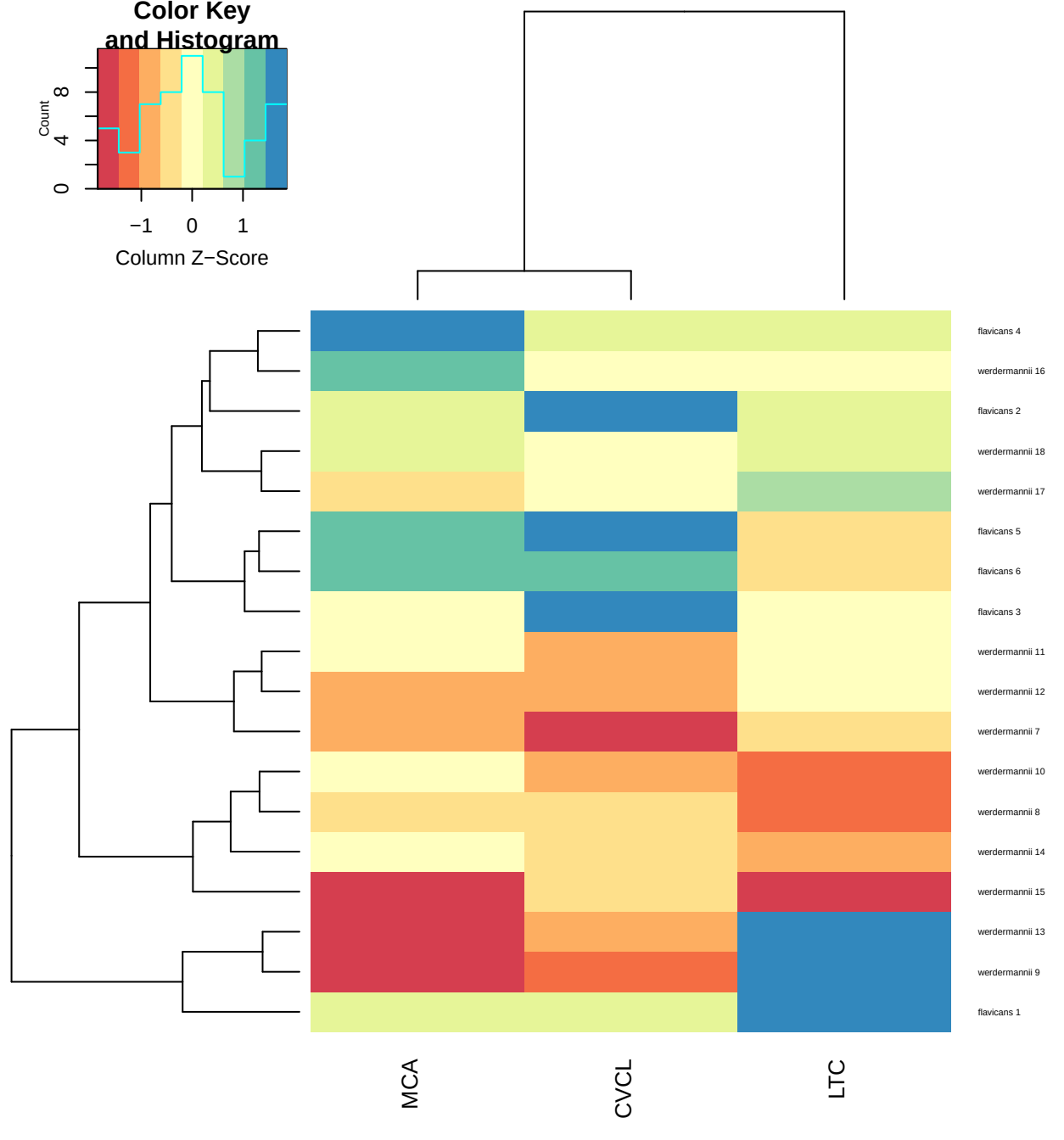
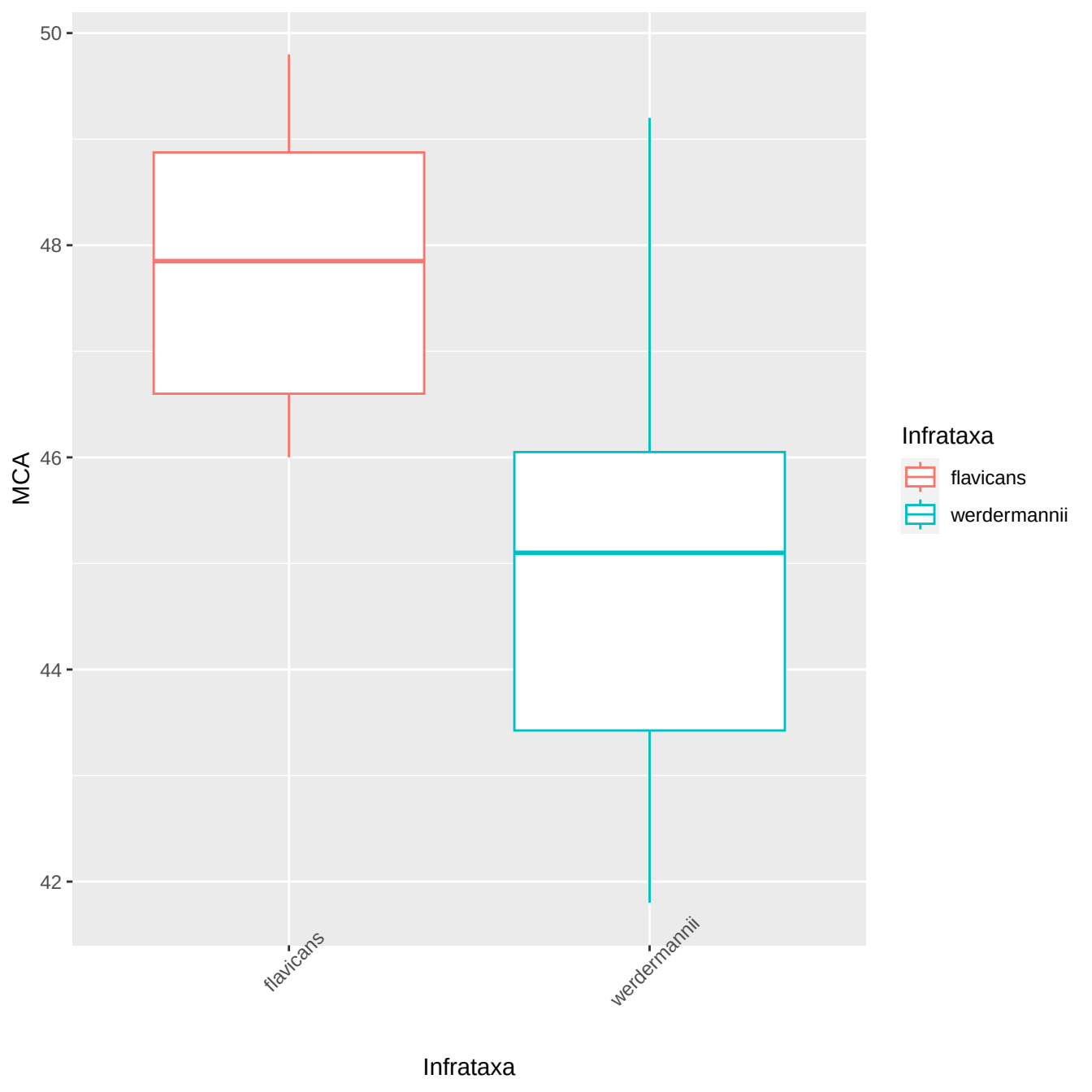
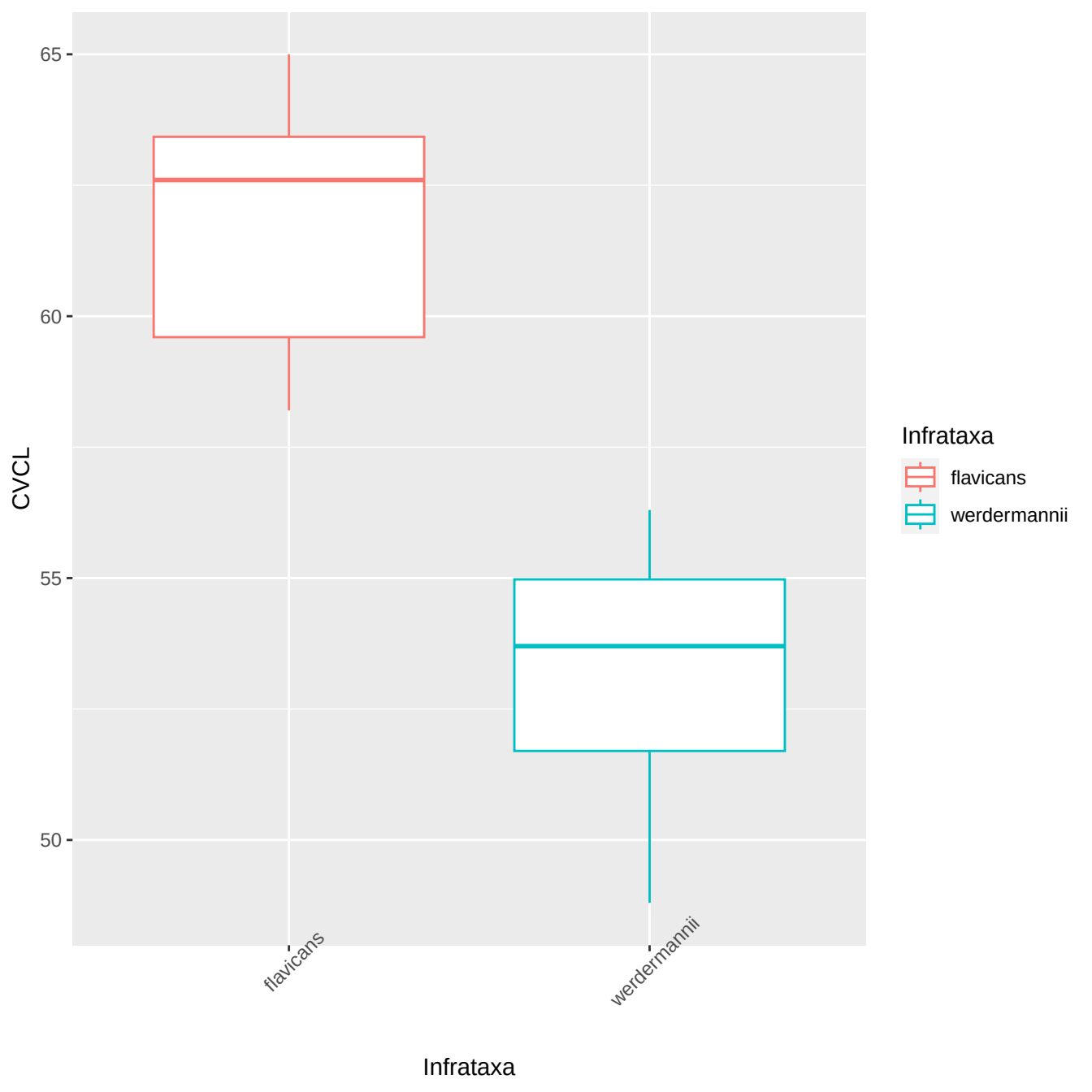
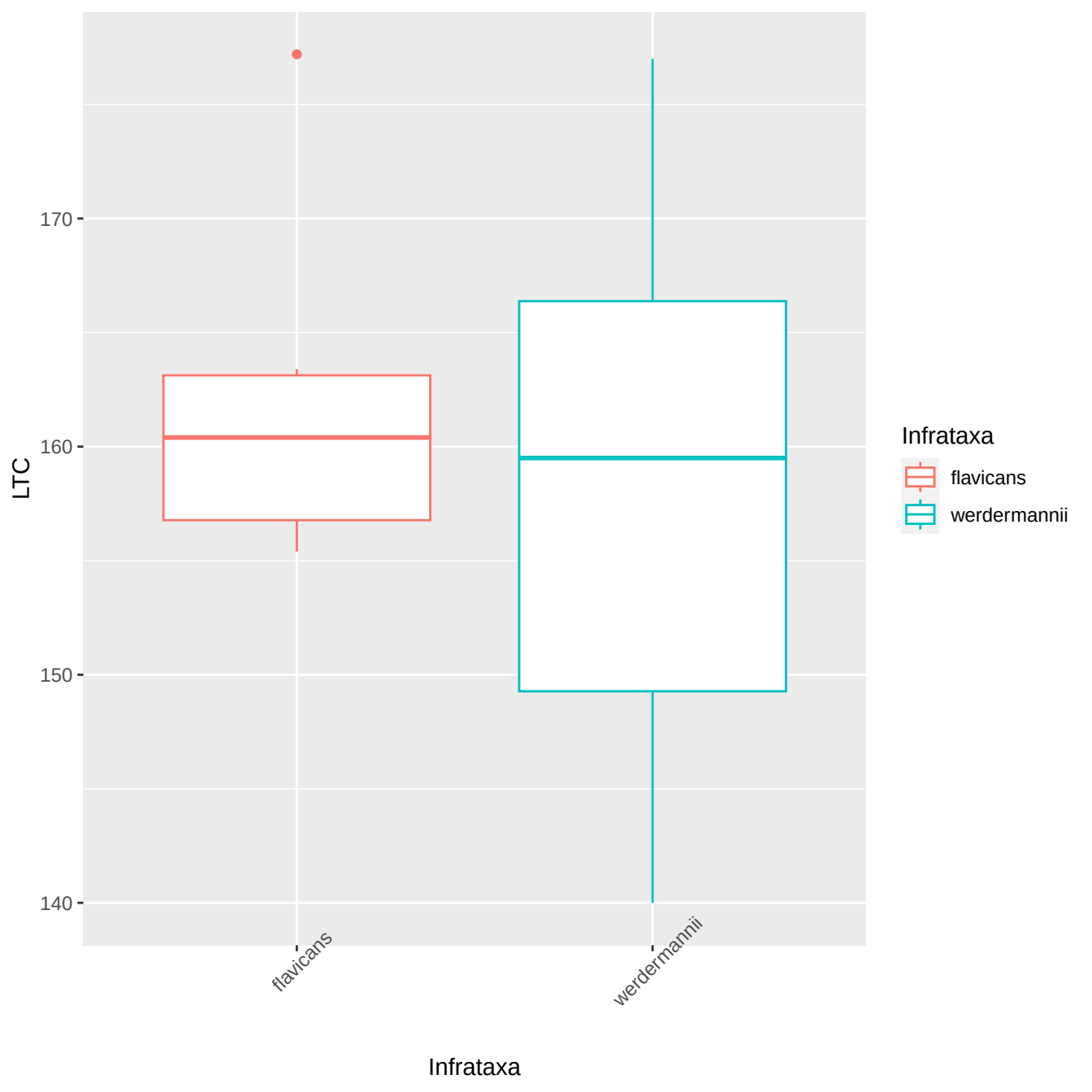
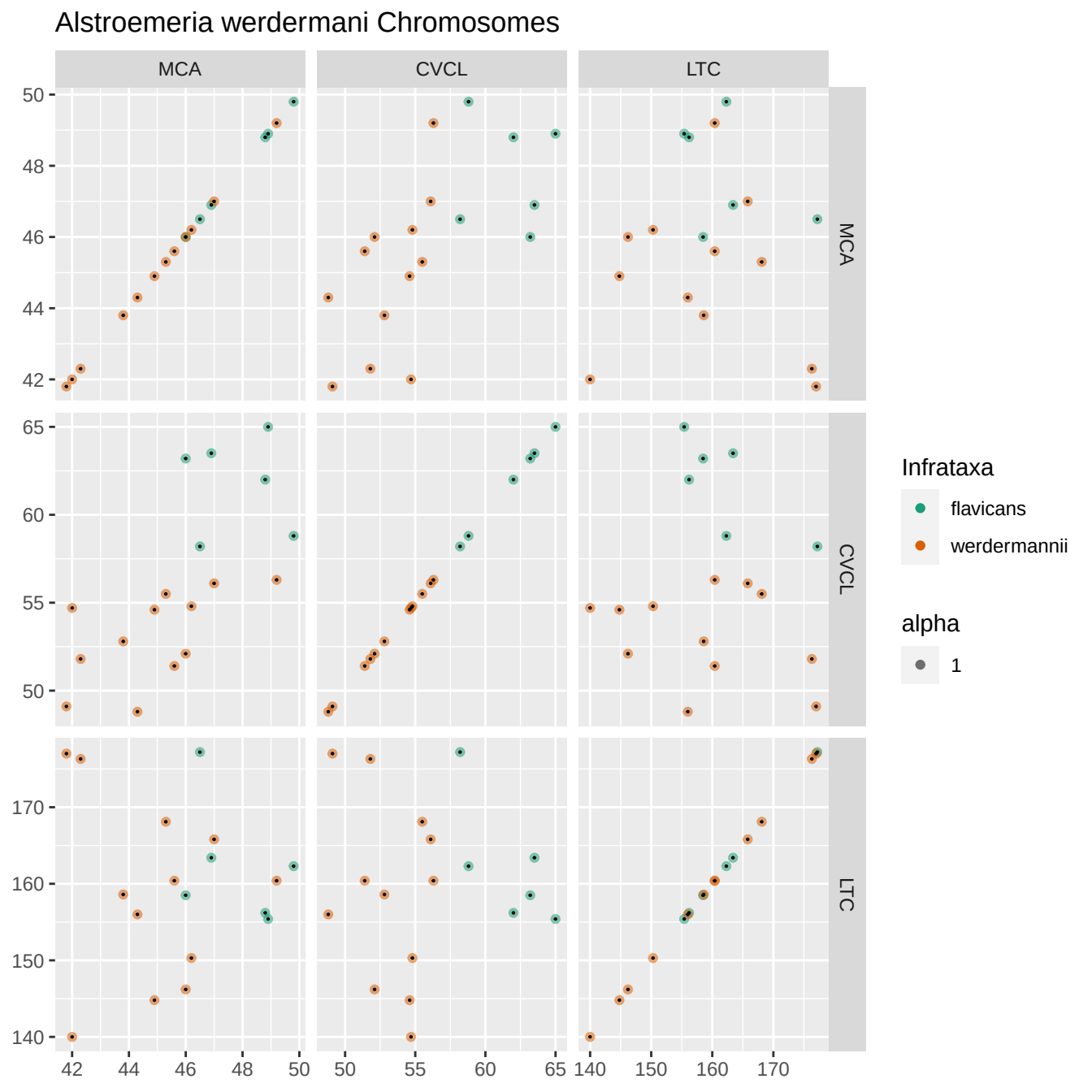
Set3
Set2
Set1
Pastel2
Pastel1
Paired
Dark2
Accent

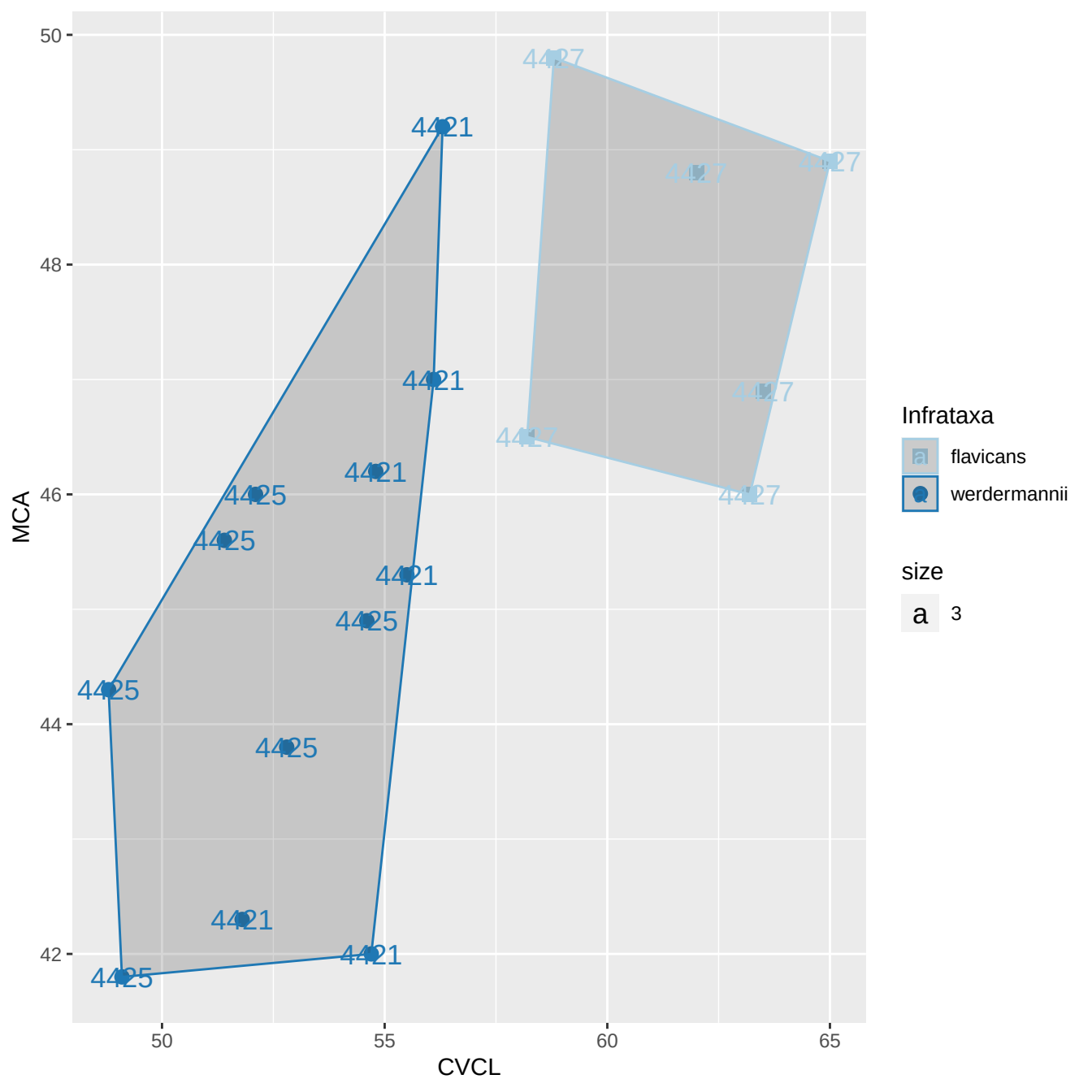

Color Key
and Histogram
Count
0
4
8
−1
0
1
Column Z−Score
flavicans 4
werdermannii 16
flavicans 2
werdermannii 18
werdermannii 17
flavicans 5
flavicans 6
flavicans 3
werdermannii 11
werdermannii 12
werdermannii 7
werdermannii 10
werdermannii 8
werdermannii 14
werdermannii 15
werdermannii 13
werdermannii 9
flavicans 1
MCA
CVCL
LTC

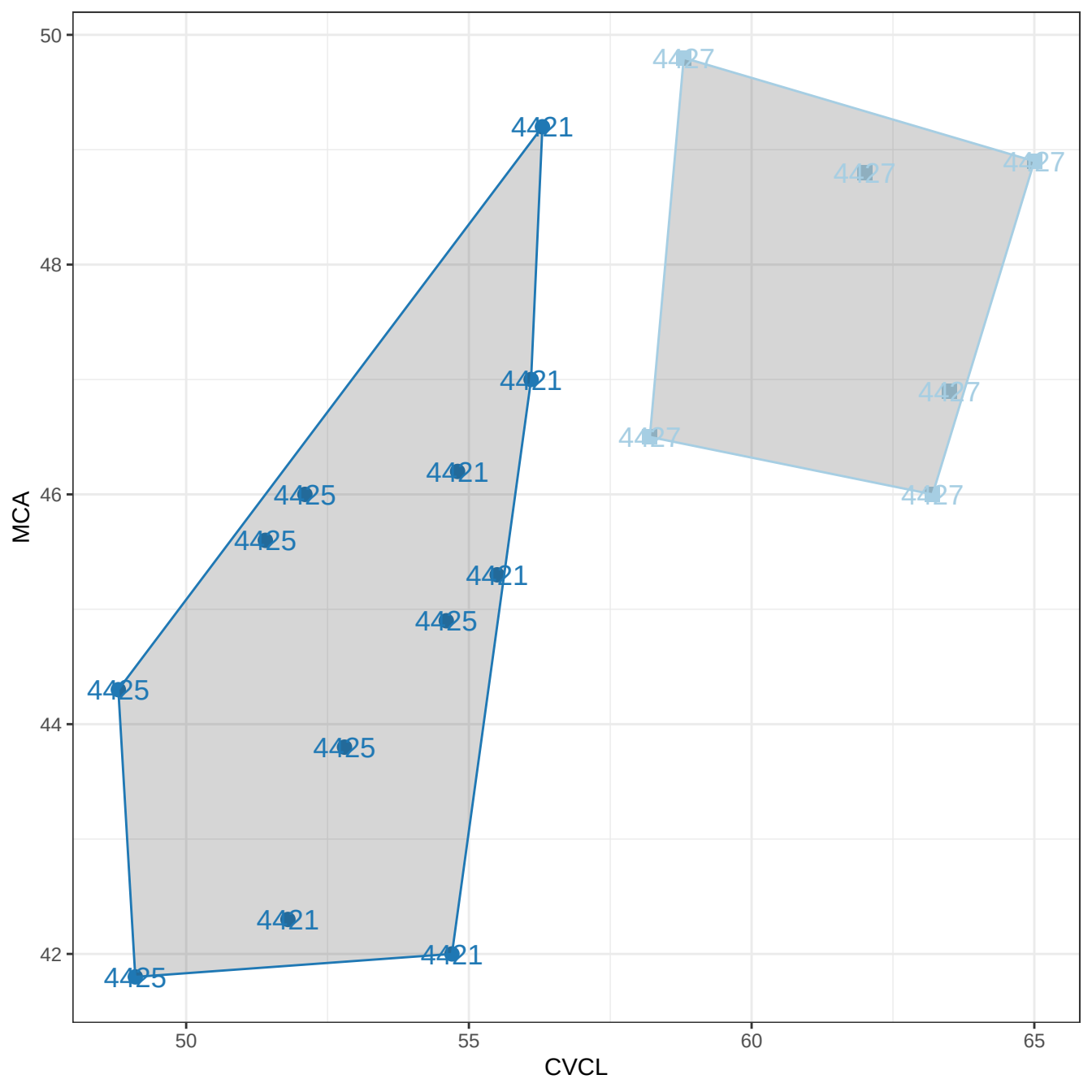

50
48
46
44
42
MCA
flavicans
werdermannii
Infrataxa
Infrataxa
flavicans
werdermannii

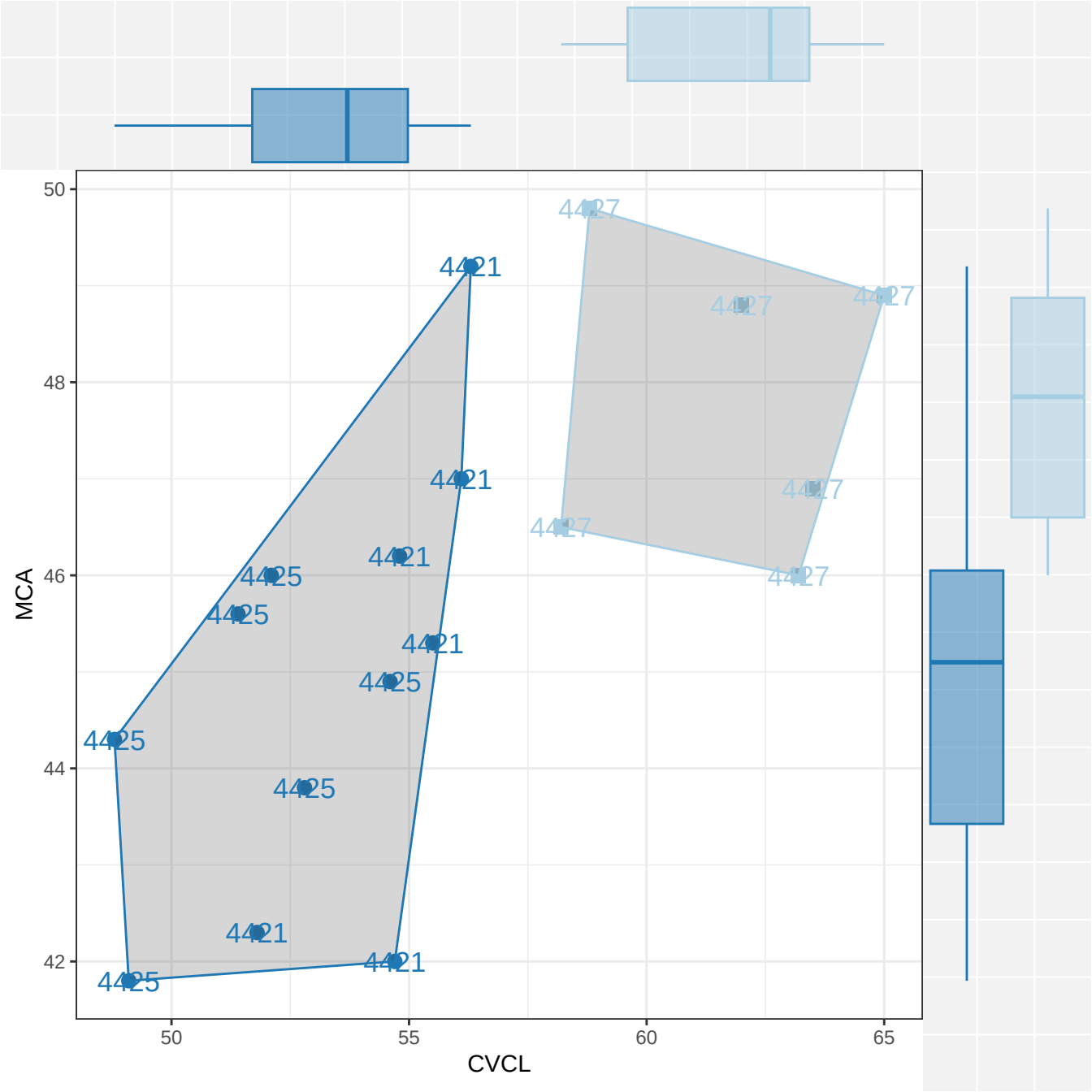

65
60
55
50
CVCL
flavicans
werdermannii
Infrataxa
Infrataxa
flavicans
werdermannii

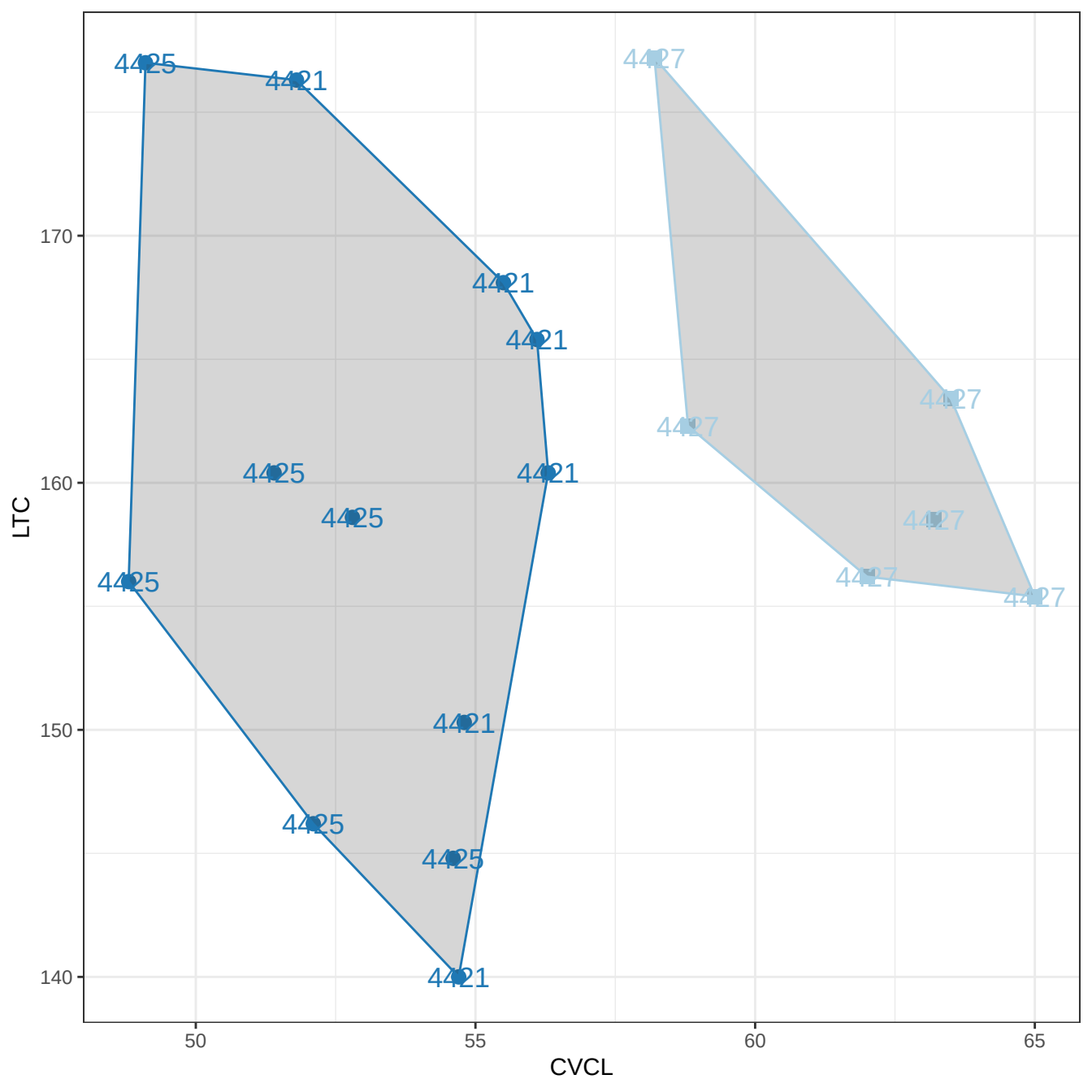

LTC
170
160
150
140
flavicans
werdermannii
Infrataxa
Infrataxa
flavicans
werdermannii

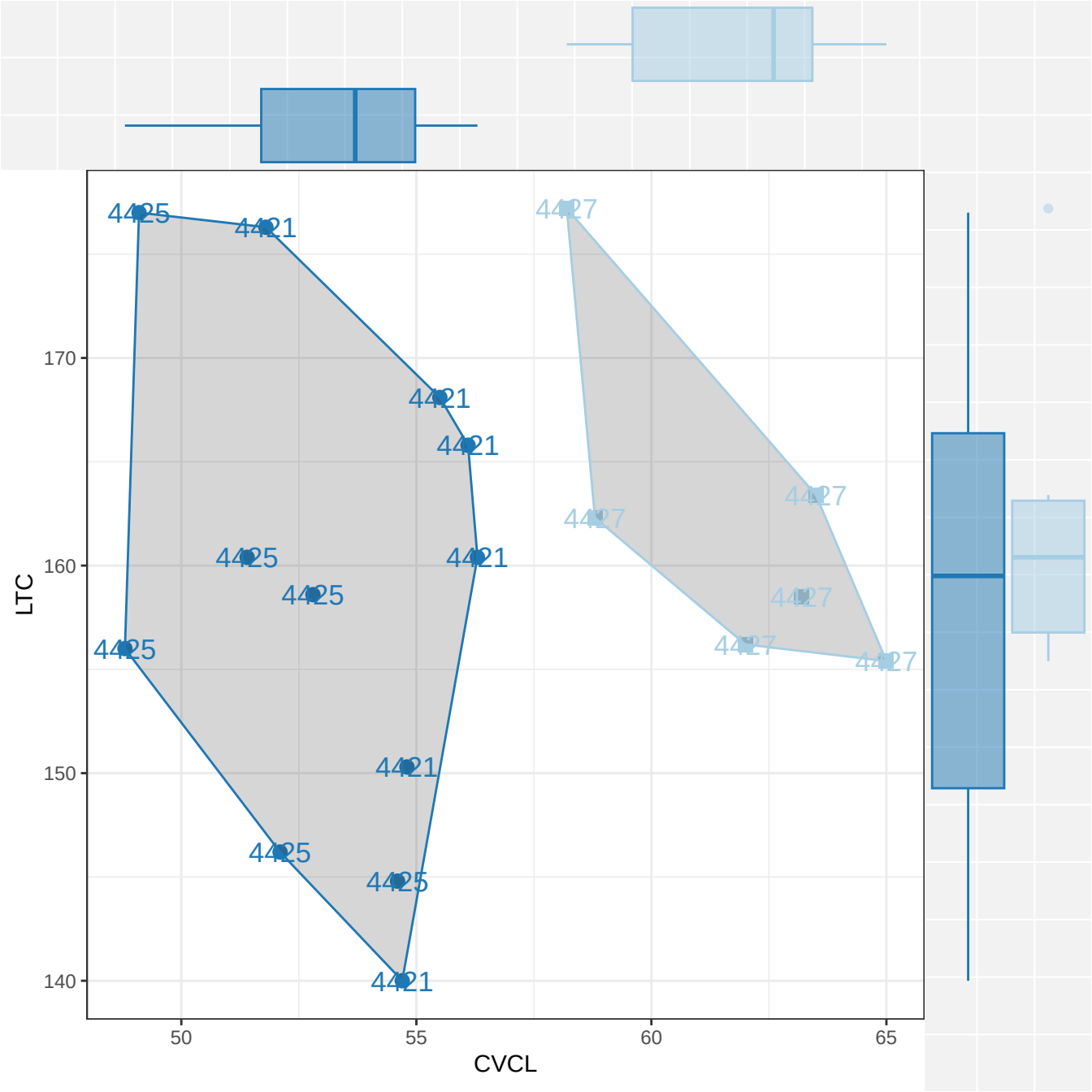

Alstroemeria werdermani Chromosomes
MCA
CVCL
LTC
MCA
CVCL
LTC
50
48
46
44
42
65
60
55
50
170
160
150
140
42
44
46
48
50
50
55
60
65
140
150
160
170
Infrataxa
flavicans
werdermannii
alpha
1

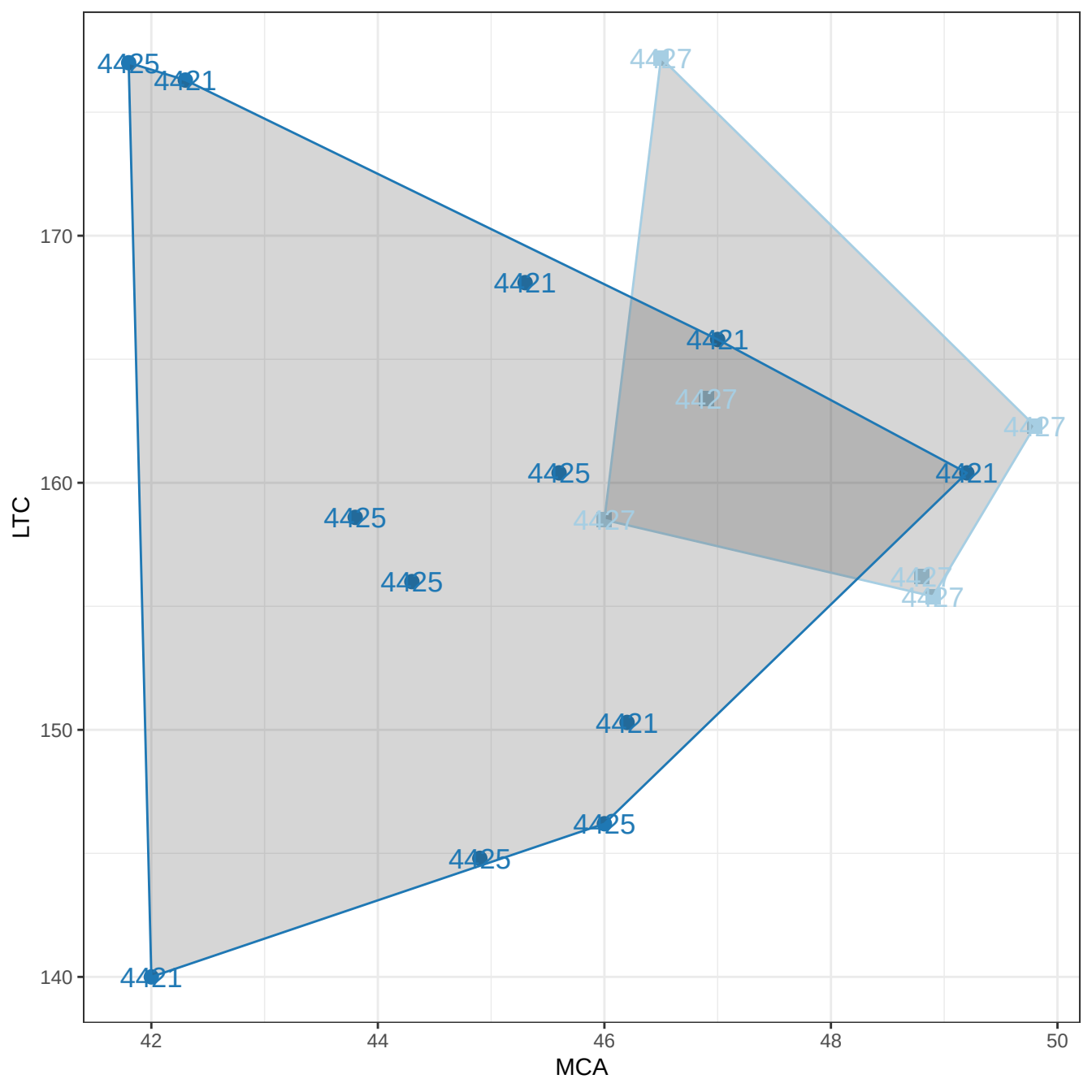

50
48
46
44
42
MCA
50
55
60
65
CVCL
Infrataxa
flavicans
werdermannii
size
a
3

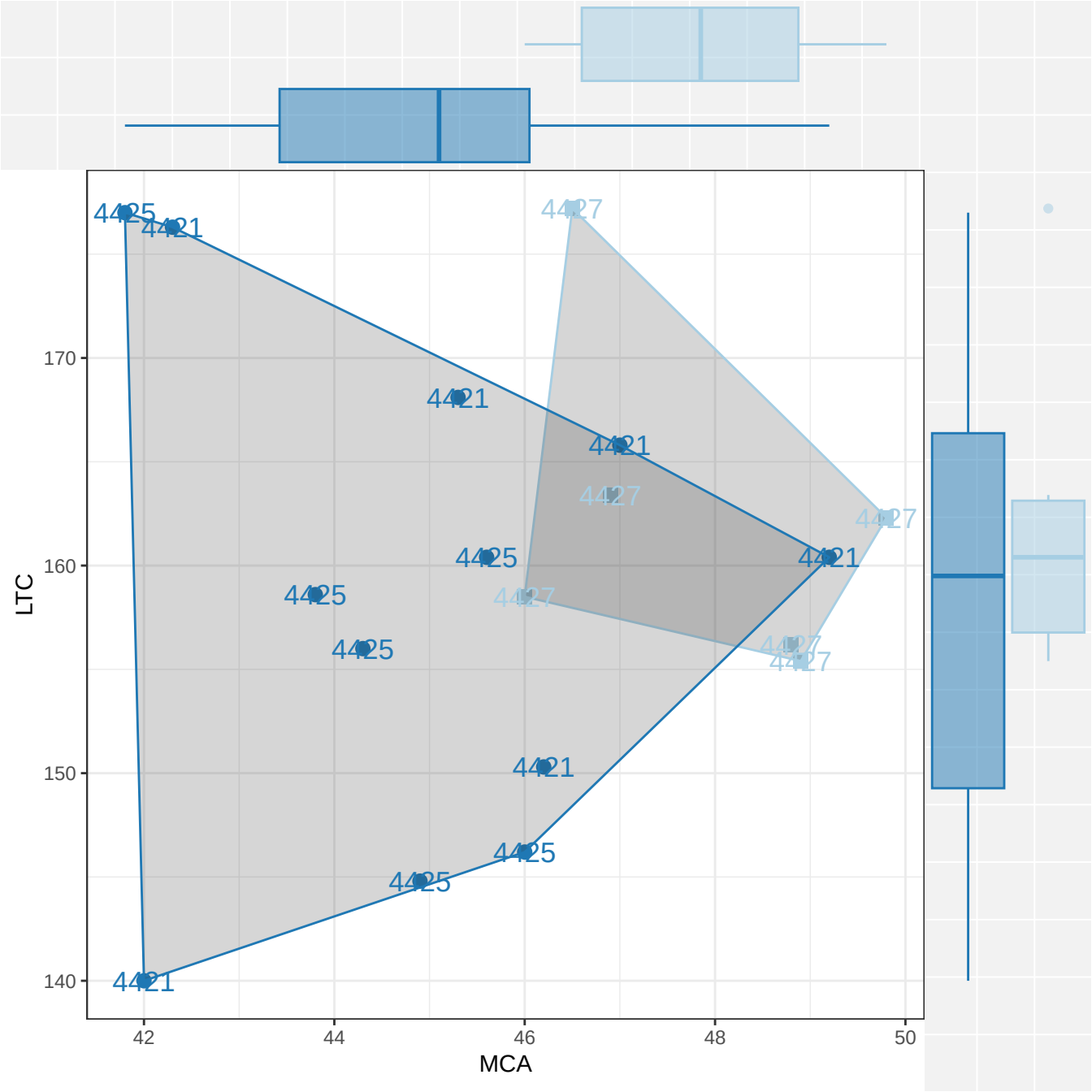

50
48
46
44
42
MCA
50
55
60
65
CVCL

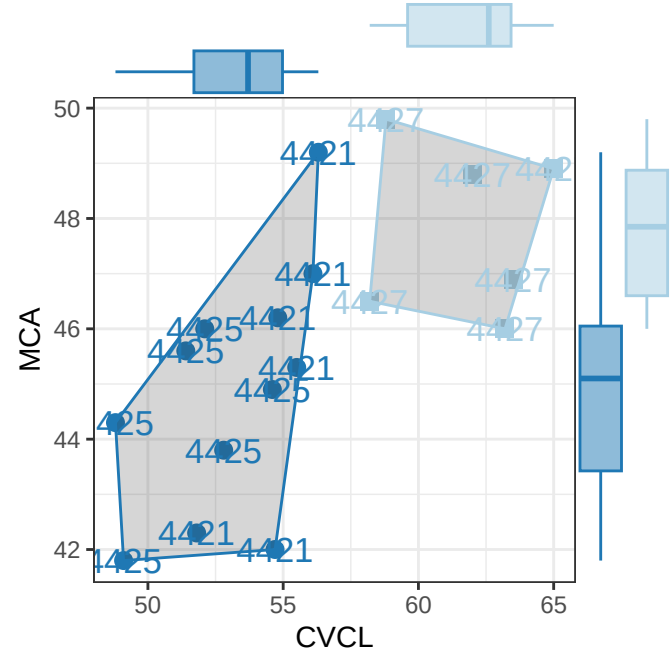

50
48
46
44
42
MCA
50
55
60
65
CVCL

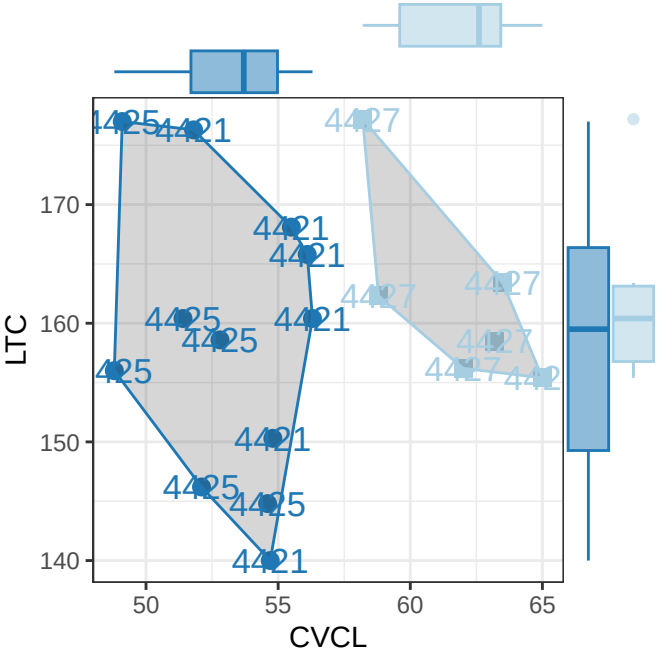

4425
4421
4421
4421
4425
4421
4425
4425
4421
4425
4425
4421
4427
4427
4427
4427
4427
170
160
150
140
LTC
50
55
60
65
CVCL

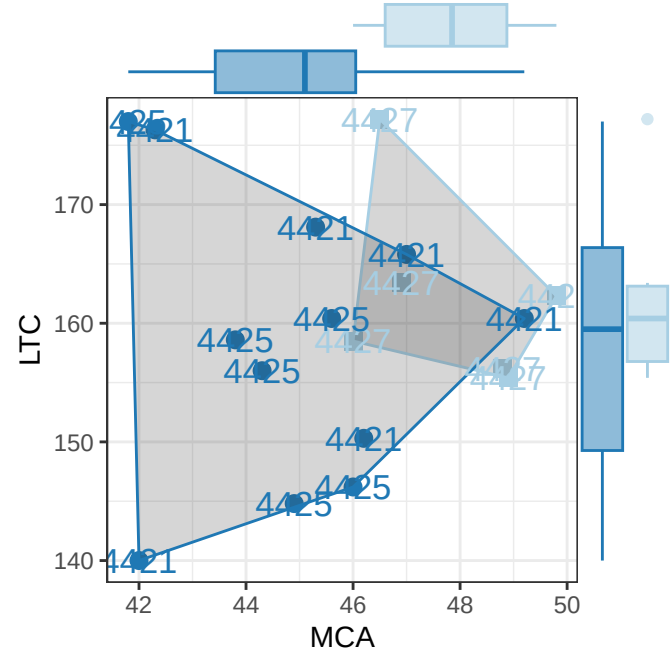

4425
4421
4427
LTC
CVCL
170
160
150
140
50
55
60
65

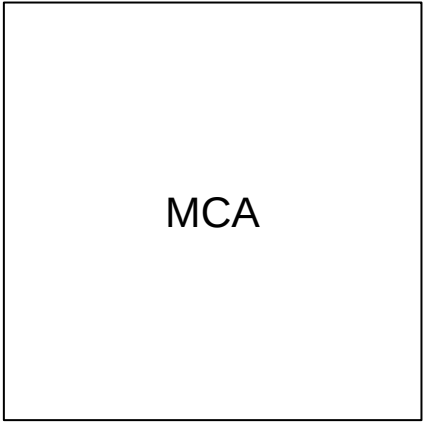

LTC
MCA
170
160
150
140
42
44
46
48
50

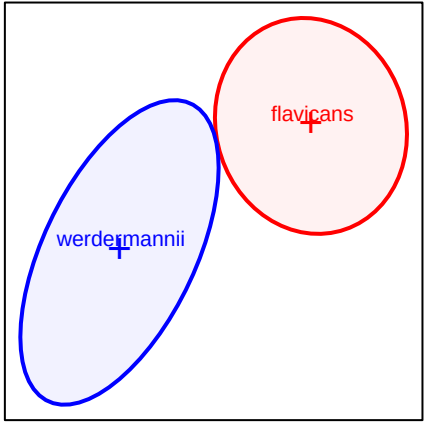

LTC
MCA
170
160
150
140
42
44
46
48
50

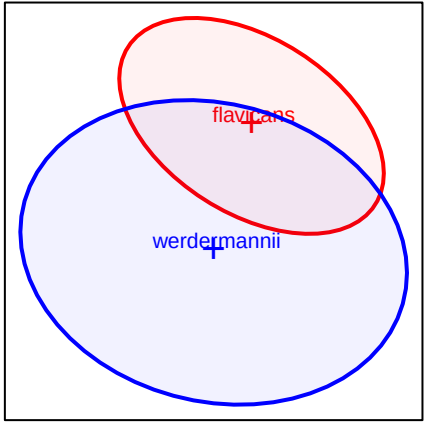

MCA
CVCL
50
48
46
44
42
55
60
65

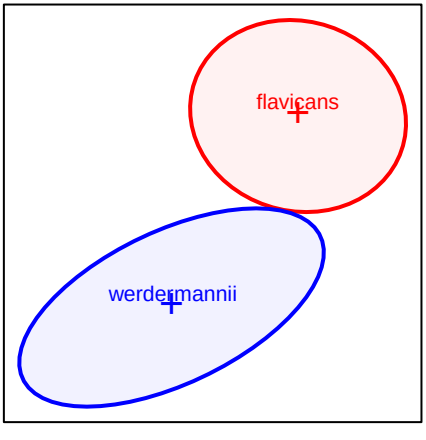

LTC
CVCL
170
160
150
140
50
55
60
65

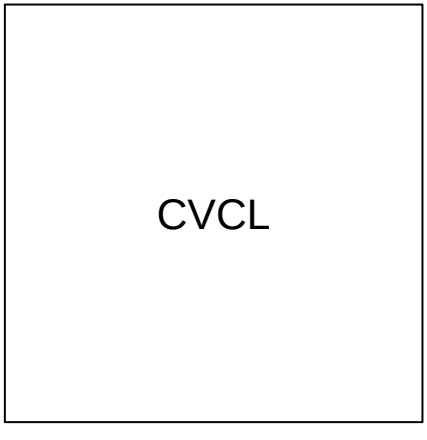

LTC
MCA
170
160
150
140
42
44
46
48
50

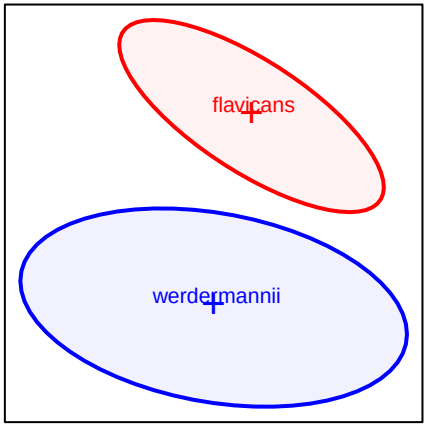

MCA

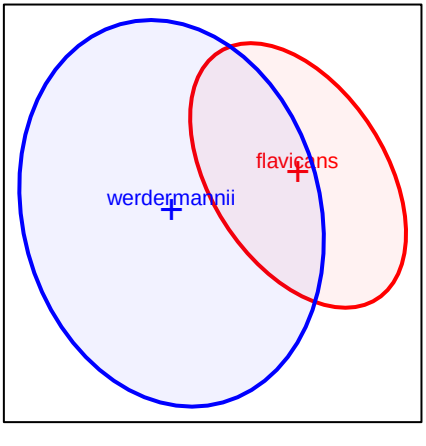

flavicans
werdermannii

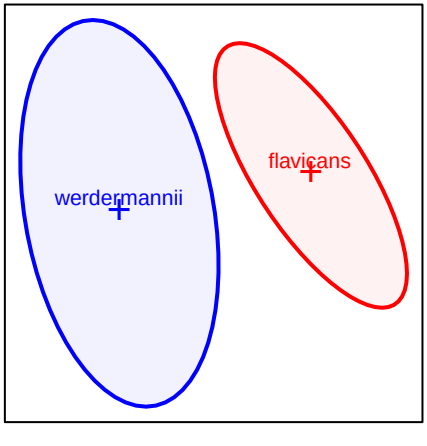

flavicans
werdermannii

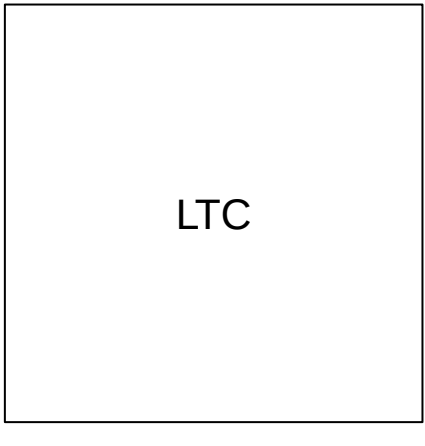

flavicans
werdermannii

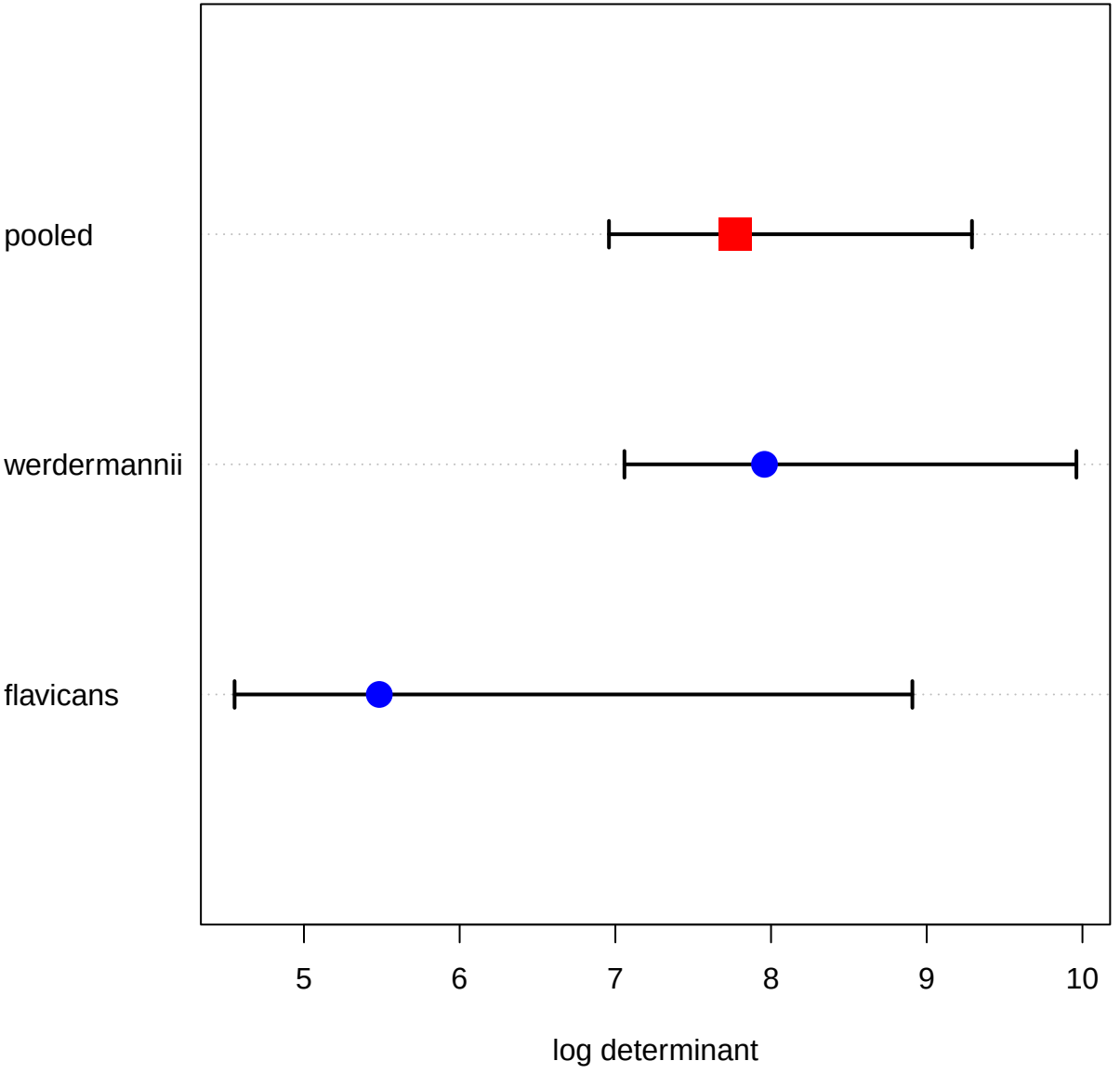

CVCL

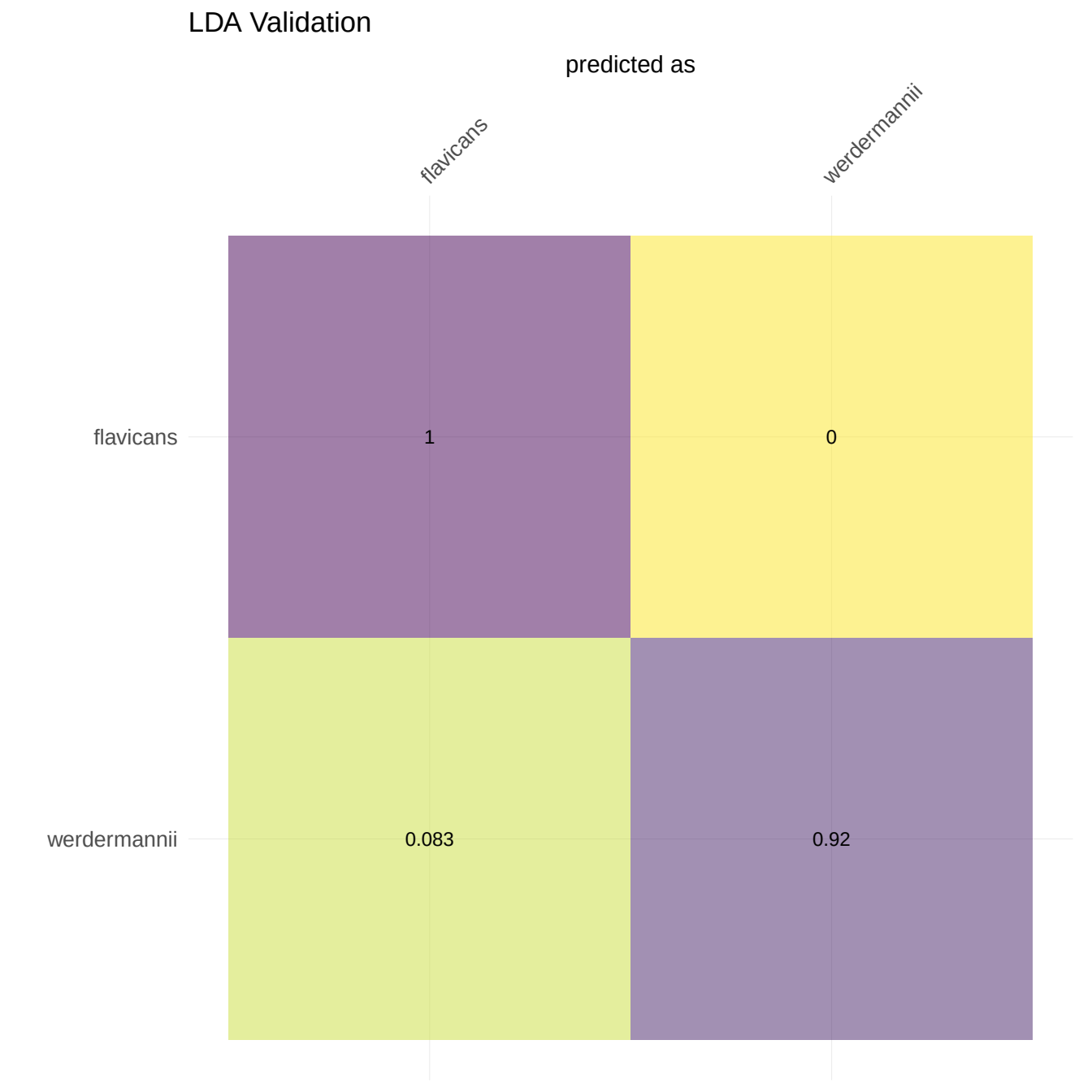

flavicans
werdermannii

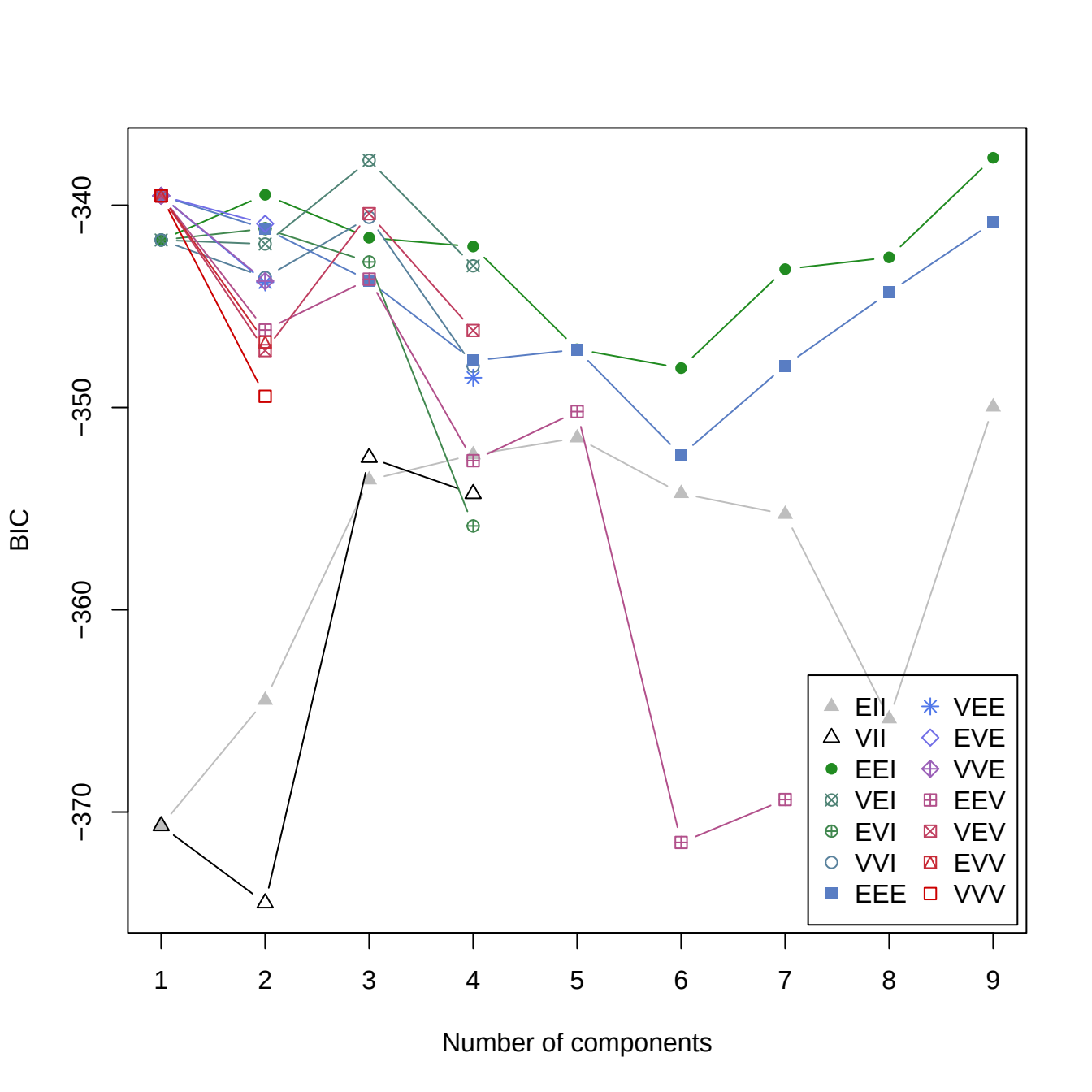

flavicans
werdermannii

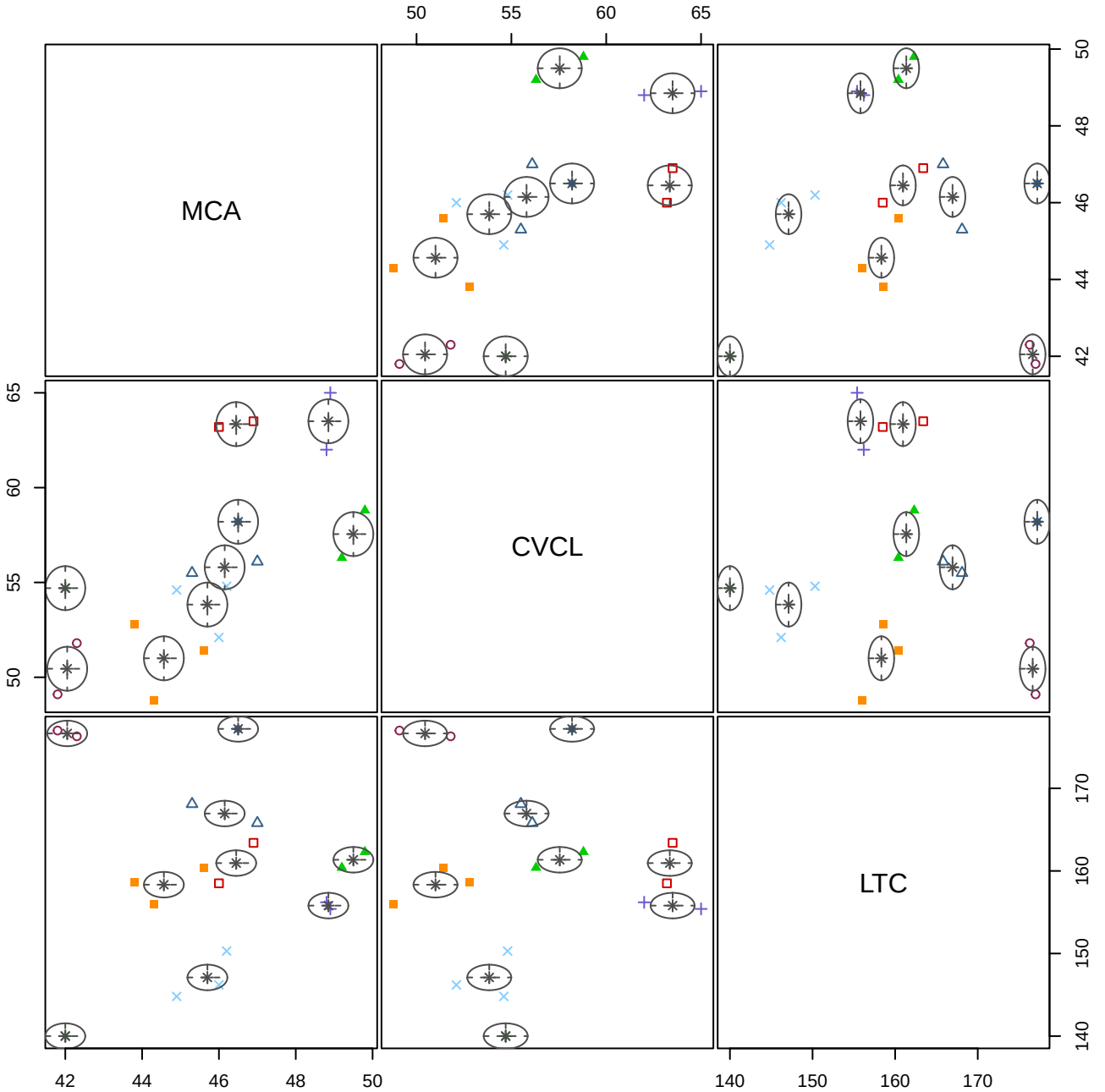

flavicans
werdermannii

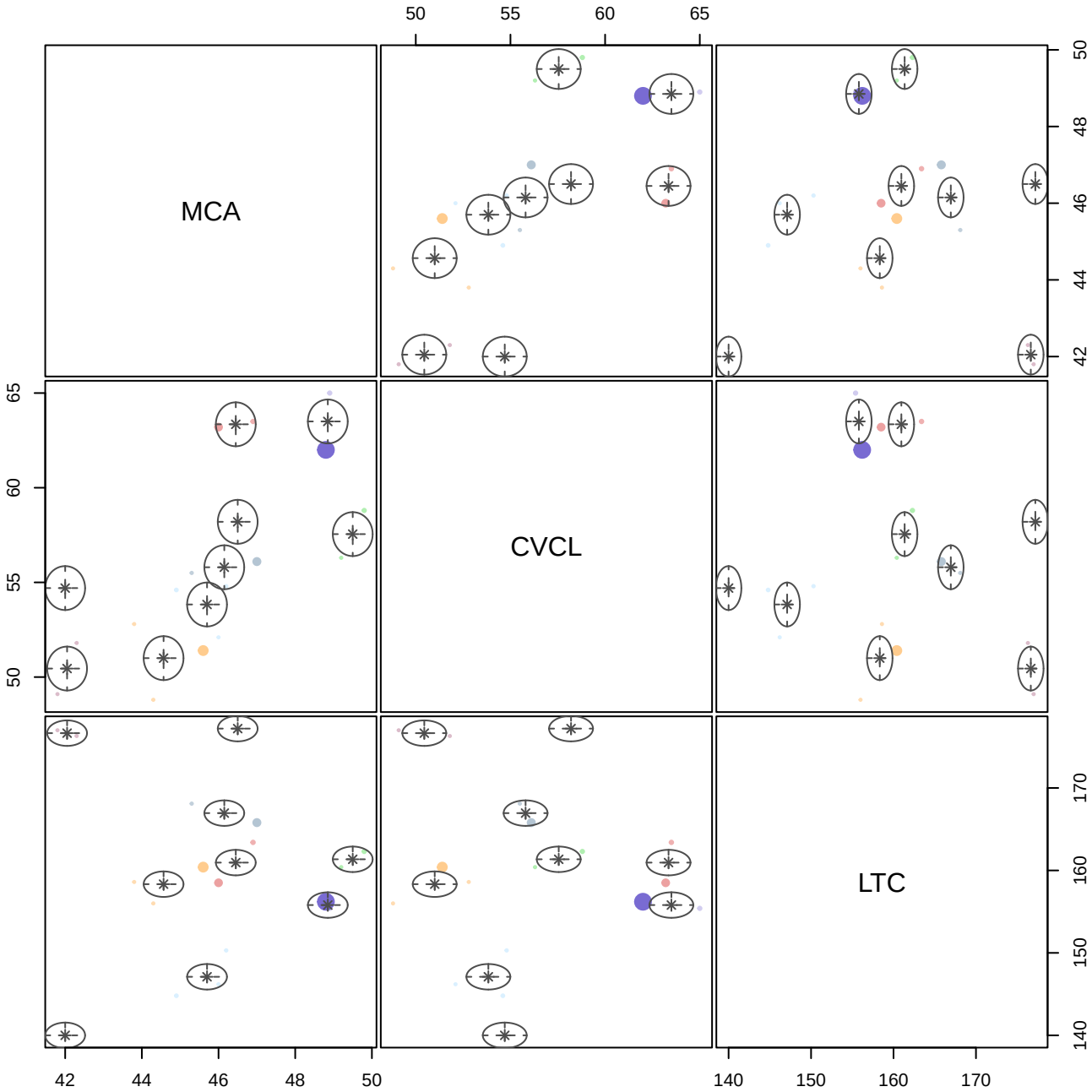

LTC

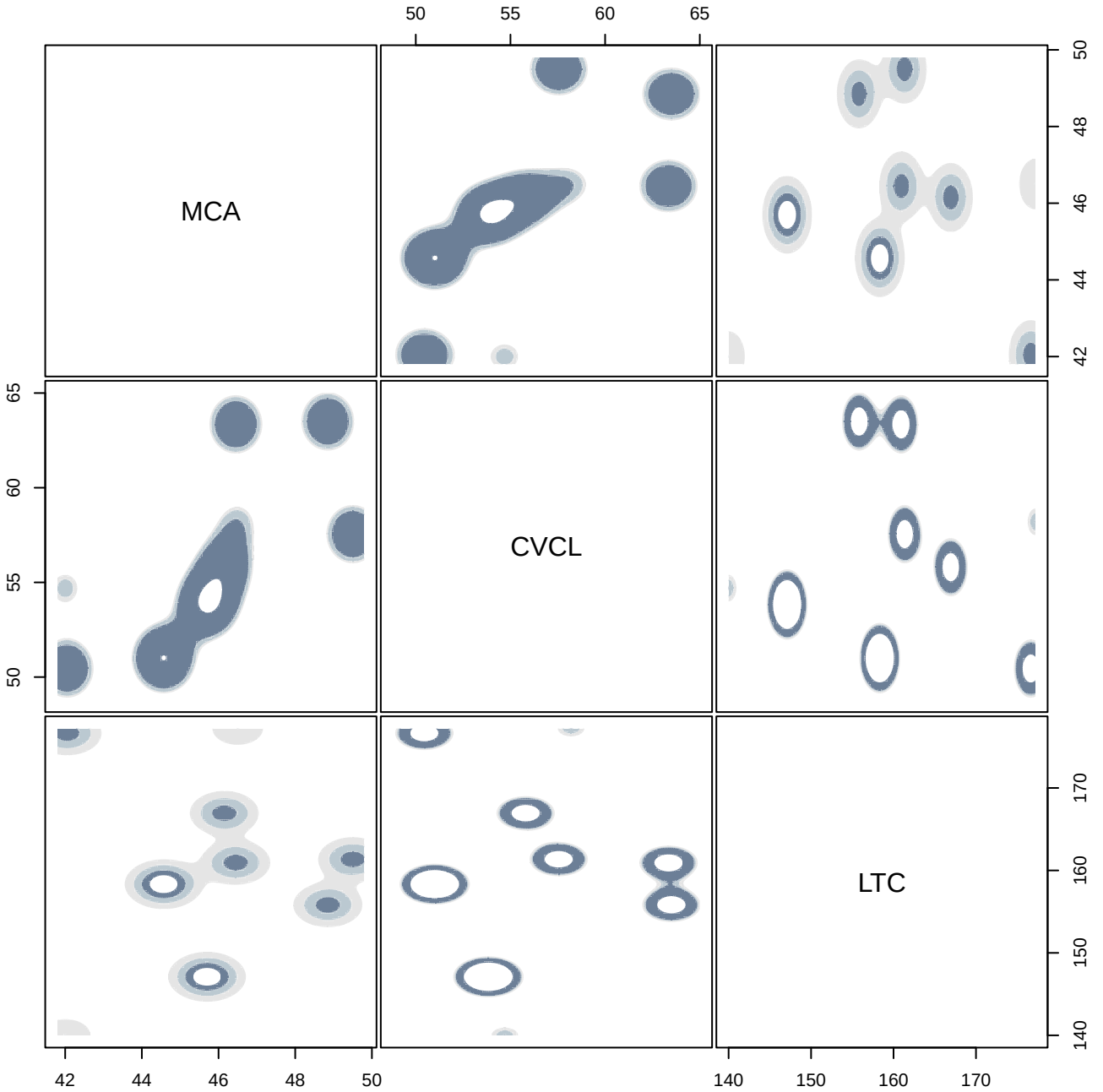

pooled
werdermannii
flavicans
5
6
7
8
9
10
log determinant

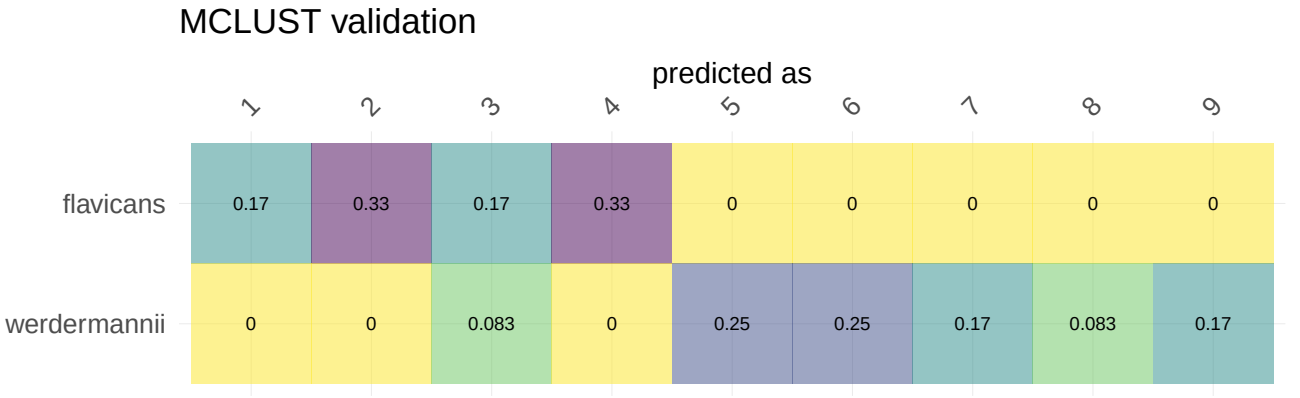

LDA Validation
predicted as
flavicans
werdermannii
flavicans
werdermannii
1
0
0.083
0.92


BIC
−340
−350
−360
−370
1
2
3
4
5
6
7
8
9
Number of components
EII
VII
EEI
VEI
EVI
VVI
EEE
VEE
EVE
VVE
EEV
VEV
EVV
VVV


MCA
CVCL
LTC
50
55
60
65
50
48
46
44
42
65
60
55
50
42
44
46
48
50
140
150
160
170
170
160
150
140


MCA
CVCL
LTC
50
55
60
65
42
44
46
48
50
140
150
160
170


MCA
CVCL
LTC
50
55
60
65
42
44
46
48
50
140
150
160
170


MCLUST validation
predicted as
1
2
3
4
5
6
7
8
9
flavicans
0.17
0.33
0.17
0.33
0
0
0
0
0
werdermannii
0
0
0.083
0
0.25
0.25
0.17
0.083
0.17