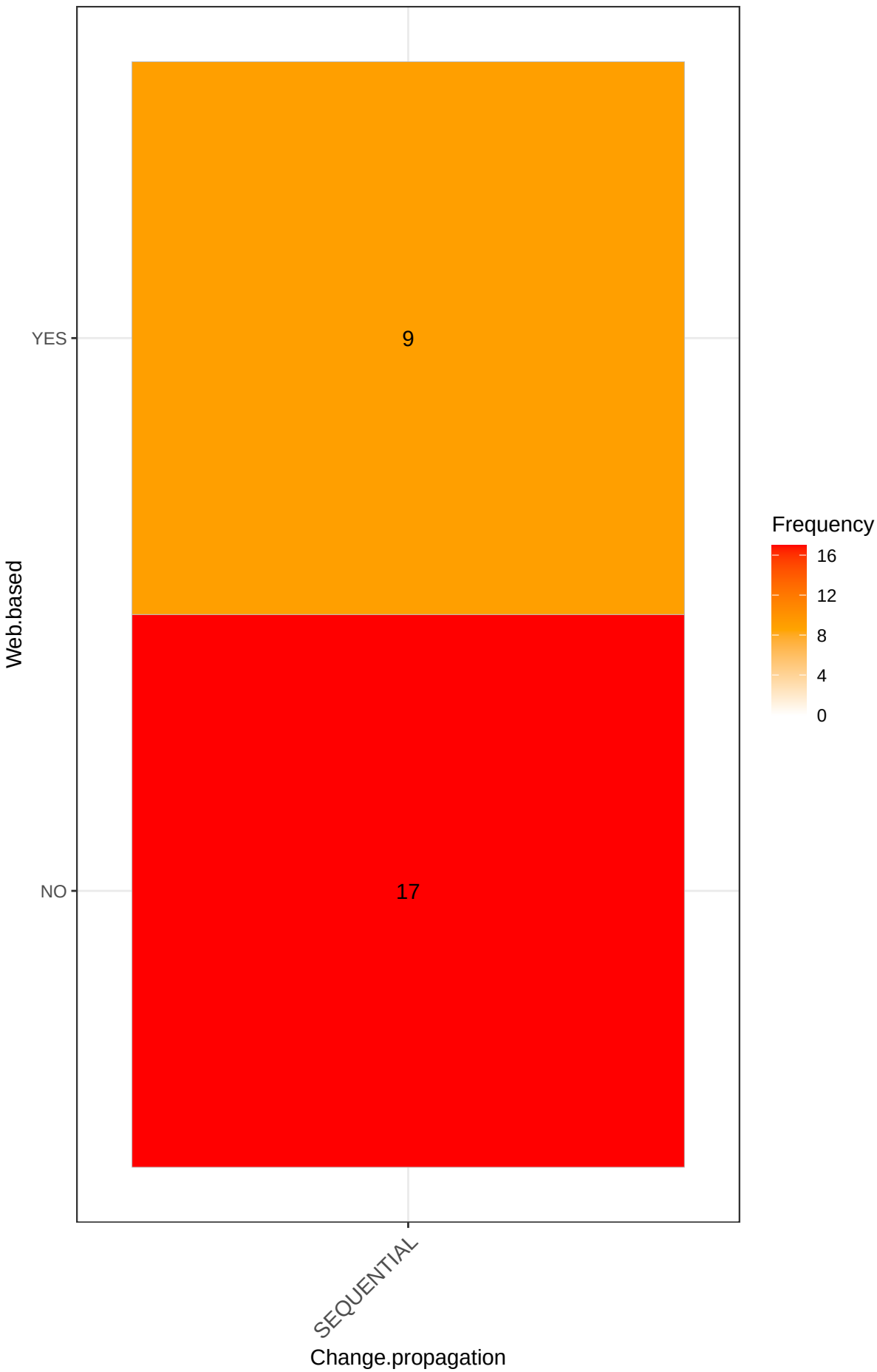

Web.based_____Flexibility...models (Chi sq w/ Yates p= 0.6789, p= 0.3664)
YES
NO
6
3
14
3
Web.based
NO
YES
Flexibility...models
Frequency
10
5
0

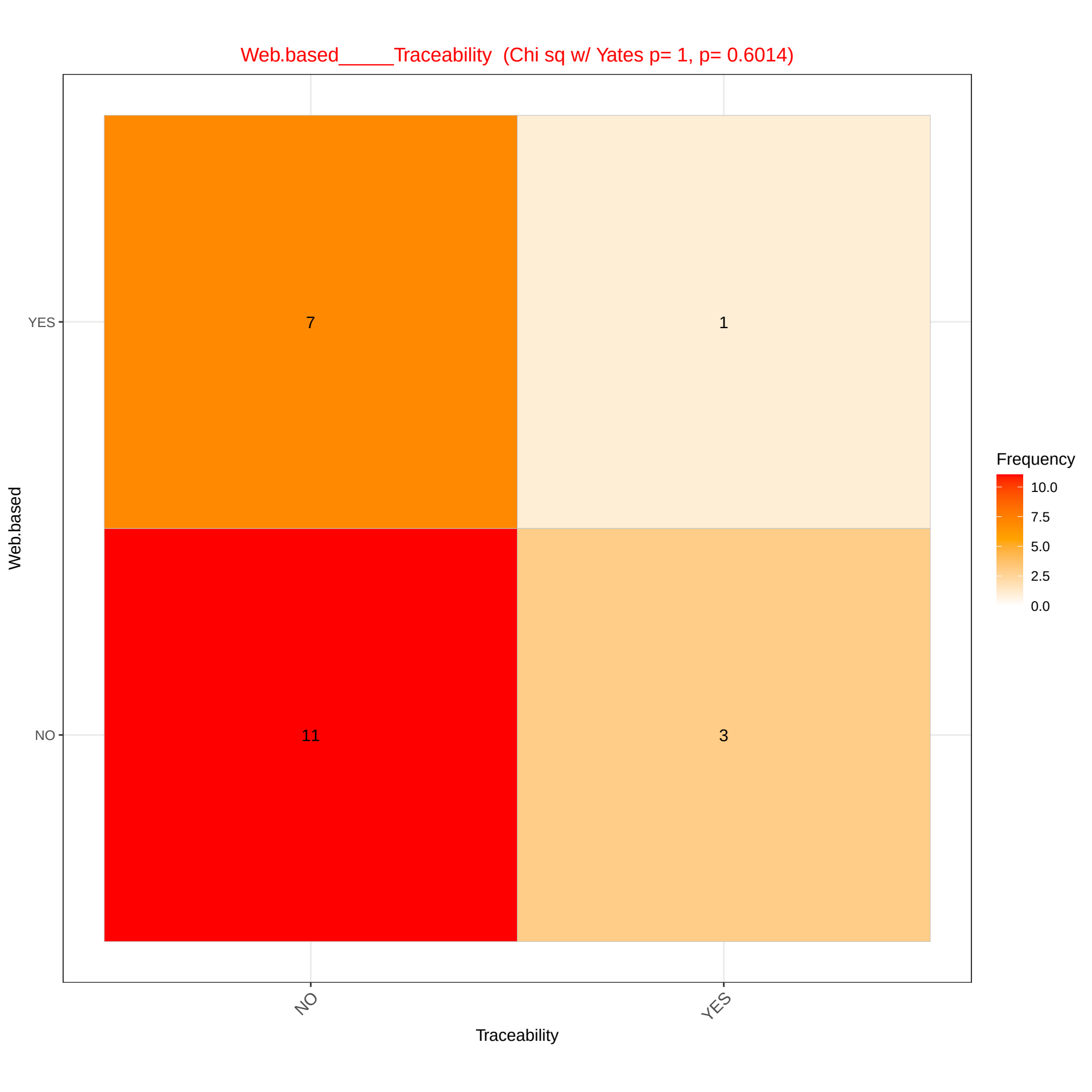

Web.based_____Flexibility...language (Chi sq w/ Yates p= 1, p= 0.6603)
YES
NO
8
1
14
3
Web.based
NO
YES
Flexibility...language
Frequency
10
5
0

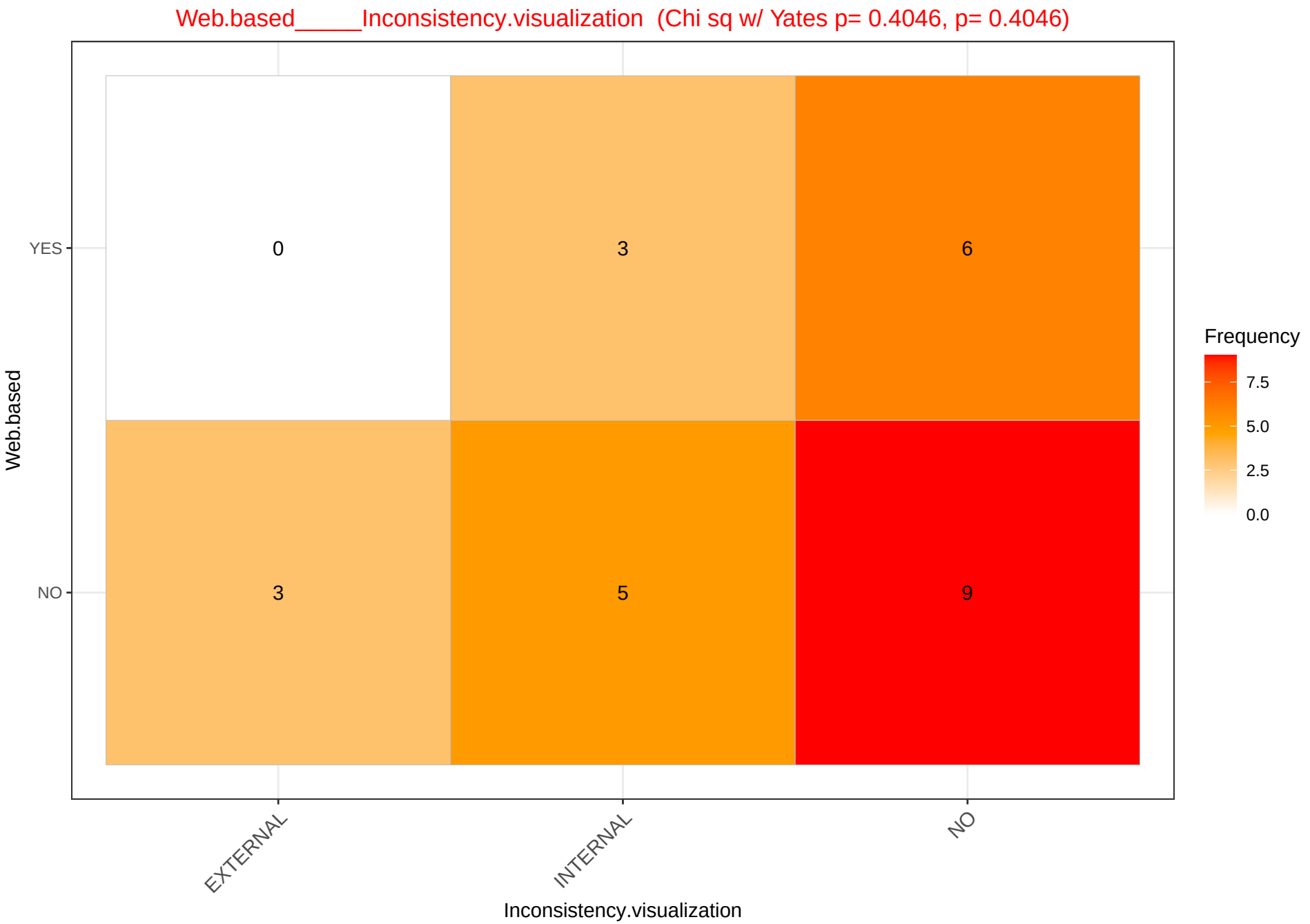

Web.based_____Flexibility...persistence (Chi sq w/ Yates p= 0.8951, p= 0.482)
YES
NO
7
2
15
2
Web.based
NO
YES
Flexibility...persistence
Frequency
15
10
5
0

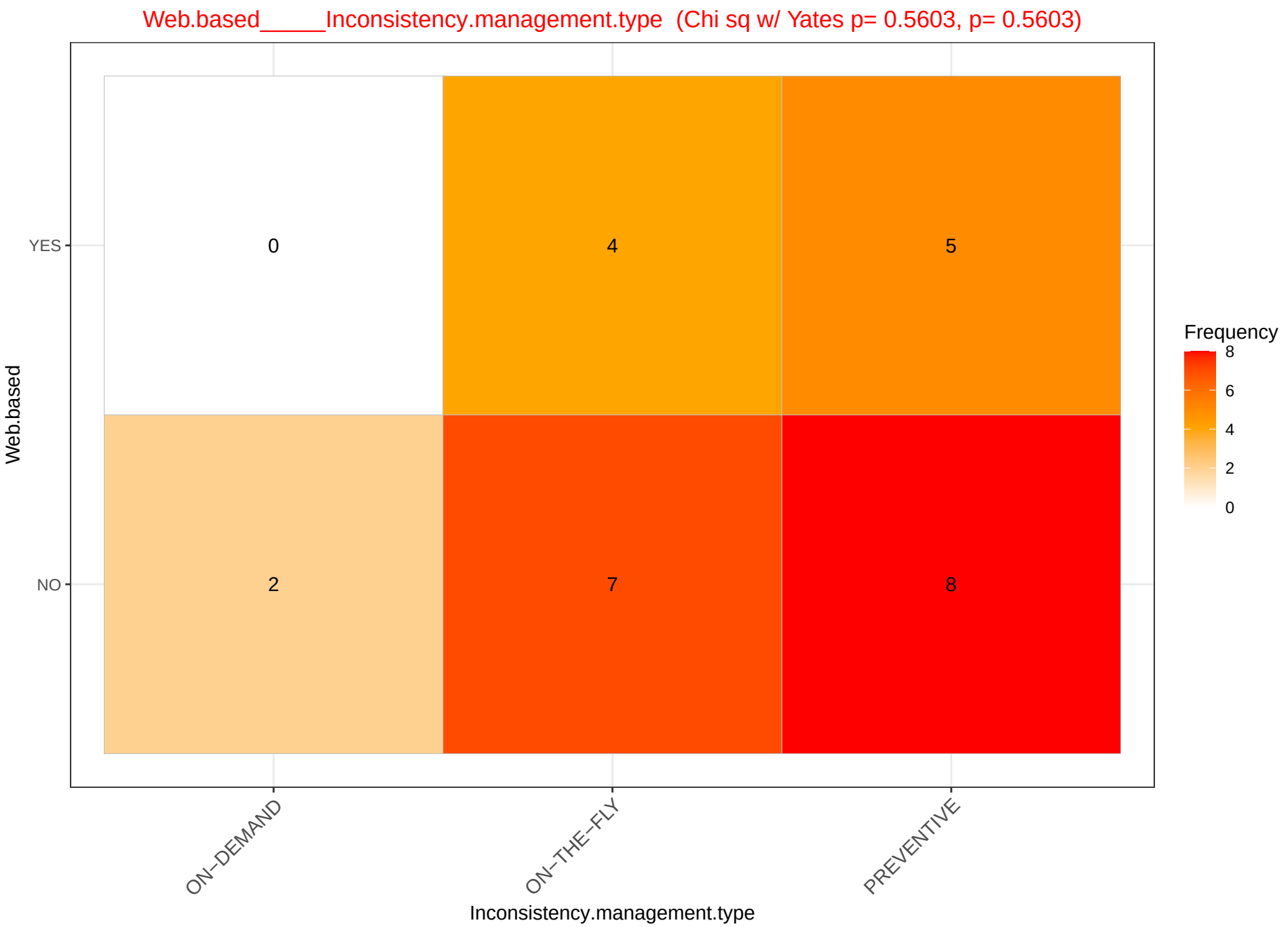

Web.based_____Mapping (Chi sq w/ Yates p= 1, p= 0.6603)
YES
NO
8
1
14
3
Web.based
PARSER−BASE
PROJECTIONAL
Mapping
Frequency
10
5
0

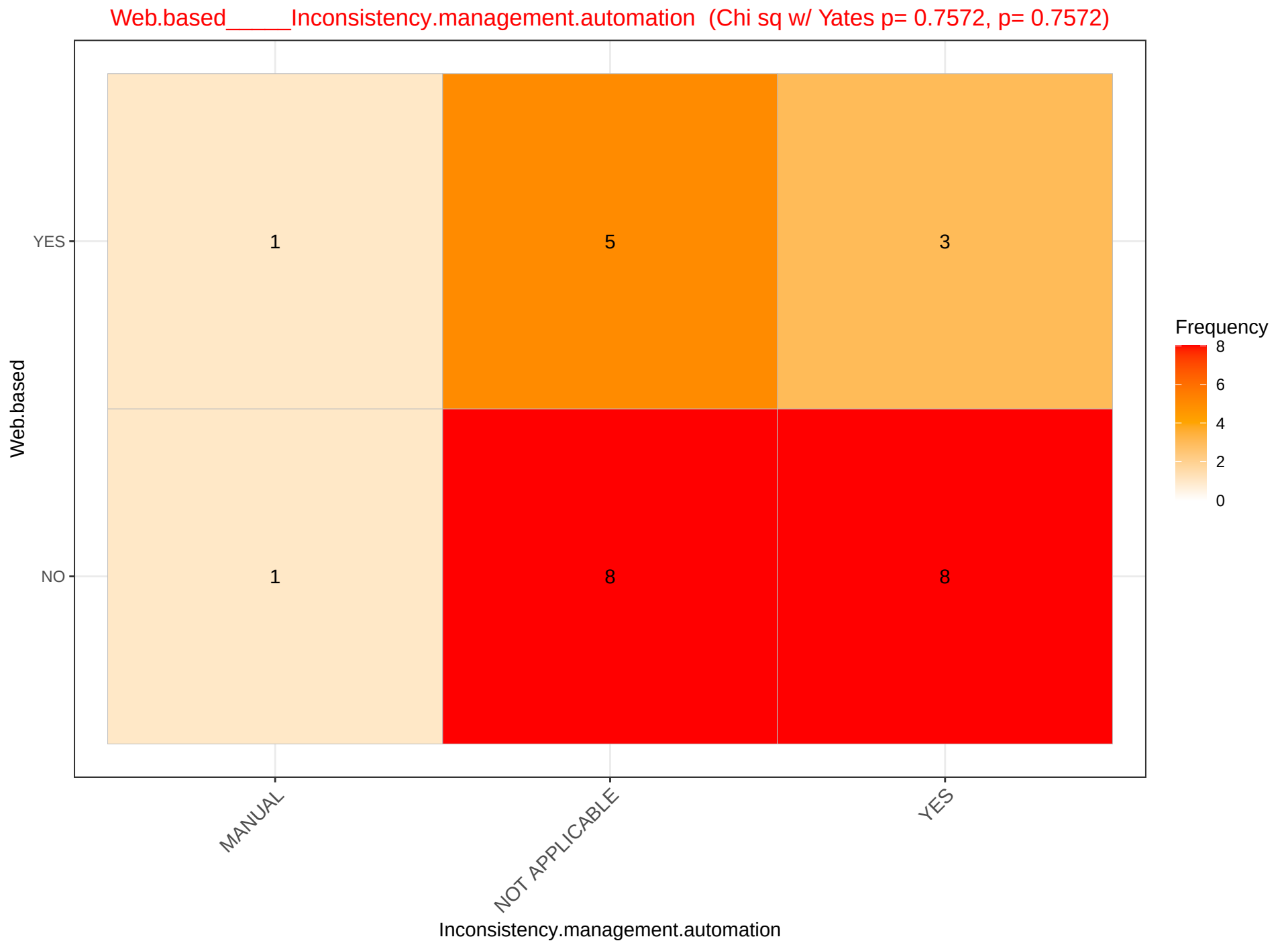

Web.based_____Platform (Chi sq w/ Yates p= 0.0137, p= 0.0137)
YES
NO
Web.based
9
0
0
8
10
1
ADHOC
ECLIPSE
MPS
Platform
Frequency
10.0
7.5
5.0
2.5
0.0

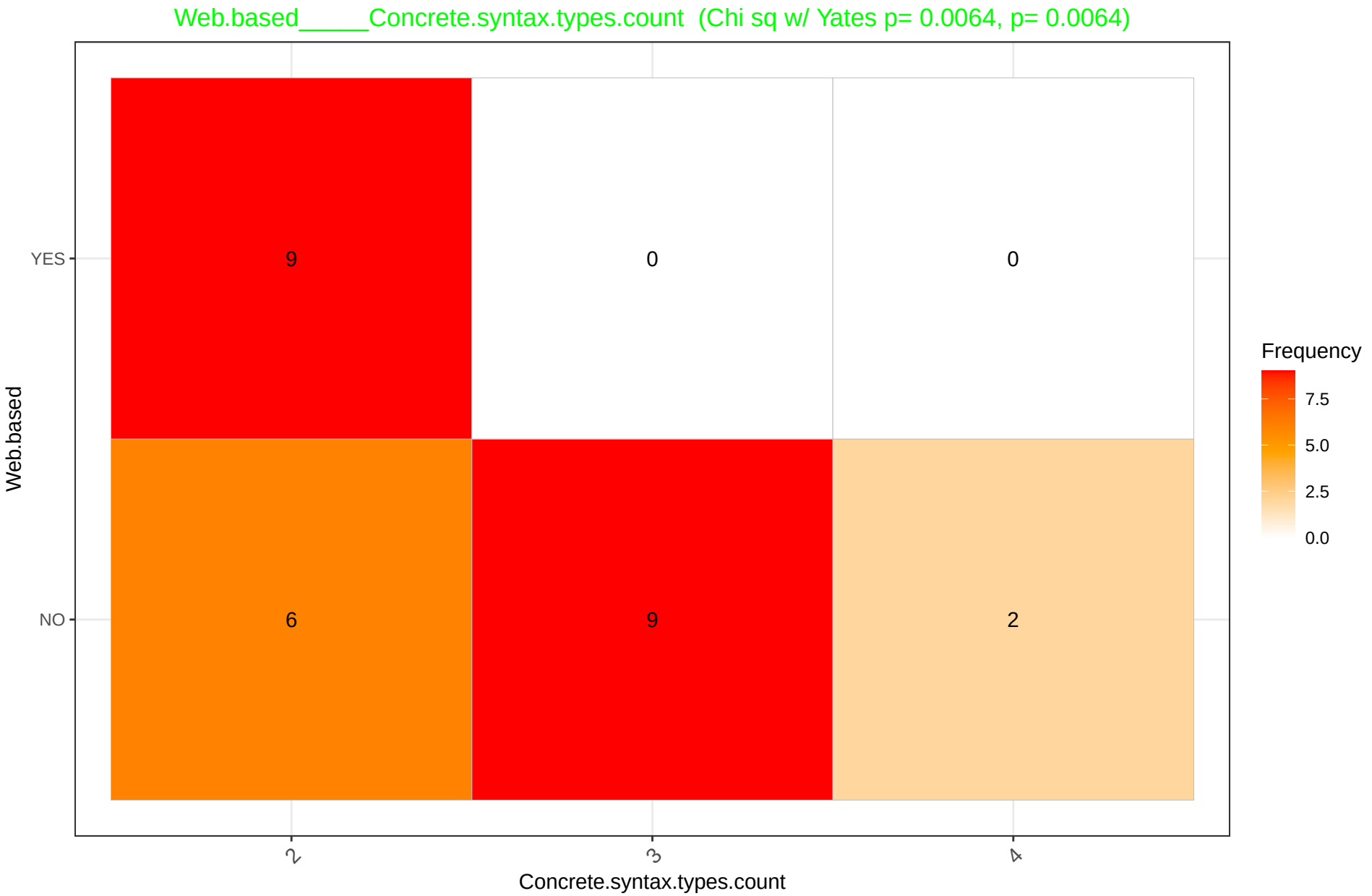

Web.based_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)
YES
NO
9
17
Web.based
SEQUENTIAL
Change.propagation
Frequency
16
12
8
4
0

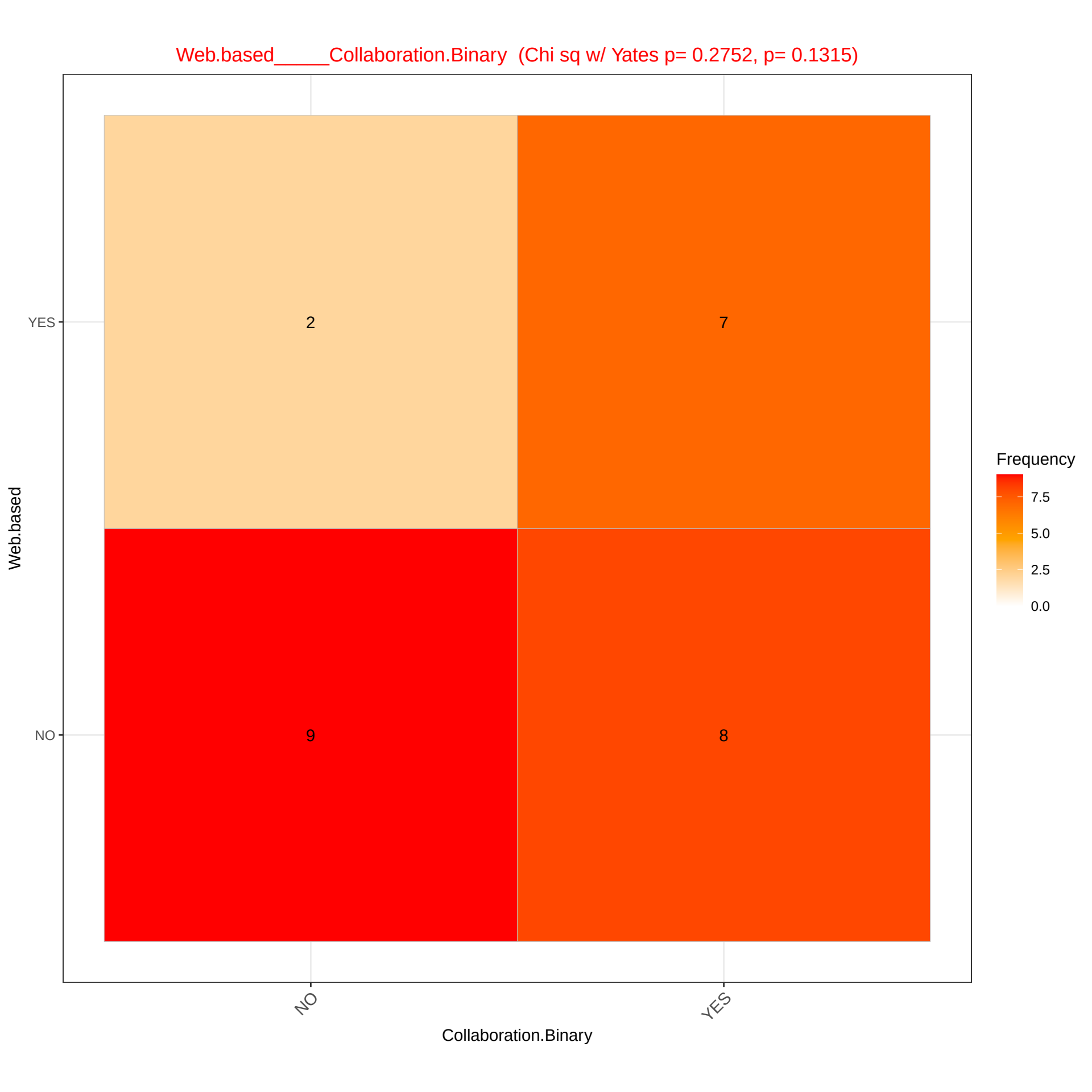

Web.based_____Traceability (Chi sq w/ Yates p= 1, p= 0.6014)
YES
NO
7
1
11
3
Web.based
NO
YES
Traceability
Frequency
10.0
7.5
5.0
2.5
0.0

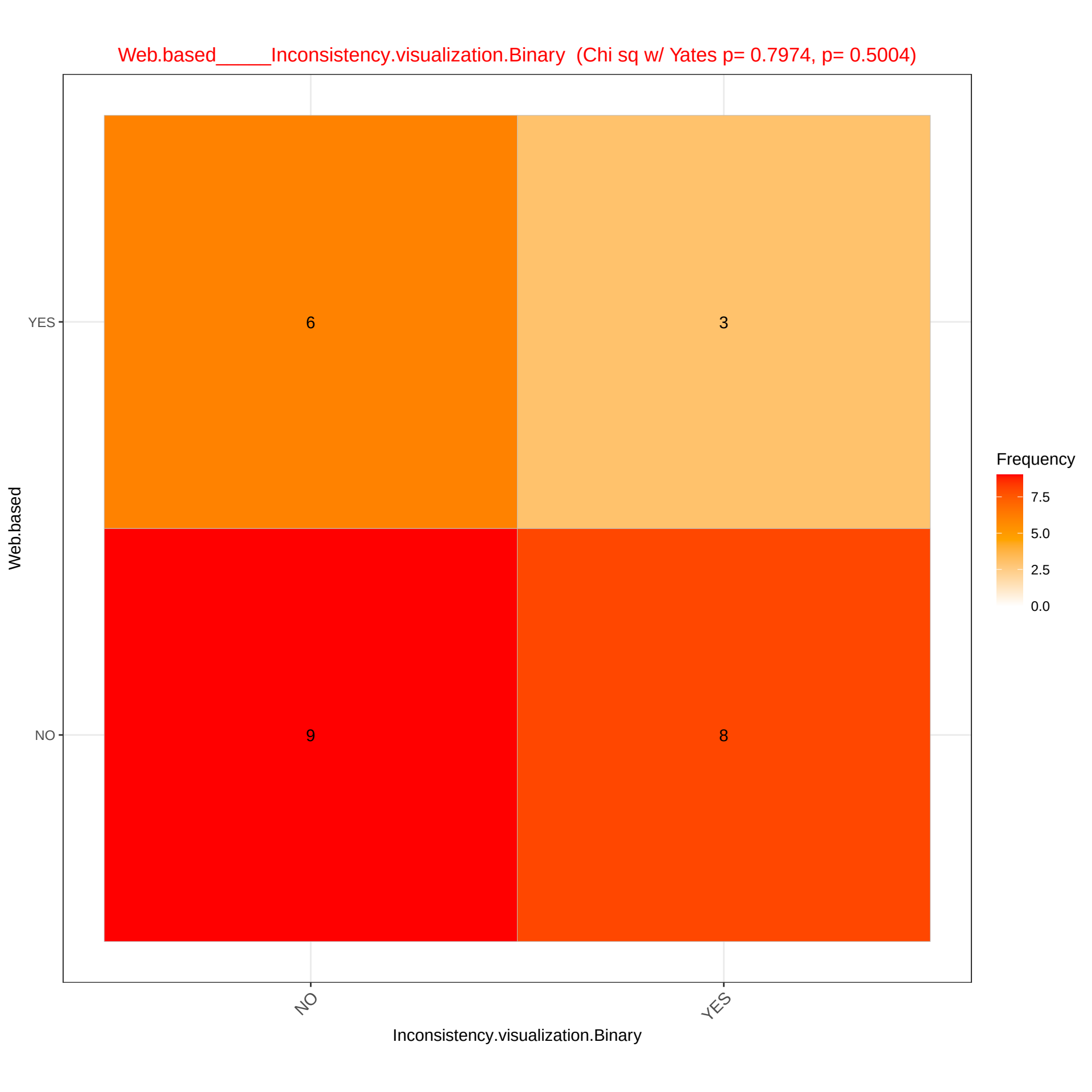

Web.based_____Inconsistency.visualization (Chi sq w/ Yates p= 0.4046, p= 0.4046)
YES
NO
Web.based
0
3
6
3
5
9
EXTERNAL
INTERNAL
NO
Inconsistency.visualization
Frequency
7.5
5.0
2.5
0.0

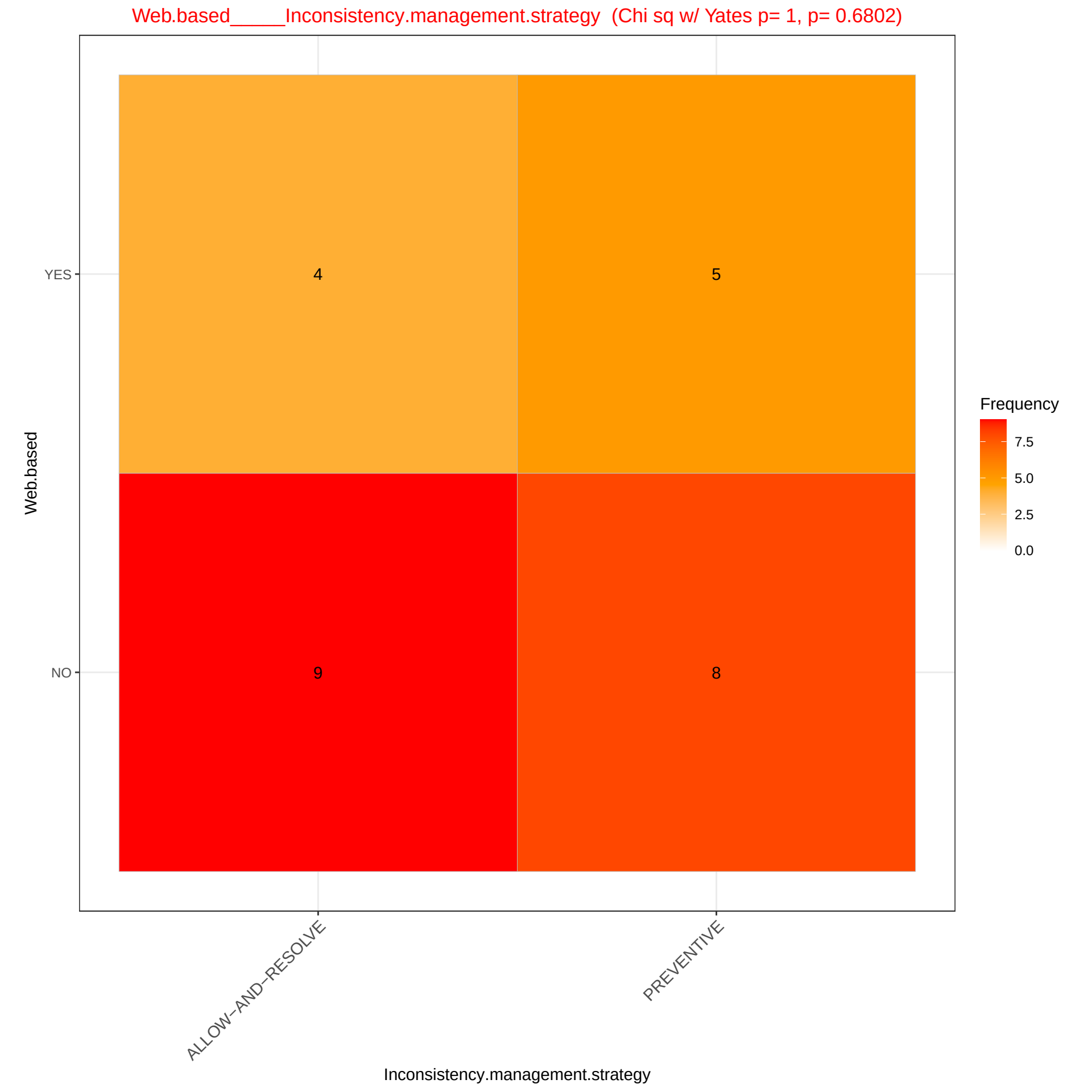

Web.based_____Inconsistency.management.type (Chi sq w/ Yates p= 0.5603, p= 0.5603)
YES
NO
0
4
5
2
7
8
Web.based
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type
Frequency
8
6
4
2
0

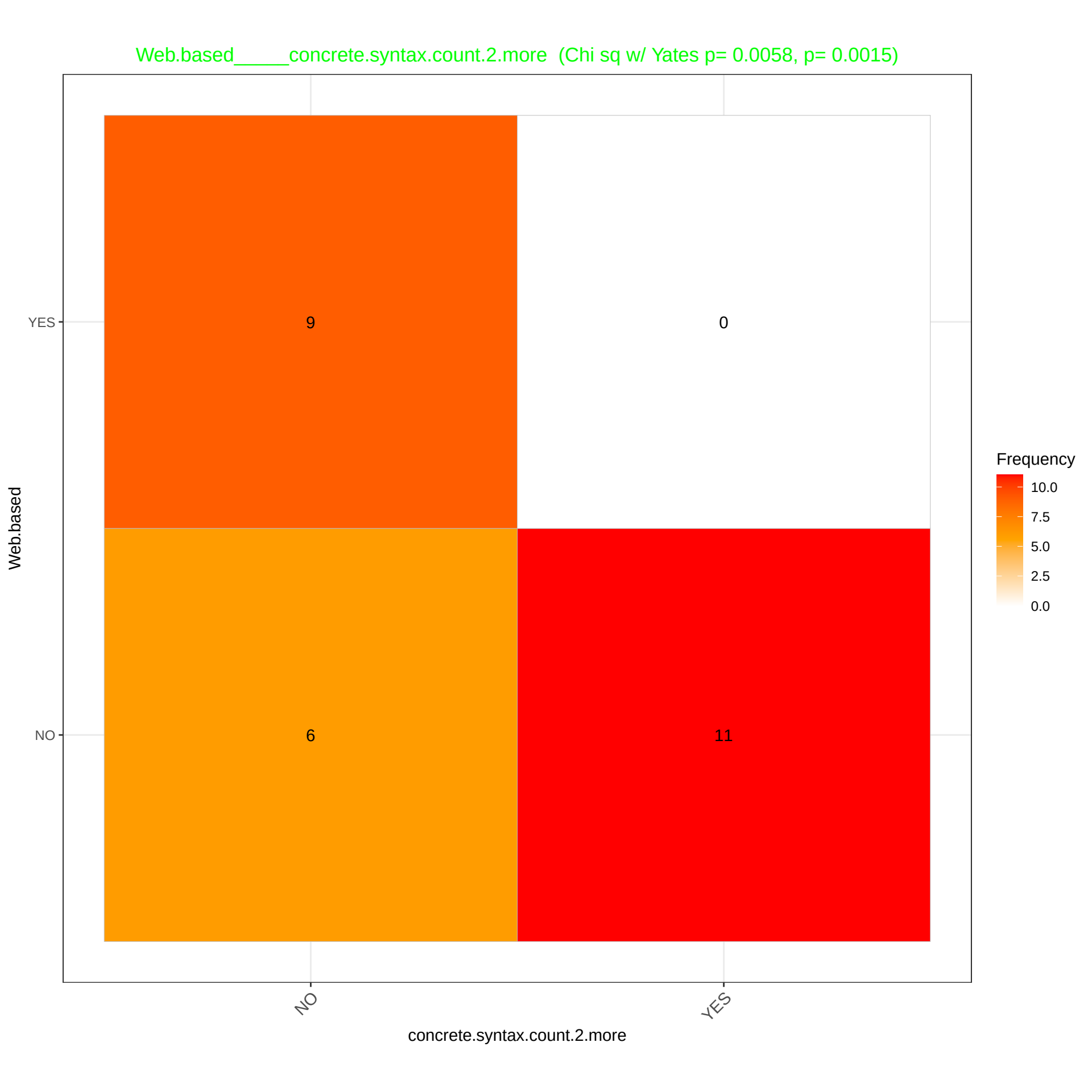

Web.based_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.7572, p= 0.7572)
YES
NO
Web.based
1
5
3
1
8
8
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
8
6
4
2
0

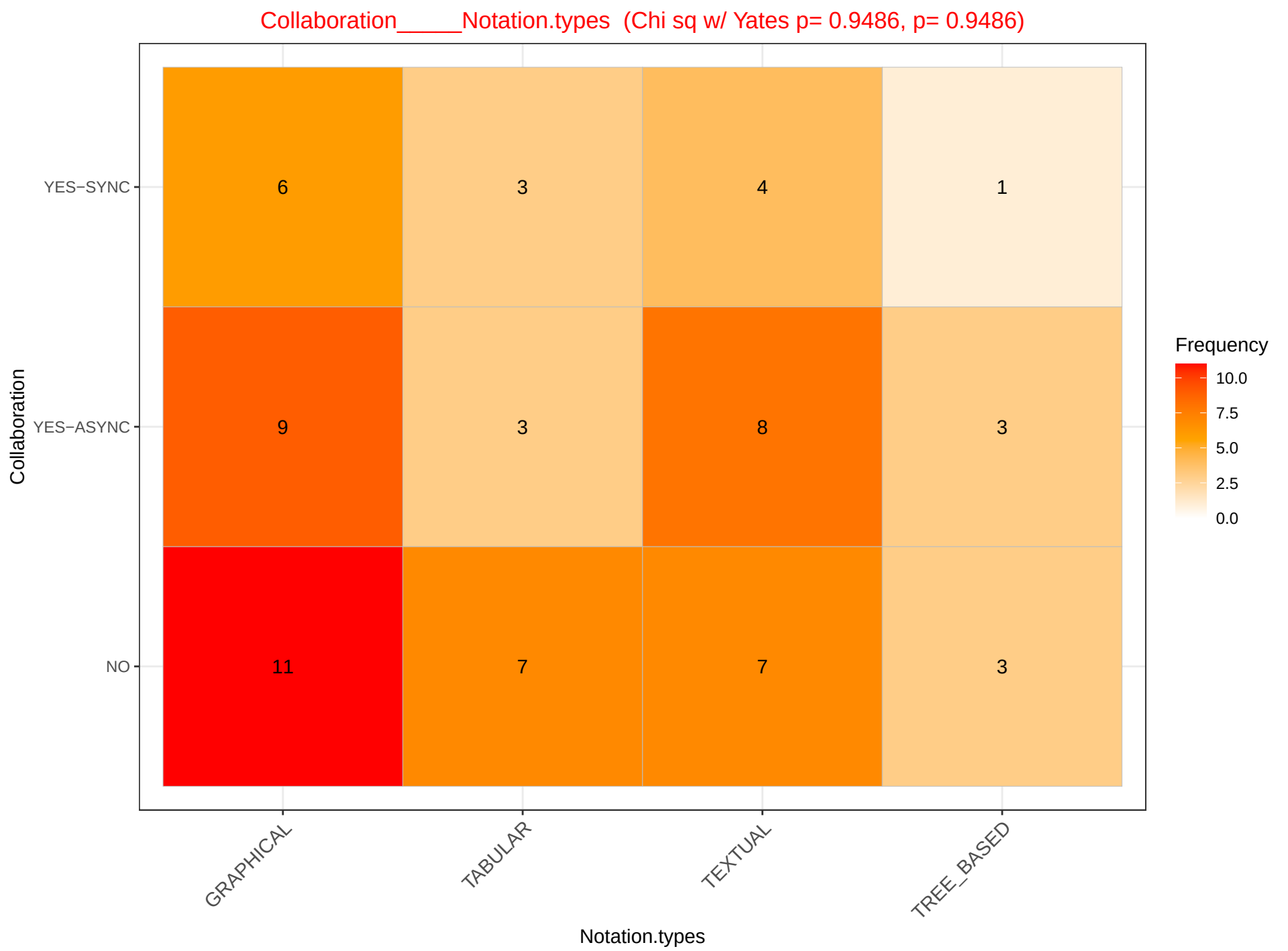

Web.based_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.0064, p= 0.0064)
YES
NO
Web.based
9
0
0
6
9
2
2
3
4
Concrete.syntax.types.count
Frequency
7.5
5.0
2.5
0.0

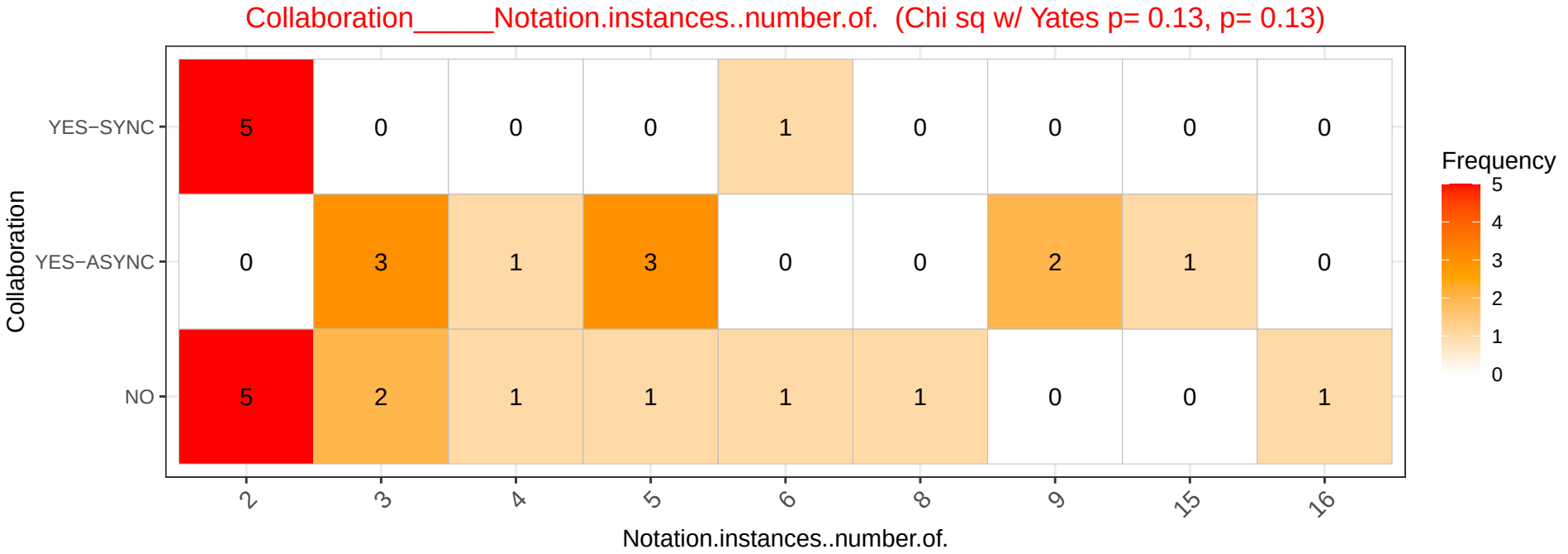

Web.based_____Collaboration.Binary (Chi sq w/ Yates p= 0.2752, p= 0.1315)
YES
NO
2
7
9
8
Web.based
NO
YES
Collaboration.Binary
Frequency
7.5
5.0
2.5
0.0

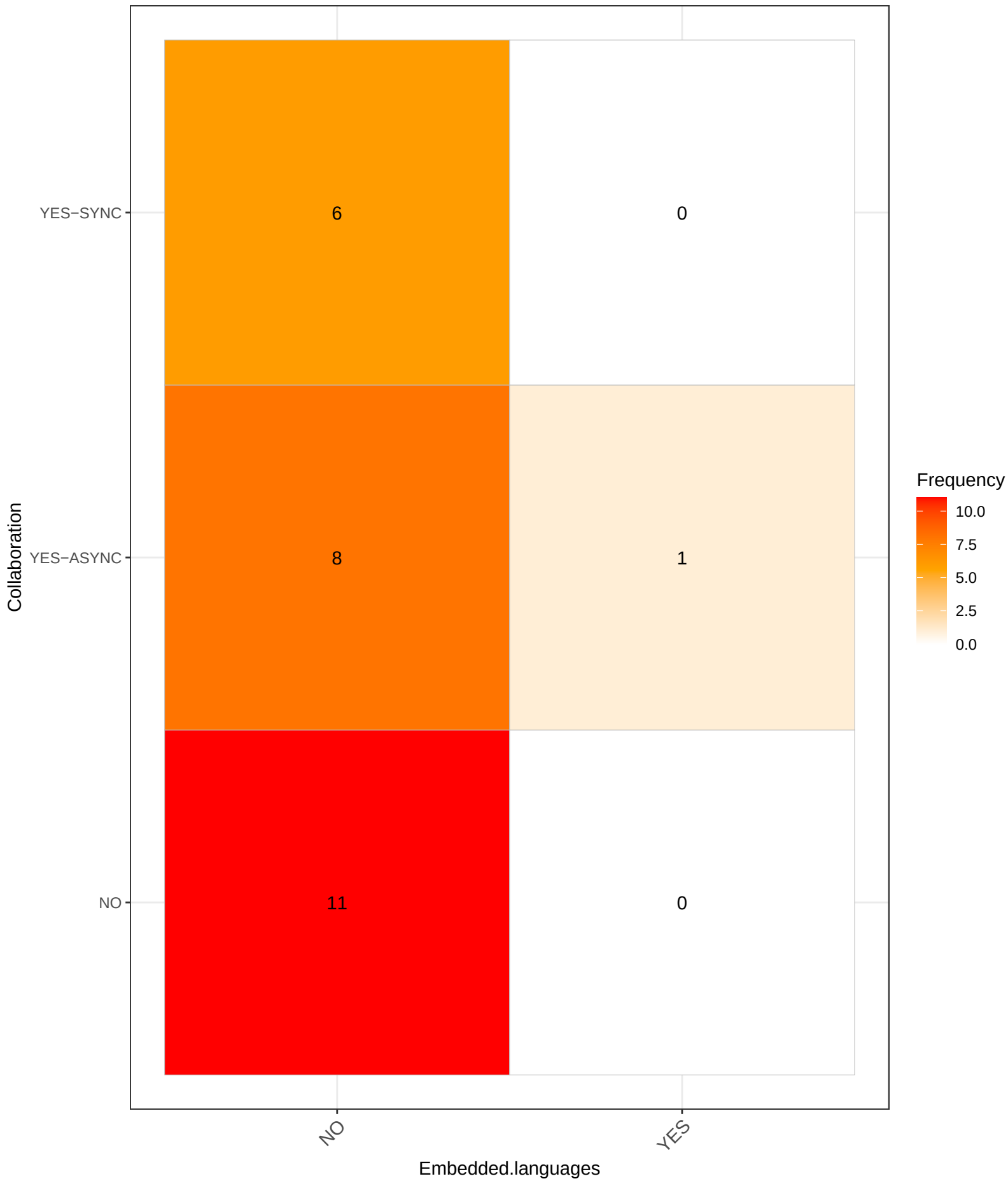

Web.based_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.7974, p= 0.5004)
YES
NO
6
3
9
8
Web.based
NO
YES
Inconsistency.visualization.Binary
Frequency
7.5
5.0
2.5
0.0

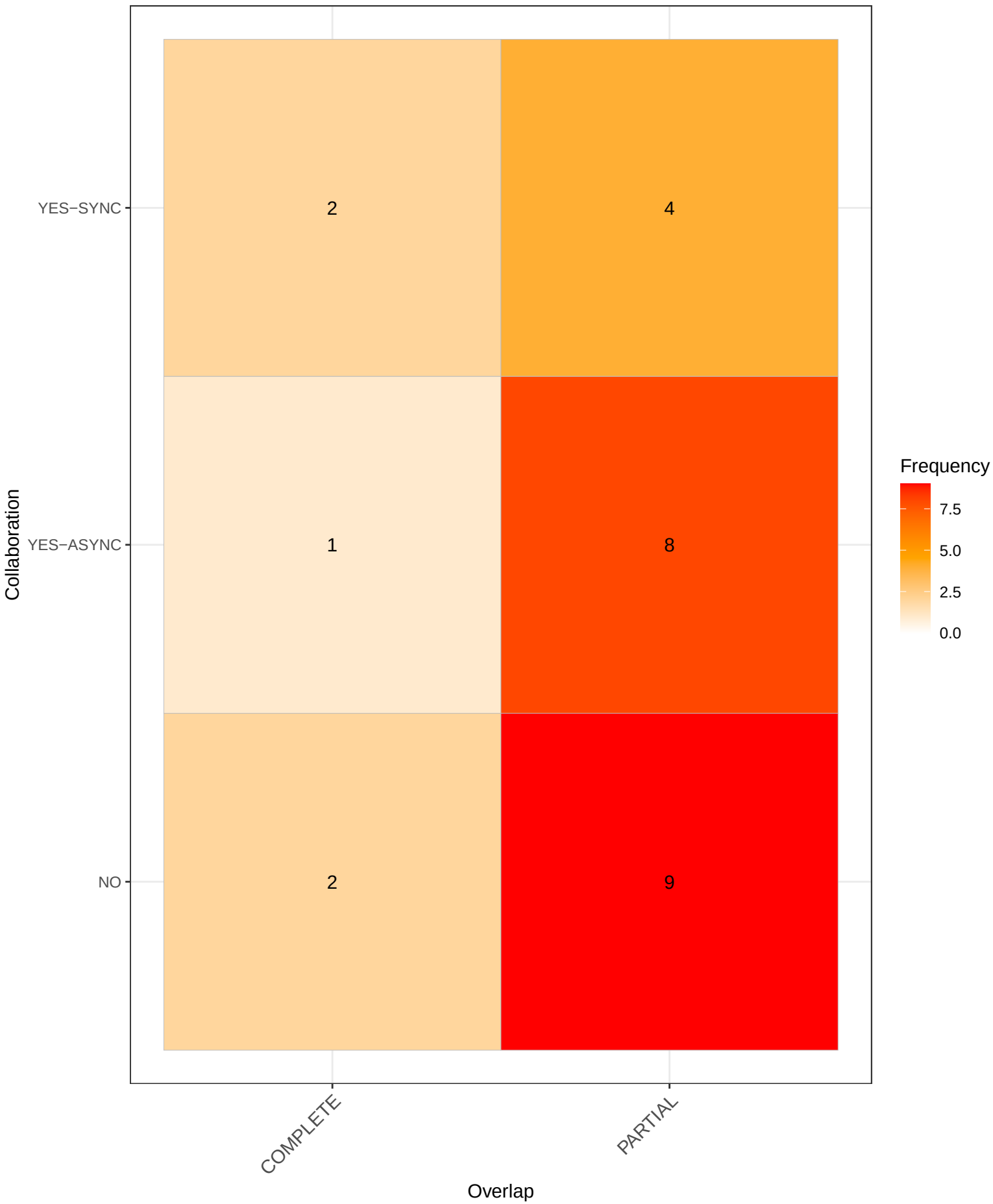

Web.based_____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 0.6802)
YES
NO
4
5
9
8
Web.based
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy
Frequency
7.5
5.0
2.5
0.0

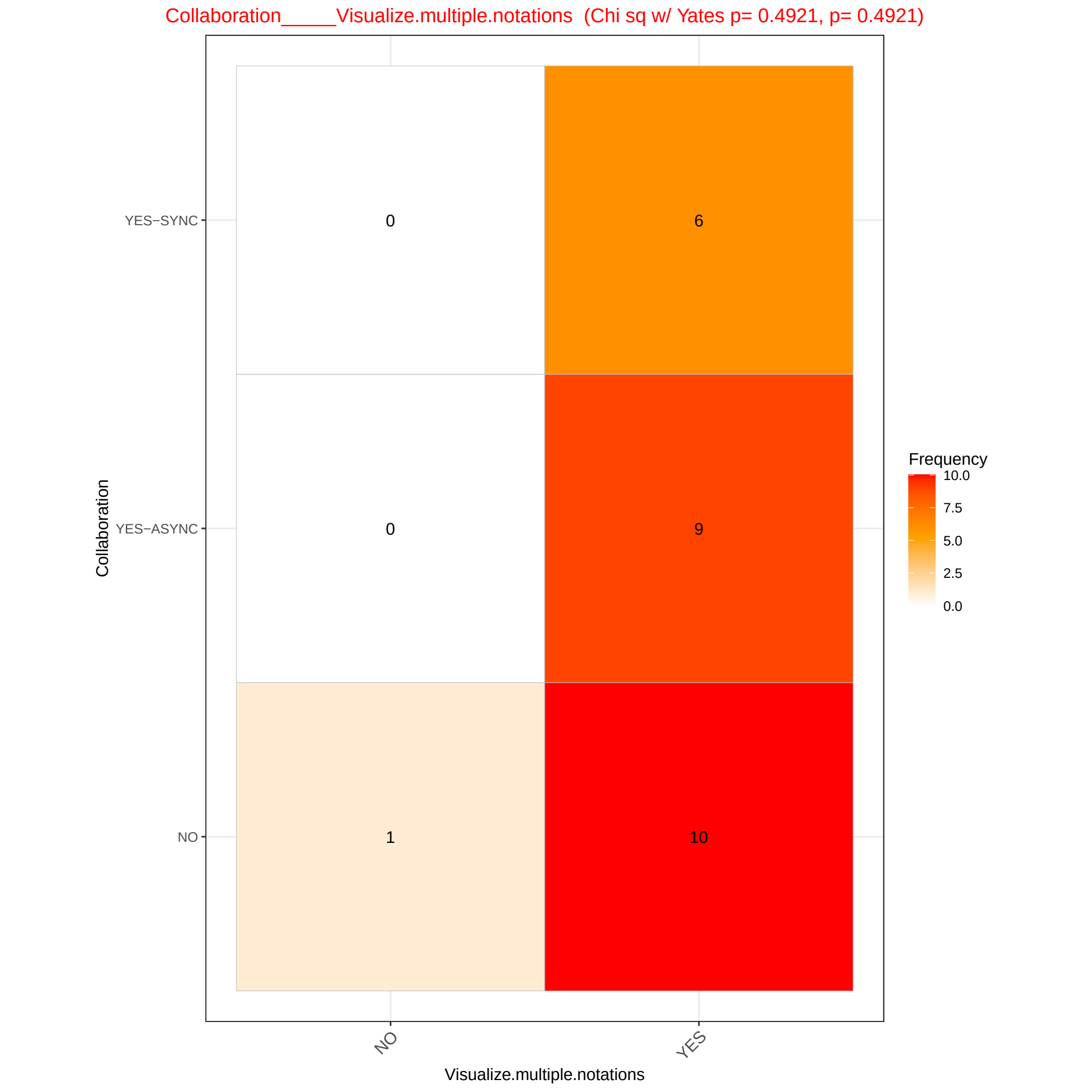

Web.based_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.0058, p= 0.0015)
YES
NO
9
0
6
11
Web.based
NO
YES
concrete.syntax.count.2.more
Frequency
10.0
7.5
5.0
2.5
0.0

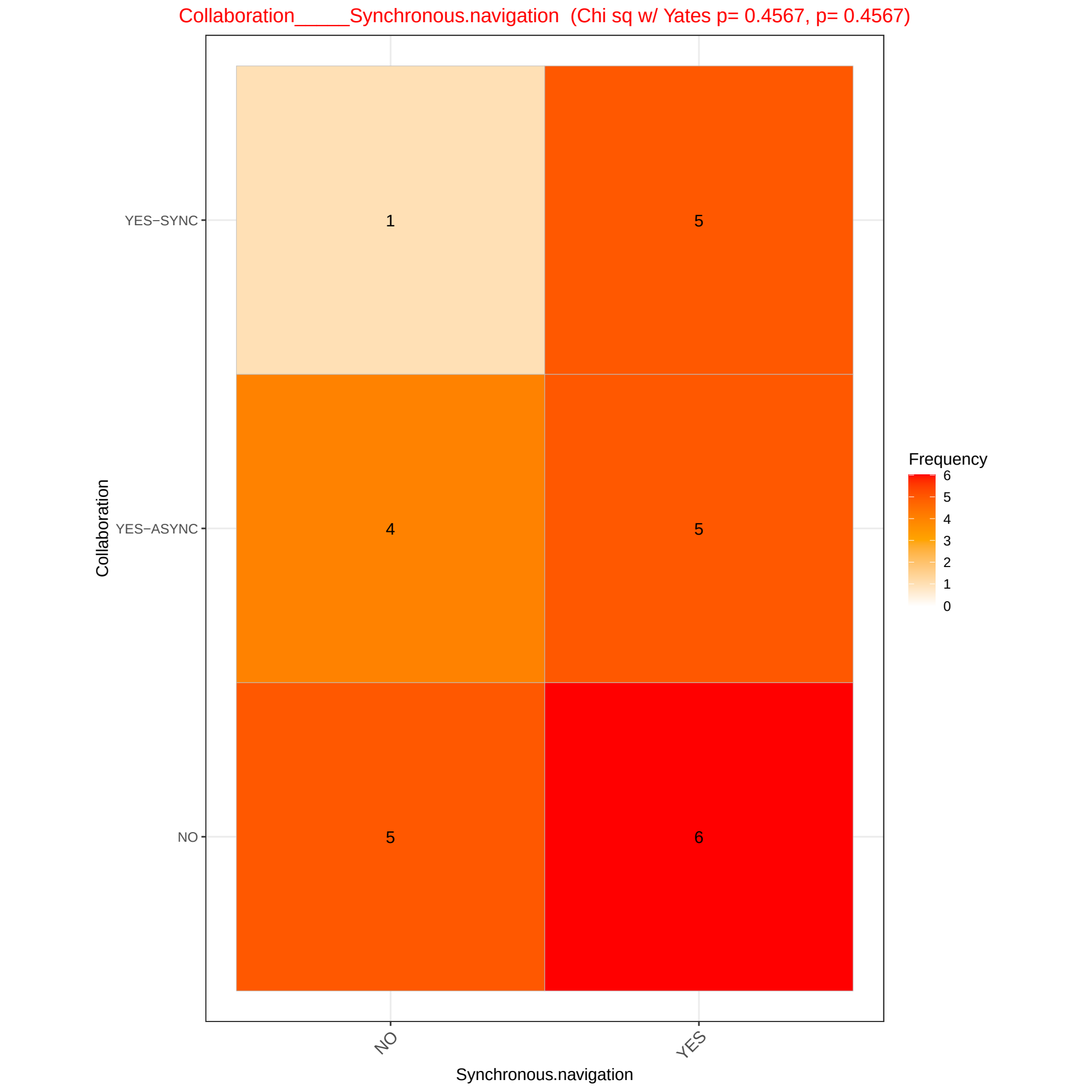

Collaboration_____Notation.types (Chi sq w/ Yates p= 0.9486, p= 0.9486)
YES−SYNC
YES−ASYNC
NO
Collaboration
6
3
4
1
9
3
8
3
11
7
7
3
GRAPHICAL
TABULAR
TEXTUAL
TREE_BASED
Notation.types
Frequency
10.0
7.5
5.0
2.5
0.0

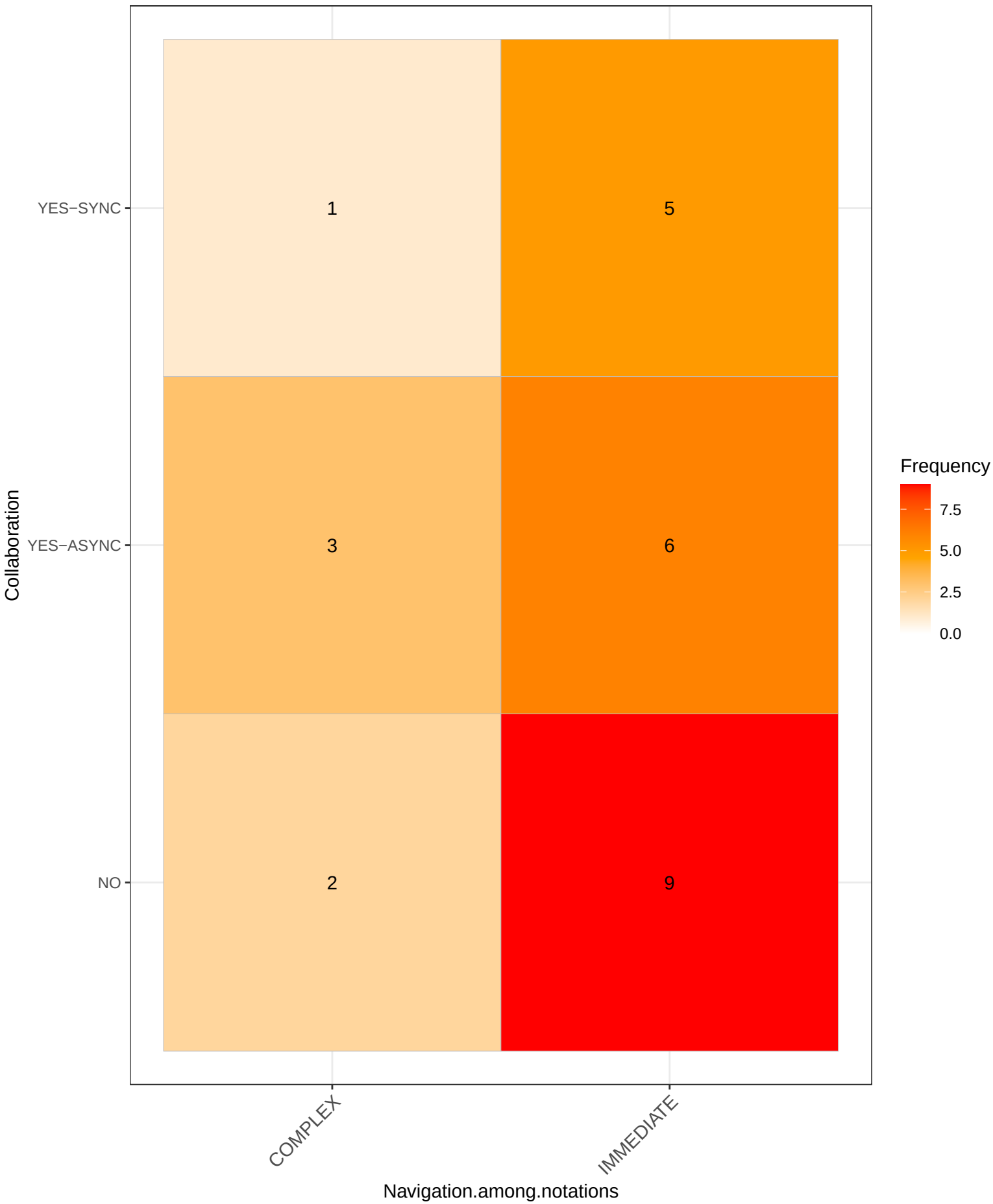

Collaboration_____Notation.instances..number.of. (Chi sq w/ Yates p= 0.13, p= 0.13)
Collaboration
YES−SYNC
YES−ASYNC
NO
5 0 0 0 1 0 0 0 0
0 3 1 3 0 0 2 1 0
5 2 1 1 1 1 0 0 1
2
3
4
5
6
8
9
15
16
Notation.instances..number.of.
Frequency
5
4
3
2
1
0

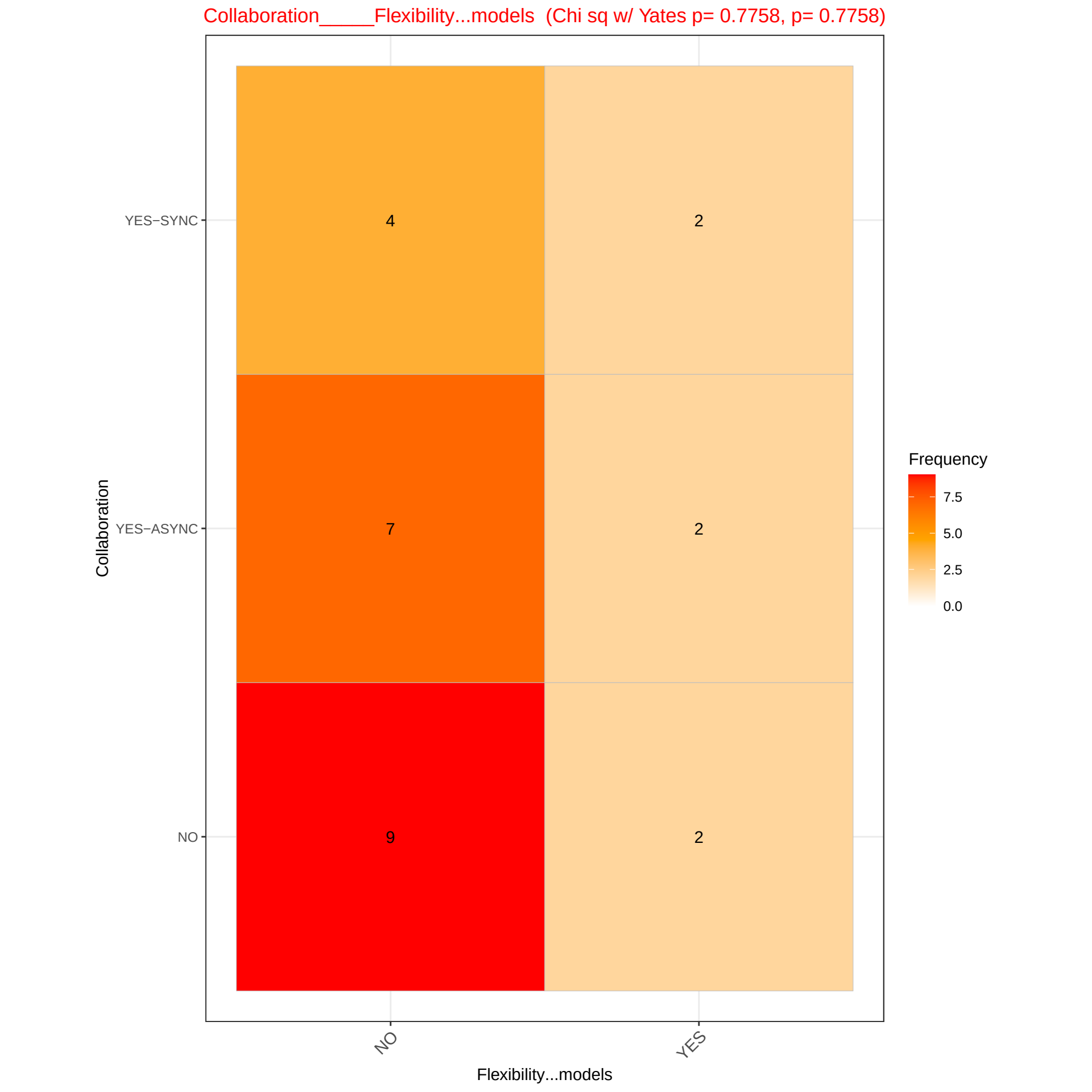

Collaboration_____Embedded.languages (Chi sq w/ Yates p= 0.3745, p= 0.3745)
YES−SYNC
YES−ASYNC
NO
Collaboration
6
0
8
1
11
0
NO
YES
Embedded.languages
Frequency
10.0
7.5
5.0
2.5
0.0

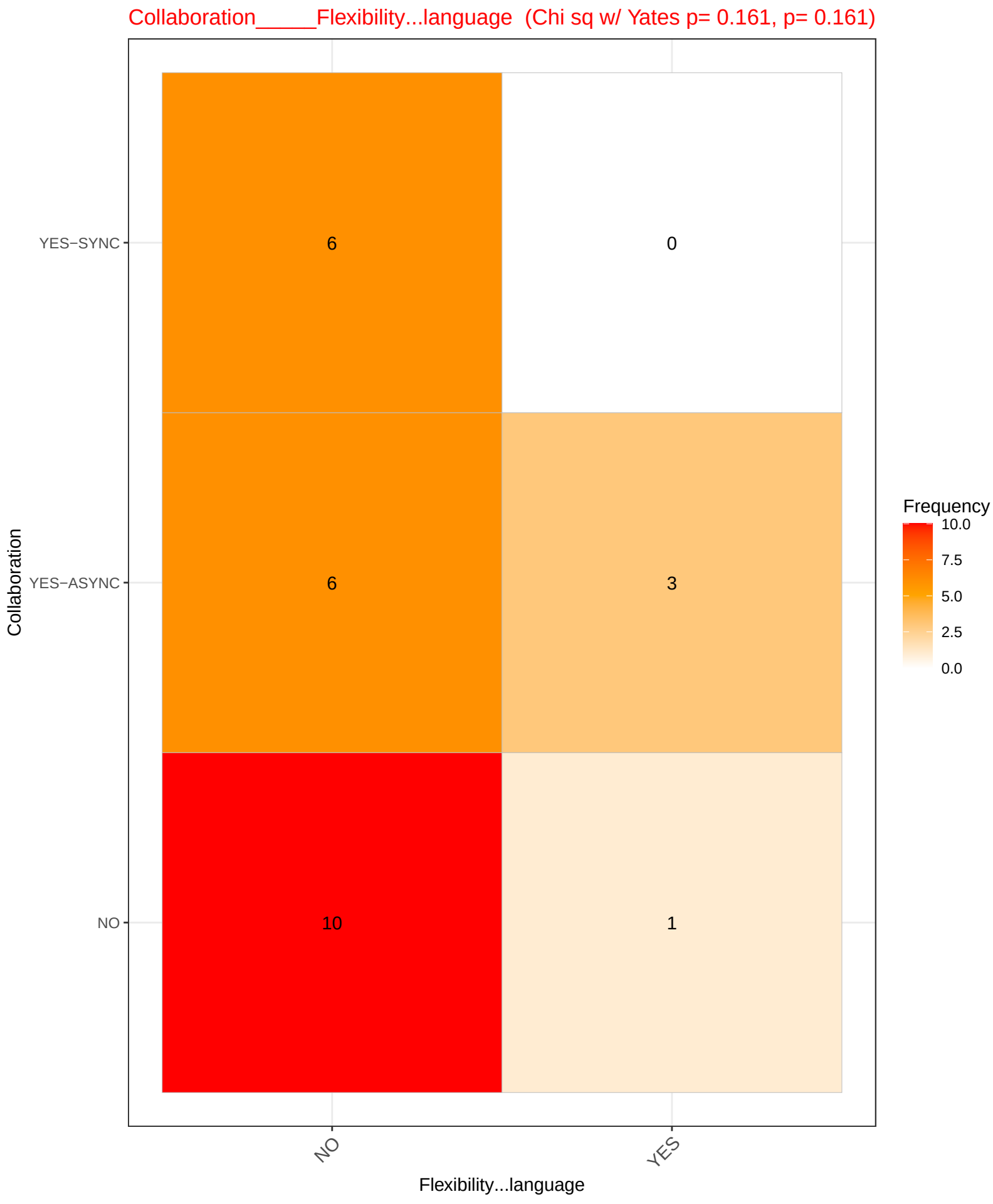

Collaboration_____Overlap (Chi sq w/ Yates p= 0.5604, p= 0.5604)
YES−SYNC
YES−ASYNC
NO
Collaboration
2
4
1
8
2
9
COMPLETE
PARTIAL
Overlap
Frequency
7.5
5.0
2.5
0.0

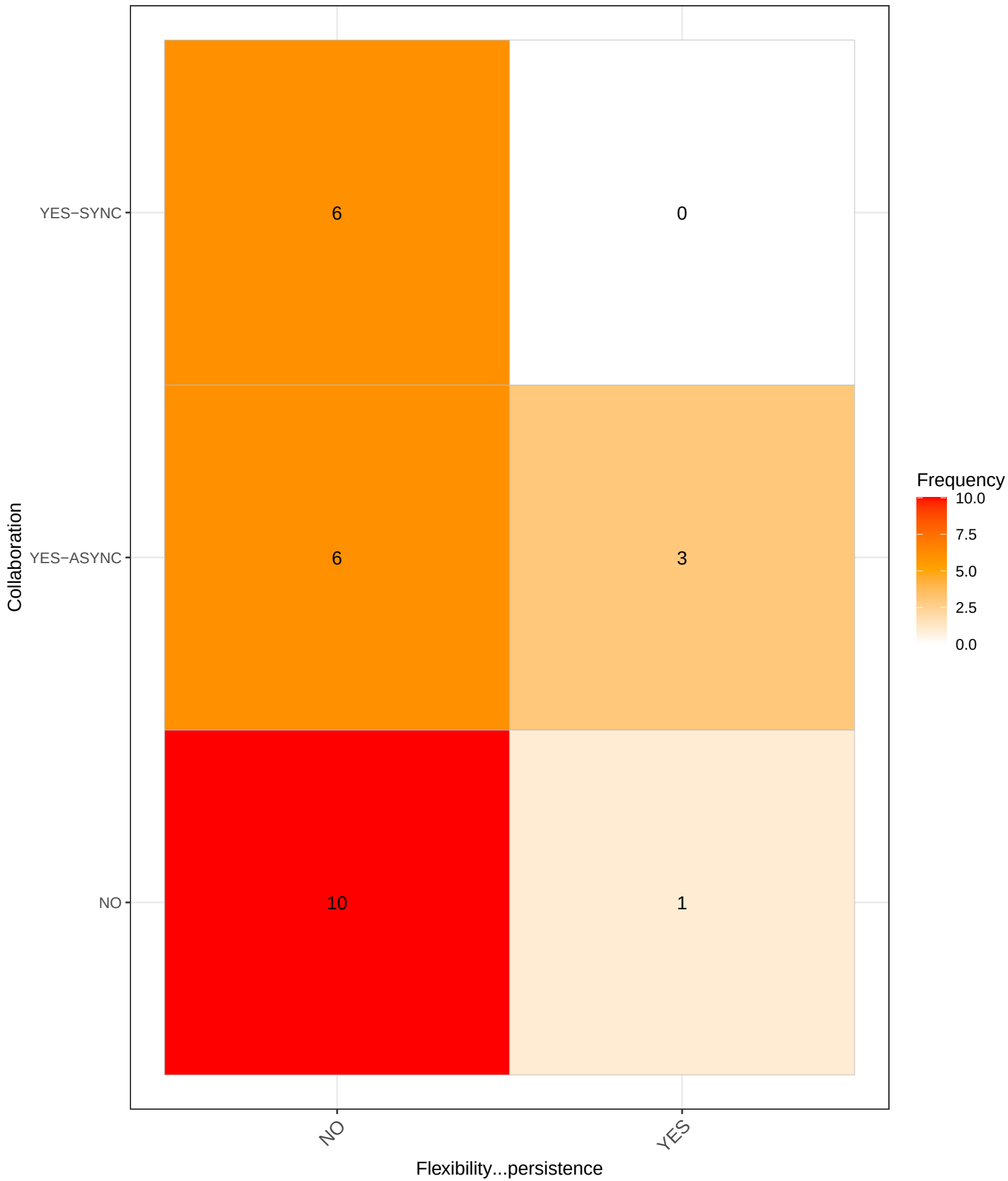

Collaboration_____Visualize.multiple.notations (Chi sq w/ Yates p= 0.4921, p= 0.4921)
YES−SYNC
YES−ASYNC
NO
0
6
0
9
1
10
Collaboration
NO
YES
Visualize.multiple.notations
Frequency
10.0
7.5
5.0
2.5
0.0

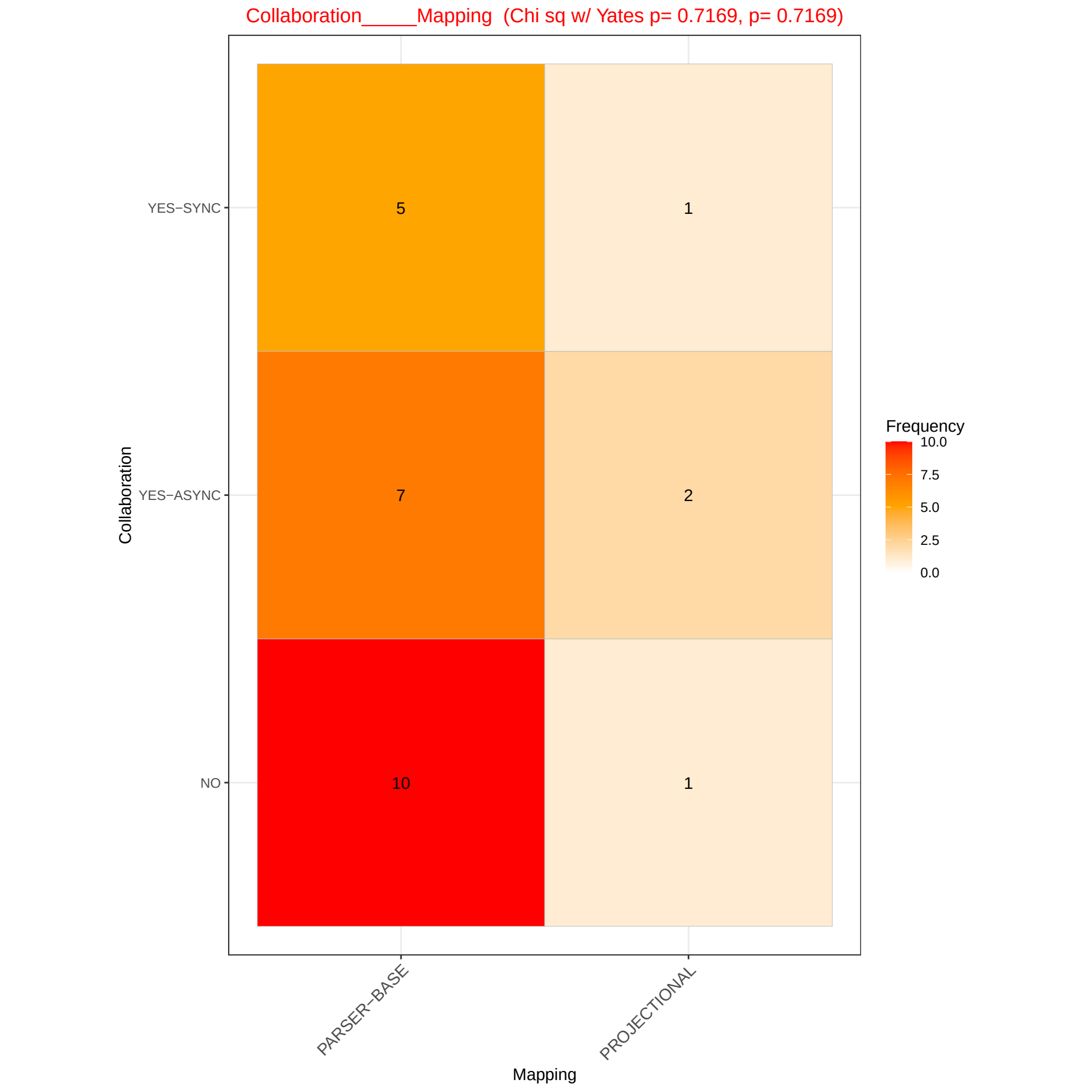

Collaboration_____Synchronous.navigation (Chi sq w/ Yates p= 0.4567, p= 0.4567)
YES−SYNC
YES−ASYNC
NO
Collaboration
1
5
4
5
5
6
NO
YES
Synchronous.navigation
Frequency
6
5
4
3
2
1
0

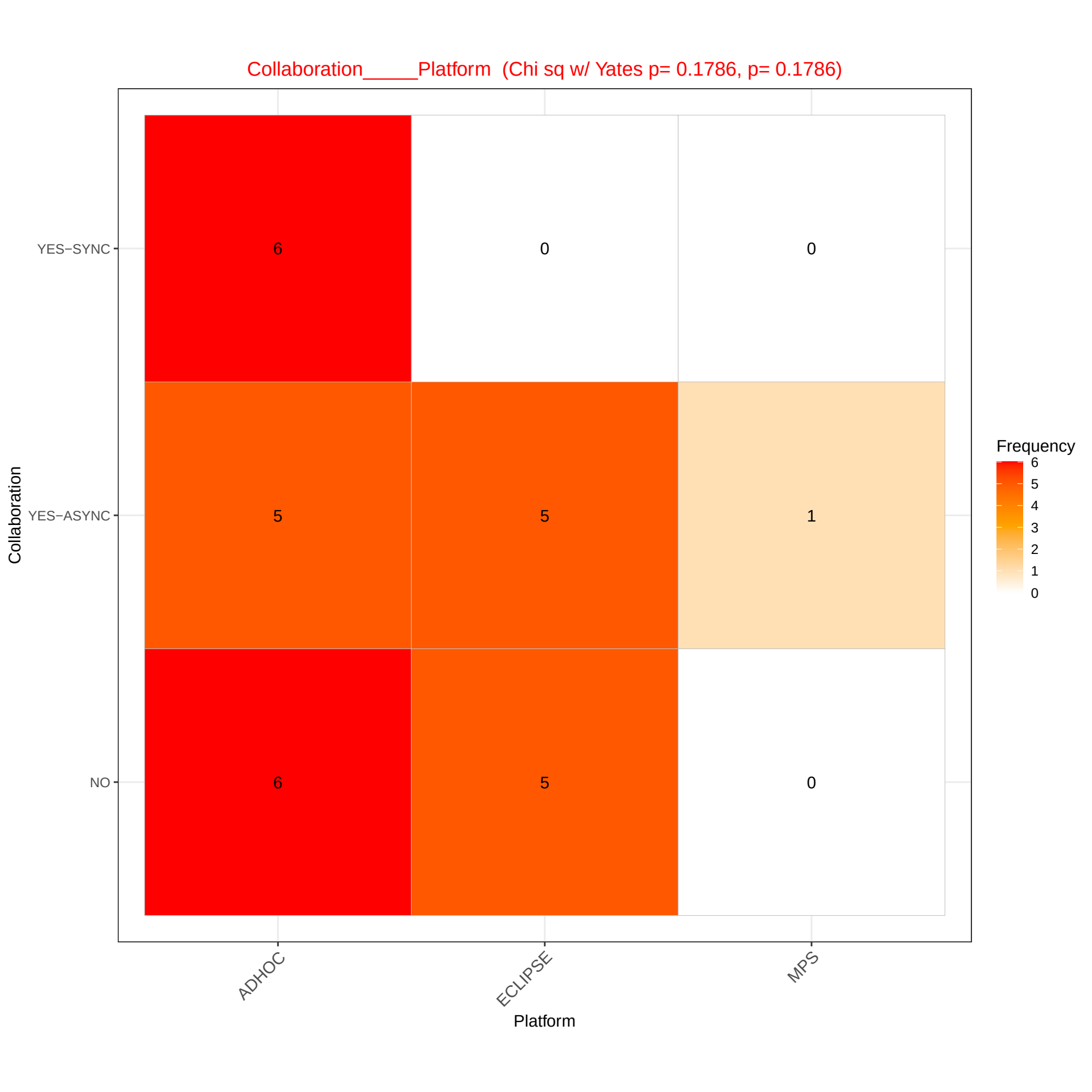

Collaboration_____Navigation.among.notations (Chi sq w/ Yates p= 0.6634, p= 0.6634)
YES−SYNC
YES−ASYNC
NO
1
5
3
6
2
9
Collaboration
COMPLEX
IMMEDIATE
Navigation.among.notations
Frequency
7.5
5.0
2.5
0.0

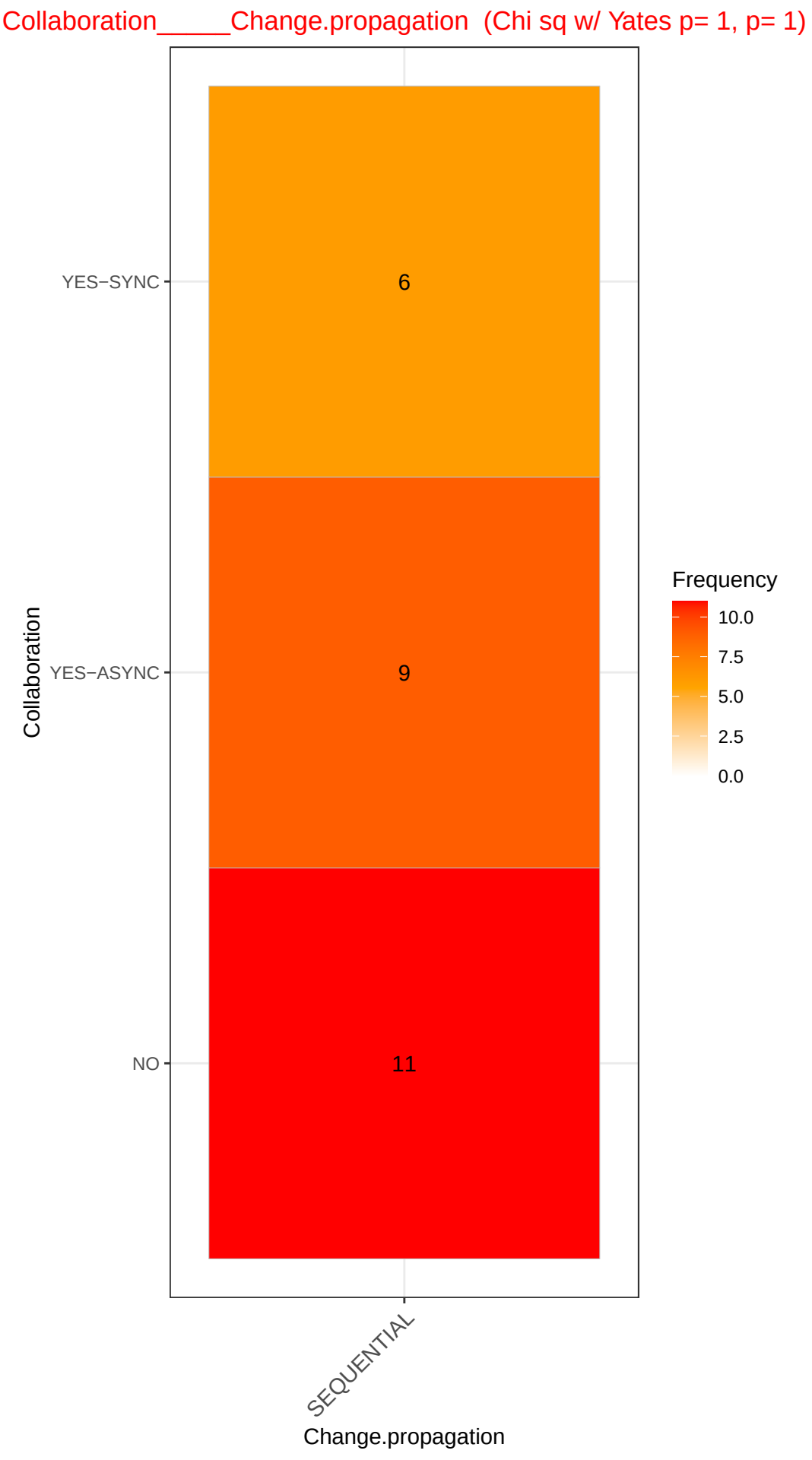

Collaboration_____Flexibility...models (Chi sq w/ Yates p= 0.7758, p= 0.7758)
YES−SYNC
YES−ASYNC
NO
Collaboration
4
2
7
2
9
2
NO
YES
Flexibility...models
Frequency
7.5
5.0
2.5
0.0

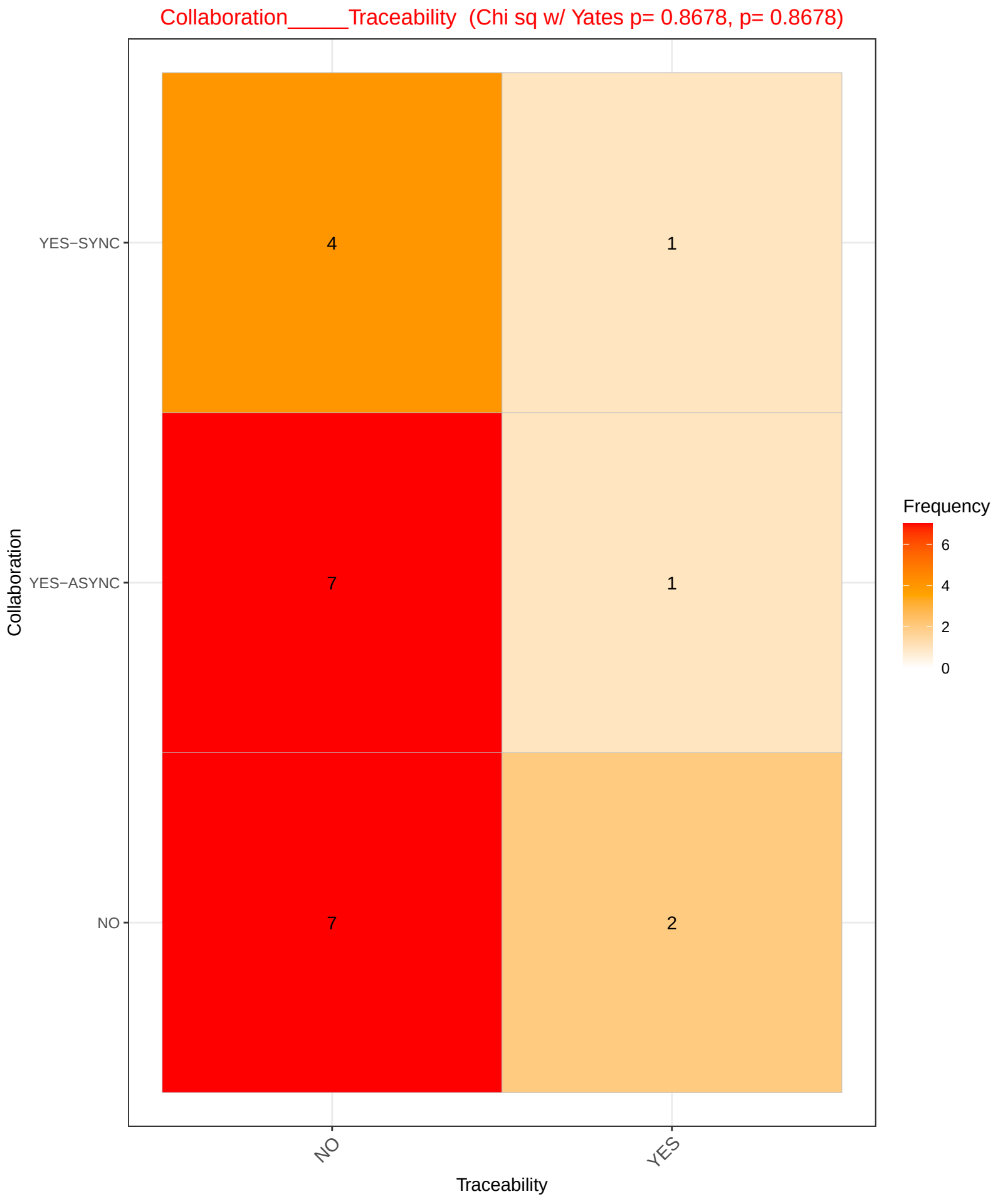

Collaboration_____Flexibility...language (Chi sq w/ Yates p= 0.161, p= 0.161)
YES−SYNC
YES−ASYNC
NO
Collaboration
6
0
6
3
10
1
NO
YES
Flexibility...language
Frequency
10.0
7.5
5.0
2.5
0.0

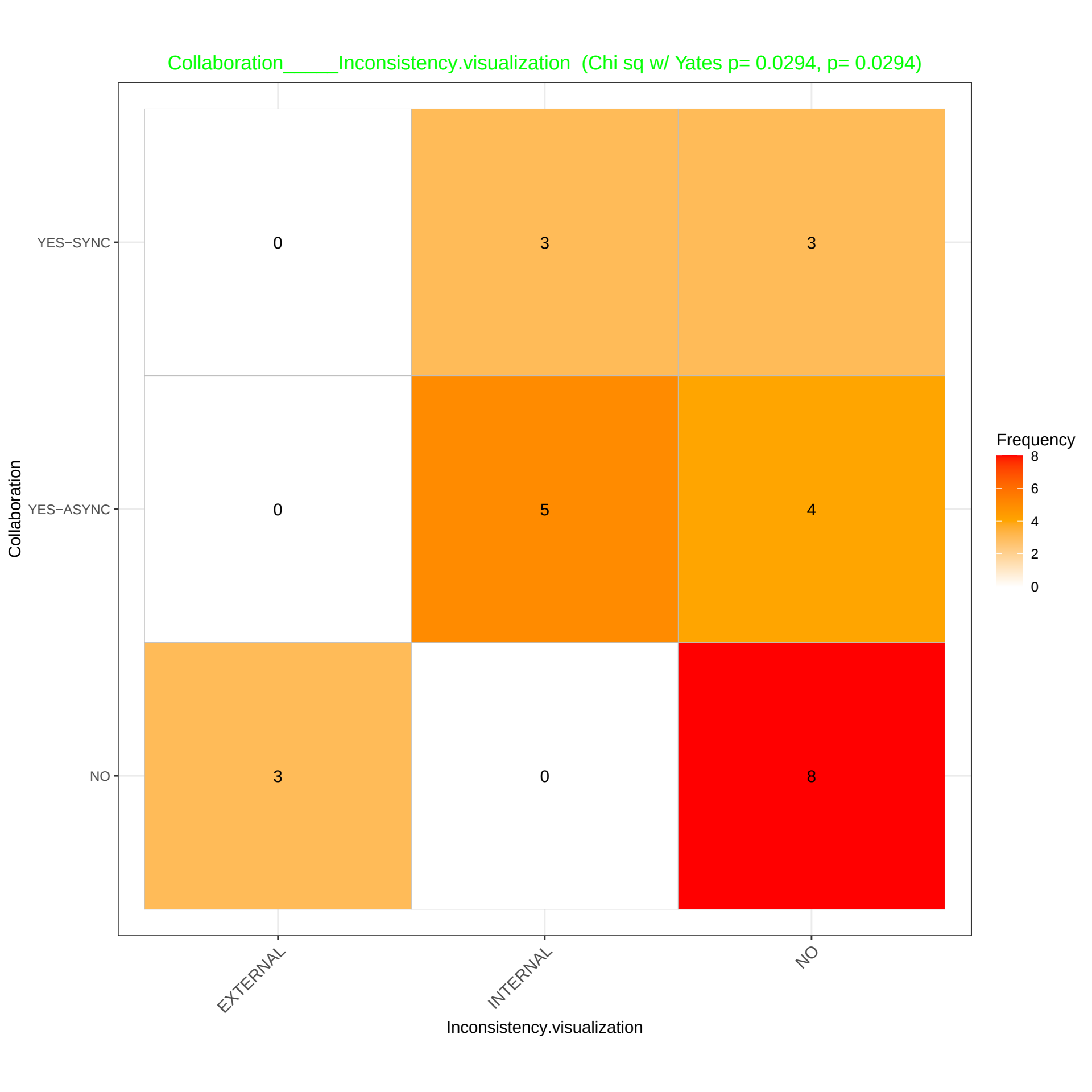

Collaboration_____Flexibility...persistence (Chi sq w/ Yates p= 0.161, p= 0.161)
YES−SYNC
YES−ASYNC
NO
Collaboration
6
0
6
3
10
1
NO
YES
Flexibility...persistence
Frequency
10.0
7.5
5.0
2.5
0.0

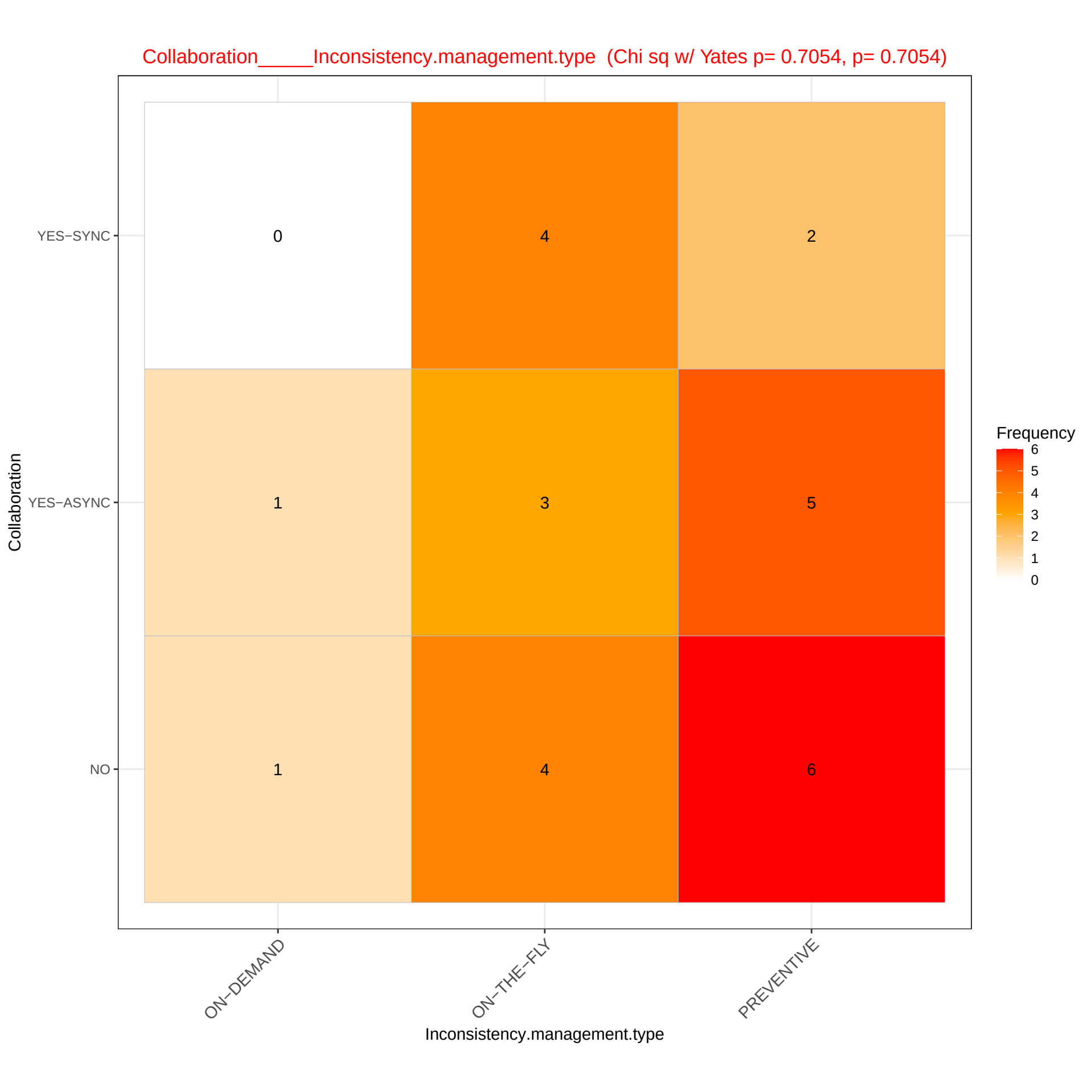

Collaboration_____Mapping (Chi sq w/ Yates p= 0.7169, p= 0.7169)
YES−SYNC
YES−ASYNC
NO
Collaboration
5
1
7
2
10
1
PARSER−BASE
PROJECTIONAL
Mapping
Frequency
10.0
7.5
5.0
2.5
0.0

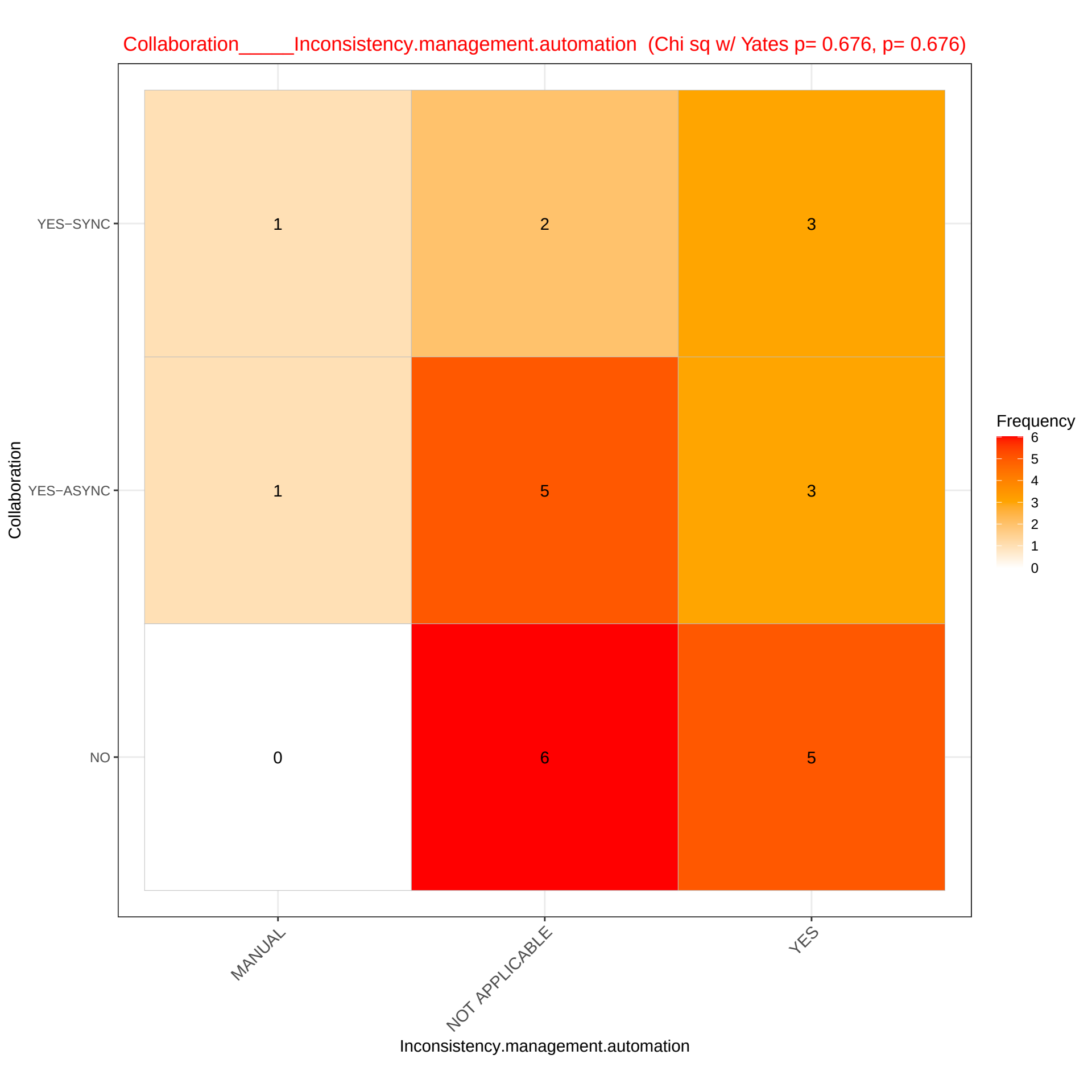

Collaboration_____Platform (Chi sq w/ Yates p= 0.1786, p= 0.1786)
YES−SYNC
YES−ASYNC
NO
Collaboration
6
0
0
5
5
1
6
5
0
ADHOC
ECLIPSE
MPS
Platform
Frequency
6
5
4
3
2
1
0

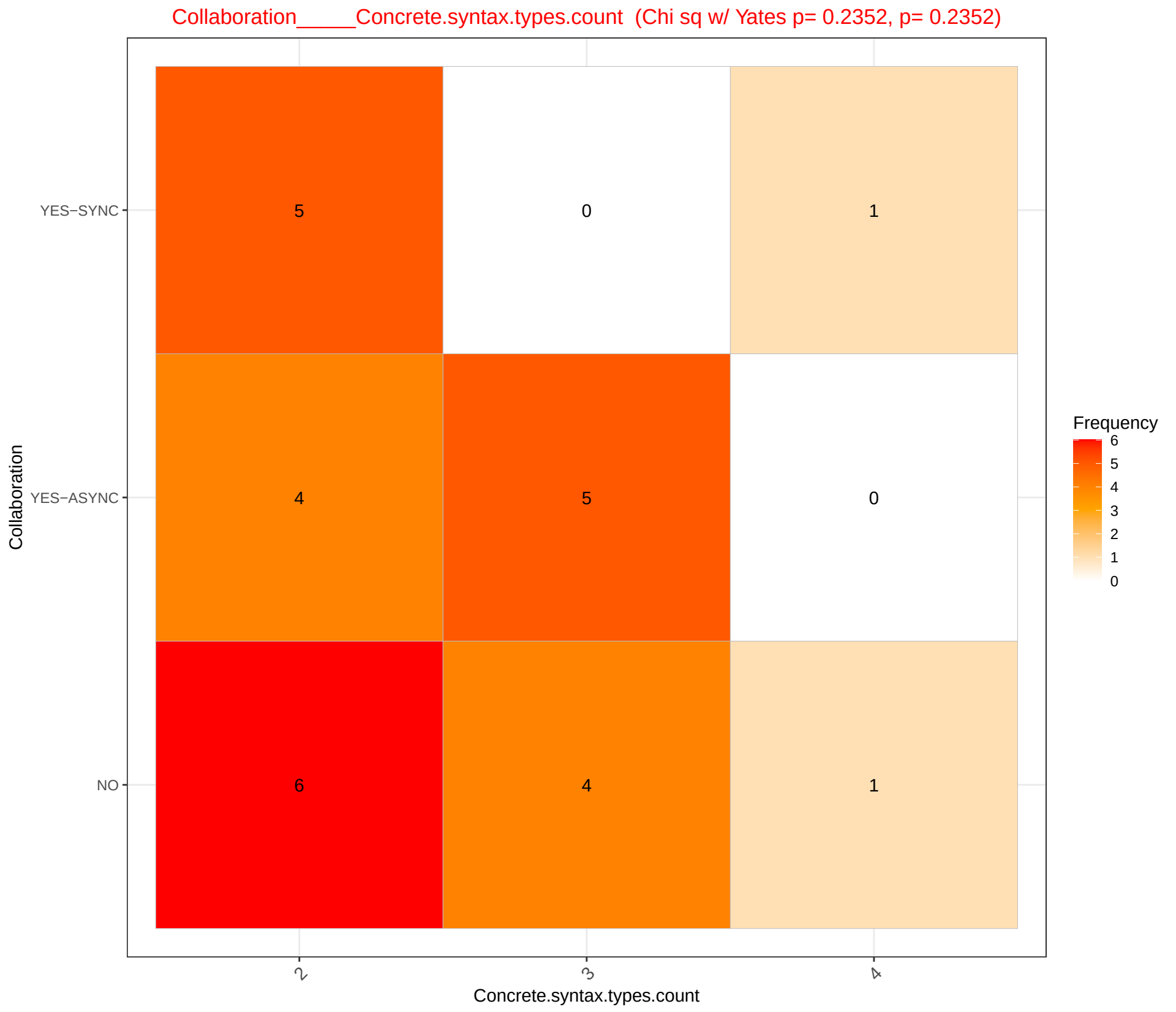

Collaboration_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)
YES−SYNC
YES−ASYNC
NO
Collaboration
6
9
11
Frequency
10.0
7.5
5.0
2.5
0.0
SEQUENTIAL
Change.propagation

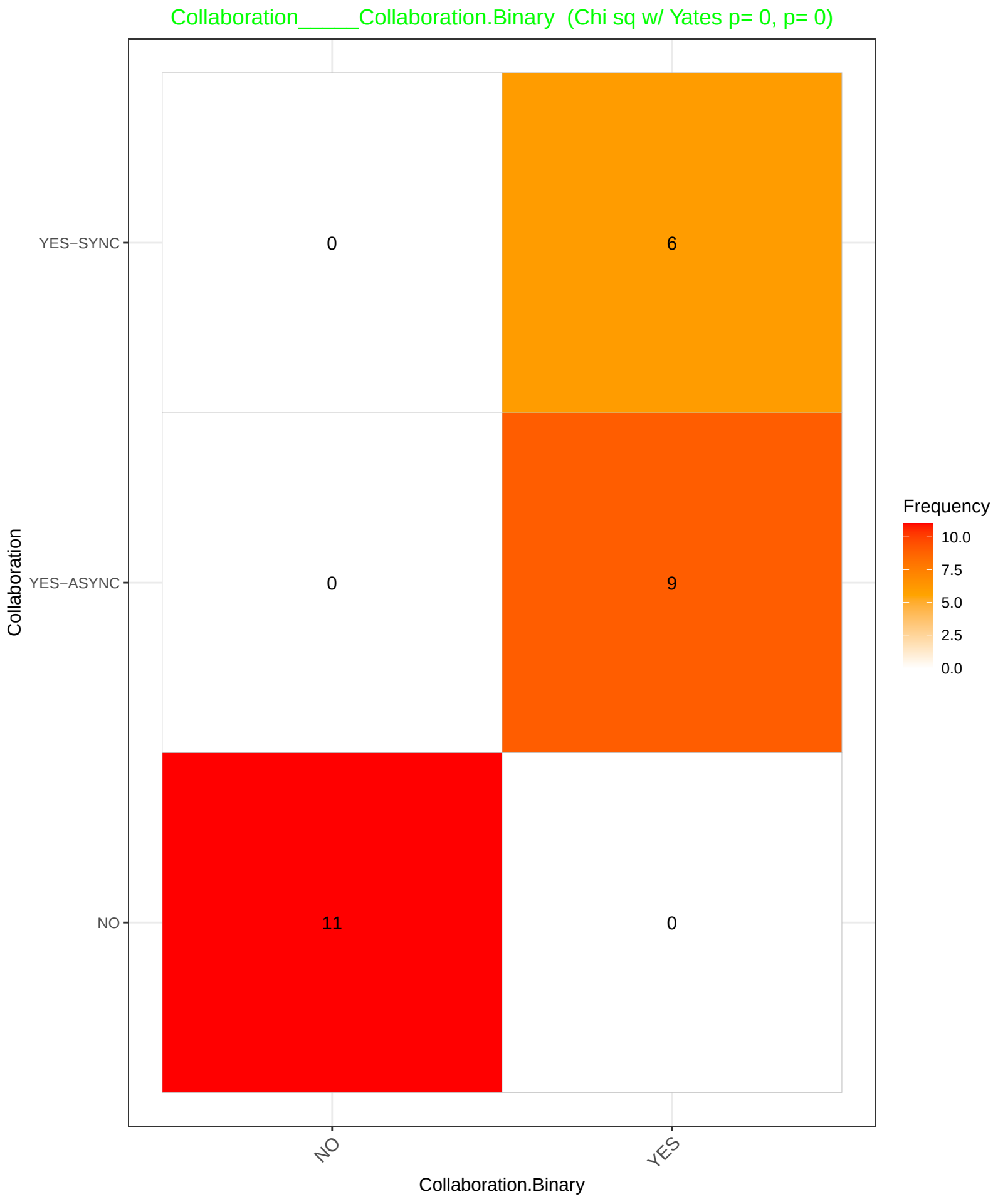

Collaboration_____Traceability (Chi sq w/ Yates p= 0.8678, p= 0.8678)
YES−SYNC
YES−ASYNC
NO
Collaboration
4
1
7
1
7
2
NO
YES
Traceability
Frequency
6
4
2
0

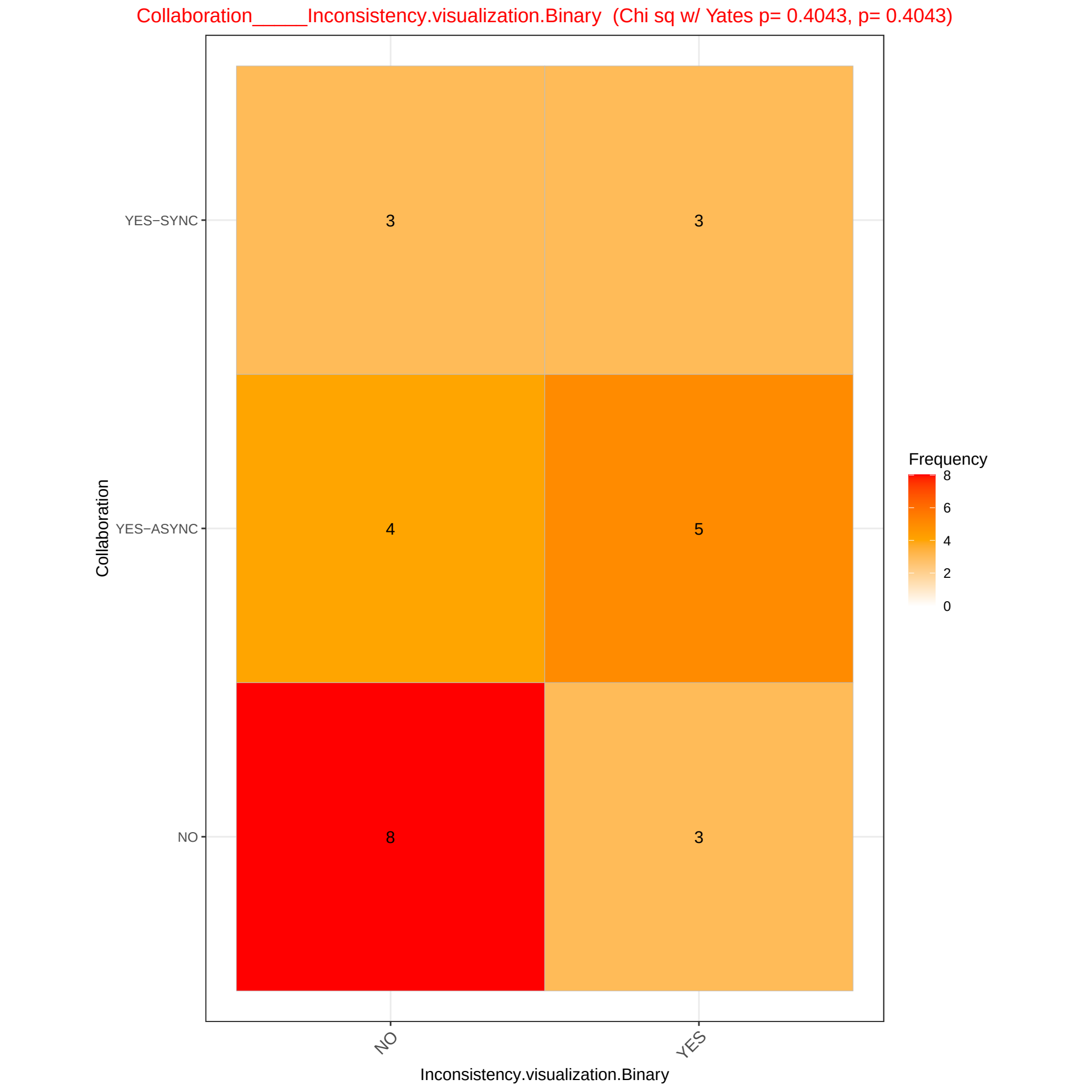

Collaboration_____Inconsistency.visualization (Chi sq w/ Yates p= 0.0294, p= 0.0294)
YES−SYNC
YES−ASYNC
NO
Collaboration
0
3
3
0
5
4
3
0
8
EXTERNAL
INTERNAL
NO
Inconsistency.visualization
Frequency
8
6
4
2
0

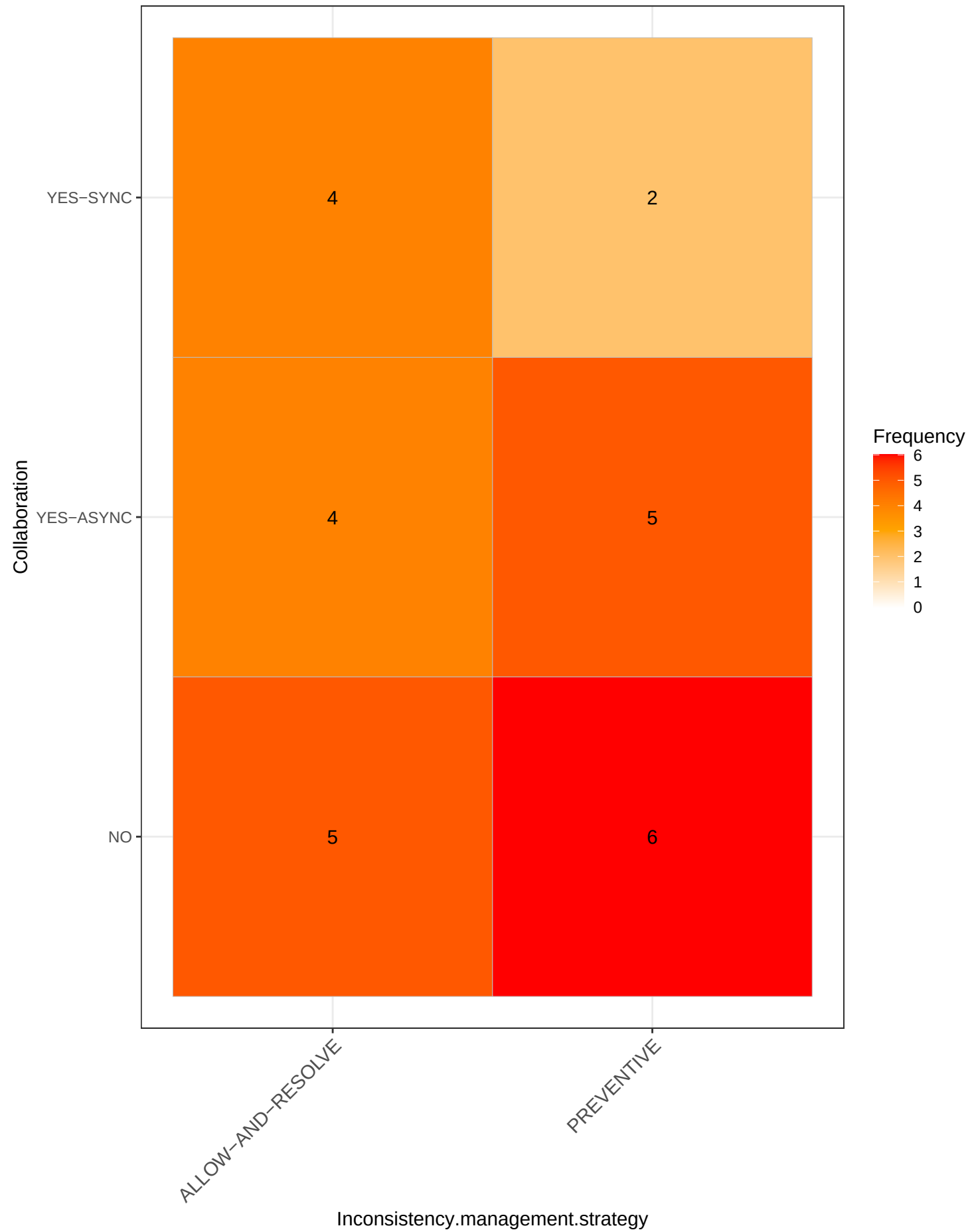

Collaboration_____Inconsistency.management.type (Chi sq w/ Yates p= 0.7054, p= 0.7054)
YES−SYNC
YES−ASYNC
NO
Collaboration
0
4
2
1
3
5
1
4
6
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type
Frequency
6
5
4
3
2
1
0

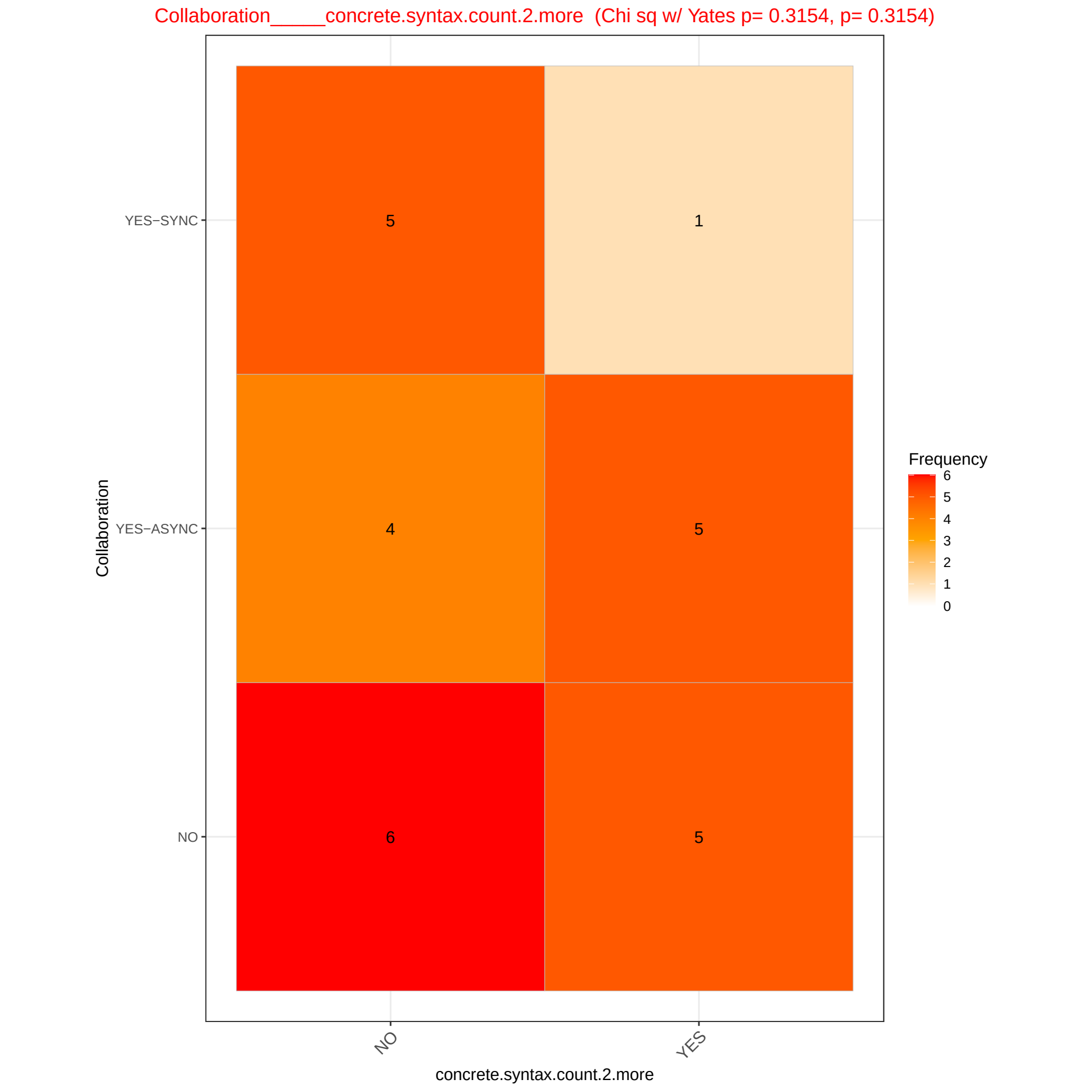

Collaboration_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.676, p= 0.676)
YES−SYNC
YES−ASYNC
NO
Collaboration
1
2
3
1
5
3
0
6
5
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
6
5
4
3
2
1
0

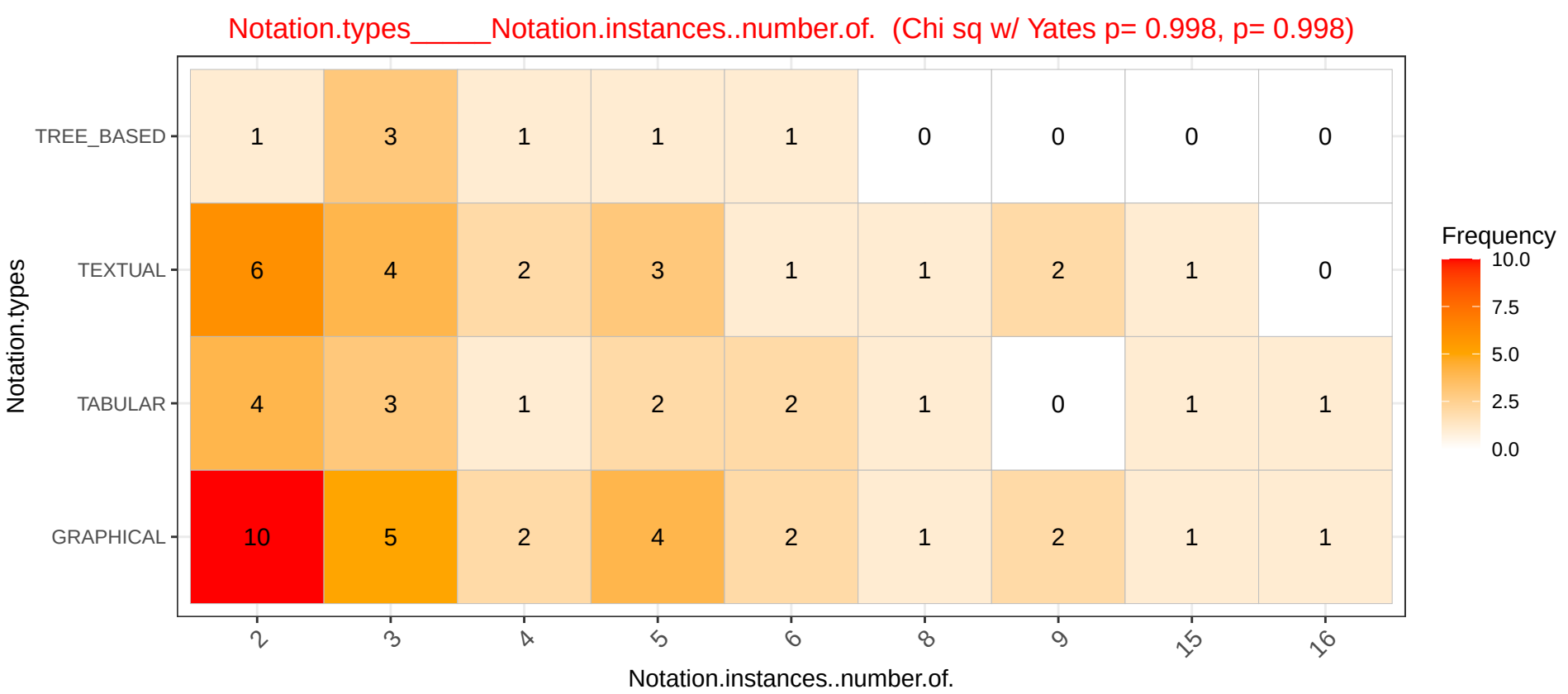

Collaboration_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.2352, p= 0.2352)
YES−SYNC
YES−ASYNC
NO
Collaboration
5
0
1
4
5
0
6
4
1
2
3
4
Concrete.syntax.types.count
Frequency
6
5
4
3
2
1
0

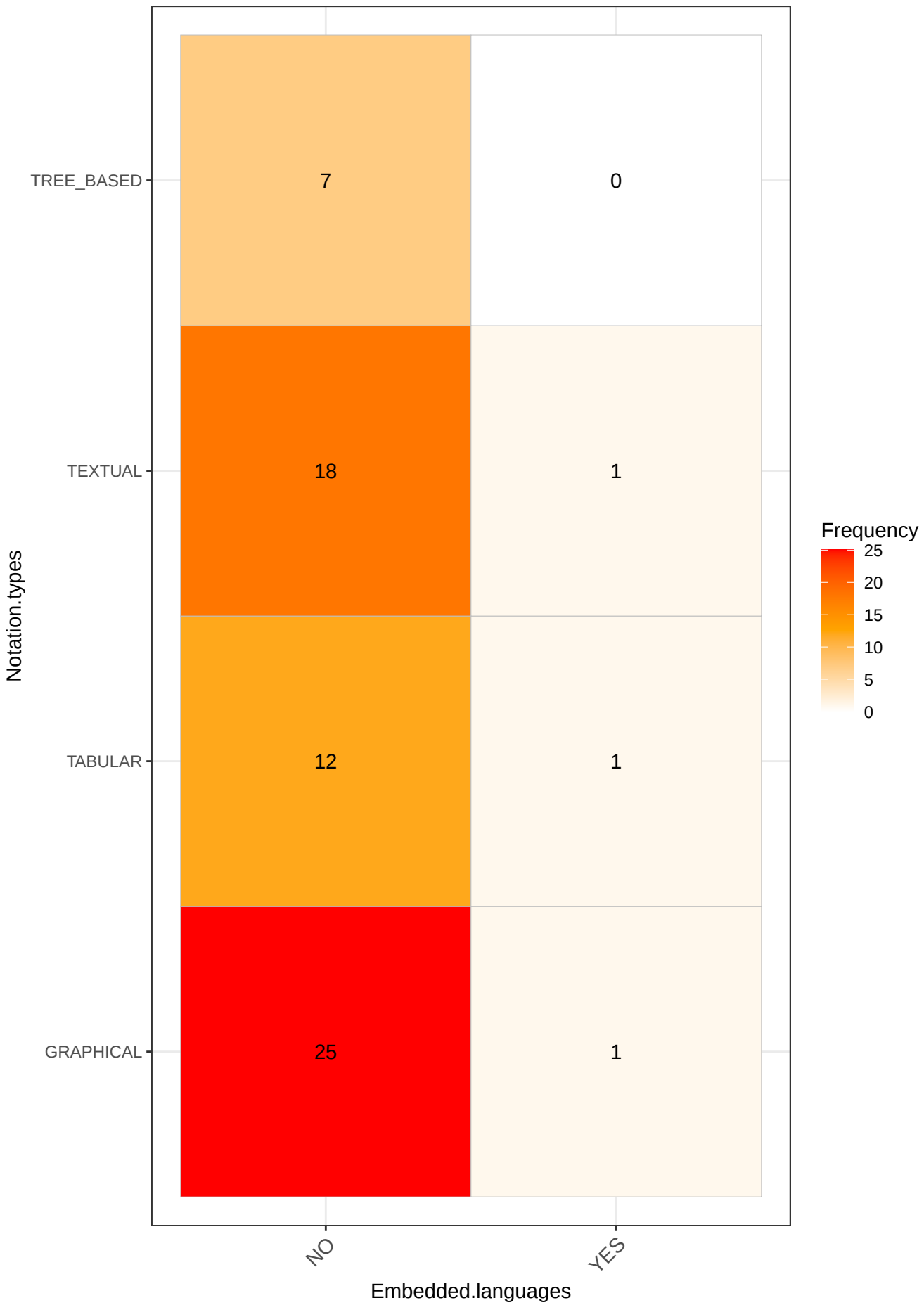

Collaboration_____Collaboration.Binary (Chi sq w/ Yates p= 0, p= 0)
YES−SYNC
YES−ASYNC
NO
Collaboration
0
6
0
9
11
0
NO
YES
Collaboration.Binary
Frequency
10.0
7.5
5.0
2.5
0.0

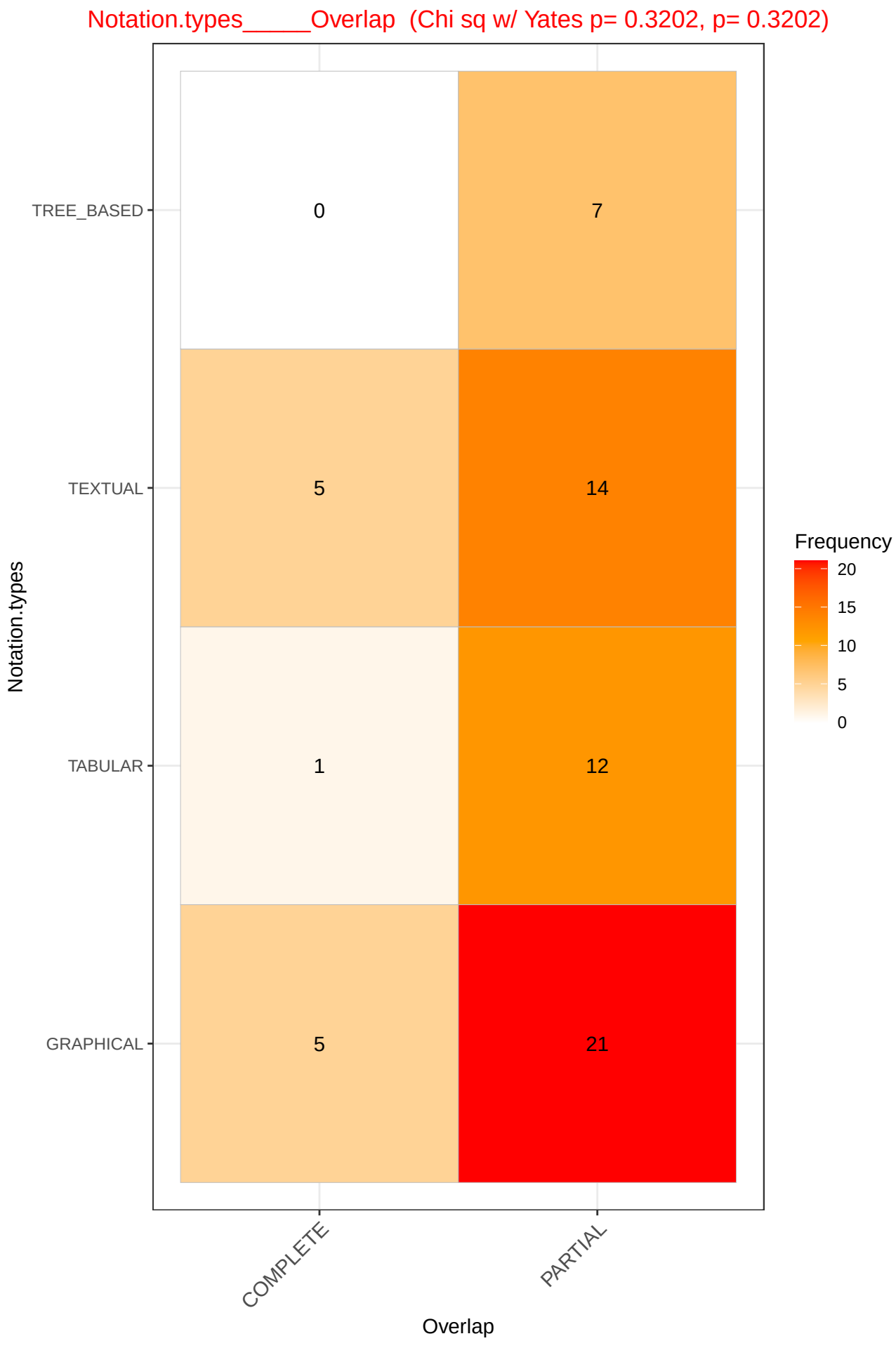

Collaboration_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.4043, p= 0.4043)
YES−SYNC
YES−ASYNC
NO
Collaboration
3
3
4
5
8
3
NO
YES
Inconsistency.visualization.Binary
Frequency
8
6
4
2
0

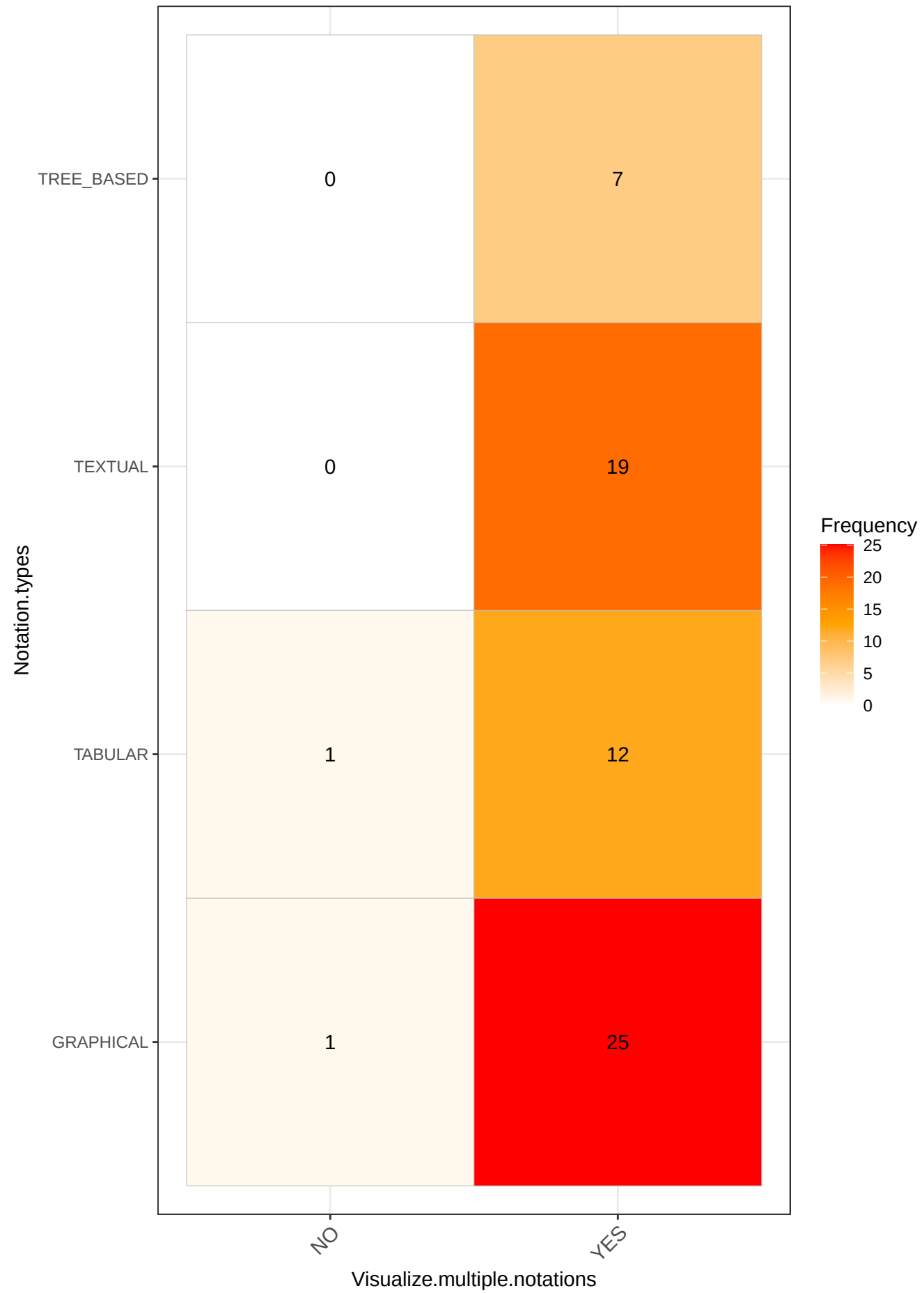

Collaboration_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.6477, p= 0.6477)
YES−SYNC
YES−ASYNC
NO
Collaboration
4
2
4
5
5
6
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy
Frequency
6
5
4
3
2
1
0

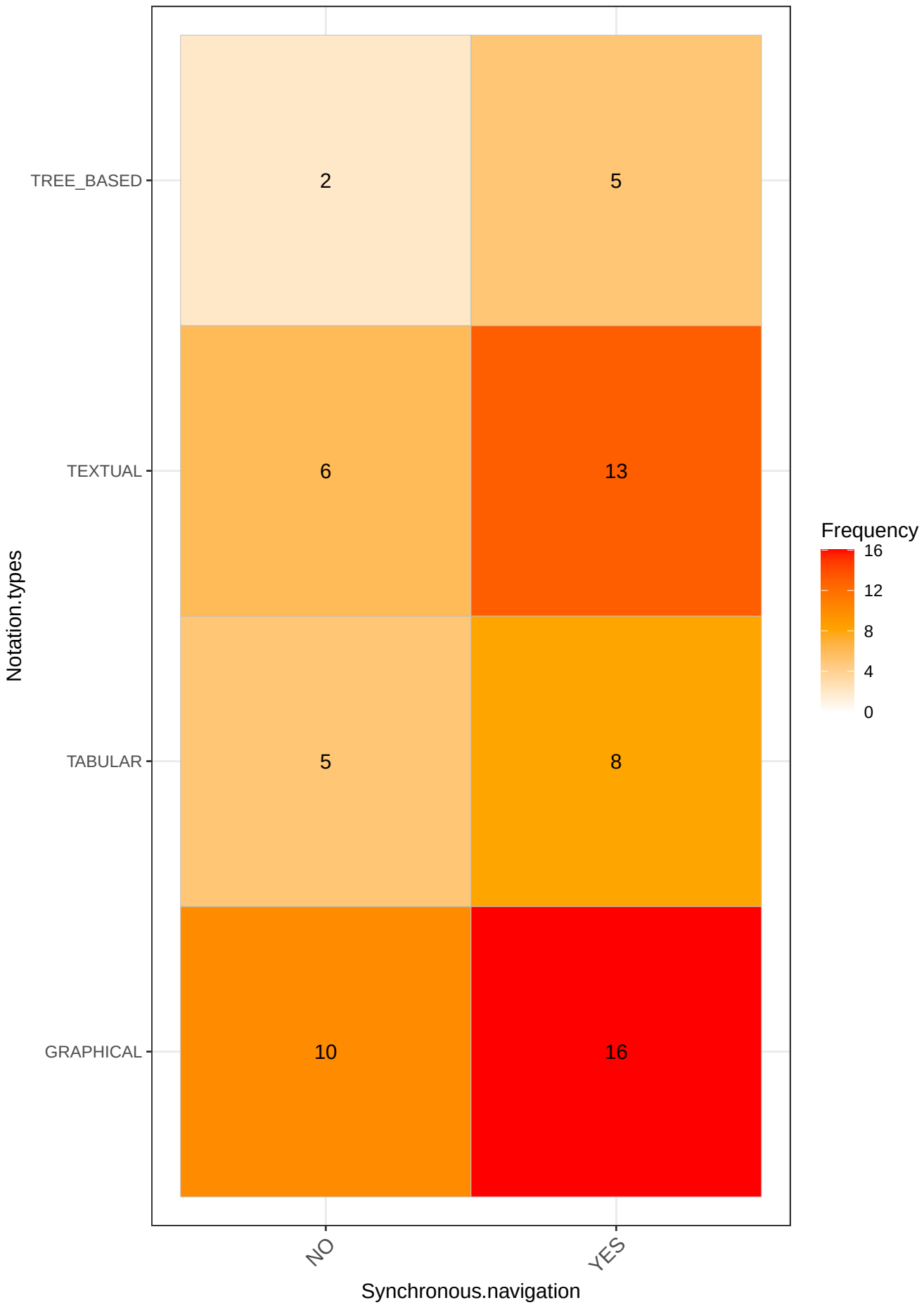

Collaboration_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.3154, p= 0.3154)
YES−SYNC
YES−ASYNC
NO
Collaboration
5
1
4
5
6
5
NO
YES
concrete.syntax.count.2.more
Frequency
6
5
4
3
2
1
0

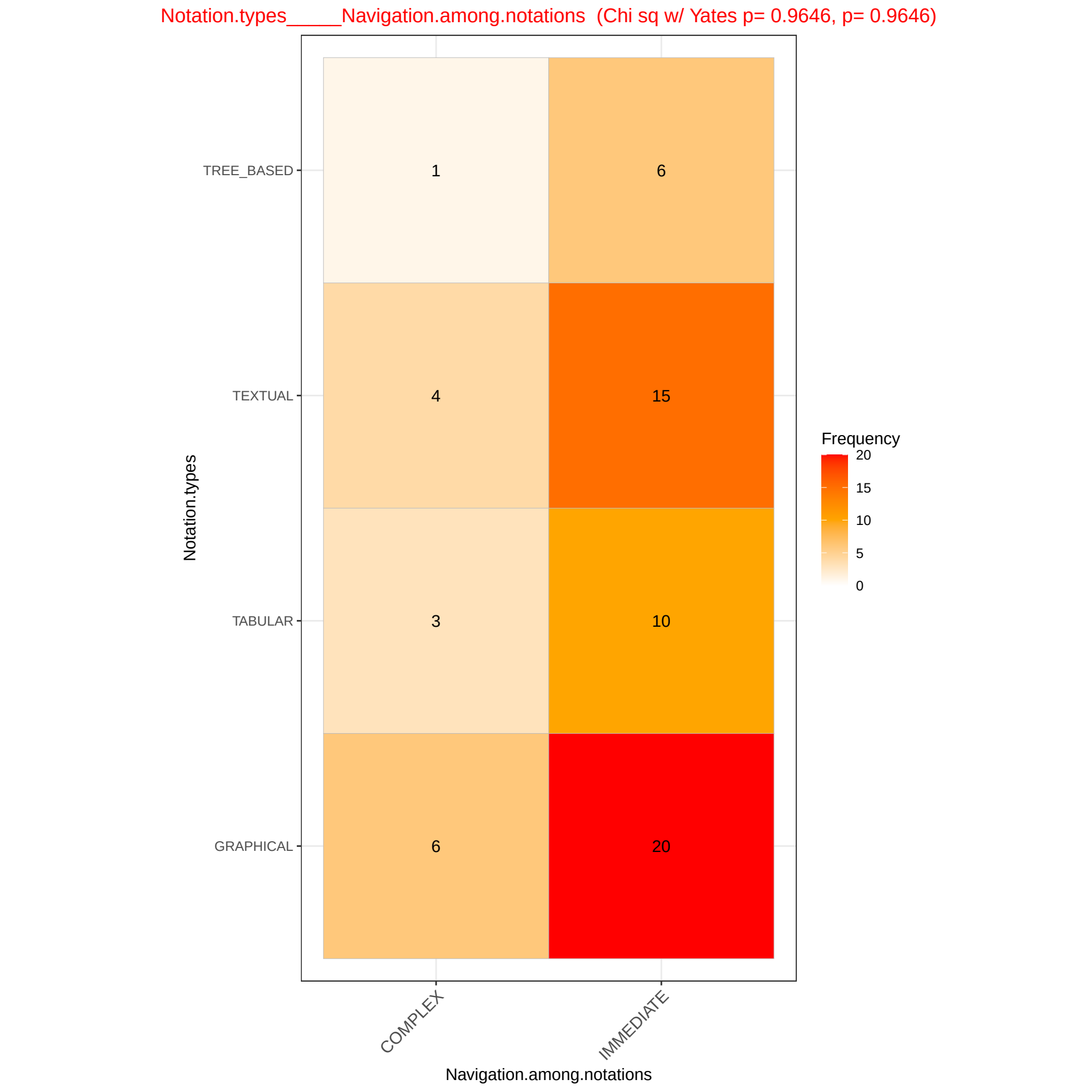

Notation.types_____Notation.instances..number.of. (Chi sq w/ Yates p= 0.998, p= 0.998)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
Notation.types
1 3 1 1 1 0 0 0 0
6 4 2 3 1 1 2 1 0
4 3 1 2 2 1 0 1 1
10 5 2 4 2 1 2 1 1
2 3 4 5 6 8 9 15 16
Notation.instances..number.of.
Frequency
10.0
7.5
5.0
2.5
0.0

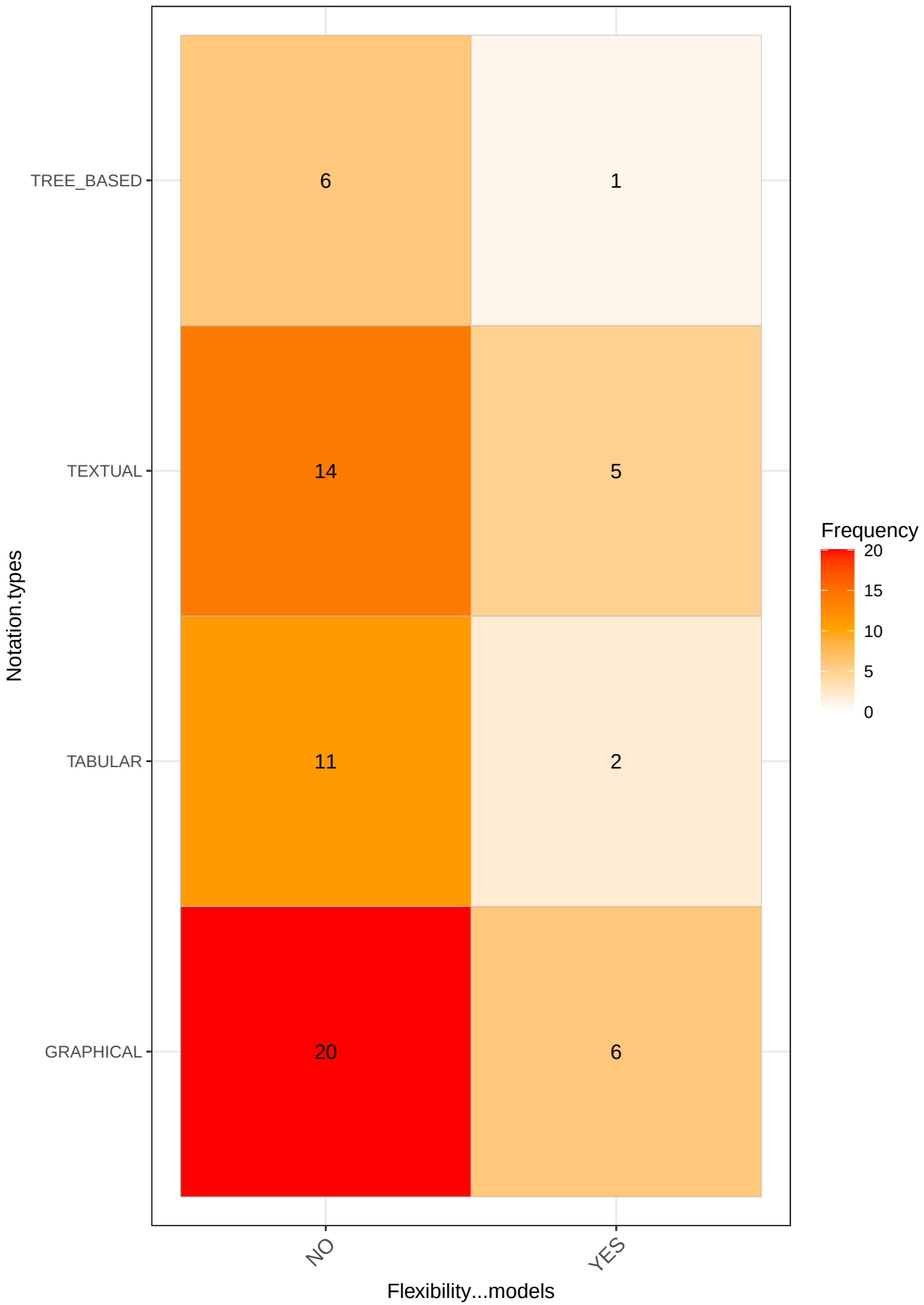

Notation.types_____Embedded.languages (Chi sq w/ Yates p= 0.8799, p= 0.8799)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
Notation.types
7
0
18
1
12
1
25
1
NO
YES
Embedded.languages
Frequency
25
20
15
10
5
0

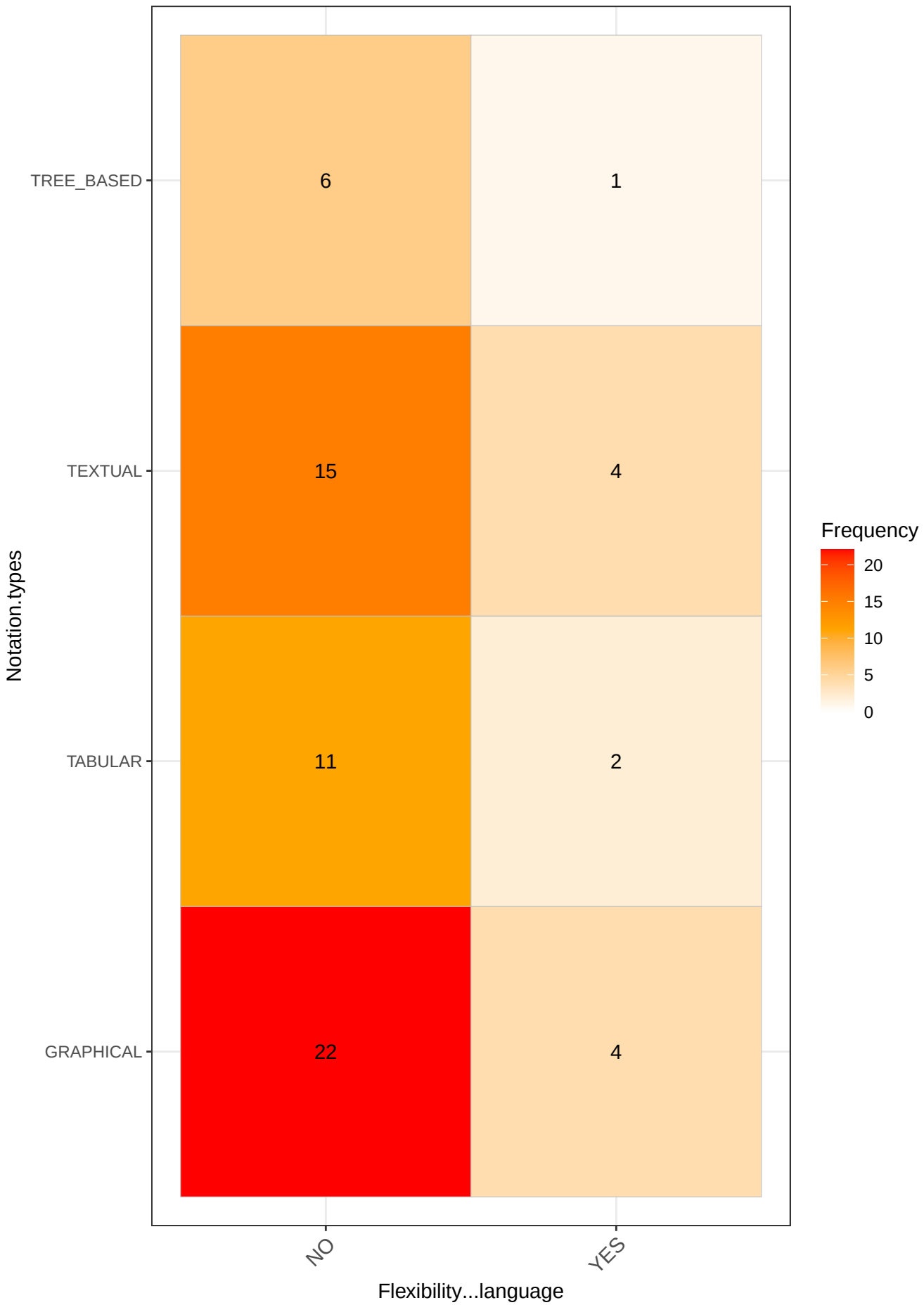

Notation.types_____Overlap (Chi sq w/ Yates p= 0.3202, p= 0.3202)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
Notation.types
0
7
5
14
1
12
5
21
COMPLETE
PARTIAL
Overlap
Frequency
20
15
10
5
0

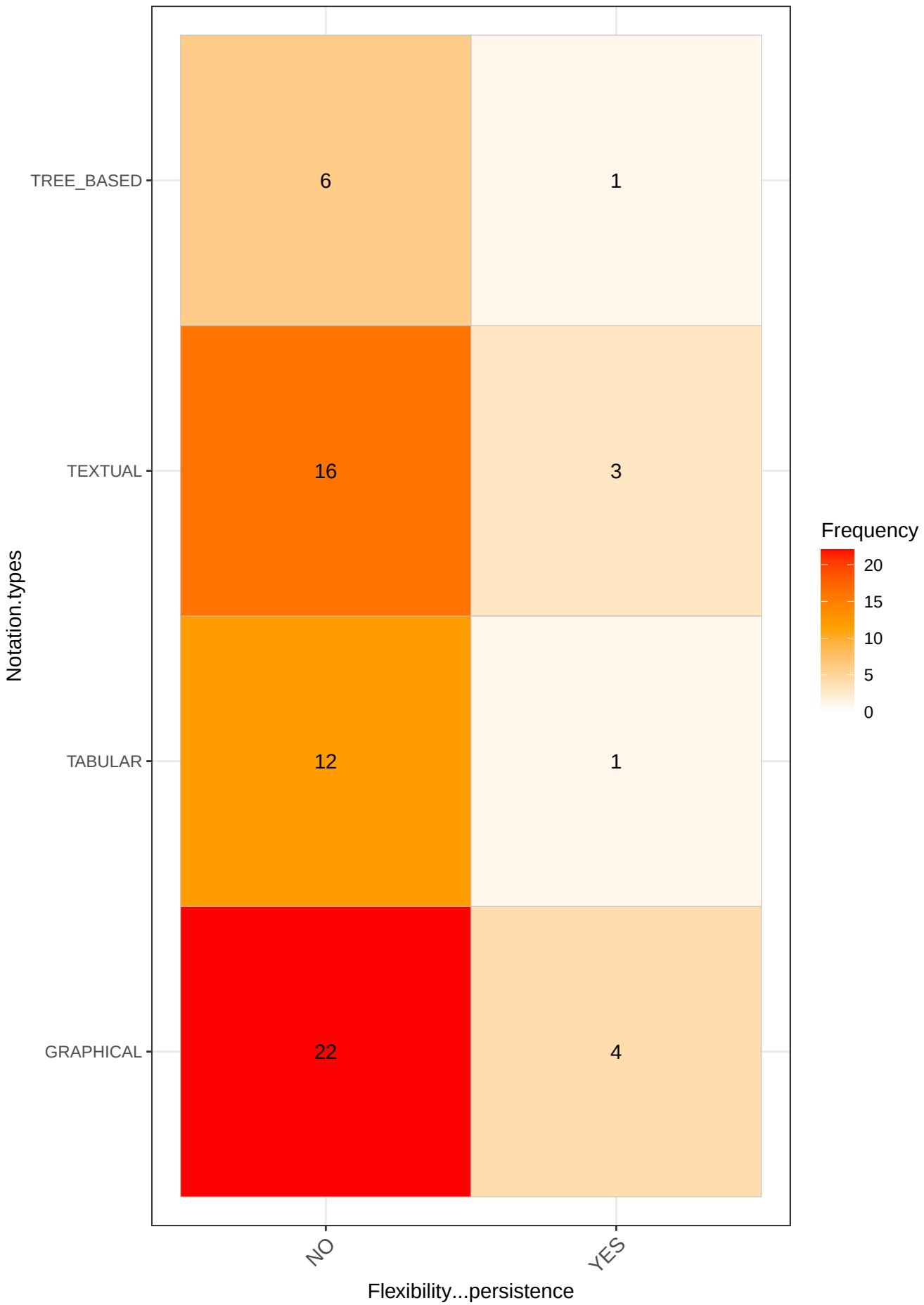

Notation.types_____Visualize.multiple.notations (Chi sq w/ Yates p= 0.6137, p= 0.6137)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
0
7
0
19
1
12
1
25
Notation.types
NO
YES
Visualize.multiple.notations
Frequency
25
20
15
10
5
0

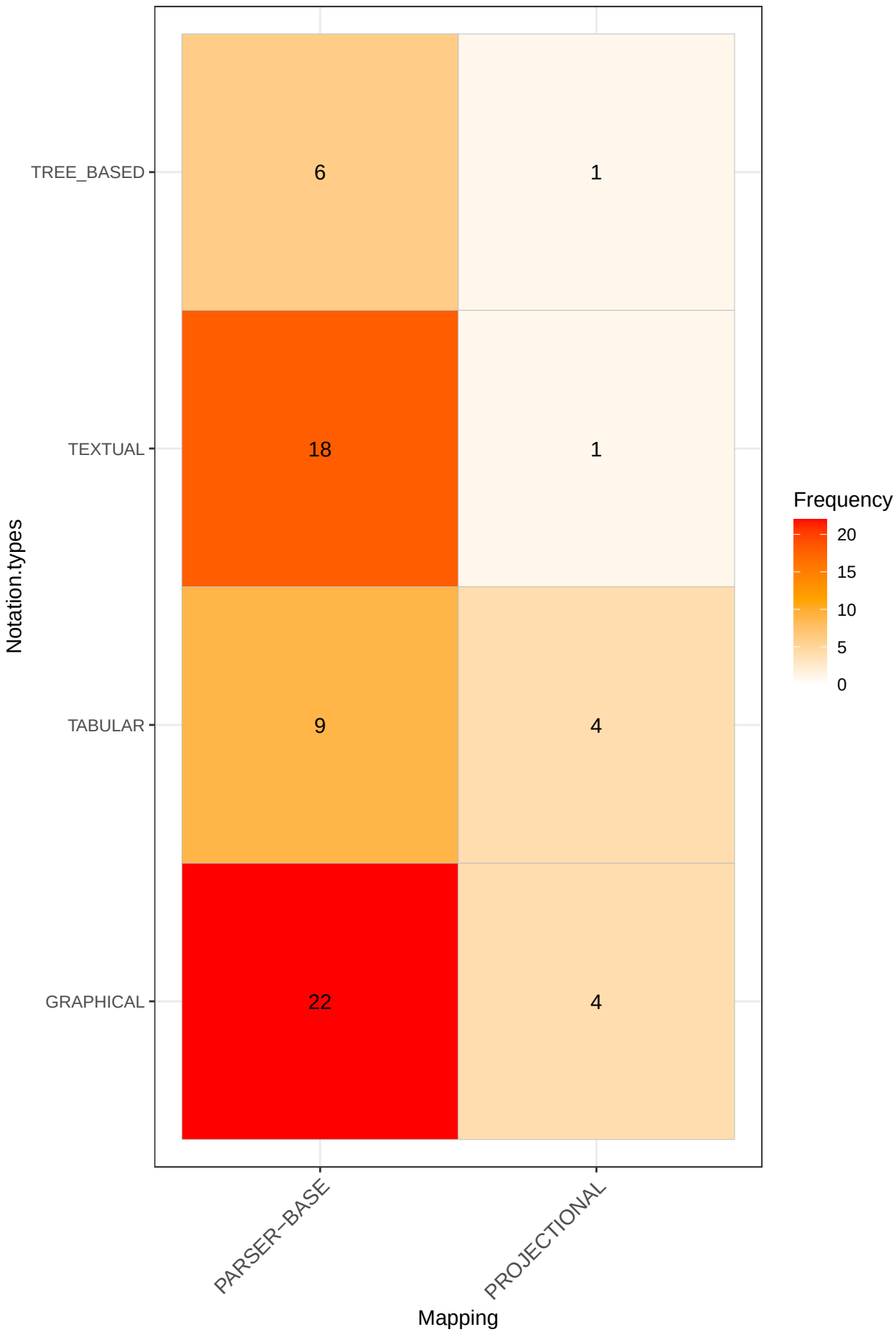

Notation.types_____Synchronous.navigation (Chi sq w/ Yates p= 0.9352, p= 0.9352)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
Notation.types
2
5
6
13
5
8
10
16
NO
YES
Synchronous.navigation
Frequency
16
12
8
4
0

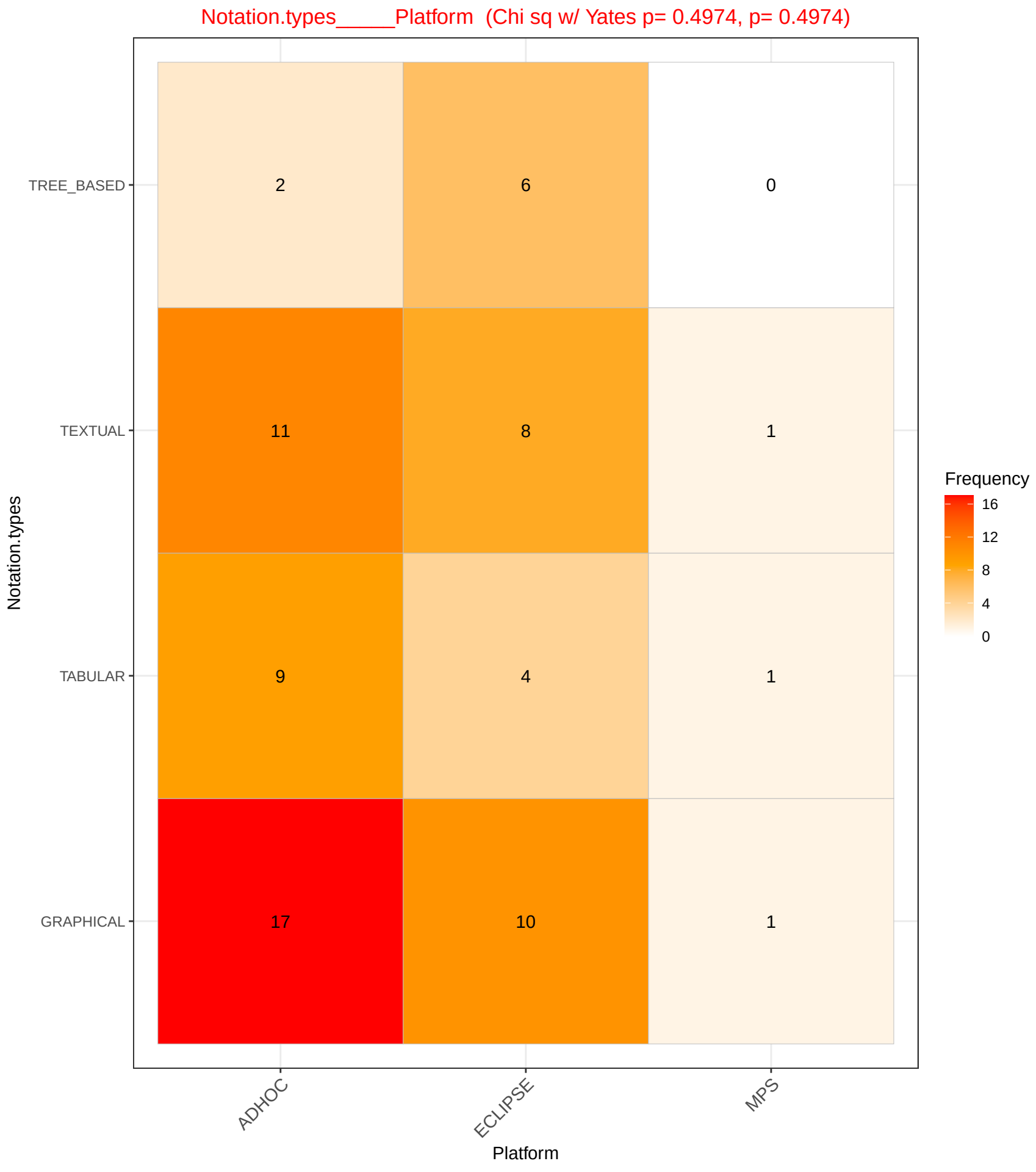

Notation.types_____Navigation.among.notations (Chi sq w/ Yates p= 0.9646, p= 0.9646)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
Notation.types
1
6
4
15
3
10
6
20
Frequency
20
15
10
5
0
COMPLEX
IMMEDIATE
Navigation.among.notations

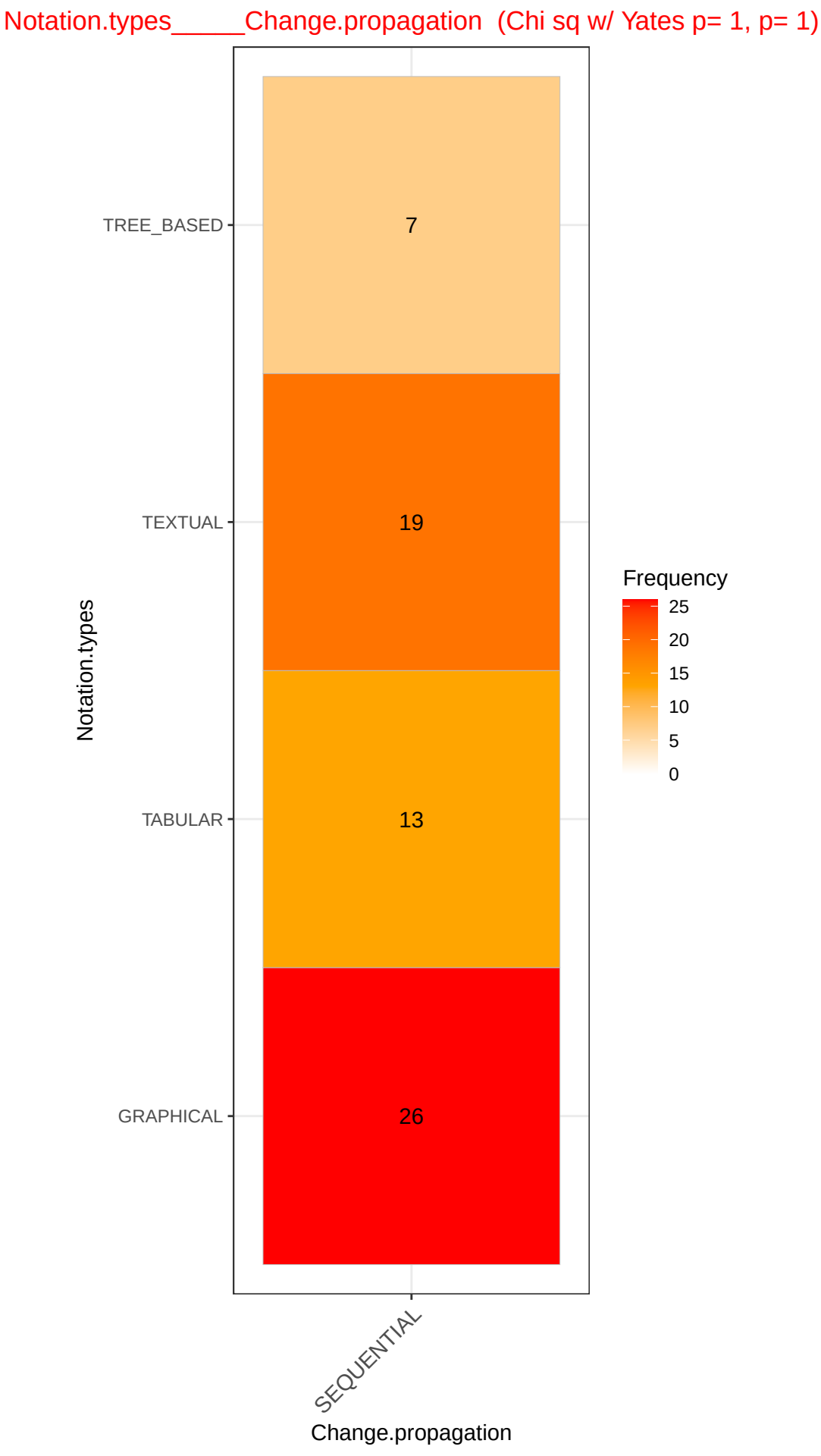

Notation.types_____Flexibility...models (Chi sq w/ Yates p= 0.8489, p= 0.8489)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
6
1
14
5
11
2
20
6
NO
YES
Notation.types
Flexibility...models
Frequency
20
15
10
5
0

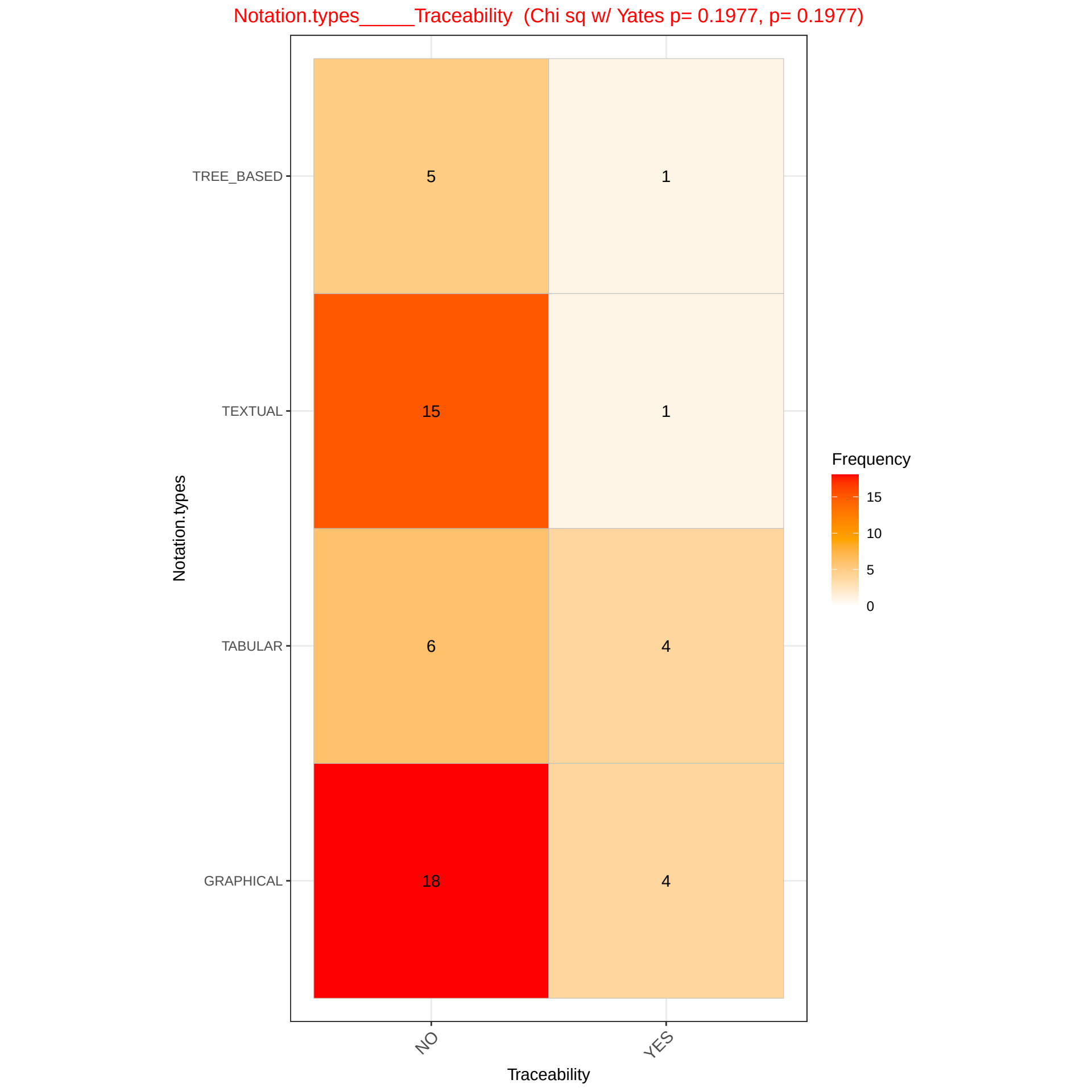

Notation.types_____Flexibility...language (Chi sq w/ Yates p= 0.9541, p= 0.9541)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
Notation.types
6
1
15
4
11
2
22
4
NO
YES
Flexibility...language
Frequency
20
15
10
5
0

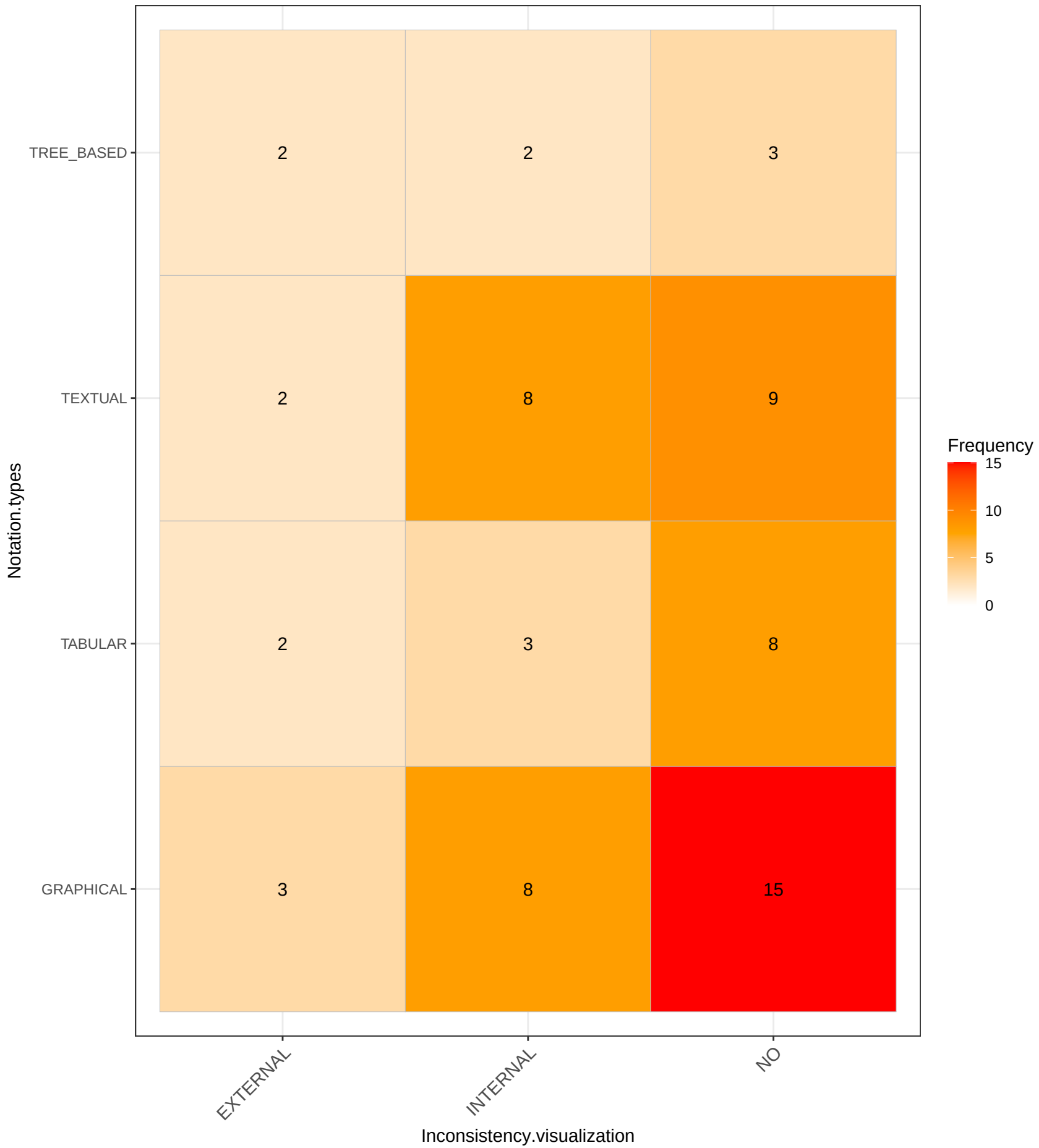

Notation.types_____Flexibility...persistence (Chi sq w/ Yates p= 0.9132, p= 0.9132)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
Notation.types
6
1
16
3
12
1
22
4
NO
YES
Flexibility...persistence
Frequency
20
15
10
5
0

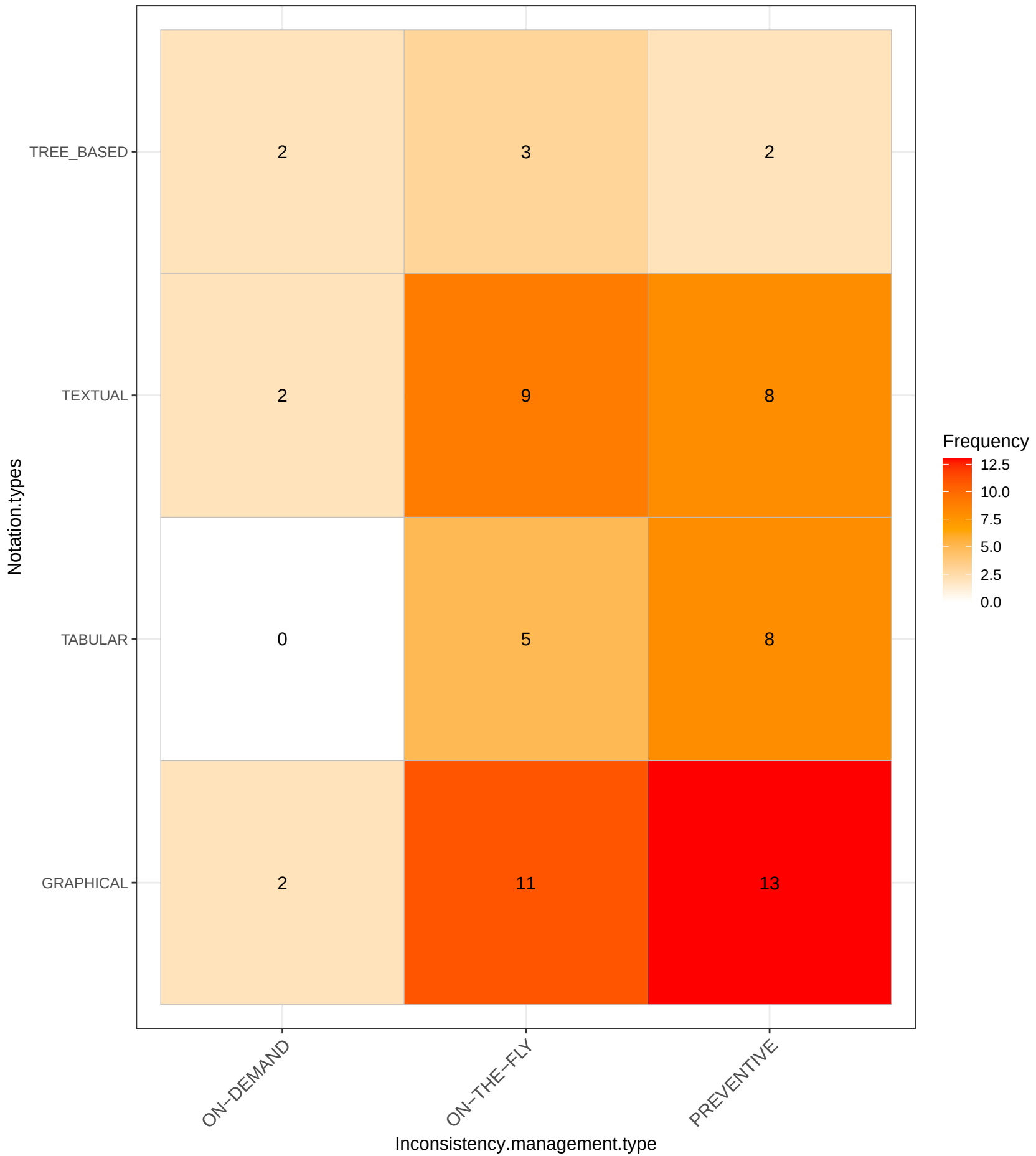

Notation.types_____Mapping (Chi sq w/ Yates p= 0.2764, p= 0.2764)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
Notation.types
6
1
18
1
9
4
22
4
Frequency
20
15
10
5
0
PARSER−BASE
PROJECTIONAL
Mapping

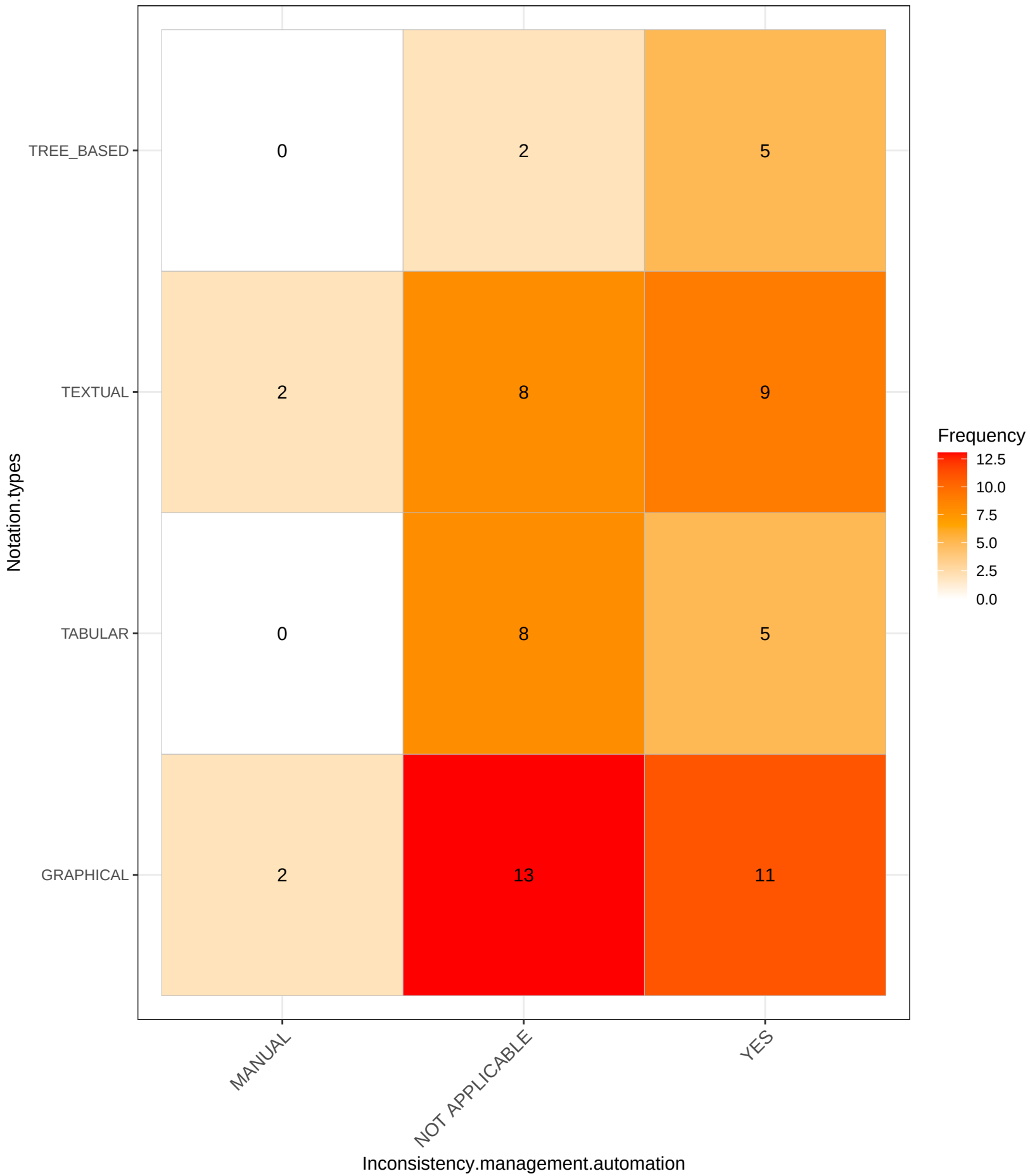

Notation.types_____Platform (Chi sq w/ Yates p= 0.4974, p= 0.4974)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
Notation.types
2
6
0
11
8
1
9
4
1
17
10
1
ADHOC
ECLIPSE
MPS
Platform
Frequency
16
12
8
4
0

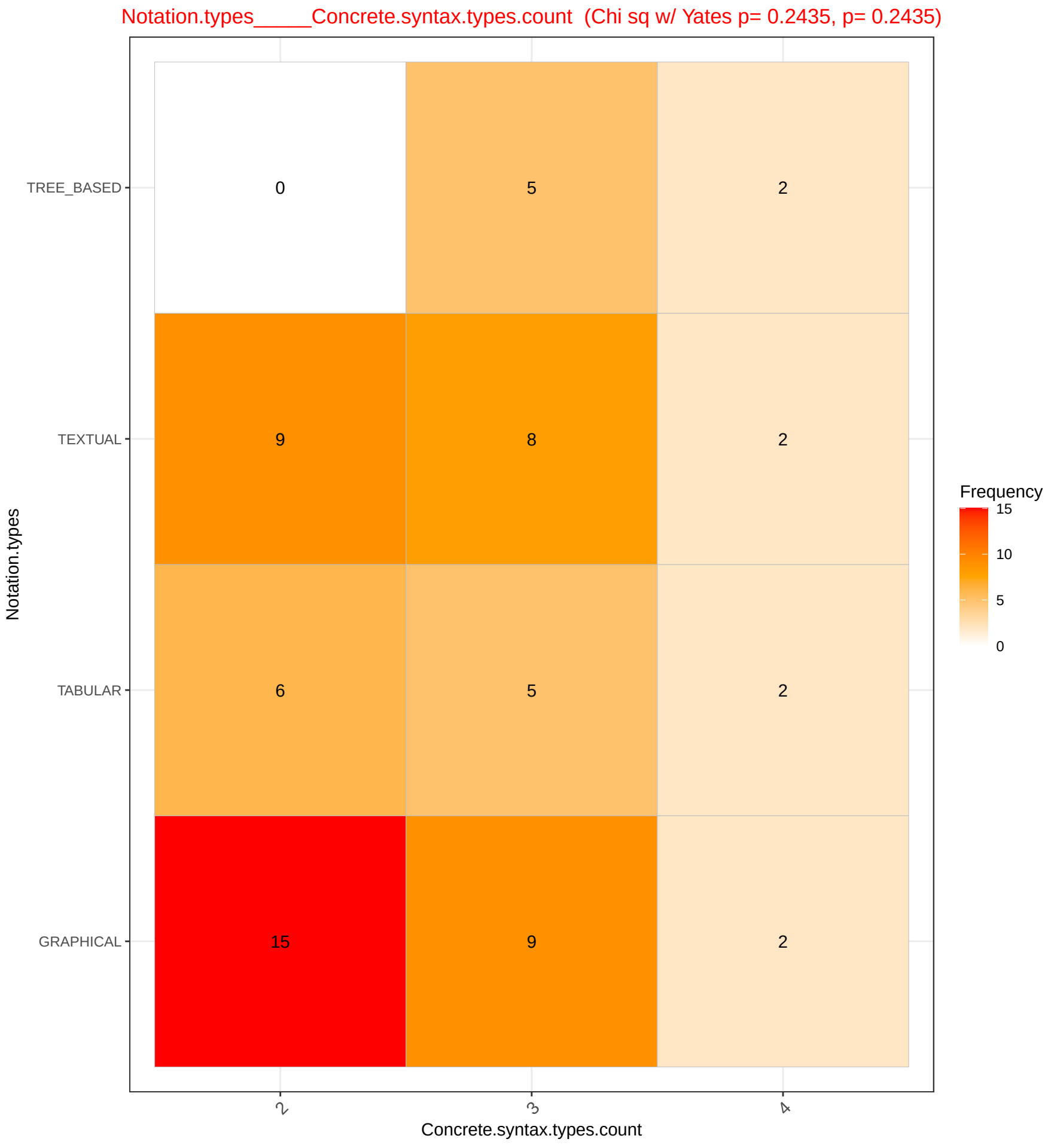

Notation.types_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
7
19
13
26
Notation.types
Frequency
25
20
15
10
5
0
SEQUENTIAL
Change.propagation

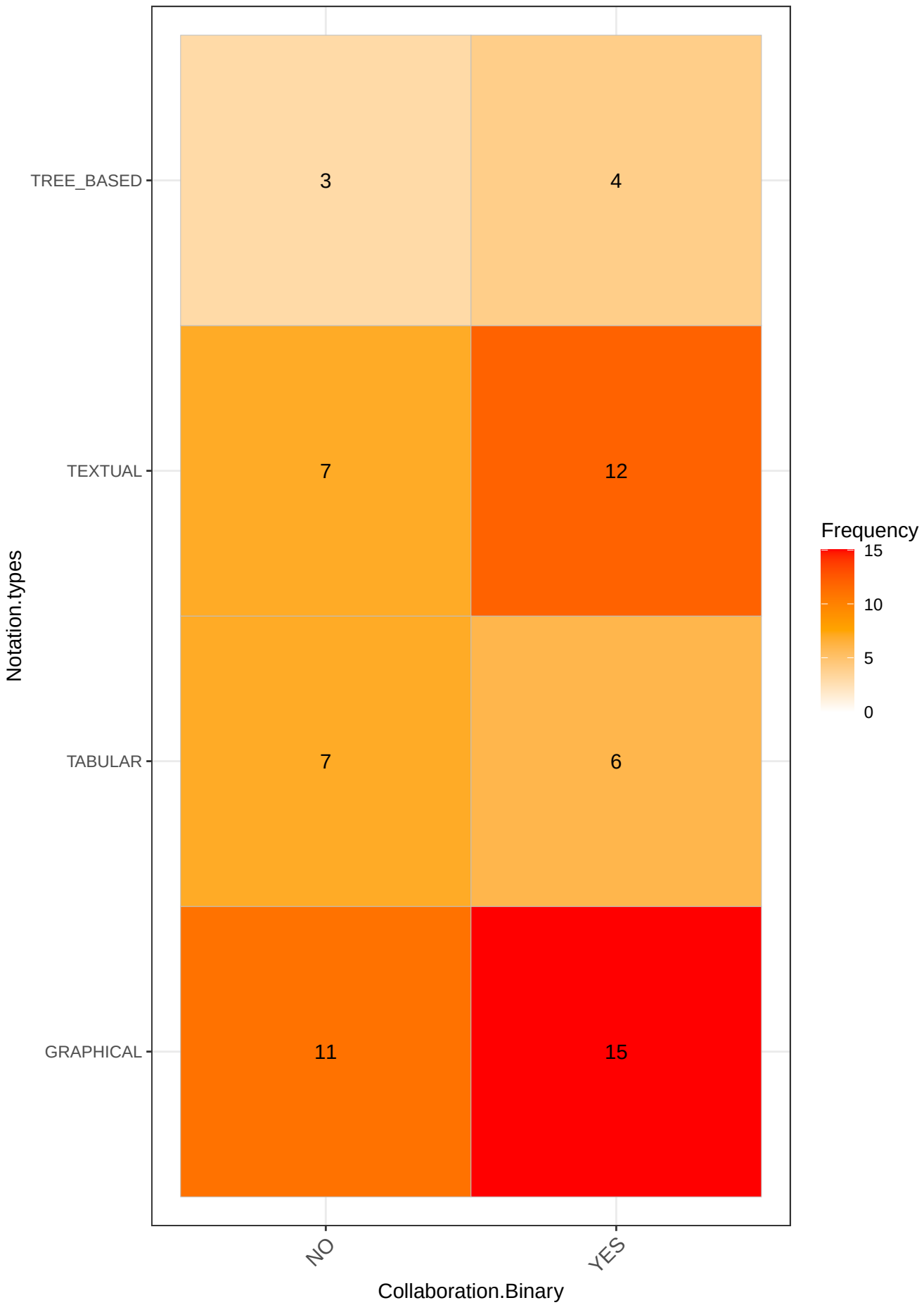

Notation.types_____Traceability (Chi sq w/ Yates p= 0.1977, p= 0.1977)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
Notation.types
5
1
15
1
6
4
18
4
NO
YES
Traceability
Frequency
15
10
5
0

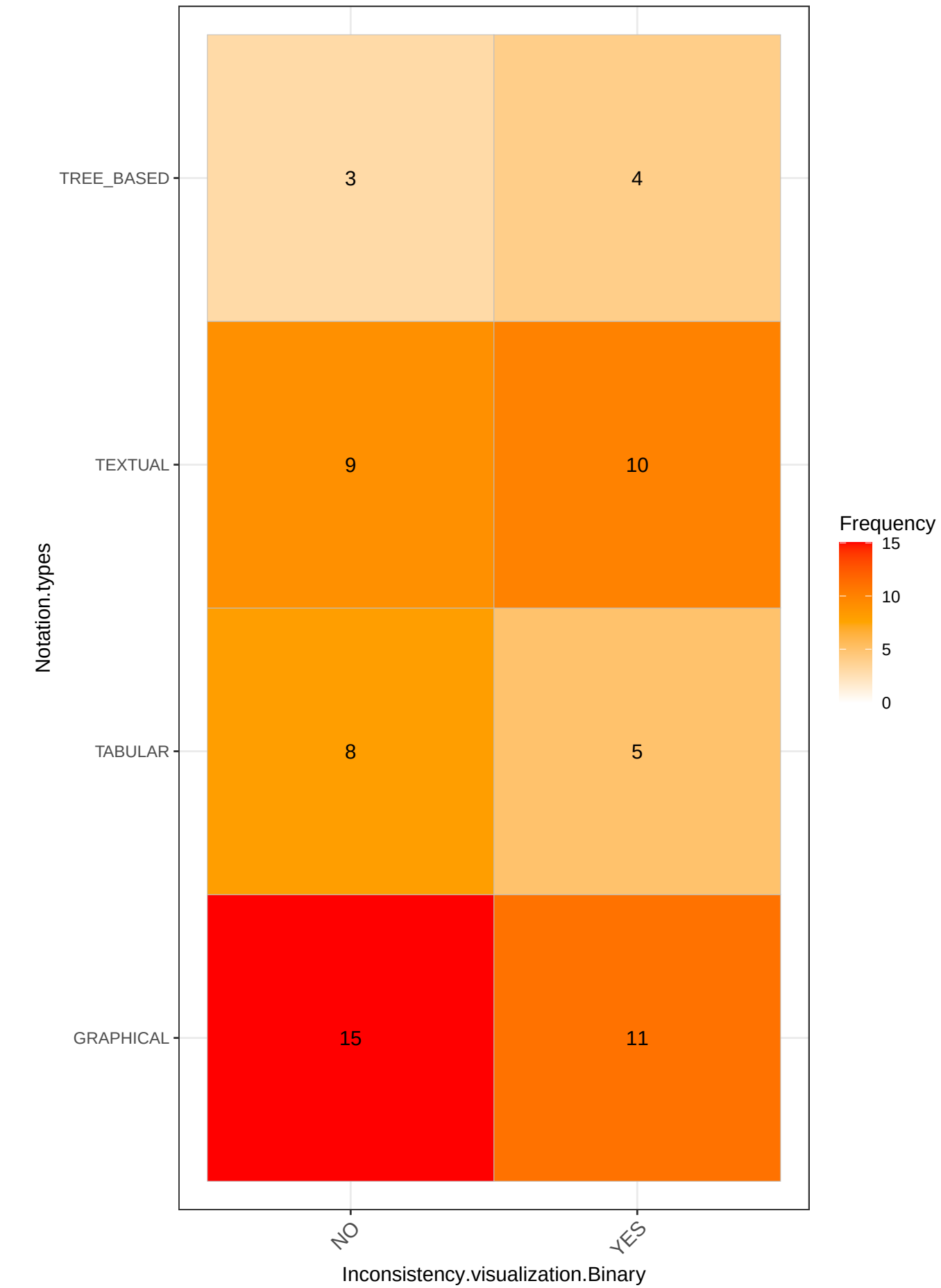

Notation.types_____Inconsistency.visualization (Chi sq w/ Yates p= 0.828, p= 0.828)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
Notation.types
2
2
3
2
8
9
2
3
8
3
8
15
EXTERNAL
INTERNAL
NO
Inconsistency.visualization
Frequency
15
10
5
0


Notation.types_____Inconsistency.management.type (Chi sq w/ Yates p= 0.4815, p= 0.4815)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
Notation.types
2
3
2
2
9
8
0
5
8
2
11
13
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

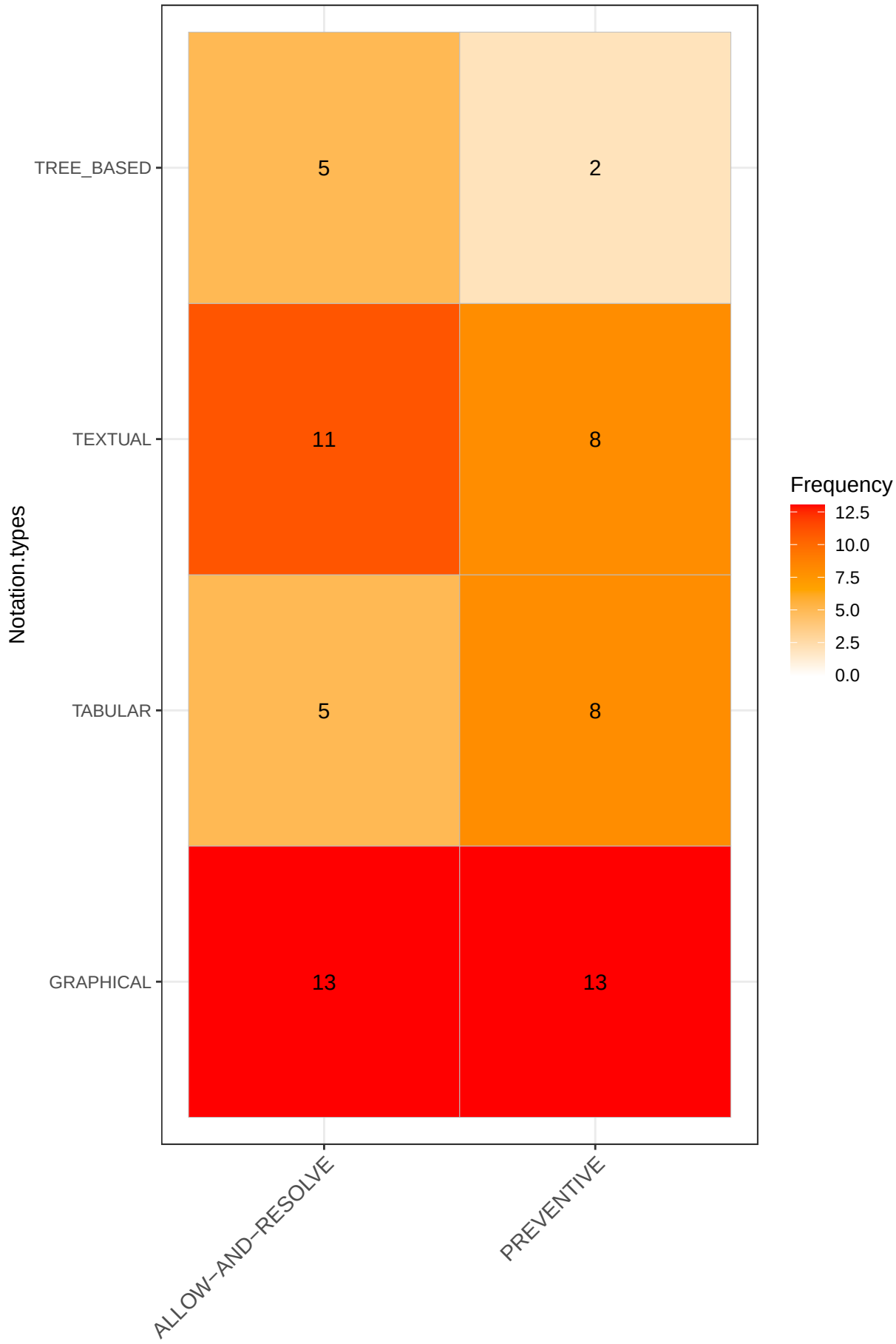

Notation.types_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.6283, p= 0.6283)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
0
2
5
2
8
9
0
8
5
2
13
11
Notation.types
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

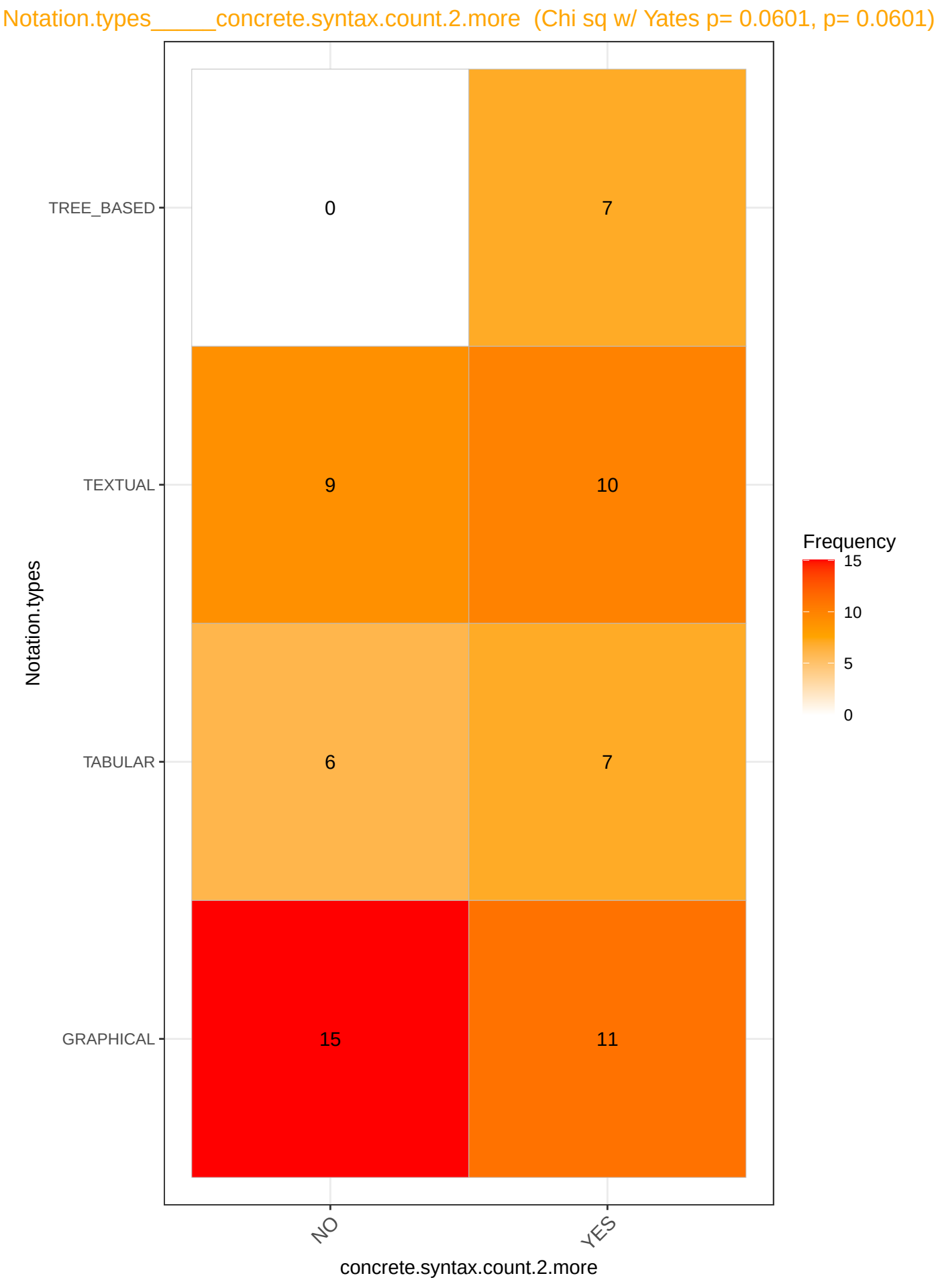

Notation.types_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.2435, p= 0.2435)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
0
5
2
9
8
2
6
5
2
15
9
2
Notation.types
2
3
4
Concrete.syntax.types.count
Frequency
15
10
5
0


Notation.types_____Collaboration.Binary (Chi sq w/ Yates p= 0.82, p= 0.82)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
Notation.types
3
4
7
12
7
6
11
15
NO
YES
Collaboration.Binary
Frequency
15
10
5
0

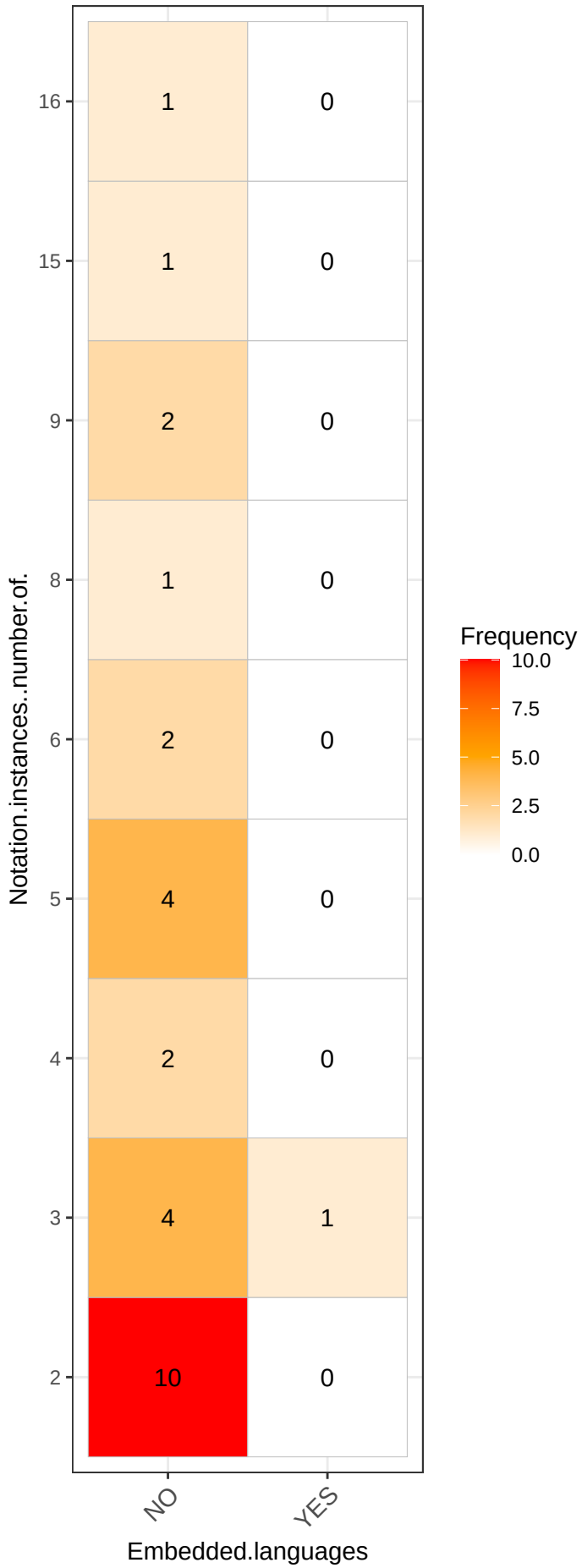

Notation.types_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.771, p= 0.771)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
3
4
9
10
8
5
15
11
Notation.types
NO
YES
Inconsistency.visualization.Binary
Frequency
15
10
5
0

Notation.types_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.509, p= 0.509)

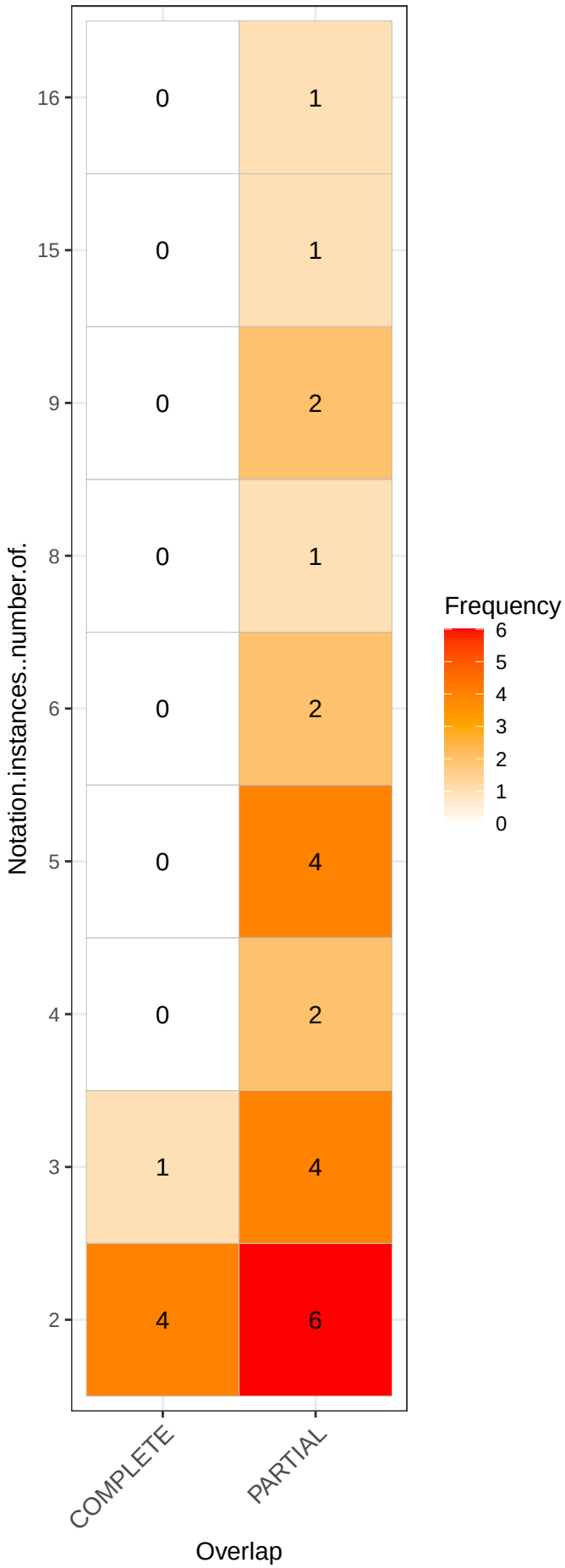



Notation.types_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.0601, p= 0.0601)
TREE_BASED
TEXTUAL
TABULAR
GRAPHICAL
Notation.types
0
7
9
10
6
7
15
11
NO
YES
concrete.syntax.count.2.more
Frequency
15
10
5
0

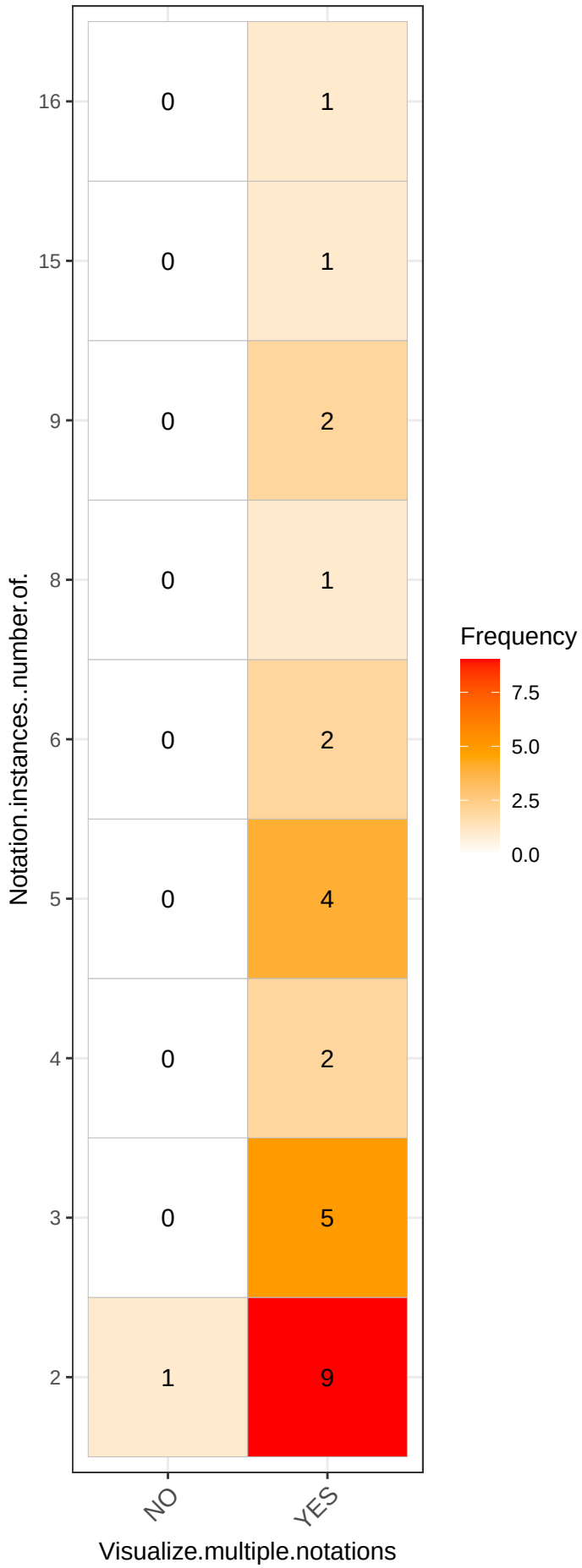
Notation.instances..number.of._____Embedded.languages (Chi sq w/ Yates p= 0.7818, p= 0.7818)



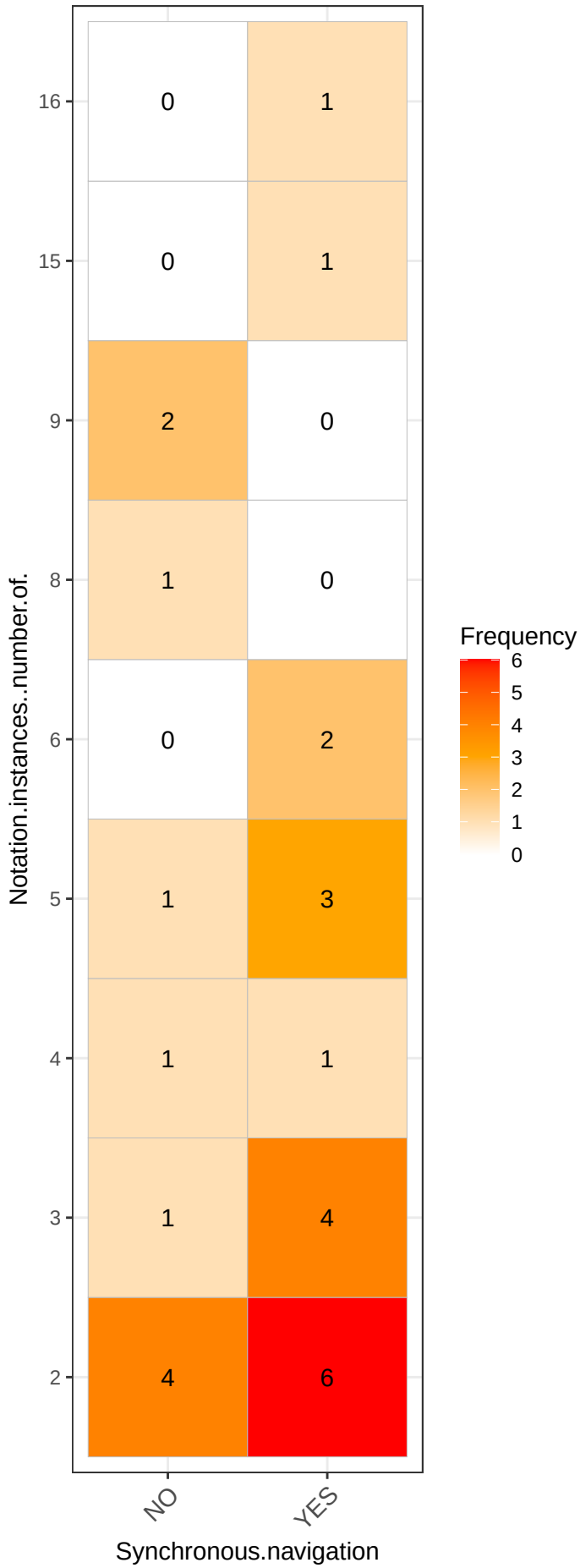
Notation.instances..number.of._____Overlap (Chi sq w/ Yates p= 0.6266, p= 0.6266)



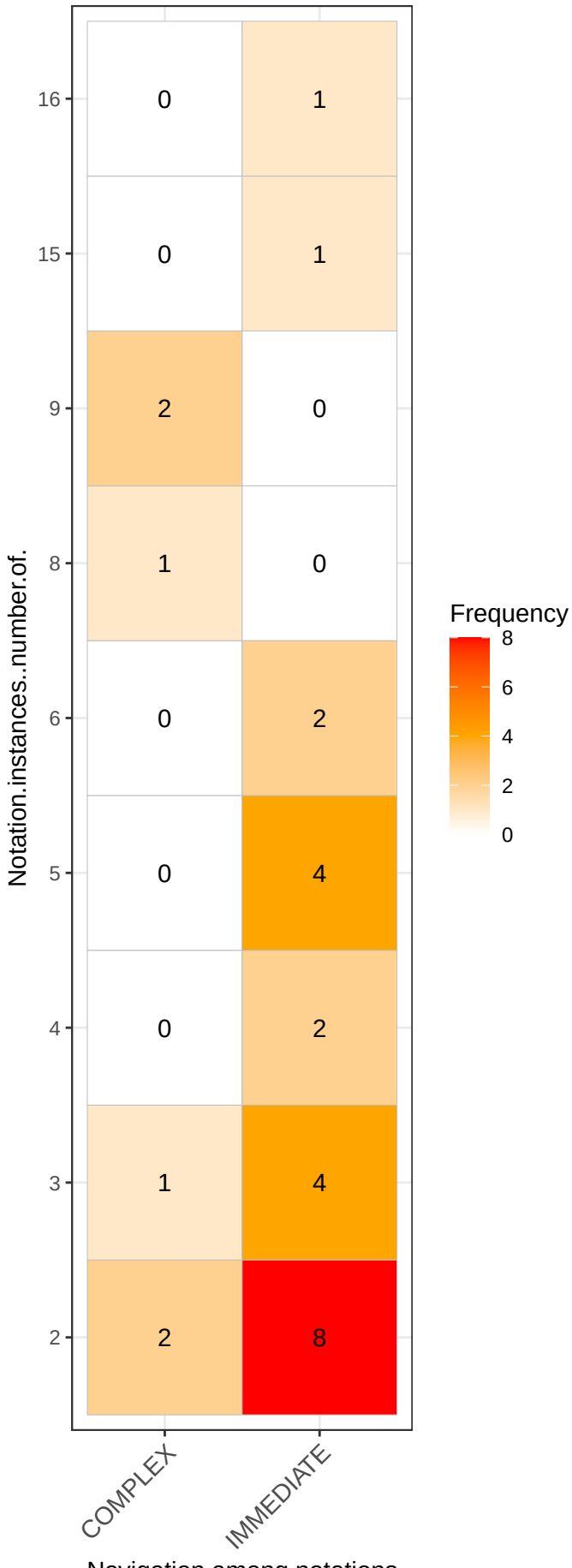
Notation.instances..number.of._____Visualize.multiple.notations (Chi sq w/ Yates p= 0.9848, p= 0.9848)



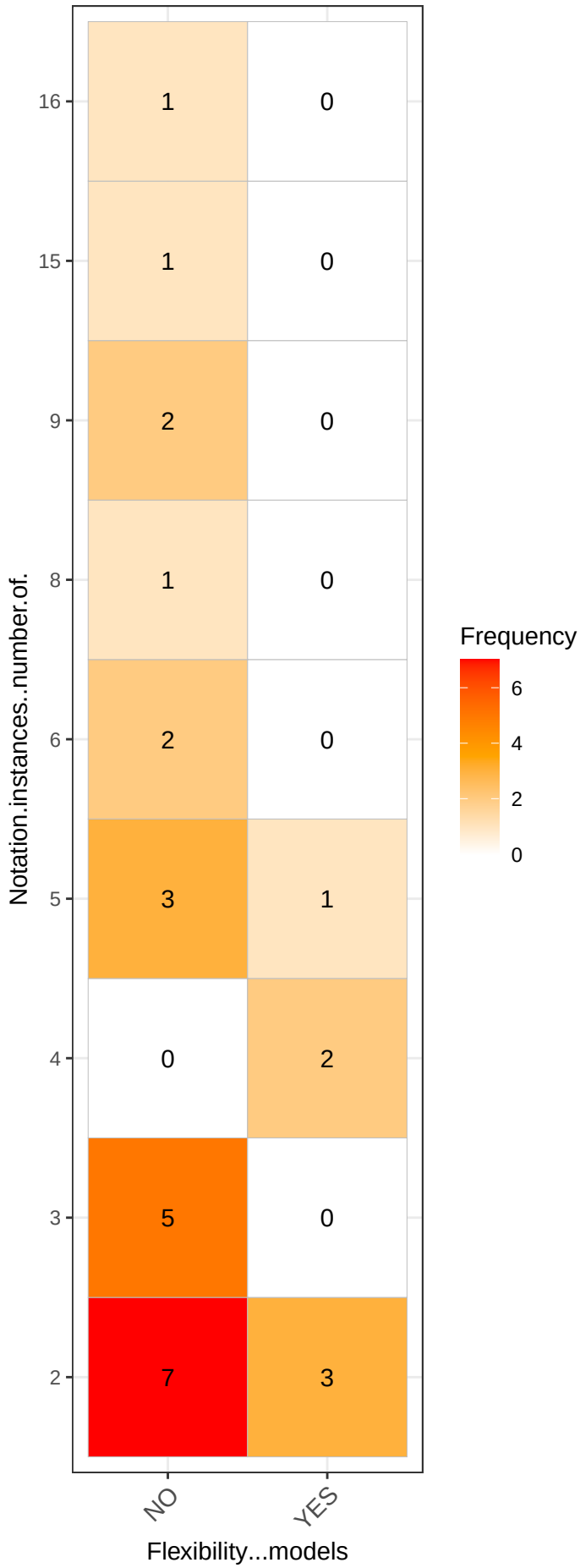
Notation.instances..number.of._____Synchronous.navigation (Chi sq w/ Yates p= 0.3756, p= 0.3756)



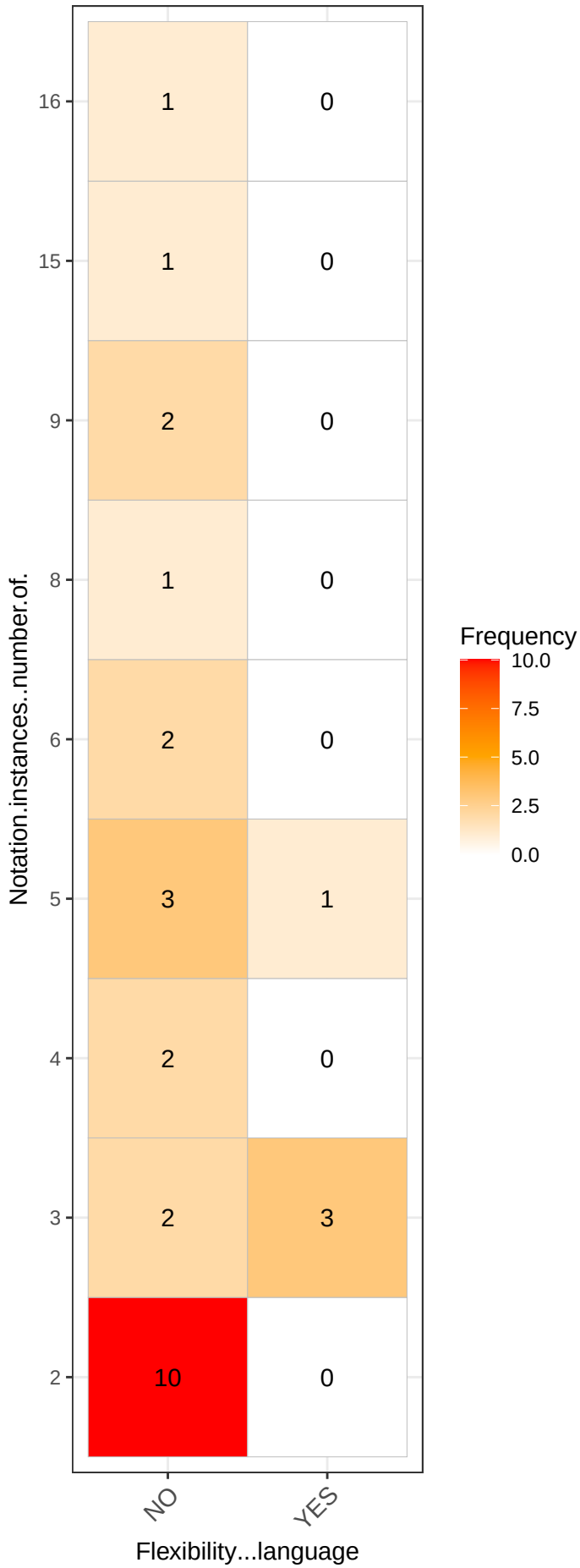
Notation.instances..number.of._____Navigation.among.notations (Chi sq w/ Yates p= 0.0886, p= 0.0886)



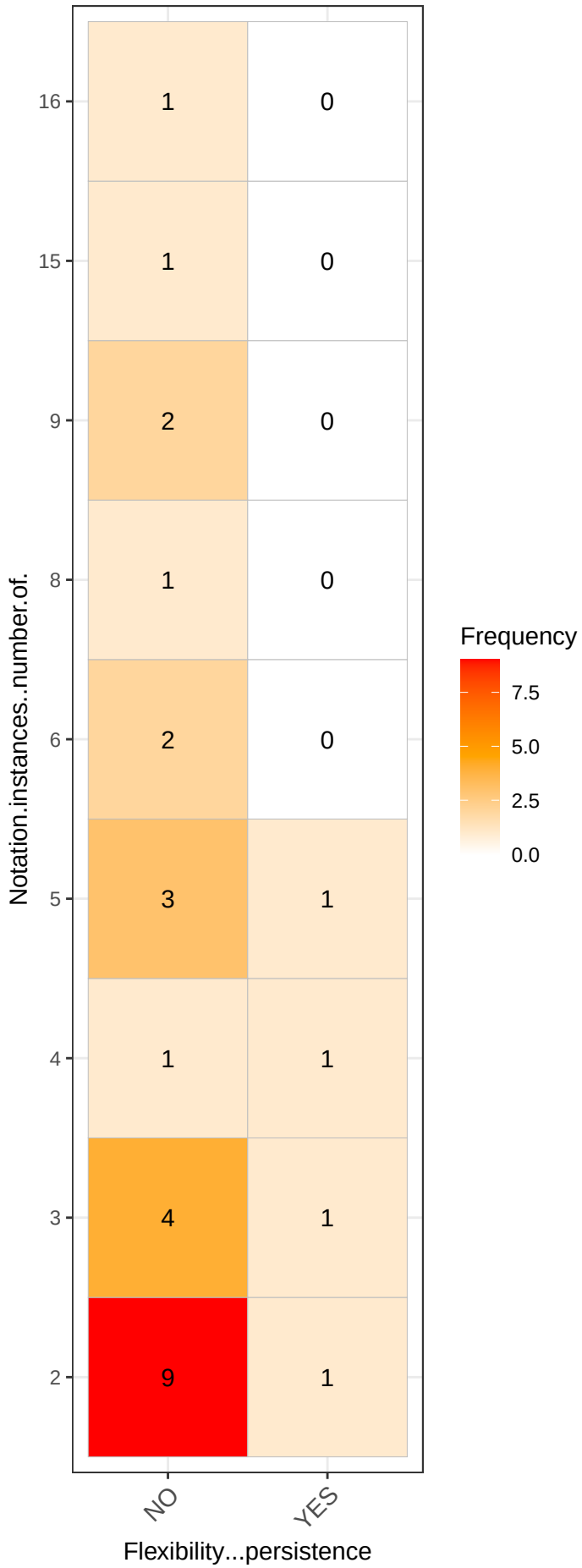
Notation.instances..number.of._____Flexibility...models (Chi sq w/ Yates p= 0.1976, p= 0.1976)



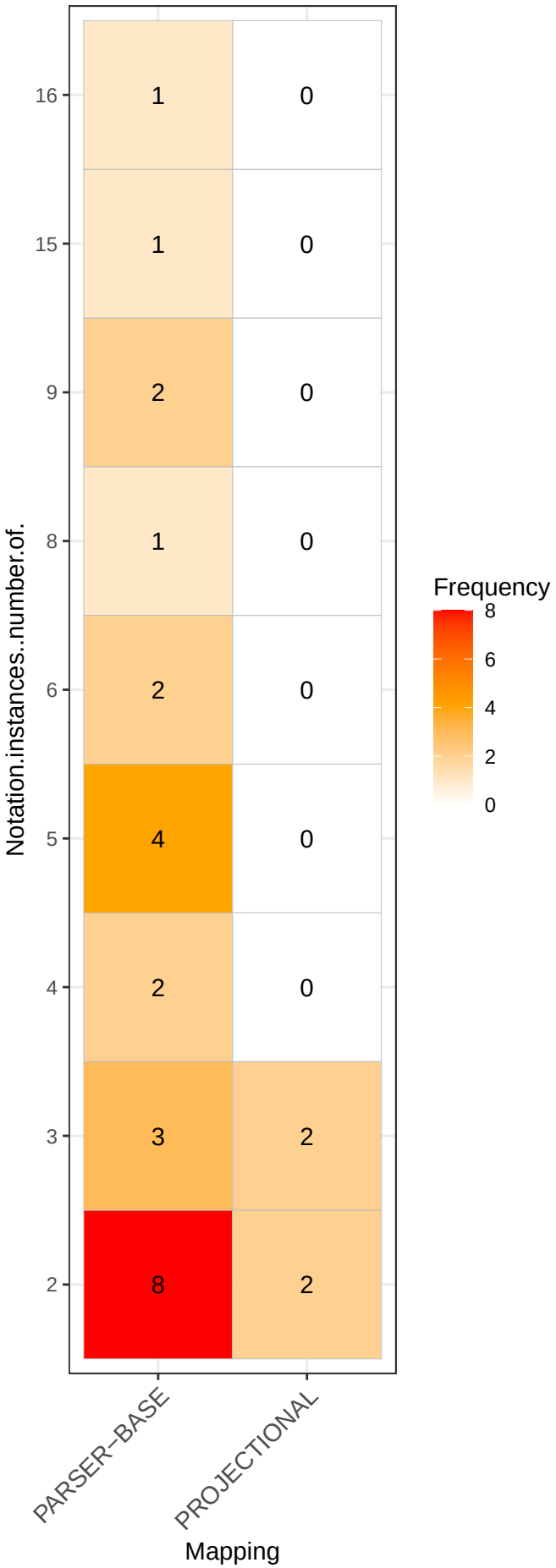
Notation.instances..number.of._____Flexibility...language (Chi sq w/ Yates p= 0.1479, p= 0.1479)



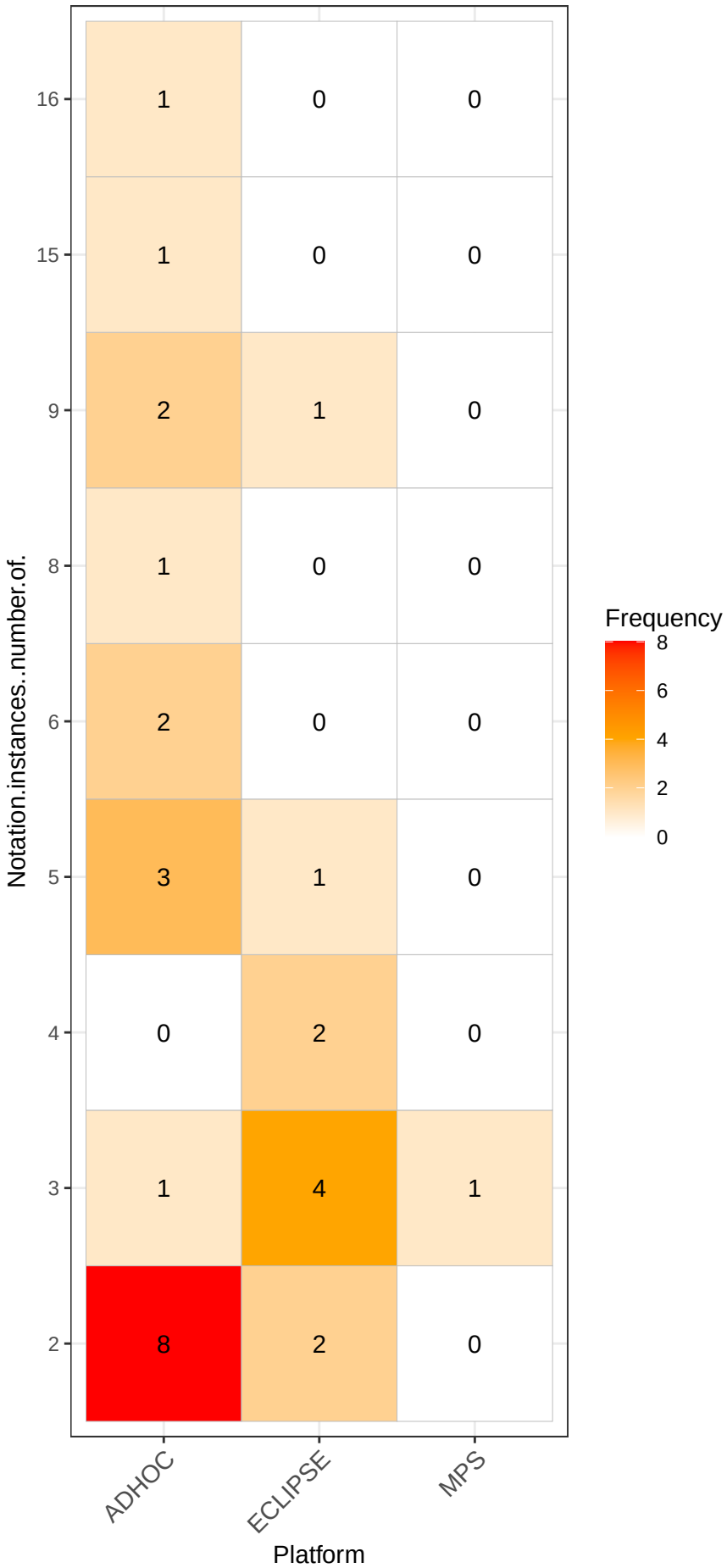
Notation.instances..number.of._____Flexibility...persistence (Chi sq w/ Yates p= 0.8653, p= 0.8653)



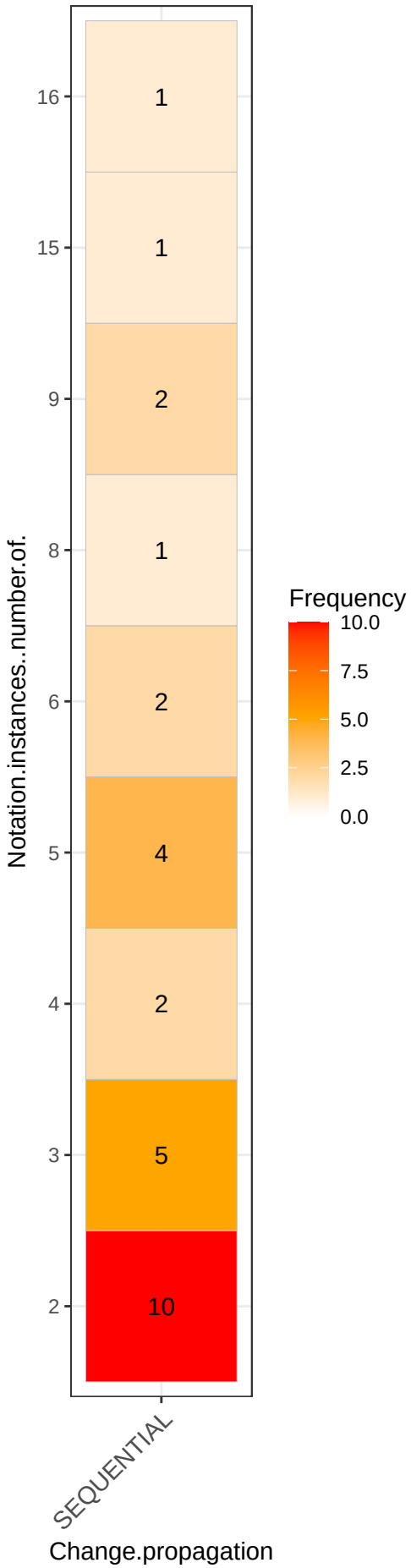
Notation.instances..number.of._____Mapping (Chi sq w/ Yates p= 0.7432, p= 0.7432)



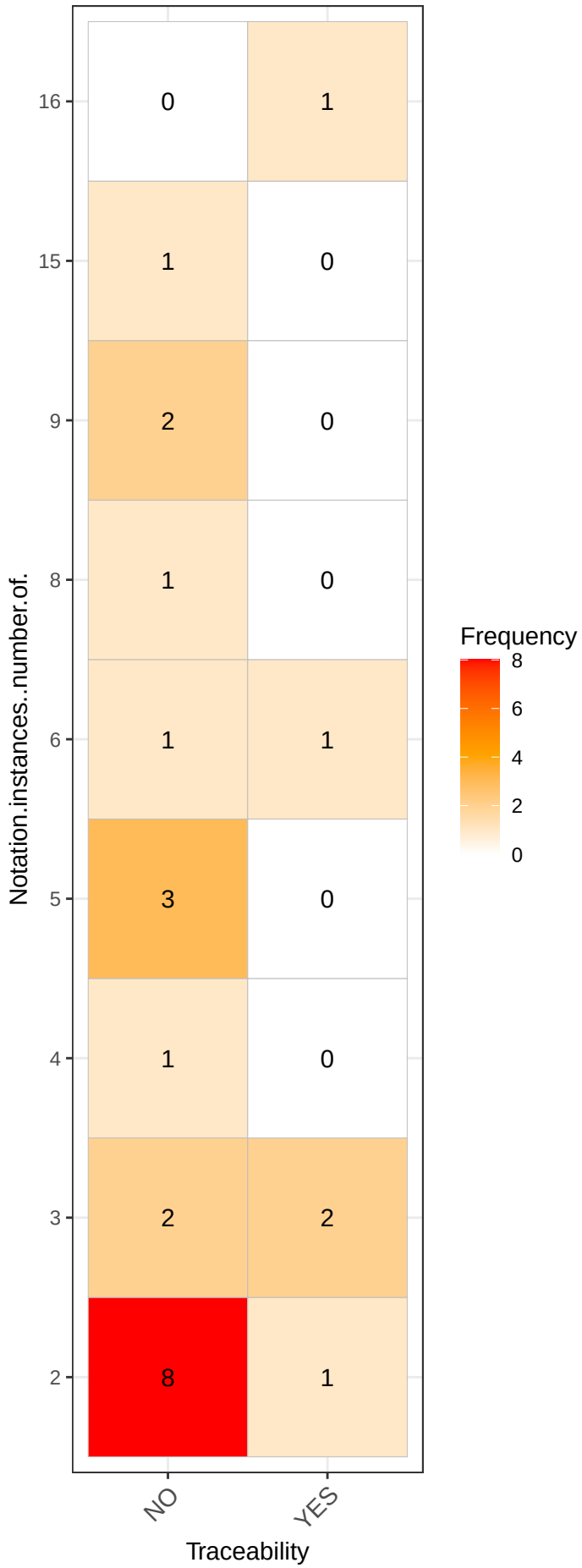
Notation.instances..number.of._____Platform (Chi sq w/ Yates p= 0.462, p= 0.462)



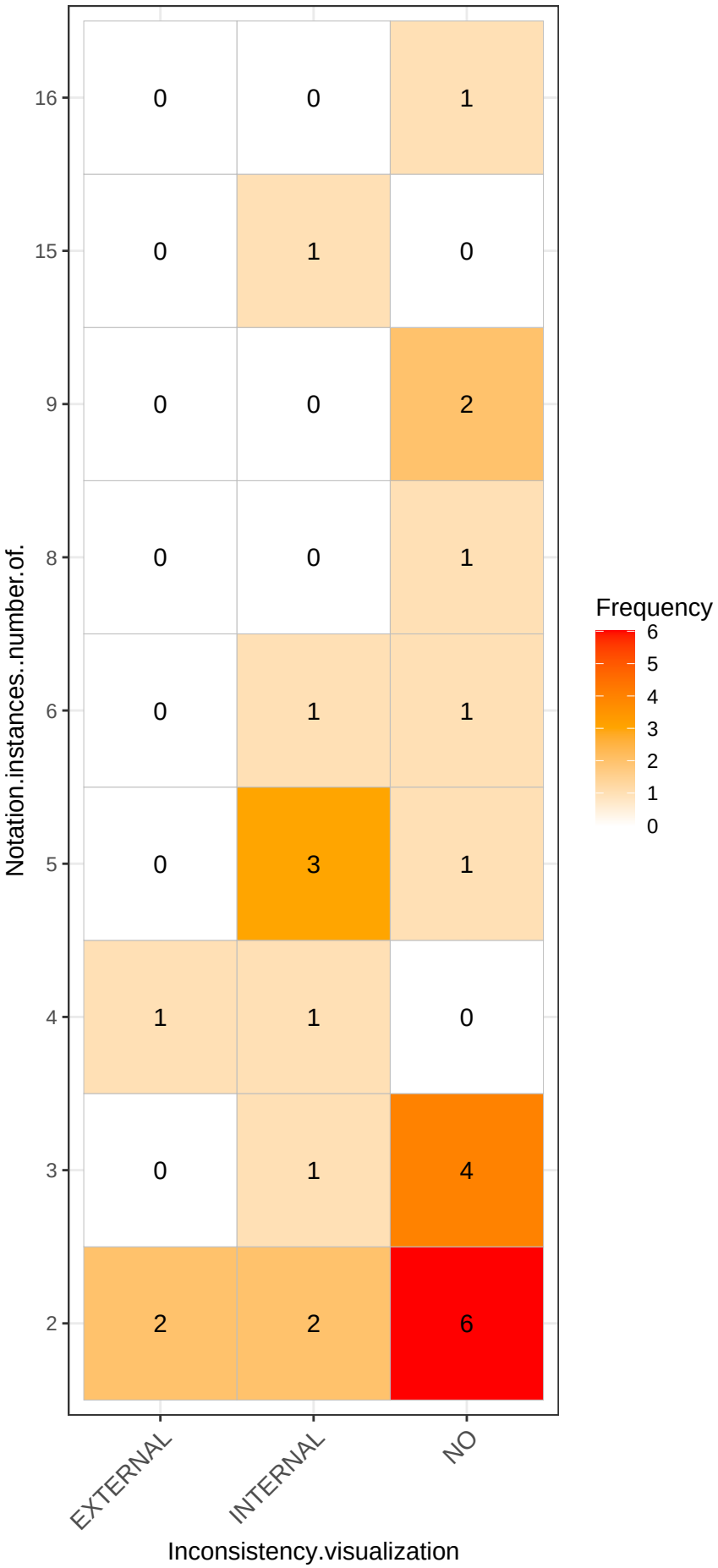
Notation.instances..number.of._____Change.propagation (Chi sq w/ Yates p= 1, p= 1)



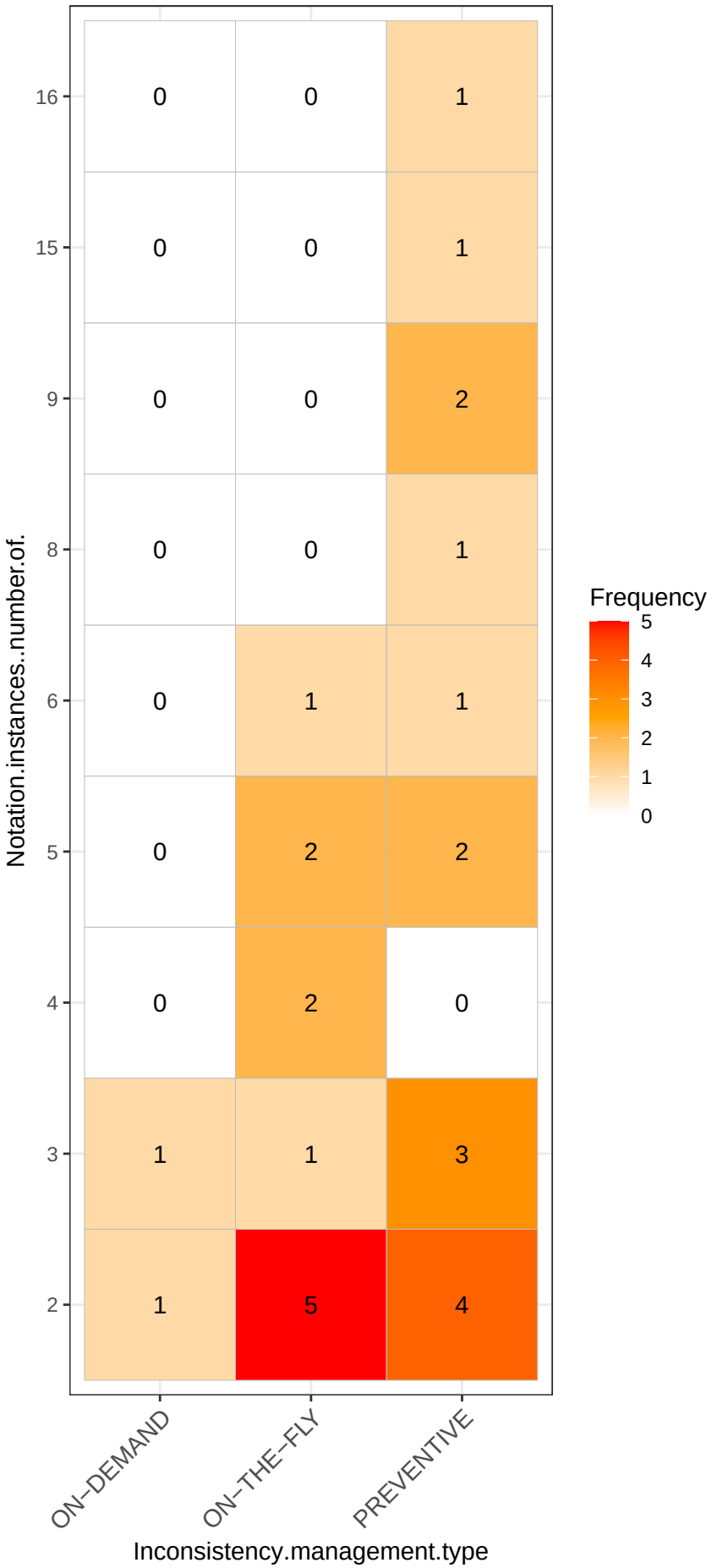
Notation.instances..number.of._____Traceability (Chi sq w/ Yates p= 0.3007, p= 0.3007)



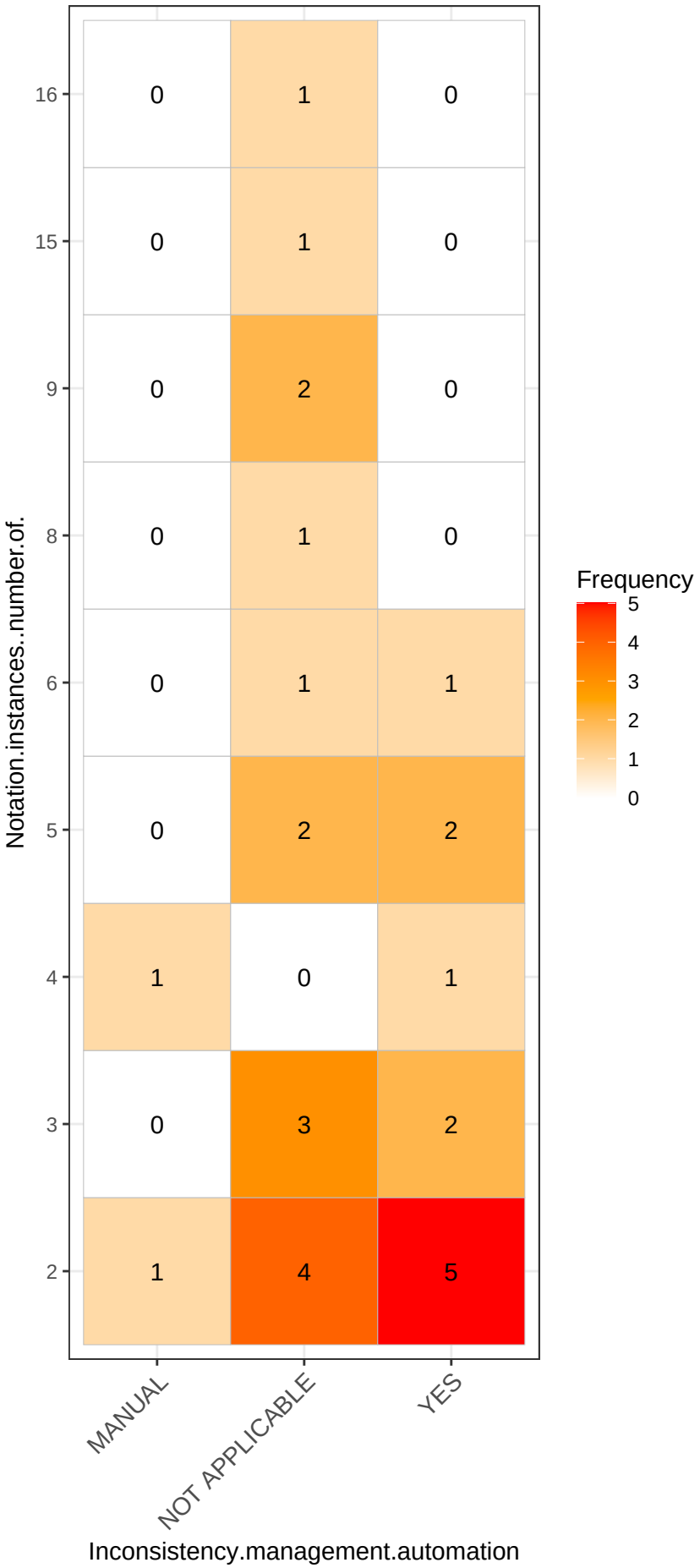
Notation.instances..number.of._____Inconsistency.visualization (Chi sq w/ Yates p= 0.474, p= 0.474)



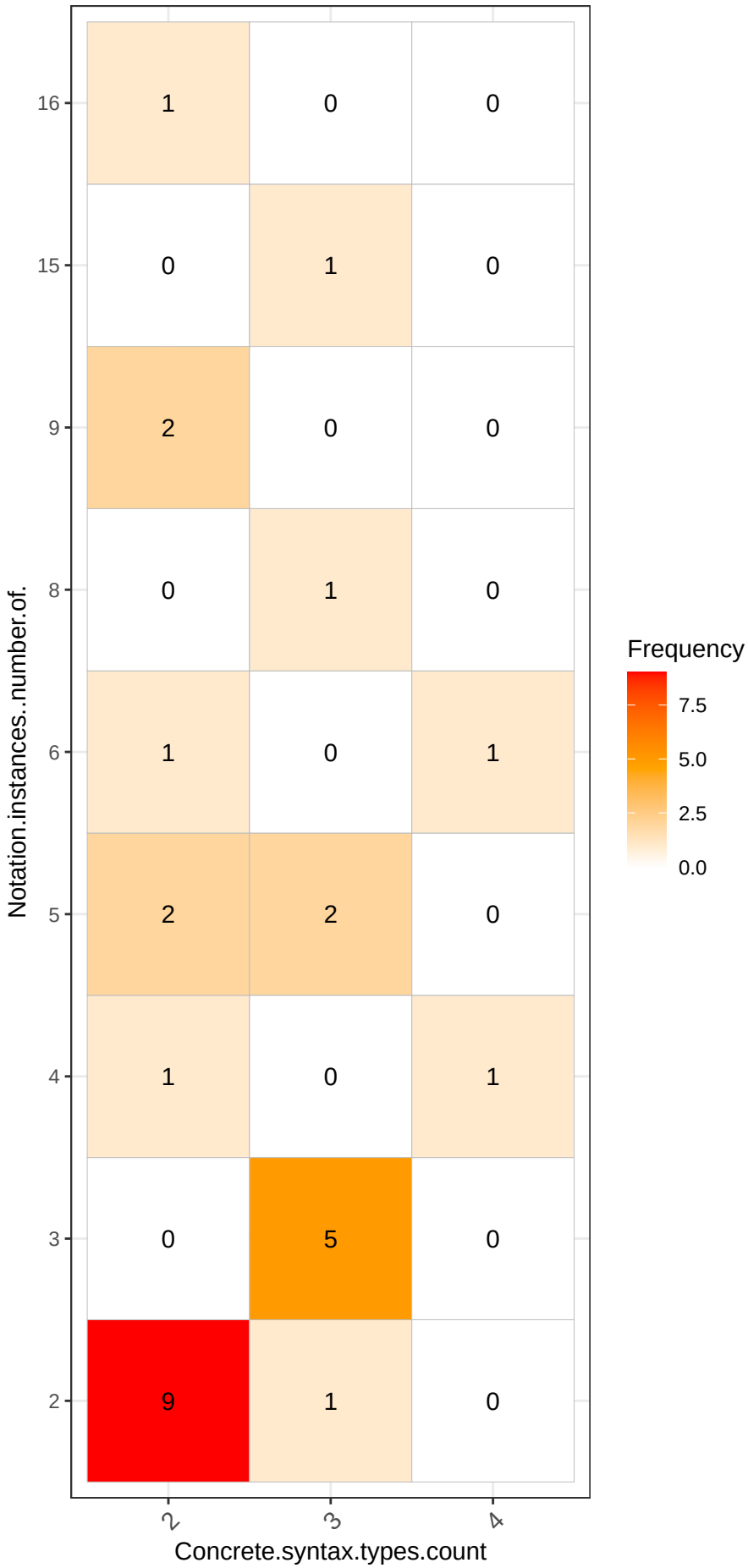
Notation.instances..number.of._____Inconsistency.management.type (Chi sq w/ Yates p= 0.8414, p= 0.8414)



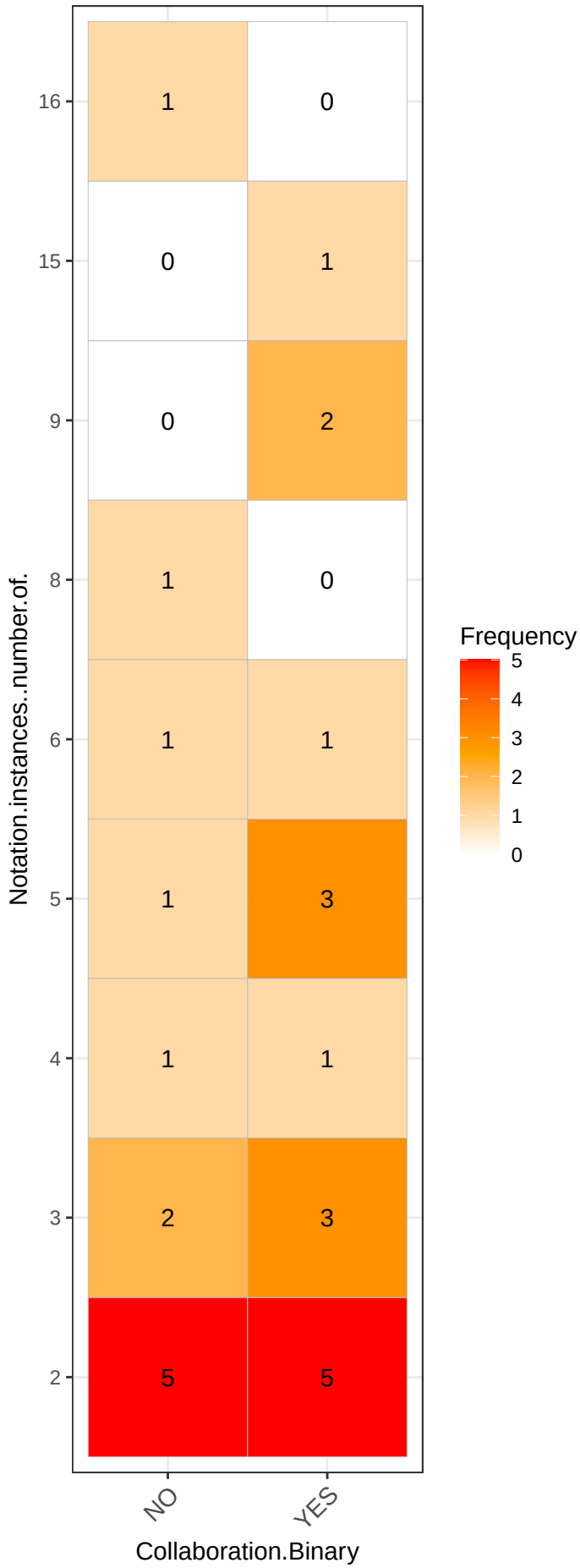
Notation.instances..number.of._____Inconsistency.management.automation (Chi sq w/ Yates p= 0.7181, p= 0.7181)



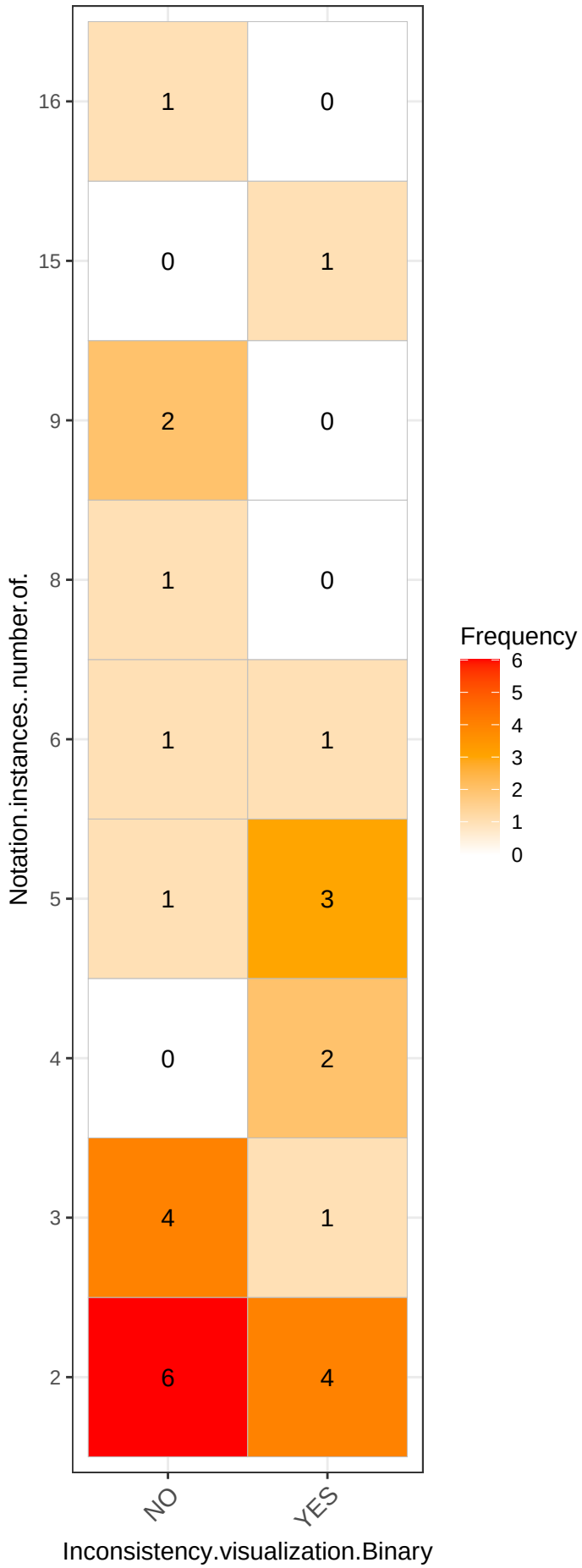
Notation.instances..number.of._____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.0113, p= 0.0113)



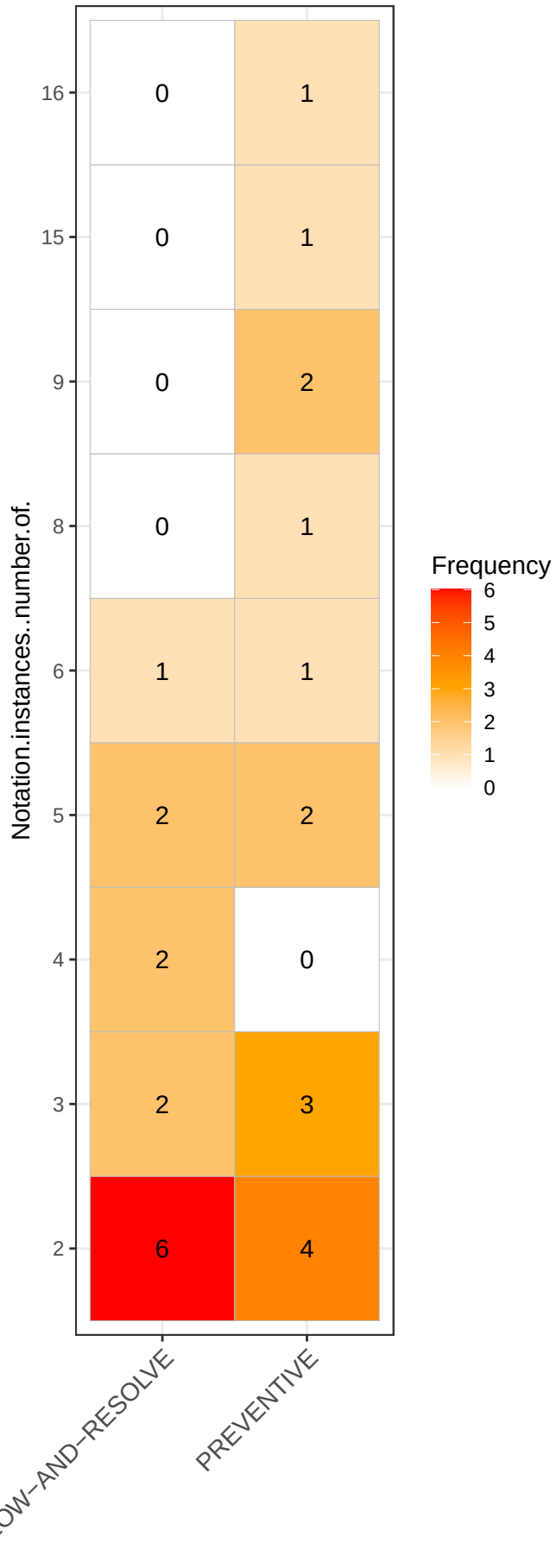
Notation.instances..number.of._____Collaboration.Binary (Chi sq w/ Yates p= 0.6757, p= 0.6757)



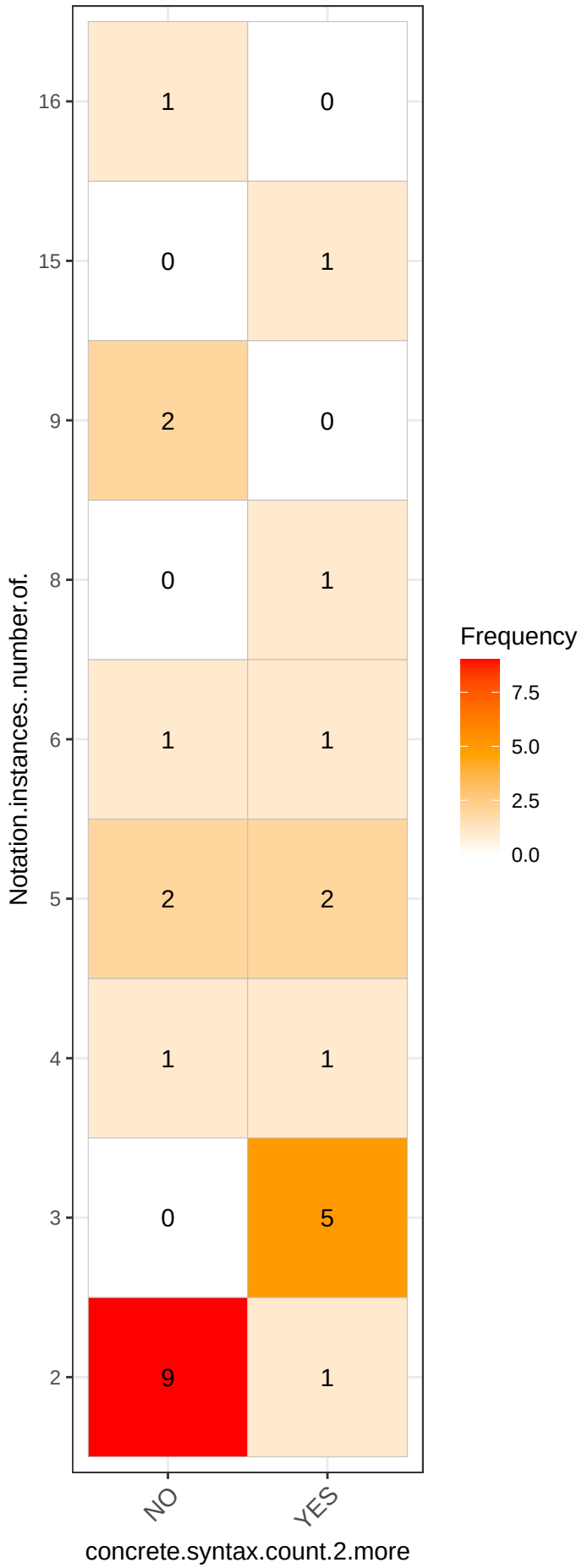
Notation.instances..number.of._____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.2772, p= 0.2772)

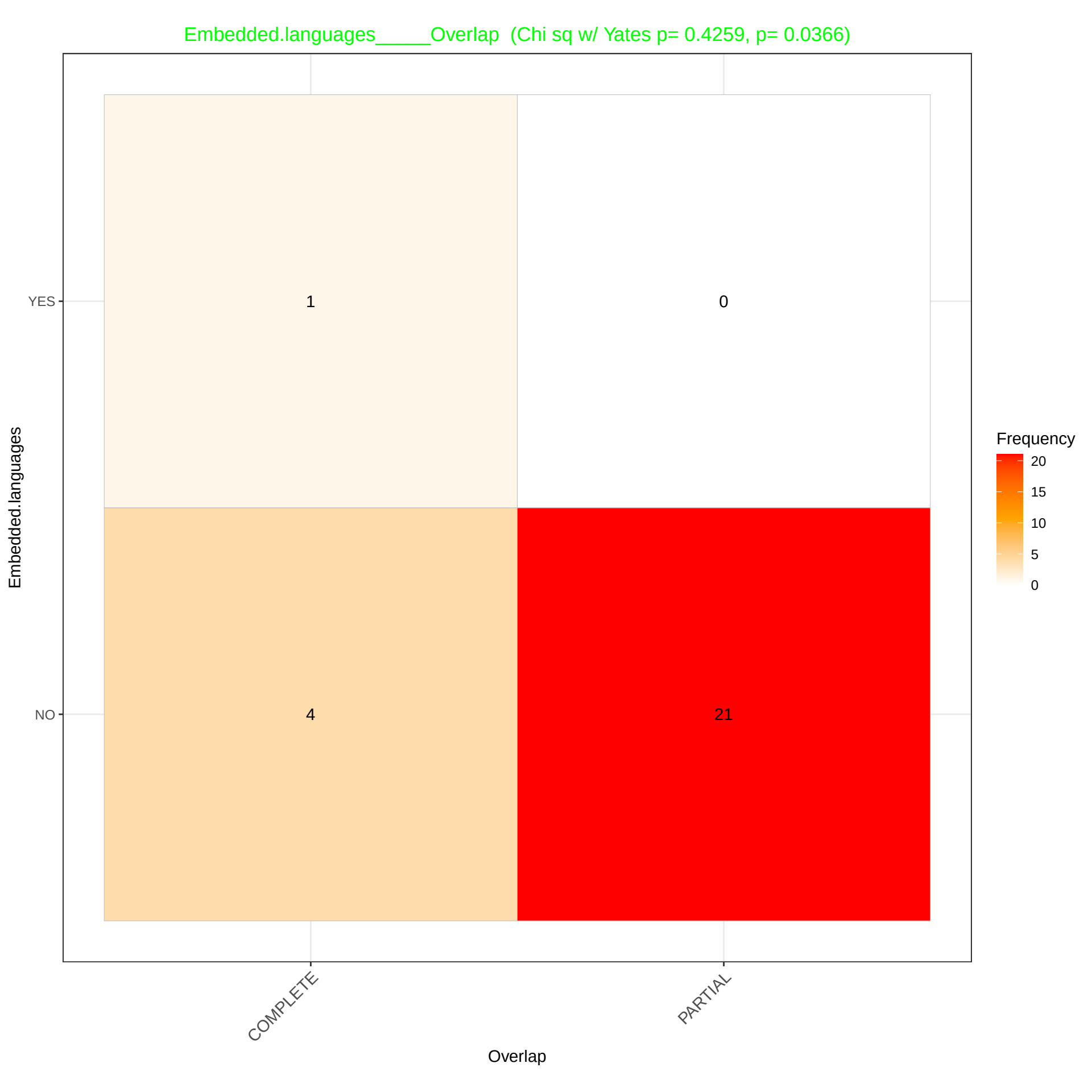


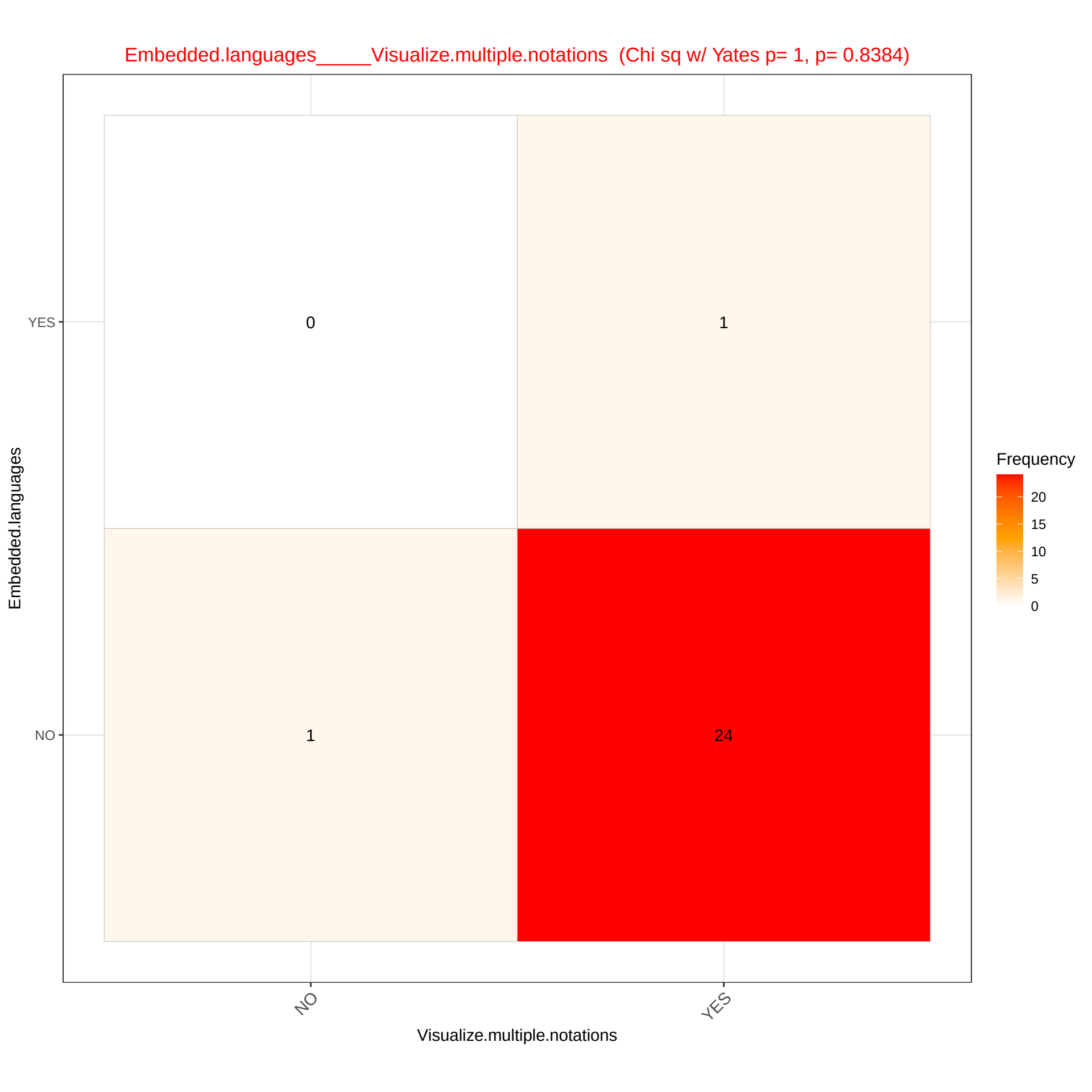
Notation.instances..number.of._____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.4842, p= 0.4842)

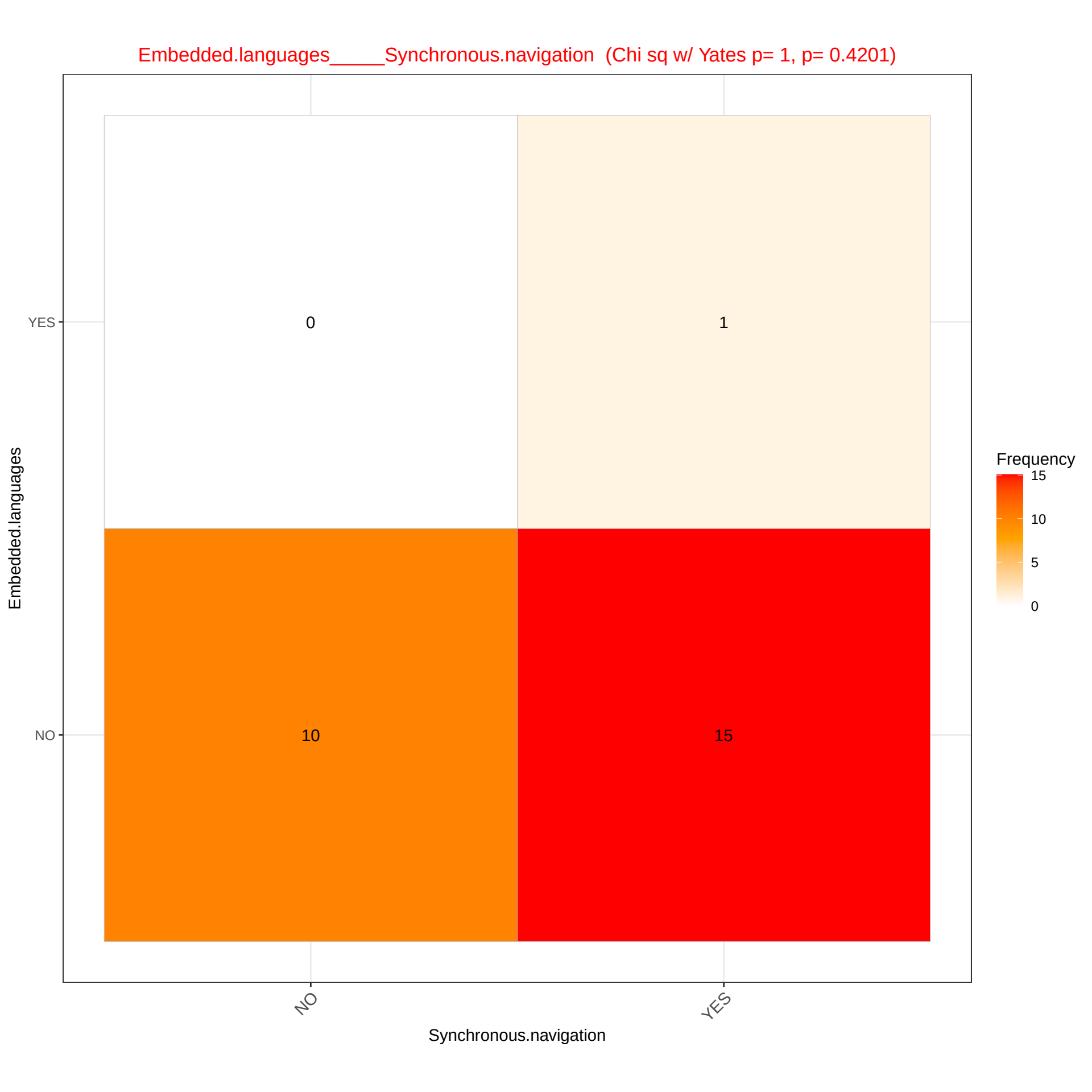


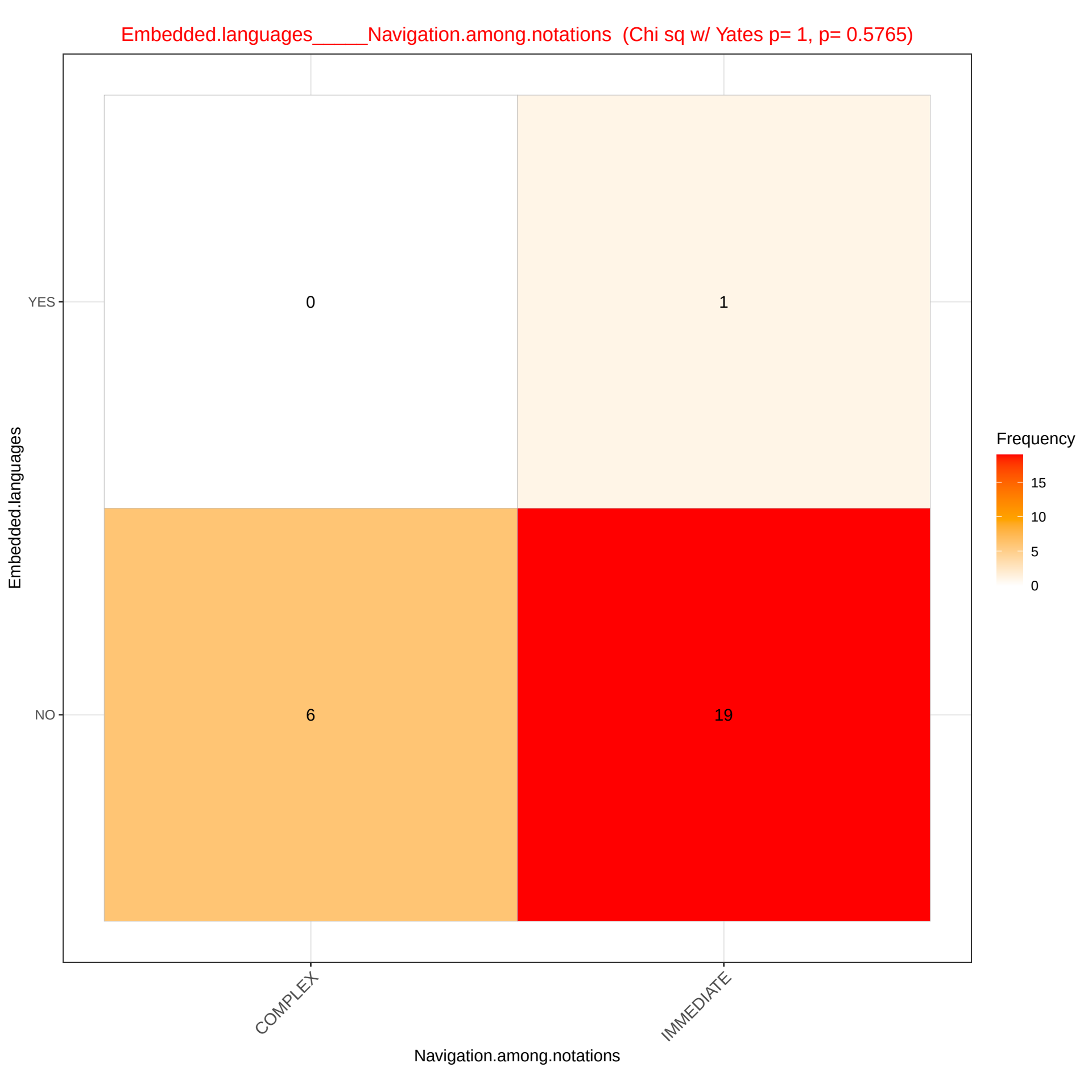
Notation.instances..number.of._____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.0402, p= 0.0402)

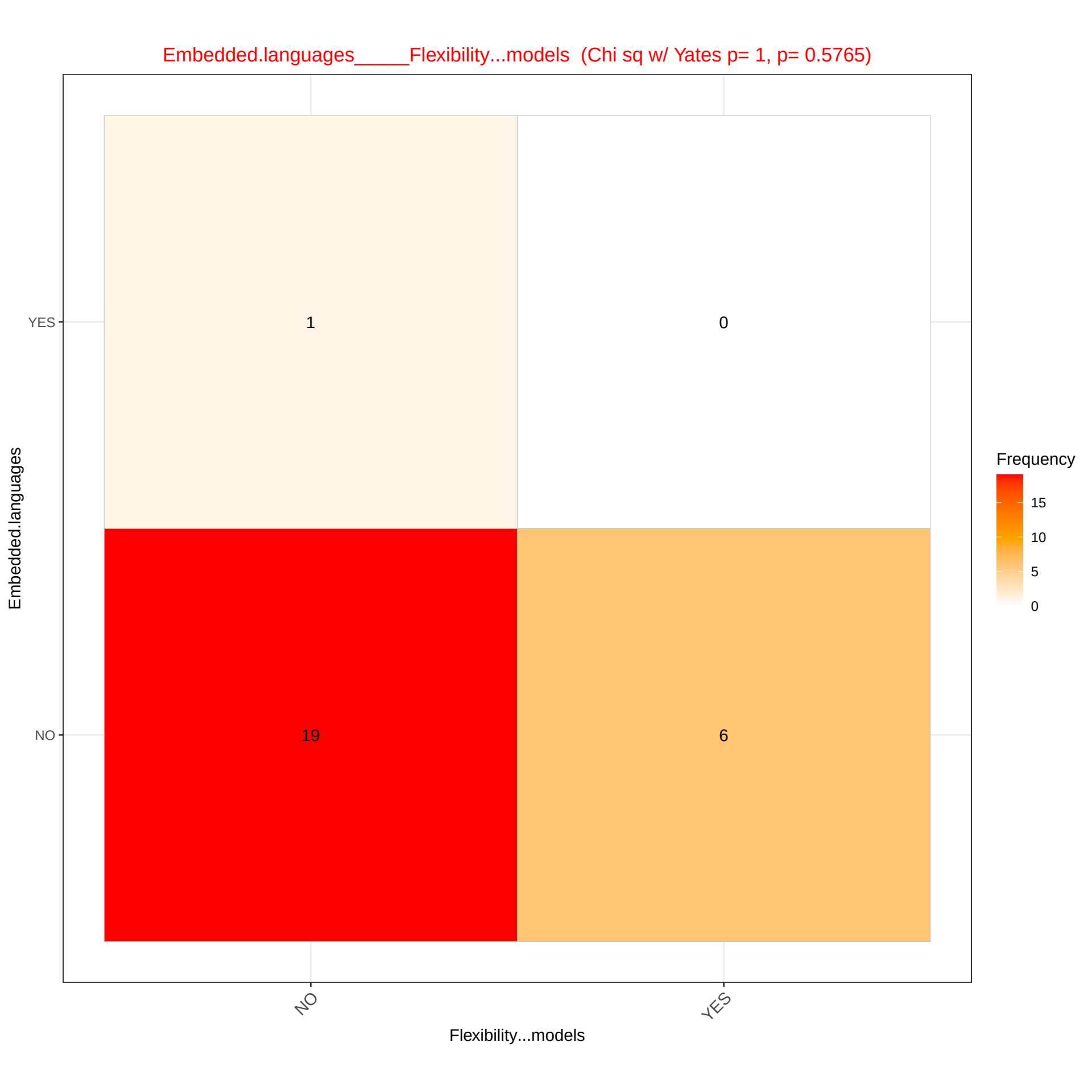


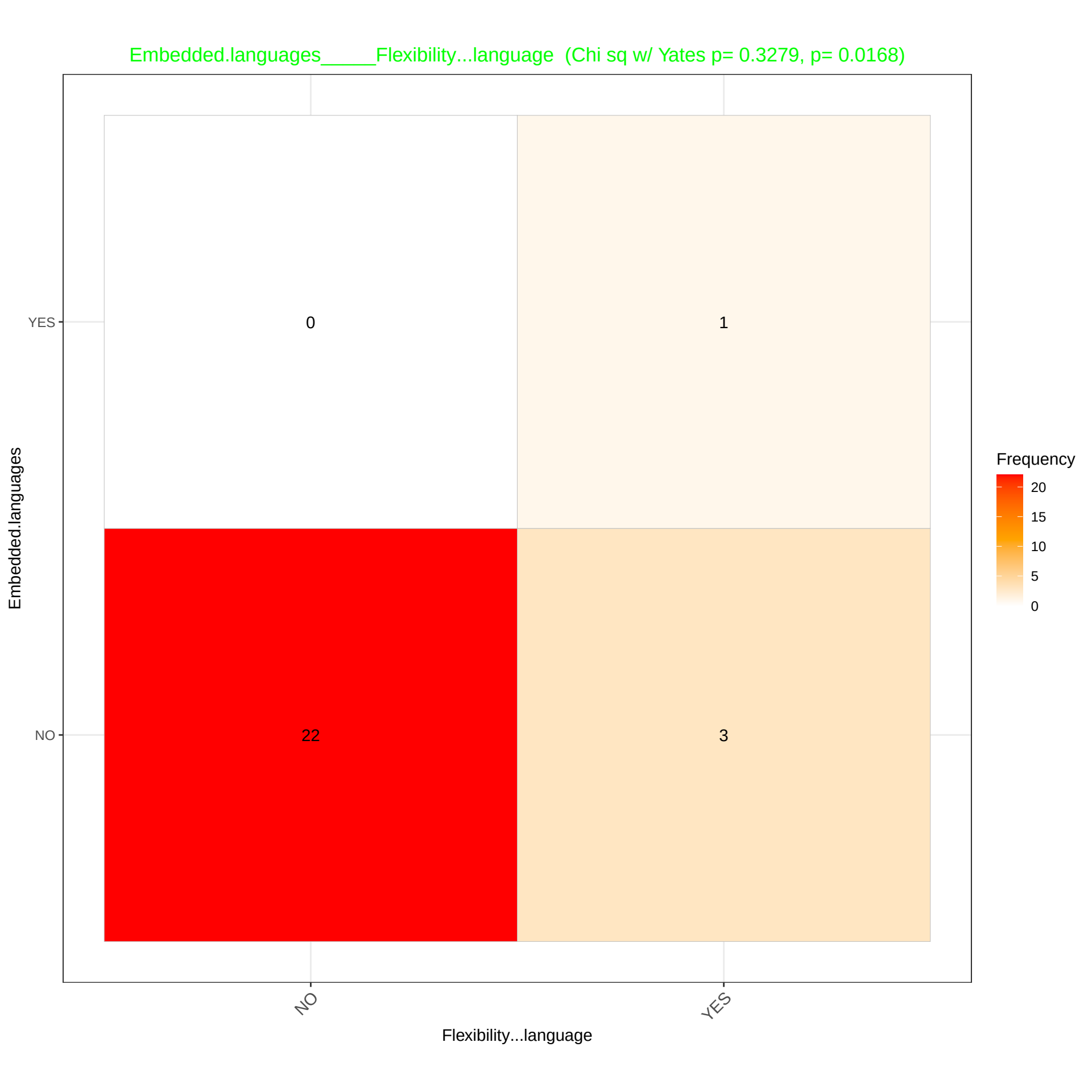

Embedded.languages_____Overlap (Chi sq w/ Yates p= 0.4259, p= 0.0366)
YES
NO
1
0
4
21
Embedded.languages
COMPLETE
PARTIAL
Overlap
Frequency
20
15
10
5
0

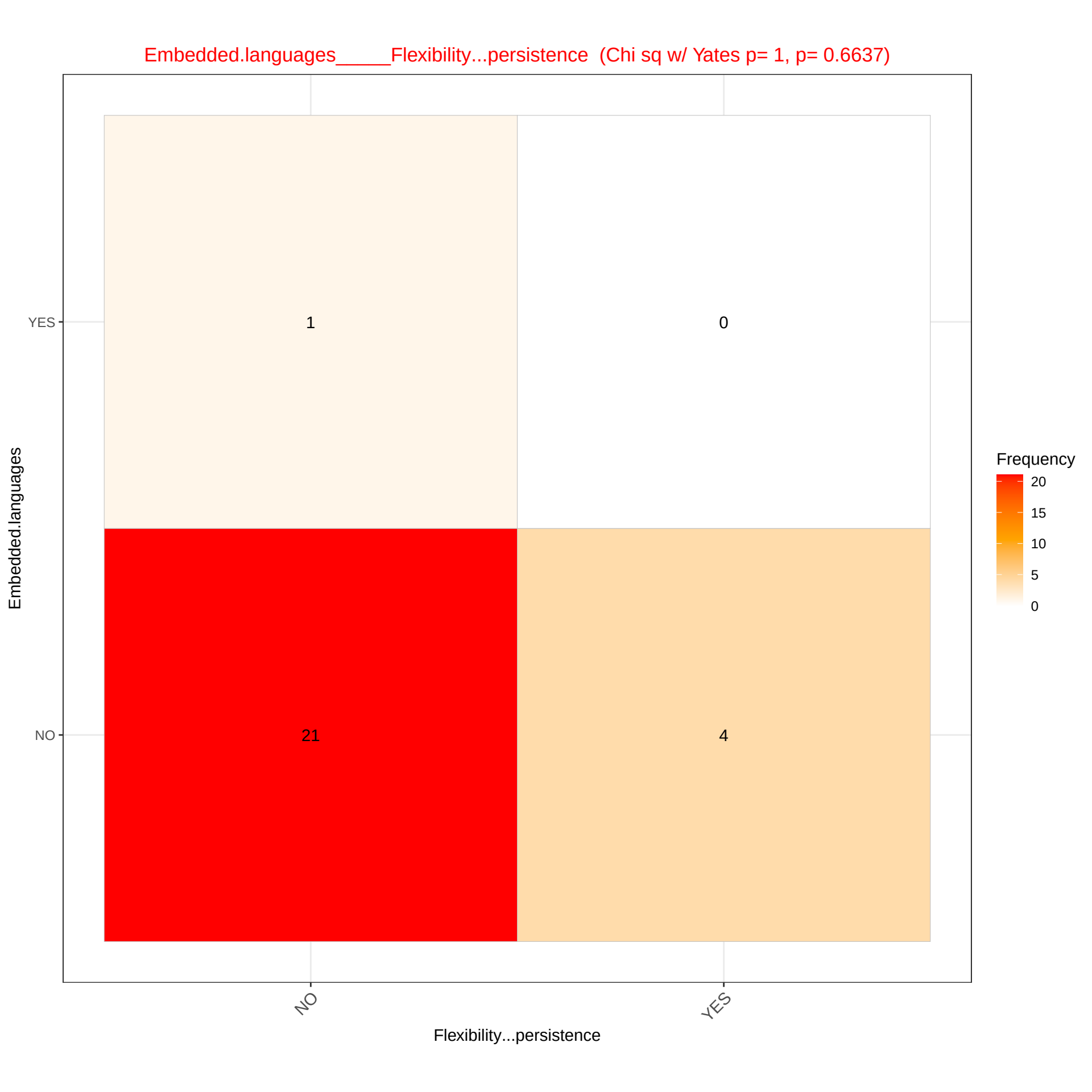

Embedded.languages_____Visualize.multiple.notations (Chi sq w/ Yates p= 1, p= 0.8384)
YES
NO
0
1
1
24
Embedded.languages
NO
YES
Visualize.multiple.notations
Frequency
20
15
10
5
0

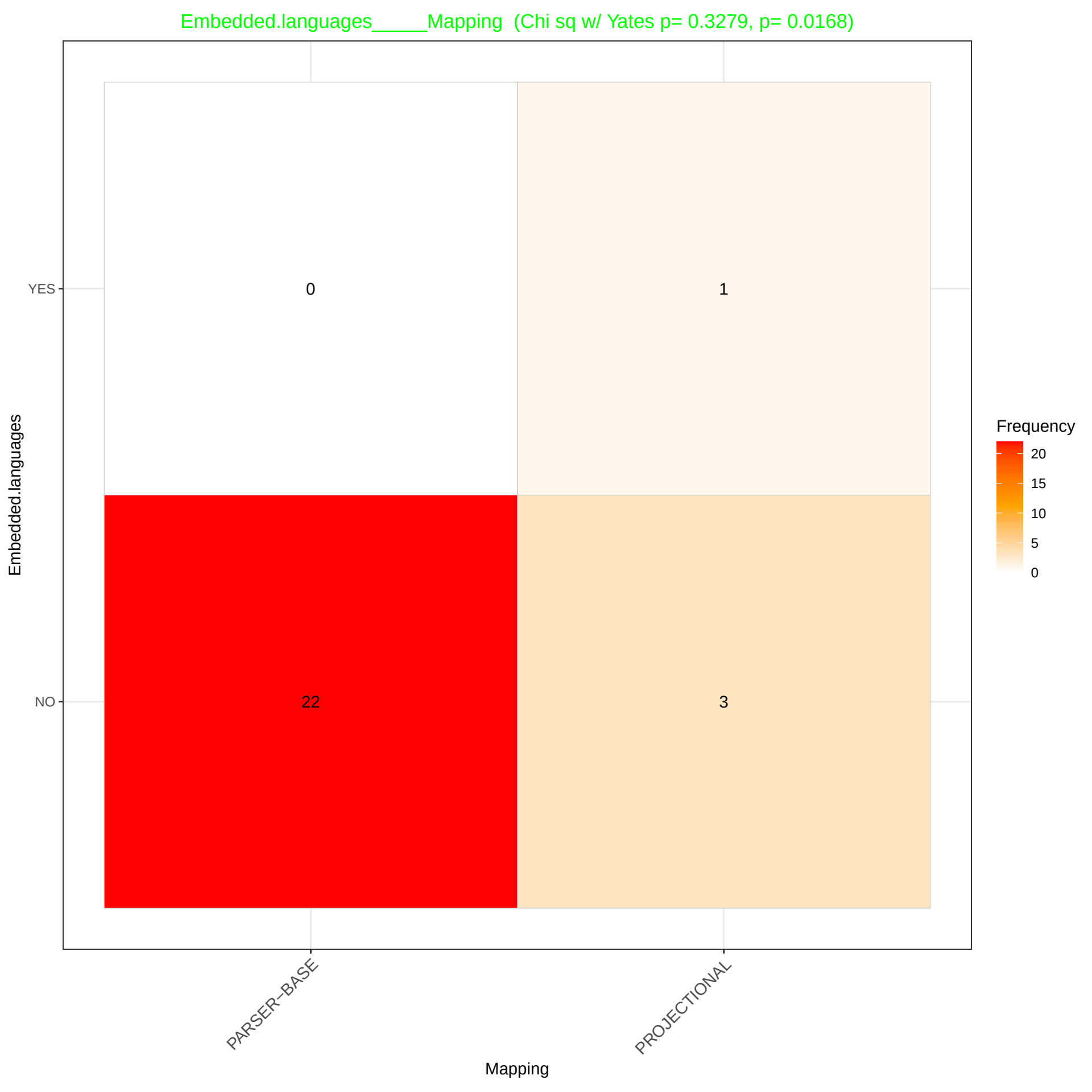

Embedded.languages_____Synchronous.navigation (Chi sq w/ Yates p= 1, p= 0.4201)
YES
NO
0
1
10
15
Embedded.languages
NO
YES
Synchronous.navigation
Frequency
15
10
5
0

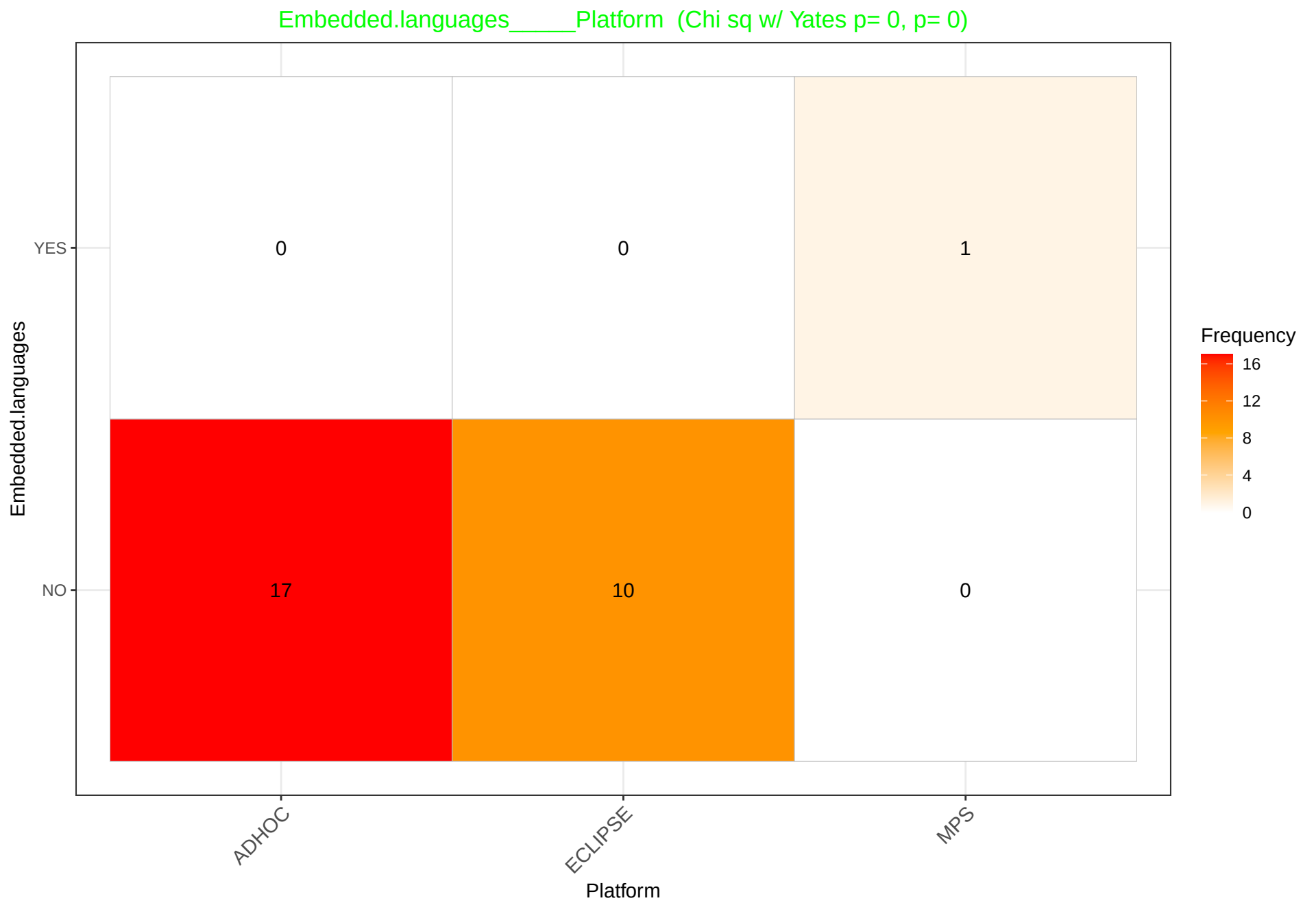

Embedded.languages_____Navigation.among.notations (Chi sq w/ Yates p= 1, p= 0.5765)
YES
NO
0
1
6
19
Embedded.languages
COMPLEX
IMMEDIATE
Navigation.among.notations
Frequency
15
10
5
0

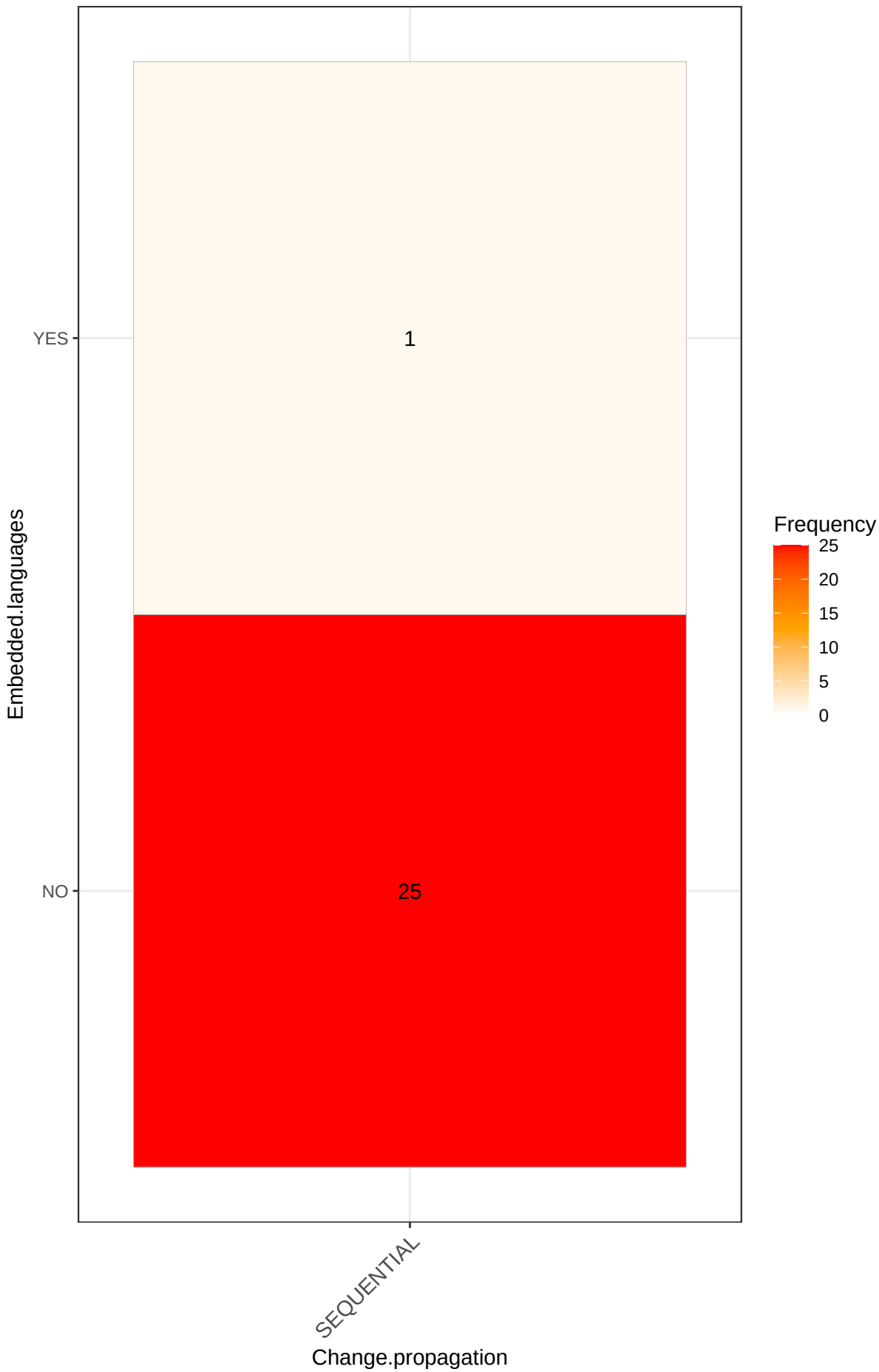

Embedded.languages_____Flexibility...models (Chi sq w/ Yates p= 1, p= 0.5765)
YES
NO
1
0
19
6
Embedded.languages
NO
YES
Flexibility...models
Frequency
15
10
5
0

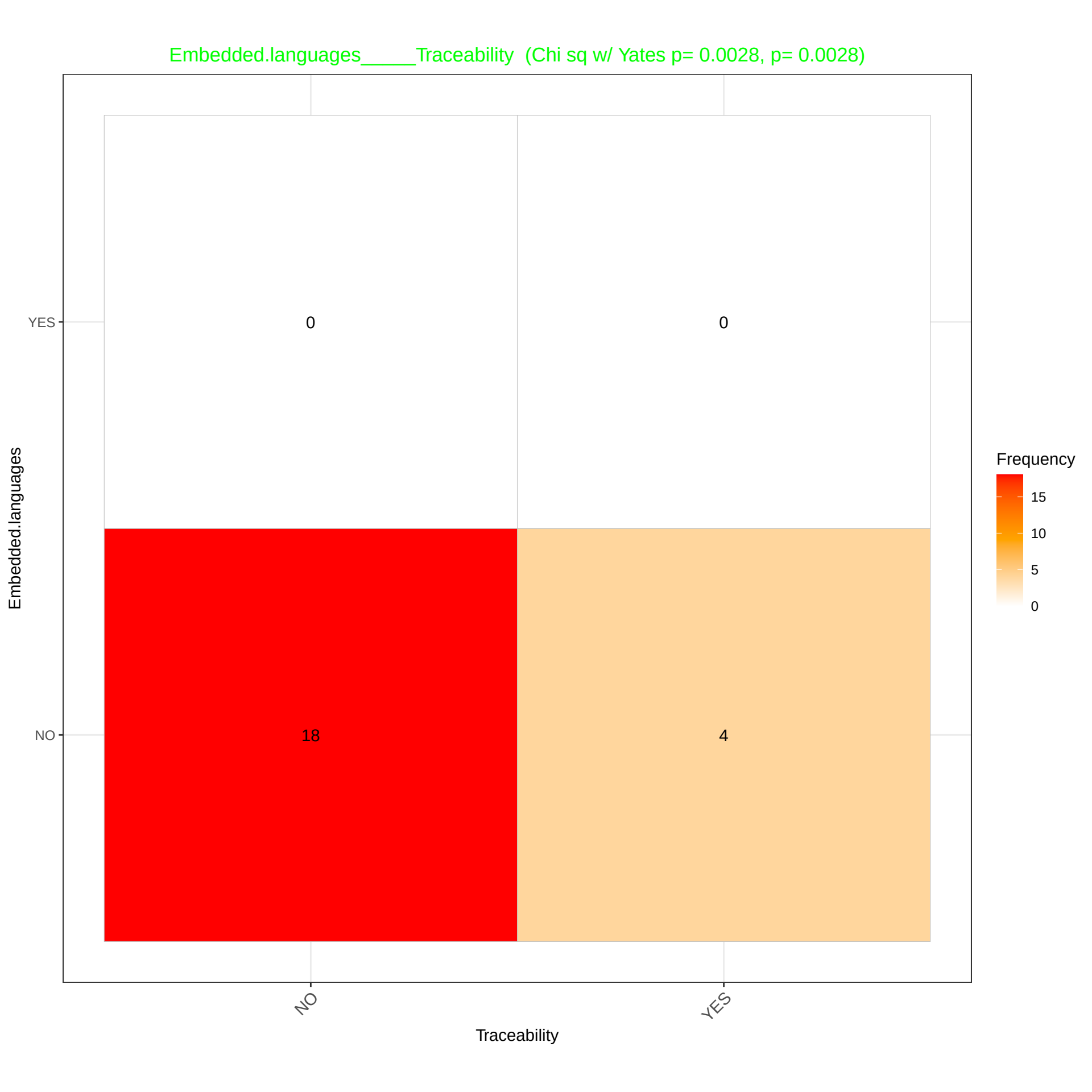

Embedded.languages_____Flexibility...language (Chi sq w/ Yates p= 0.3279, p= 0.0168)
YES
NO
0
1
22
3
Embedded.languages
NO
YES
Flexibility...language
Frequency
20
15
10
5
0

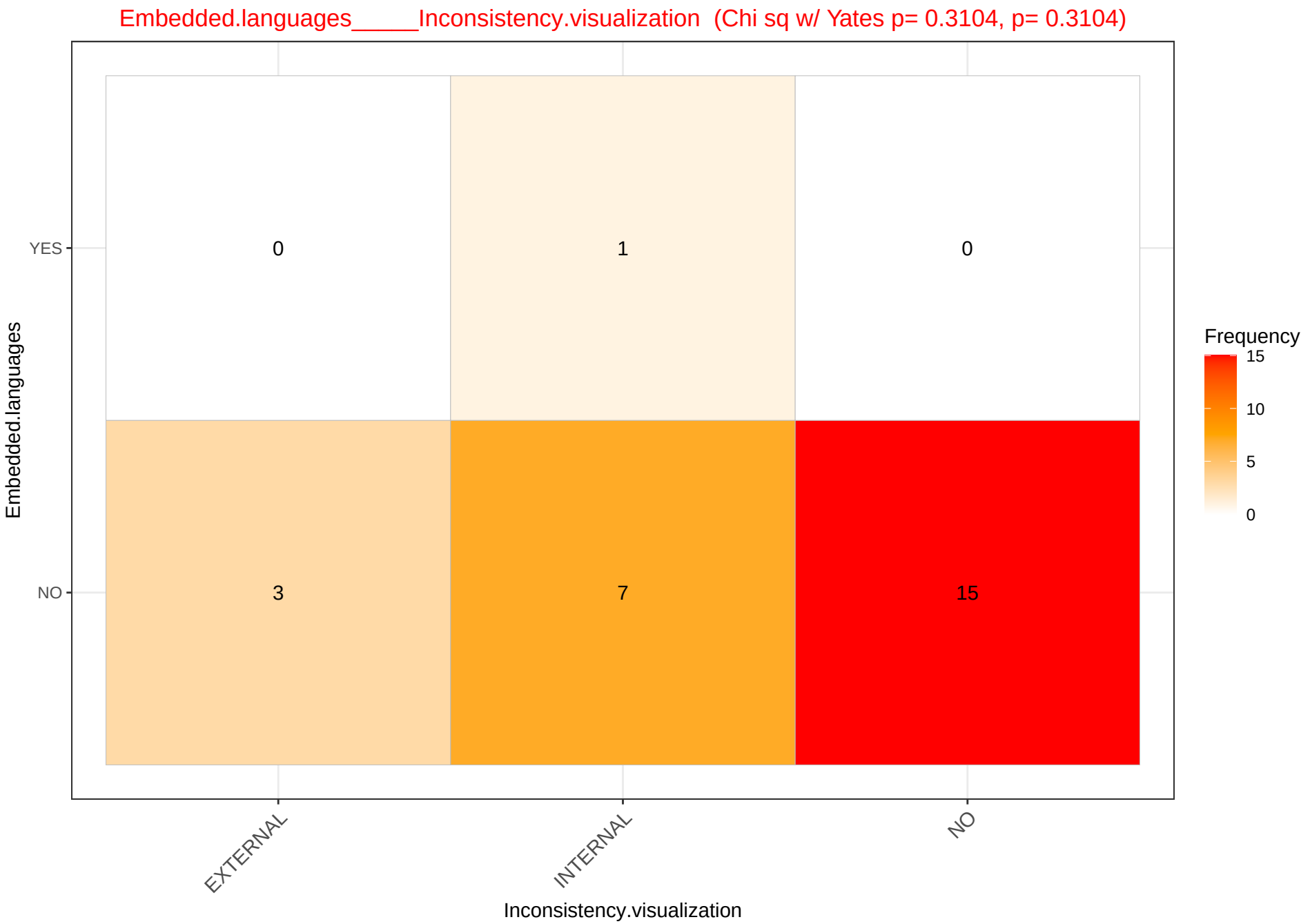

Embedded.languages_____Flexibility...persistence (Chi sq w/ Yates p= 1, p= 0.6637)
YES
NO
1
0
21
4
Embedded.languages
NO
YES
Flexibility...persistence
Frequency
20
15
10
5
0

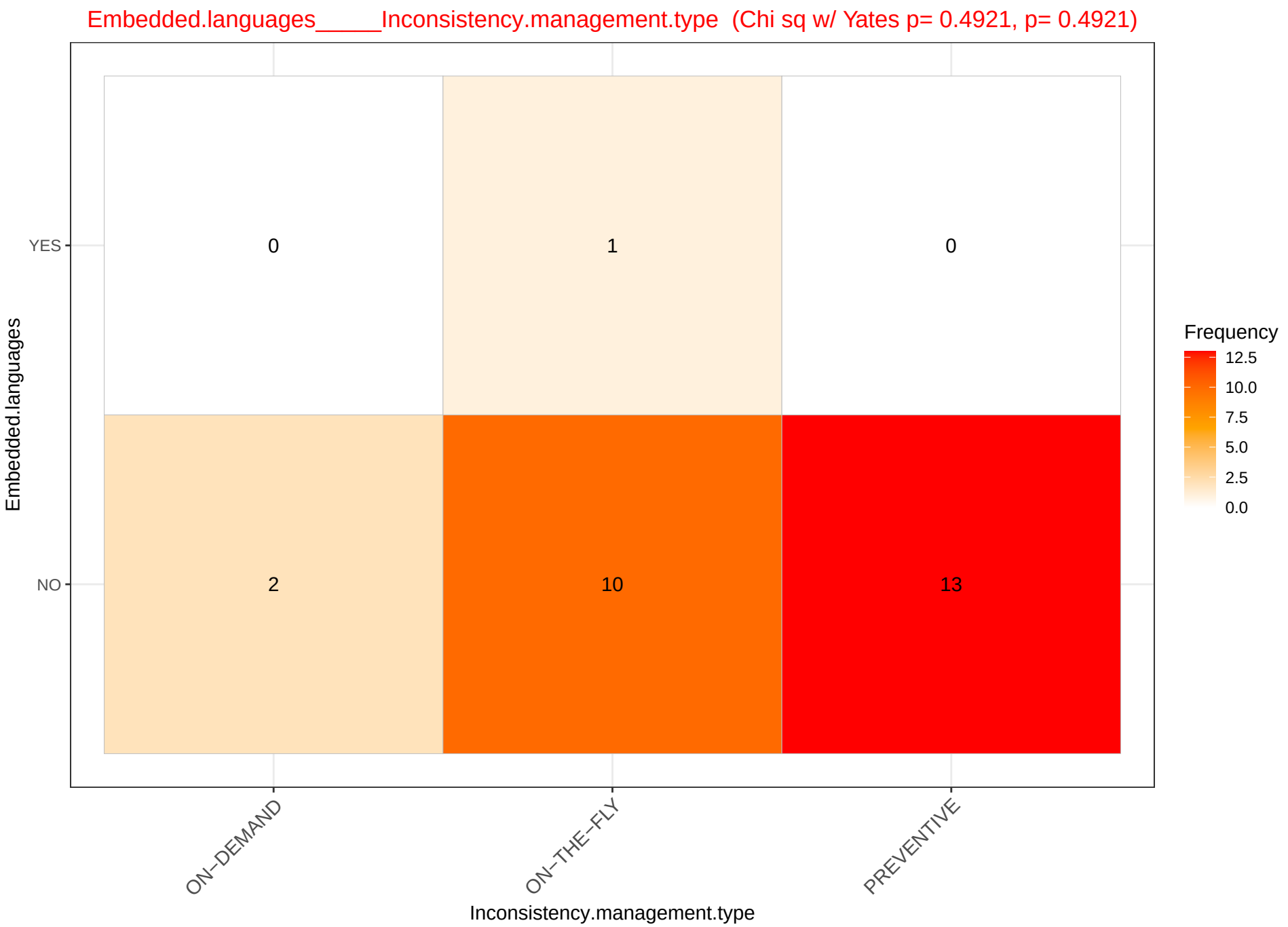

Embedded.languages_____Mapping (Chi sq w/ Yates p= 0.3279, p= 0.0168)
YES
NO
0
1
22
3
Embedded.languages
PARSER−BASE
PROJECTIONAL
Mapping
Frequency
20
15
10
5
0

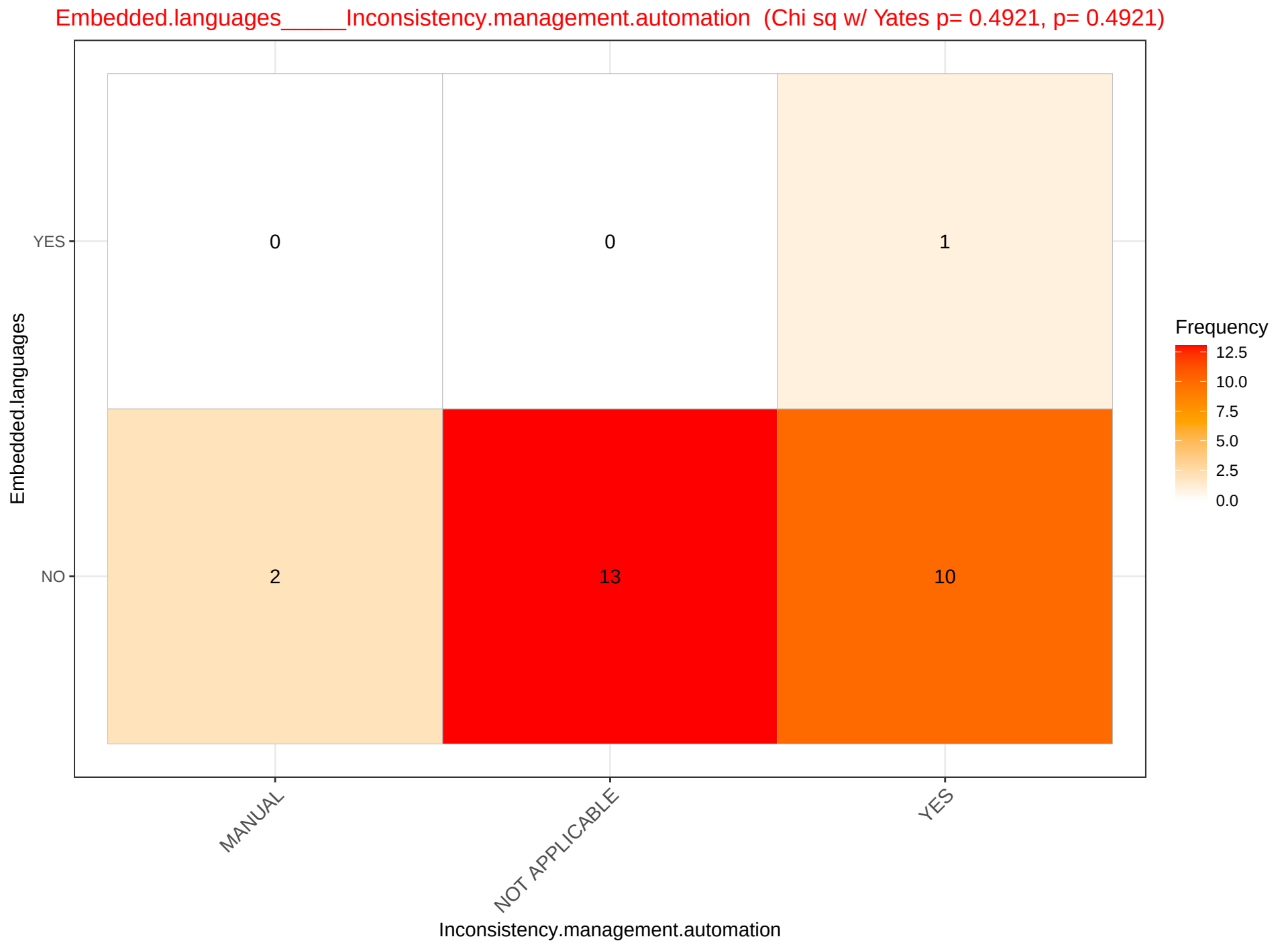

Embedded.languages_____Platform (Chi sq w/ Yates p= 0, p= 0)
YES
NO
Embedded.languages
0
0
1
17
10
0
ADHOC
ECLIPSE
MPS
Platform
Frequency
16
12
8
4
0

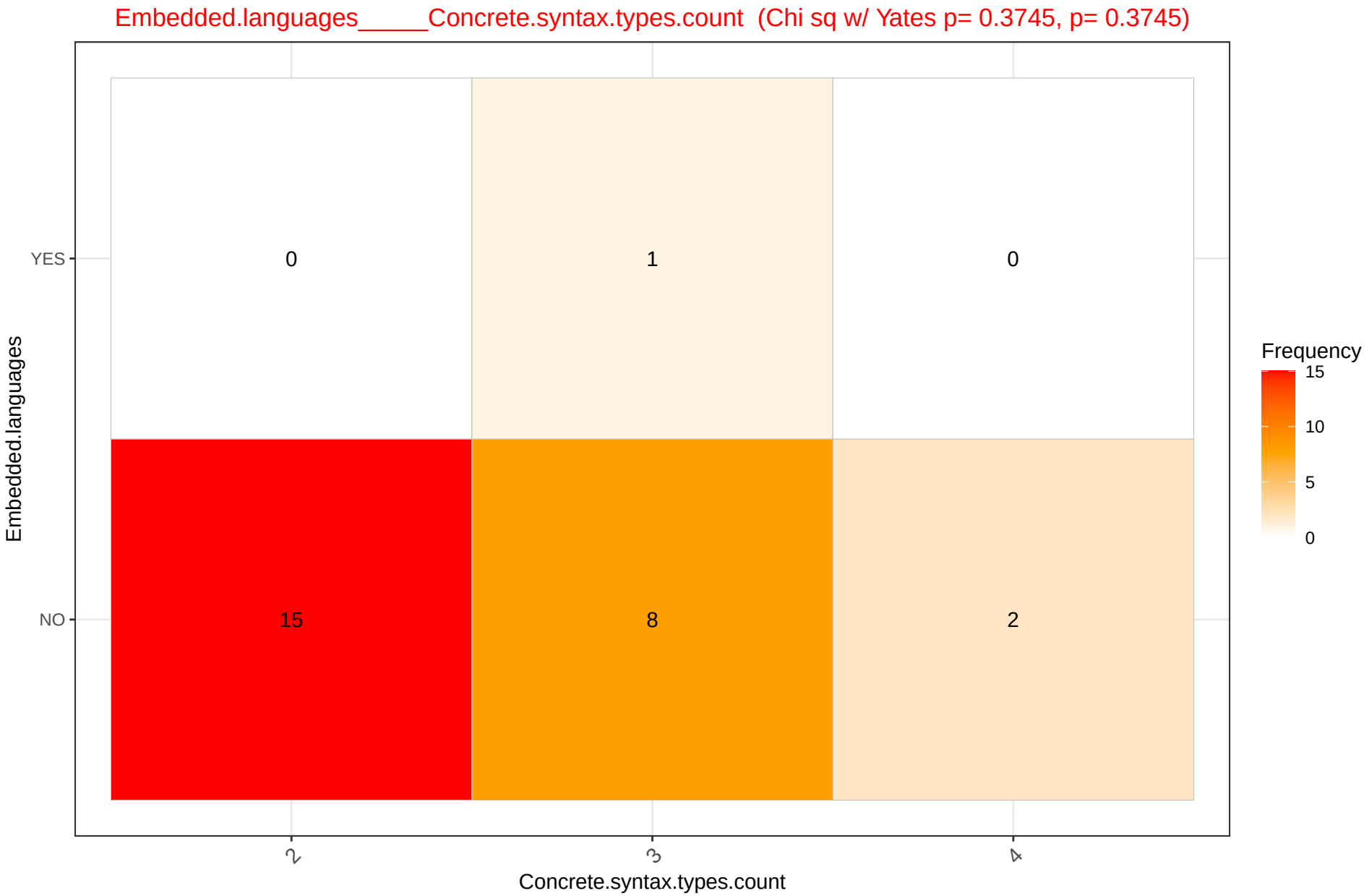

Embedded.languages_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)
YES
NO
1
25
Embedded.languages
SEQUENTIAL
Change.propagation
Frequency
25
20
15
10
5
0

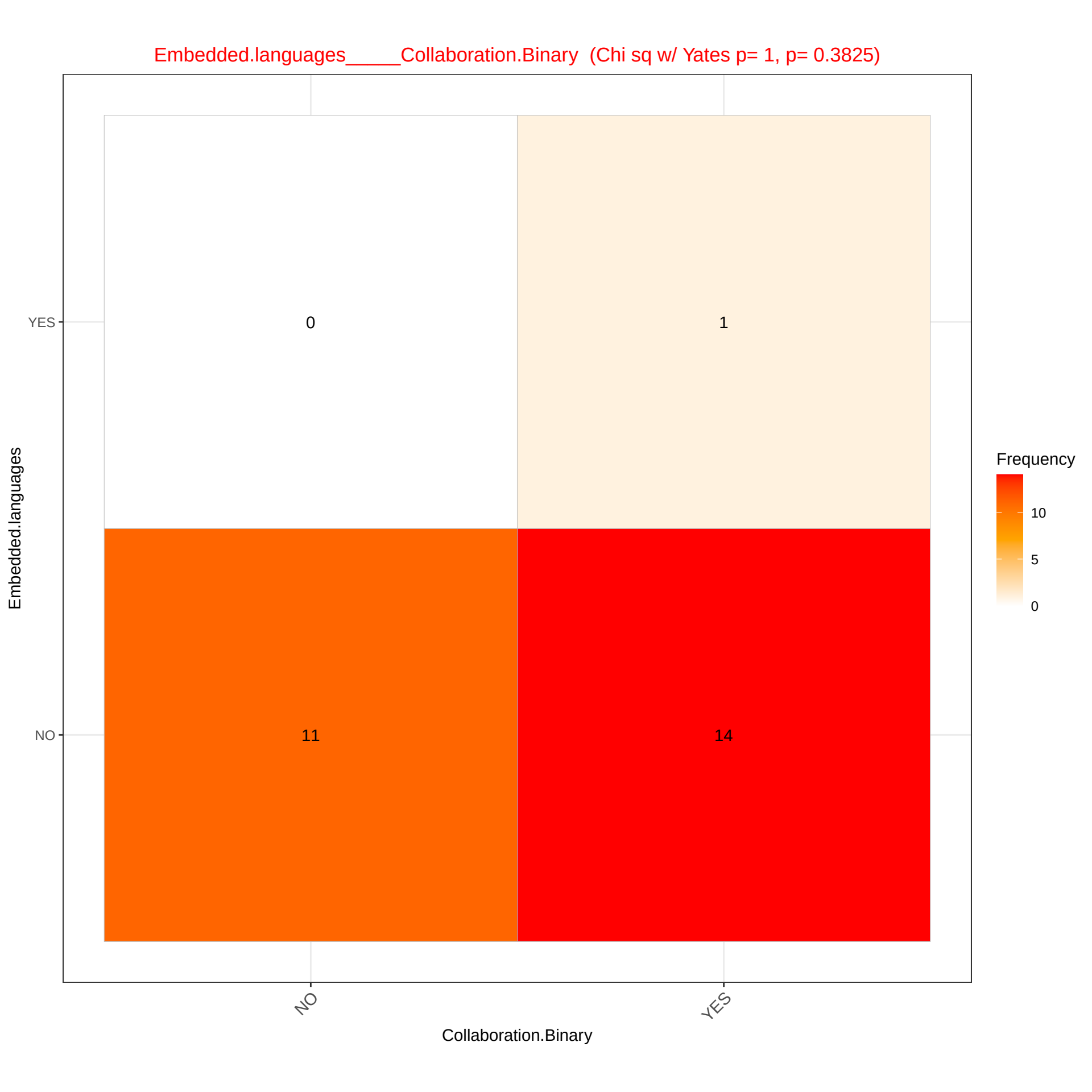

Embedded.languages_____Traceability (Chi sq w/ Yates p= 0.0028, p= 0.0028)
YES
NO
0
0
18
4
Embedded.languages
NO
YES
Traceability
Frequency
15
10
5
0

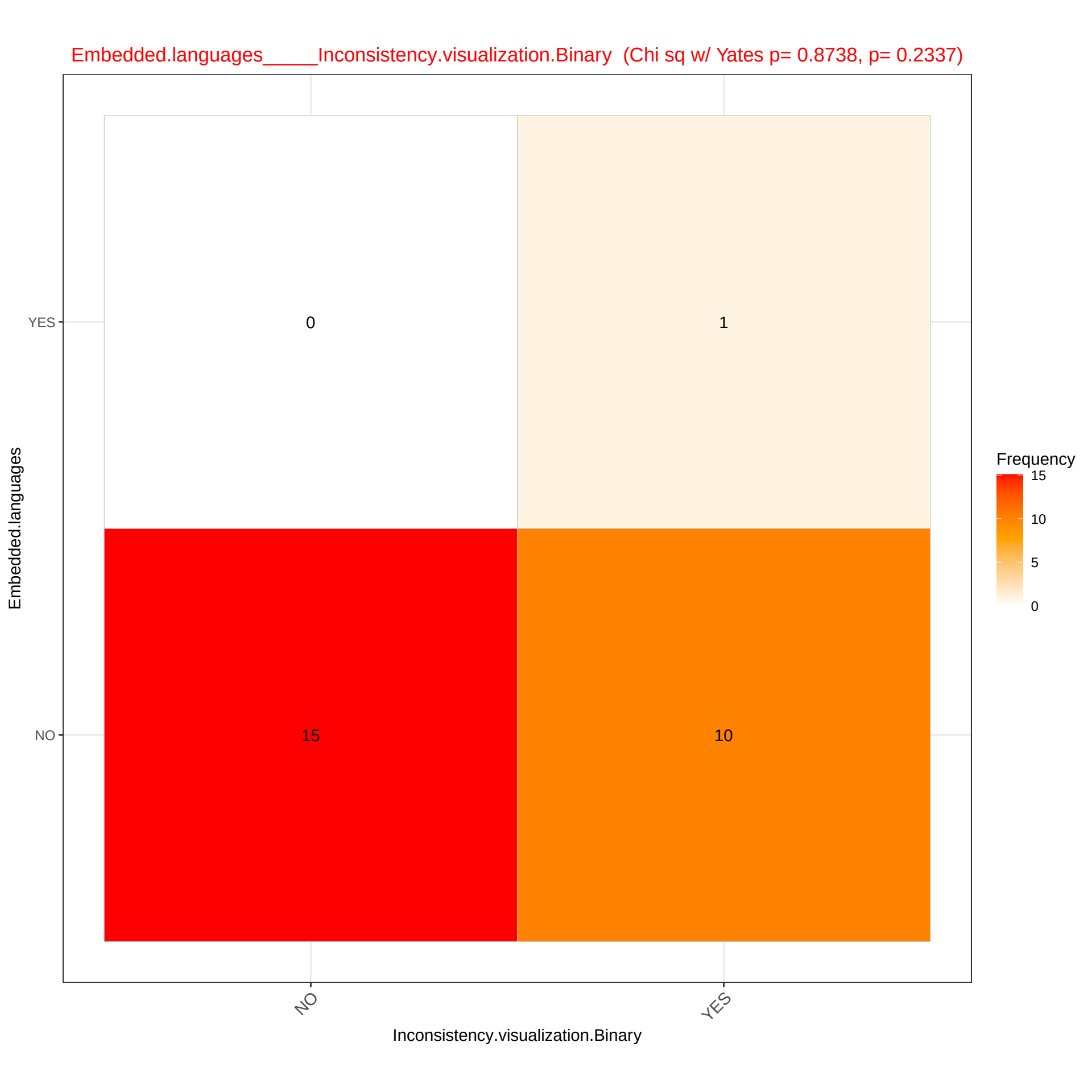

Embedded.languages_____Inconsistency.visualization (Chi sq w/ Yates p= 0.3104, p= 0.3104)
YES
NO
0
1
0
3
7
15
Embedded.languages
EXTERNAL
INTERNAL
NO
Inconsistency.visualization
Frequency
15
10
5
0

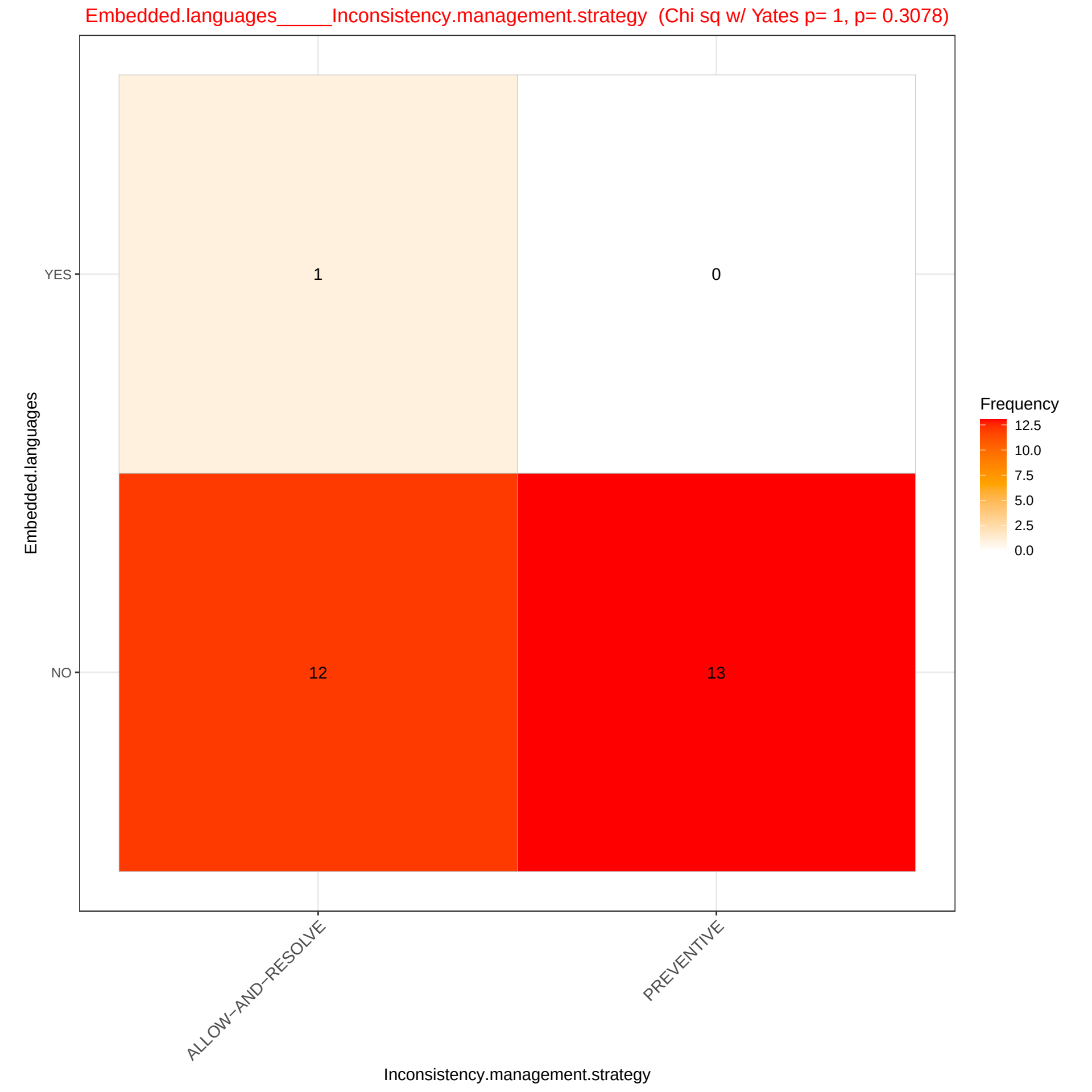

Embedded.languages_____Inconsistency.management.type (Chi sq w/ Yates p= 0.4921, p= 0.4921)
YES
NO
0
1
0
2
10
13
Embedded.languages
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

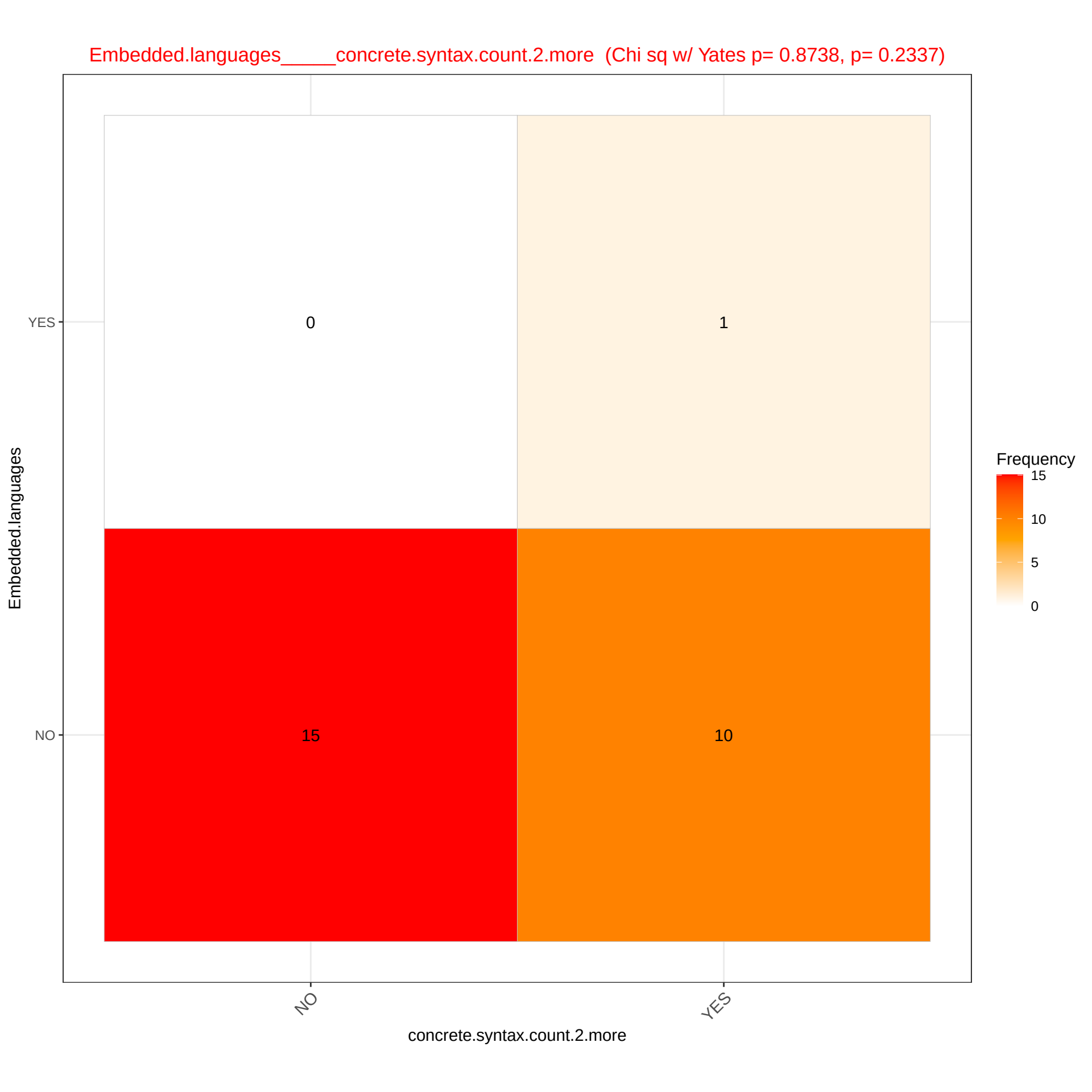

Embedded.languages_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.4921, p= 0.4921)
YES
NO
Embedded.languages
0
0
1
2
13
10
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

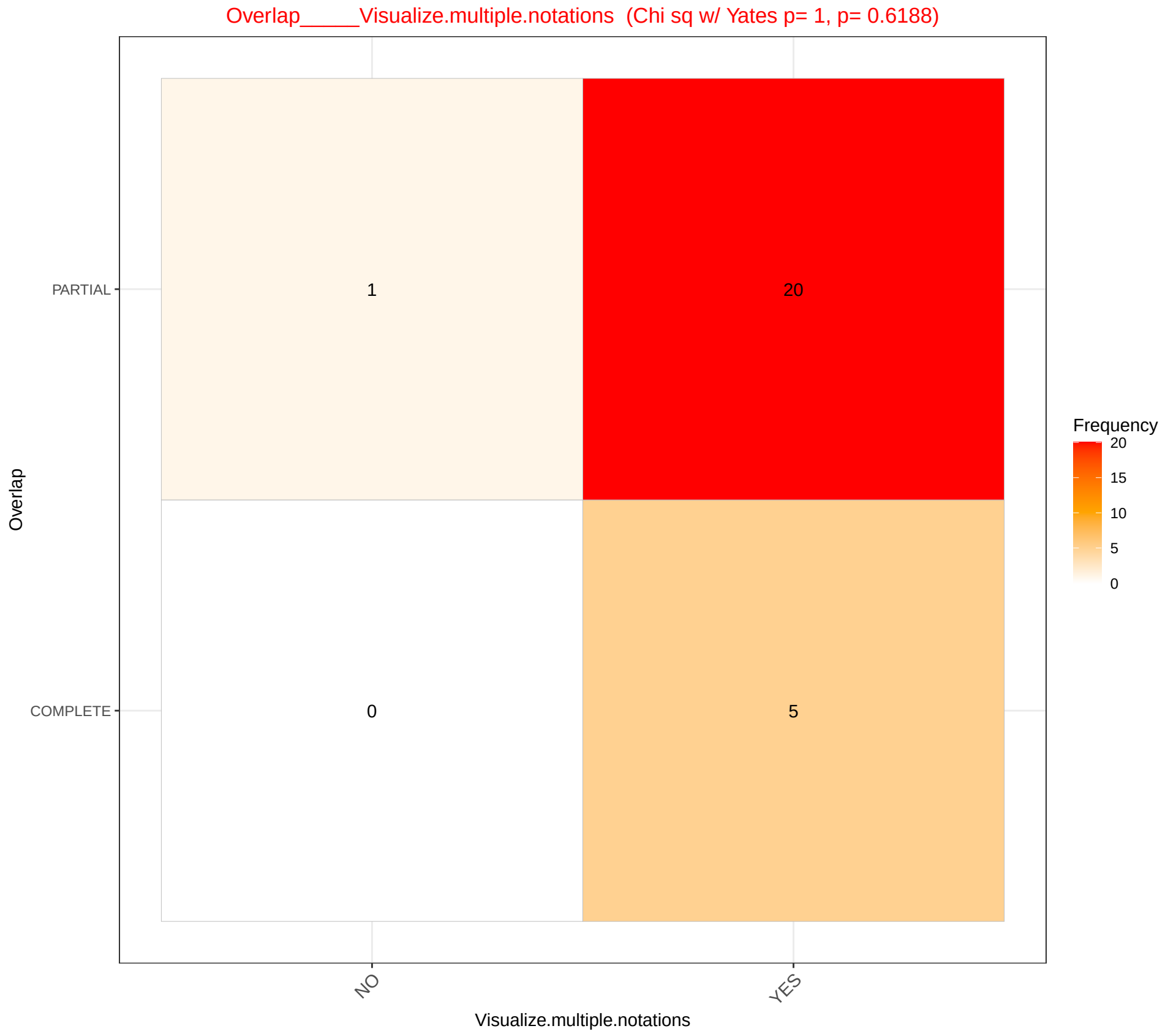

Embedded.languages_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.3745, p= 0.3745)
YES
NO
0
1
0
15
8
2
Embedded.languages
2
3
4
Concrete.syntax.types.count
Frequency
15
10
5
0

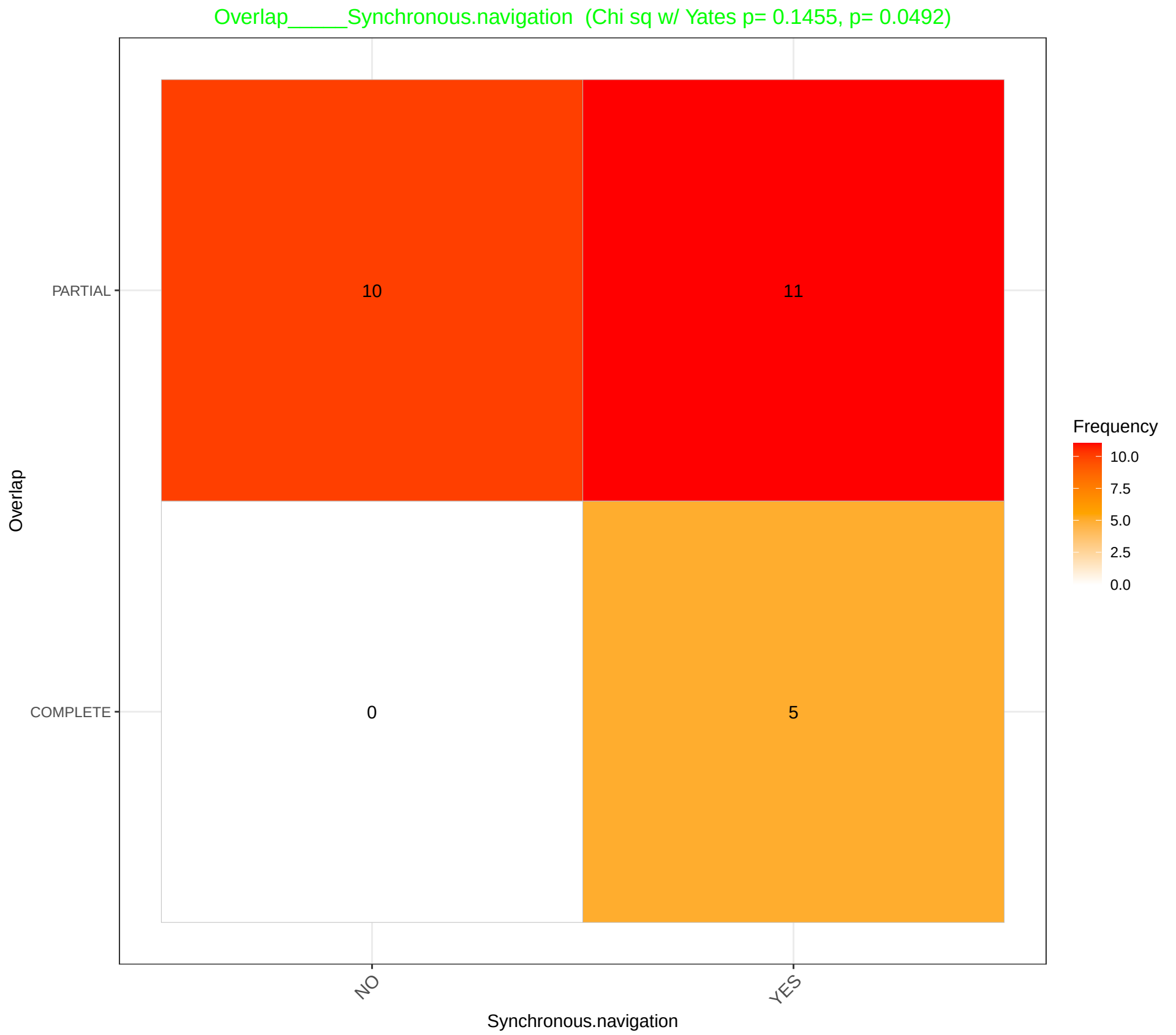

Embedded.languages_____Collaboration.Binary (Chi sq w/ Yates p= 1, p= 0.3825)
YES
NO
0
1
11
14
Embedded.languages
NO
YES
Collaboration.Binary
Frequency
10
5
0

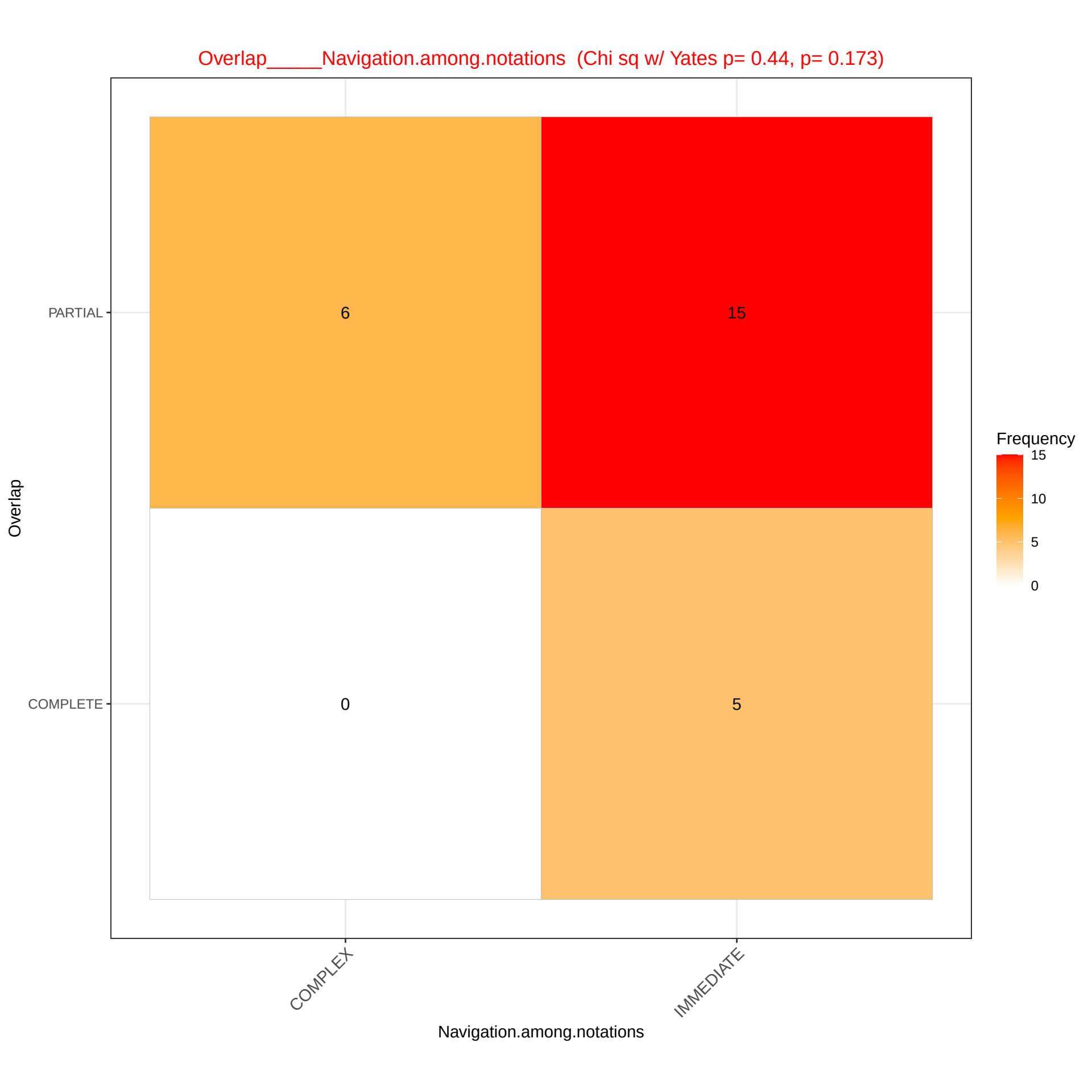

Embedded.languages_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.8738, p= 0.2337)
YES
NO
0
1
15
10
Embedded.languages
NO
YES
Inconsistency.visualization.Binary
Frequency
15
10
5
0

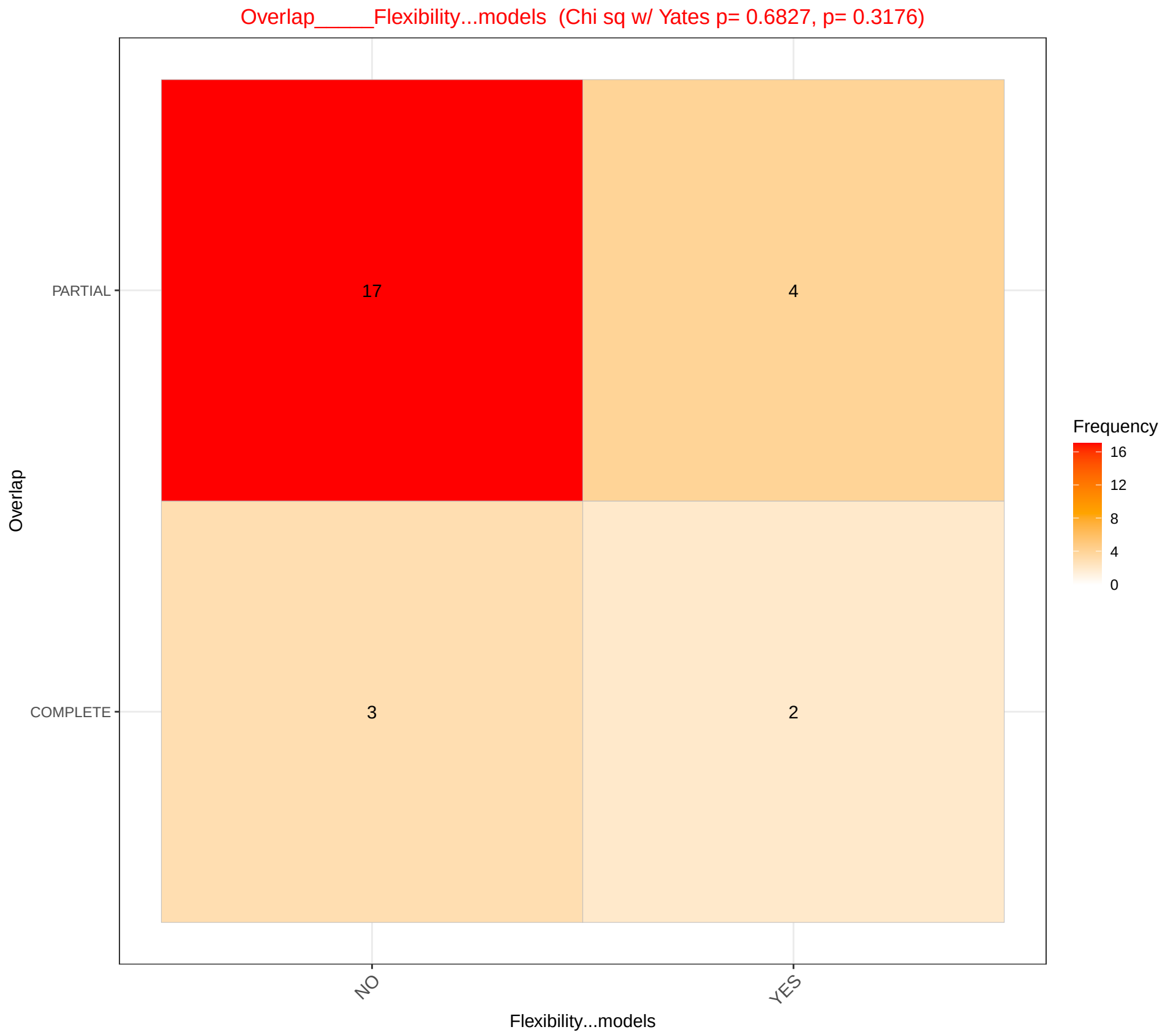

Embedded.languages_____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 0.3078)
YES
NO
1
0
12
13
Embedded.languages
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

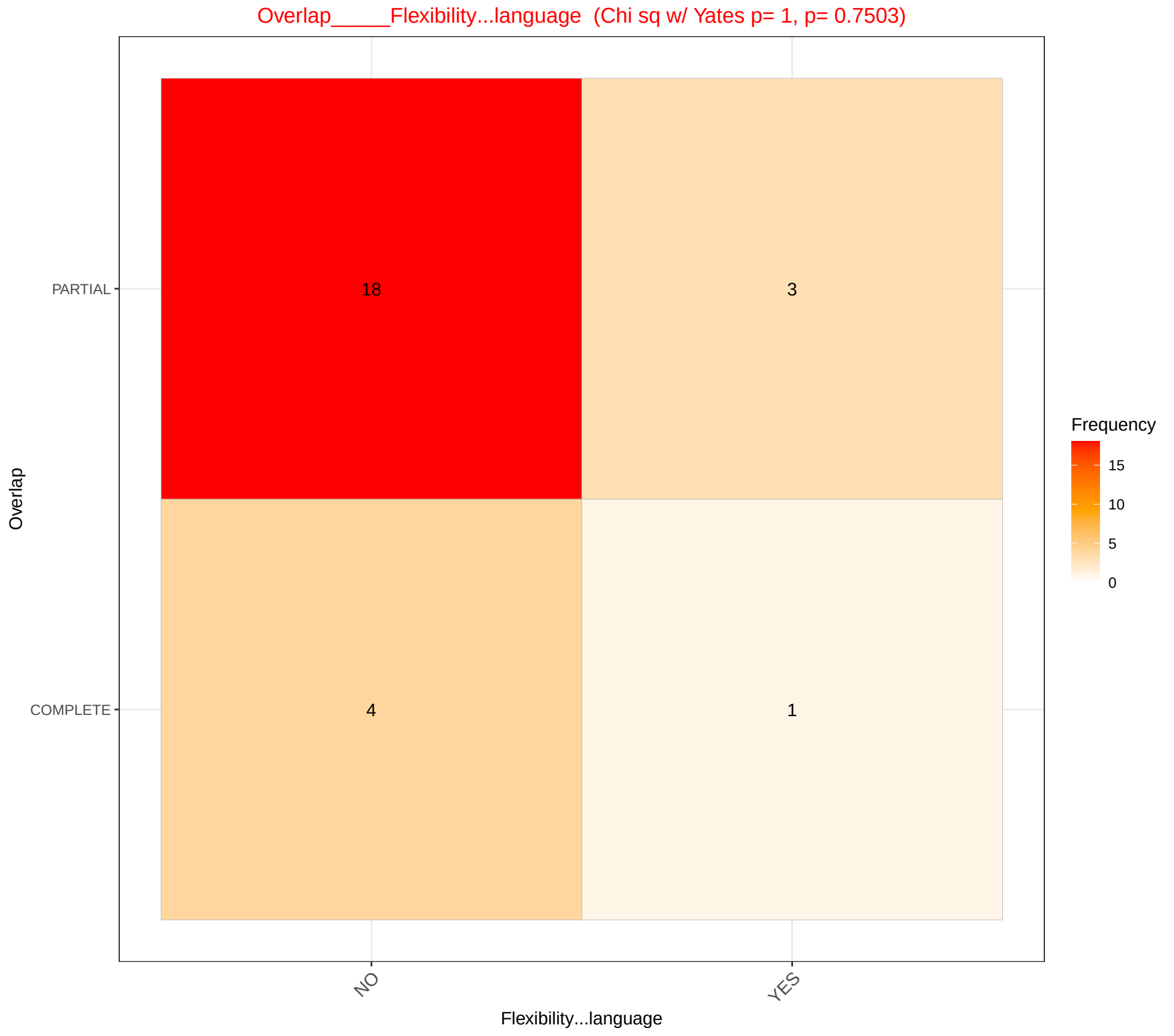

Embedded.languages_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.8738, p= 0.2337)
YES
NO
0
1
15
10
Embedded.languages
NO
YES
concrete.syntax.count.2.more
Frequency
15
10
5
0

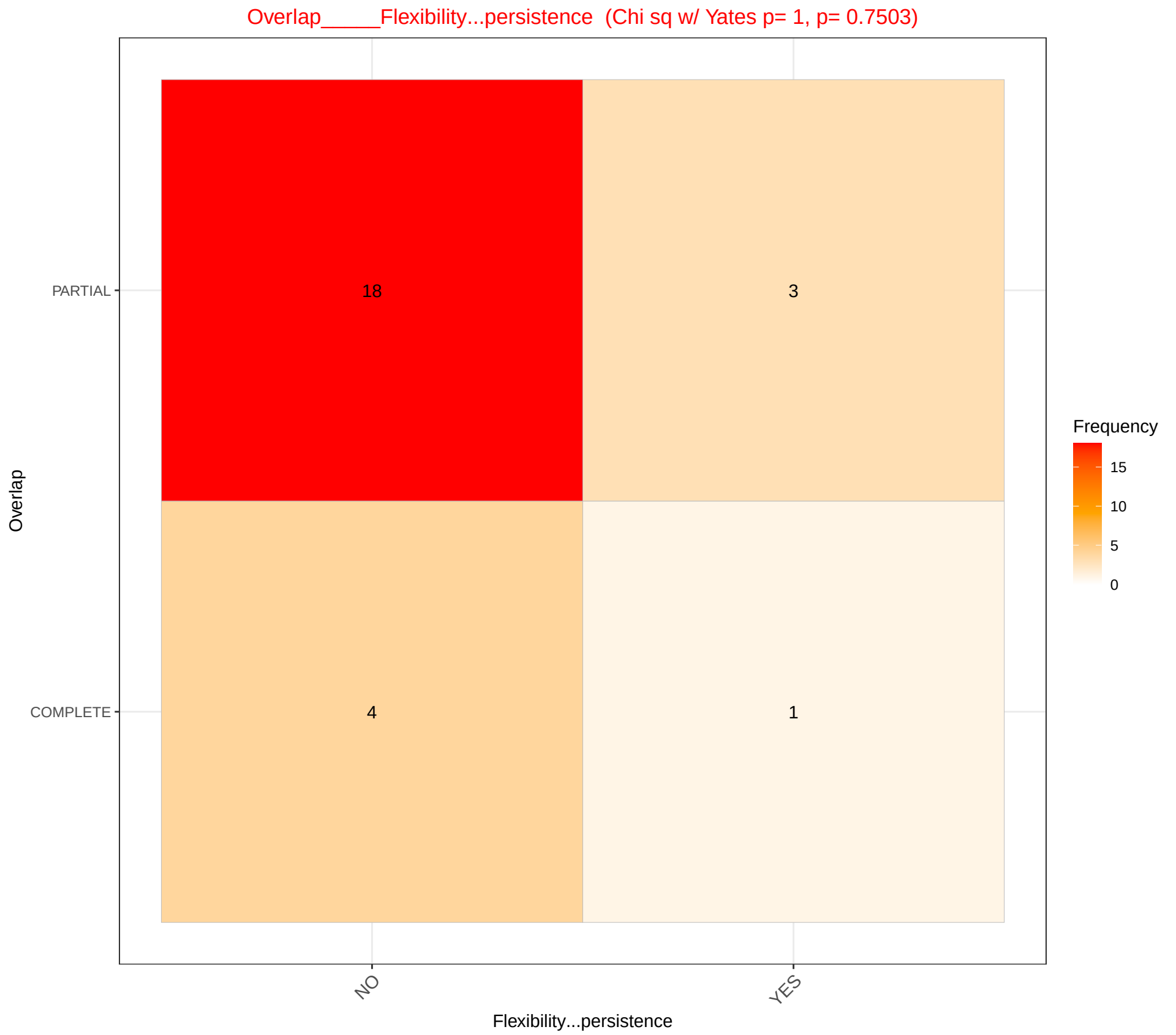

Overlap_____Visualize.multiple.notations (Chi sq w/ Yates p= 1, p= 0.6188)
PARTIAL
COMPLETE
Overlap
1
20
0
5
NO
YES
Visualize.multiple.notations
Frequency
20
15
10
5
0

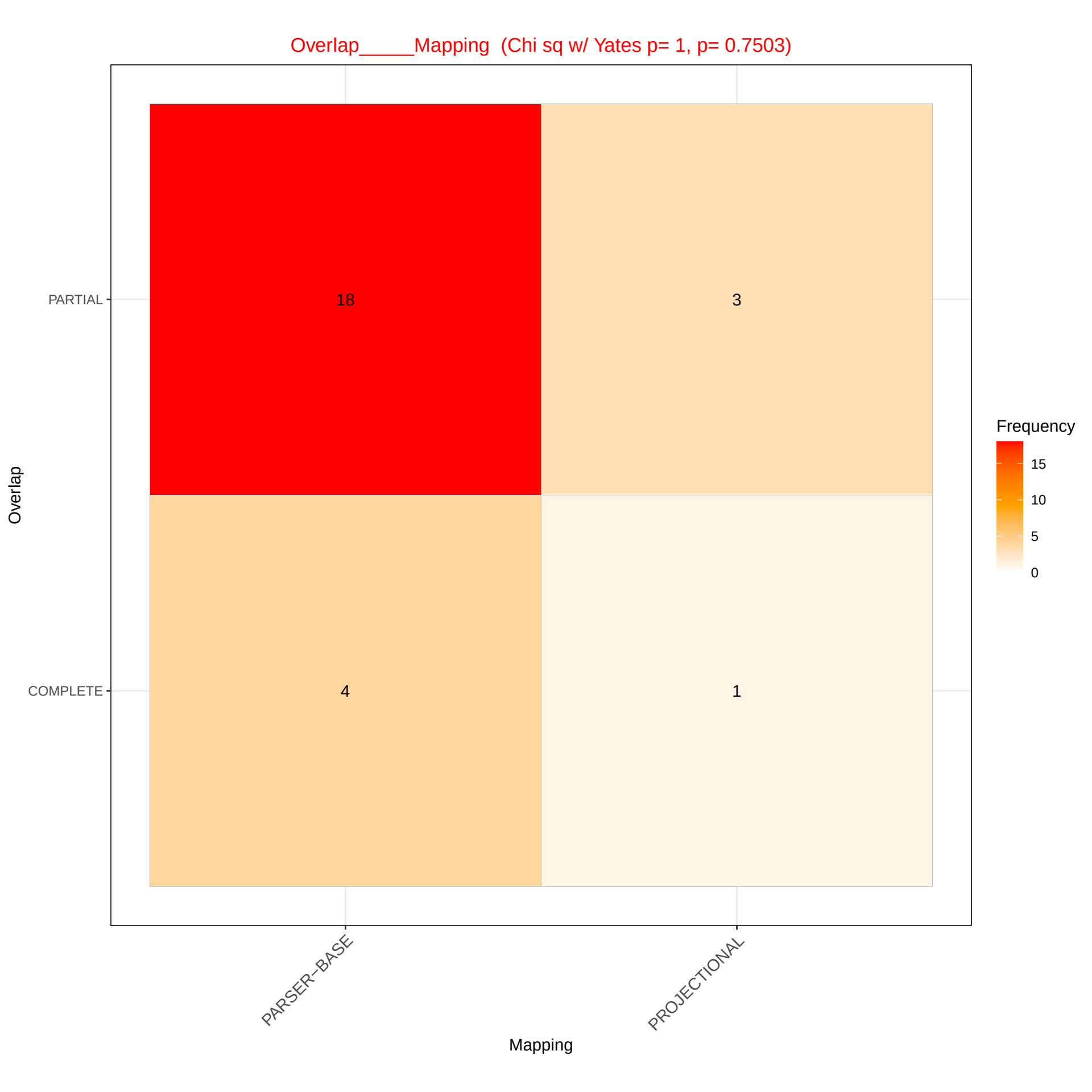

Overlap_____Synchronous.navigation (Chi sq w/ Yates p= 0.1455, p= 0.0492)
PARTIAL
COMPLETE
Overlap
10
11
0
5
NO
YES
Synchronous.navigation
Frequency
10.0
7.5
5.0
2.5
0.0

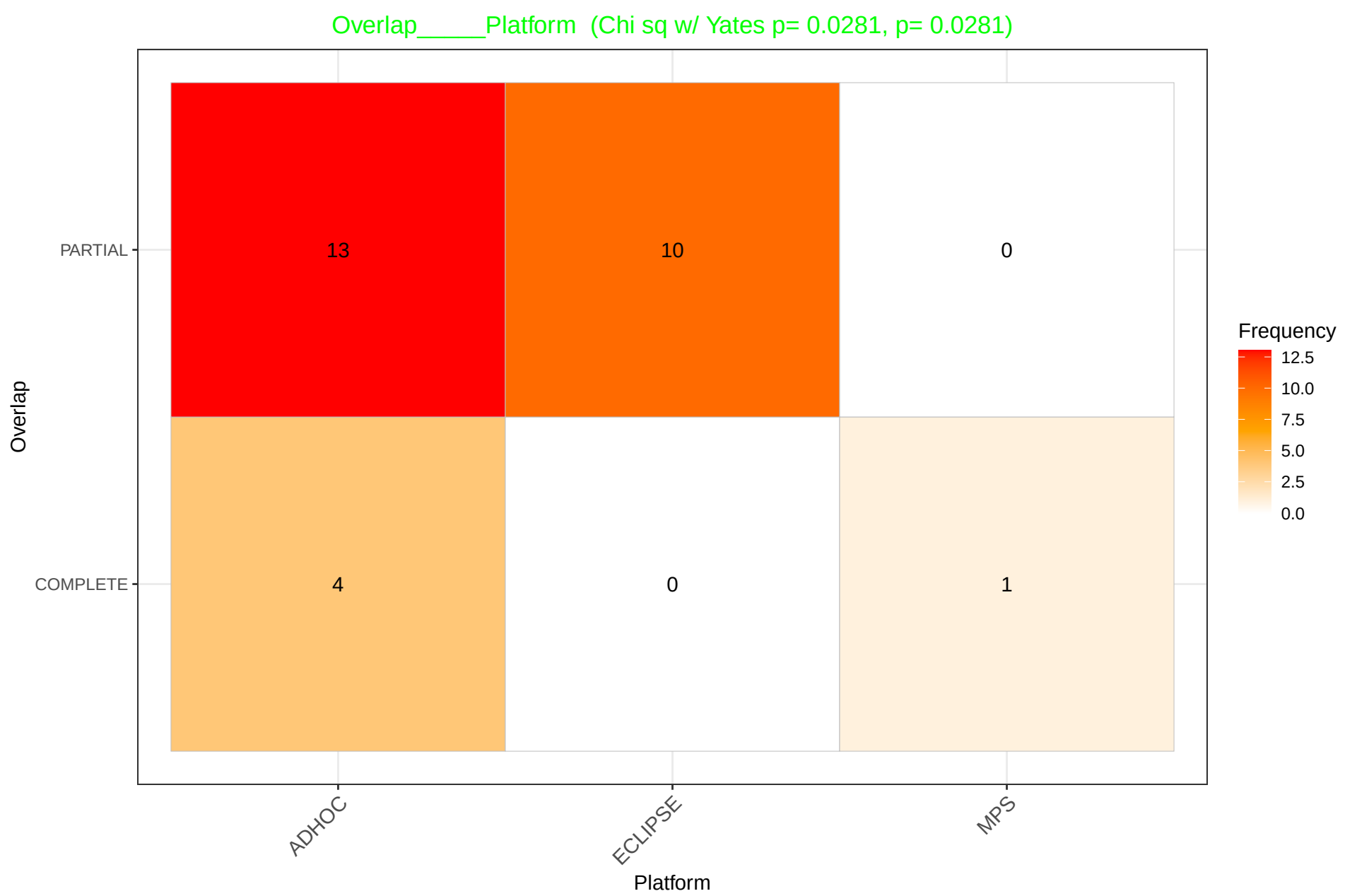

Overlap_____Navigation.among.notations (Chi sq w/ Yates p= 0.44, p= 0.173)
PARTIAL
COMPLETE
Overlap
6
15
0
5
COMPLEX
IMMEDIATE
Navigation.among.notations
Frequency
15
10
5
0

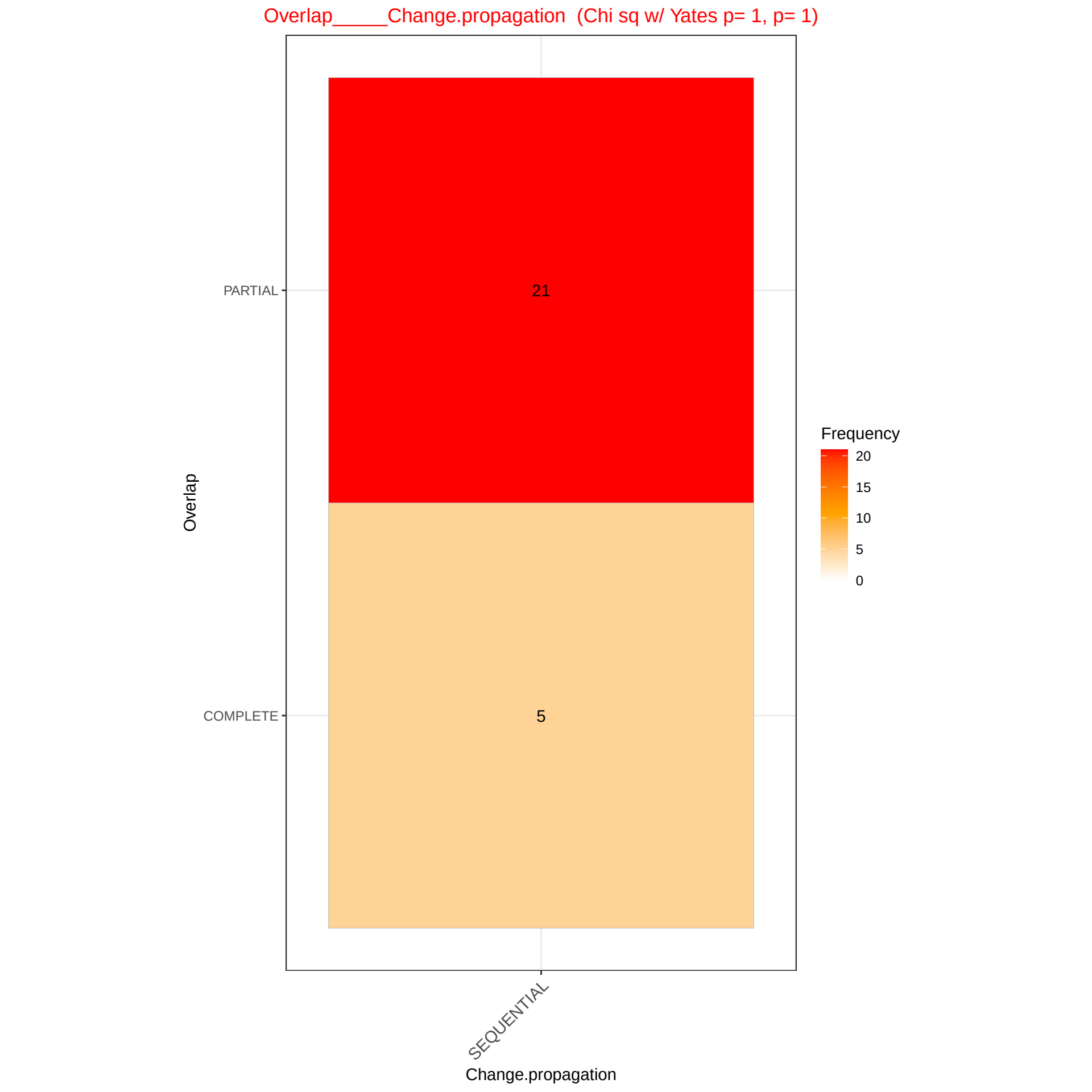

Overlap_____Flexibility...models (Chi sq w/ Yates p= 0.6827, p= 0.3176)
PARTIAL
COMPLETE
Overlap
17
4
3
2
NO
YES
Flexibility...models
Frequency
16
12
8
4
0

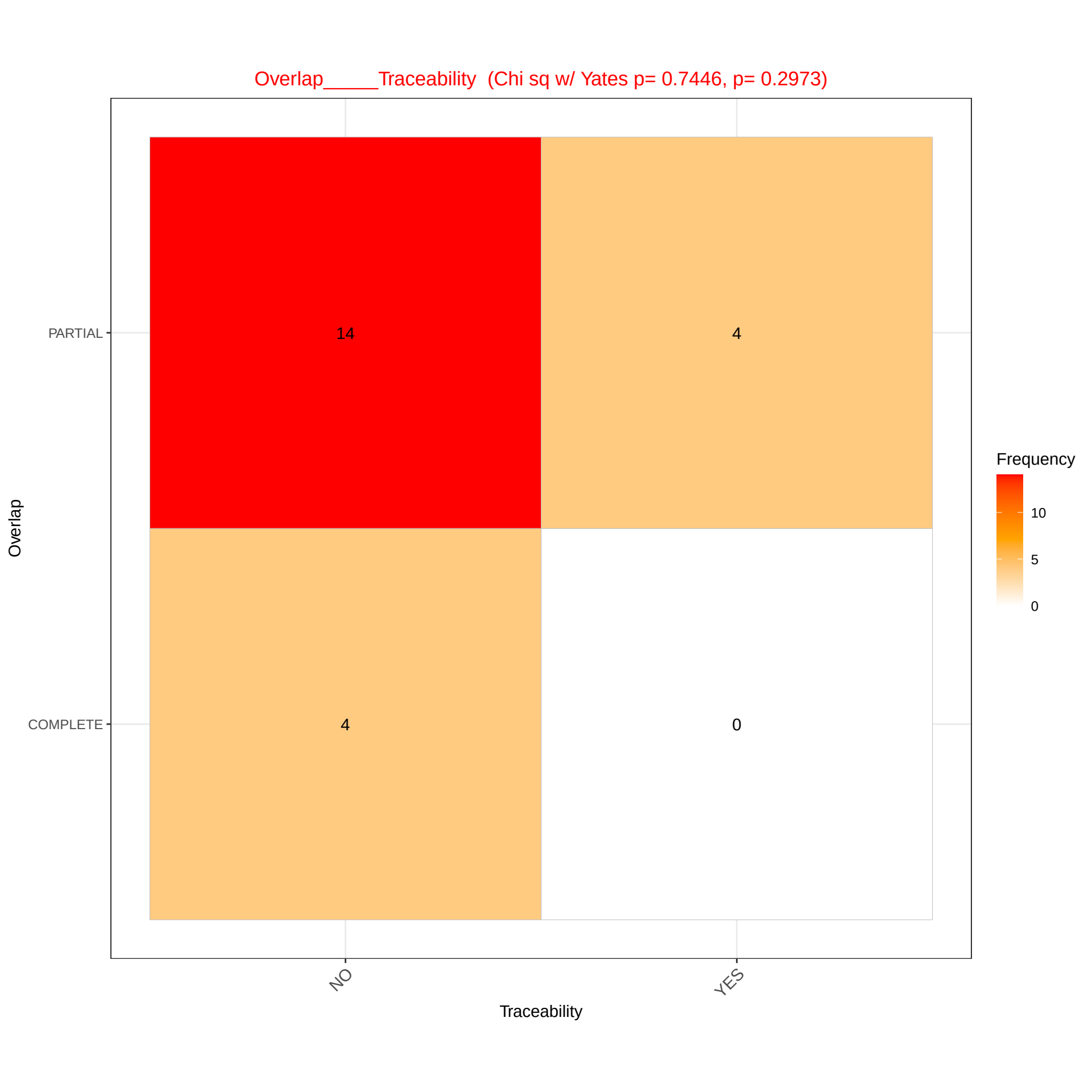

Overlap_____Flexibility...language (Chi sq w/ Yates p= 1, p= 0.7503)
PARTIAL
COMPLETE
Overlap
18
3
4
1
NO
YES
Flexibility...language
Frequency
15
10
5
0

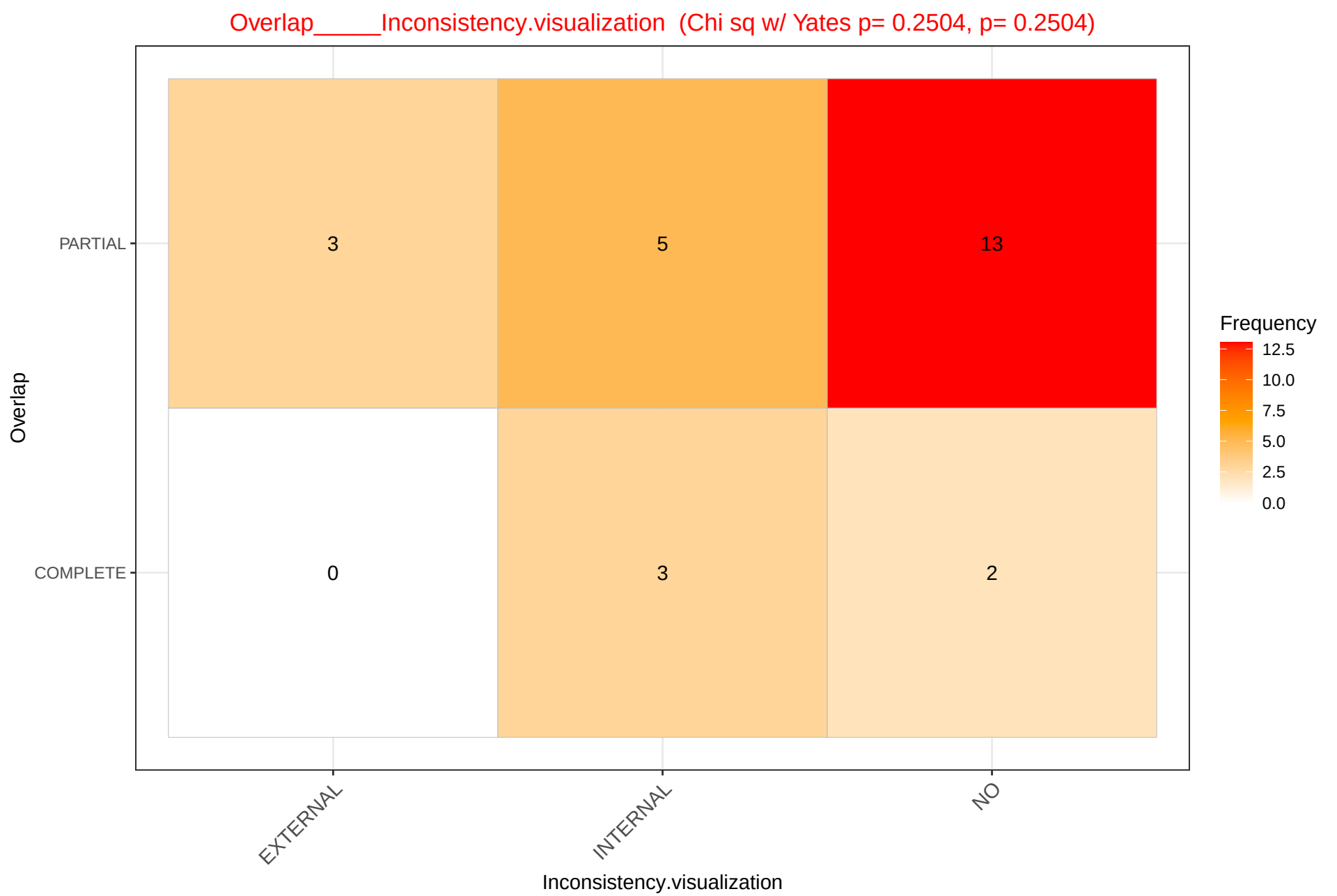

Overlap_____Flexibility...persistence (Chi sq w/ Yates p= 1, p= 0.7503)
PARTIAL
COMPLETE
Overlap
18
3
4
1
NO
YES
Flexibility...persistence
Frequency
15
10
5
0

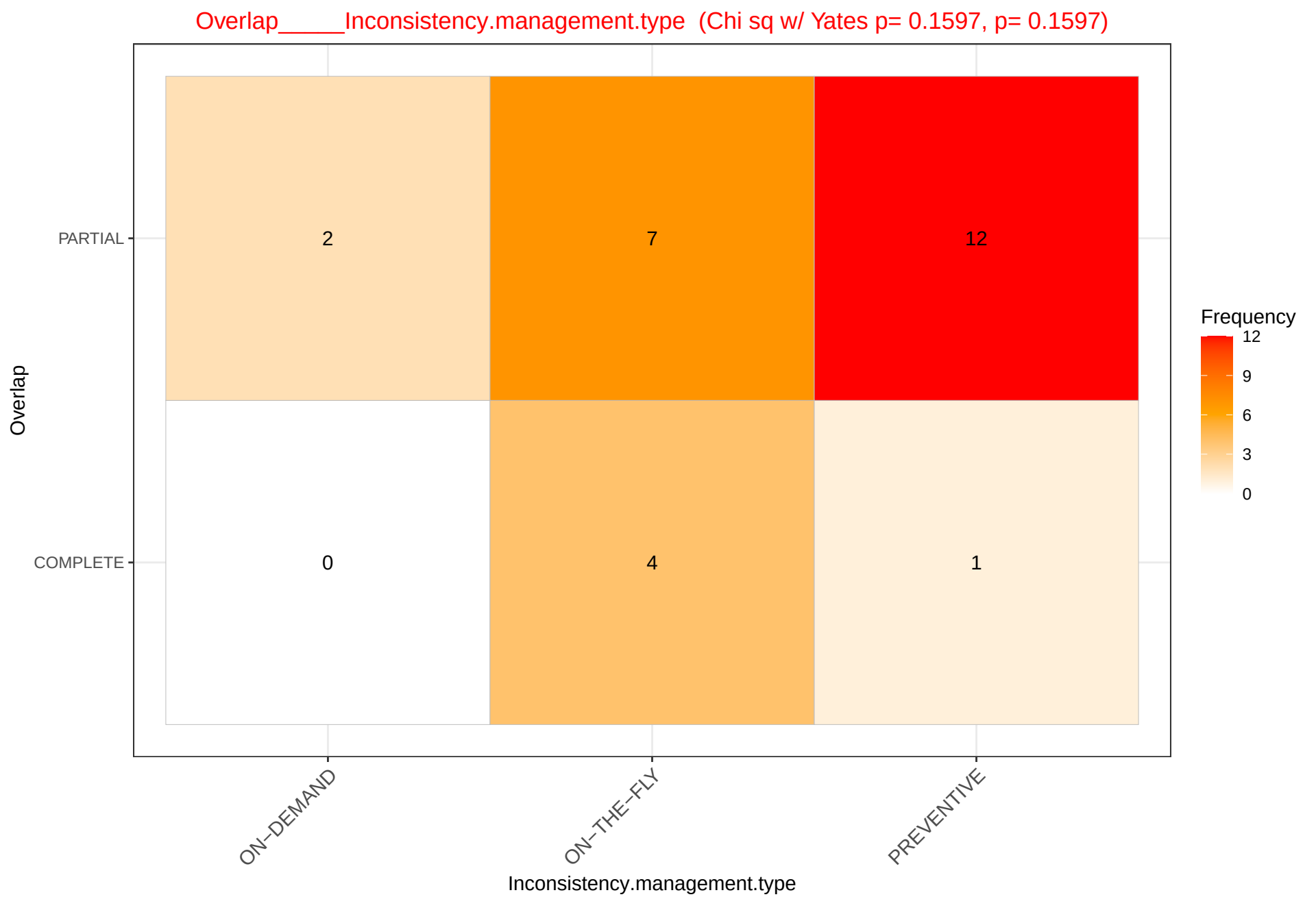

Overlap_____Mapping (Chi sq w/ Yates p= 1, p= 0.7503)
PARTIAL
COMPLETE
18
3
4
1
Overlap
PARSER−BASE
PROJECTIONAL
Mapping
Frequency
15
10
5
0

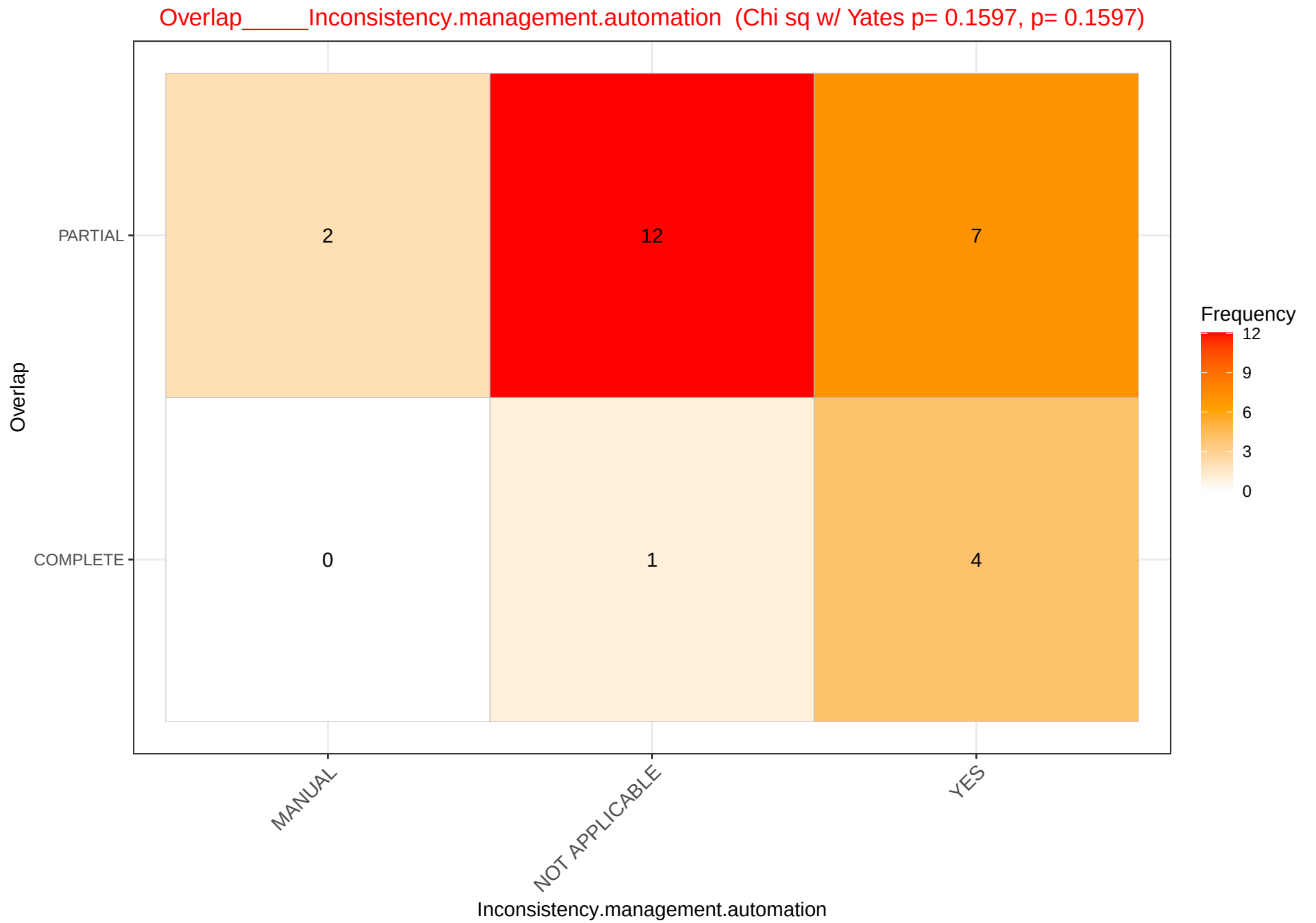

Overlap_____Platform (Chi sq w/ Yates p= 0.0281, p= 0.0281)
PARTIAL
COMPLETE
Overlap
13
10
0
4
0
1
ADHOC
ECLIPSE
MPS
Platform
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

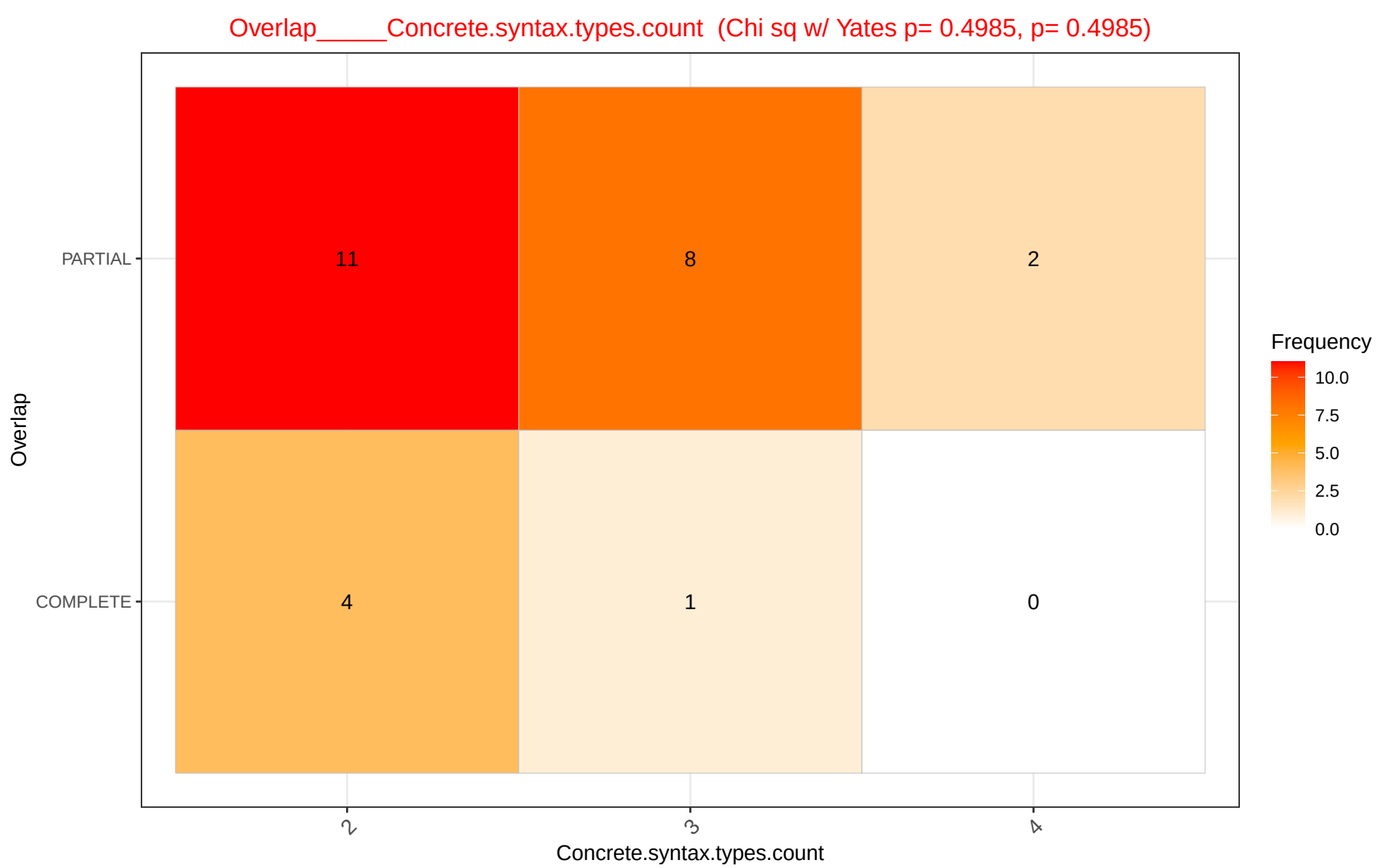

Overlap_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)
PARTIAL
COMPLETE
21
5
Overlap
Frequency
20
15
10
5
0
SEQUENTIAL
Change.propagation

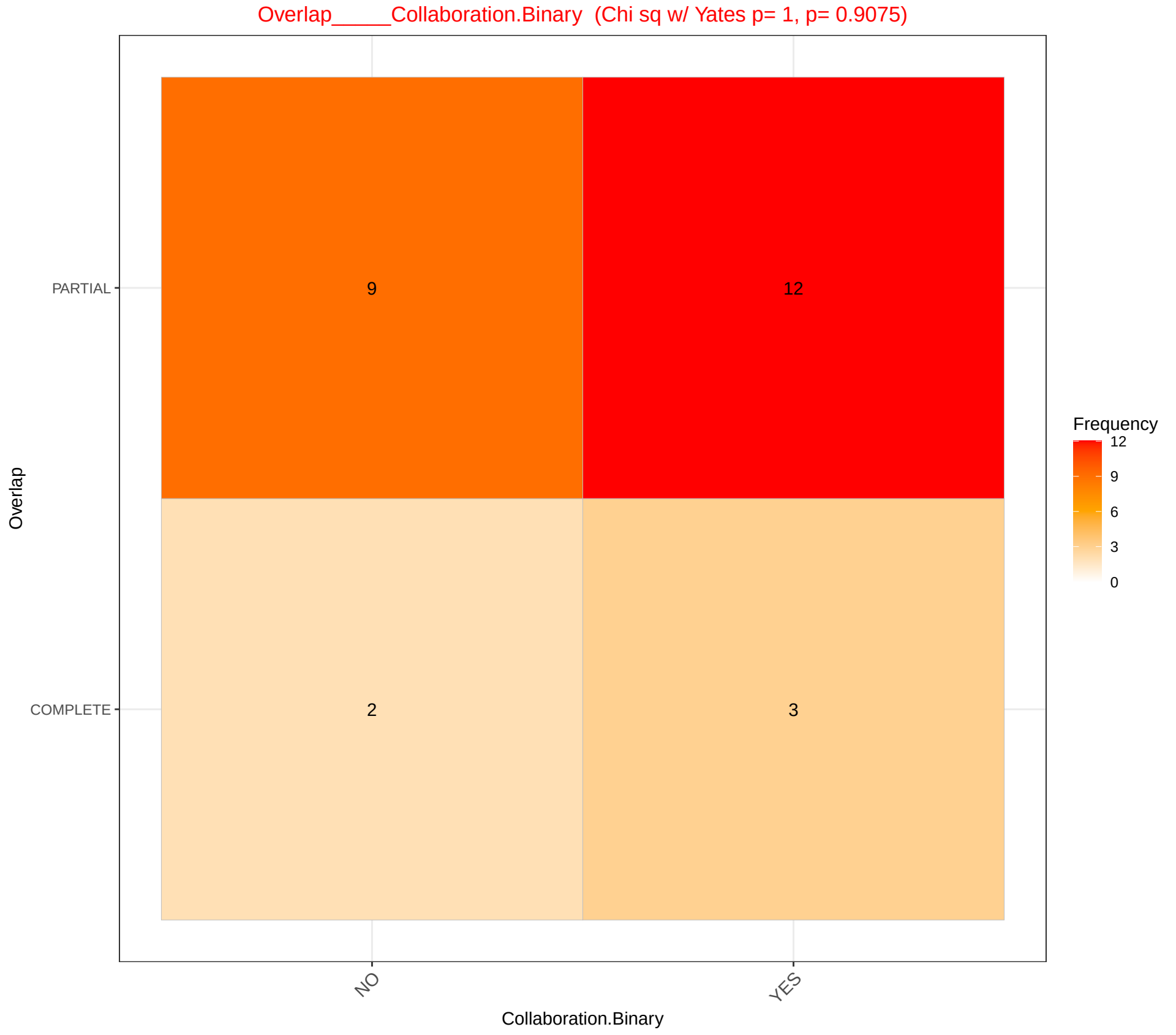

Overlap_____Traceability (Chi sq w/ Yates p= 0.7446, p= 0.2973)
PARTIAL
COMPLETE
Overlap
14
4
4
0
NO
YES
Traceability
Frequency
10
5
0

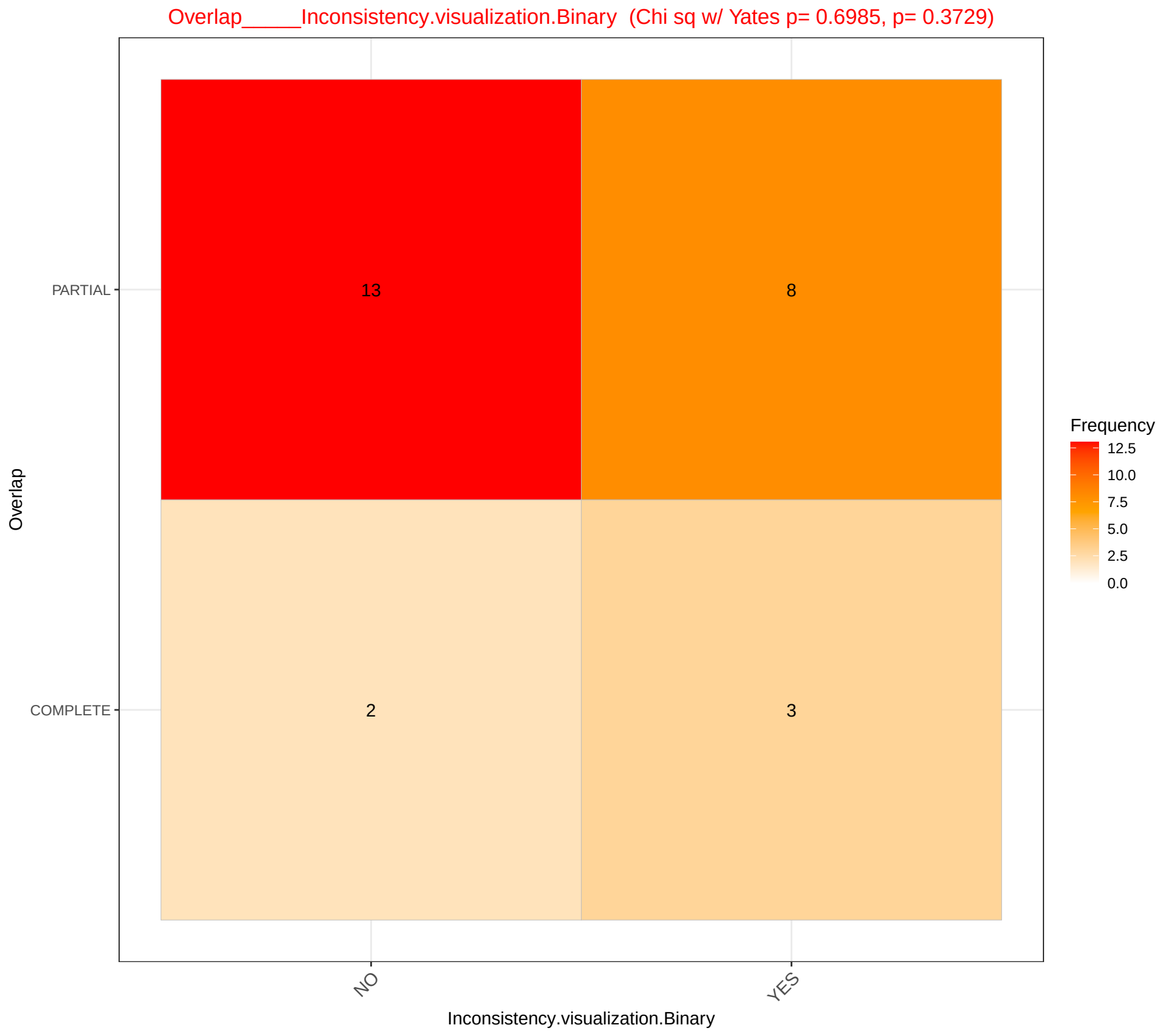

Overlap_____Inconsistency.visualization (Chi sq w/ Yates p= 0.2504, p= 0.2504)
PARTIAL
COMPLETE
Overlap
3
5
13
0
3
2
EXTERNAL
INTERNAL
NO
Inconsistency.visualization
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

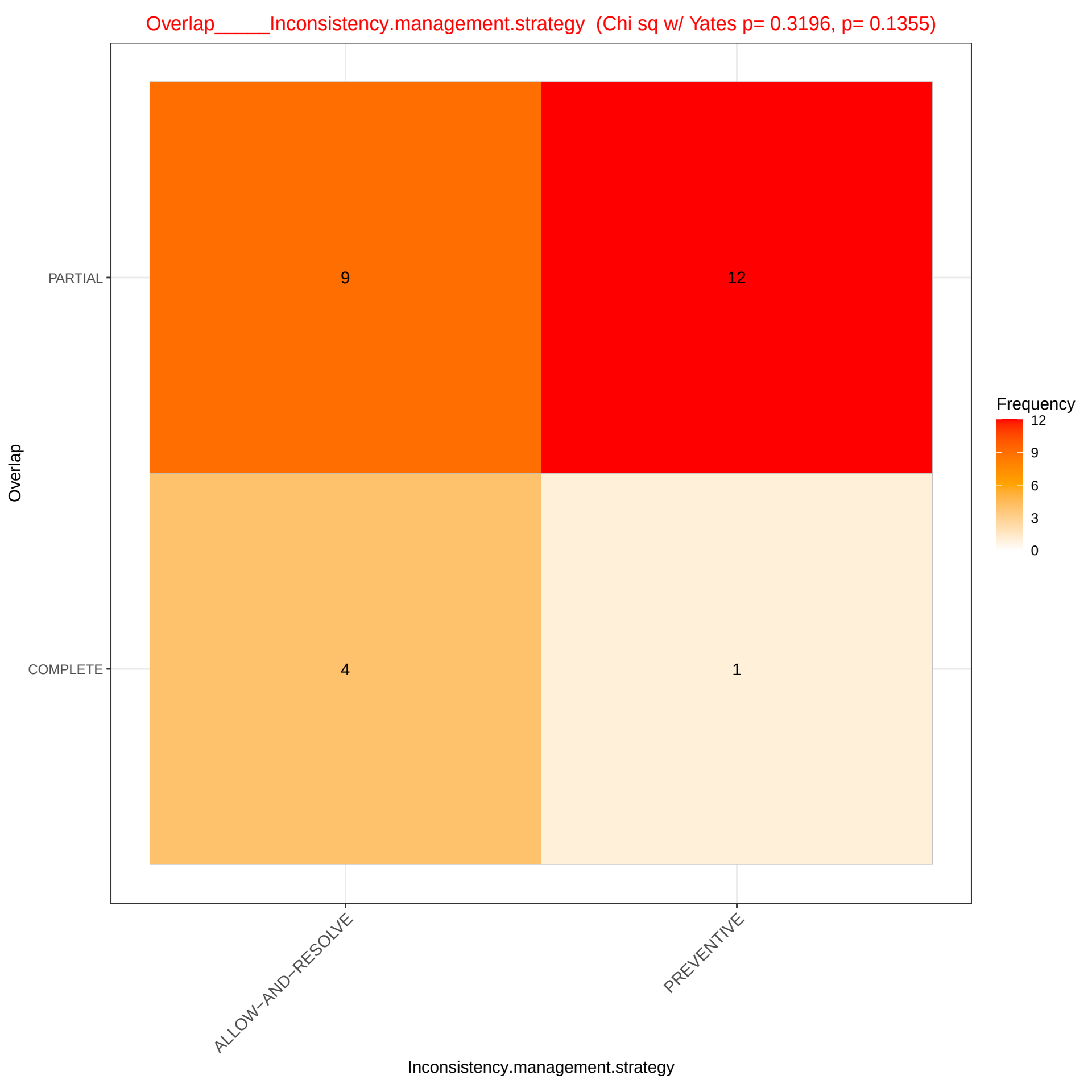

Overlap_____Inconsistency.management.type (Chi sq w/ Yates p= 0.1597, p= 0.1597)
PARTIAL
COMPLETE
Overlap
2
7
12
0
4
1
Frequency
12
9
6
3
0
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type

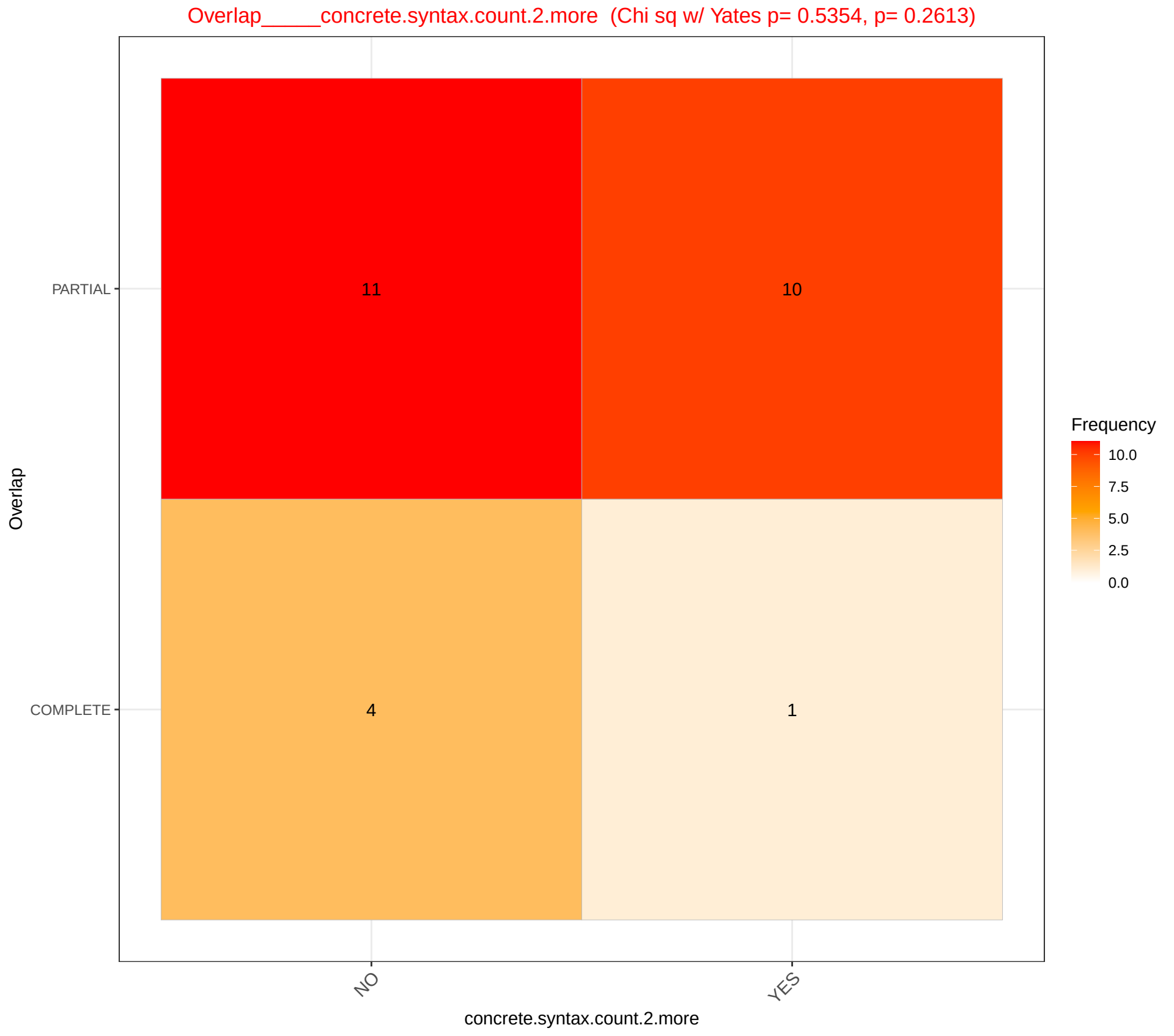

Overlap_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.1597, p= 0.1597)
PARTIAL
COMPLETE
Overlap
2
12
7
0
1
4
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
12
9
6
3
0

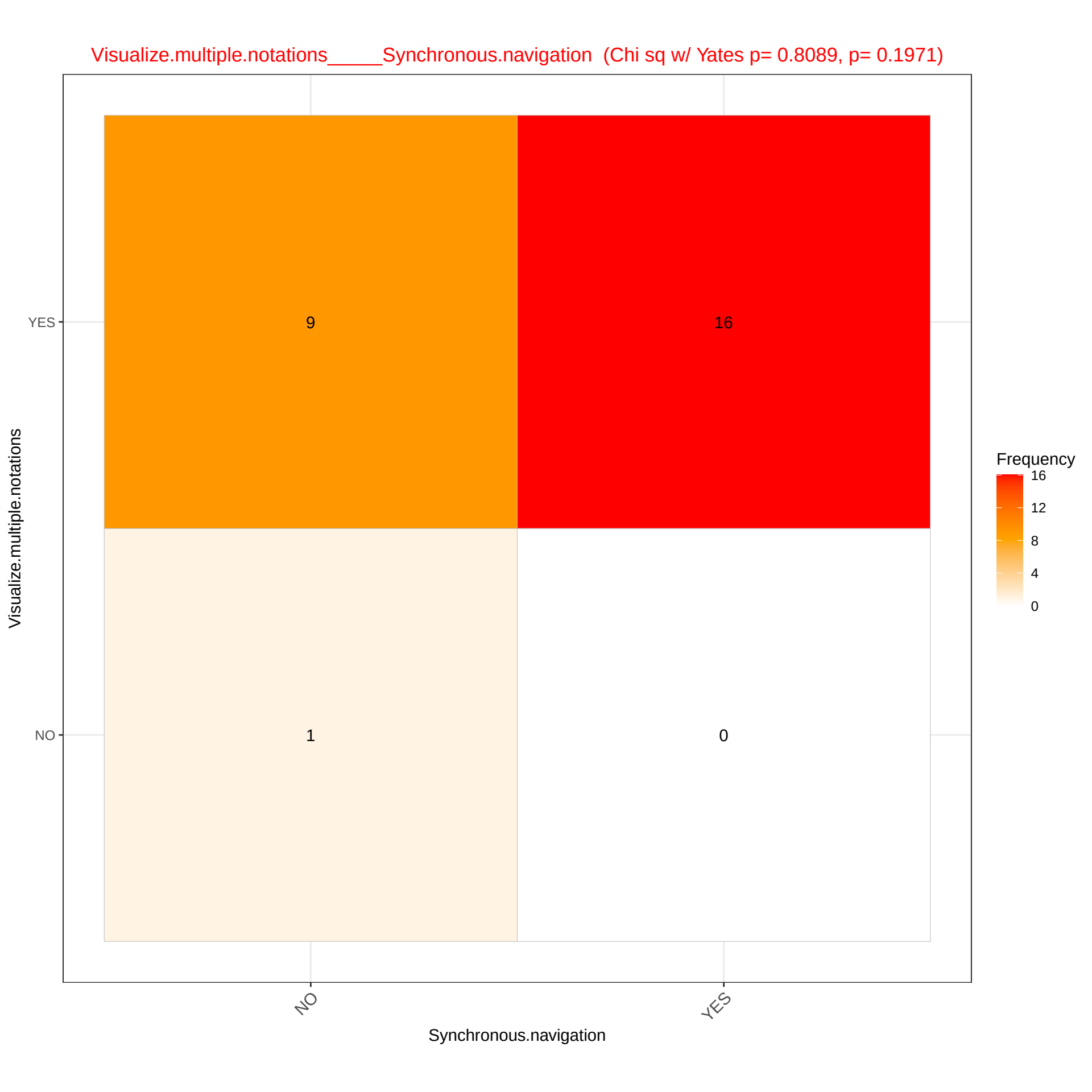

Overlap_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.4985, p= 0.4985)
PARTIAL
COMPLETE
Overlap
11
8
2
4
1
0
2
3
4
Concrete.syntax.types.count
Frequency
10.0
7.5
5.0
2.5
0.0

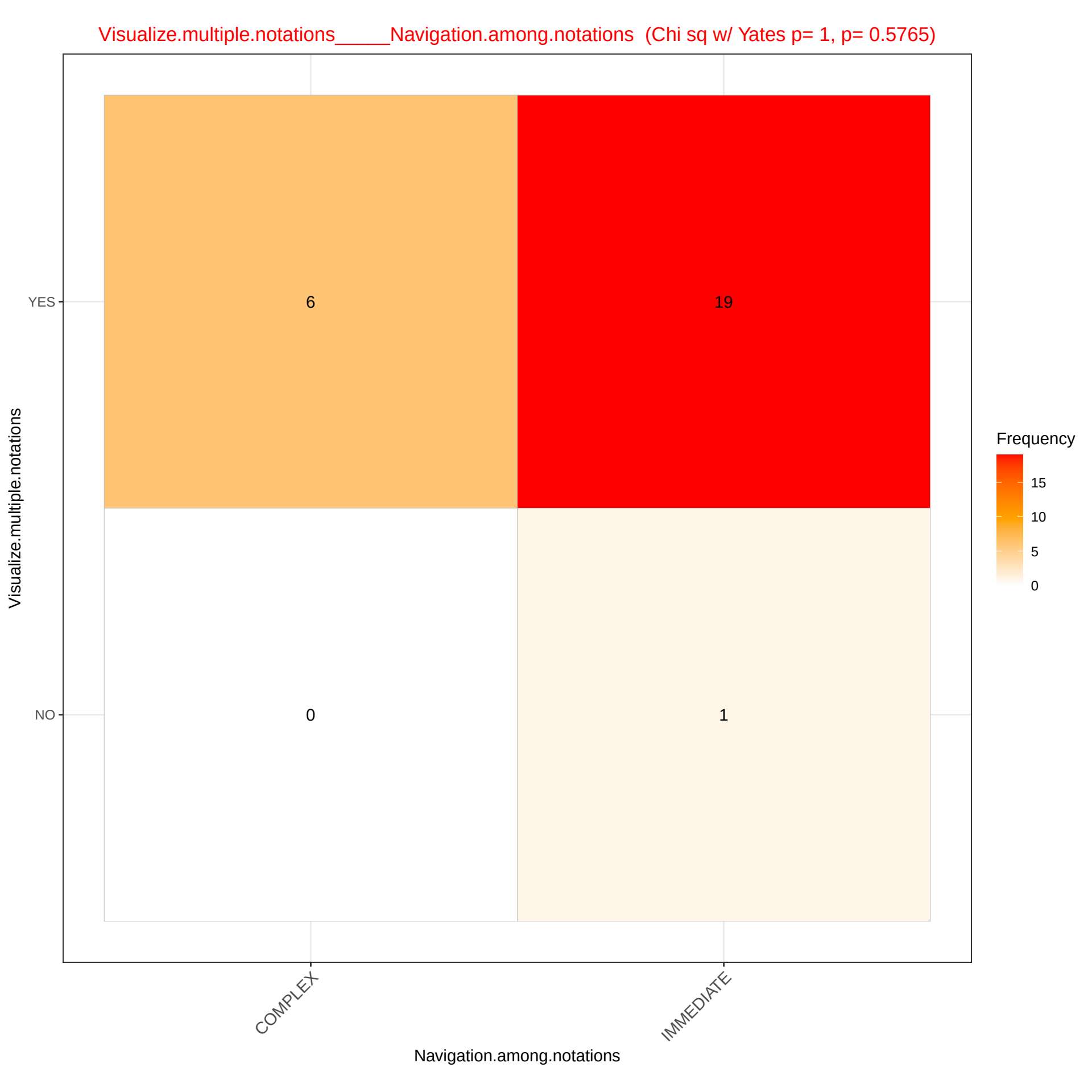

Overlap_____Collaboration.Binary (Chi sq w/ Yates p= 1, p= 0.9075)
PARTIAL
COMPLETE
9
12
2
3
Overlap
NO
YES
Collaboration.Binary
Frequency
12
9
6
3
0

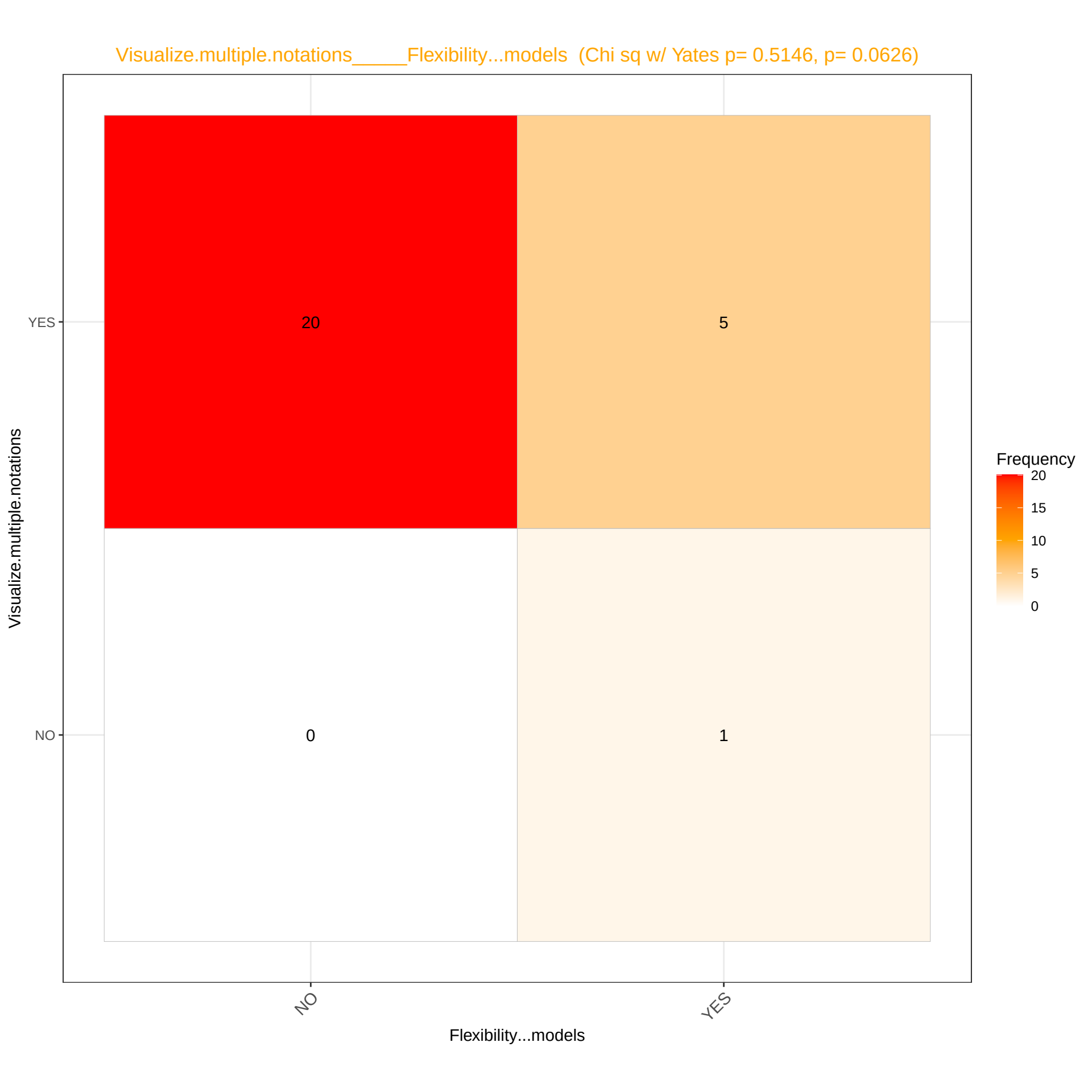

Overlap_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.6985, p= 0.3729)
PARTIAL
COMPLETE
13
8
2
3
Overlap
NO
YES
Inconsistency.visualization.Binary
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

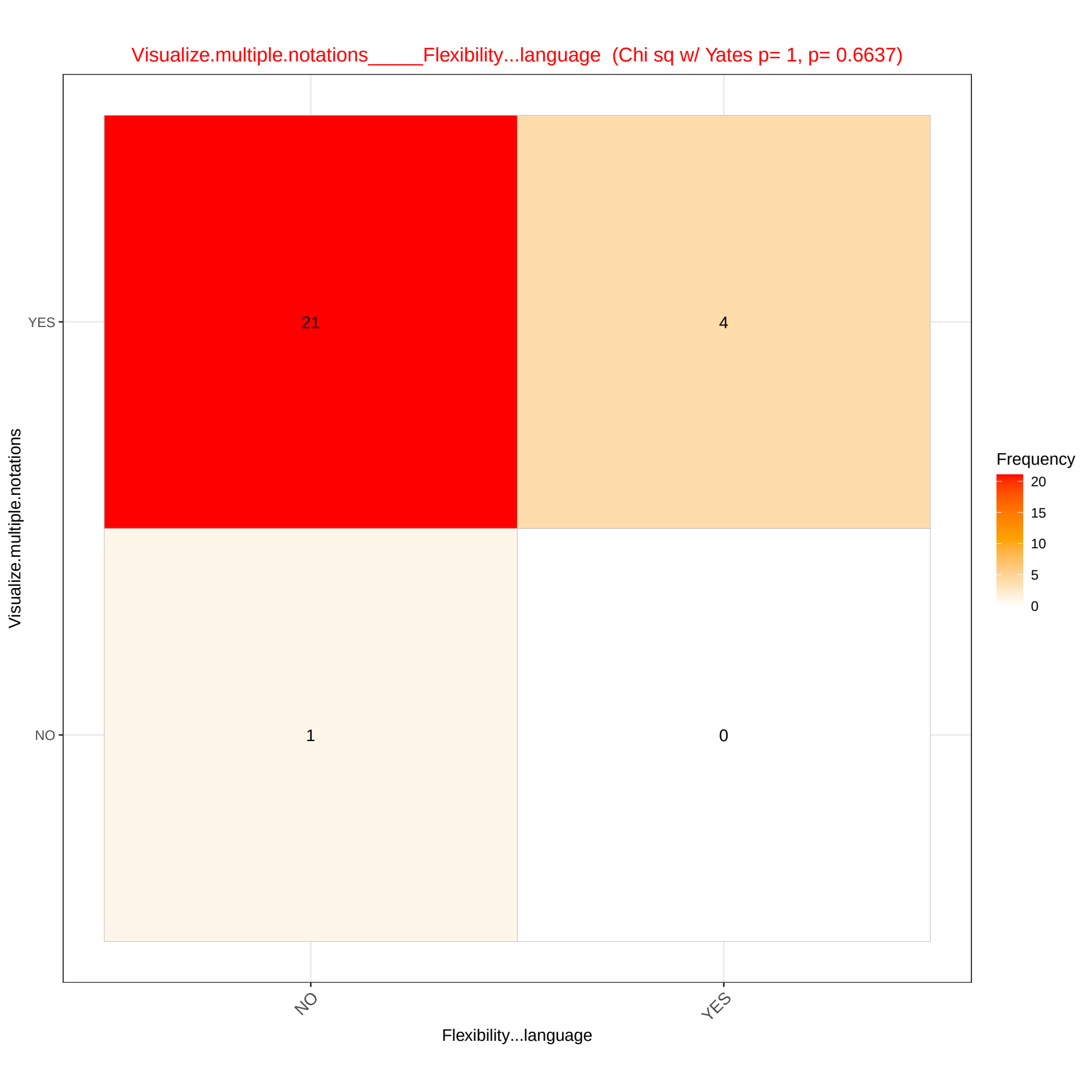

Overlap_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.3196, p= 0.1355)
PARTIAL
COMPLETE
9
12
4
1
Overlap
ALLOW-AND-RESOLVE
PREVENTIVE
Inconsistency.management.strategy
Frequency
12
9
6
3
0

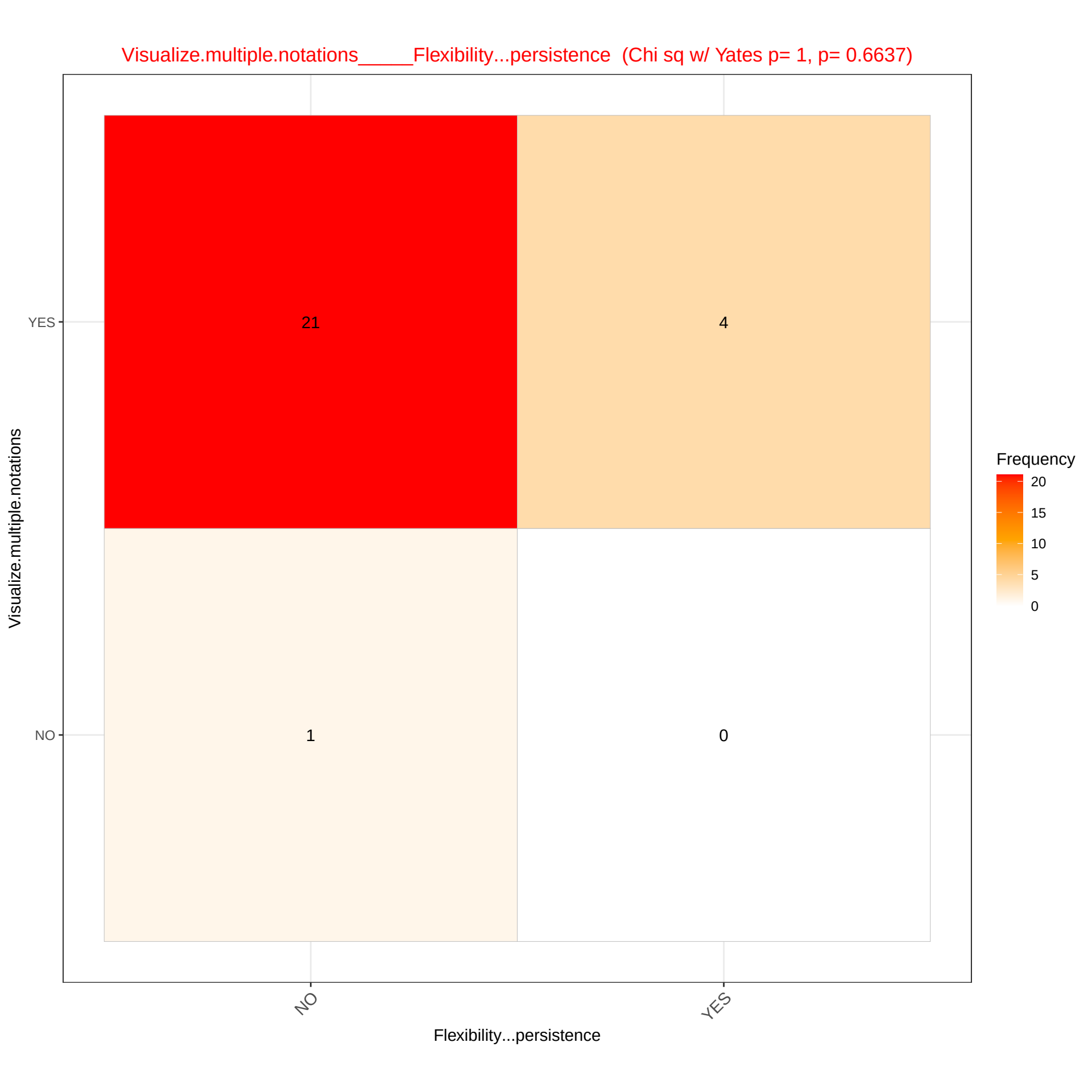

Overlap_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.5354, p= 0.2613)
PARTIAL
COMPLETE
Overlap
11
10
4
1
NO
YES
concrete.syntax.count.2.more
Frequency
10.0
7.5
5.0
2.5
0.0

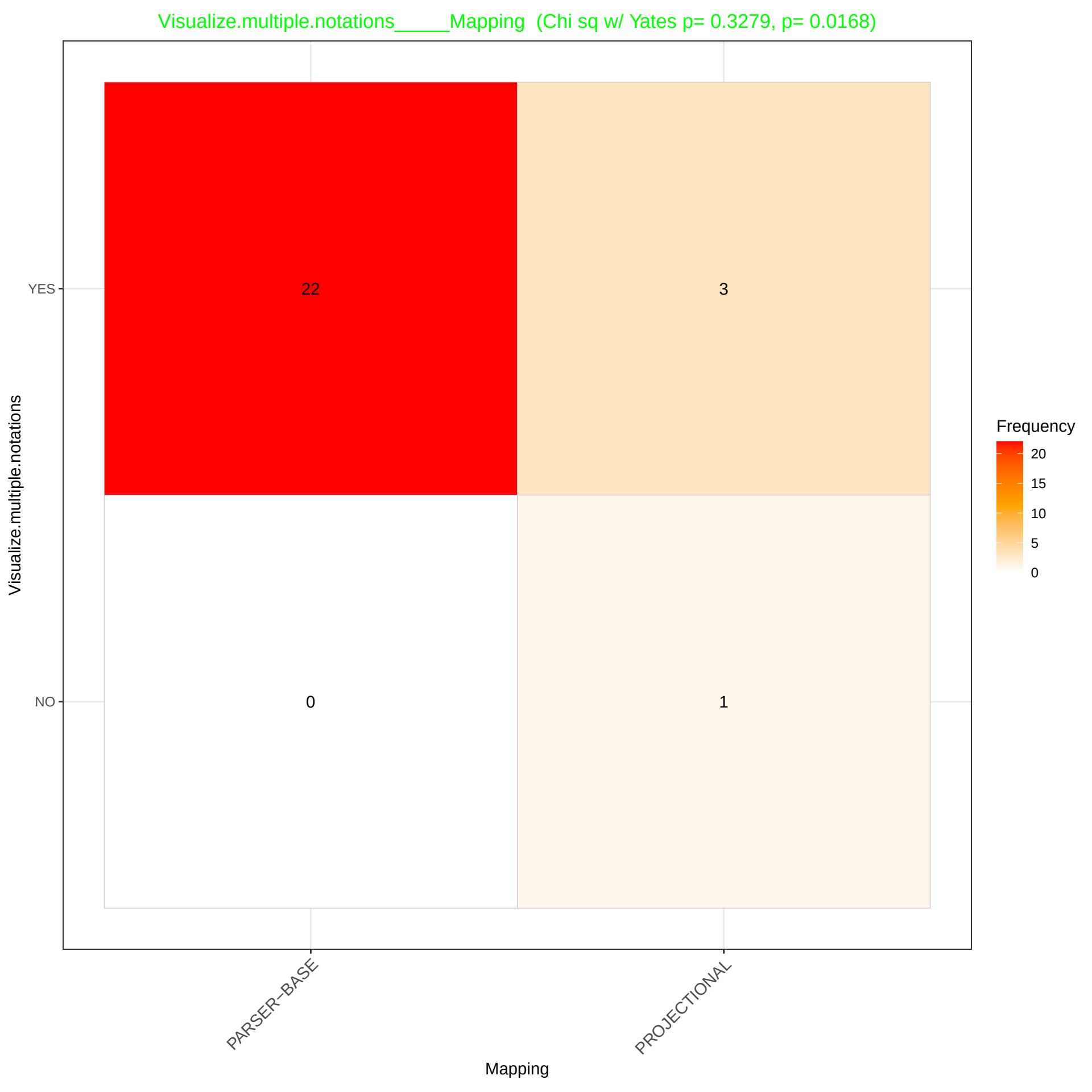

Visualize.multiple.notations_____Synchronous.navigation (Chi sq w/ Yates p= 0.8089, p= 0.1971)
YES
NO
9
16
1
0
Visualize.multiple.notations
NO
YES
Synchronous.navigation
Frequency
16
12
8
4
0

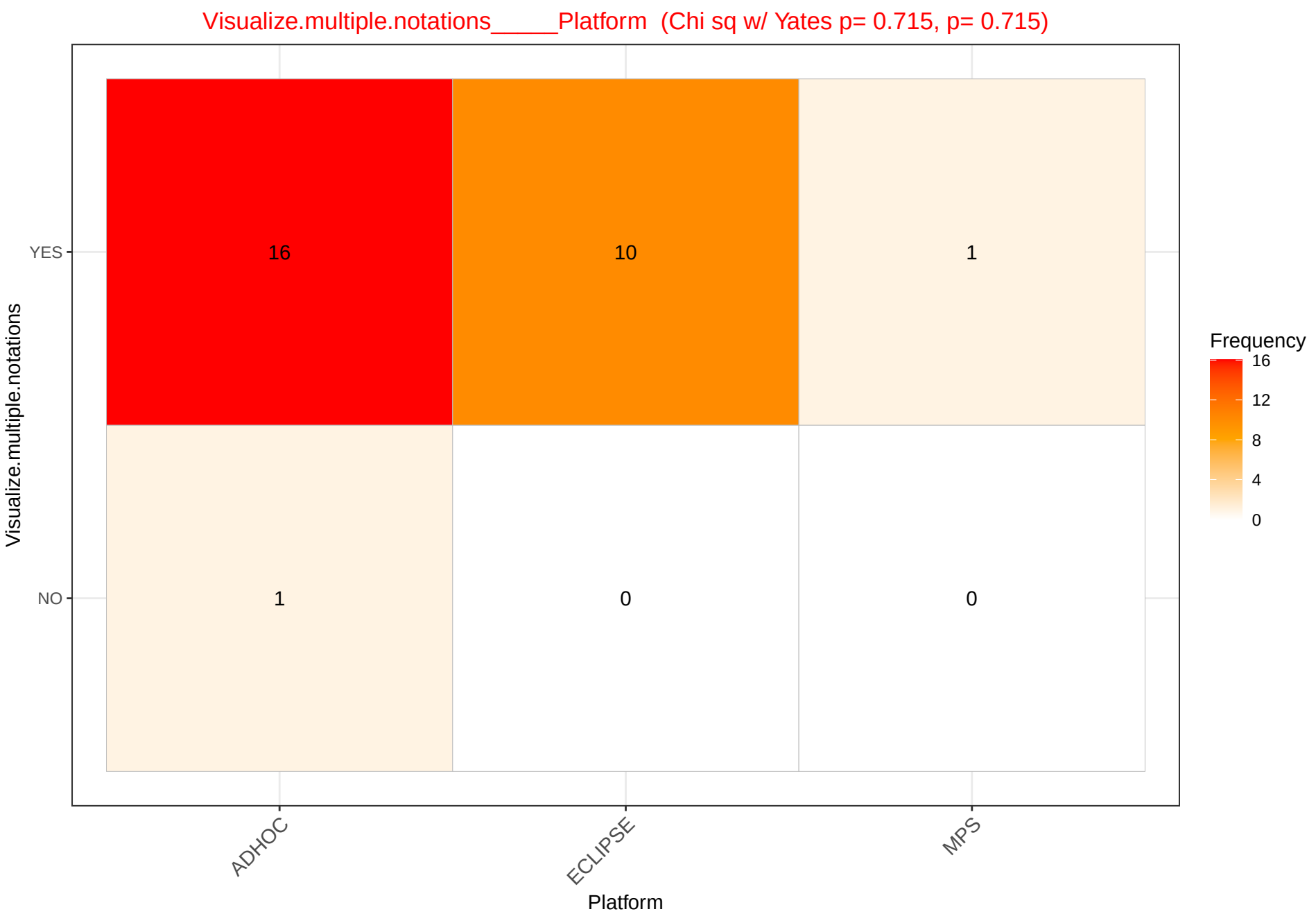

Visualize.multiple.notations_____Navigation.among.notations (Chi sq w/ Yates p= 1, p= 0.5765)
YES
NO
6
19
0
1
Visualize.multiple.notations
COMPLEX
IMMEDIATE
Navigation.among.notations
Frequency
15
10
5
0


Visualize.multiple.notations_____Flexibility...models (Chi sq w/ Yates p= 0.5146, p= 0.0626)
YES
NO
20
5
0
1
Visualize.multiple.notations
NO
YES
Flexibility...models
Frequency
20
15
10
5
0

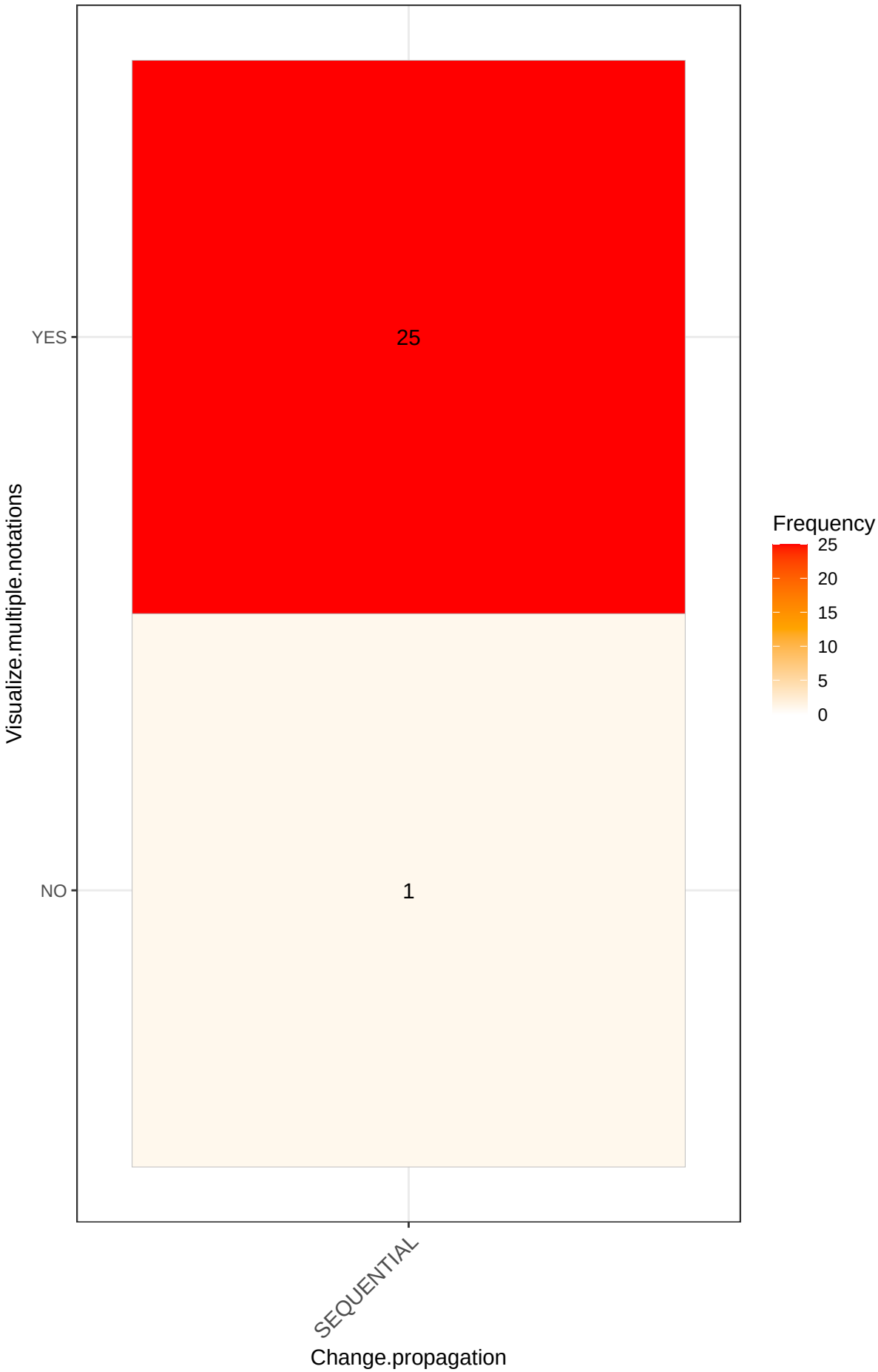

Visualize.multiple.notations_____Flexibility...language (Chi sq w/ Yates p= 1, p= 0.6637)
YES
NO
21
4
1
0
Visualize.multiple.notations
NO
YES
Flexibility...language
Frequency
20
15
10
5
0

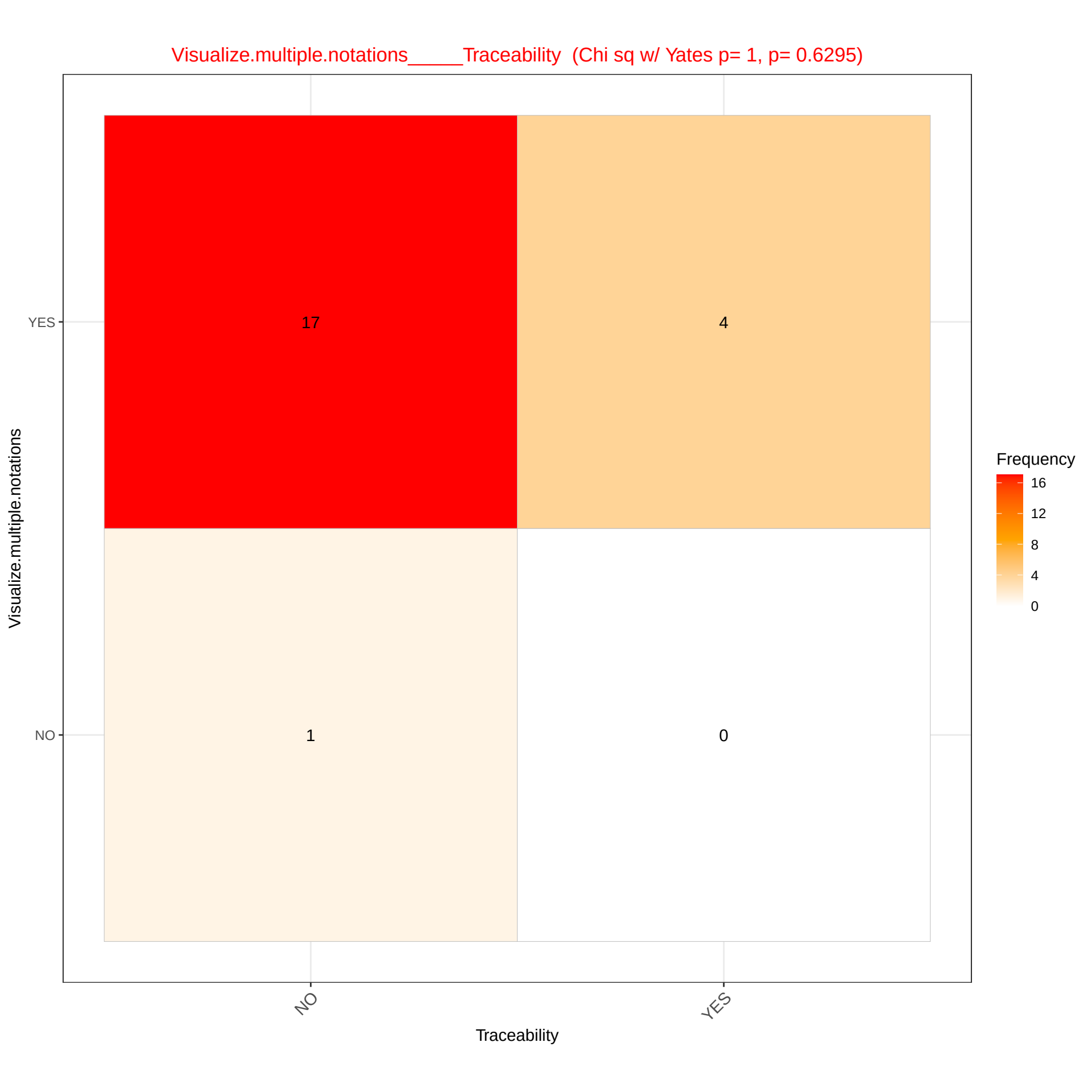

Visualize.multiple.notations_____Flexibility...persistence (Chi sq w/ Yates p= 1, p= 0.6637)
YES
NO
21
4
1
0
Visualize.multiple.notations
NO
YES
Flexibility...persistence
Frequency
20
15
10
5
0

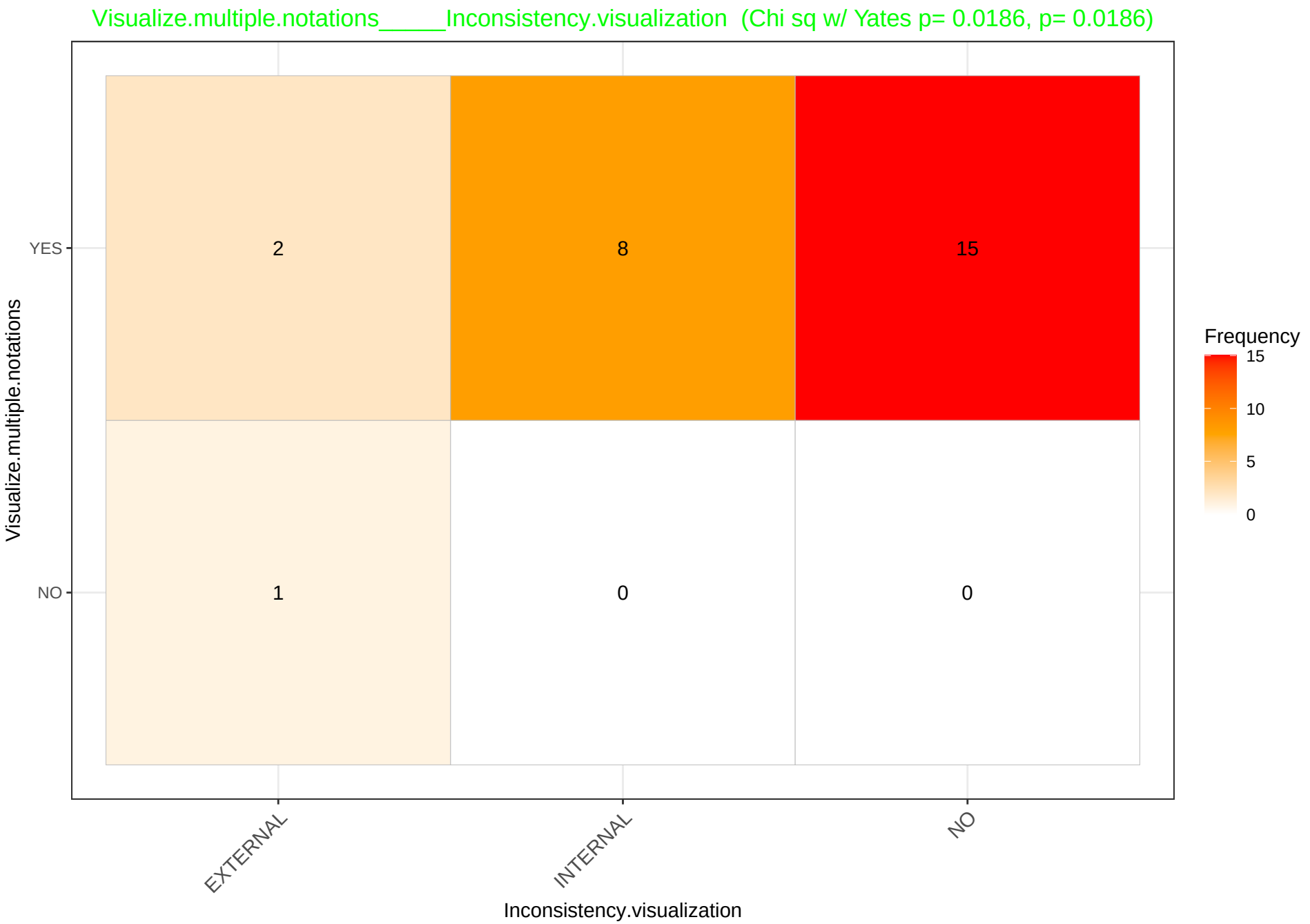

Visualize.multiple.notations_____Mapping (Chi sq w/ Yates p= 0.3279, p= 0.0168)
YES
NO
22
3
0
1
Visualize.multiple.notations
PARSER−BASE
PROJECTIONAL
Mapping
Frequency
20
15
10
5
0

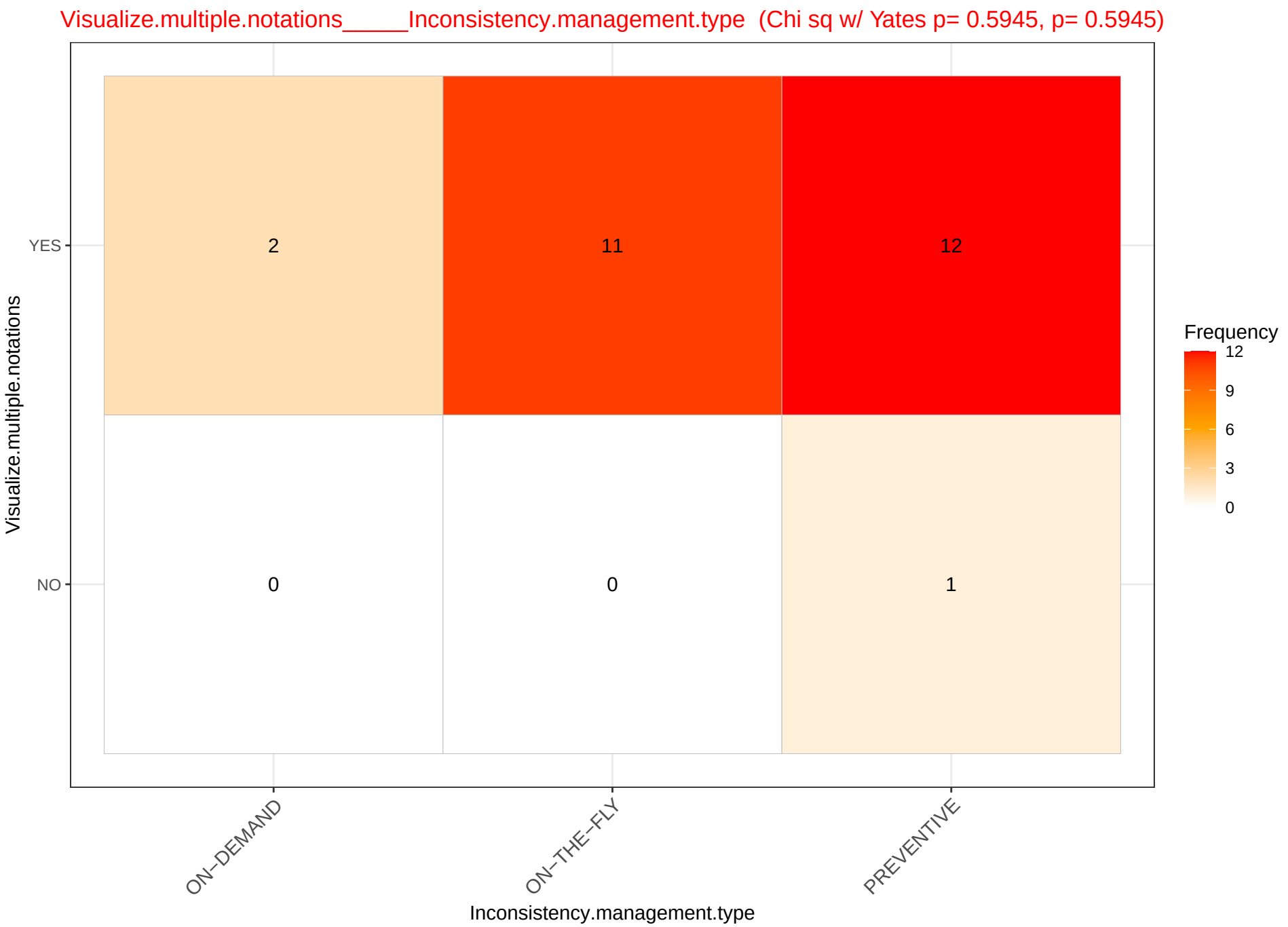

Visualize.multiple.notations_____Platform (Chi sq w/ Yates p= 0.715, p= 0.715)
YES
NO
16
10
1
1
0
0
Visualize.multiple.notations
ADHOC
ECLIPSE
MPS
Platform
Frequency
16
12
8
4
0

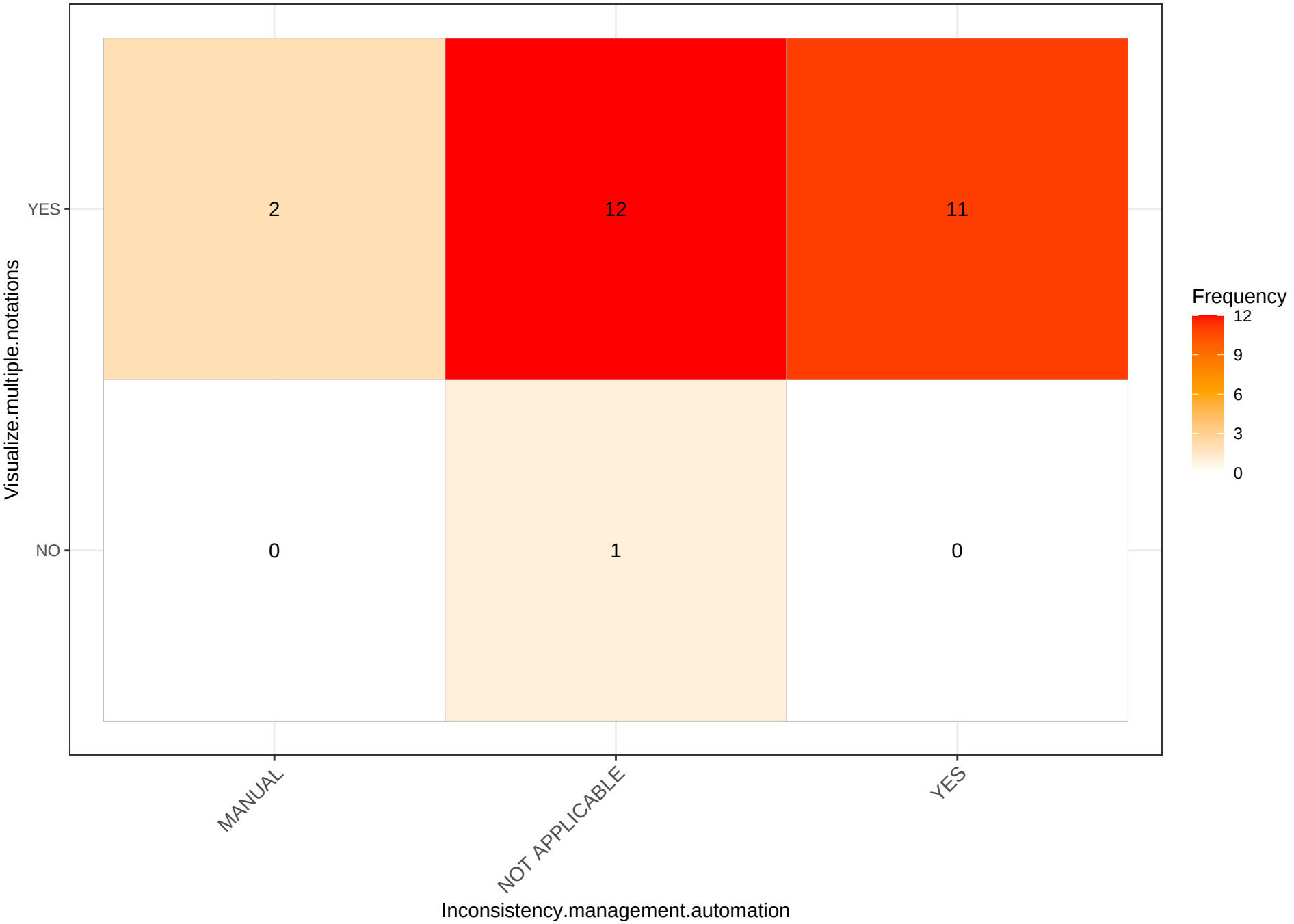
Visualize.multiple.notations_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)

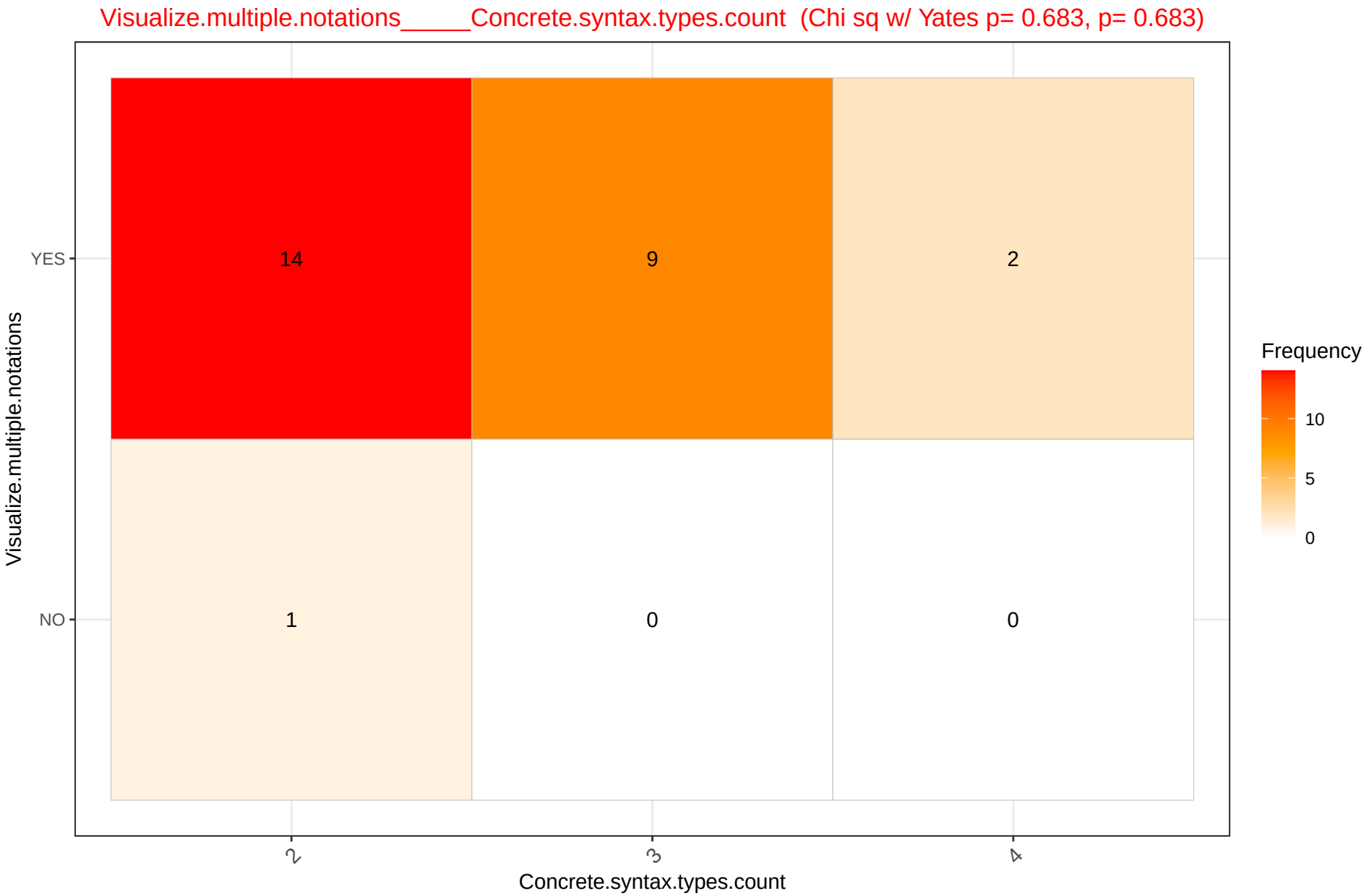


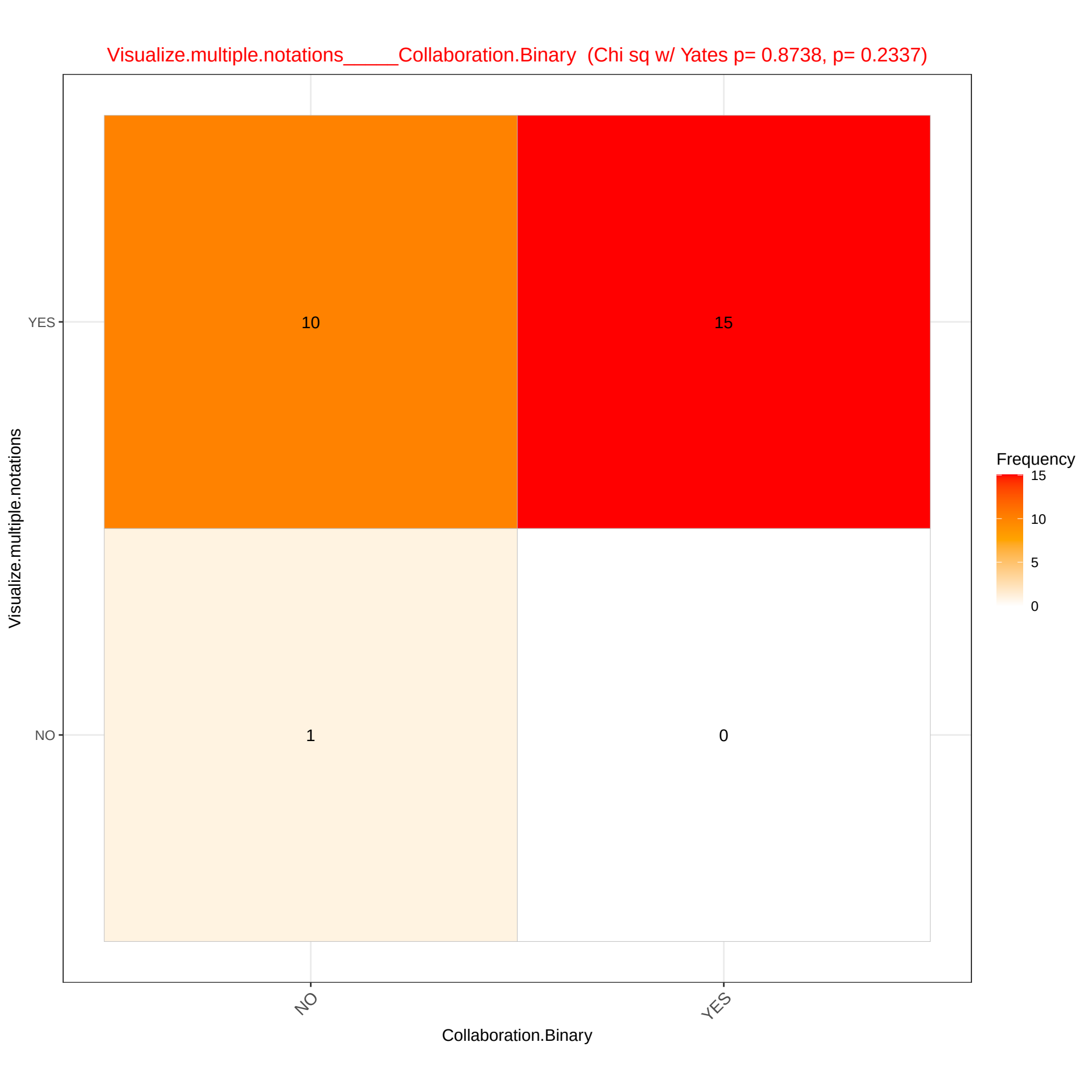

Visualize.multiple.notations_____Traceability (Chi sq w/ Yates p= 1, p= 0.6295)
YES
NO
17
4
1
0
Visualize.multiple.notations
NO
YES
Traceability
Frequency
16
12
8
4
0

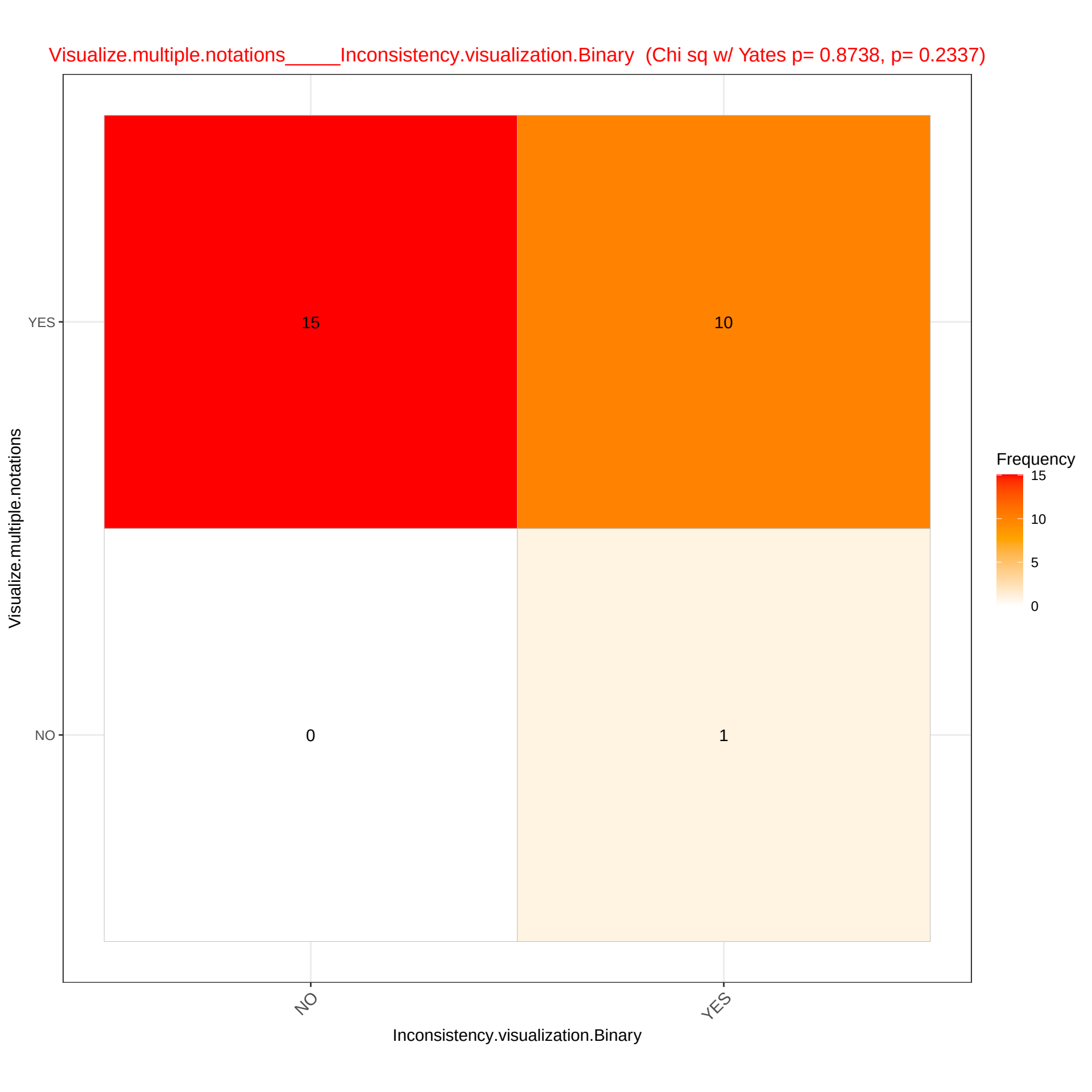

Visualize.multiple.notations_____Inconsistency.visualization (Chi sq w/ Yates p= 0.0186, p= 0.0186)
YES
NO
2
8
15
1
0
0
Visualize.multiple.notations
EXTERNAL
INTERNAL
NO
Inconsistency.visualization
Frequency
15
10
5
0

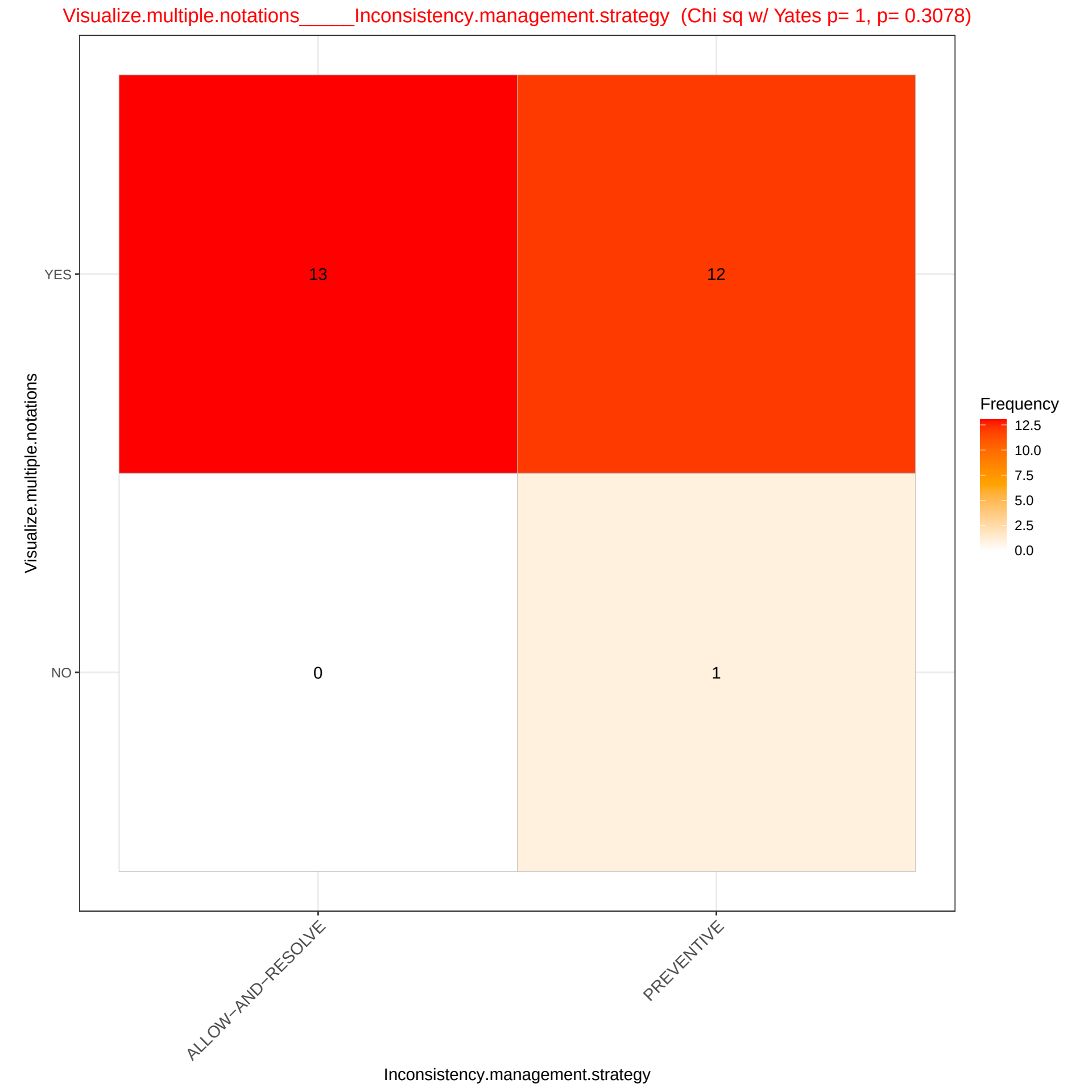

Visualize.multiple.notations_____Inconsistency.management.type (Chi sq w/ Yates p= 0.5945, p= 0.5945)
YES
NO
2
11
12
0
0
1
Visualize.multiple.notations
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type
Frequency
12
9
6
3
0

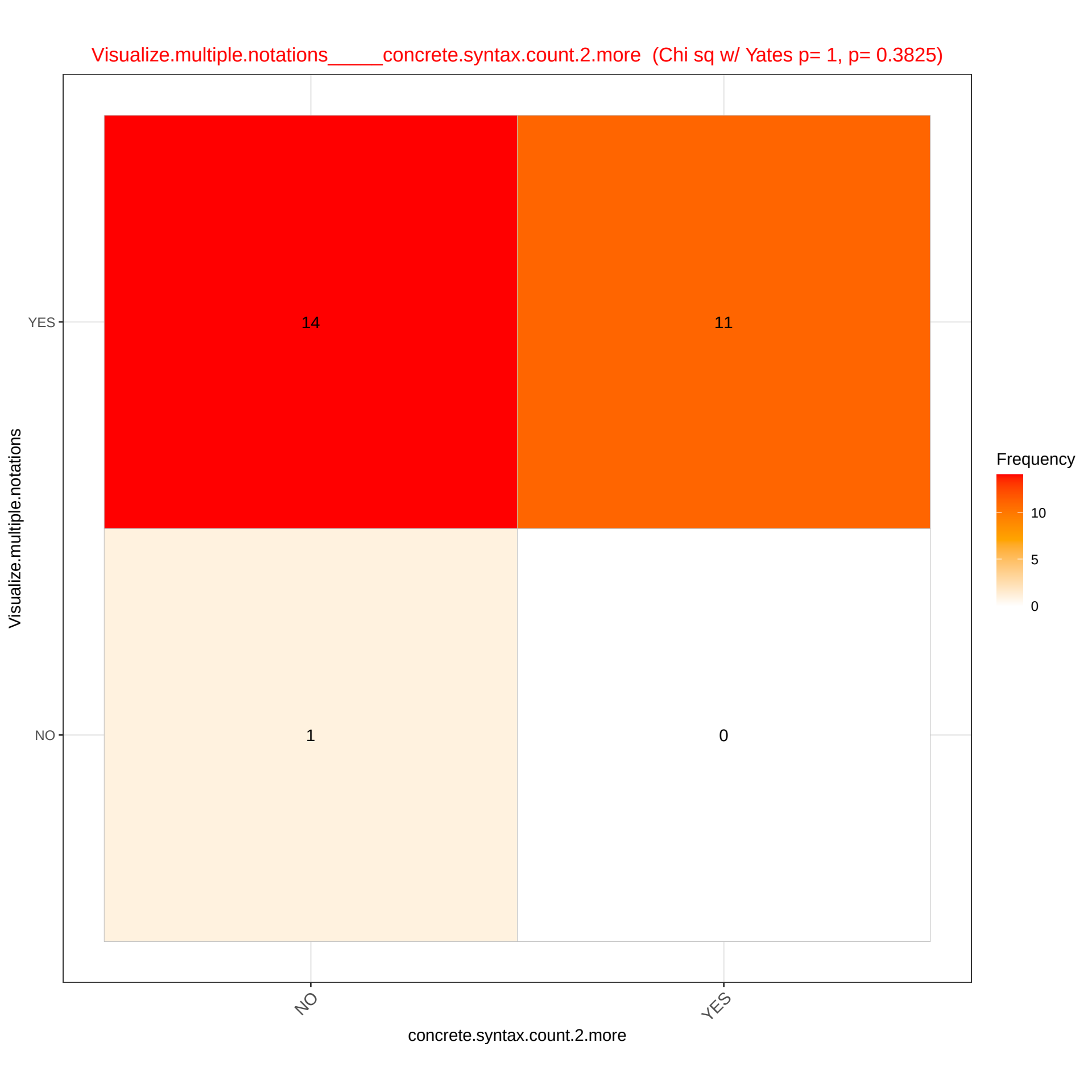

Visualize.multiple.notations_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.5945, p= 0.5945)
YES
NO
Visualize.multiple.notations
2
12
11
0
1
0
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
12
9
6
3
0

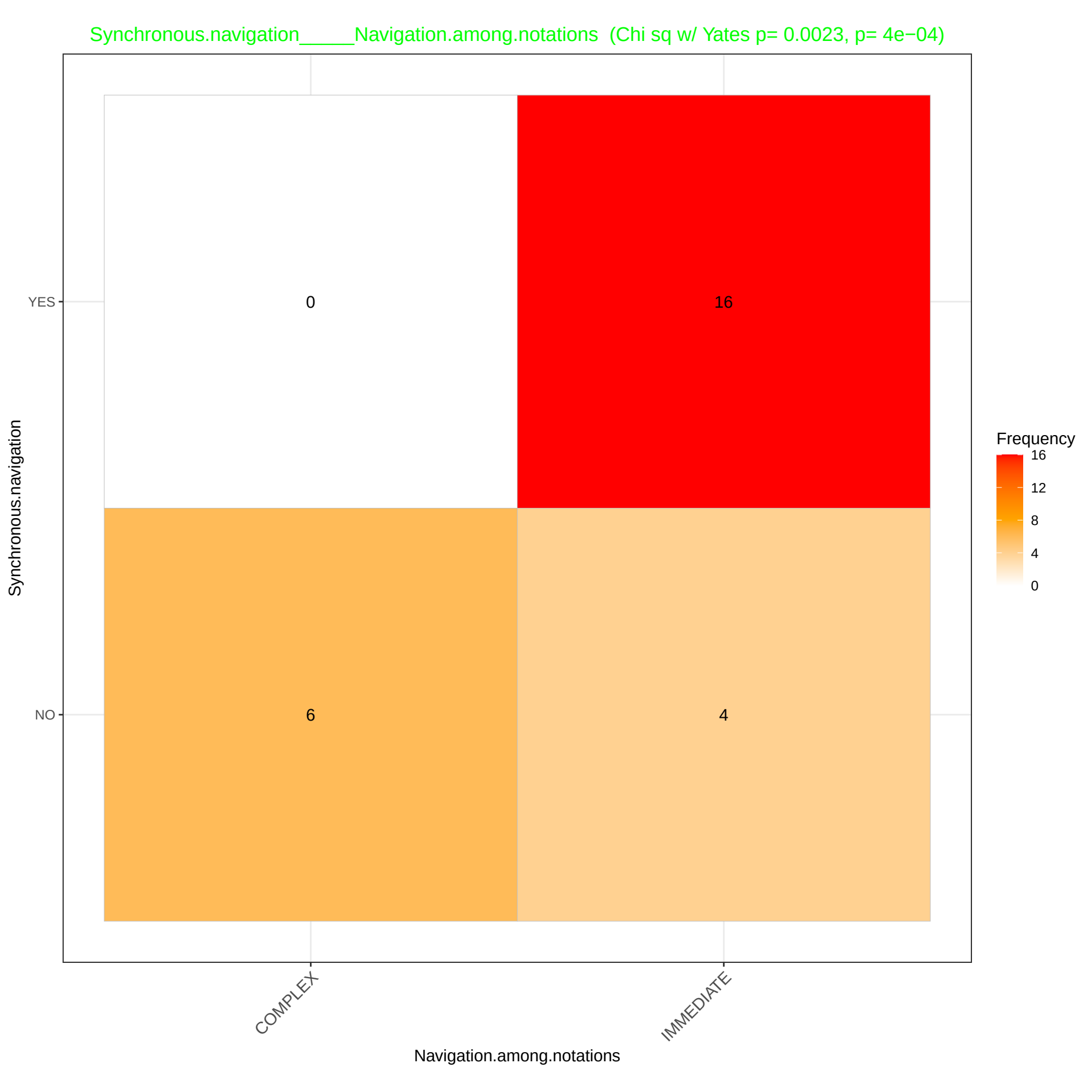

Visualize.multiple.notations_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.683, p= 0.683)
YES
NO
14
9
2
1
0
0
Visualize.multiple.notations
2
3
4
Concrete.syntax.types.count
Frequency
10
5
0

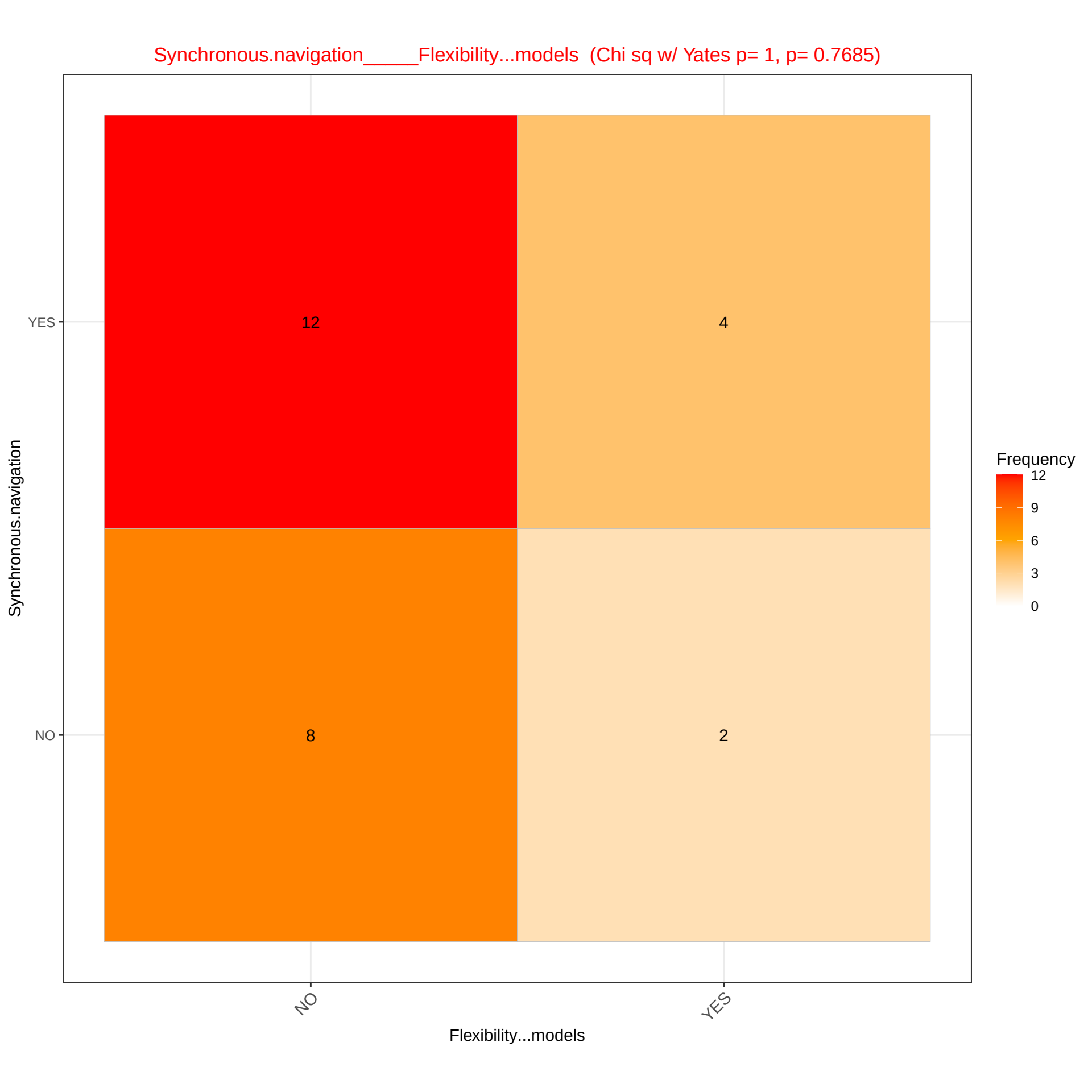

Visualize.multiple.notations_____Collaboration.Binary (Chi sq w/ Yates p= 0.8738, p= 0.2337)
YES
NO
10
15
1
0
Visualize.multiple.notations
NO
YES
Collaboration.Binary
Frequency
15
10
5
0

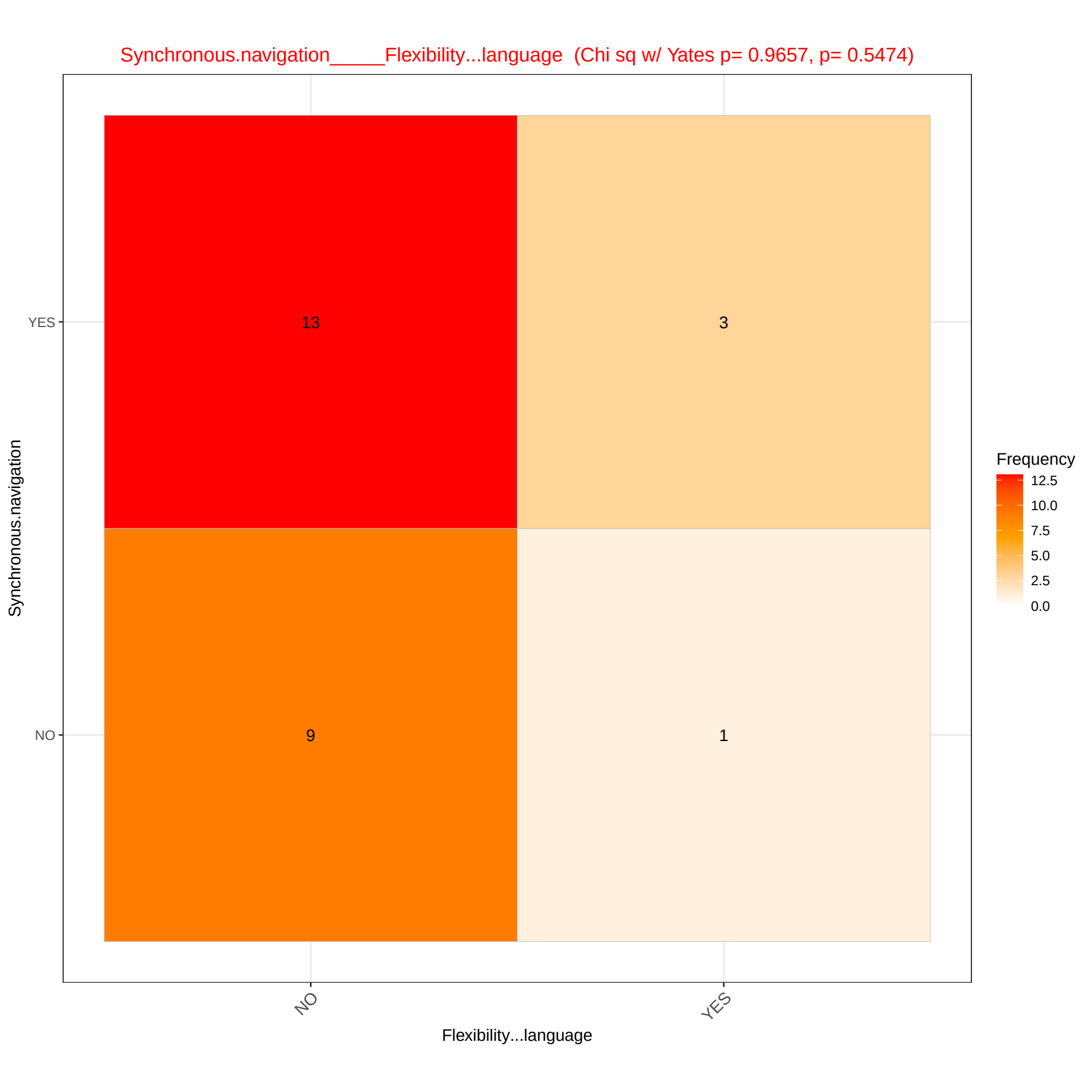

Visualize.multiple.notations_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.8738, p= 0.2337)
YES
NO
15
10
0
1
Visualize.multiple.notations
NO
YES
Inconsistency.visualization.Binary
Frequency
15
10
5
0

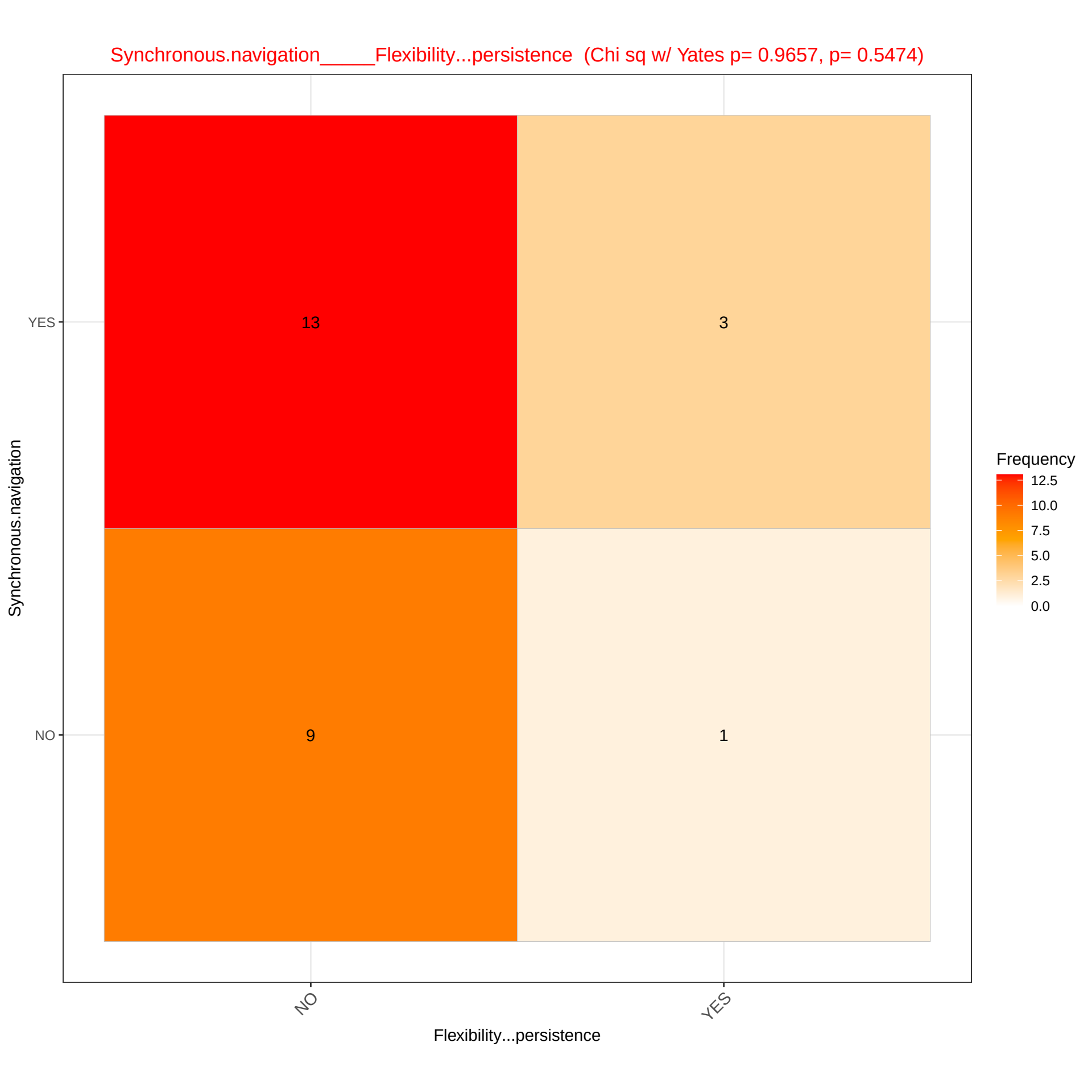

Visualize.multiple.notations_____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 0.3078)
YES
NO
13
12
0
1
Visualize.multiple.notations
Frequency
12.5
10.0
7.5
5.0
2.5
0.0
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy

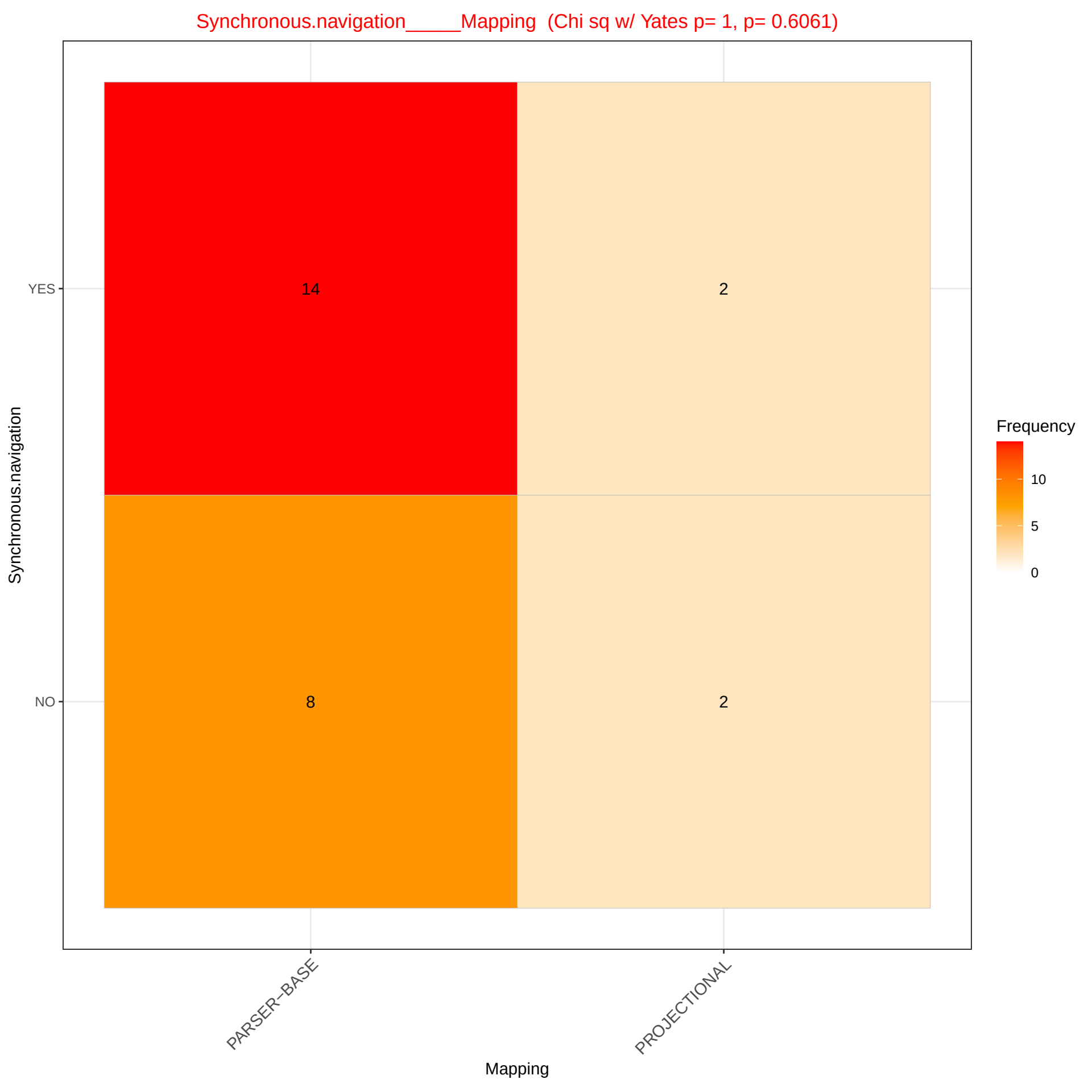

Visualize.multiple.notations_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 1, p= 0.3825)
YES
NO
14
11
1
0
Visualize.multiple.notations
NO
YES
concrete.syntax.count.2.more
Frequency
10
5
0

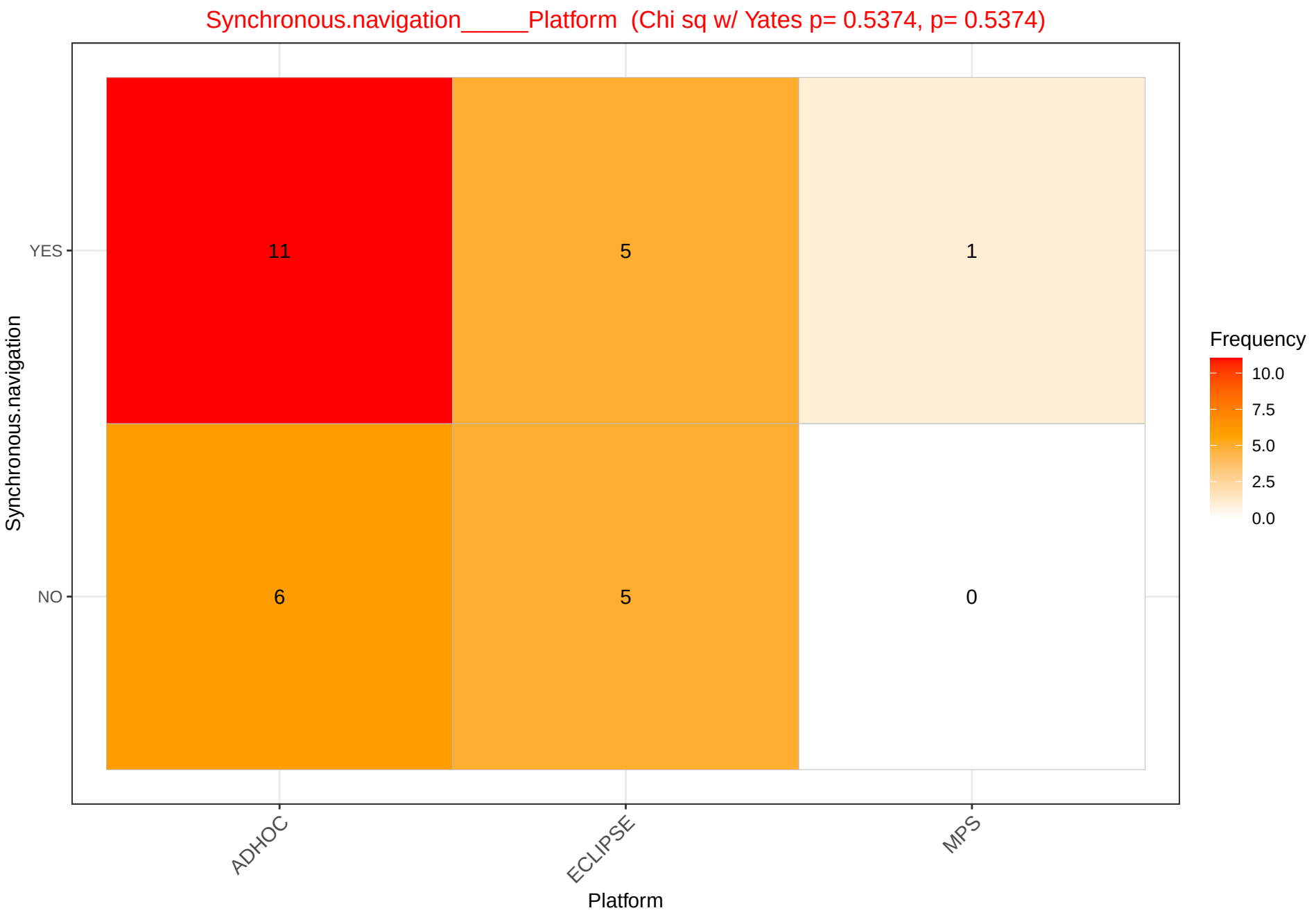

Synchronous.navigation_____Navigation.among.notations (Chi sq w/ Yates p= 0.0023, p= 4e−04)
YES
NO
0
16
6
4
Synchronous.navigation
COMPLEX
IMMEDIATE
Navigation.among.notations
Frequency
16
12
8
4
0


Synchronous.navigation_____Flexibility...models (Chi sq w/ Yates p= 1, p= 0.7685)
YES
NO
12
4
8
2
Synchronous.navigation
NO
YES
Flexibility...models
Frequency
12
9
6
3
0

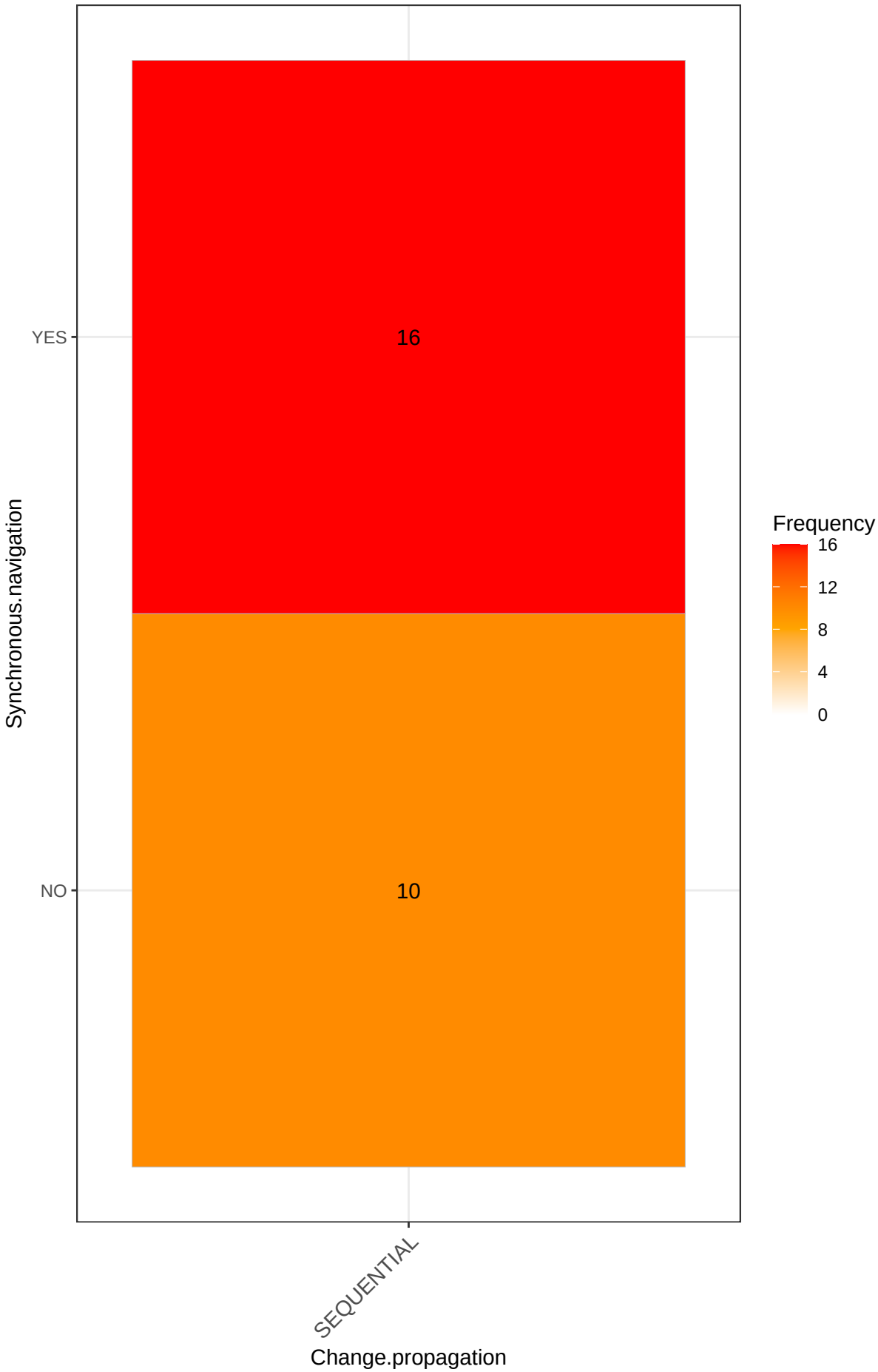

Synchronous.navigation_____Flexibility...language (Chi sq w/ Yates p= 0.9657, p= 0.5474)
YES
NO
13
3
9
1
Synchronous.navigation
NO
YES
Flexibility...language
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

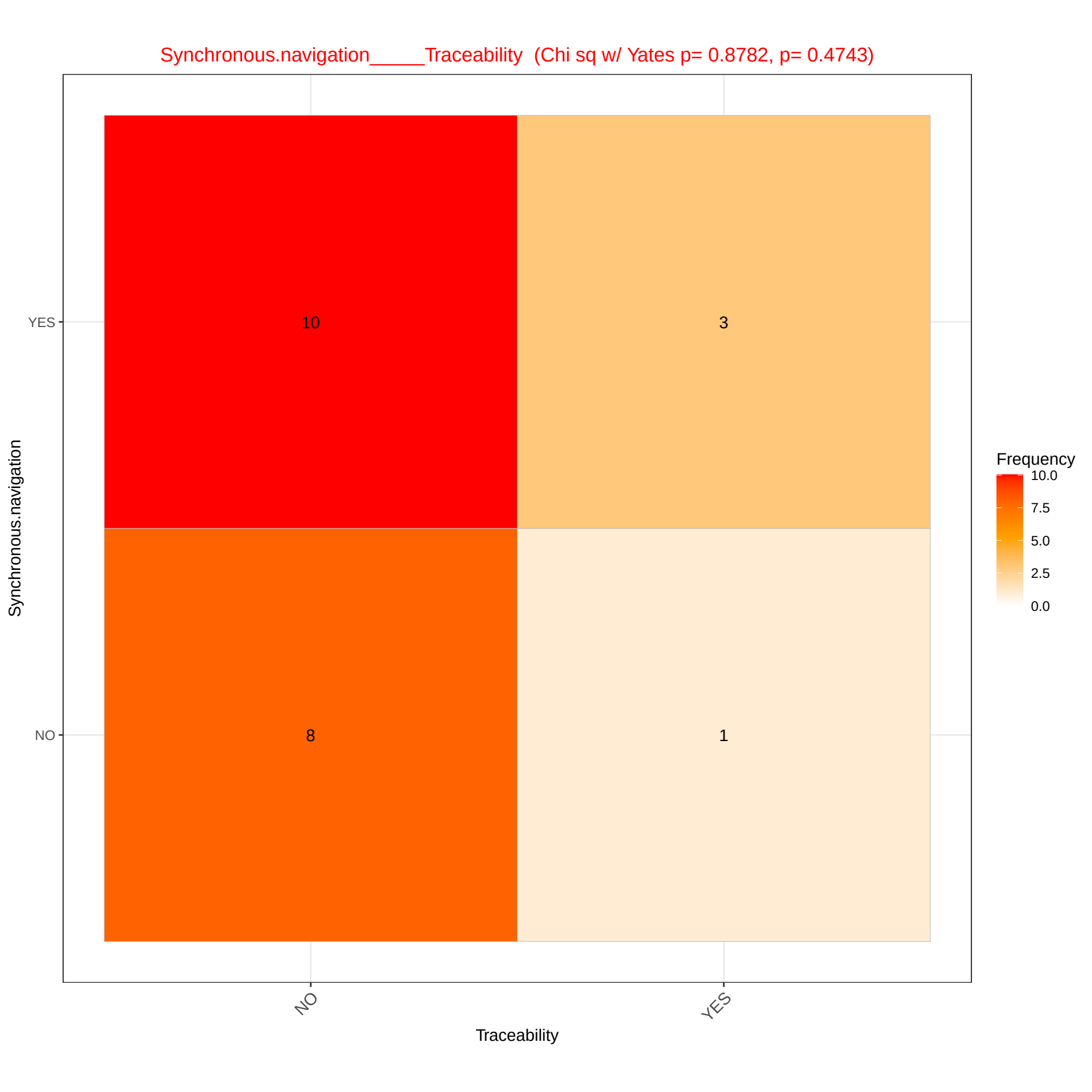

Synchronous.navigation_____Flexibility...persistence (Chi sq w/ Yates p= 0.9657, p= 0.5474)
YES
NO
13
3
9
1
Synchronous.navigation
NO
YES
Flexibility...persistence
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

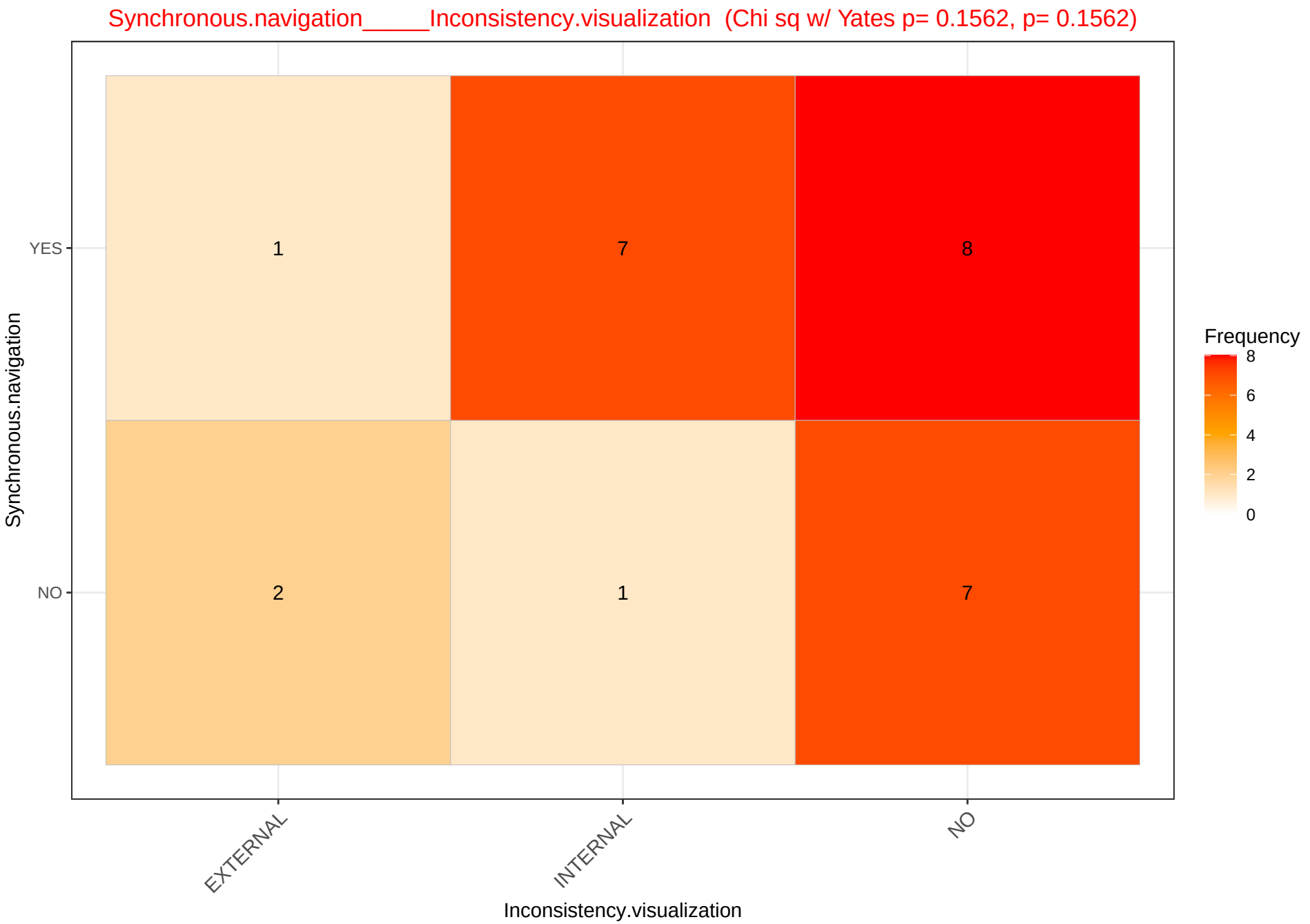

Synchronous.navigation_____Mapping (Chi sq w/ Yates p= 1, p= 0.6061)
YES
NO
14
2
8
2
Synchronous.navigation
PARSER−BASE
PROJECTIONAL
Mapping
Frequency
10
5
0

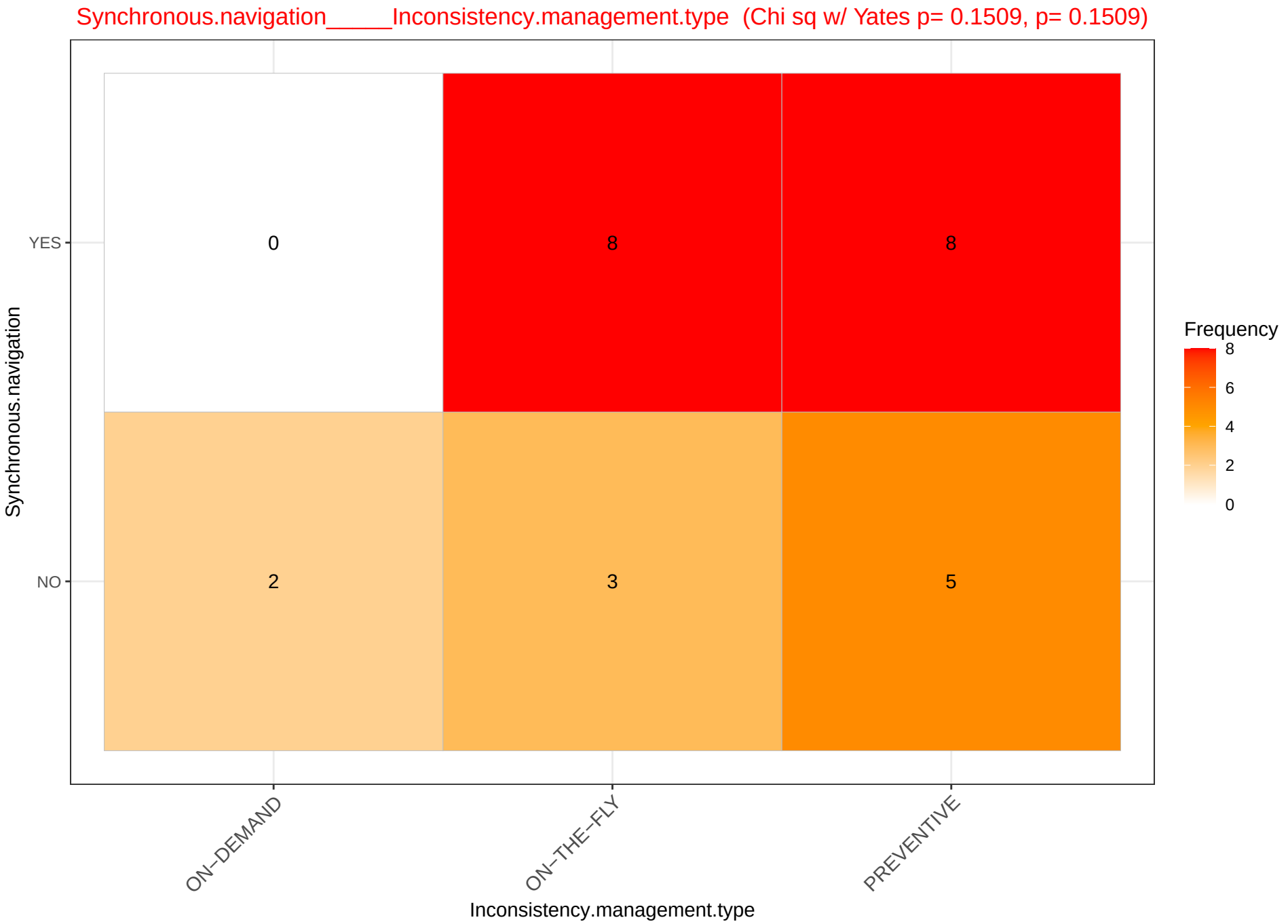

Synchronous.navigation_____Platform (Chi sq w/ Yates p= 0.5374, p= 0.5374)
YES
NO
11
5
1
6
5
0
Synchronous.navigation
ADHOC
ECLIPSE
MPS
Platform
Frequency
10.0
7.5
5.0
2.5
0.0

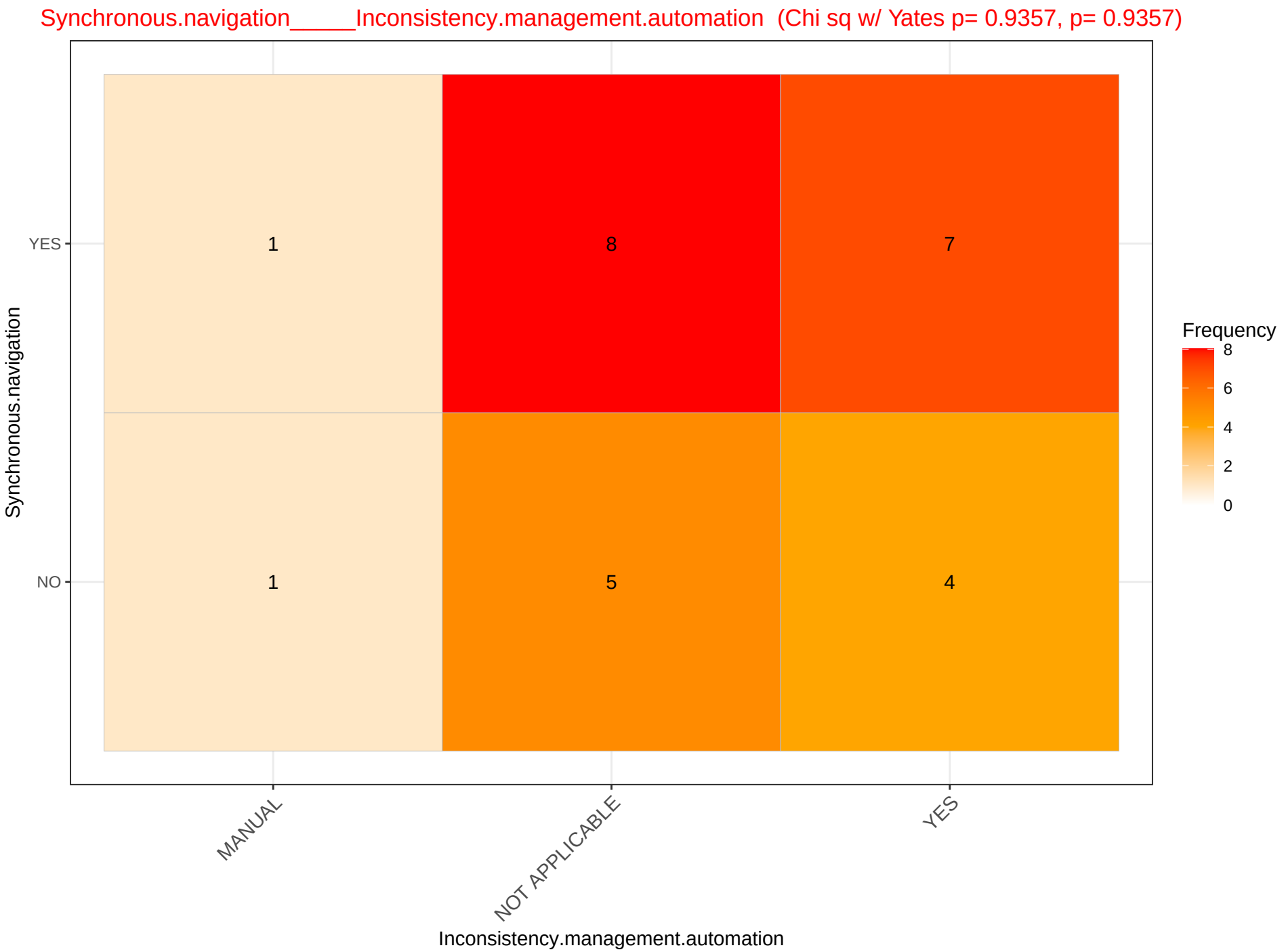
Synchronous.navigation_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)

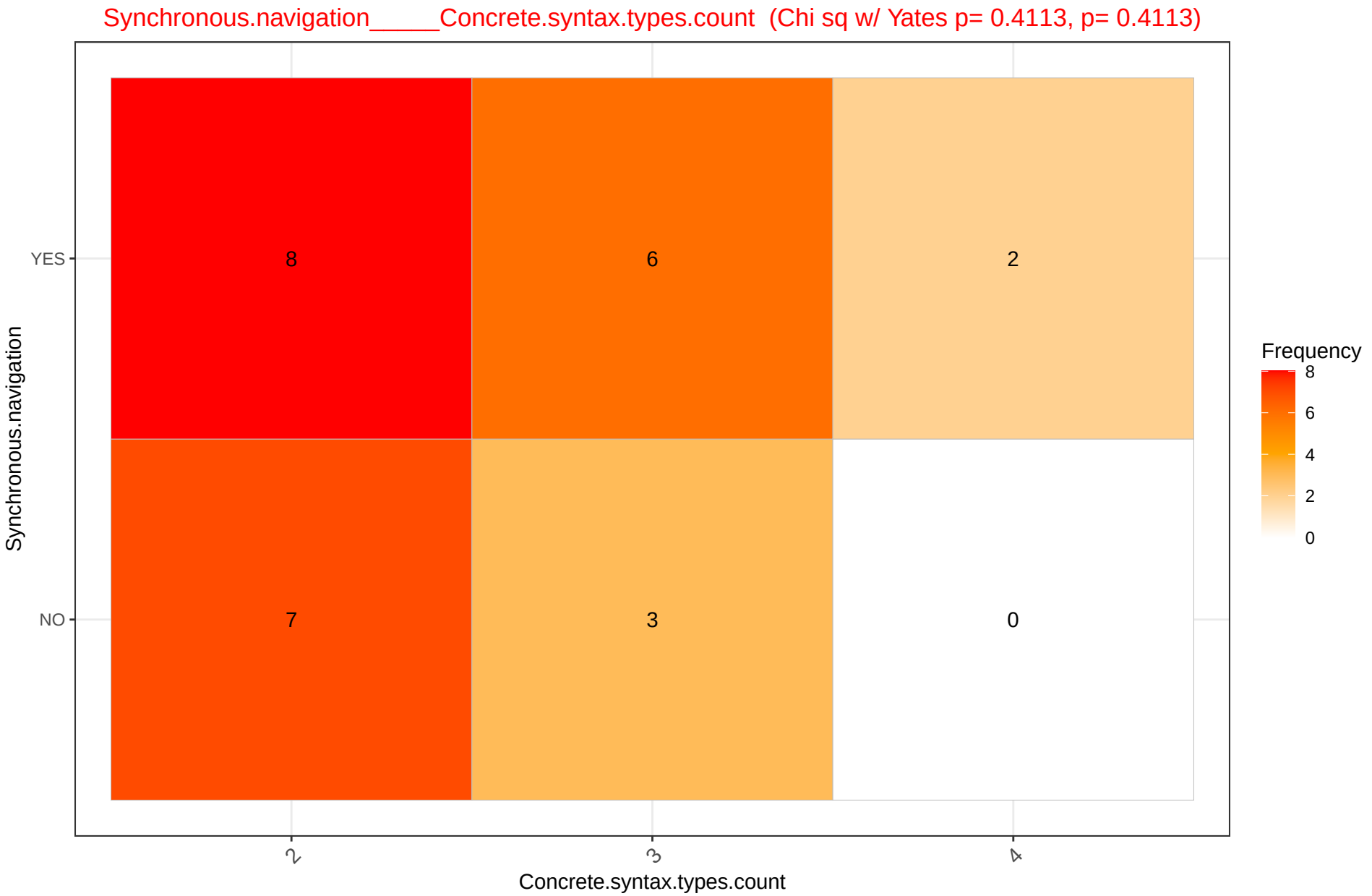


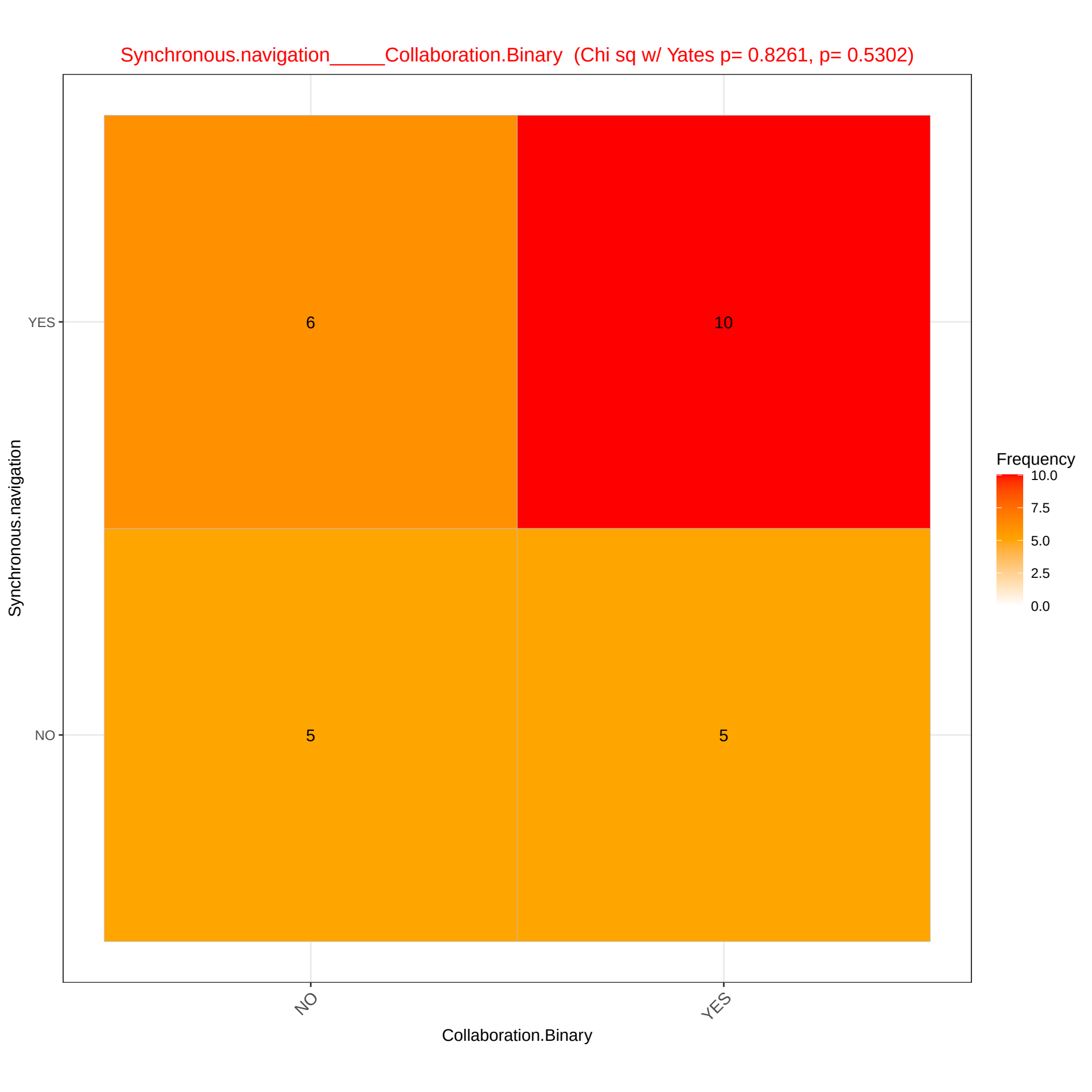

Synchronous.navigation_____Traceability (Chi sq w/ Yates p= 0.8782, p= 0.4743)
YES
NO
10
3
8
1
Synchronous.navigation
NO
YES
Traceability
Frequency
10.0
7.5
5.0
2.5
0.0

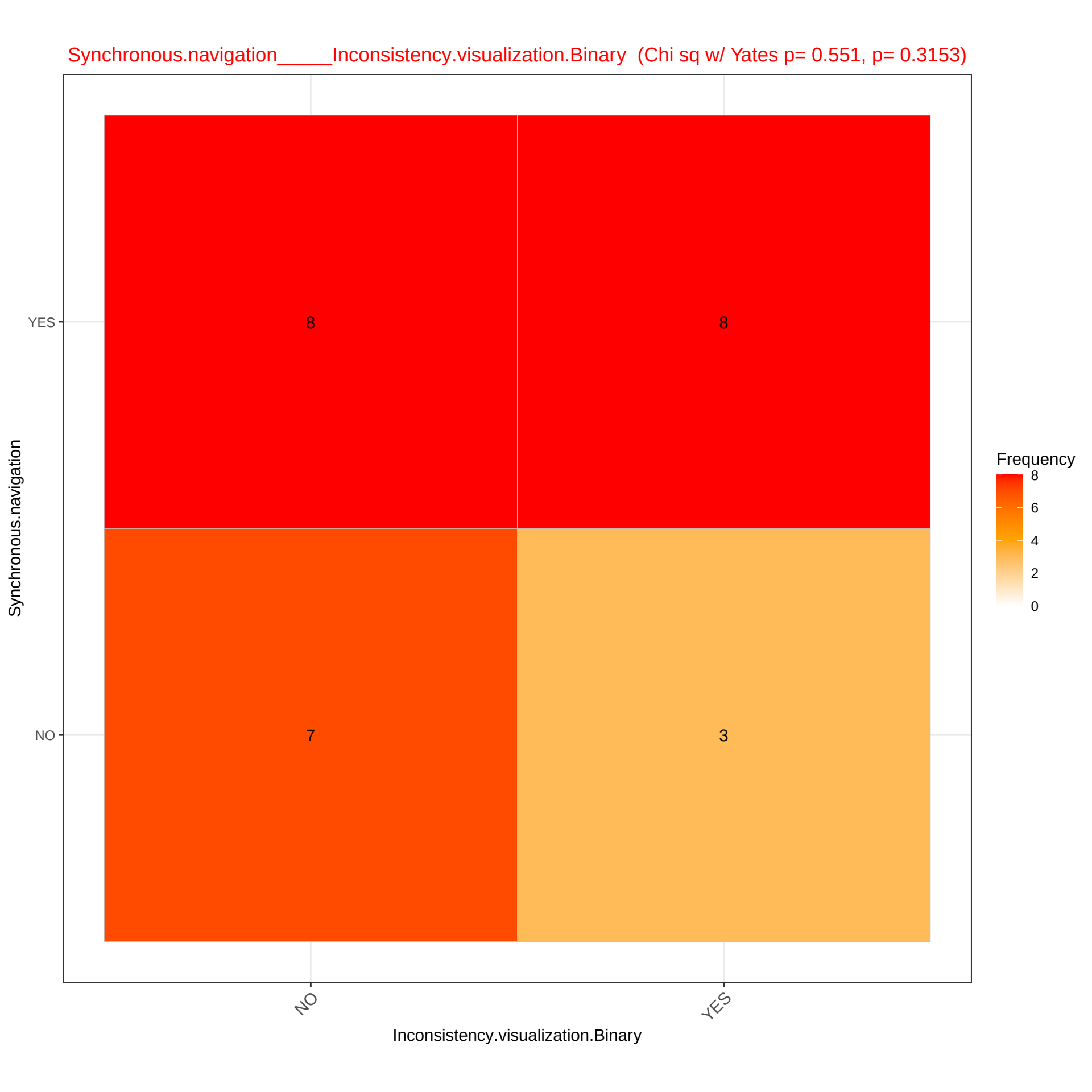

Synchronous.navigation_____Inconsistency.visualization (Chi sq w/ Yates p= 0.1562, p= 0.1562)
YES
NO
1
7
8
2
1
7
Synchronous.navigation
EXTERNAL
INTERNAL
NO
Inconsistency.visualization
Frequency
8
6
4
2
0

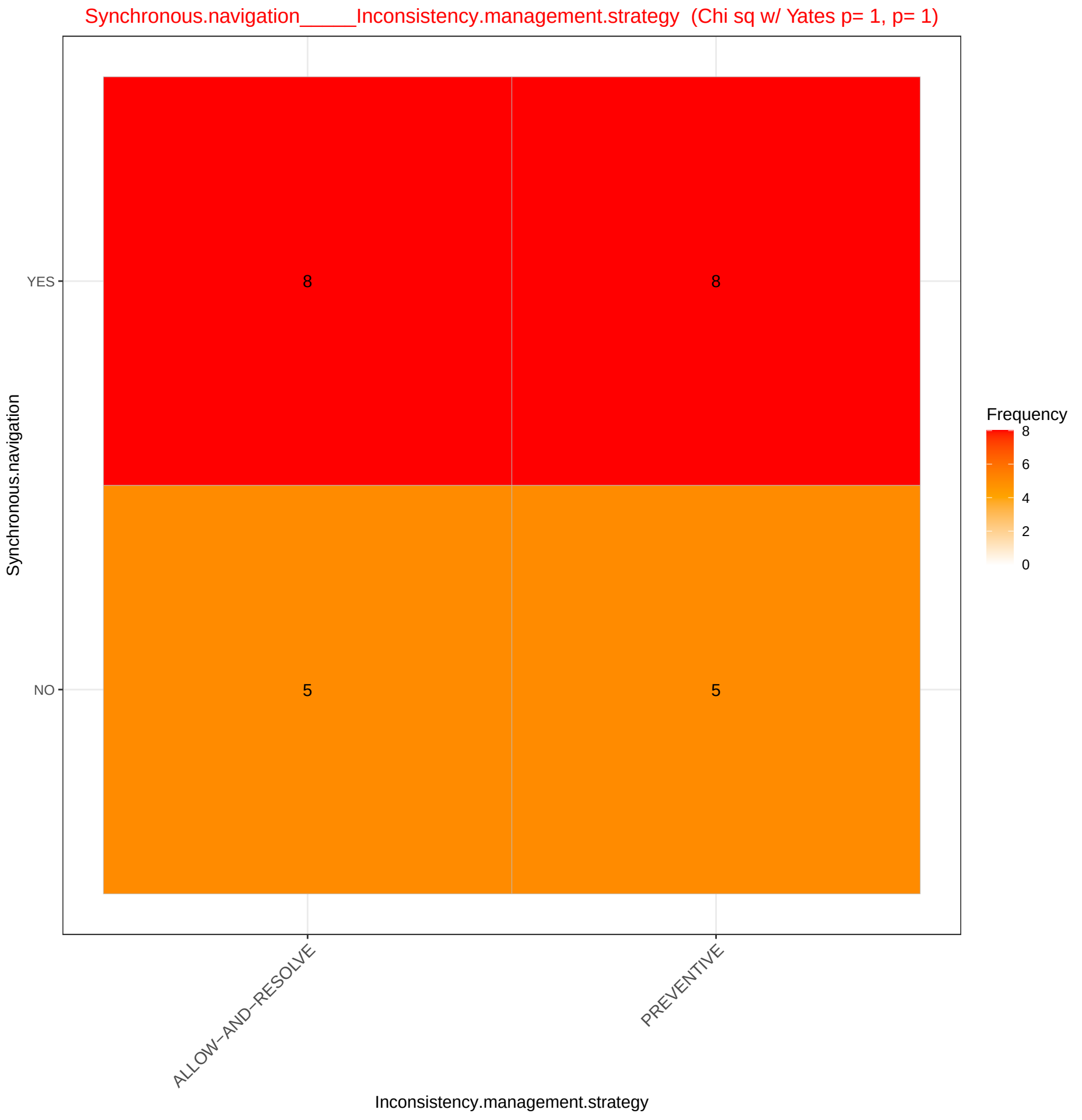

Synchronous.navigation_____Inconsistency.management.type (Chi sq w/ Yates p= 0.1509, p= 0.1509)
YES
NO
0
8
8
2
3
5
Synchronous.navigation
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type
Frequency
8
6
4
2
0

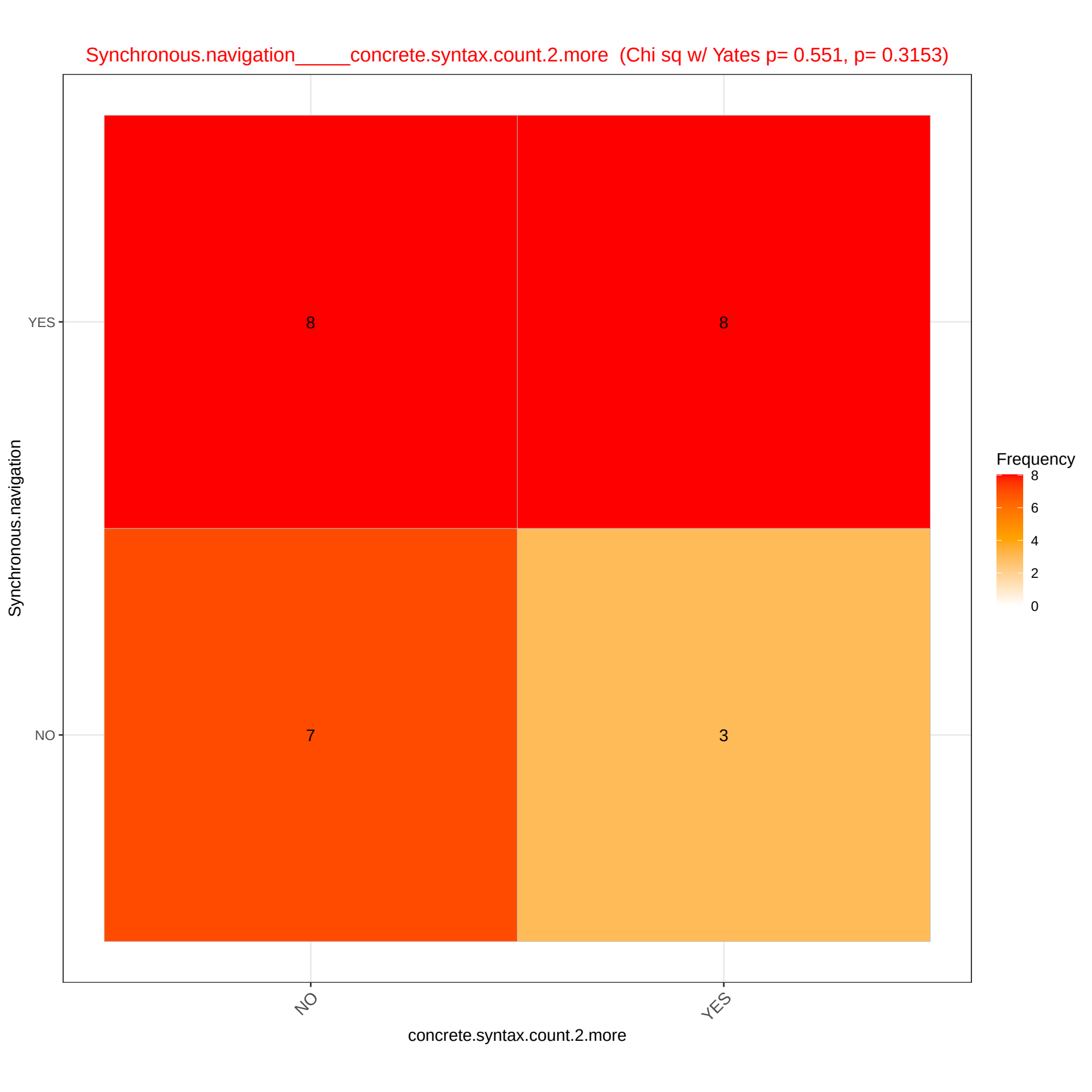

Synchronous.navigation_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.9357, p= 0.9357)
YES
NO
1
8
7
1
5
4
Synchronous.navigation
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
8
6
4
2
0

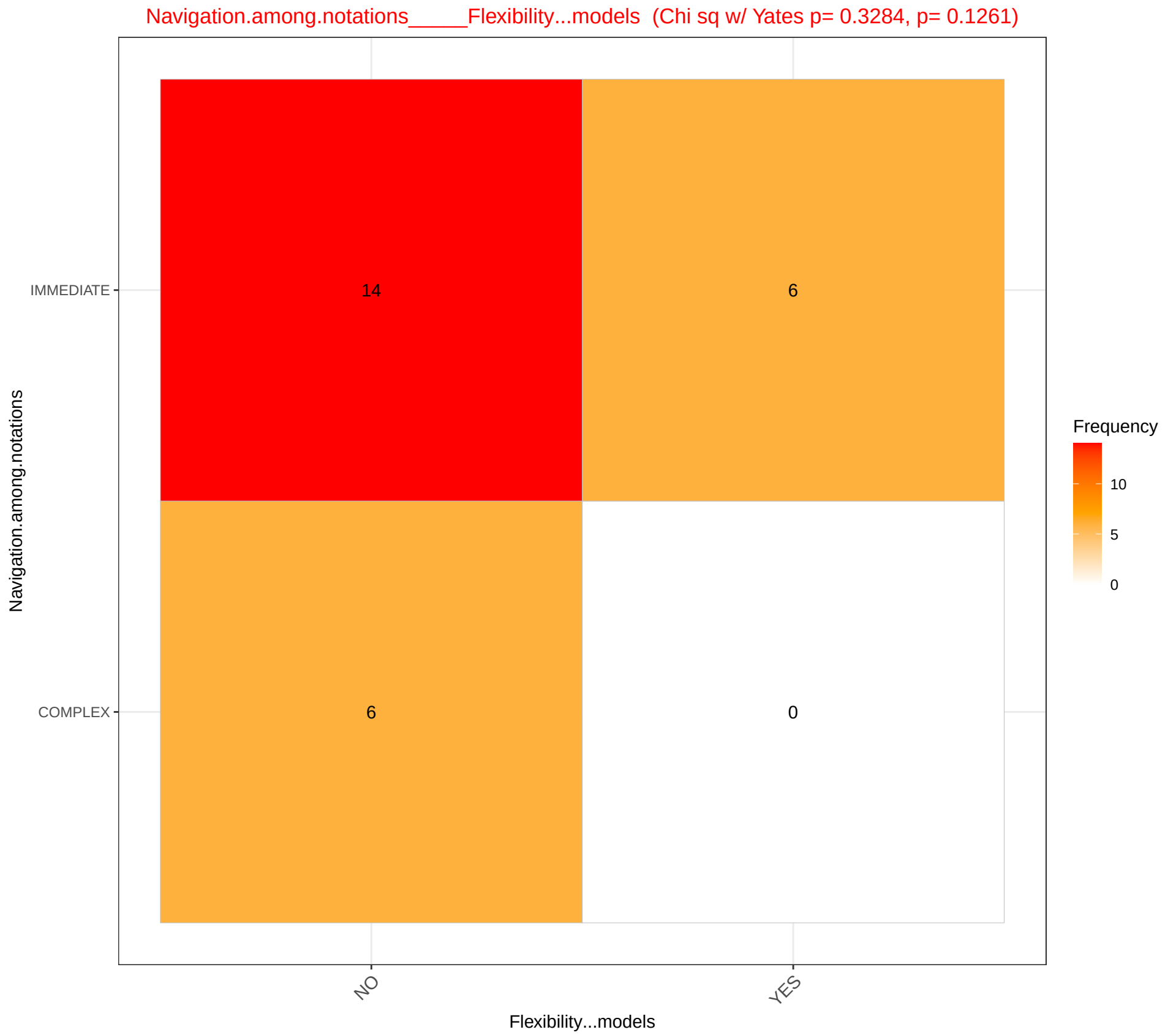

Synchronous.navigation_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.4113, p= 0.4113)
YES
NO
8
6
2
7
3
0
Synchronous.navigation
2
3
4
Concrete.syntax.types.count
Frequency
8
6
4
2
0

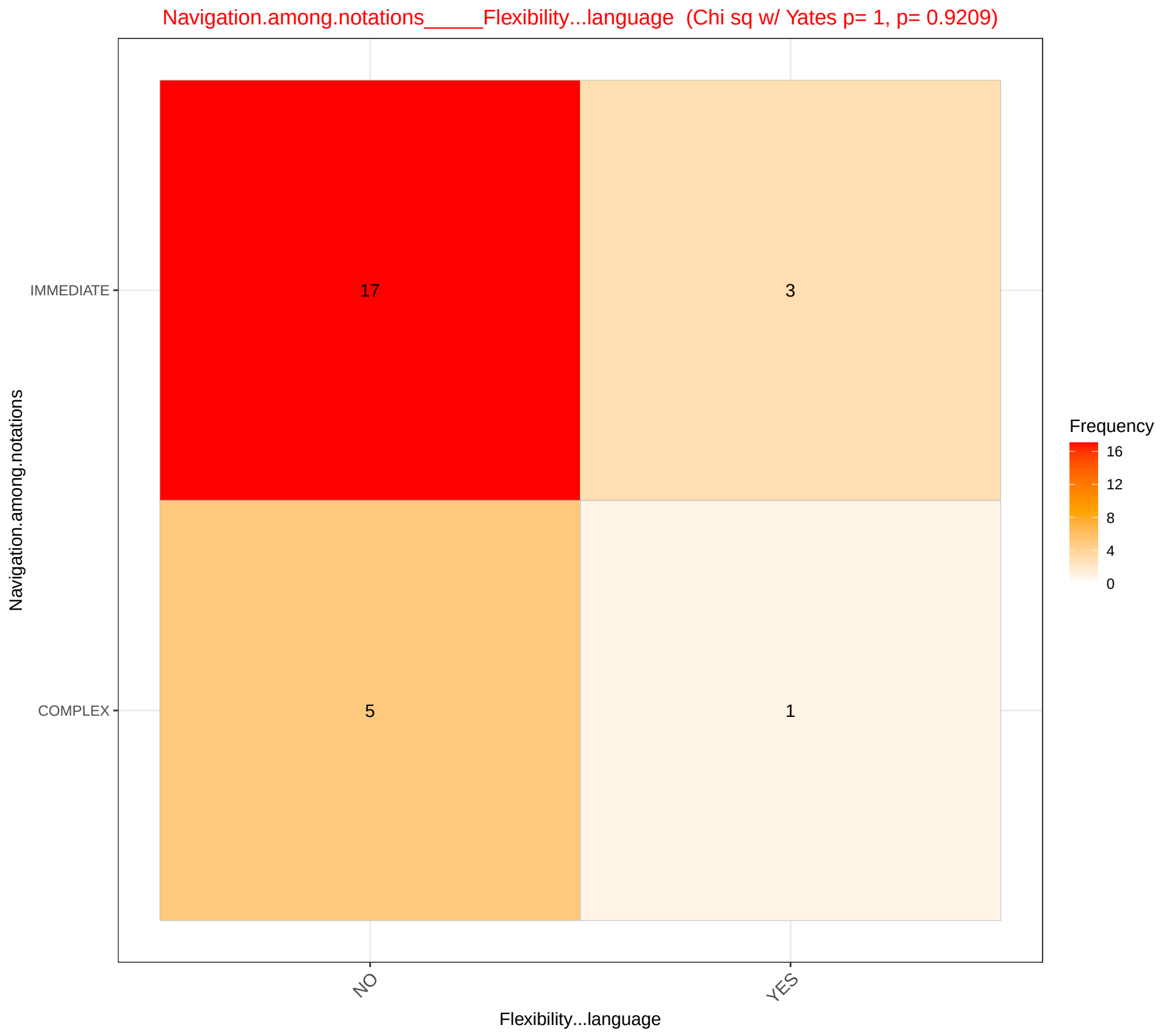

Synchronous.navigation_____Collaboration.Binary (Chi sq w/ Yates p= 0.8261, p= 0.5302)
YES
NO
6
10
5
5
Synchronous.navigation
NO
YES
Collaboration.Binary
Frequency
10.0
7.5
5.0
2.5
0.0

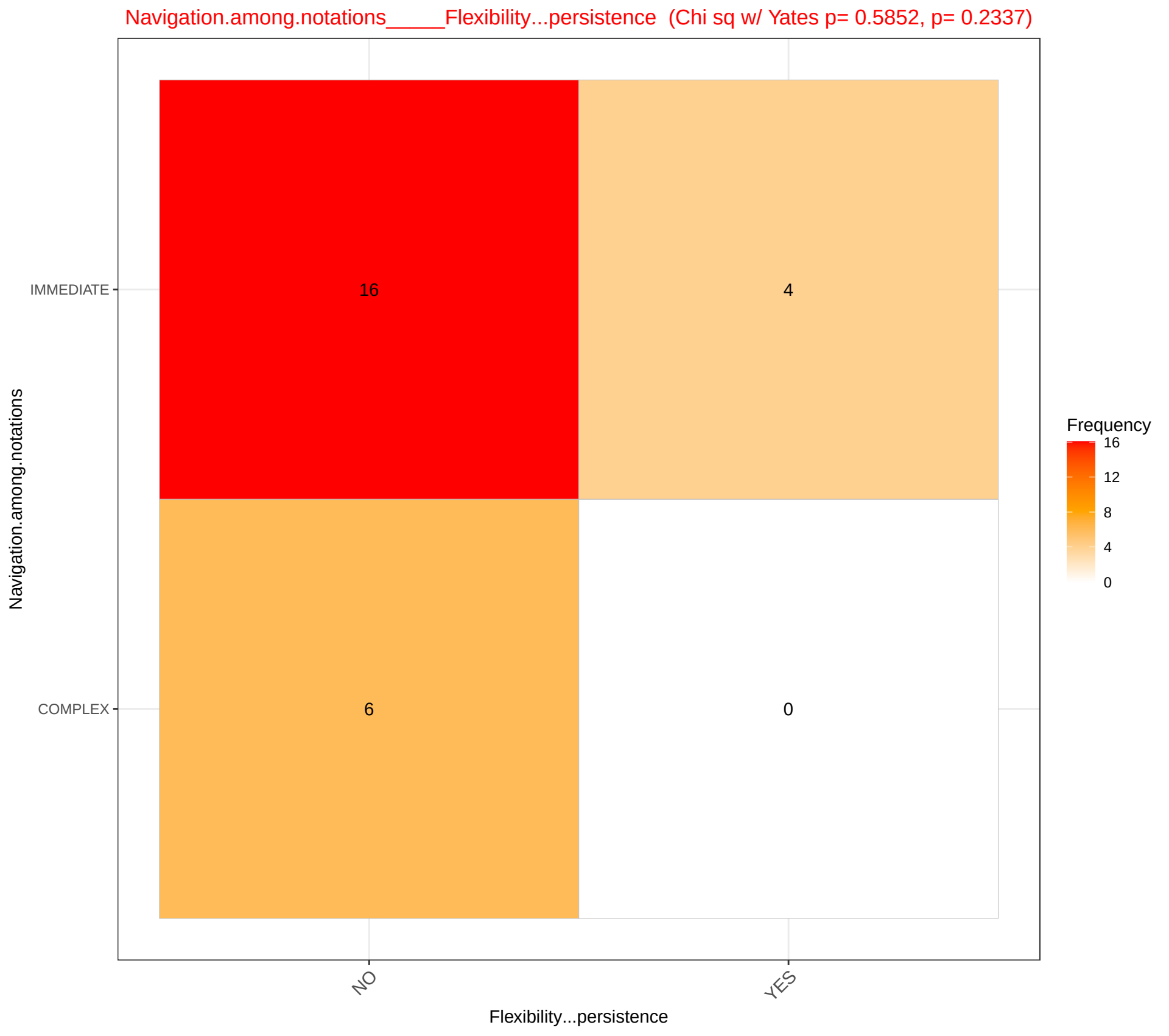

Synchronous.navigation_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.551, p= 0.3153)
YES
NO
8
8
7
3
Synchronous.navigation
NO
YES
Inconsistency.visualization.Binary
Frequency
8
6
4
2
0

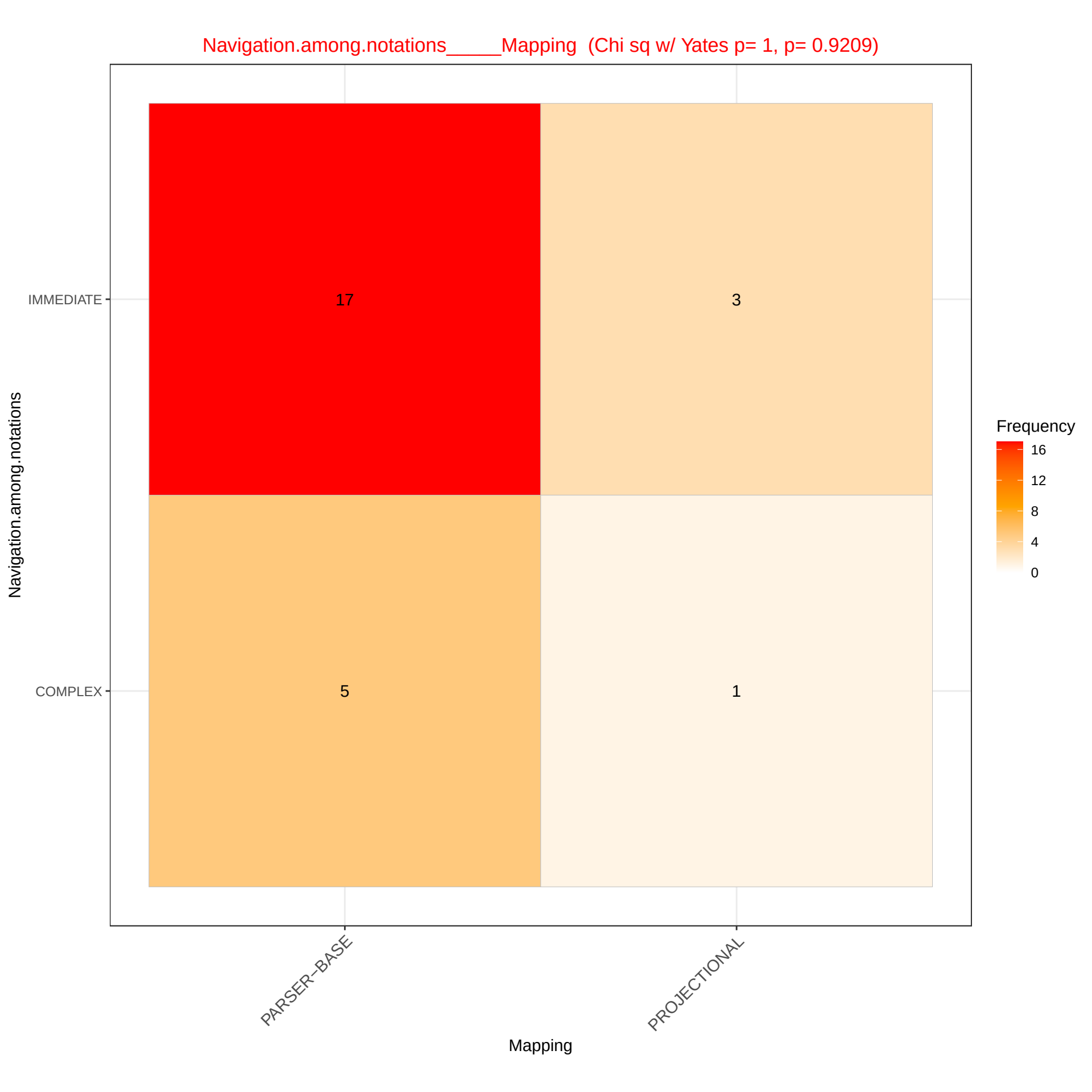

Synchronous.navigation_____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 1)
YES
NO
8
8
5
5
Synchronous.navigation
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy
Frequency
8
6
4
2
0

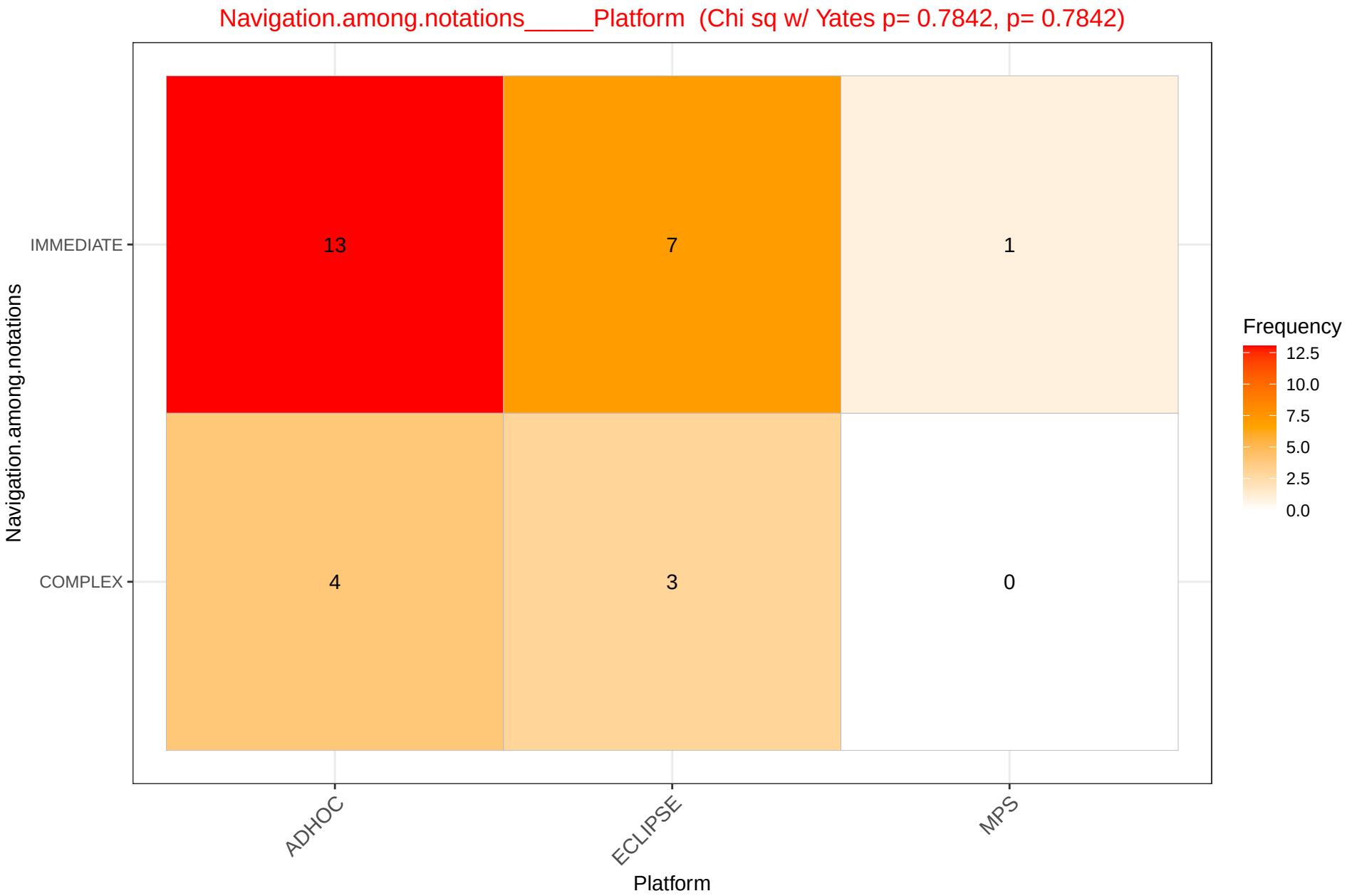

Synchronous.navigation_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.551, p= 0.3153)
YES
NO
8
8
7
3
Synchronous.navigation
NO
YES
concrete.syntax.count.2.more
Frequency
8
6
4
2
0

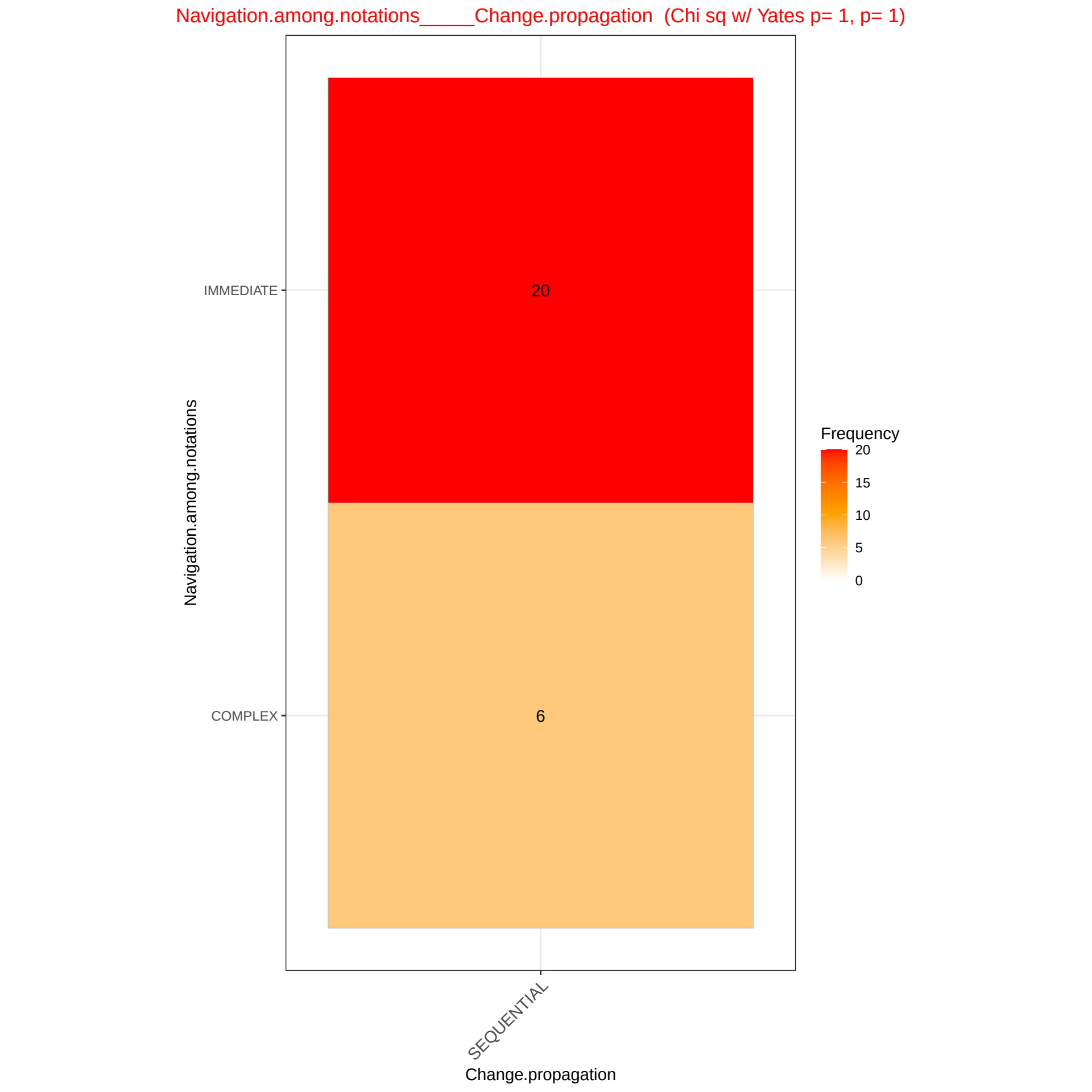

Navigation.among.notations_____Flexibility...models (Chi sq w/ Yates p= 0.3284, p= 0.1261)
IMMEDIATE
COMPLEX
14
6
6
0
Navigation.among.notations
NO
YES
Flexibility...models
Frequency
10
5
0

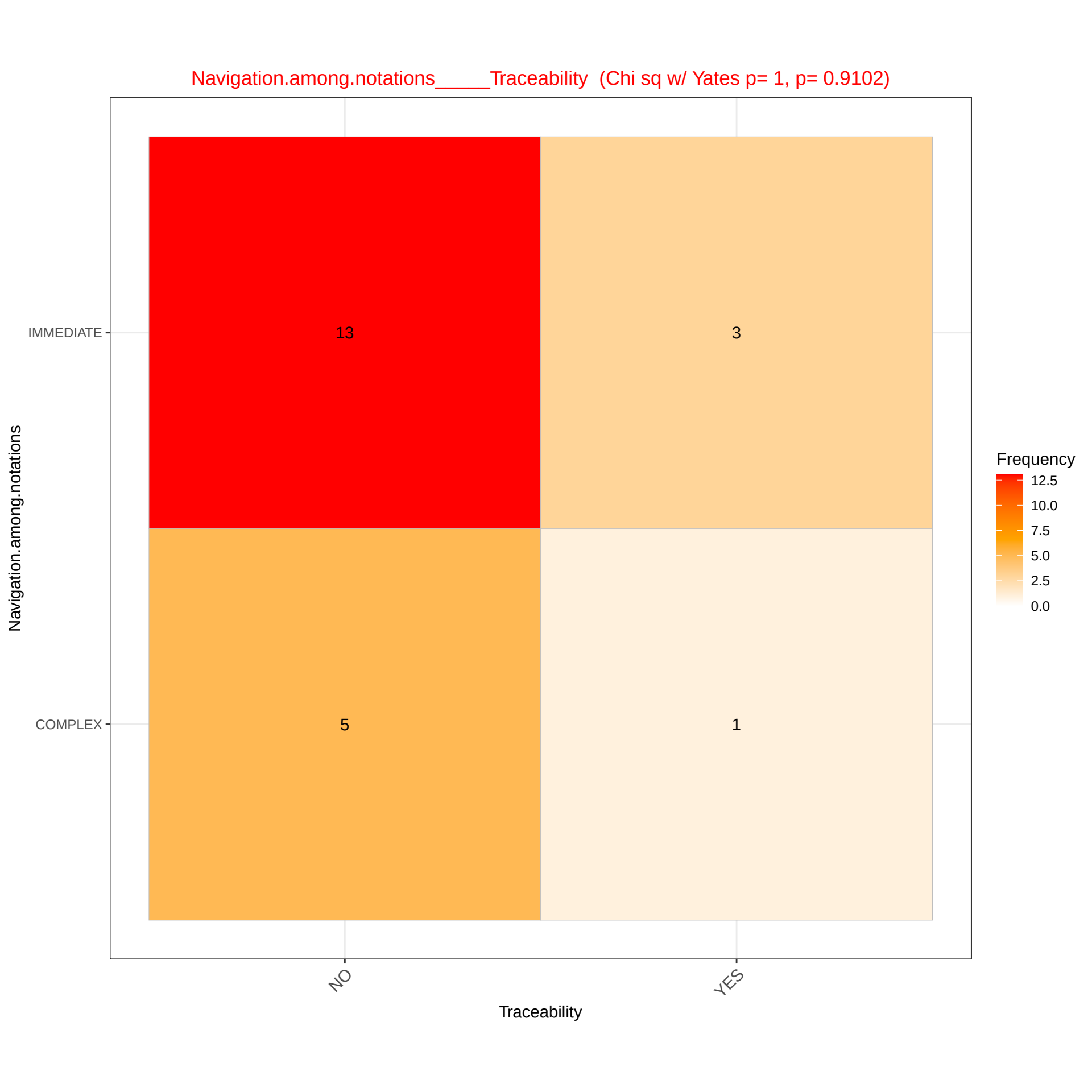

Navigation.among.notations_____Flexibility...language (Chi sq w/ Yates p= 1, p= 0.9209)
IMMEDIATE
COMPLEX
Navigation.among.notations
17
3
5
1
NO
YES
Flexibility...language
Frequency
16
12
8
4
0

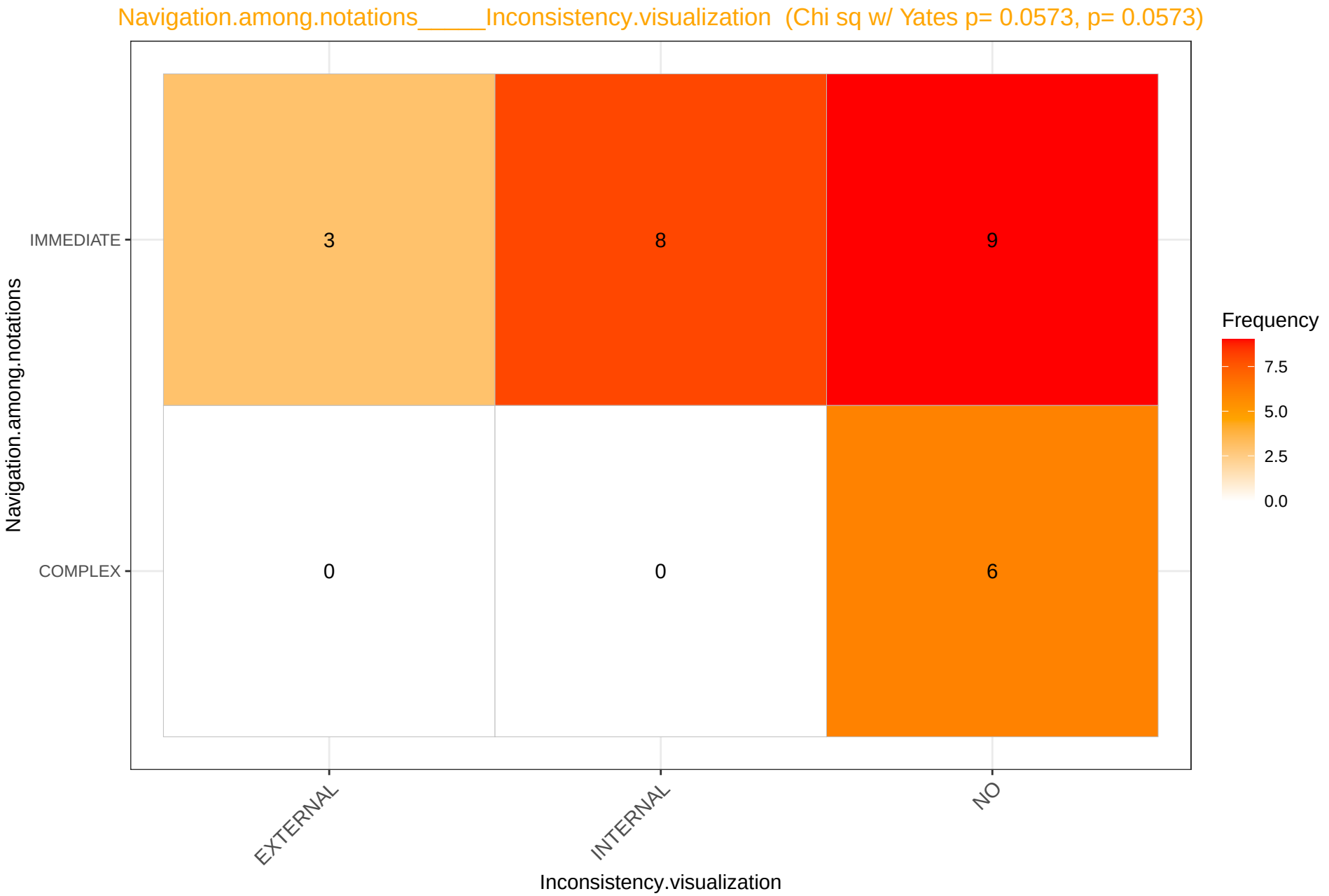

Navigation.among.notations_____Flexibility...persistence (Chi sq w/ Yates p= 0.5852, p= 0.2337)
IMMEDIATE
COMPLEX
16
4
6
0
Navigation.among.notations
NO
YES
Flexibility...persistence
Frequency
16
12
8
4
0


Navigation.among.notations_____Mapping (Chi sq w/ Yates p= 1, p= 0.9209)
IMMEDIATE
COMPLEX
Navigation.among.notations
17
3
5
1
PARSER−BASE
PROJECTIONAL
Mapping
Frequency
16
12
8
4
0

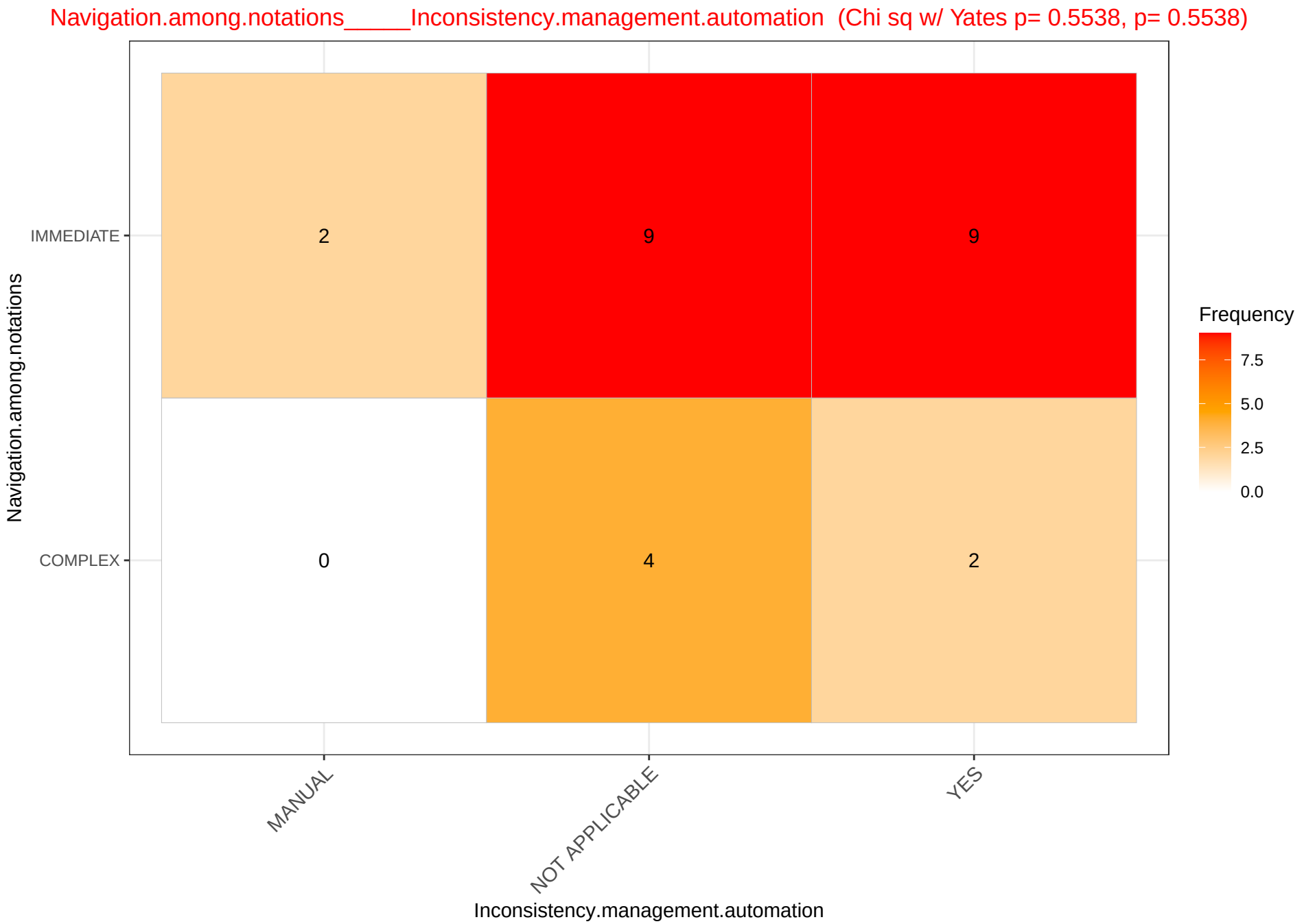

Navigation.among.notations_____Platform (Chi sq w/ Yates p= 0.7842, p= 0.7842)
IMMEDIATE
COMPLEX
Navigation.among.notations
13
7
1
4
3
0
ADHOC
ECLIPSE
MPS
Platform
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

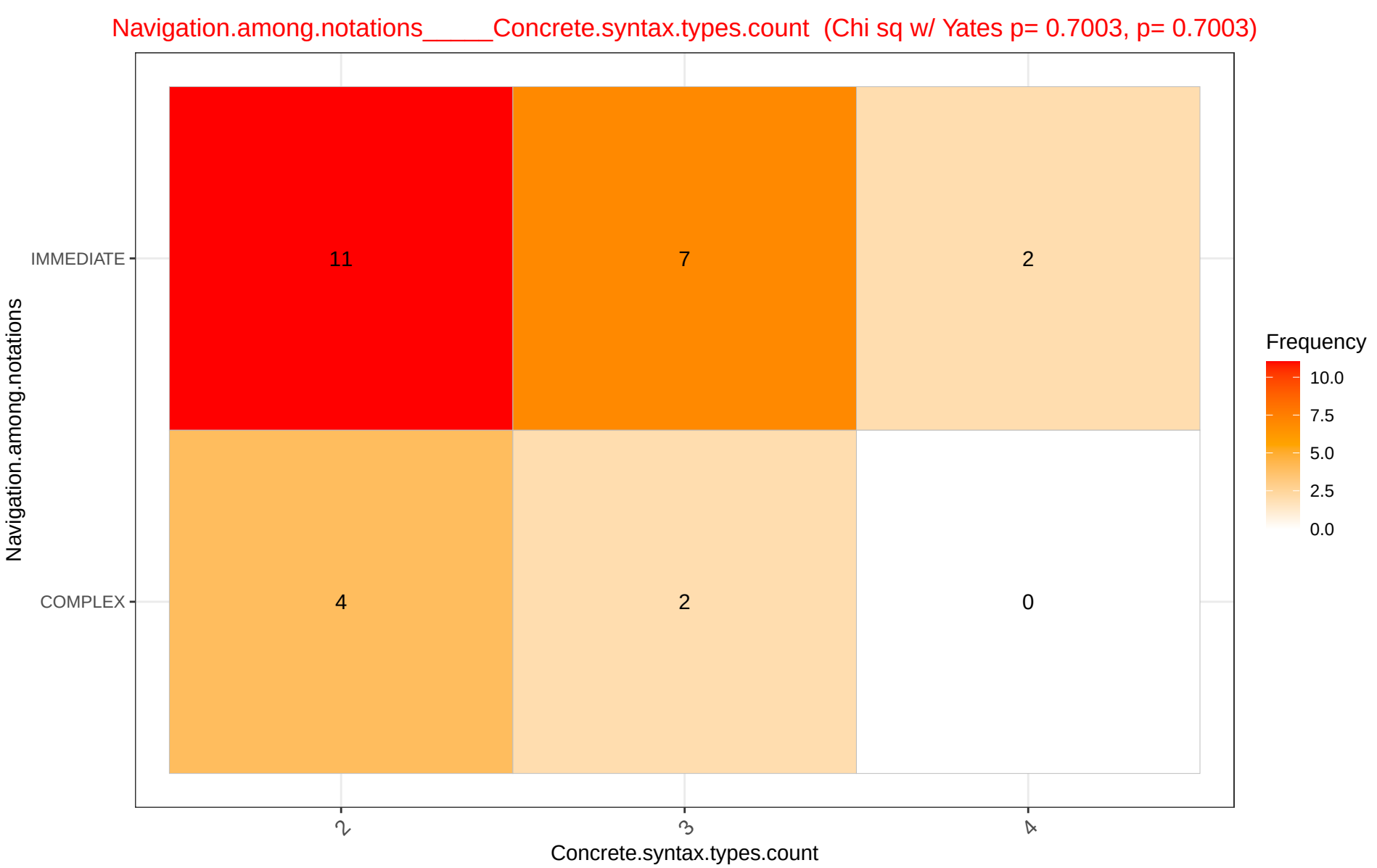

Navigation.among.notations_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)
IMMEDIATE
COMPLEX
20
6
Navigation.among.notations
SEQUENTIAL
Change.propagation
Frequency
20
15
10
5
0

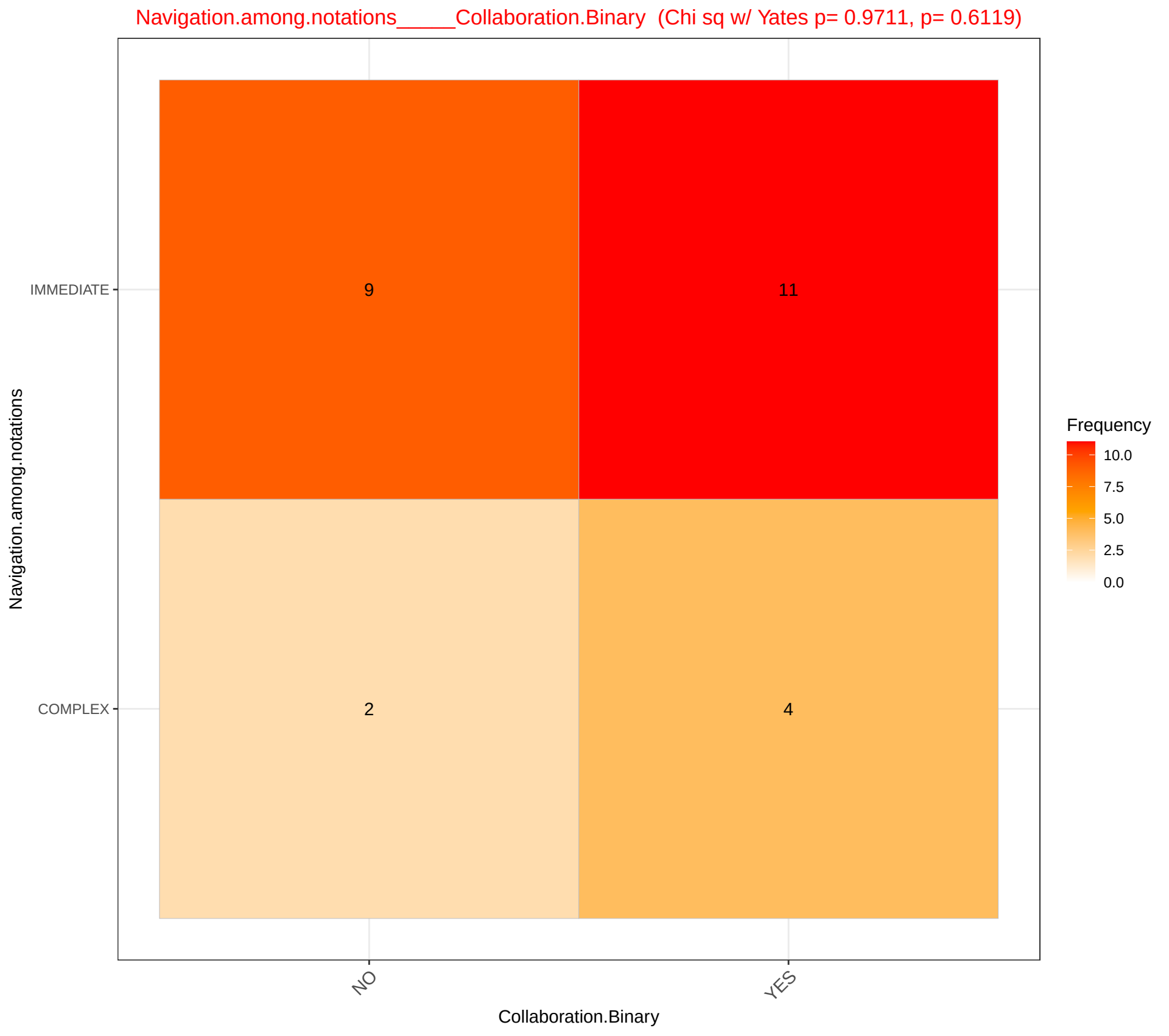

Navigation.among.notations_____Traceability (Chi sq w/ Yates p= 1, p= 0.9102)
IMMEDIATE
COMPLEX
13
3
5
1
Navigation.among.notations
NO
YES
Traceability
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

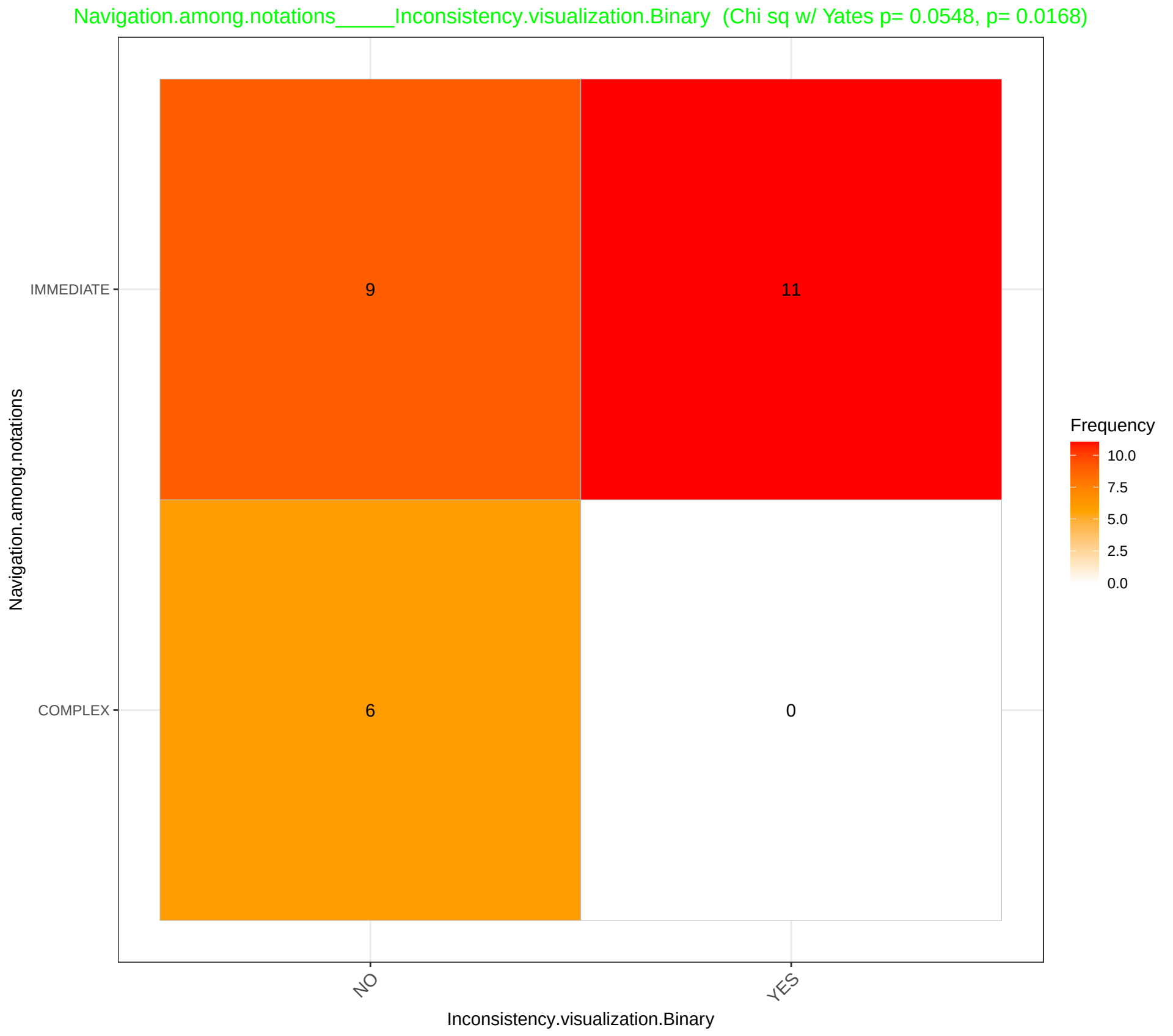

Navigation.among.notations_____Inconsistency.visualization (Chi sq w/ Yates p= 0.0573, p= 0.0573)
IMMEDIATE
COMPLEX
Navigation.among.notations
3
8
9
0
0
6
EXTERNAL
INTERNAL
NO
Inconsistency.visualization
Frequency
7.5
5.0
2.5
0.0

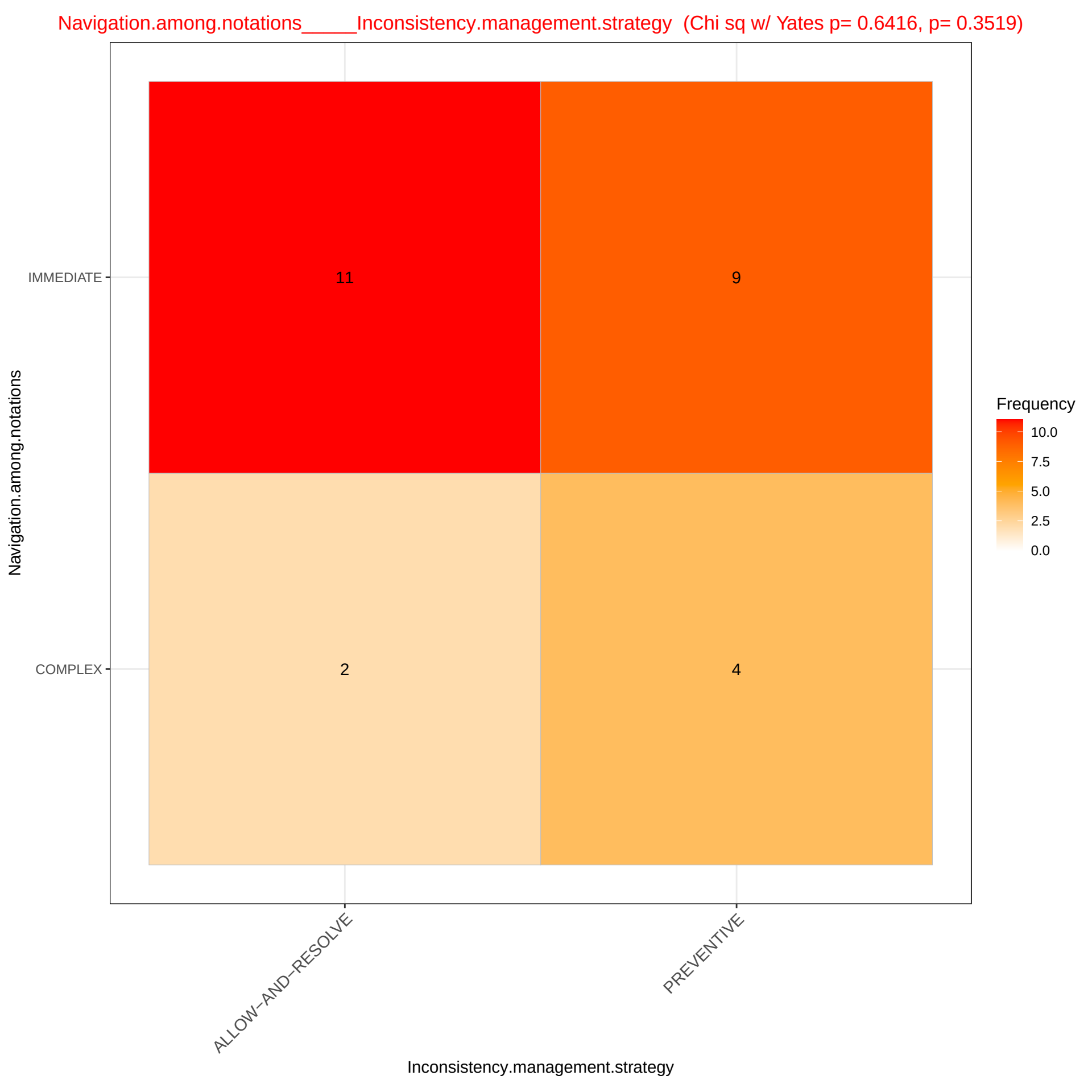
Navigation.among.notations_____Inconsistency.management.type (Chi sq w/ Yates p= 0.292, p= 0.292)
IMMEDIATE
COMPLEX
Navigation.among.notations
1
10
9
1
1
4
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type
Frequency
10.0
7.5
5.0
2.5
0.0

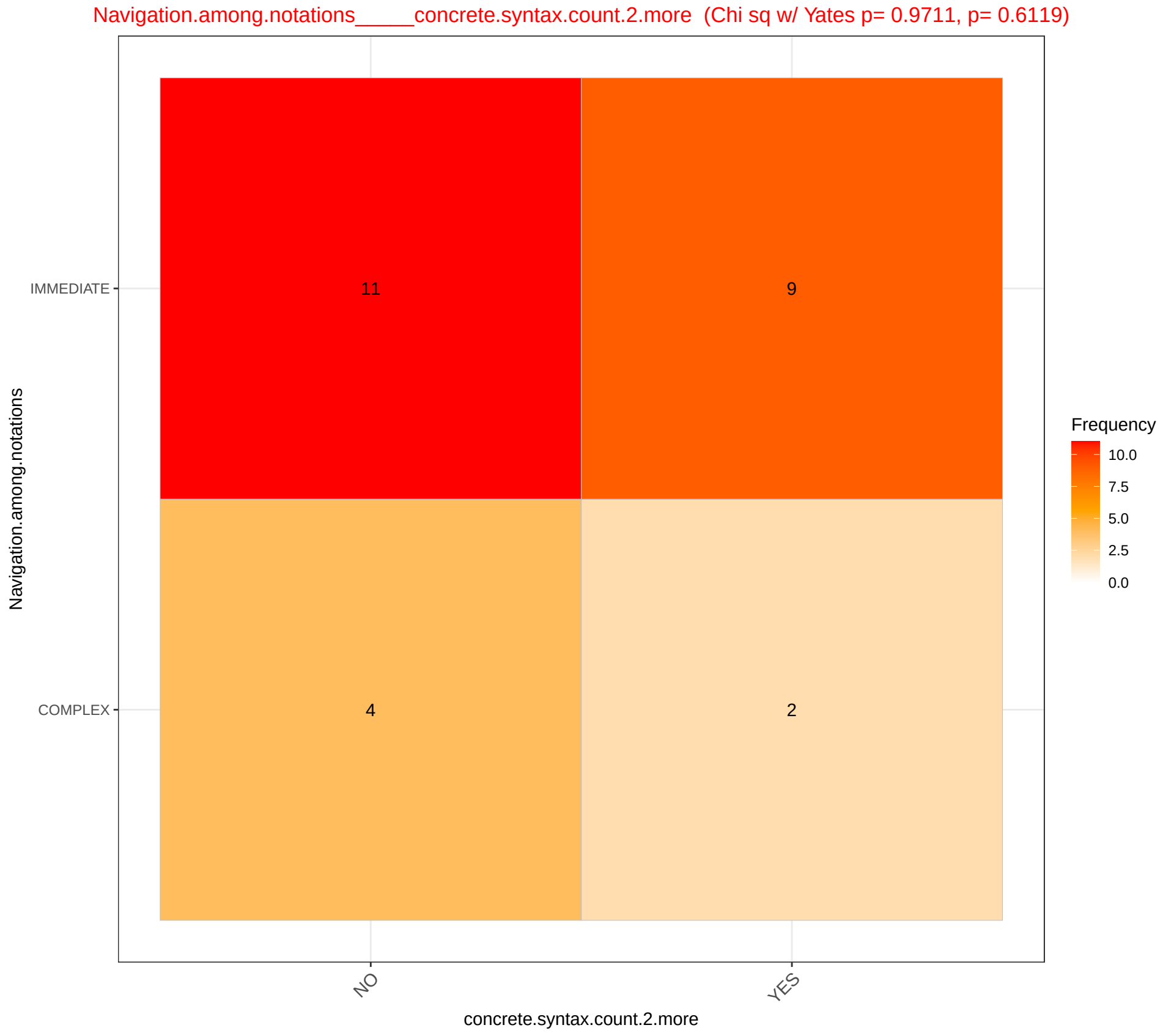

Navigation.among.notations_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.5538, p= 0.5538)
IMMEDIATE
COMPLEX
Navigation.among.notations
2
9
9
0
4
2
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
7.5
5.0
2.5
0.0

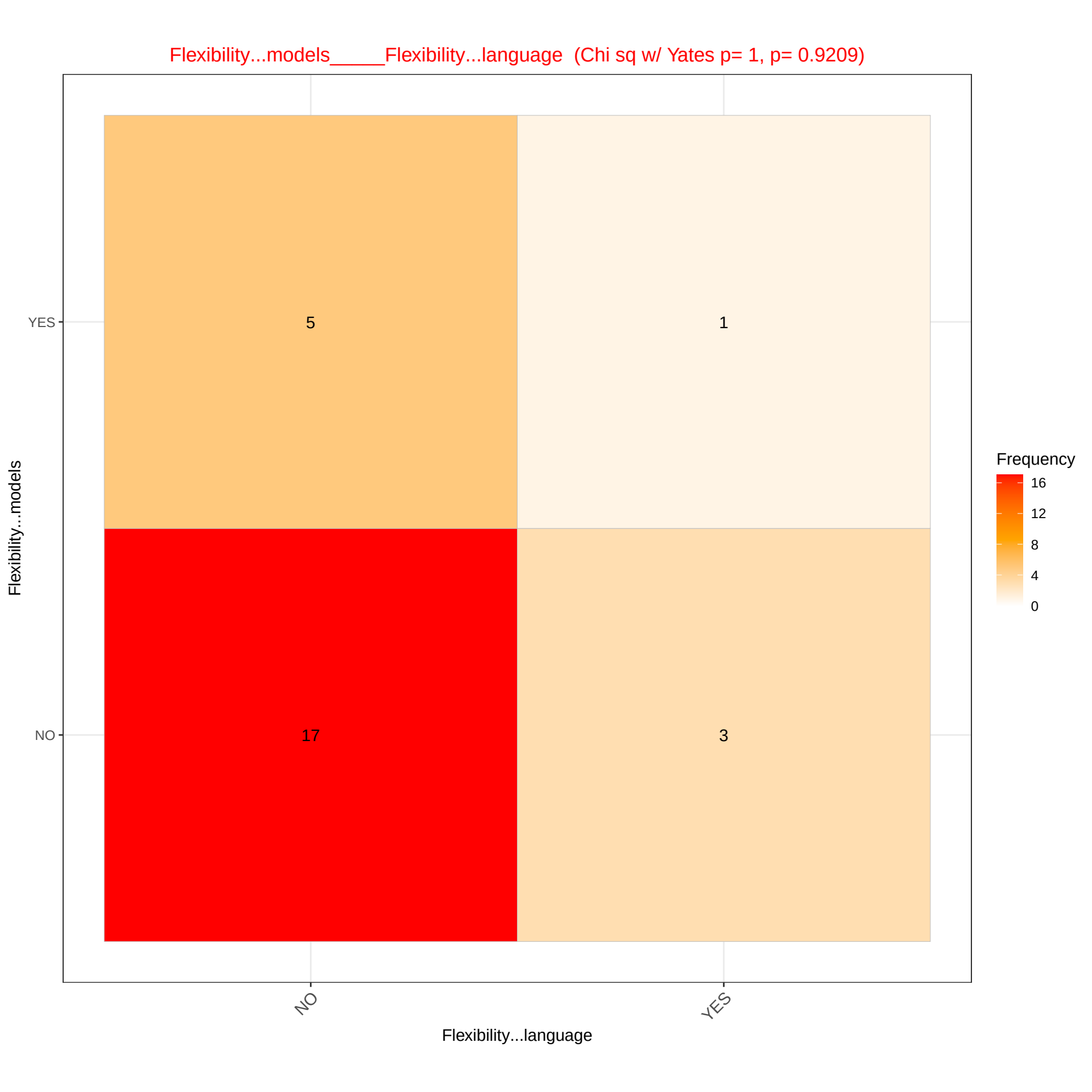

Navigation.among.notations_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.7003, p= 0.7003)
IMMEDIATE
COMPLEX
Navigation.among.notations
11
7
2
4
2
0
2
3
4
Concrete.syntax.types.count
Frequency
10.0
7.5
5.0
2.5
0.0

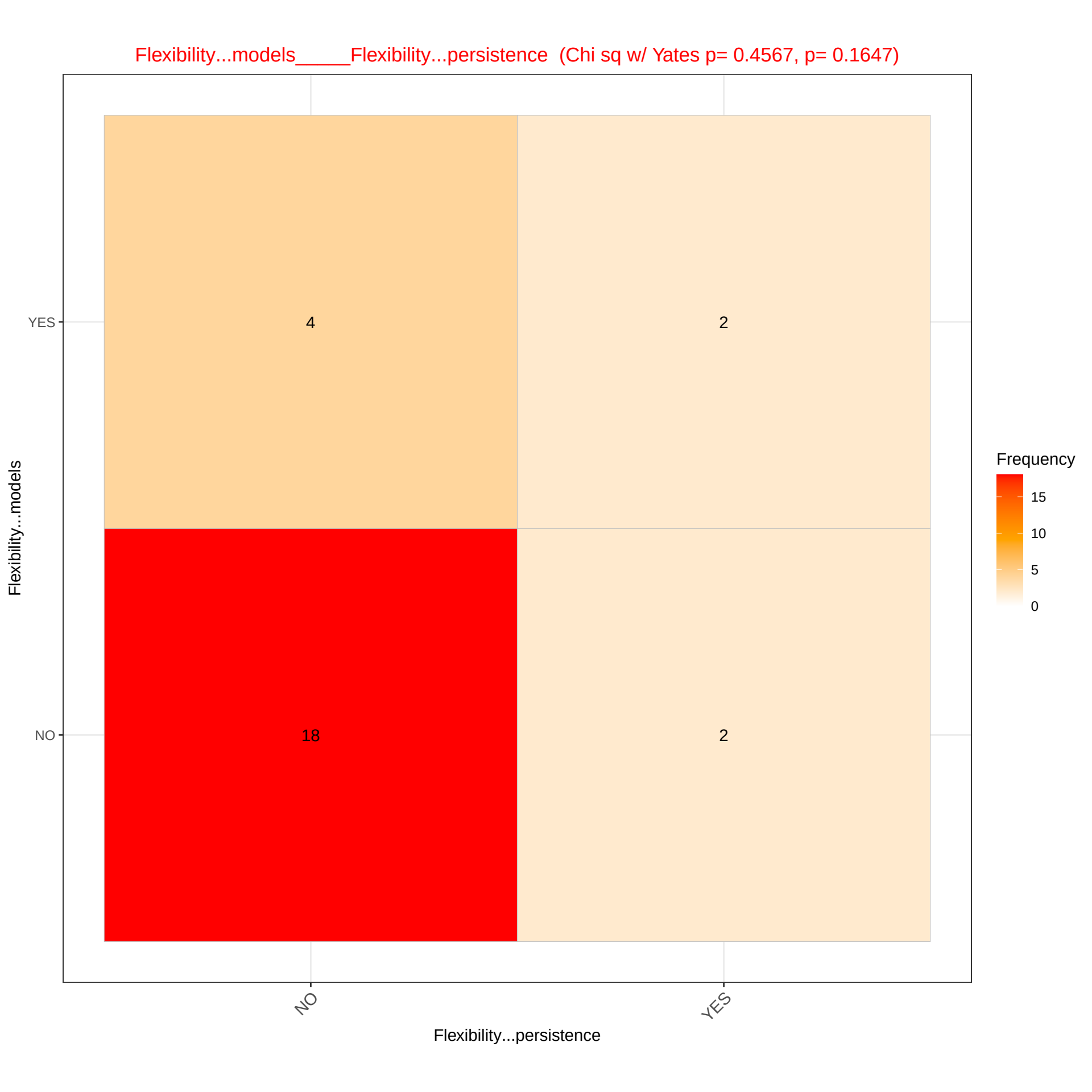

Navigation.among.notations_____Collaboration.Binary (Chi sq w/ Yates p= 0.9711, p= 0.6119)
IMMEDIATE
COMPLEX
9
11
2
4
Navigation.among.notations
NO
YES
Collaboration.Binary
Frequency
10.0
7.5
5.0
2.5
0.0

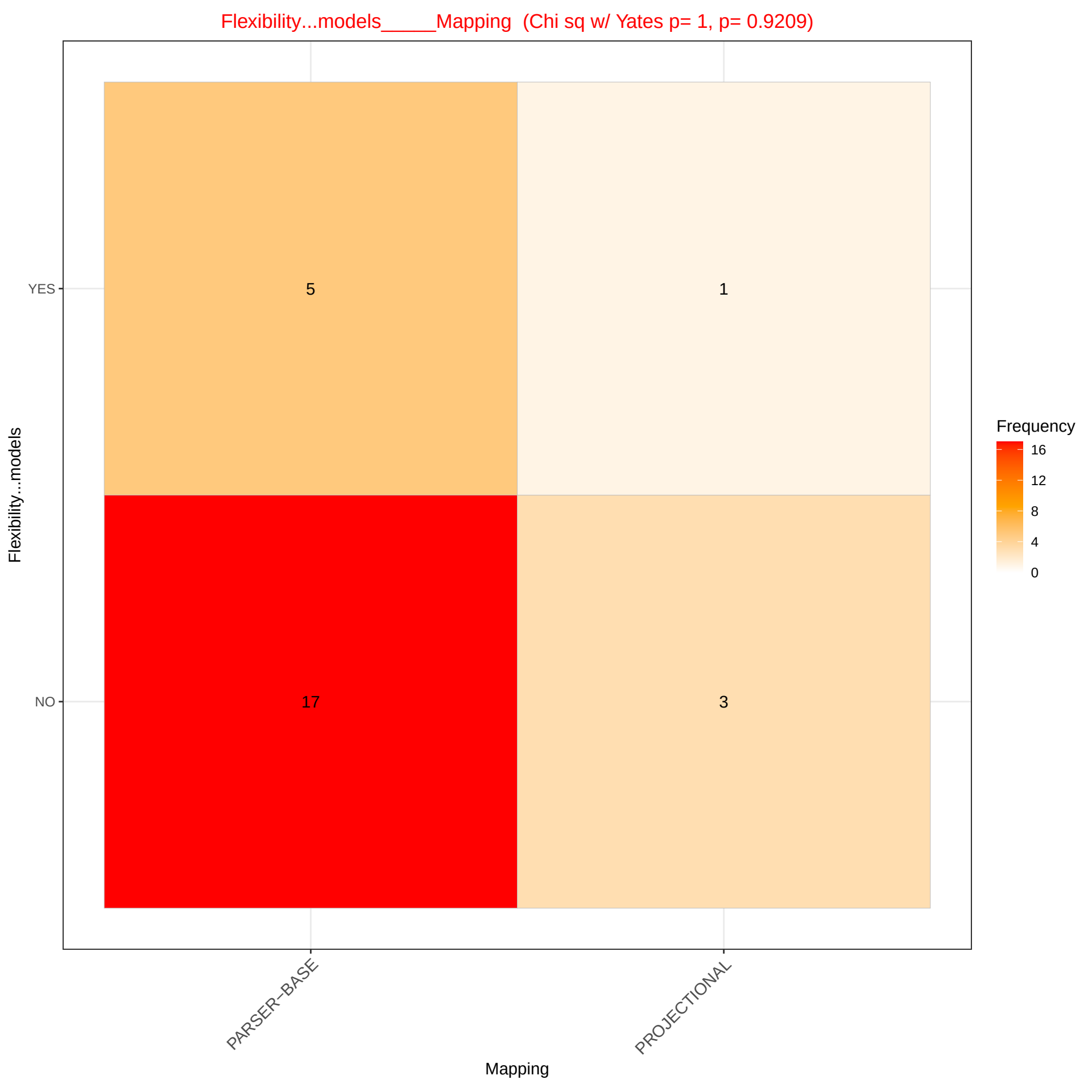

Navigation.among.notations_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.0548, p= 0.0168)
IMMEDIATE
COMPLEX
9
11
6
0
Navigation.among.notations
NO
YES
Inconsistency.visualization.Binary
Frequency
10.0
7.5
5.0
2.5
0.0

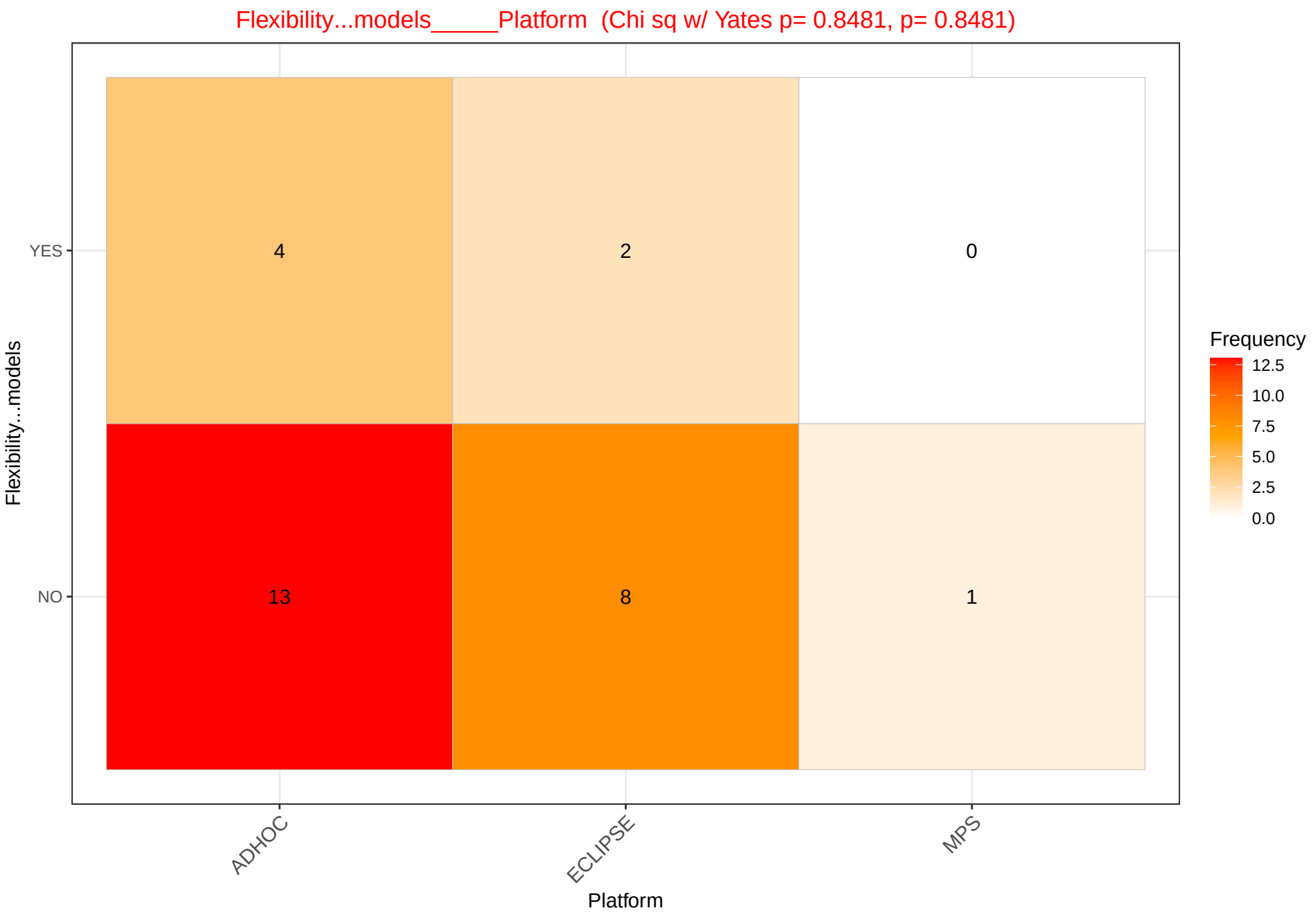

Navigation.among.notations_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.6416, p= 0.3519)
IMMEDIATE
COMPLEX
11
9
2
4
Navigation.among.notations
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy
Frequency
10.0
7.5
5.0
2.5
0.0

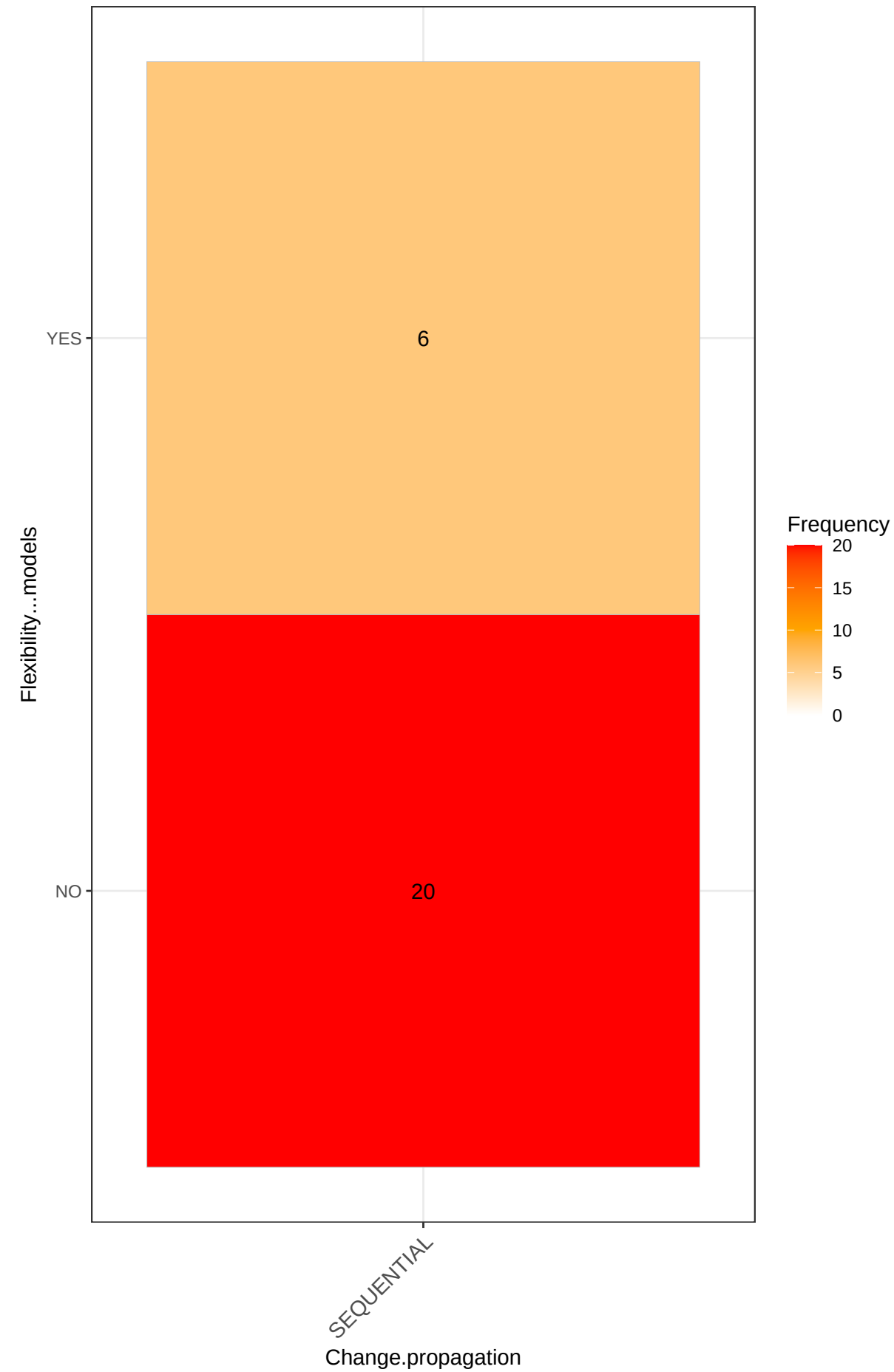

Navigation.among.notations_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.9711, p= 0.6119)
IMMEDIATE
COMPLEX
11
9
4
2
Navigation.among.notations
NO
YES
concrete.syntax.count.2.more
Frequency
10.0
7.5
5.0
2.5
0.0

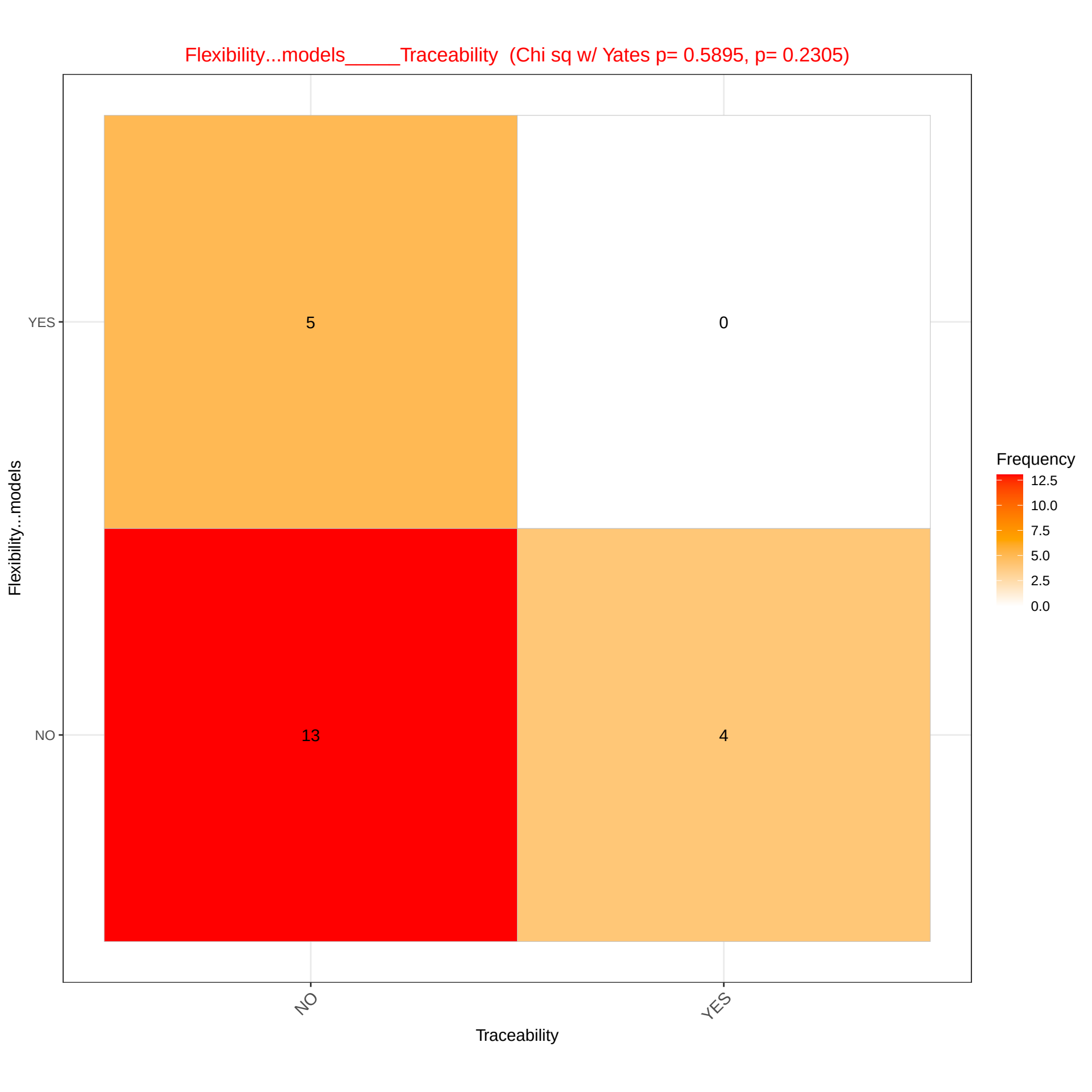

Flexibility...models_____Flexibility...language (Chi sq w/ Yates p= 1, p= 0.9209)
YES
NO
5
1
17
3
Flexibility...models
NO
YES
Flexibility...language
Frequency
16
12
8
4
0

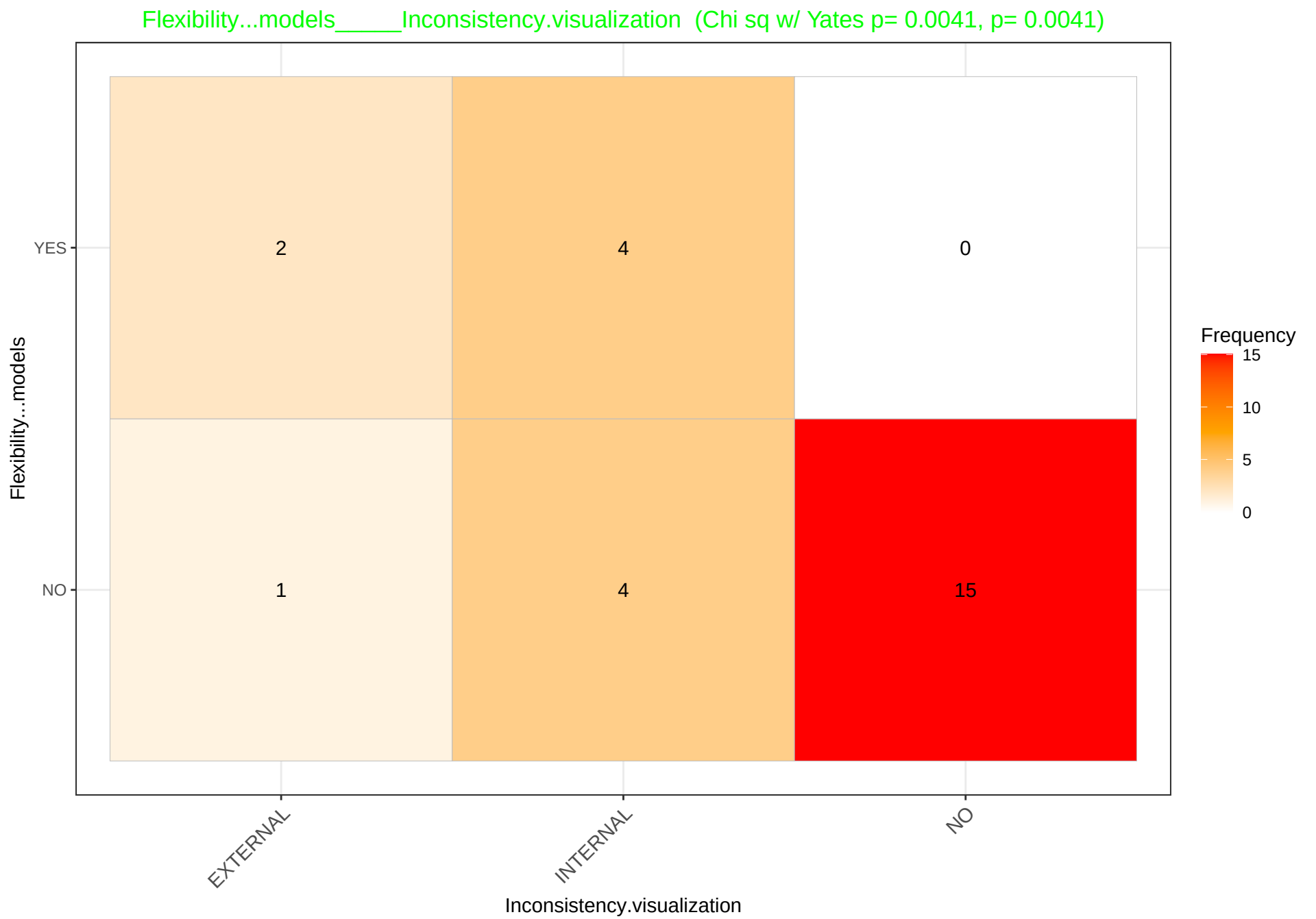

Flexibility...models_____Flexibility...persistence (Chi sq w/ Yates p= 0.4567, p= 0.1647)
YES
NO
4
2
18
2
Flexibility...models
NO
YES
Flexibility...persistence
Frequency
15
10
5
0

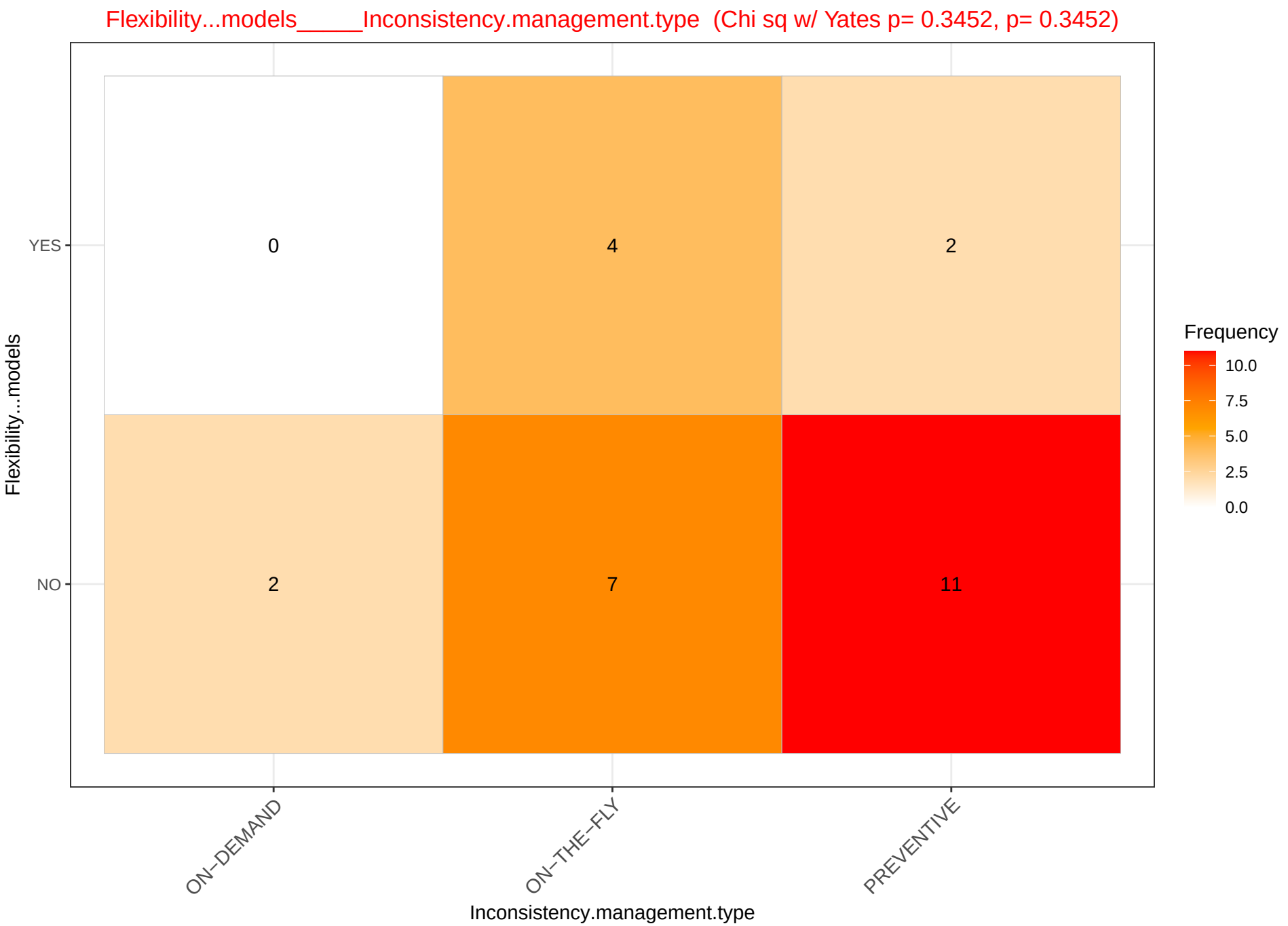

Flexibility...models_____Mapping (Chi sq w/ Yates p= 1, p= 0.9209)
YES
NO
5
1
17
3
Flexibility...models
PARSER−BASE
PROJECTIONAL
Mapping
Frequency
16
12
8
4
0

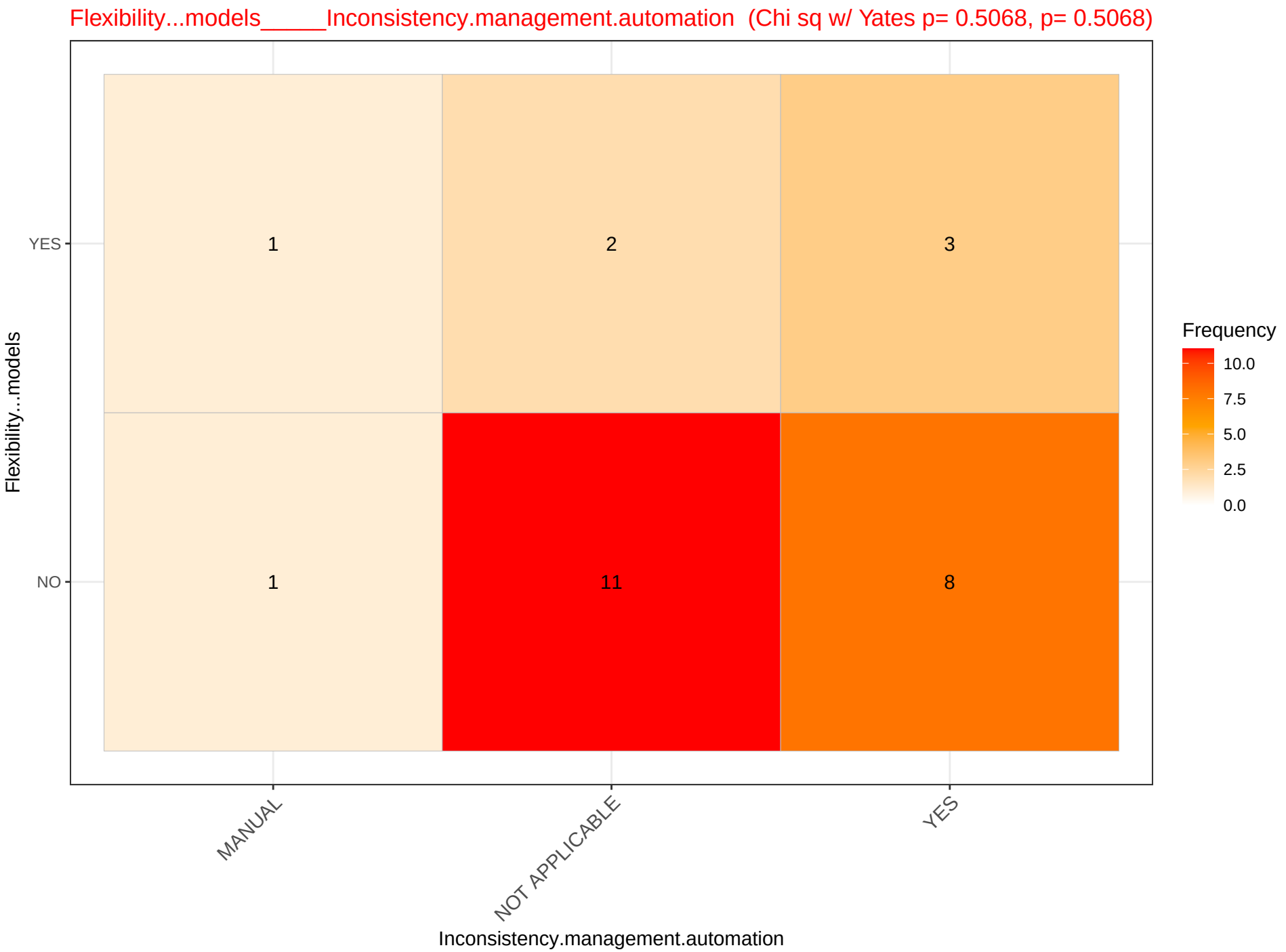

Flexibility...models_____Platform (Chi sq w/ Yates p= 0.8481, p= 0.8481)
YES
NO
4
2
0
13
8
1
Flexibility...models
ADHOC
ECLIPSE
MPS
Platform
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

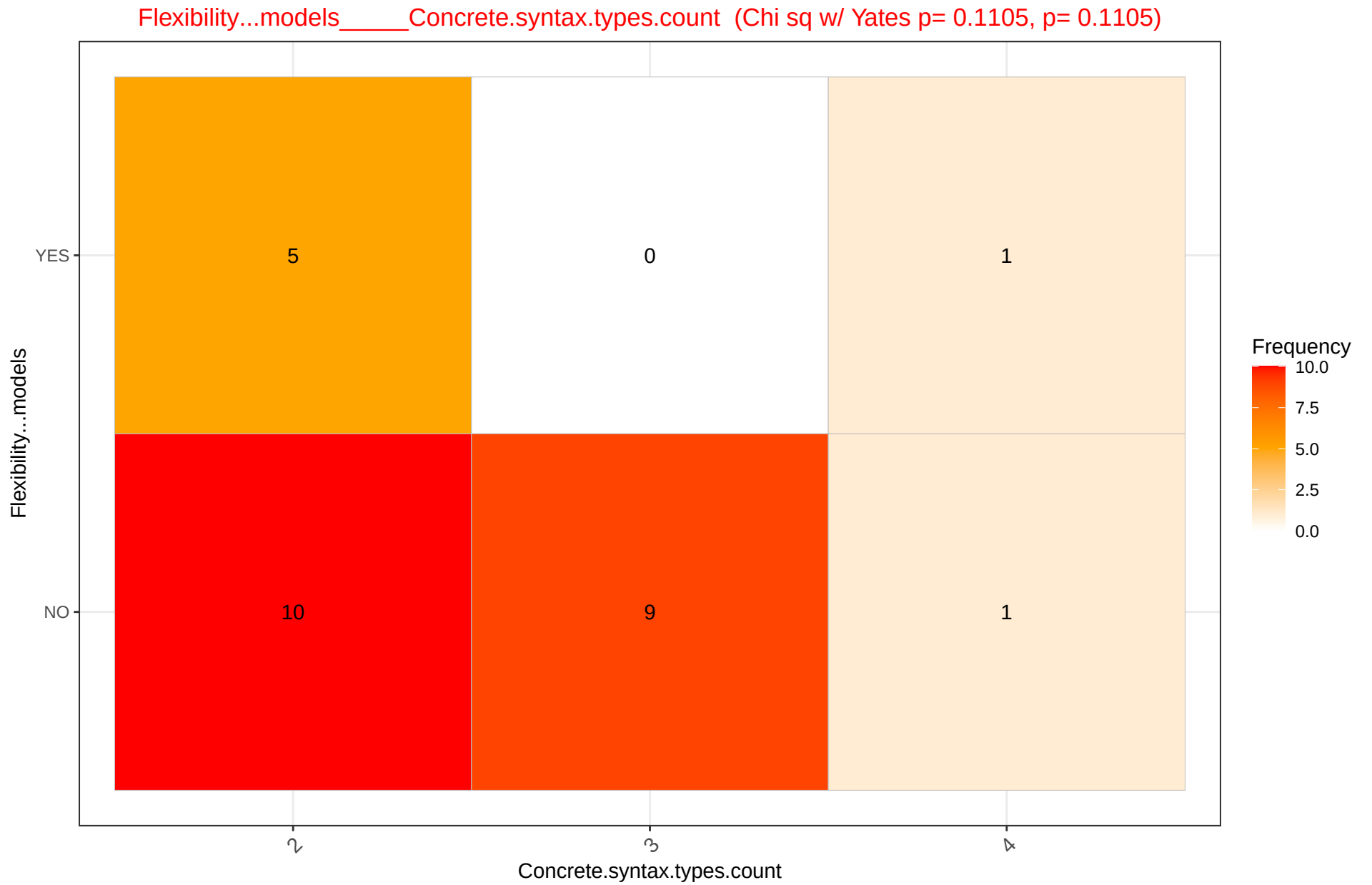

Flexibility...models_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)
YES
NO
6
20
Flexibility...models
SEQUENTIAL
Change.propagation
Frequency
20
15
10
5
0

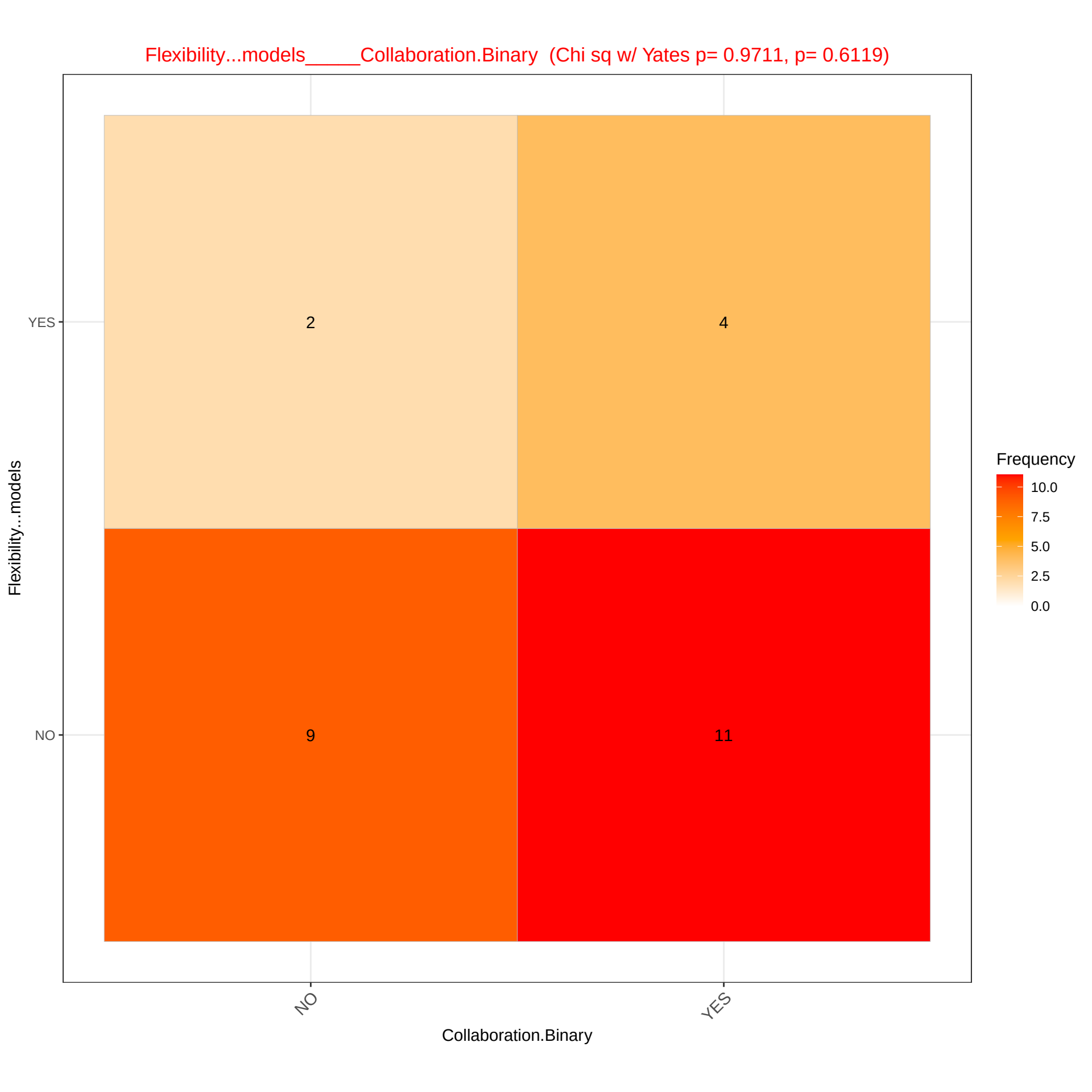

Flexibility...models_____Traceability (Chi sq w/ Yates p= 0.5895, p= 0.2305)
YES
NO
5
0
13
4
Flexibility...models
NO
YES
Traceability
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

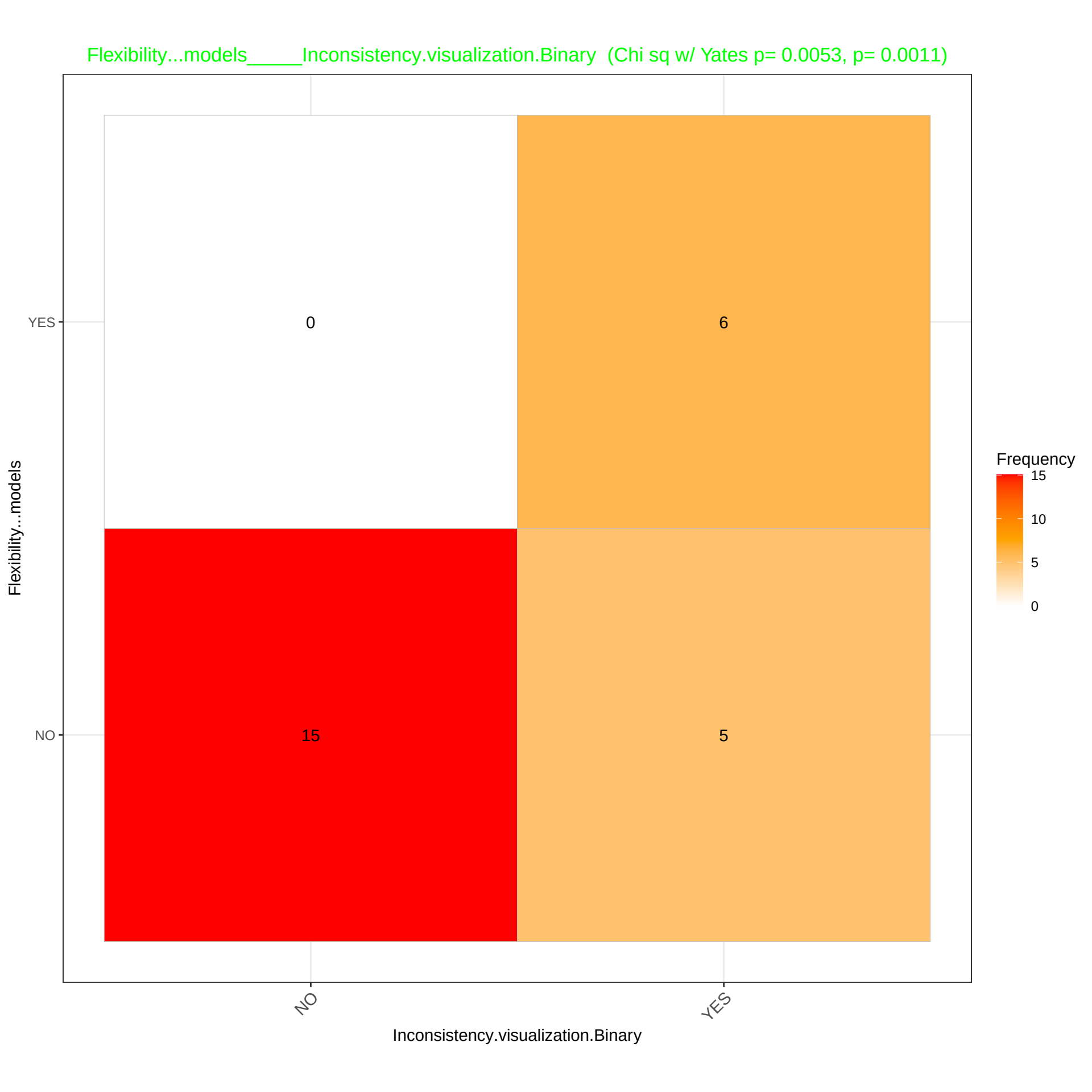

Flexibility...models_____Inconsistency.visualization (Chi sq w/ Yates p= 0.0041, p= 0.0041)
YES
NO
2
4
0
1
4
15
Flexibility...models
EXTERNAL
INTERNAL
NO
Inconsistency.visualization
Frequency
15
10
5
0

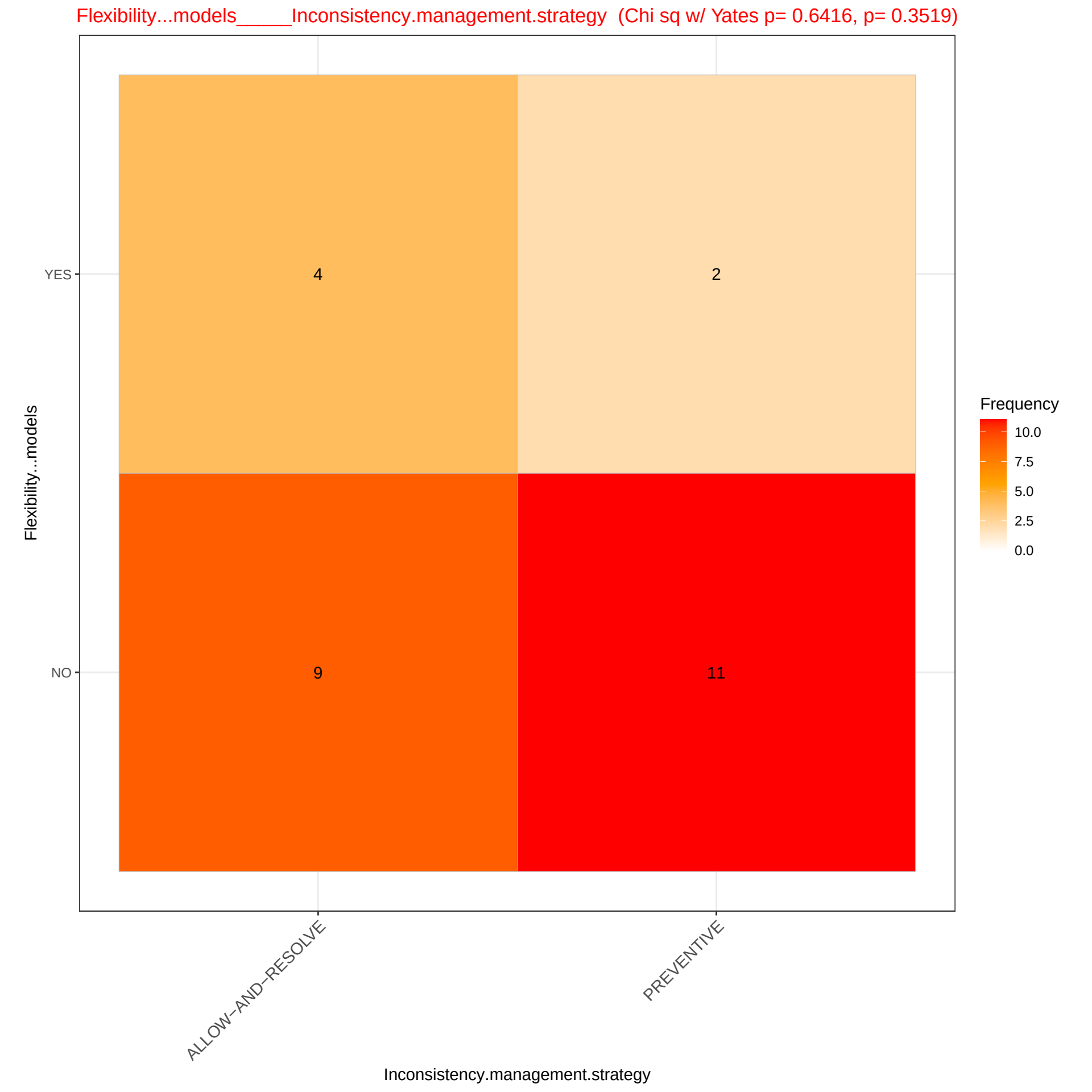

Flexibility...models_____Inconsistency.management.type (Chi sq w/ Yates p= 0.3452, p= 0.3452)
YES
NO
0
4
2
2
7
11
Flexibility...models
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type
Frequency
10.0
7.5
5.0
2.5
0.0

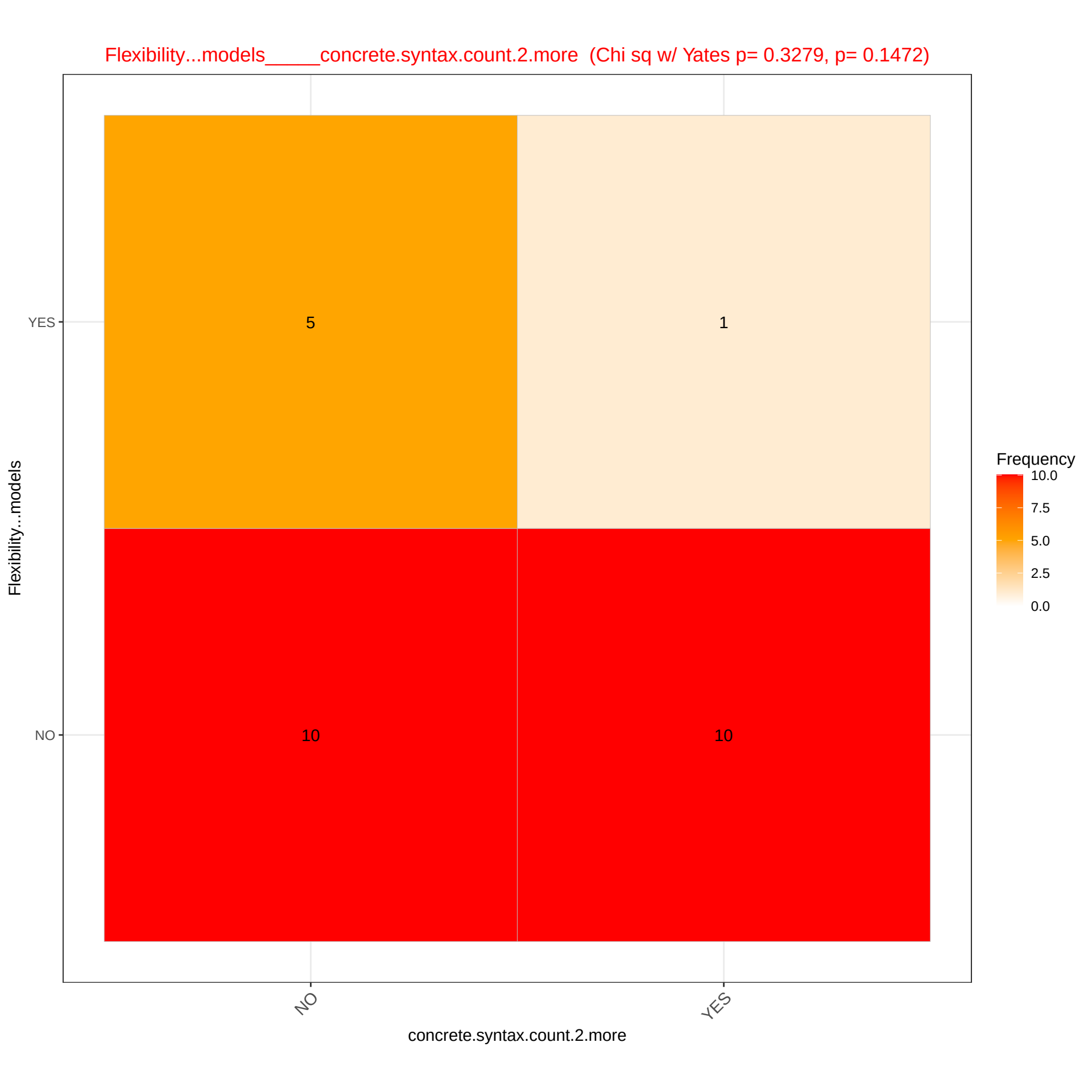

Flexibility...models_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.5068, p= 0.5068)
YES
NO
1
2
3
1
11
8
Flexibility...models
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
10.0
7.5
5.0
2.5
0.0

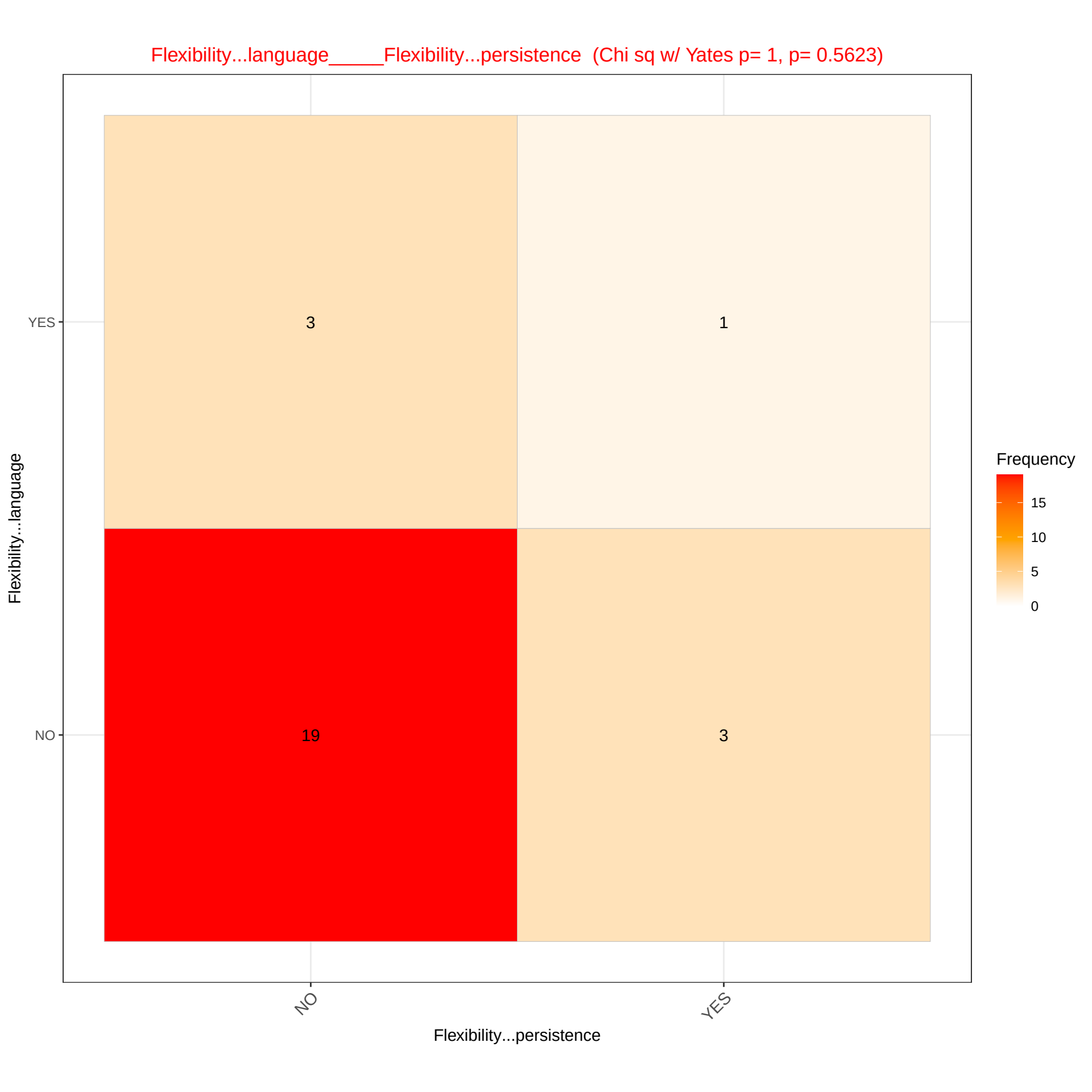

Flexibility...models_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.1105, p= 0.1105)
YES
NO
5
0
1
10
9
1
Flexibility...models
2
3
4
Concrete.syntax.types.count
Frequency
10.0
7.5
5.0
2.5
0.0

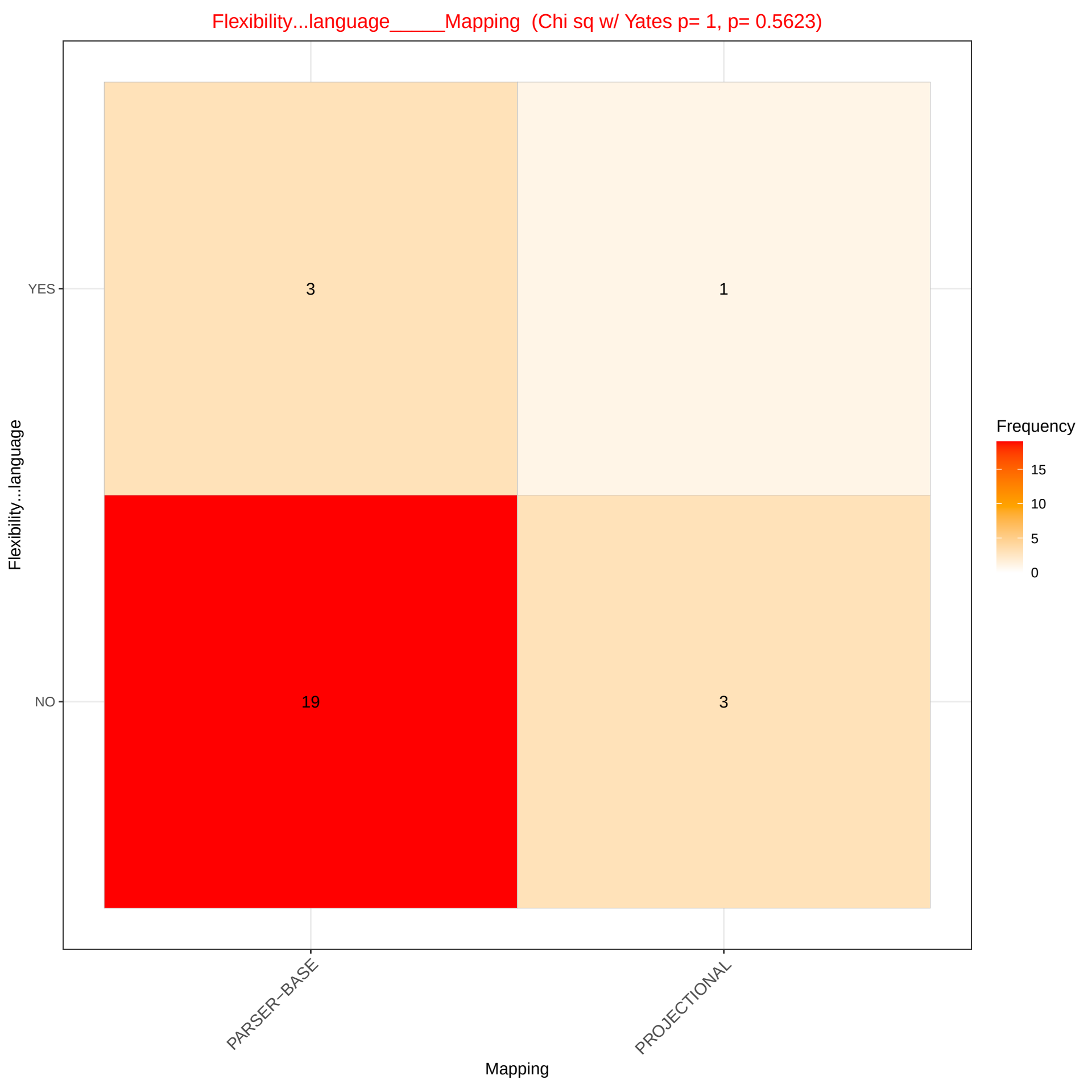

Flexibility...models_____Collaboration.Binary (Chi sq w/ Yates p= 0.9711, p= 0.6119)
YES
NO
2
4
9
11
Flexibility...models
NO
YES
Collaboration.Binary
Frequency
10.0
7.5
5.0
2.5
0.0

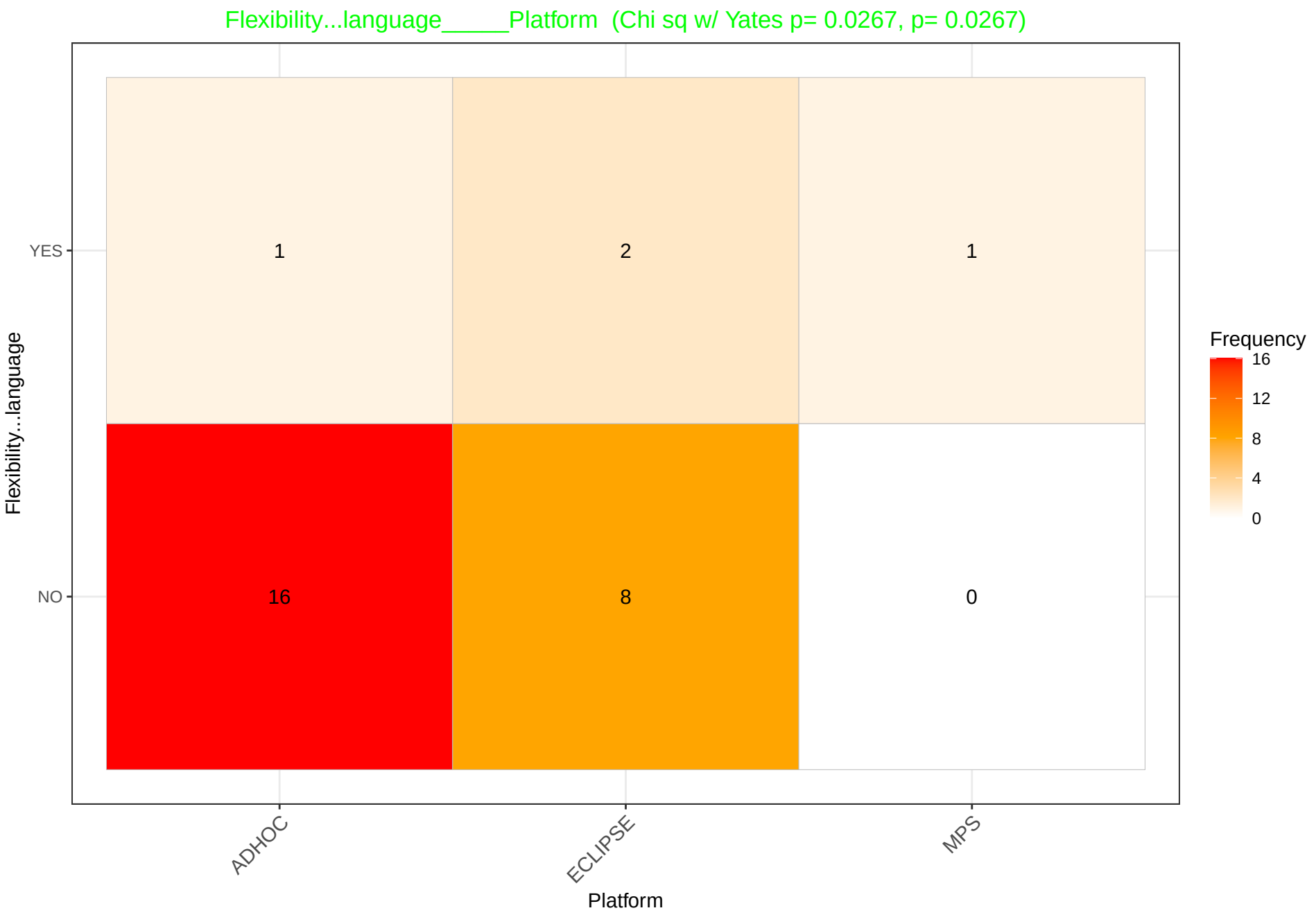

Flexibility...models_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.0053, p= 0.0011)
YES
NO
0
6
15
5
Flexibility...models
NO
YES
Inconsistency.visualization.Binary
Frequency
15
10
5
0

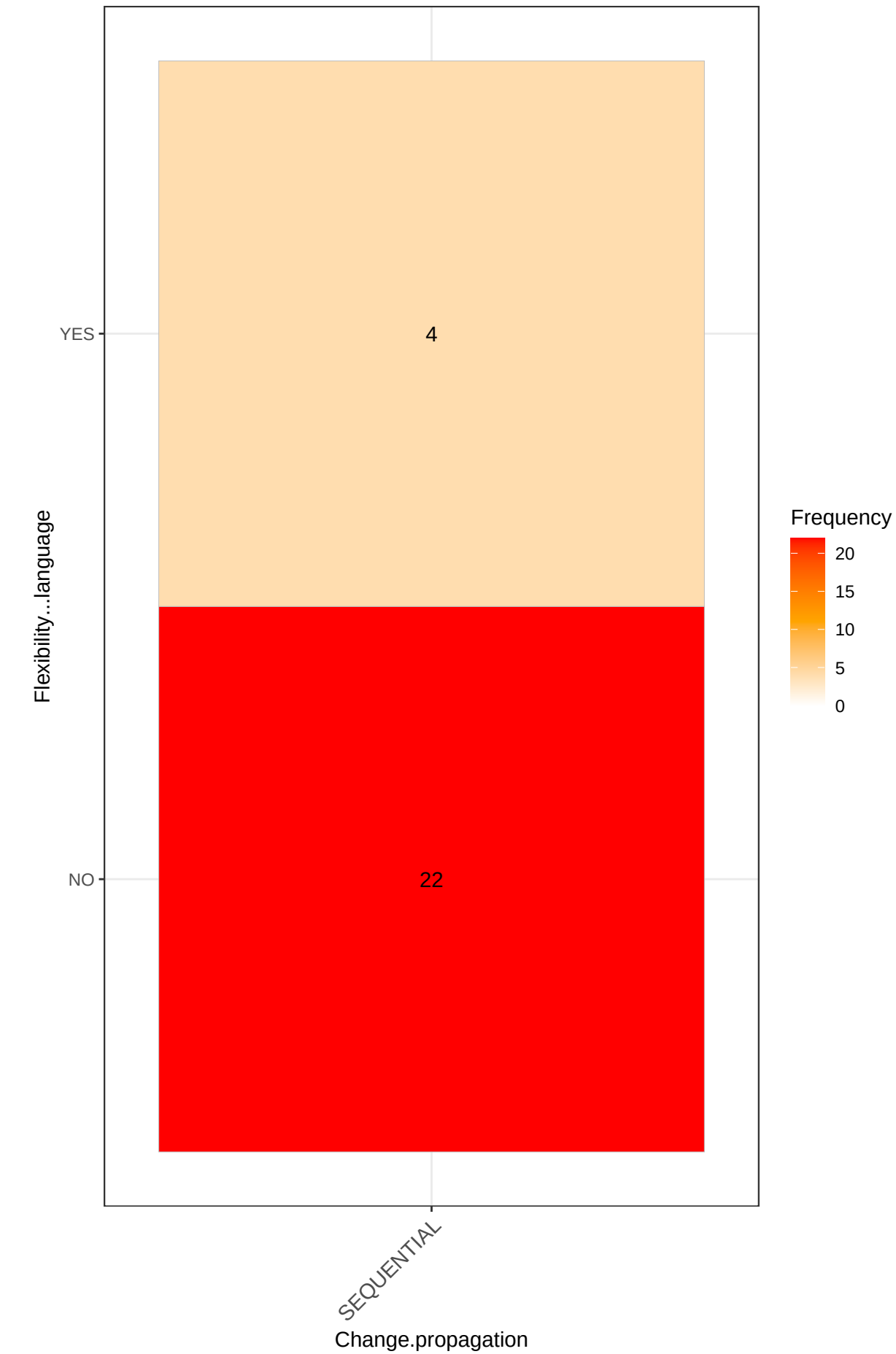

Flexibility...models_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.6416, p= 0.3519)
YES
NO
4
2
9
11
Flexibility...models
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy
Frequency
10.0
7.5
5.0
2.5
0.0

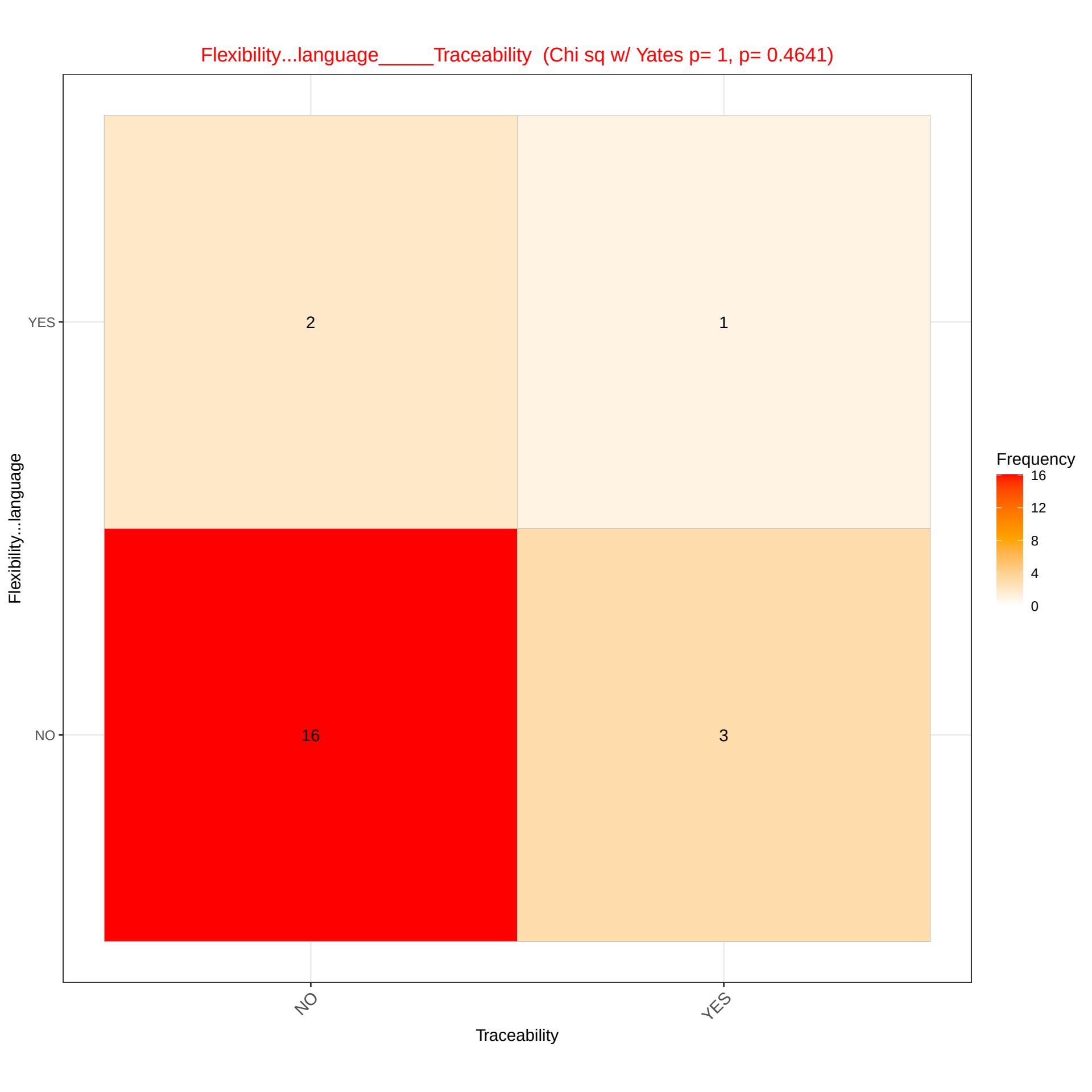

Flexibility...models_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.3279, p= 0.1472)
YES
NO
5
1
10
10
Flexibility...models
NO
YES
concrete.syntax.count.2.more
Frequency
10.0
7.5
5.0
2.5
0.0

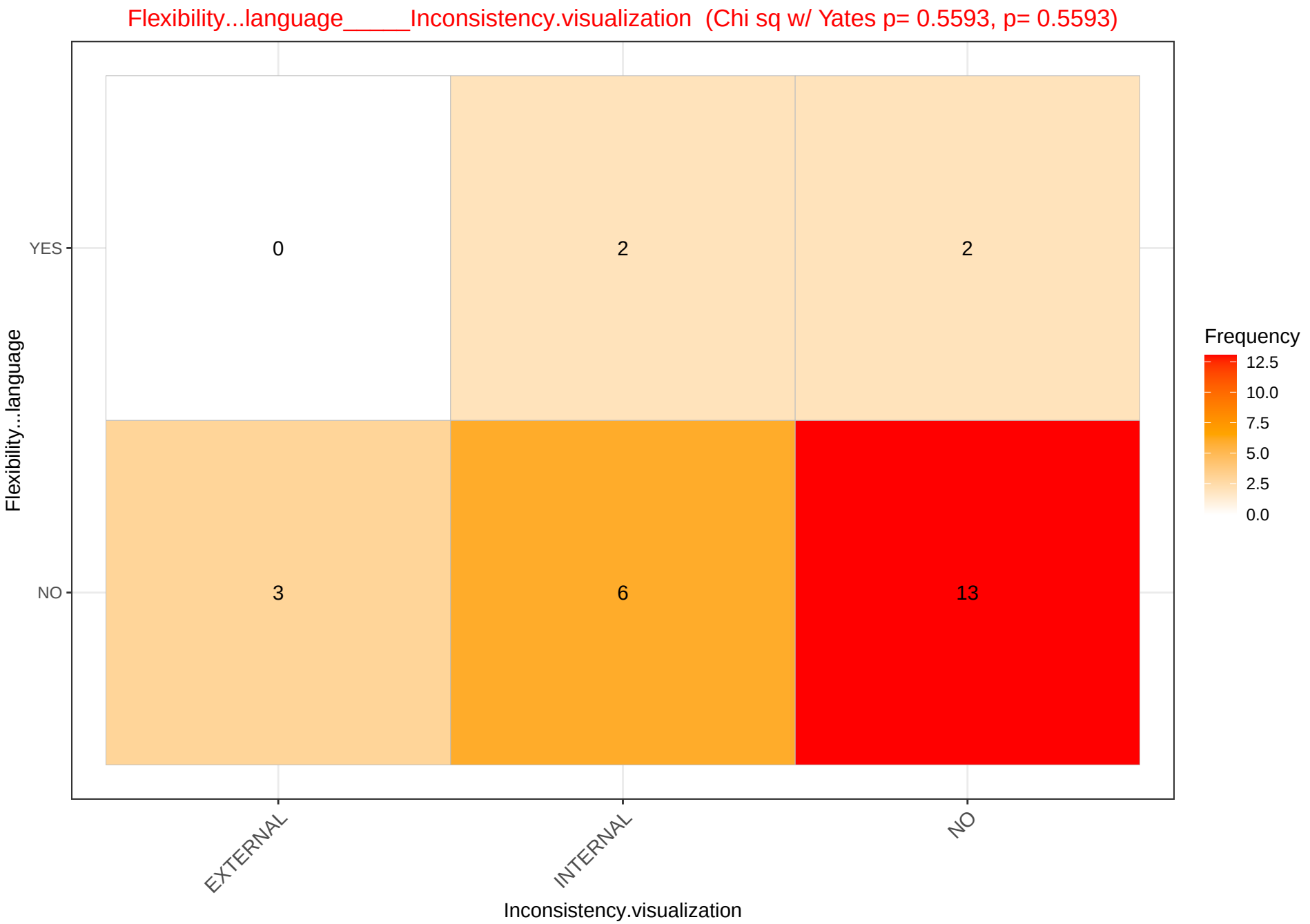

Flexibility...language_____Flexibility...persistence (Chi sq w/ Yates p= 1, p= 0.5623)
YES
NO
3
1
19
3
Flexibility...language
NO
YES
Flexibility...persistence
Frequency
15
10
5
0

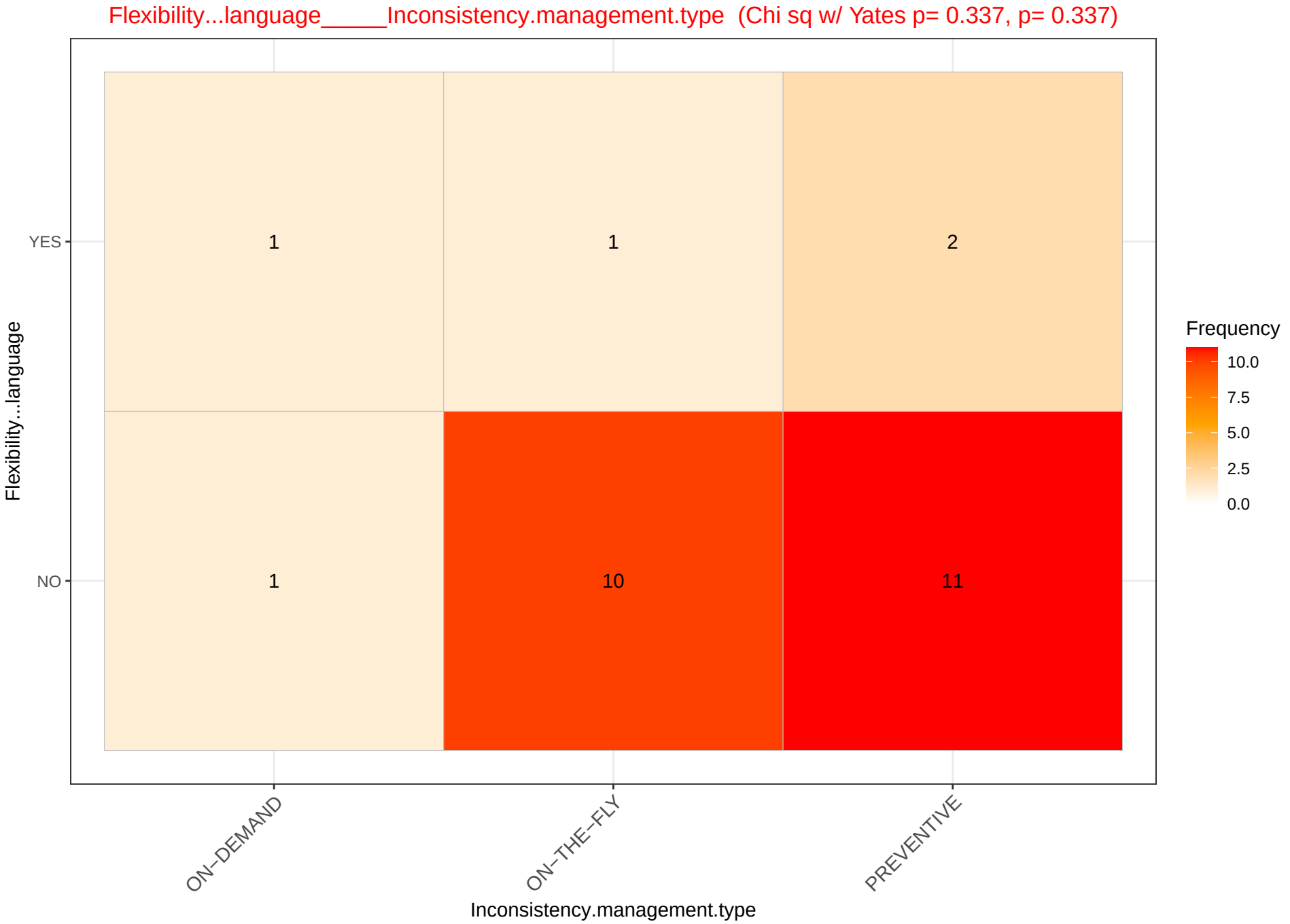

Flexibility...language_____Mapping (Chi sq w/ Yates p= 1, p= 0.5623)
YES
NO
3
1
19
3
Flexibility...language
PARSER−BASE
PROJECTIONAL
Mapping
Frequency
15
10
5
0

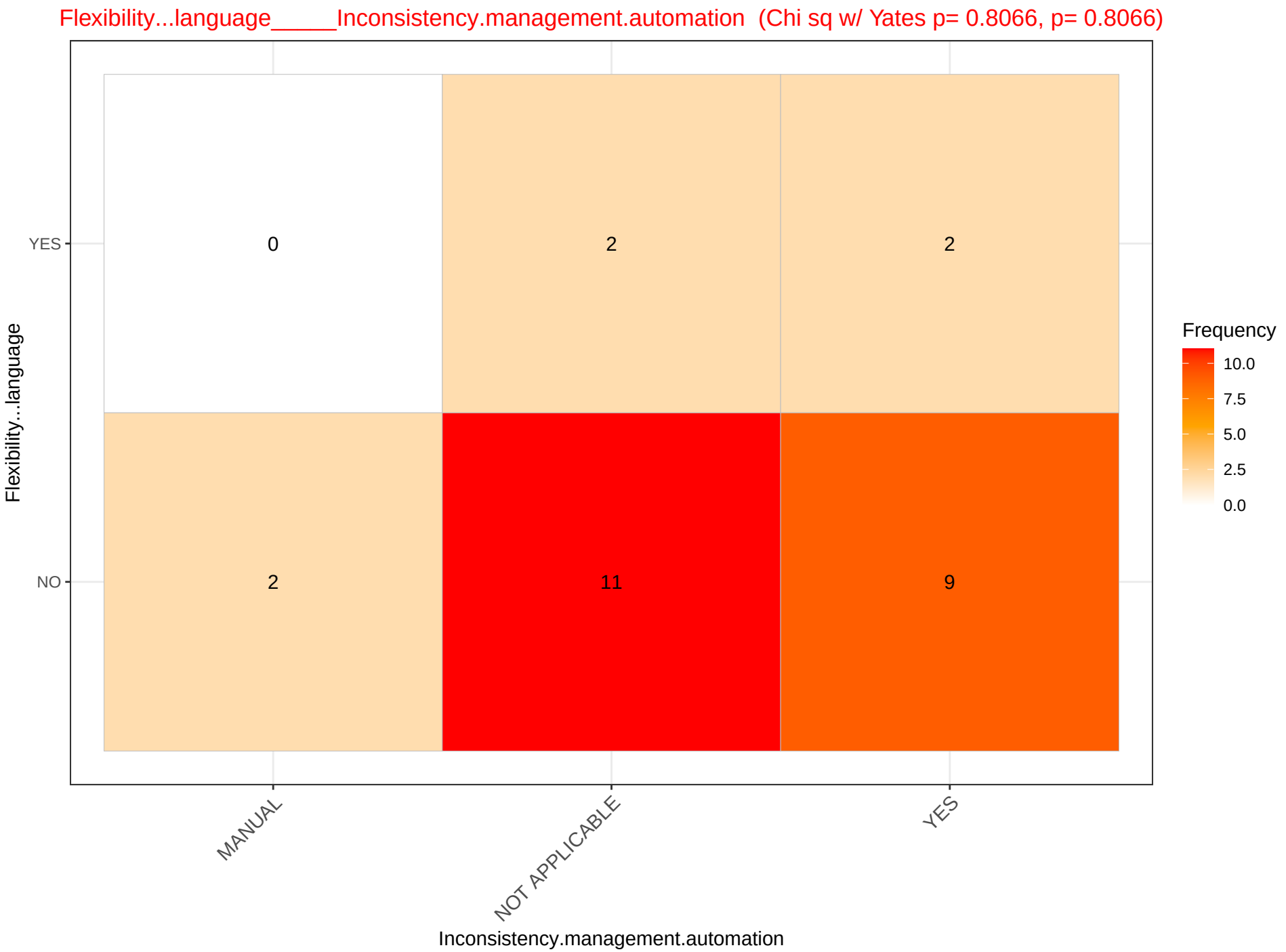

Flexibility...language_____Platform (Chi sq w/ Yates p= 0.0267, p= 0.0267)
YES
NO
1
2
1
16
8
0
Flexibility...language
ADHOC
ECLIPSE
MPS
Platform
Frequency
16
12
8
4
0

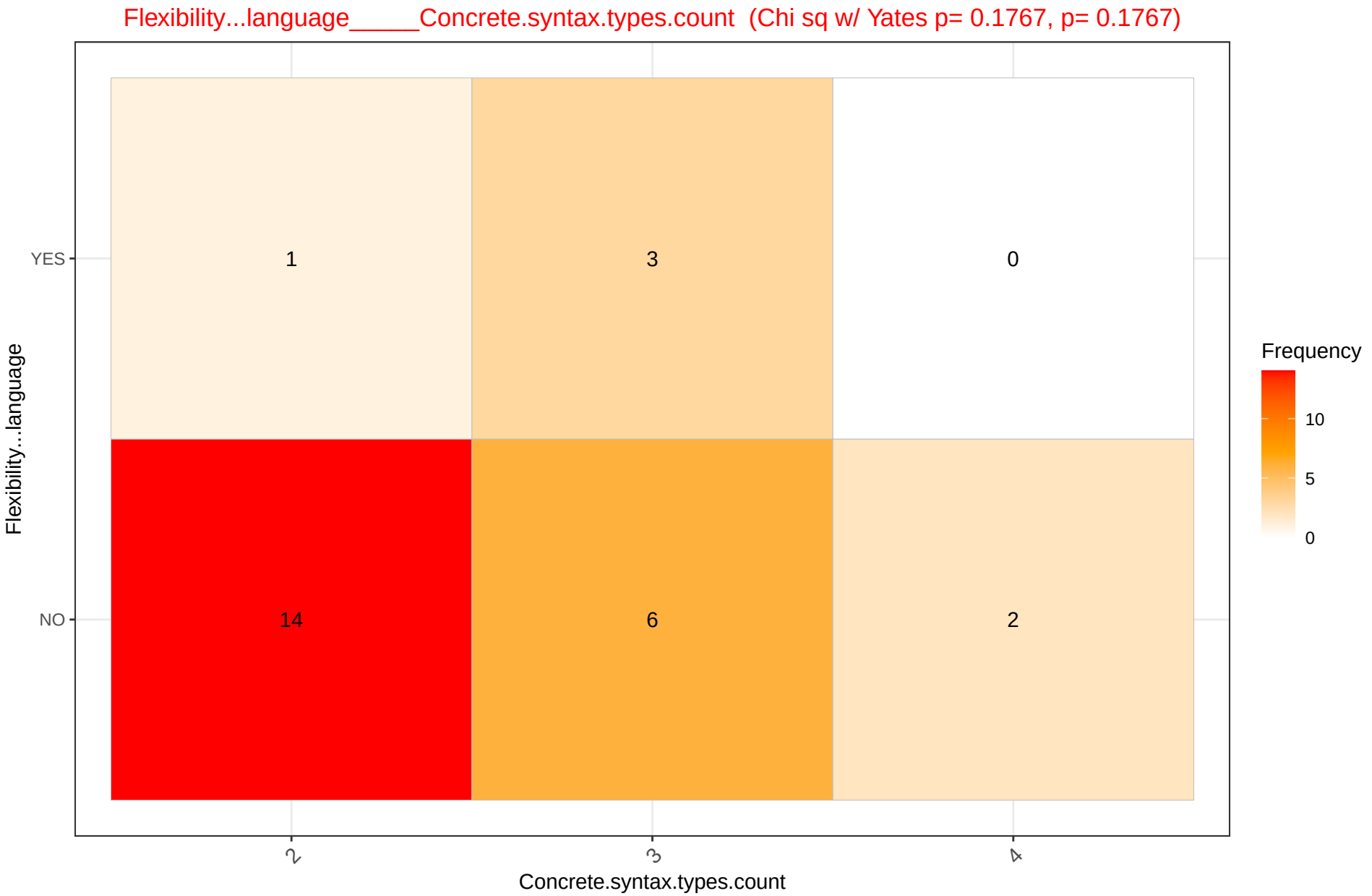

Flexibility...language_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)
YES
NO
4
22
Flexibility...language
SEQUENTIAL
Change.propagation
Frequency
20
15
10
5
0

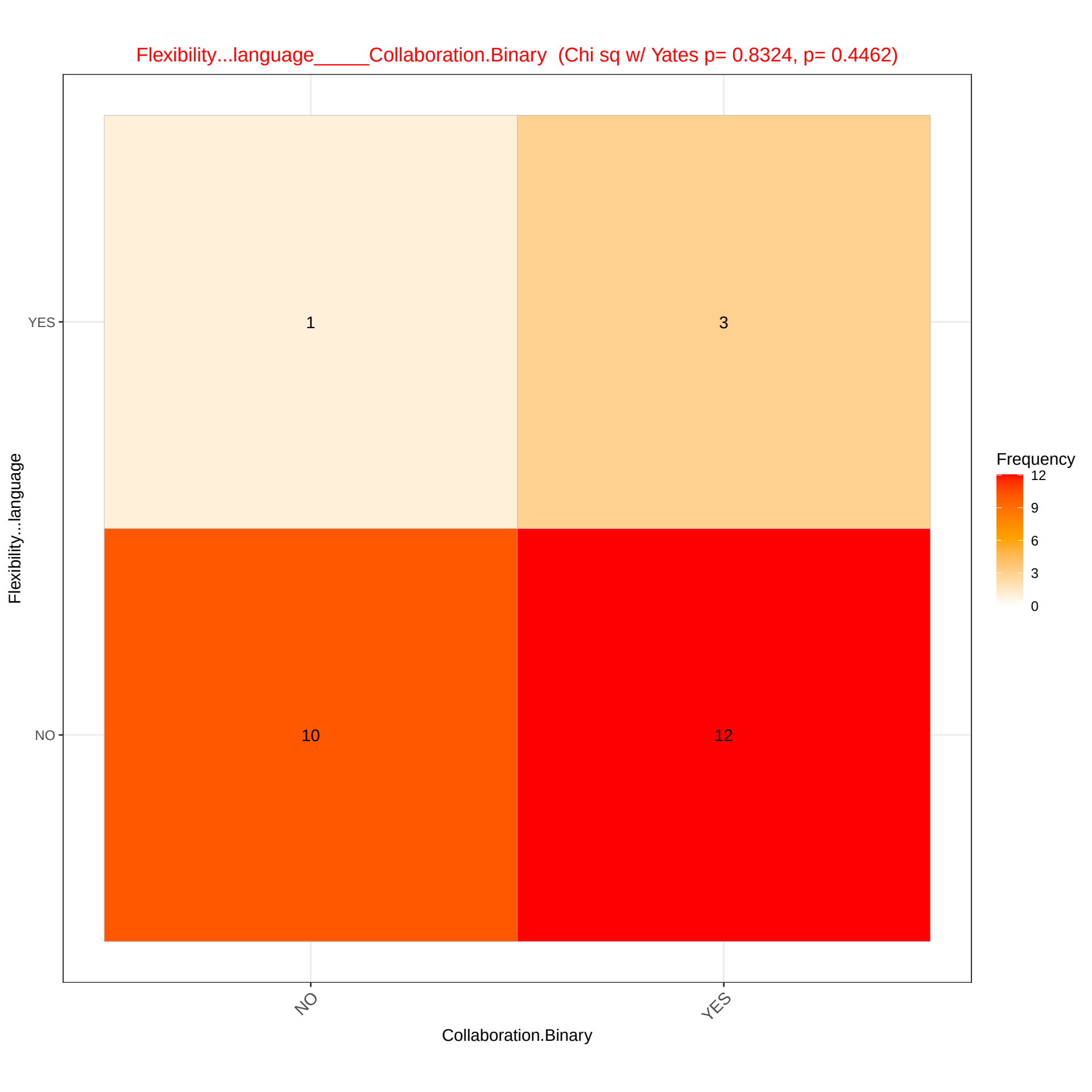

Flexibility...language_____Traceability (Chi sq w/ Yates p= 1, p= 0.4641)
YES
NO
2
1
16
3
Flexibility...language
NO
YES
Traceability
Frequency
16
12
8
4
0

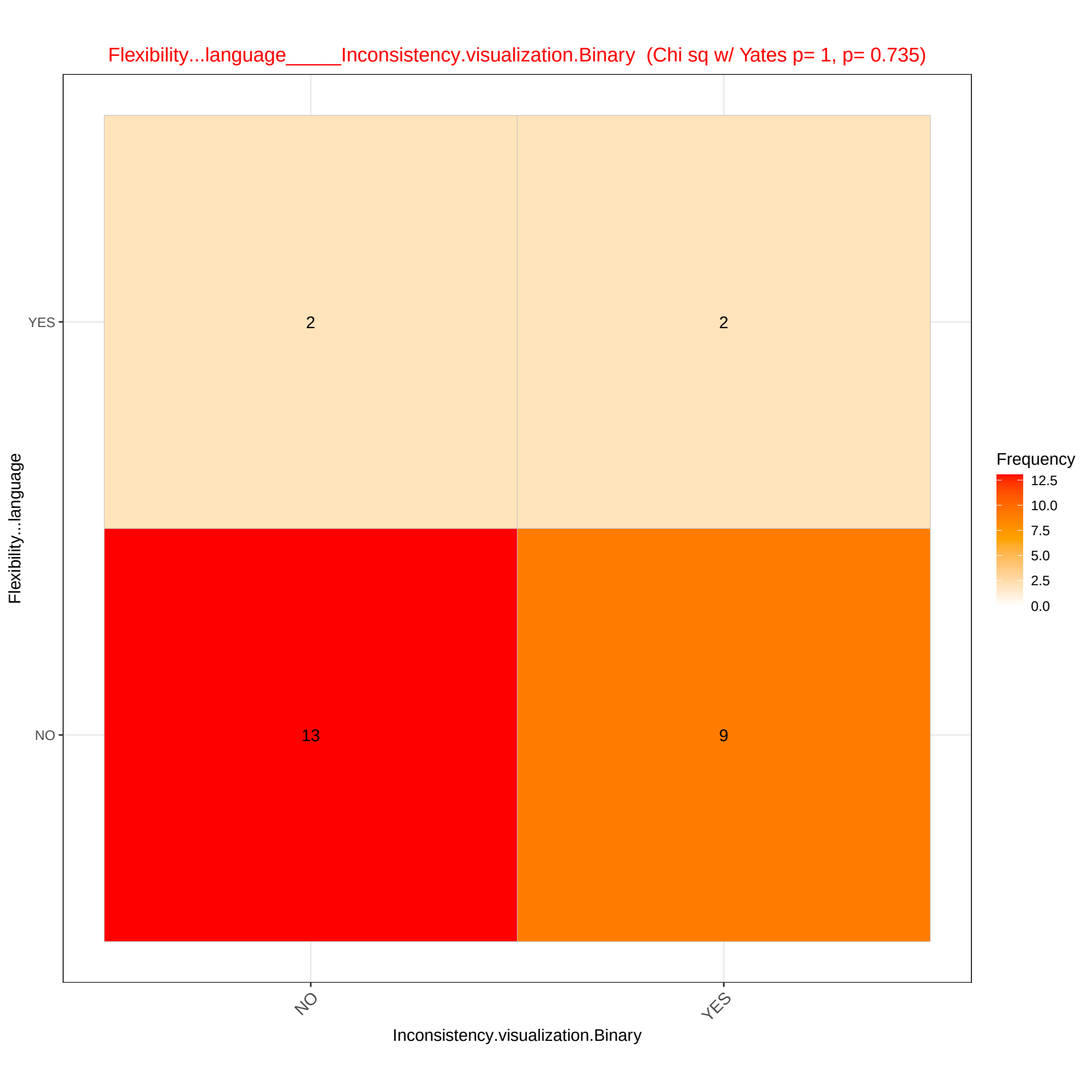

Flexibility...language_____Inconsistency.visualization (Chi sq w/ Yates p= 0.5593, p= 0.5593)
YES
NO
0
2
2
3
6
13
Flexibility...language
EXTERNAL
INTERNAL
NO
Inconsistency.visualization
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

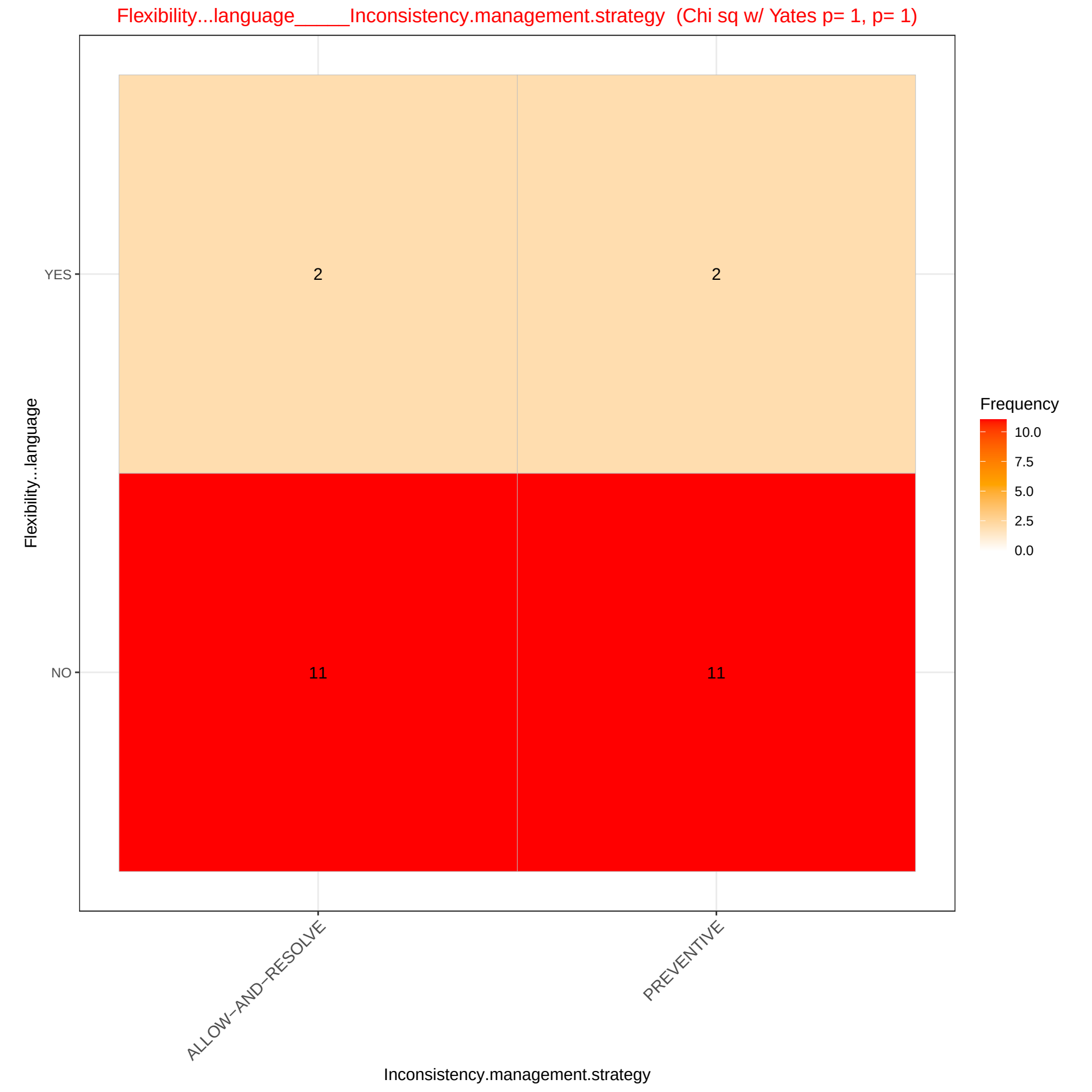

Flexibility...language_____Inconsistency.management.type (Chi sq w/ Yates p= 0.337, p= 0.337)
YES
NO
1
1
2
1
10
11
Flexibility...language
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type
Frequency
10.0
7.5
5.0
2.5
0.0

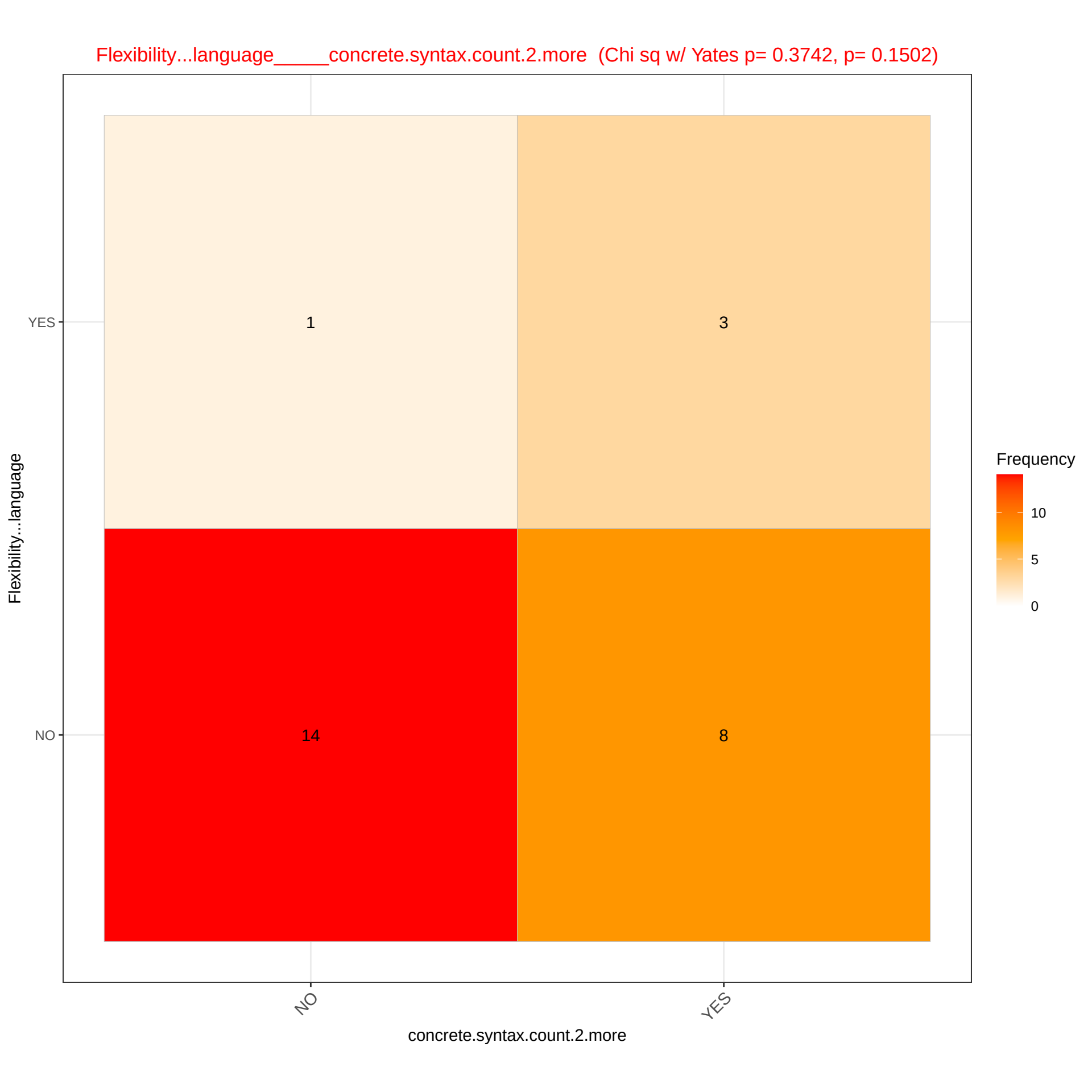

Flexibility...language_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.8066, p= 0.8066)
YES
NO
0
2
2
2
11
9
Flexibility...language
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
10.0
7.5
5.0
2.5
0.0

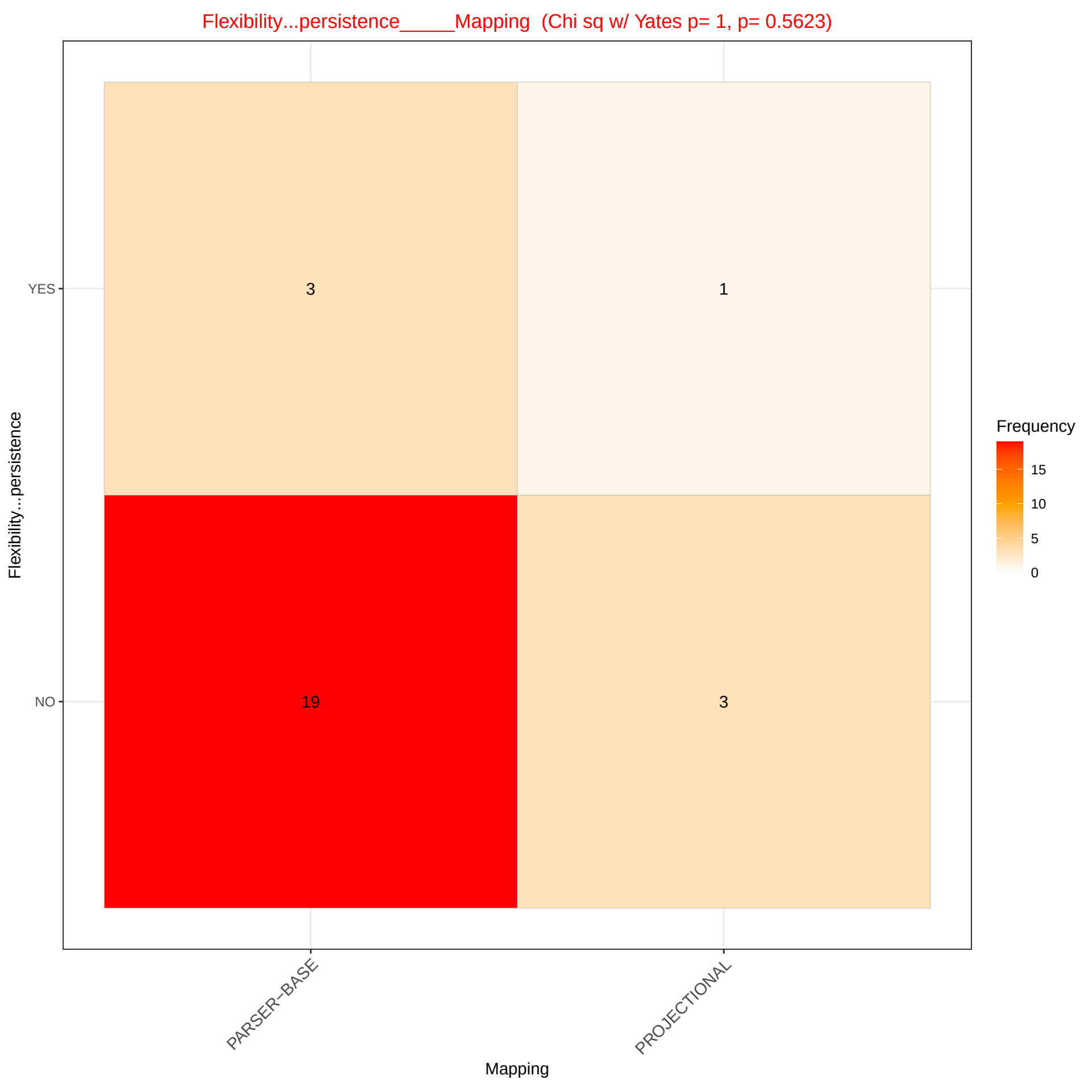

Flexibility...language_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.1767, p= 0.1767)
YES
NO
1
3
0
14
6
2
Flexibility...language
2
3
4
Concrete.syntax.types.count
Frequency
10
5
0

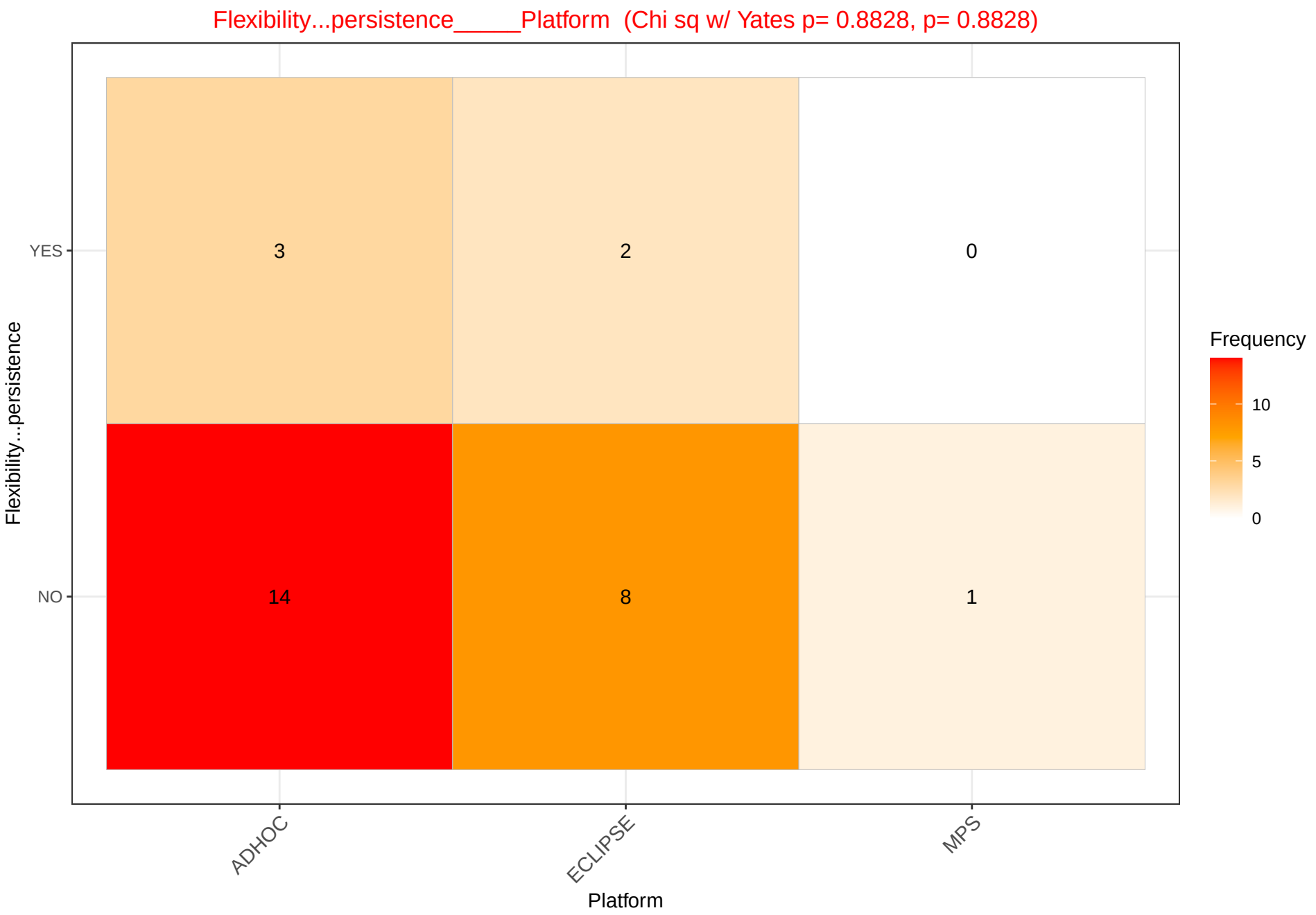

Flexibility...language_____Collaboration.Binary (Chi sq w/ Yates p= 0.8324, p= 0.4462)
YES
NO
1
3
10
12
Flexibility...language
NO
YES
Collaboration.Binary
Frequency
12
9
6
3
0

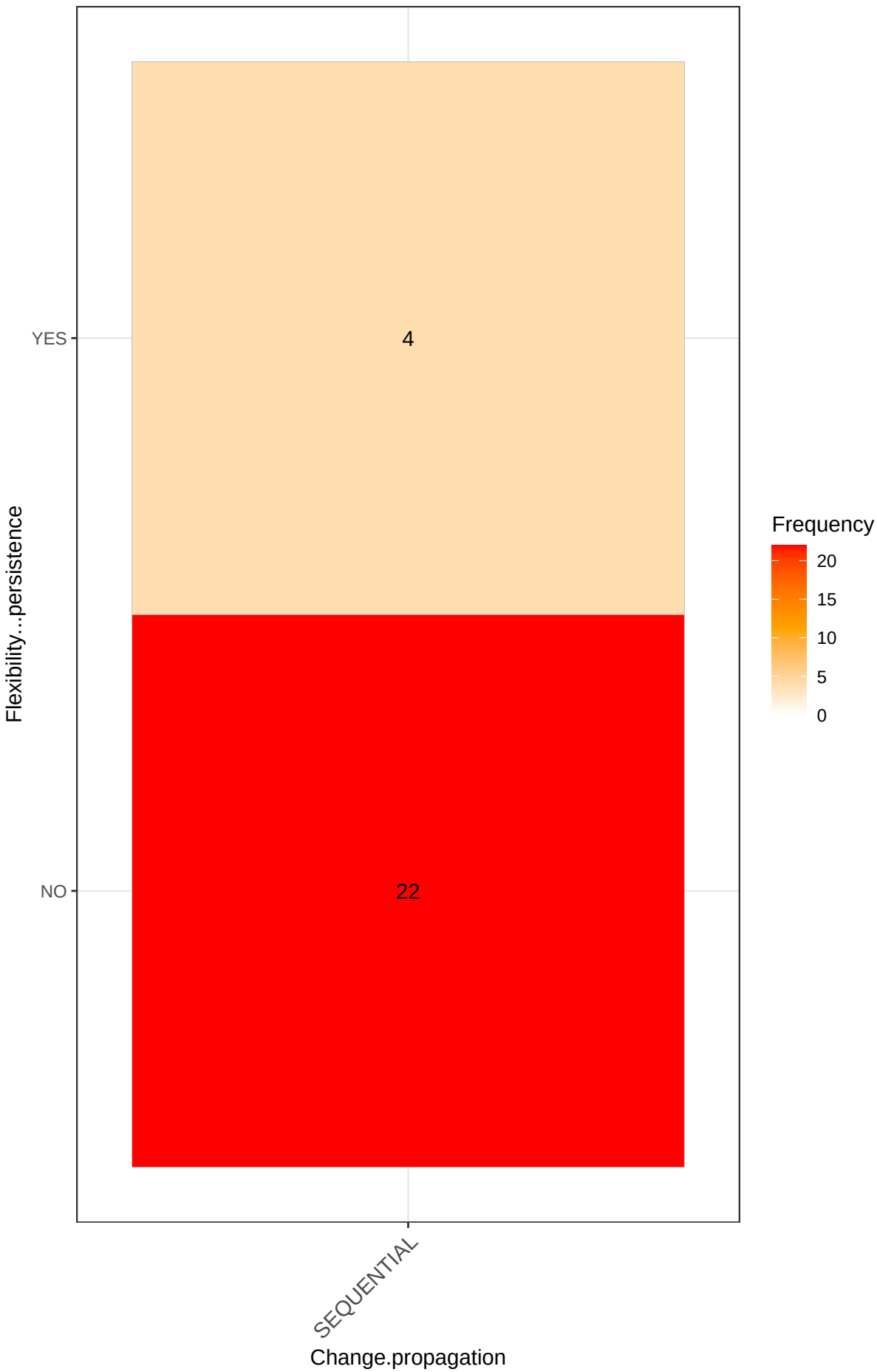

Flexibility...language_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 1, p= 0.735)
YES
NO
2
2
13
9
Flexibility...language
NO
YES
Inconsistency.visualization.Binary
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

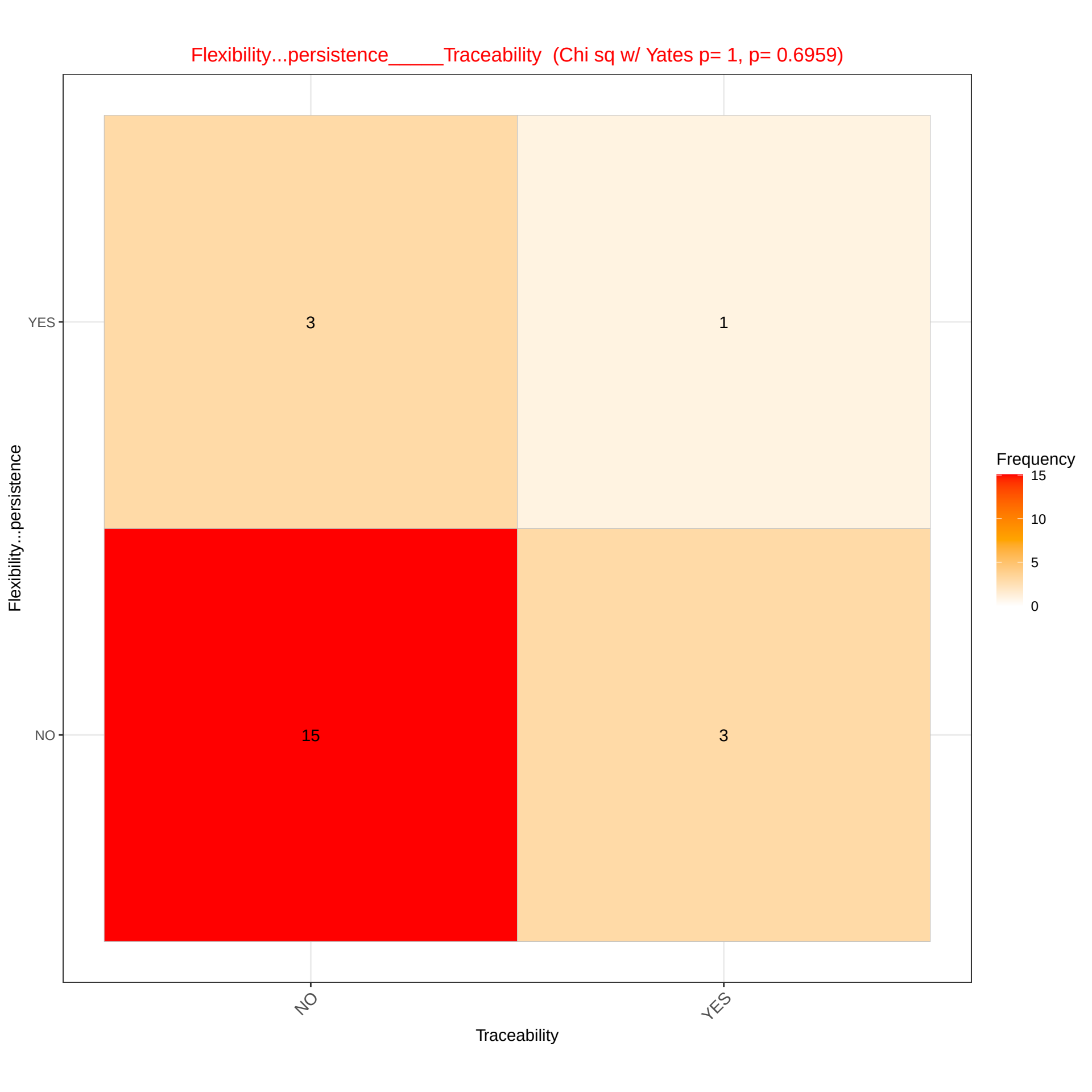

Flexibility...language_____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 1)
YES
NO
2
2
11
11
Flexibility...language
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy
Frequency
10.0
7.5
5.0
2.5
0.0

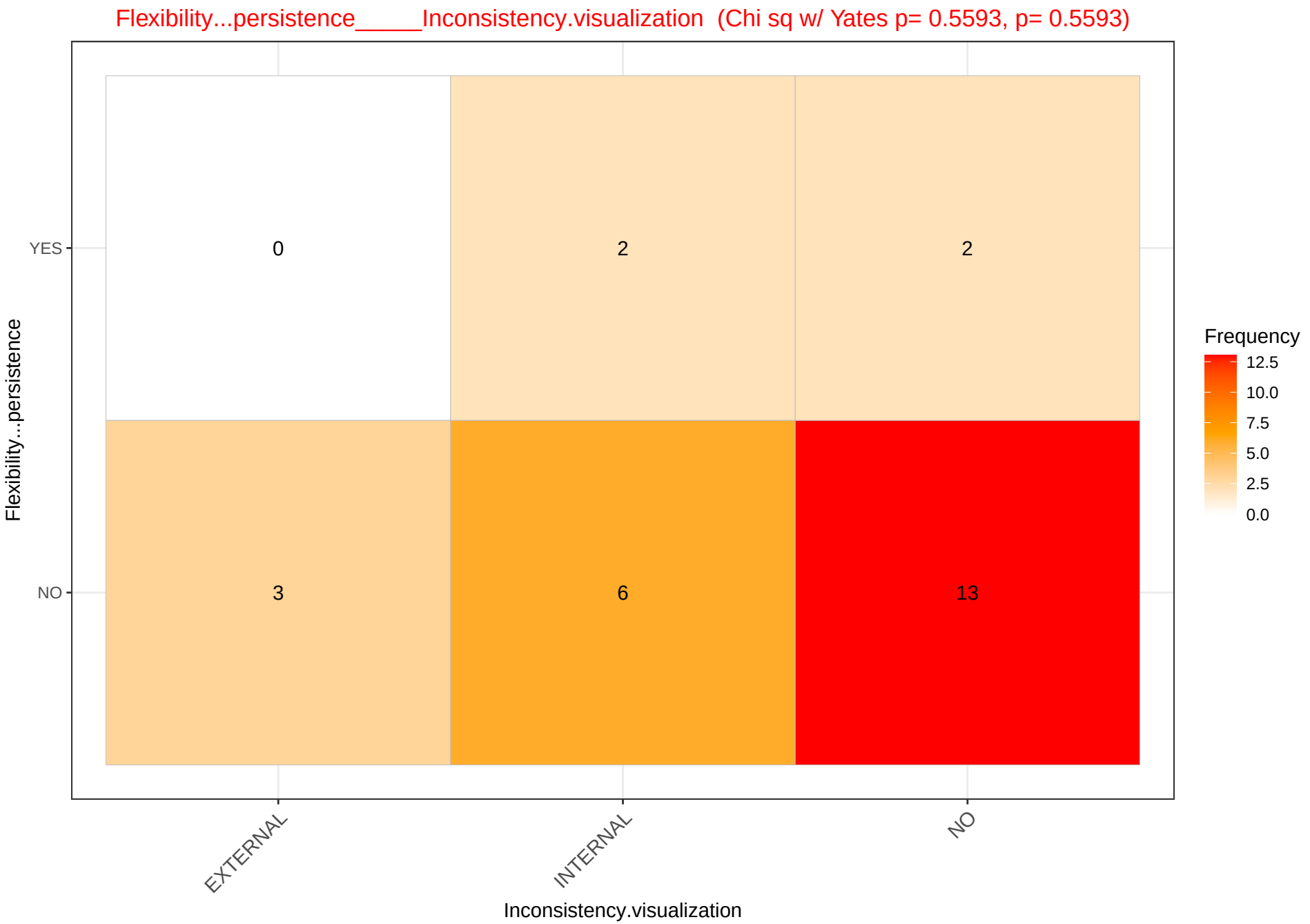

Flexibility...language_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.3742, p= 0.1502)
YES
NO
1
3
14
8
Flexibility...language
NO
YES
concrete.syntax.count.2.more
Frequency
10
5
0

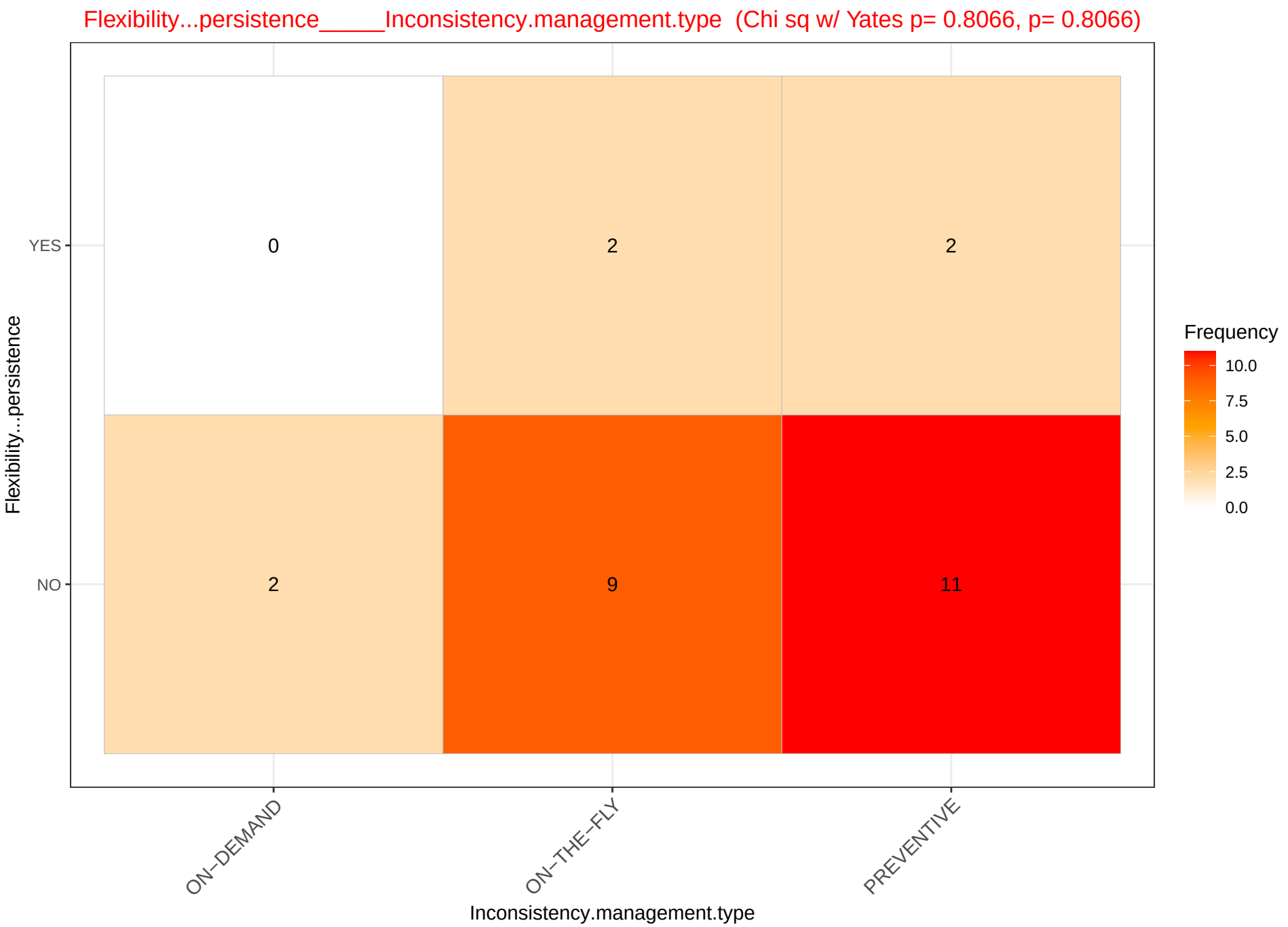

Flexibility...persistence_____Mapping (Chi sq w/ Yates p= 1, p= 0.5623)
YES
NO
3
1
19
3
Flexibility...persistence
PARSER−BASE
PROJECTIONAL
Mapping
Frequency
15
10
5
0

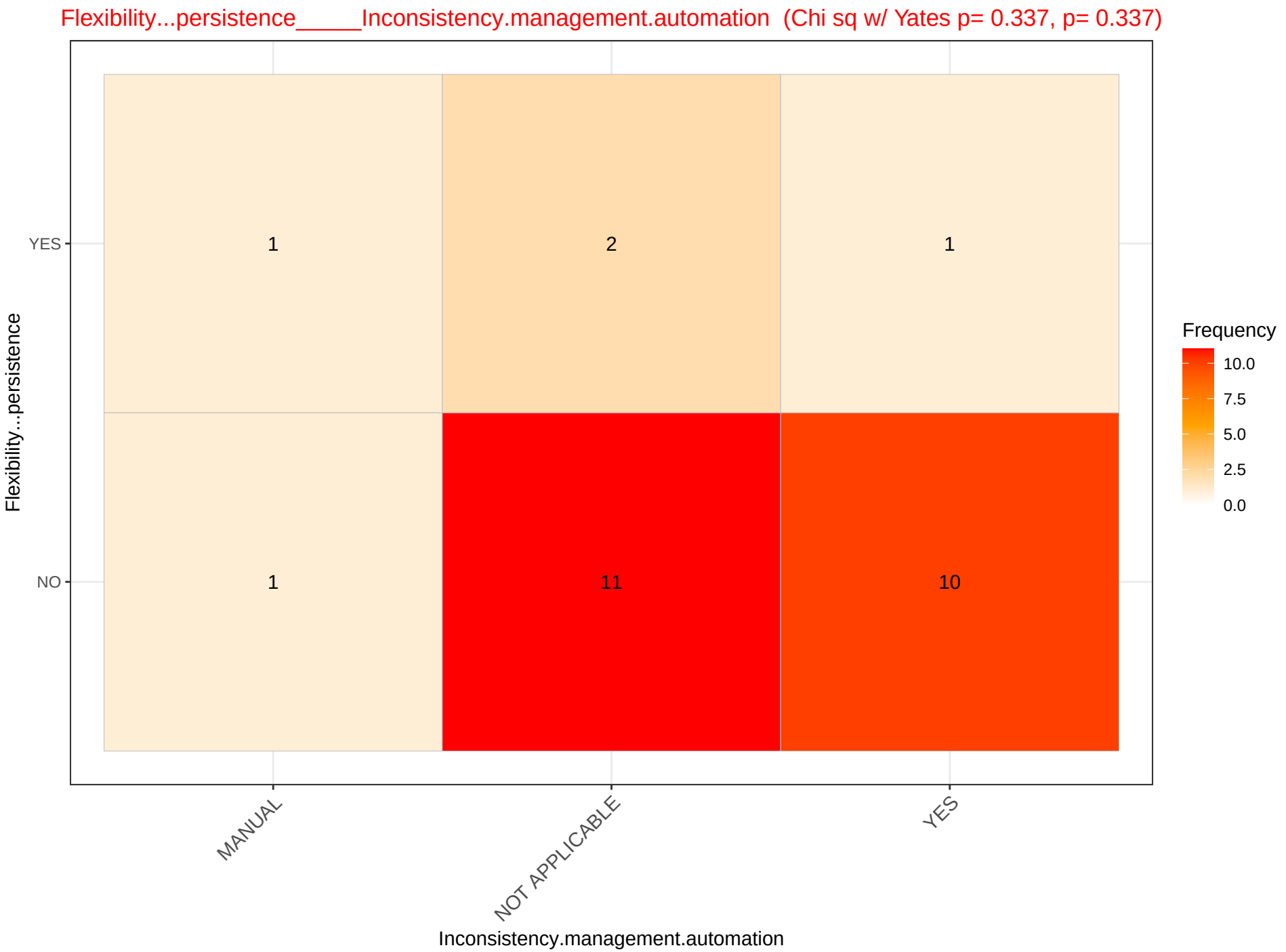

Flexibility...persistence_____Platform (Chi sq w/ Yates p= 0.8828, p= 0.8828)
YES
NO
3
2
0
14
8
1
Flexibility...persistence
ADHOC
ECLIPSE
MPS
Platform
Frequency
10
5
0

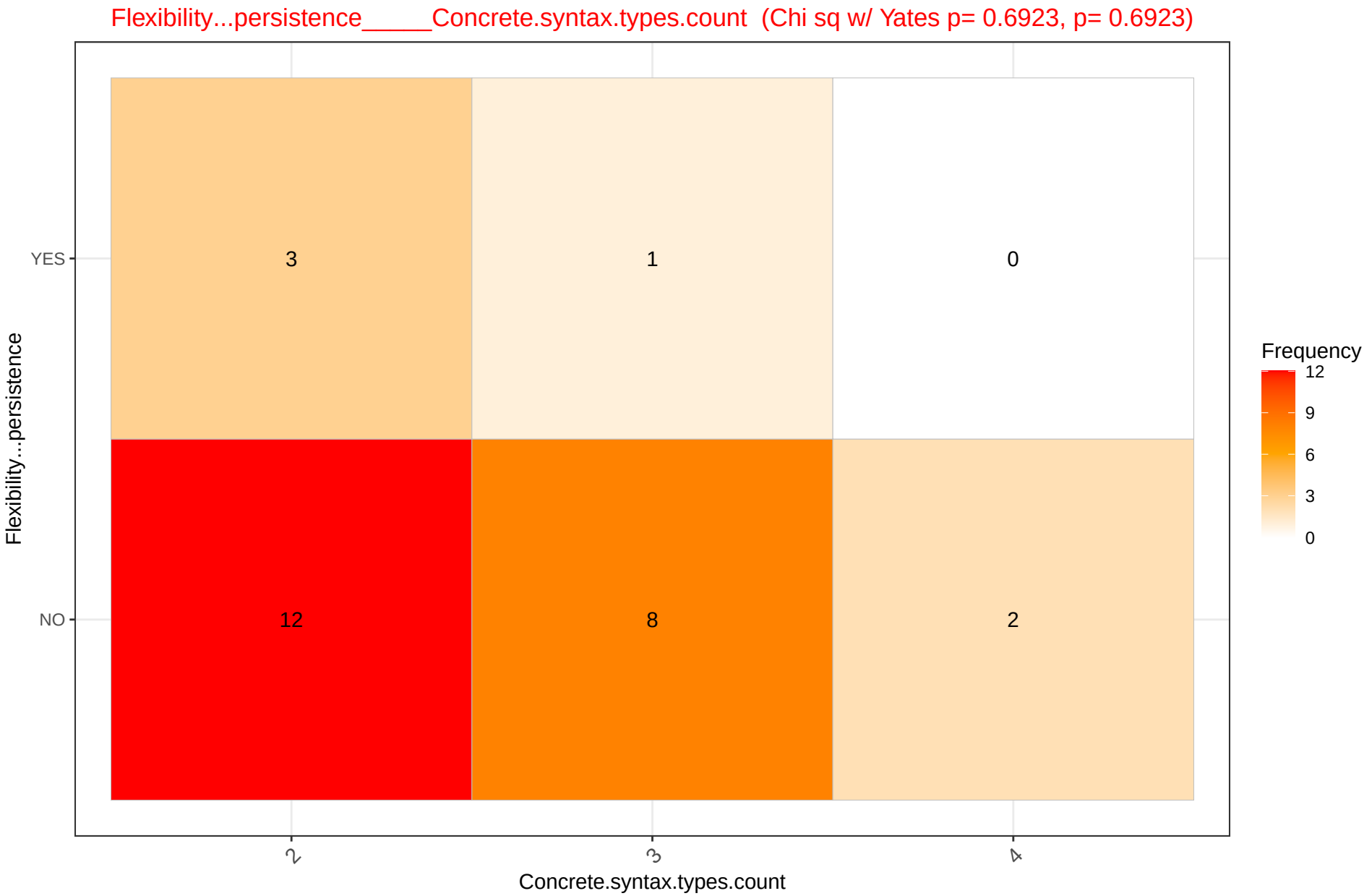

Flexibility...persistence_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)
YES
NO
4
22
Flexibility...persistence
SEQUENTIAL
Change.propagation
Frequency
20
15
10
5
0

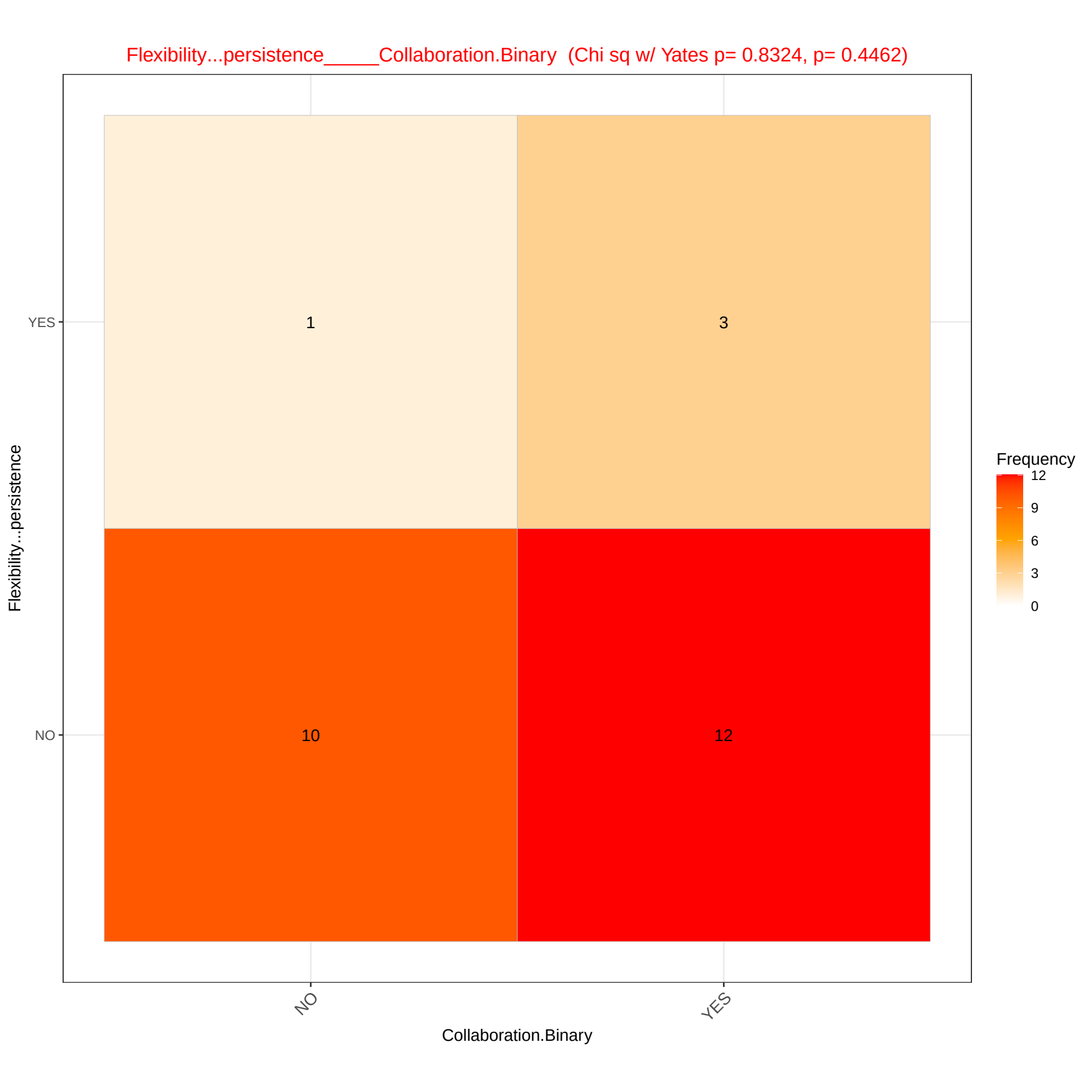

Flexibility...persistence_____Traceability (Chi sq w/ Yates p= 1, p= 0.6959)
YES
NO
3
1
15
3
Flexibility...persistence
NO
YES
Traceability
Frequency
15
10
5
0

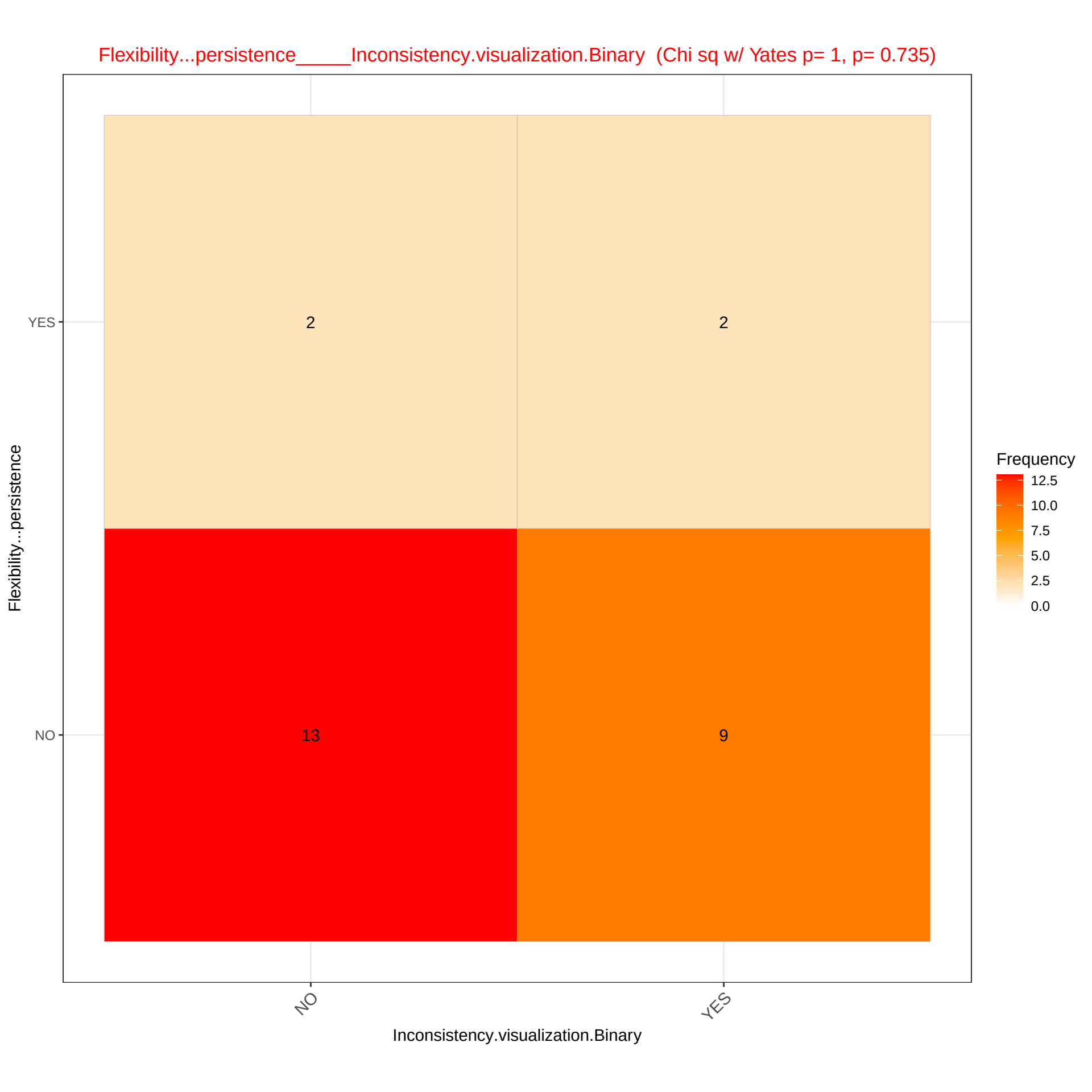

Flexibility...persistence_____Inconsistency.visualization (Chi sq w/ Yates p= 0.5593, p= 0.5593)
YES
NO
0
2
2
3
6
13
Flexibility...persistence
EXTERNAL
INTERNAL
NO
Inconsistency.visualization
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

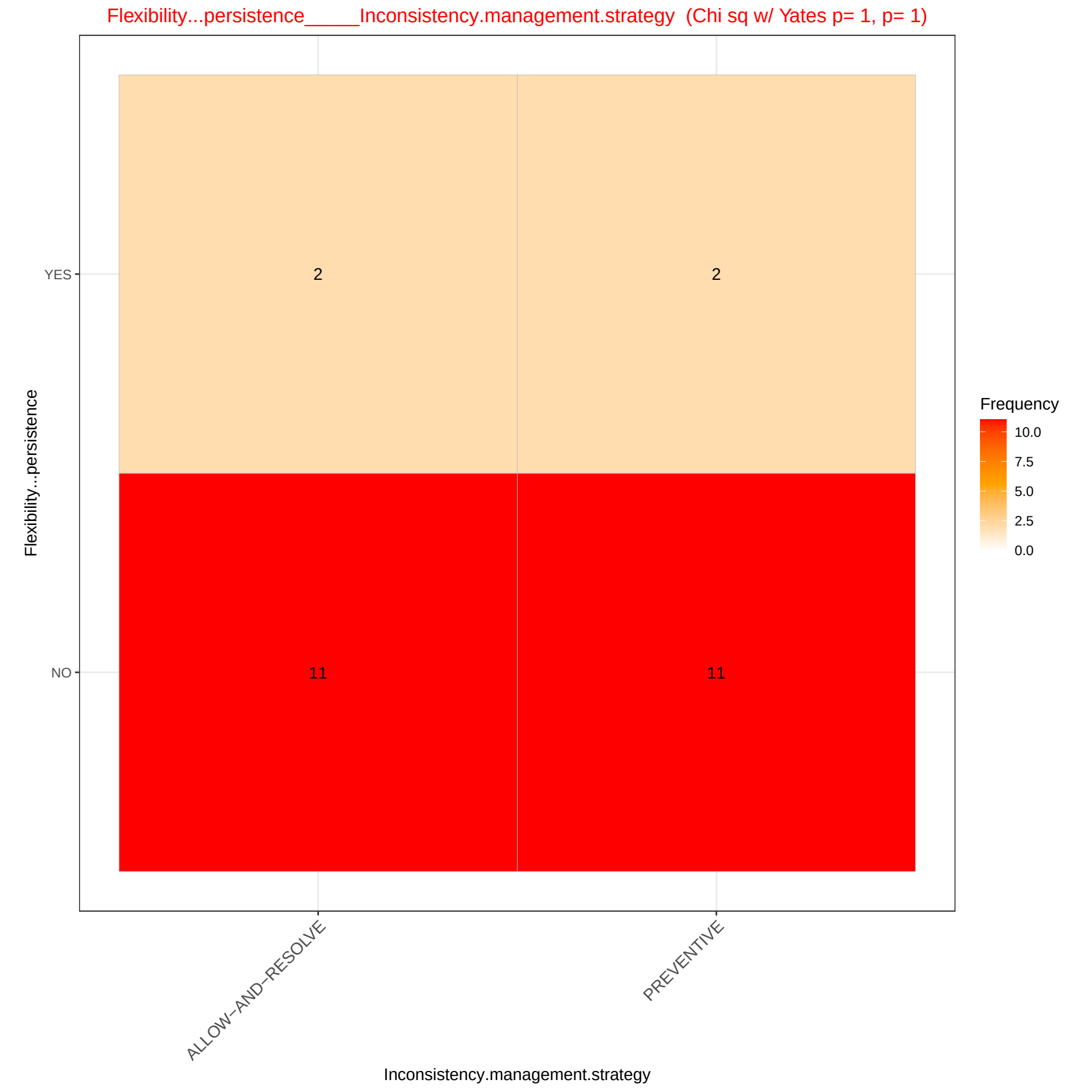

Flexibility...persistence_____Inconsistency.management.type (Chi sq w/ Yates p= 0.8066, p= 0.8066)
YES
NO
0
2
2
2
9
11
Flexibility...persistence
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type
Frequency
10.0
7.5
5.0
2.5
0.0

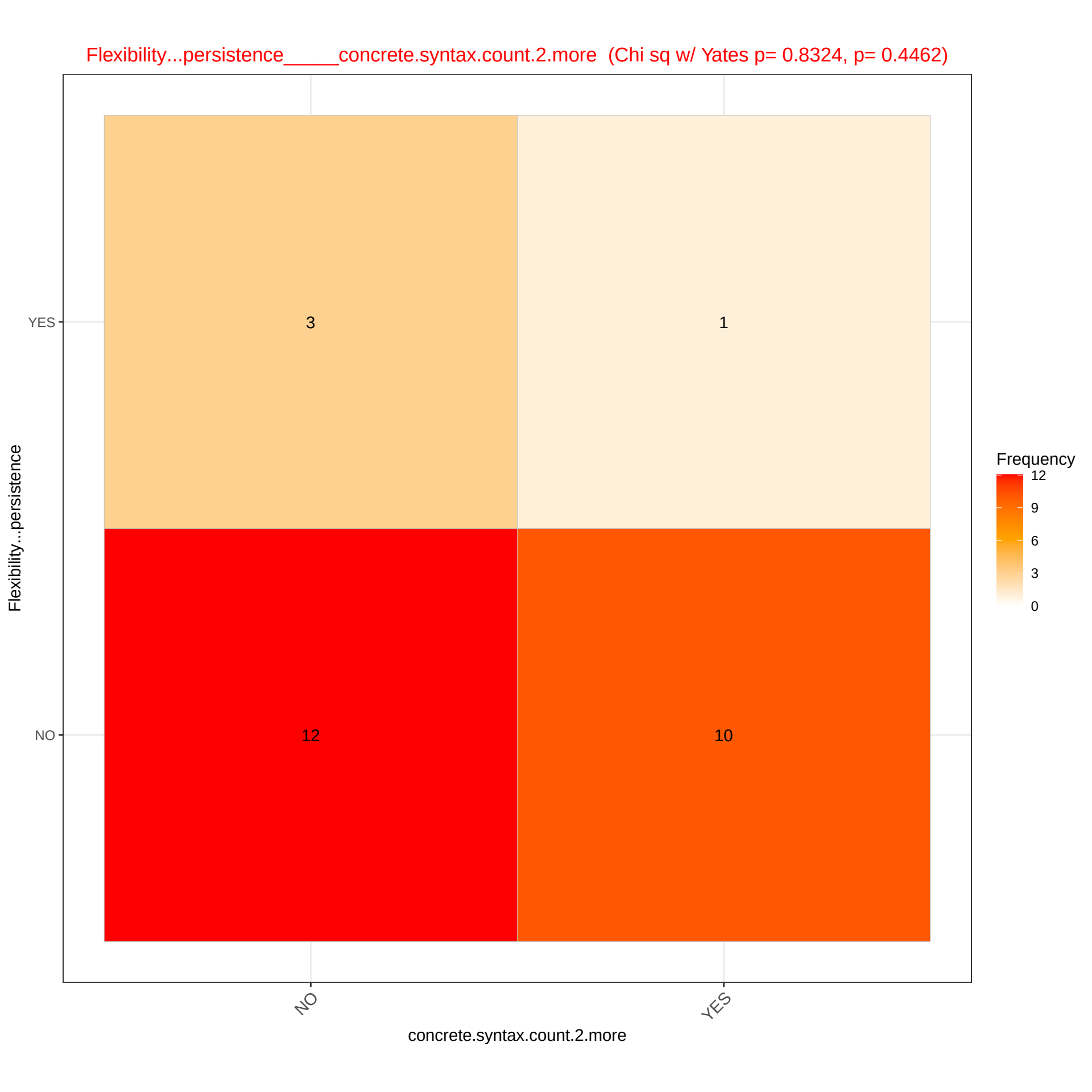

Flexibility...persistence_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.337, p= 0.337)
YES
NO
1
2
1
1
11
10
Flexibility...persistence
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
10.0
7.5
5.0
2.5
0.0

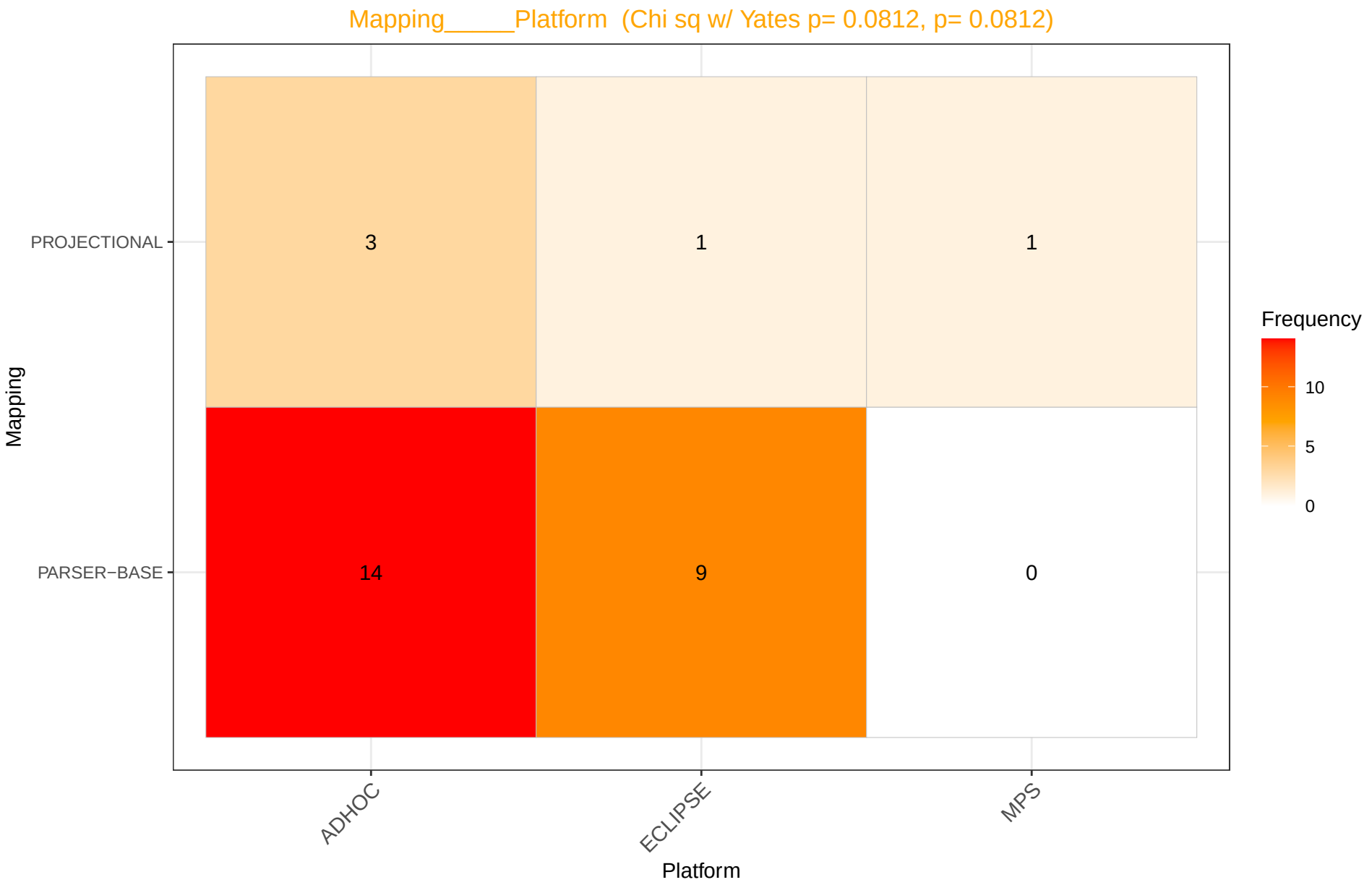

Flexibility...persistence_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.6923, p= 0.6923)
YES
NO
3
1
0
12
8
2
Flexibility...persistence
2
3
4
Concrete.syntax.types.count
Frequency
12
9
6
3
0

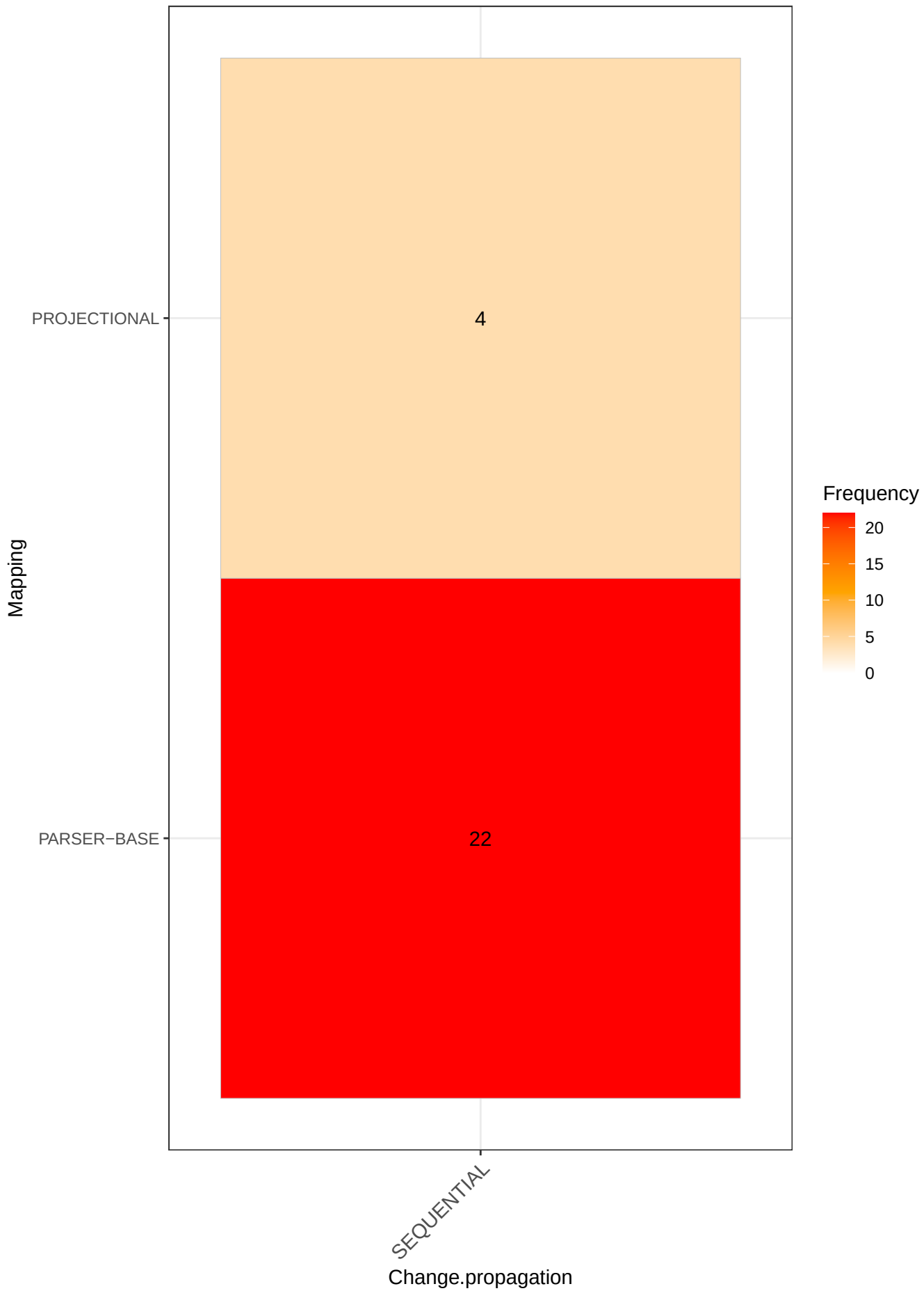

Flexibility...persistence_____Collaboration.Binary (Chi sq w/ Yates p= 0.8324, p= 0.4462)
YES
NO
1
3
10
12
Flexibility...persistence
NO
YES
Collaboration.Binary
Frequency
12
9
6
3
0

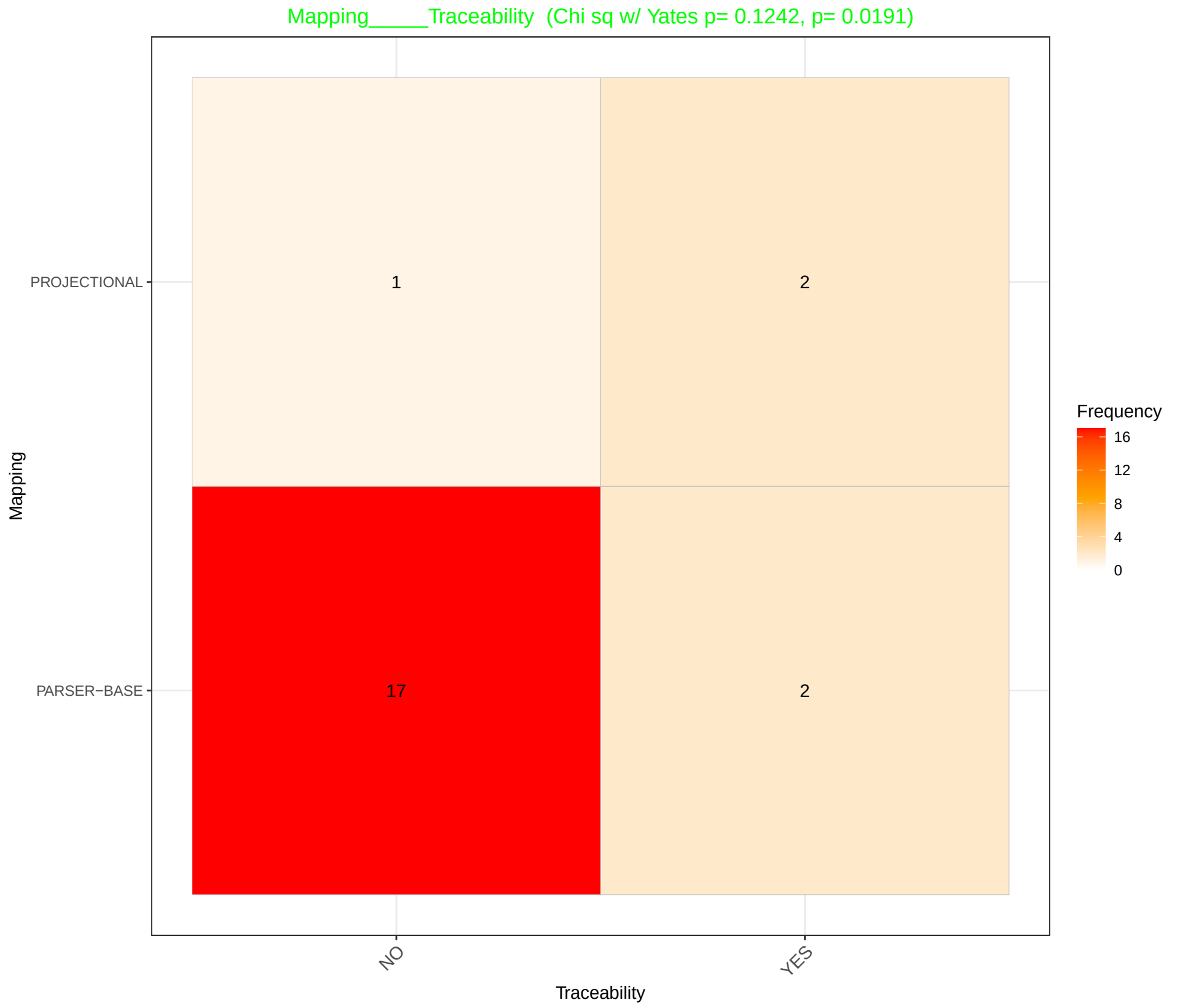

Flexibility...persistence_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 1, p= 0.735)
YES
NO
2
2
13
9
Flexibility...persistence
NO
YES
Inconsistency.visualization.Binary
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

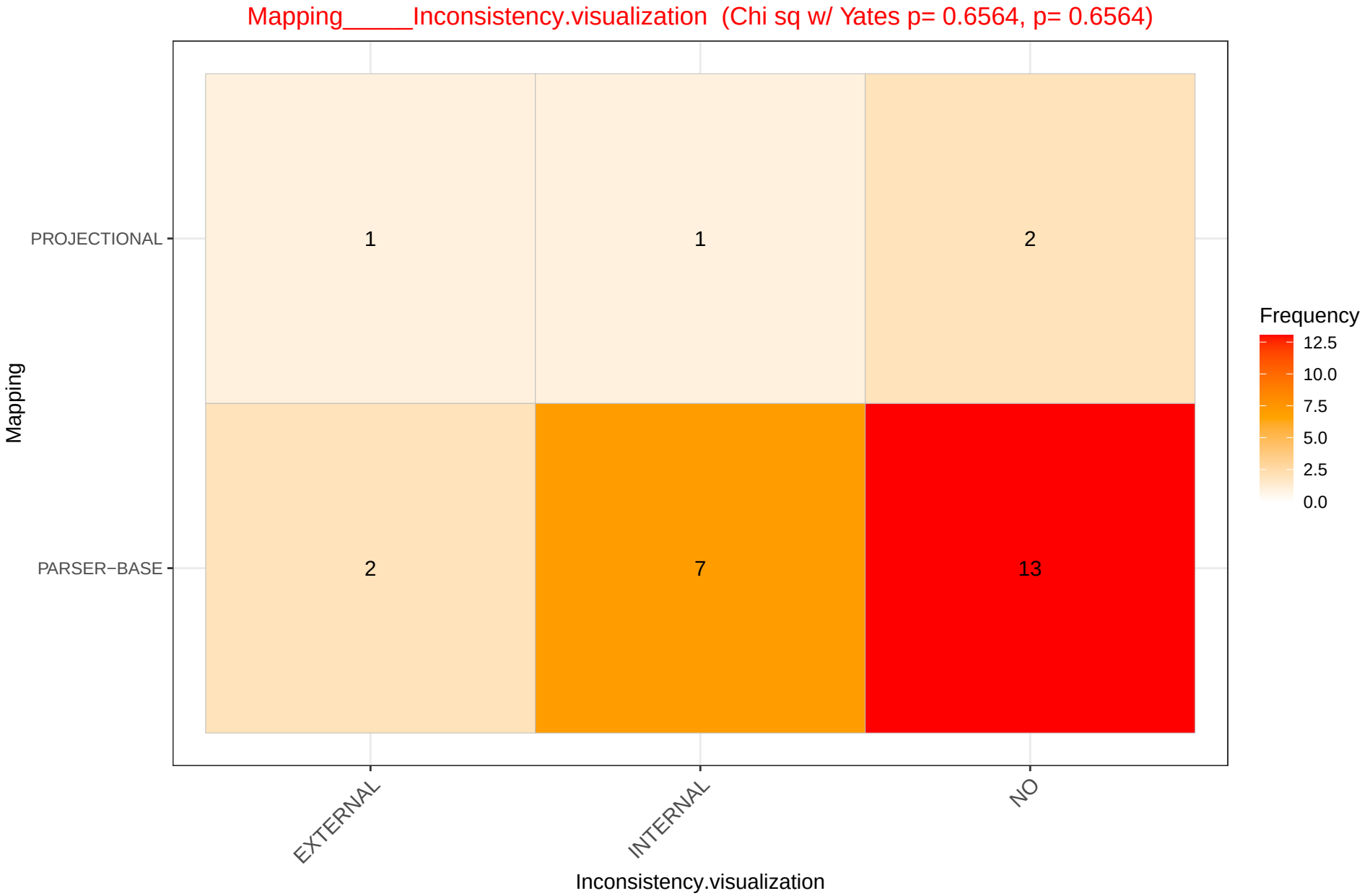

Flexibility...persistence_____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 1)
YES
NO
2
2
11
11
Flexibility...persistence
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy
Frequency
10.0
7.5
5.0
2.5
0.0

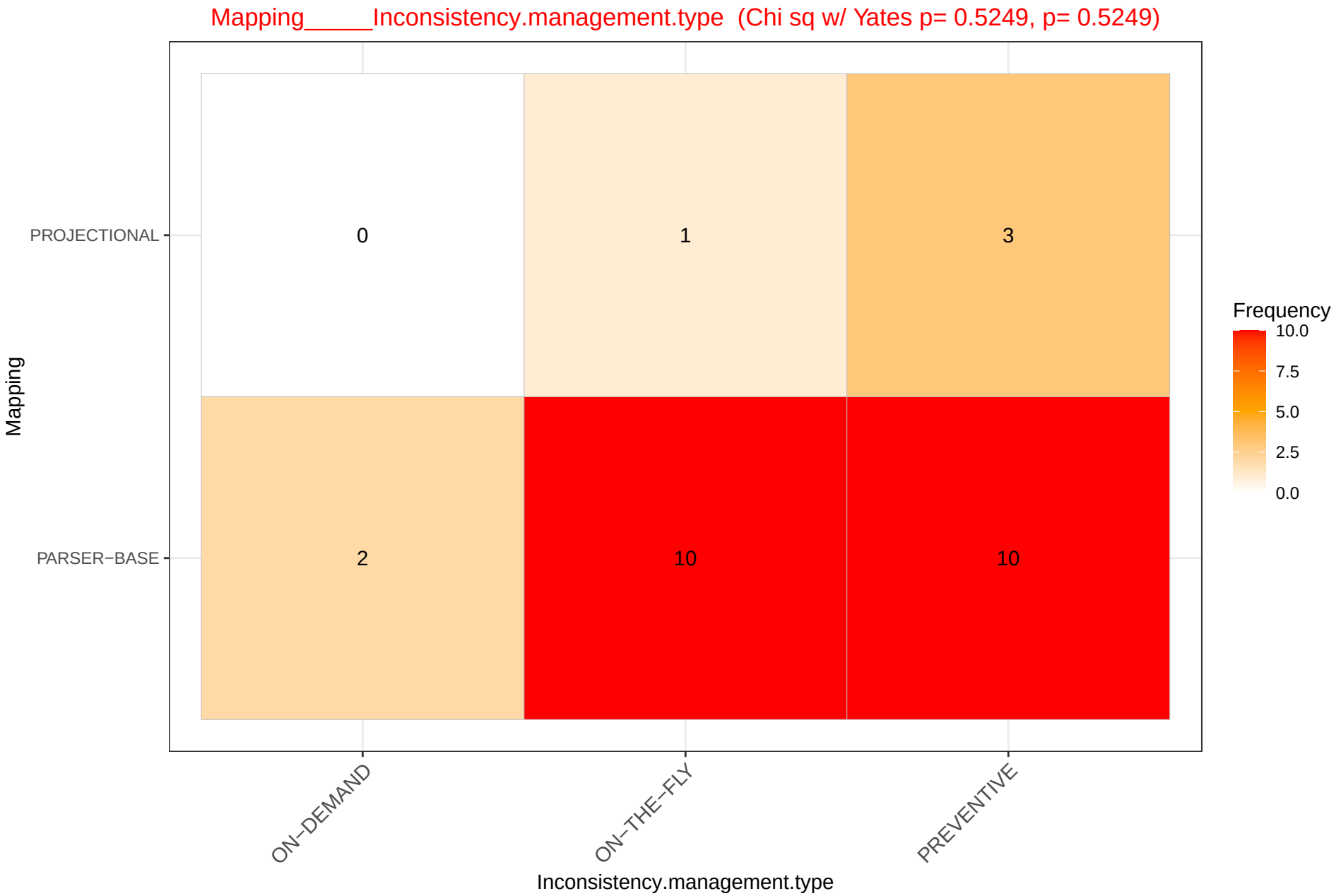

Flexibility...persistence_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.8324, p= 0.4462)
YES
NO
3
1
12
10
Flexibility...persistence
NO
YES
concrete.syntax.count.2.more
Frequency
12
9
6
3
0

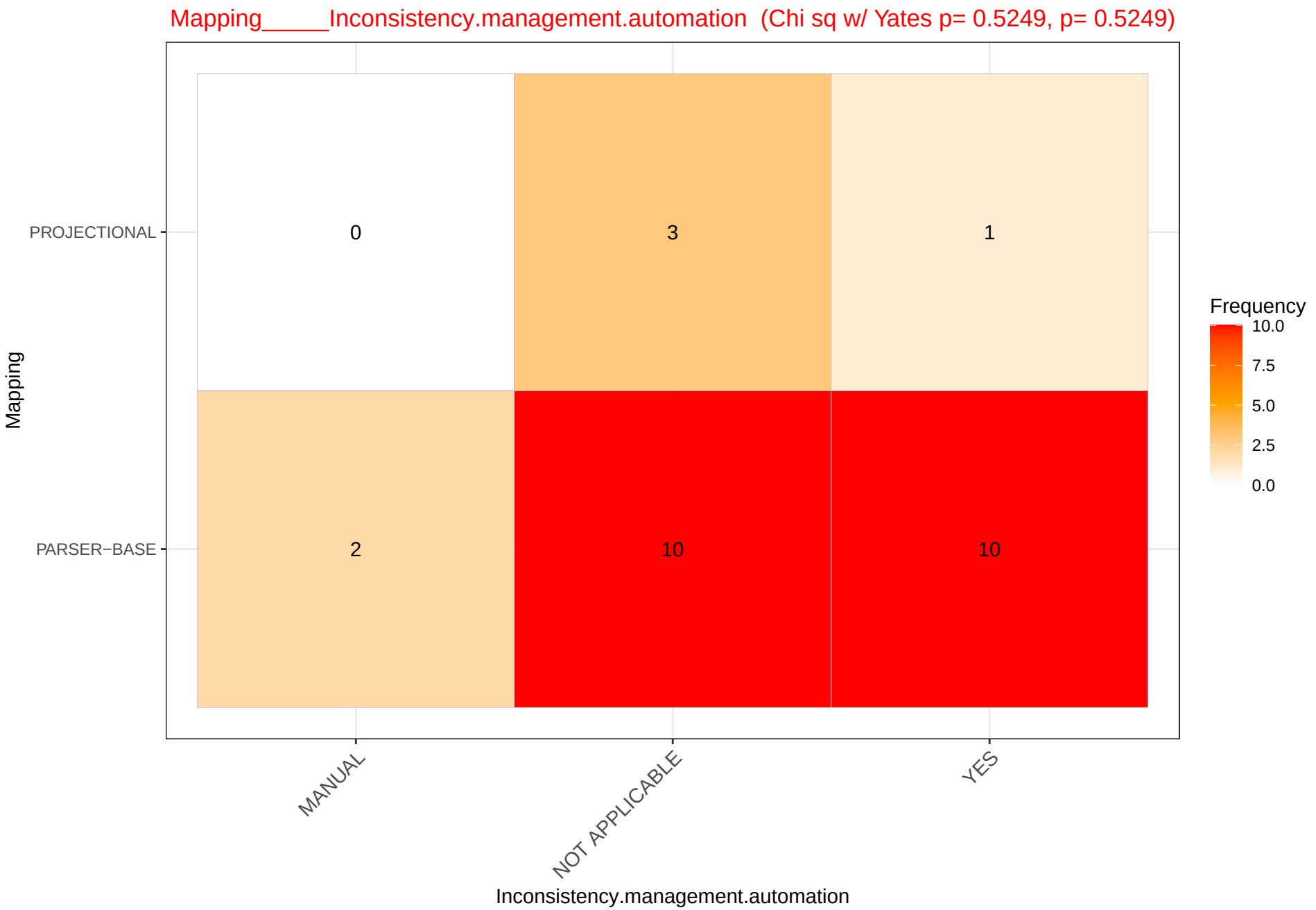

Mapping_____Platform (Chi sq w/ Yates p= 0.0812, p= 0.0812)
PROJECTIONAL
PARSER−BASE
Mapping
3
1
1
14
9
0
ADHOC
ECLIPSE
MPS
Platform
Frequency
10
5
0

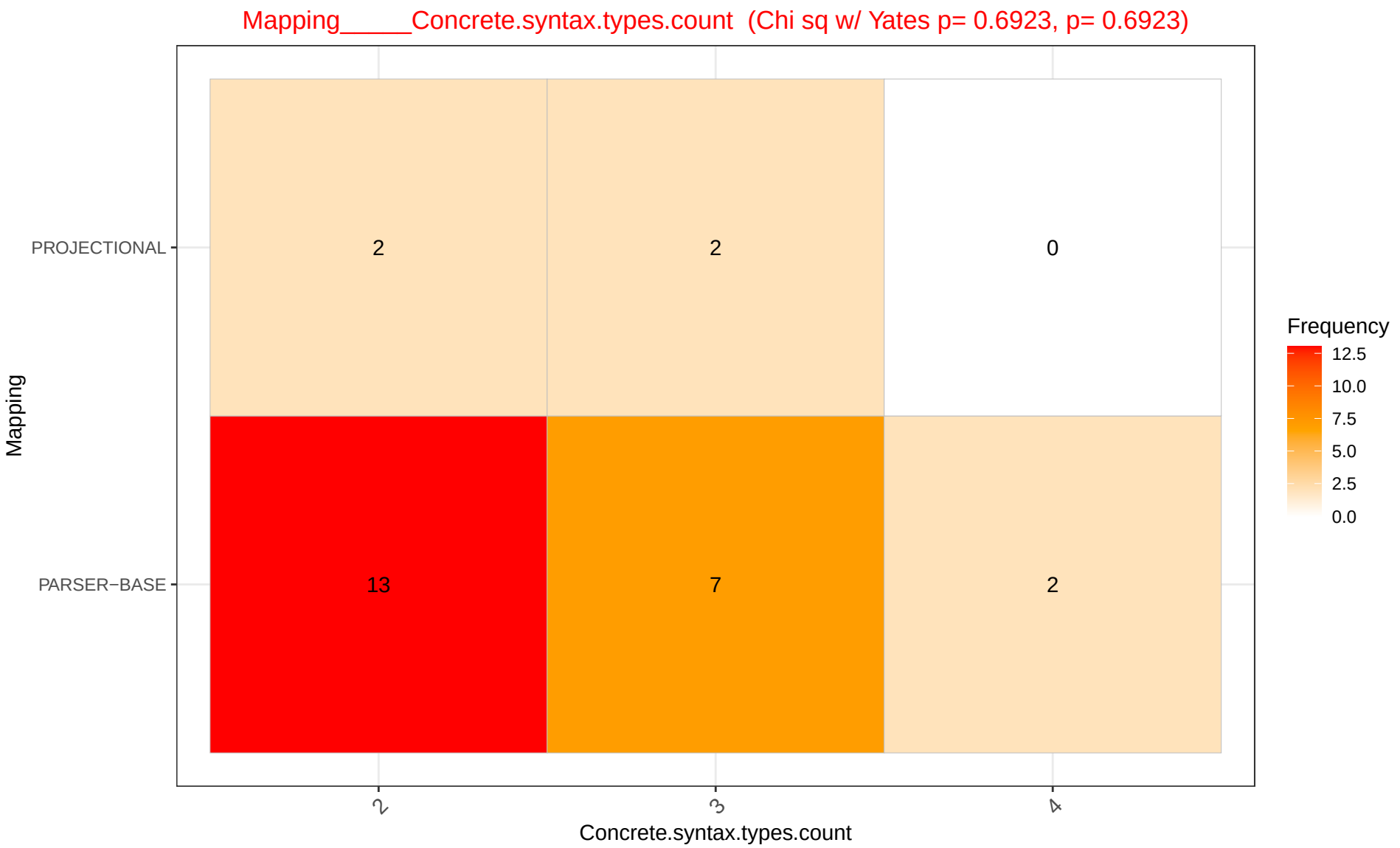

Mapping_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)
PROJECTIONAL
PARSER−BASE
4
22
Mapping
SEQUENTIAL
Change.propagation
Frequency
20
15
10
5
0

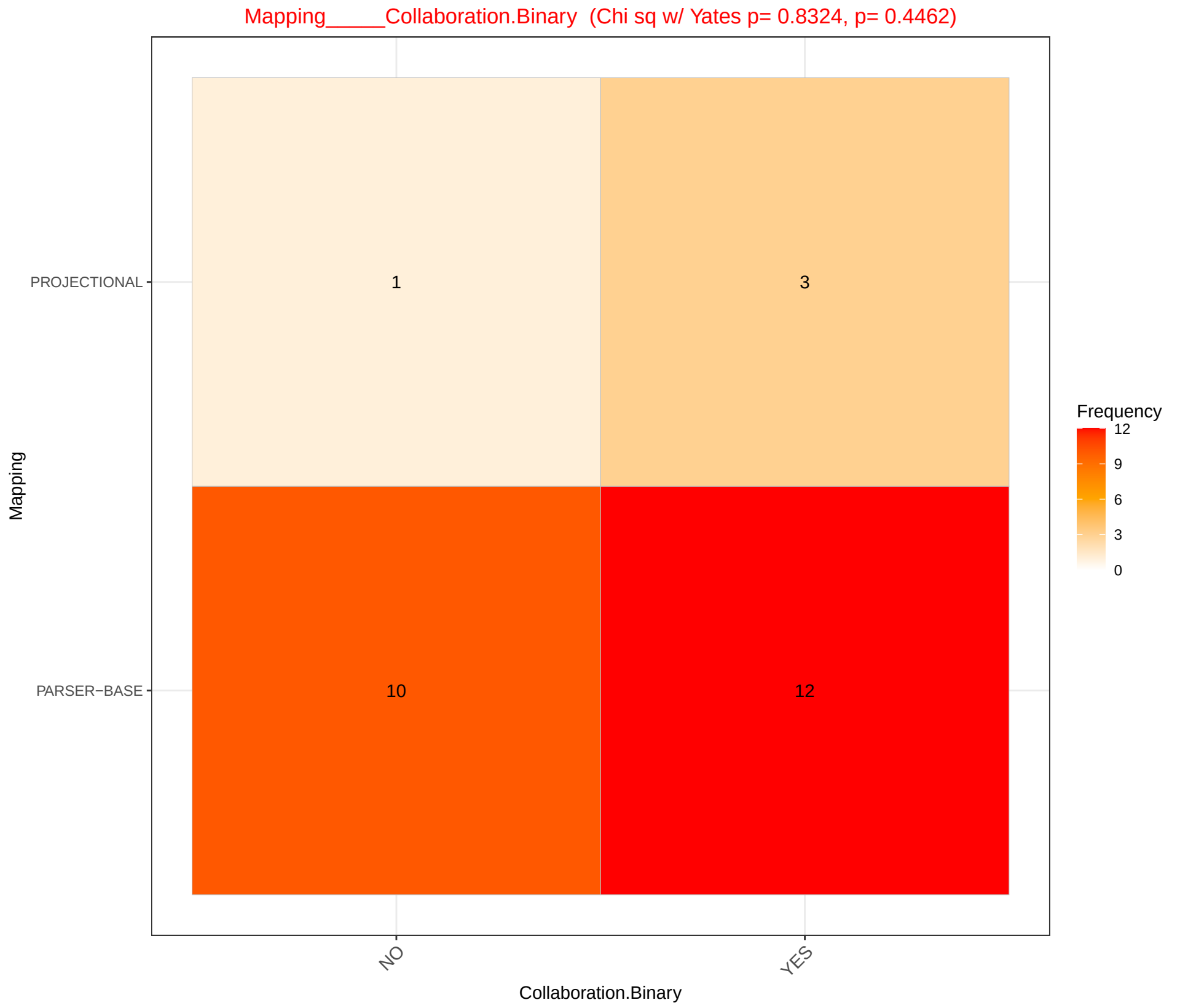

Mapping_____Traceability (Chi sq w/ Yates p= 0.1242, p= 0.0191)
PROJECTIONAL
PARSER−BASE
Mapping
1
2
17
2
NO
YES
Traceability
Frequency
16
12
8
4
0

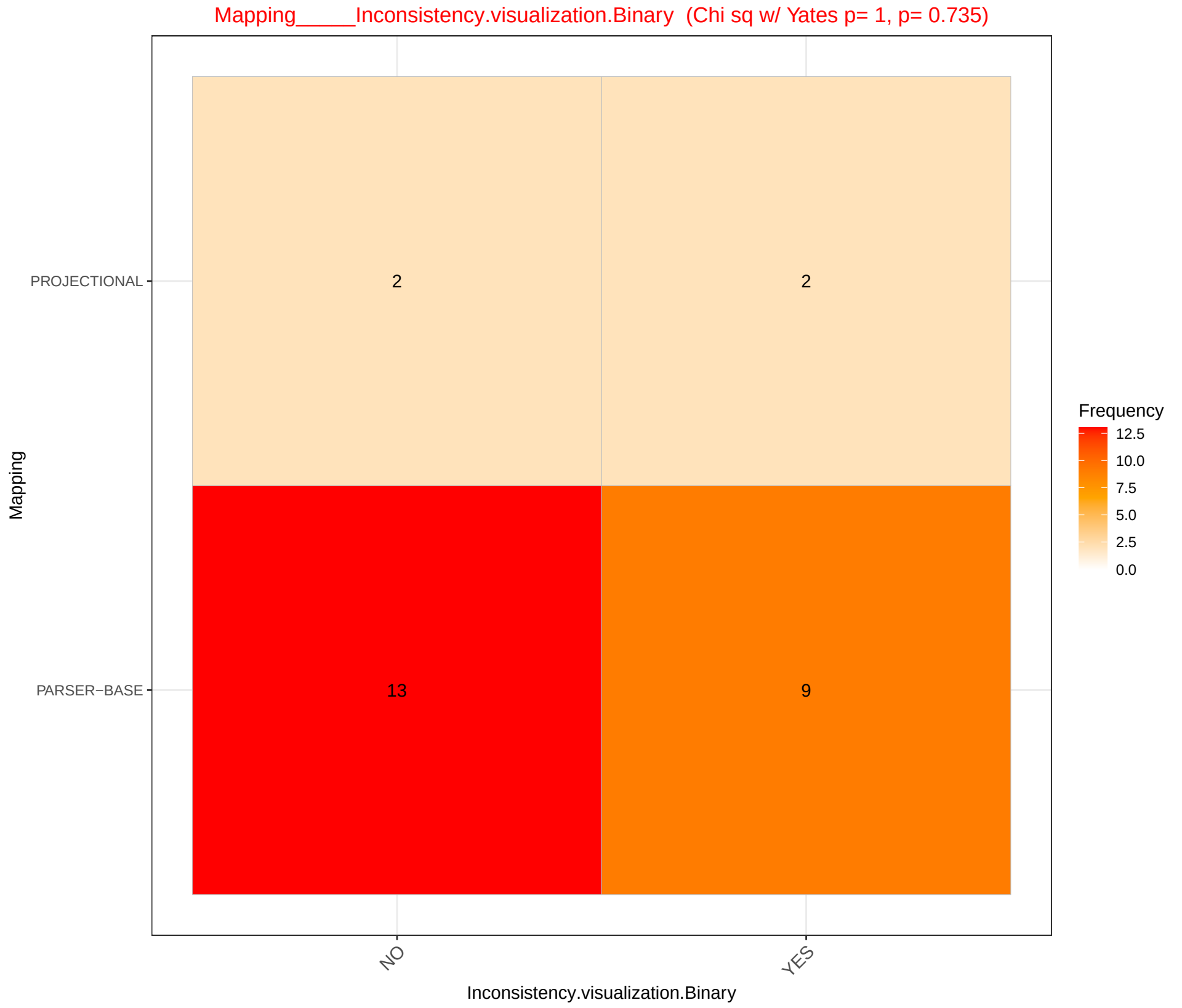

Mapping_____Inconsistency.visualization (Chi sq w/ Yates p= 0.6564, p= 0.6564)
PROJECTIONAL
PARSER−BASE
Mapping
1
1
2
2
7
13
EXTERNAL
INTERNAL
NO
Inconsistency.visualization
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

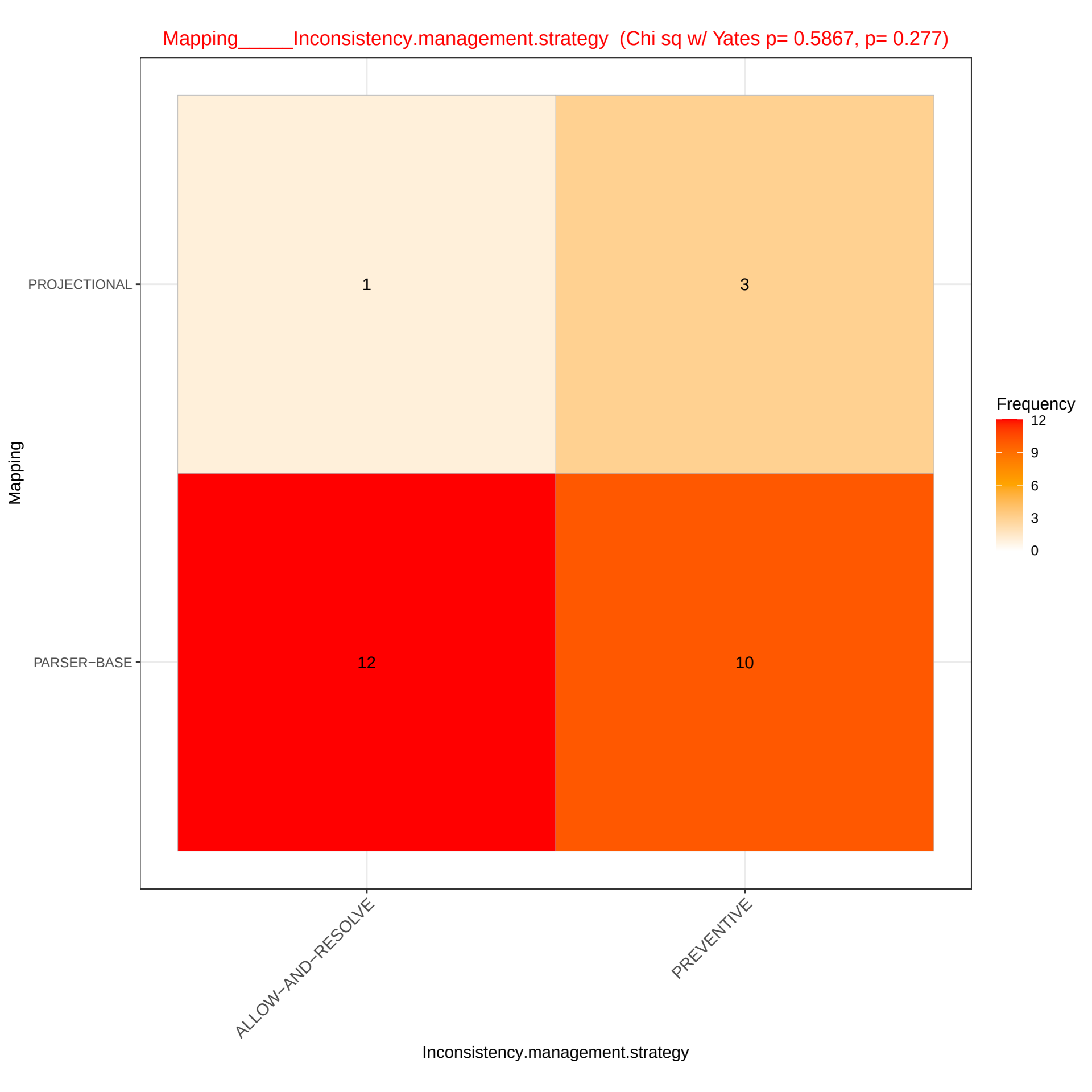

Mapping_____Inconsistency.management.type (Chi sq w/ Yates p= 0.5249, p= 0.5249)
PROJECTIONAL
PARSER−BASE
Mapping
0
1
3
2
10
10
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type
Frequency
10.0
7.5
5.0
2.5
0.0

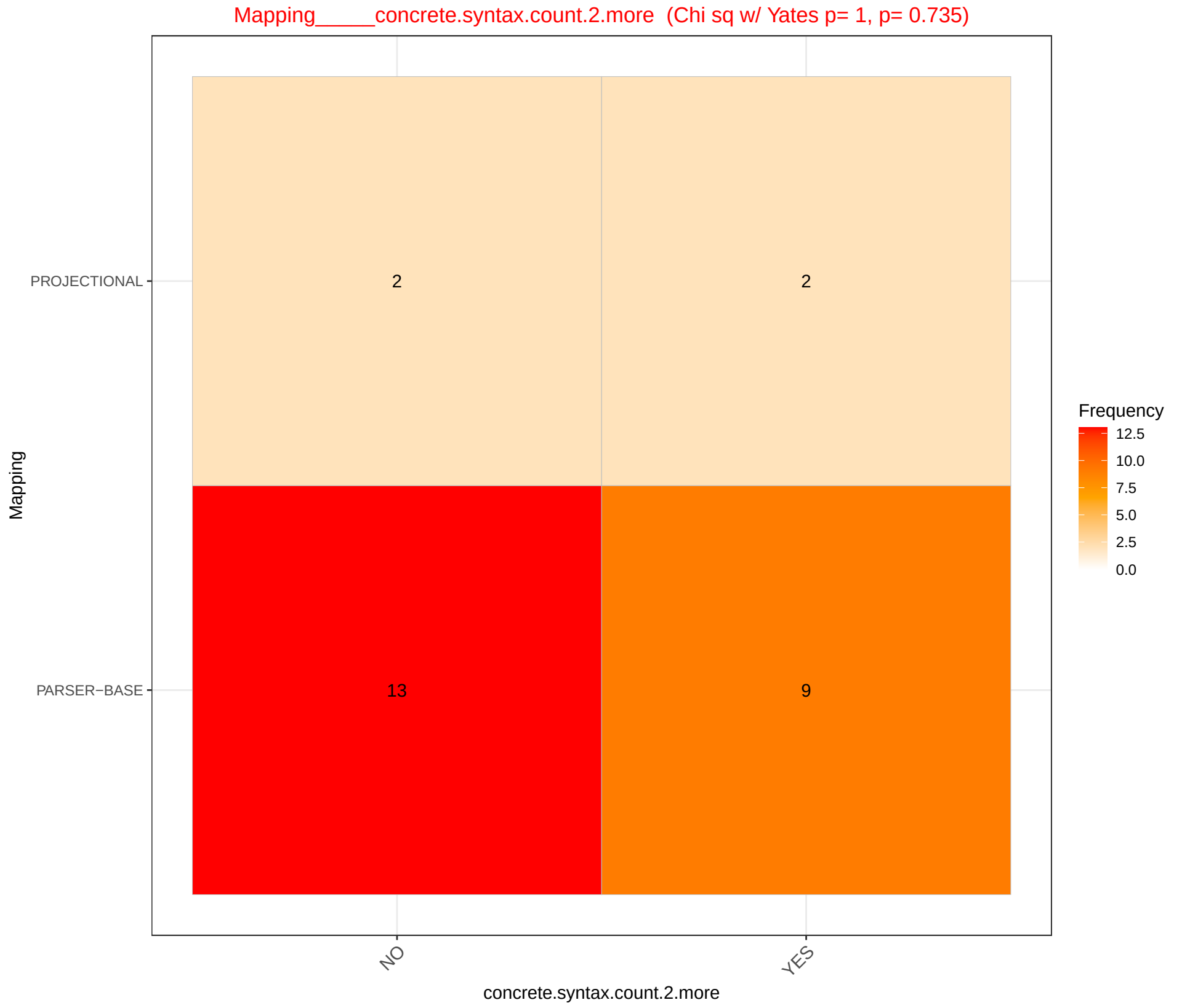

Mapping_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.5249, p= 0.5249)
PROJECTIONAL
PARSER−BASE
Mapping
0
3
1
2
10
10
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
10.0
7.5
5.0
2.5
0.0

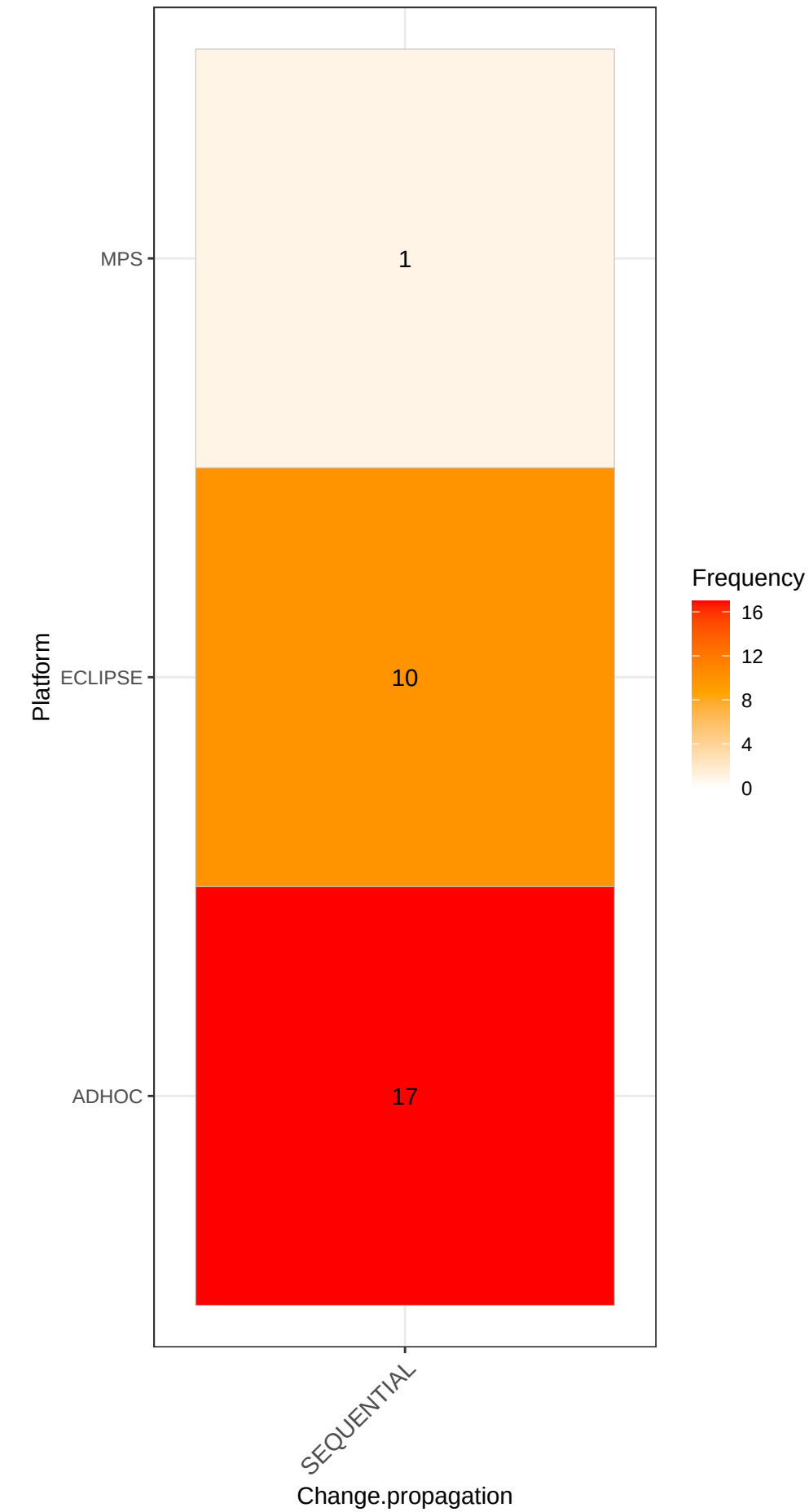

Mapping_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.6923, p= 0.6923)
PROJECTIONAL
PARSER−BASE
Mapping
2
2
0
13
7
2
2
3
4
Concrete.syntax.types.count
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

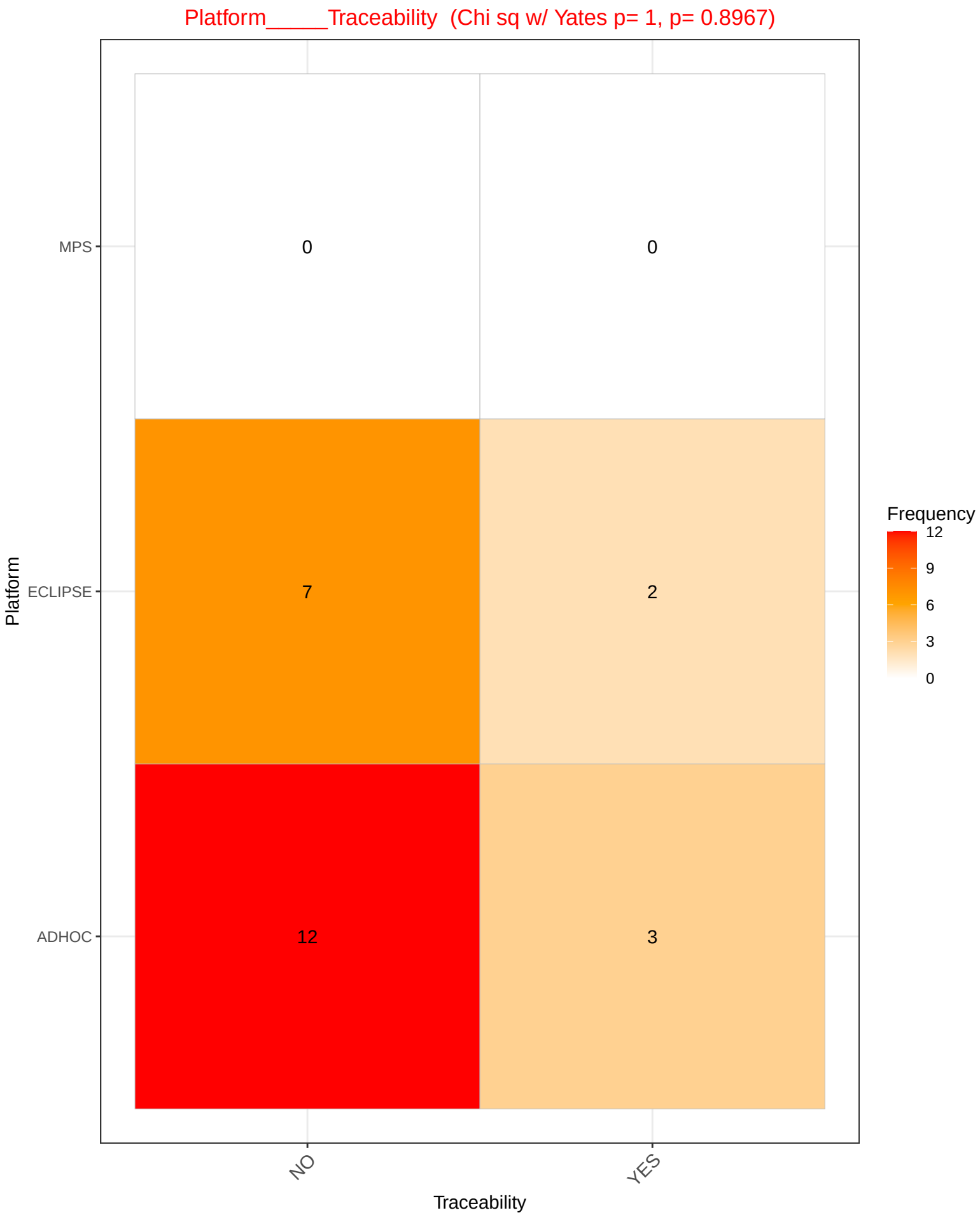

Mapping_____Collaboration.Binary (Chi sq w/ Yates p= 0.8324, p= 0.4462)
PROJECTIONAL
PARSER−BASE
Mapping
1
3
10
12
NO
YES
Collaboration.Binary
Frequency
12
9
6
3
0

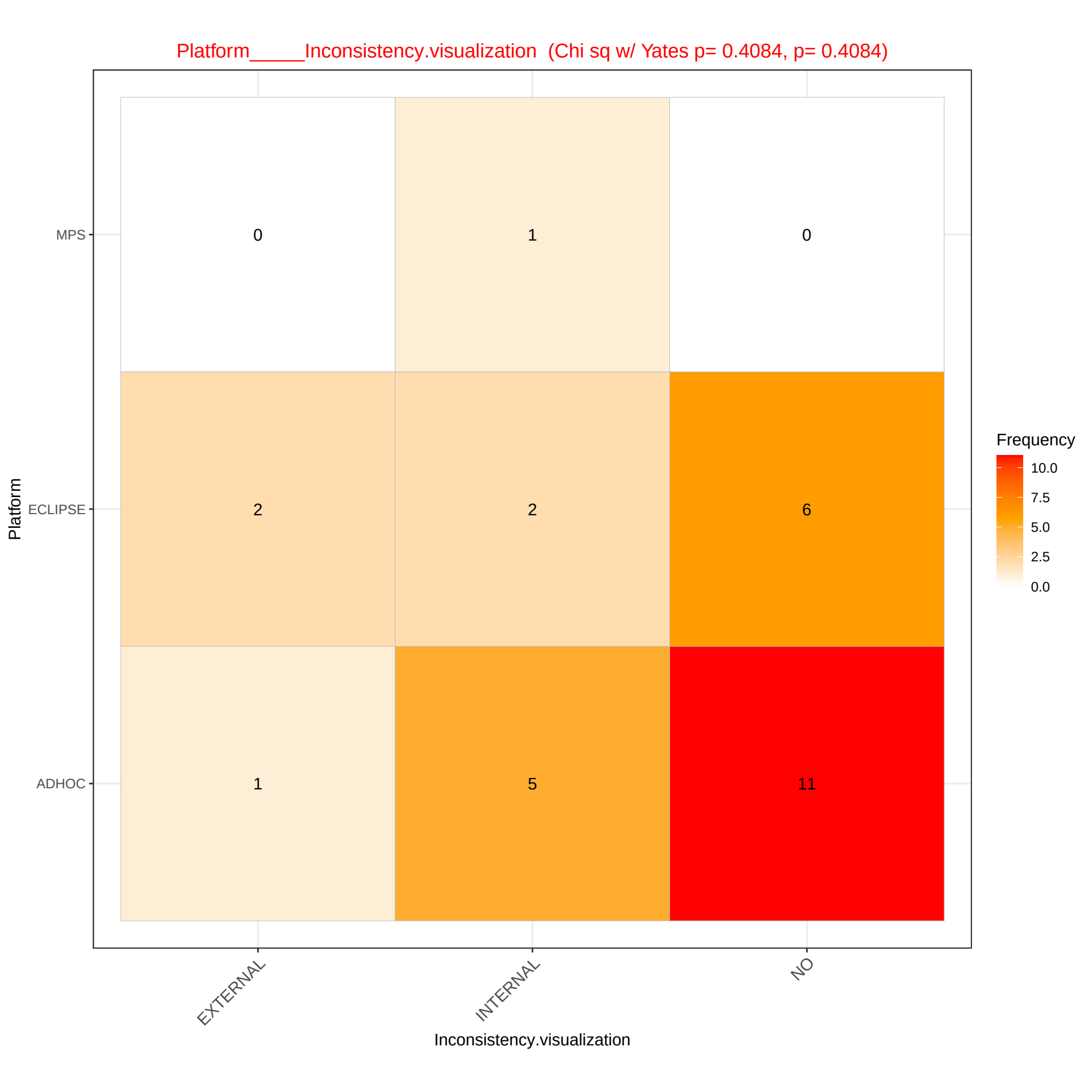

Mapping_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 1, p= 0.735)
PROJECTIONAL
PARSER−BASE
Mapping
2
2
13
9
NO
YES
Inconsistency.visualization.Binary
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

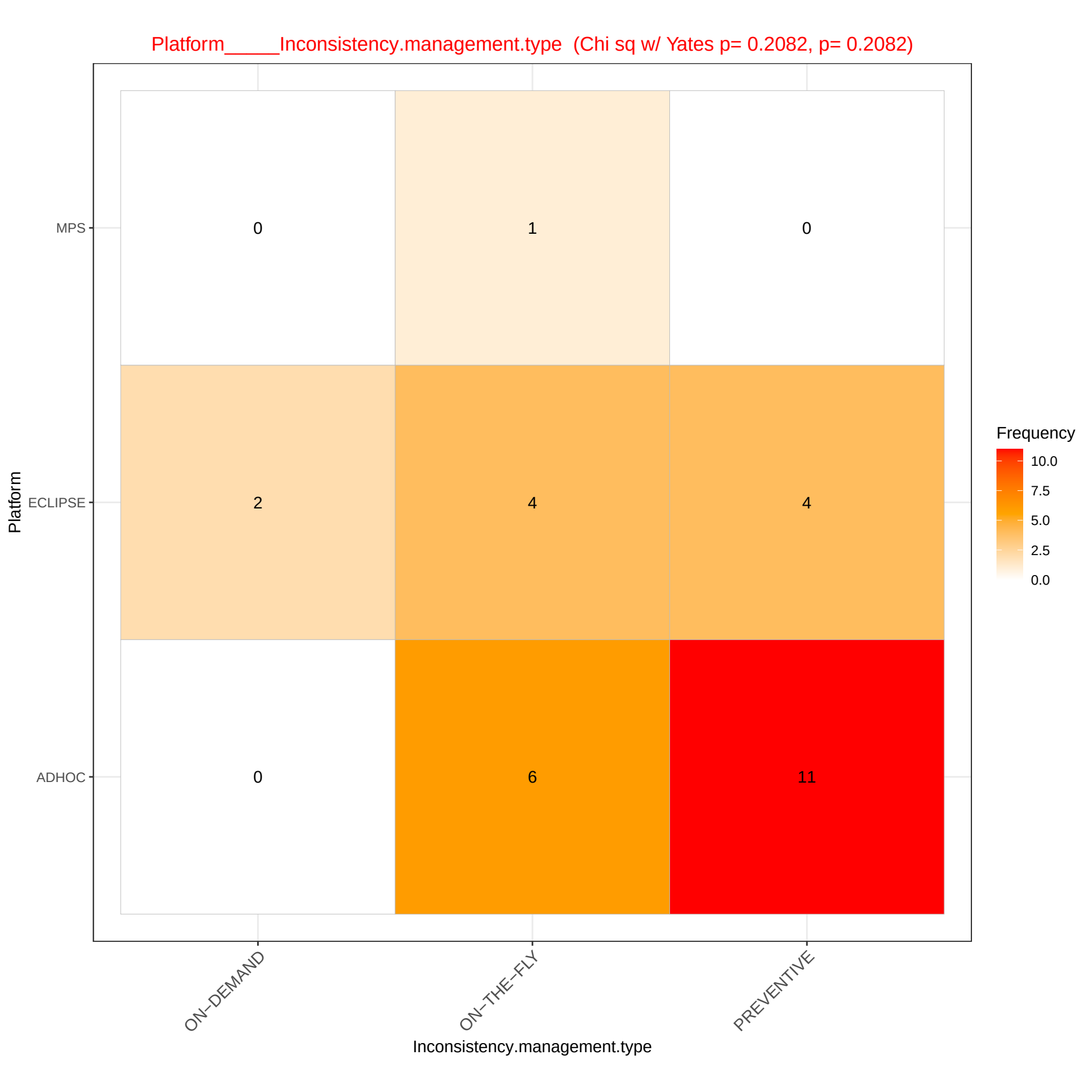

Mapping_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.5867, p= 0.277)
PROJECTIONAL
PARSER−BASE
Mapping
1
3
12
10
Frequency
12
9
6
3
0
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy

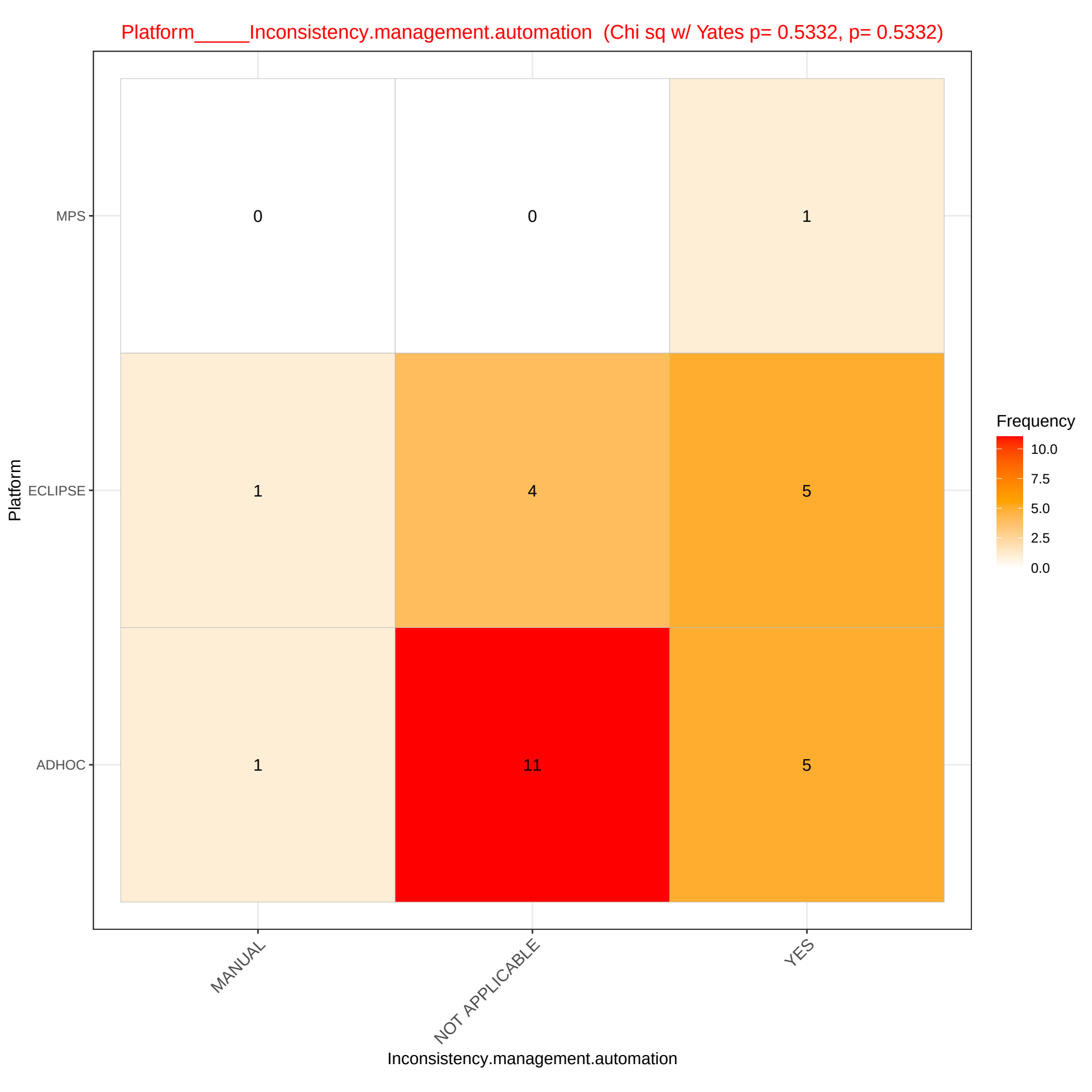

Mapping_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 1, p= 0.735)
PROJECTIONAL
PARSER−BASE
Mapping
2
2
13
9
NO
YES
concrete.syntax.count.2.more
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

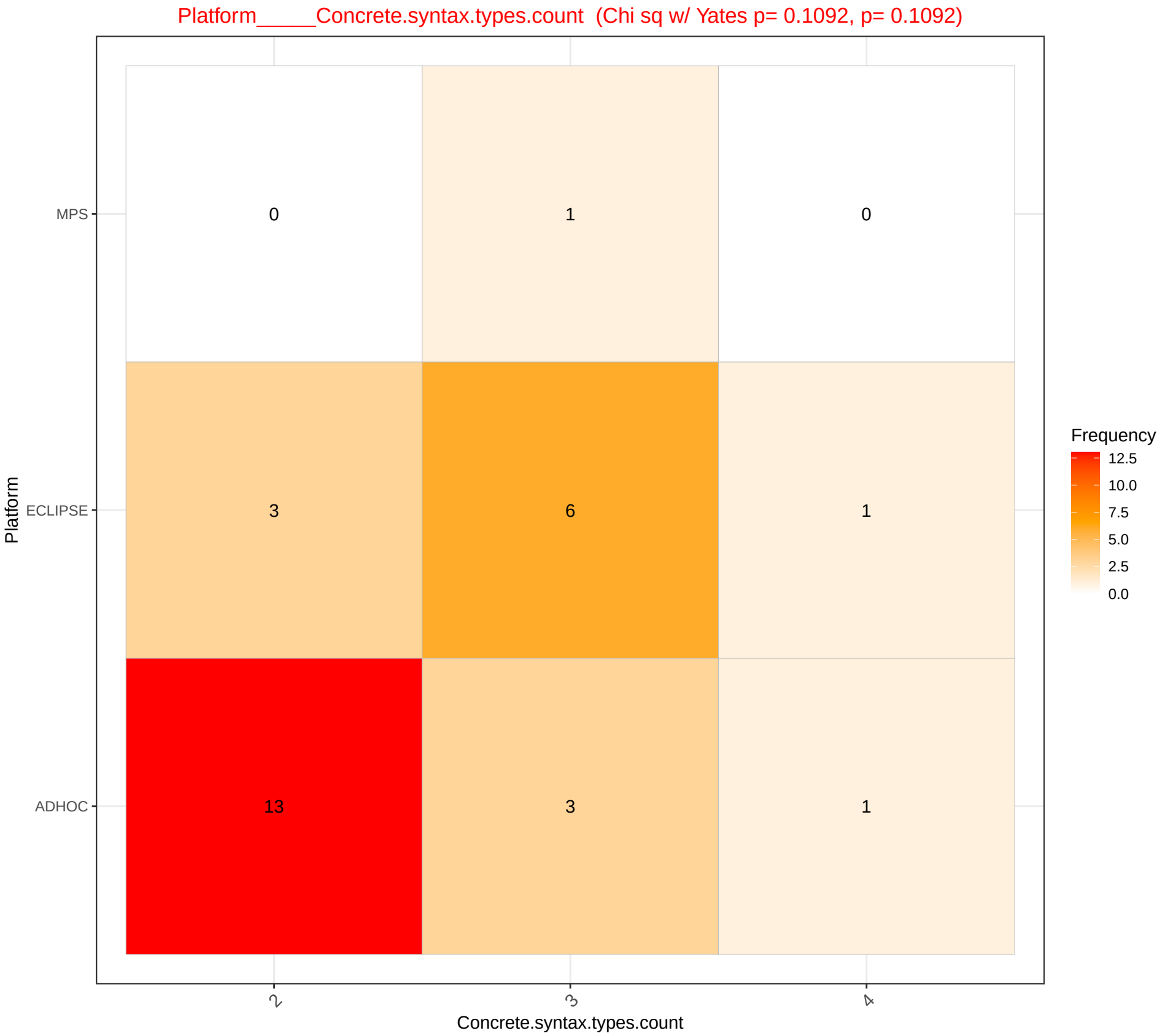

Platform_____Change.propagation (Chi sq w/ Yates p= 1, p= 1)
MPS
ECLIPSE
ADHOC
1
10
17
Platform
SEQUENTIAL
Change.propagation
Frequency
16
12
8
4
0

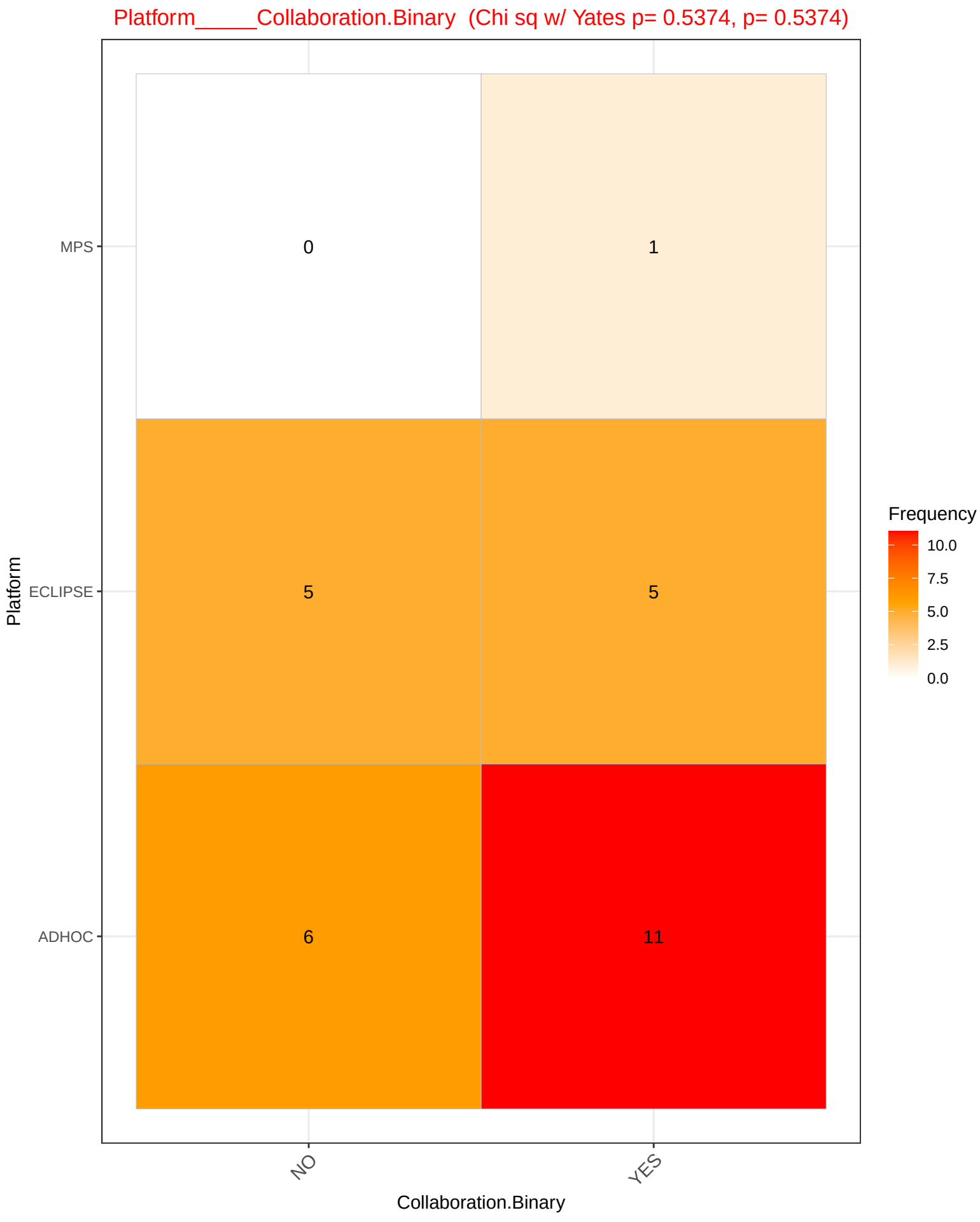

Platform_____Traceability (Chi sq w/ Yates p= 1, p= 0.8967)
MPS
ECLIPSE
ADHOC
Platform
0
0
7
2
12
3
NO
YES
Traceability
Frequency
12
9
6
3
0

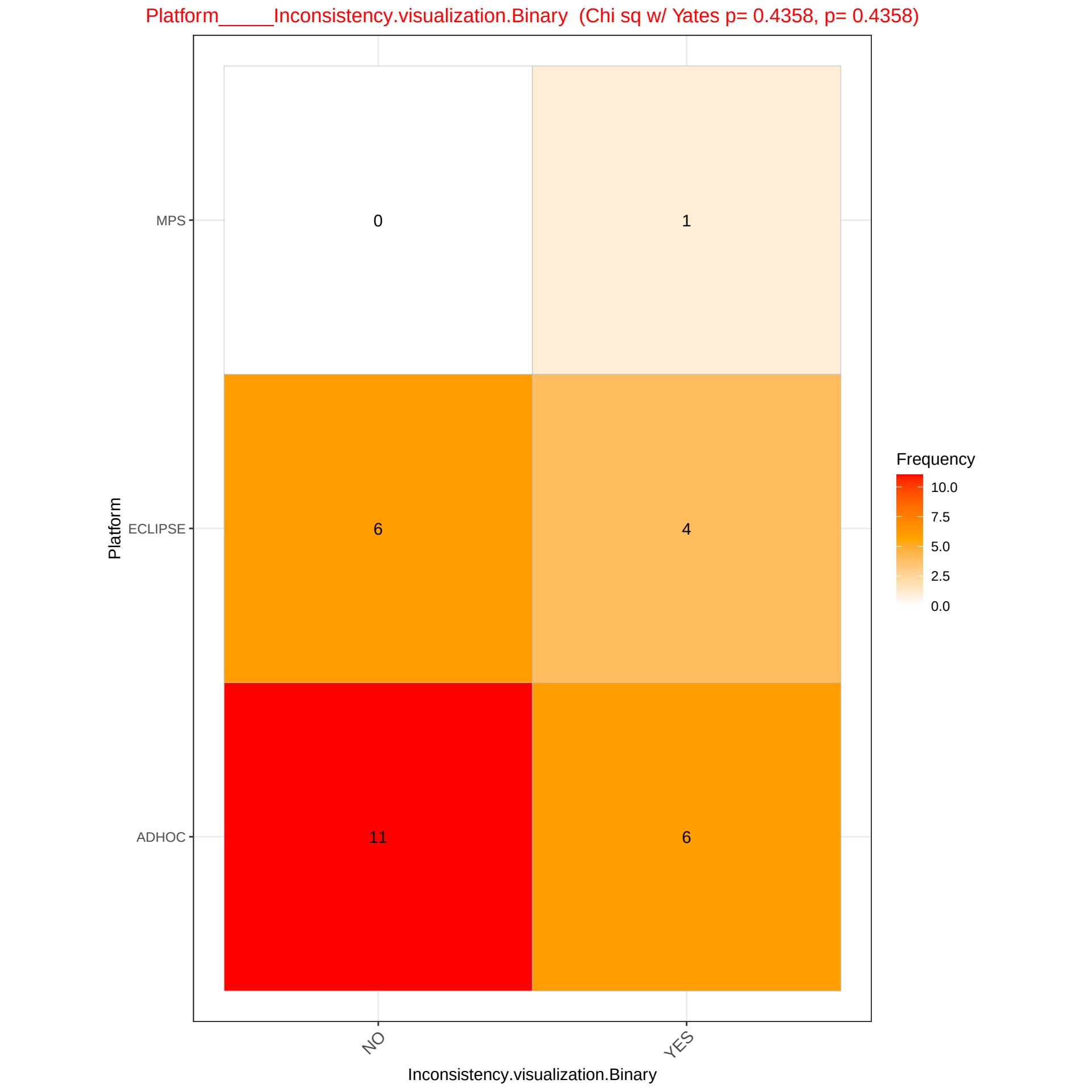

Platform_____Inconsistency.visualization (Chi sq w/ Yates p= 0.4084, p= 0.4084)
MPS
ECLIPSE
ADHOC
0
1
0
2
2
6
1
5
11
Platform
EXTERNAL
INTERNAL
NO
Inconsistency.visualization
Frequency
10.0
7.5
5.0
2.5
0.0

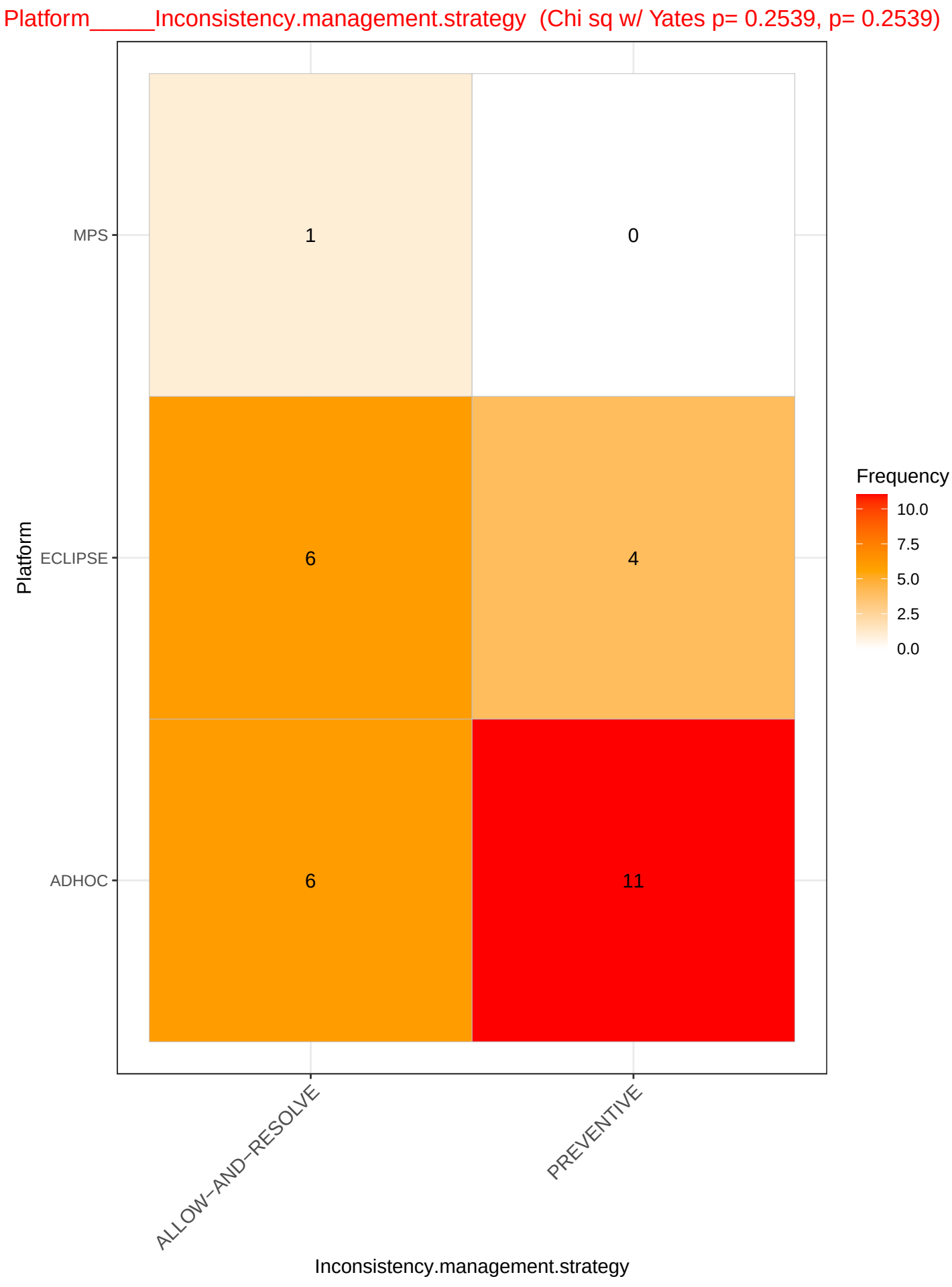

Platform_____Inconsistency.management.type (Chi sq w/ Yates p= 0.2082, p= 0.2082)
MPS
ECLIPSE
ADHOC
Platform
0
1
0
2
4
4
0
6
11
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type
Frequency
10.0
7.5
5.0
2.5
0.0

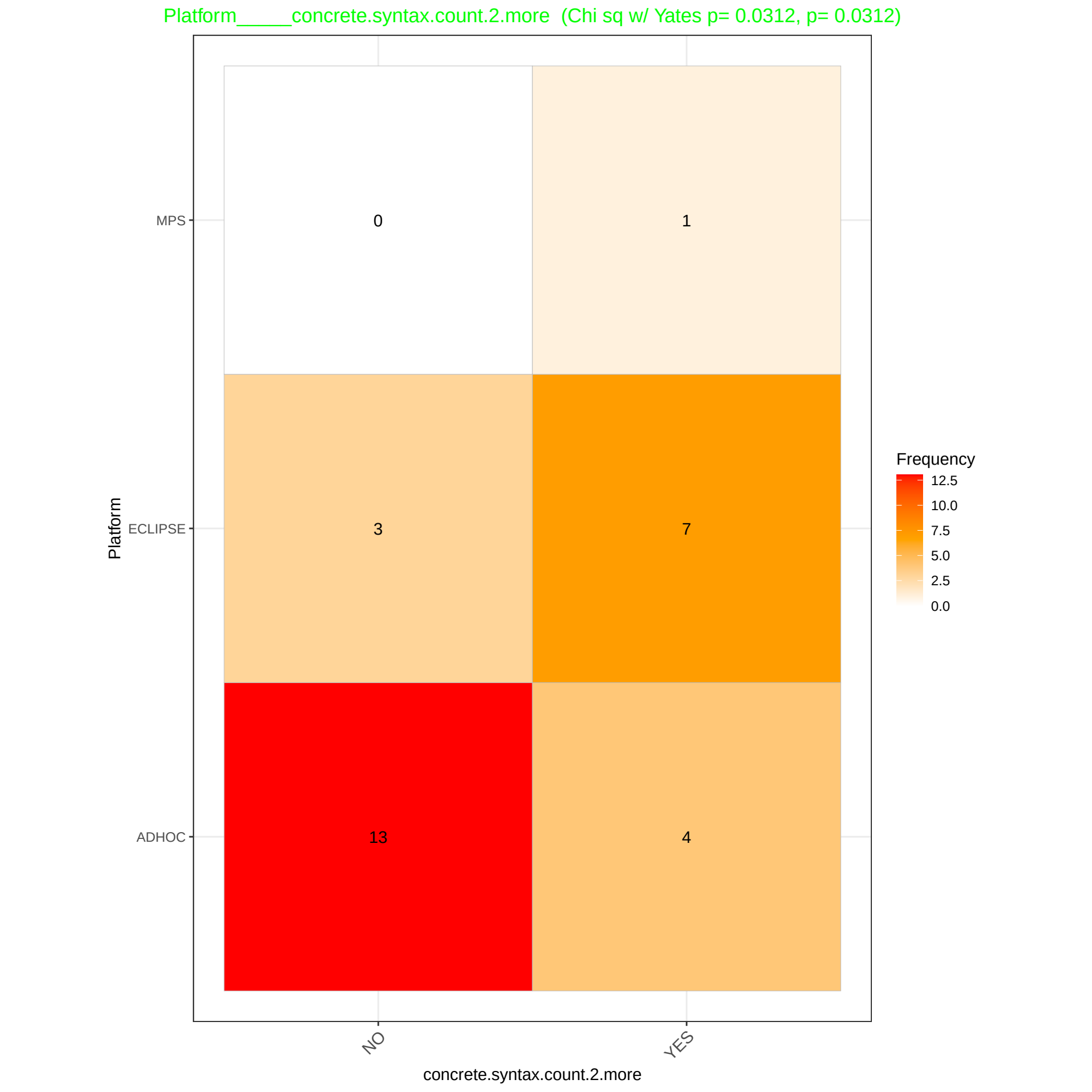

Platform_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.5332, p= 0.5332)
MPS
ECLIPSE
ADHOC
Platform
0
0
1
1
4
5
1
11
5
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
10.0
7.5
5.0
2.5
0.0

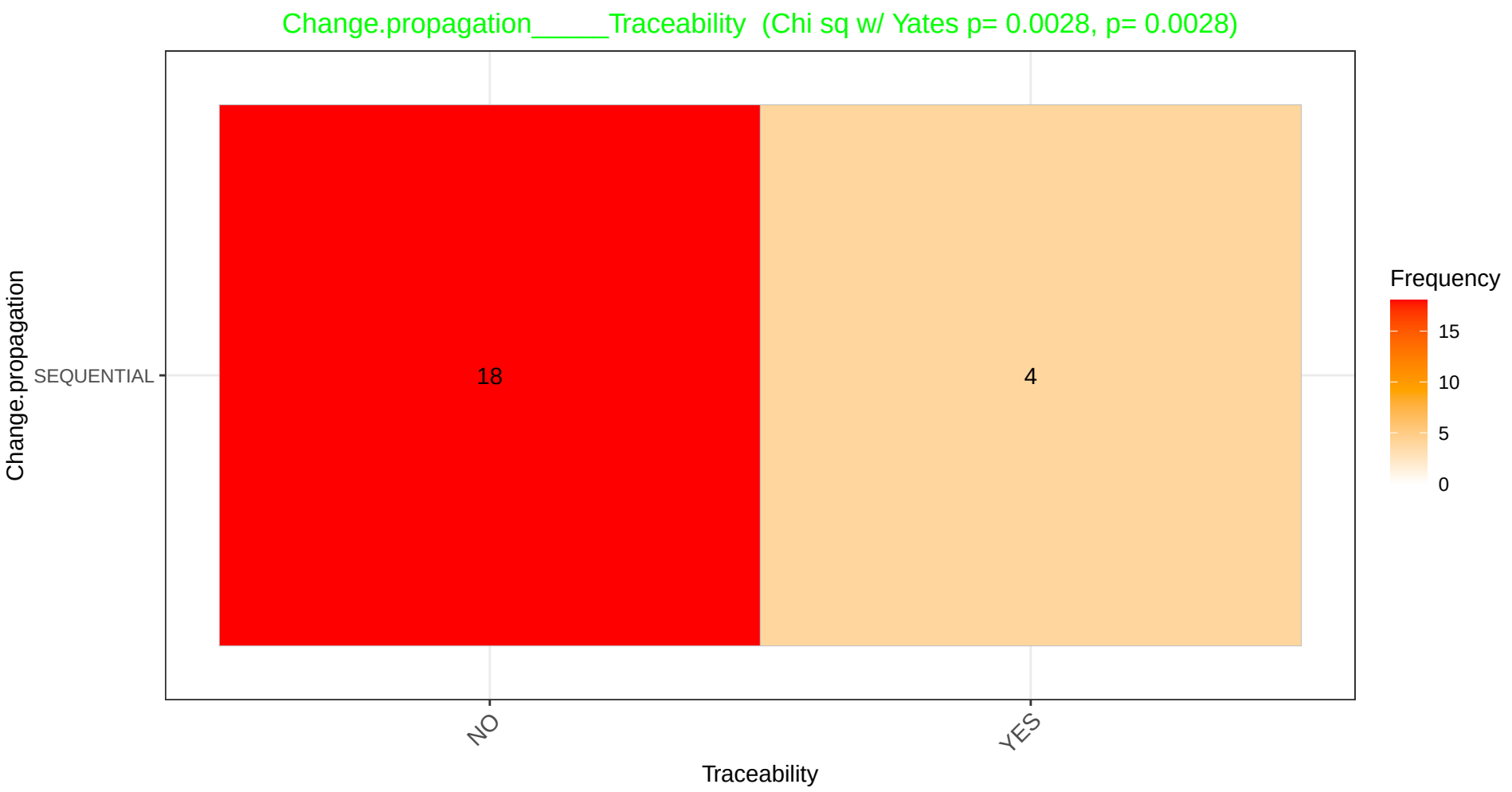

Platform_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.1092, p= 0.1092)
MPS
ECLIPSE
ADHOC
Platform
0
1
0
3
6
1
13
3
1
2
3
4
Concrete.syntax.types.count
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

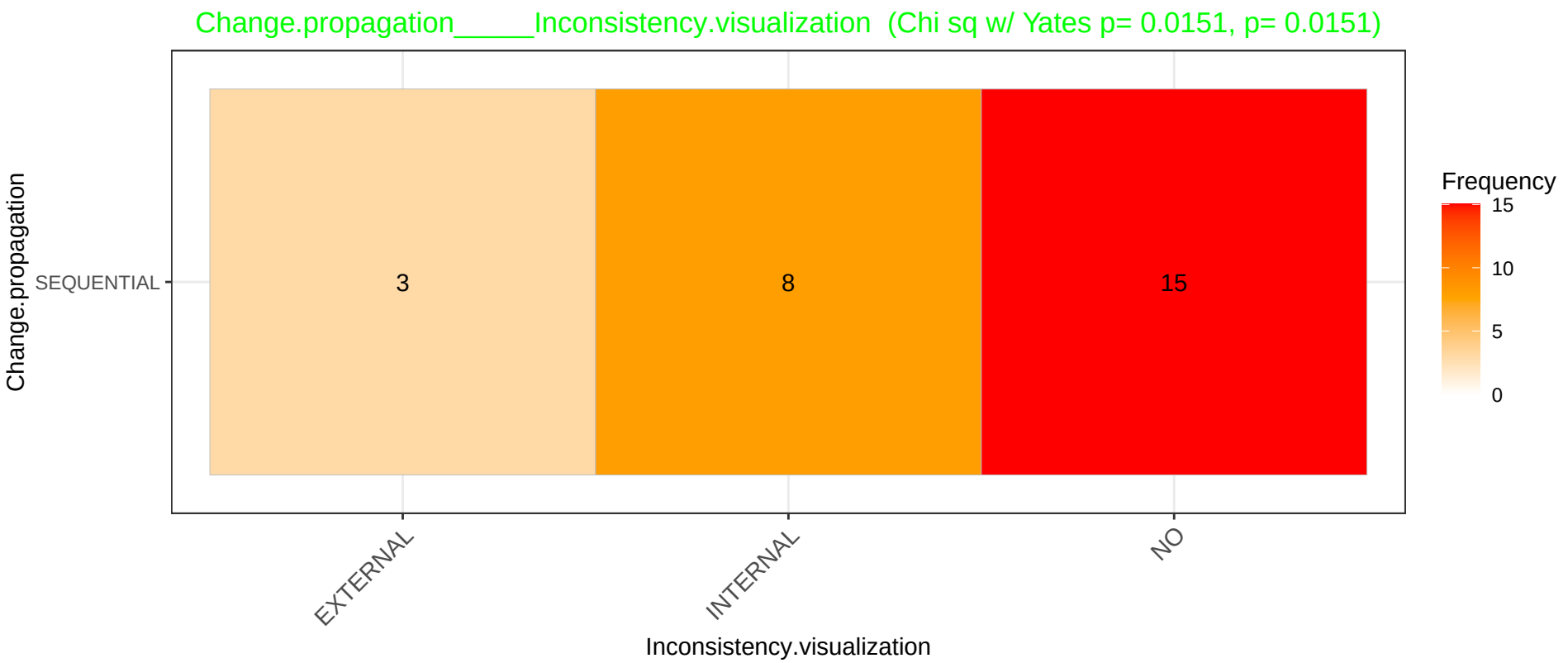

Platform_____Collaboration.Binary (Chi sq w/ Yates p= 0.5374, p= 0.5374)
MPS
ECLIPSE
ADHOC
Platform
0
1
5
5
6
11
NO
YES
Collaboration.Binary
Frequency
10.0
7.5
5.0
2.5
0.0

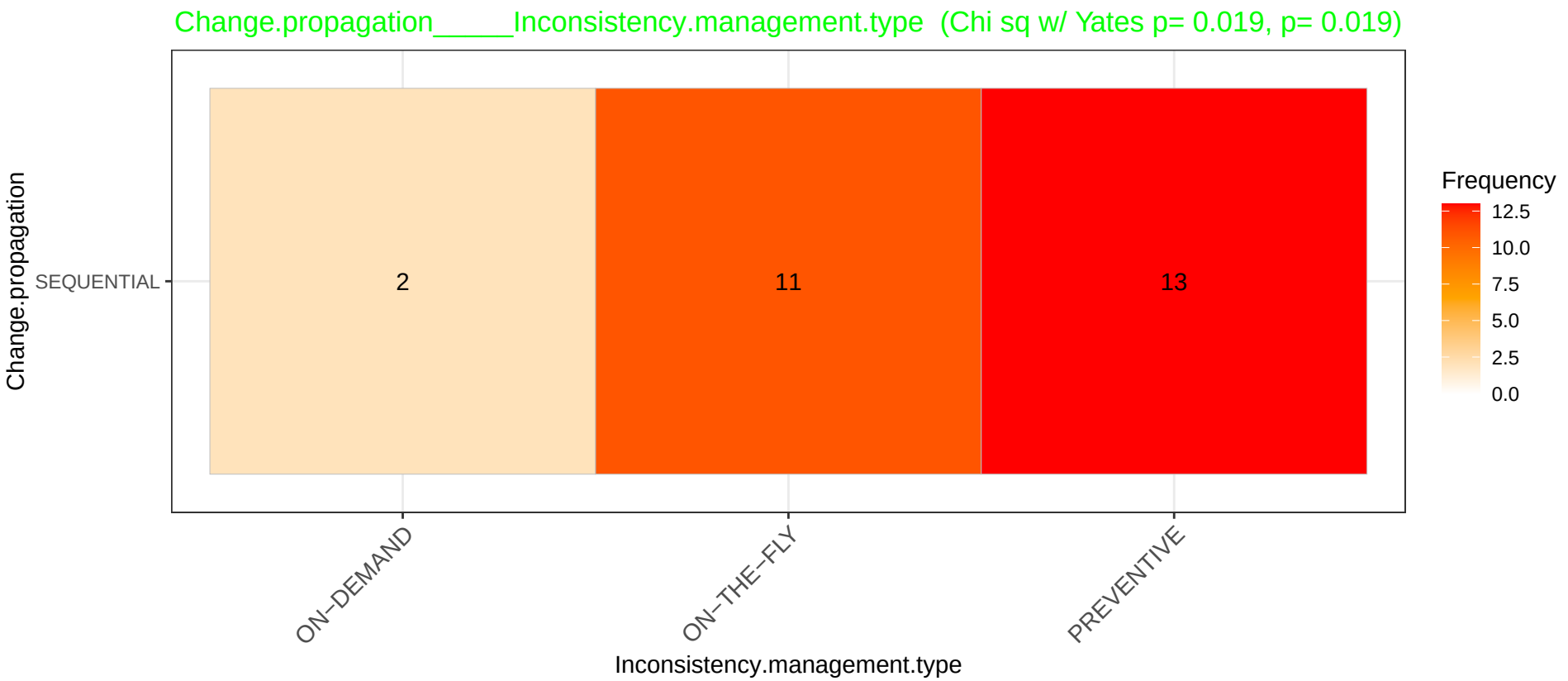

Platform_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.4358, p= 0.4358)
MPS
ECLIPSE
ADHOC
0
1
6
4
11
6
Platform
NO
YES
Inconsistency.visualization.Binary
Frequency
10.0
7.5
5.0
2.5
0.0

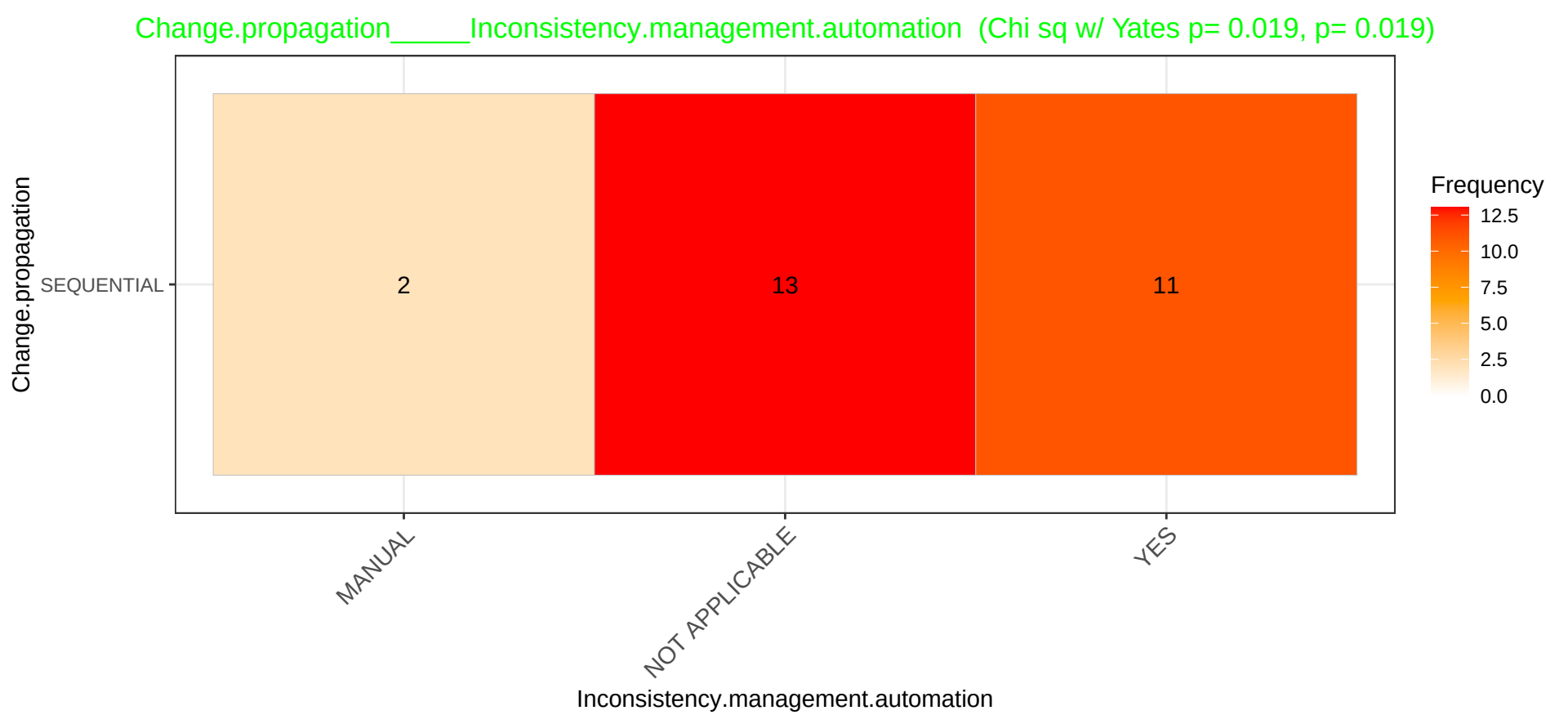

Platform_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.2539, p= 0.2539)
MPS
ECLIPSE
ADHOC
Platform
1
0
6
4
6
11
Frequency
10.0
7.5
5.0
2.5
0.0
ALLOW-AND-RESOLVE
PREVENTIVE
Inconsistency.management.strategy

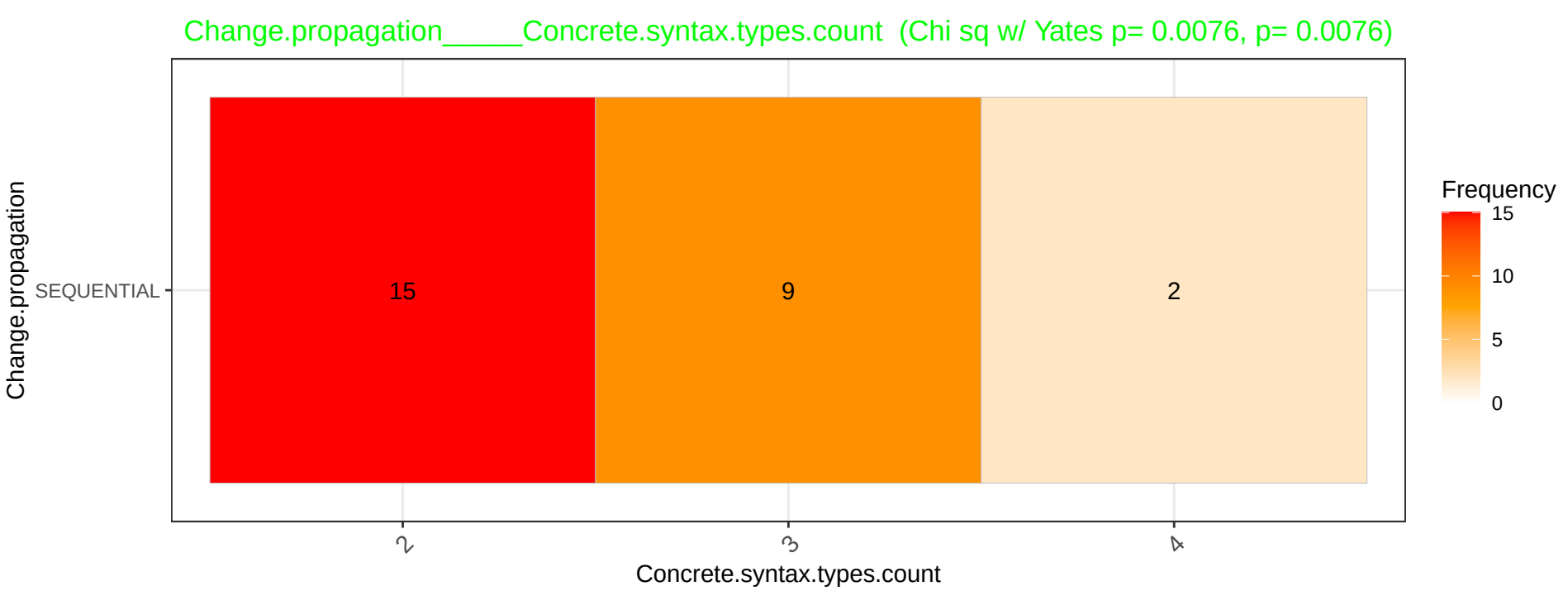

Platform_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.0312, p= 0.0312)
MPS
ECLIPSE
ADHOC
Platform
0
1
3
7
13
4
NO
YES
concrete.syntax.count.2.more
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

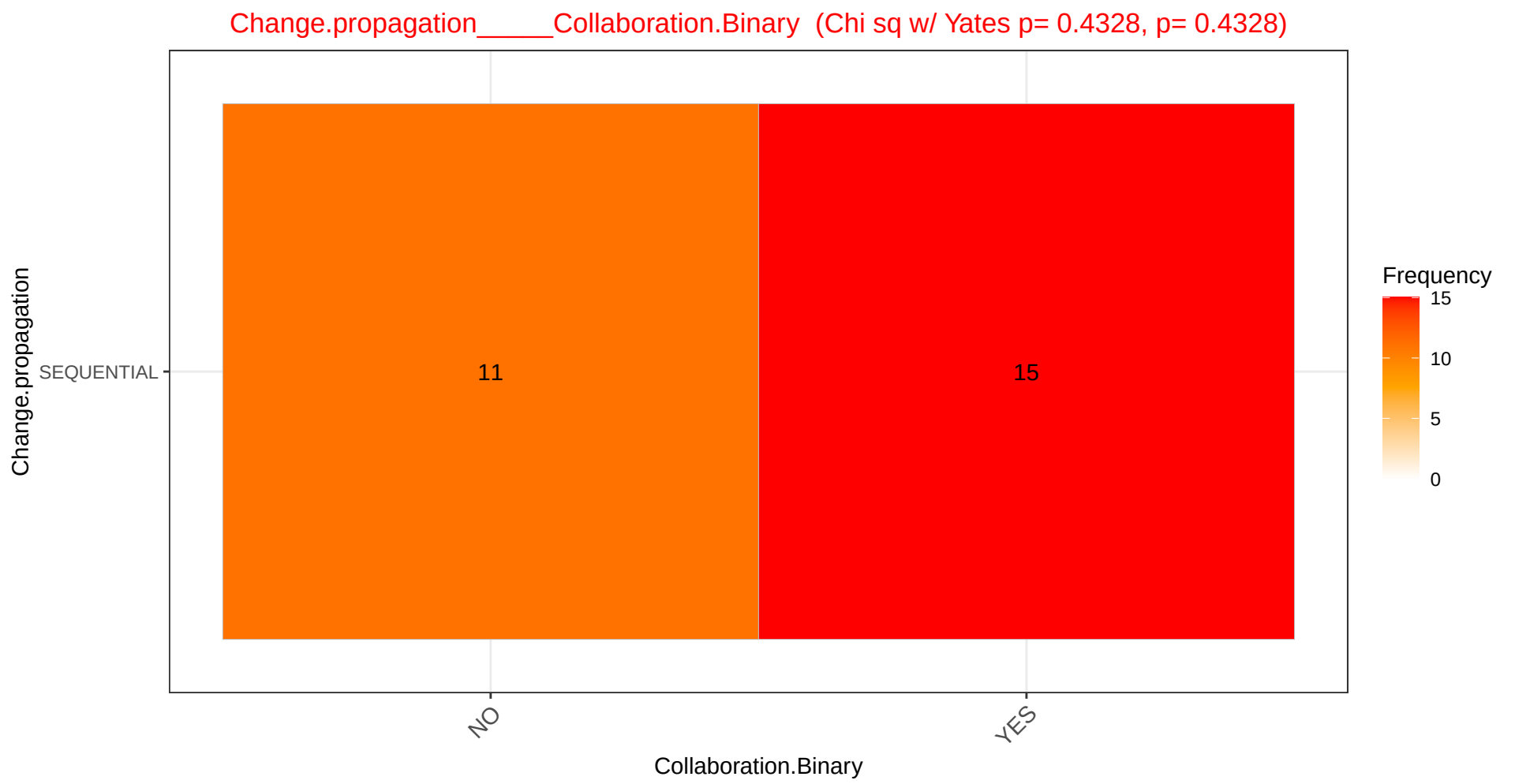

Change.propagation_____Traceability (Chi sq w/ Yates p= 0.0028, p= 0.0028)
Change.propagation
SEQUENTIAL
18
4
NO
YES
Traceability
Frequency
15
10
5
0

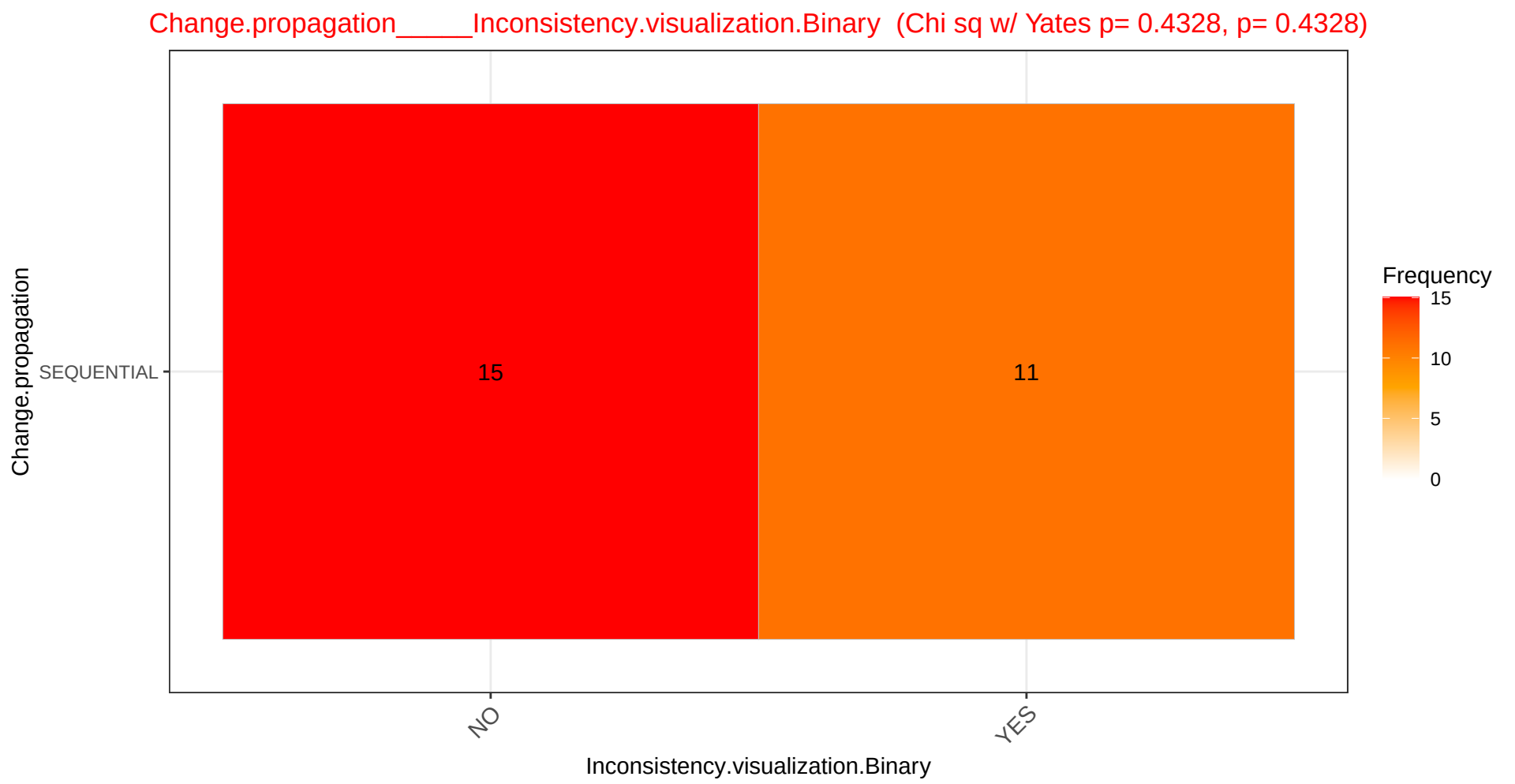

Change.propagation_____Inconsistency.visualization (Chi sq w/ Yates p= 0.0151, p= 0.0151)
Change.propagation
SEQUENTIAL
3
8
15
EXTERNAL
INTERNAL
NO
Inconsistency.visualization
Frequency
15
10
5
0

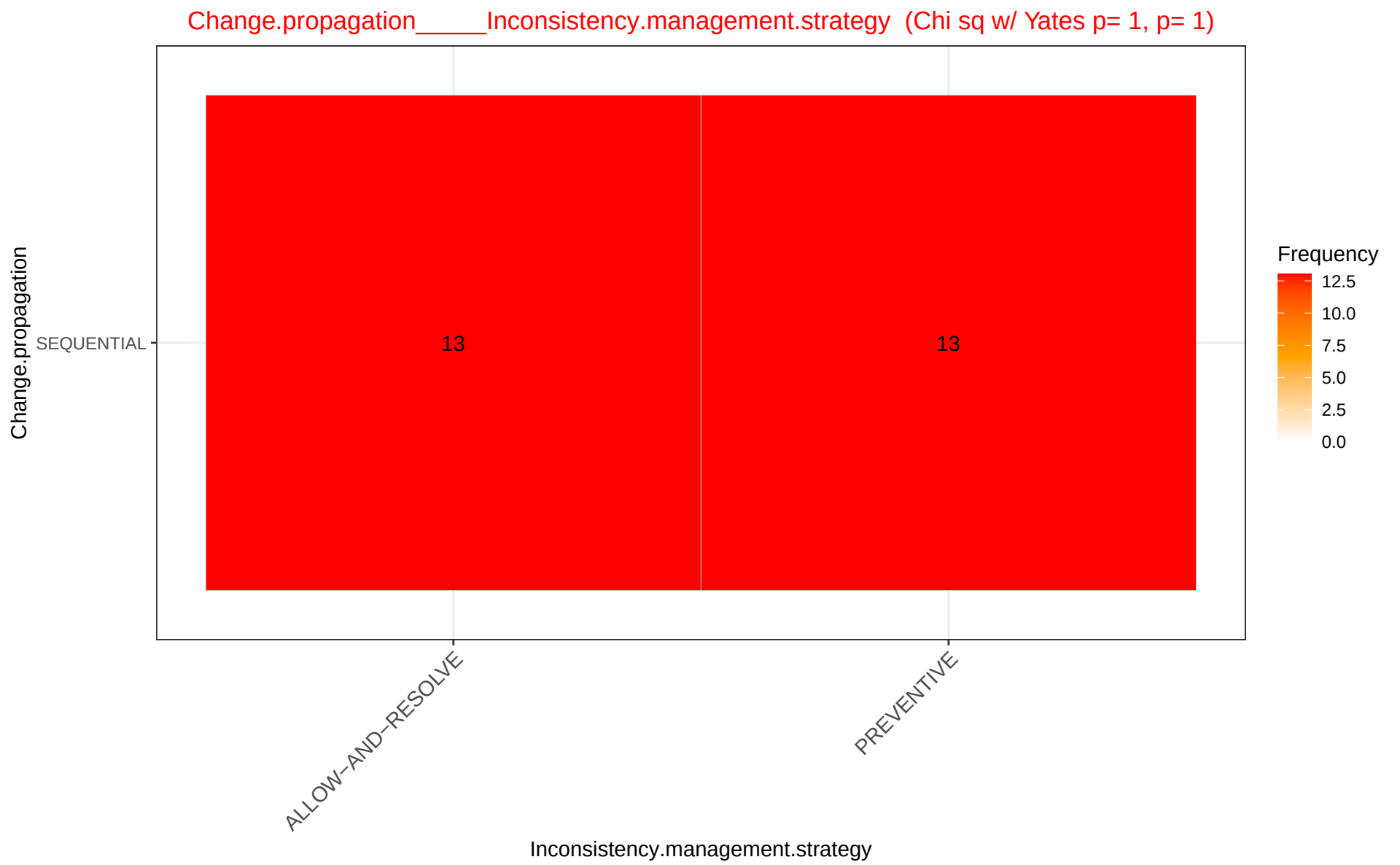

Change.propagation_____Inconsistency.management.type (Chi sq w/ Yates p= 0.019, p= 0.019)
Change.propagation
SEQUENTIAL
2
11
13
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

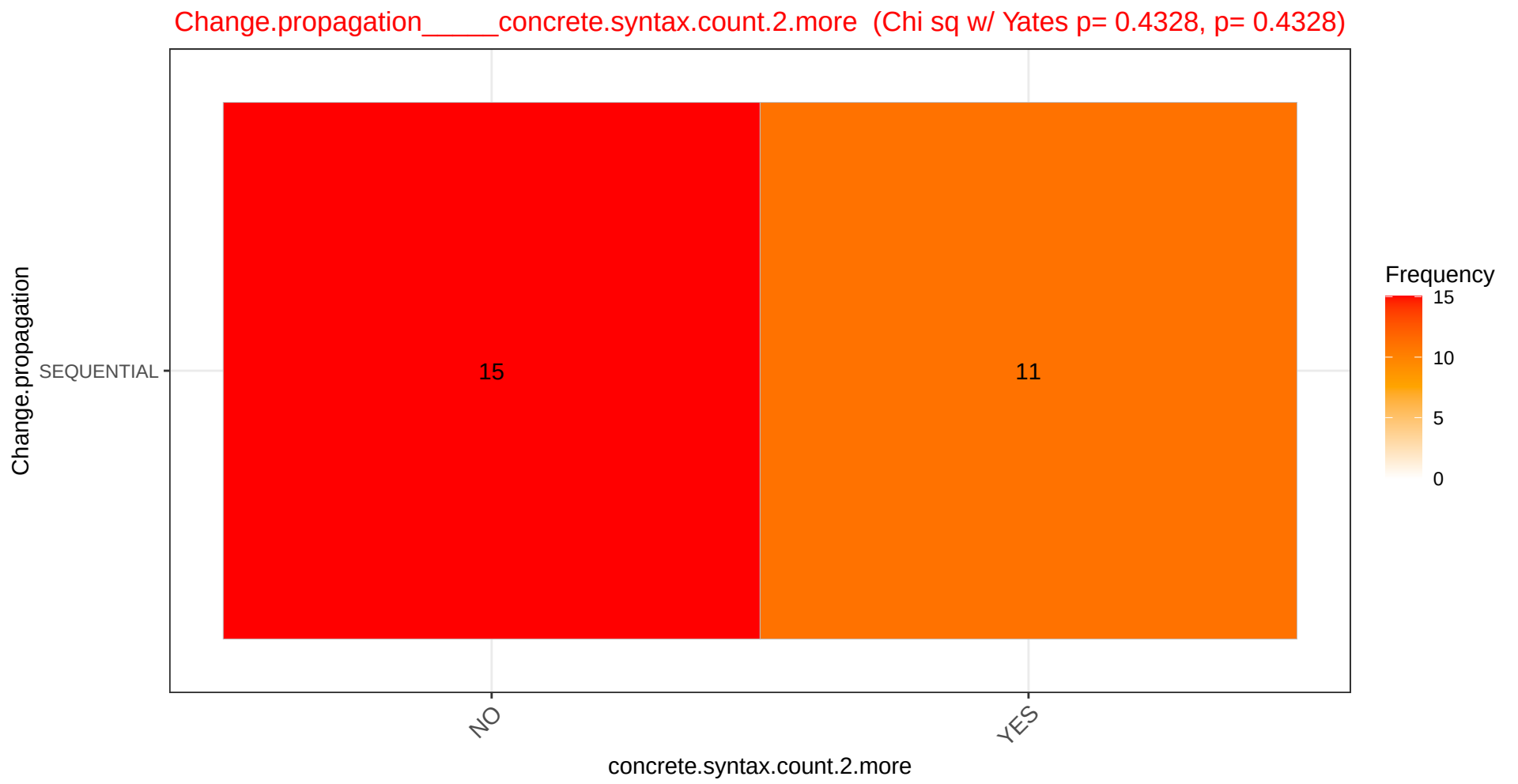

Change.propagation_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.019, p= 0.019)
Change.propagation
SEQUENTIAL
2
13
11
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

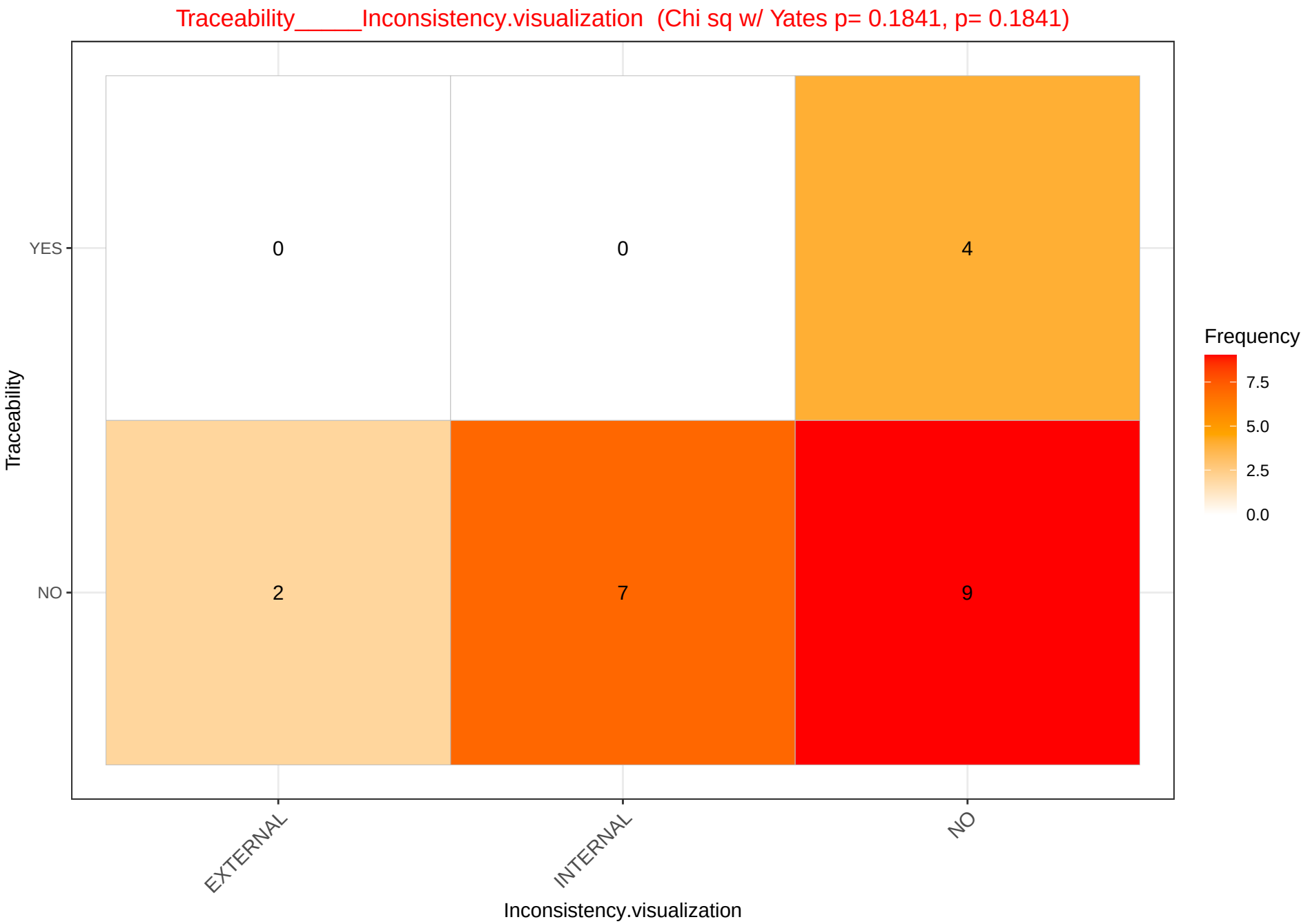

Change.propagation_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.0076, p= 0.0076)
Change.propagation
SEQUENTIAL
15
9
2
2
3
4
Concrete.syntax.types.count
Frequency
15
10
5
0

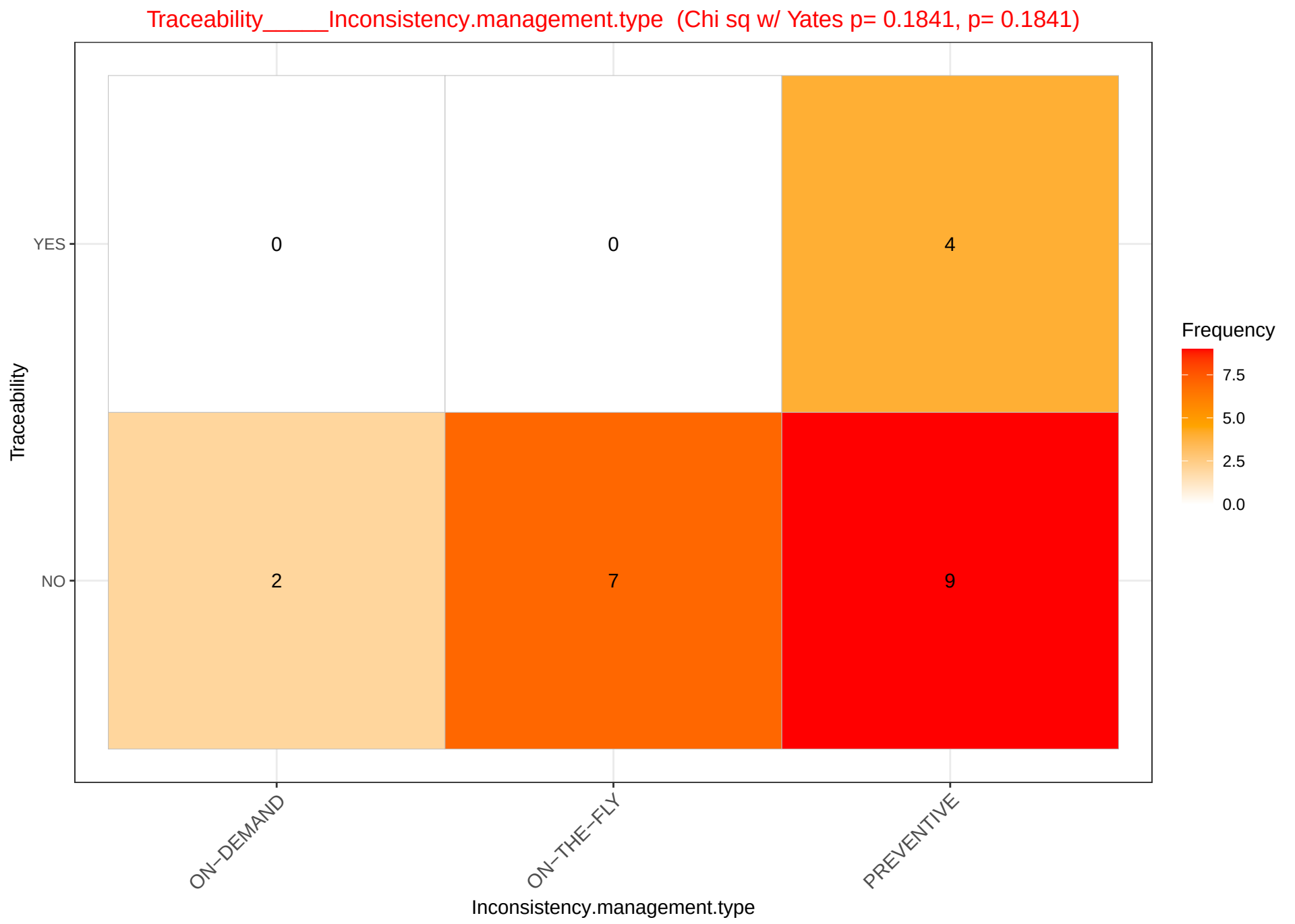

Change.propagation_____Collaboration.Binary (Chi sq w/ Yates p= 0.4328, p= 0.4328)
Change.propagation
SEQUENTIAL
11
15
NO
YES
Collaboration.Binary
Frequency
15
10
5
0

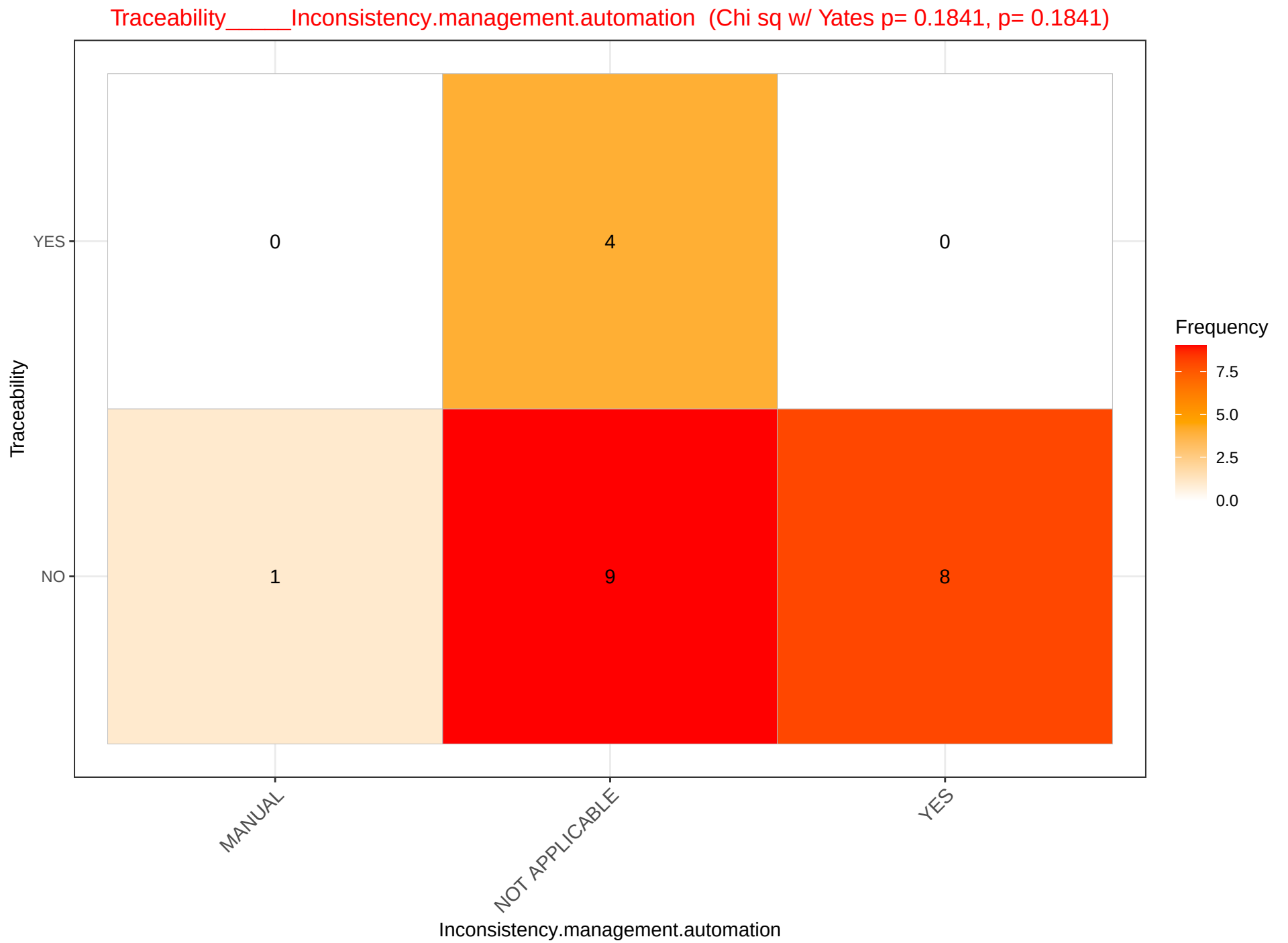

Change.propagation_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.4328, p= 0.4328)
Change.propagation
SEQUENTIAL
15
11
NO
YES
Inconsistency.visualization.Binary
Frequency
15
10
5
0

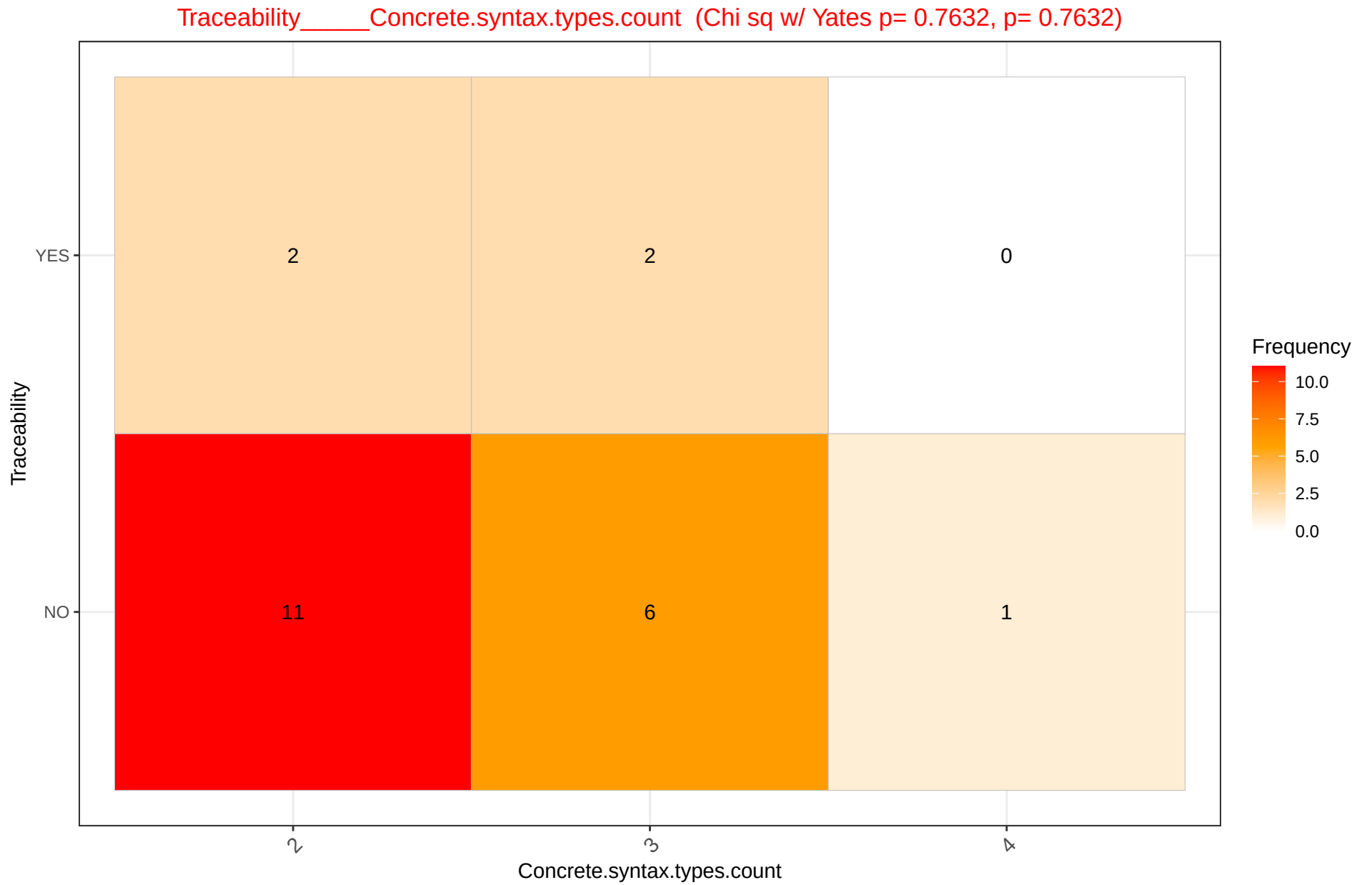

Change.propagation_____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 1)
Change.propagation
SEQUENTIAL
13
13
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

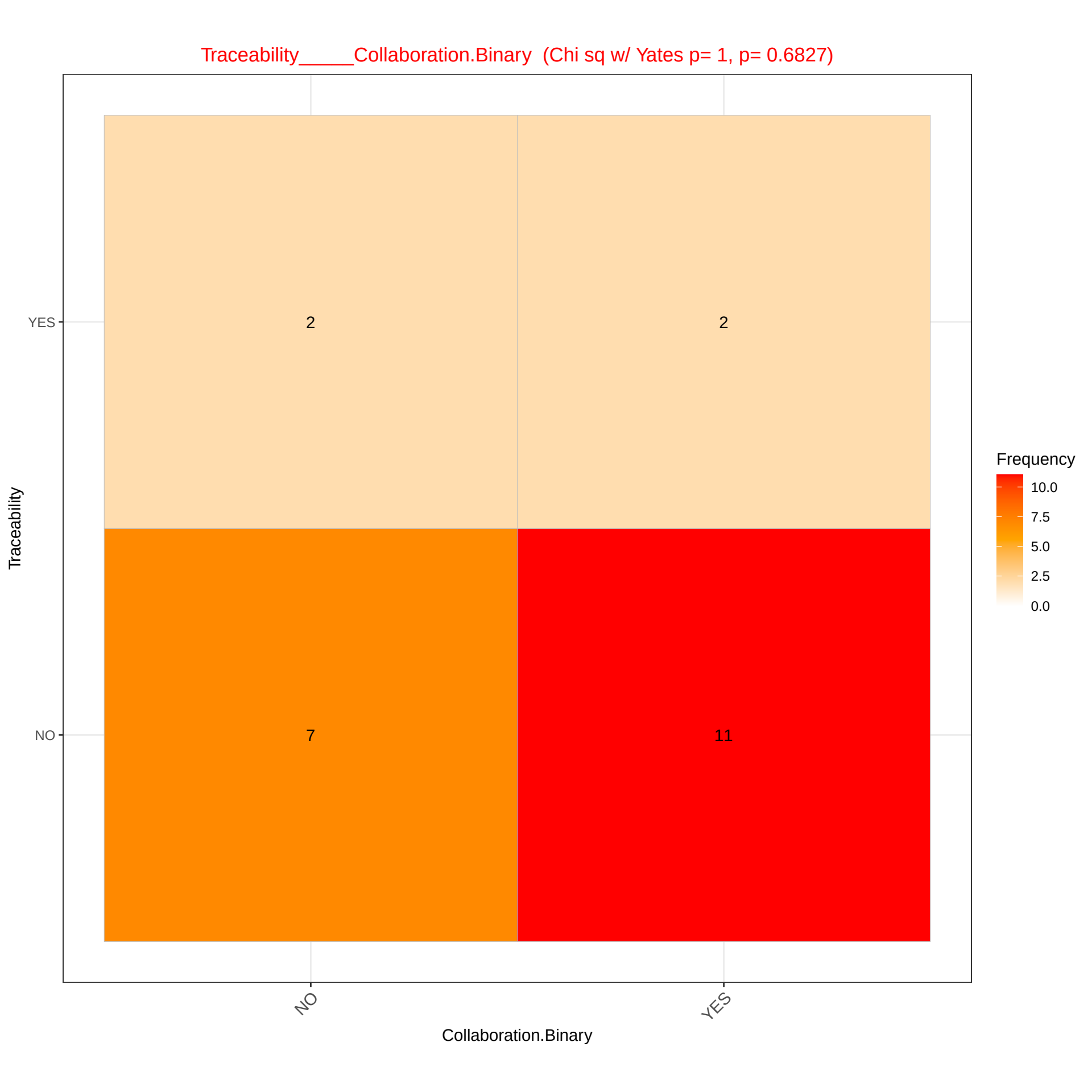

Change.propagation_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.4328, p= 0.4328)
Change.propagation
SEQUENTIAL
15
11
NO
YES
concrete.syntax.count.2.more
Frequency
15
10
5
0

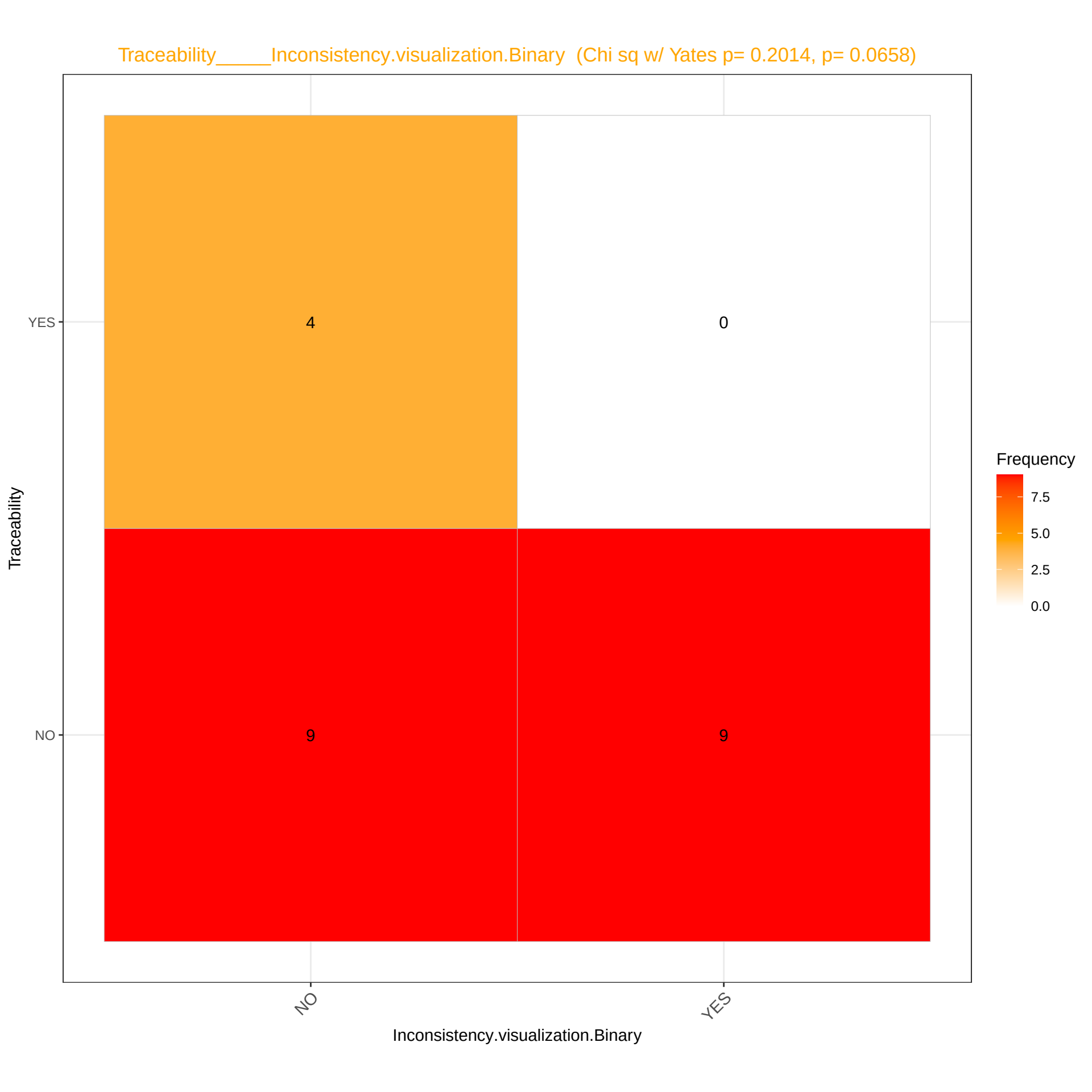

Traceability_____Inconsistency.visualization (Chi sq w/ Yates p= 0.1841, p= 0.1841)
YES
NO
Traceability
0
0
4
2
7
9
EXTERNAL
INTERNAL
NO
Inconsistency.visualization
Frequency
7.5
5.0
2.5
0.0

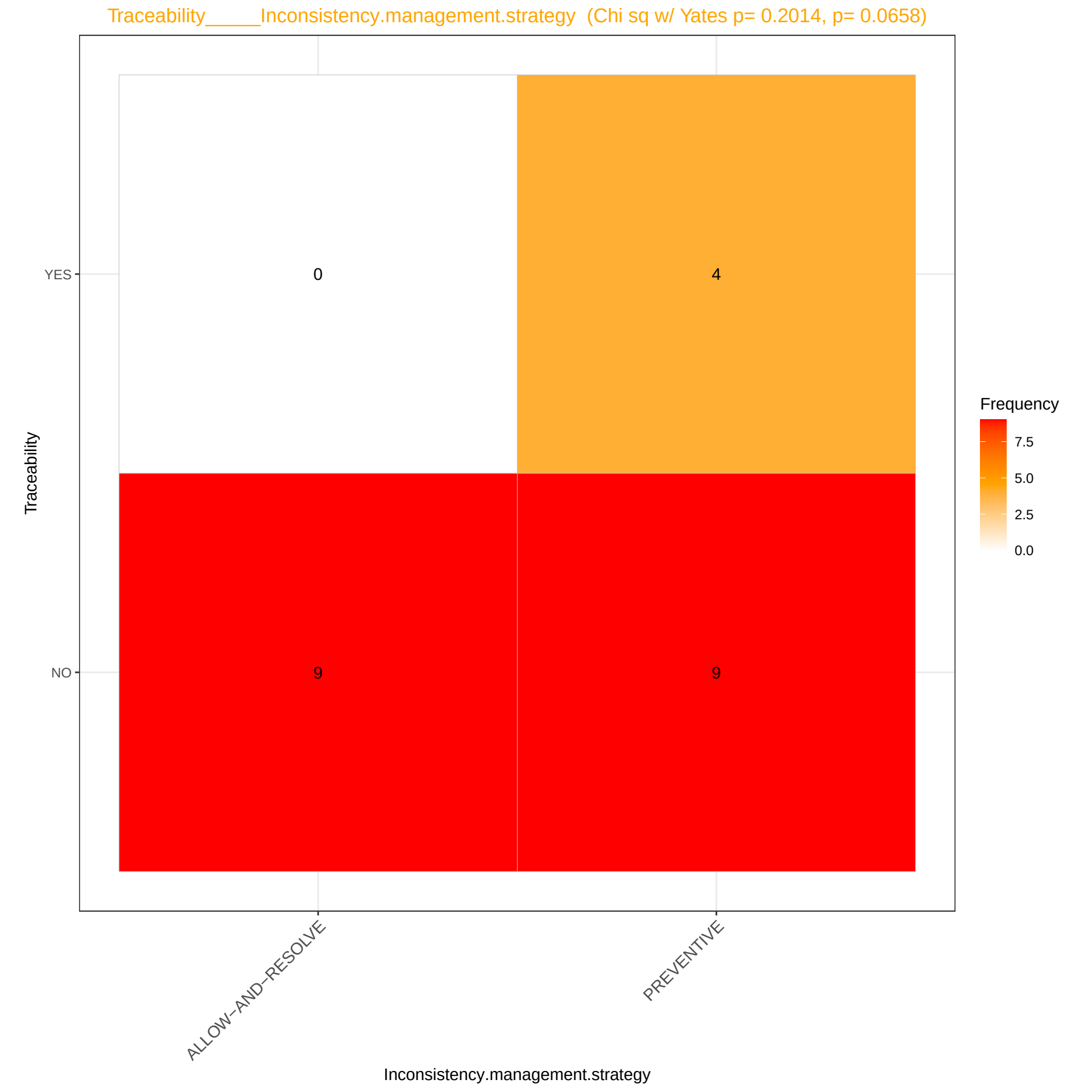

Traceability_____Inconsistency.management.type (Chi sq w/ Yates p= 0.1841, p= 0.1841)
YES
NO
Traceability
0
0
4
2
7
9
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type
Frequency
7.5
5.0
2.5
0.0

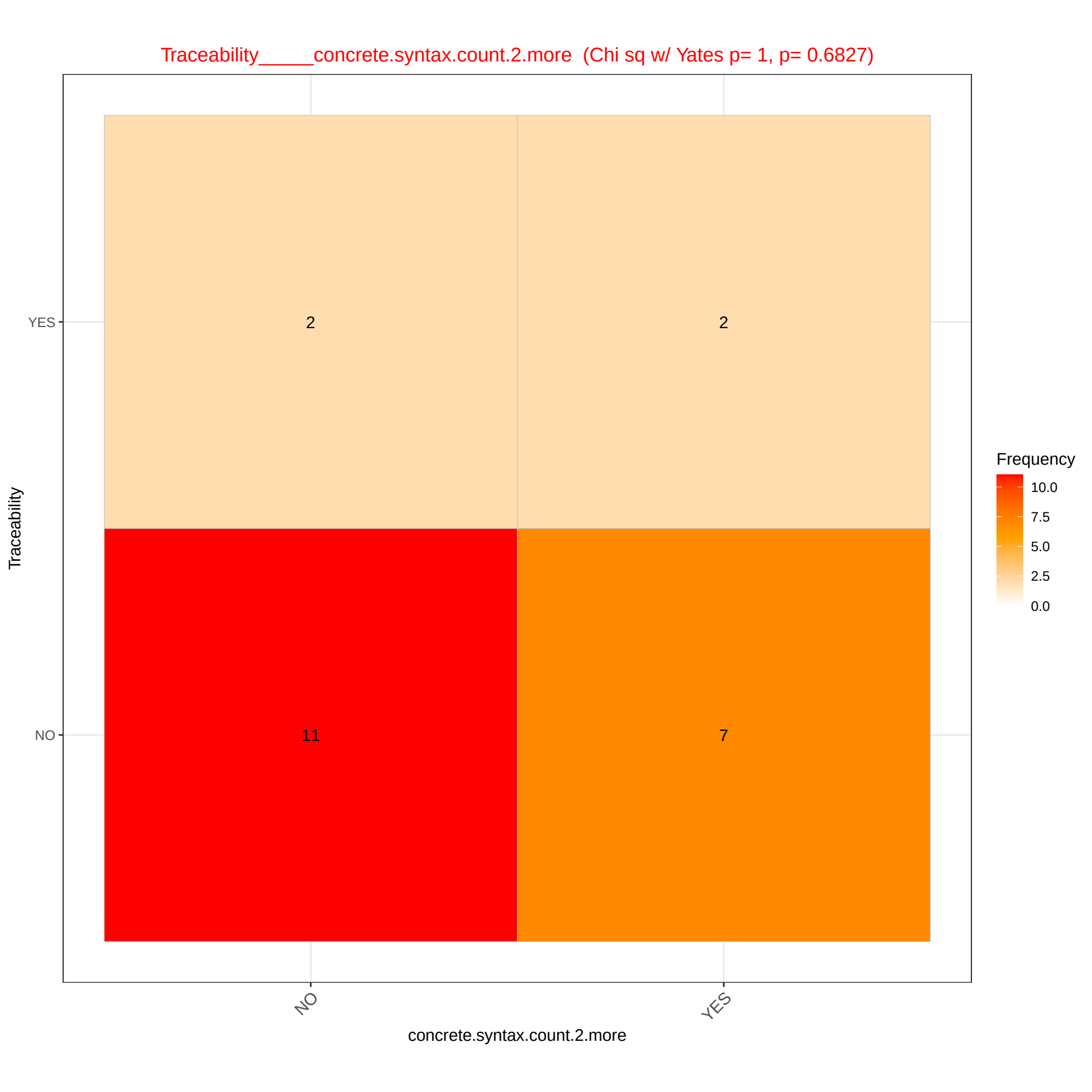

Traceability_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.1841, p= 0.1841)
YES
NO
Traceability
0
4
0
1
9
8
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
7.5
5.0
2.5
0.0

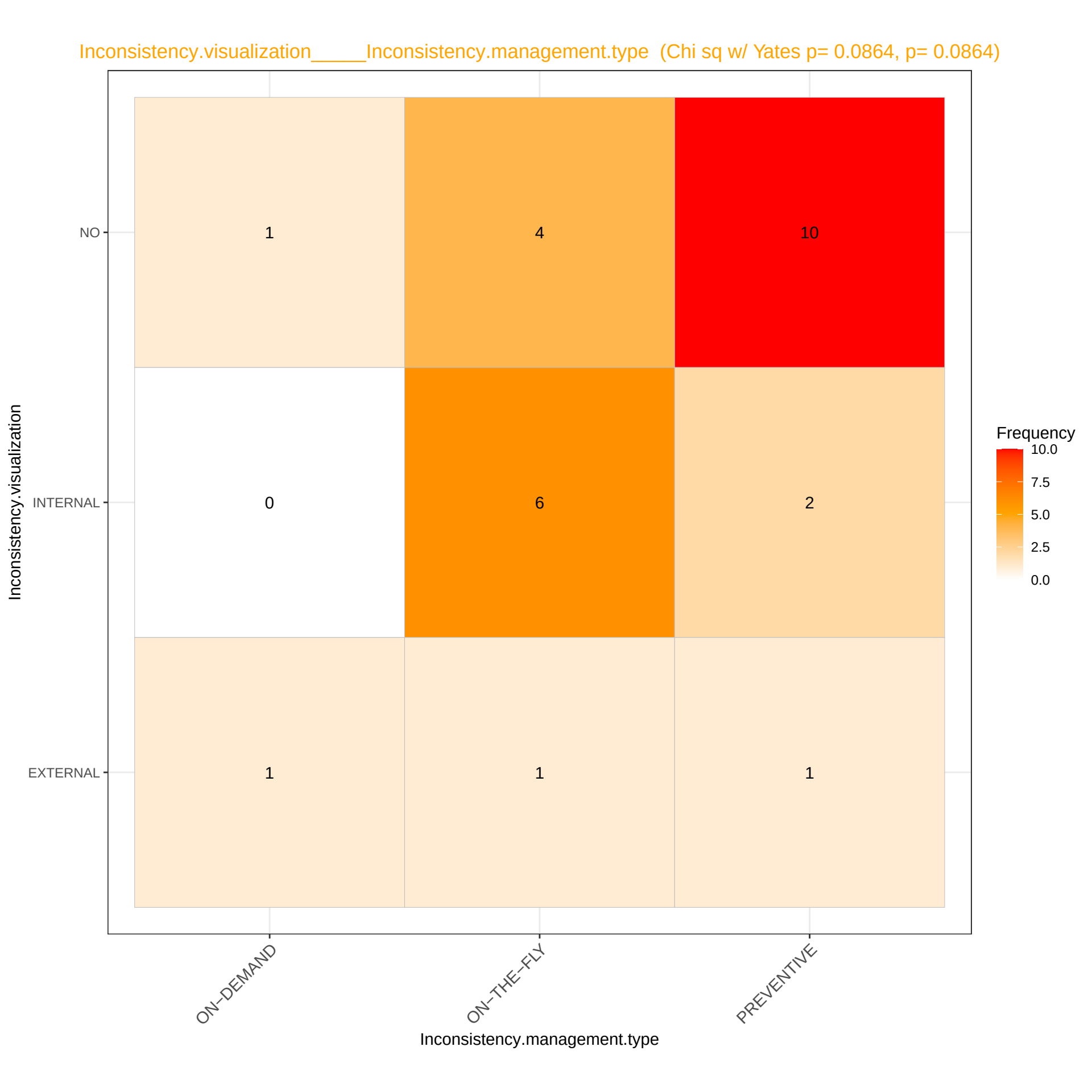

Traceability_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.7632, p= 0.7632)
YES
NO
Traceability
2
2
0
11
6
1
2
3
4
Concrete.syntax.types.count
Frequency
10.0
7.5
5.0
2.5
0.0

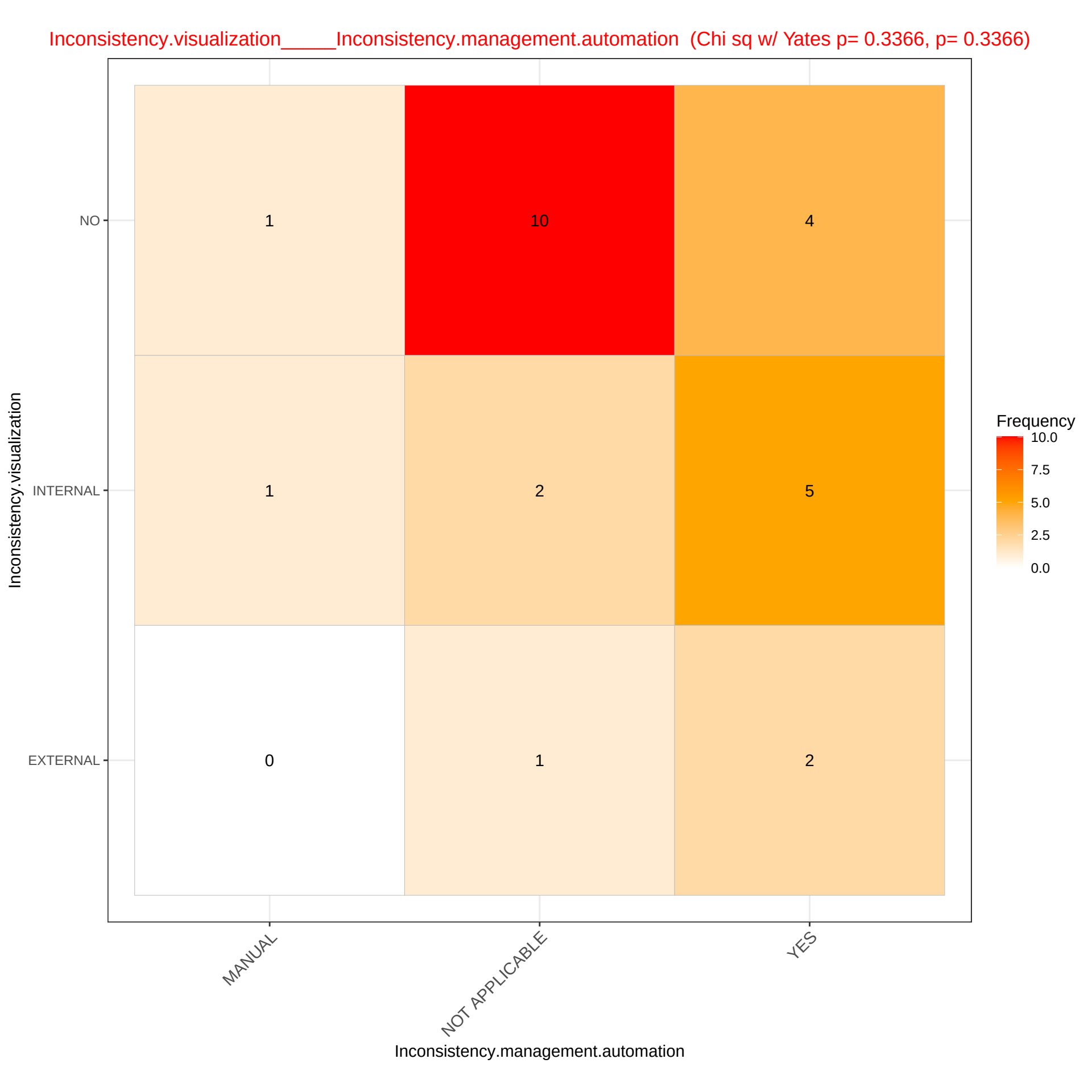

Traceability_____Collaboration.Binary (Chi sq w/ Yates p= 1, p= 0.6827)
YES
NO
Traceability
2
2
7
11
NO
YES
Collaboration.Binary
Frequency
10.0
7.5
5.0
2.5
0.0

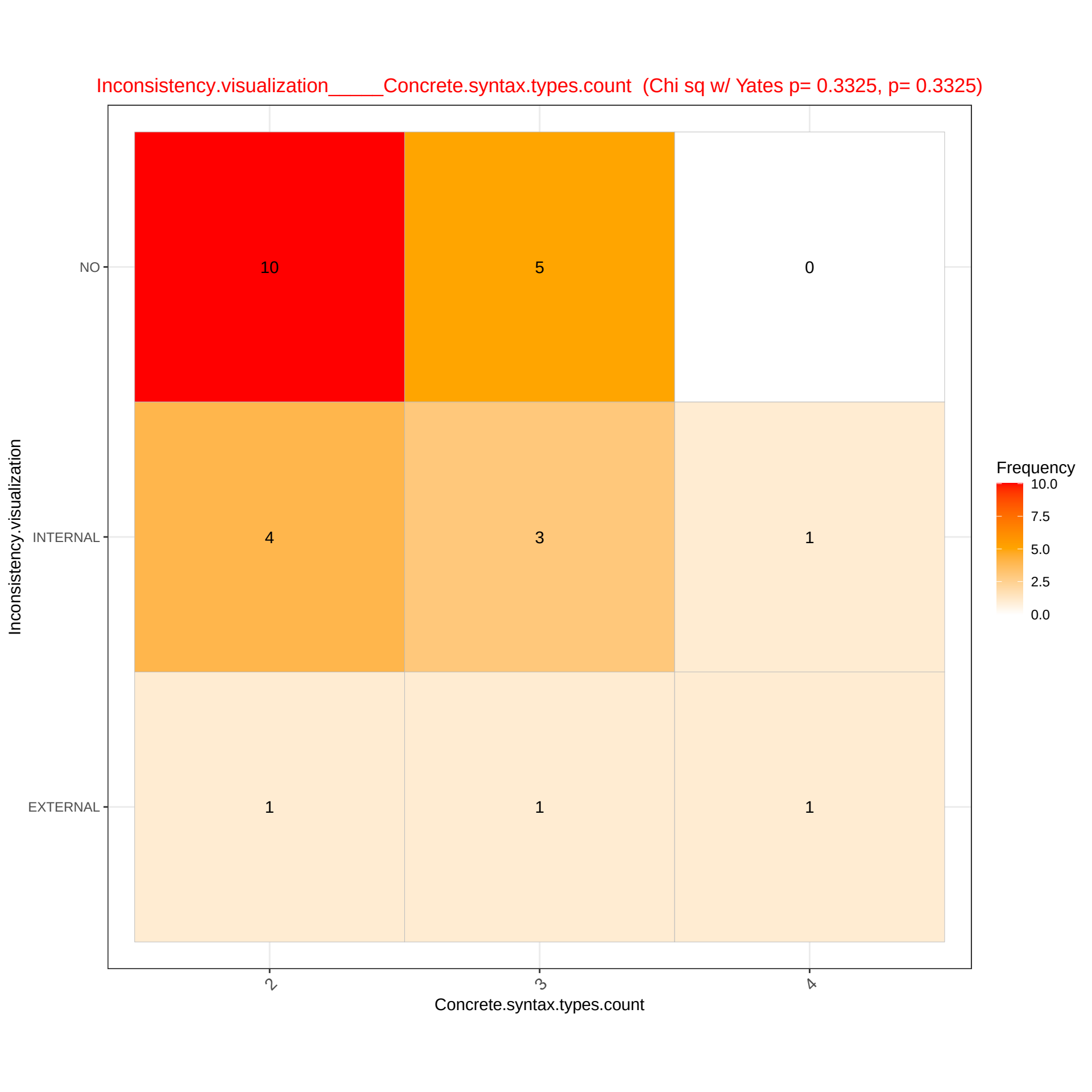

Traceability_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.2014, p= 0.0658)
YES
NO
4
0
9
9
Traceability
NO
YES
Inconsistency.visualization.Binary
Frequency
7.5
5.0
2.5
0.0

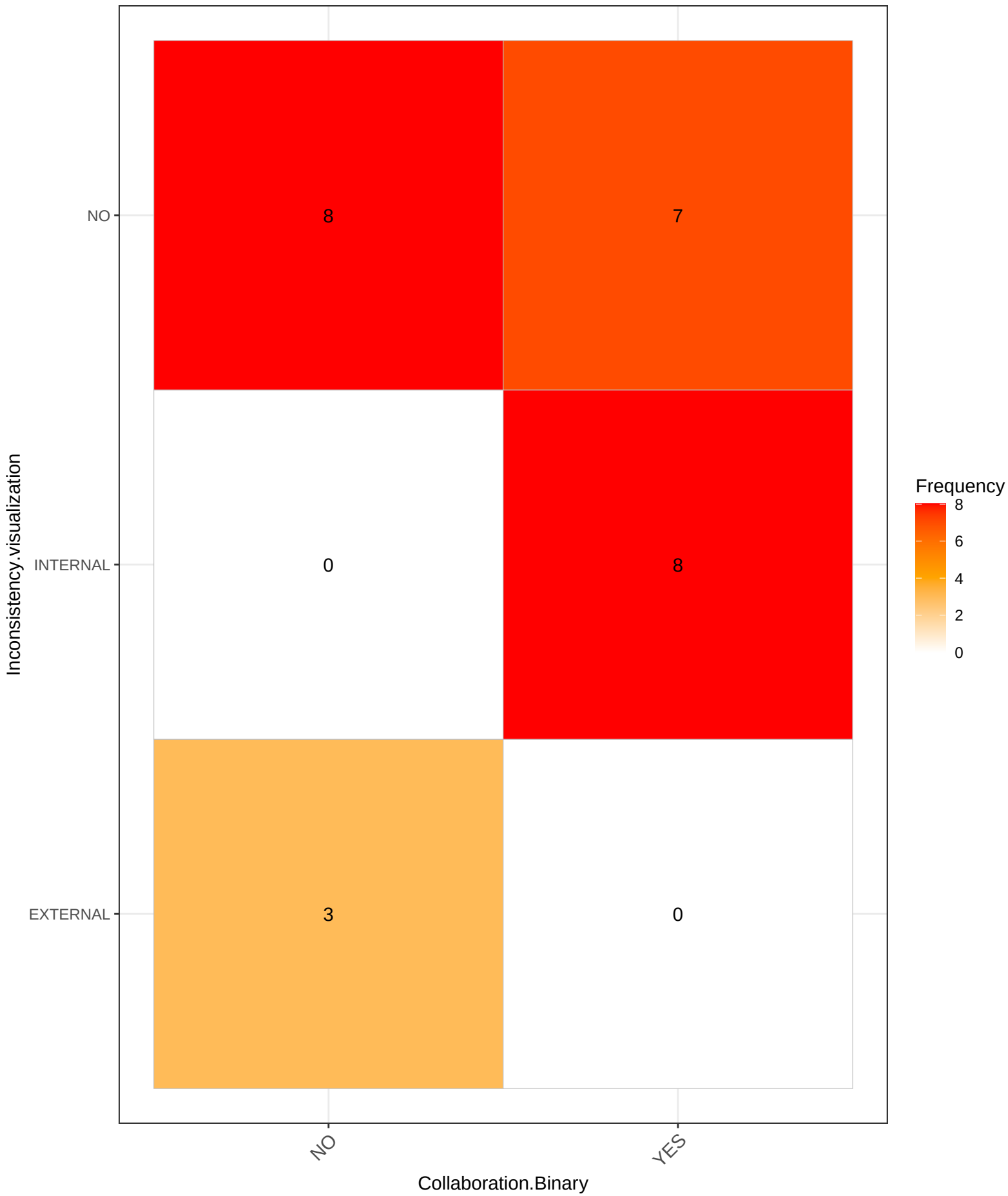

Traceability_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.2014, p= 0.0658)
YES
NO
0
4
9
9
Traceability
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy
Frequency
7.5
5.0
2.5
0.0

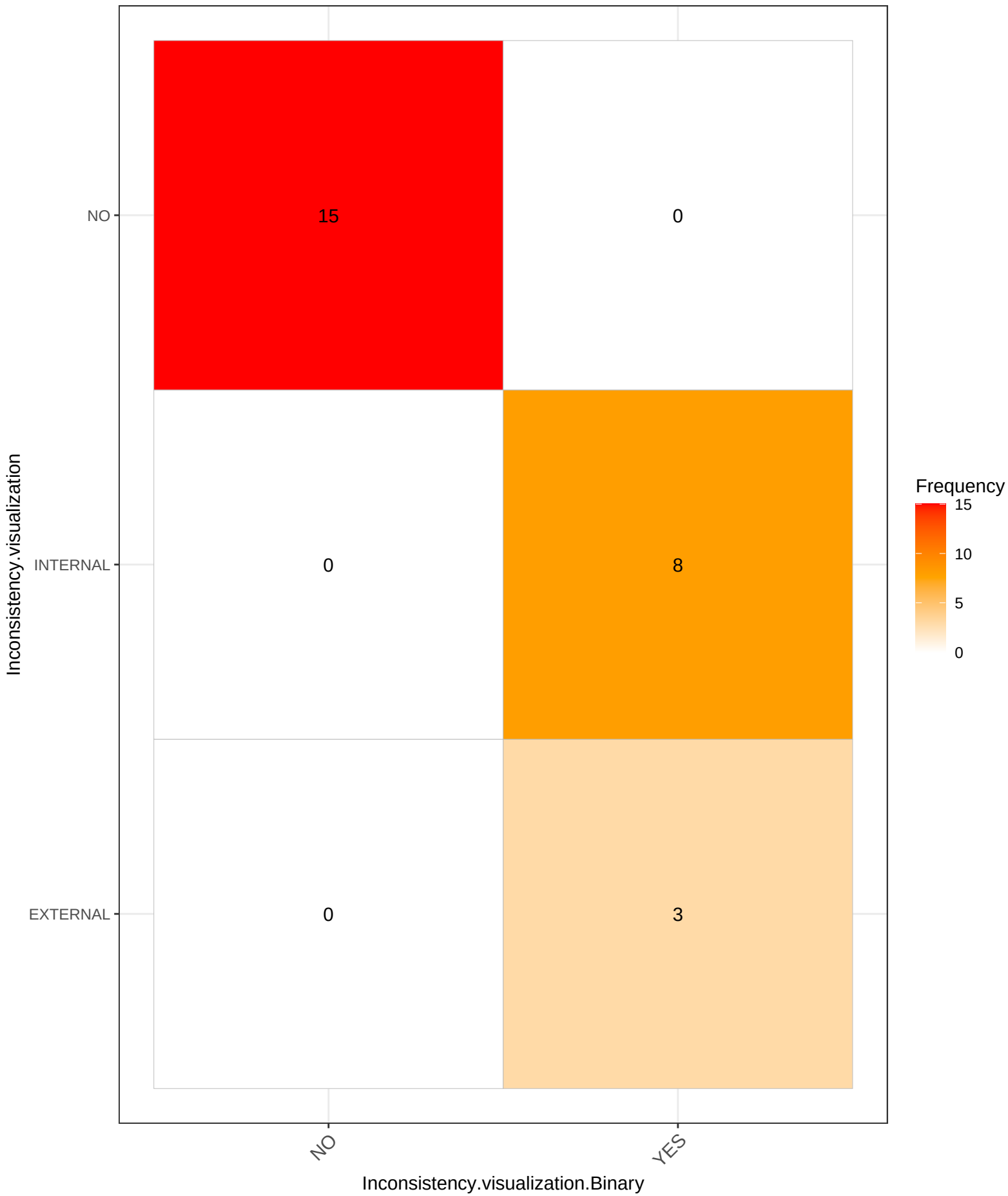

Traceability_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 1, p= 0.6827)
YES
NO
Traceability
2
2
11
7
NO
YES
concrete.syntax.count.2.more
Frequency
10.0
7.5
5.0
2.5
0.0


Inconsistency.visualization_____Inconsistency.management.type (Chi sq w/ Yates p= 0.0864, p= 0.0864)
NO
INTERNAL
EXTERNAL
1
4
10
0
6
2
1
1
1
Inconsistency.visualization
ON−DEMAND
ON−THE−FLY
PREVENTIVE
Inconsistency.management.type
Frequency
10.0
7.5
5.0
2.5
0.0

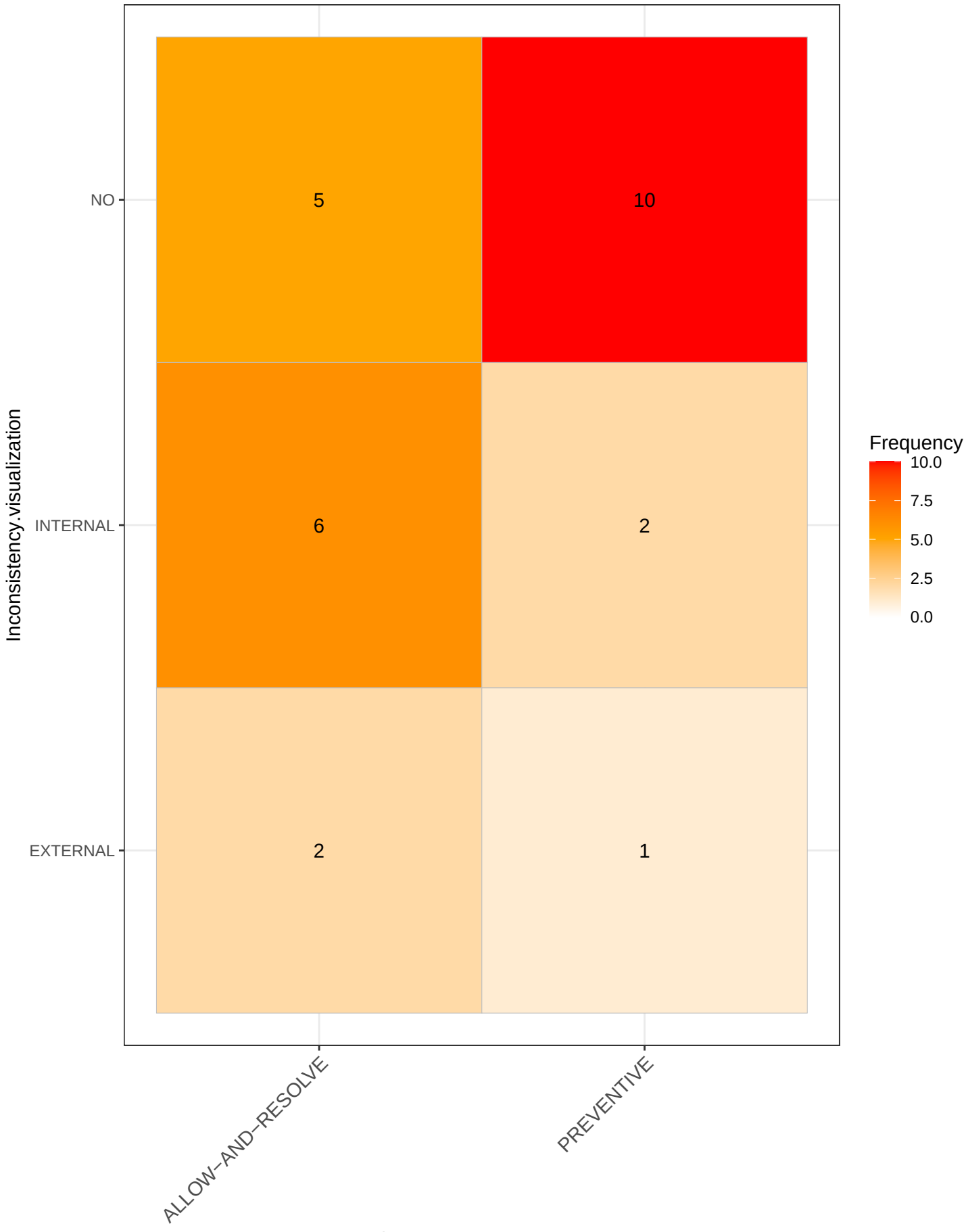

Inconsistency.visualization_____Inconsistency.management.automation (Chi sq w/ Yates p= 0.3366, p= 0.3366)
NO
INTERNAL
EXTERNAL
Inconsistency.visualization
1
10
4
1
2
5
0
1
2
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
10.0
7.5
5.0
2.5
0.0

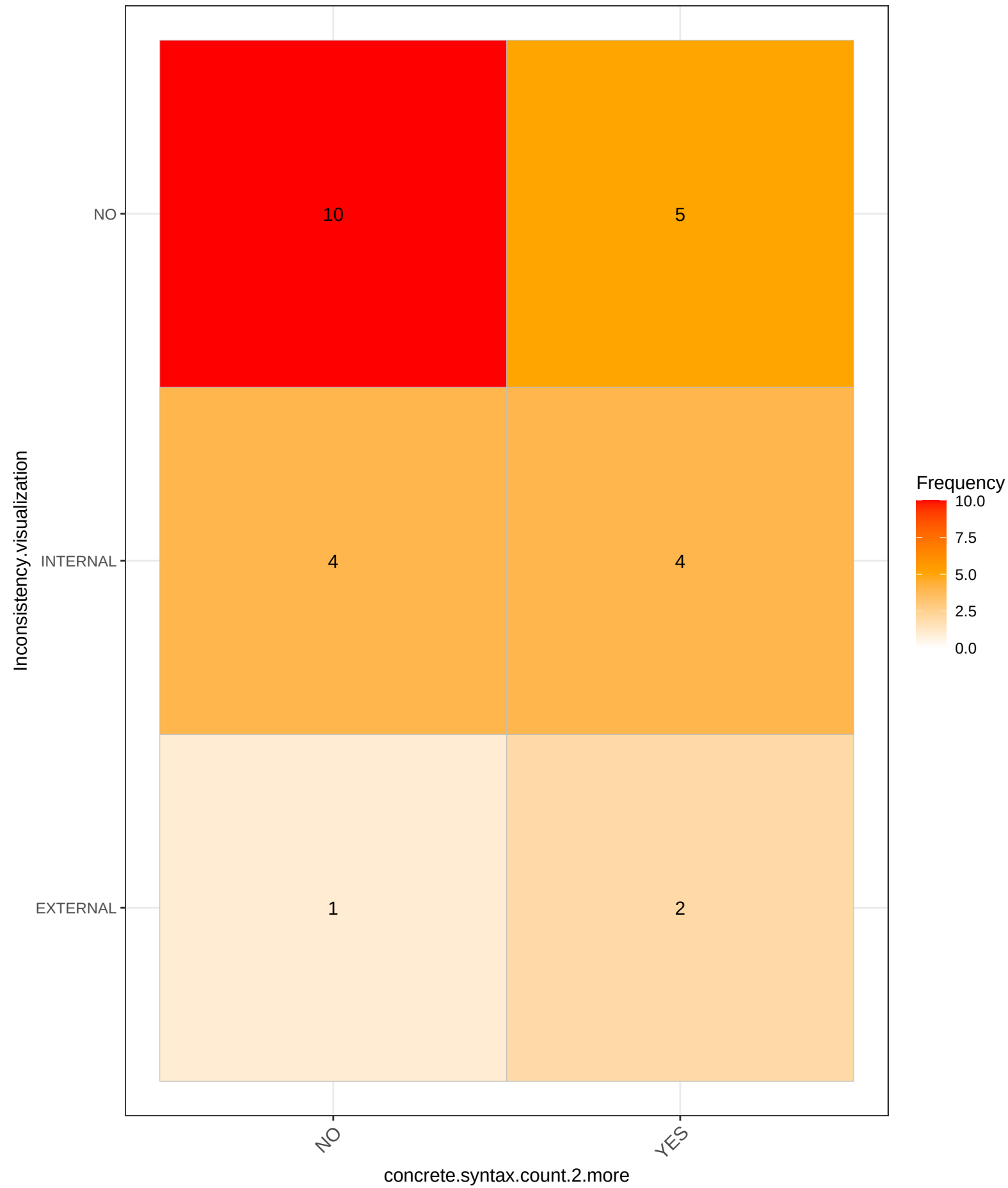

Inconsistency.visualization_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.3325, p= 0.3325)
NO
INTERNAL
EXTERNAL
Inconsistency.visualization
10
5
0
4
3
1
1
1
1
2
3
4
Concrete.syntax.types.count
Frequency
10.0
7.5
5.0
2.5
0.0

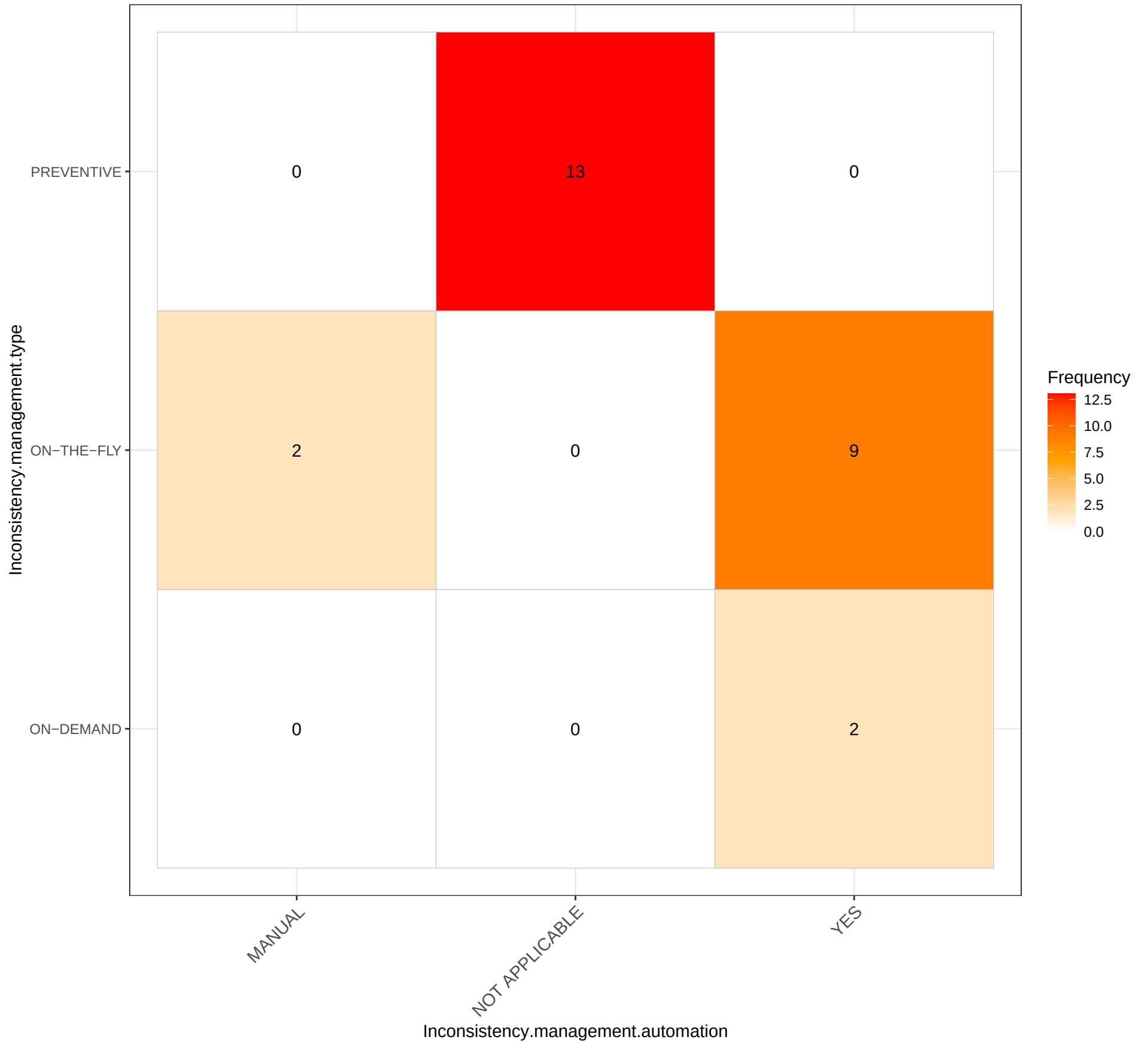

Inconsistency.visualization_____Collaboration.Binary (Chi sq w/ Yates p= 0.0047, p= 0.0047)
NO
INTERNAL
EXTERNAL
Inconsistency.visualization
8
7
0
8
3
0
NO
YES
Collaboration.Binary
Frequency
8
6
4
2
0

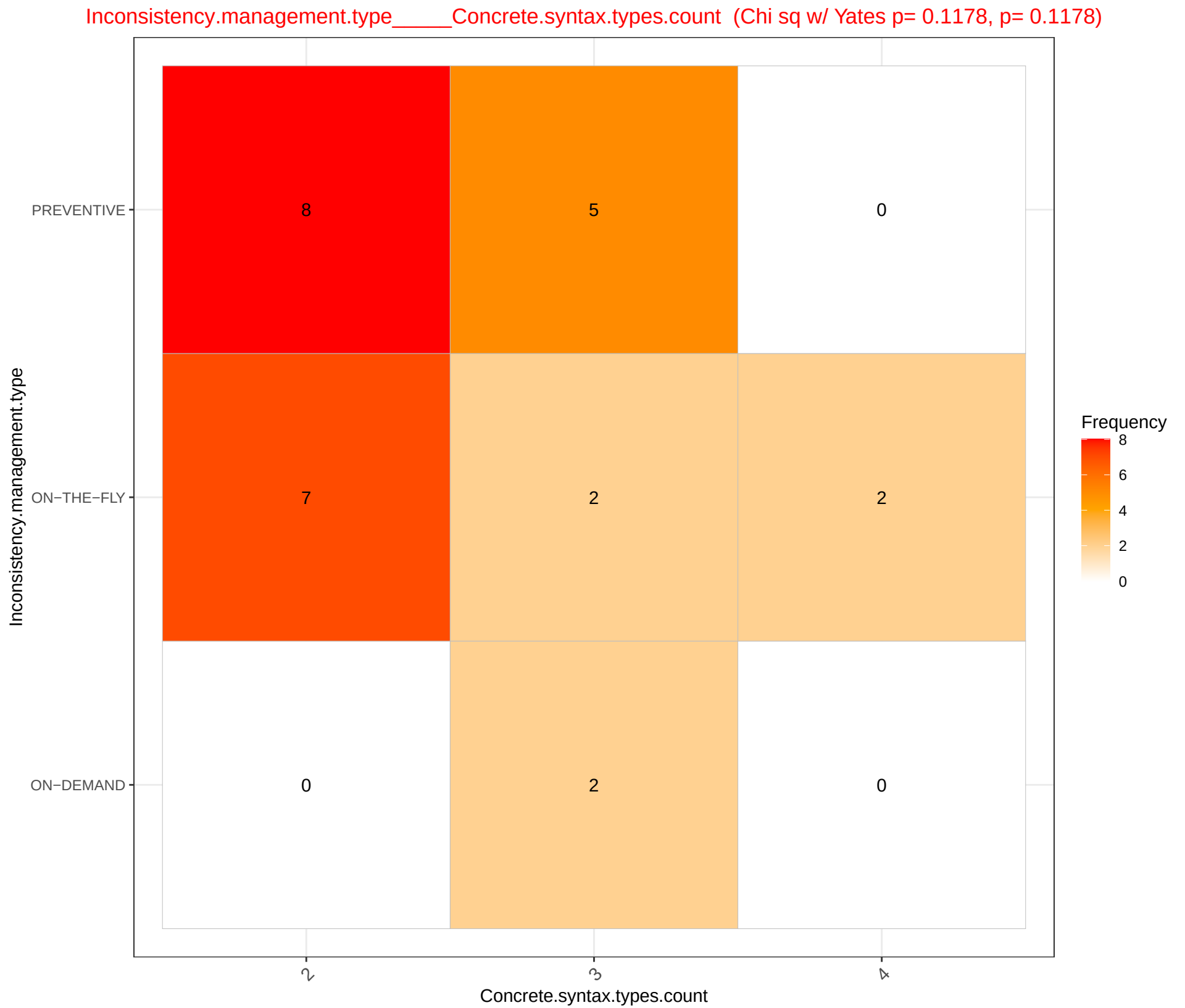

Inconsistency.visualization_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0, p= 0)
NO
INTERNAL
EXTERNAL
15
0
0
8
0
3
Inconsistency.visualization
NO
YES
Inconsistency.visualization.Binary
Frequency
15
10
5
0

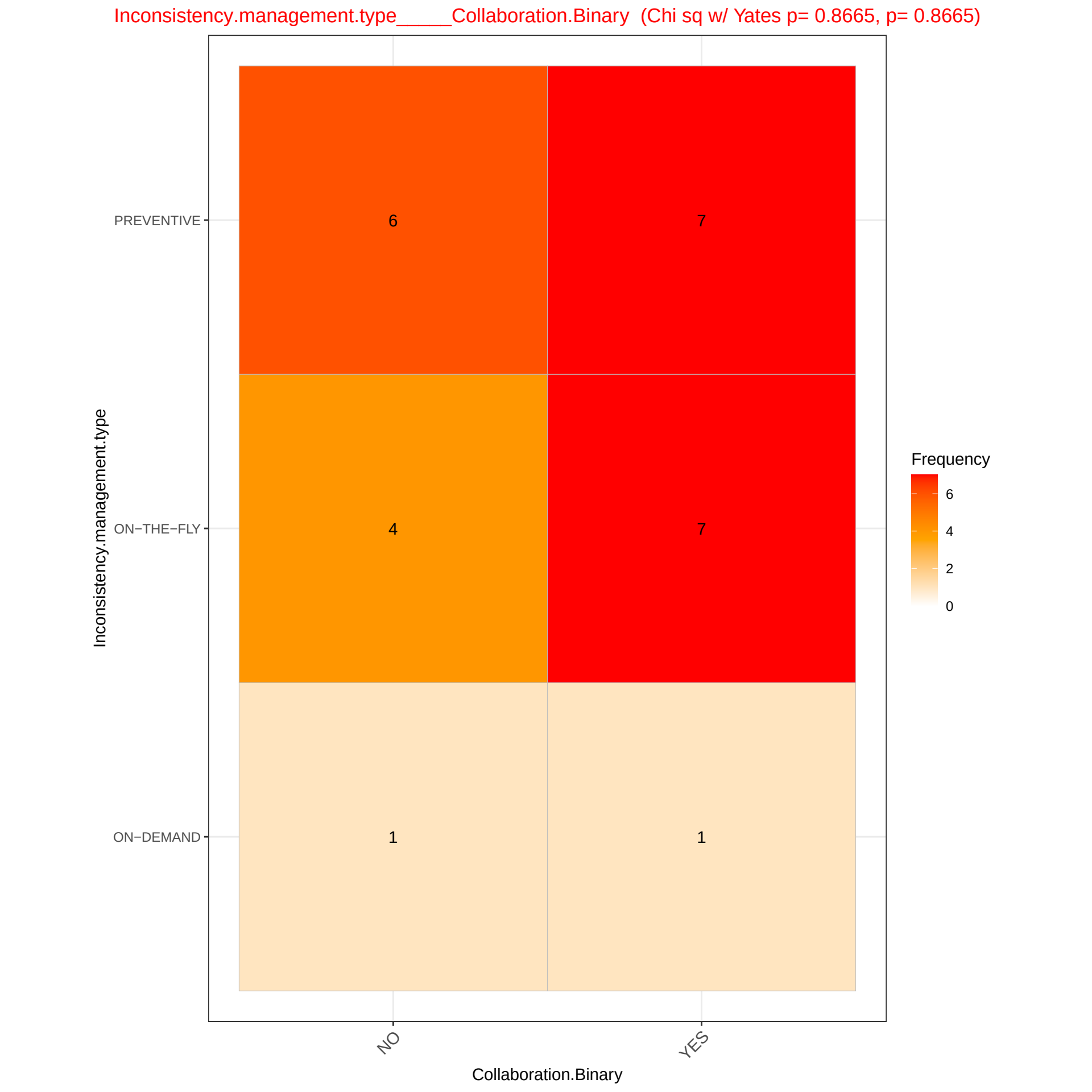
Inconsistency.visualization_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.1353, p= 0.1353)

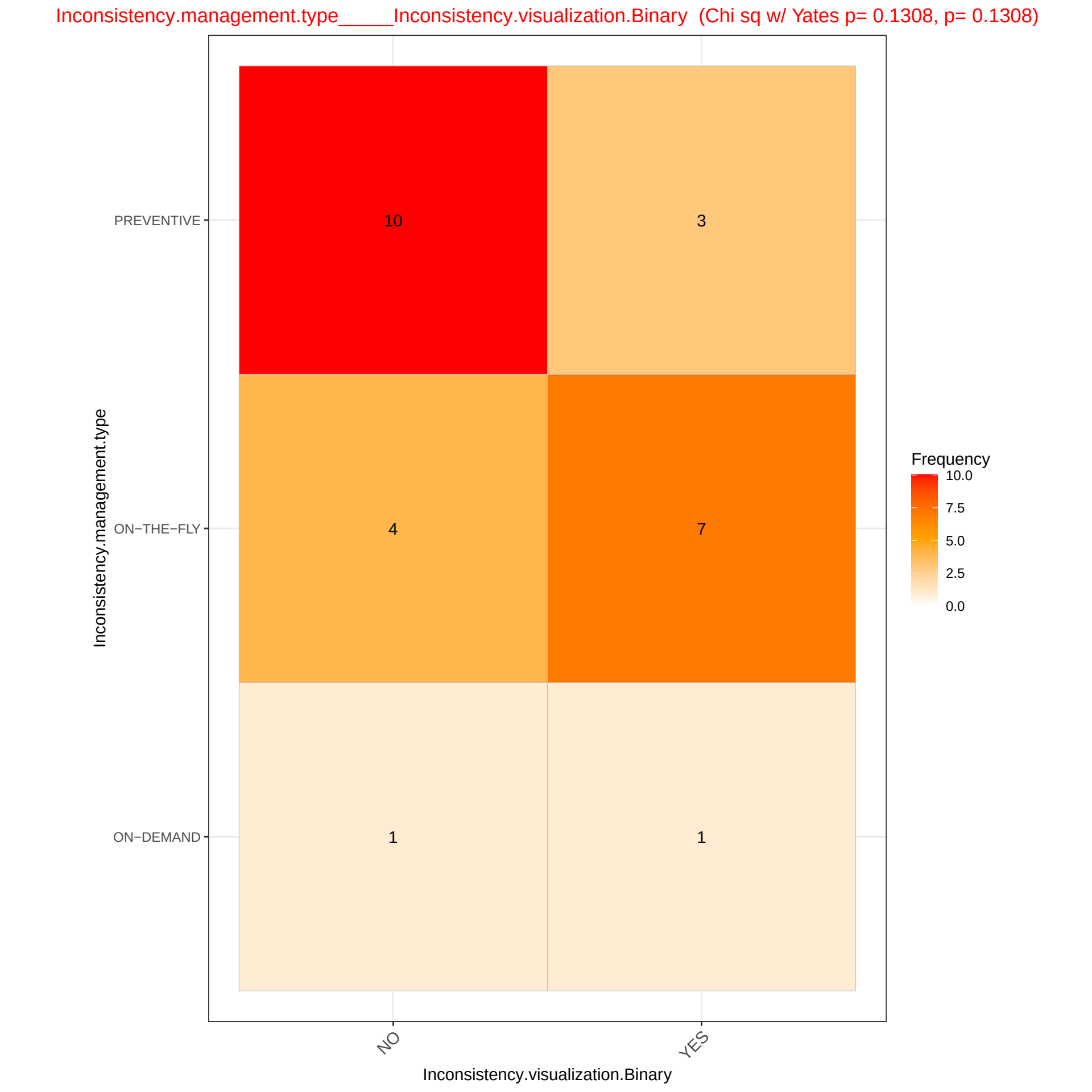


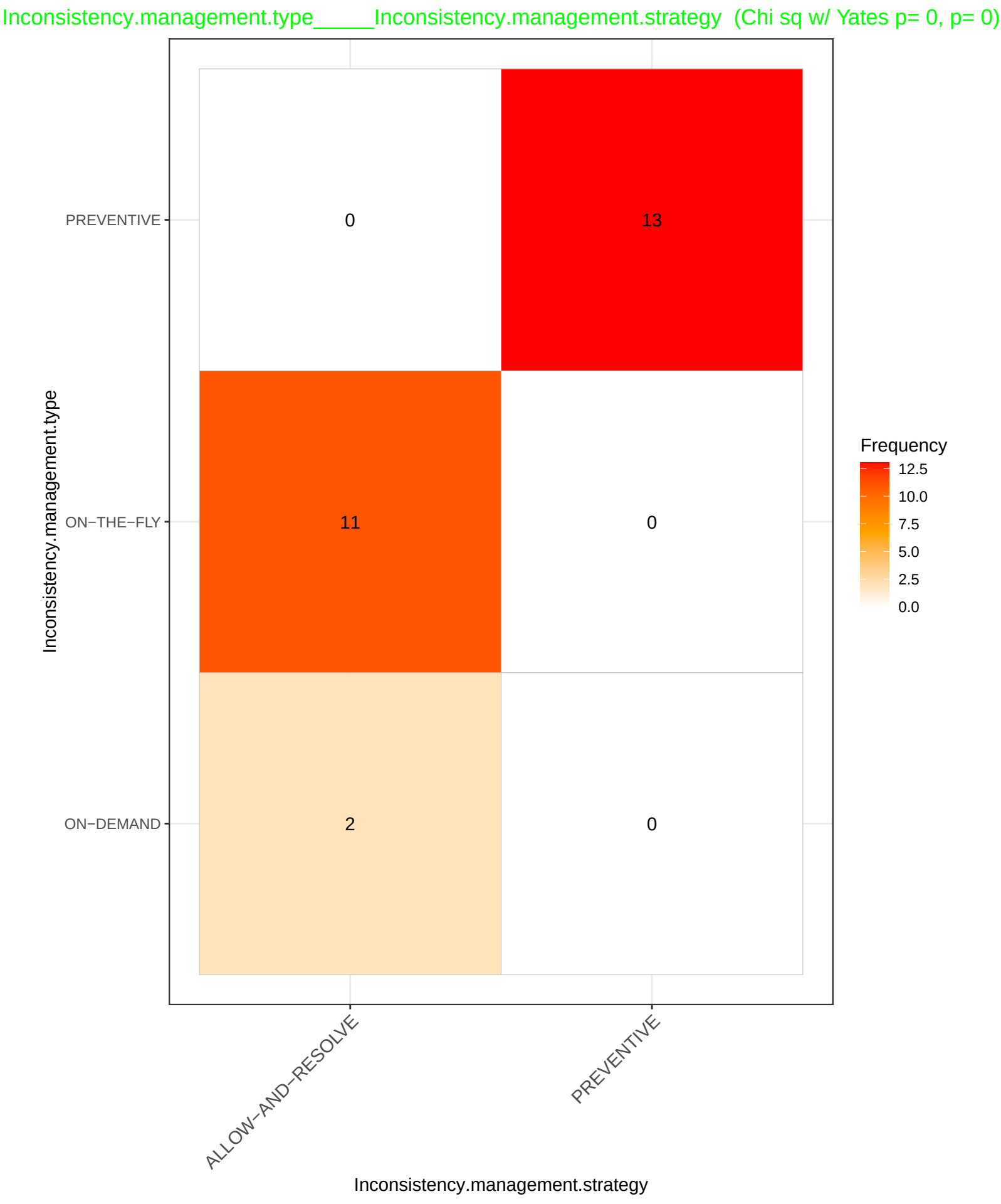

Inconsistency.visualization_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.4921, p= 0.4921)
NO
INTERNAL
EXTERNAL
Inconsistency.visualization
10
5
4
4
1
2
NO
YES
concrete.syntax.count.2.more
Frequency
10.0
7.5
5.0
2.5
0.0

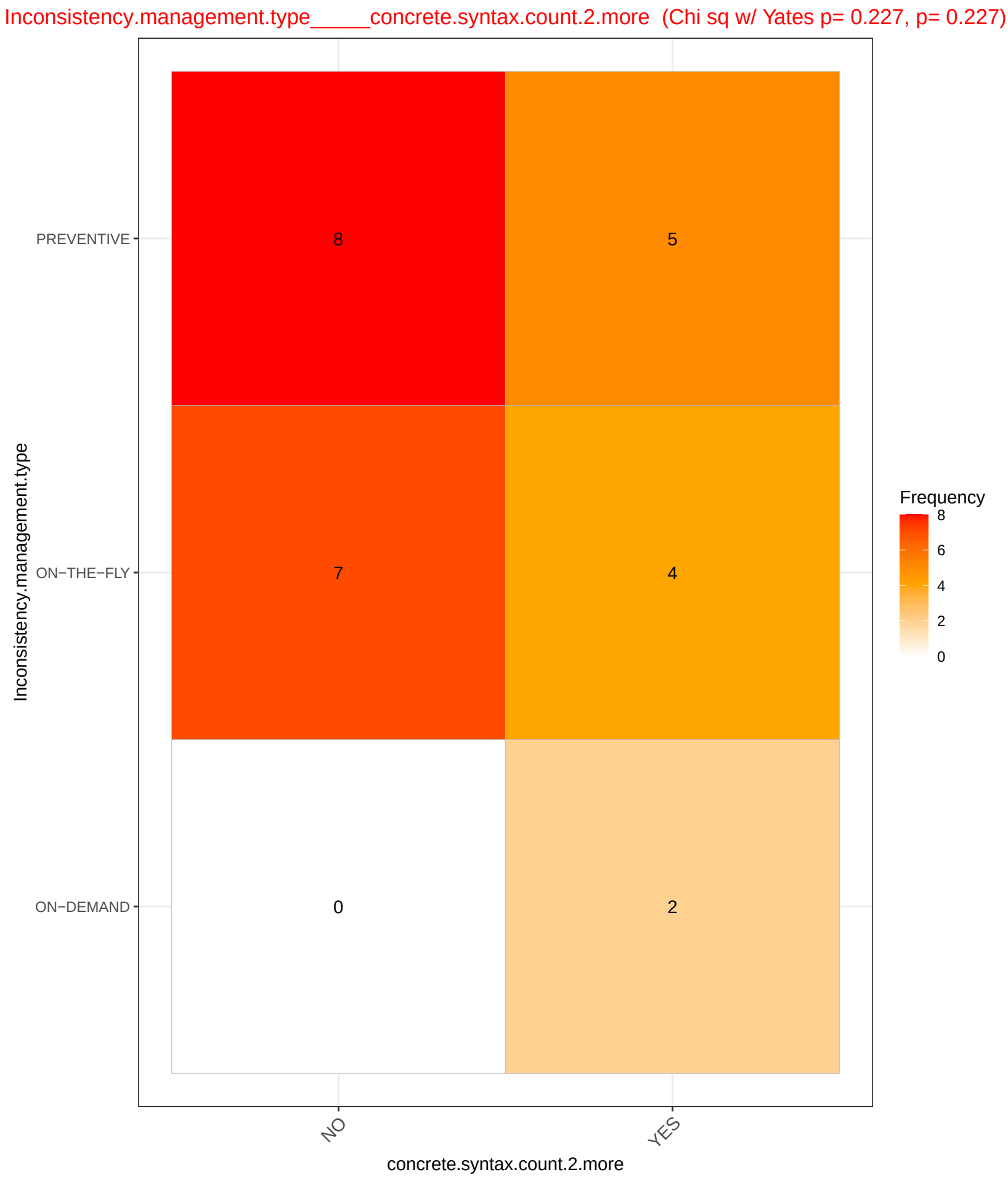

Inconsistency.management.type_____Inconsistency.management.automation (Chi sq w/ Yates p= 0, p= 0)
PREVENTIVE
ON−THE−FLY
ON−DEMAND
Inconsistency.management.type
0
13
0
2
0
9
0
0
2
MANUAL
NOT APPLICABLE
YES
Inconsistency.management.automation
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

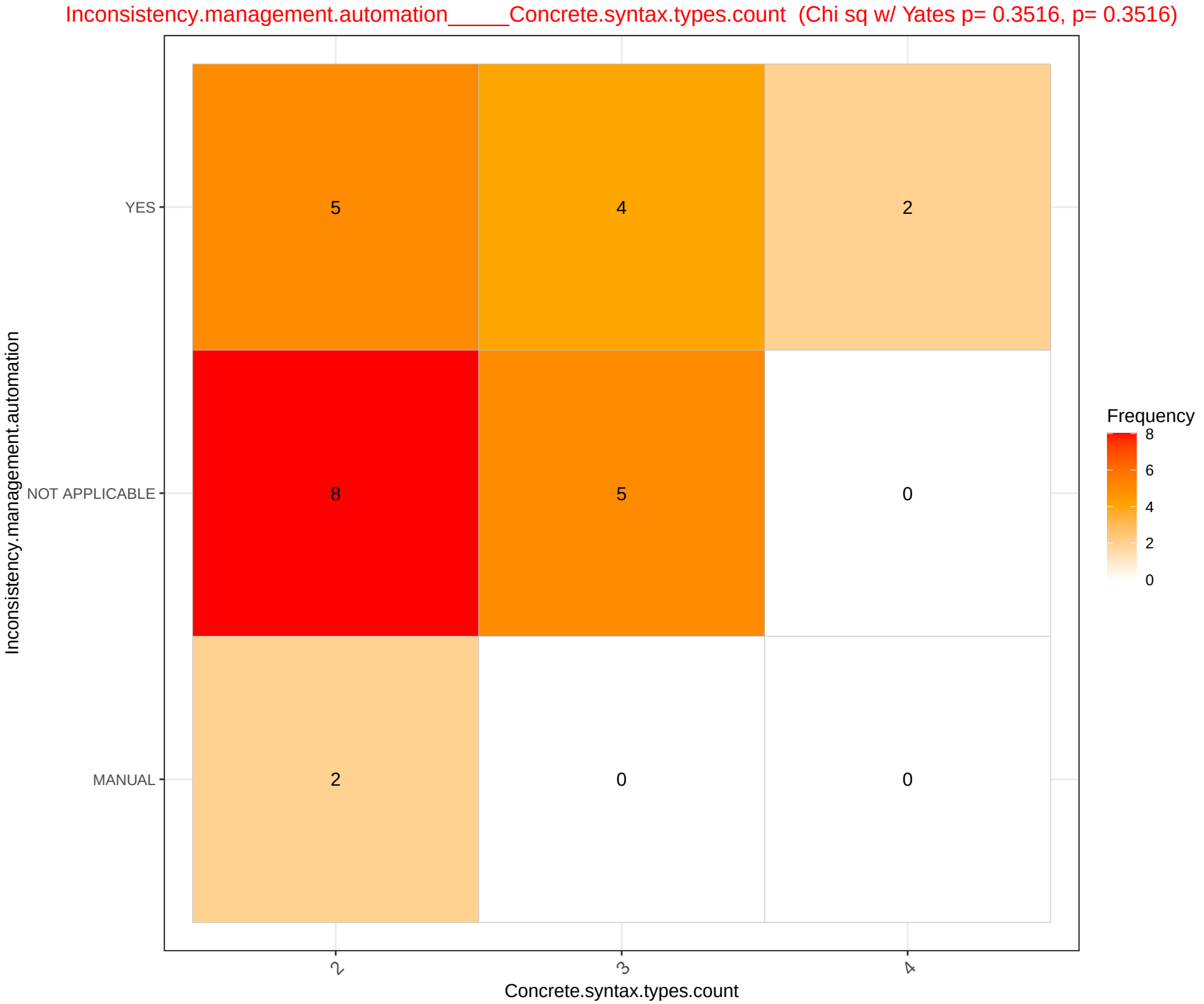

Inconsistency.management.type_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.1178, p= 0.1178)
PREVENTIVE
ON−THE−FLY
ON−DEMAND
Inconsistency.management.type
8
5
0
7
2
2
0
2
0
2
3
4
Concrete.syntax.types.count
Frequency
8
6
4
2
0

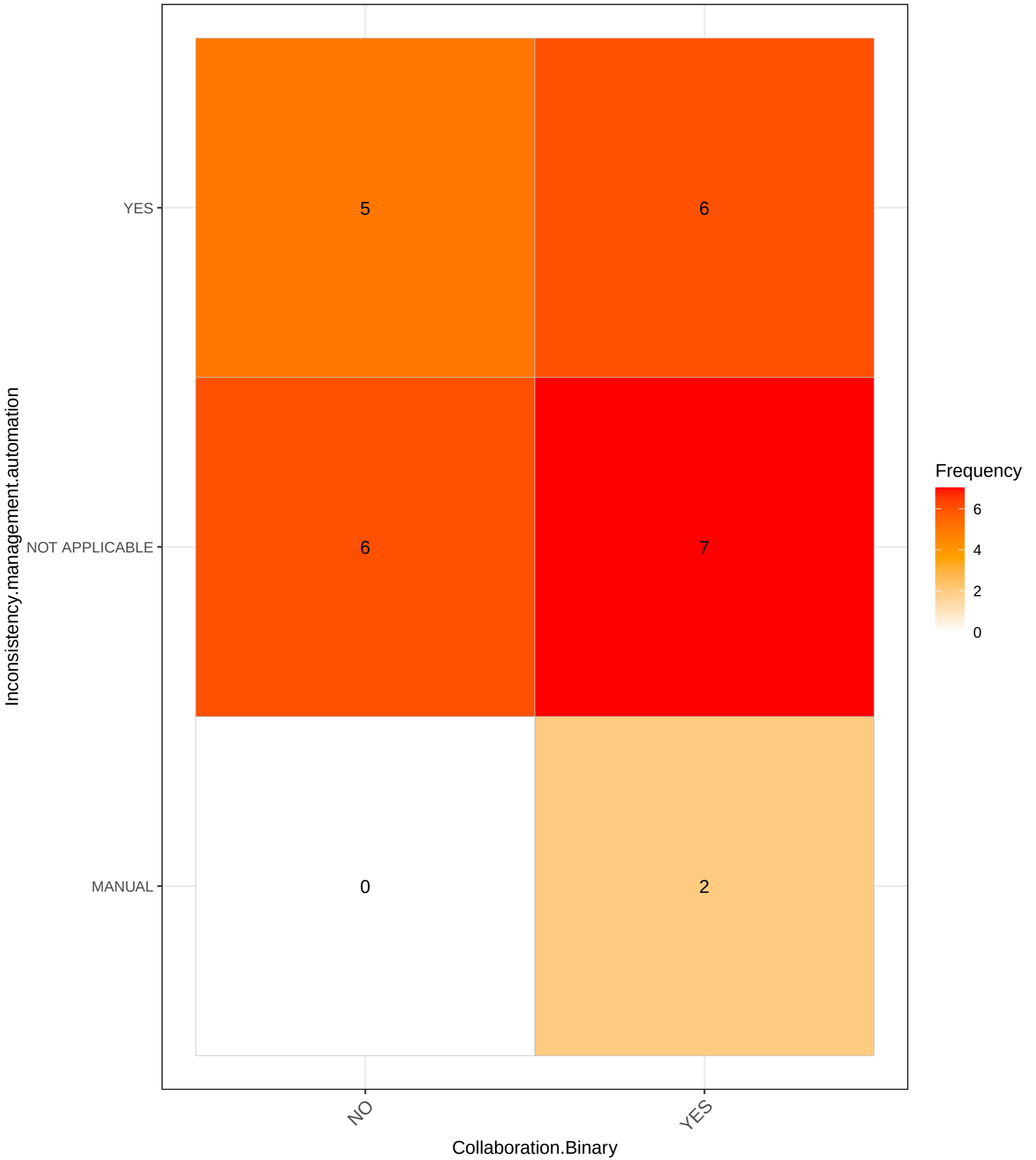

Inconsistency.management.type_____Collaboration.Binary (Chi sq w/ Yates p= 0.8665, p= 0.8665)
PREVENTIVE
ON−THE−FLY
ON−DEMAND
Inconsistency.management.type
6
7
4
7
1
1
NO
YES
Collaboration.Binary
Frequency
6
4
2
0

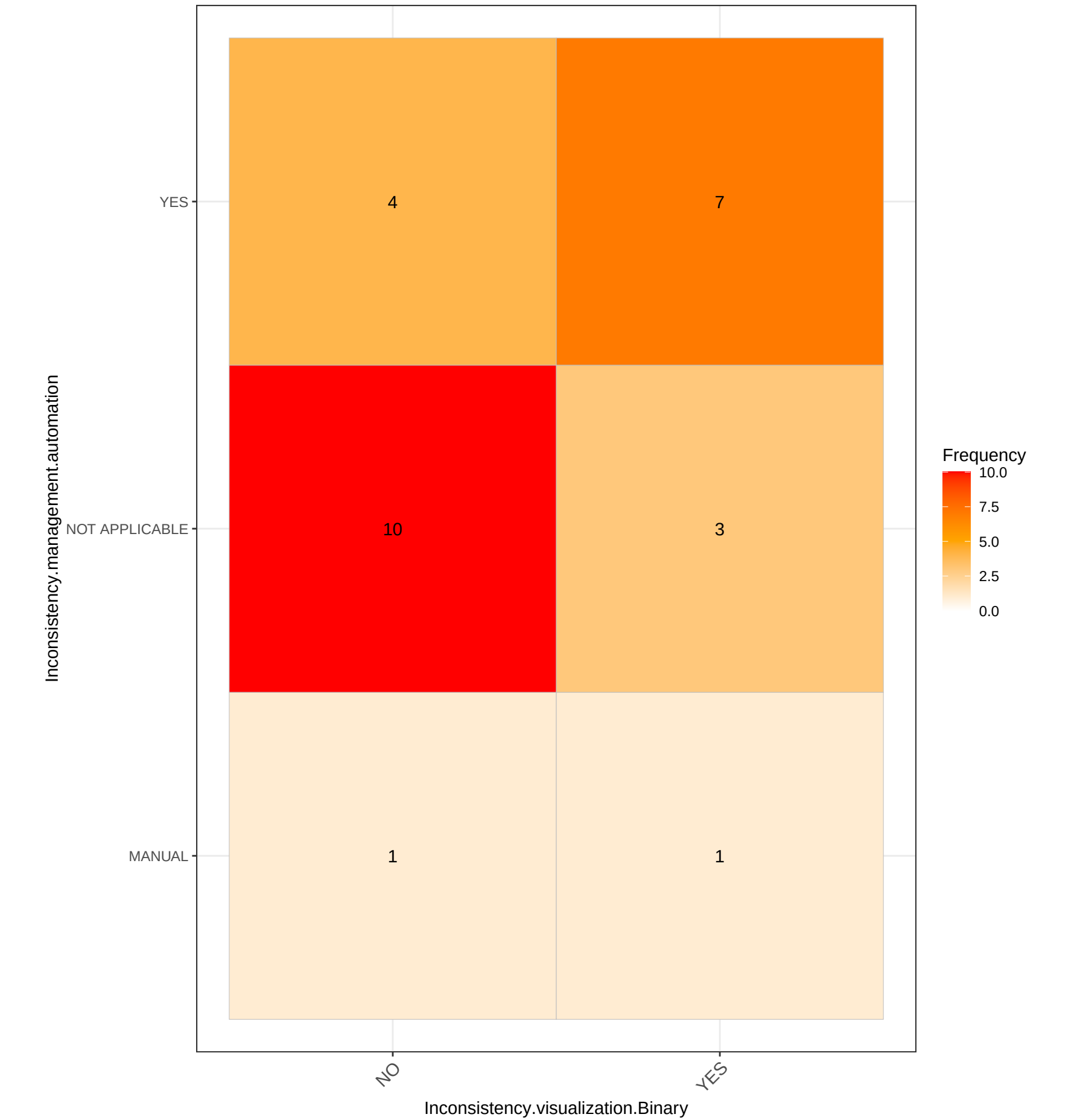

Inconsistency.management.type_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.1308, p= 0.1308)
PREVENTIVE
ON−THE−FLY
ON−DEMAND
Inconsistency.management.type
10
3
4
7
1
1
NO
YES
Inconsistency.visualization.Binary
Frequency
10.0
7.5
5.0
2.5
0.0

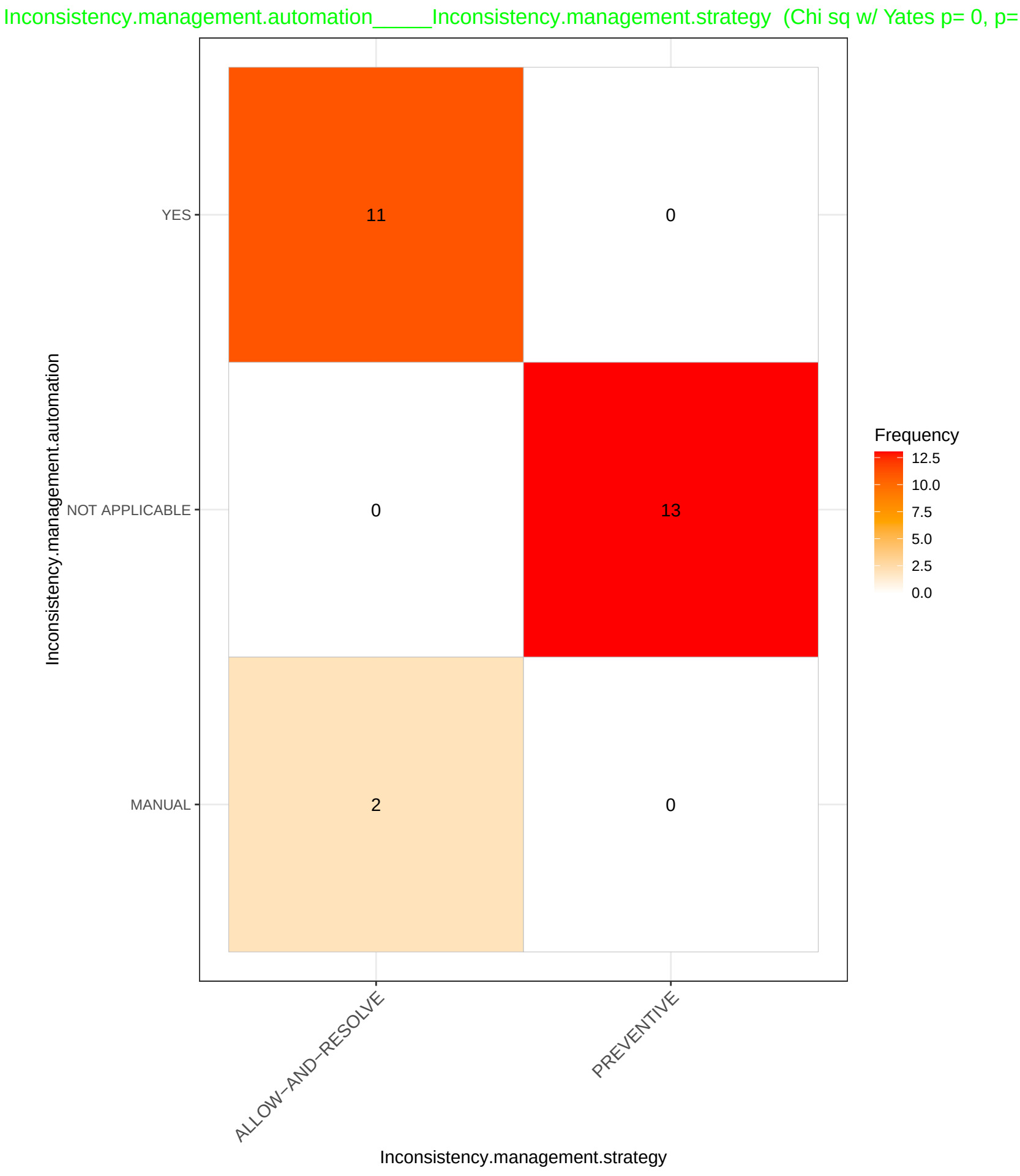

Inconsistency.management.type_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0, p= 0)
PREVENTIVE
ON−THE−FLY
ON−DEMAND
Inconsistency.management.type
0
13
11
0
2
0
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy
Frequency
12.5
10.0
7.5
5.0
2.5
0.0


Inconsistency.management.type_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.227, p= 0.227)
PREVENTIVE
ON−THE−FLY
ON−DEMAND
Inconsistency.management.type
8
5
7
4
0
2
NO
YES
concrete.syntax.count.2.more
Frequency
8
6
4
2
0

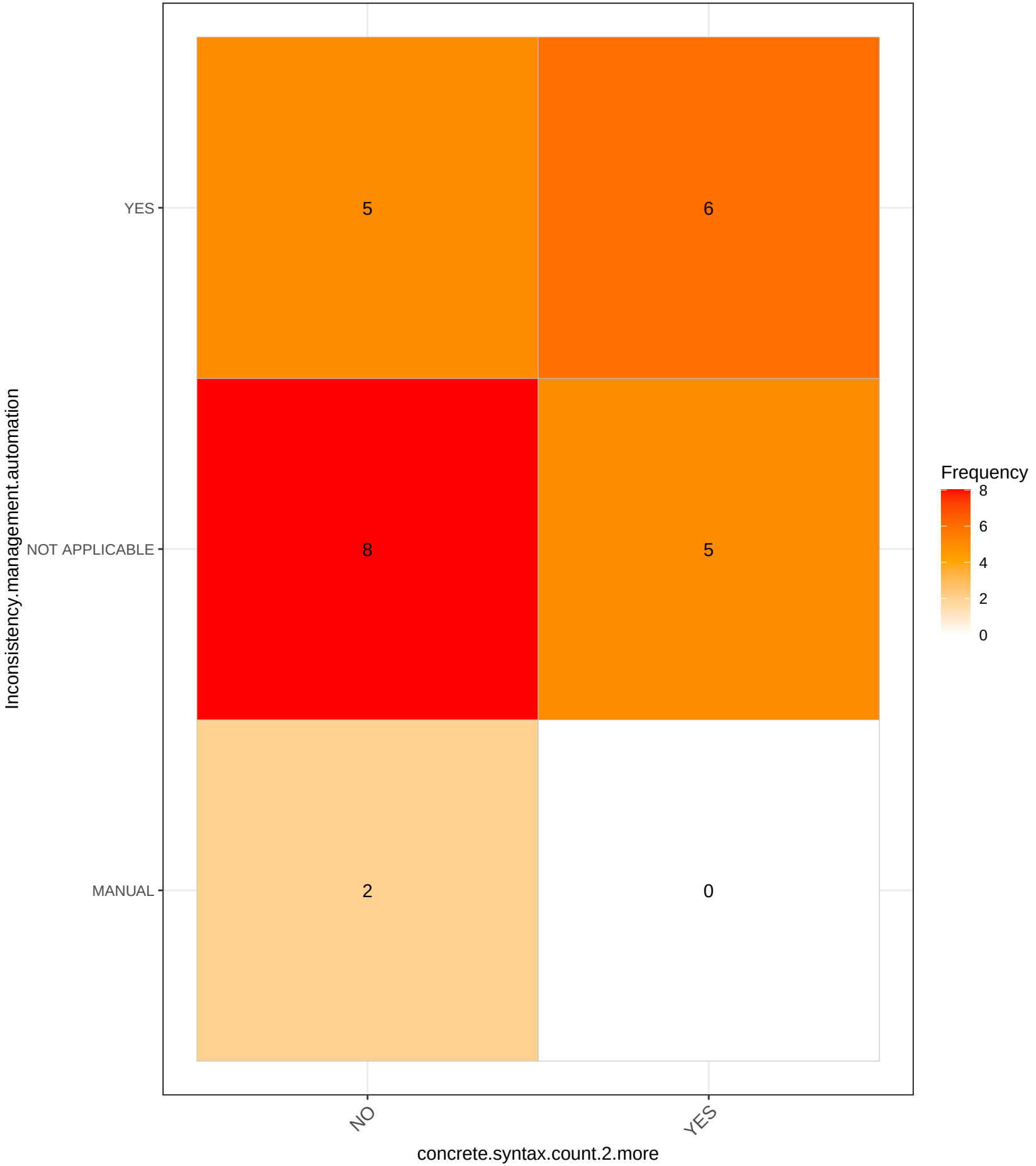

Inconsistency.management.automation_____Concrete.syntax.types.count (Chi sq w/ Yates p= 0.3516, p= 0.3516)
YES
NOT APPLICABLE
MANUAL
5
4
2
8
5
0
2
0
0
Inconsistency.management.automation
2
3
4
Concrete.syntax.types.count
Frequency
8
6
4
2
0

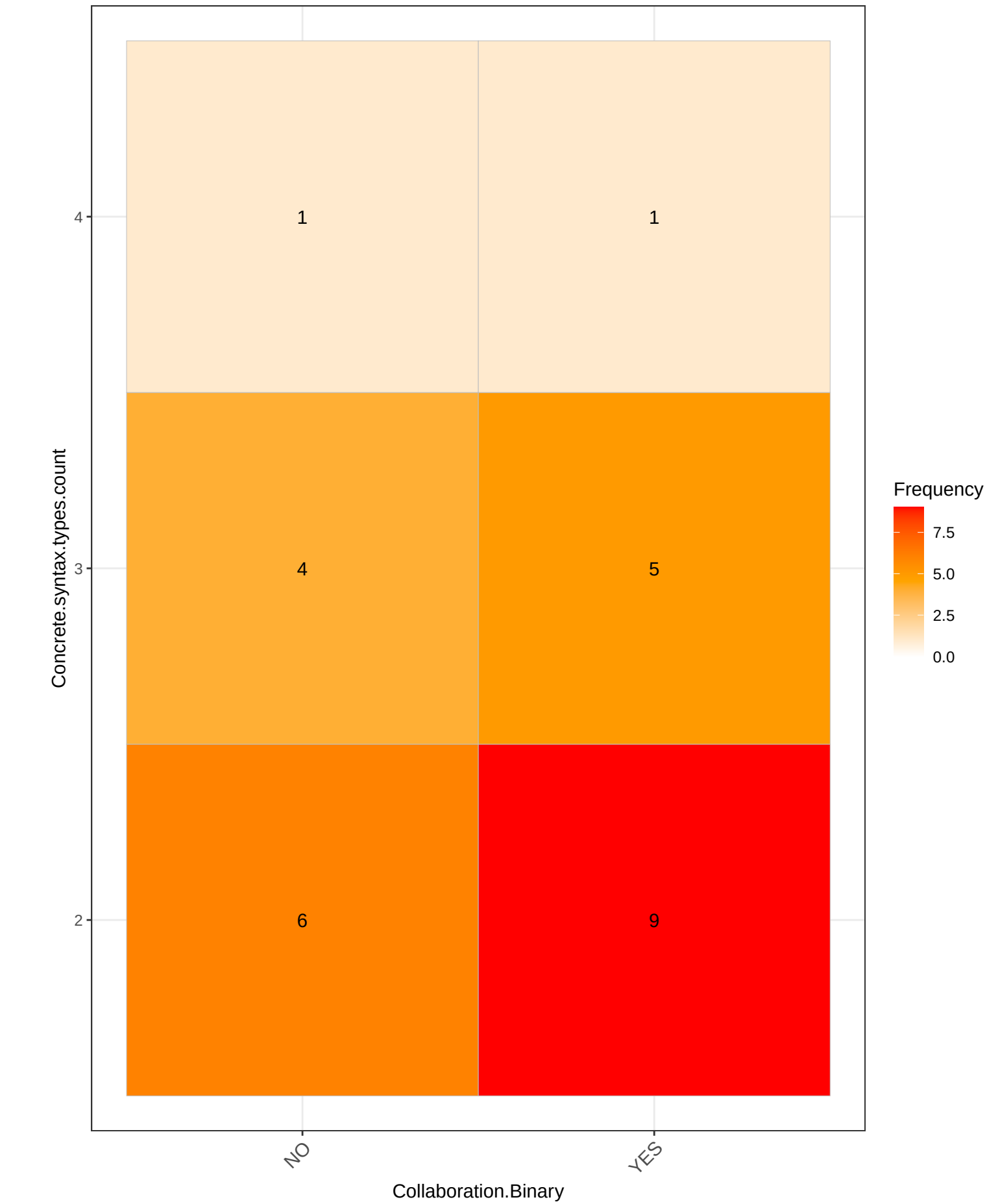

Inconsistency.management.automation_____Collaboration.Binary (Chi sq w/ Yates p= 0.4516, p= 0.4516)
YES
NOT APPLICABLE
MANUAL
5
6
6
7
0
2
NO
YES
Collaboration.Binary
Inconsistency.management.automation
Frequency
6
4
2
0


Inconsistency.management.automation_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.1308, p= 0.1308)
YES
NOT APPLICABLE
MANUAL
4
7
10
3
1
1
NO
YES
Inconsistency.management.automation
Inconsistency.visualization.Binary
Frequency
10.0
7.5
5.0
2.5
0.0

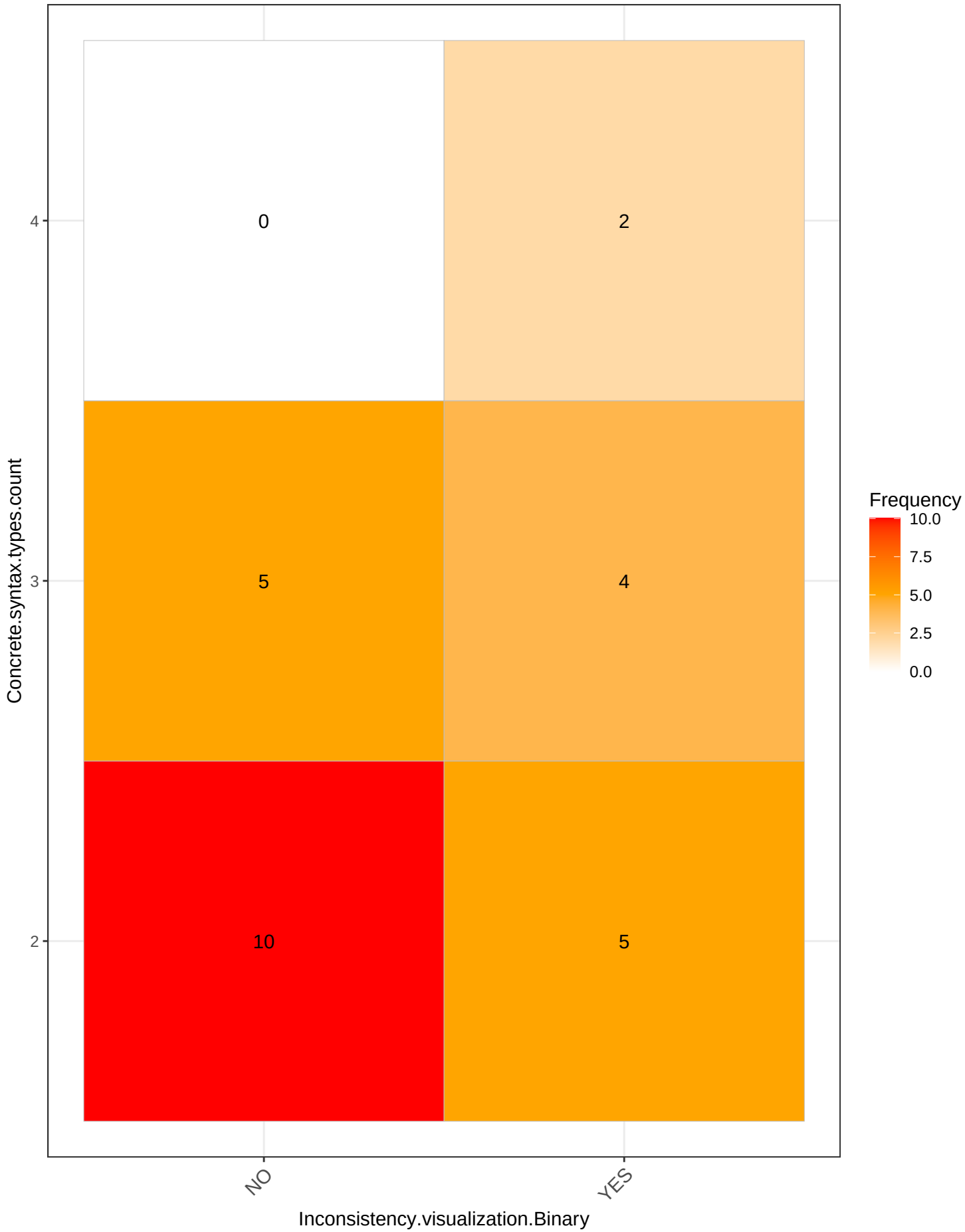

Inconsistency.management.automation_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0, p= 0)
YES
NOT APPLICABLE
MANUAL
11
0
0
13
2
0
Inconsistency.management.automation
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy
Frequency
12.5
10.0
7.5
5.0
2.5
0.0

Inconsistency.management.automation_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.3295, p= 0.3295)

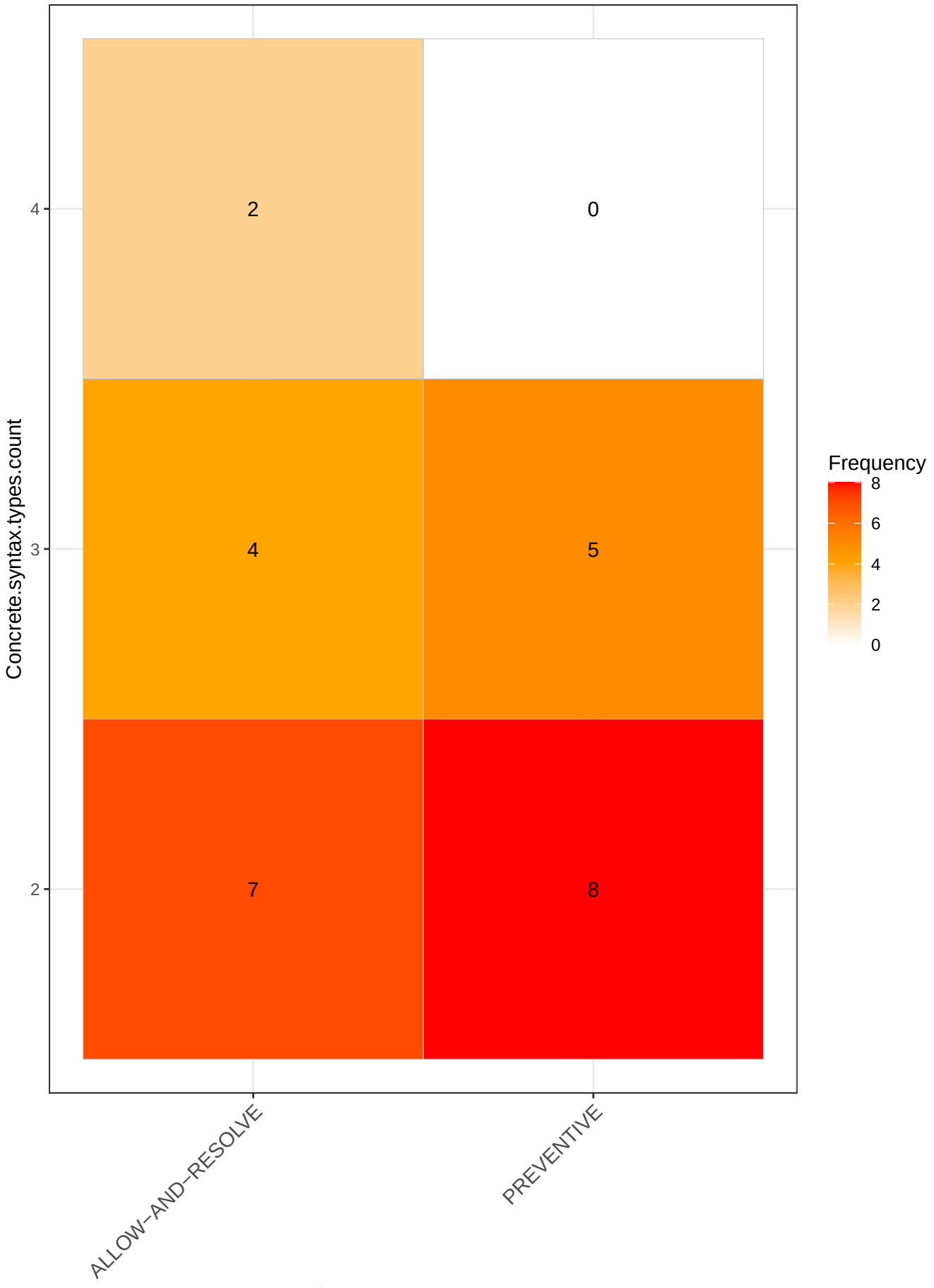


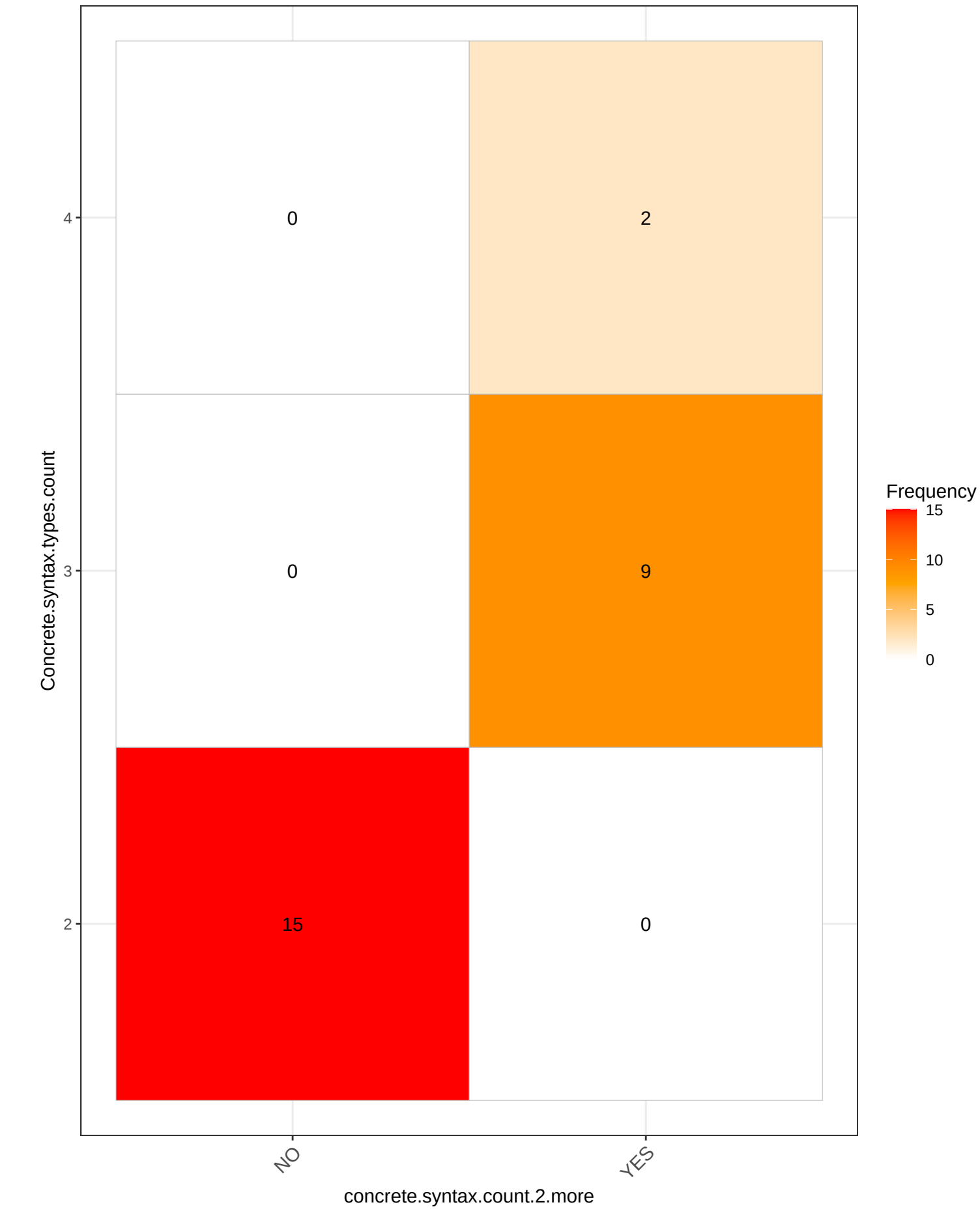

Concrete.syntax.types.count_____Collaboration.Binary (Chi sq w/ Yates p= 0.9522, p= 0.9522)
Concrete.syntax.types.count
4
3
2
1
1
4
5
6
9
NO
YES
Collaboration.Binary
Frequency
7.5
5.0
2.5
0.0

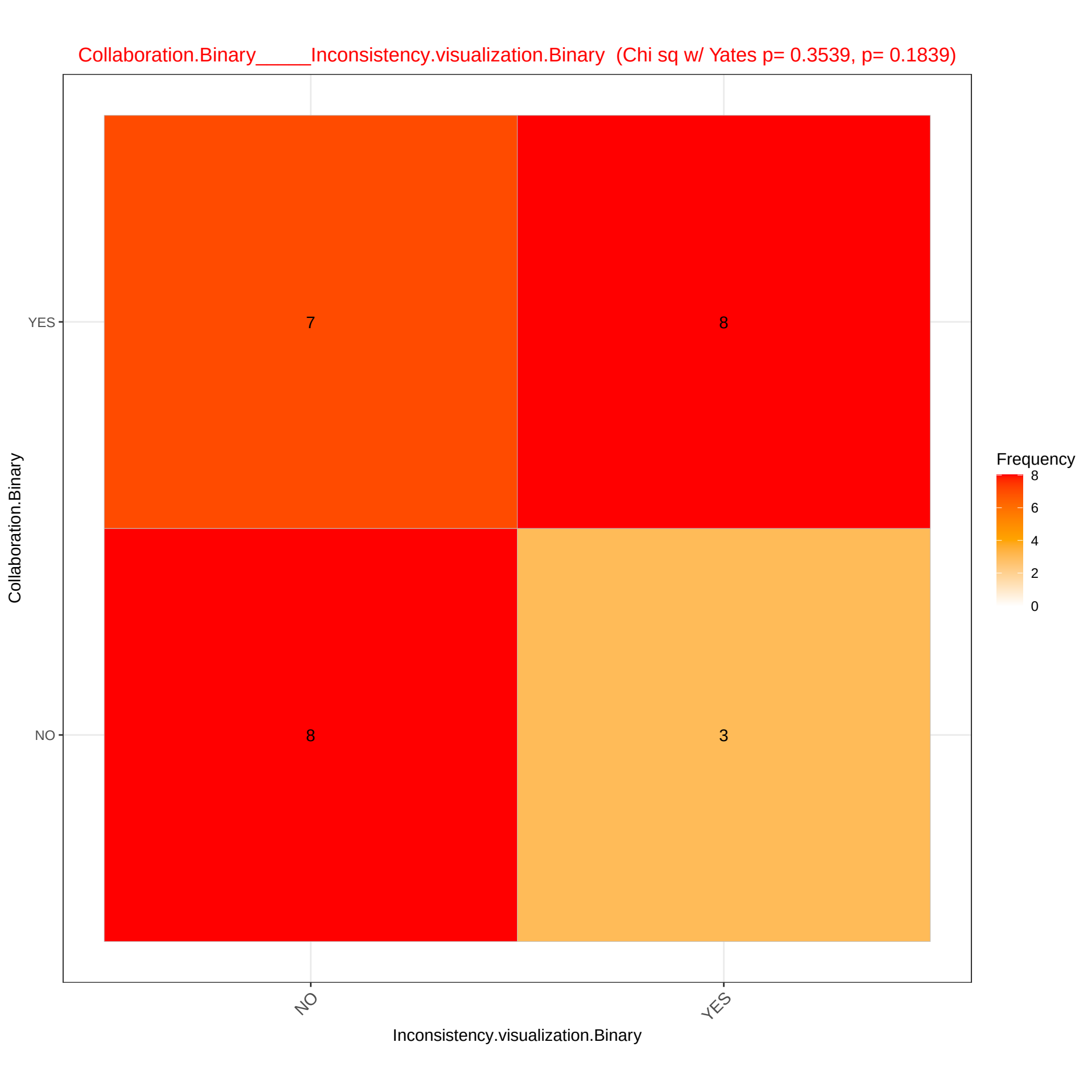
Concrete.syntax.types.count_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.198, p= 0.198)

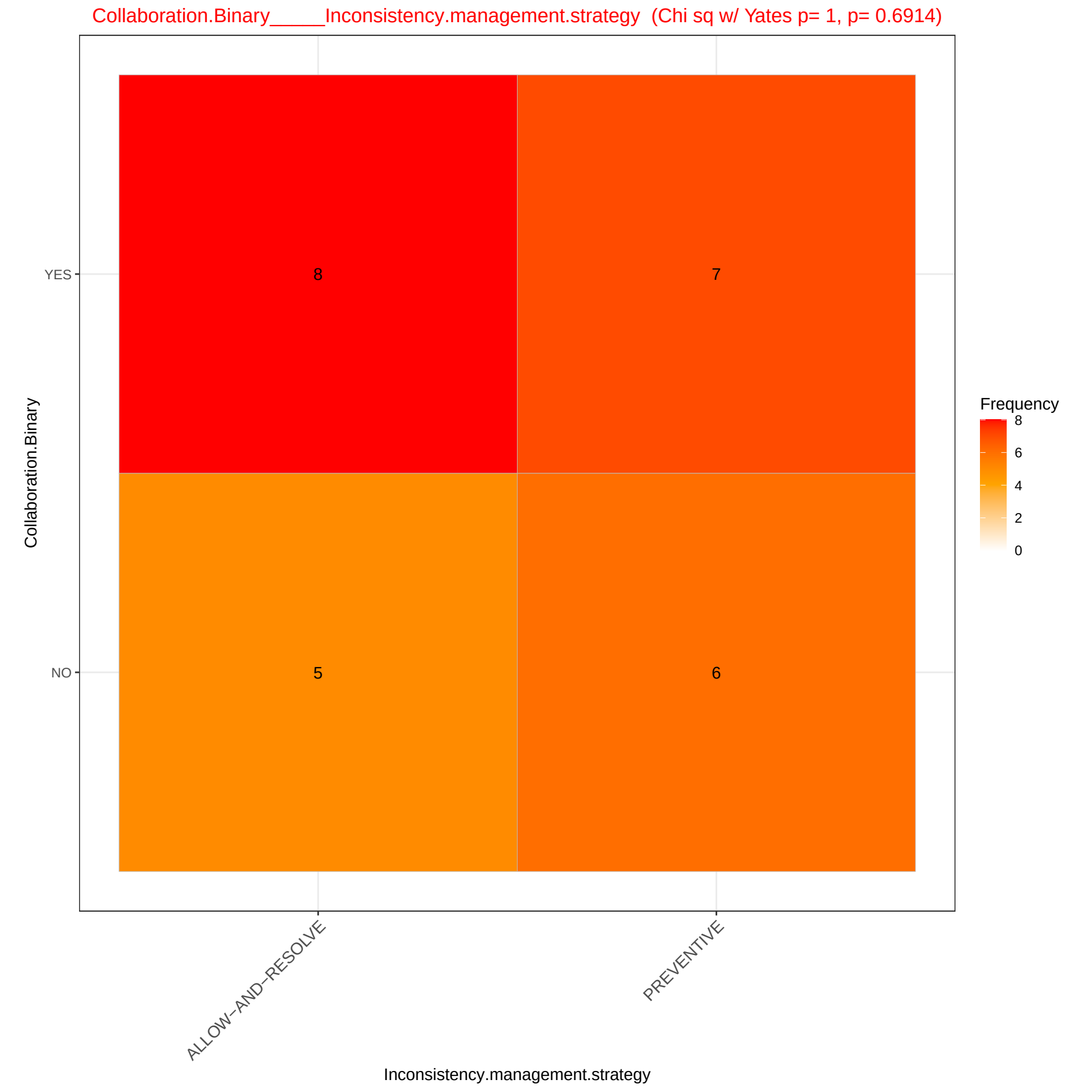


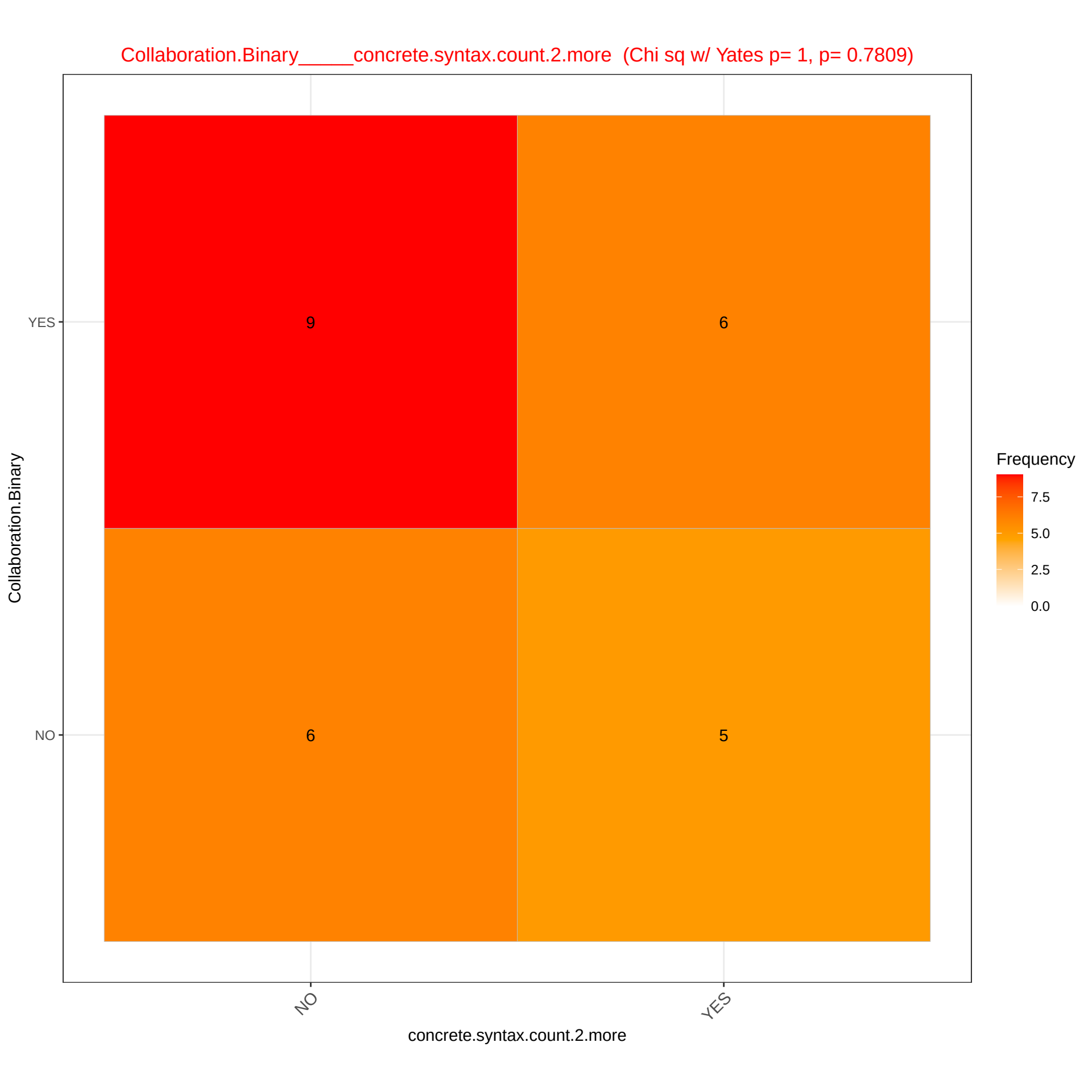
Concrete.syntax.types.count_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.3366, p= 0.3366)

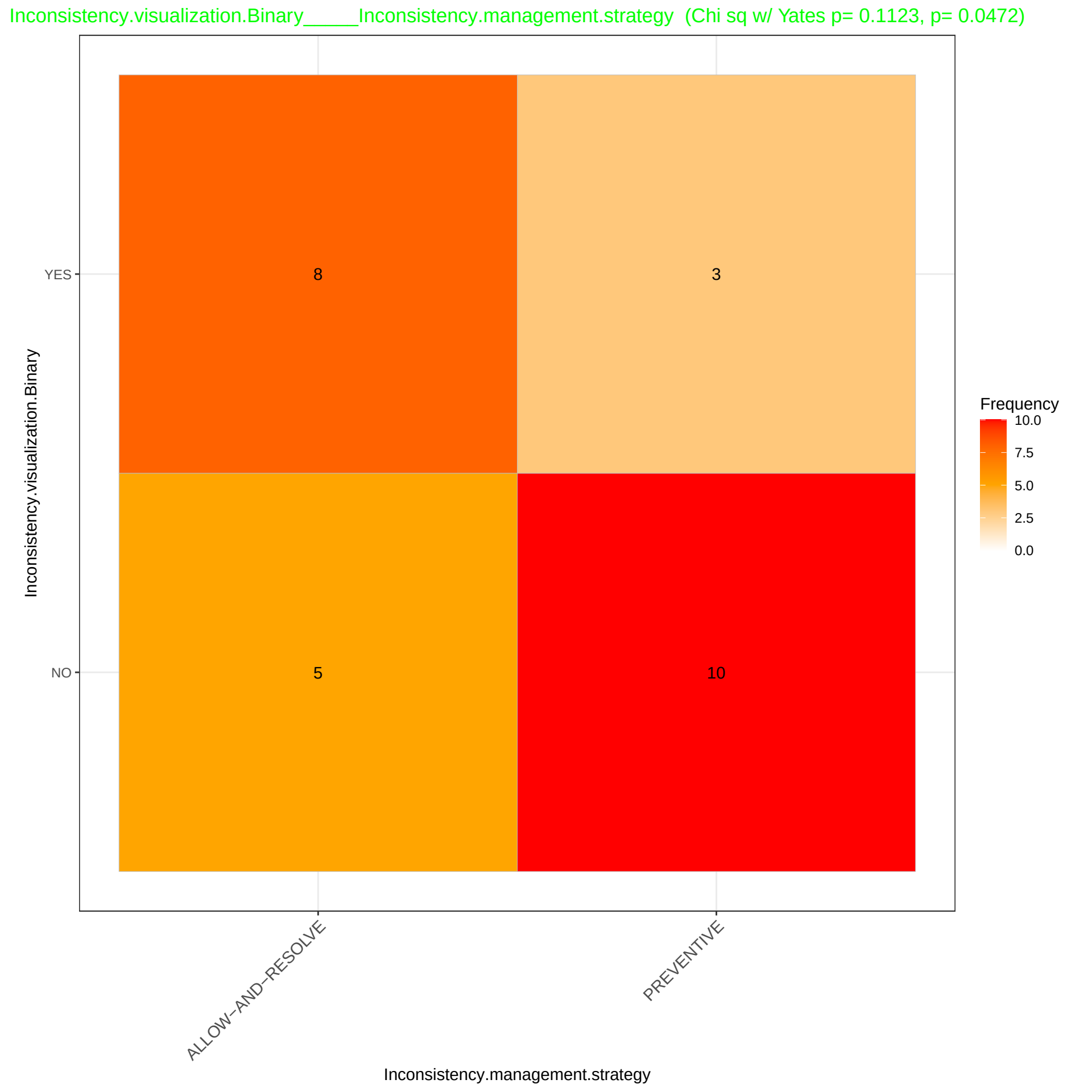


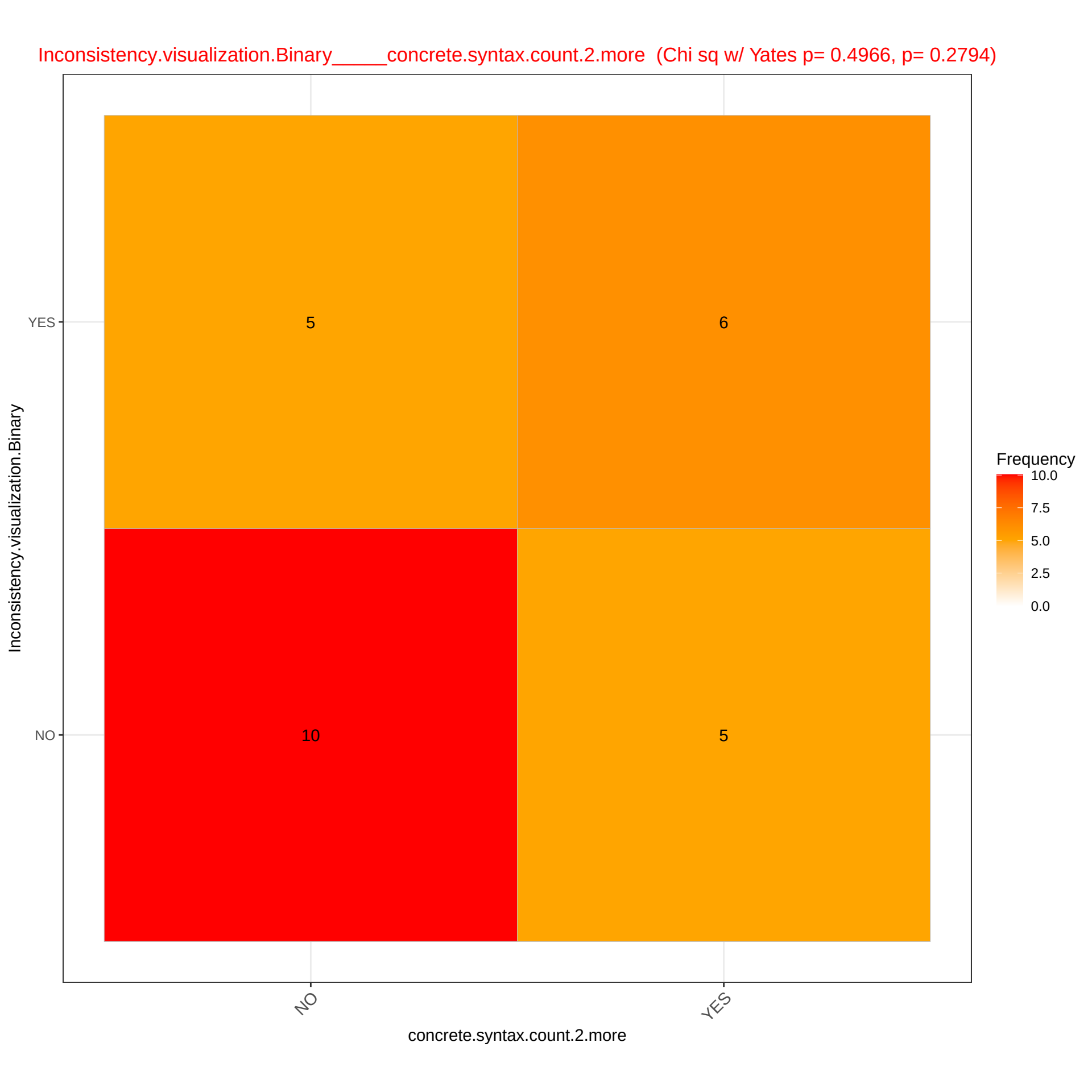

Concrete.syntax.types.count_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0, p= 0)
Concrete.syntax.types.count
4
3
2
0
2
0
9
15
0
NO
YES
concrete.syntax.count.2.more
Frequency
15
10
5
0

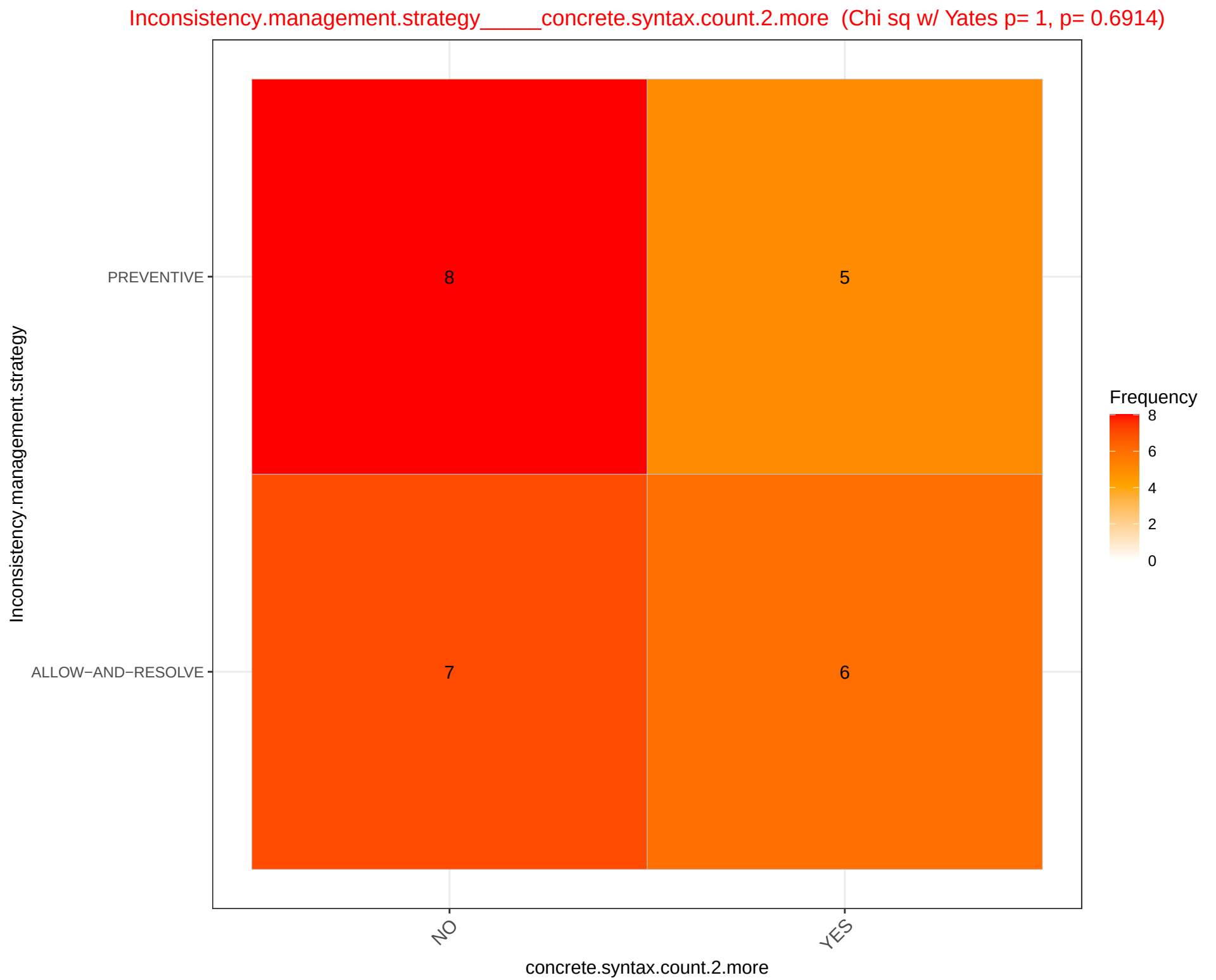

Collaboration.Binary_____Inconsistency.visualization.Binary (Chi sq w/ Yates p= 0.3539, p= 0.1839)
YES
NO
7
8
8
3
Collaboration.Binary
NO
YES
Inconsistency.visualization.Binary
Frequency
8
6
4
2
0


Collaboration.Binary_____Inconsistency.management.strategy (Chi sq w/ Yates p= 1, p= 0.6914)
YES
NO
8
7
5
6
Collaboration.Binary
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy
Frequency
8
6
4
2
0


Collaboration.Binary_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 1, p= 0.7809)
YES
NO
9
6
6
5
Collaboration.Binary
NO
YES
concrete.syntax.count.2.more
Frequency
7.5
5.0
2.5
0.0


Inconsistency.visualization.Binary_____Inconsistency.management.strategy (Chi sq w/ Yates p= 0.1123, p= 0.0472)
YES
NO
8
3
5
10
Inconsistency.visualization.Binary
Frequency
10.0
7.5
5.0
2.5
0.0
ALLOW−AND−RESOLVE
PREVENTIVE
Inconsistency.management.strategy


Inconsistency.visualization.Binary_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 0.4966, p= 0.2794)
YES
NO
5
6
10
5
Inconsistency.visualization.Binary
NO
YES
concrete.syntax.count.2.more
Frequency
10.0
7.5
5.0
2.5
0.0


Inconsistency.management.strategy_____concrete.syntax.count.2.more (Chi sq w/ Yates p= 1, p= 0.6914)
PREVENTIVE
ALLOW−AND−RESOLVE
Inconsistency.management.strategy
8
5
7
6
NO
YES
concrete.syntax.count.2.more
Frequency
8
6
4
2
0