

log2(Adjusted Intensity)

2.7

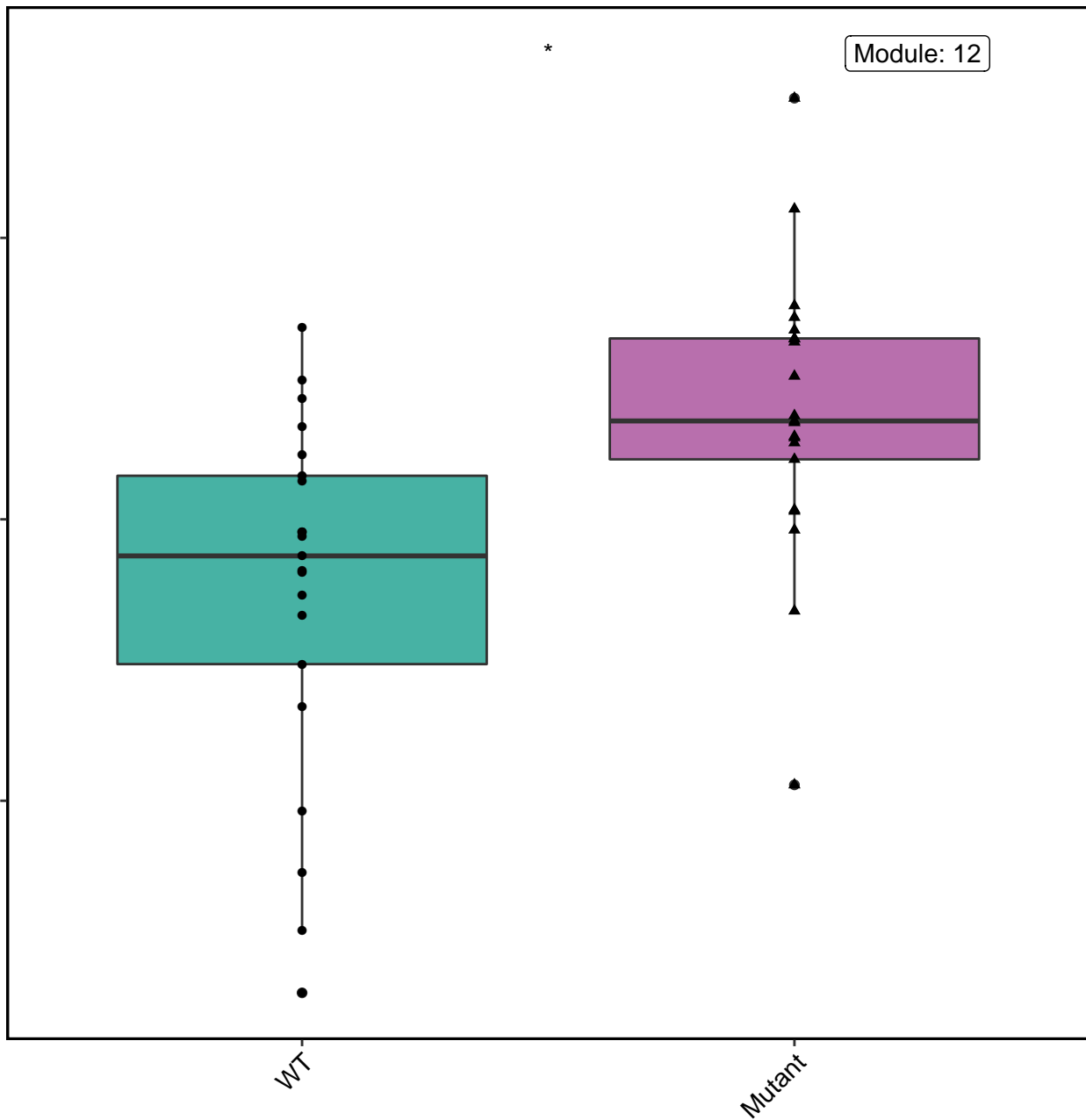
2.5

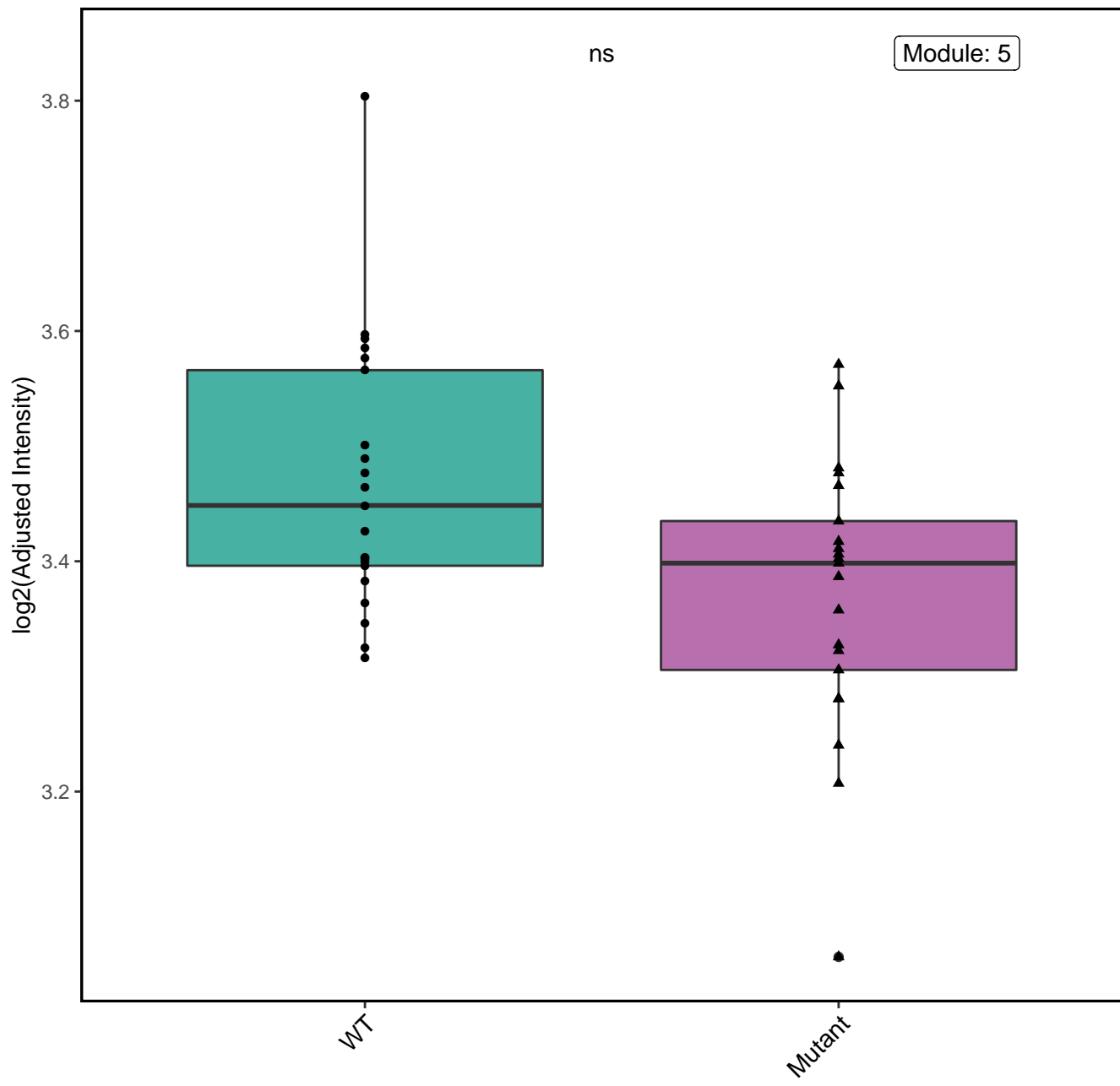
2.3

WT

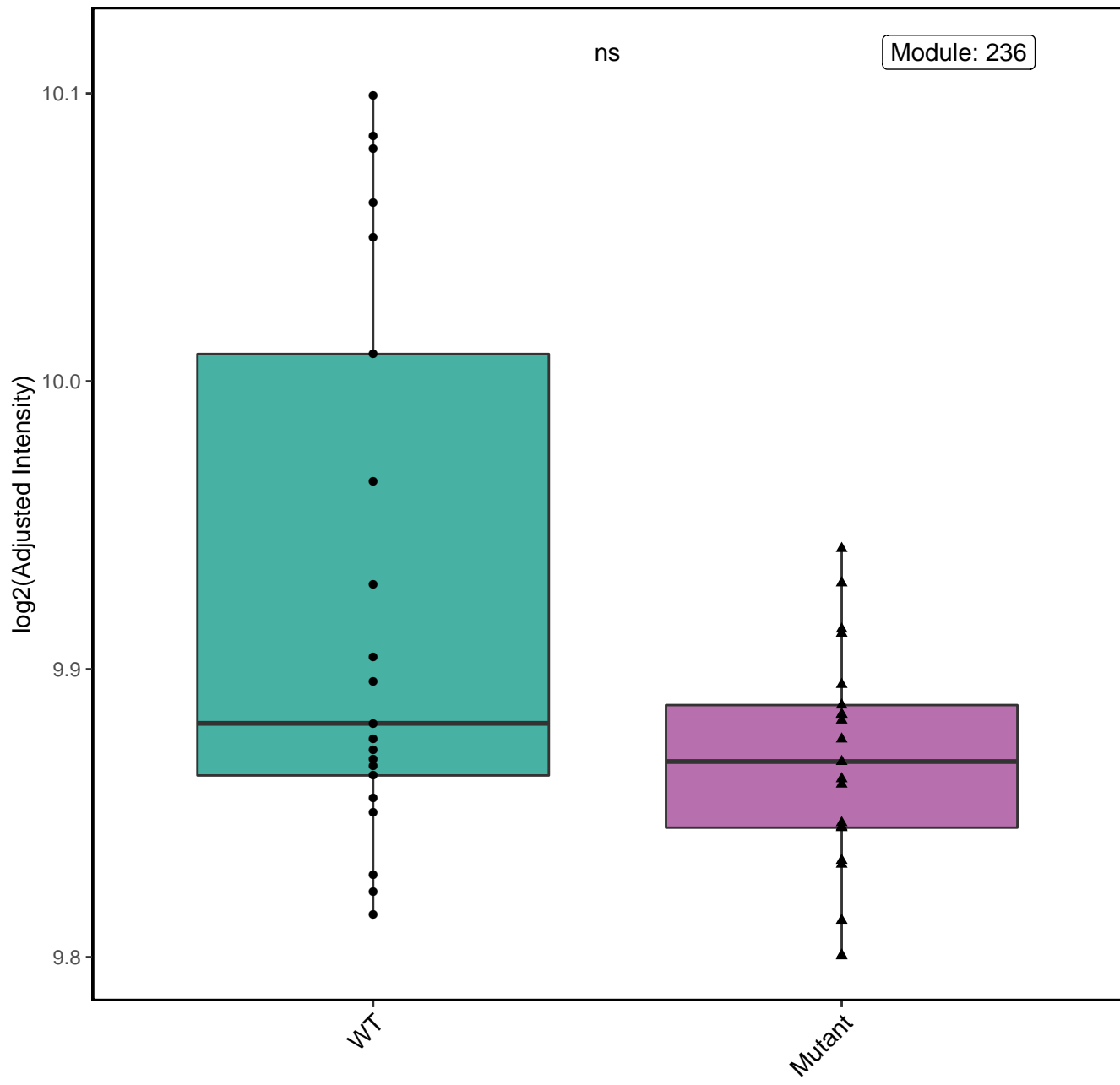
Mutant

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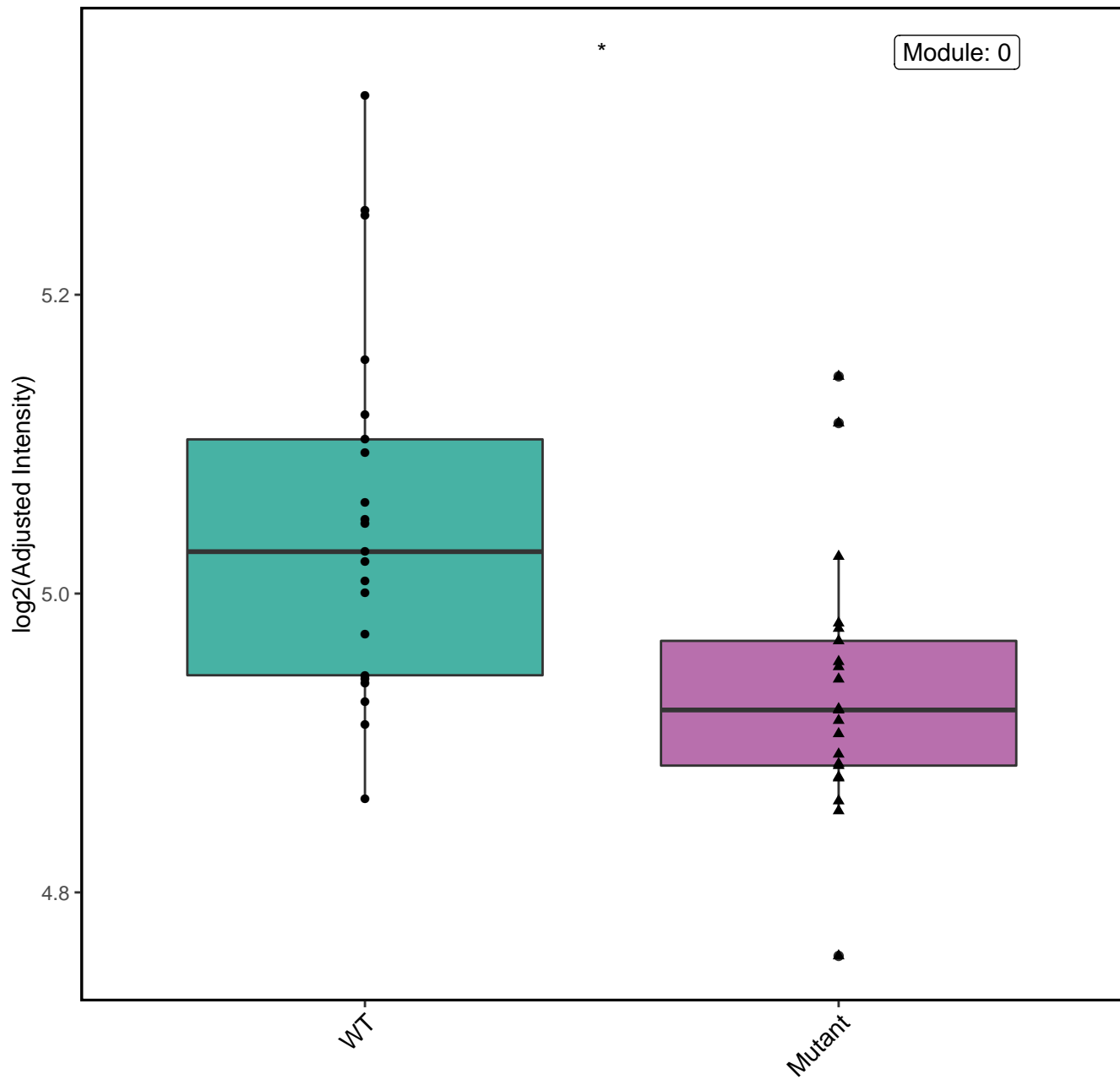


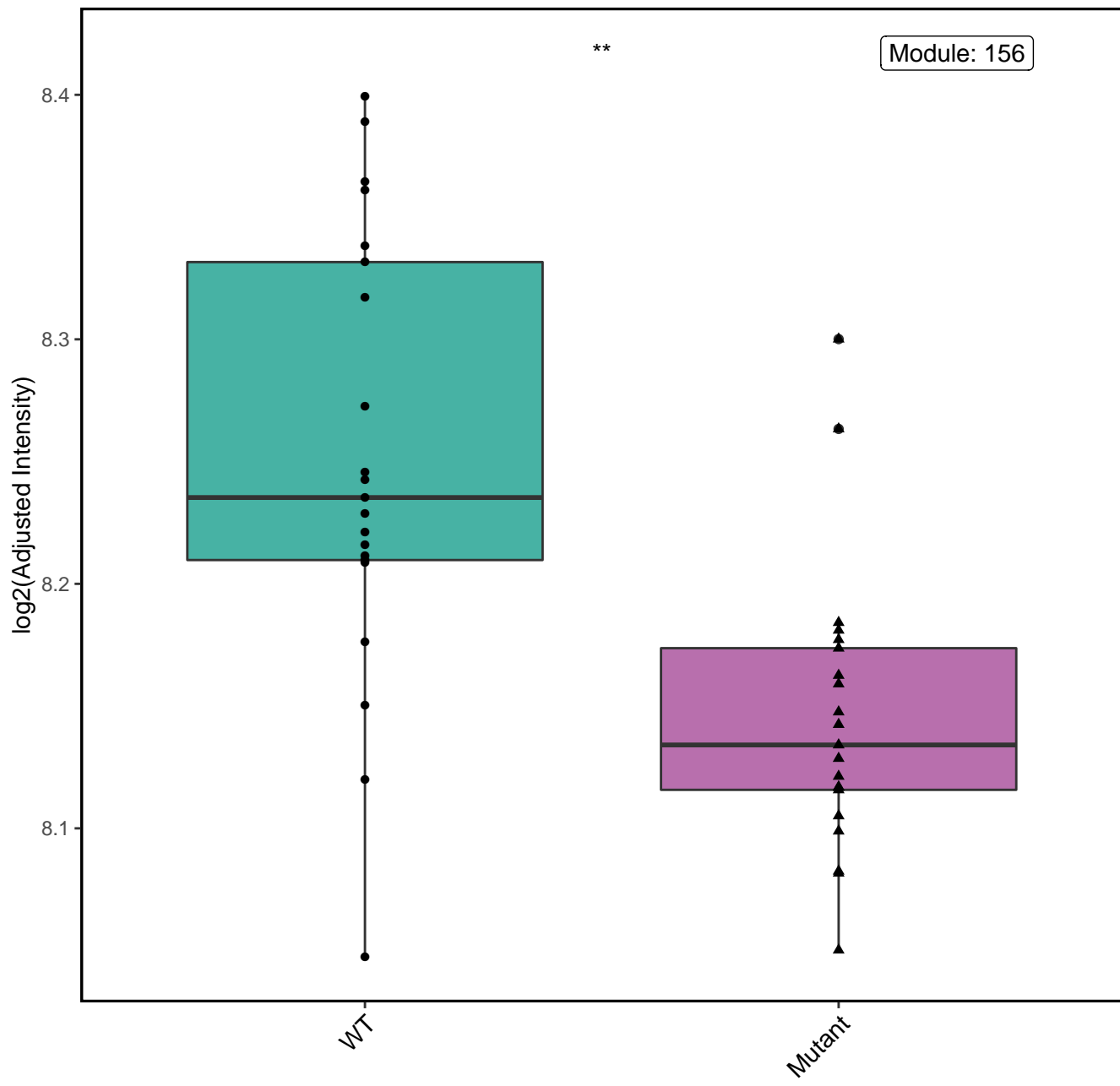


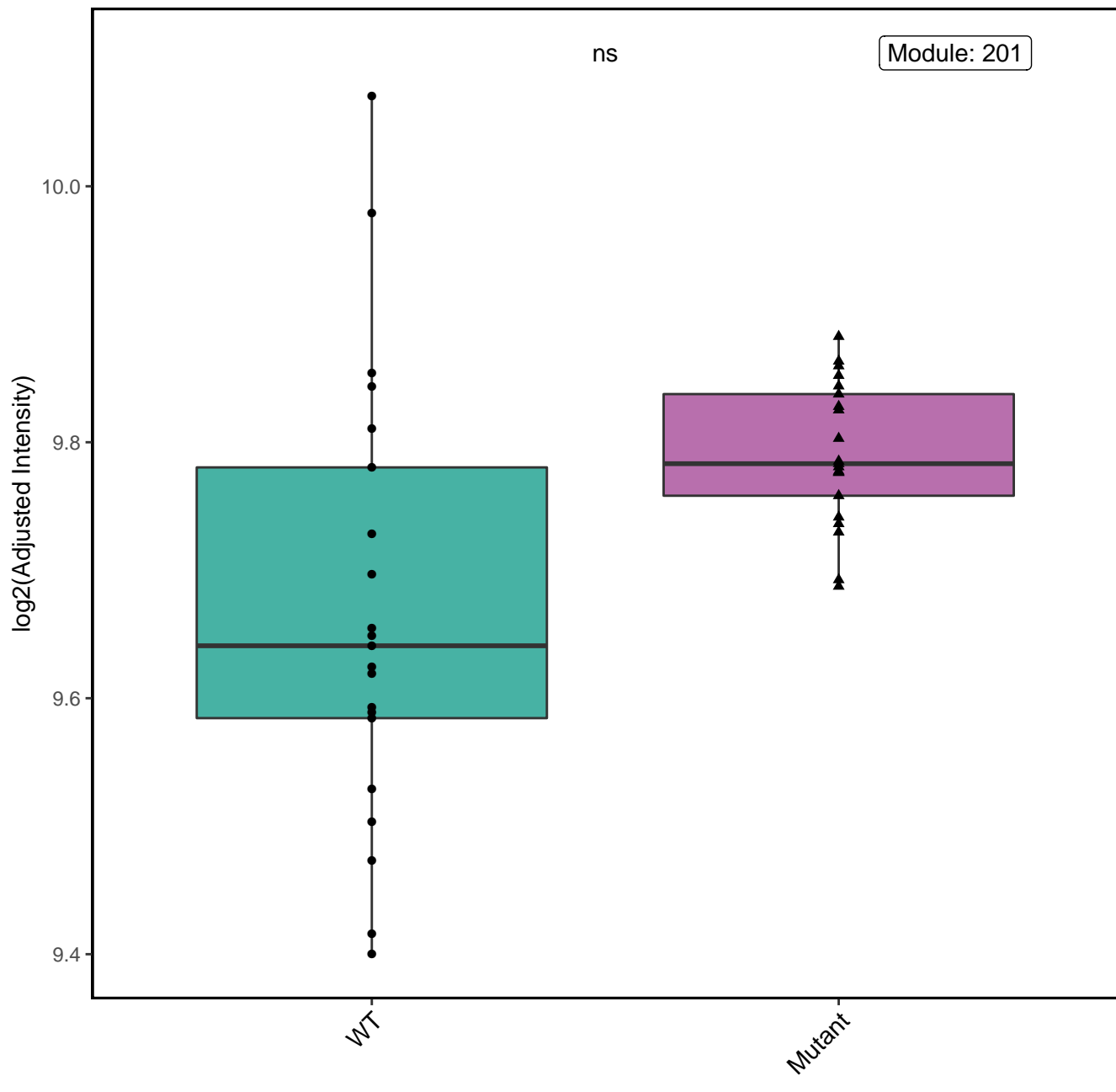


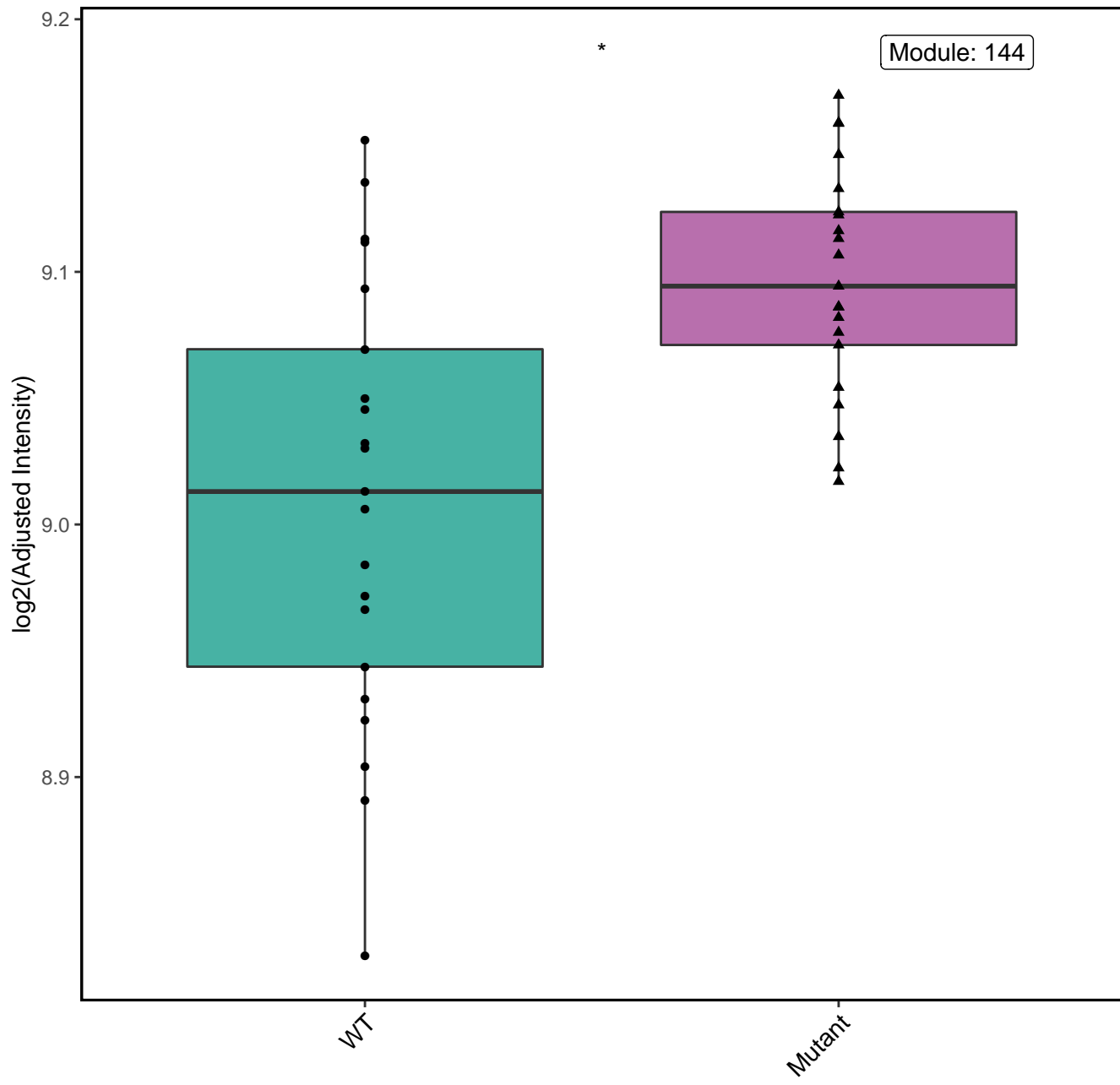


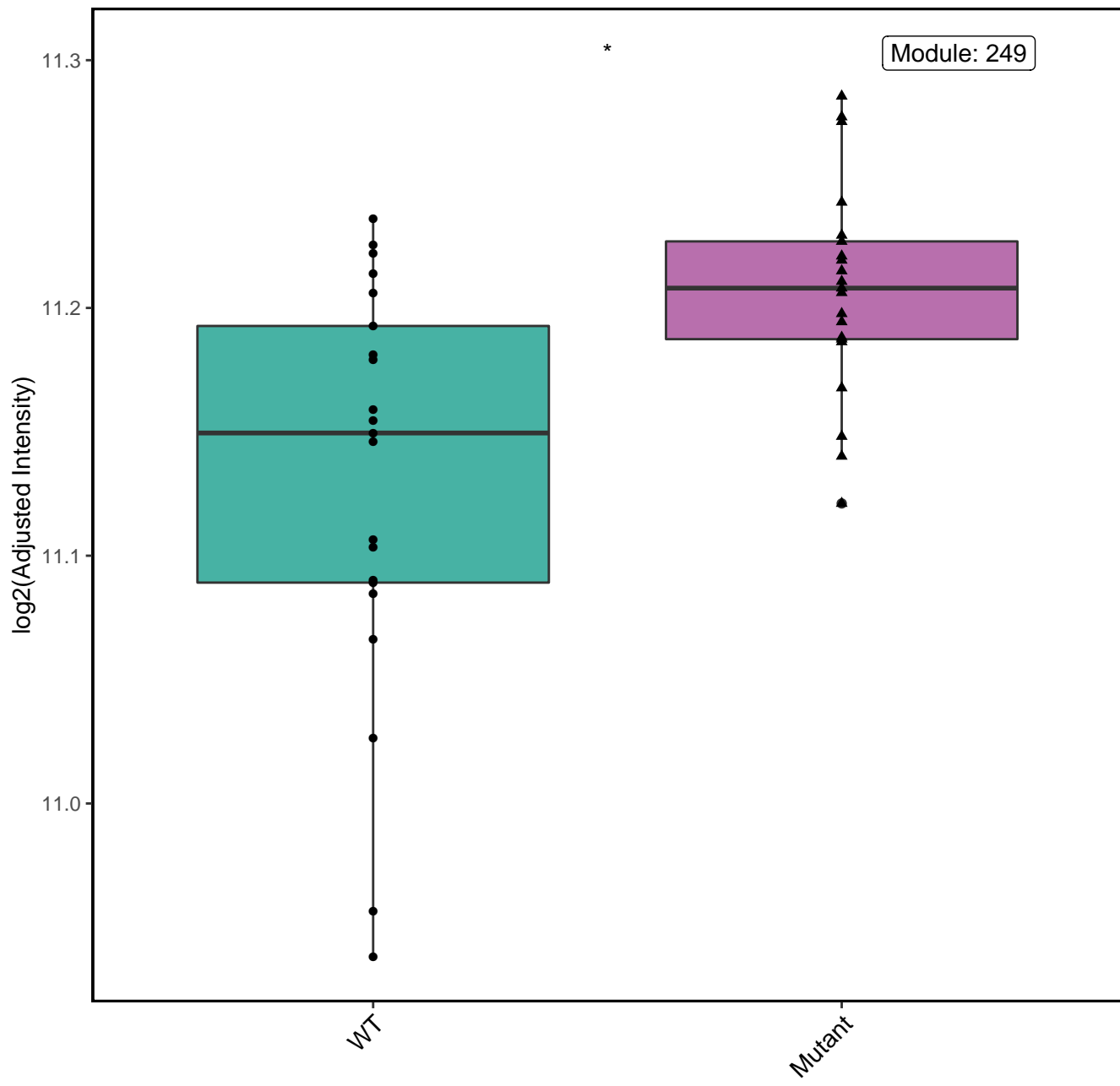
# Module: 0

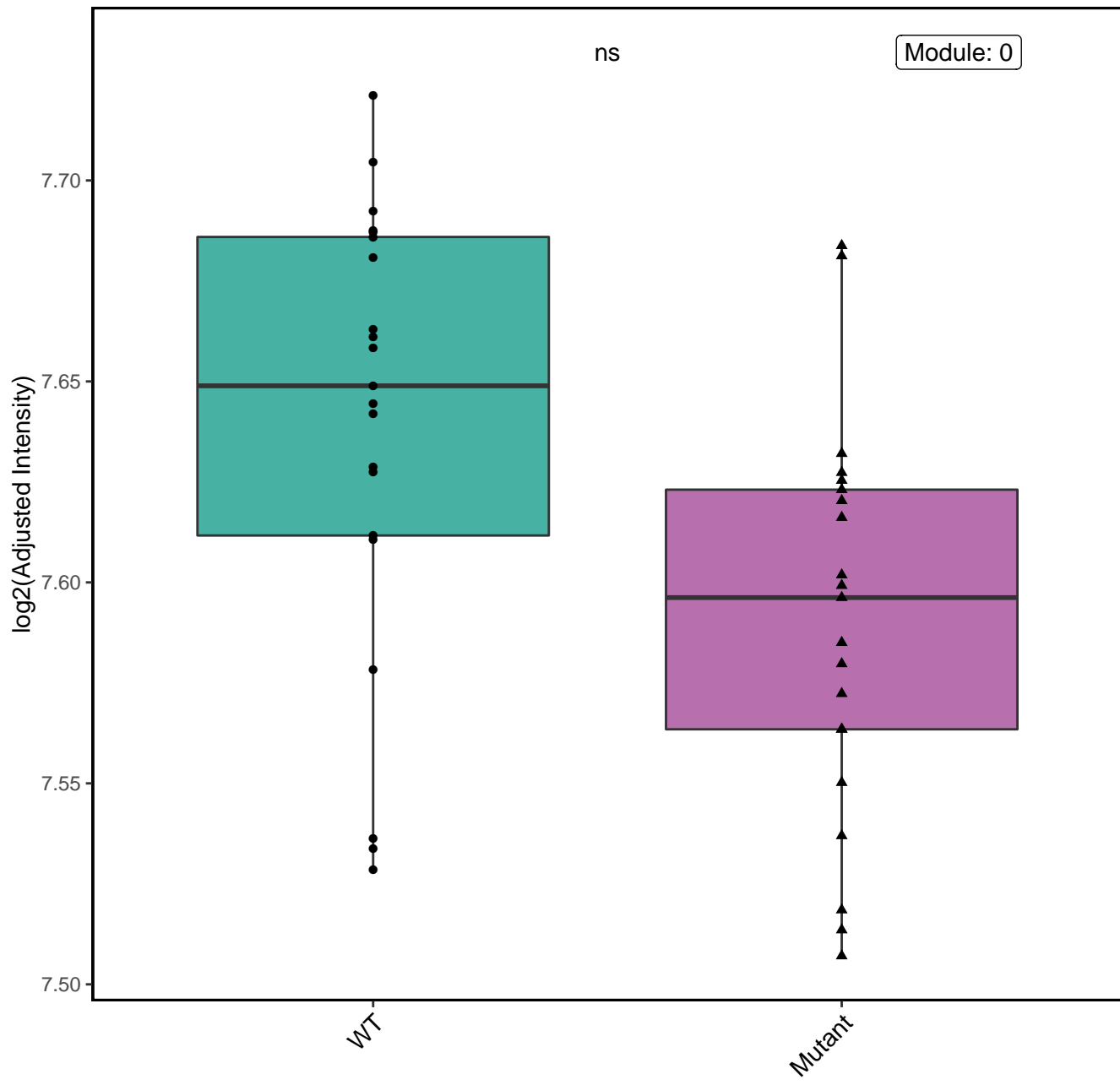


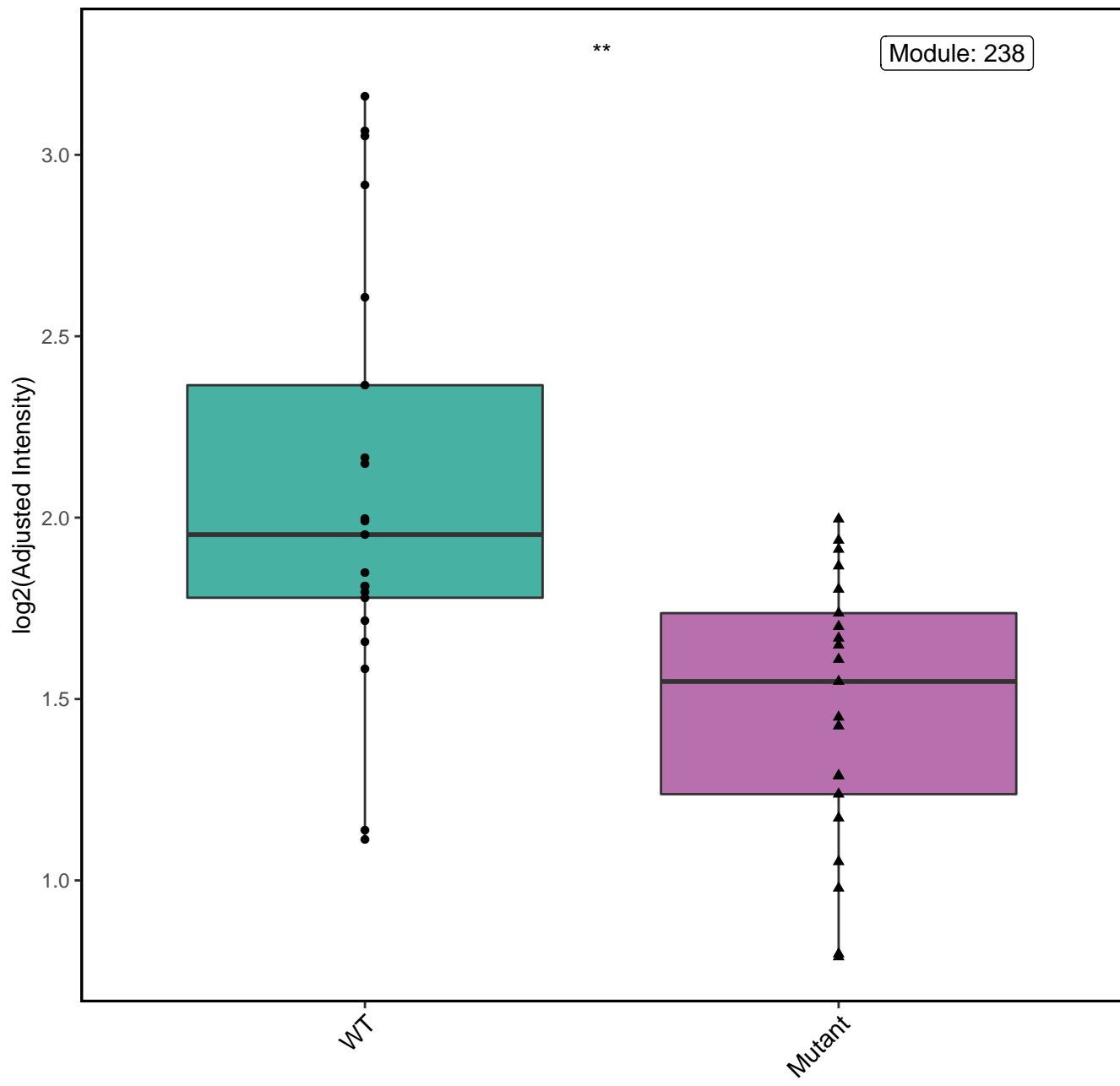












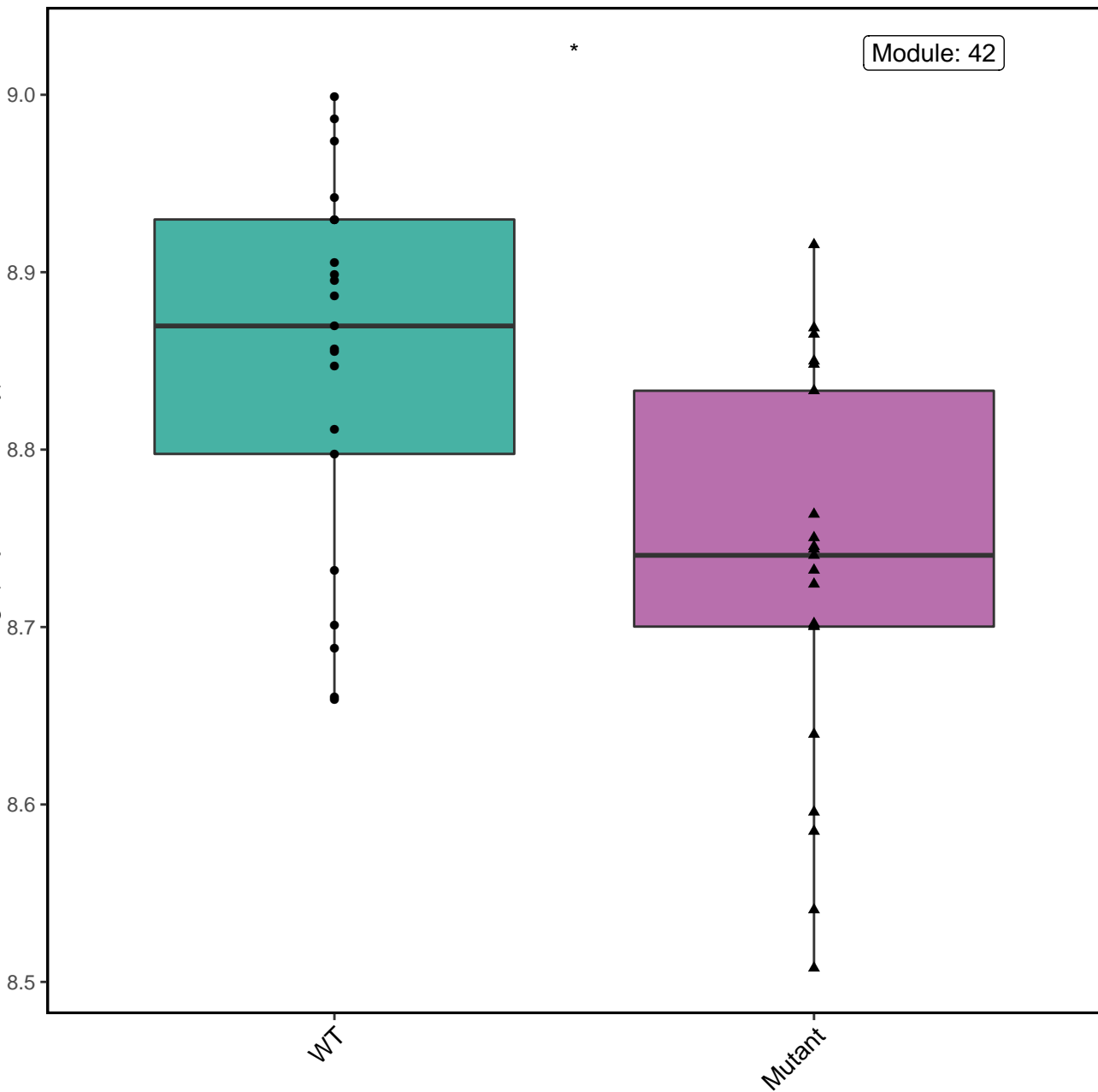


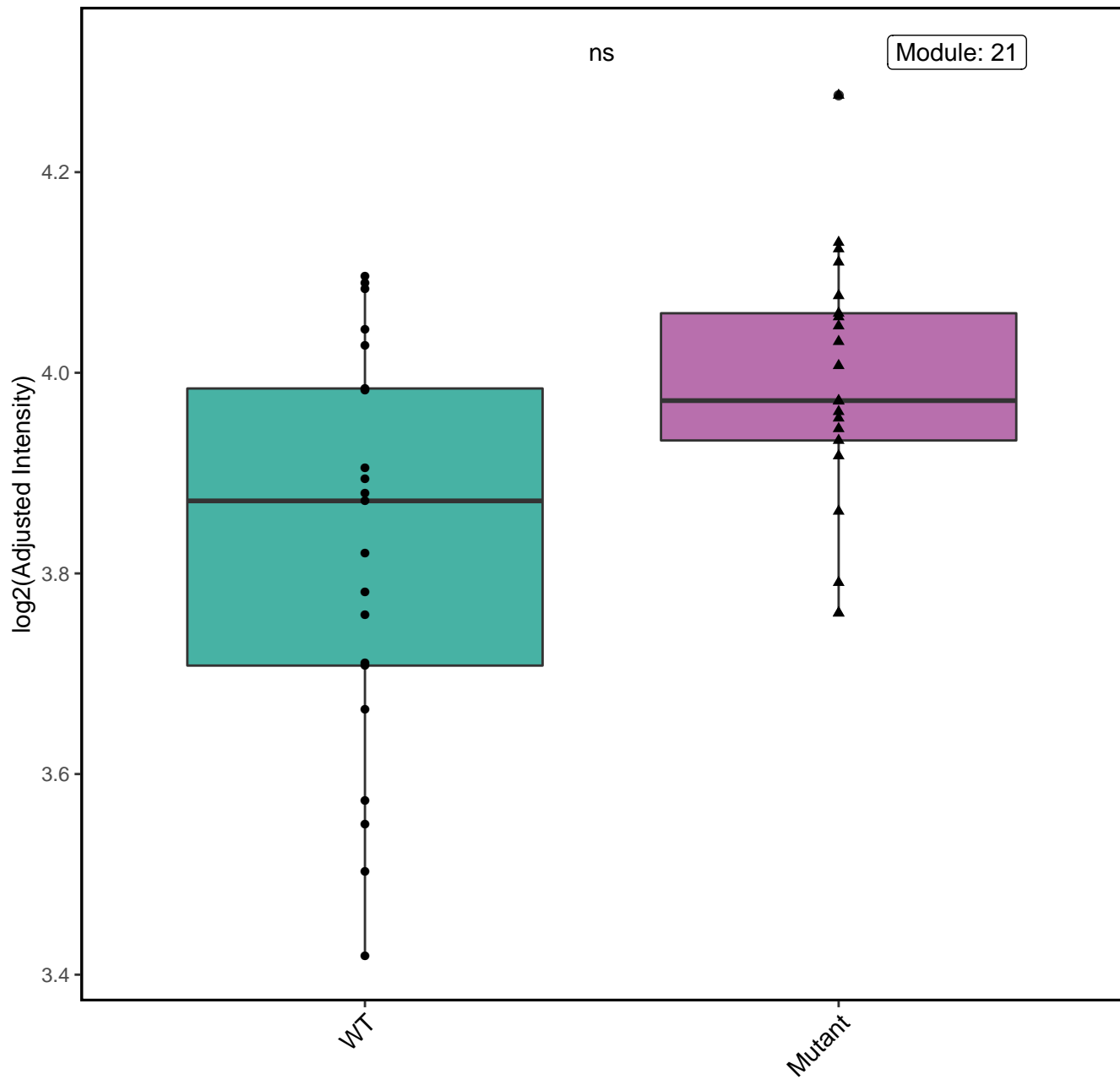
log2(Adjusted Intensity)

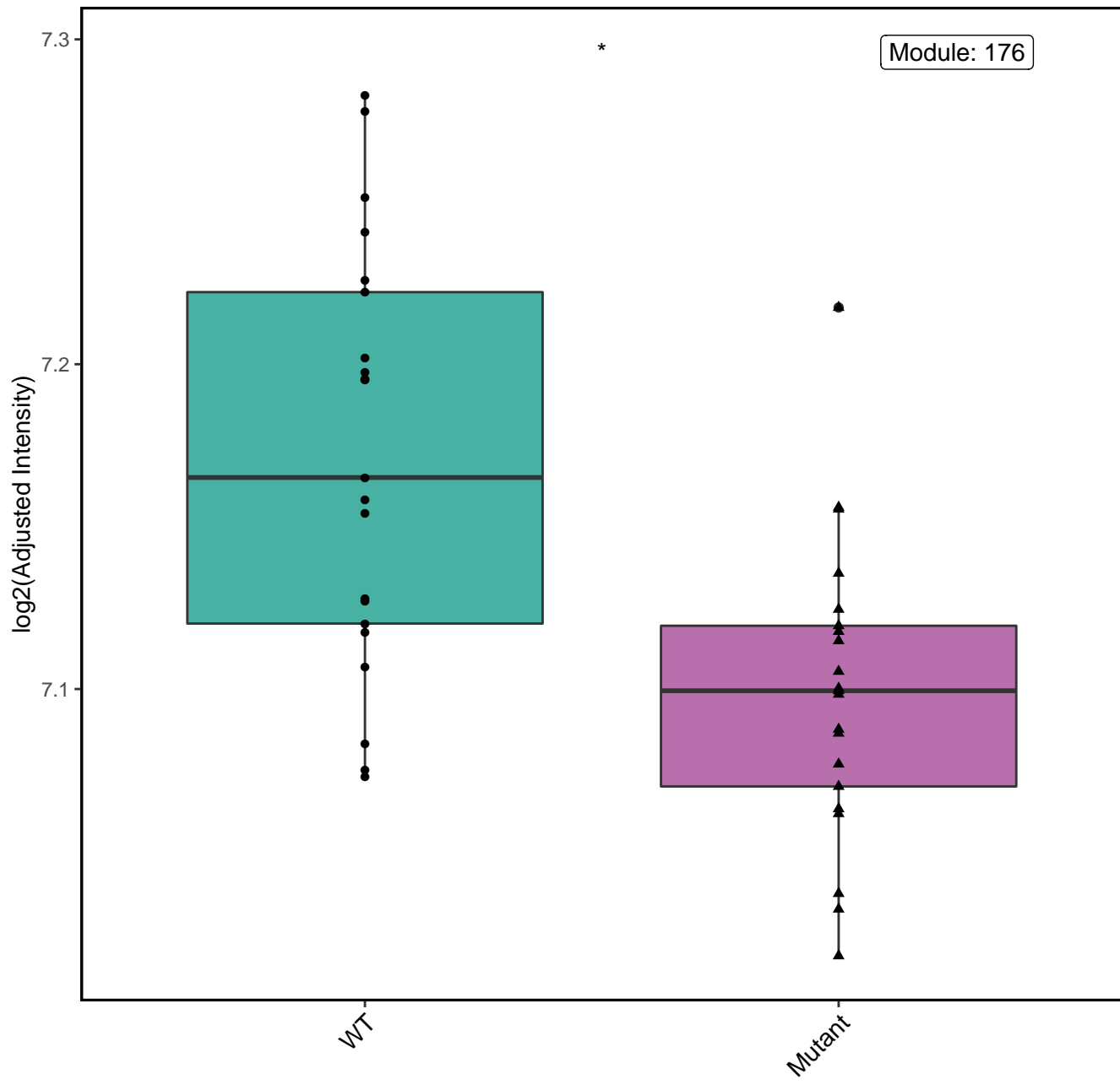
WT

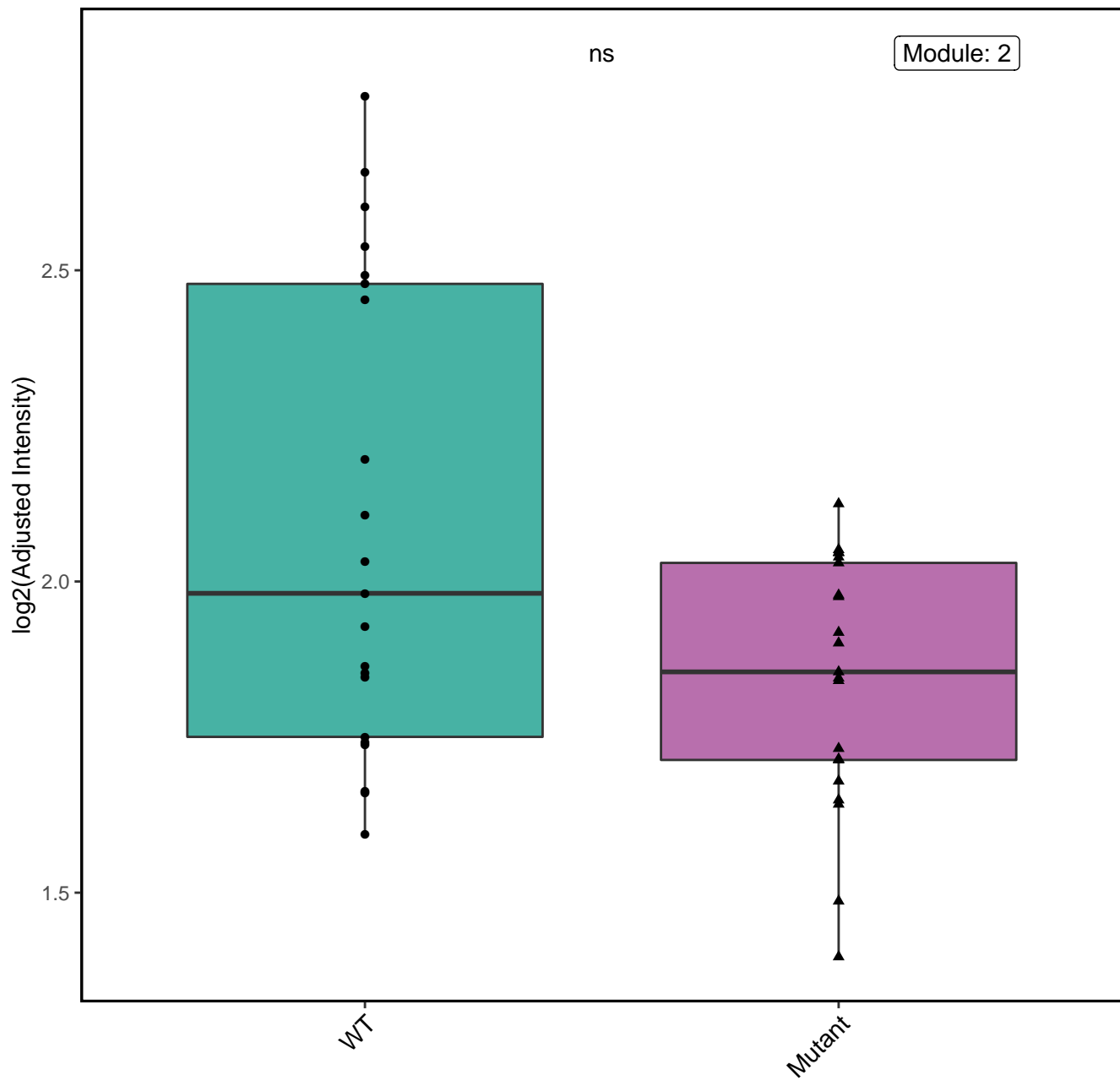
Mutant

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log2(Adjusted Intensity)

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WT

Mutant

8.3

8.2

8.1

log2(Adjusted Intensity)

3.3

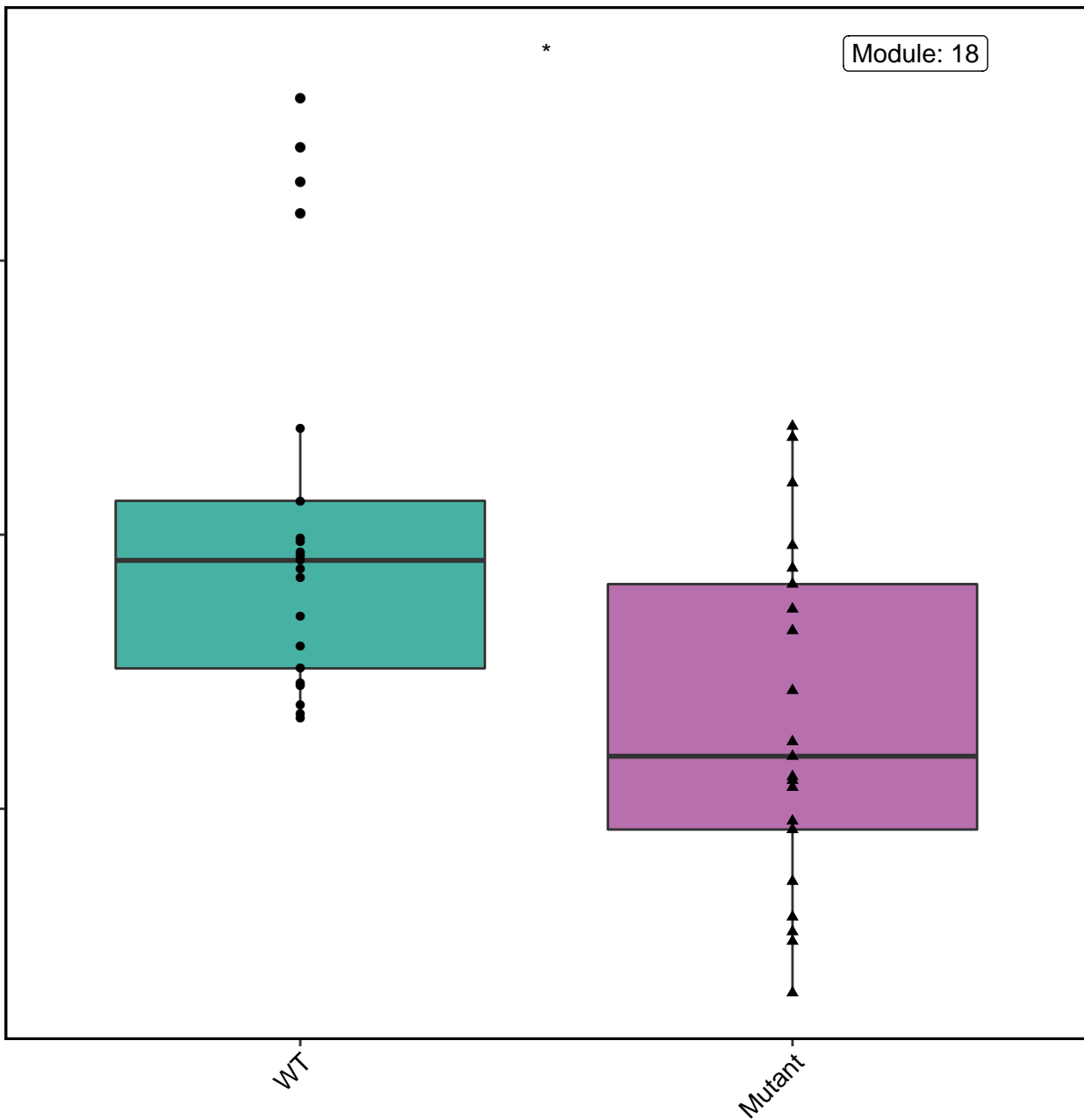
3.0

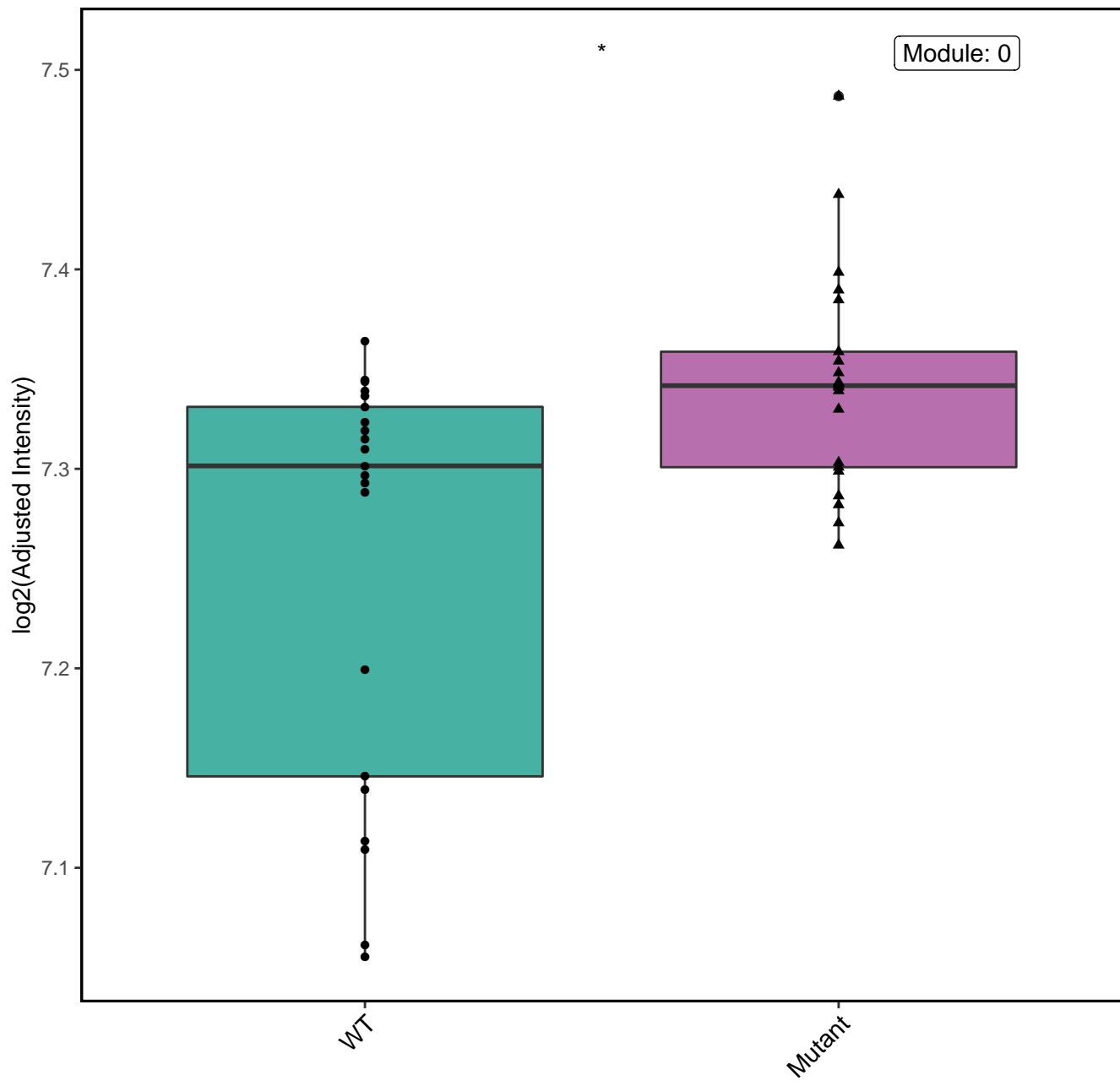
2.7

WT

Mutant

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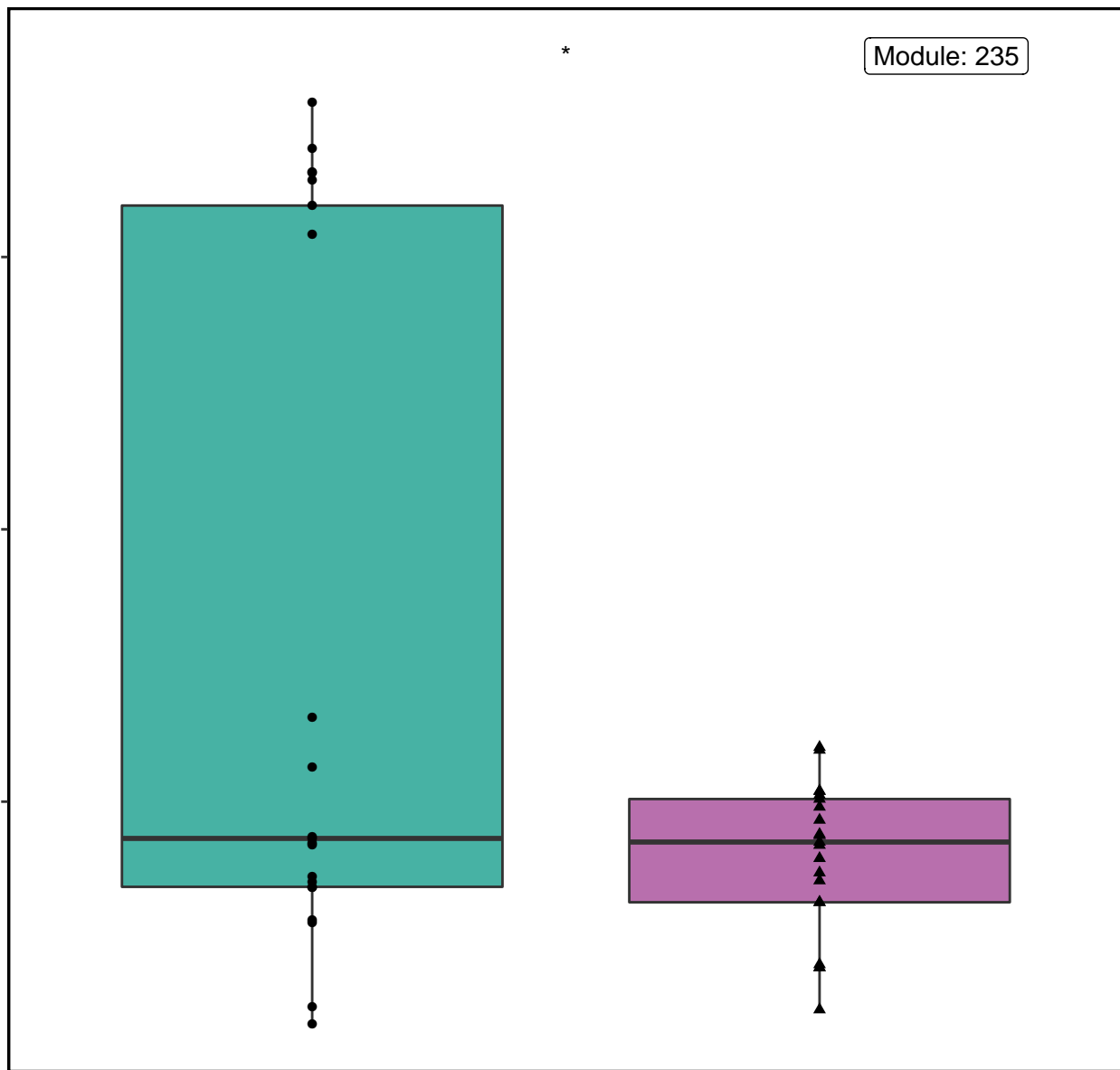


$\log_2(\text{Adjusted Intensity})$ 

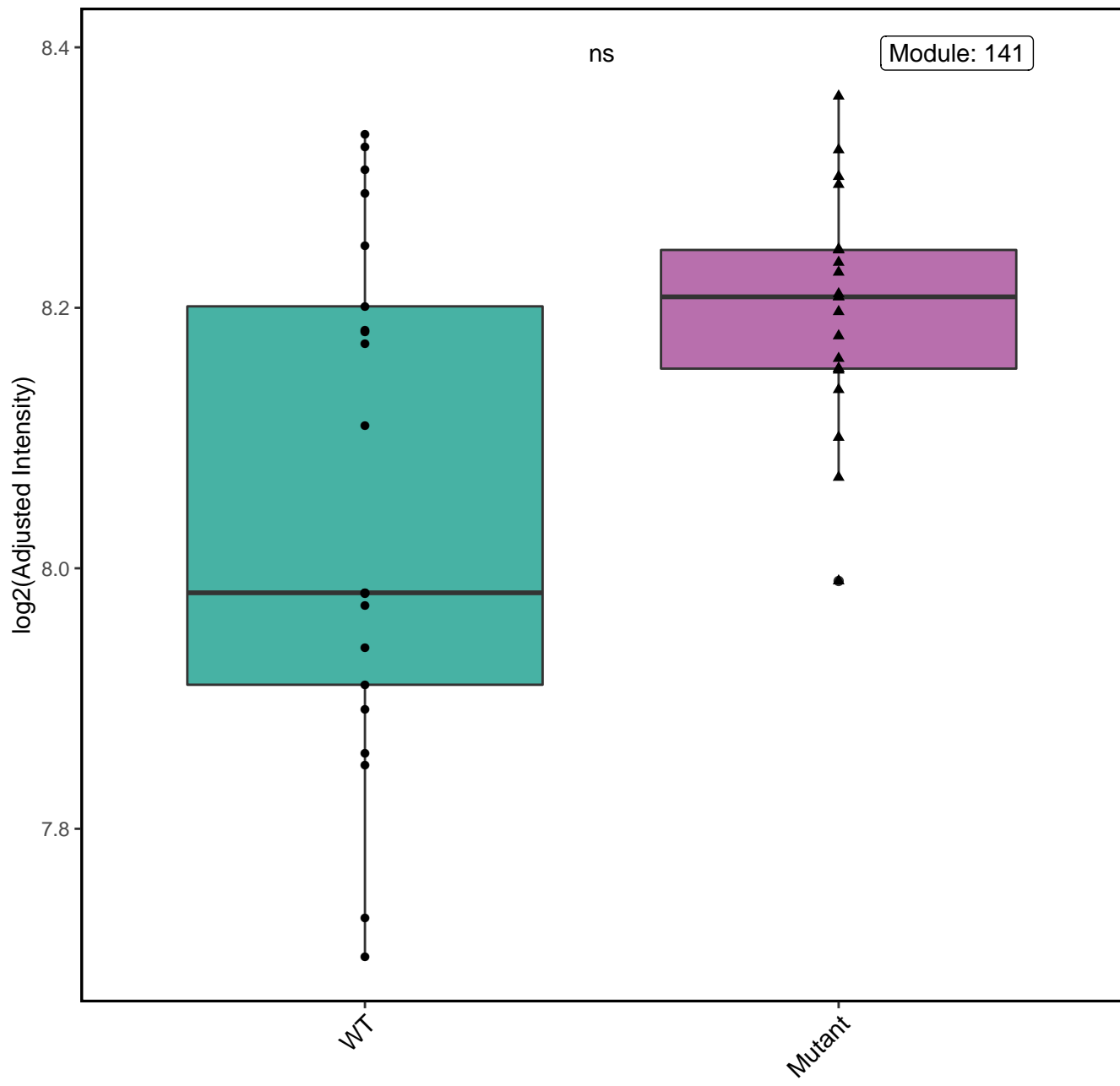
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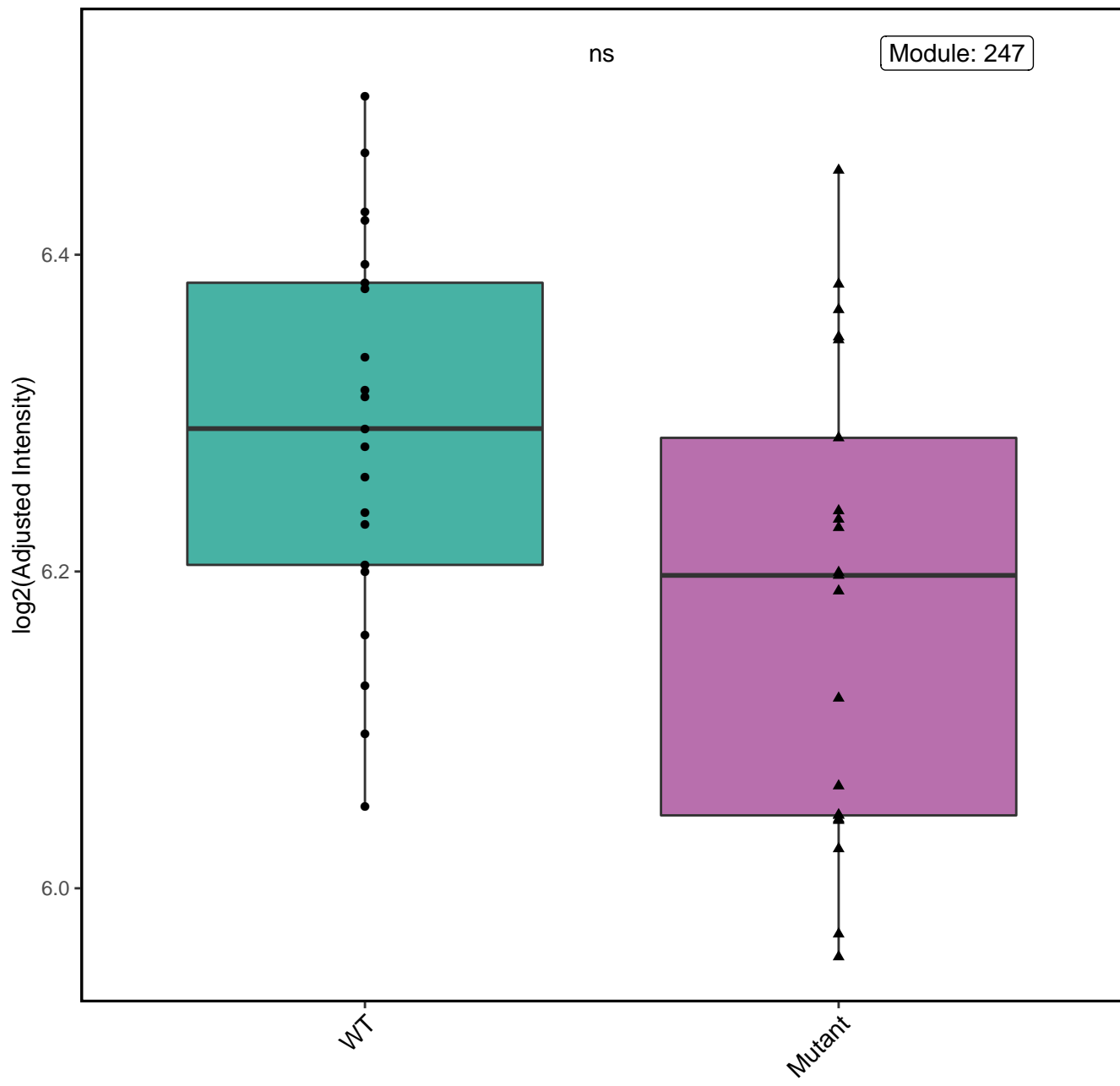
WT

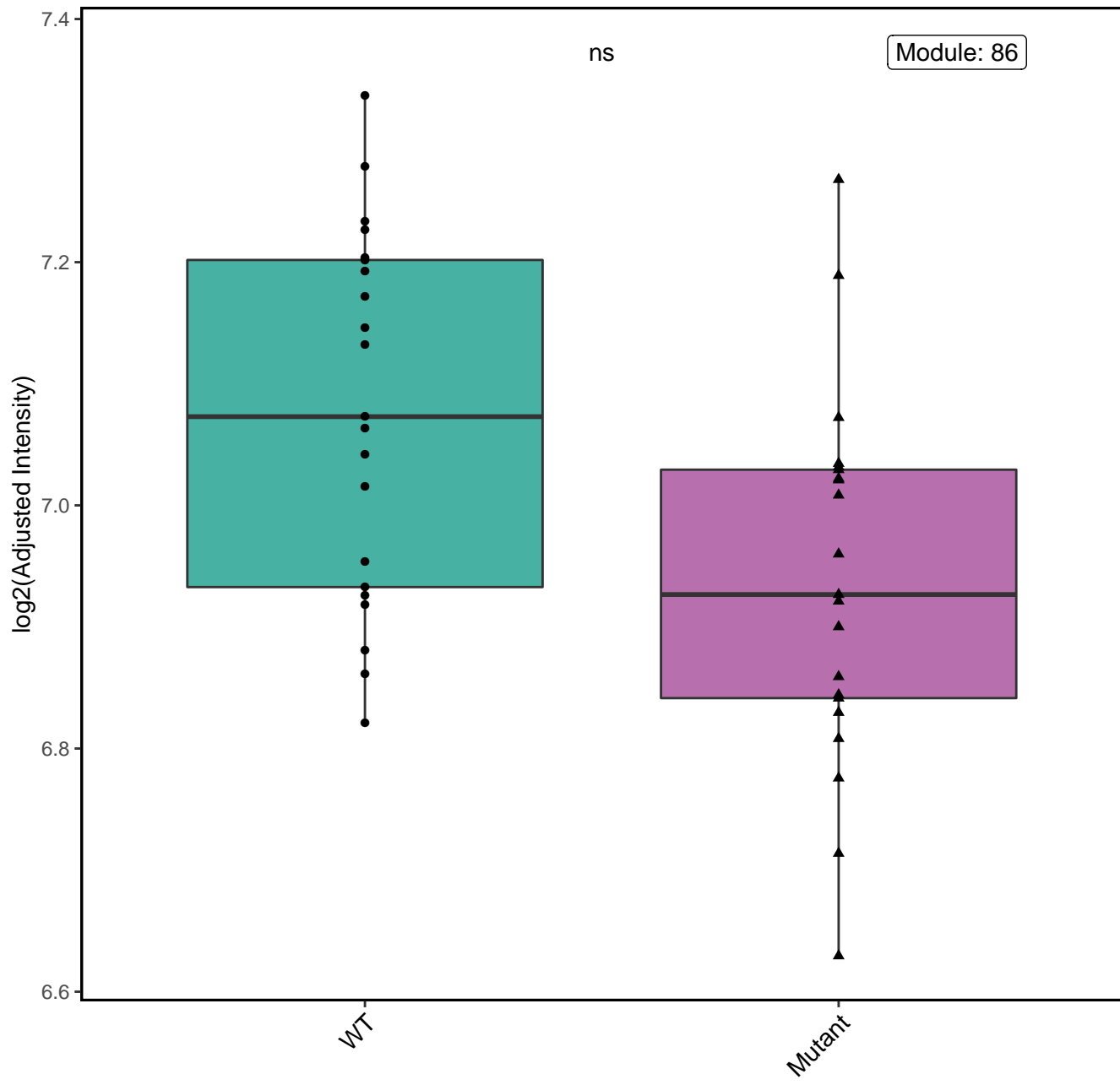
Mutant

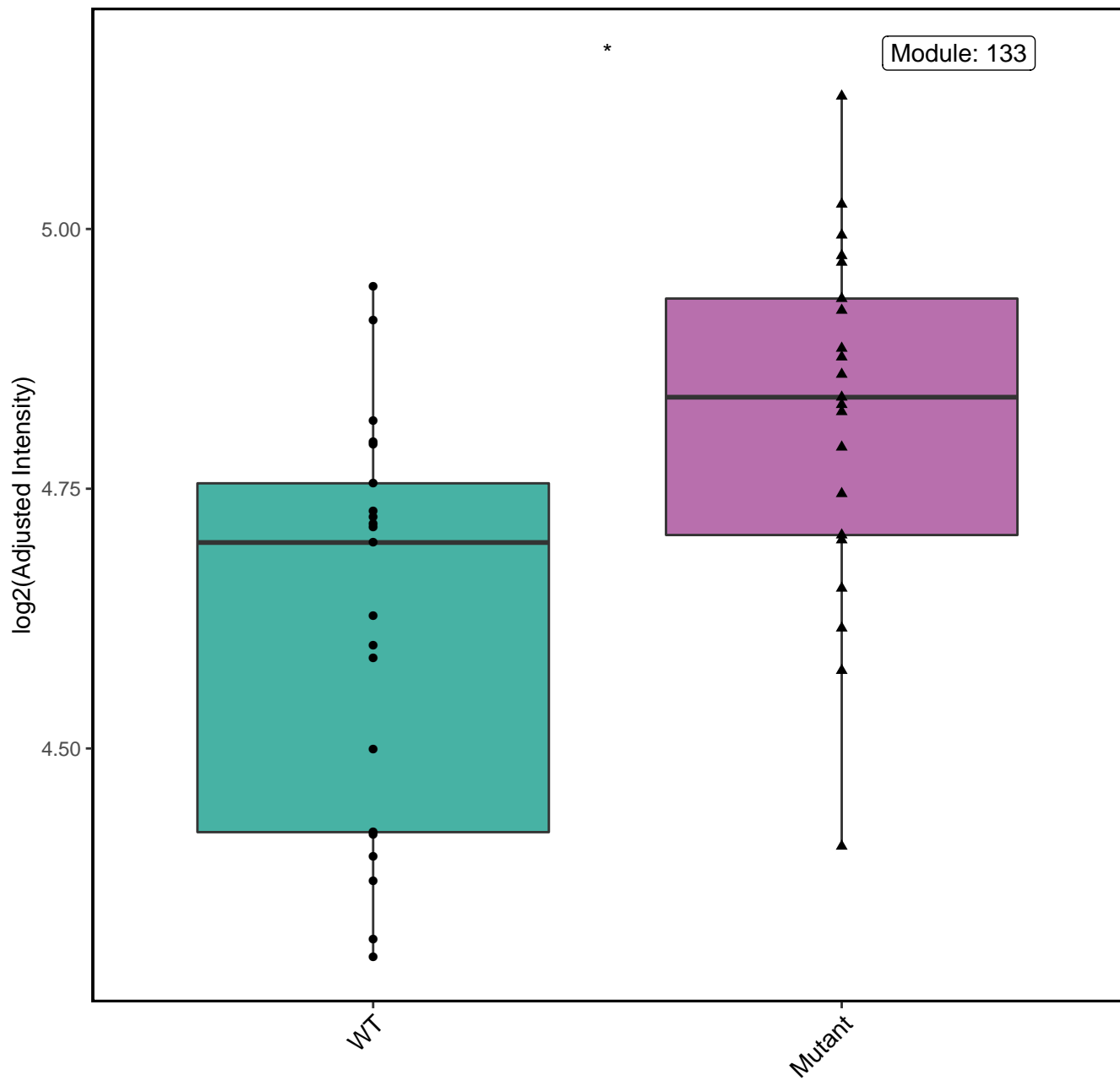












$\log_2(\text{Adjusted Intensity})$ 

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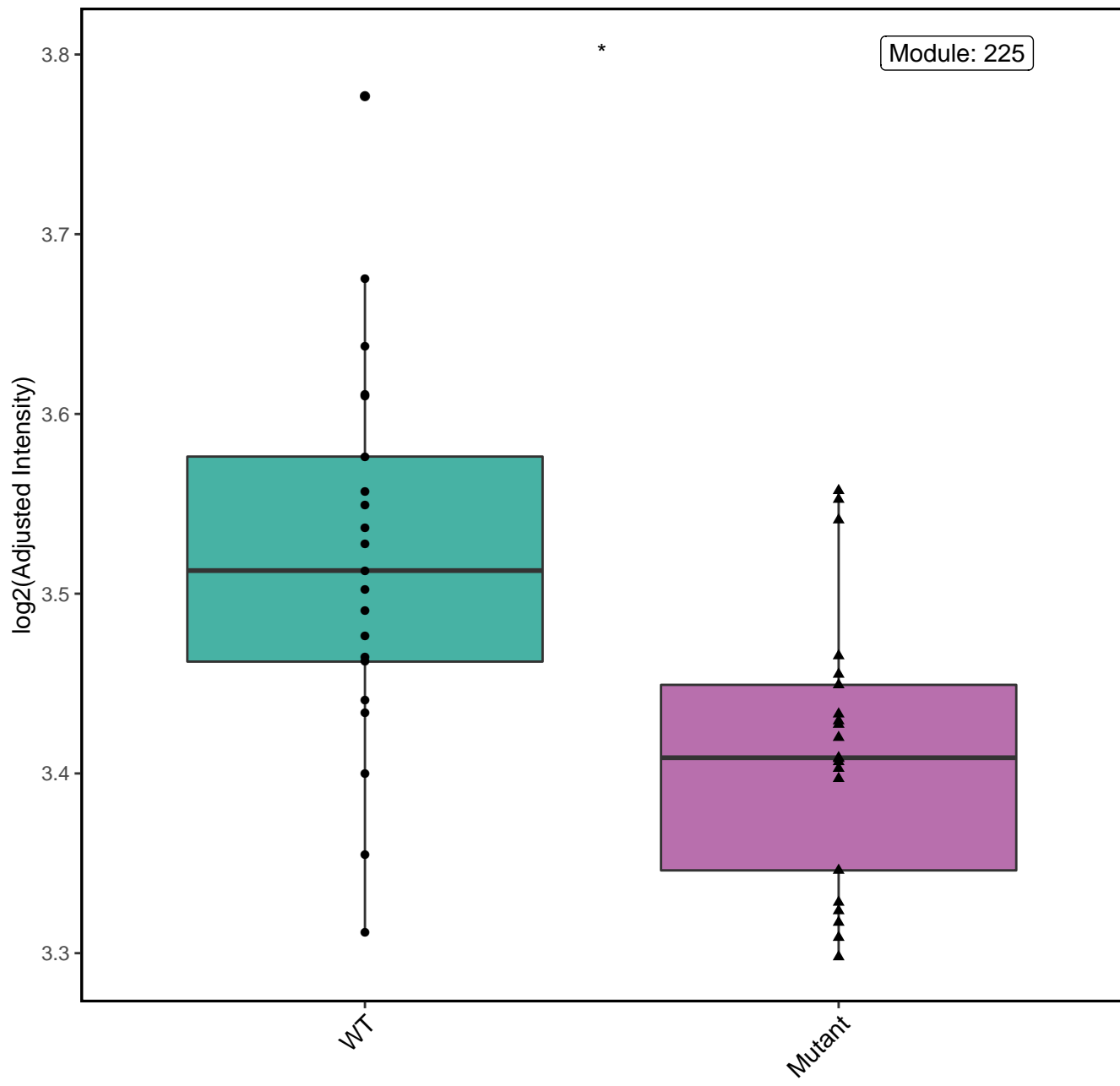
WT

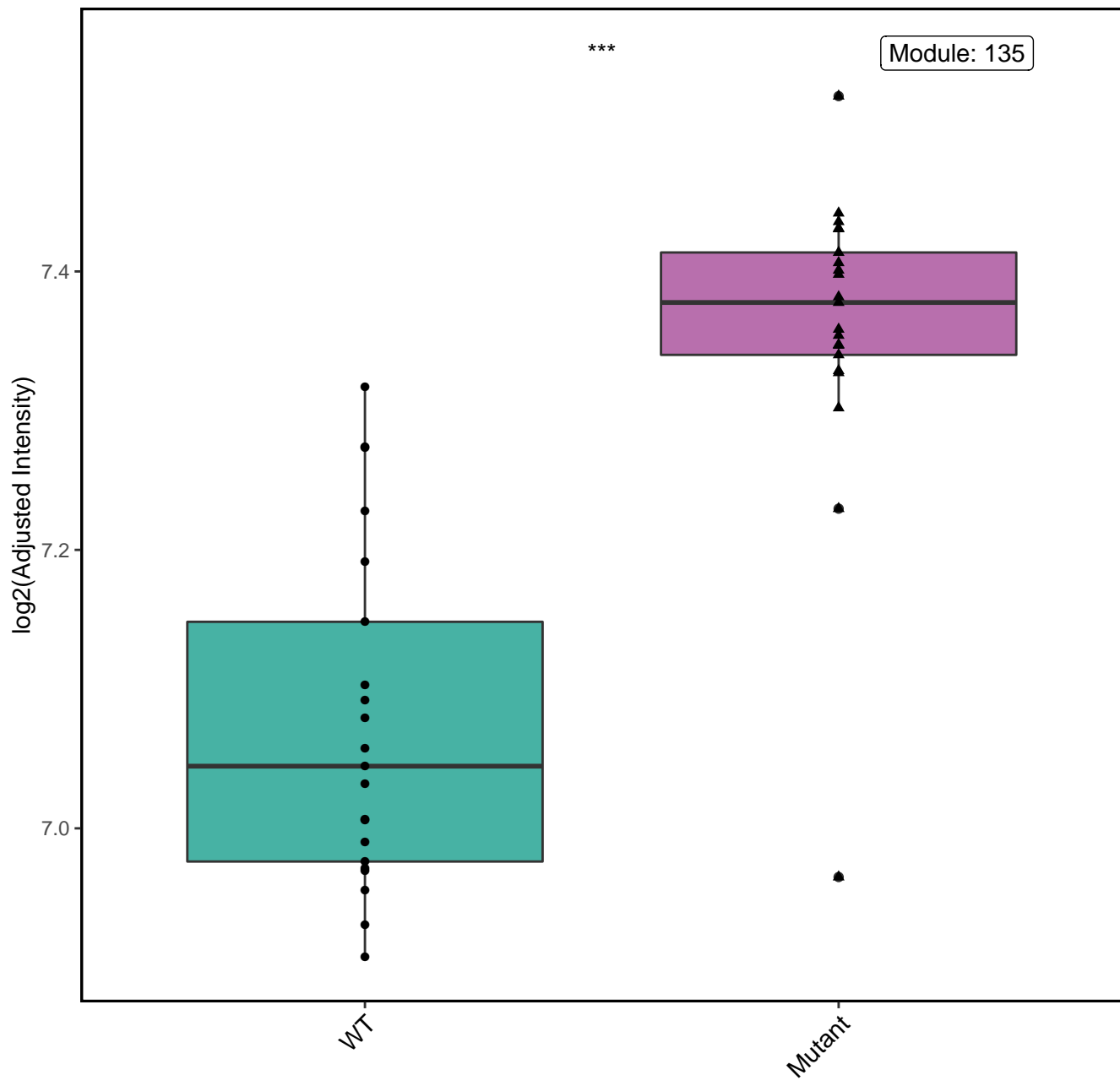
Mutant

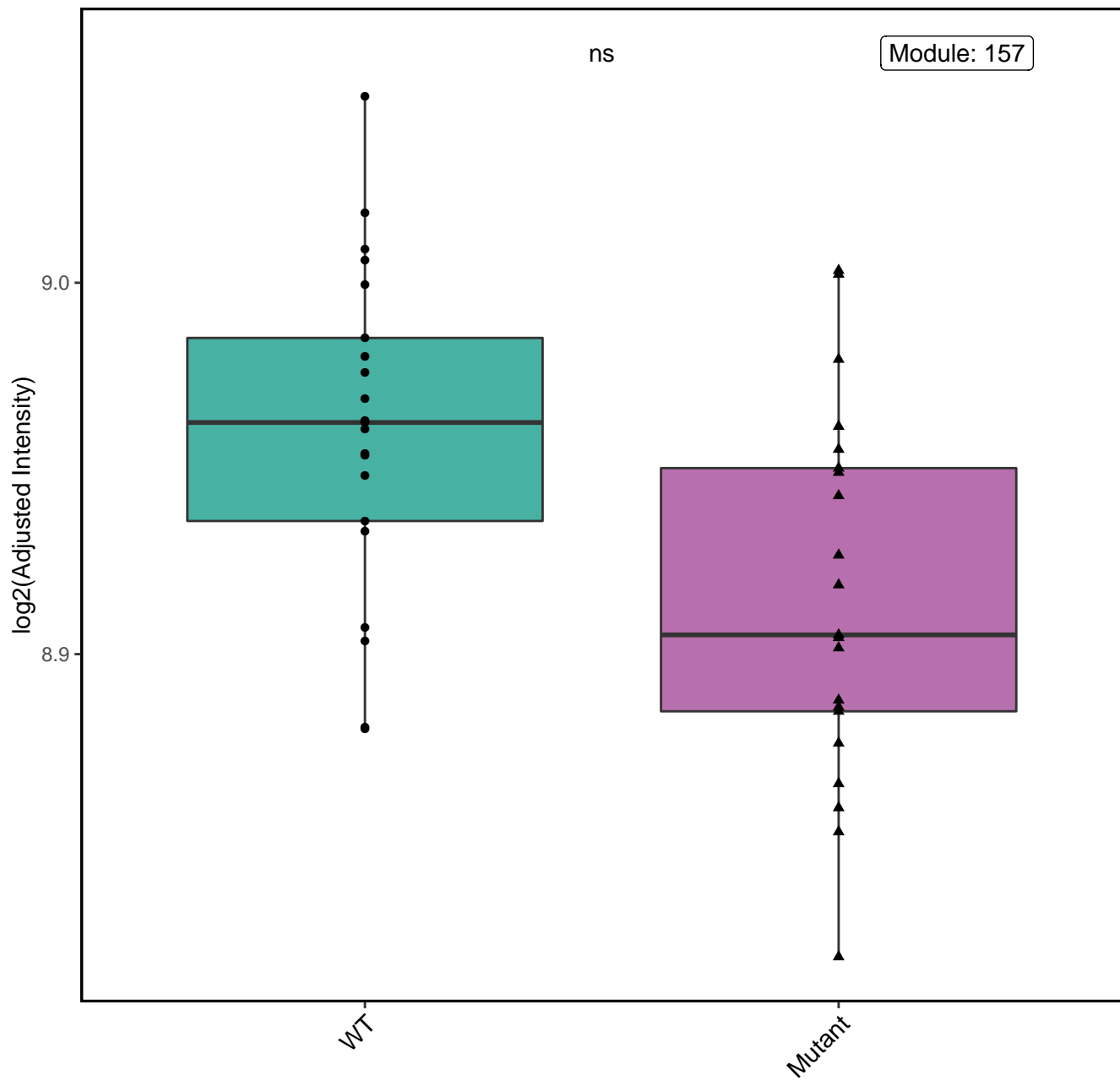
4.6

4.4

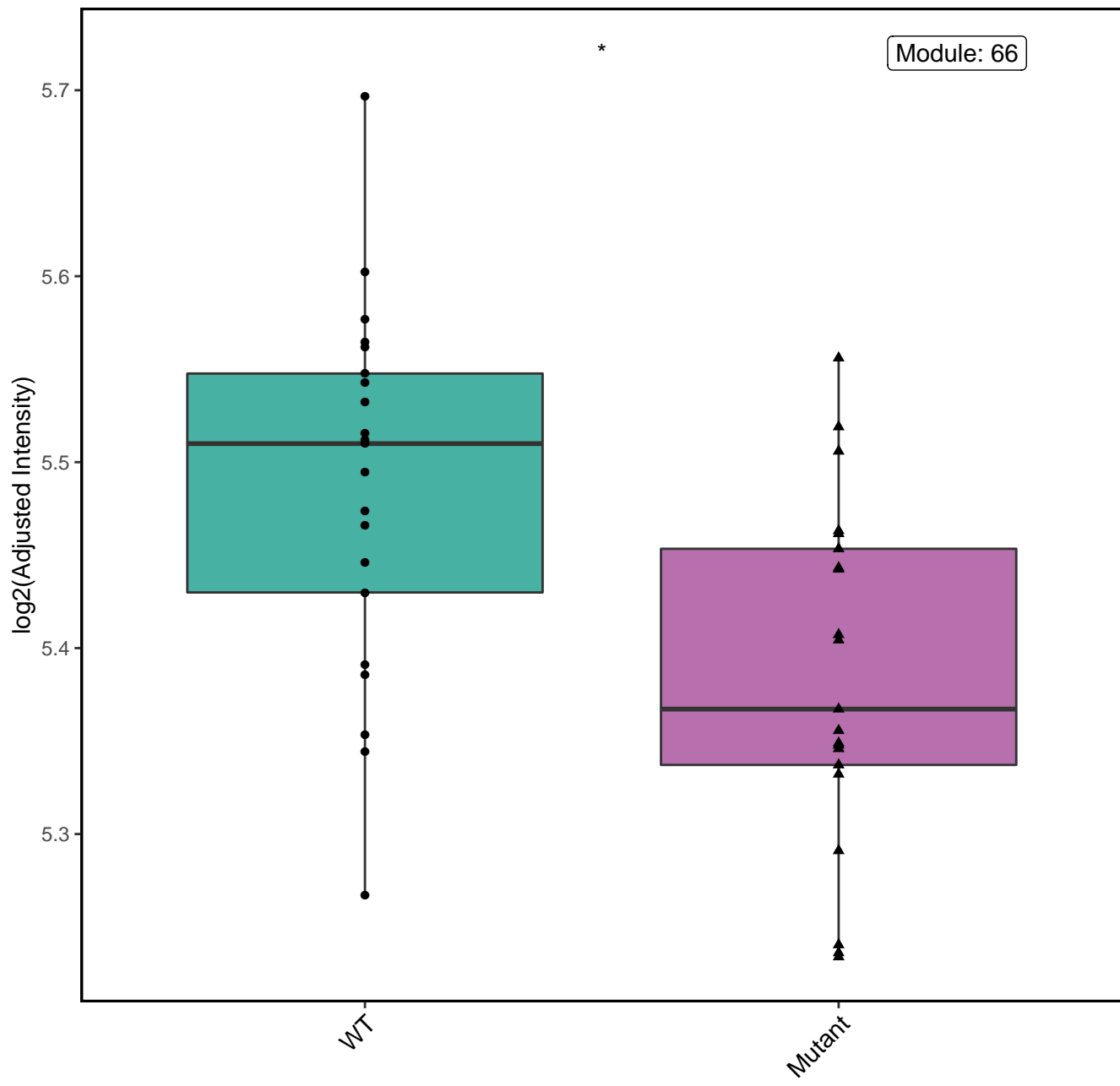
4.2

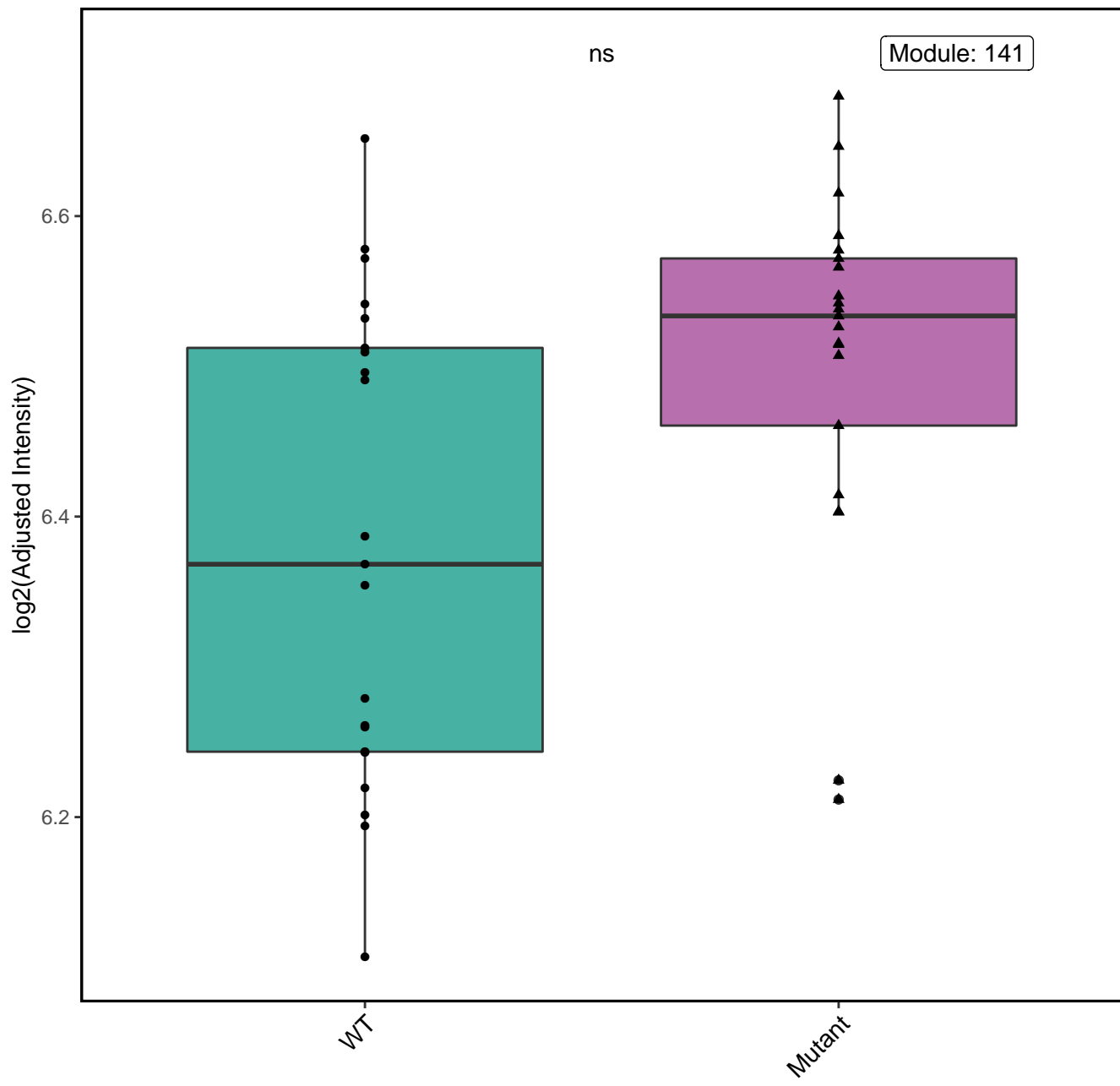


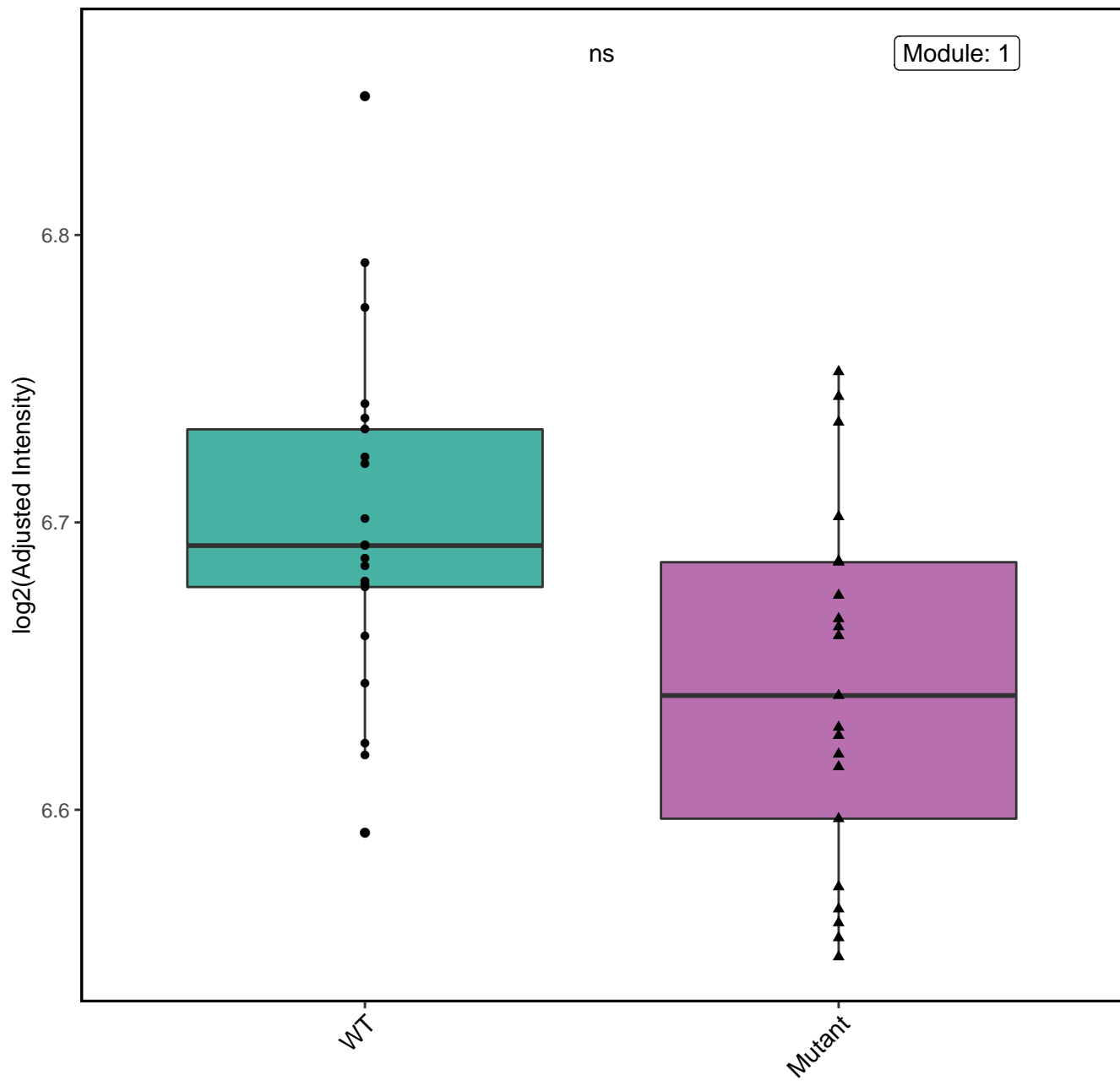


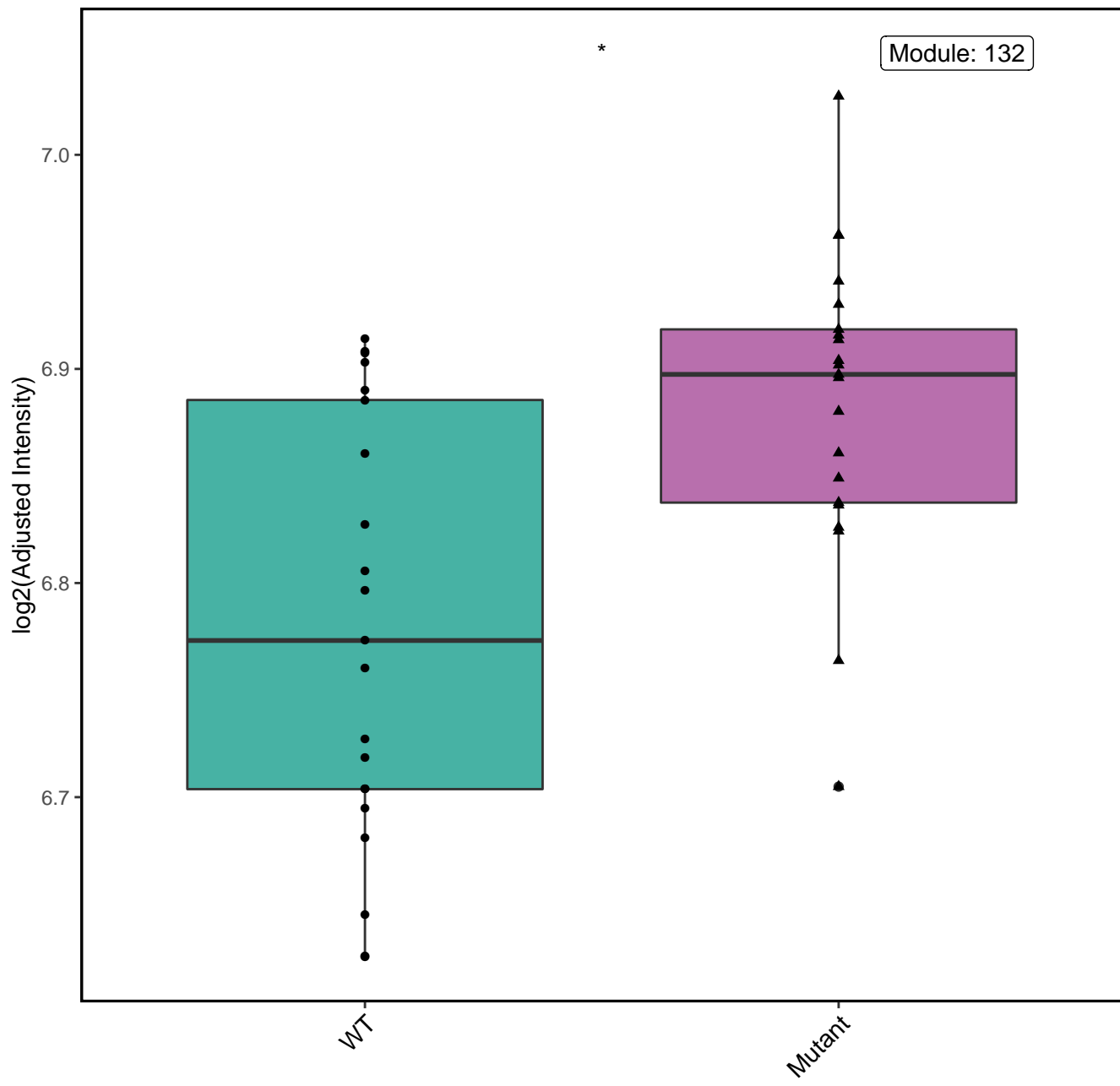


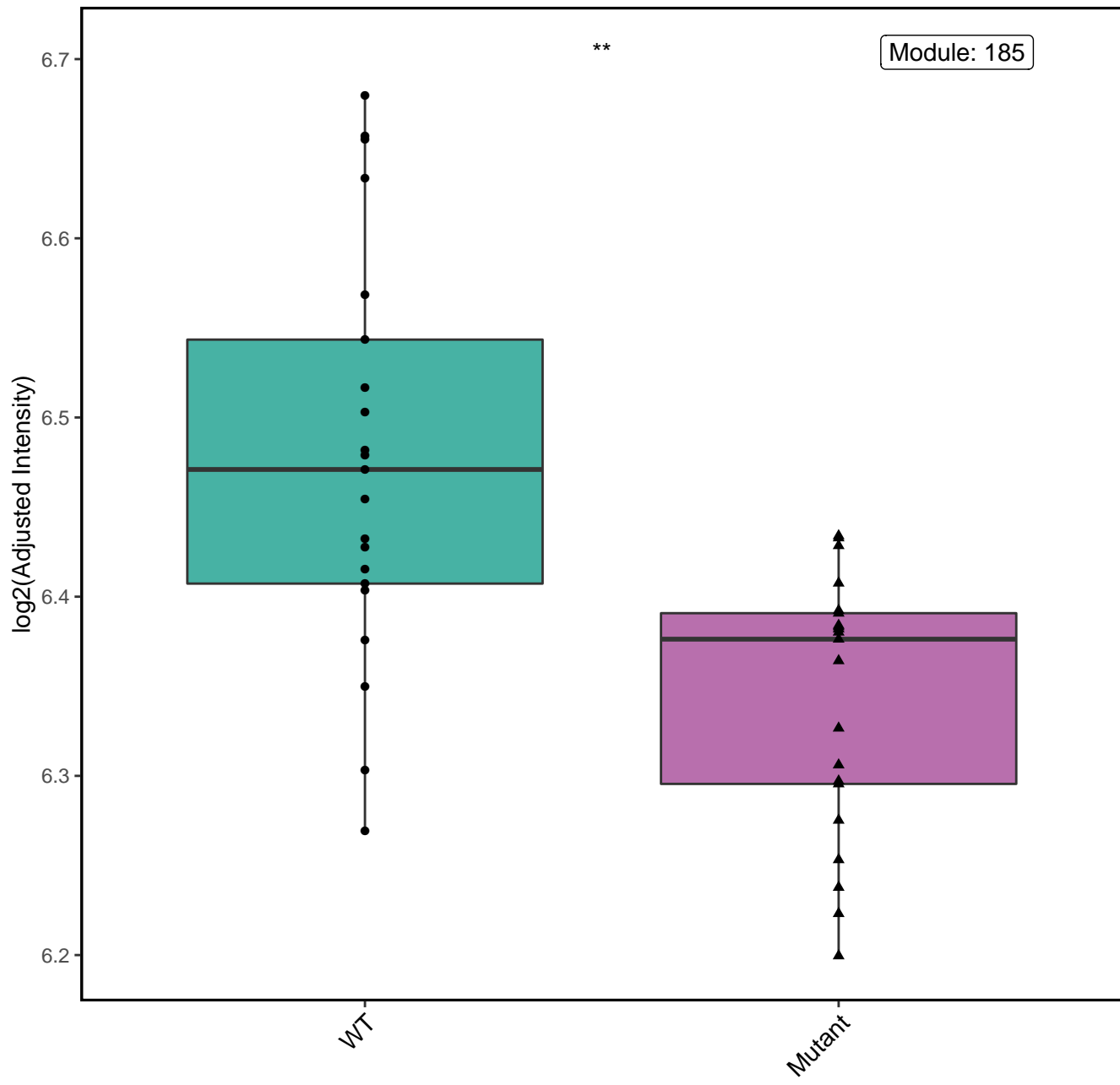


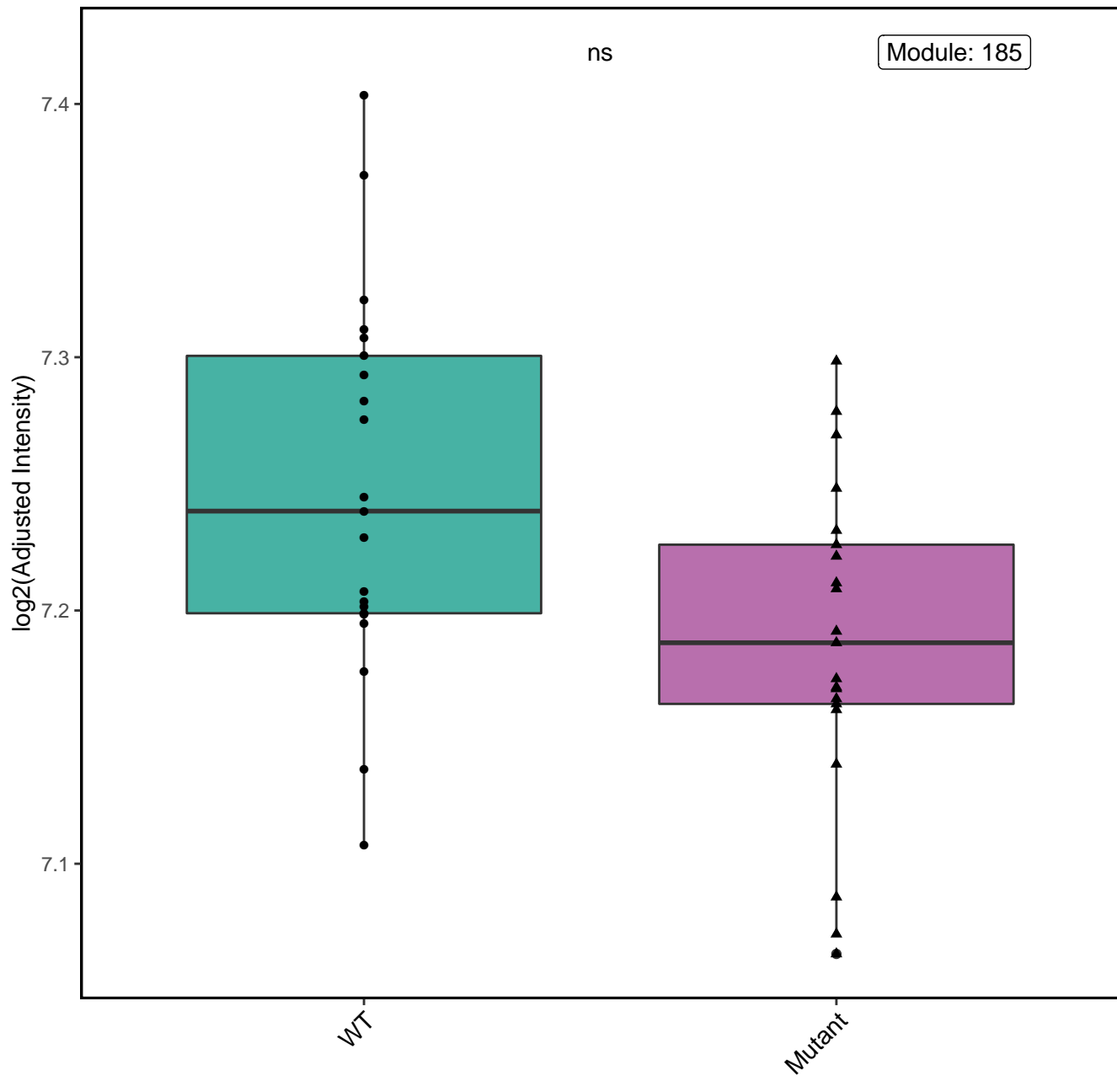


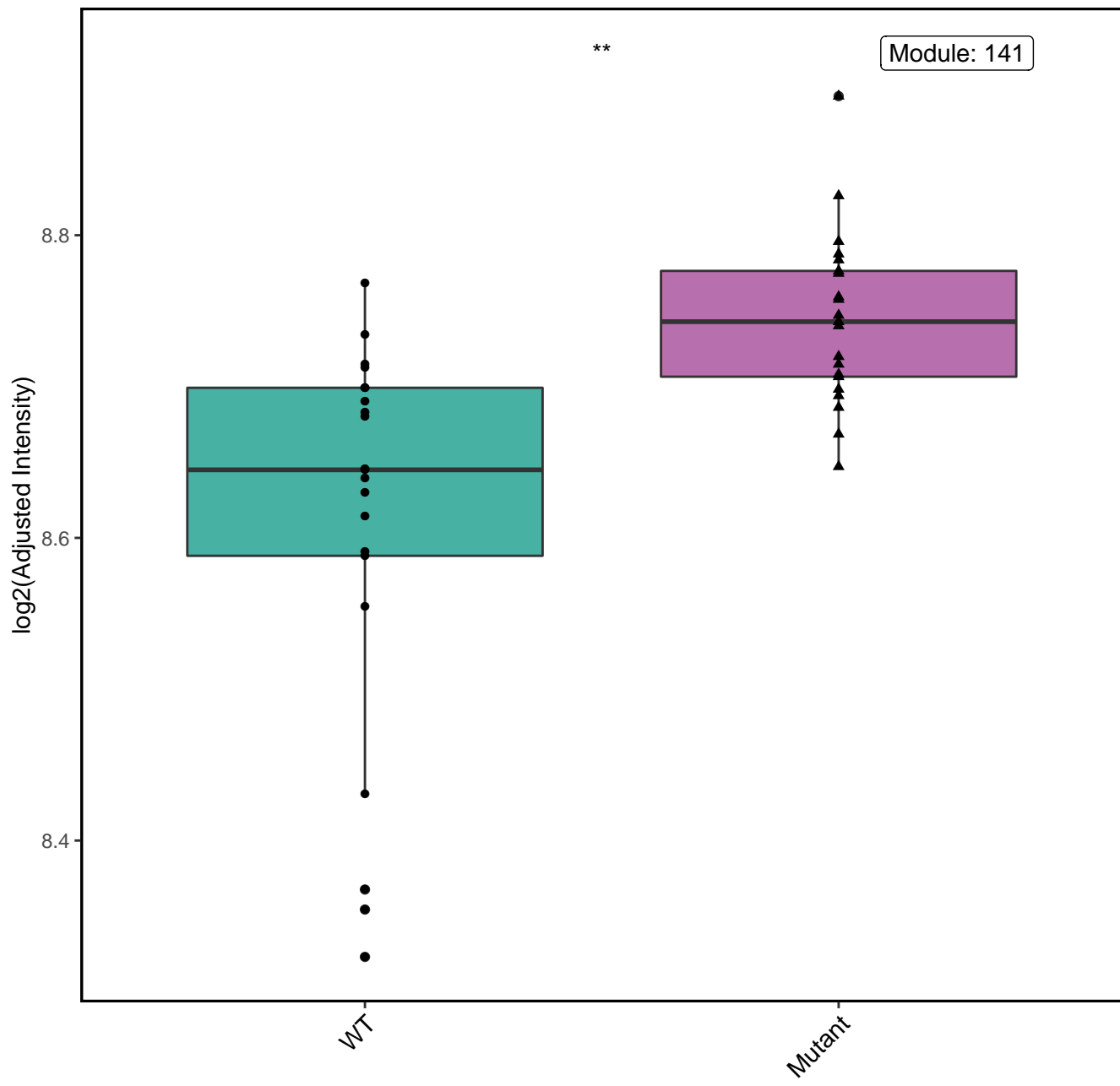


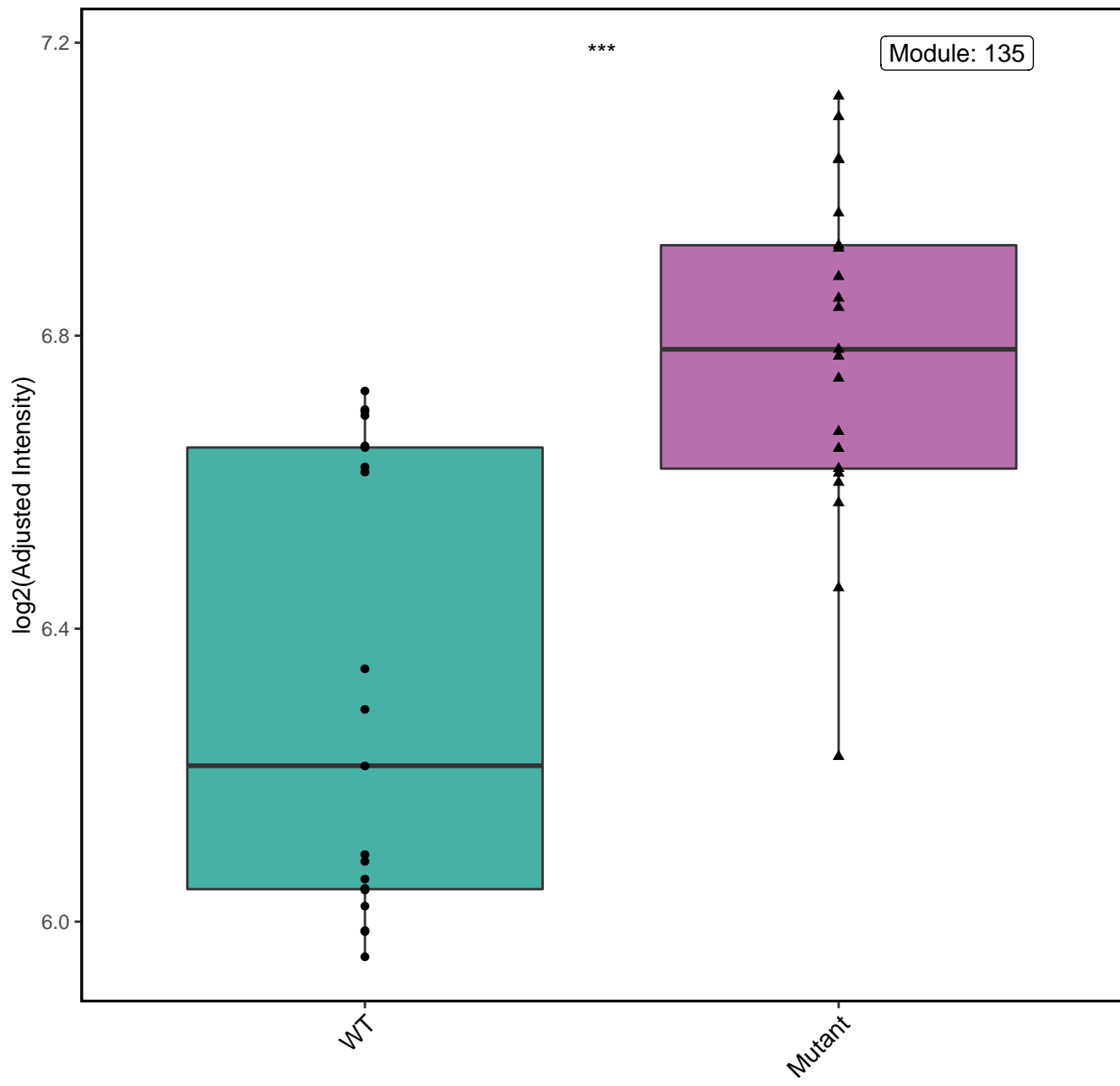




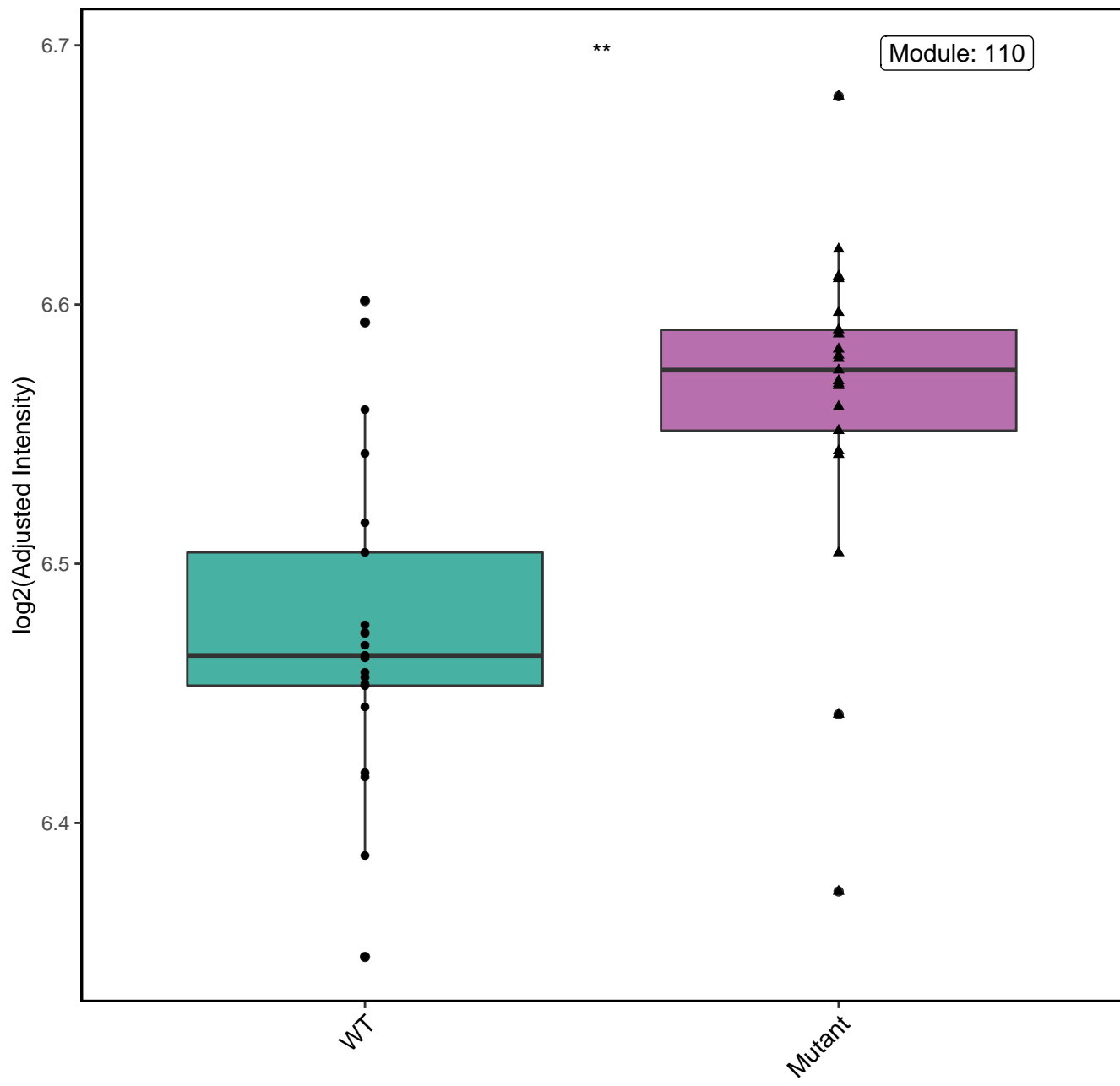


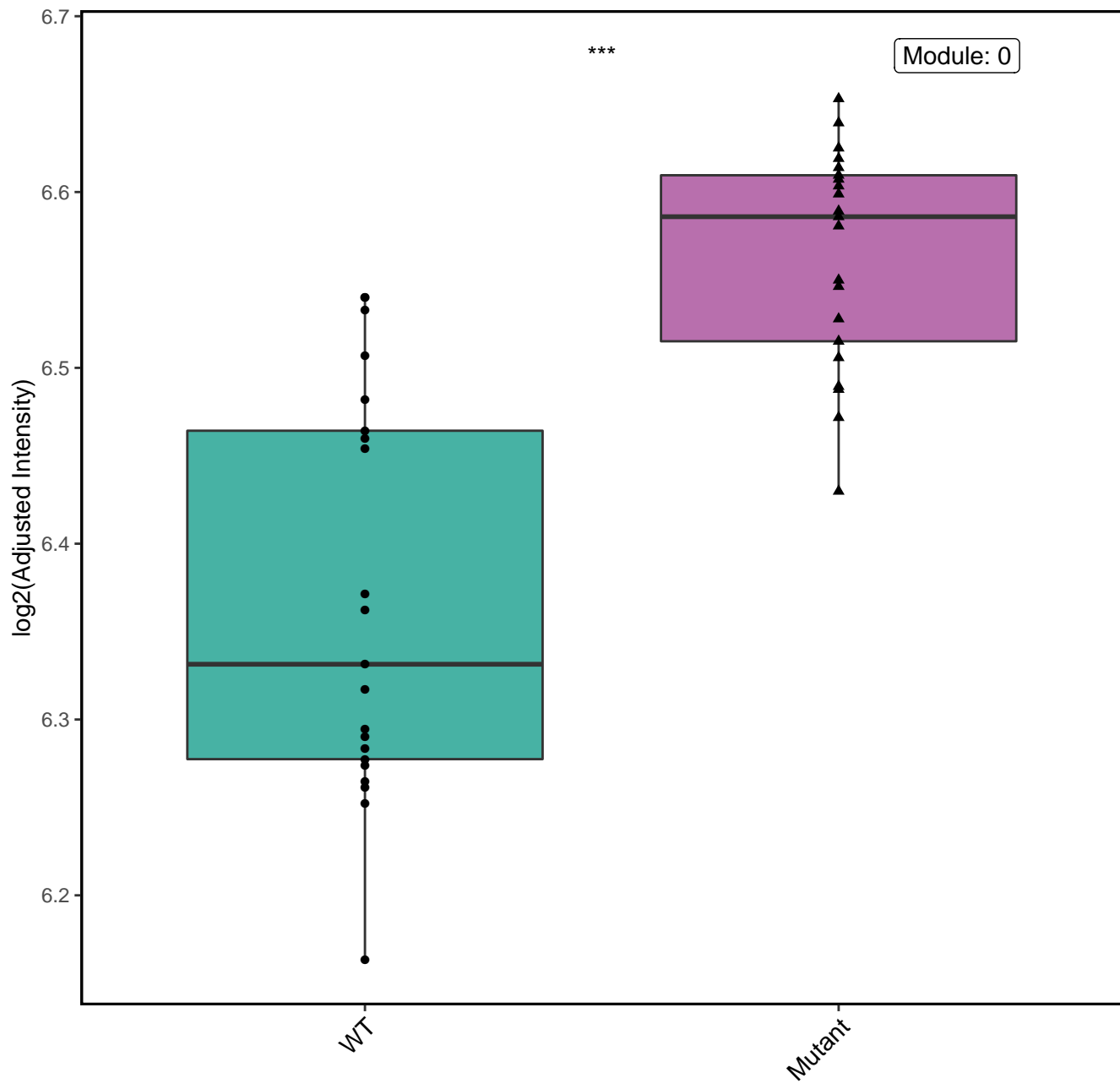


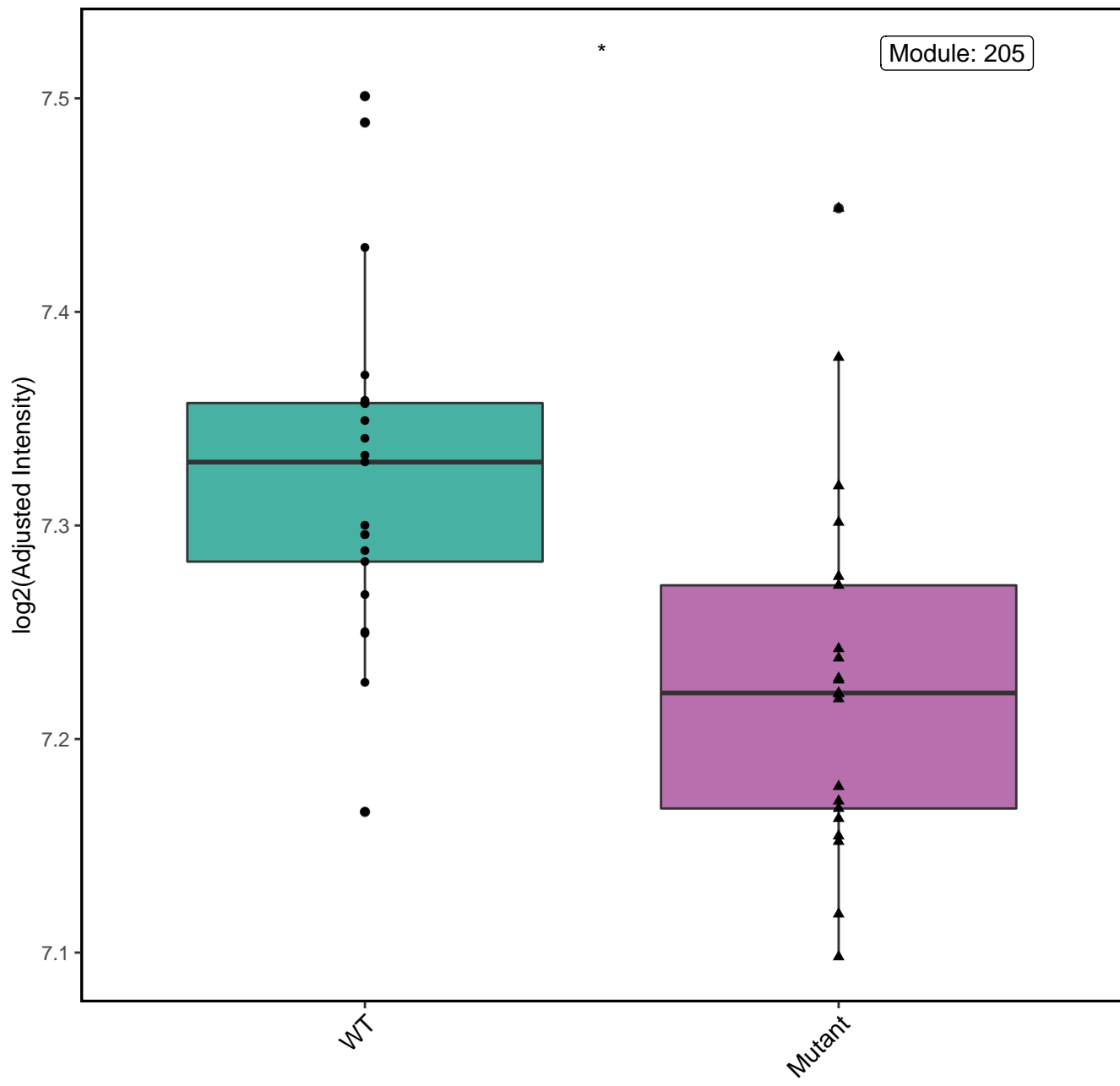


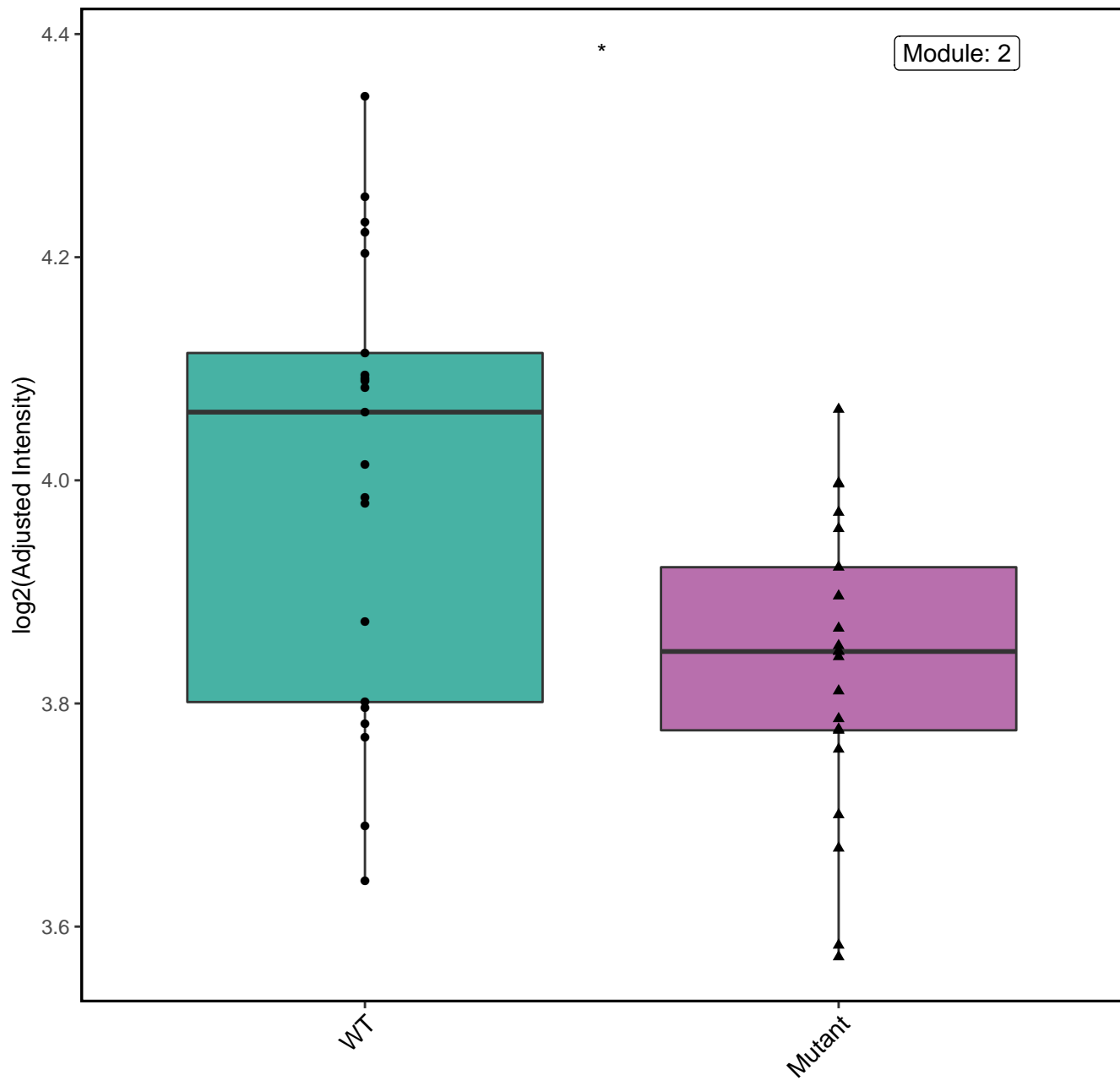


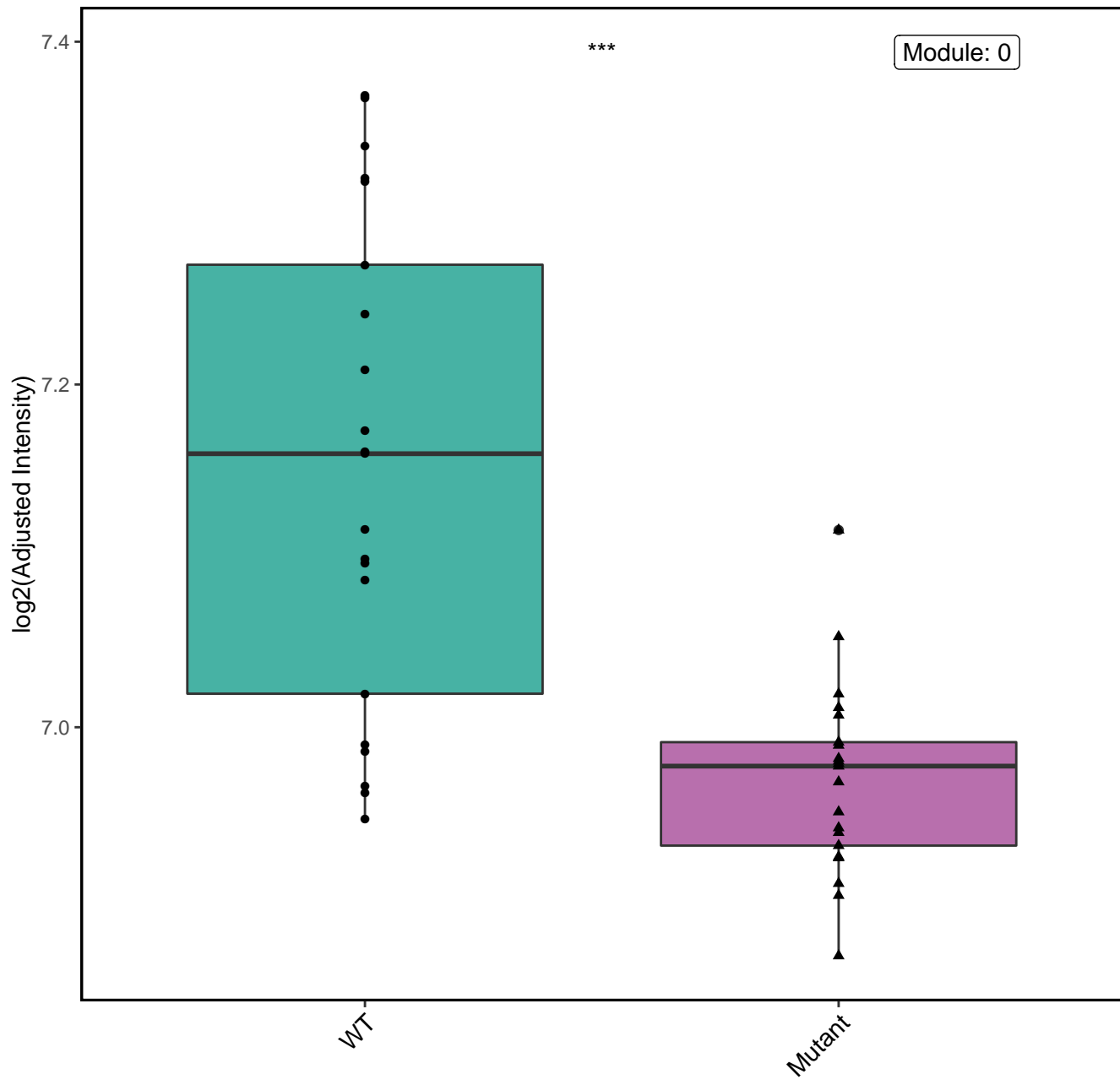


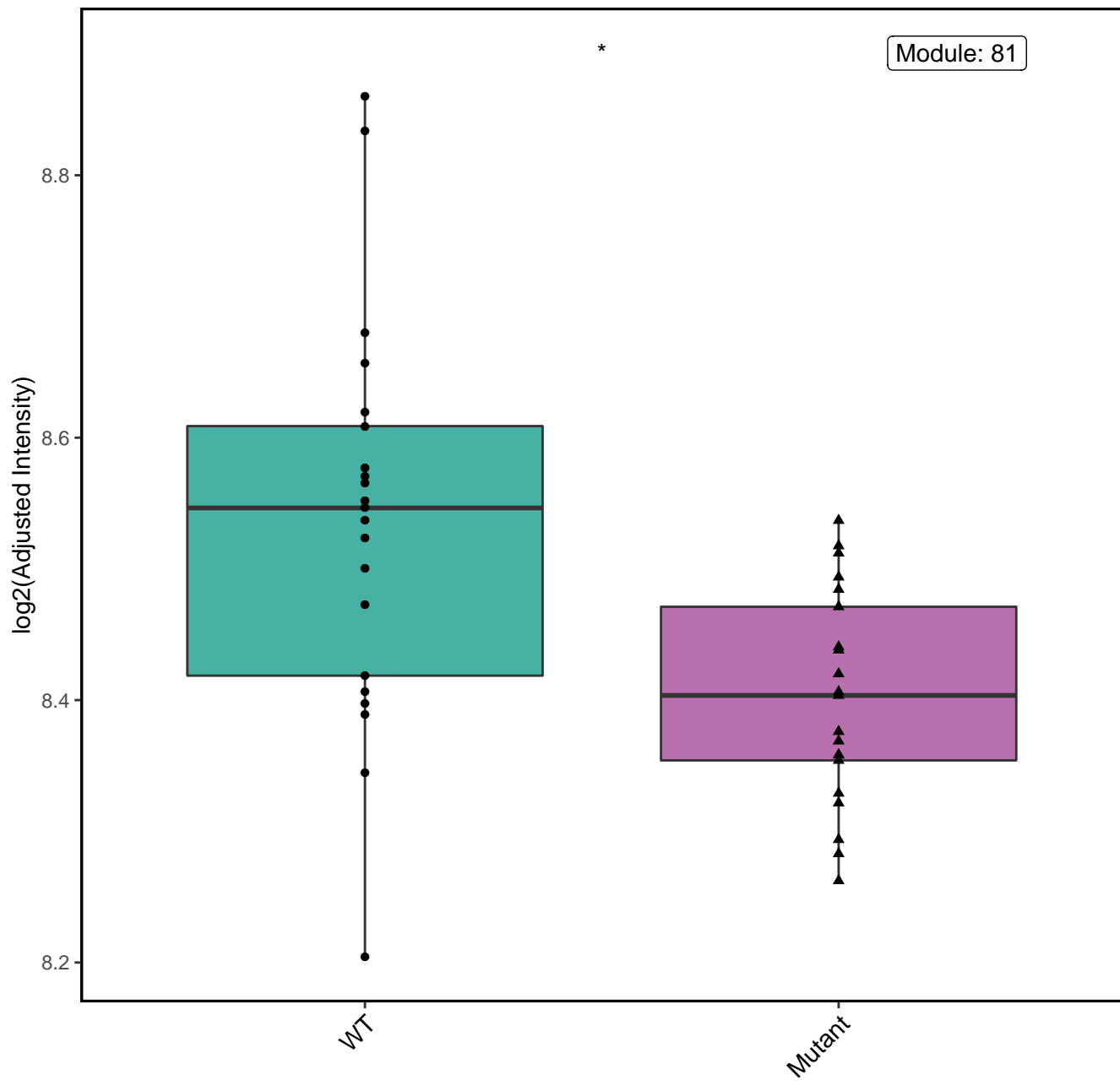


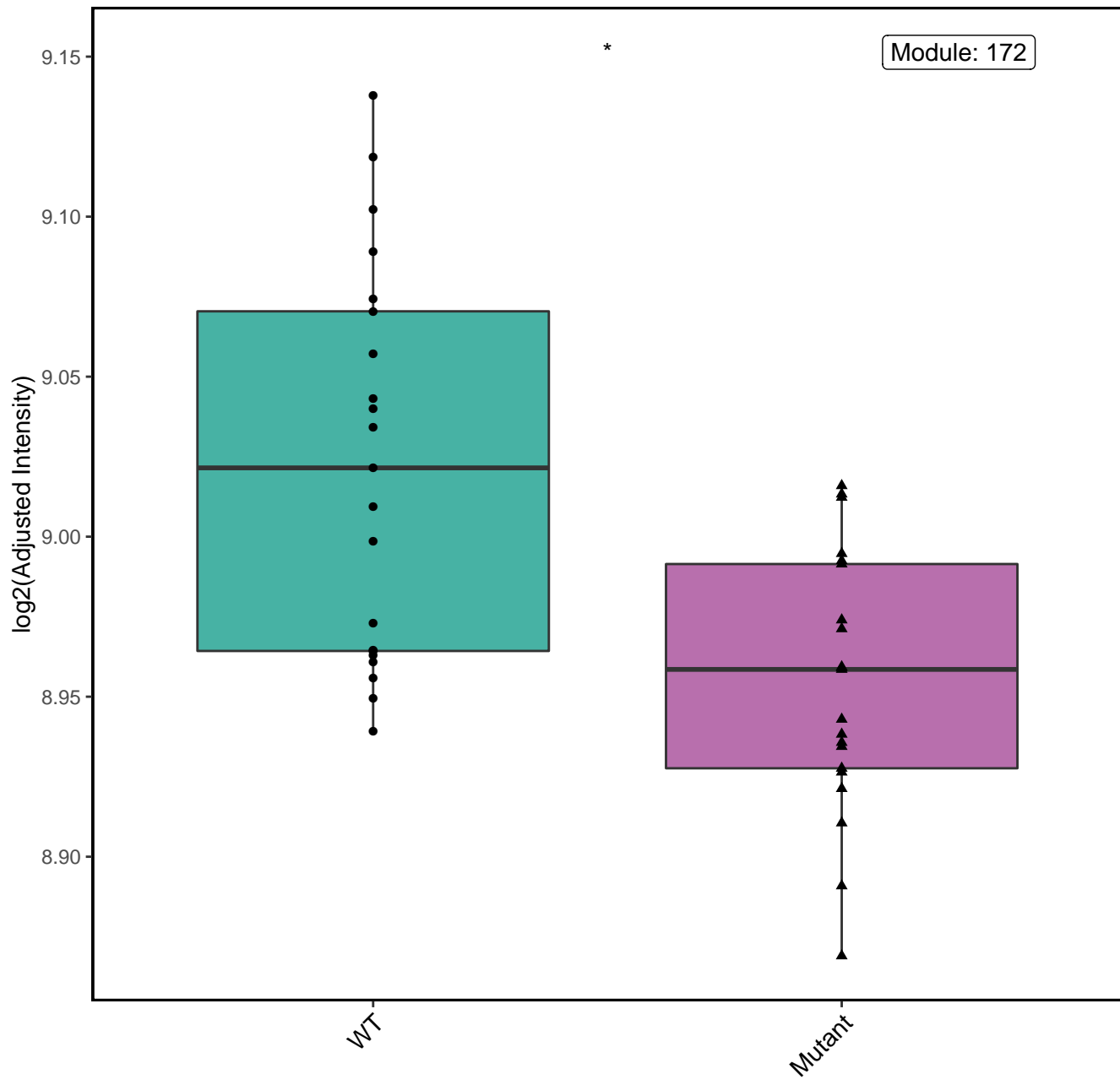


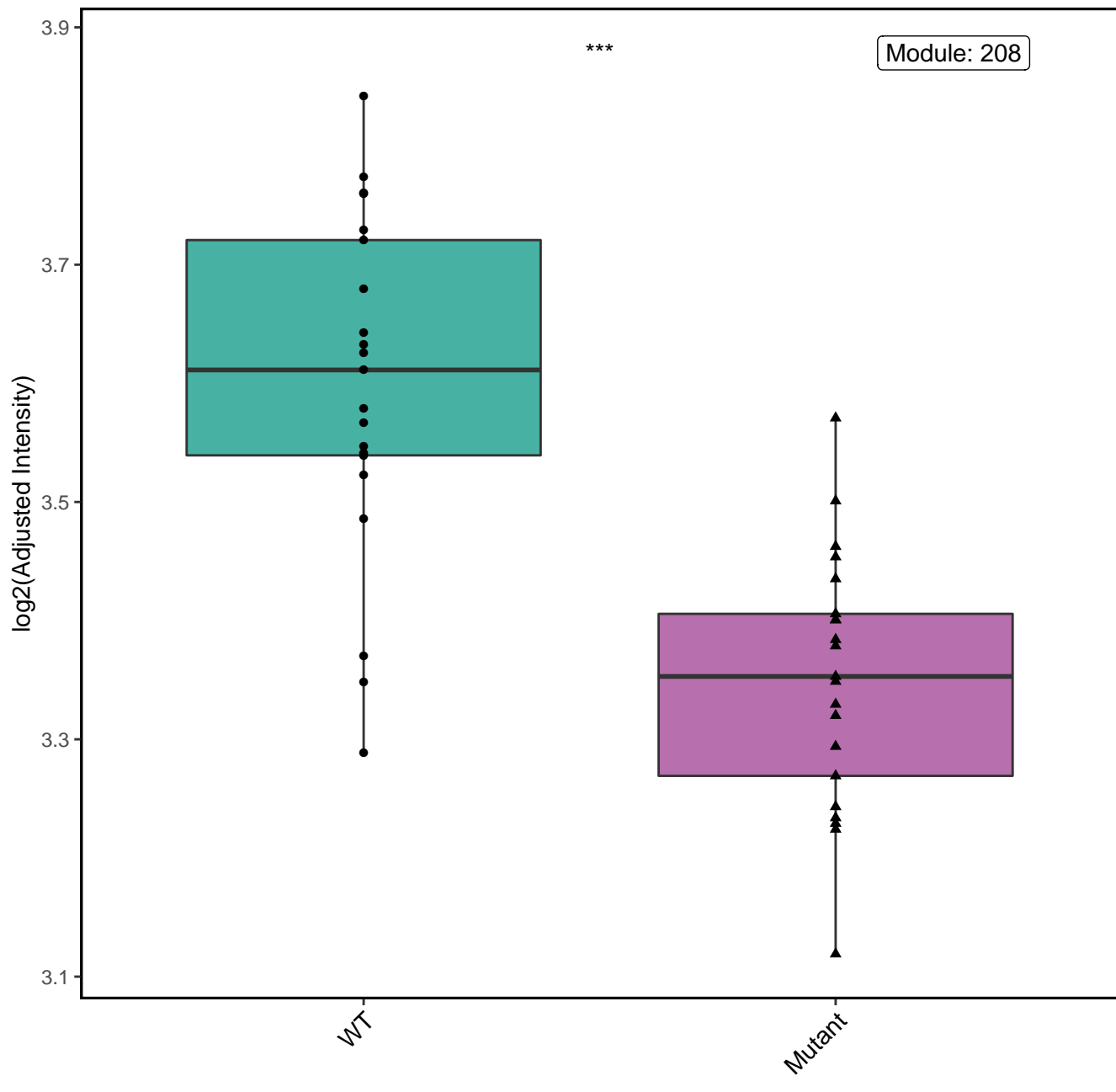




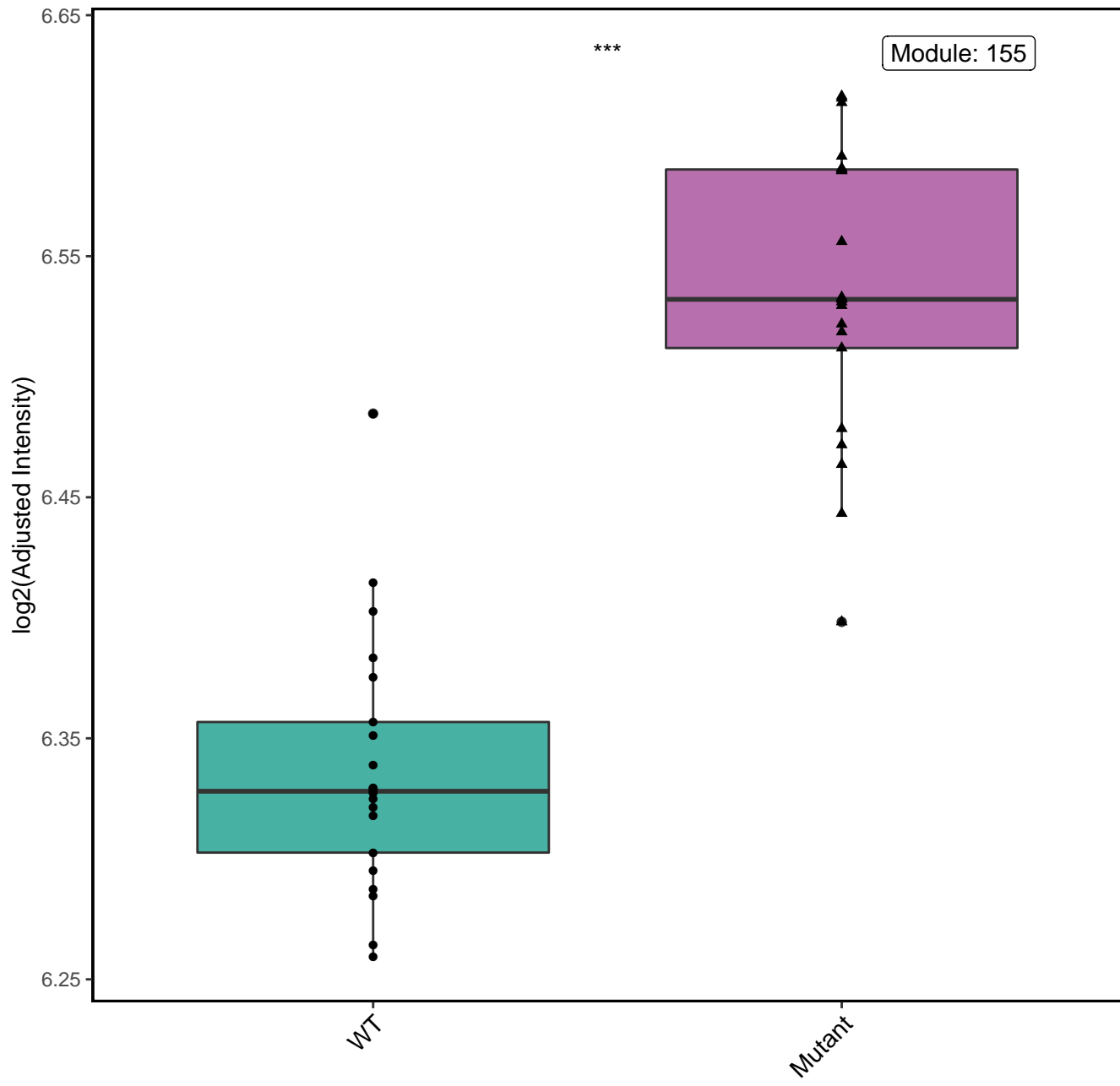


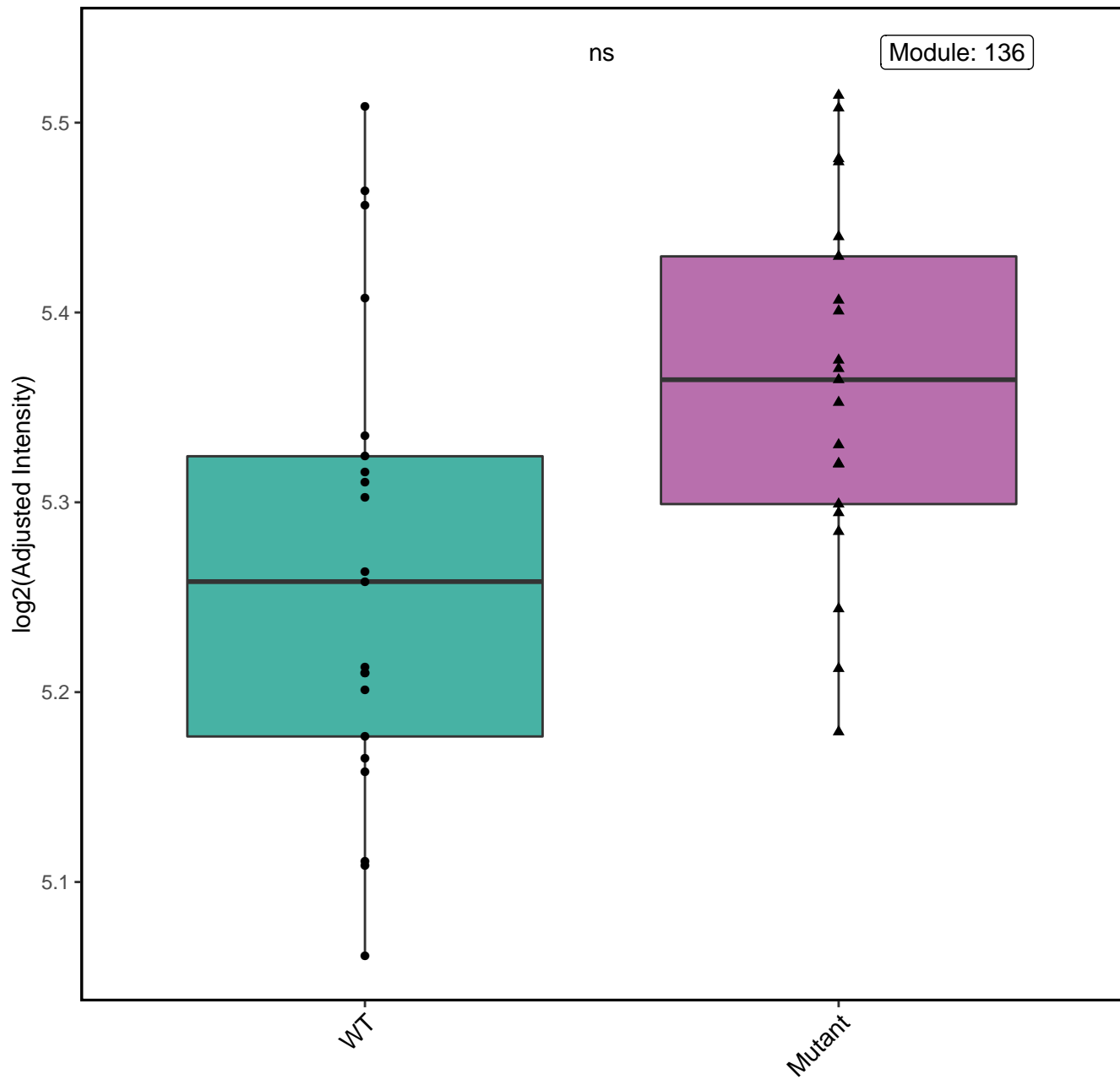


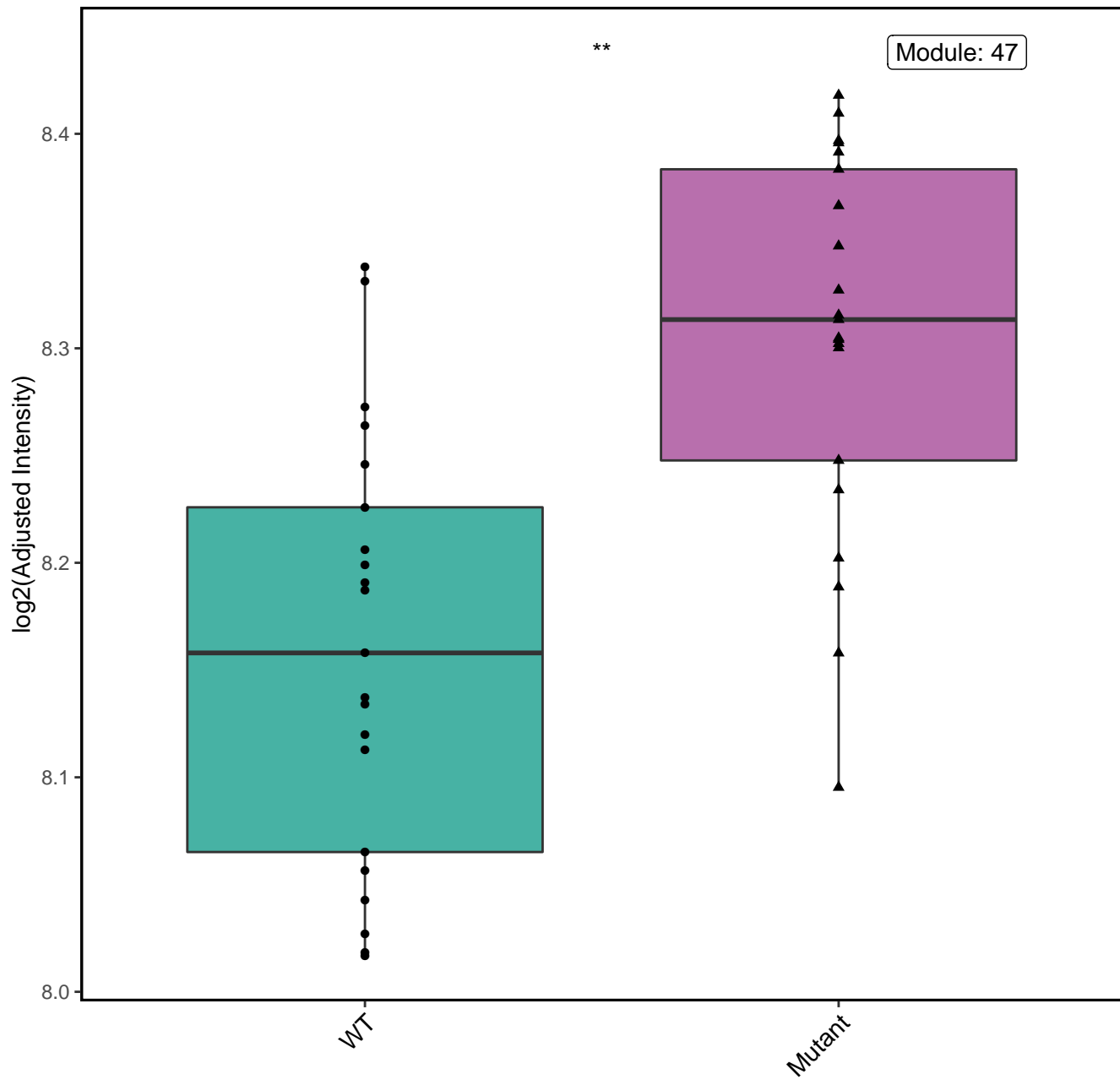


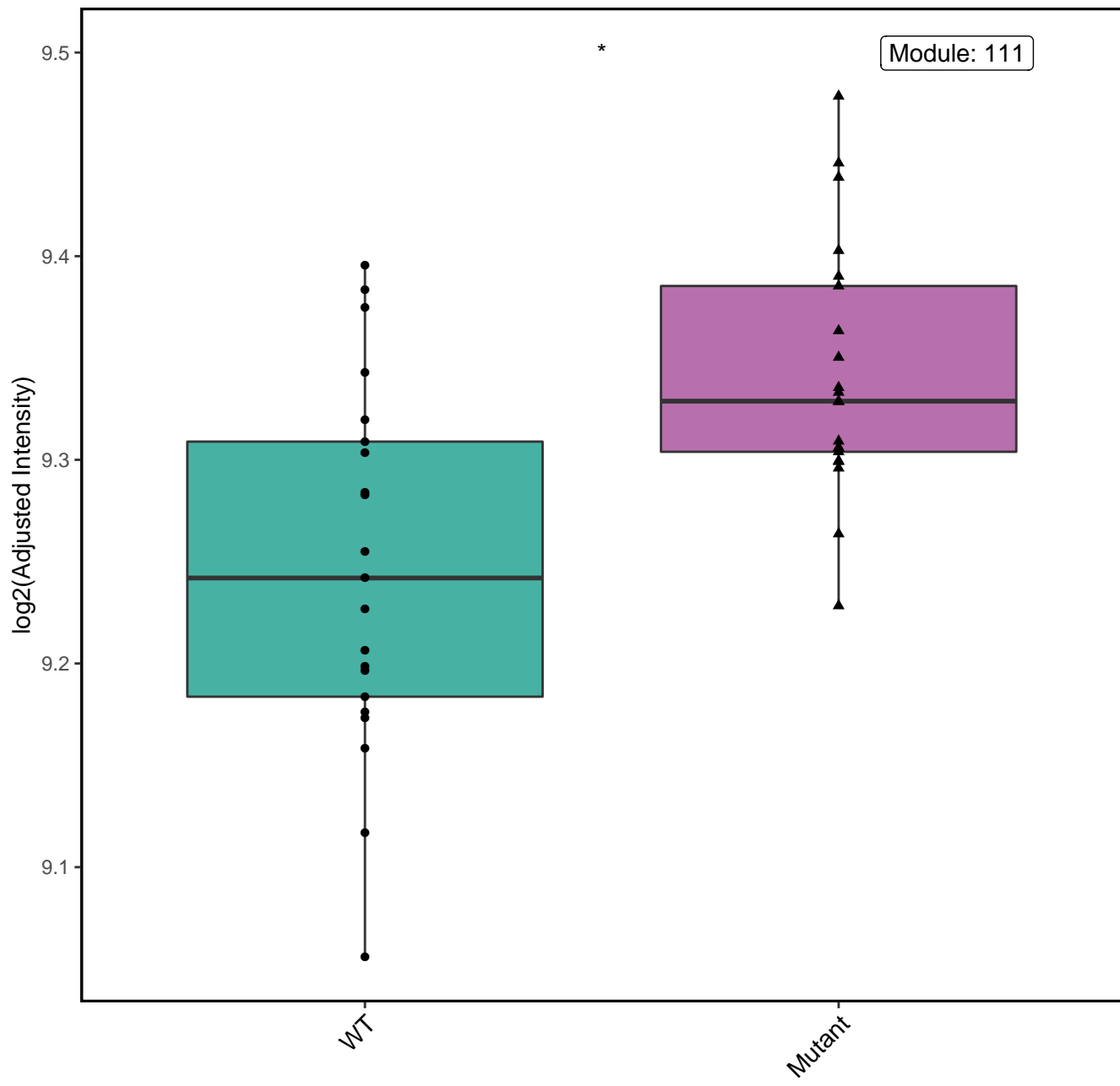










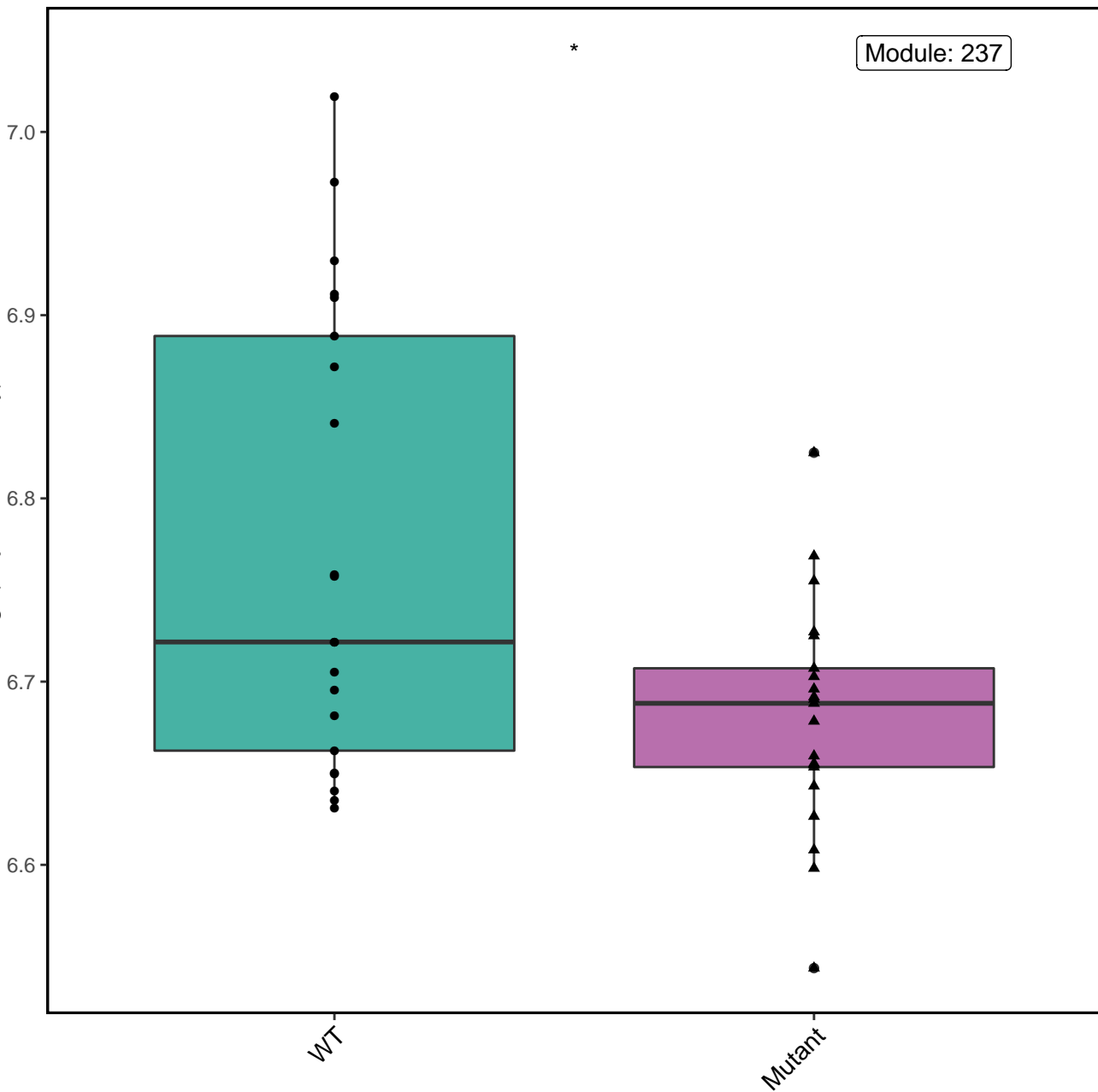


log2(Adjusted Intensity)

WT

Mutant

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log2(Adjusted Intensity)

7.25

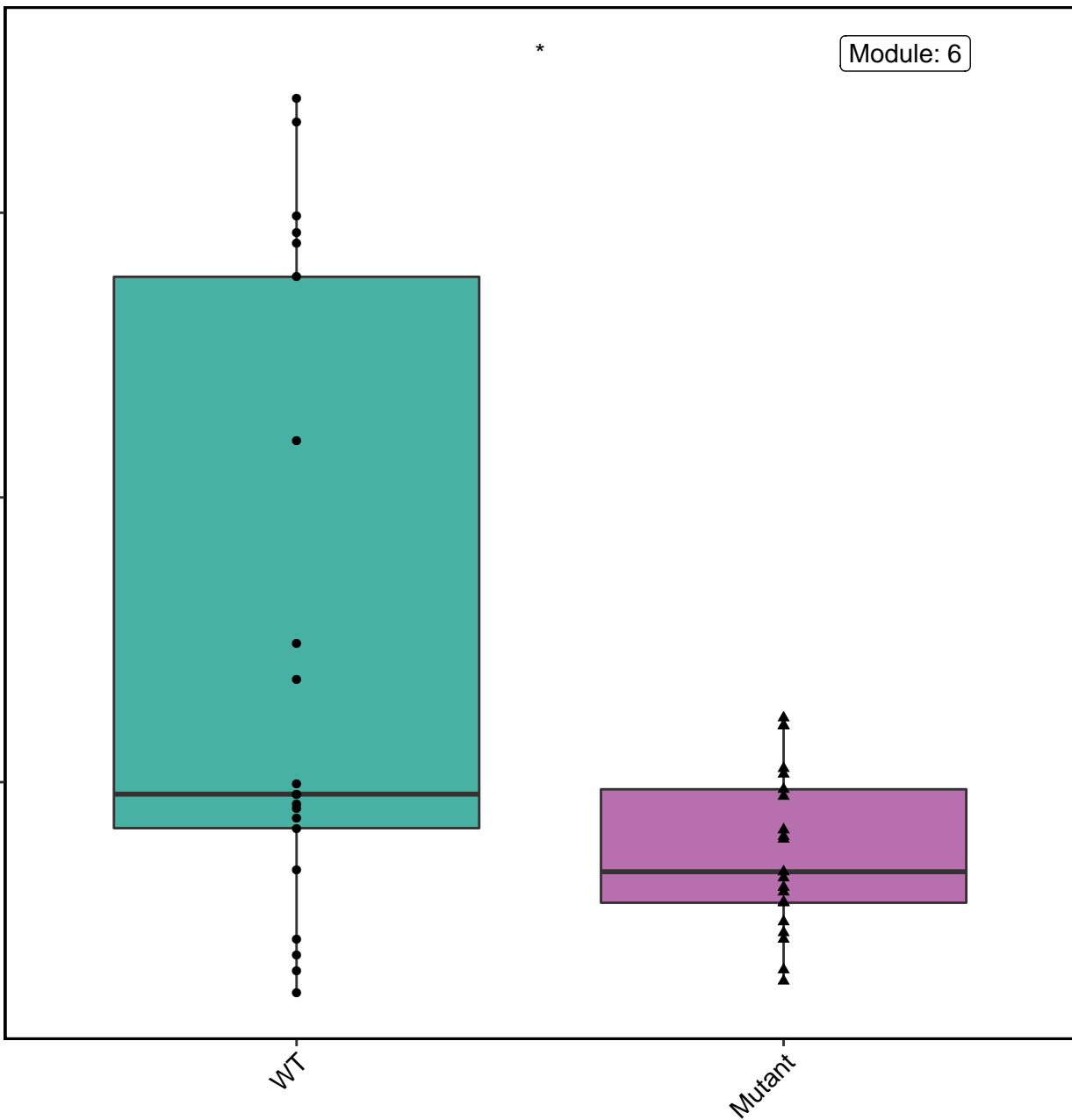
7.00

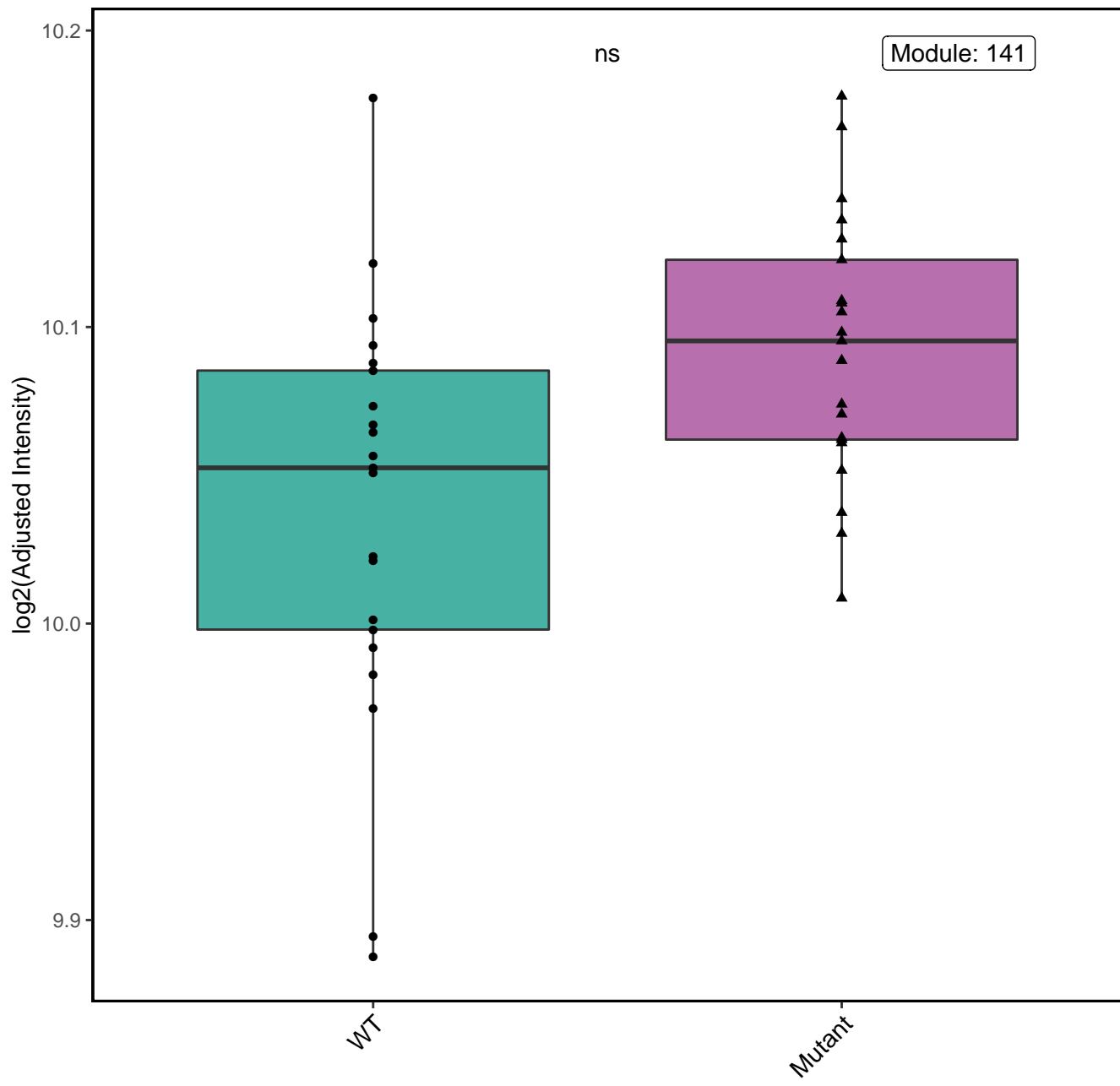
6.75

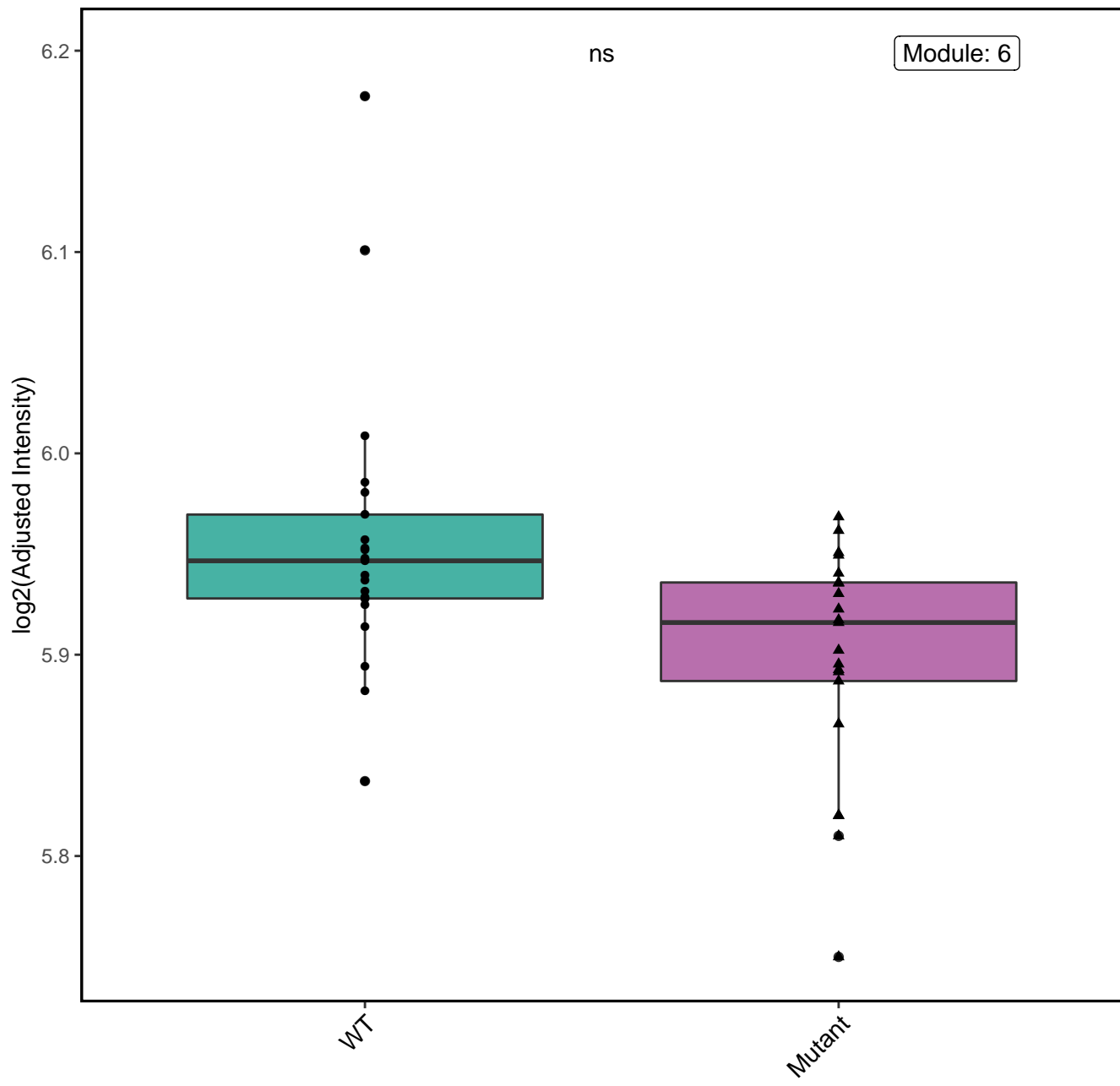
WT

Mutant

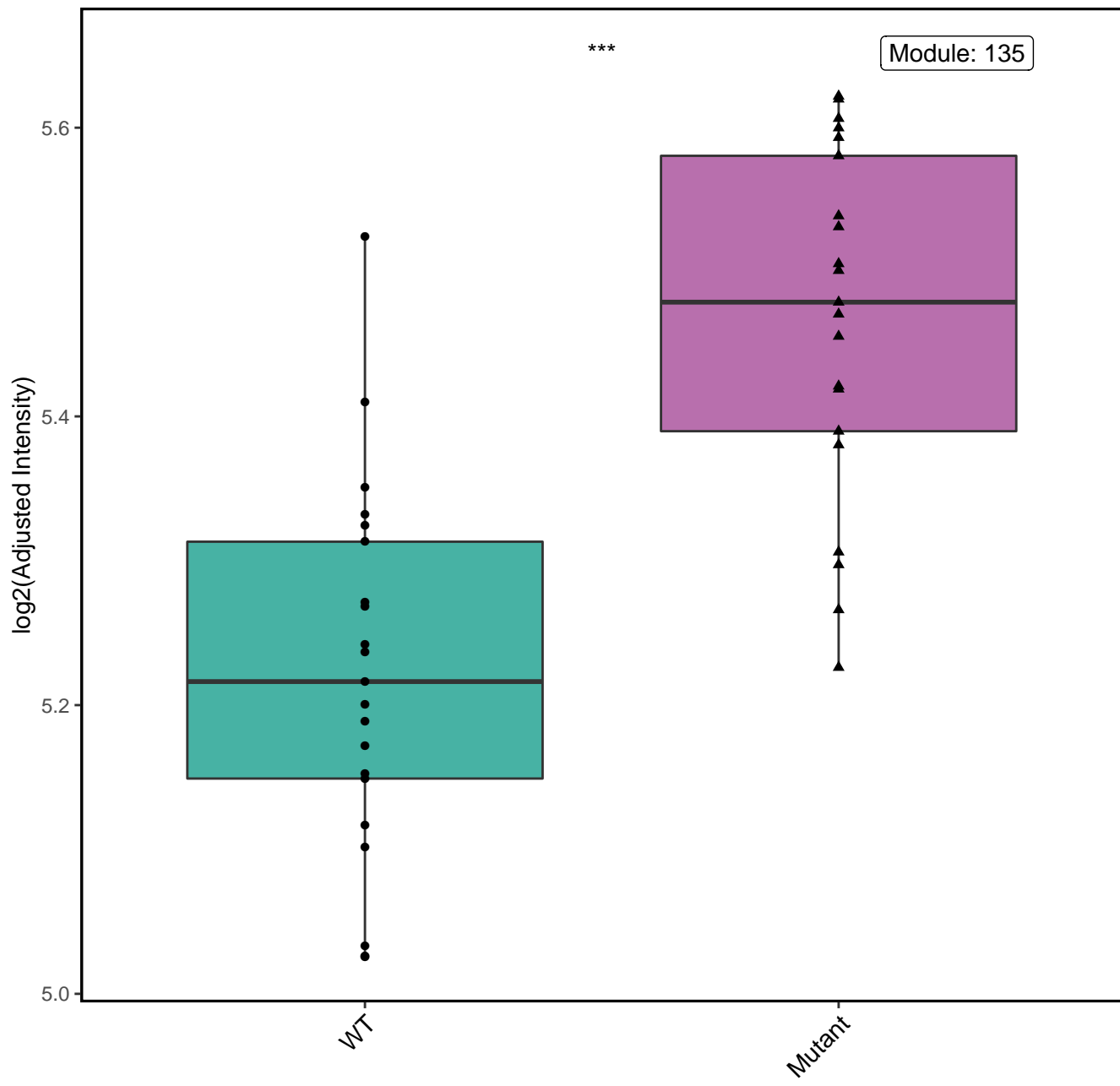
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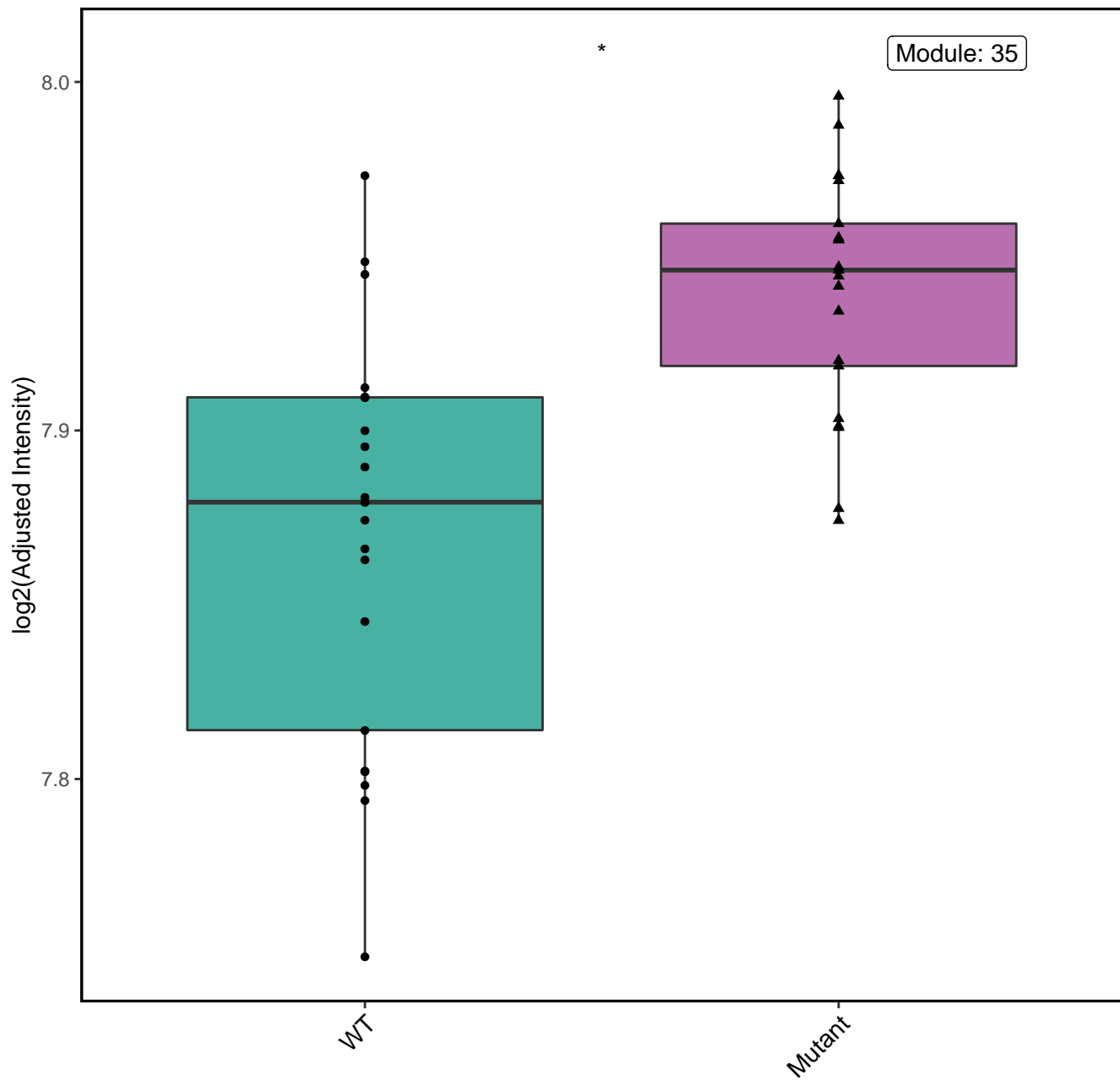


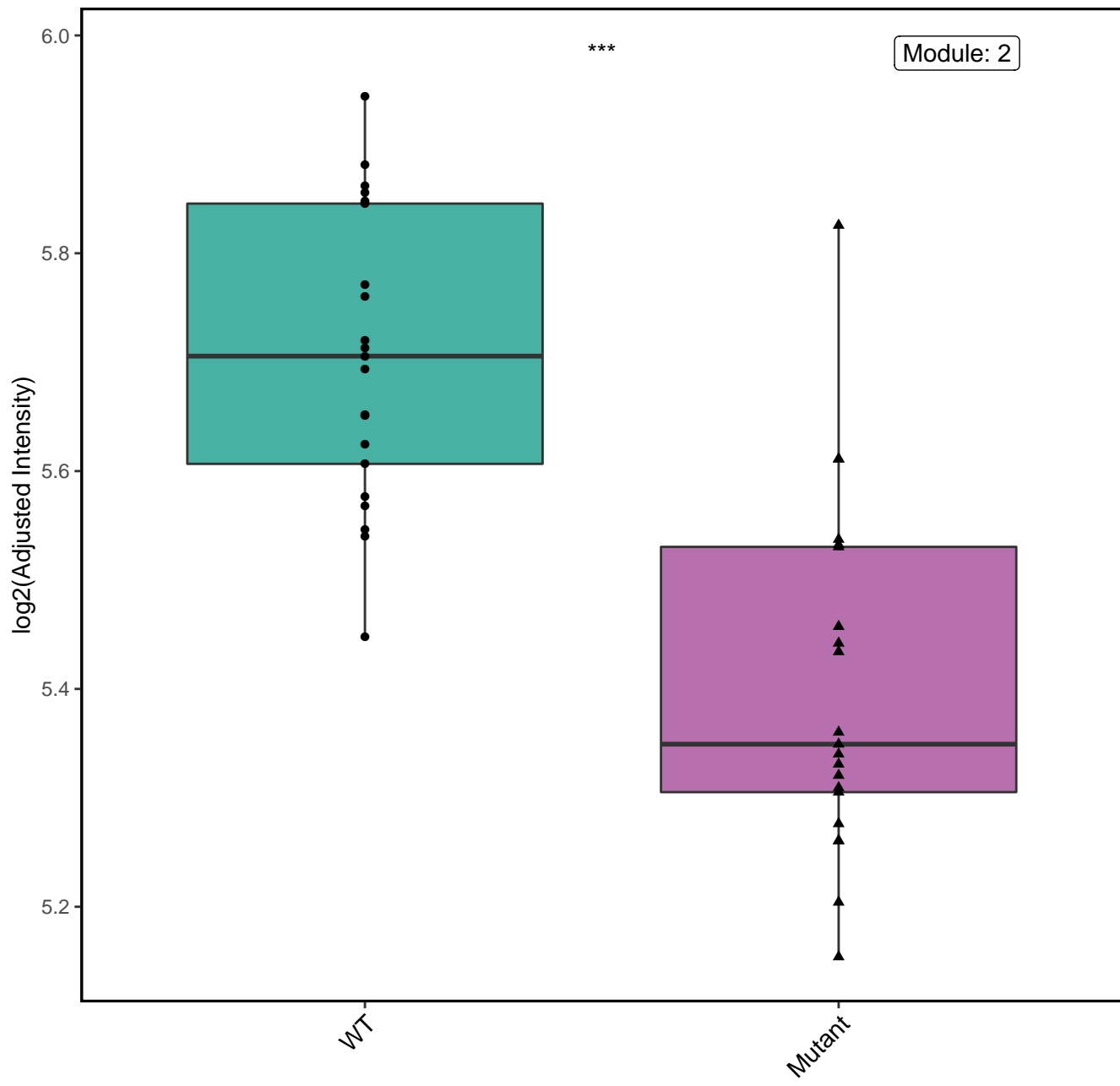


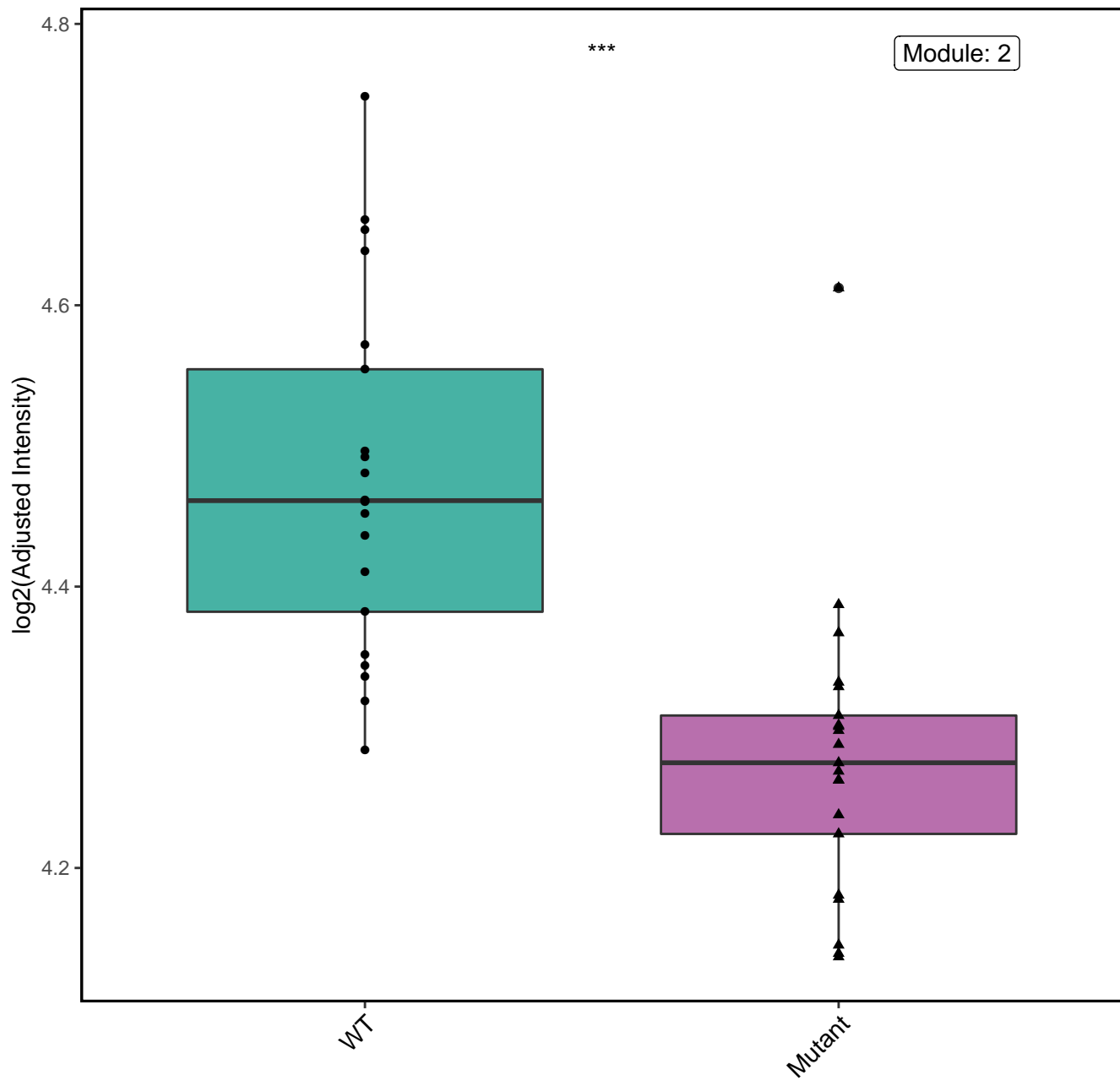


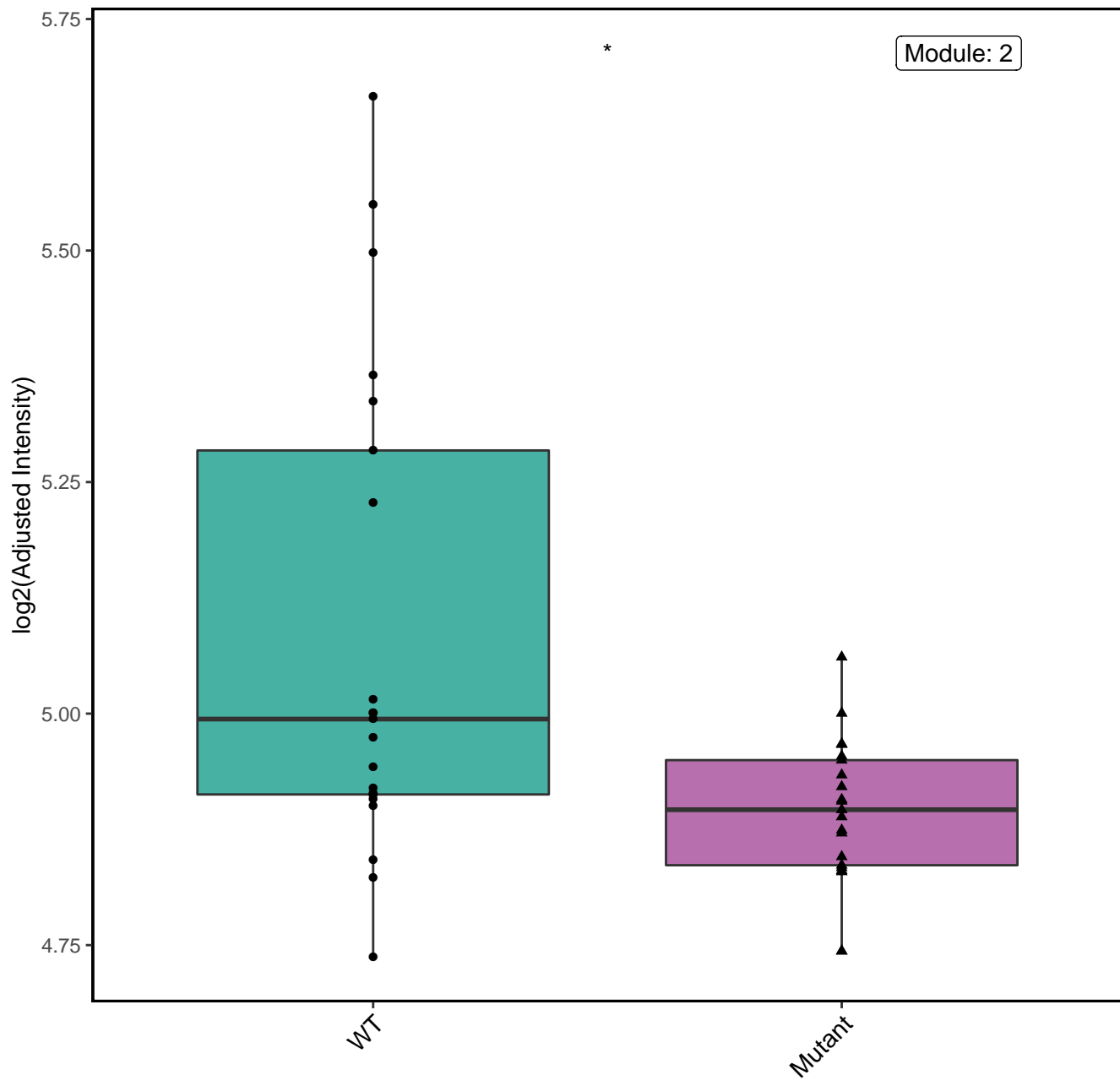












log2(Adjusted Intensity)

8.1

7.9

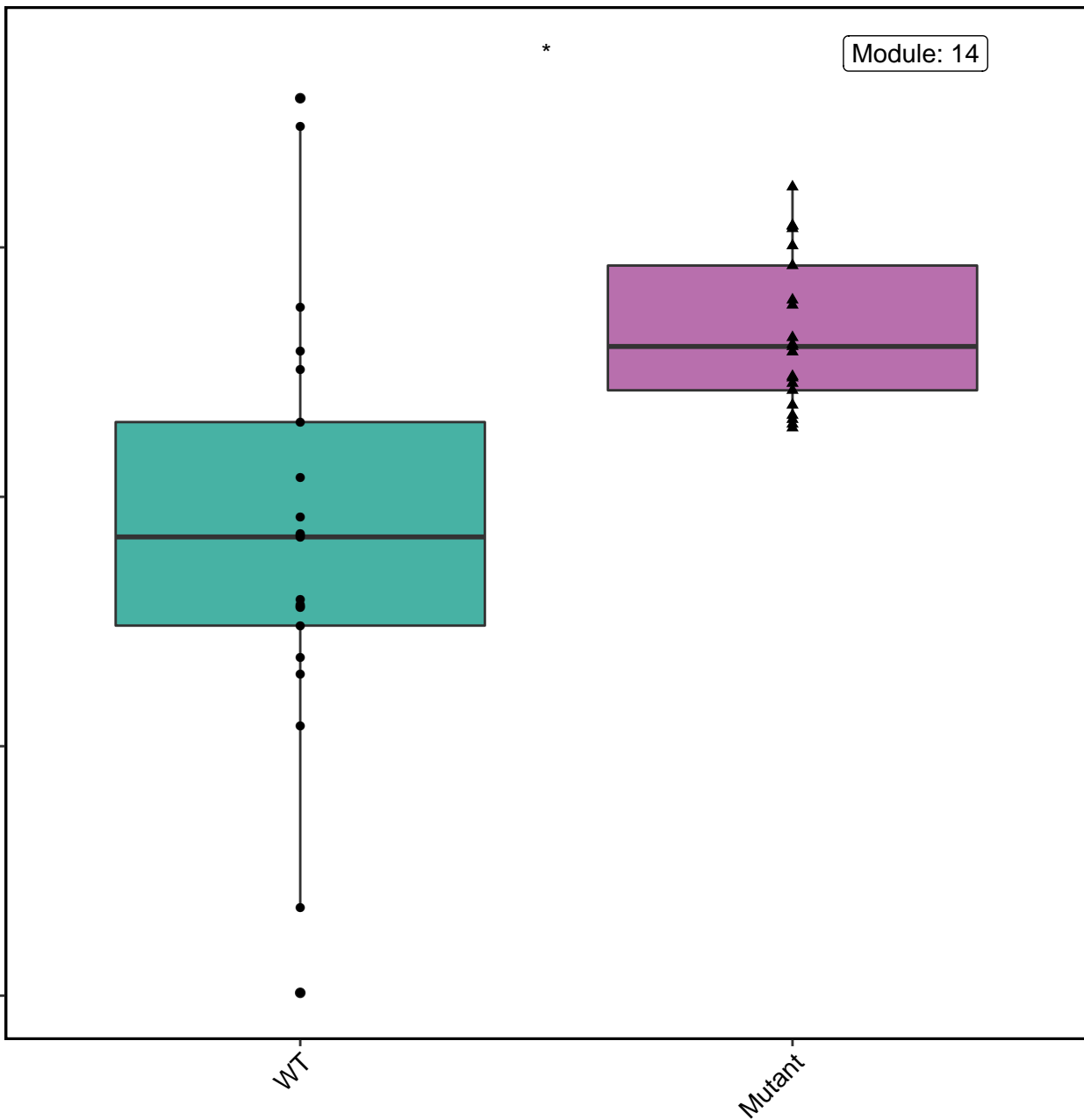
7.7

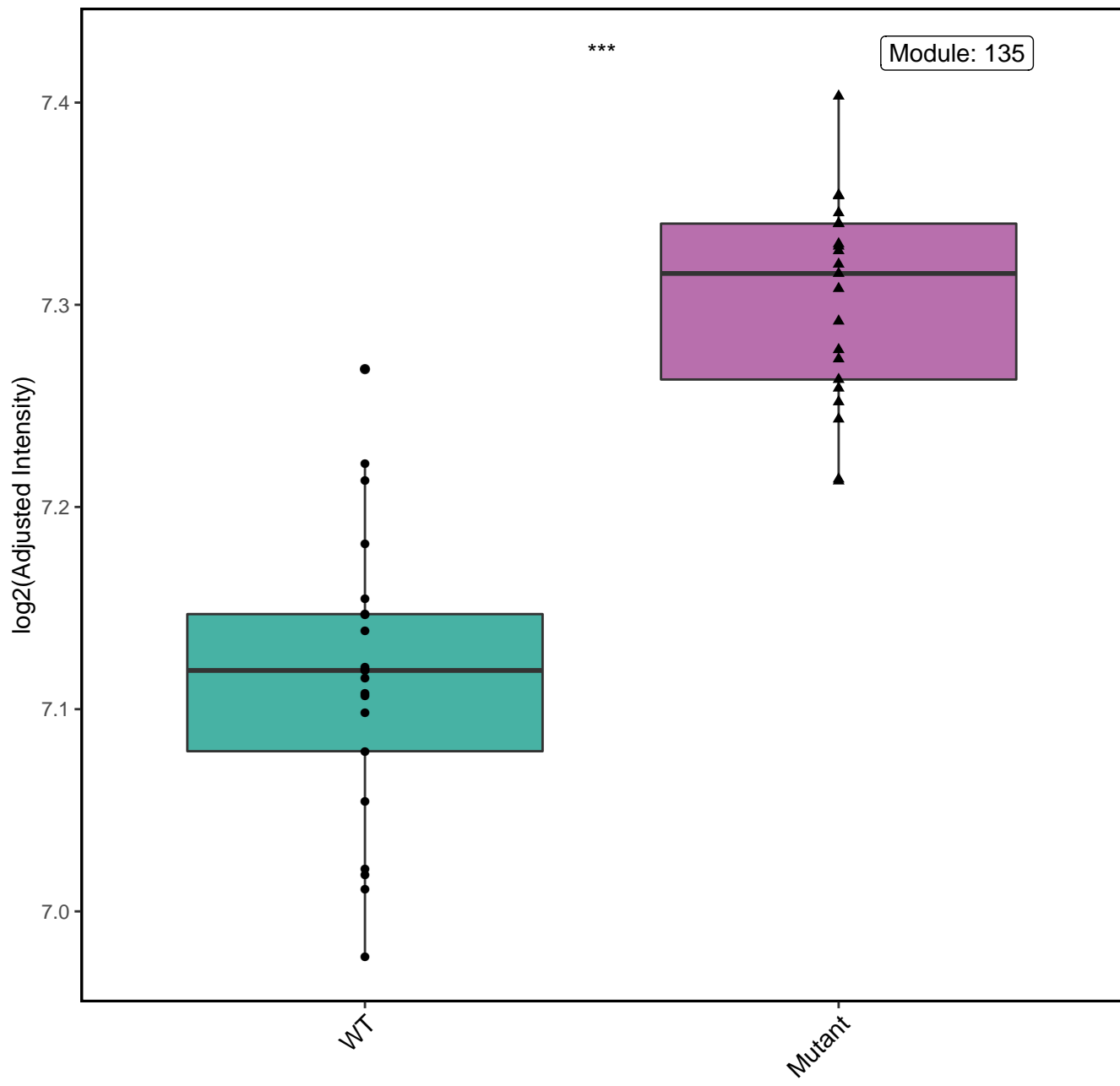
7.5

WT

Mutant

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log2(Adjusted Intensity)

4.8

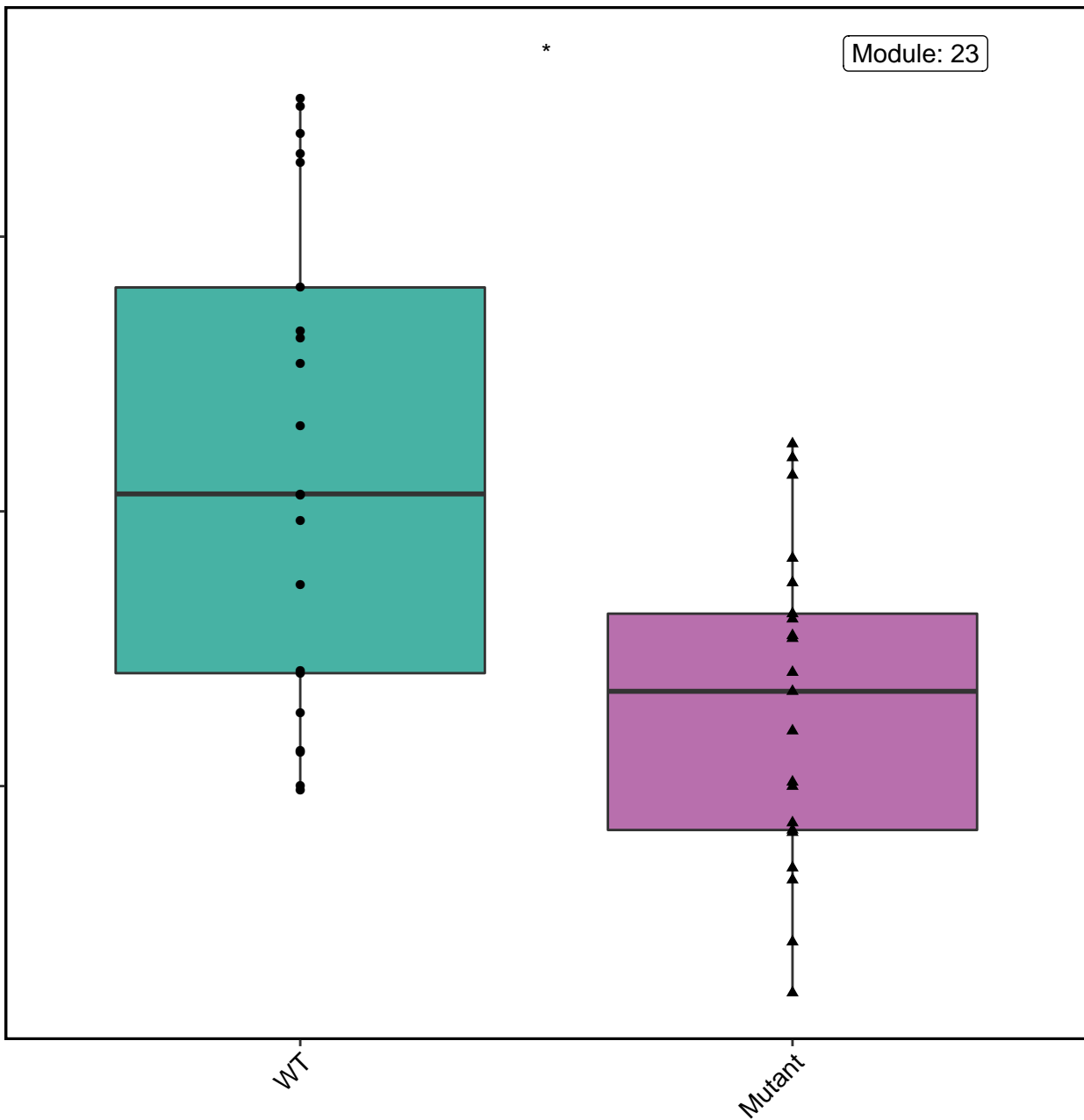
4.7

4.6

WT

Mutant

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log2(Adjusted Intensity)

7.6

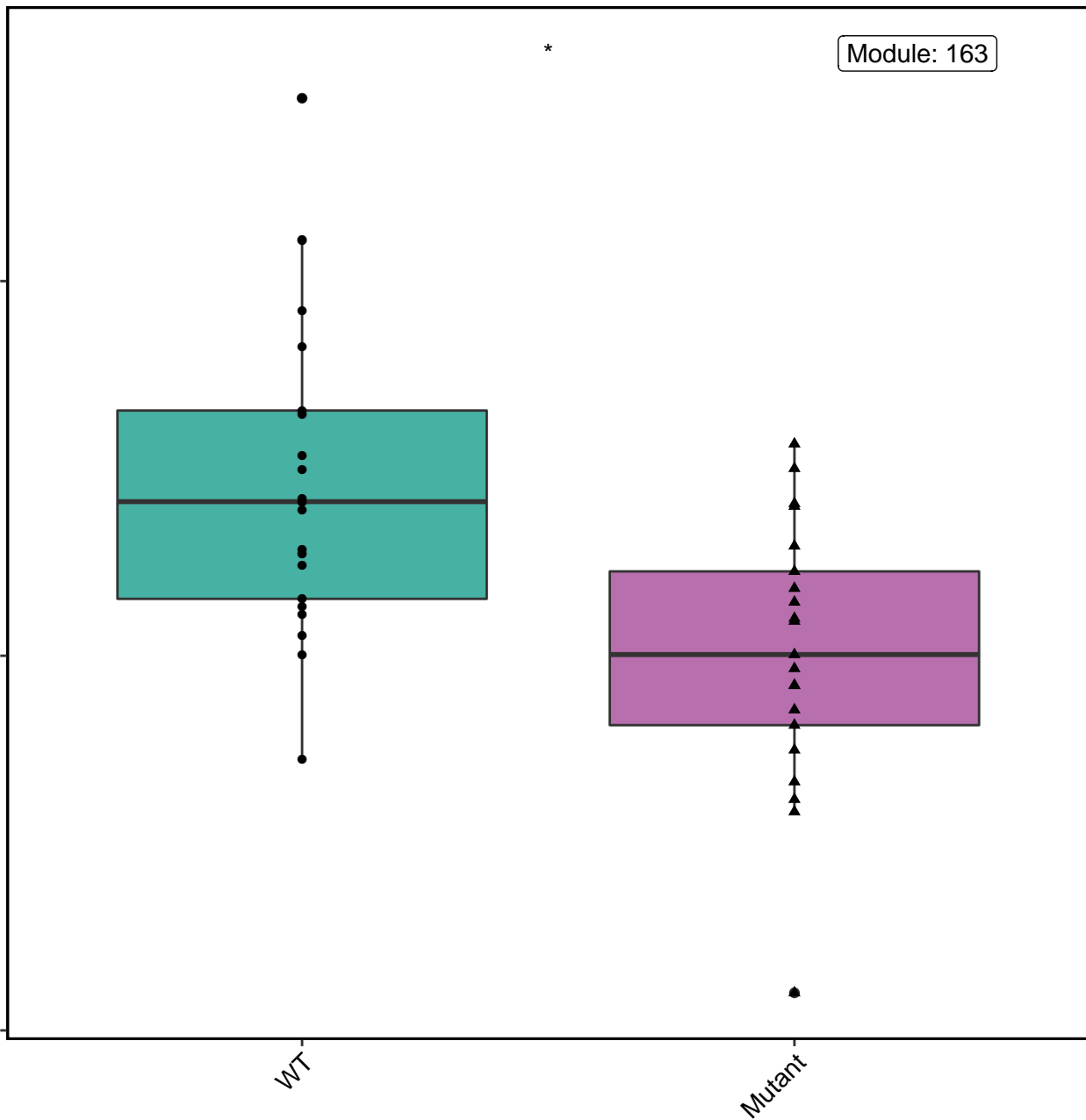
7.5

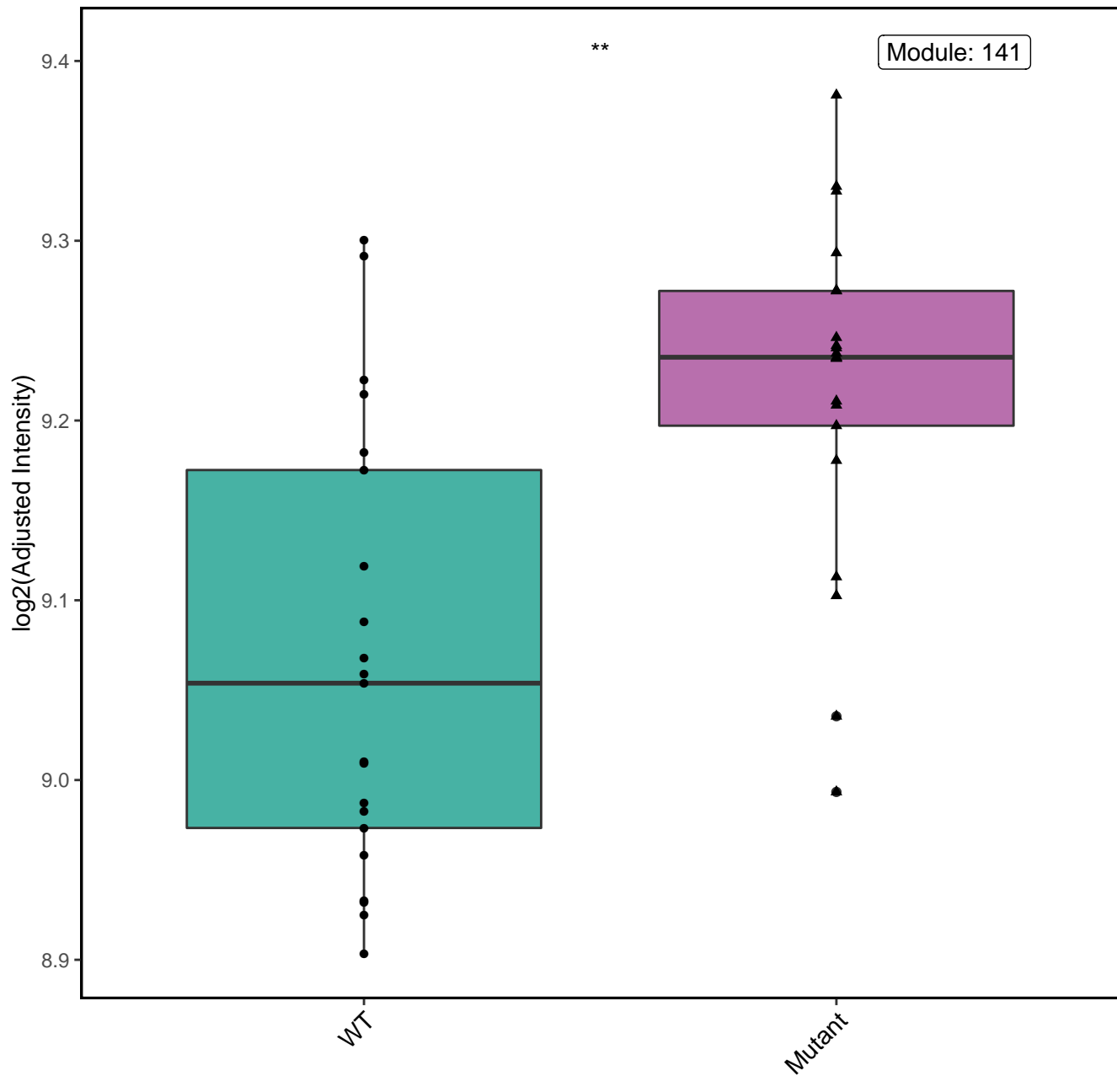
7.4

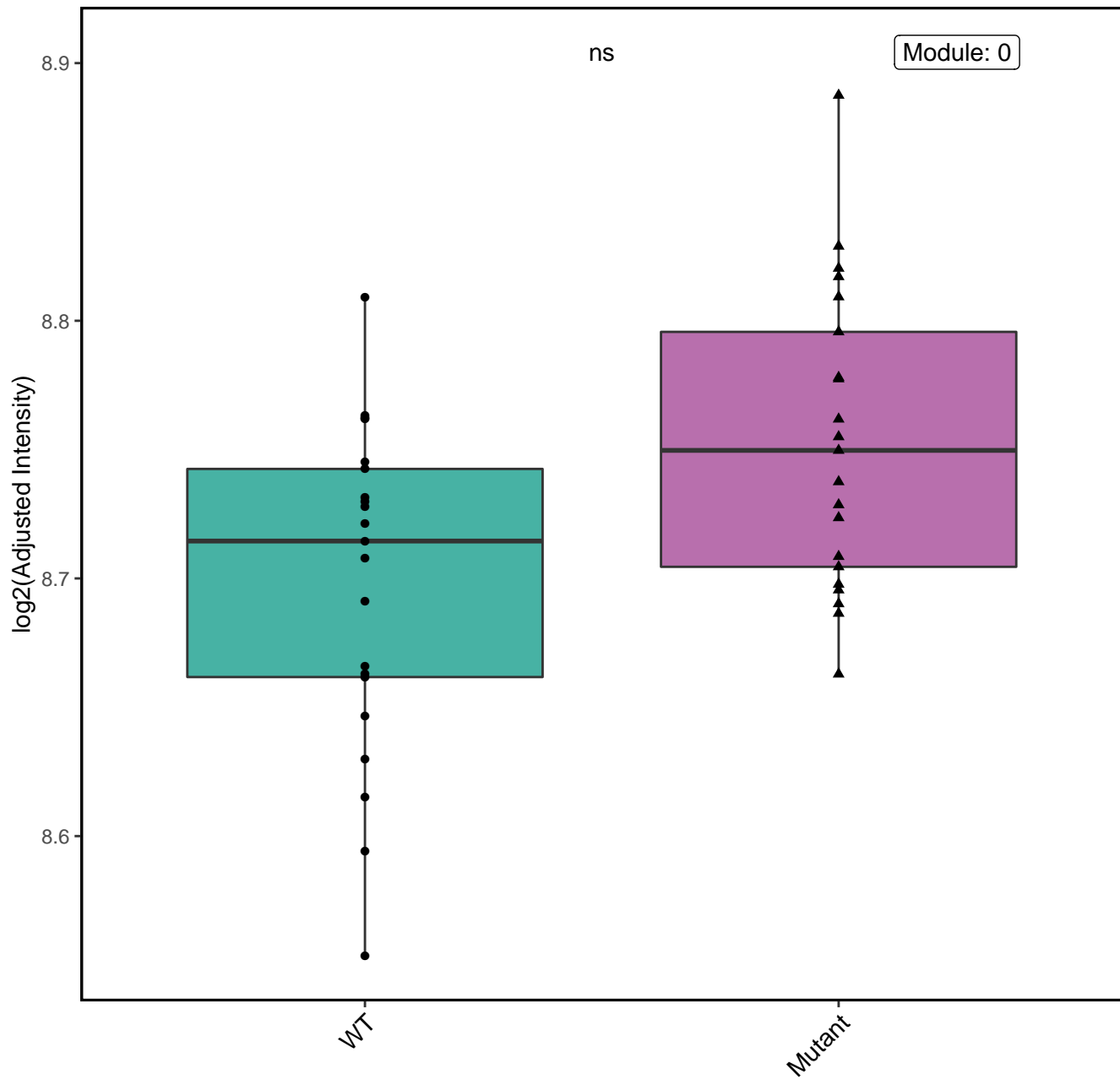
WT

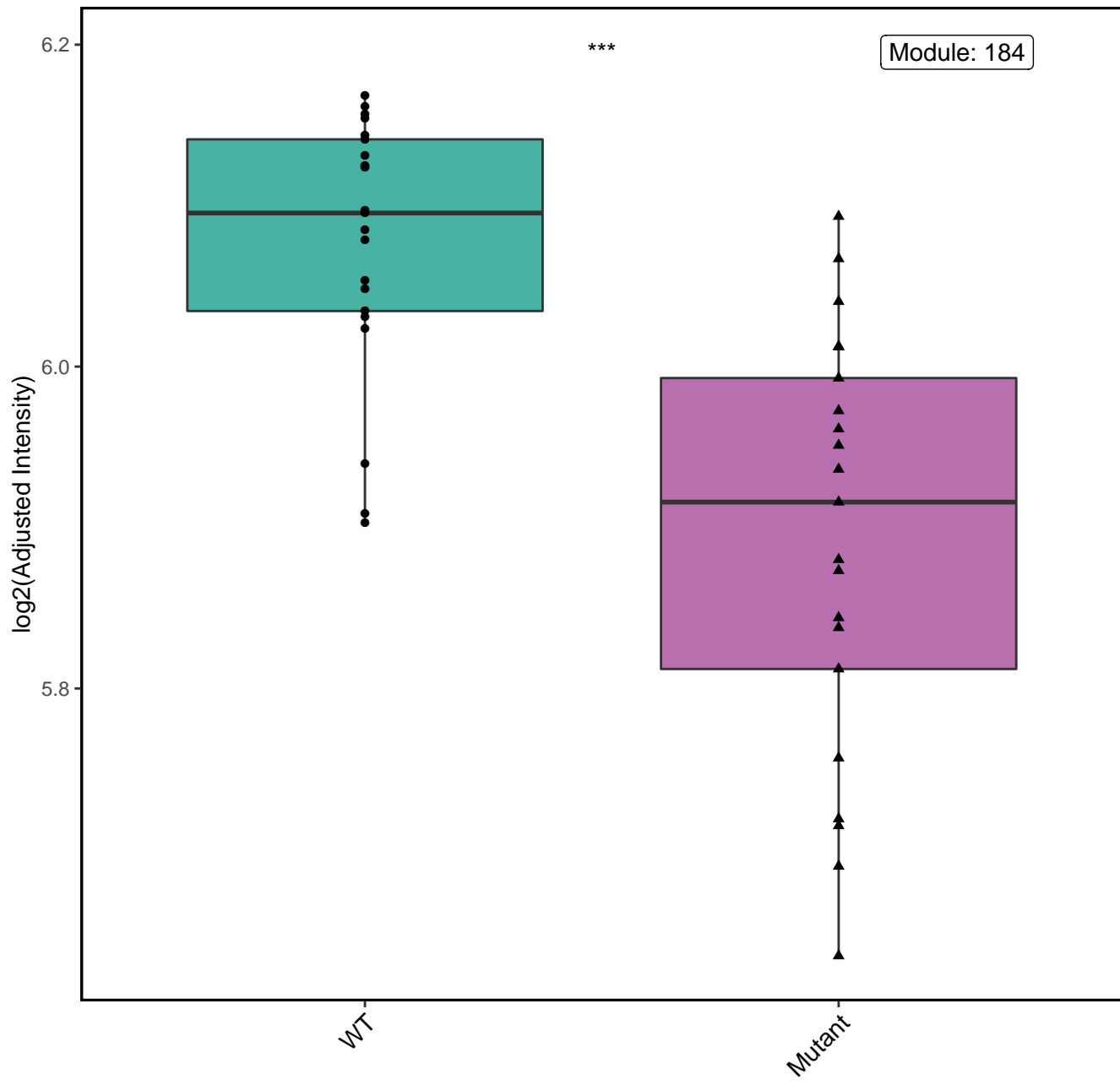
Mutant

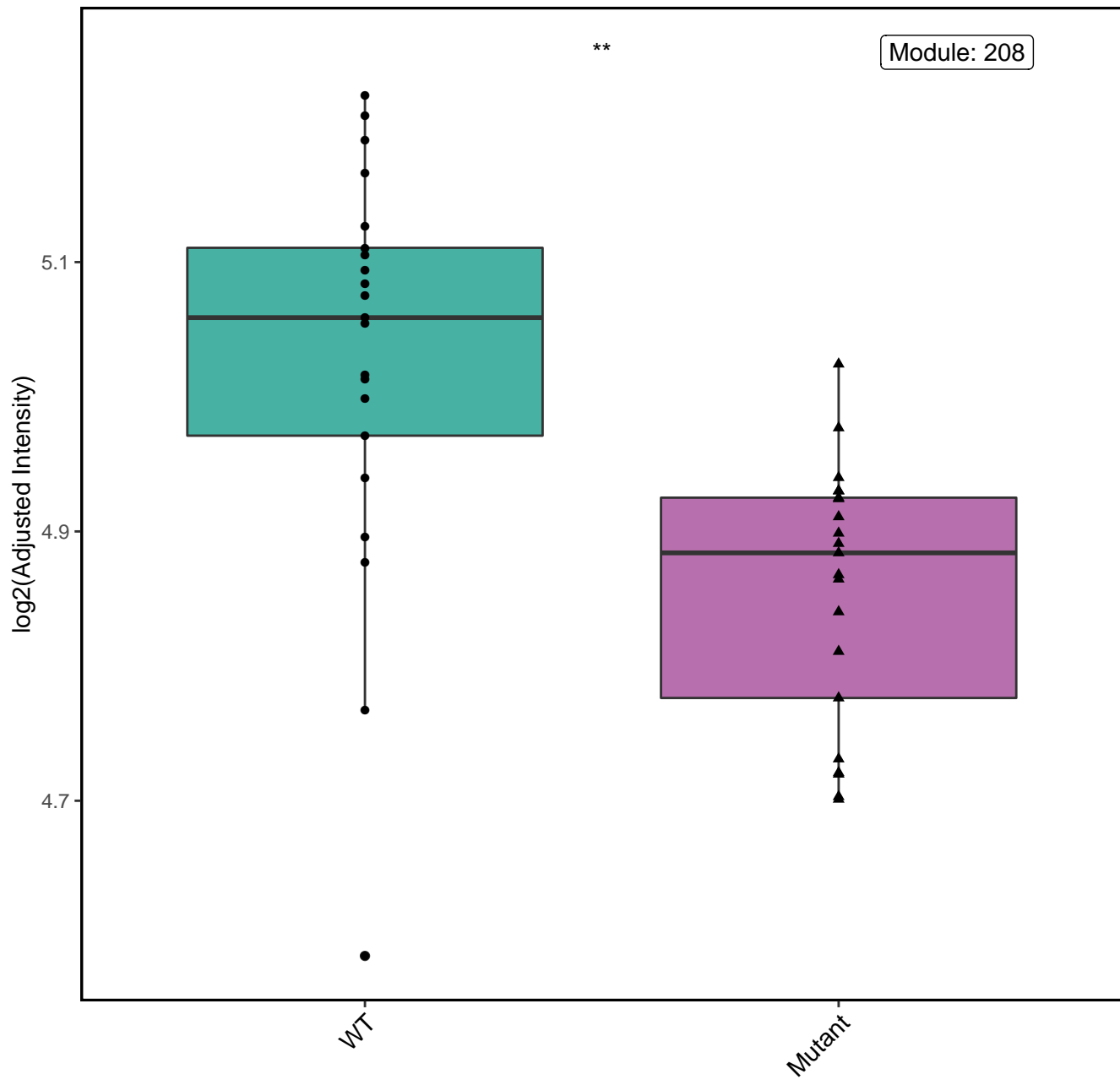
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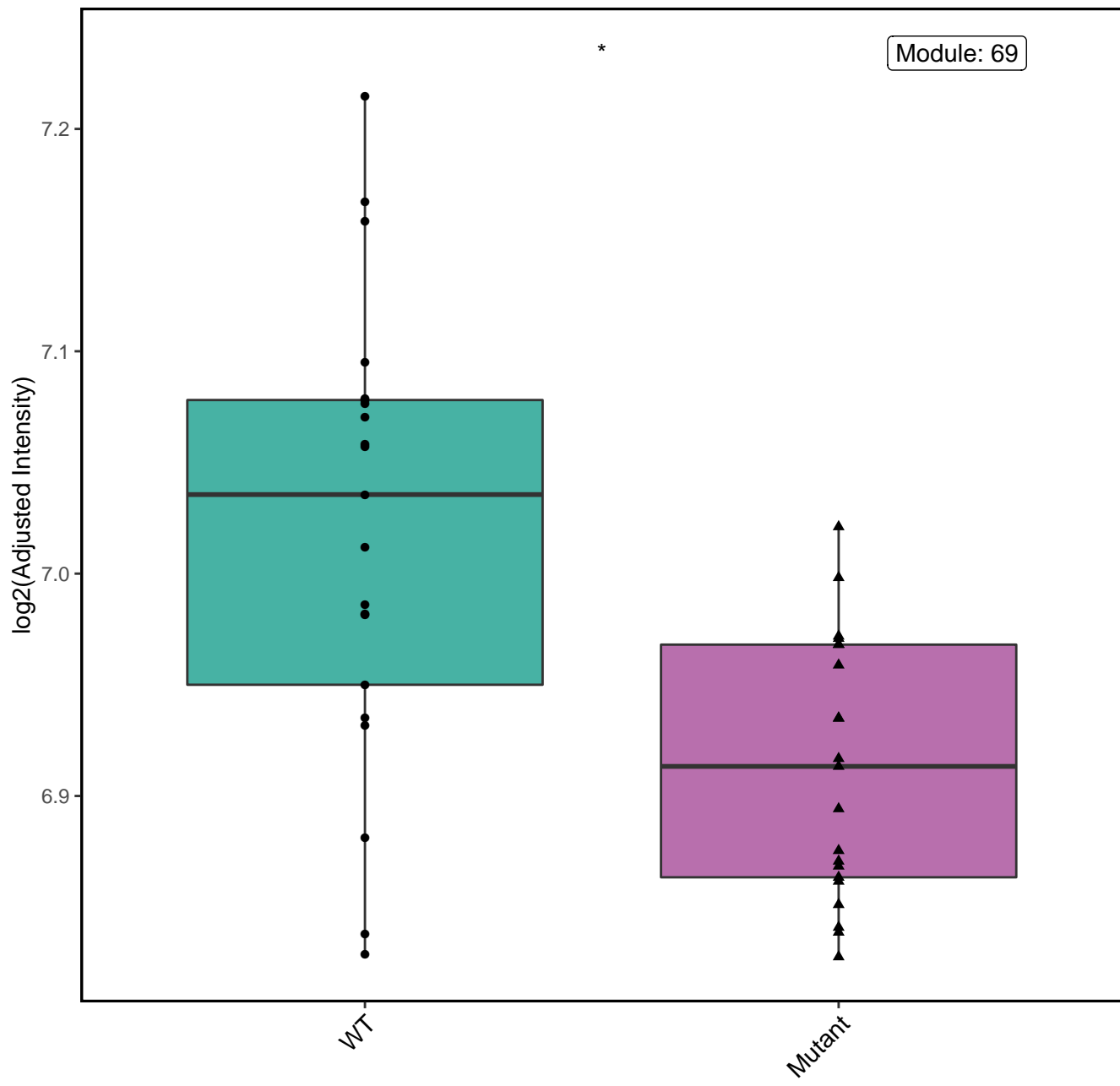


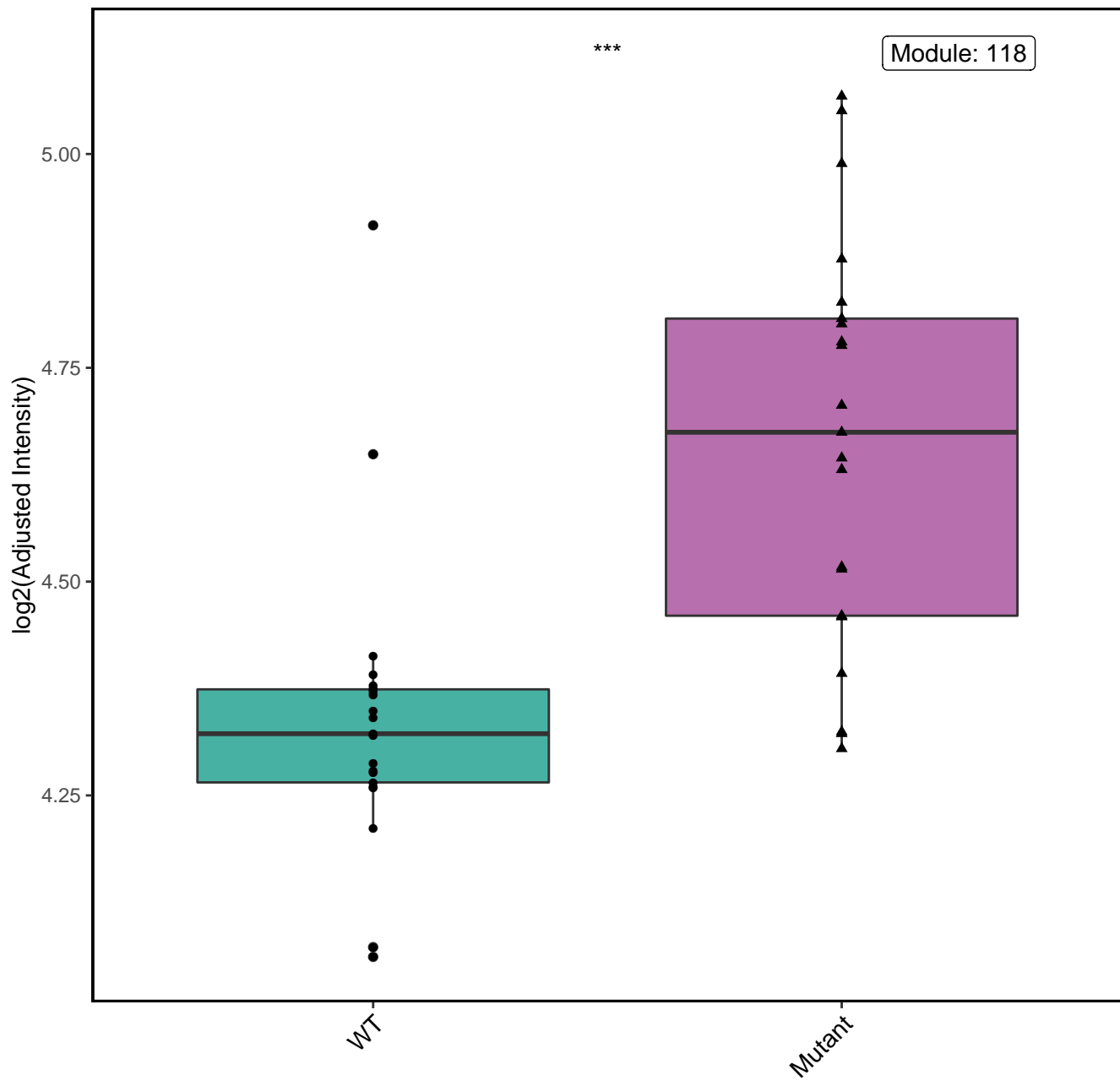


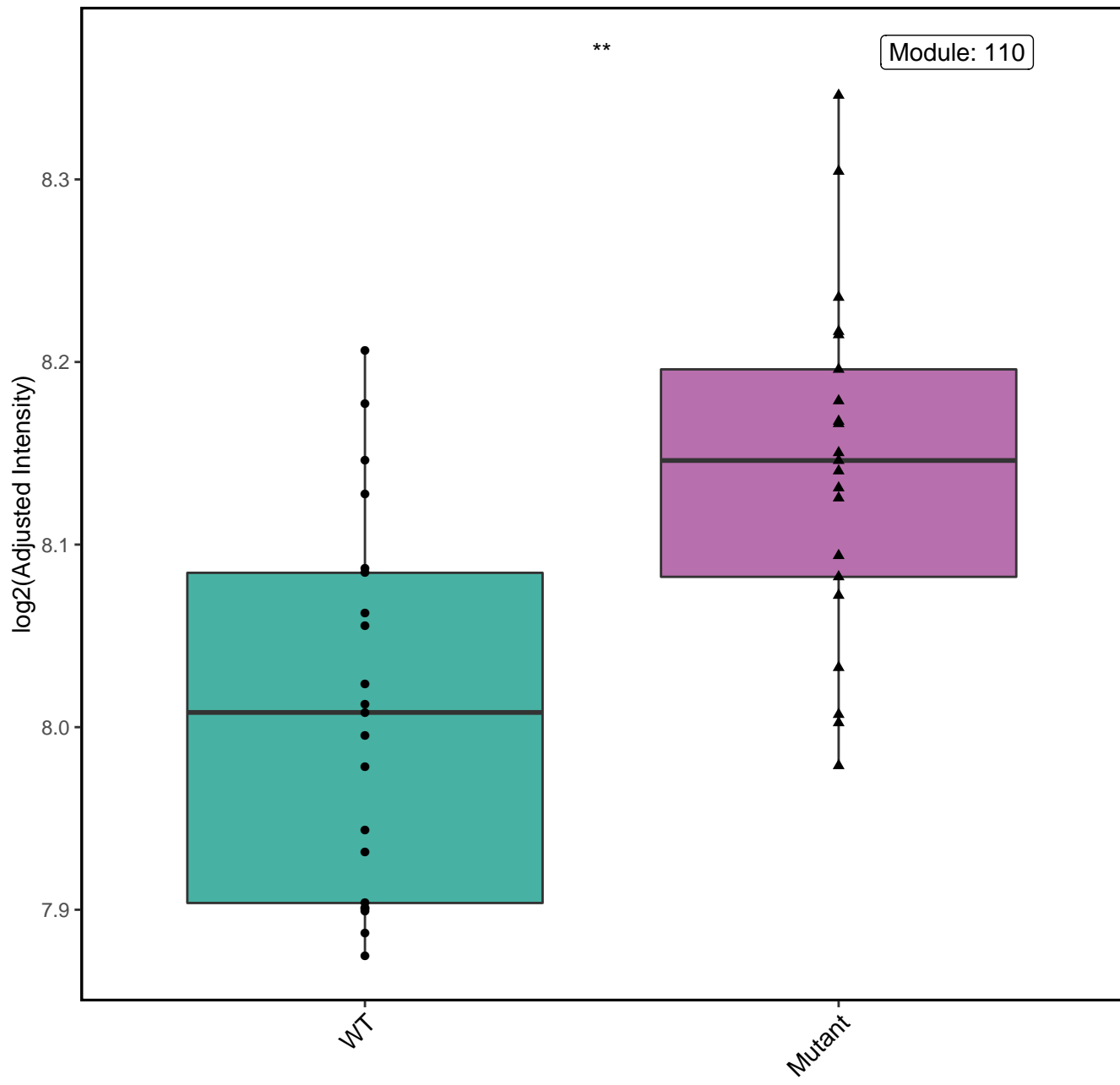




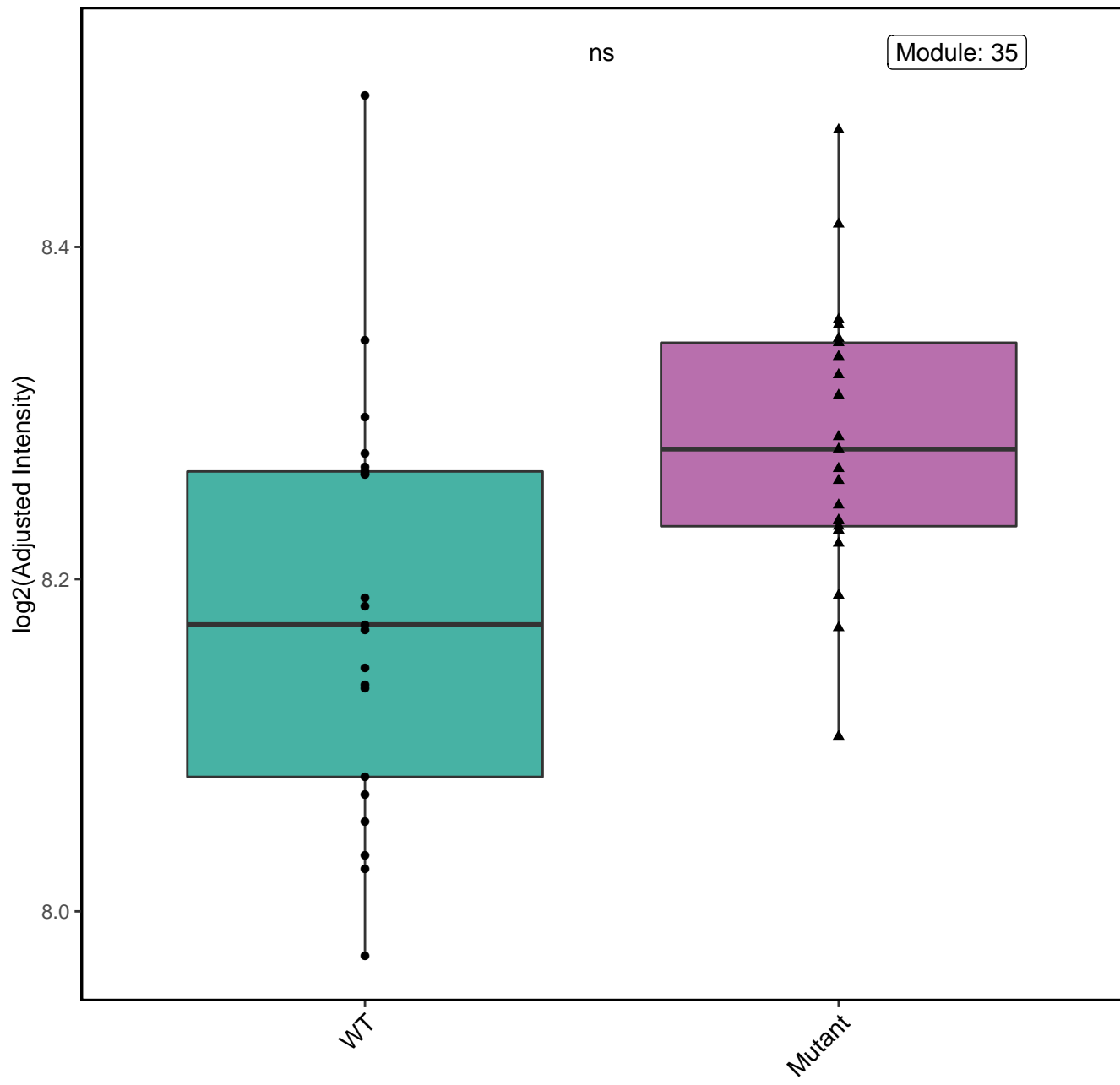


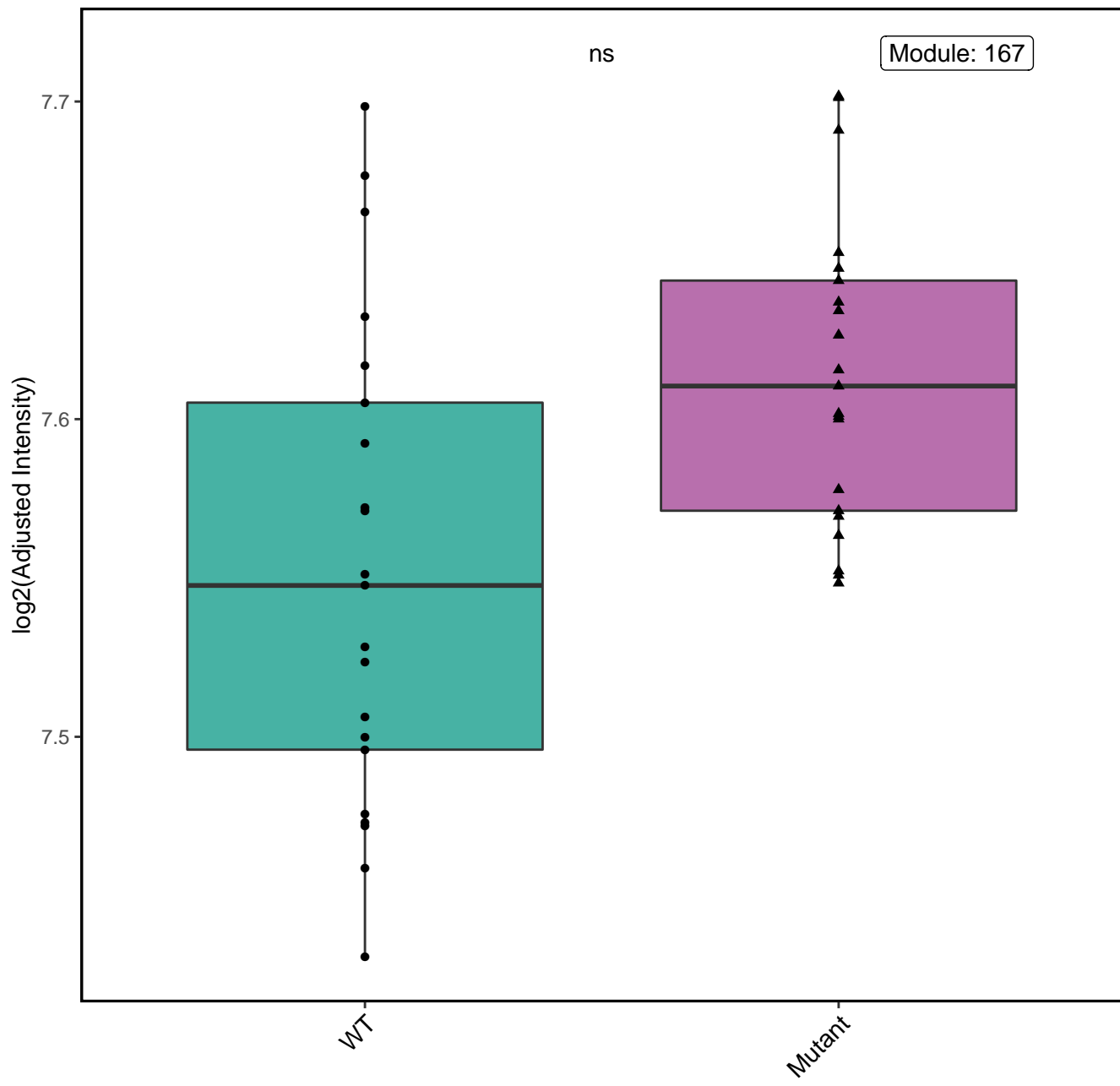


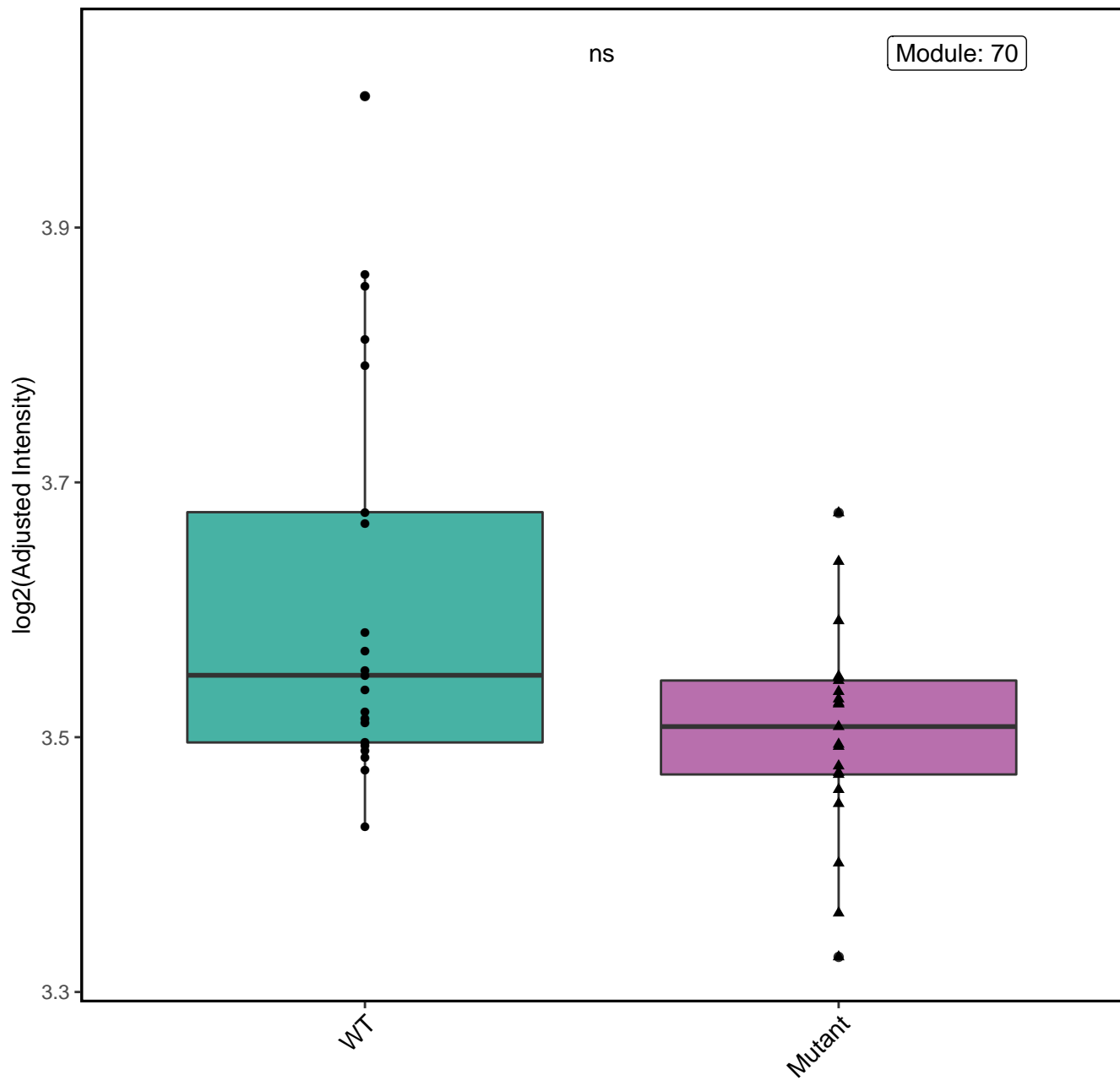


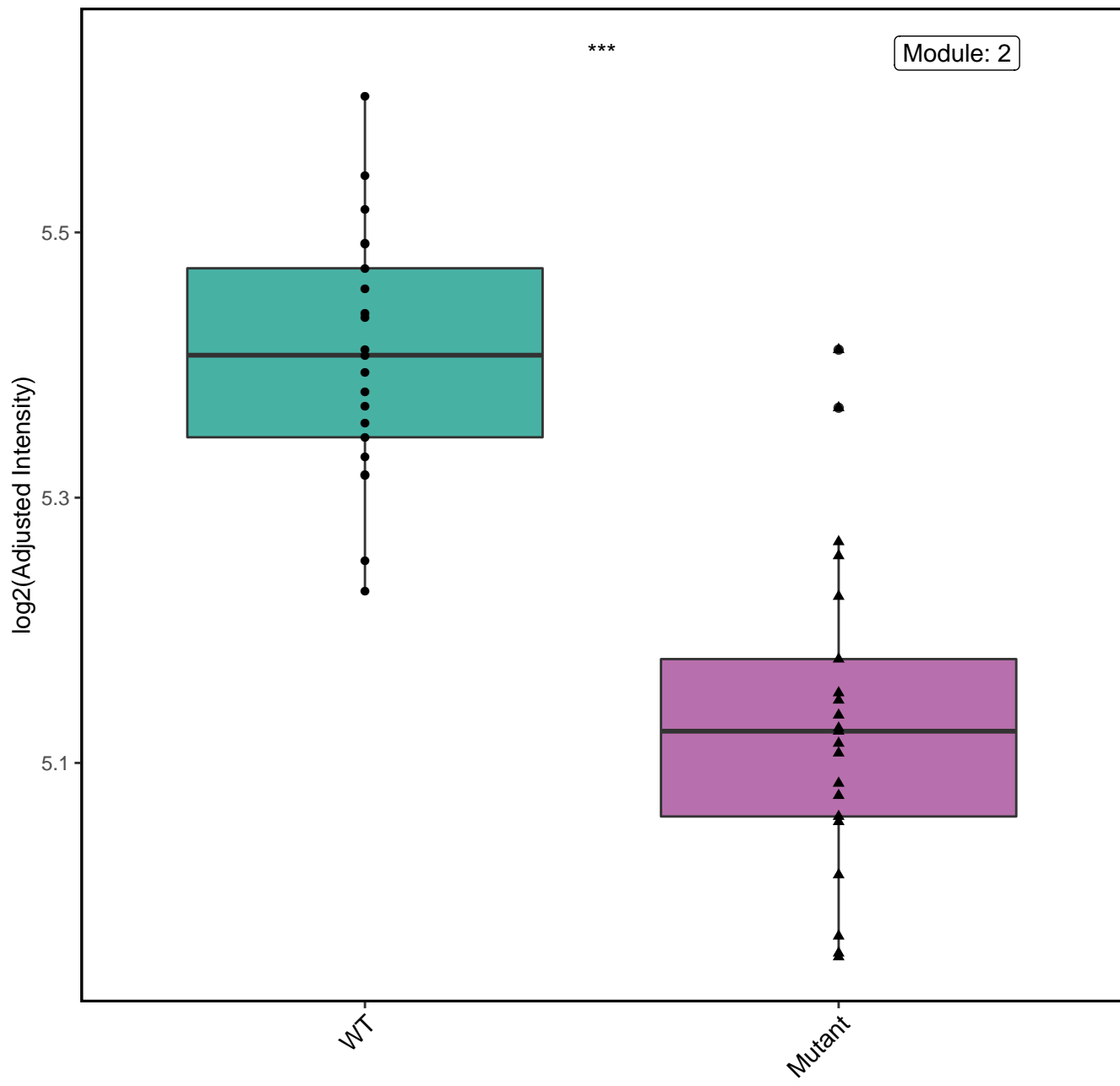


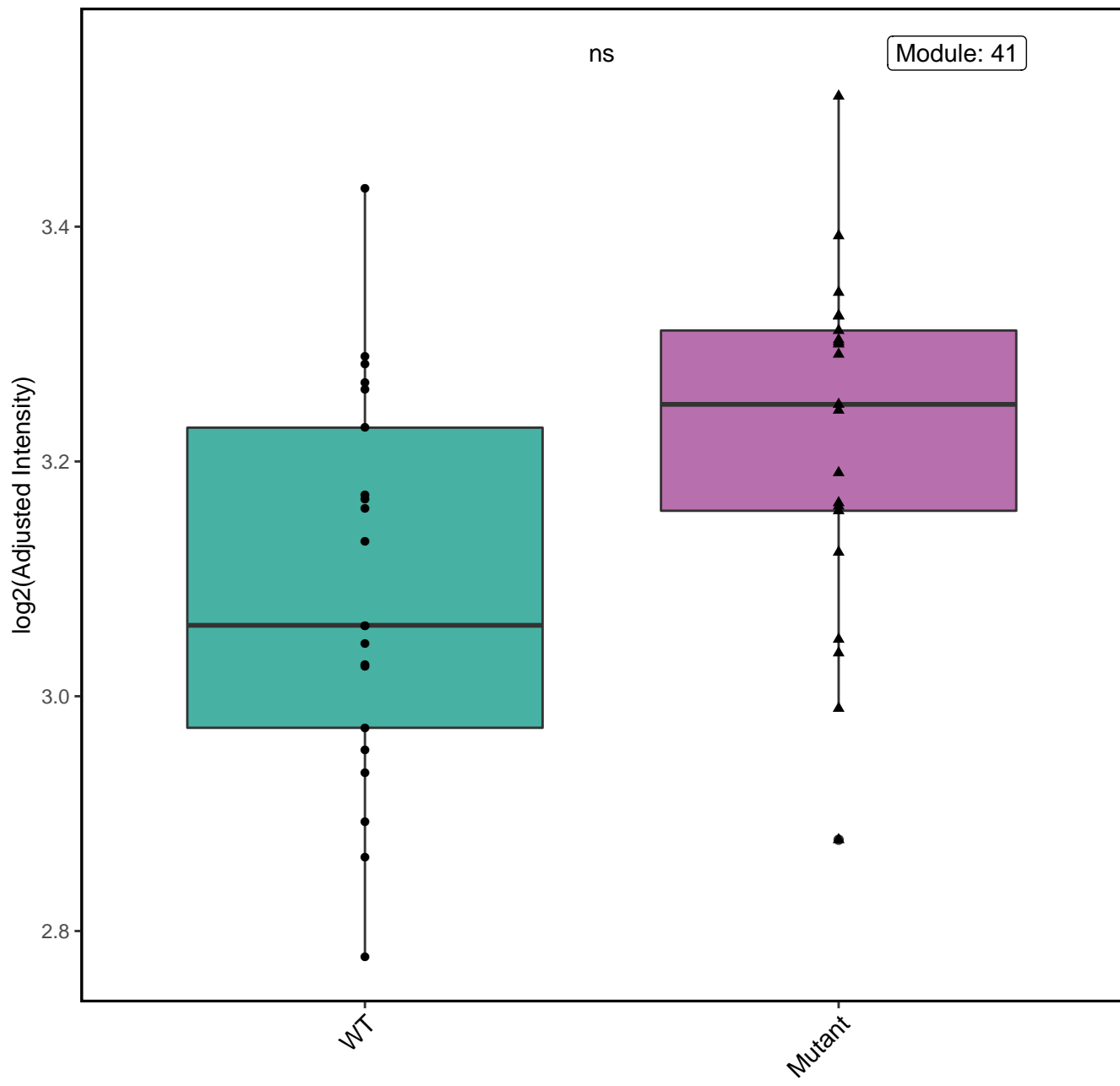


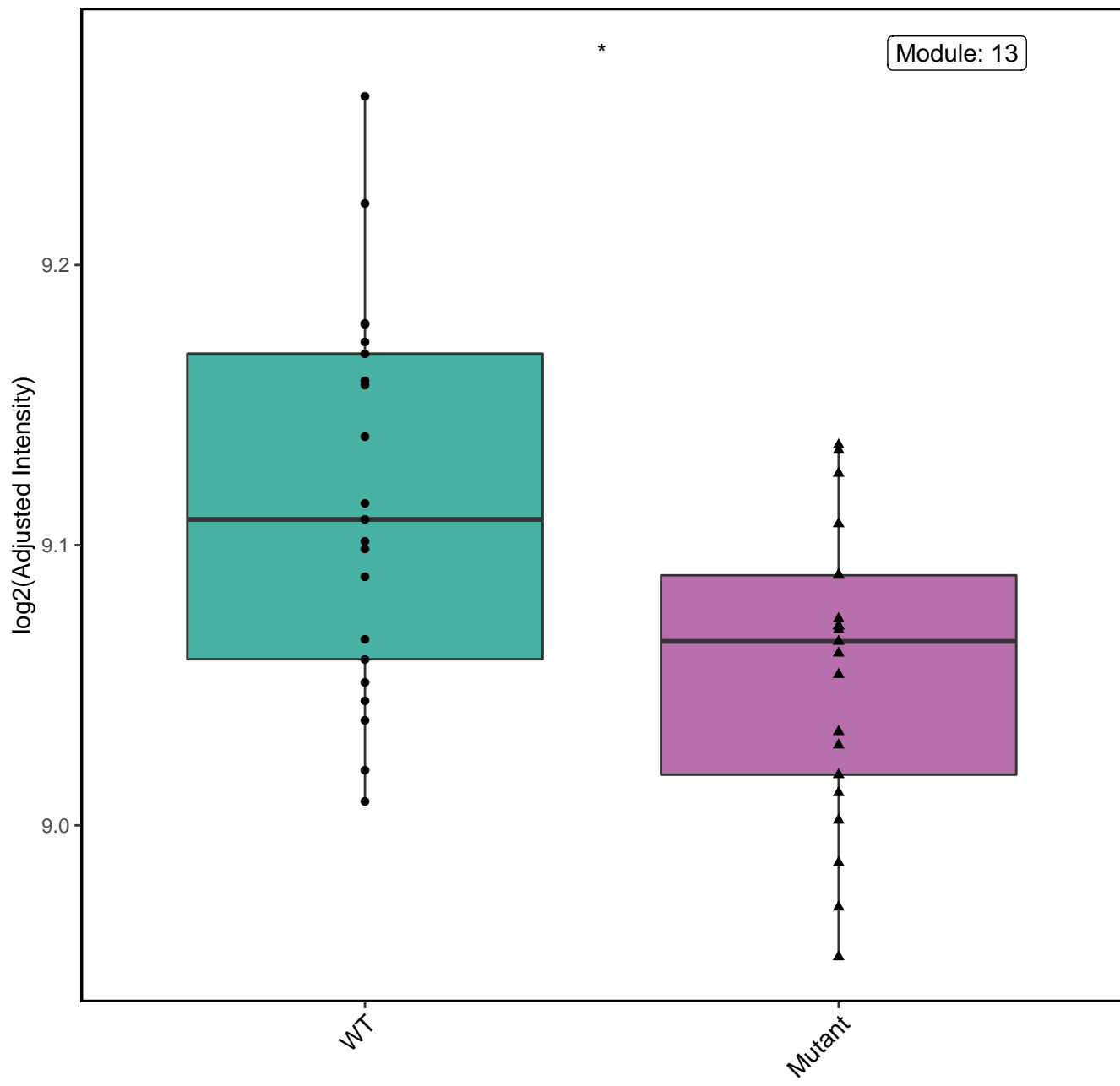


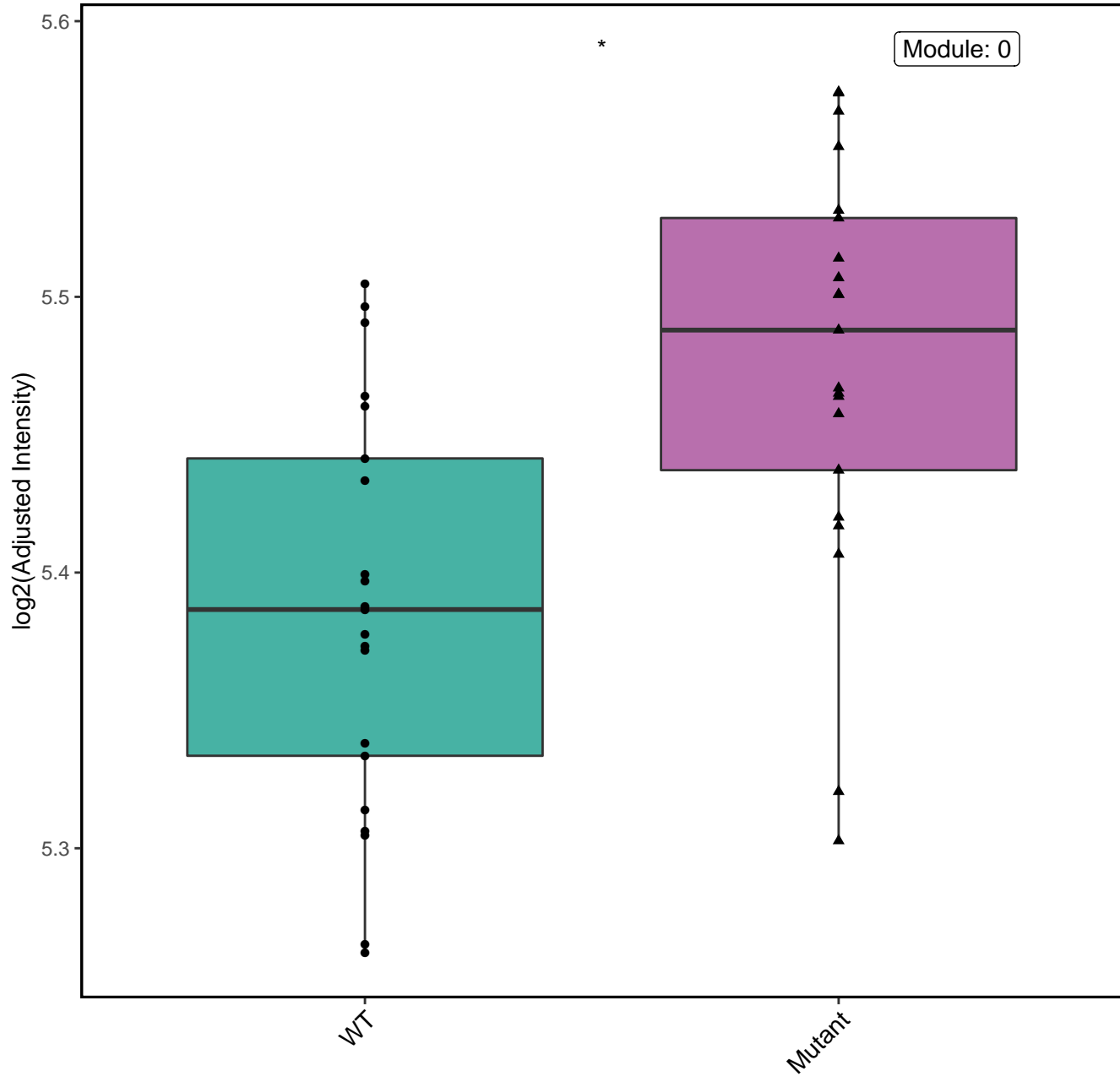


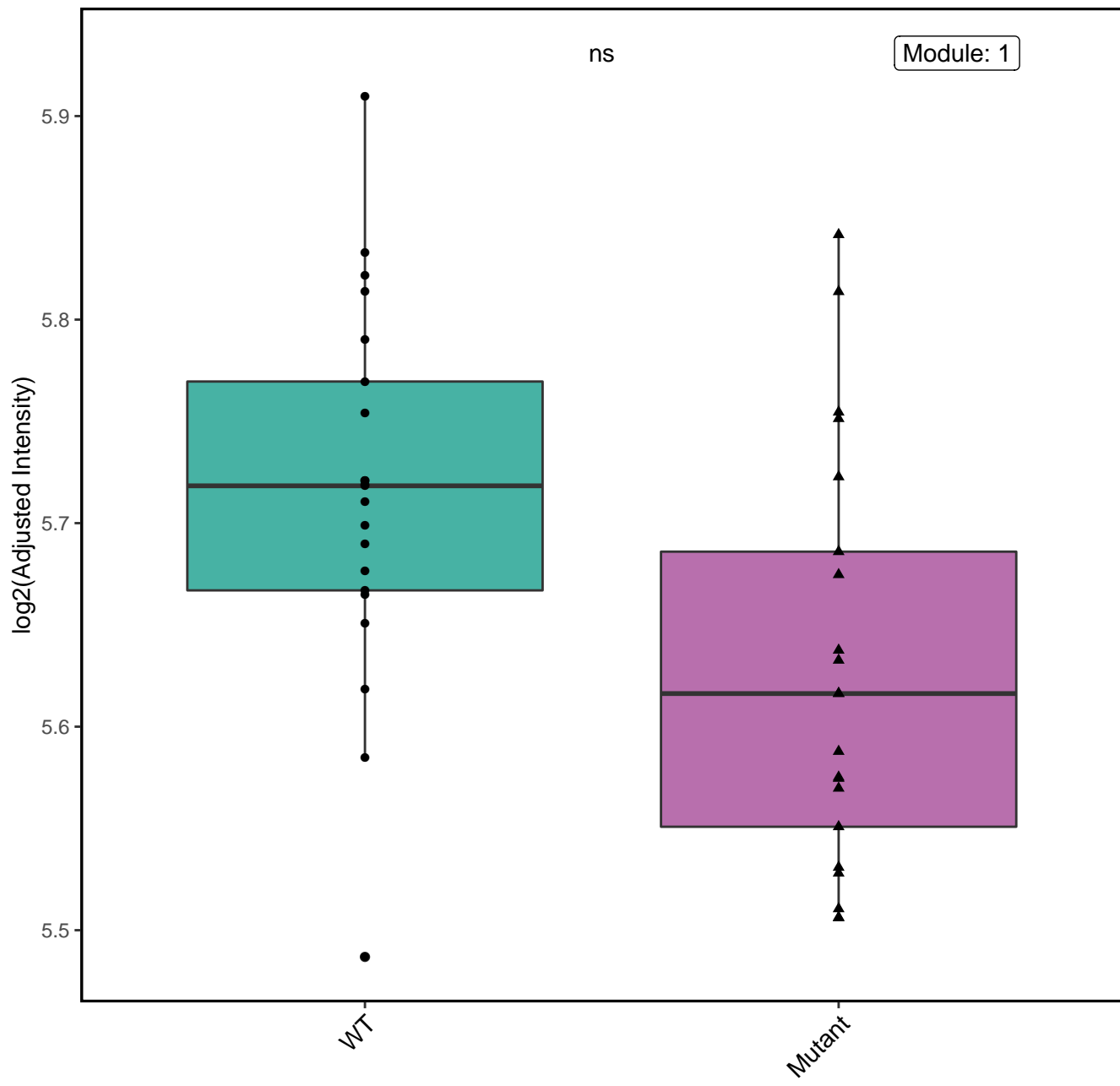




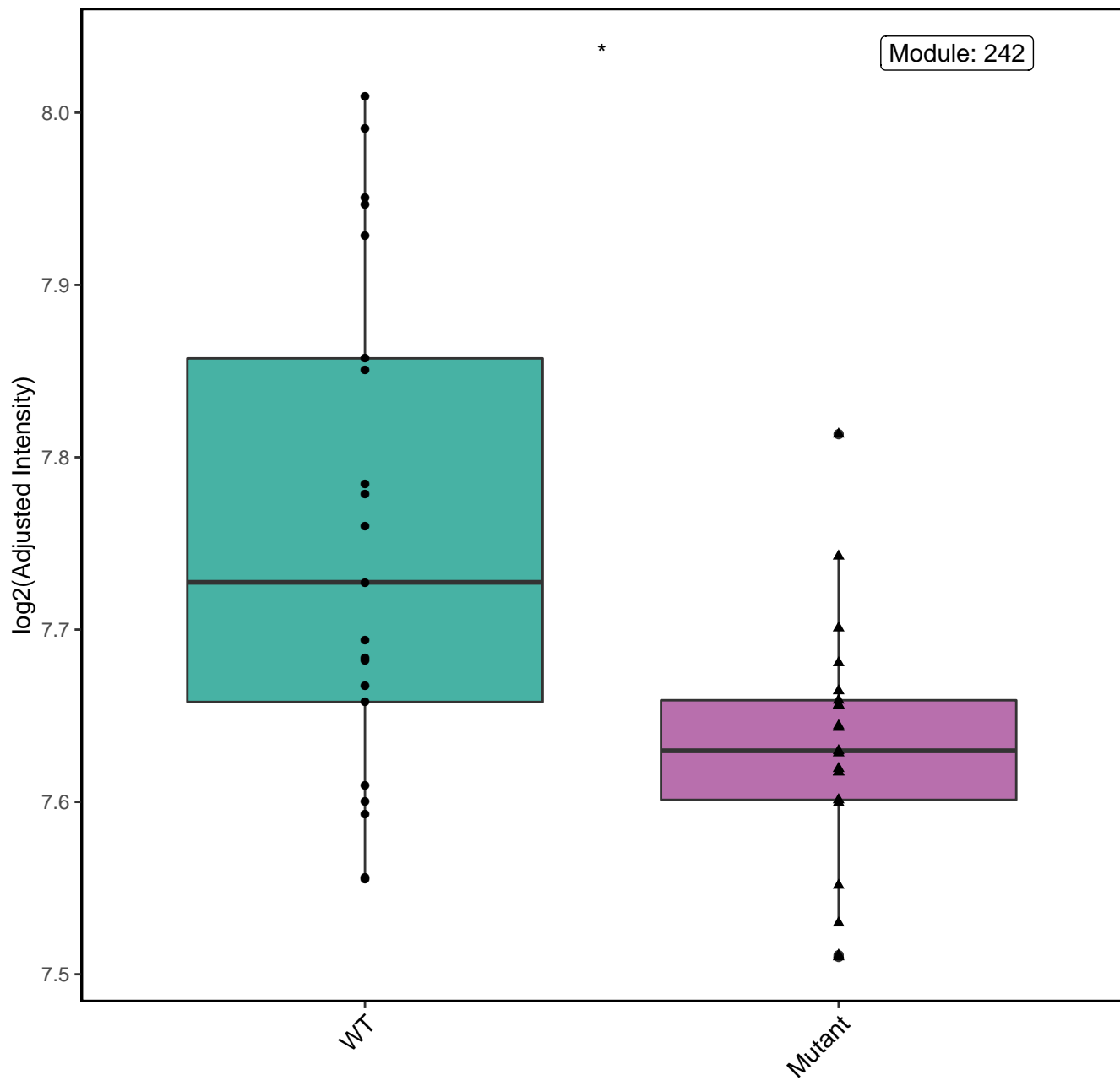


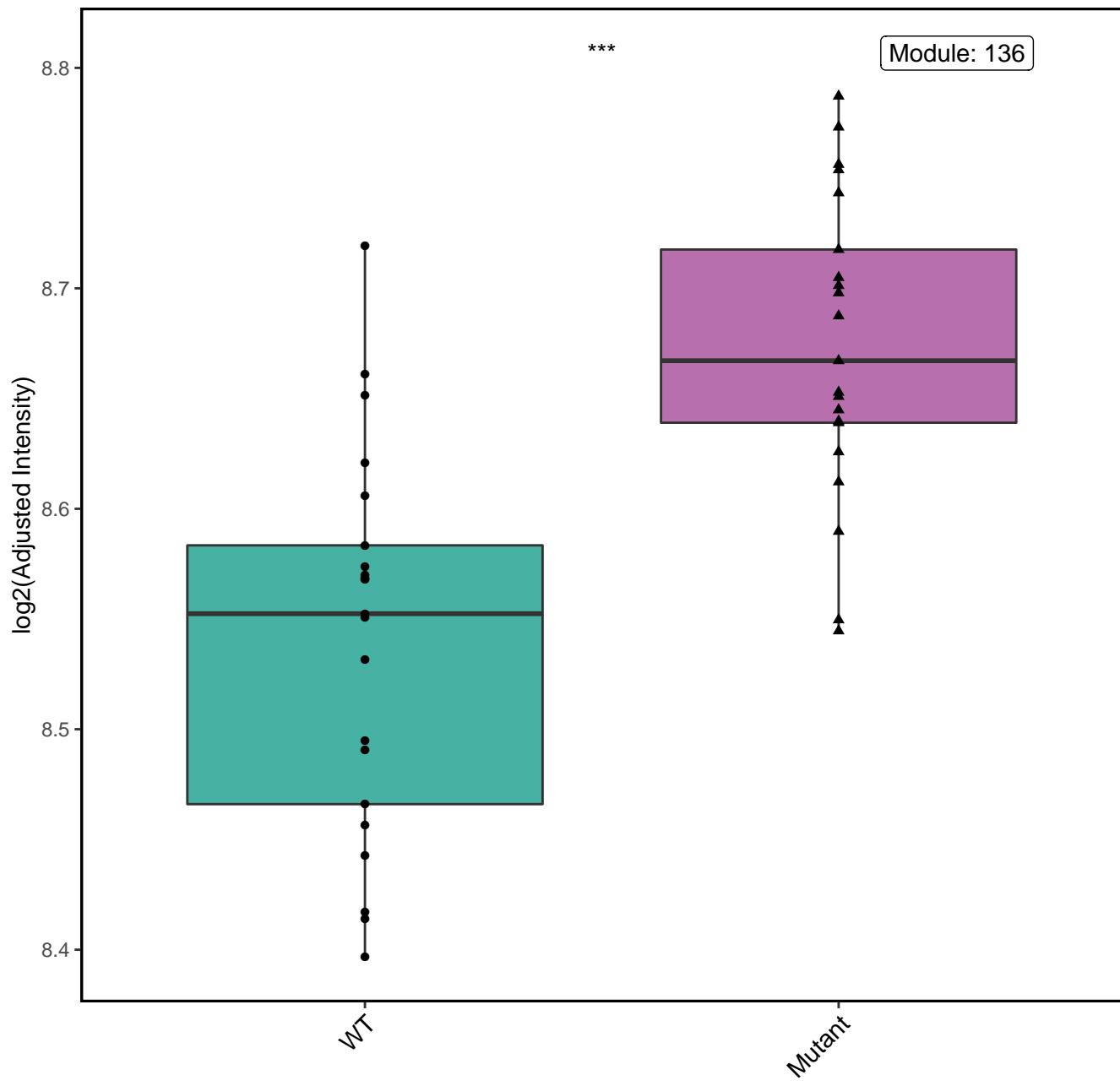












log2(Adjusted Intensity)

7.0

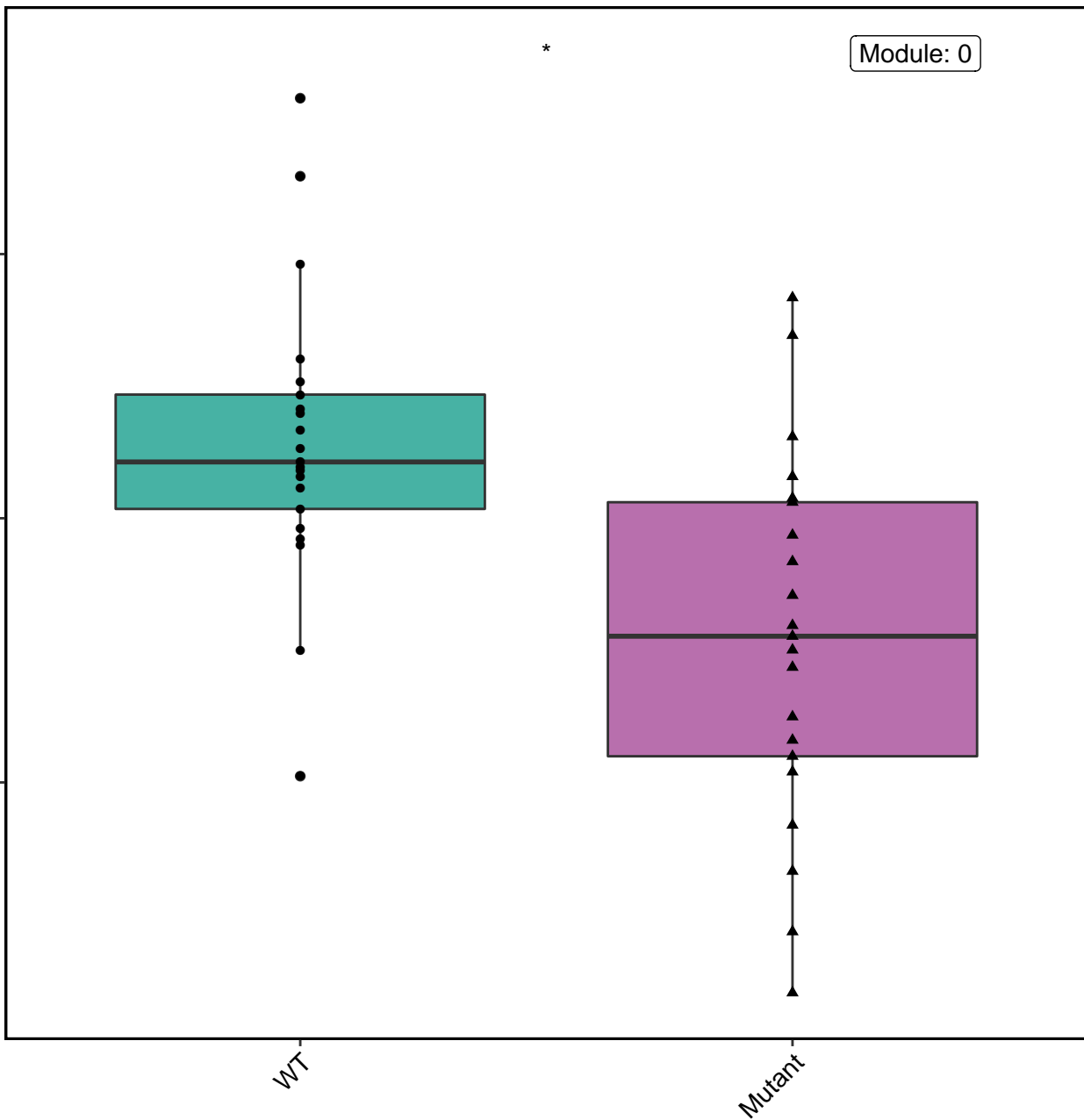
6.9

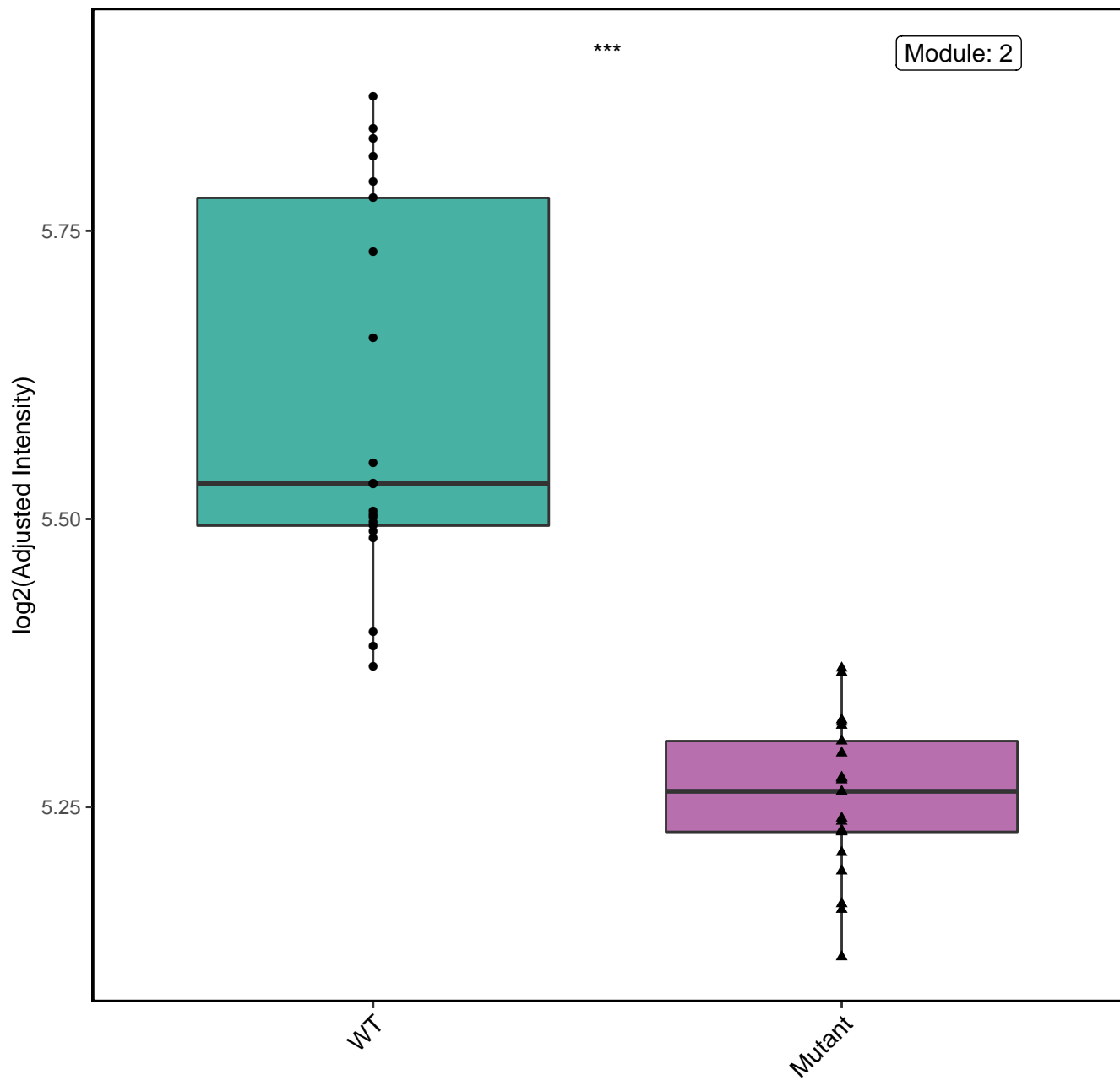
6.8

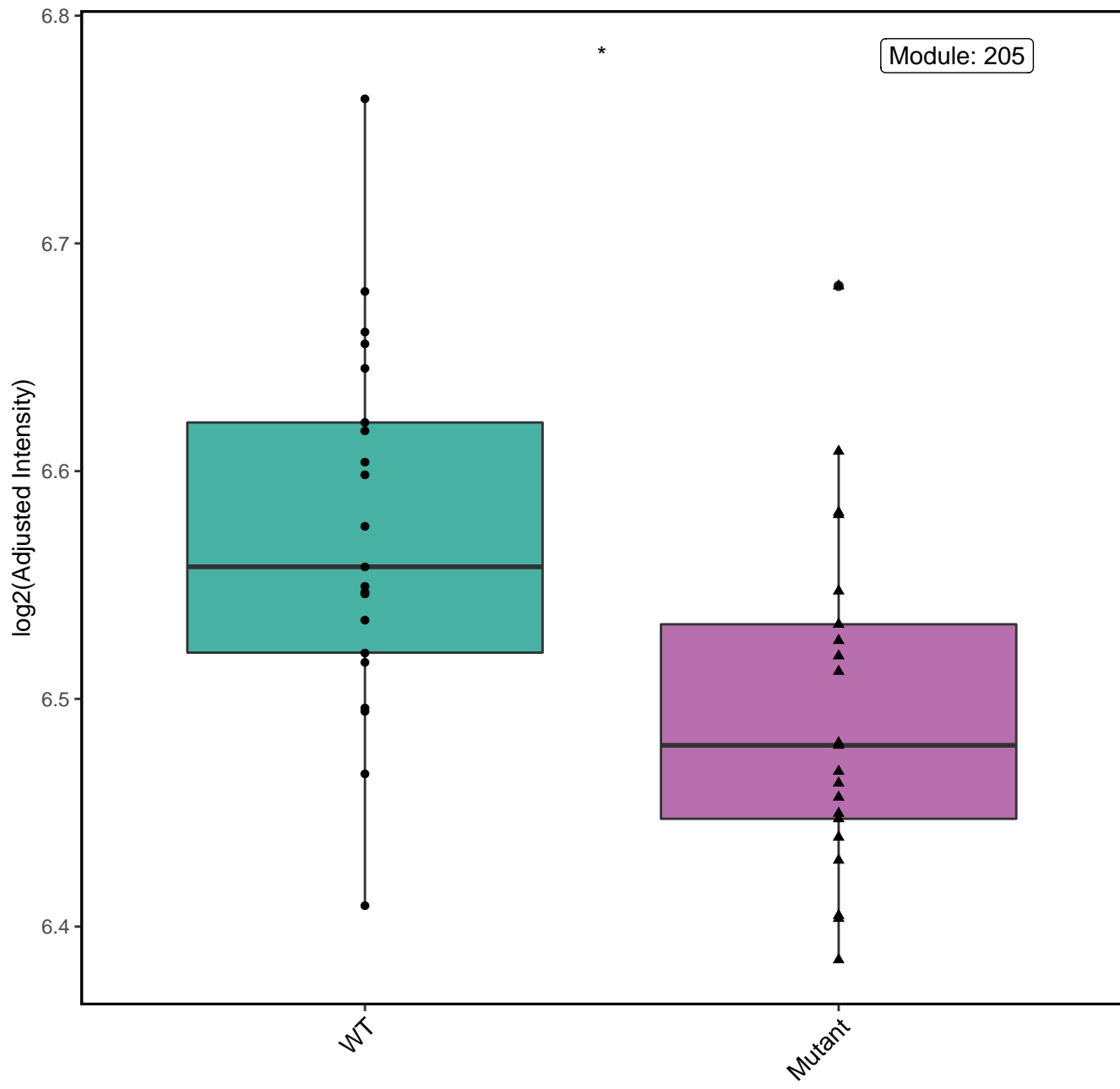
WT

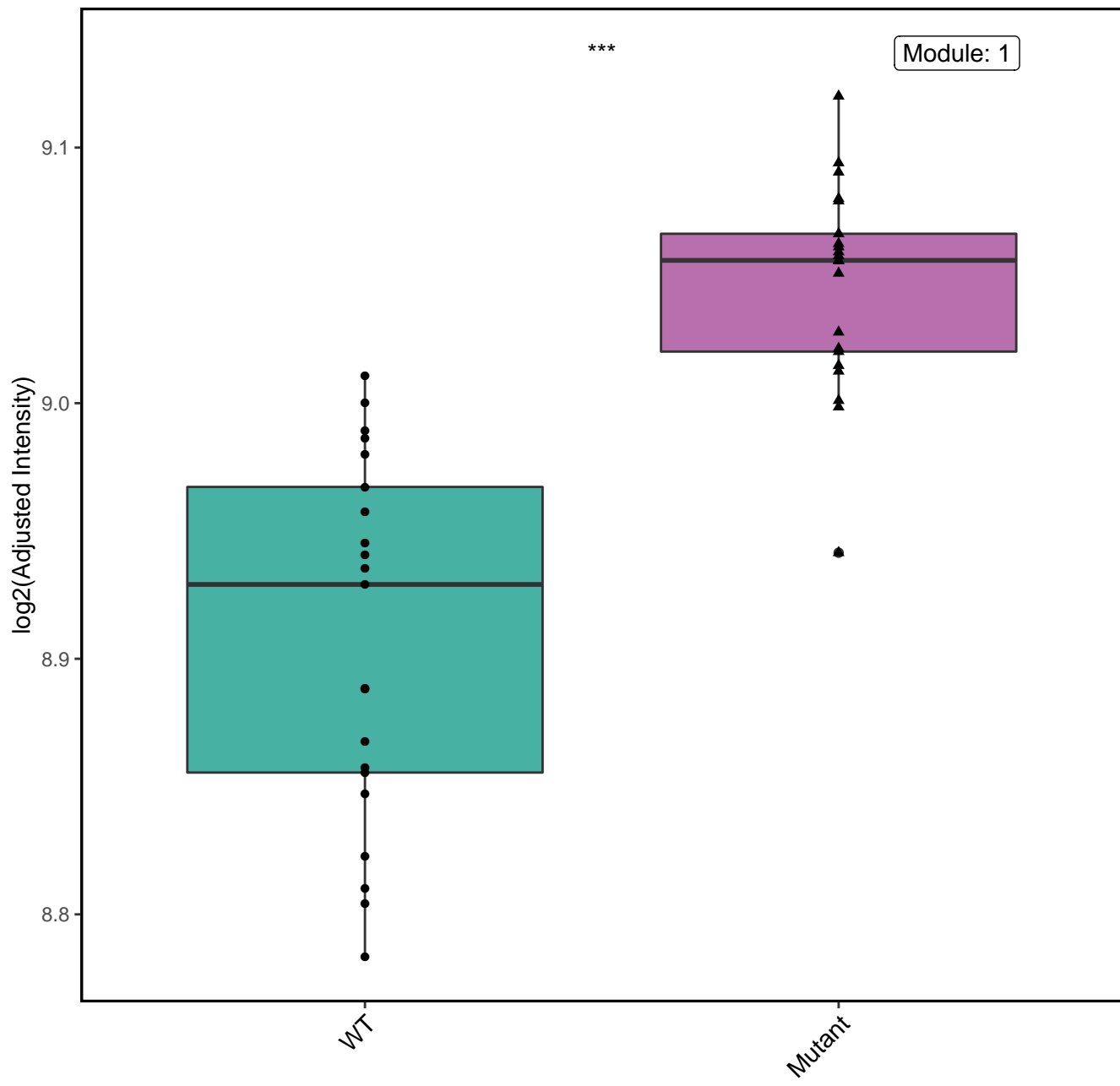
Mutant

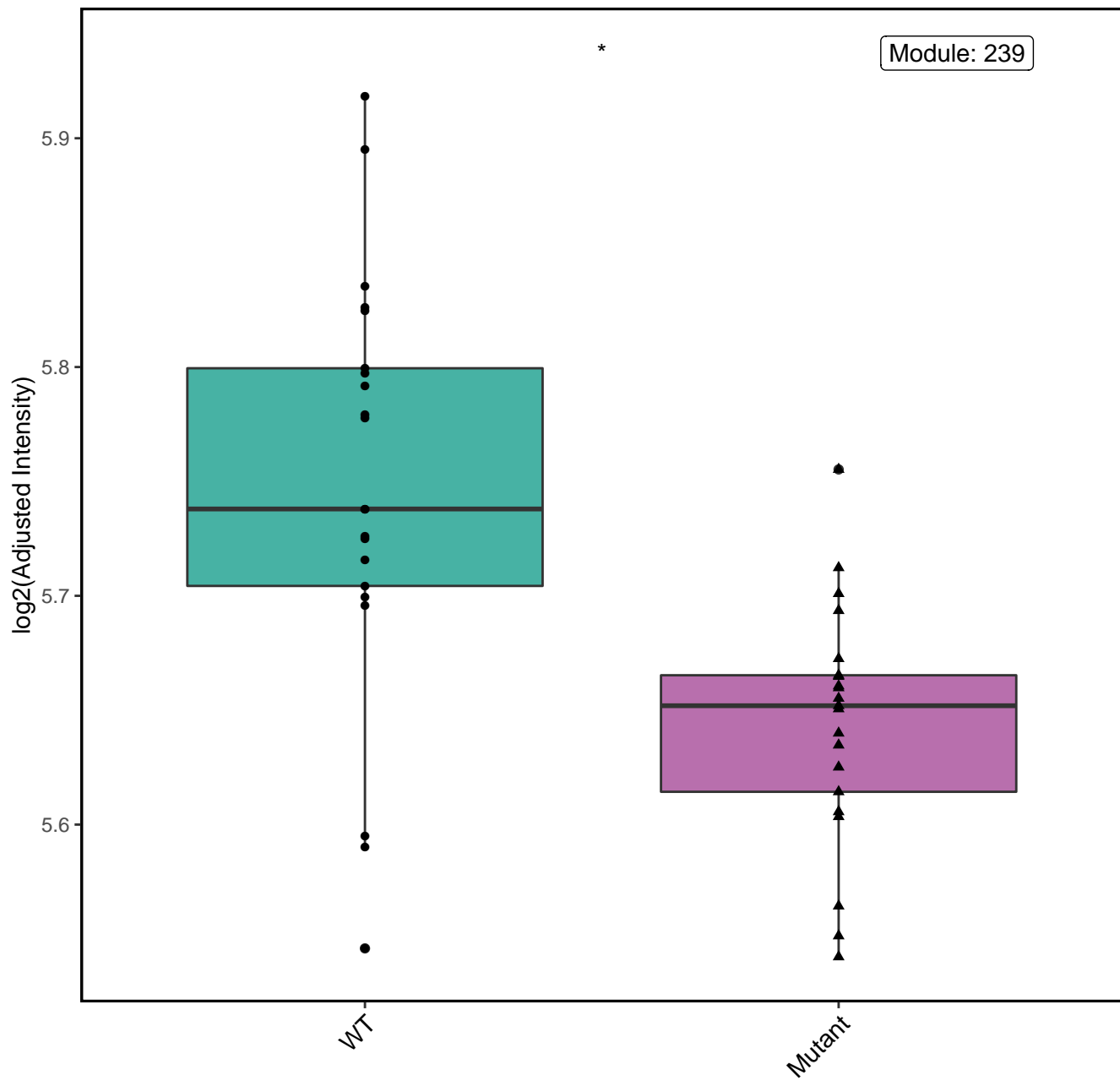
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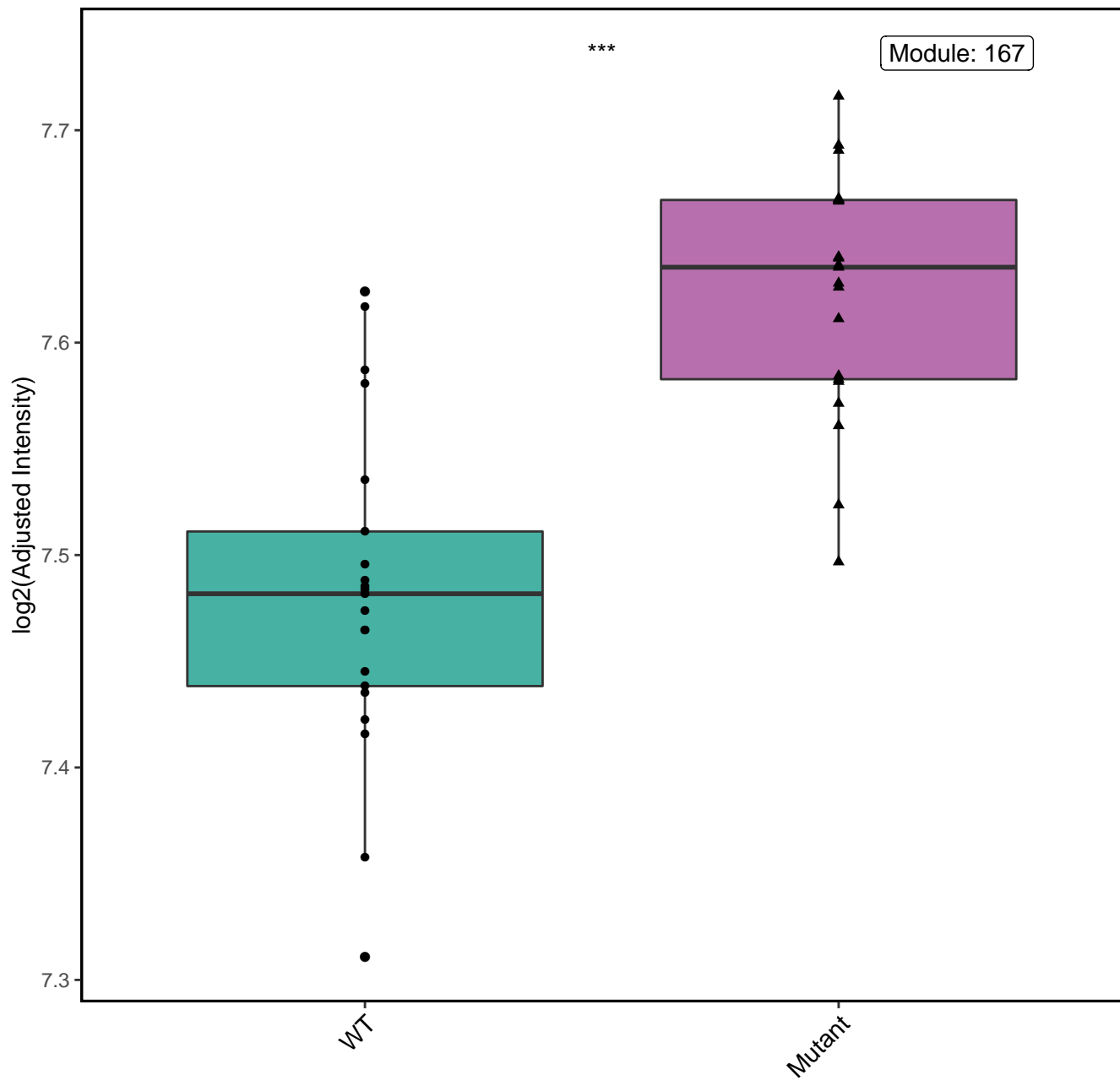




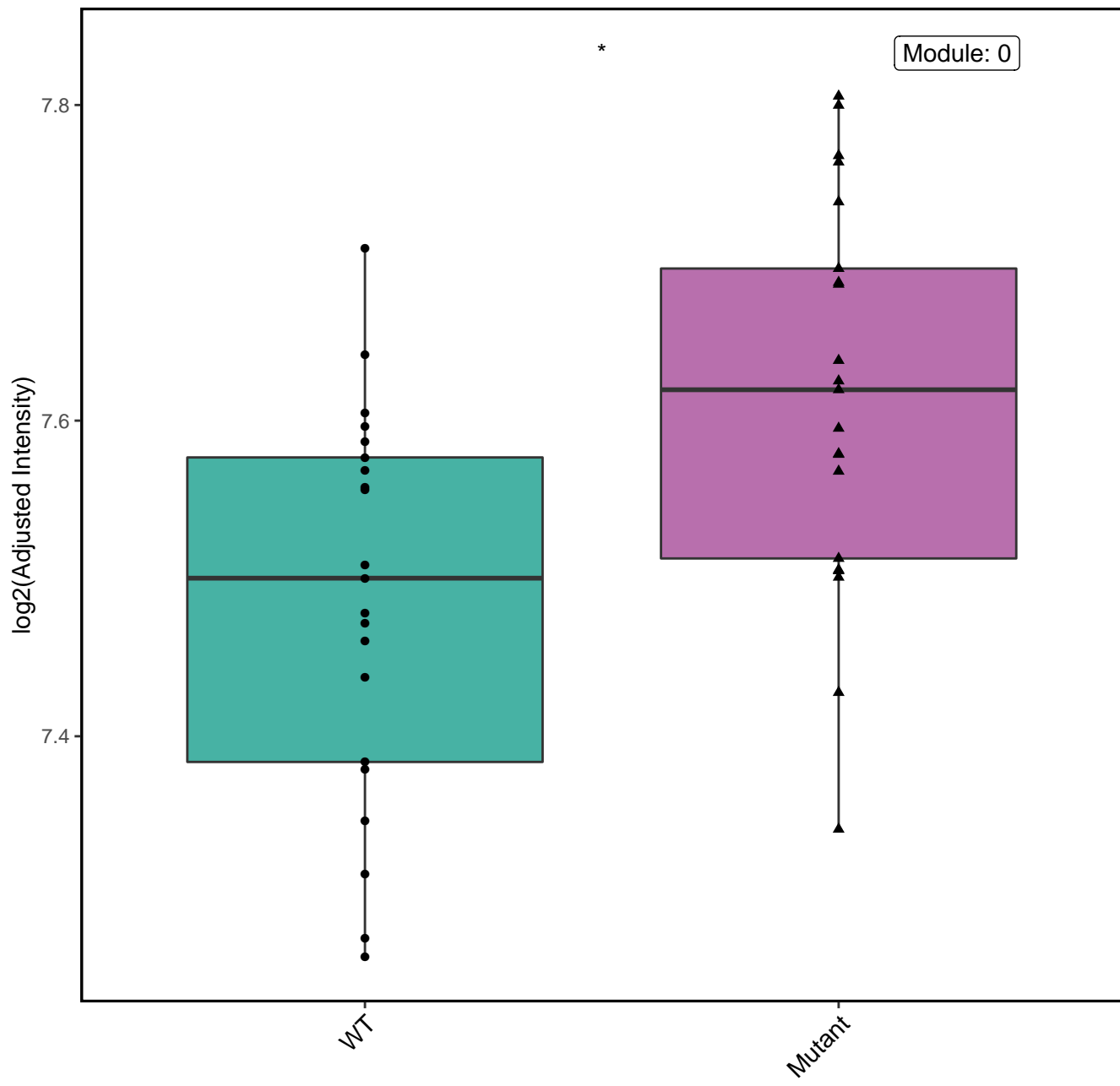


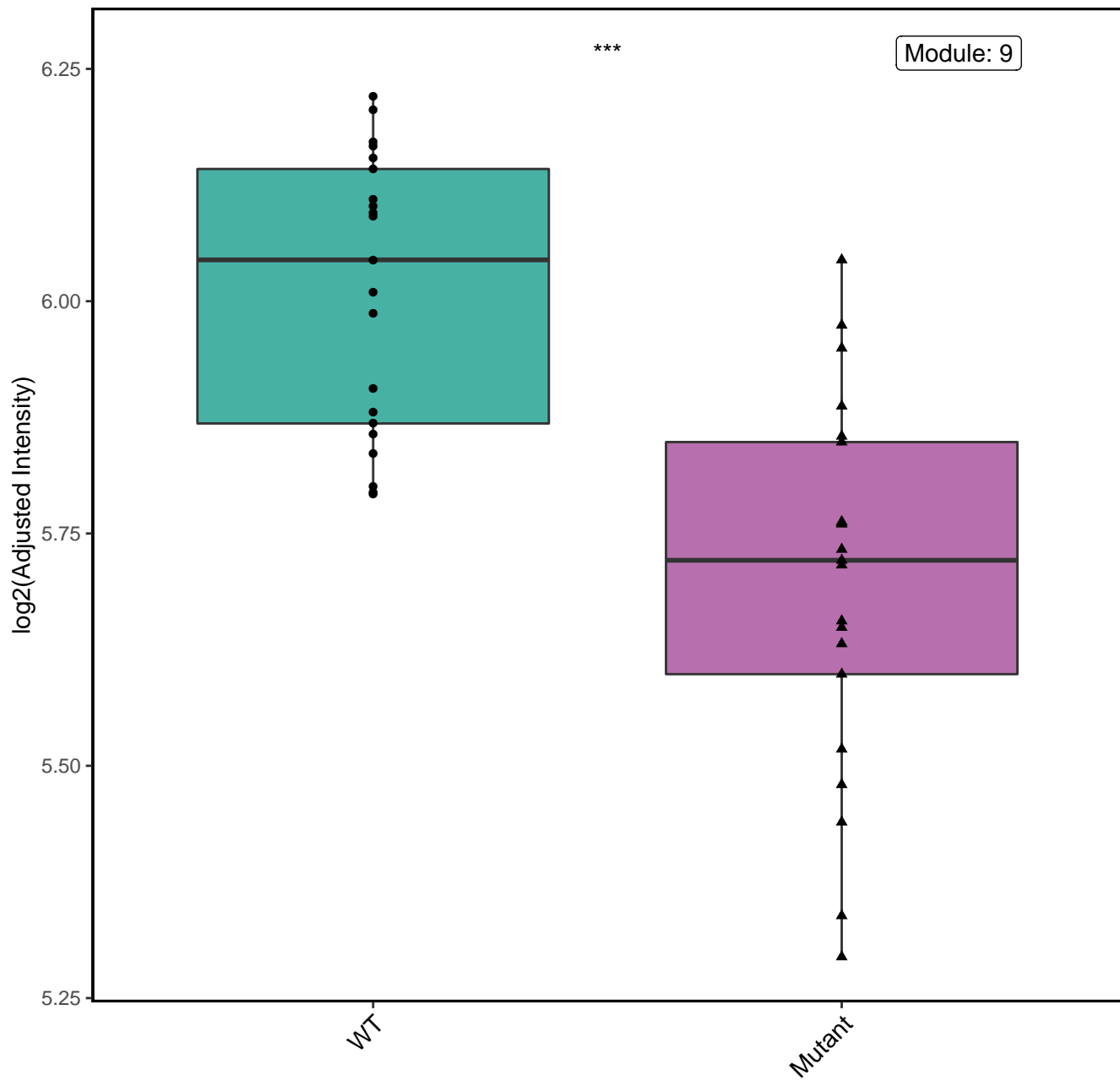


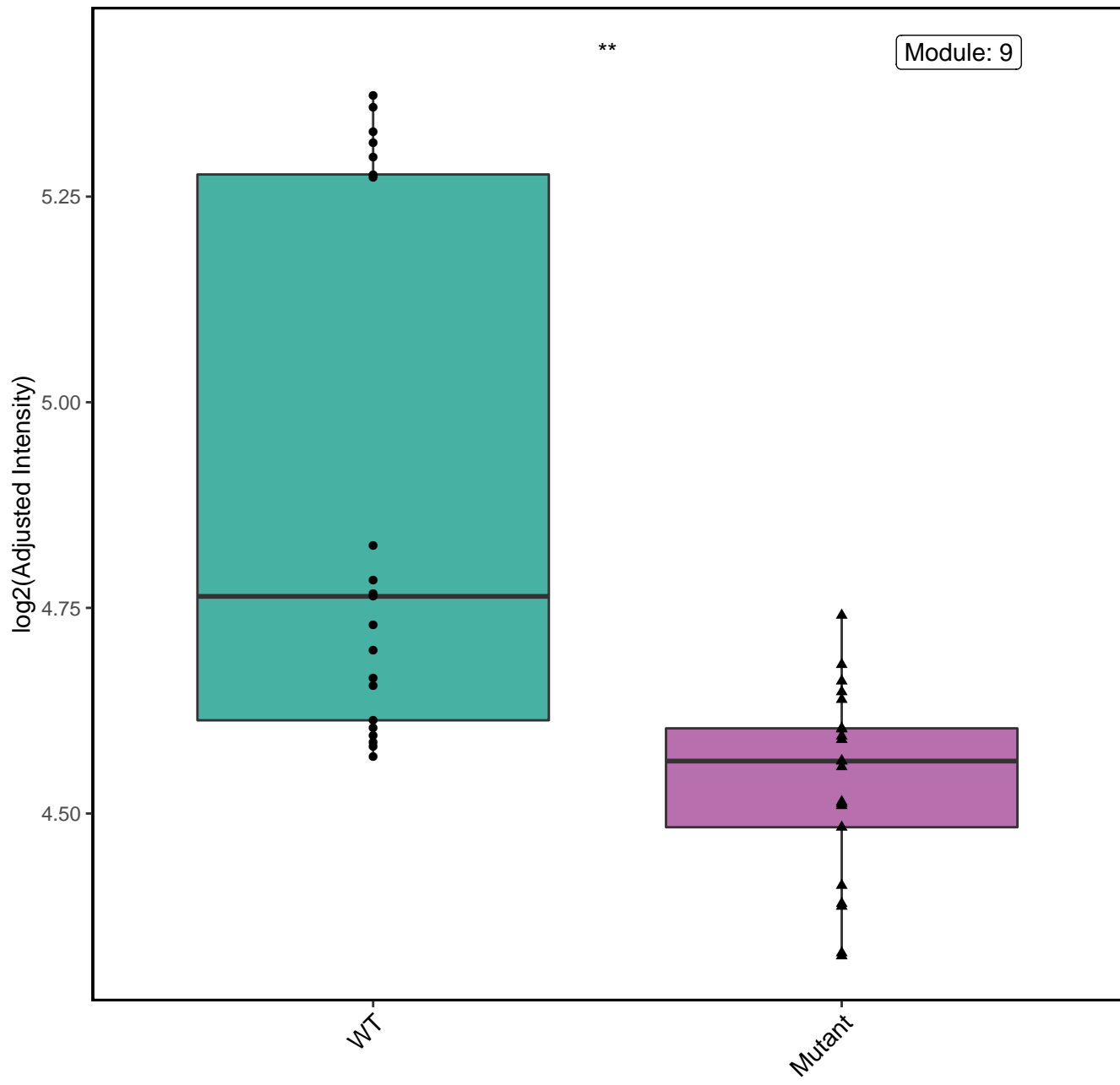


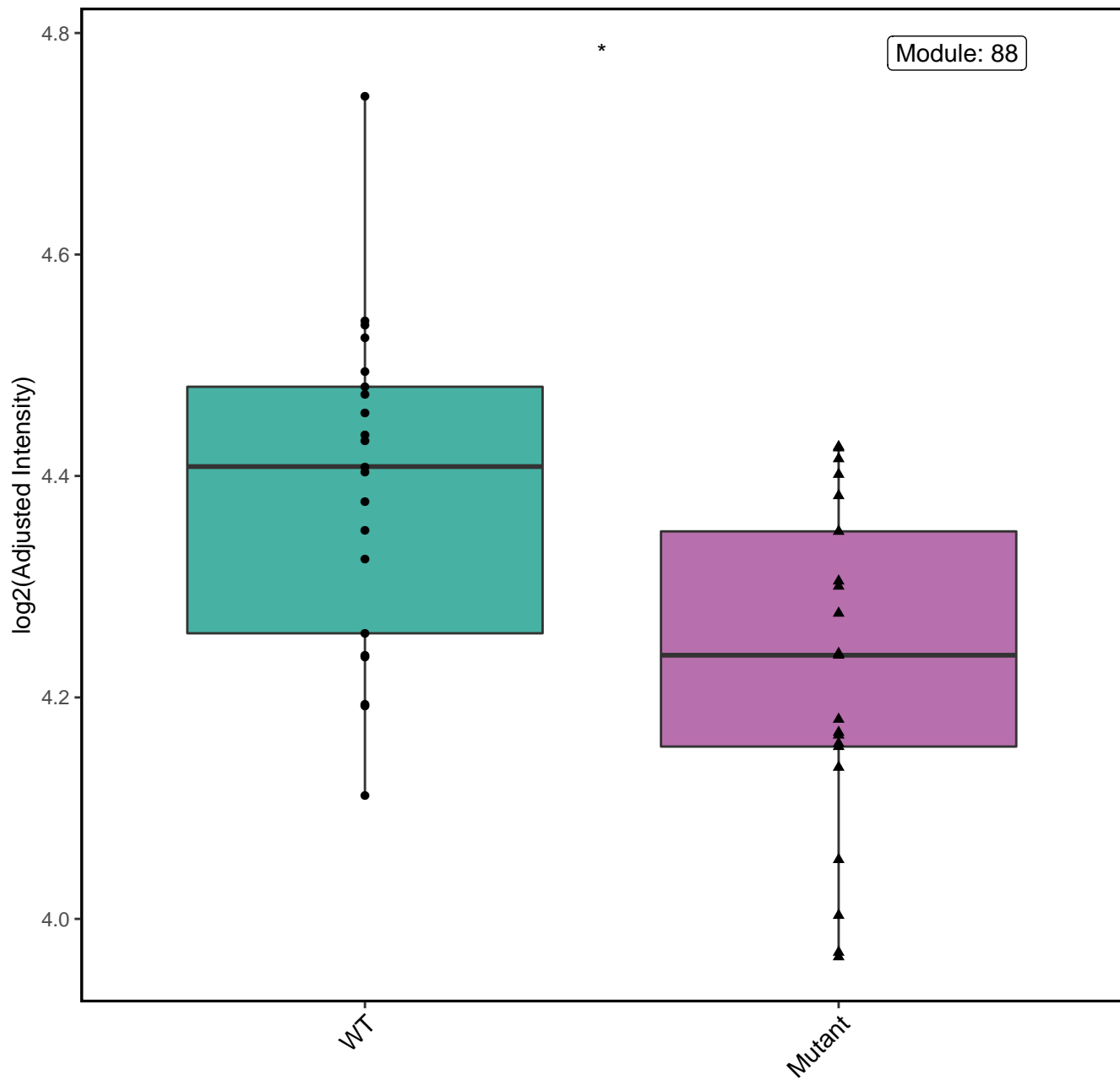


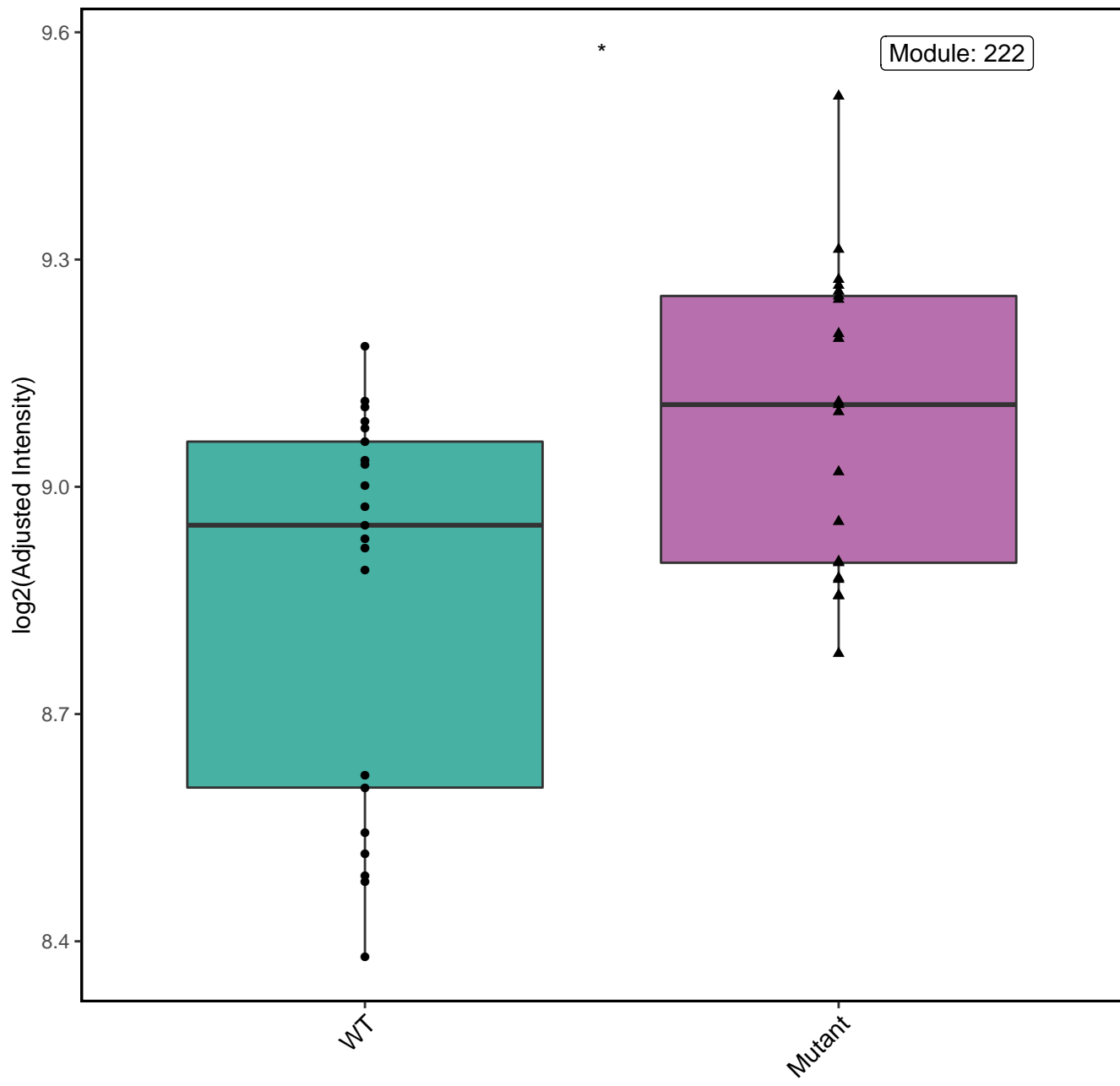


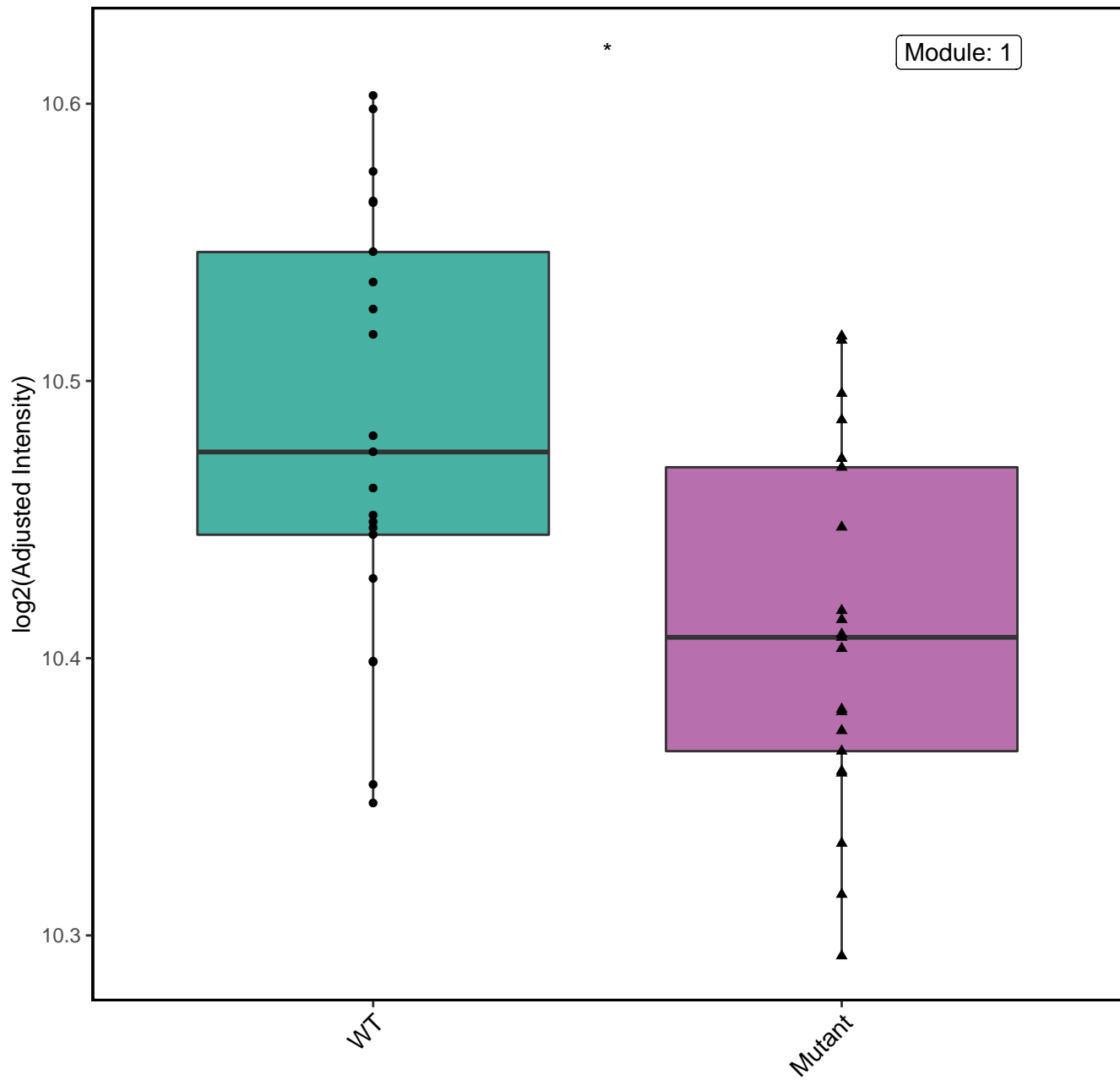


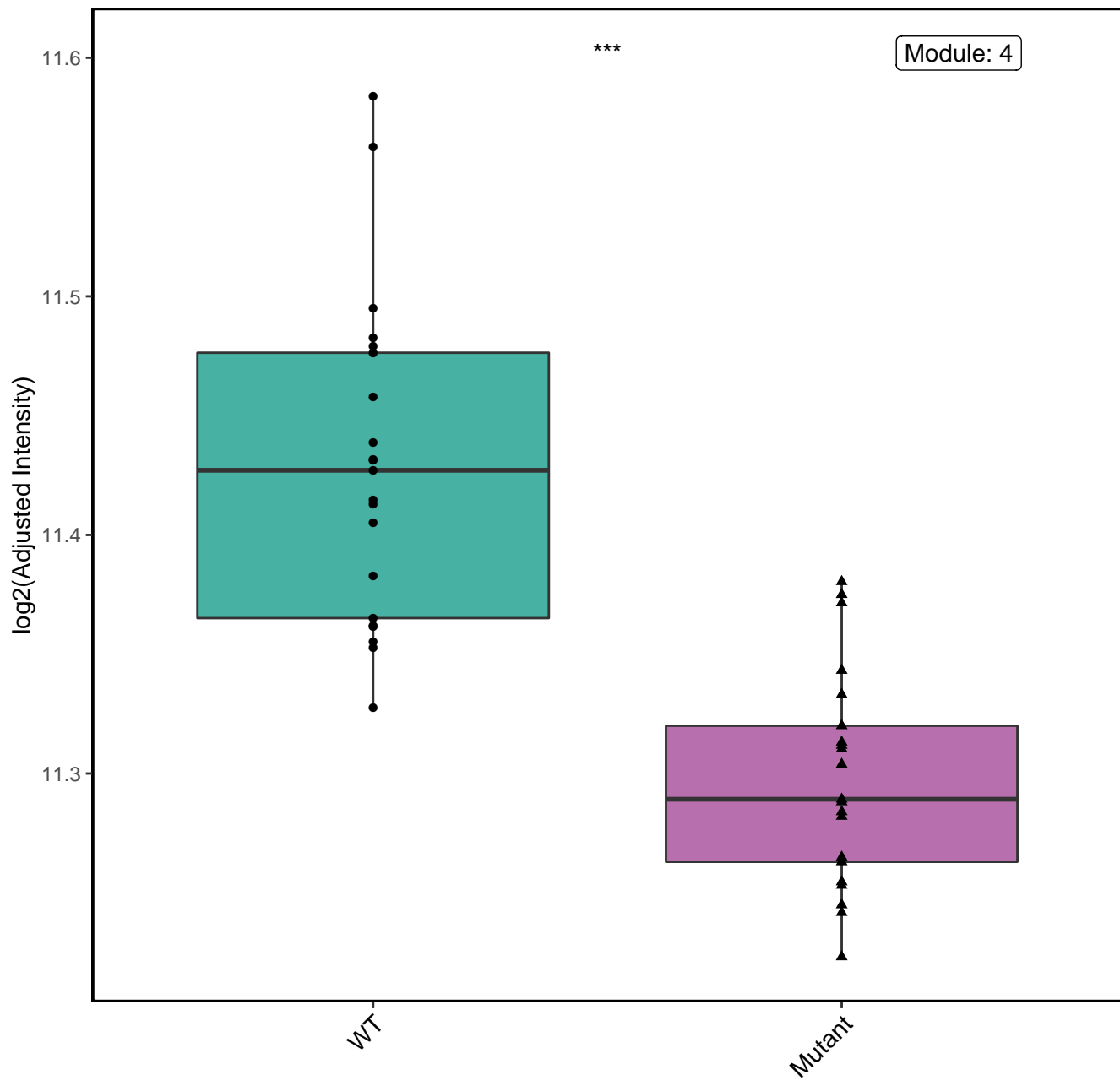


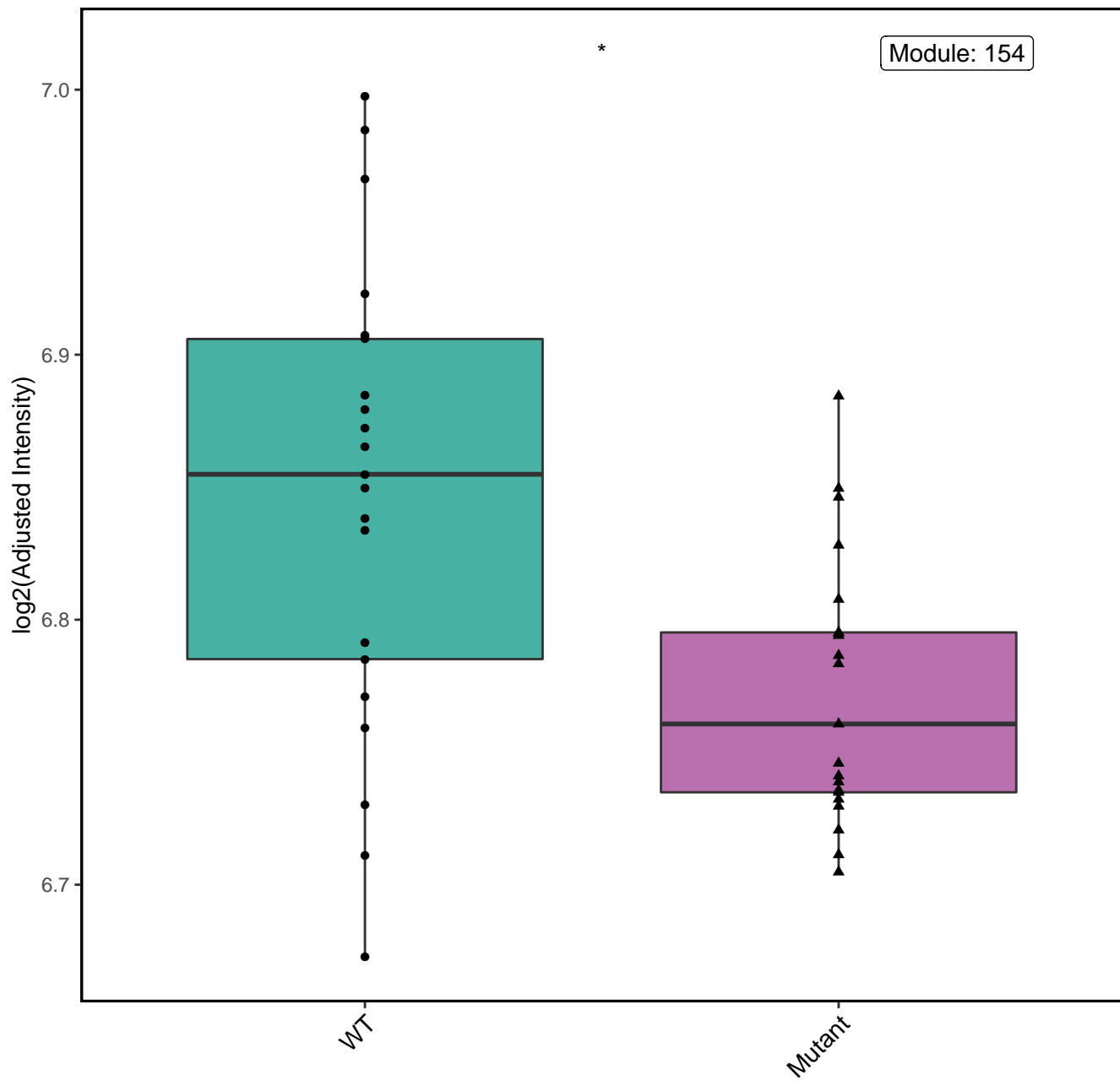




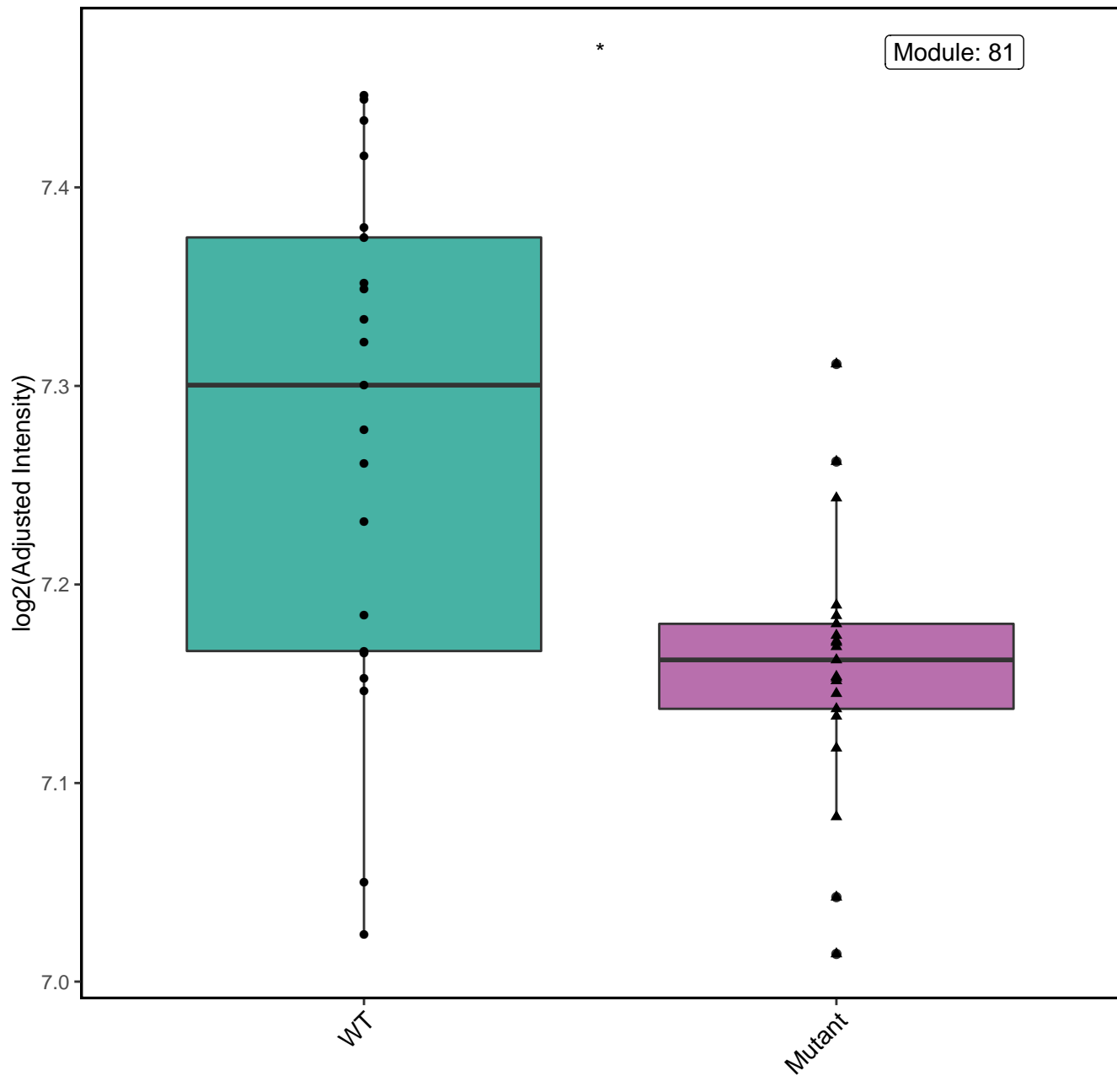


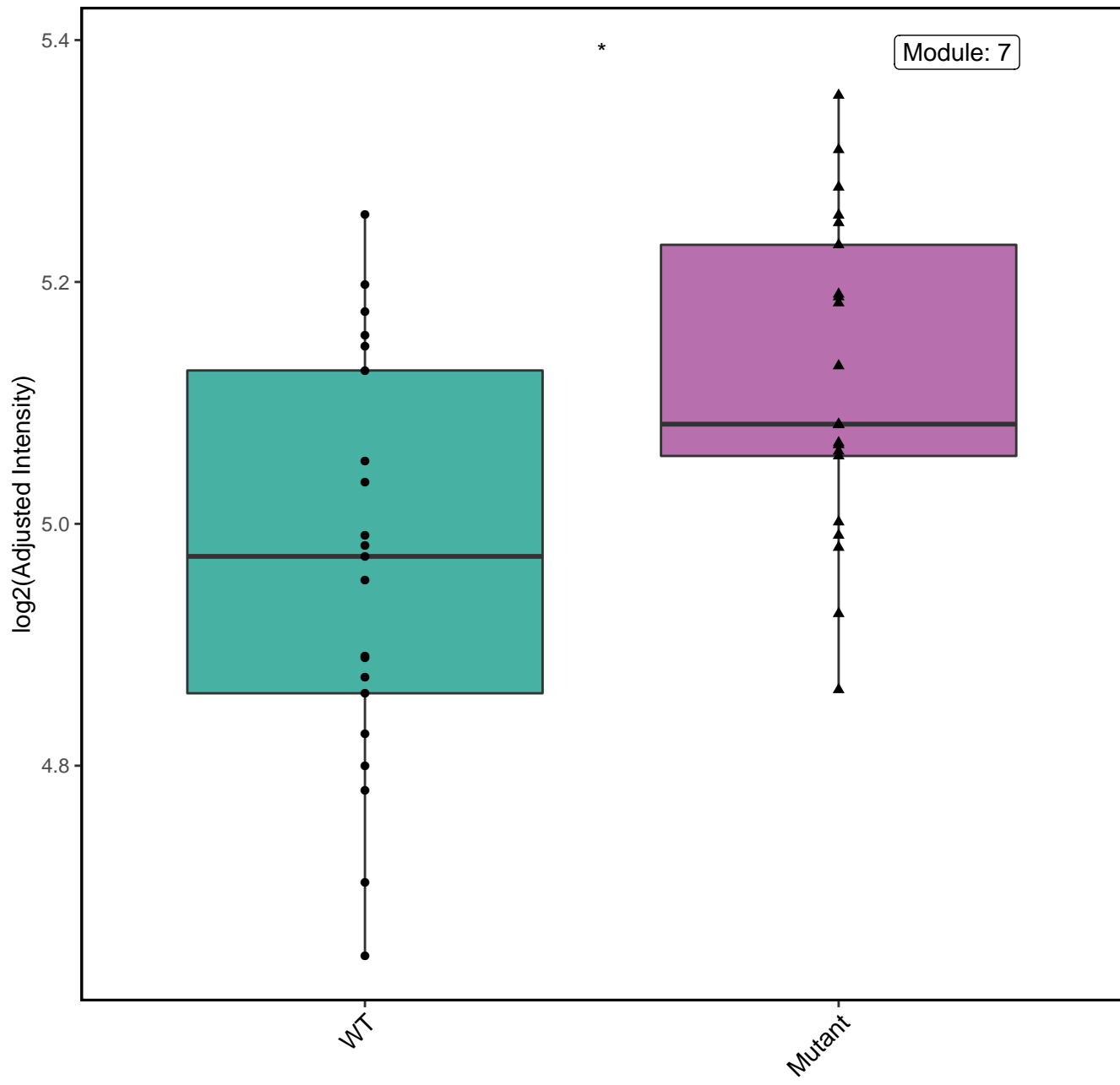


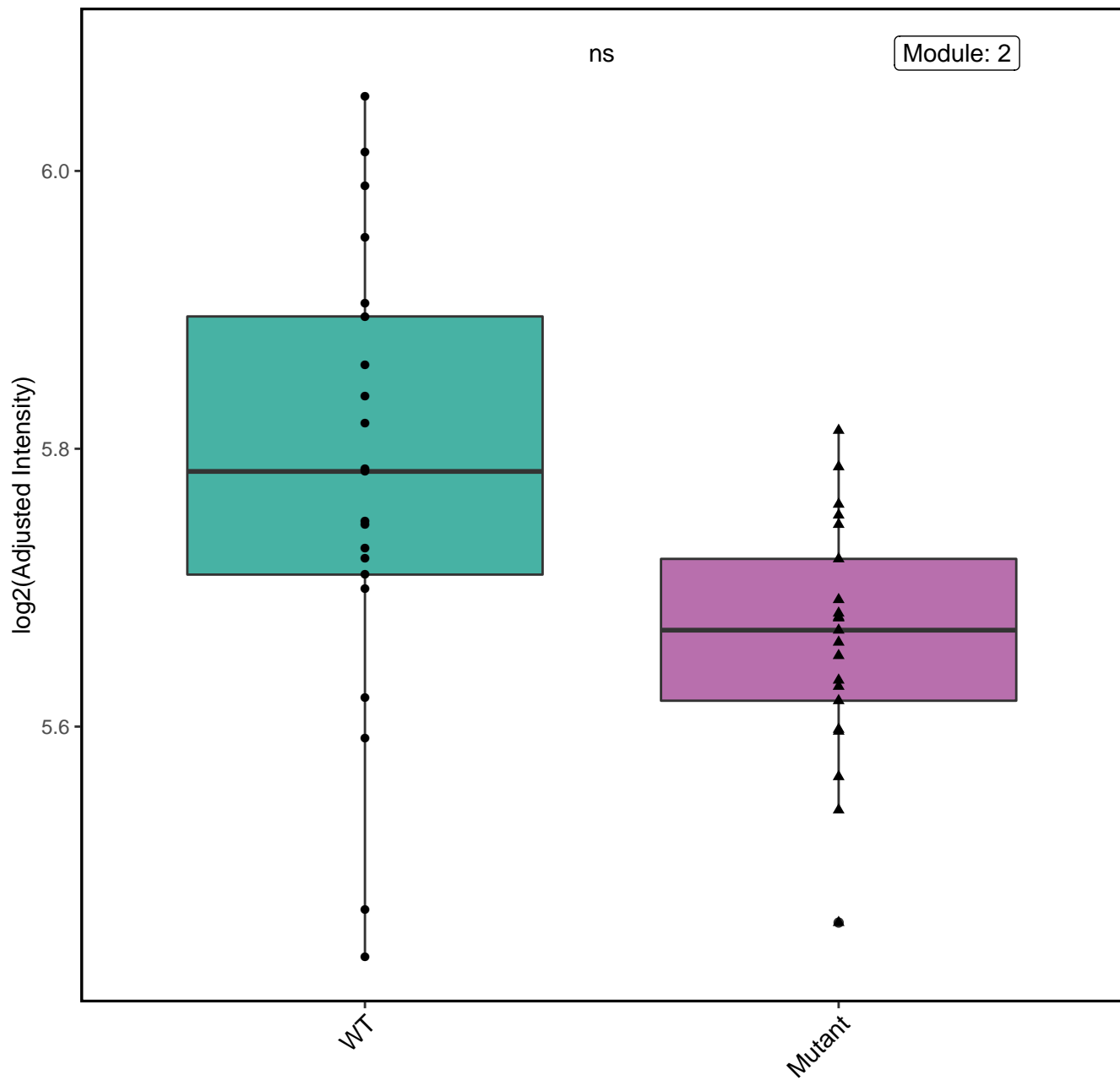


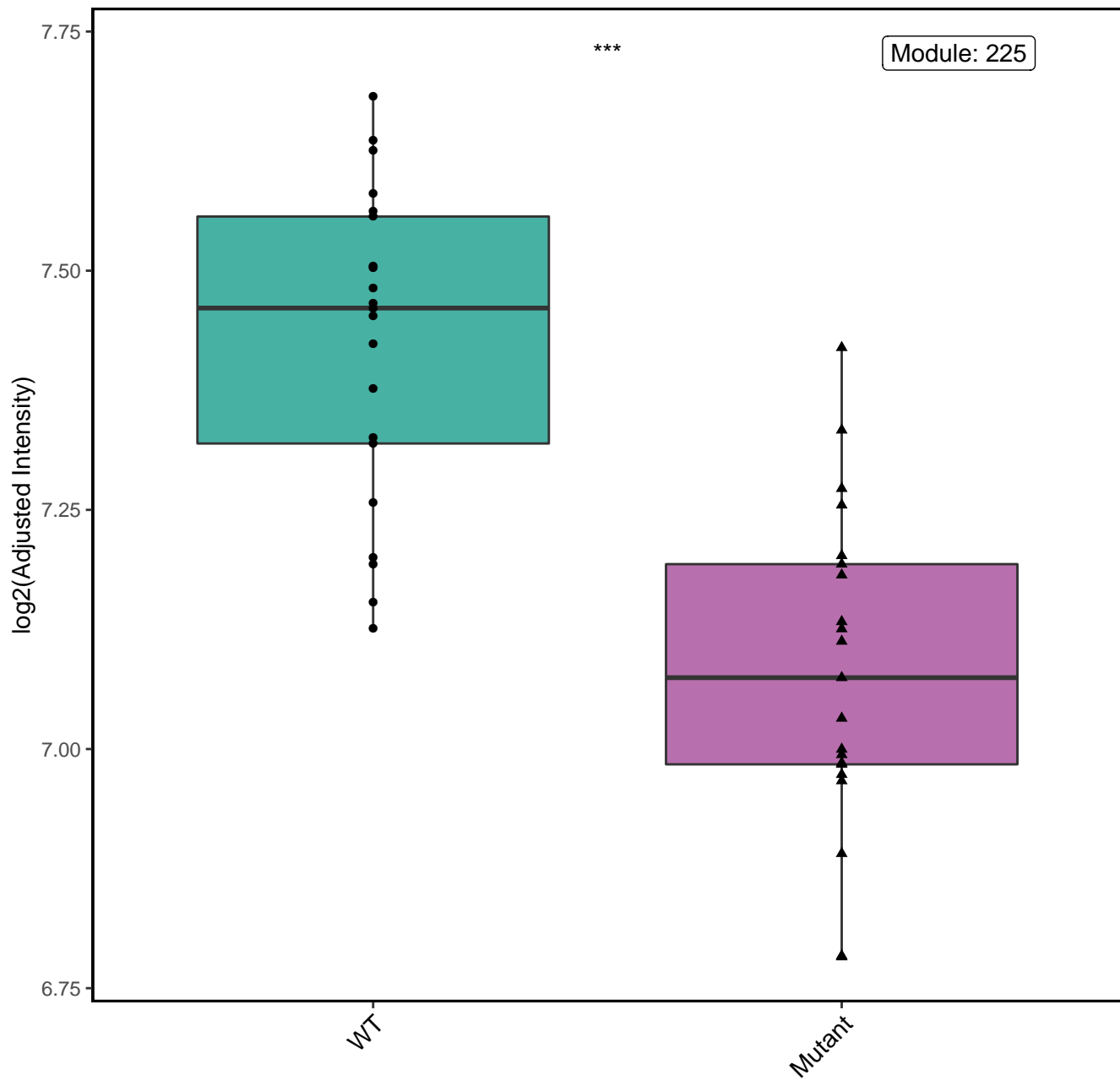


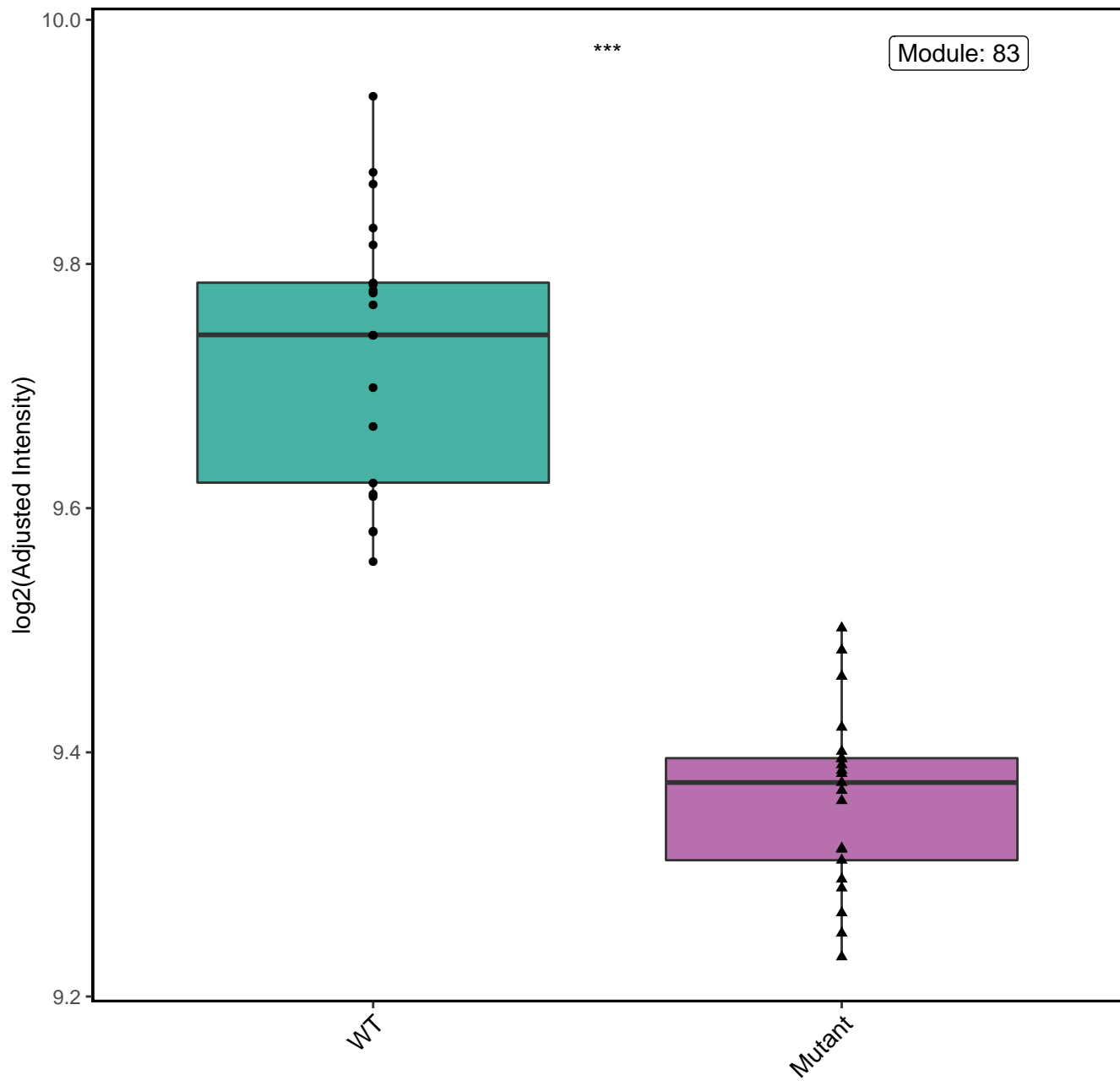


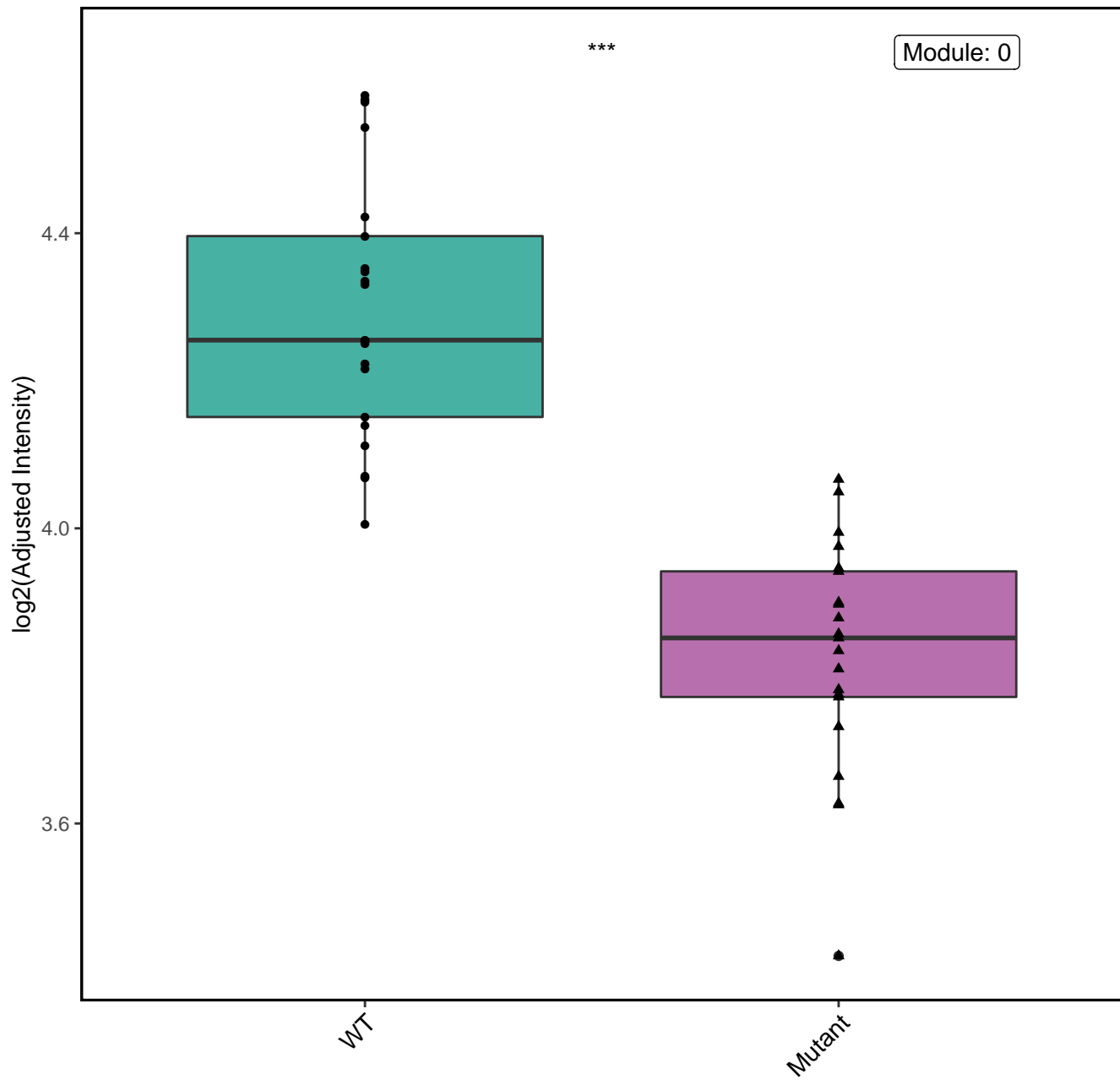


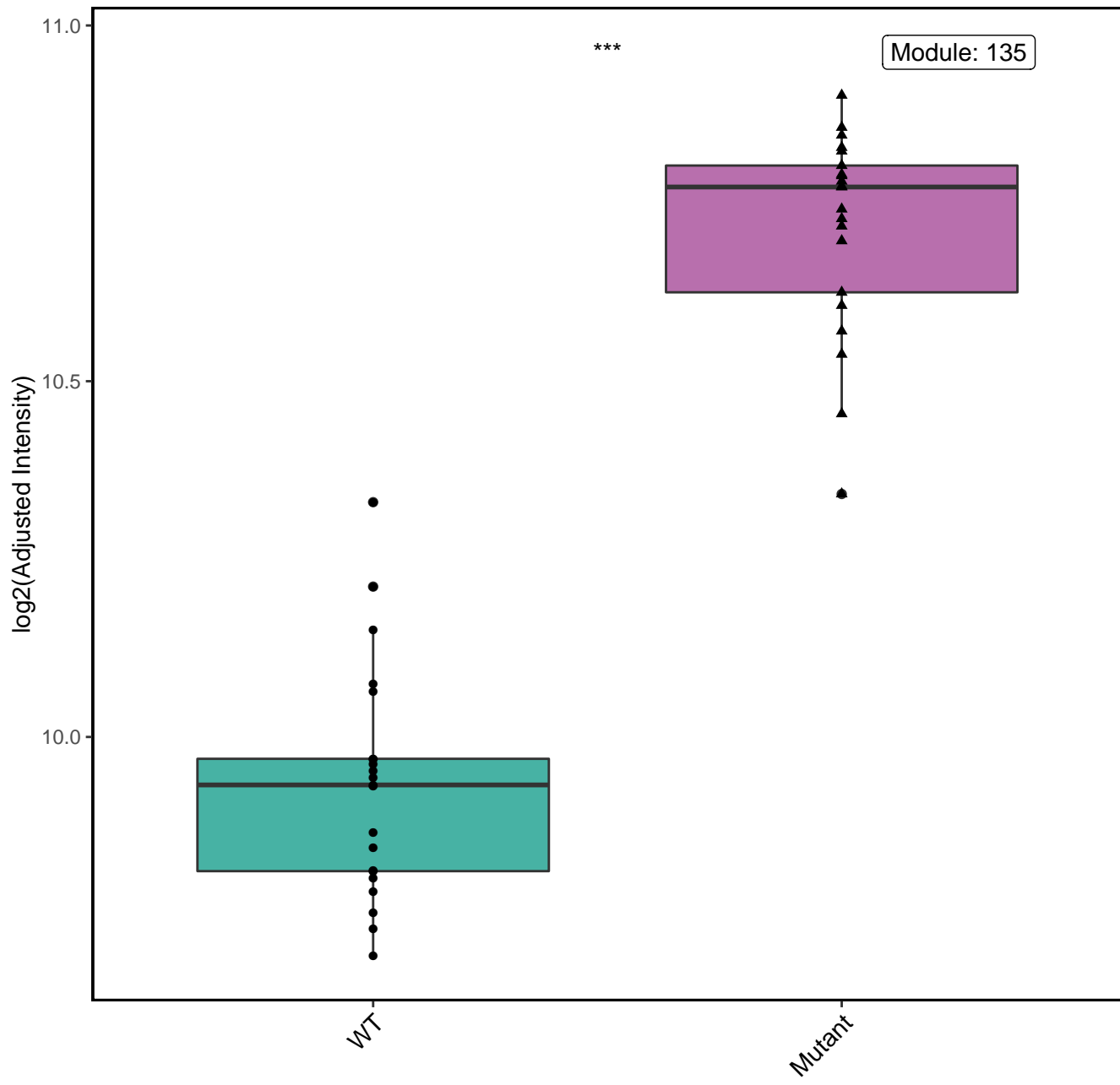


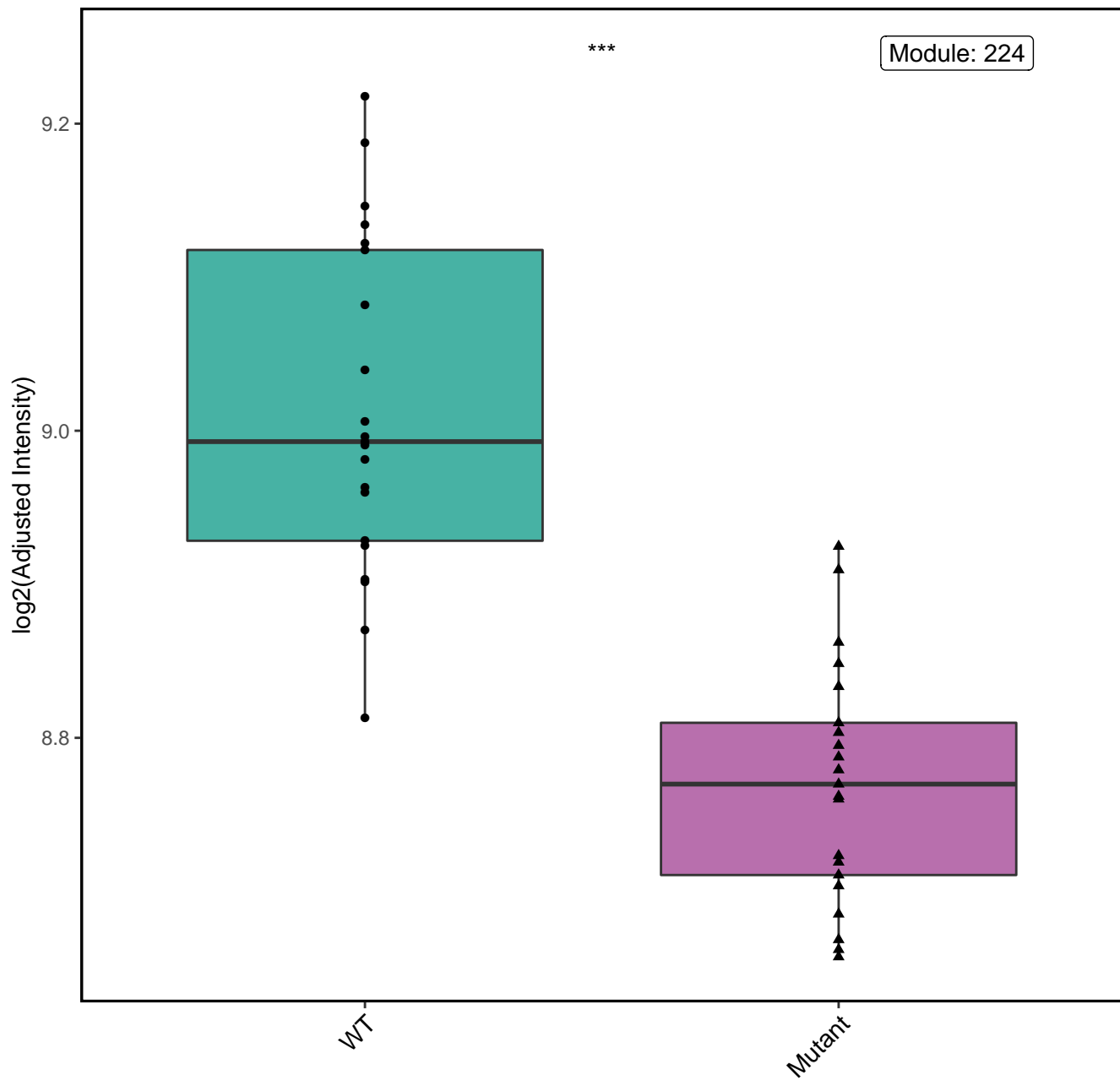




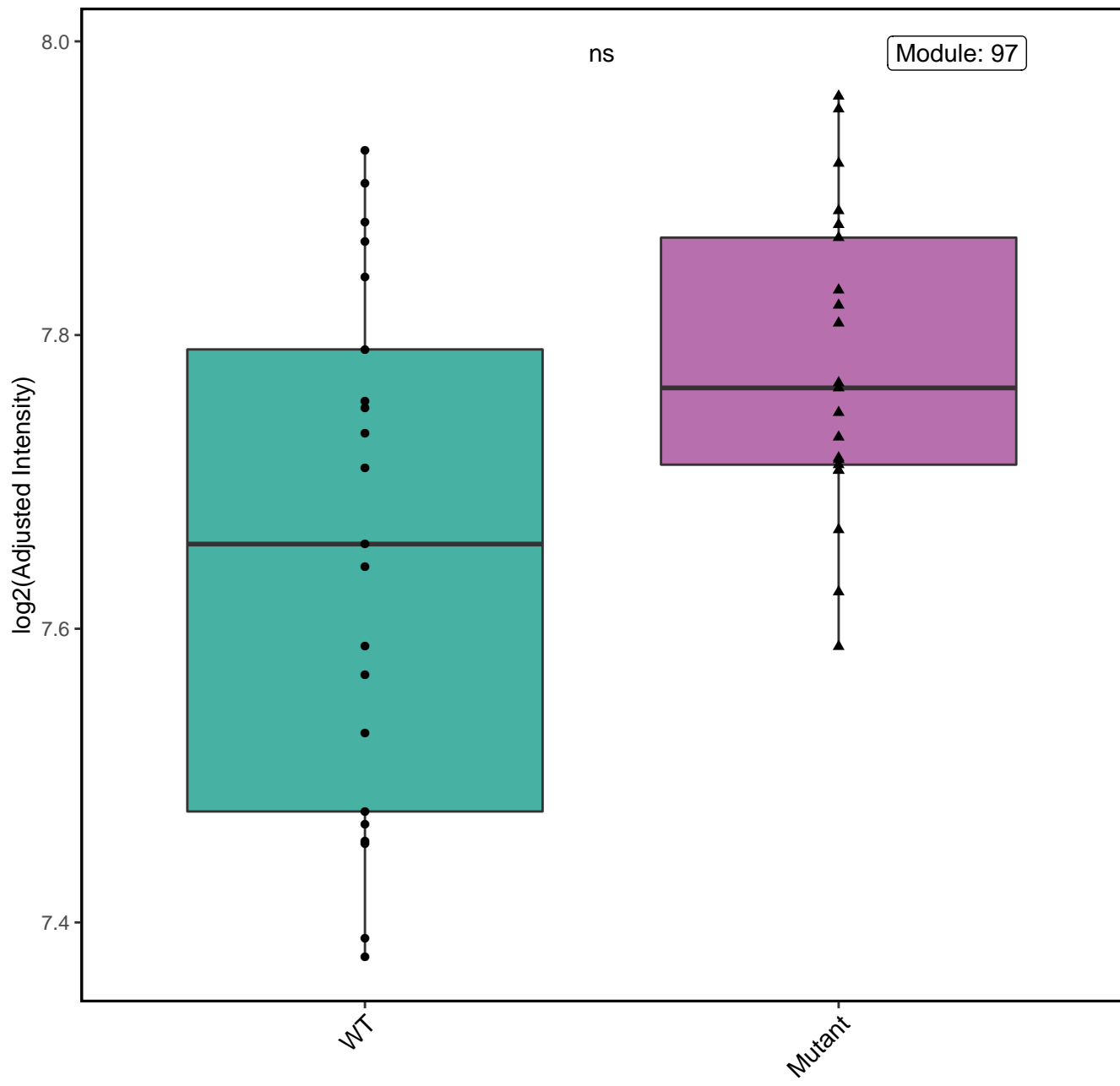


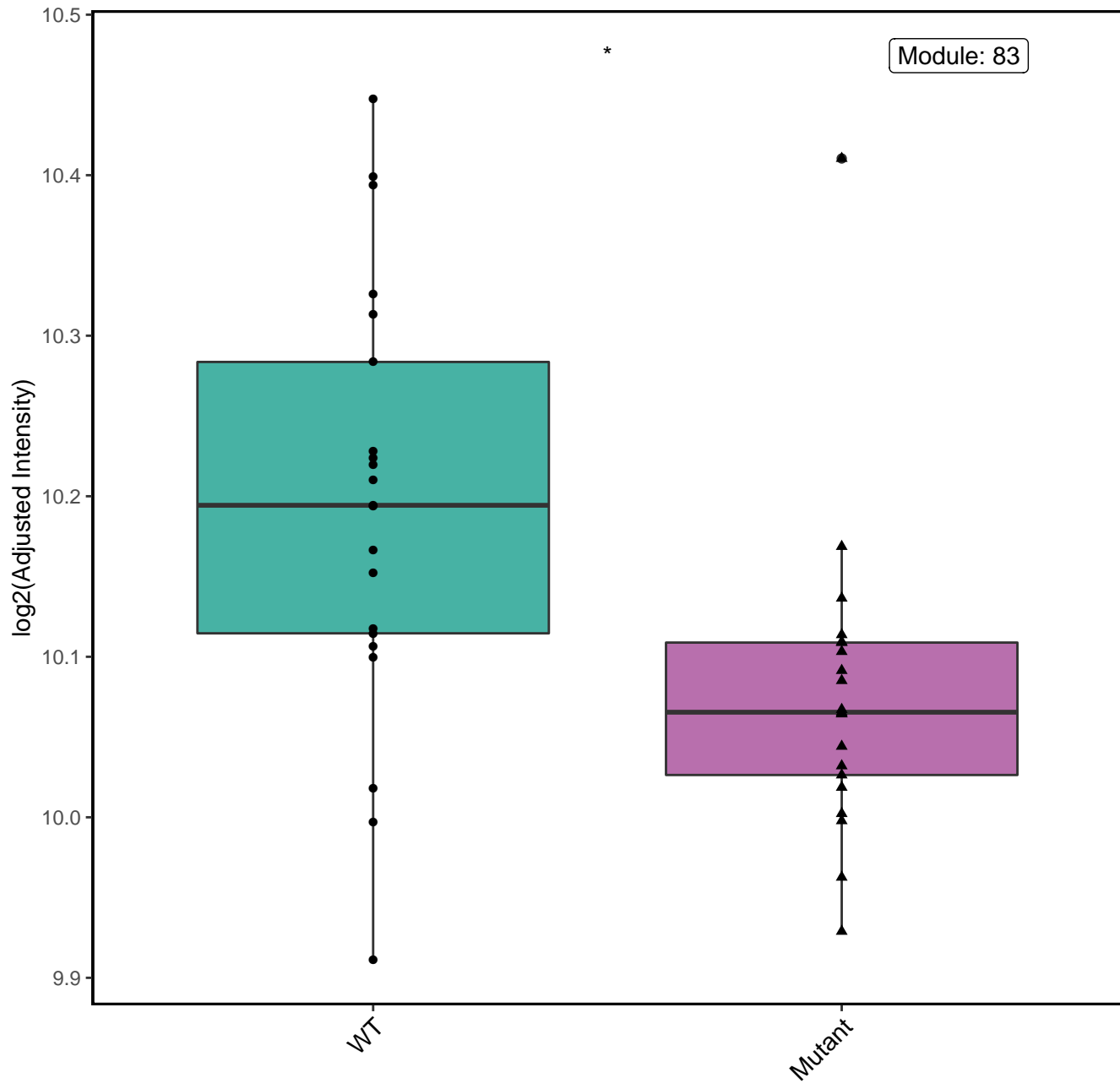


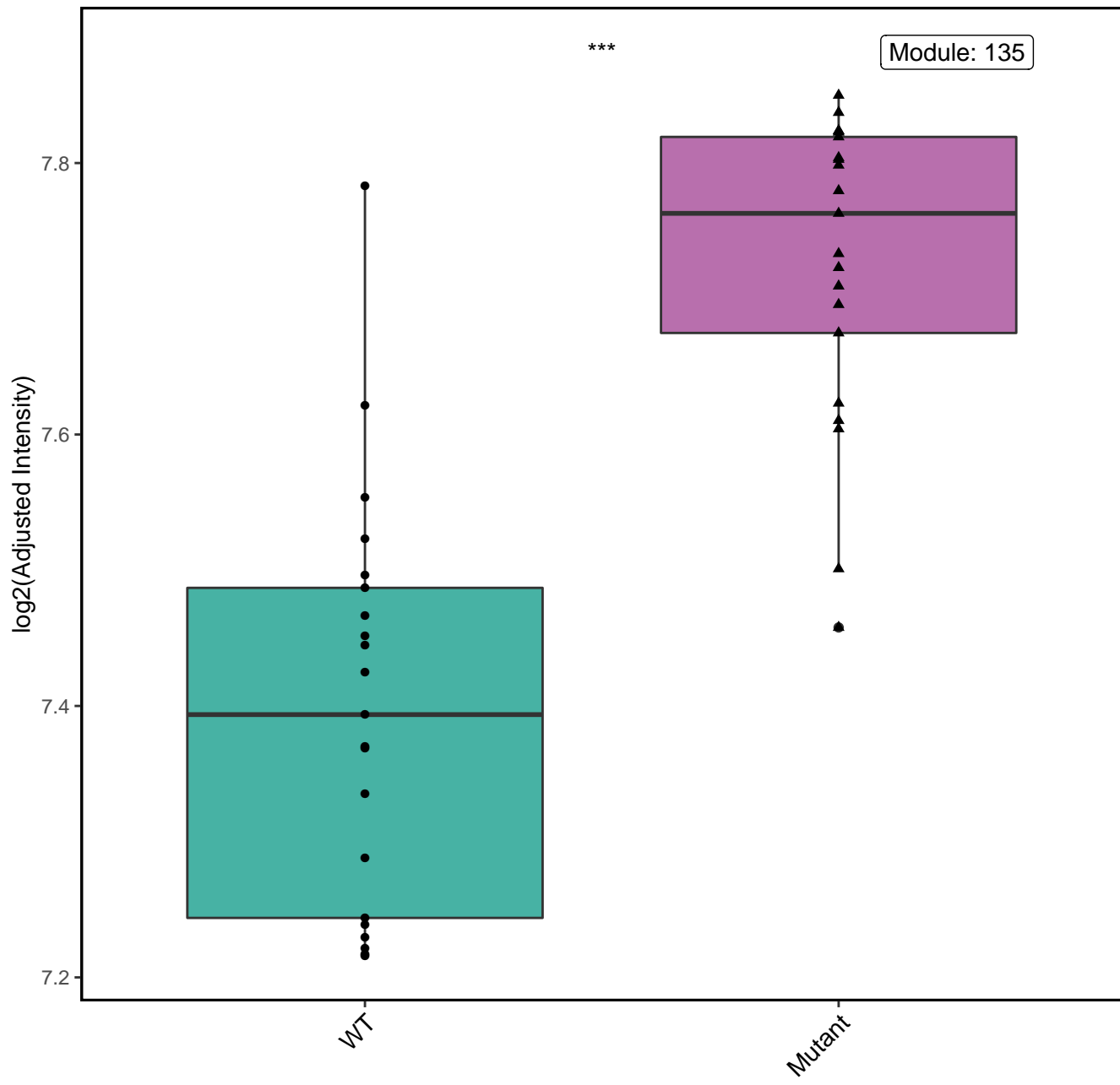












$\log_2(\text{Adjusted Intensity})$ 

7.8

7.6

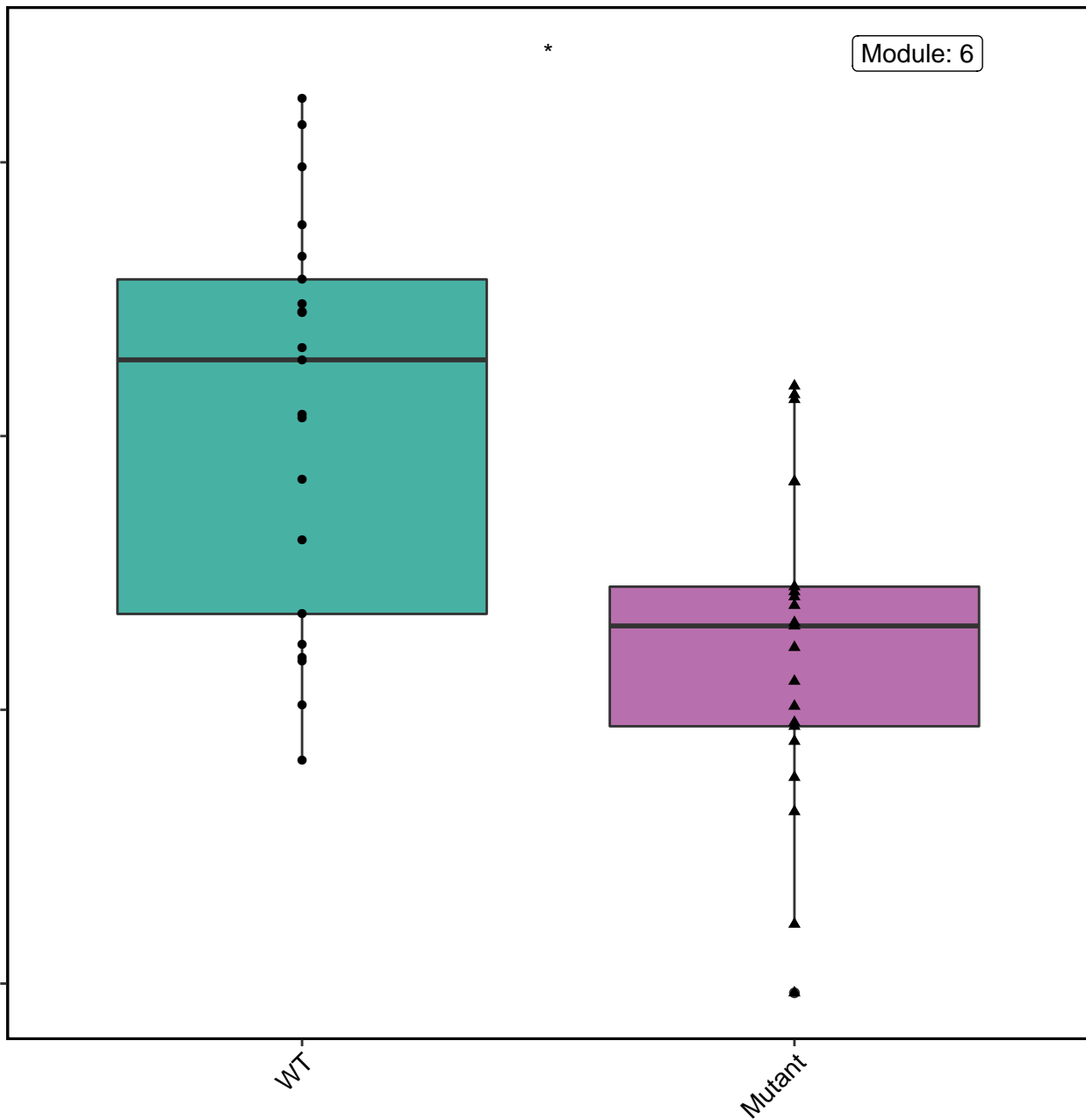
7.4

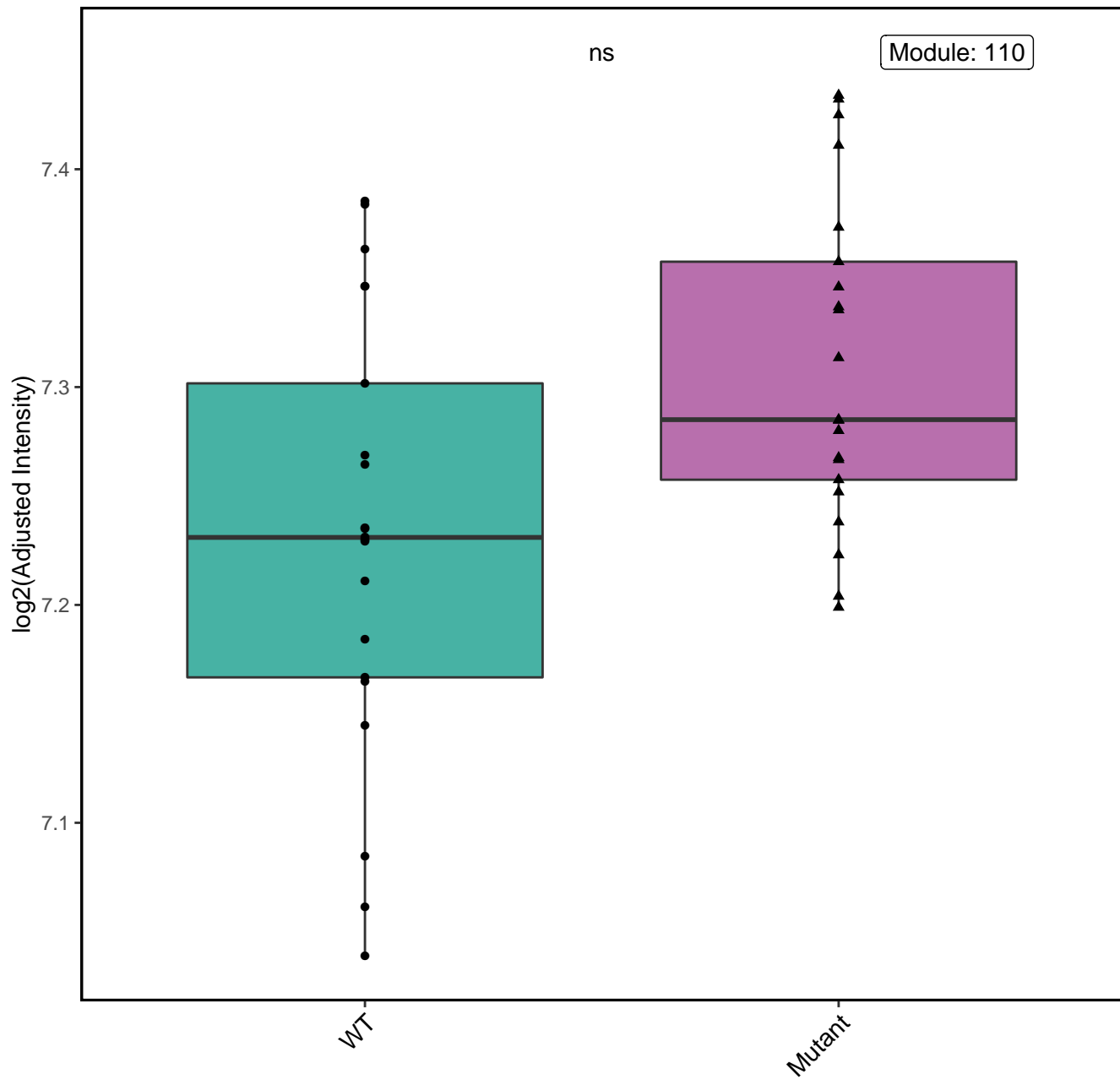
7.2

WT

Mutant

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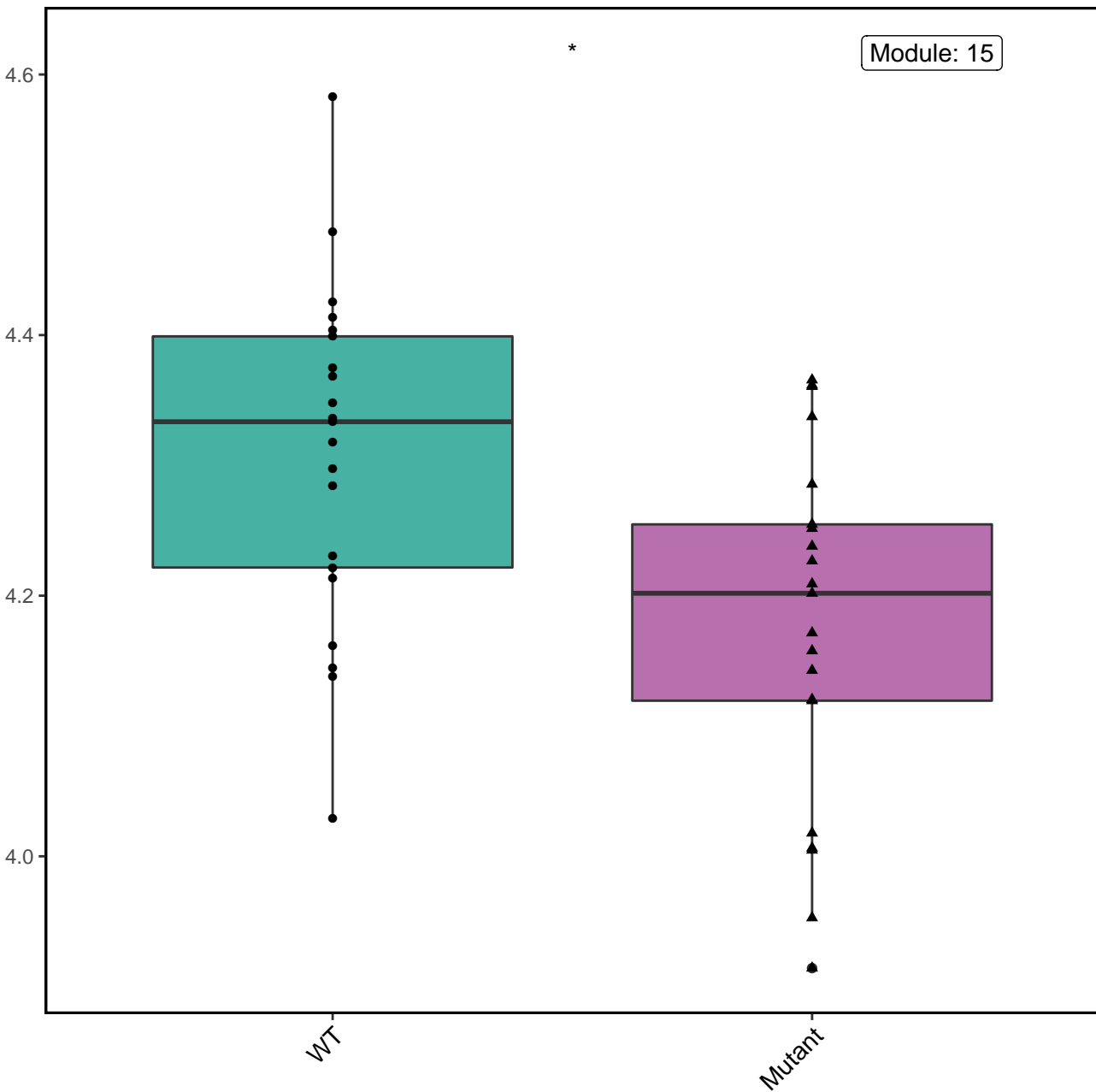


log2(Adjusted Intensity)

WT

Mutant

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log2(Adjusted Intensity)

8.6

8.5

8.4

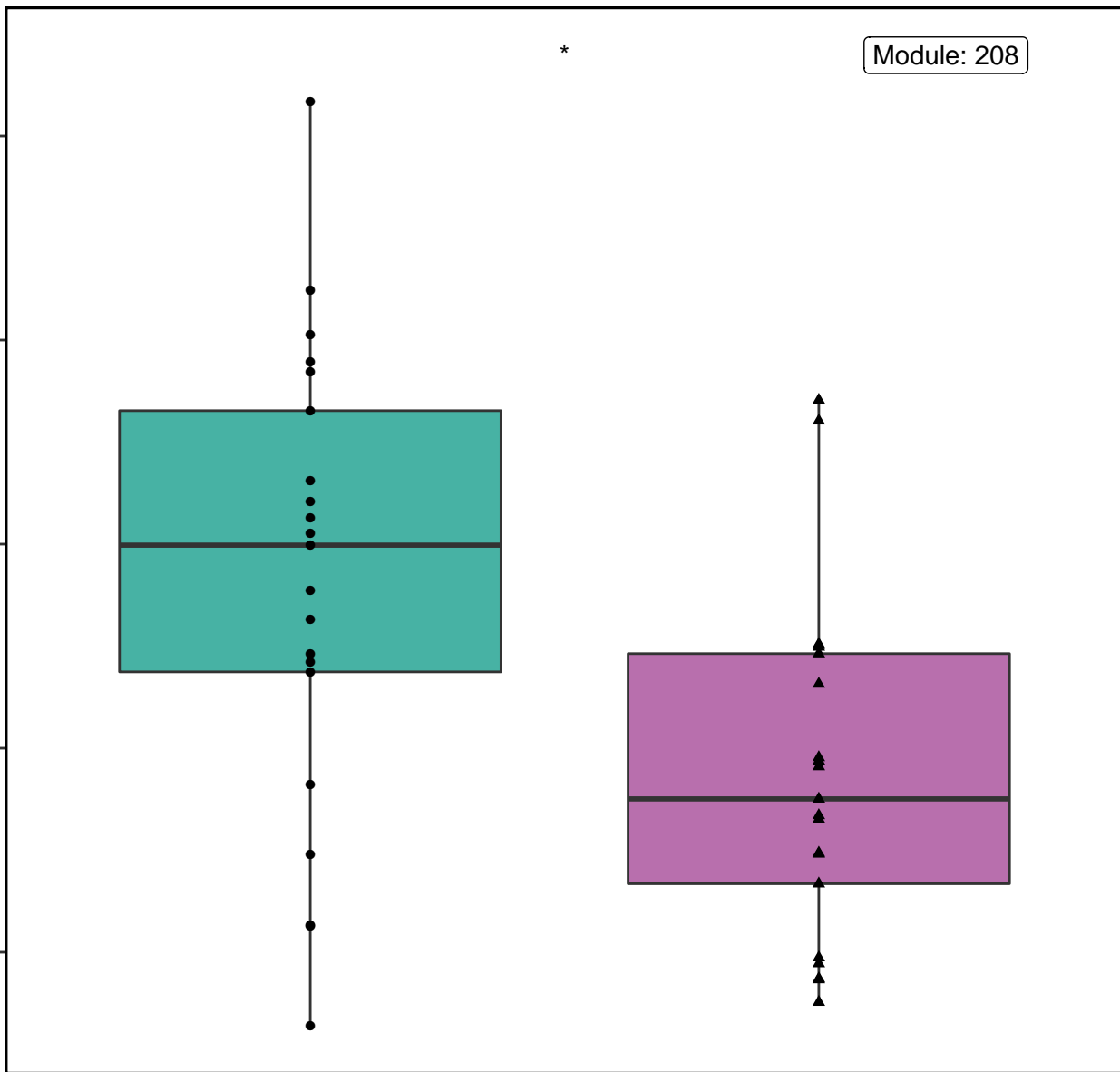
8.3

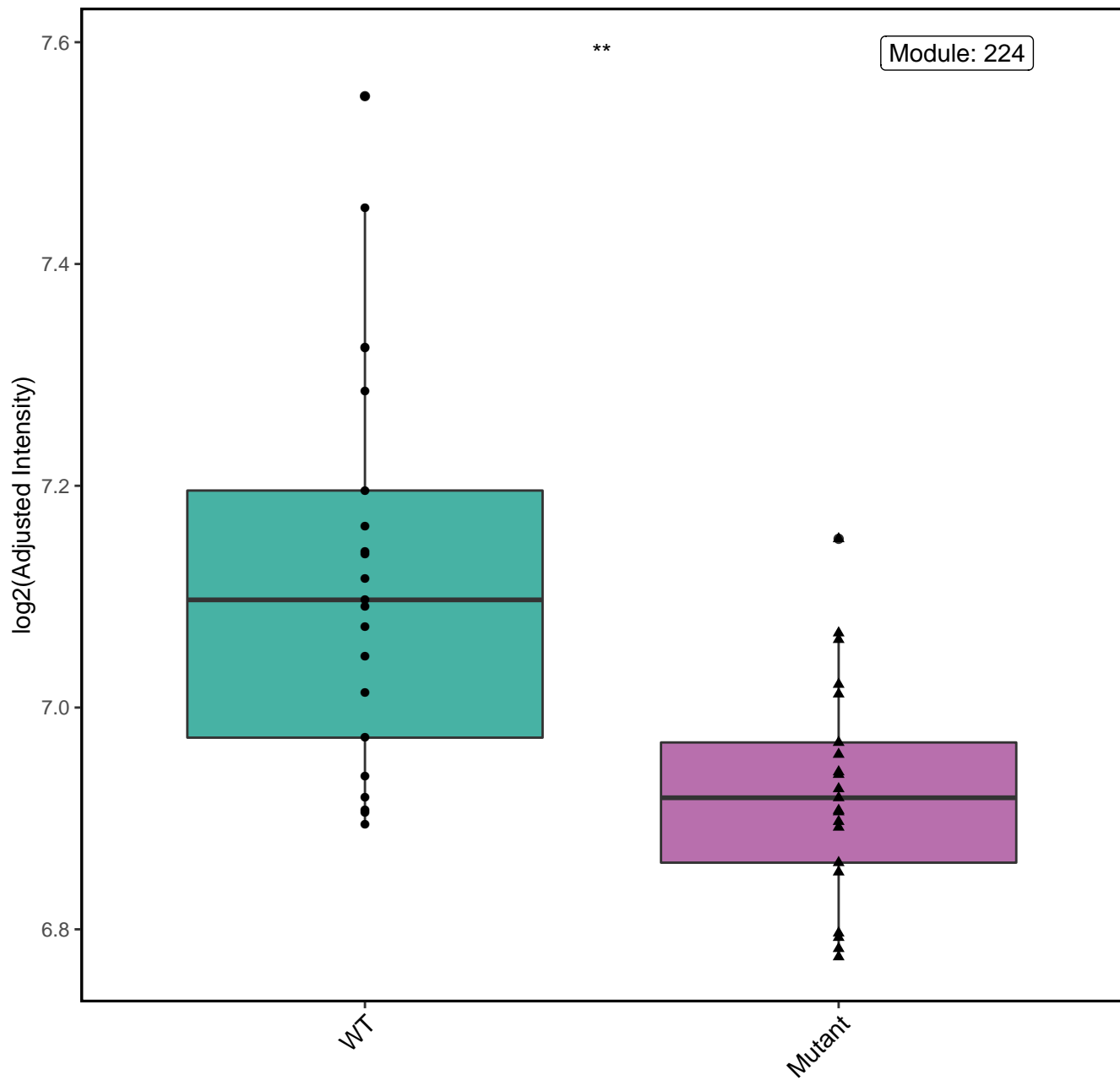
8.2

WT

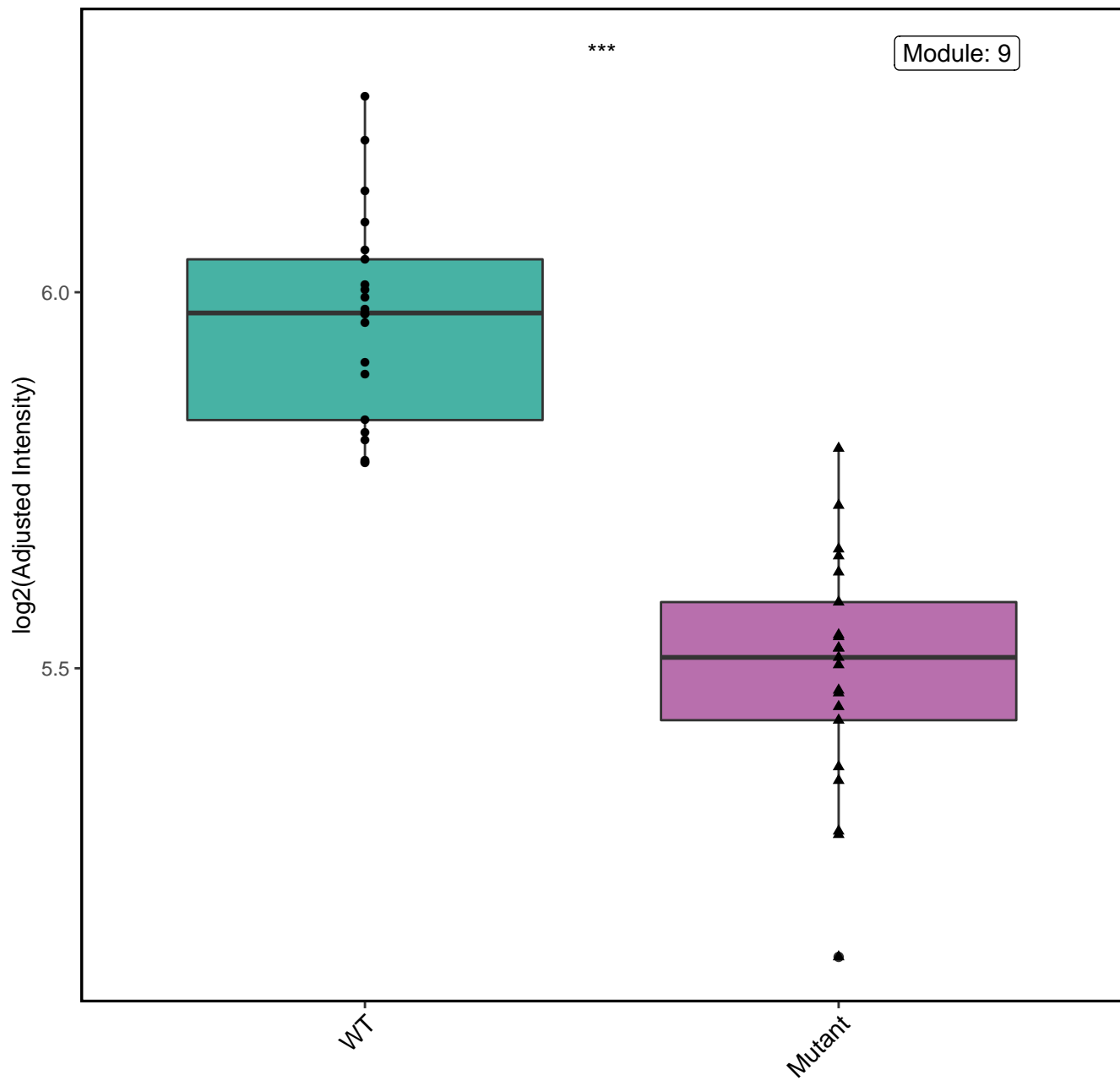
Mutant

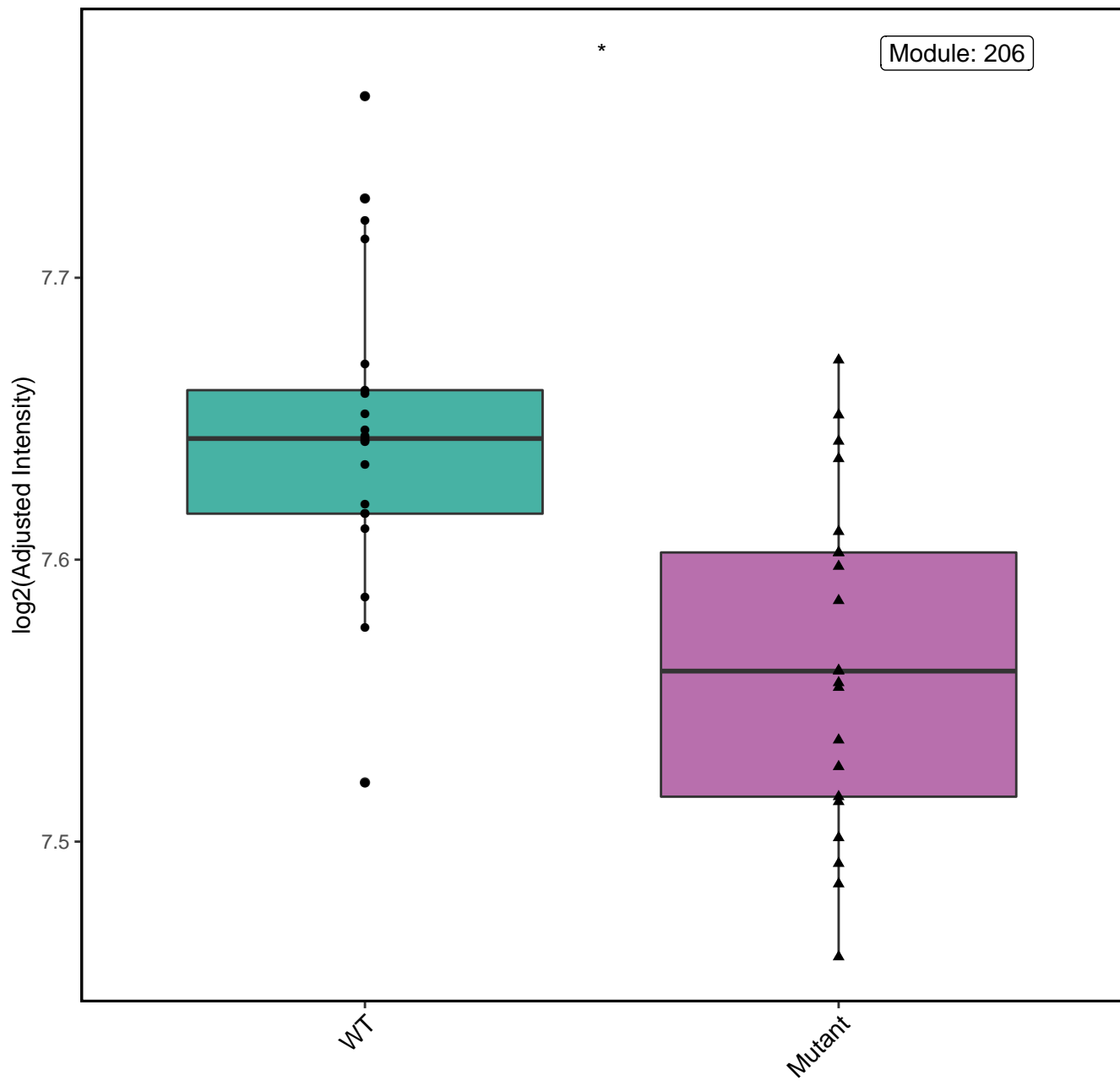
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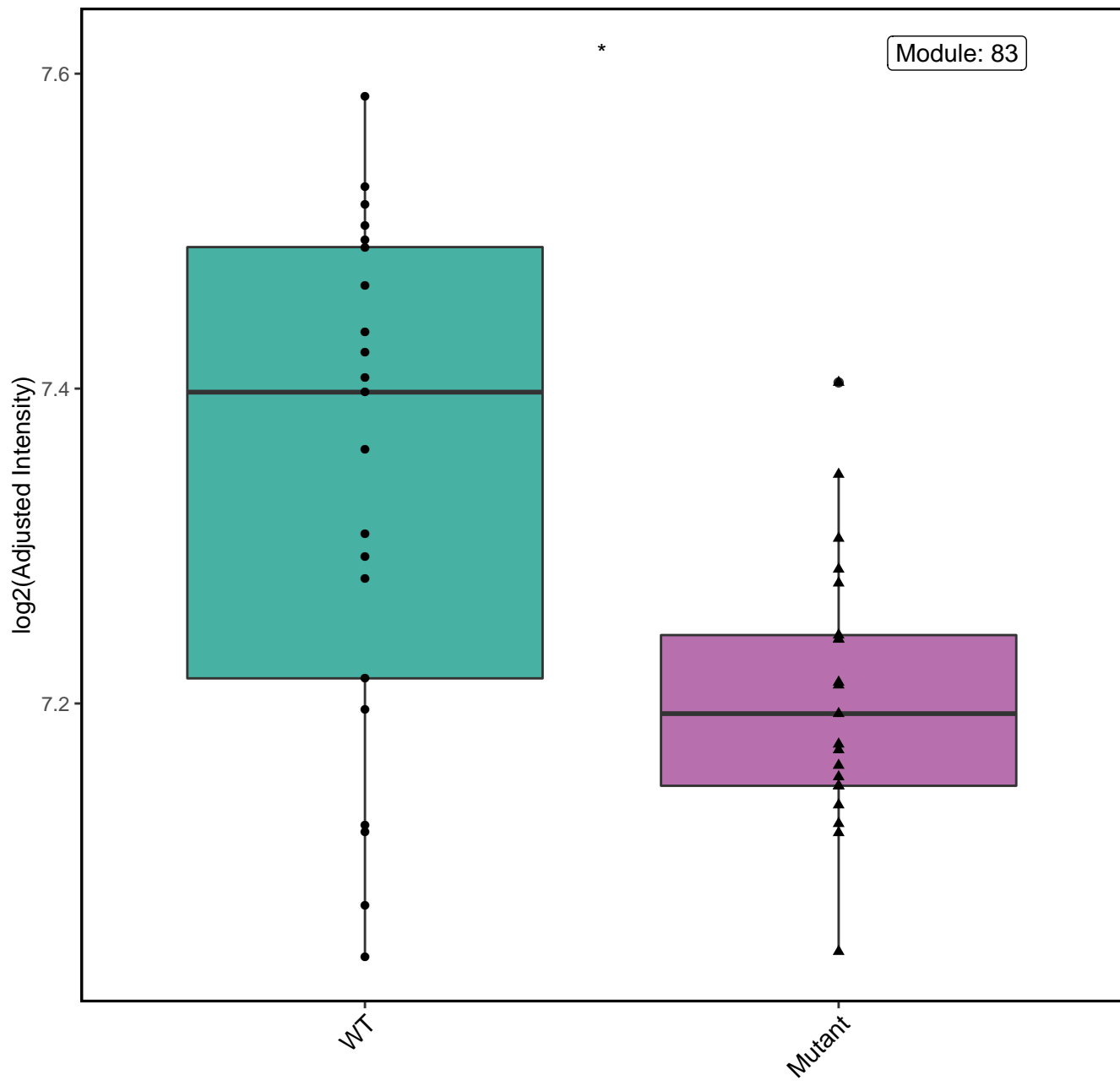


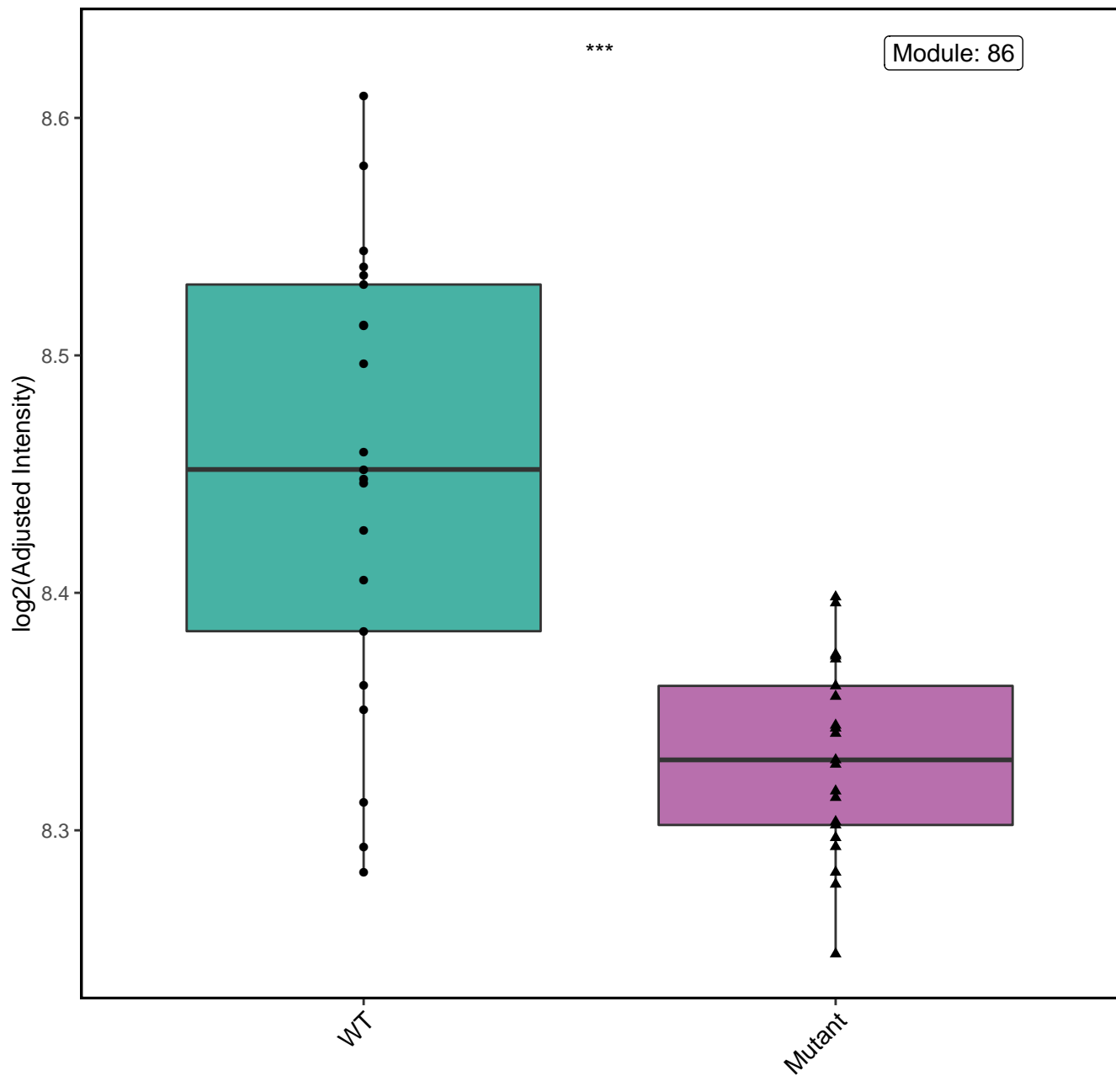


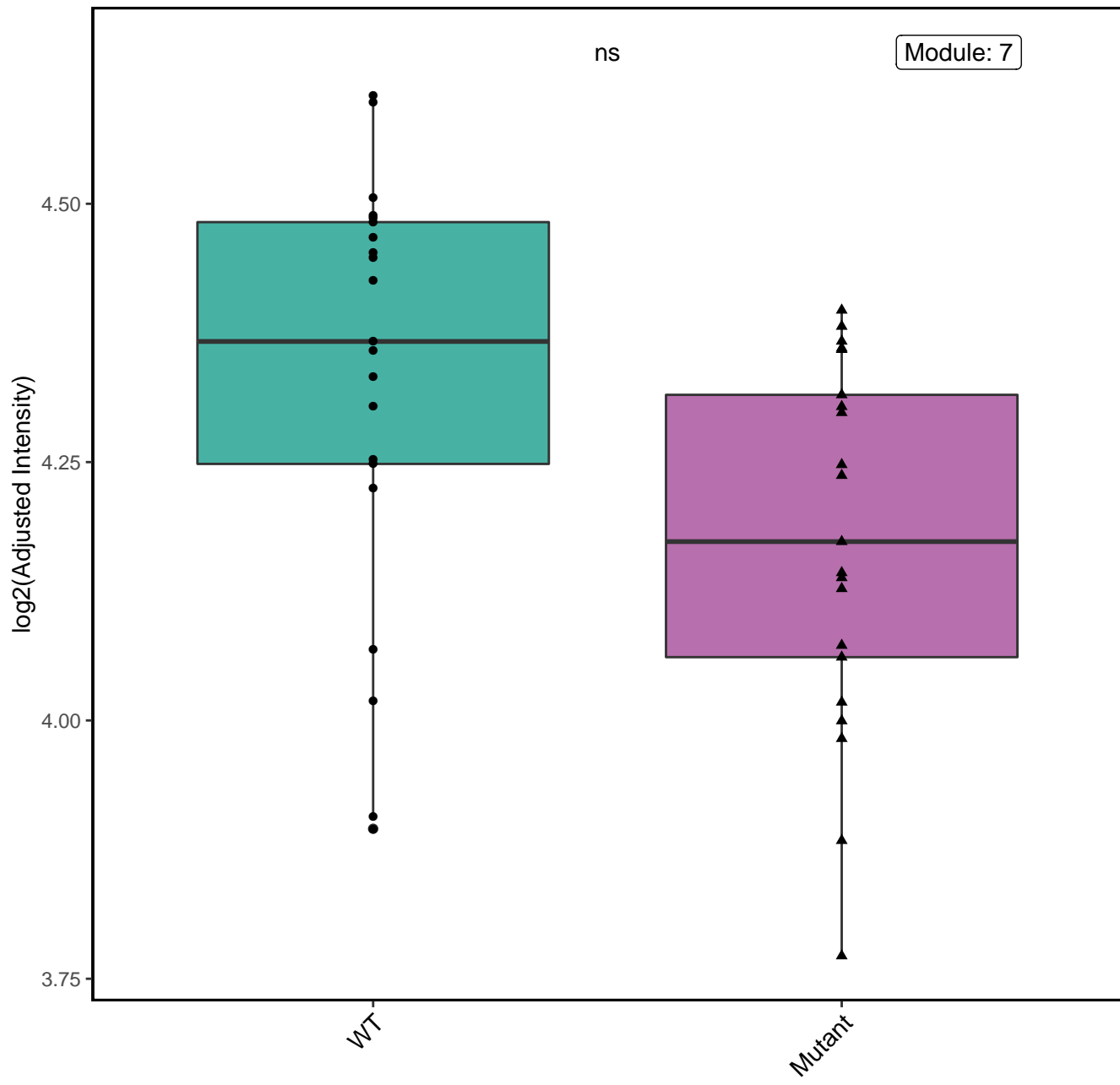


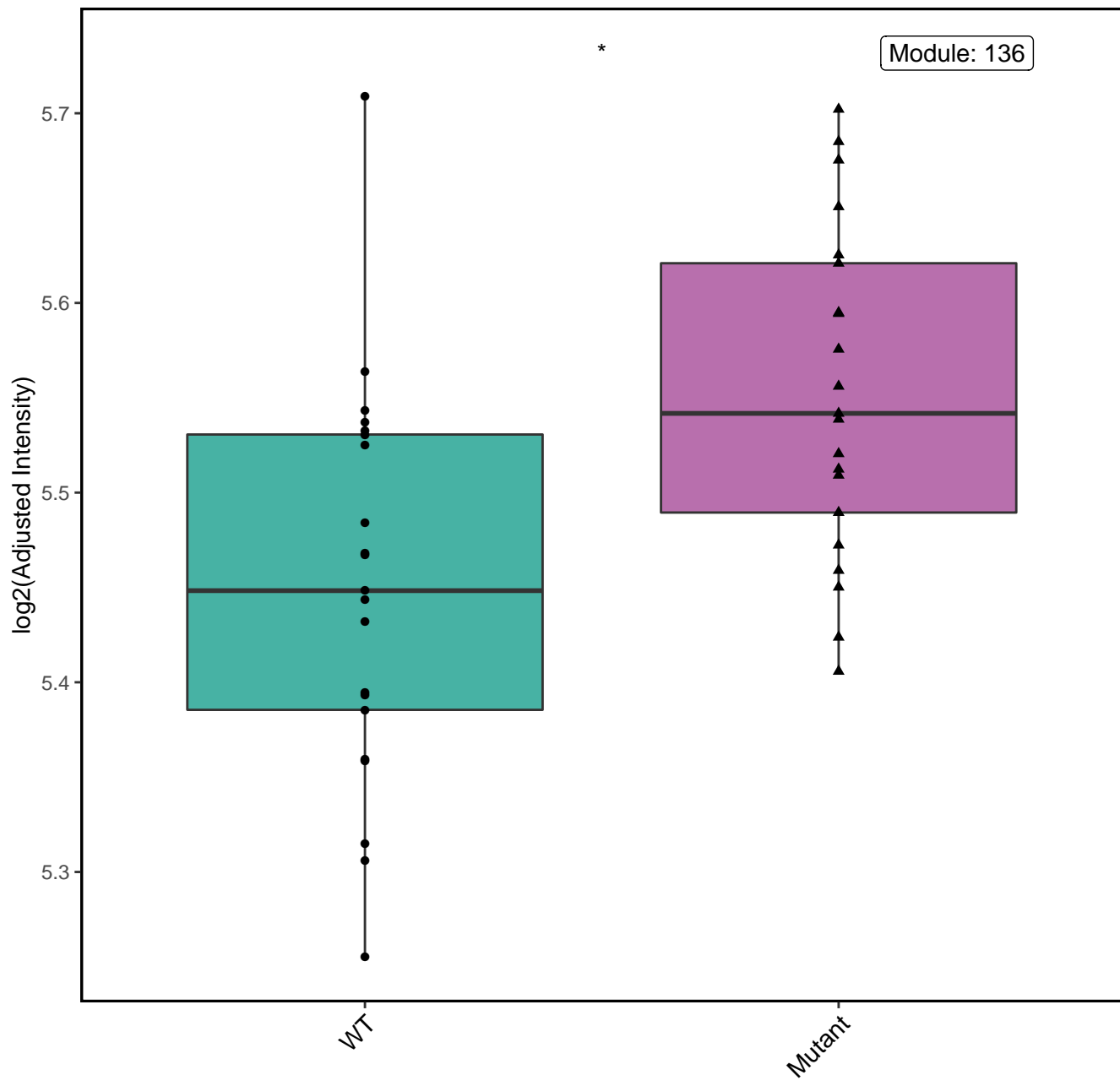


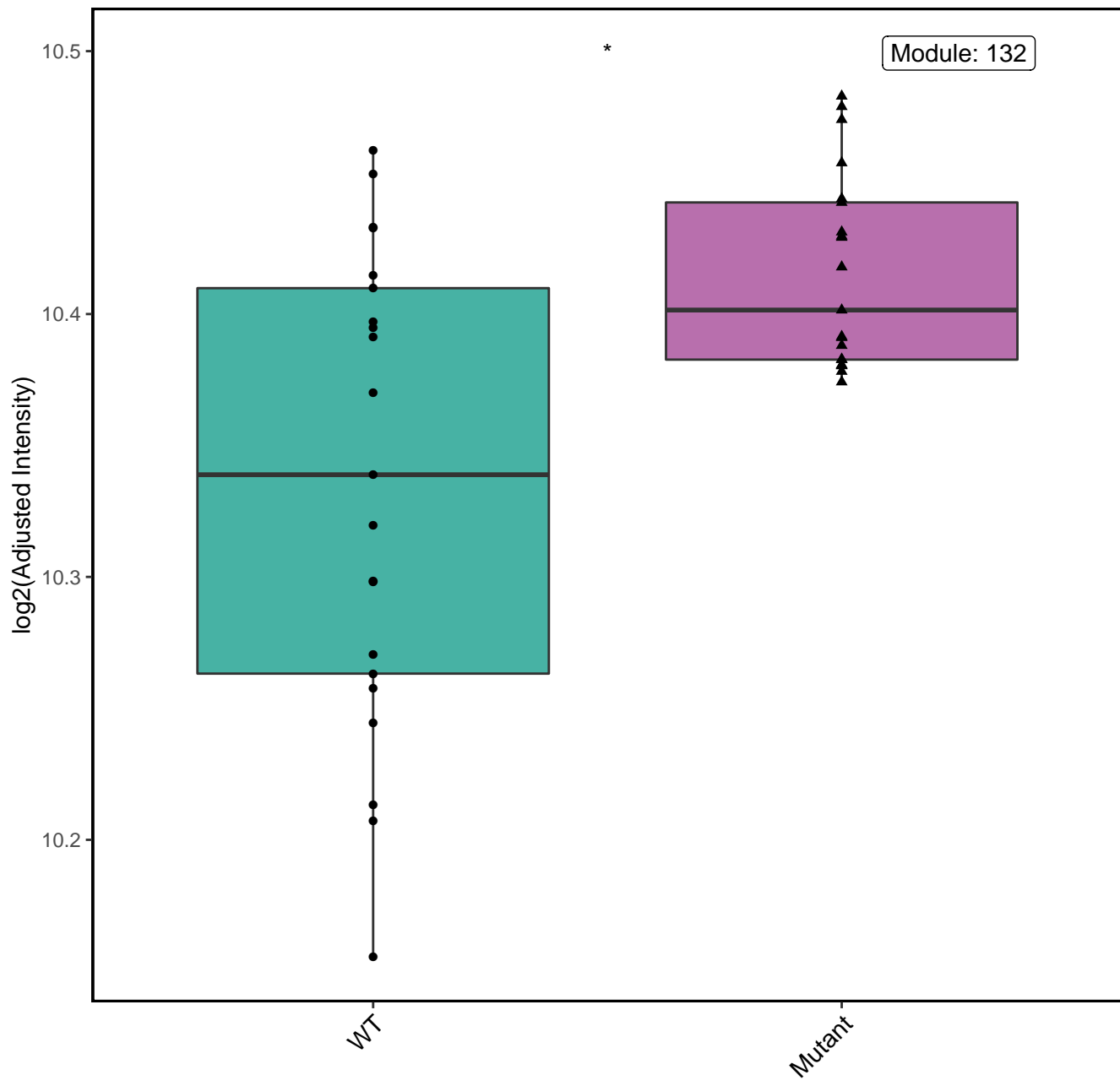


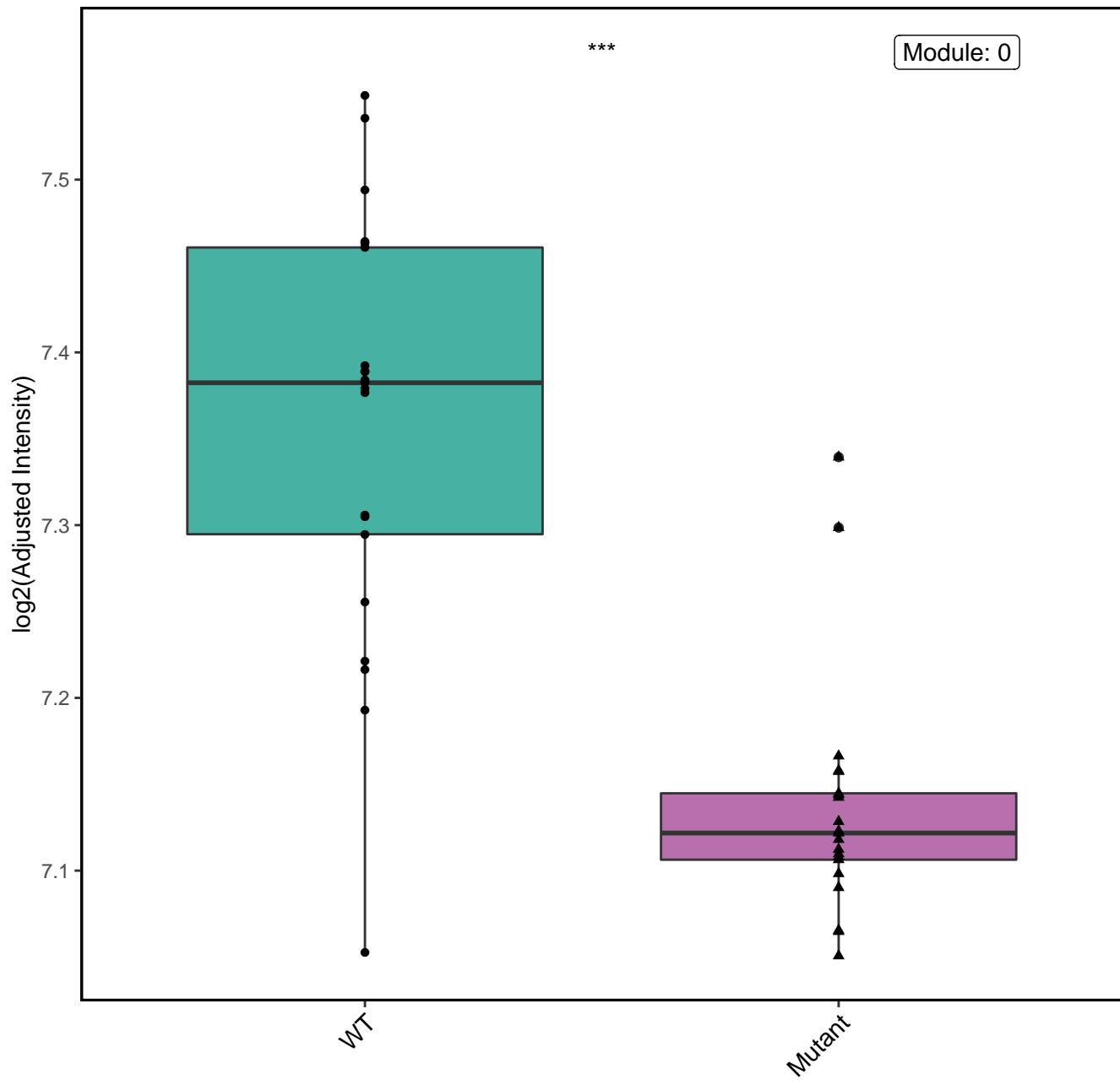




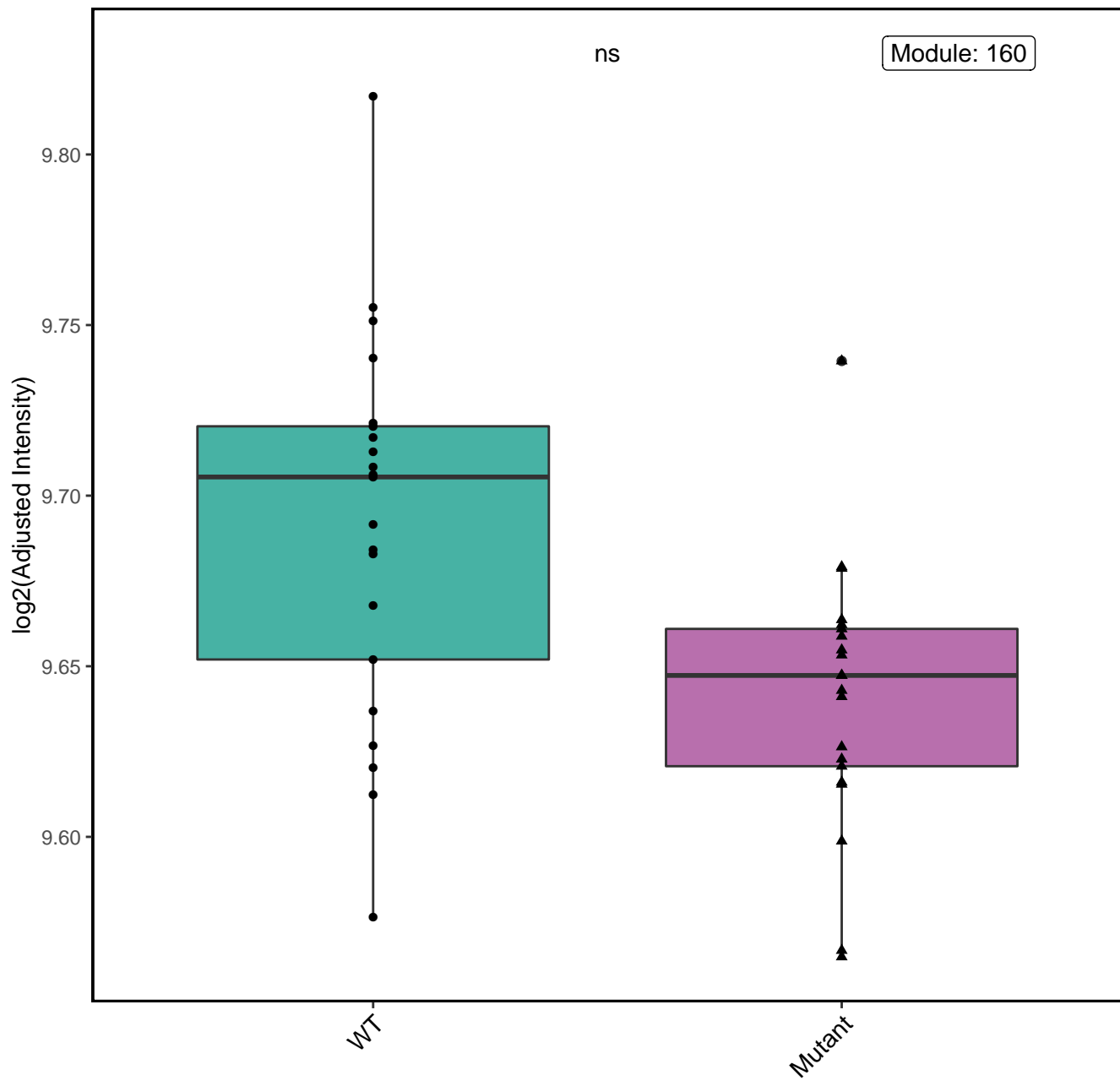










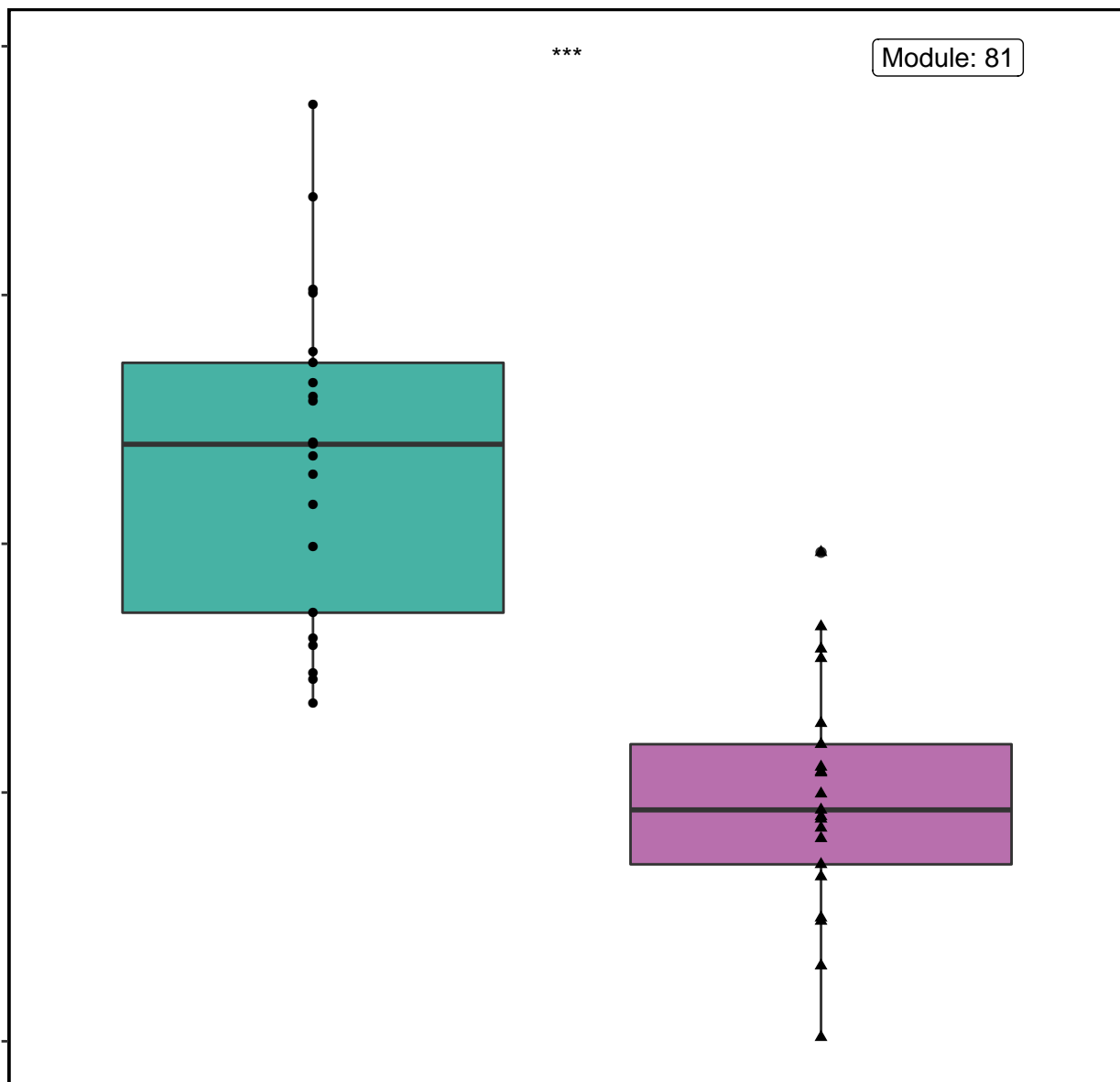


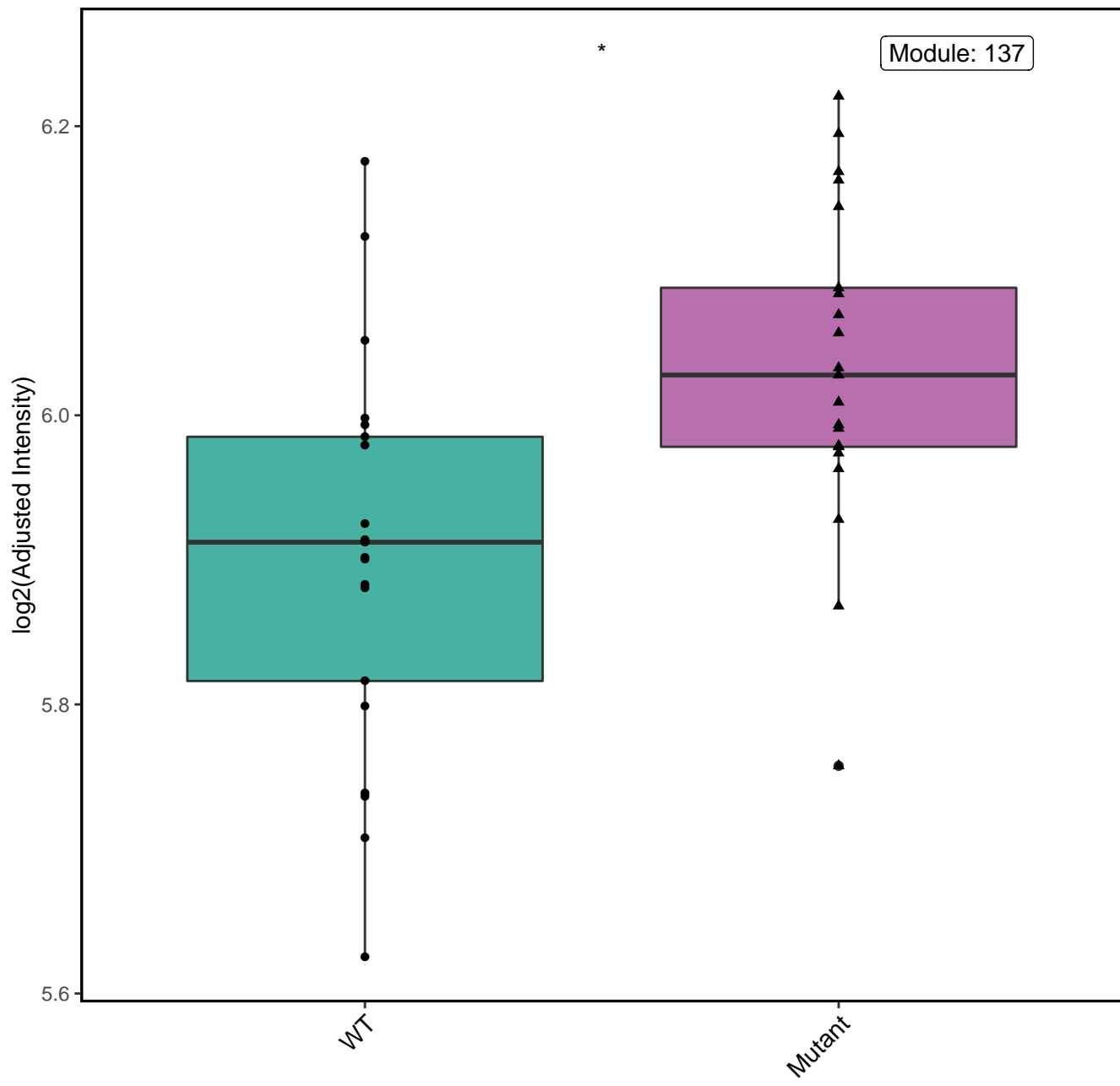
log2(Adjusted Intensity)

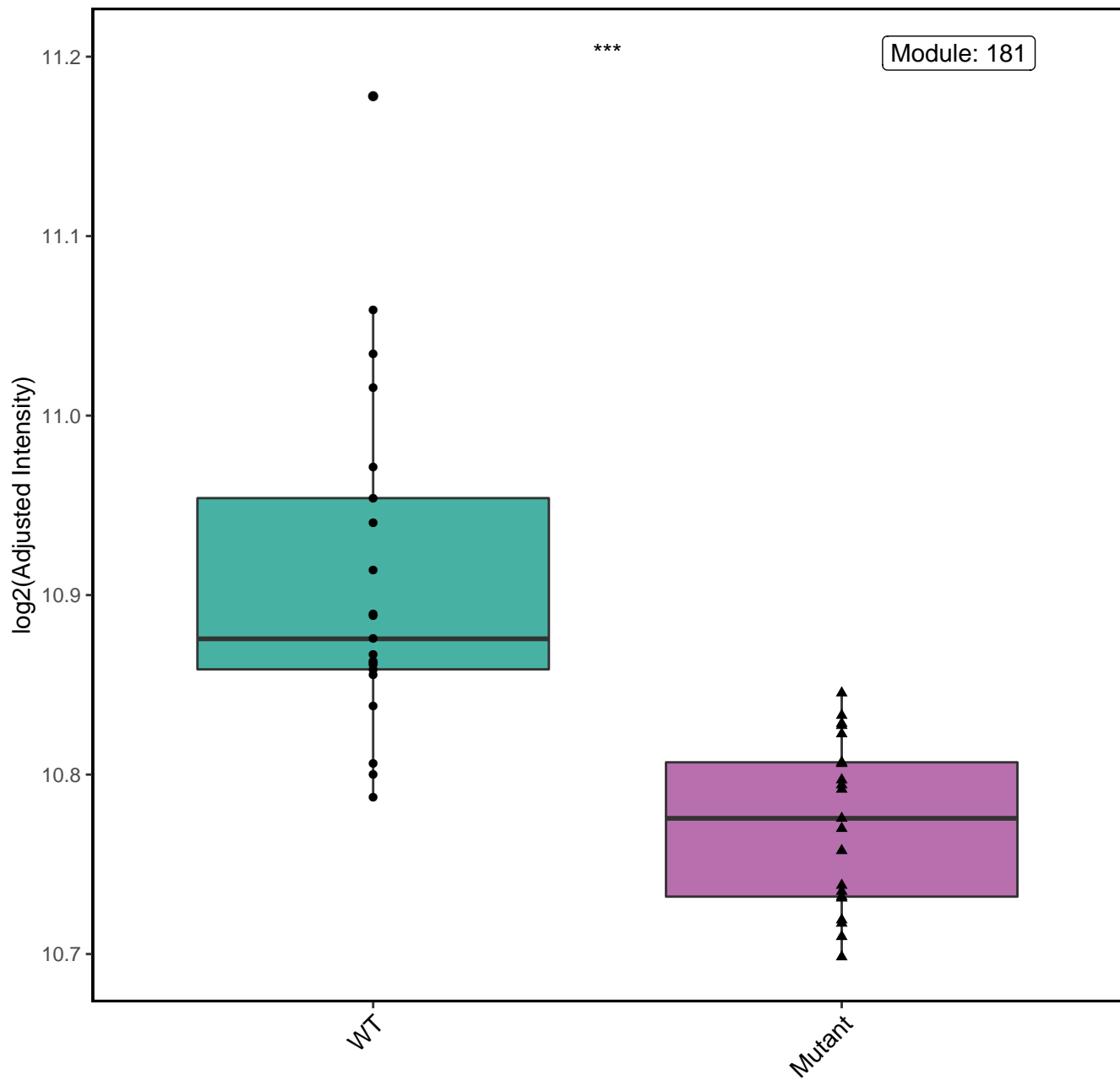
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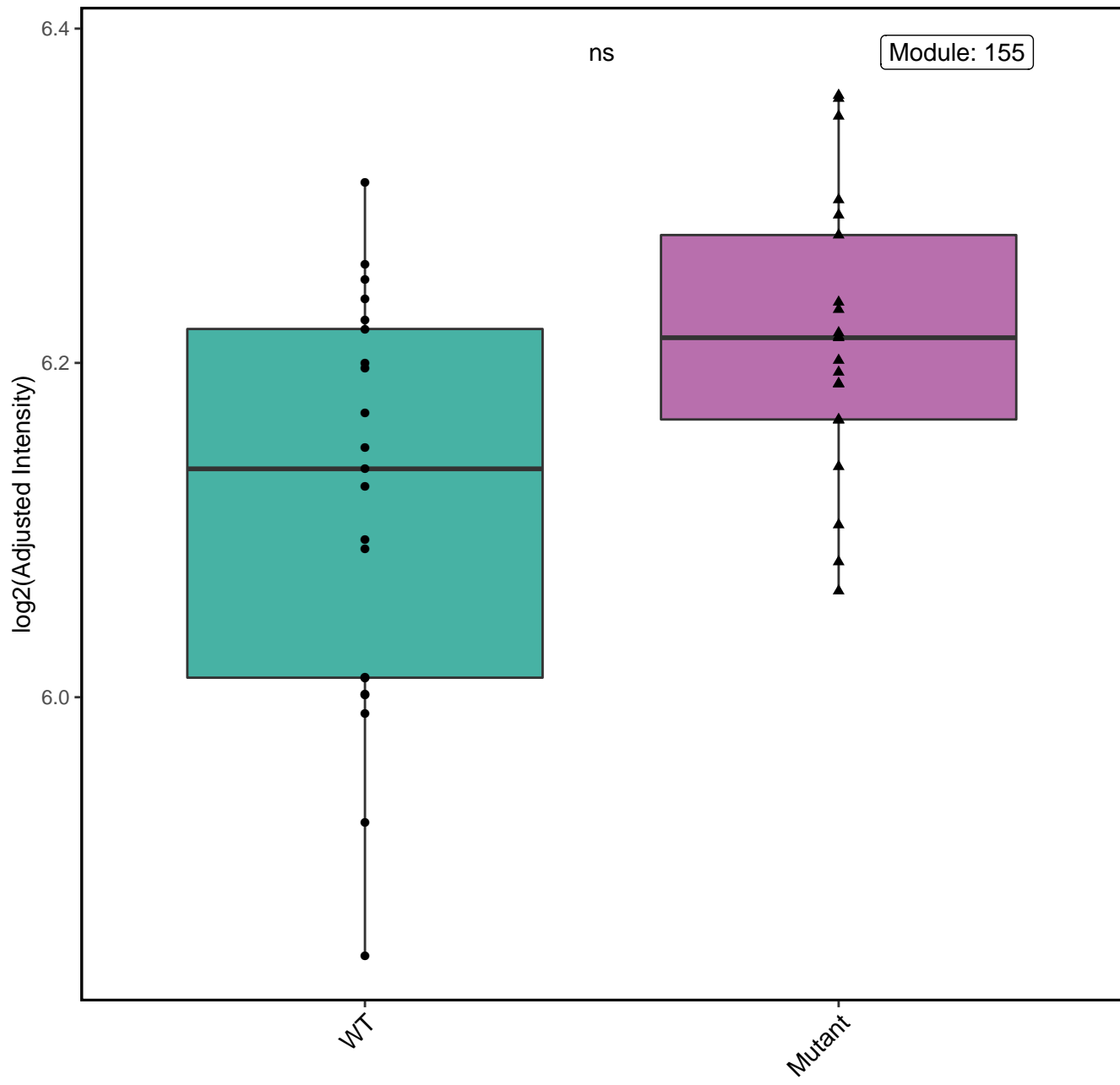
WT

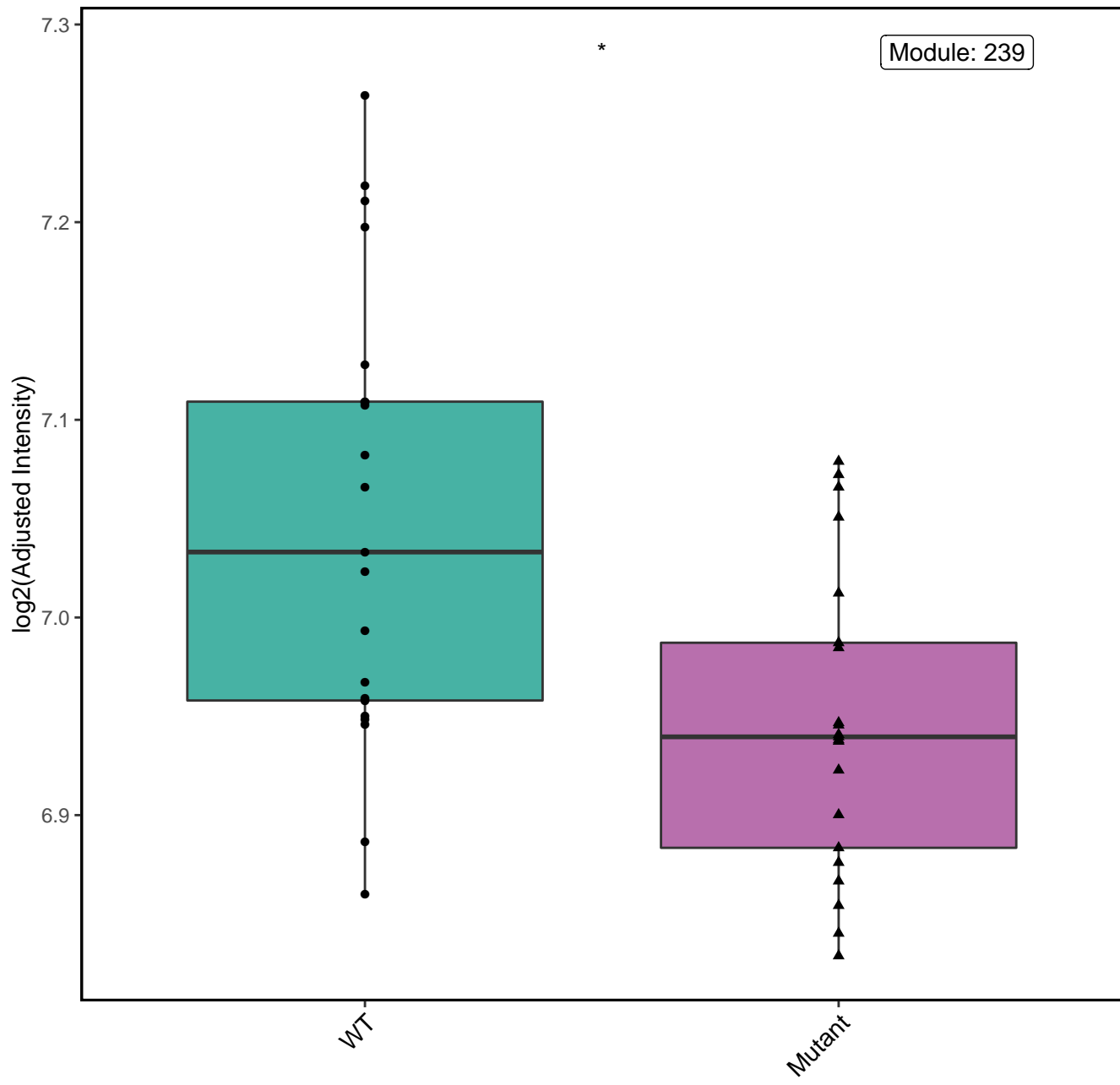
Mutant

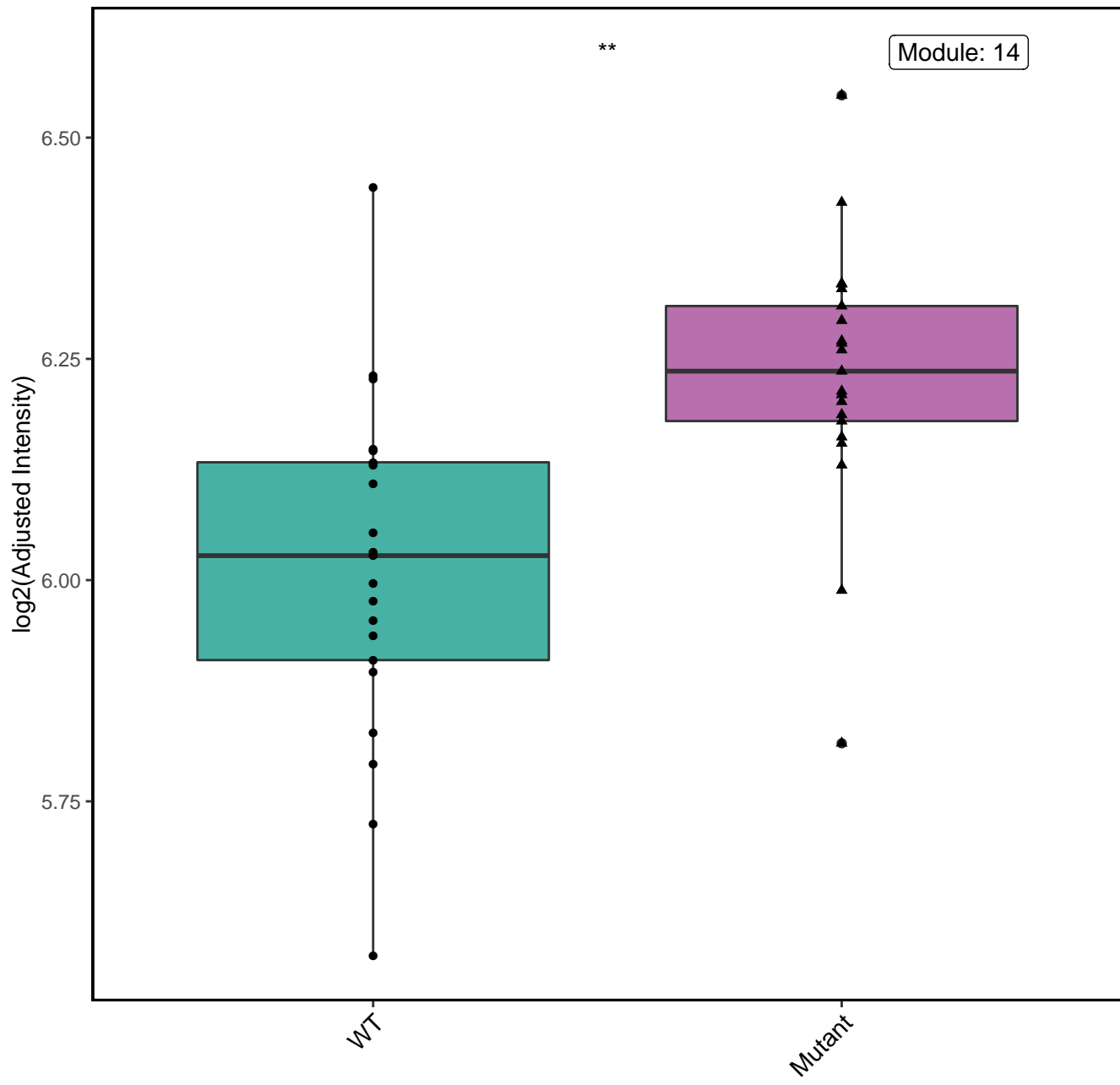


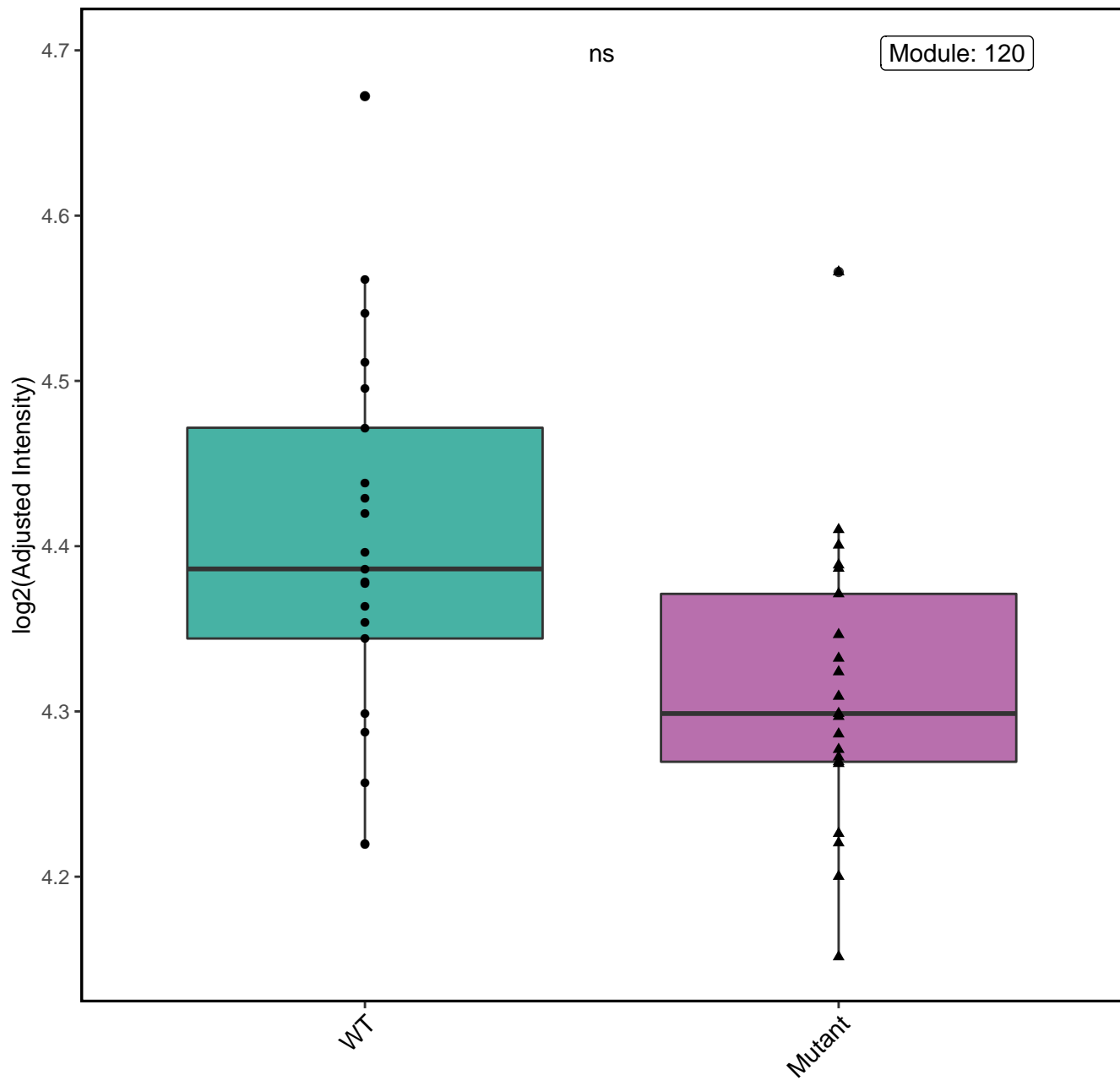




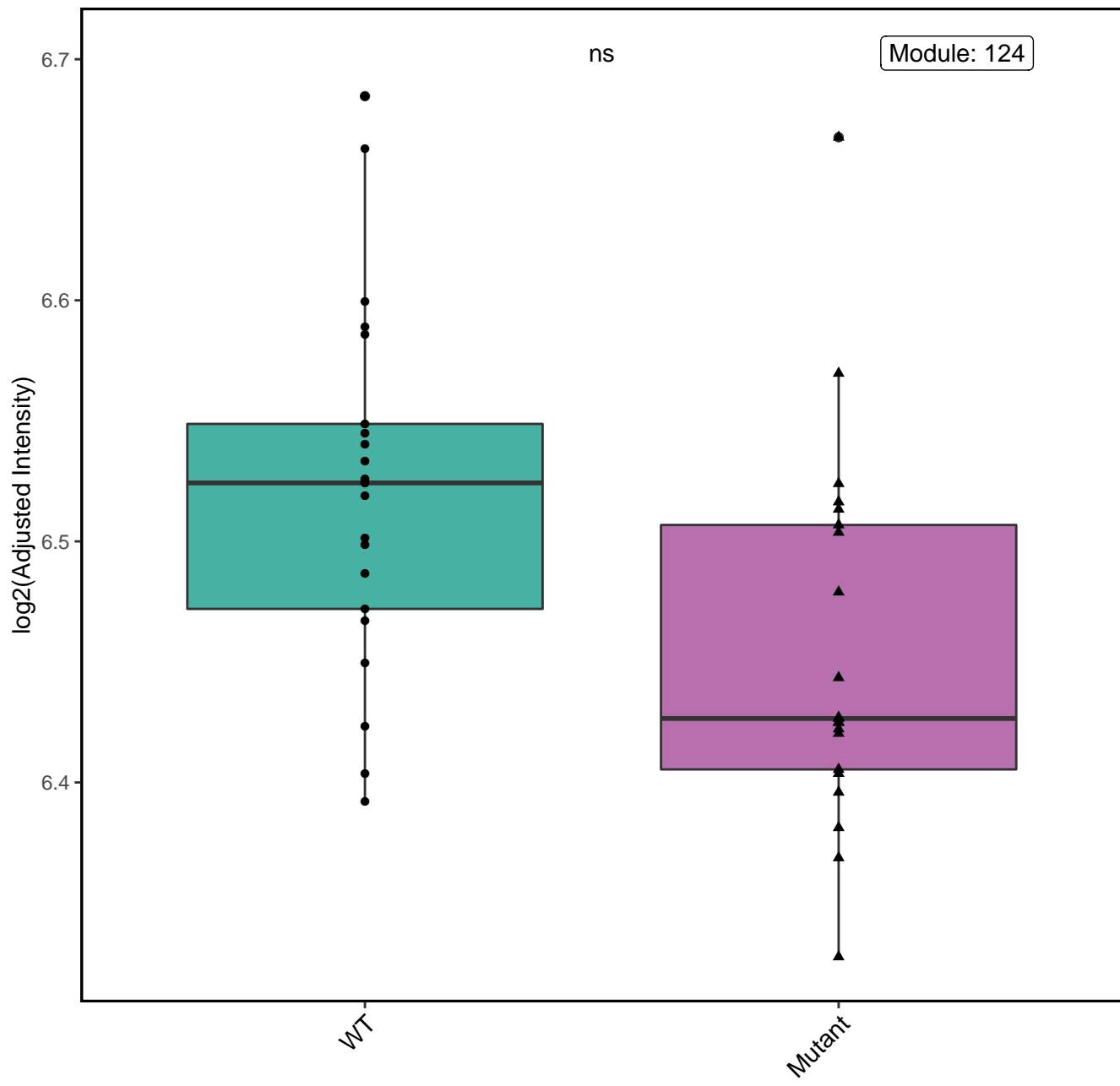


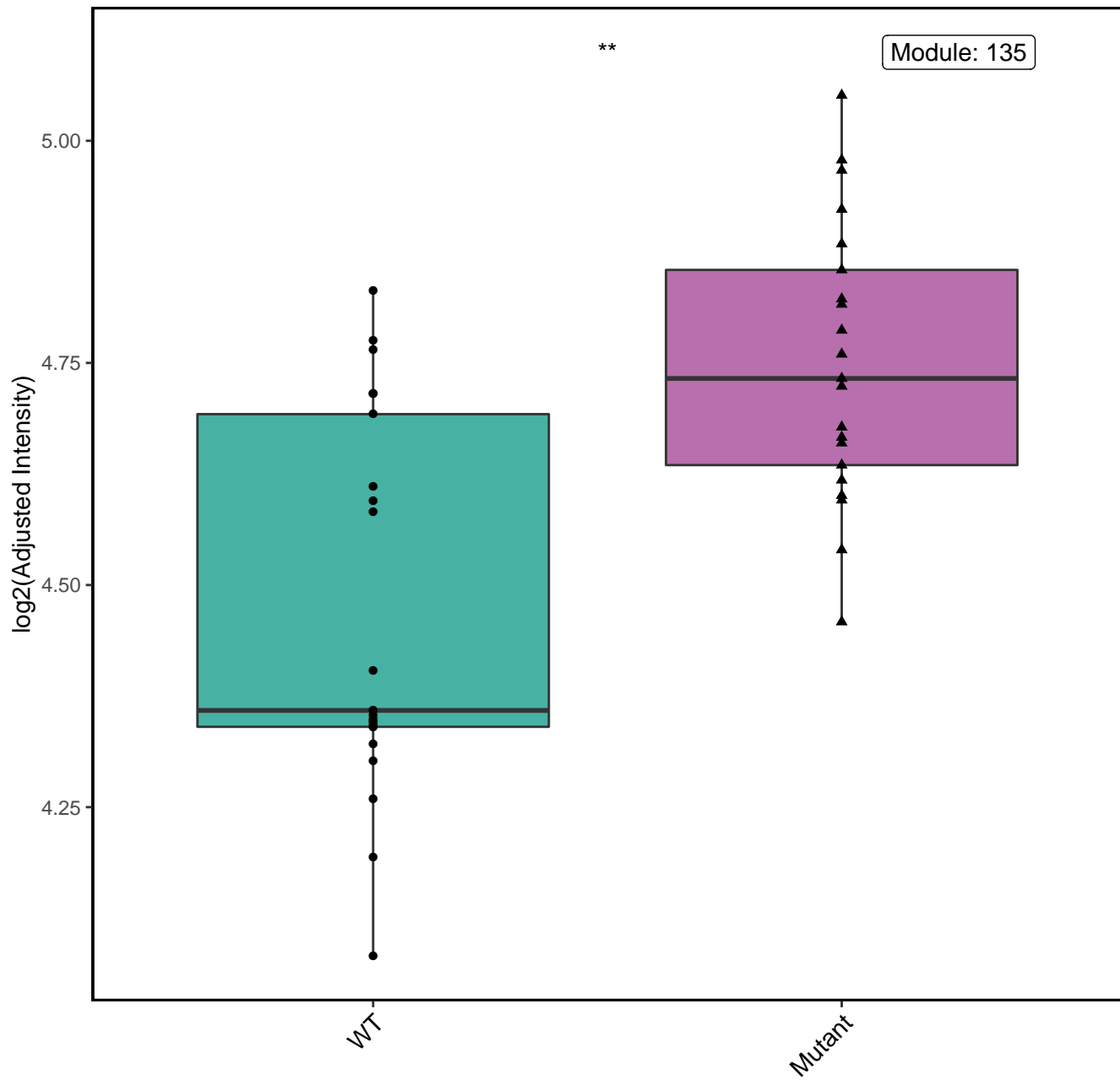


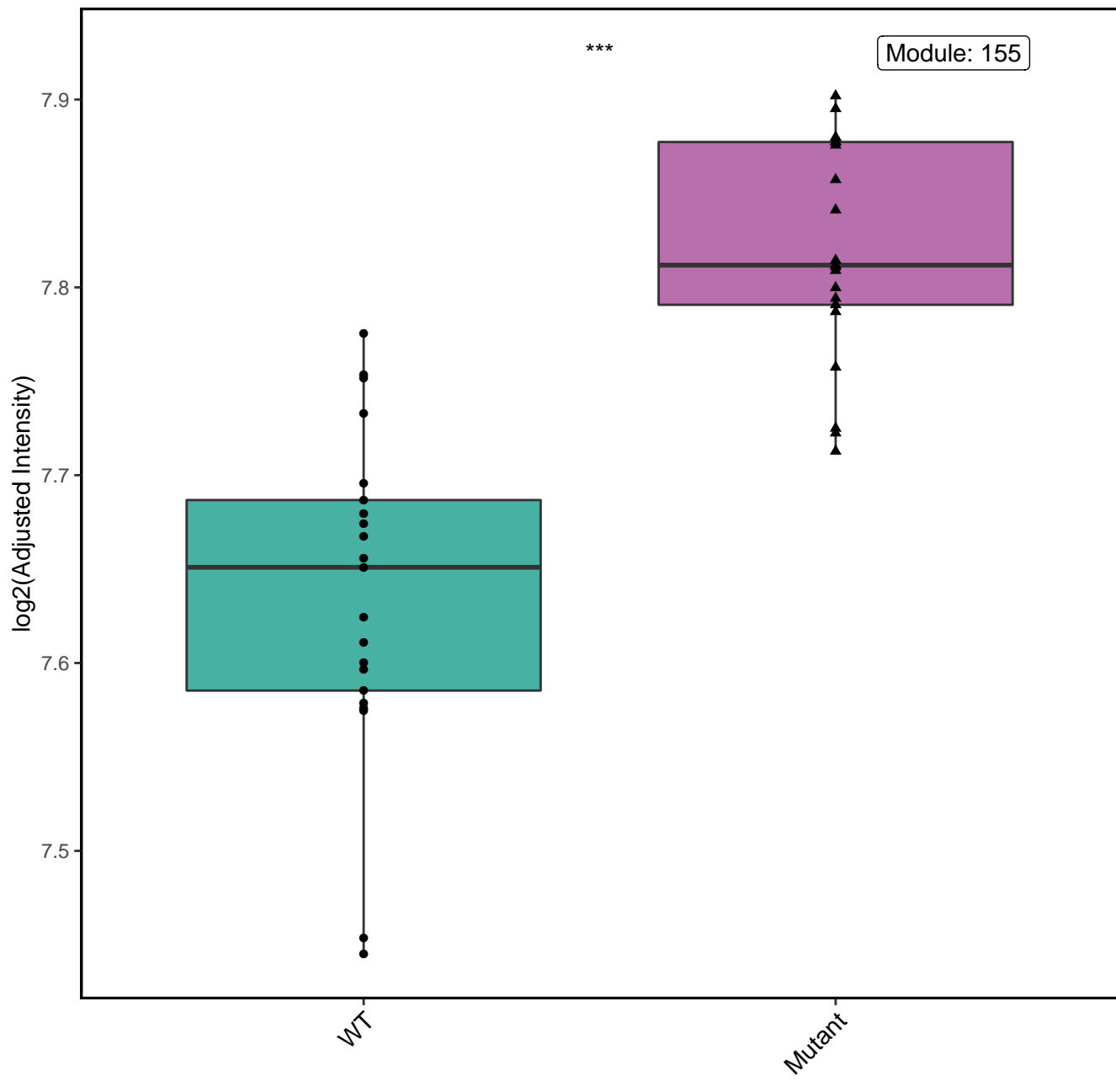


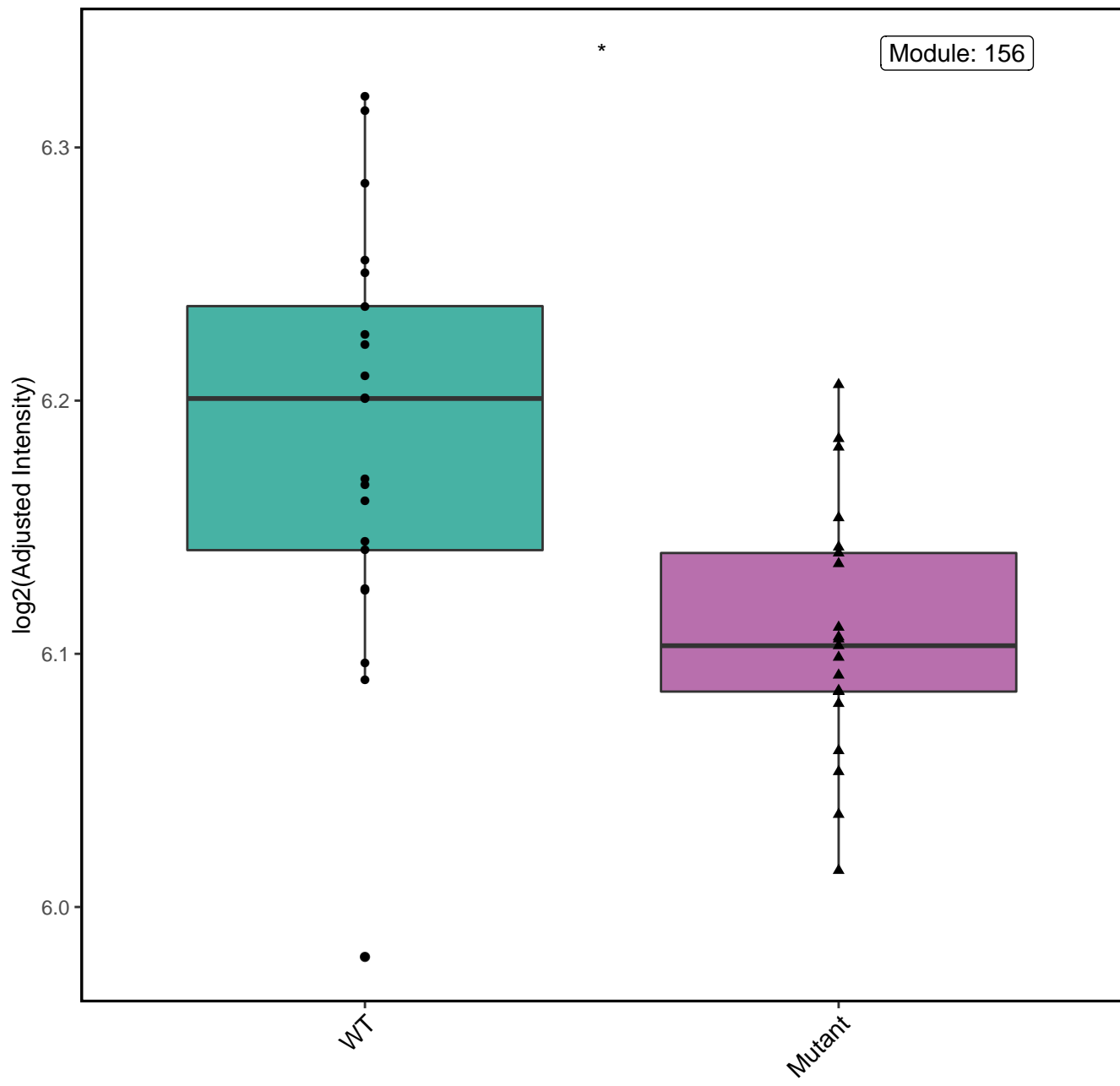












log2(Adjusted Intensity)

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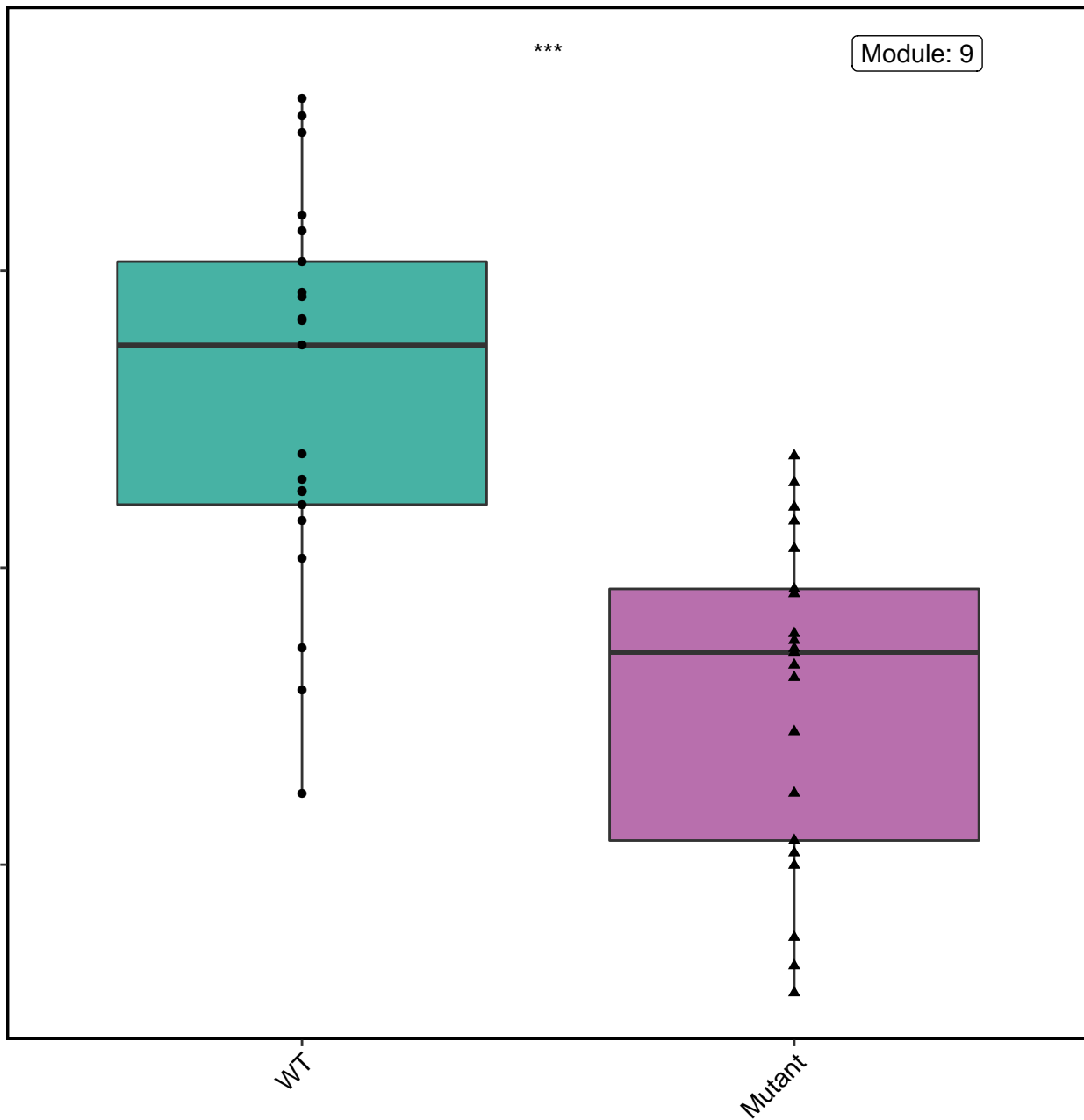
WT

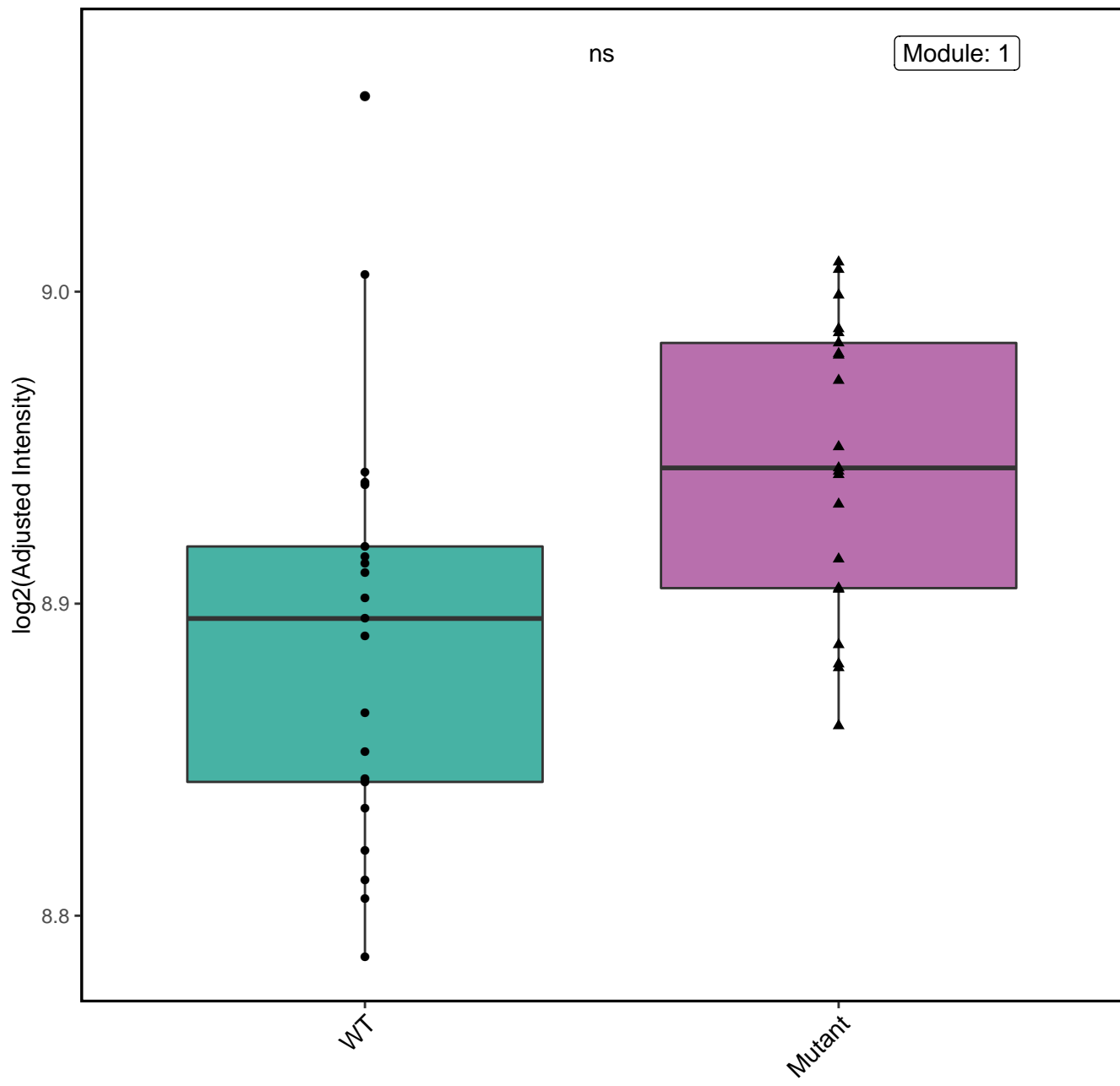
Mutant

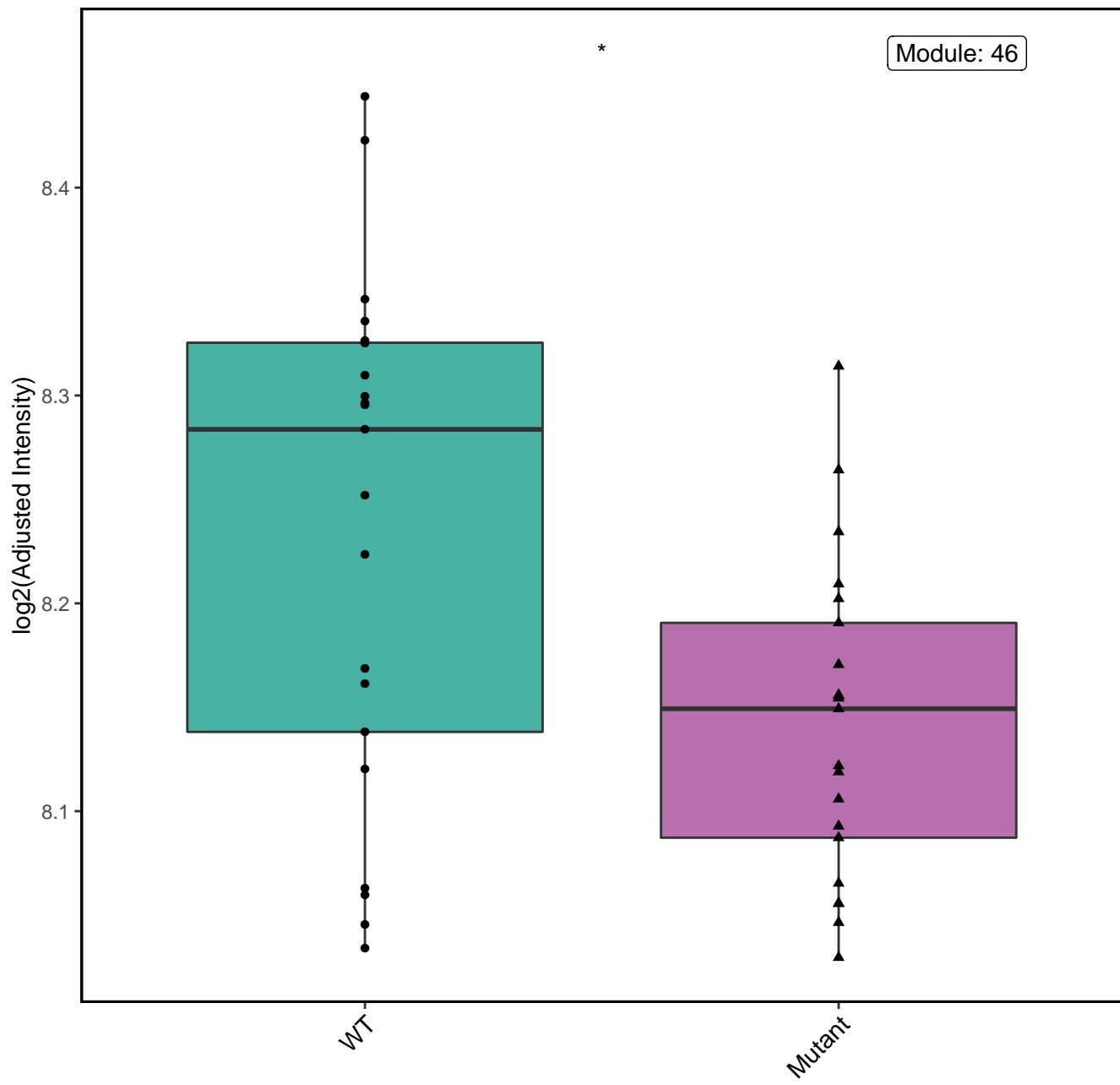
6.0

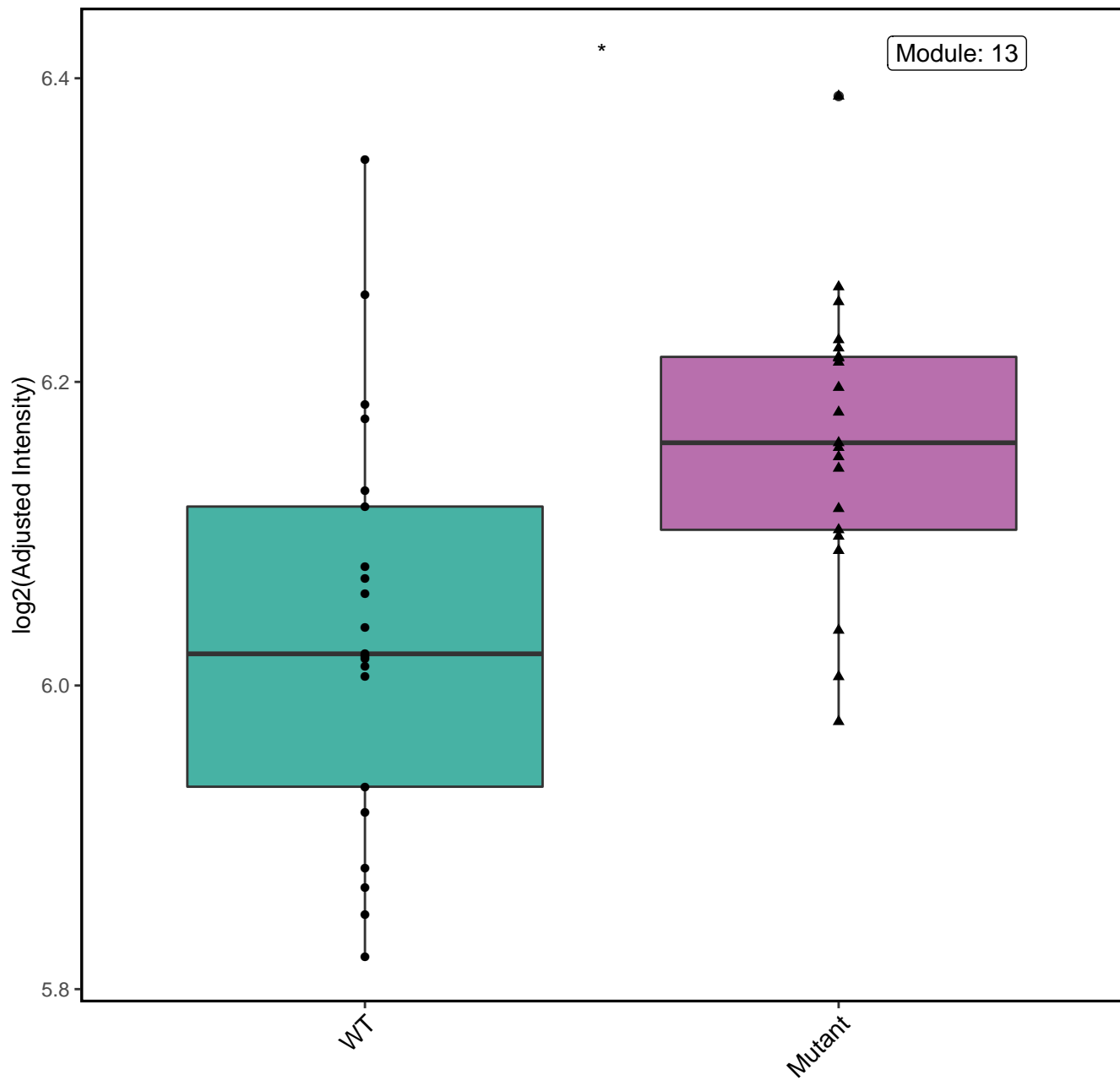
5.8

5.6

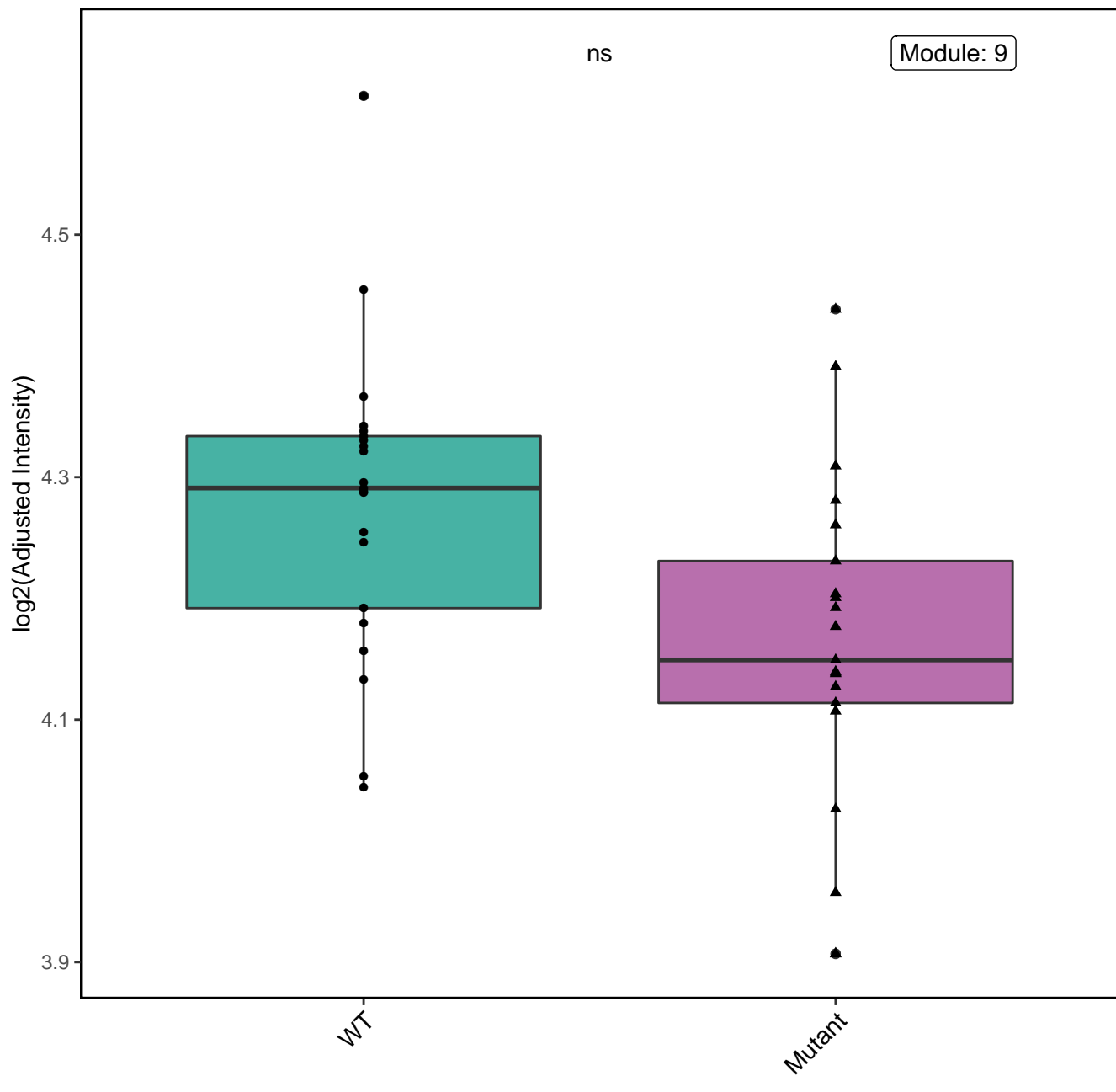


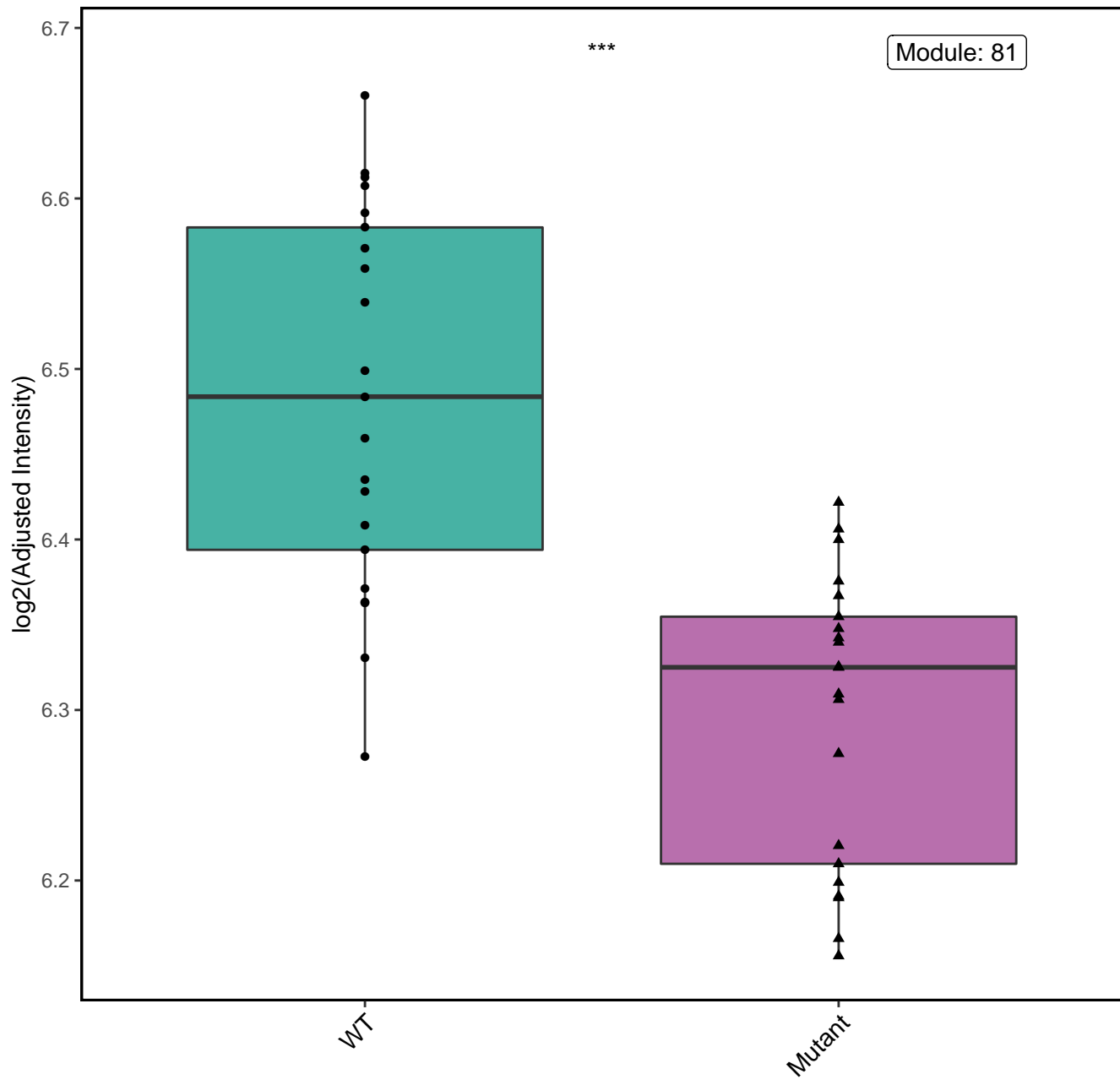










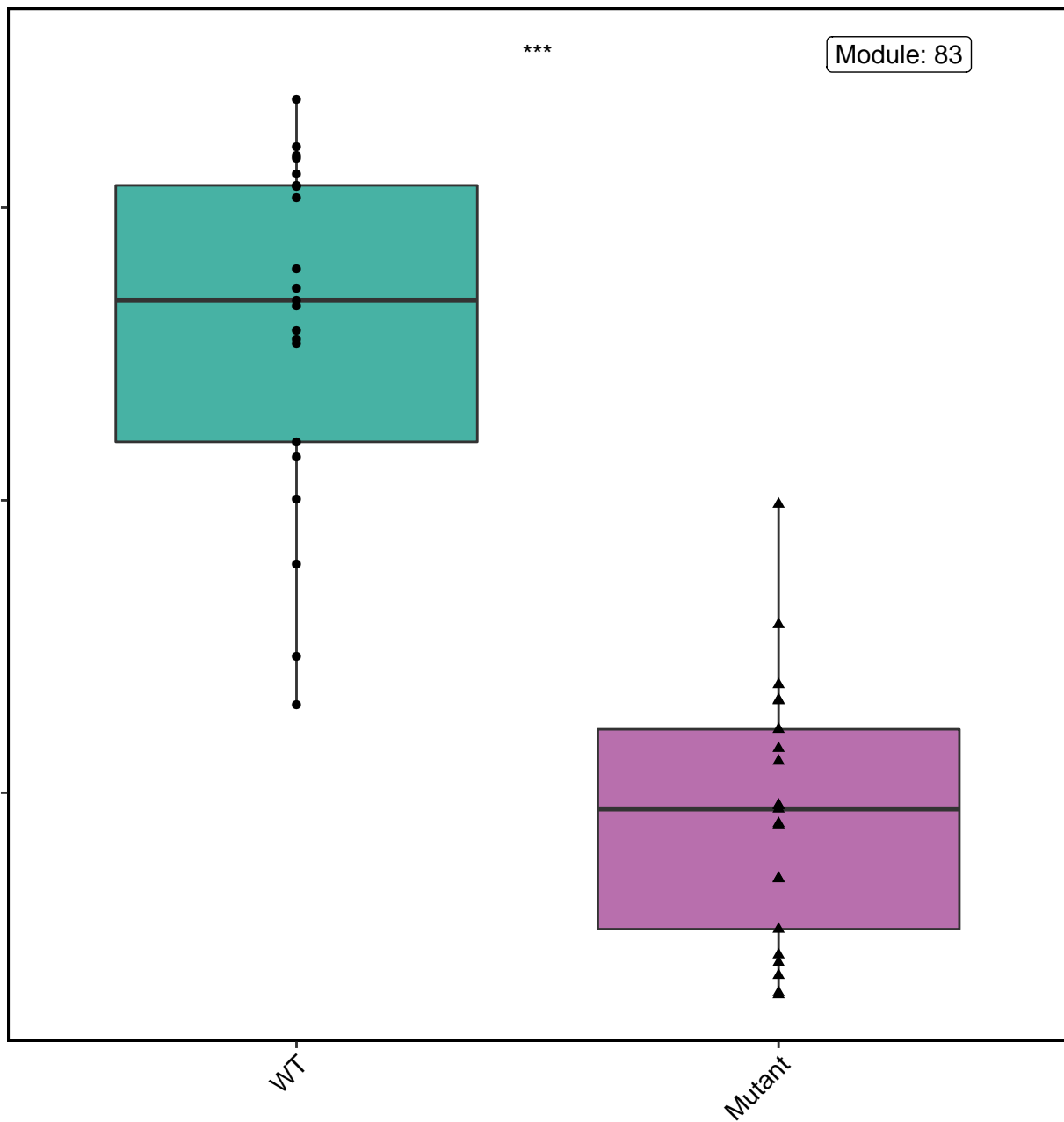


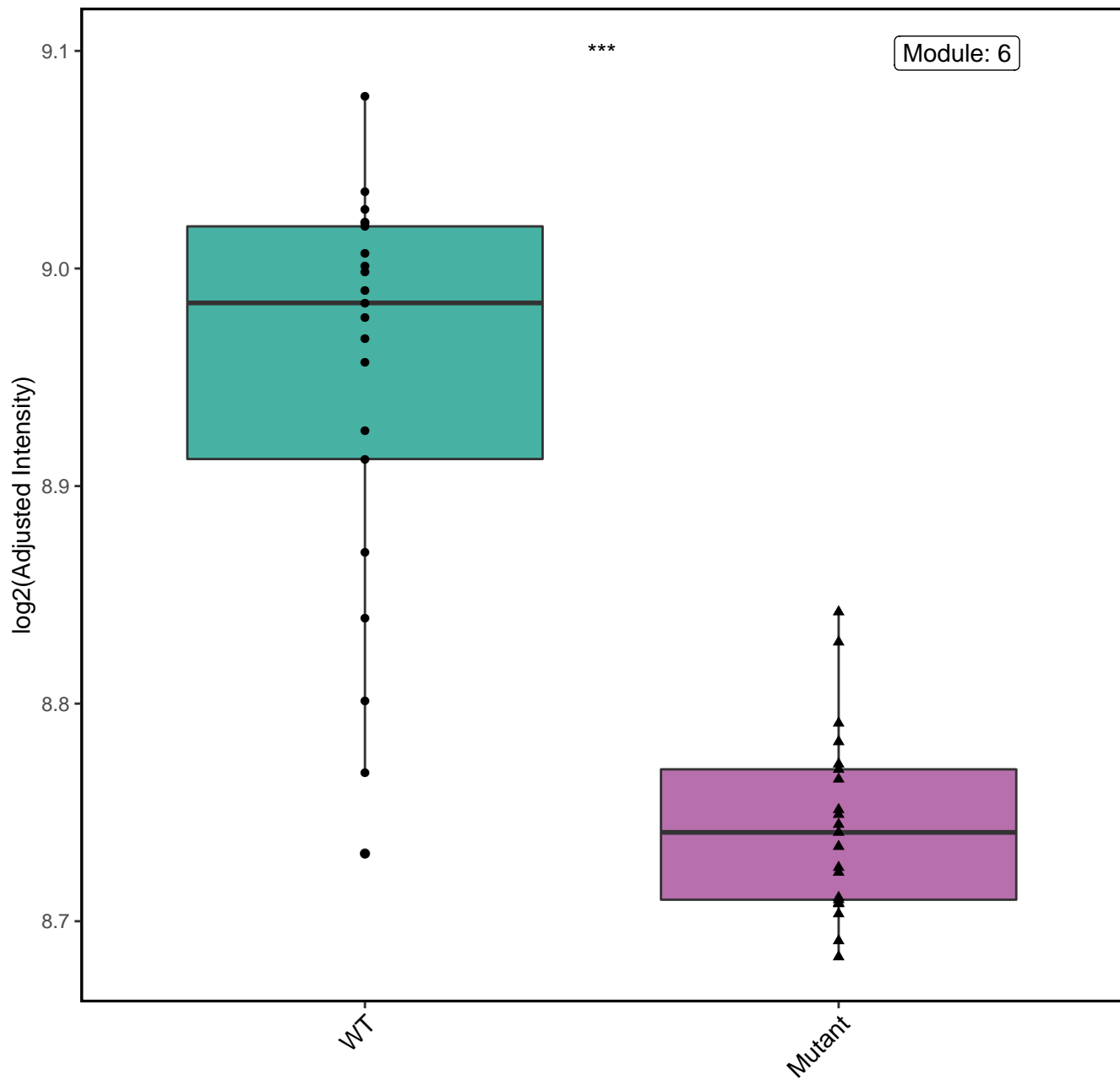
log2(Adjusted Intensity)

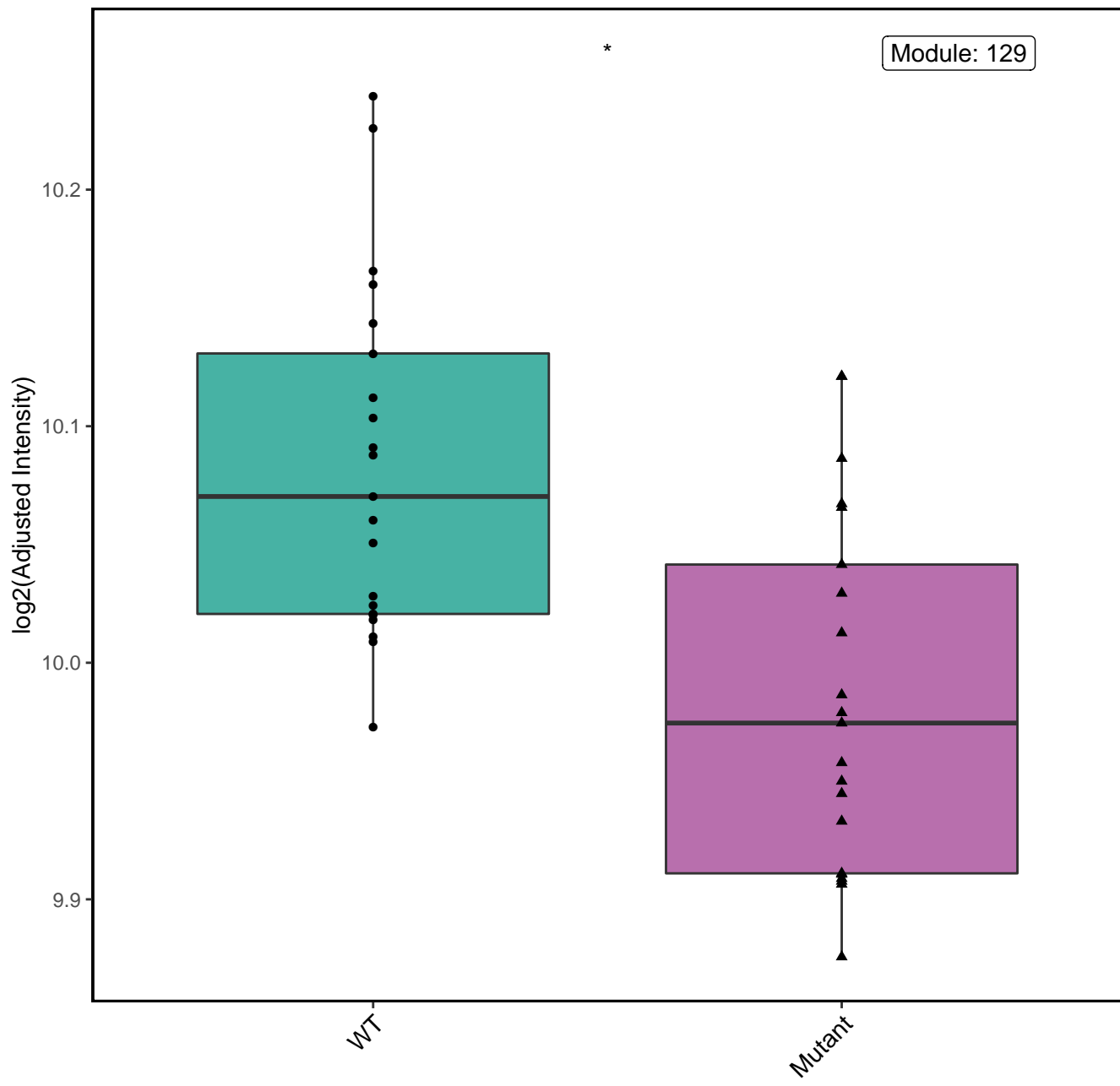
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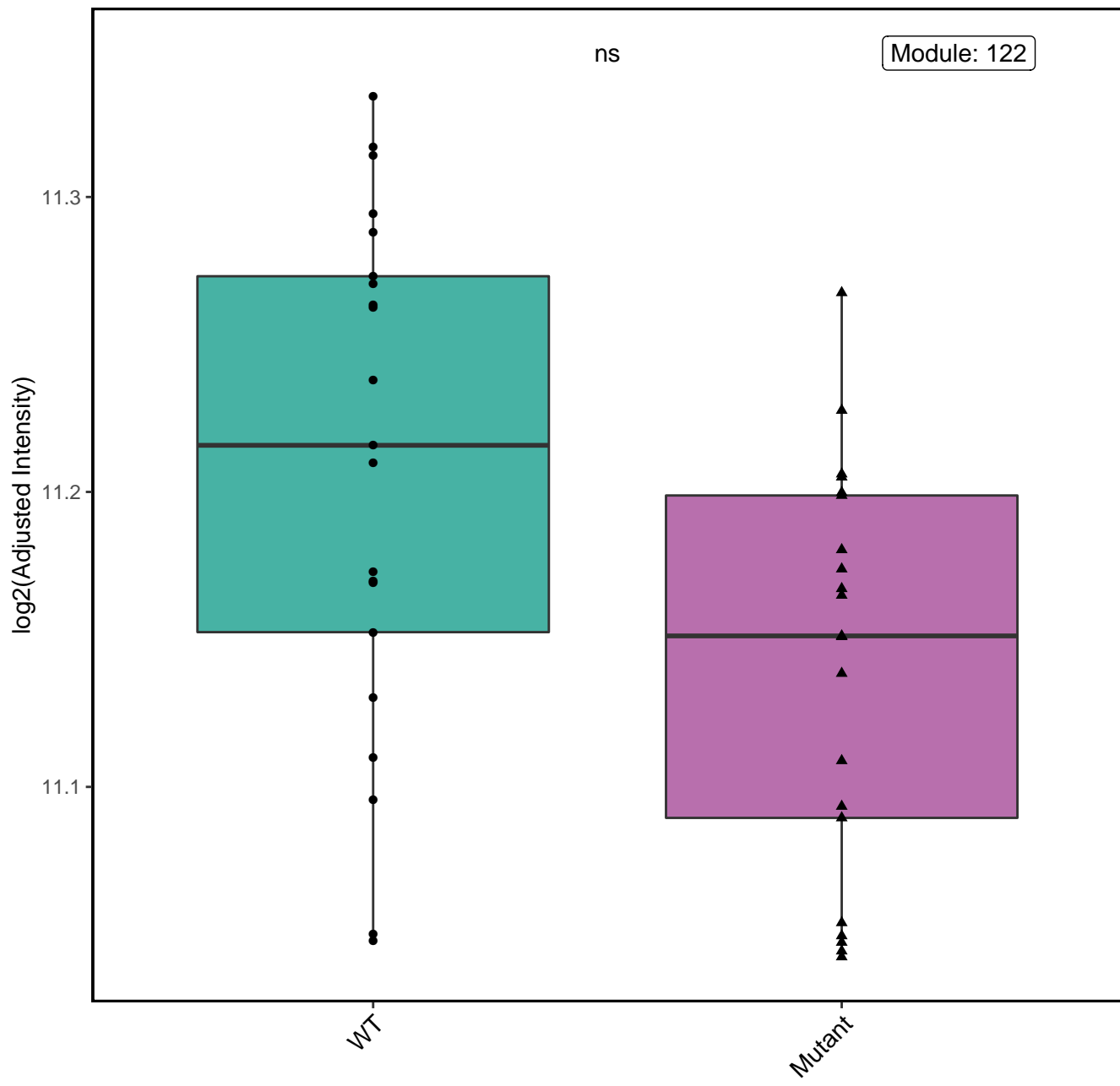
WT

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log2(Adjusted Intensity)

7.2

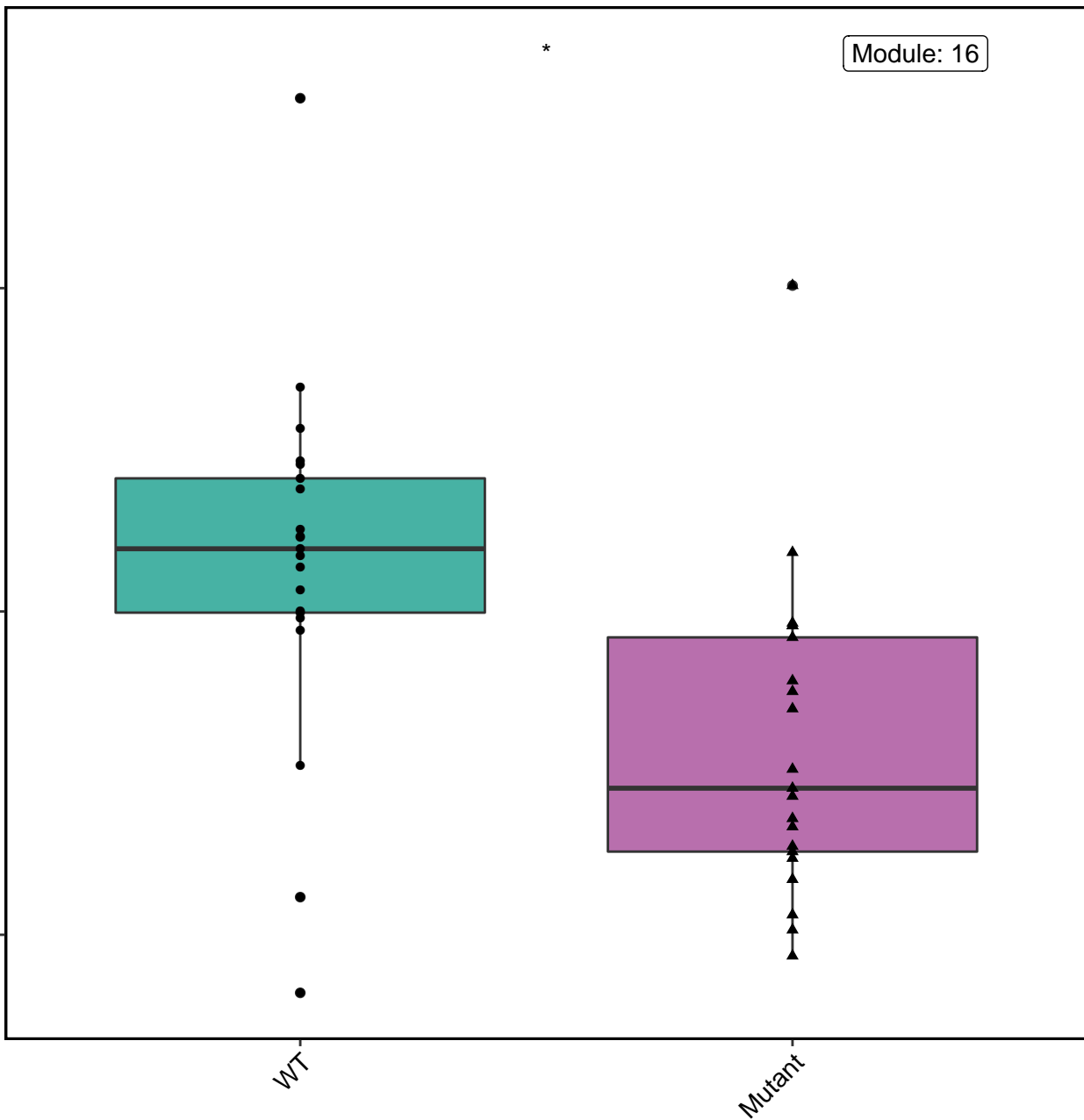
7.0

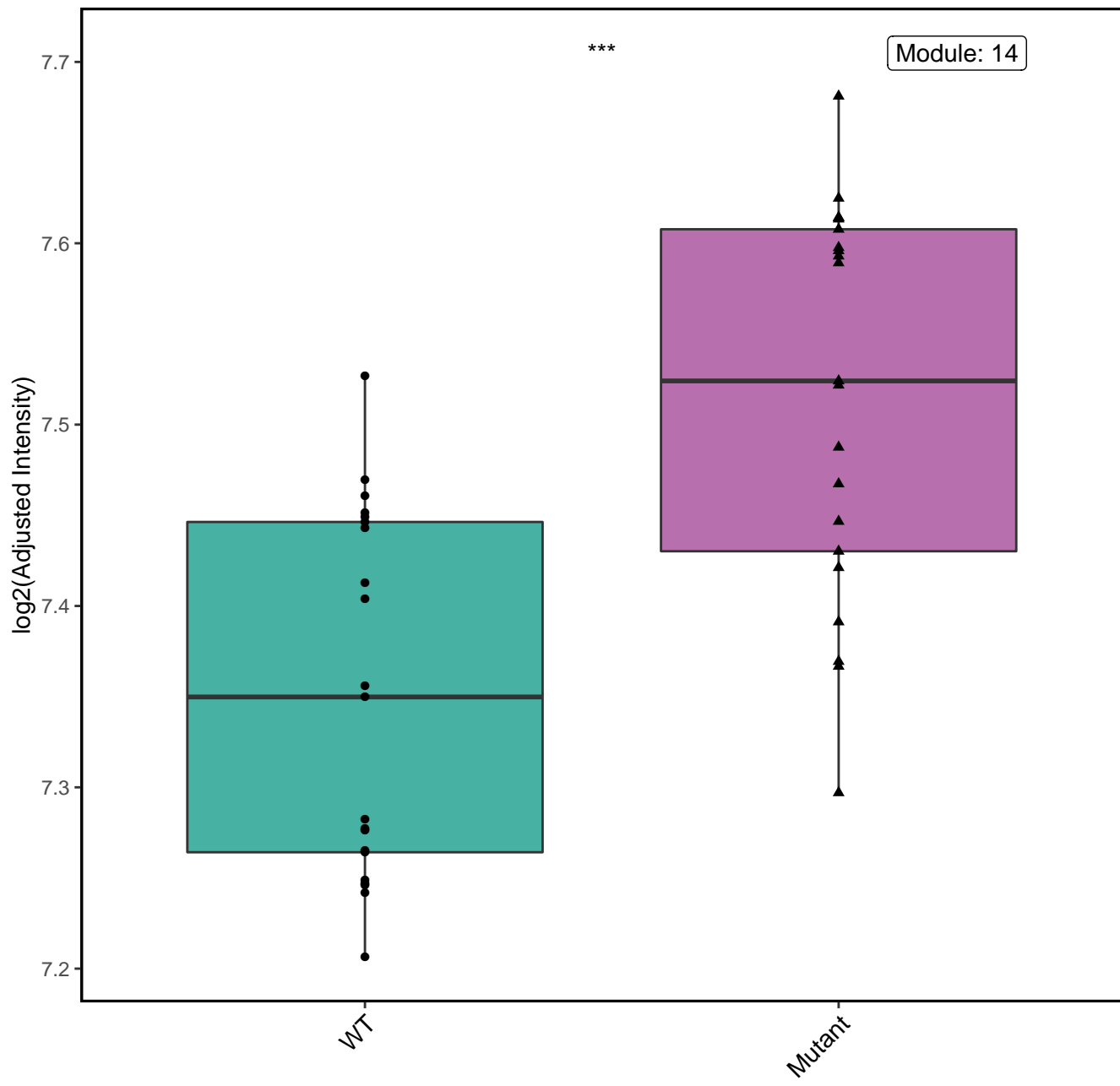
6.8

WT

Mutant

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log2(Adjusted Intensity)

7.0

6.8

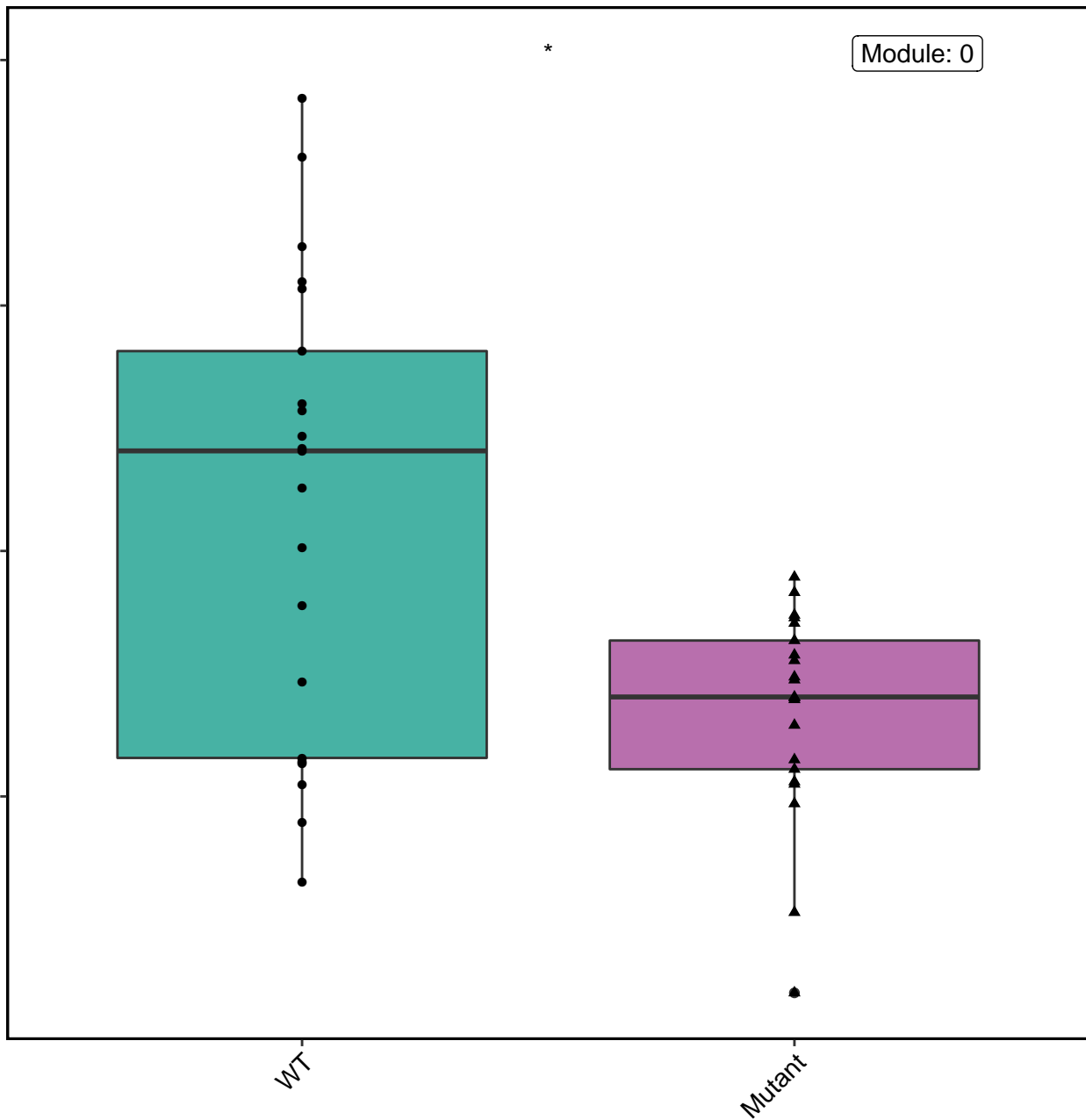
6.6

6.4

WT

Mutant

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log2(Adjusted Intensity)

5.6

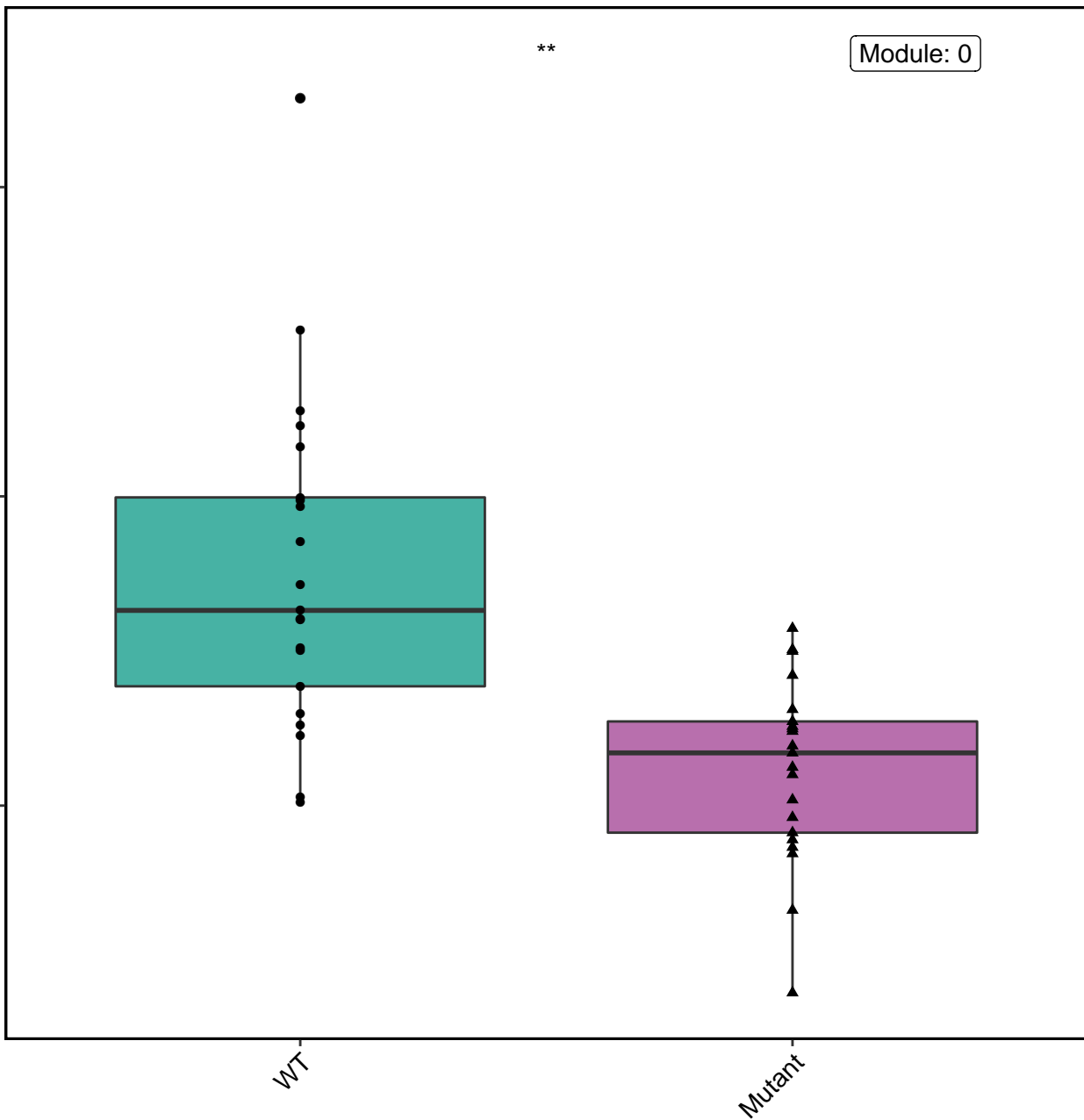
5.4

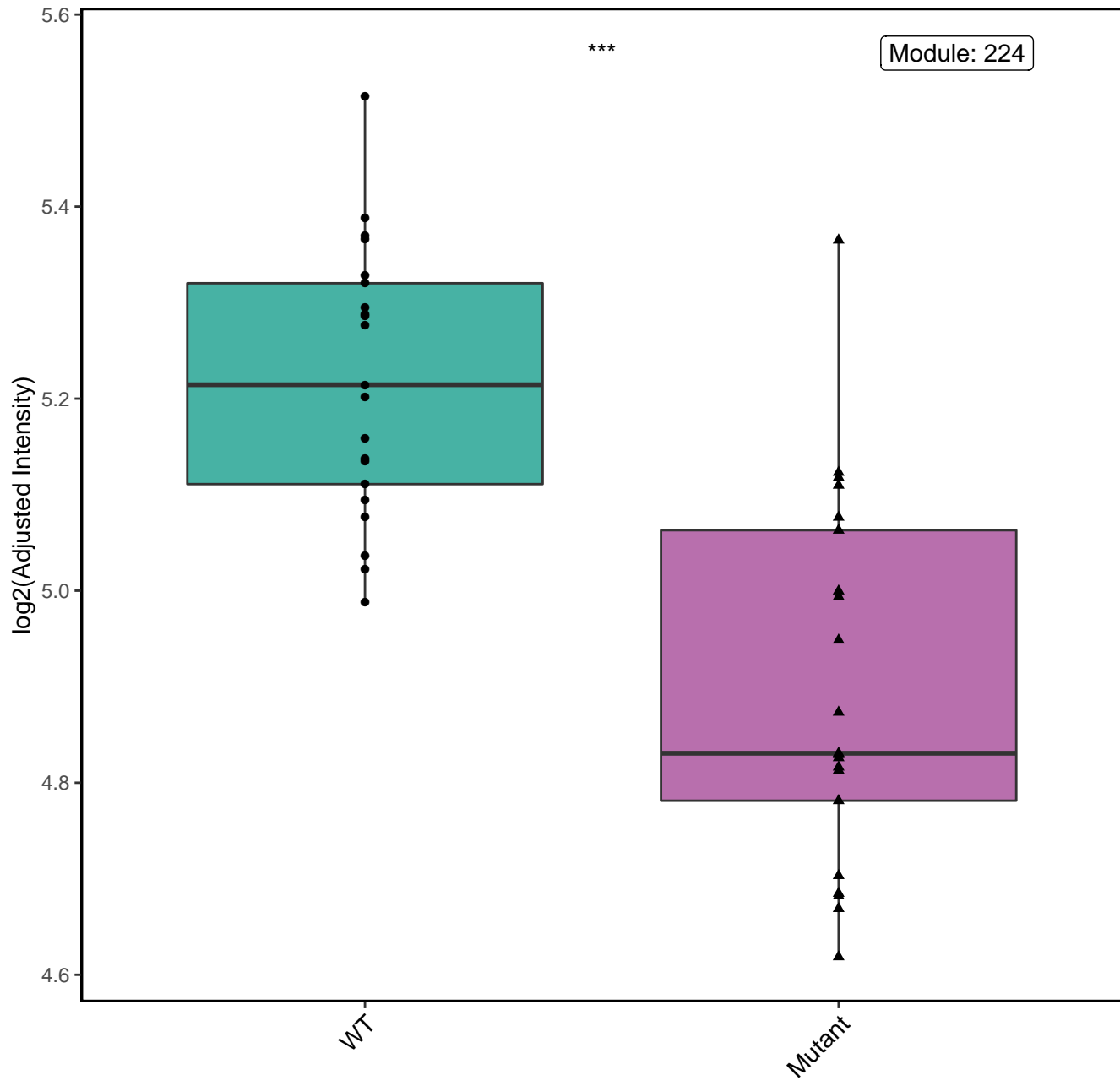
5.2

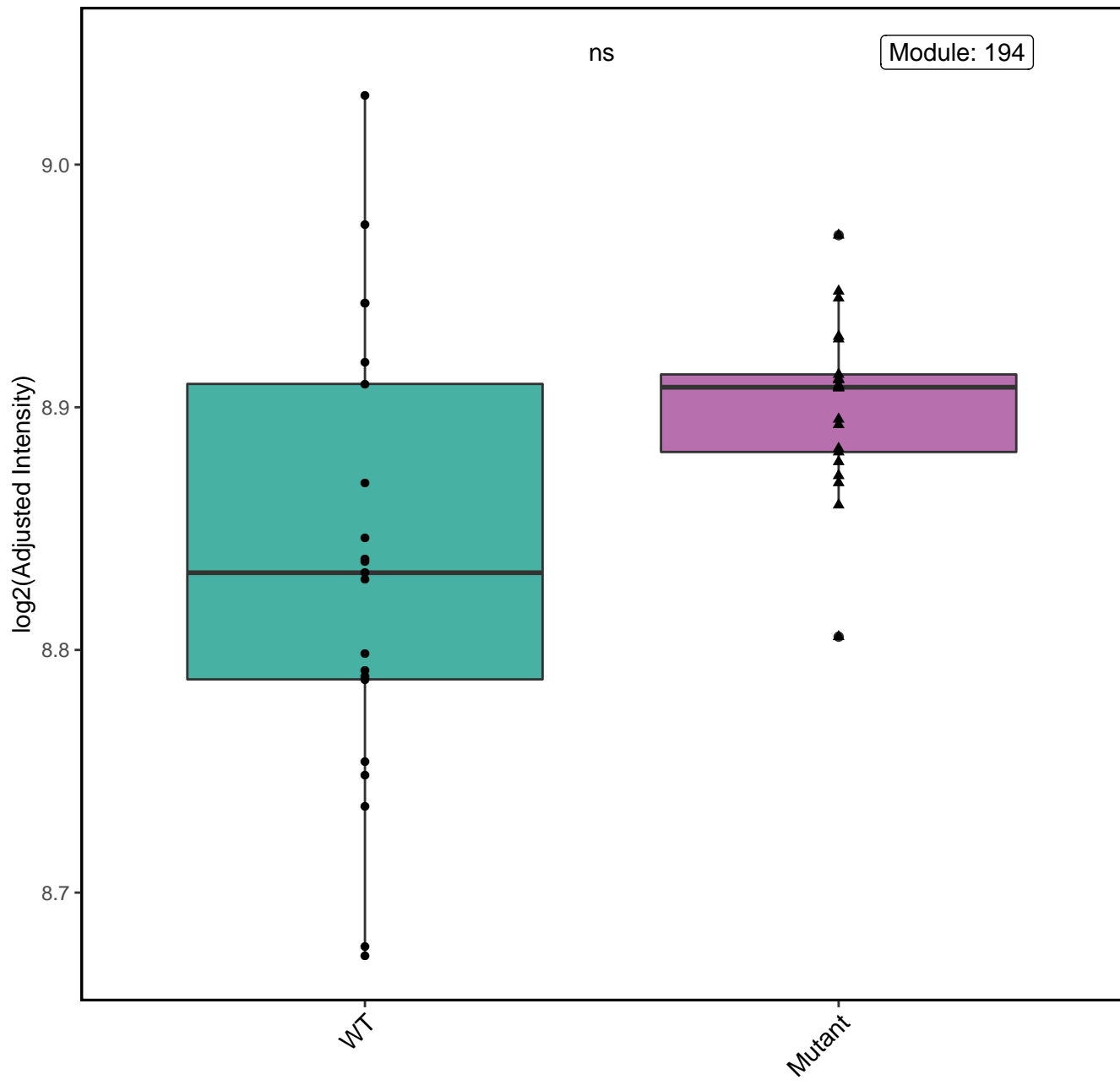
WT

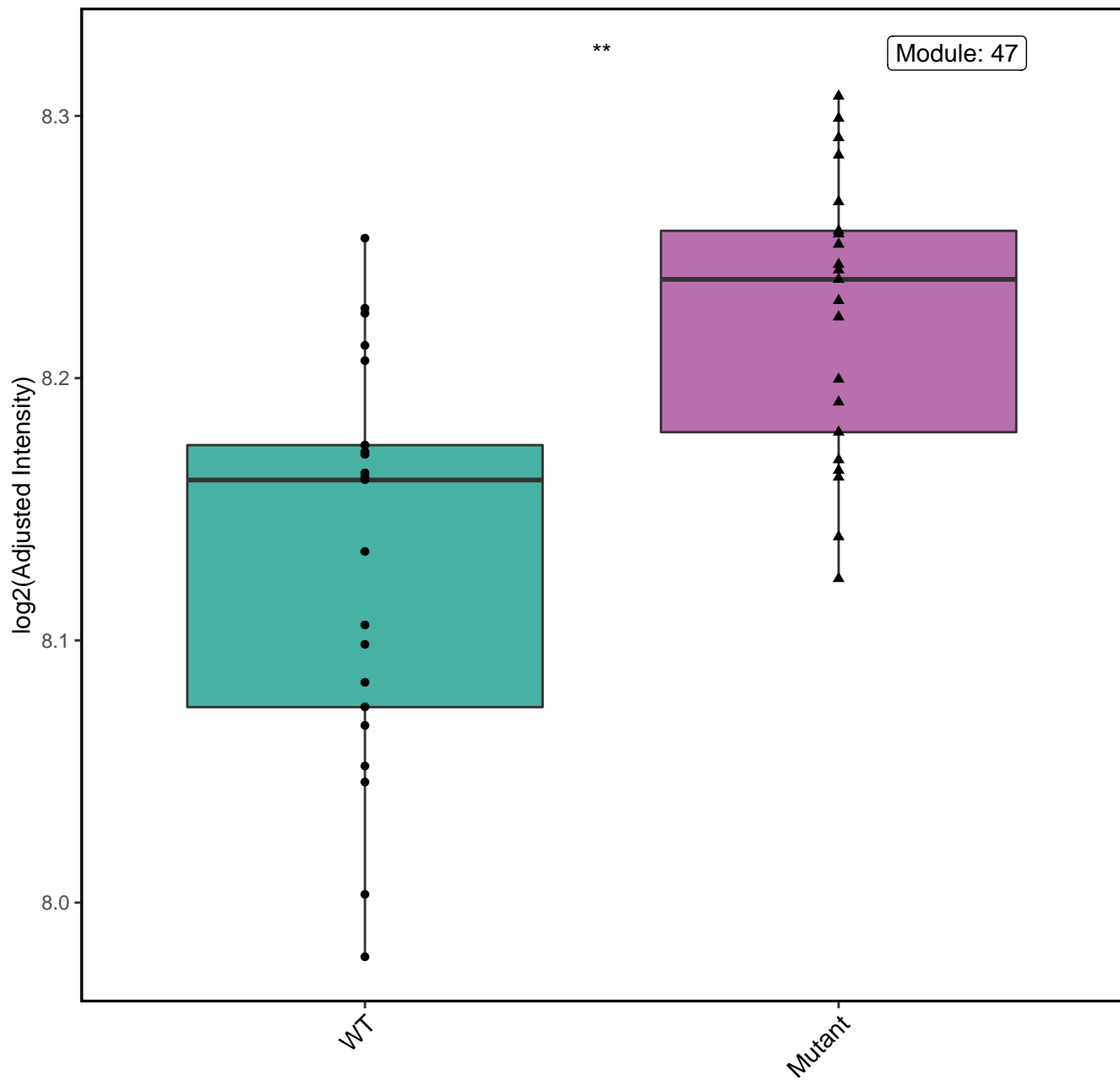
Mutant

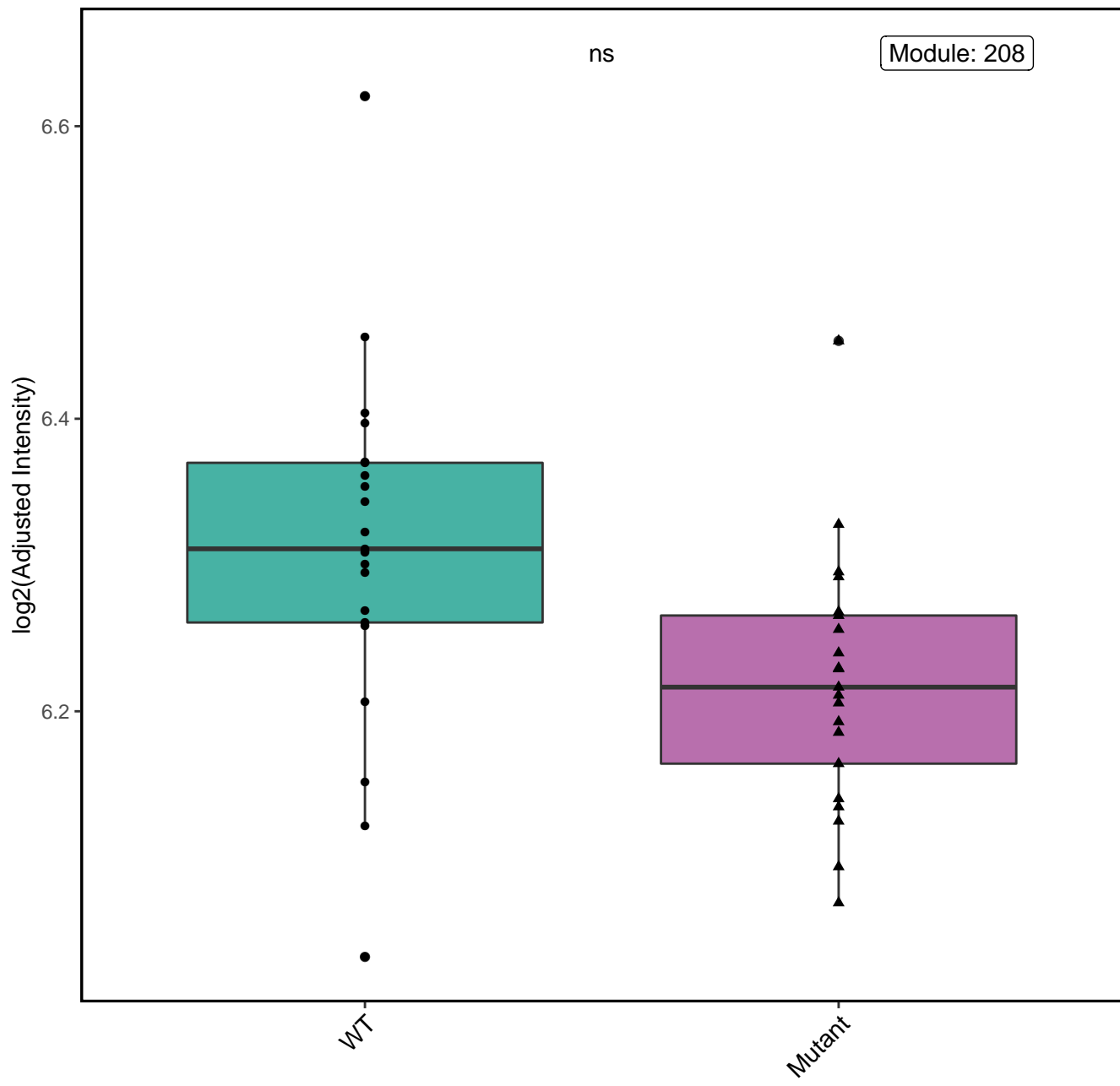
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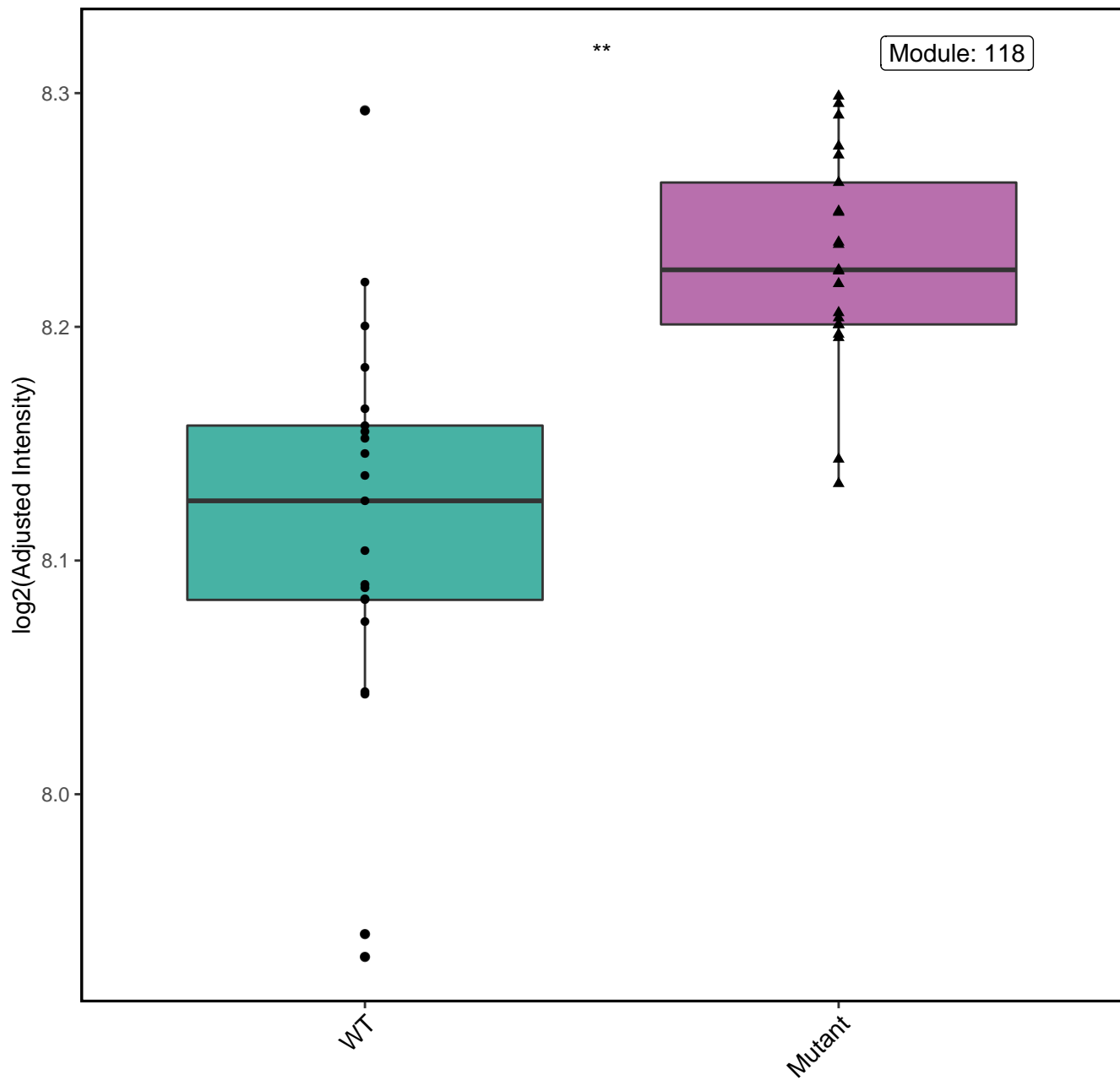


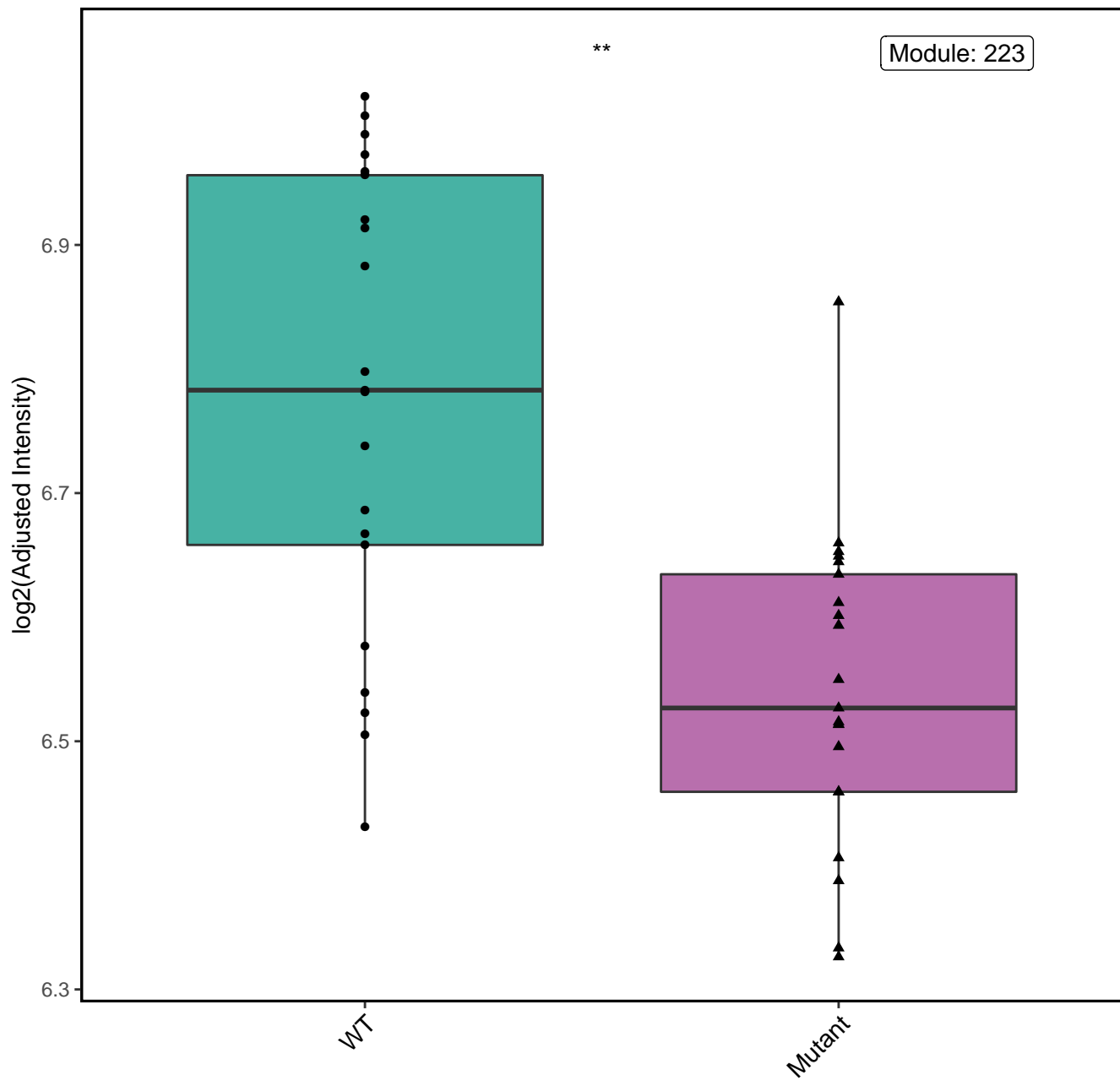




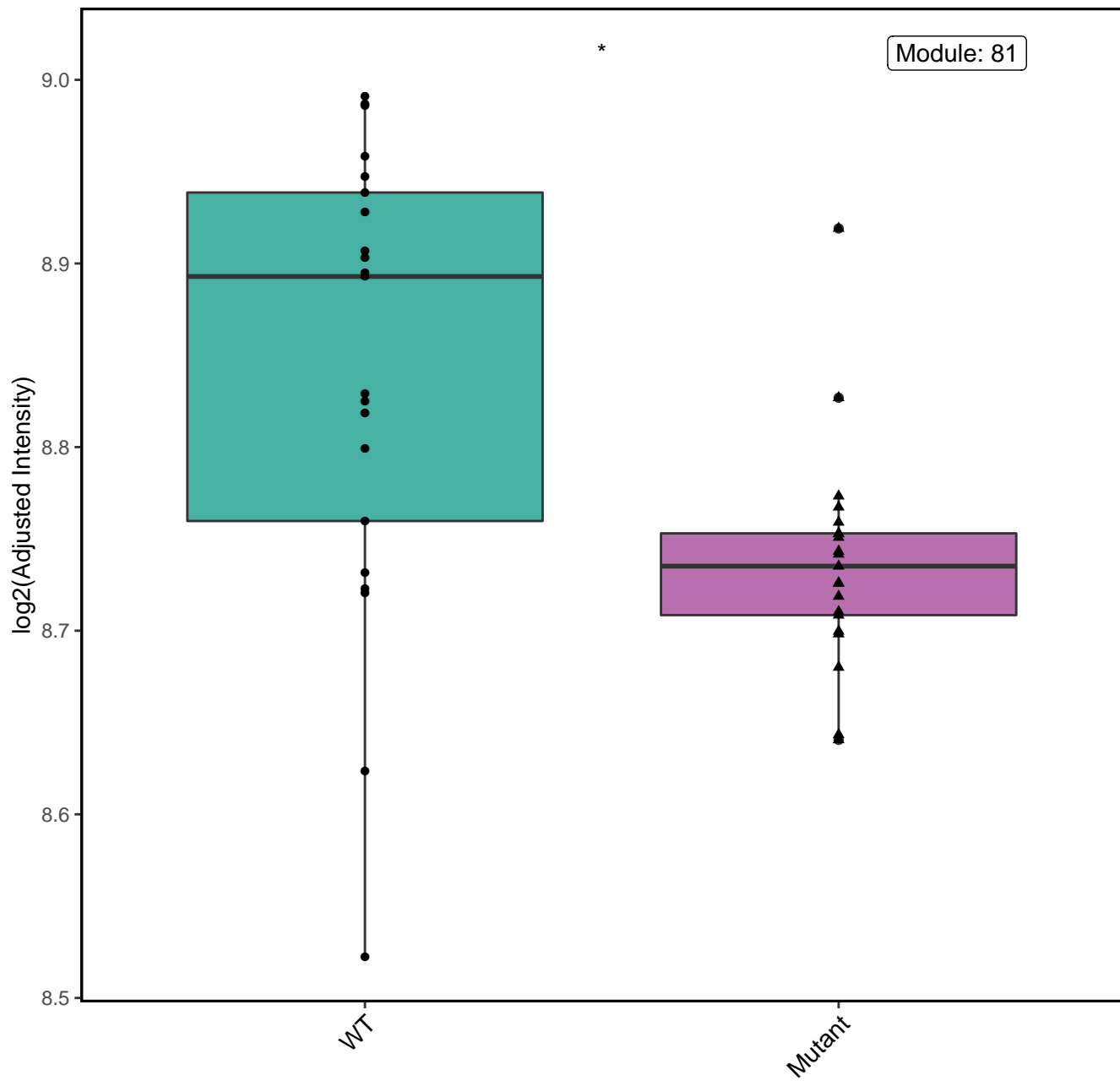


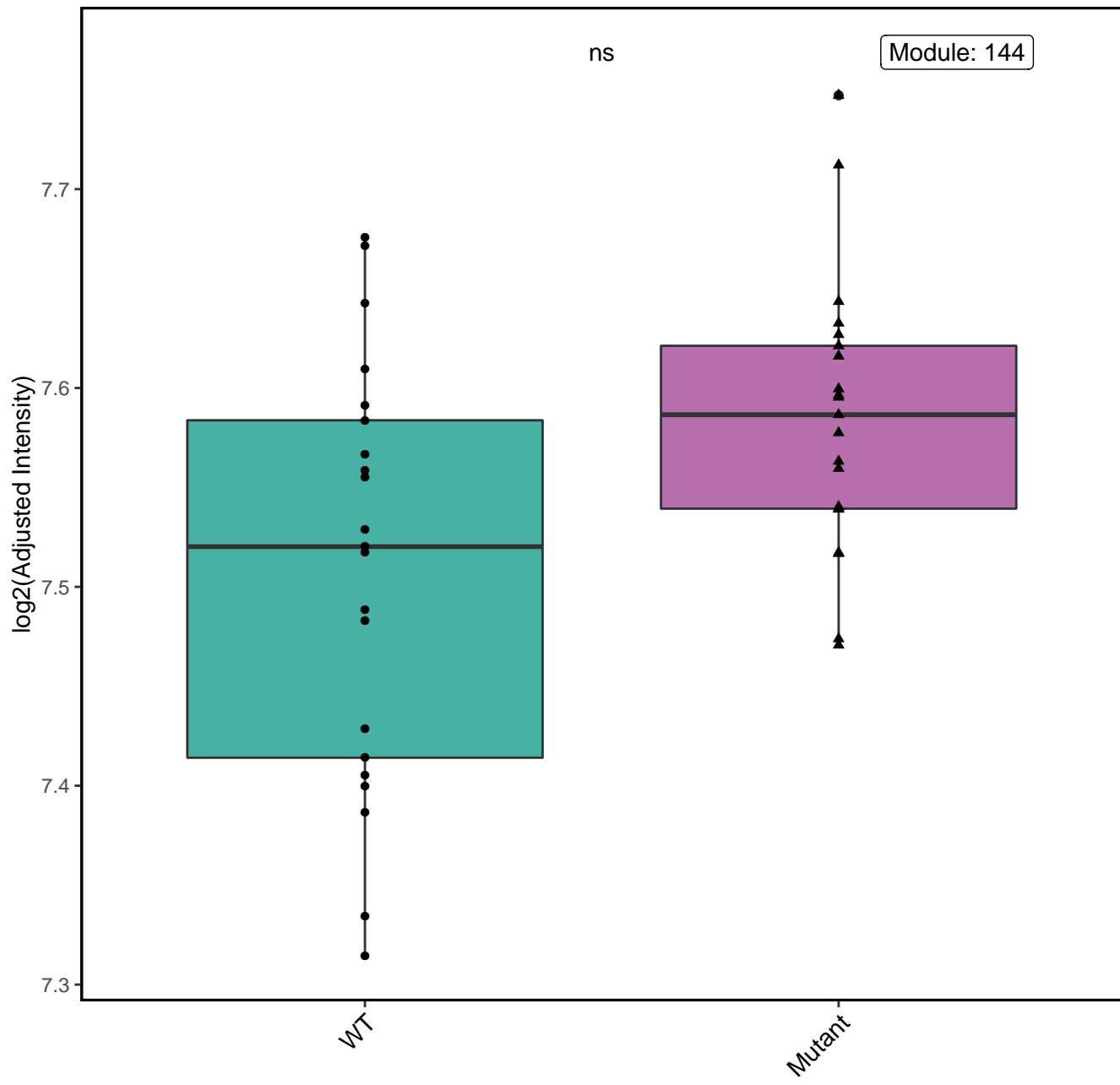


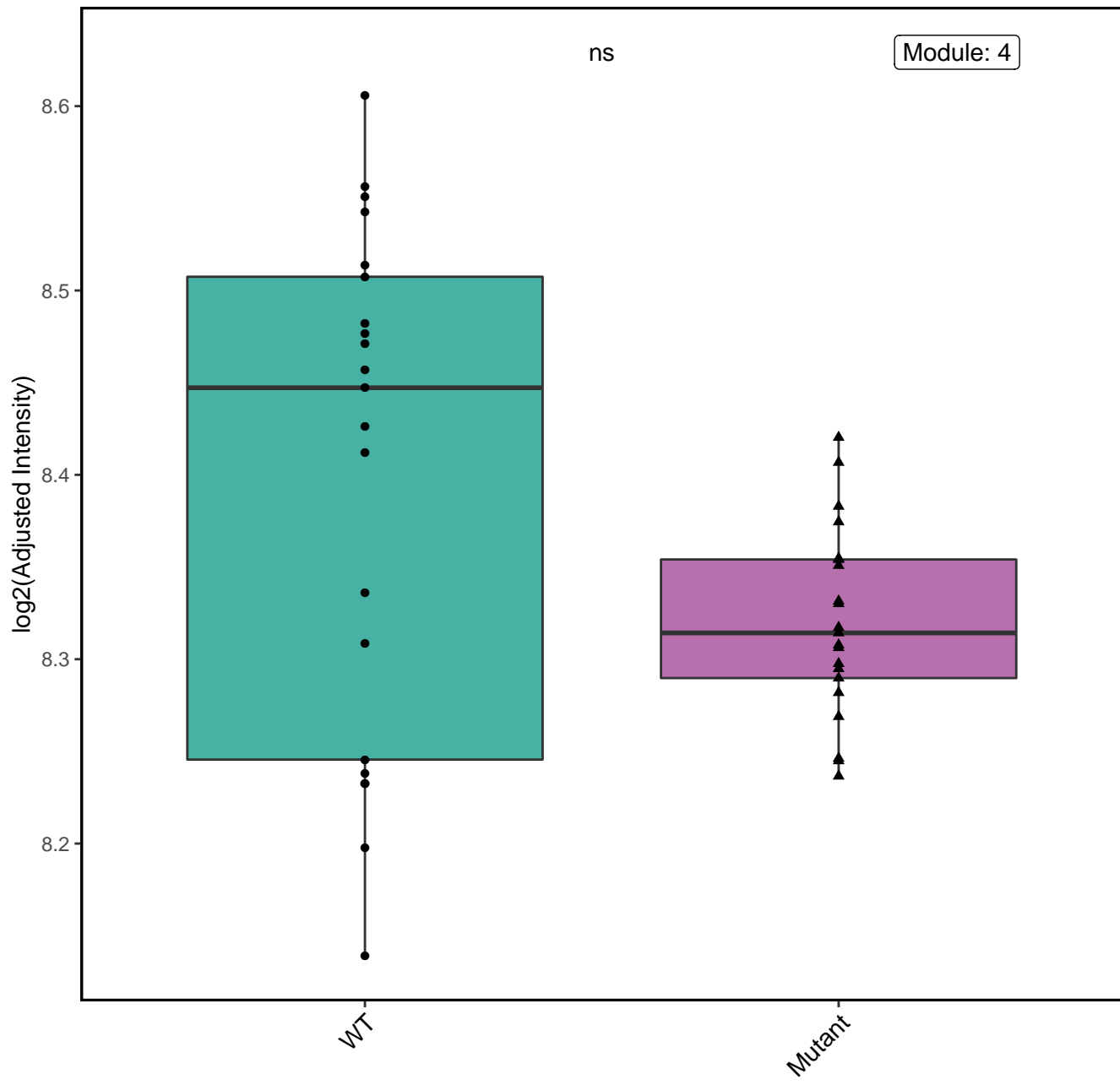


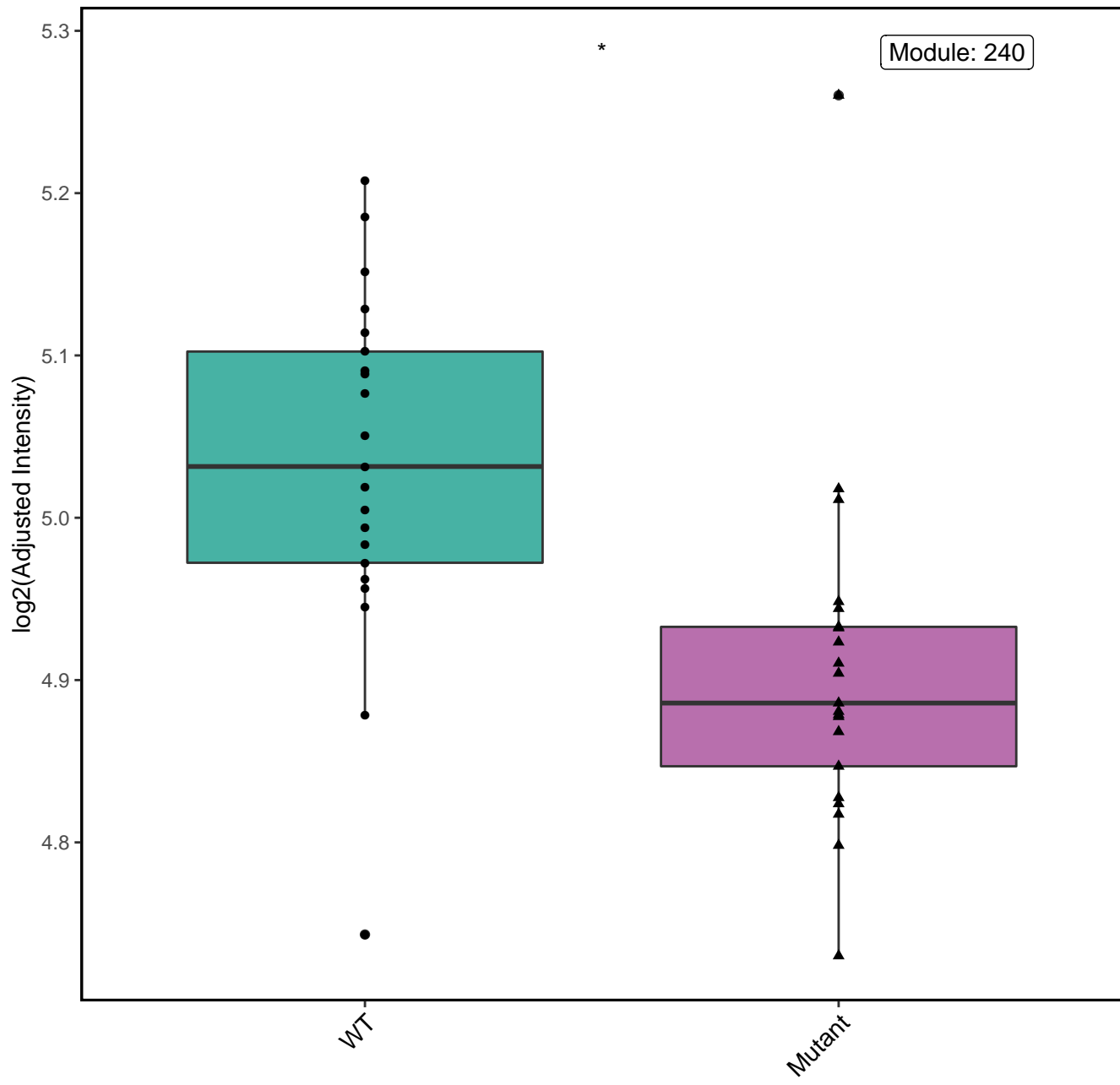


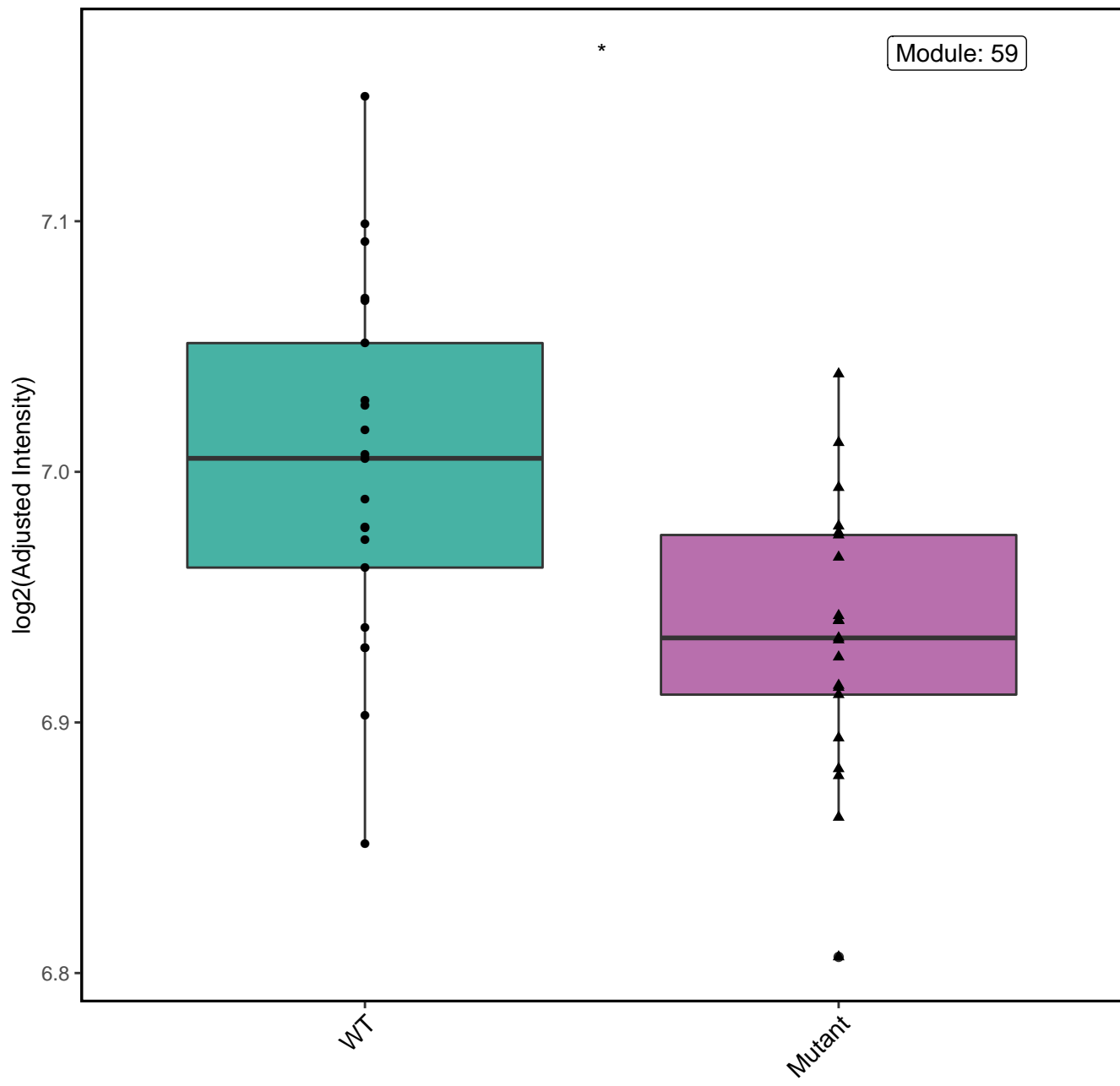


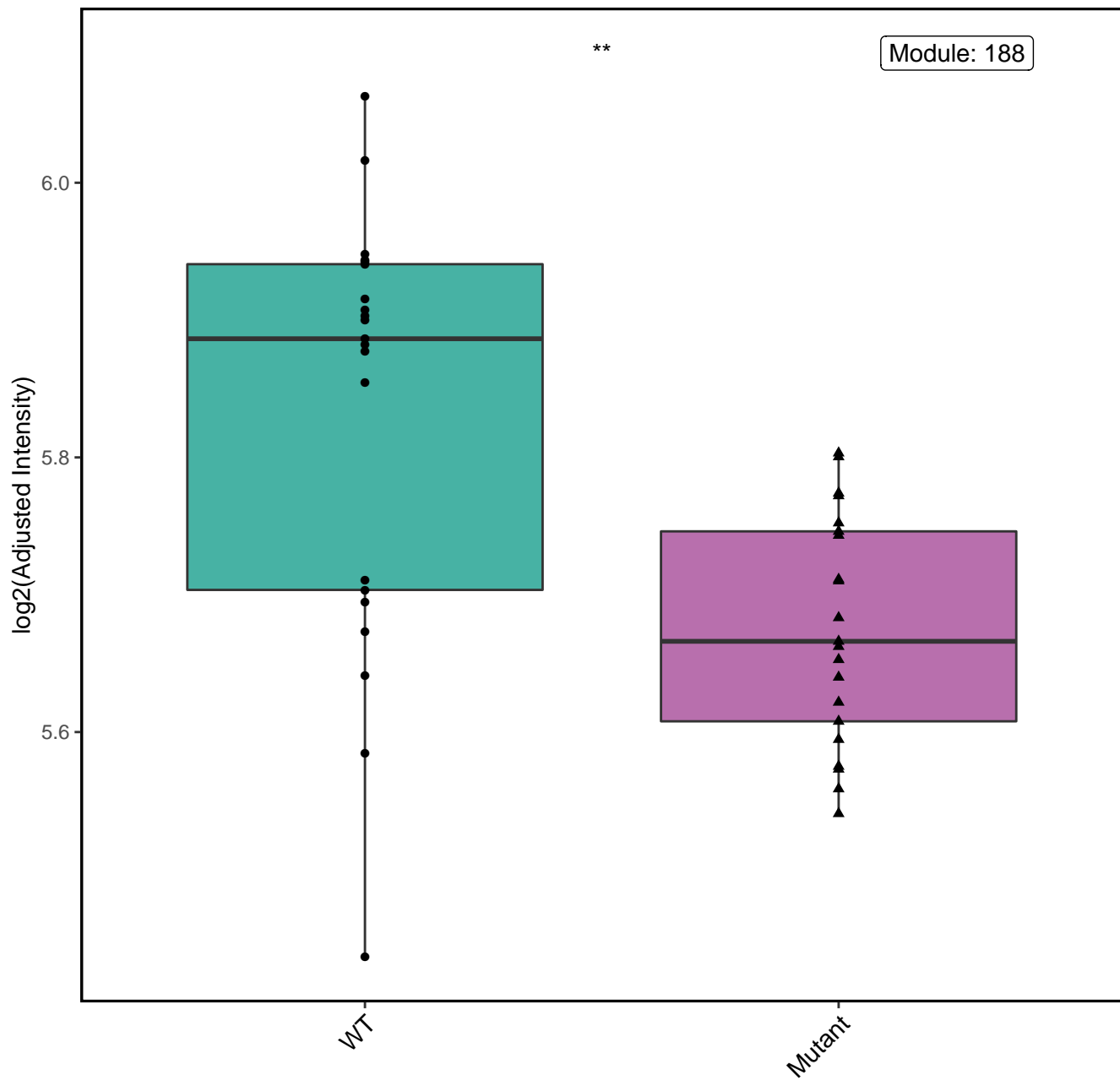


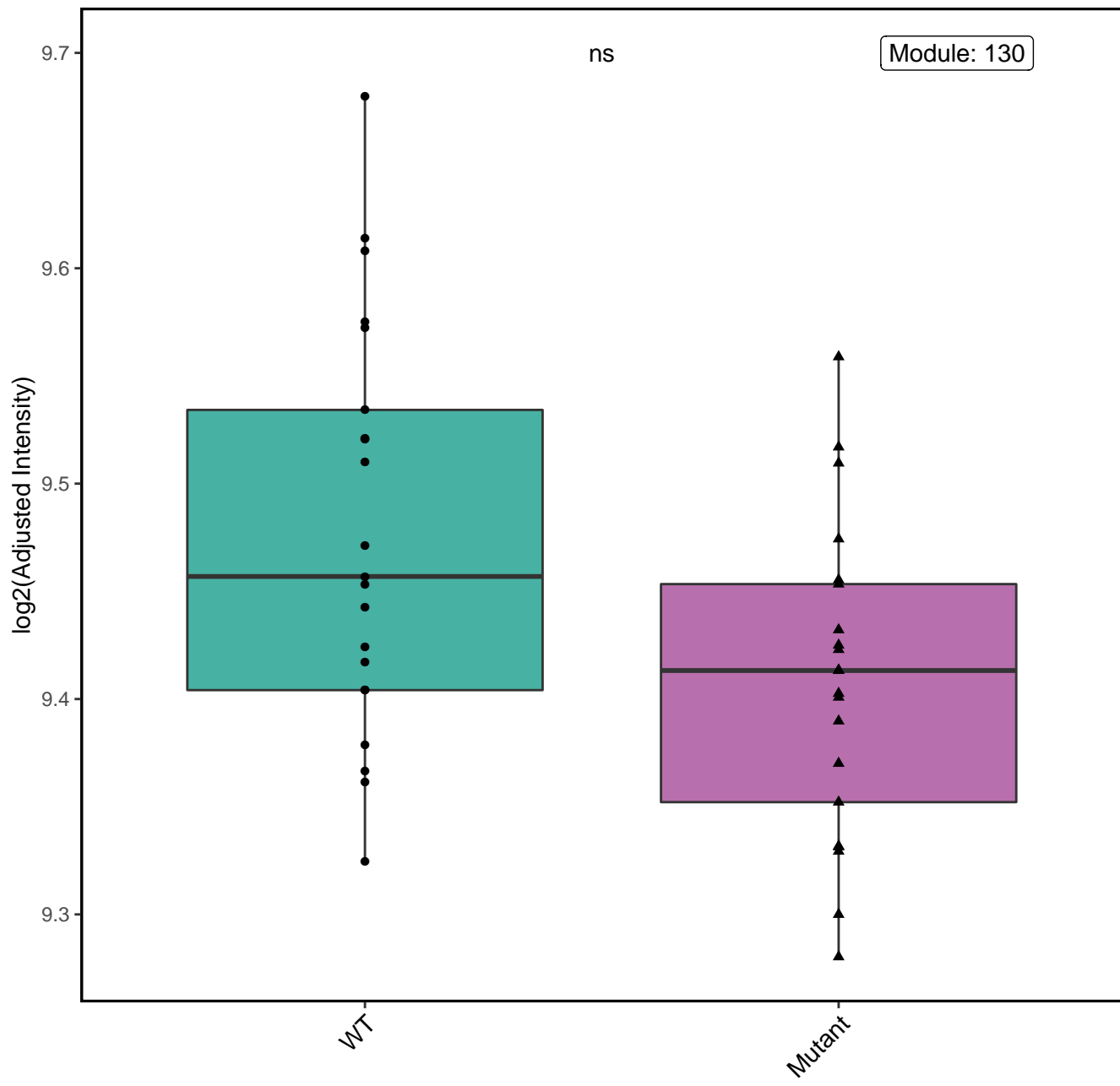


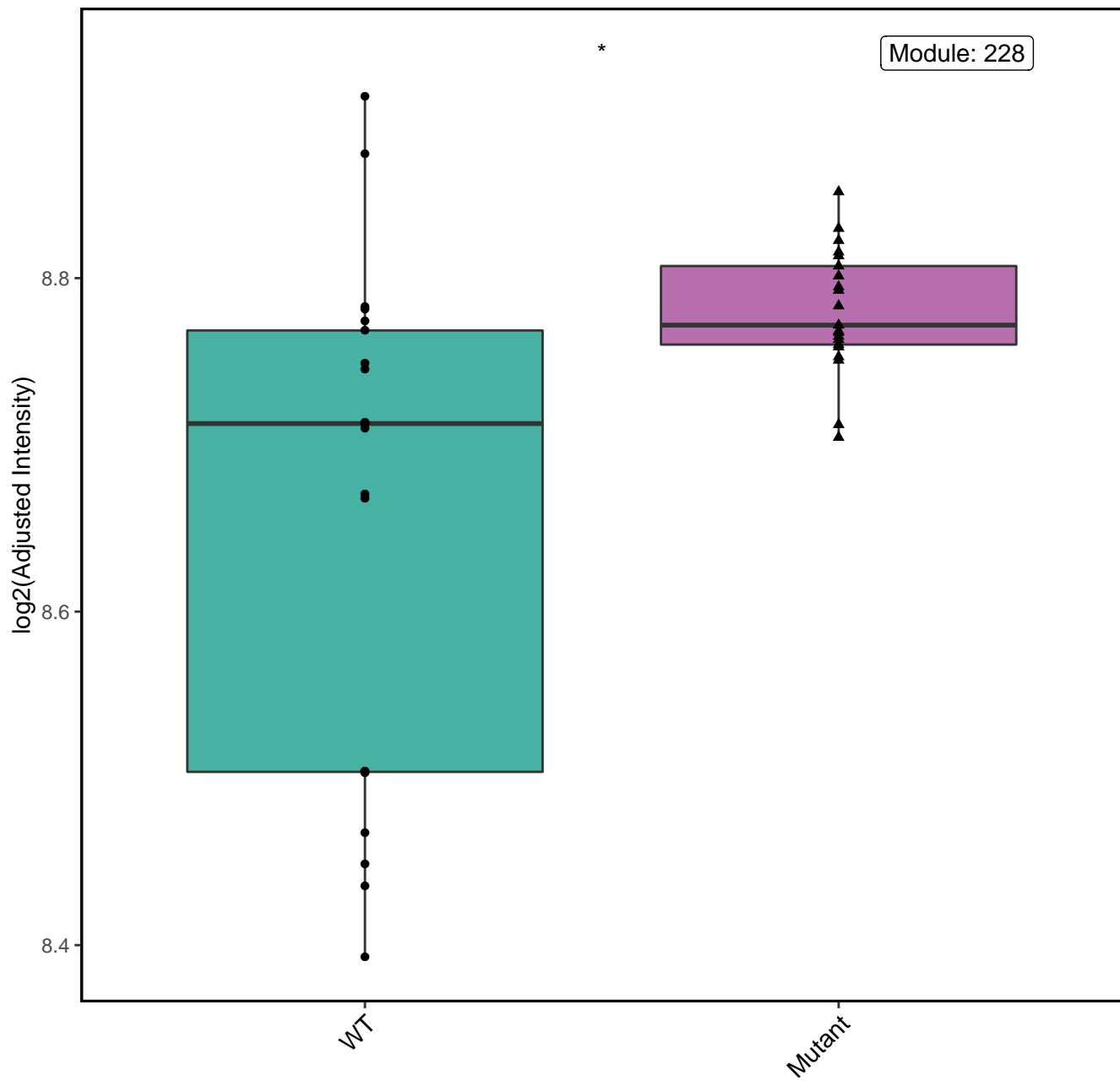














log2(Adjusted Intensity)

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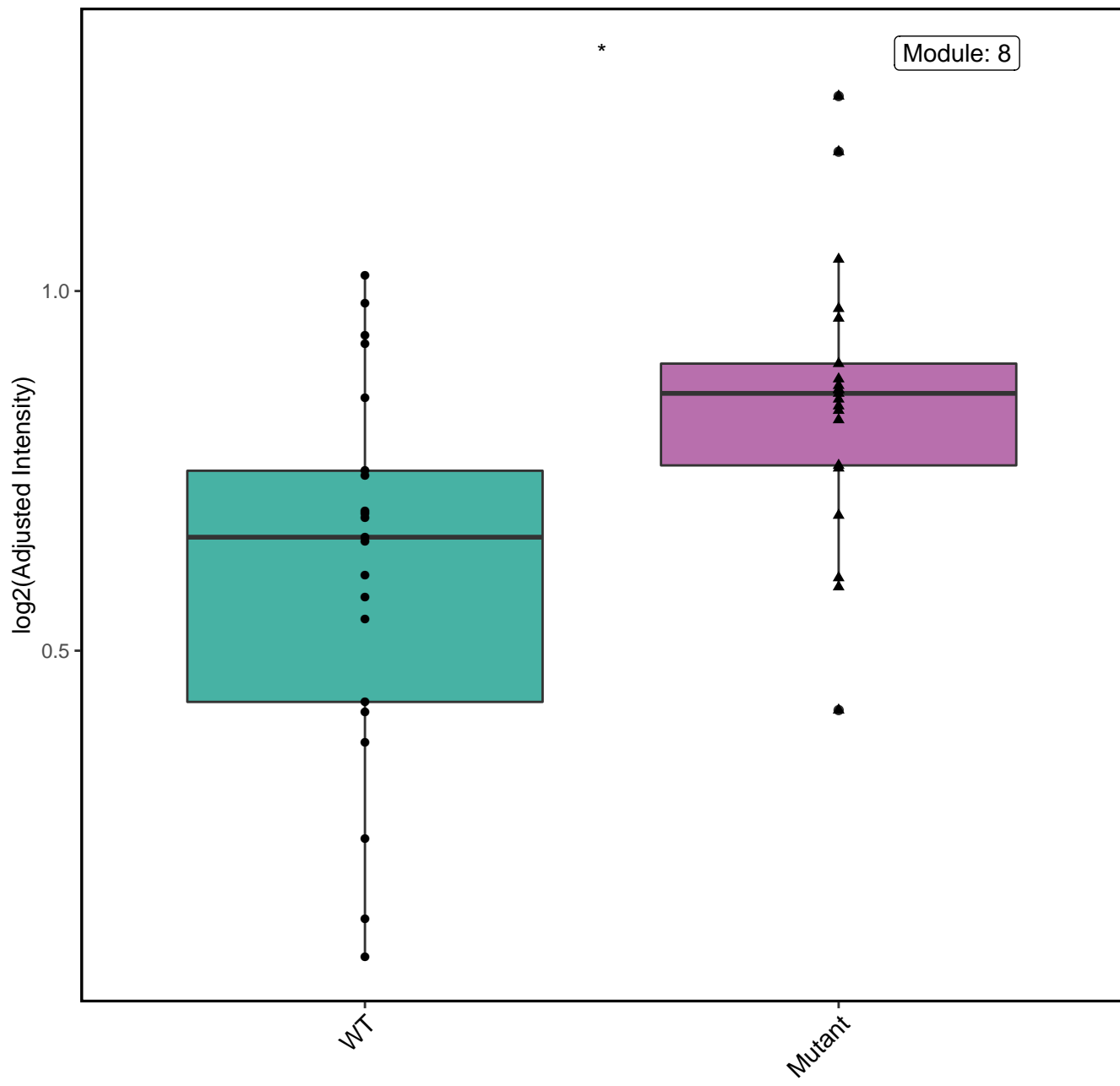
WT

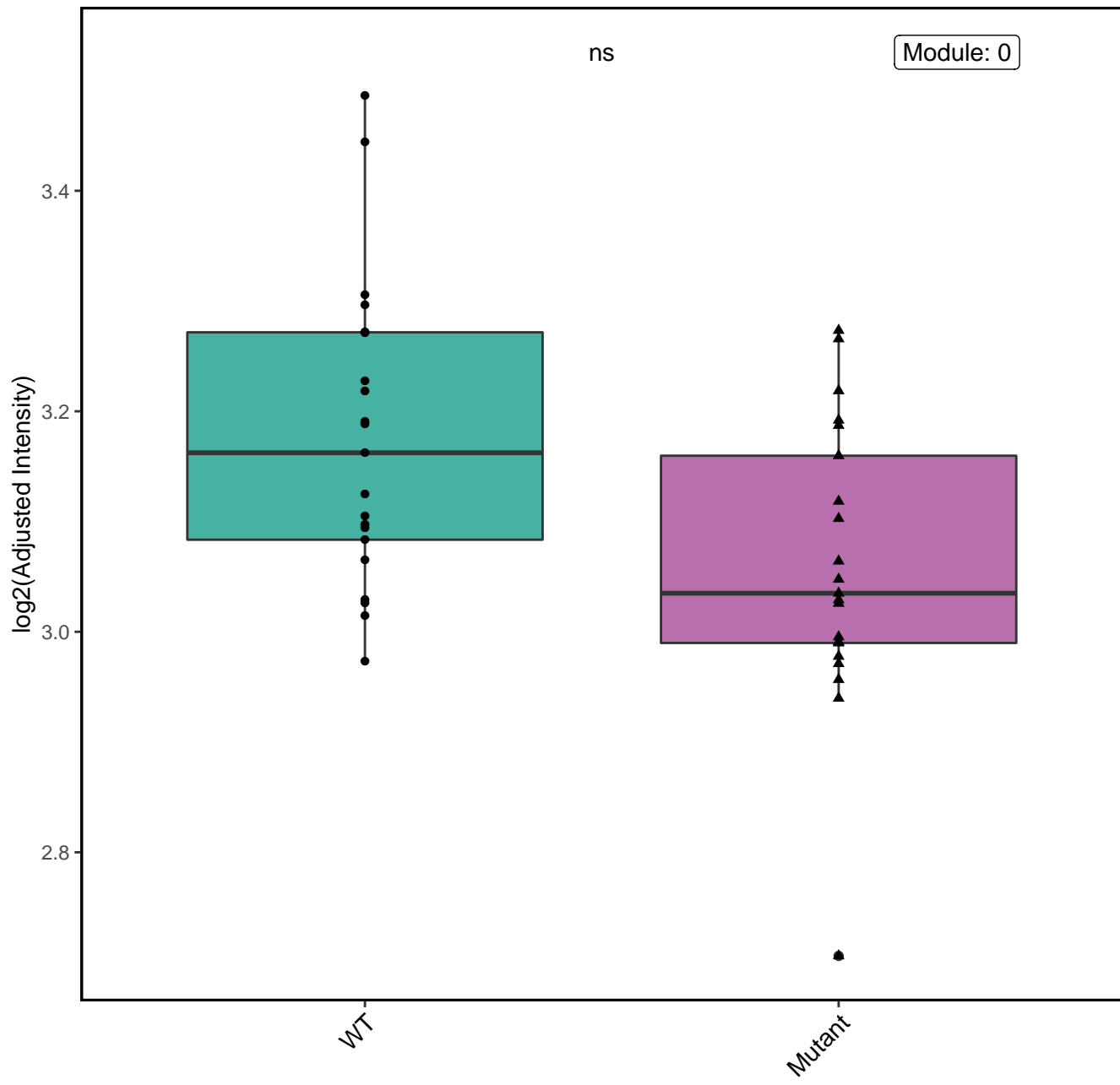
Mutant

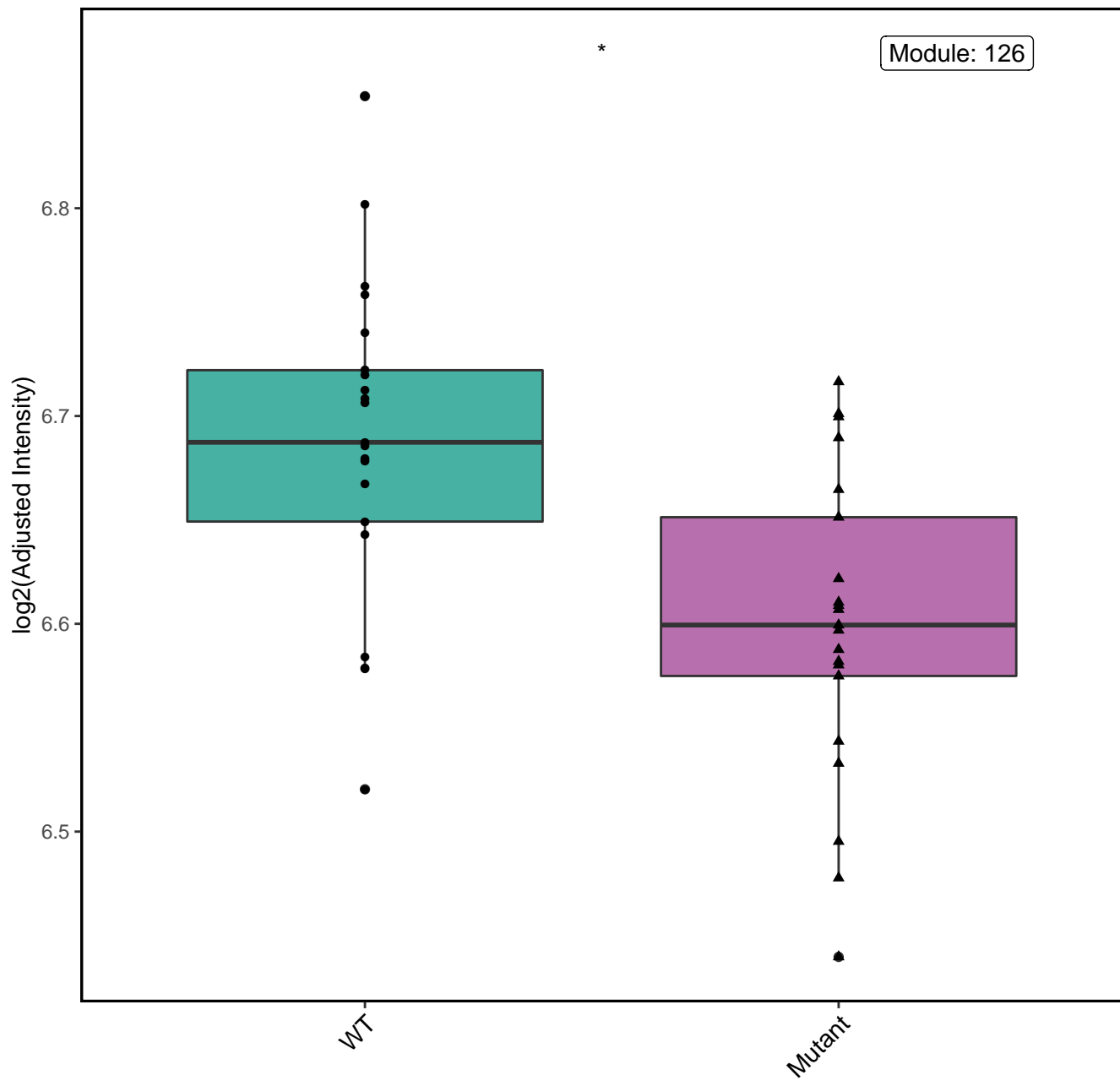
10.6

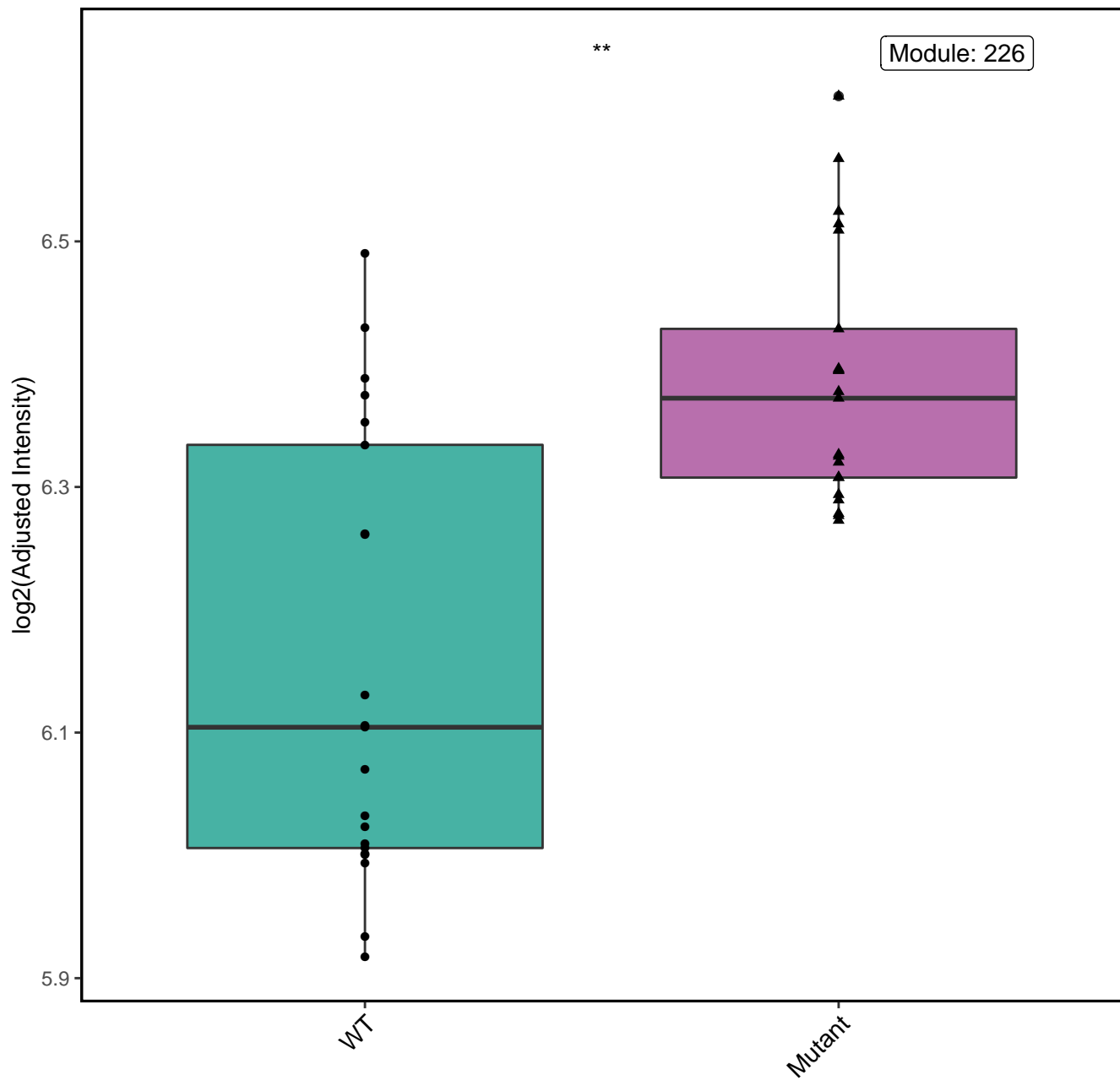
10.4

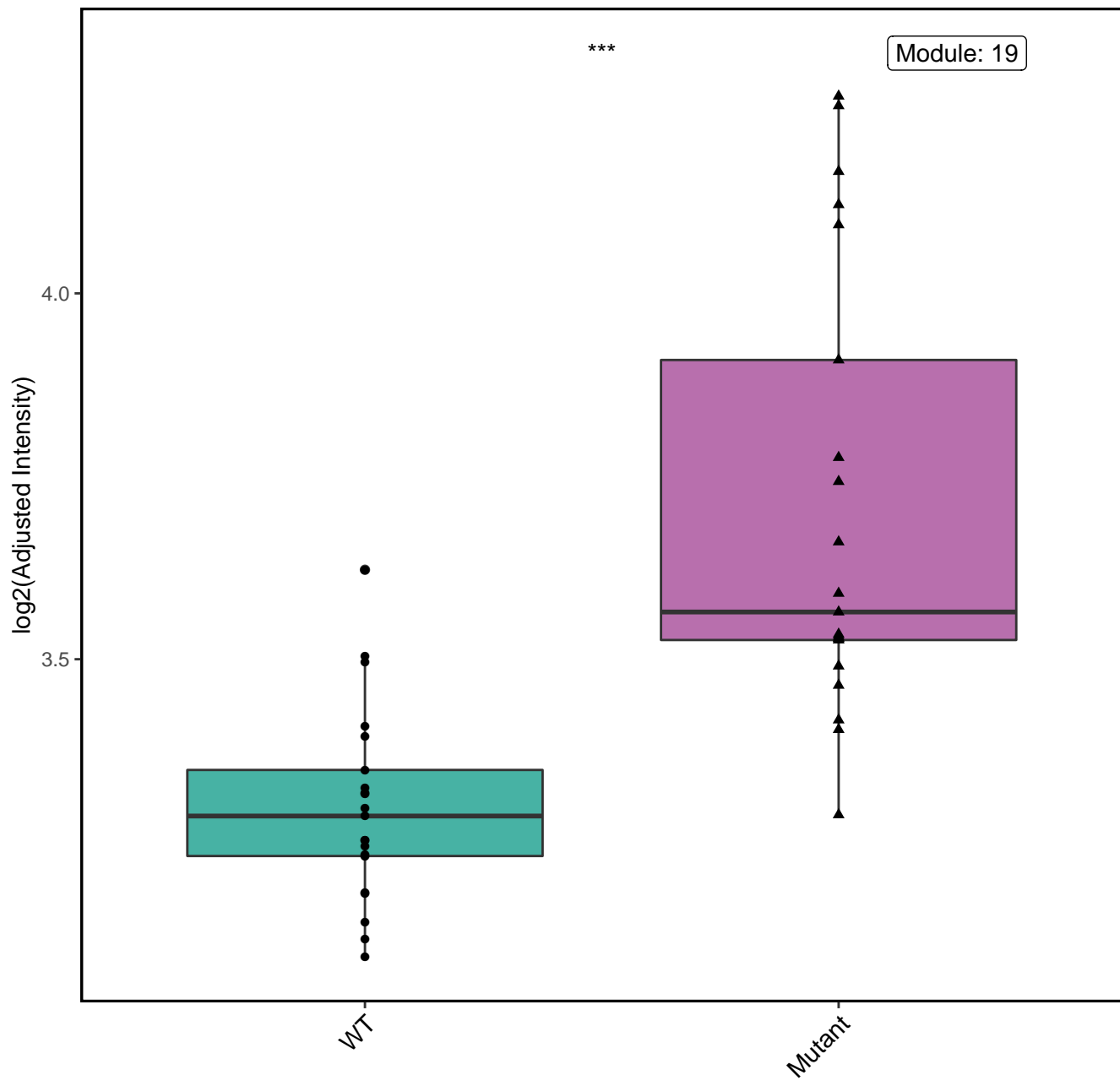
10.2

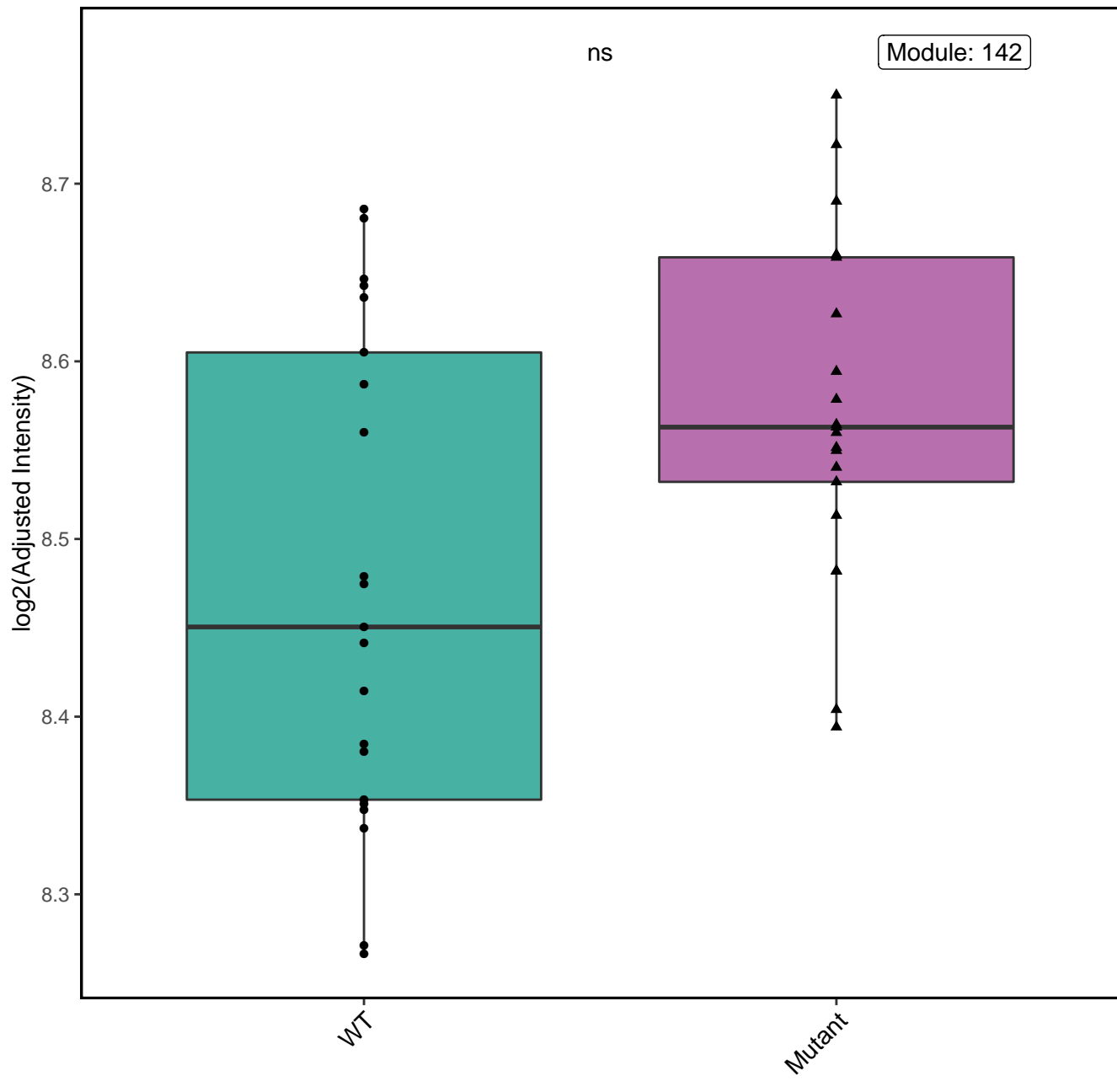


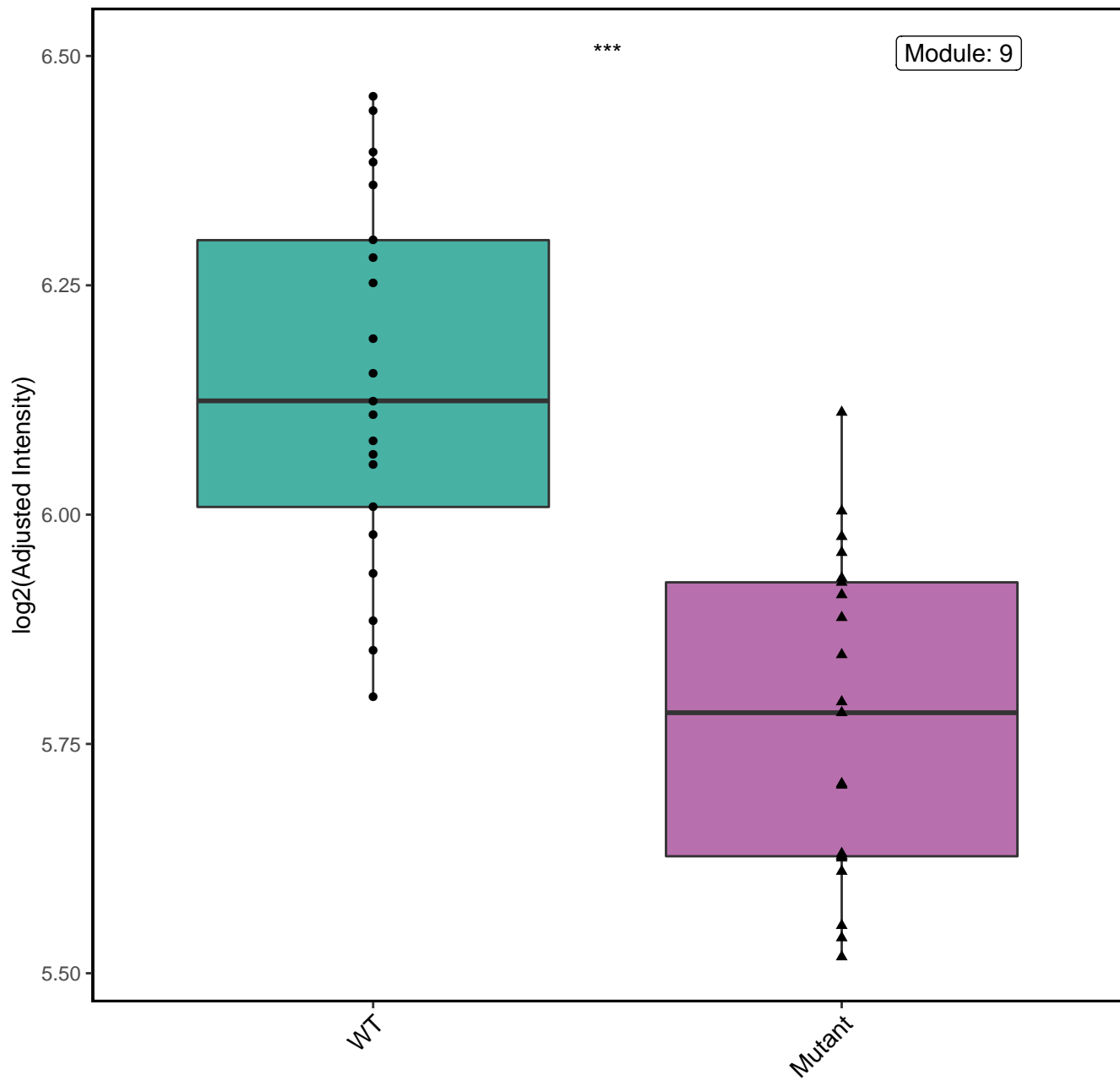




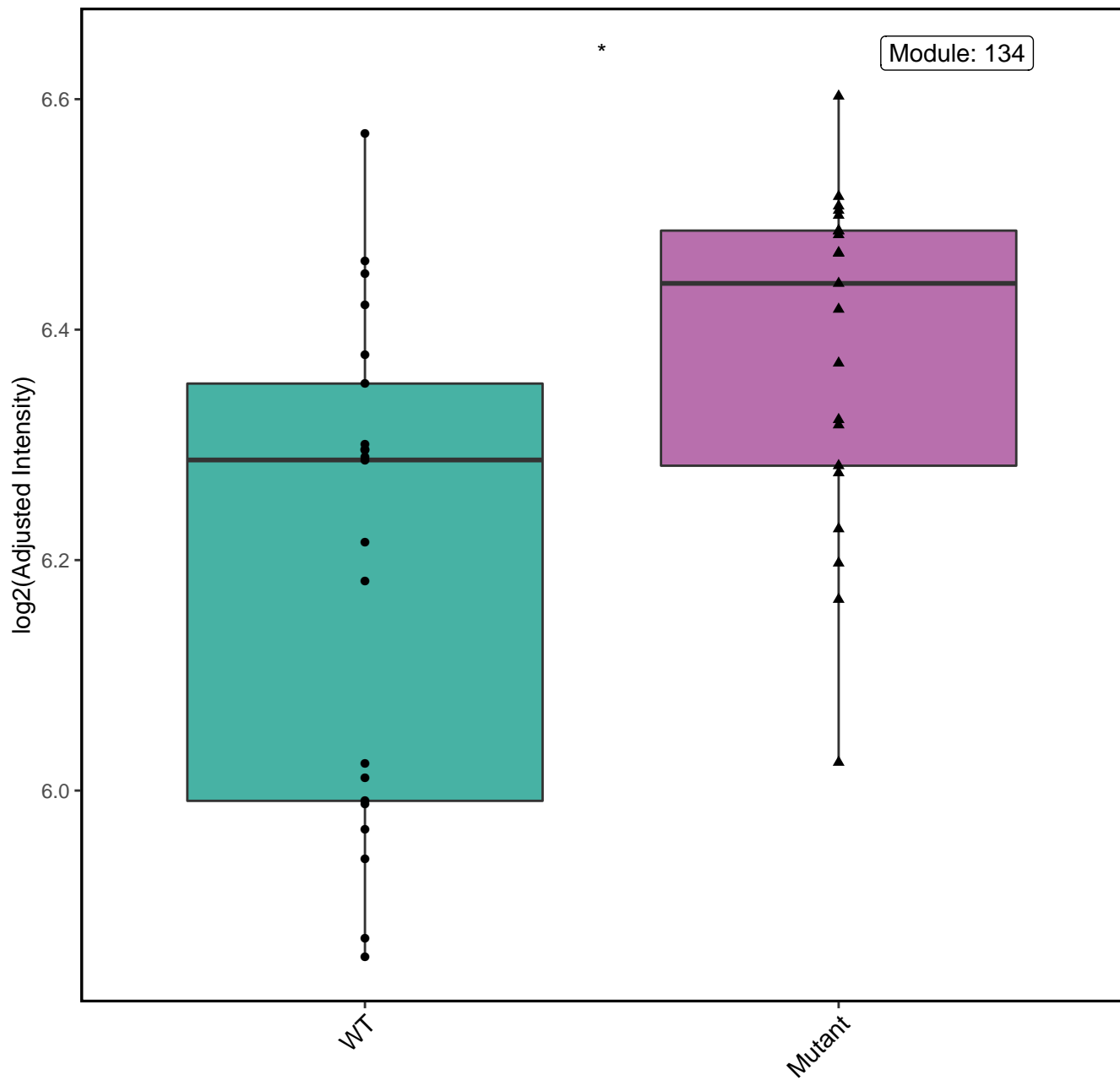


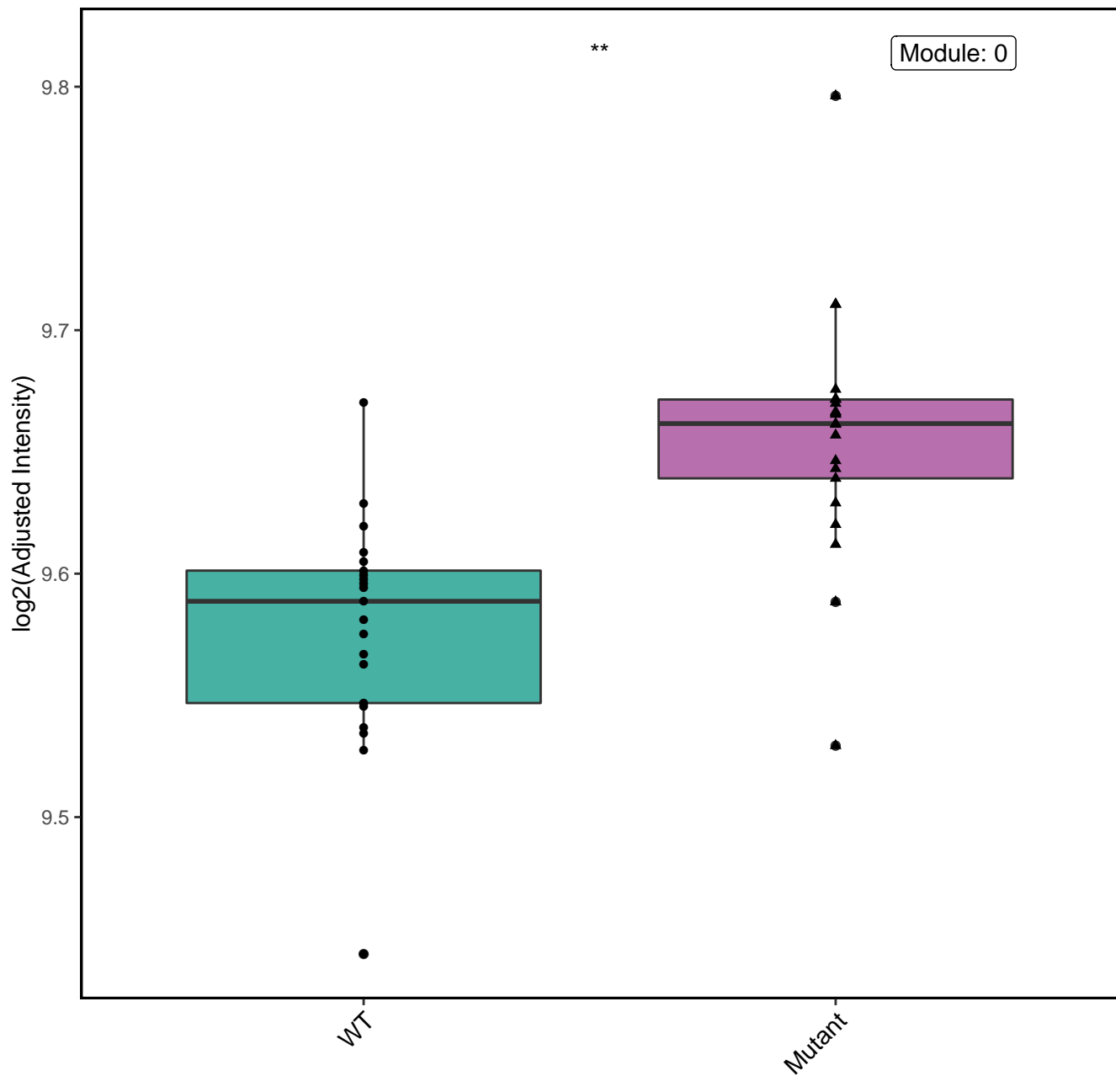


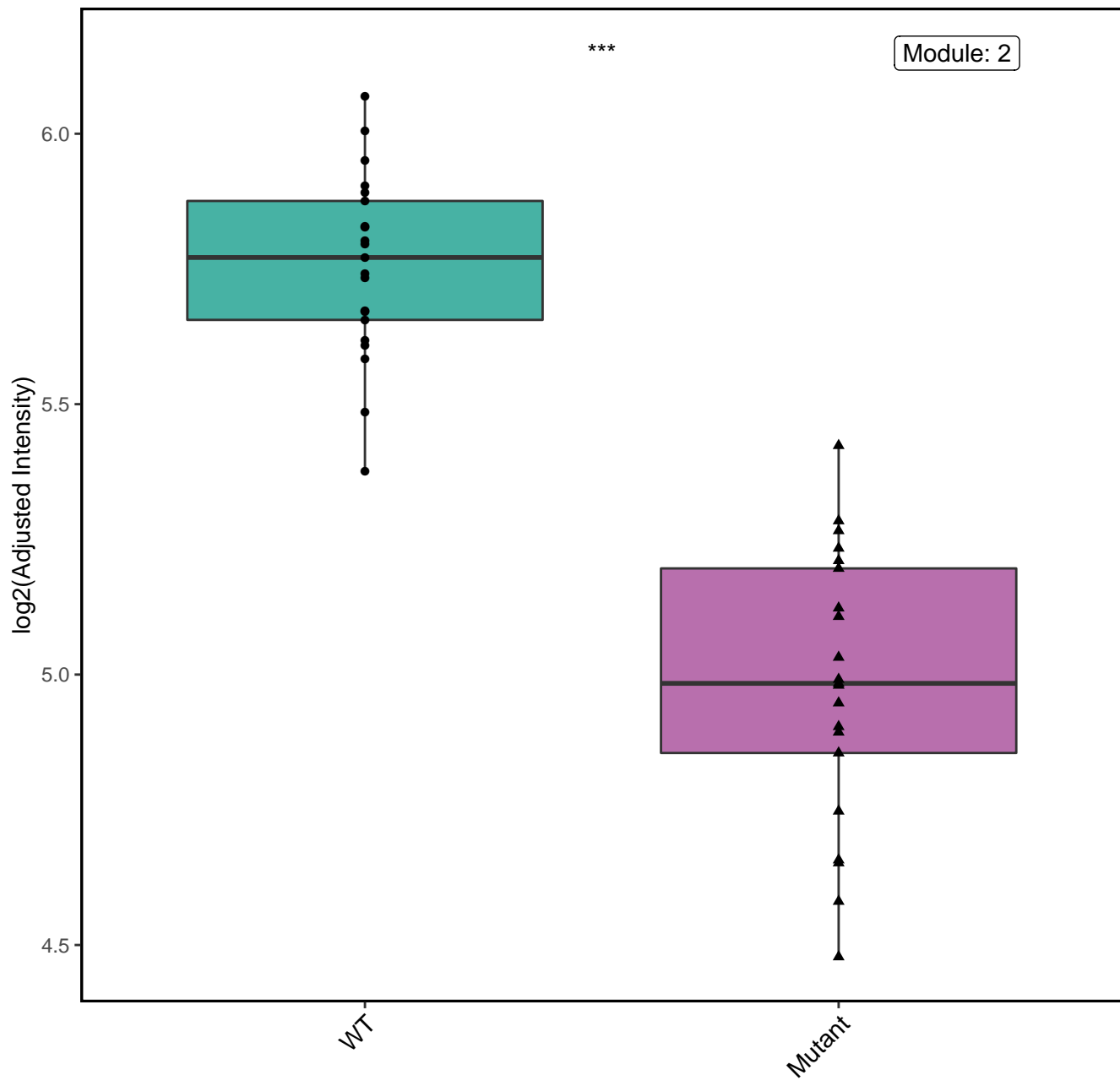


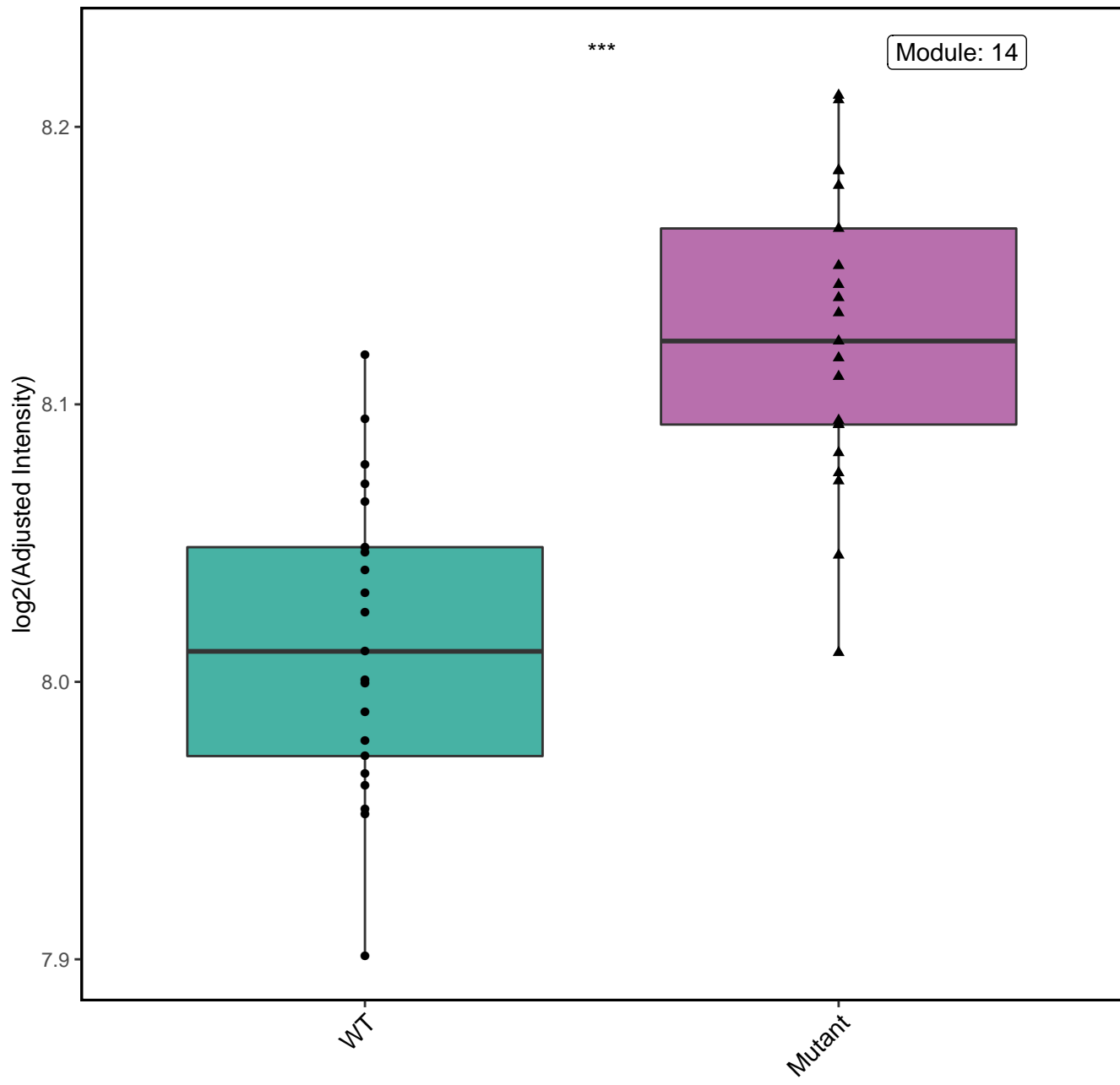


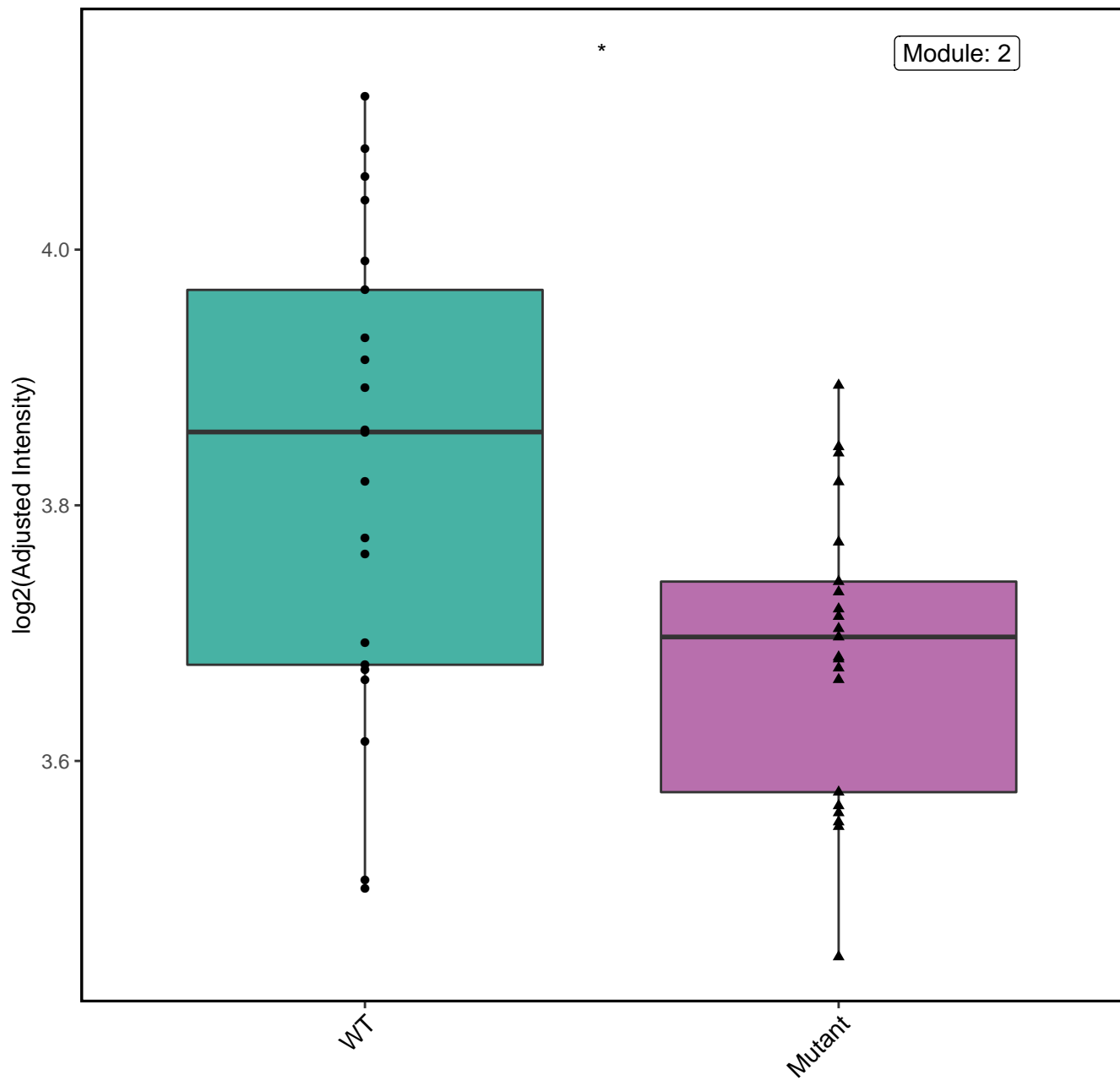


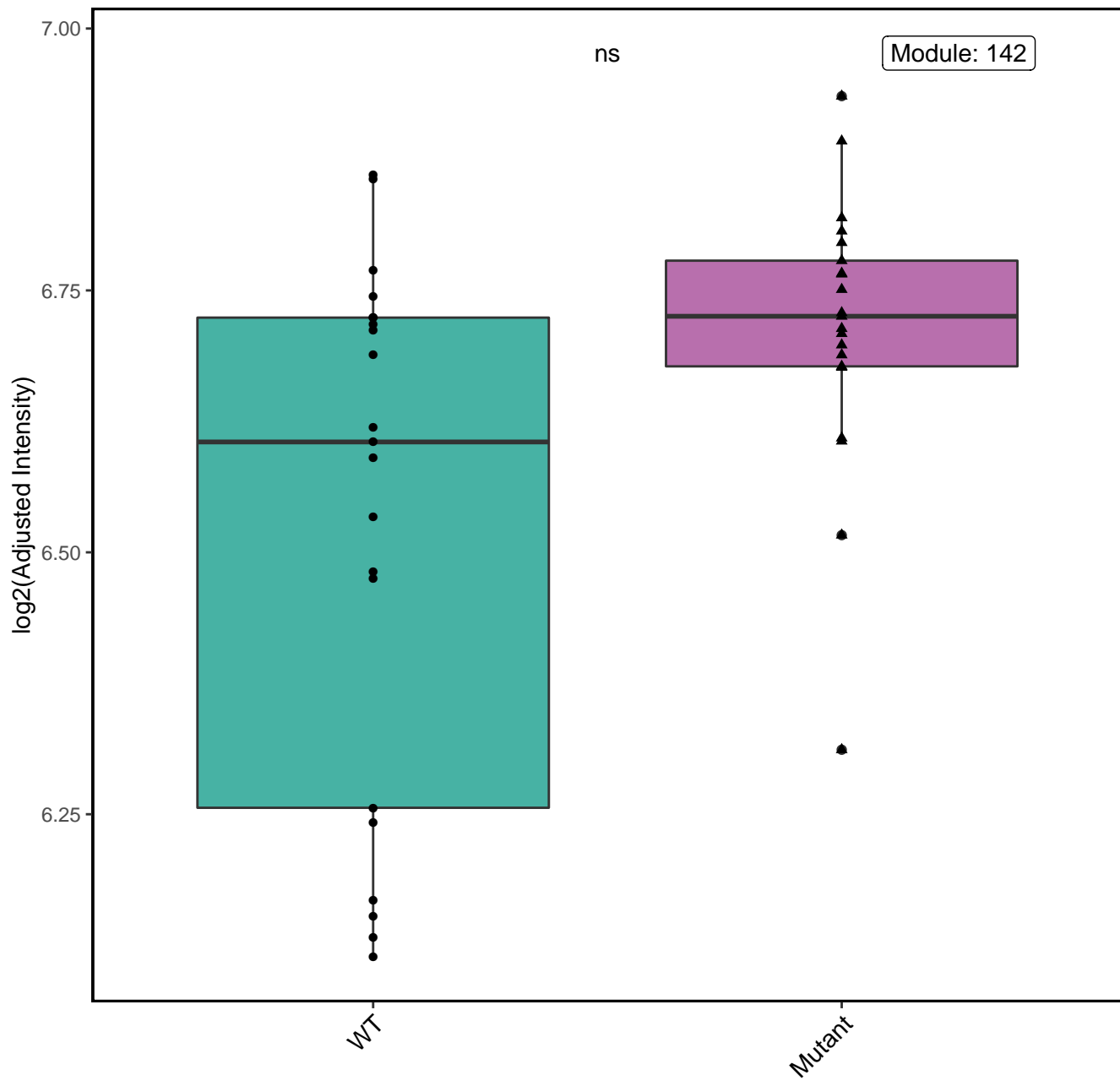


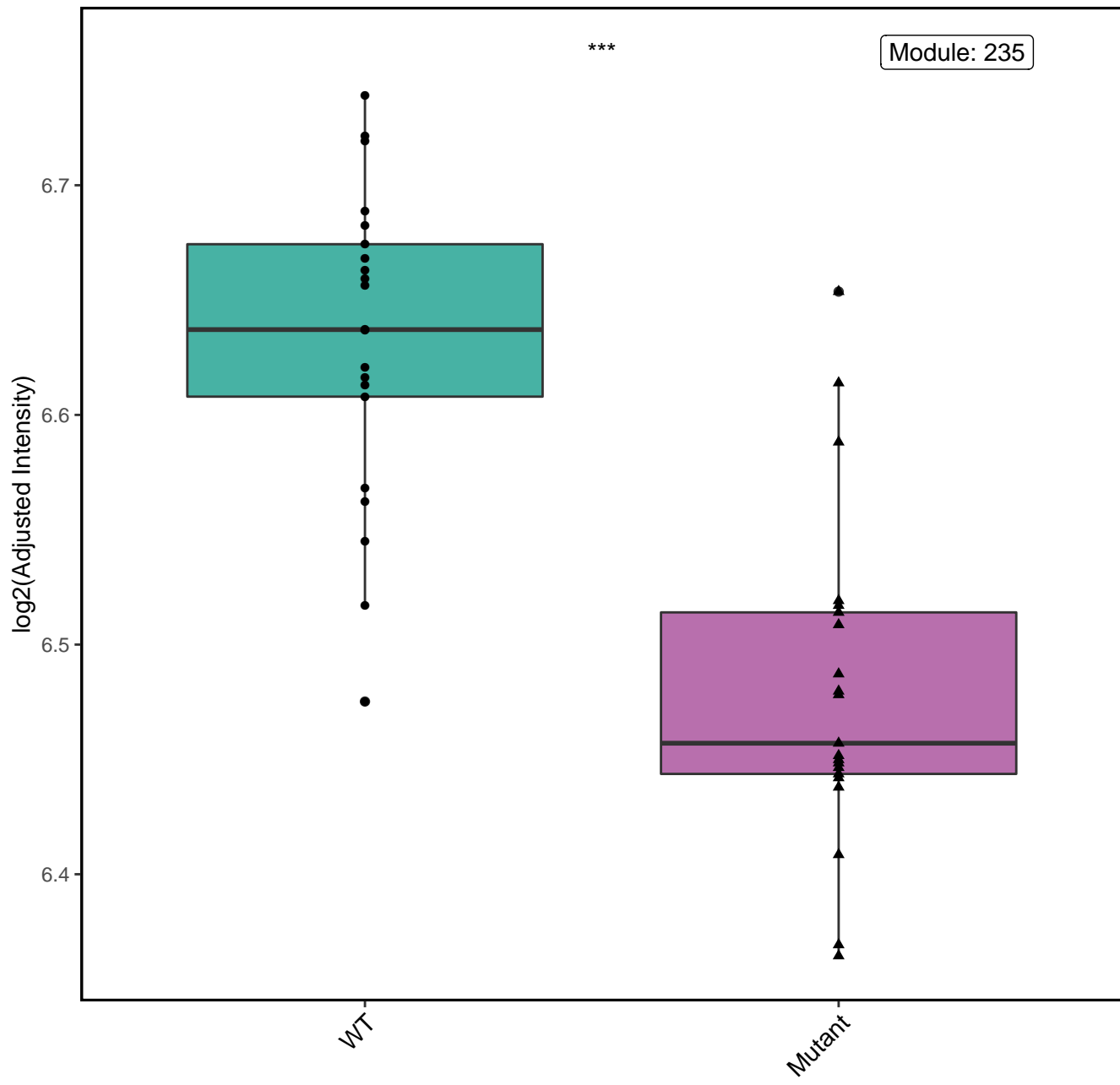


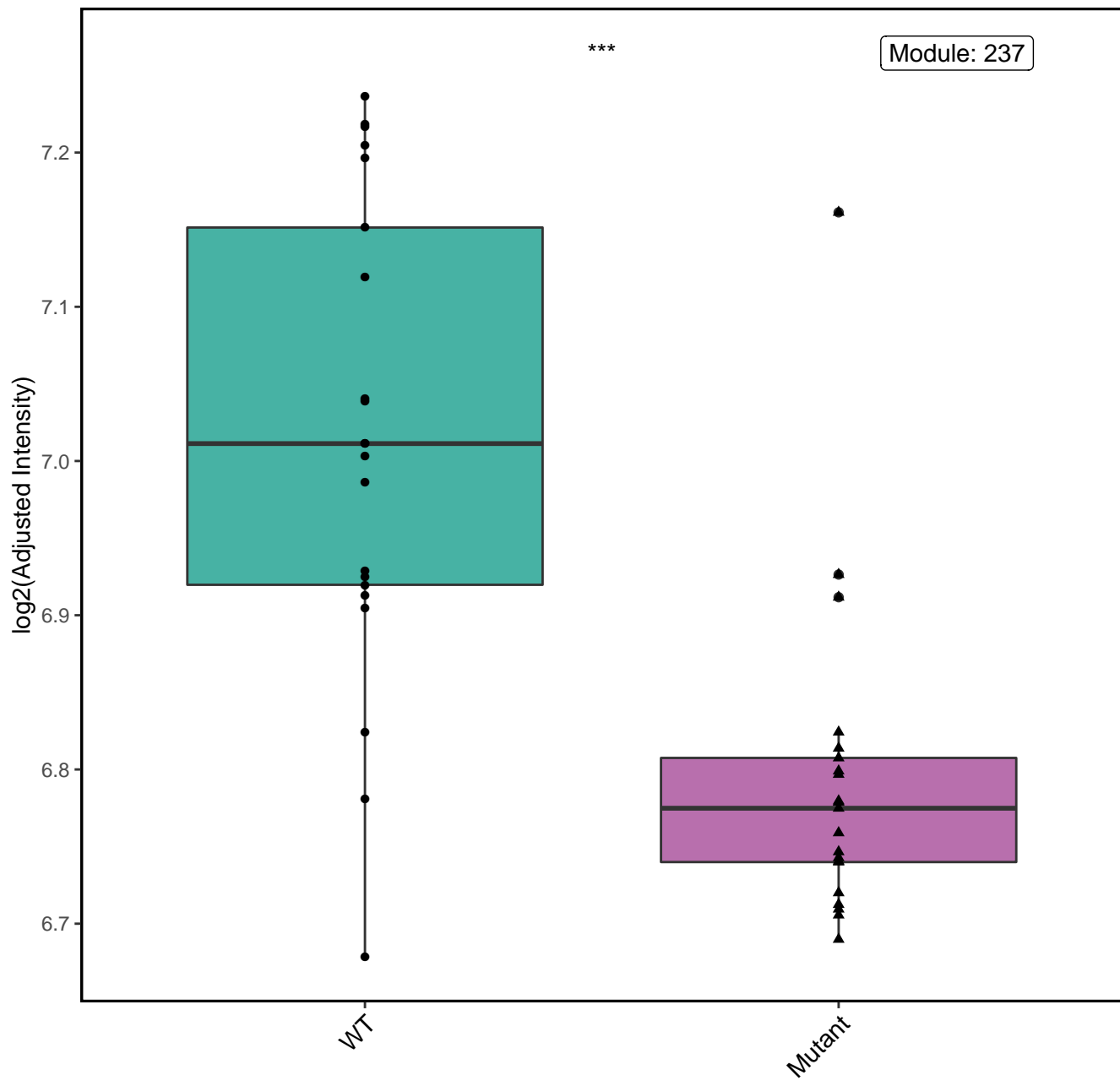




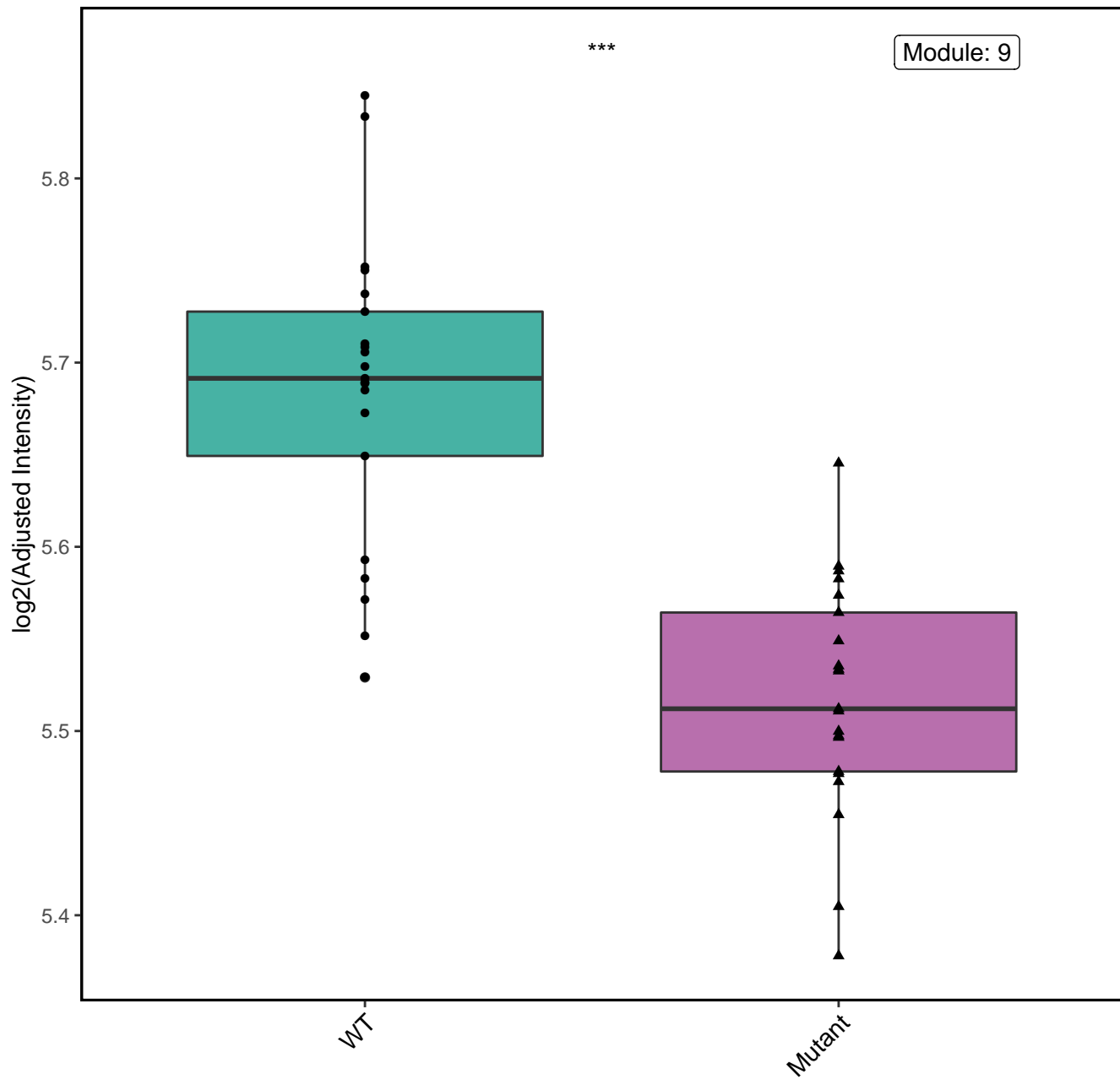


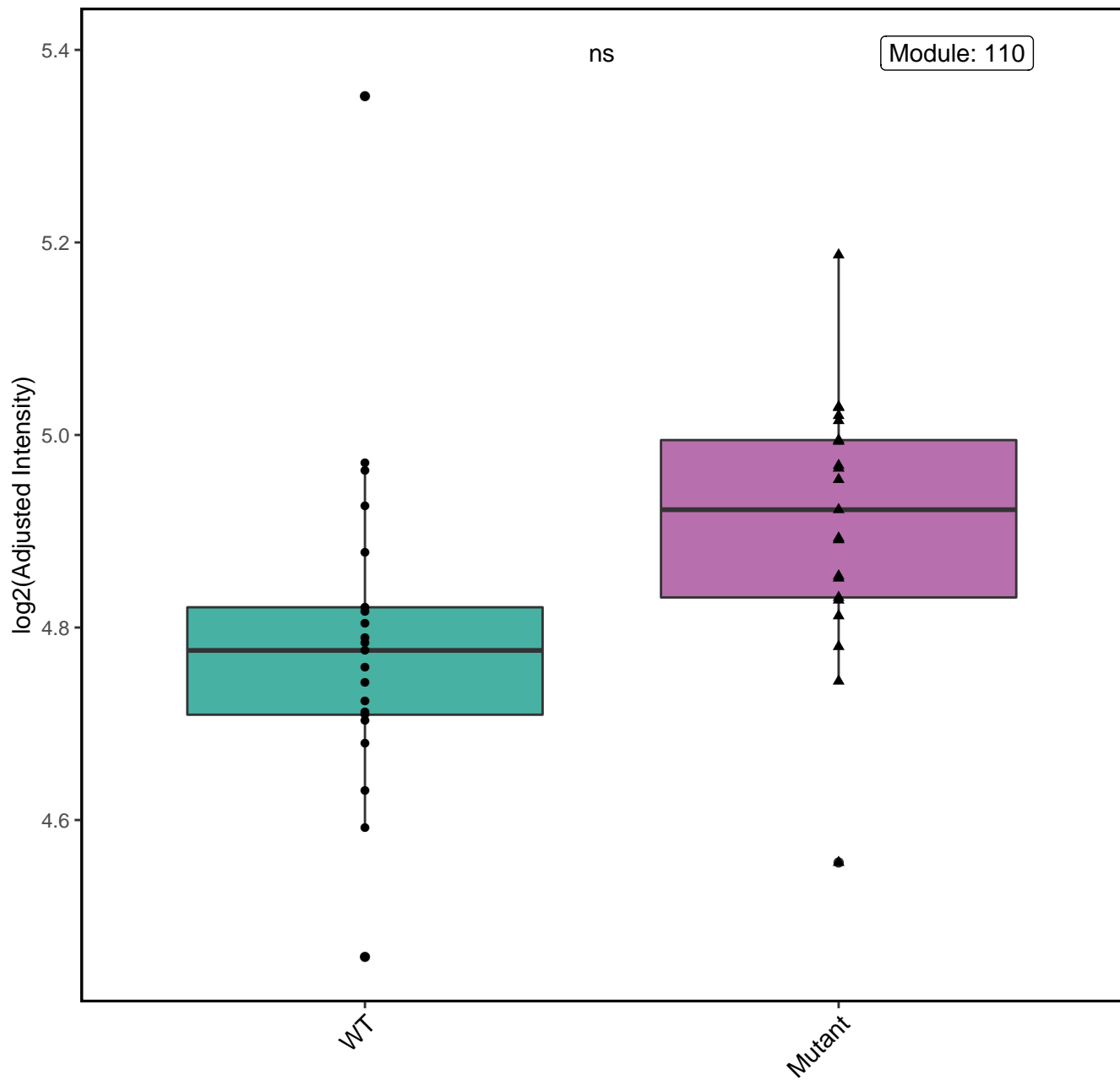


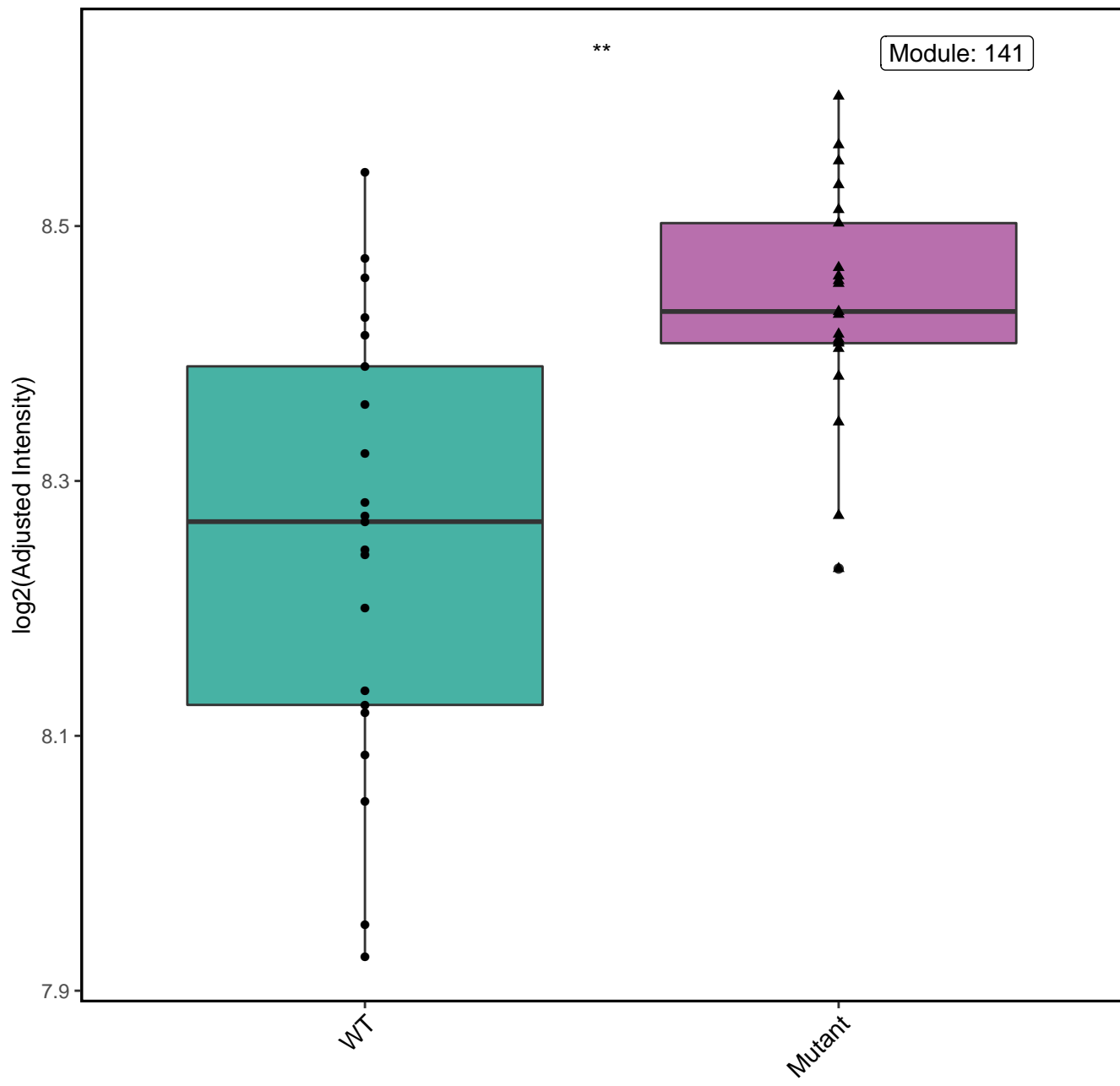


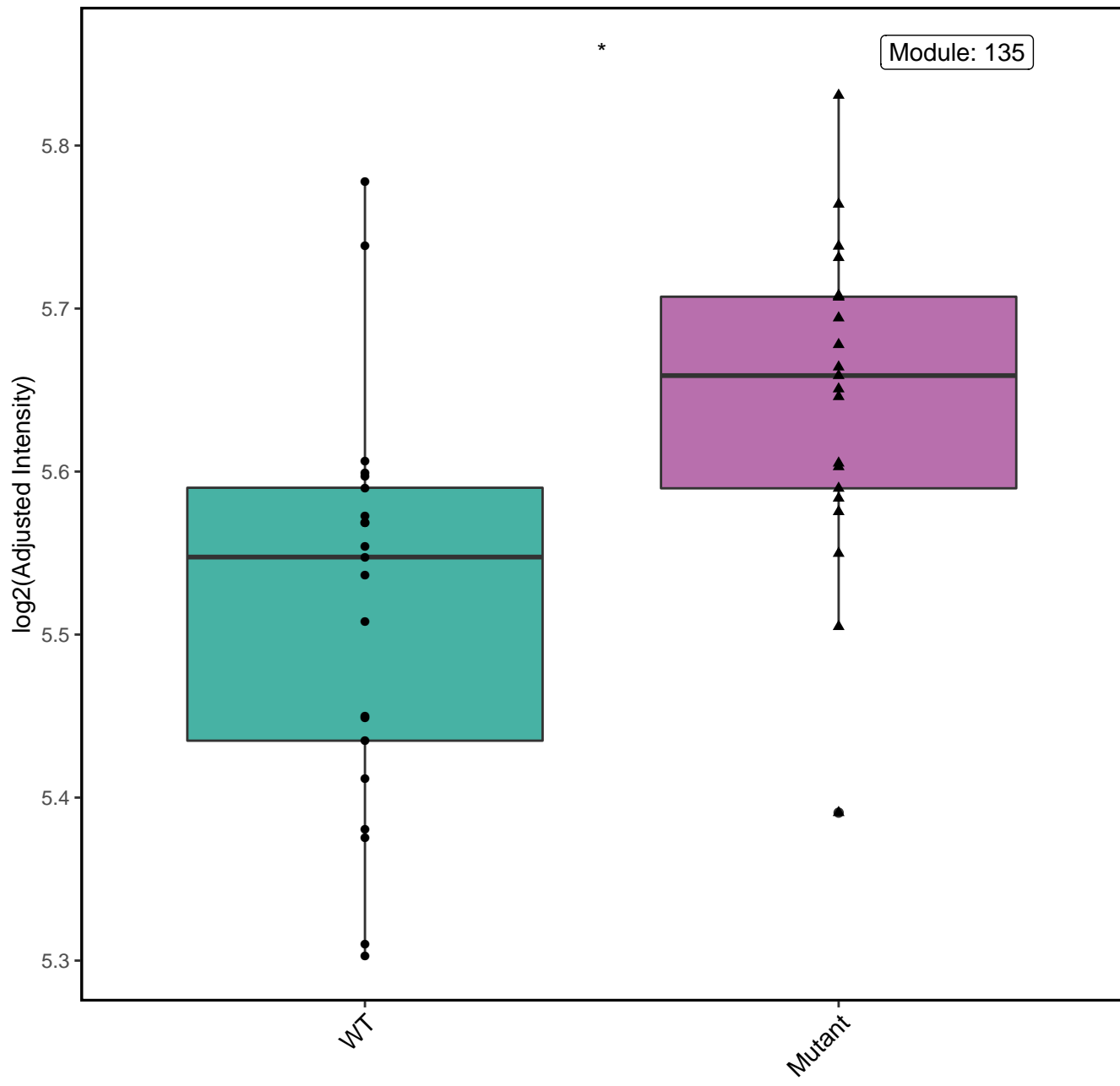










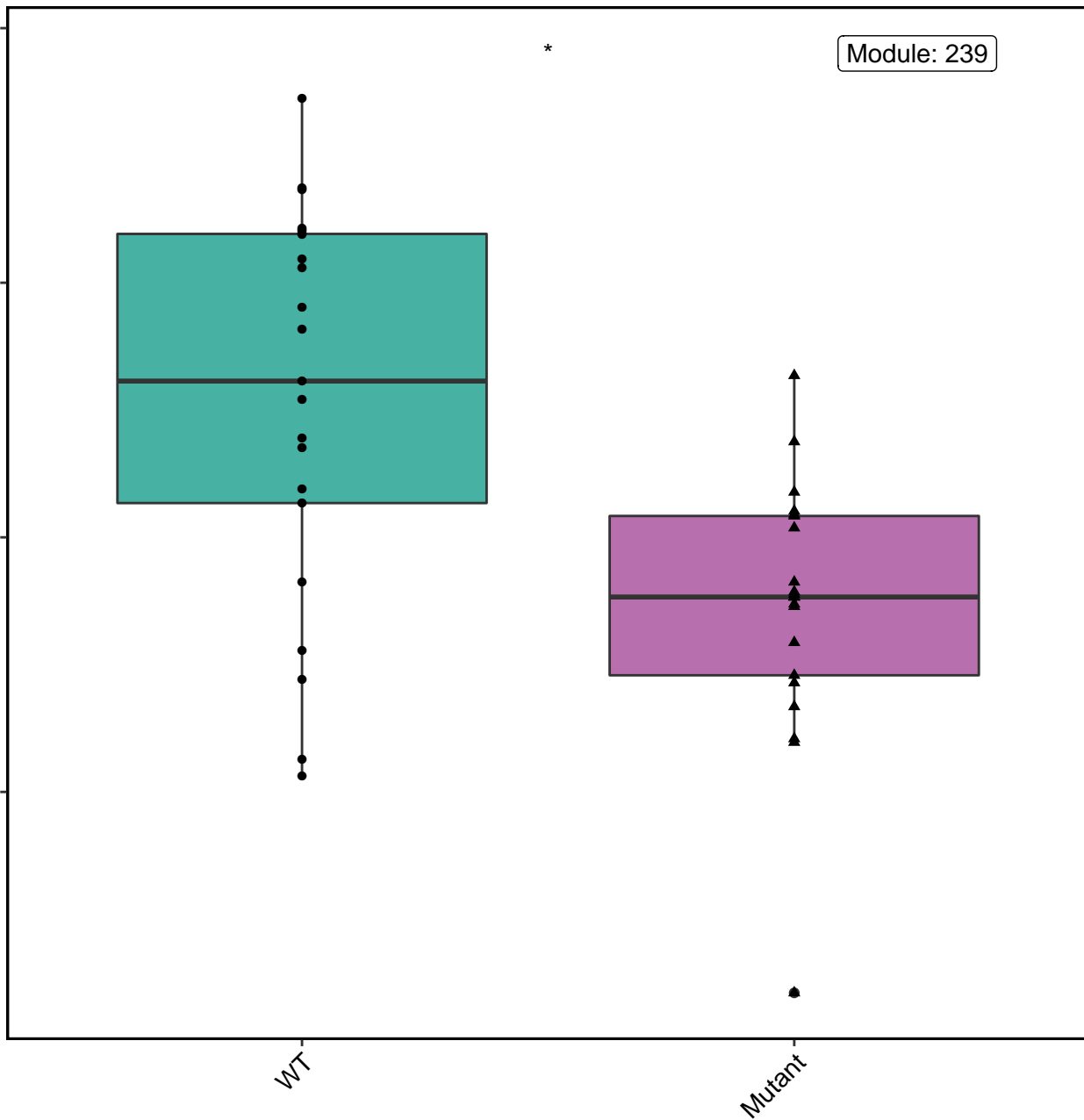


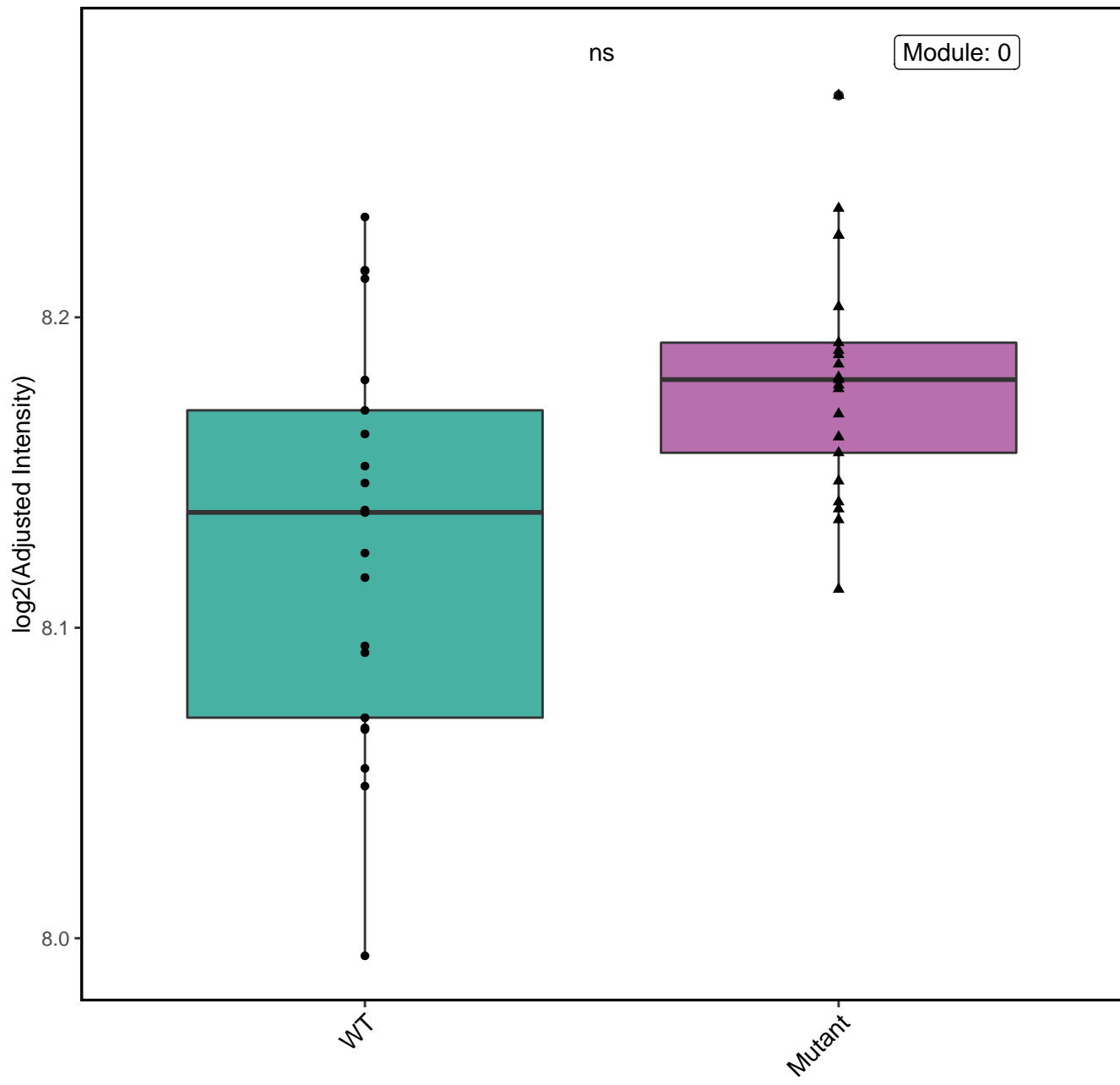
log2(Adjusted Intensity)

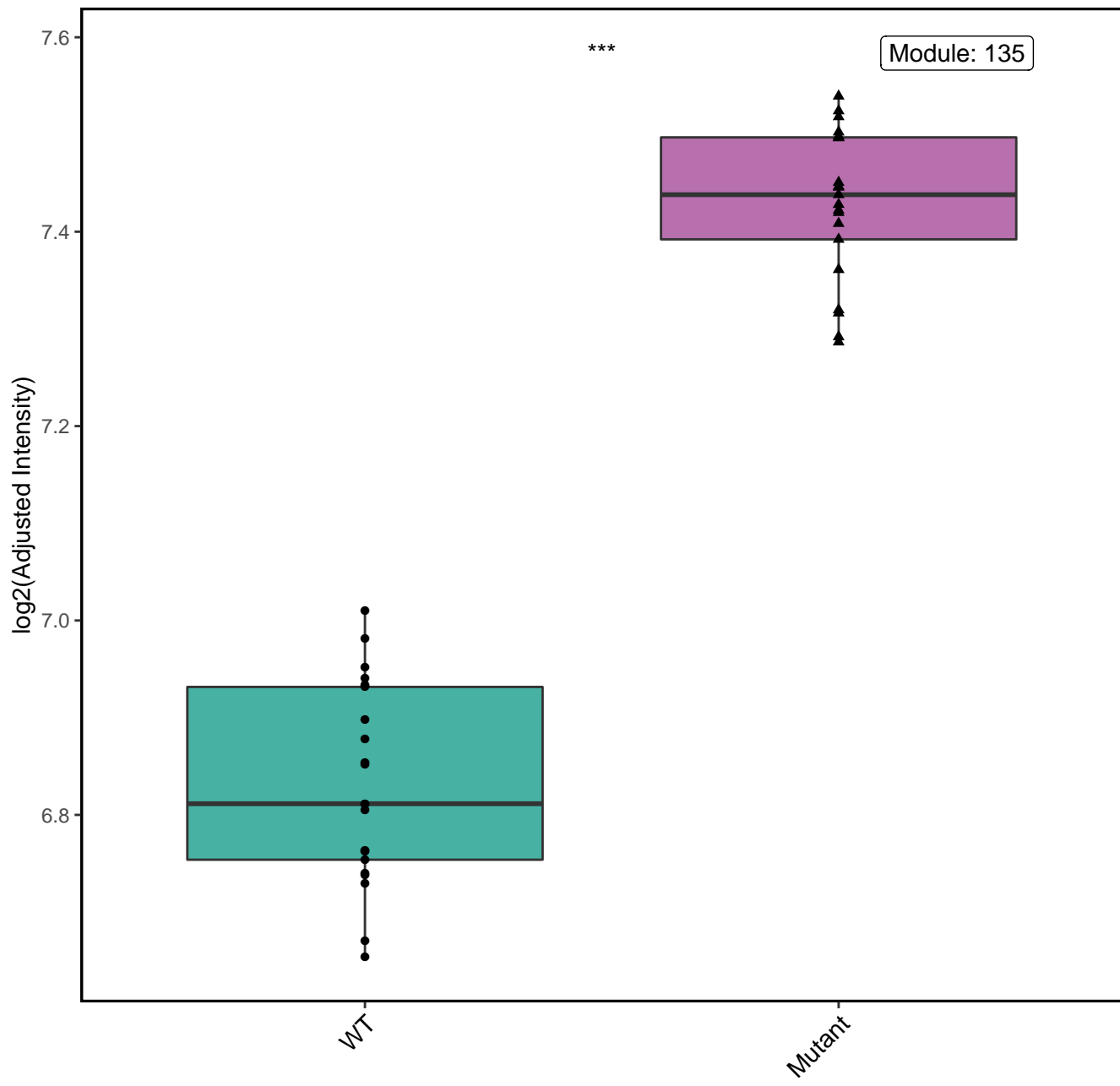
WT

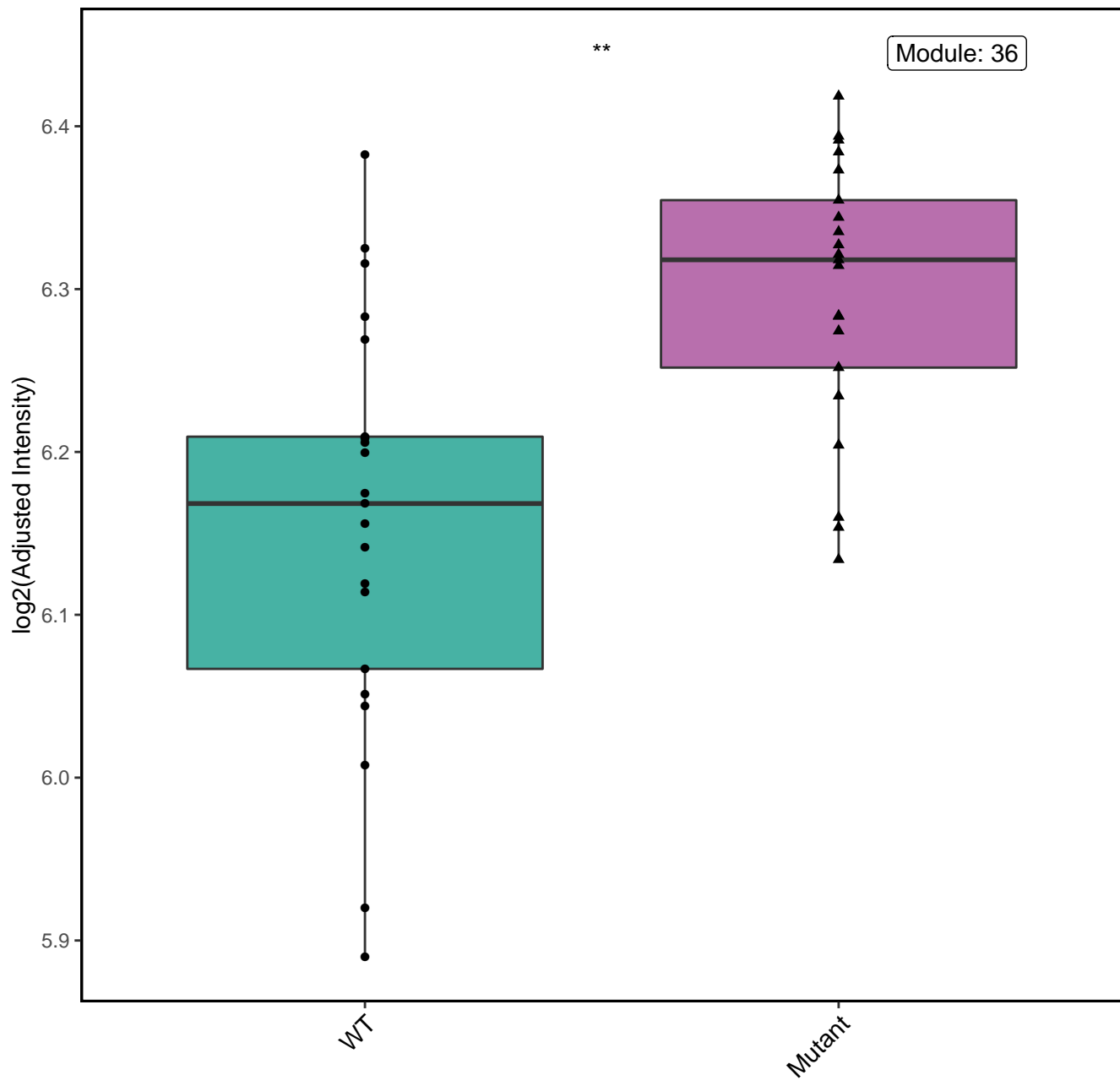
Mutant

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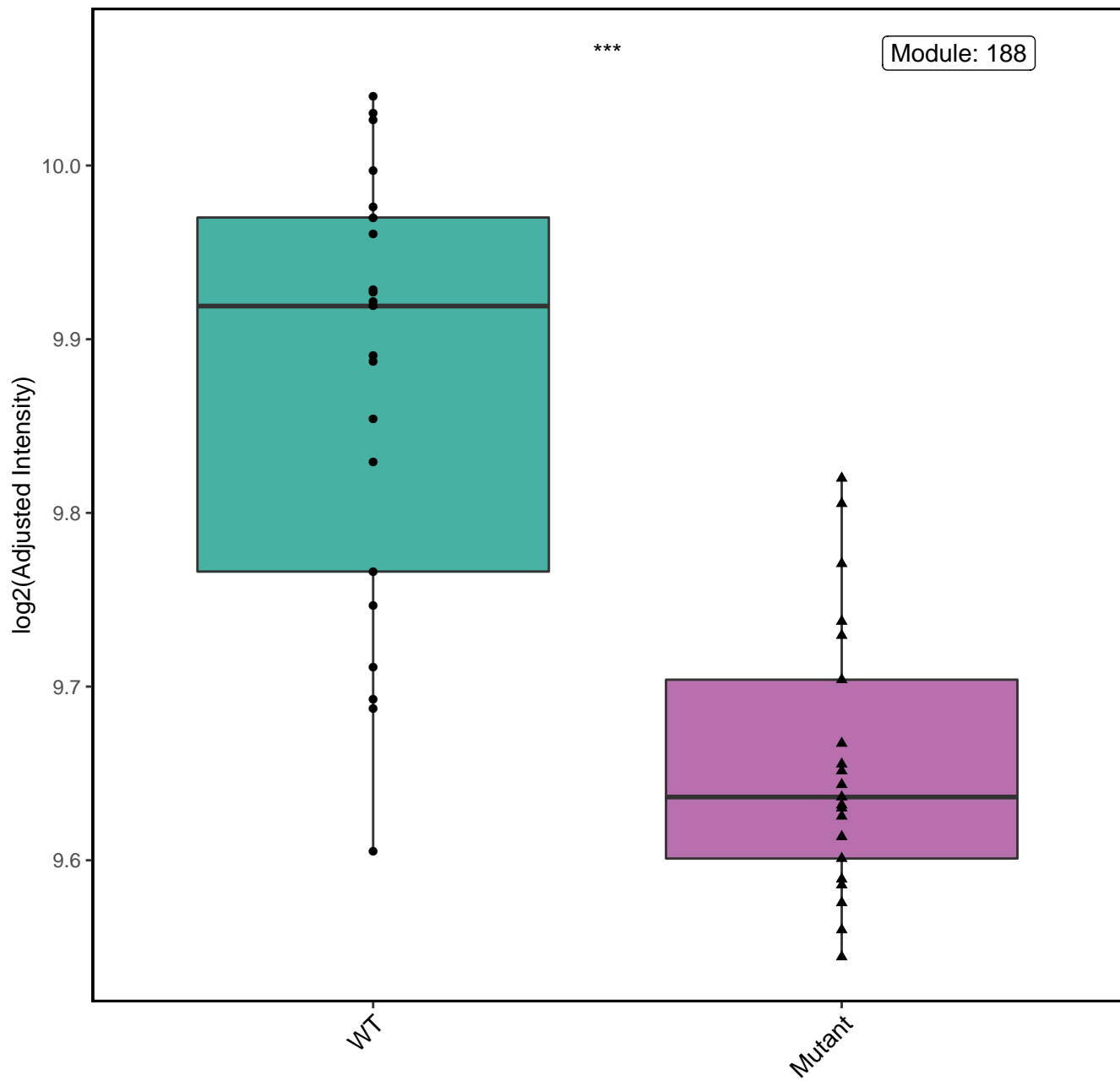
9.4  
9.3  
9.2  
9.1

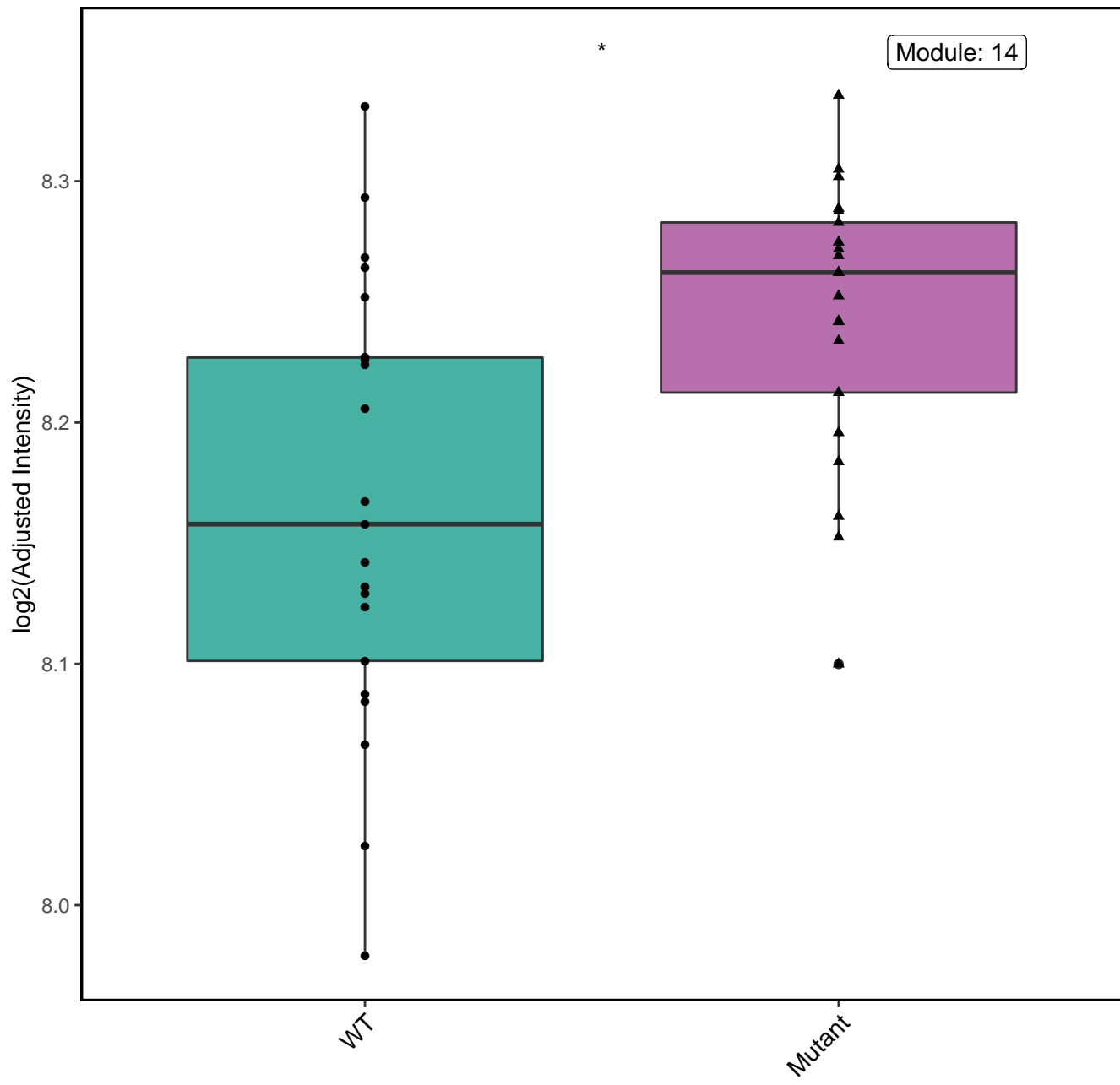


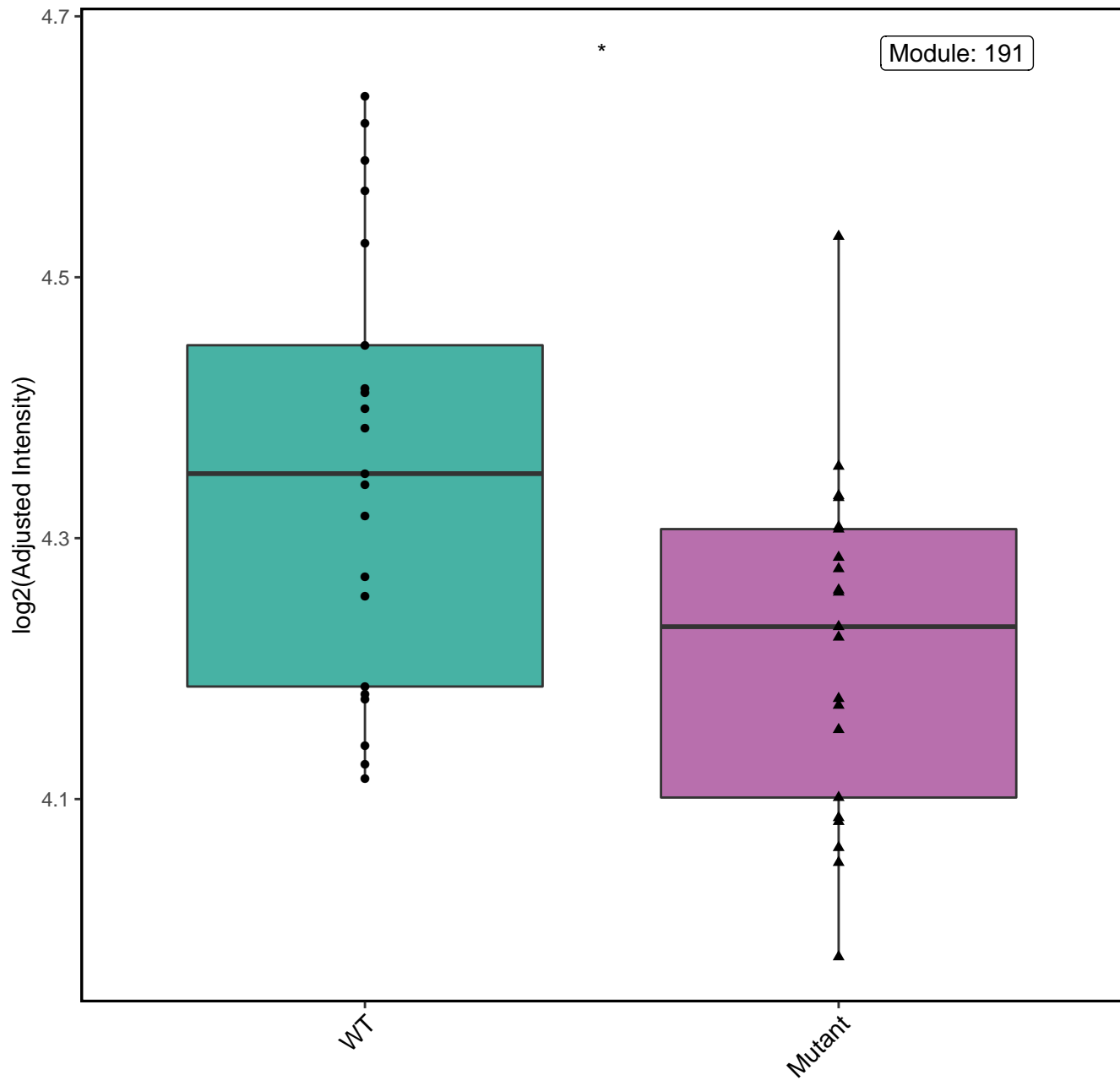


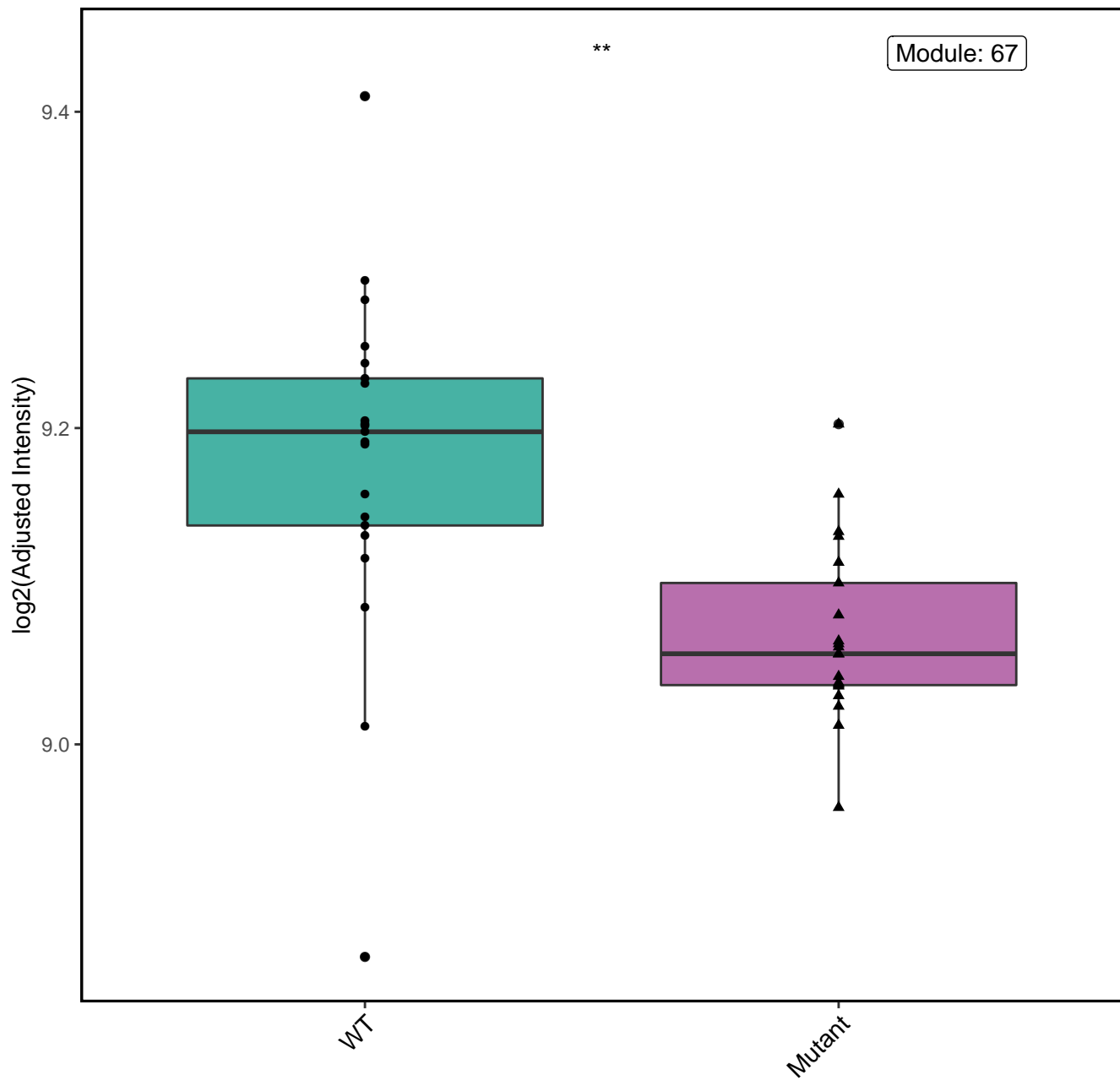


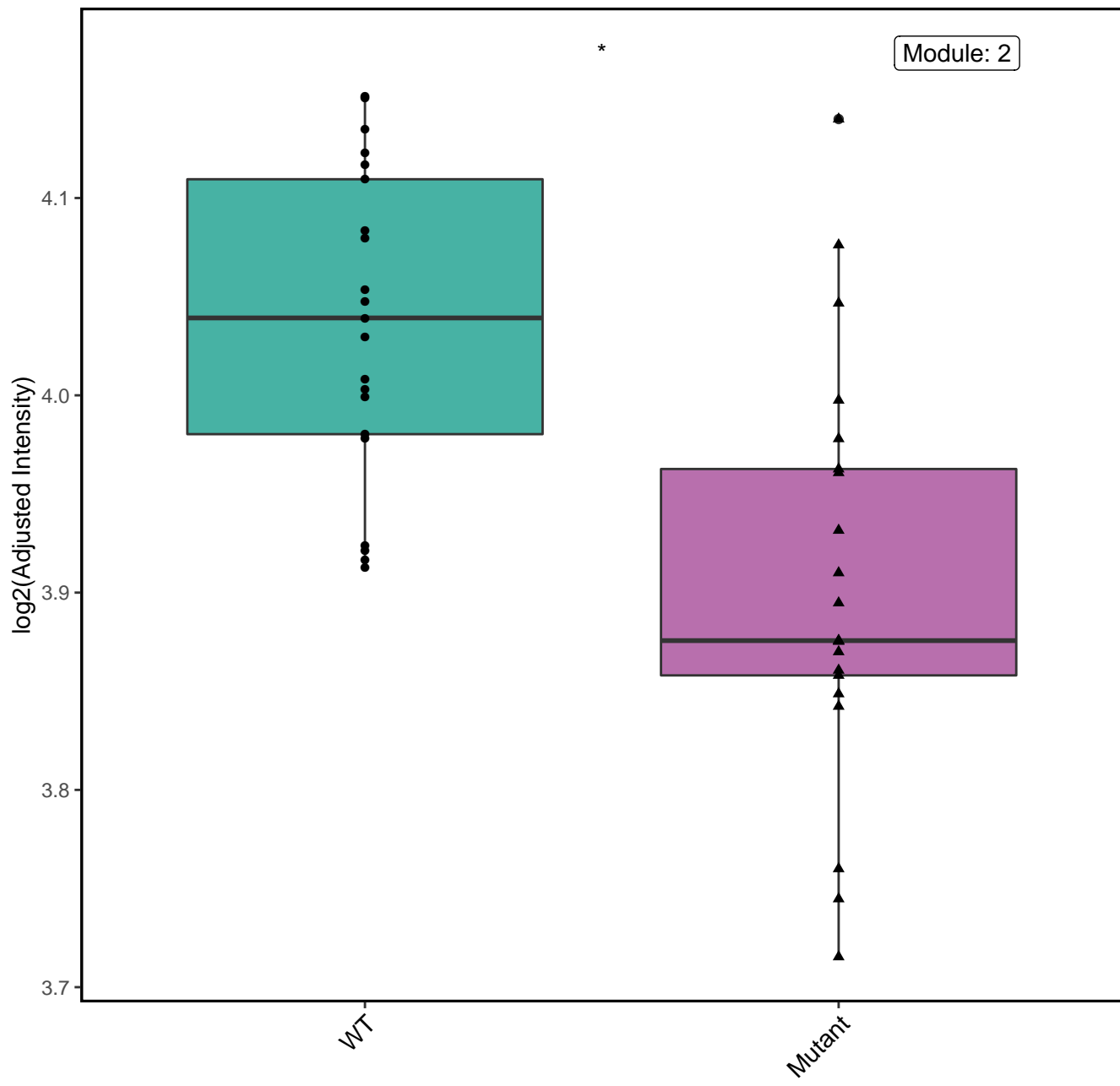


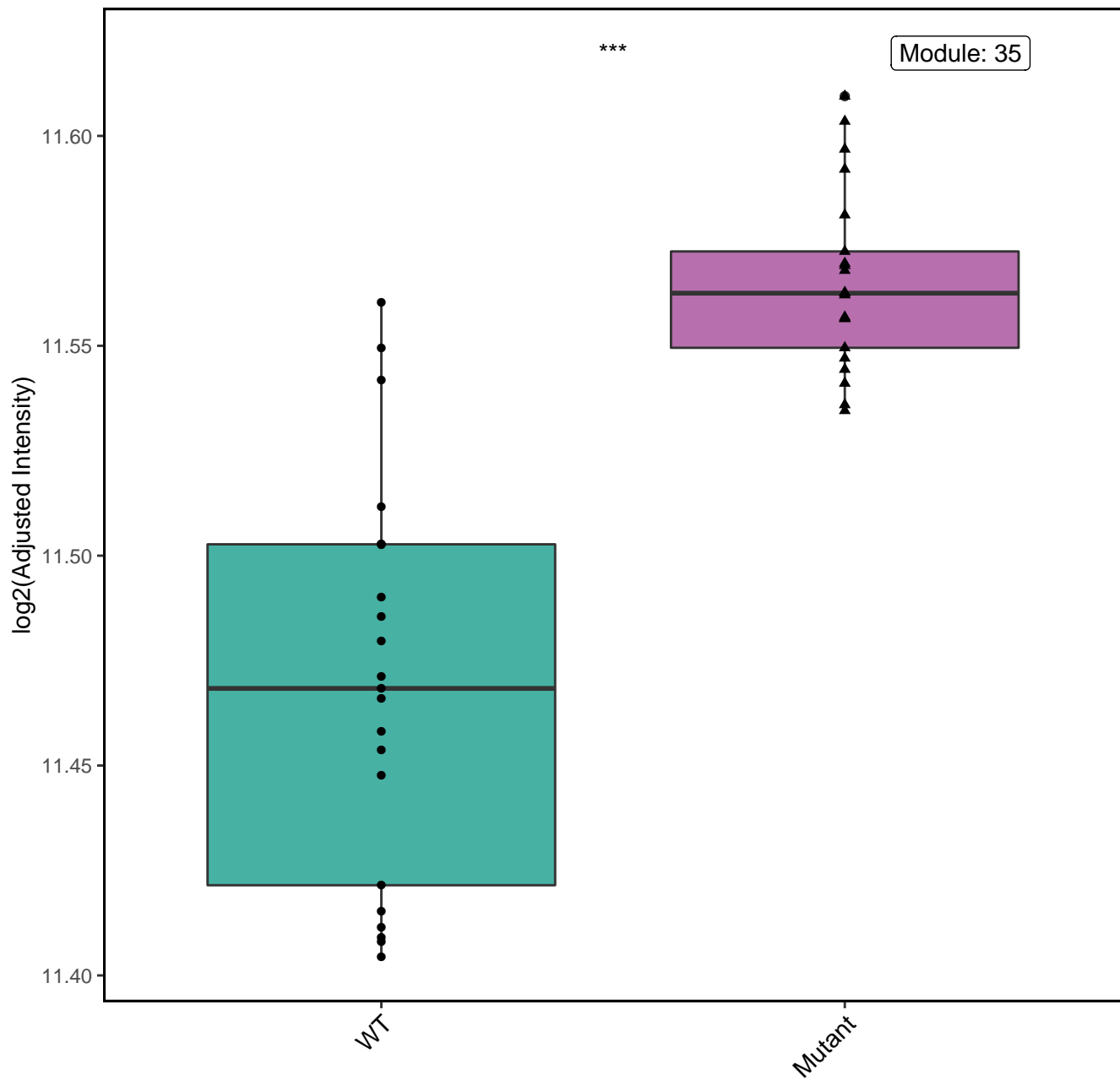


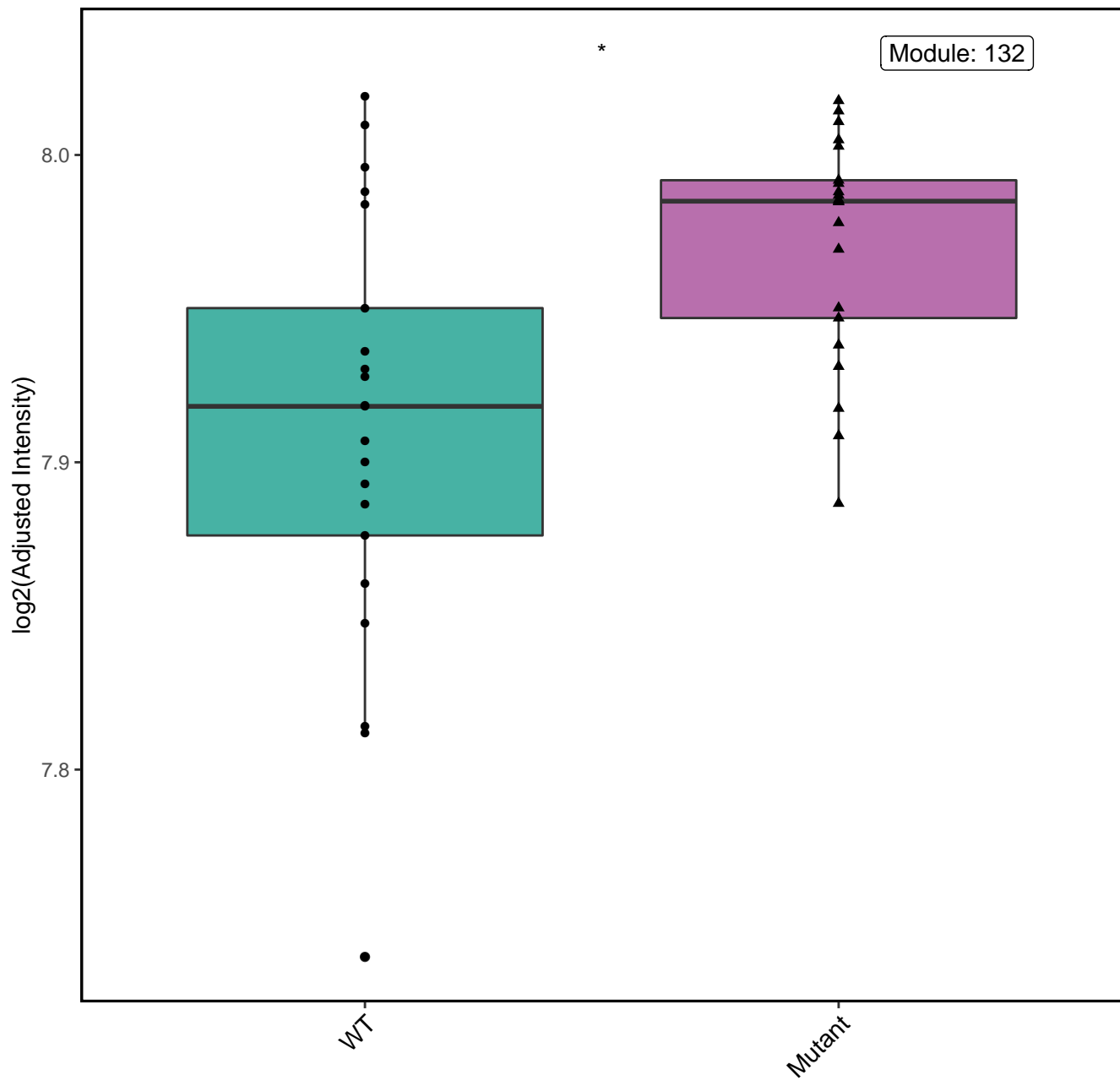












log2(Adjusted Intensity)

4.3

4.2

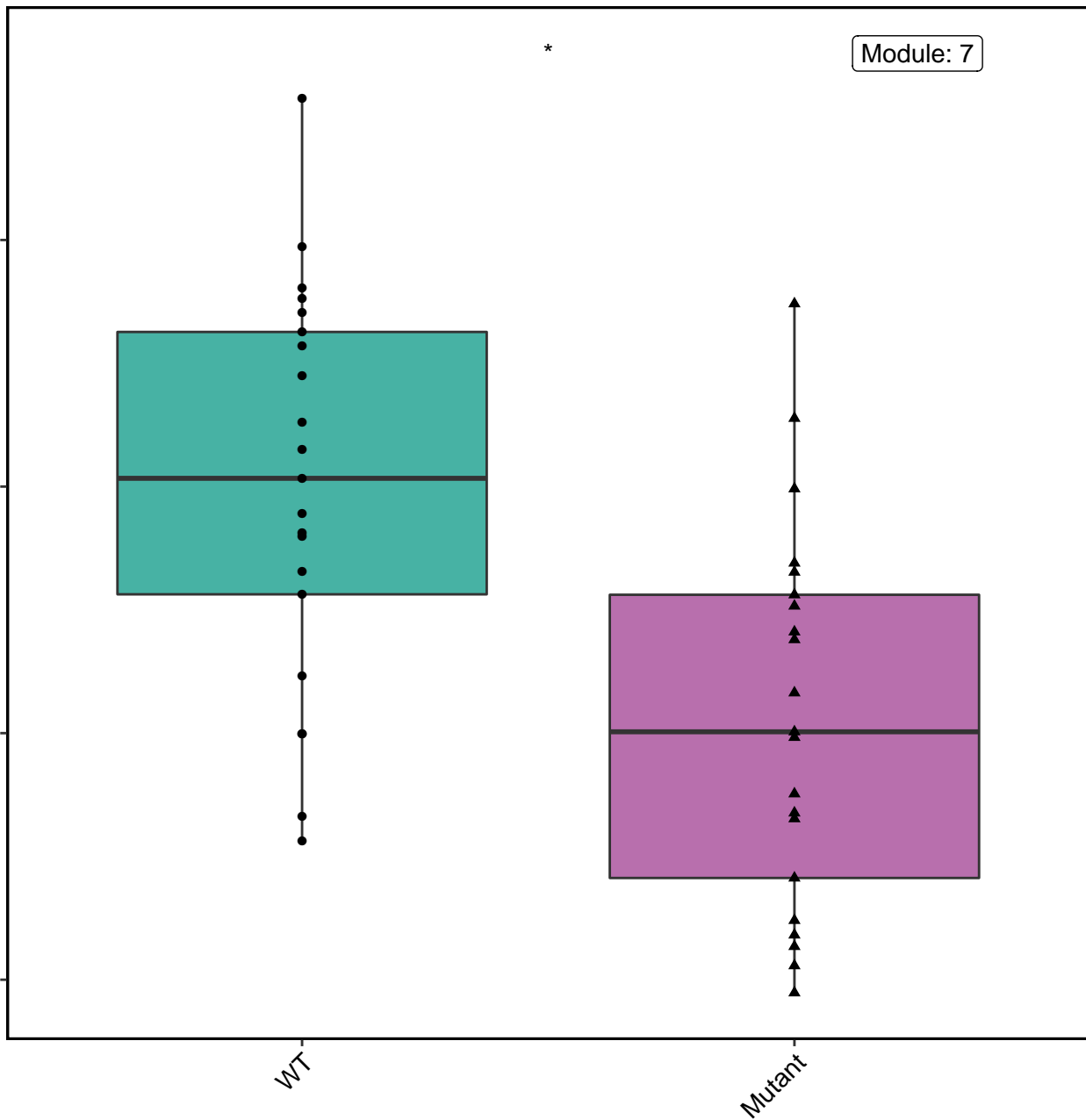
4.1

4.0

WT

Mutant

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log2(Adjusted Intensity)

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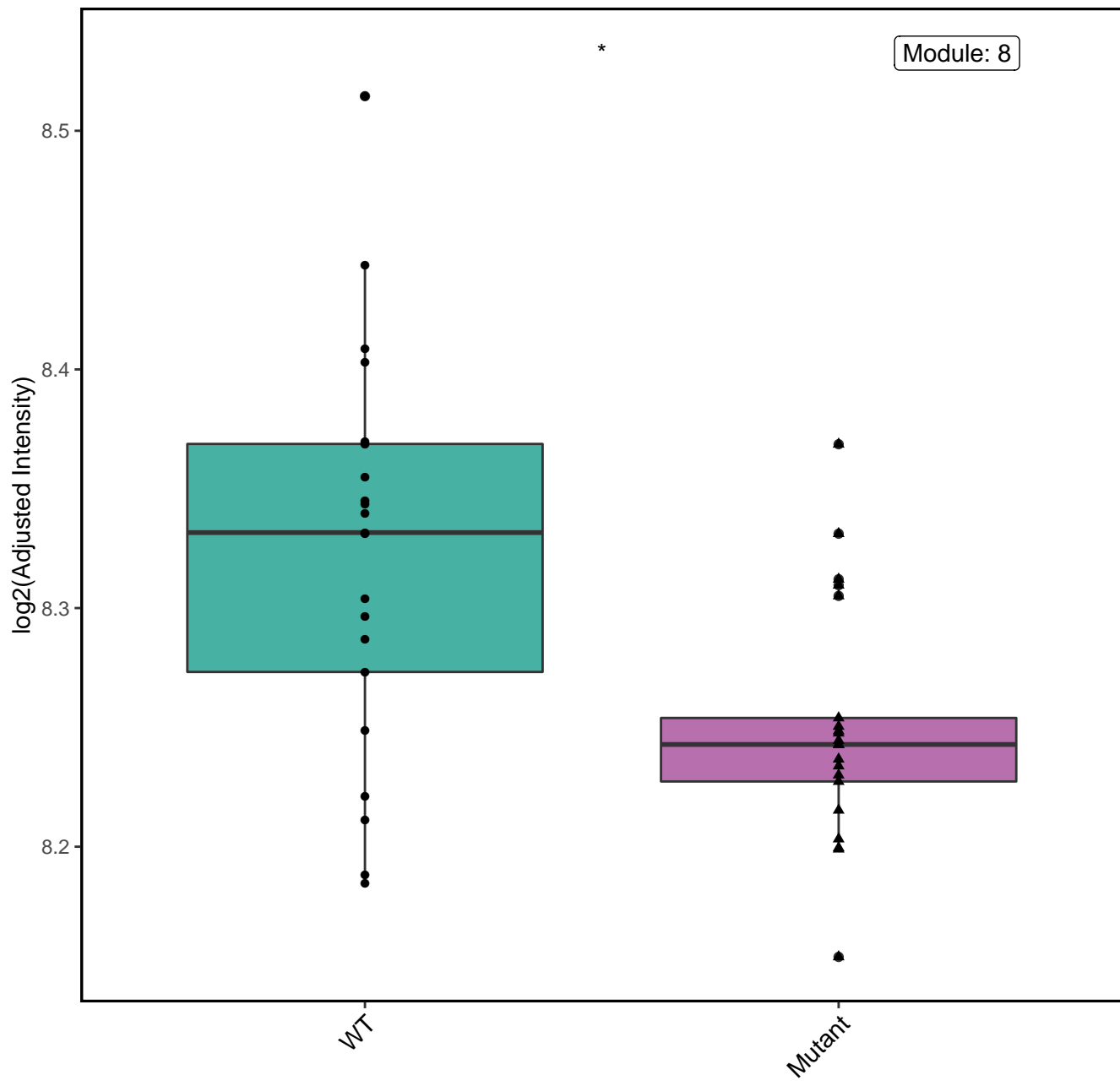
WT

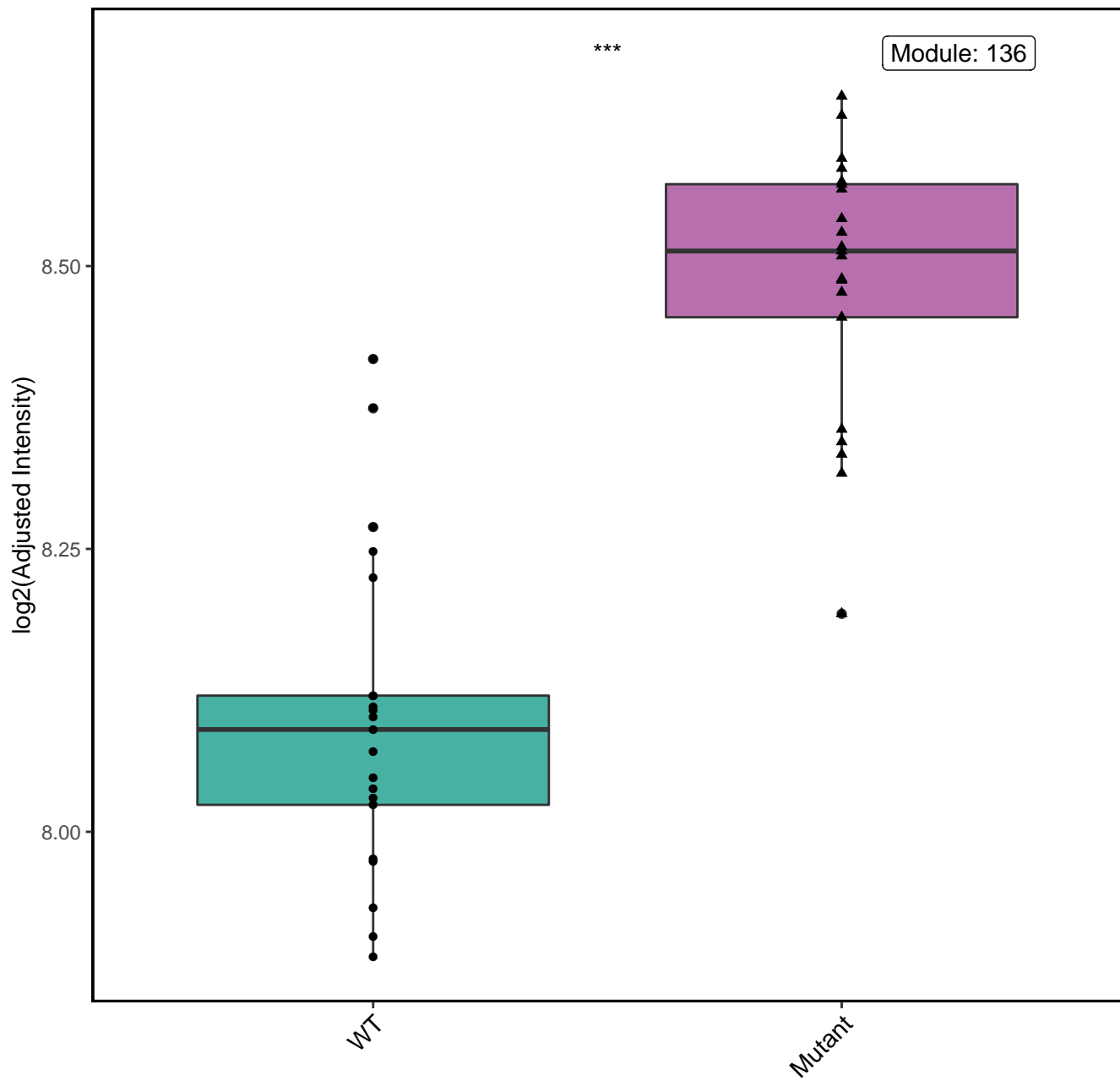
Mutant

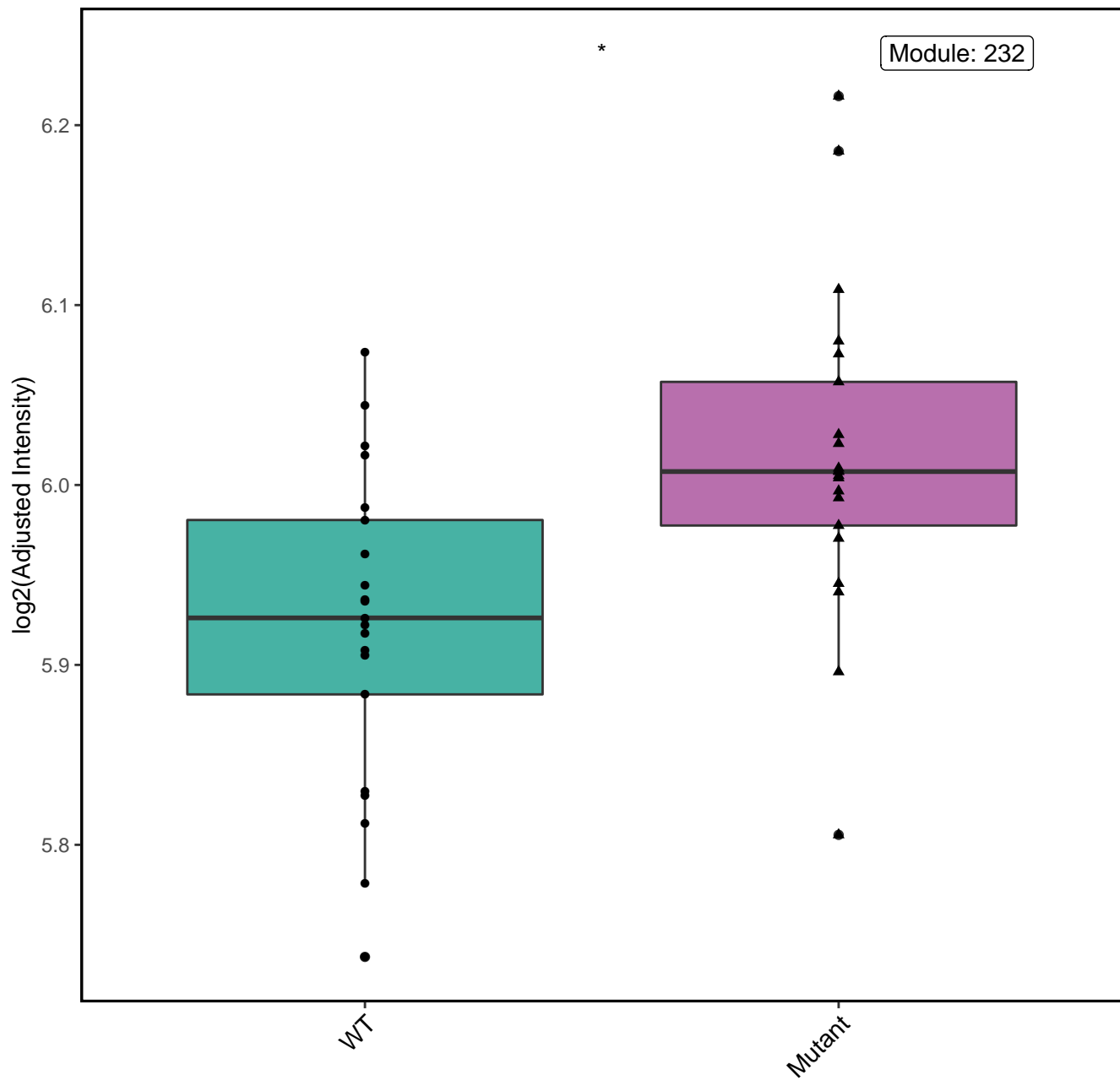
8.9

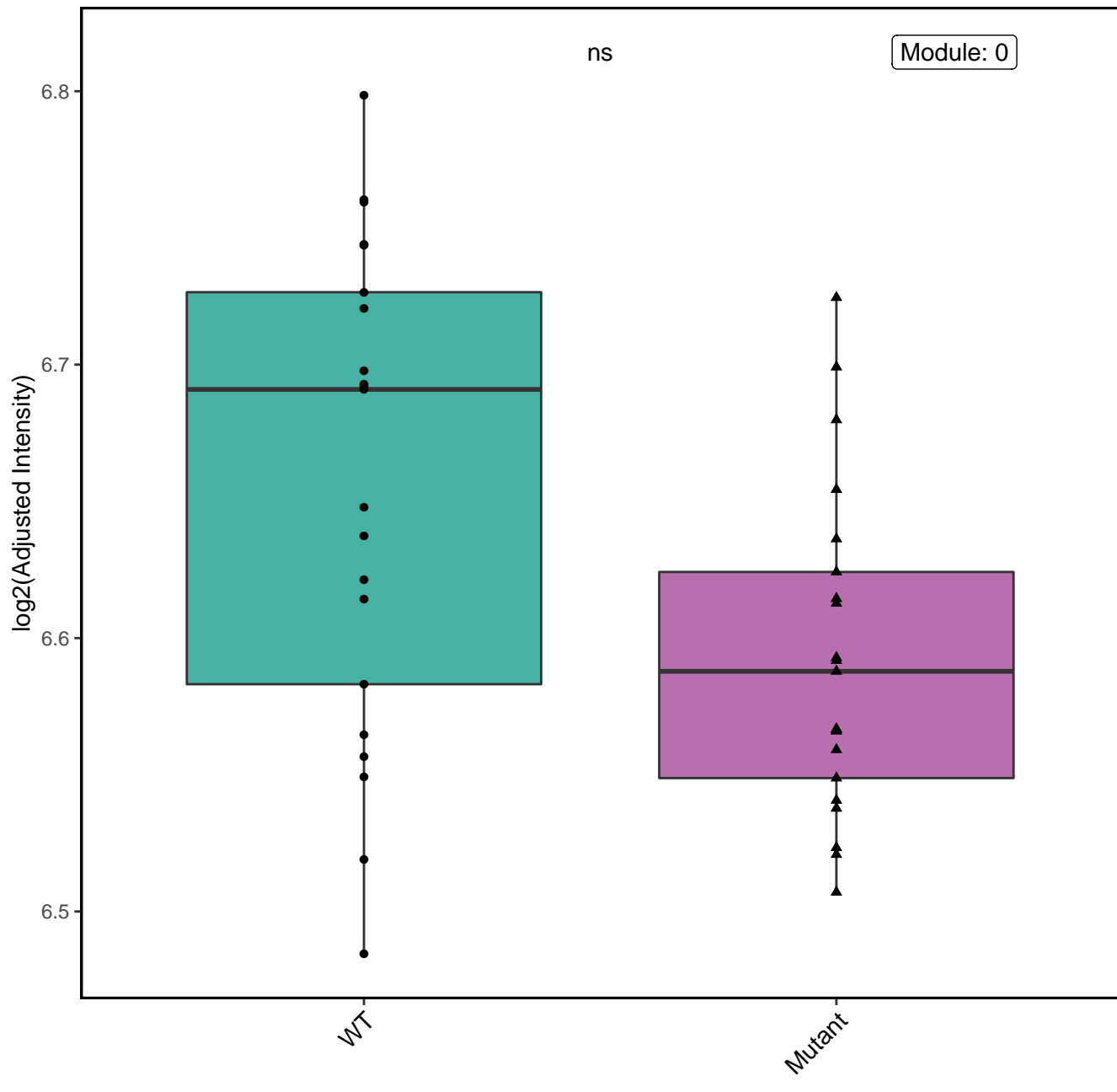
8.8

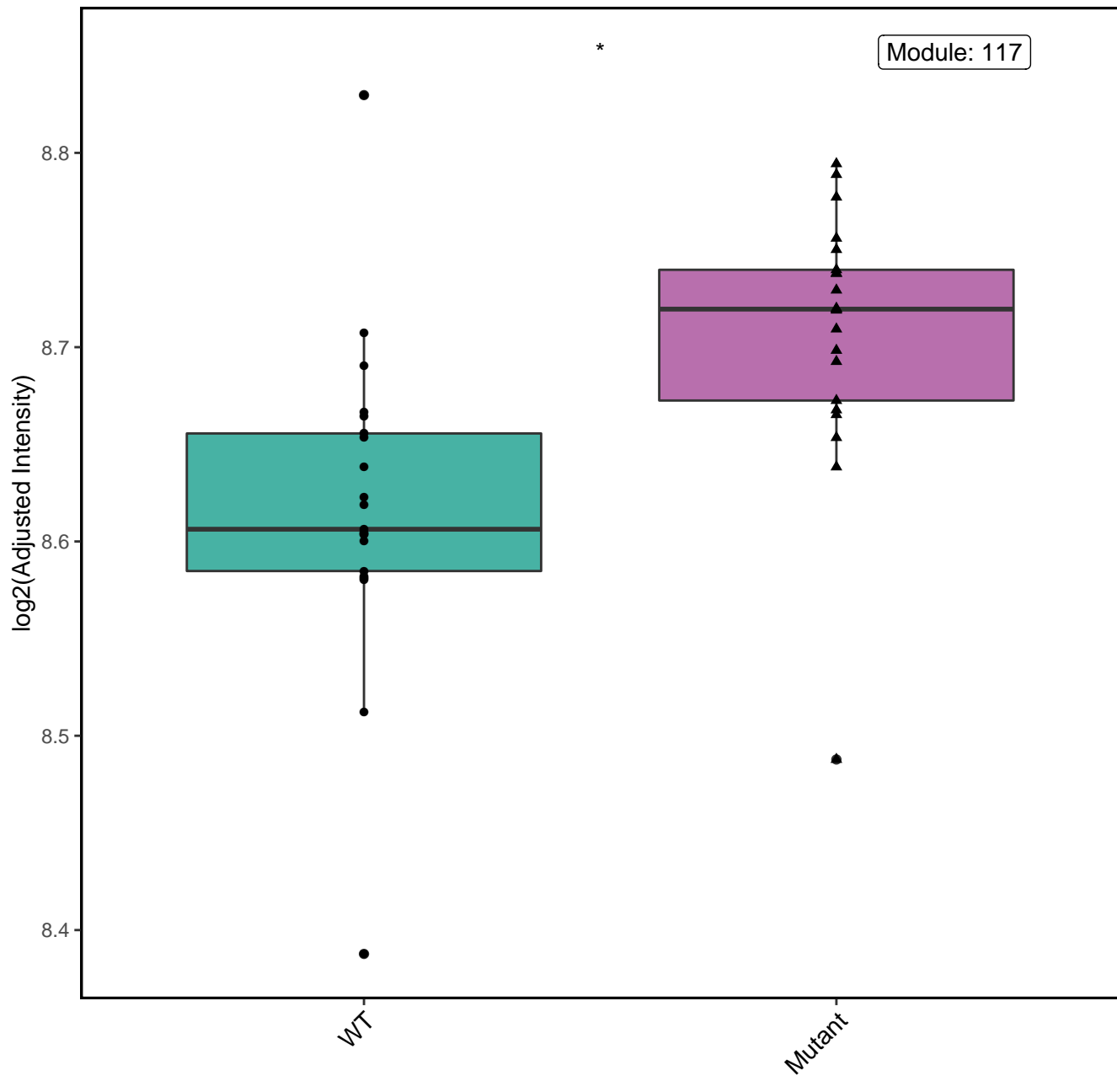
8.7

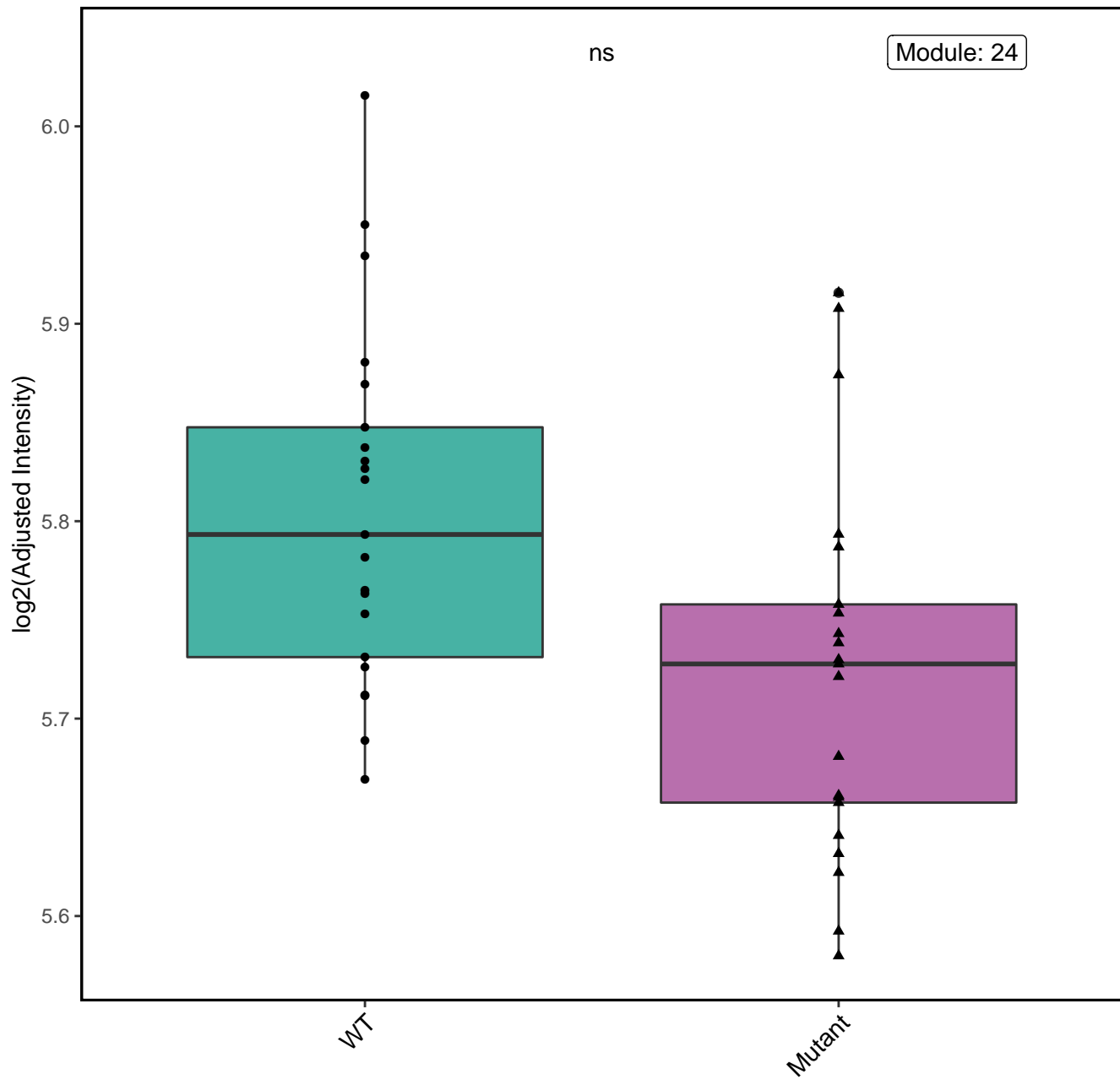


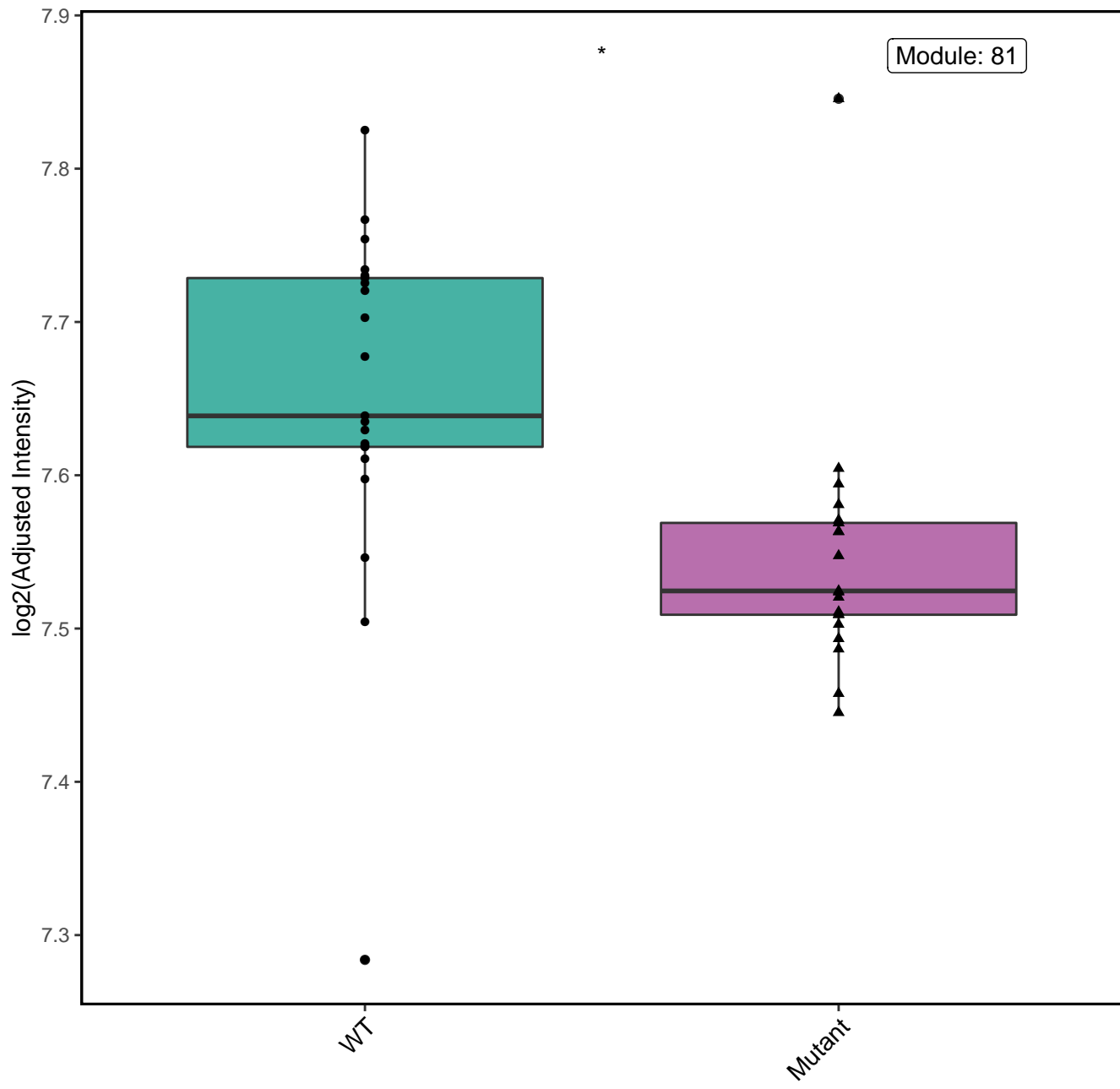




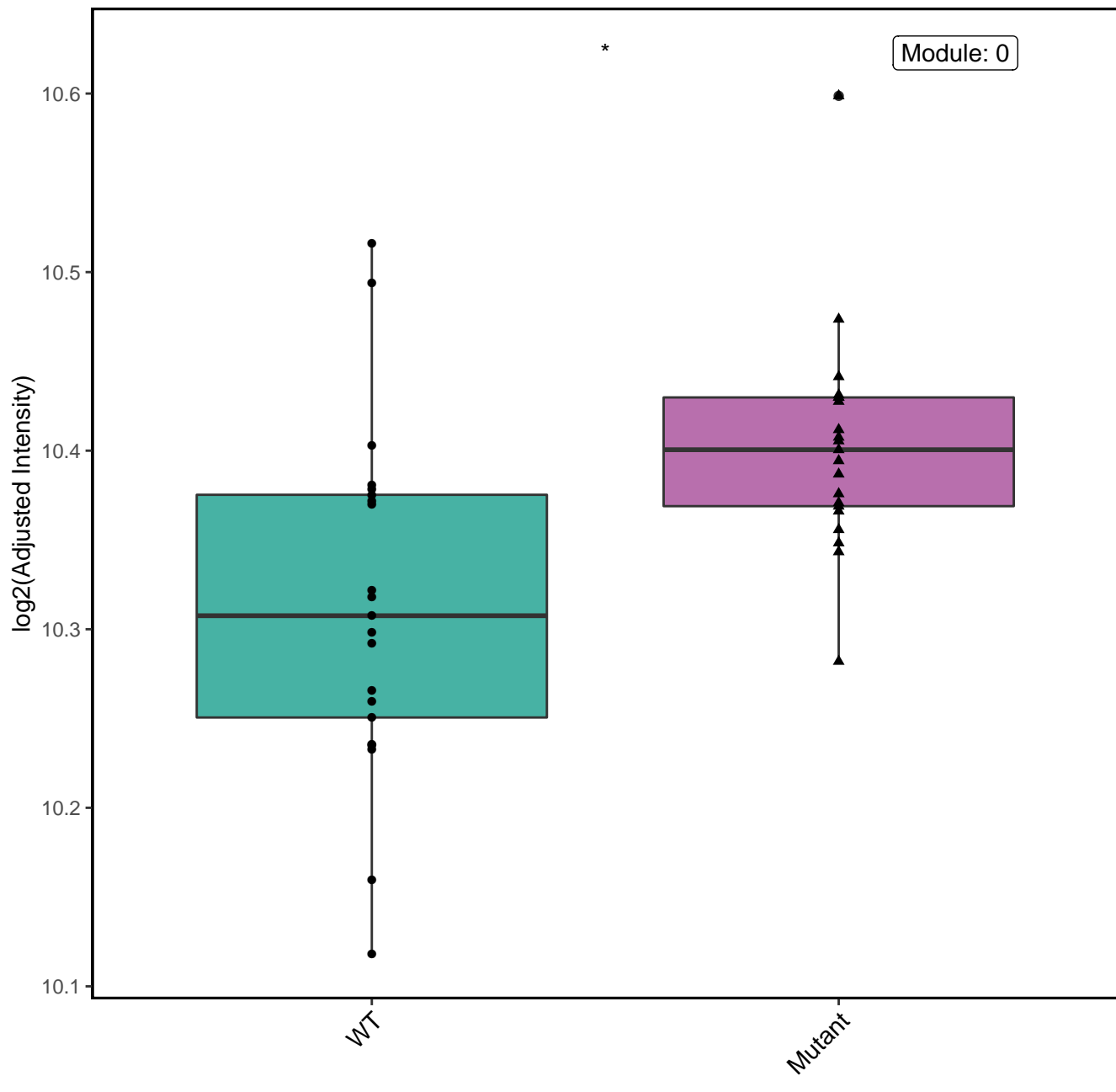


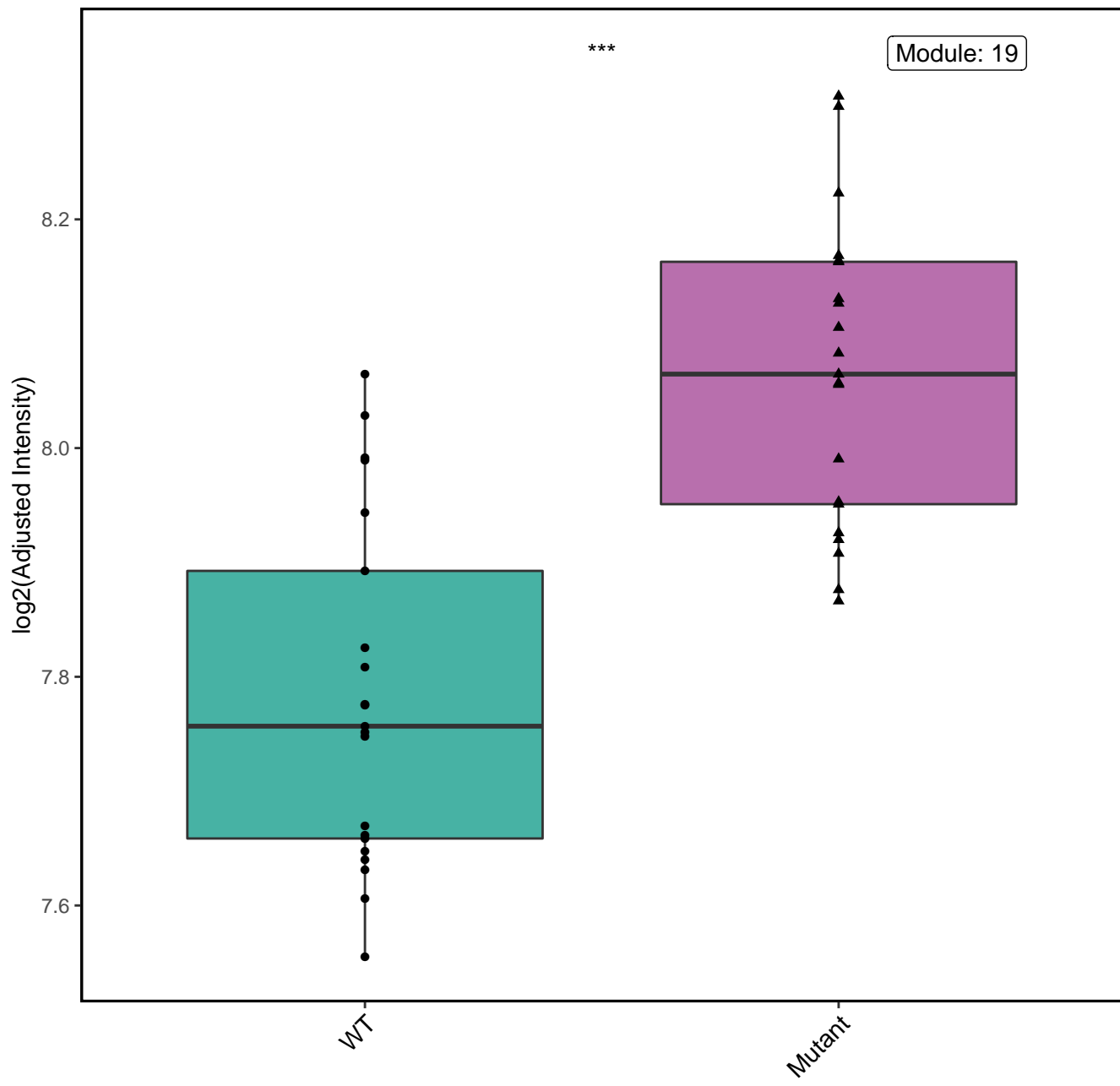










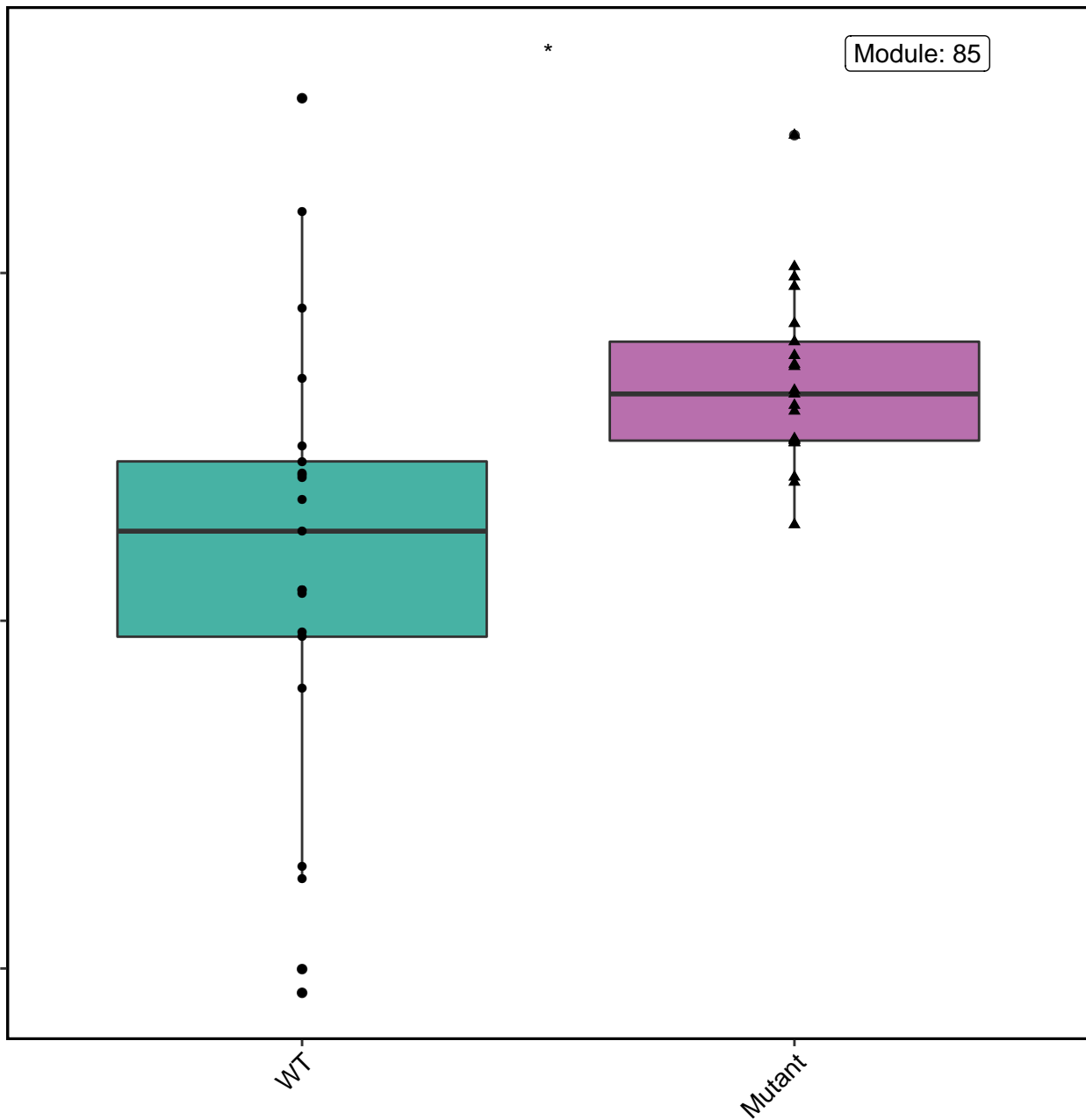


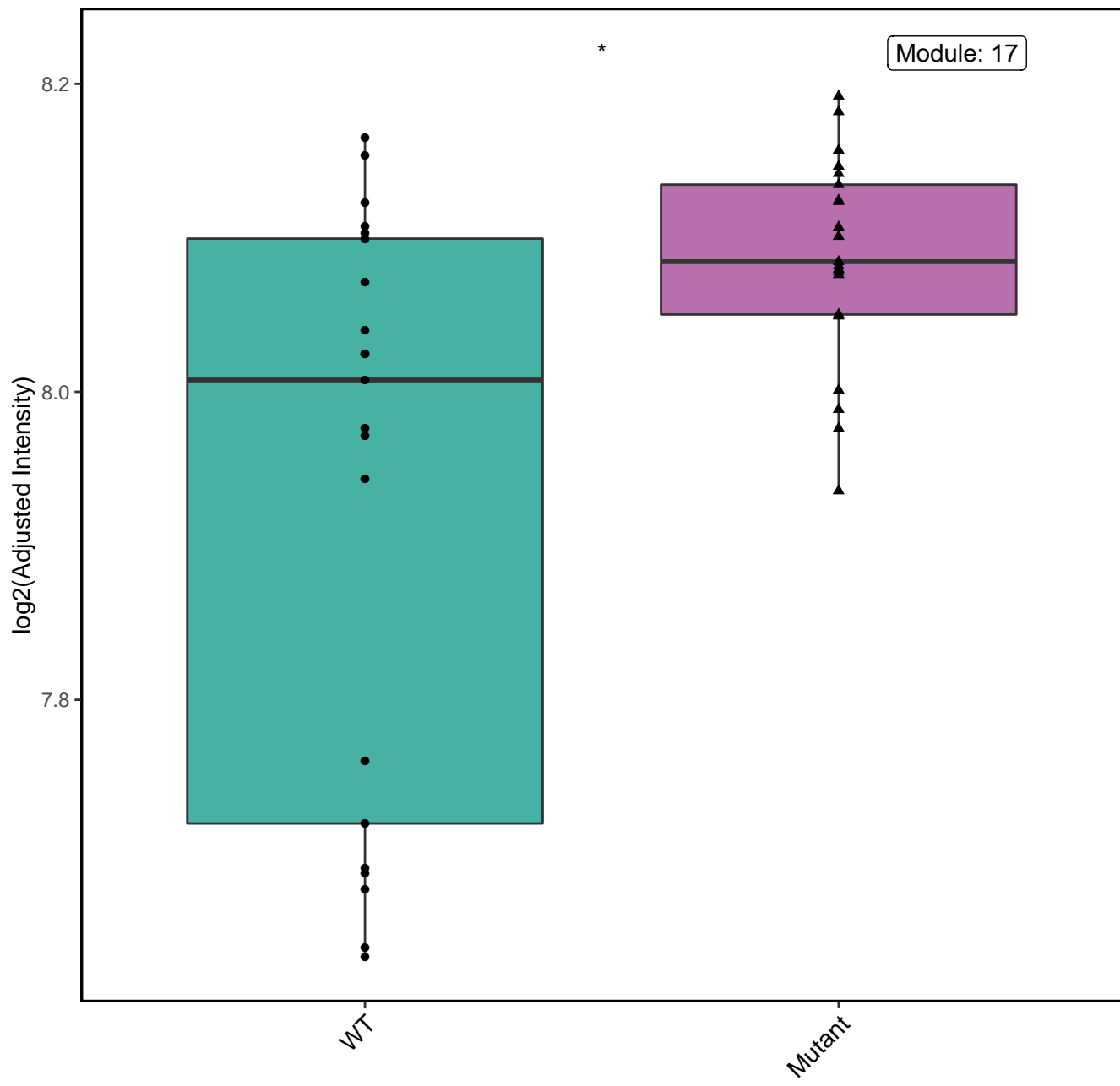
log2(Adjusted Intensity)

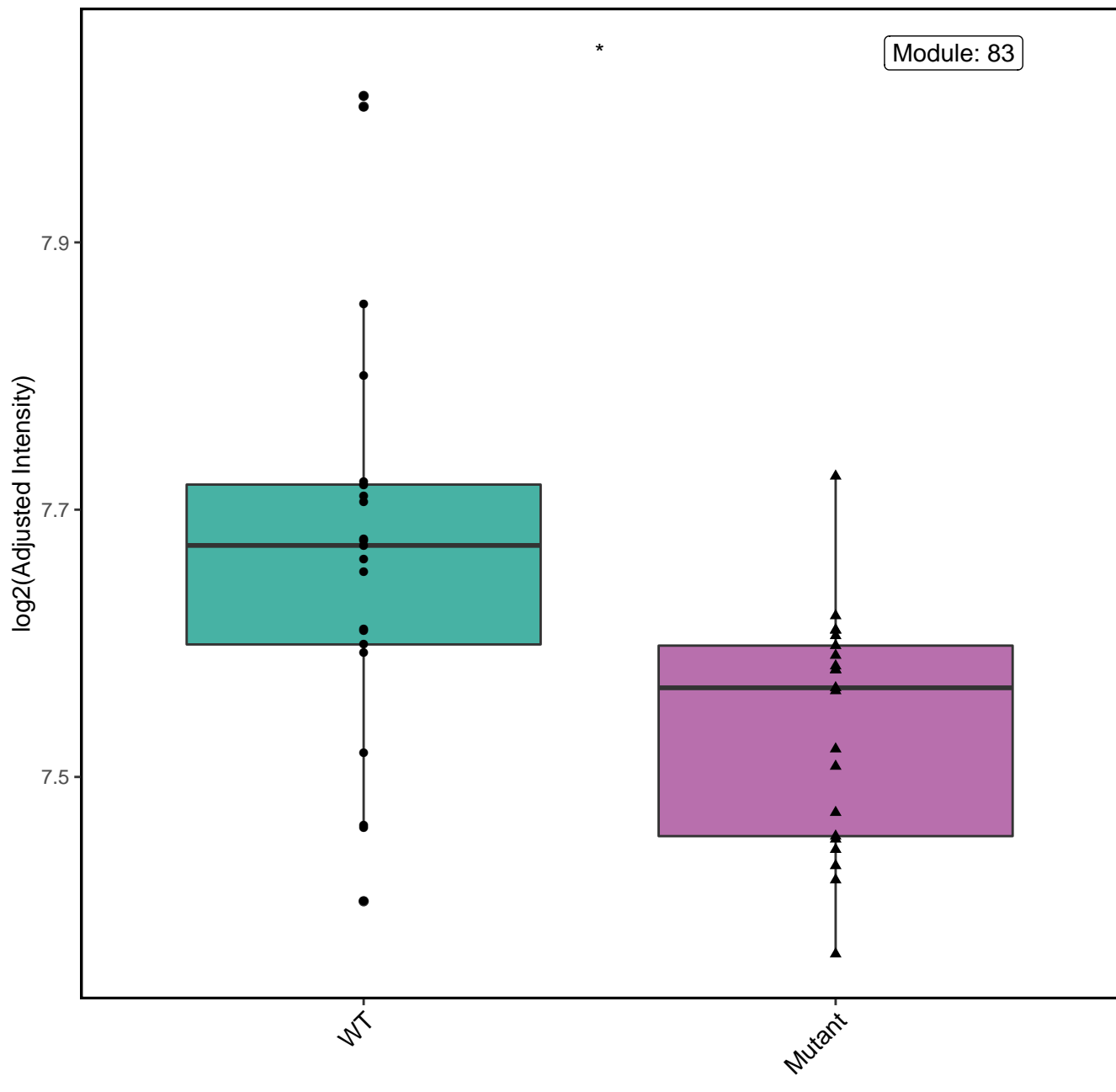
WT

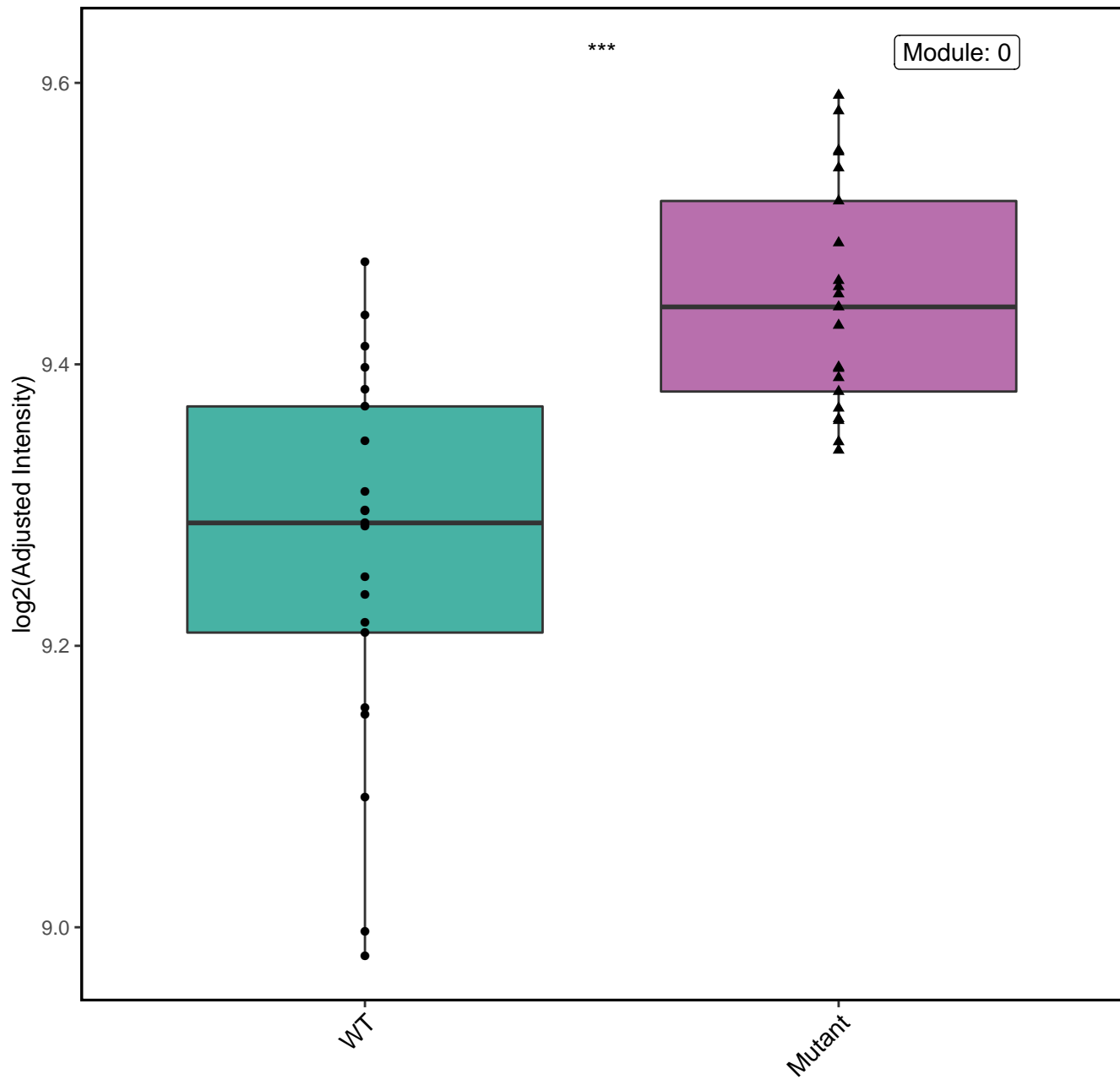
Mutant

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log2(Adjusted Intensity)

7.6

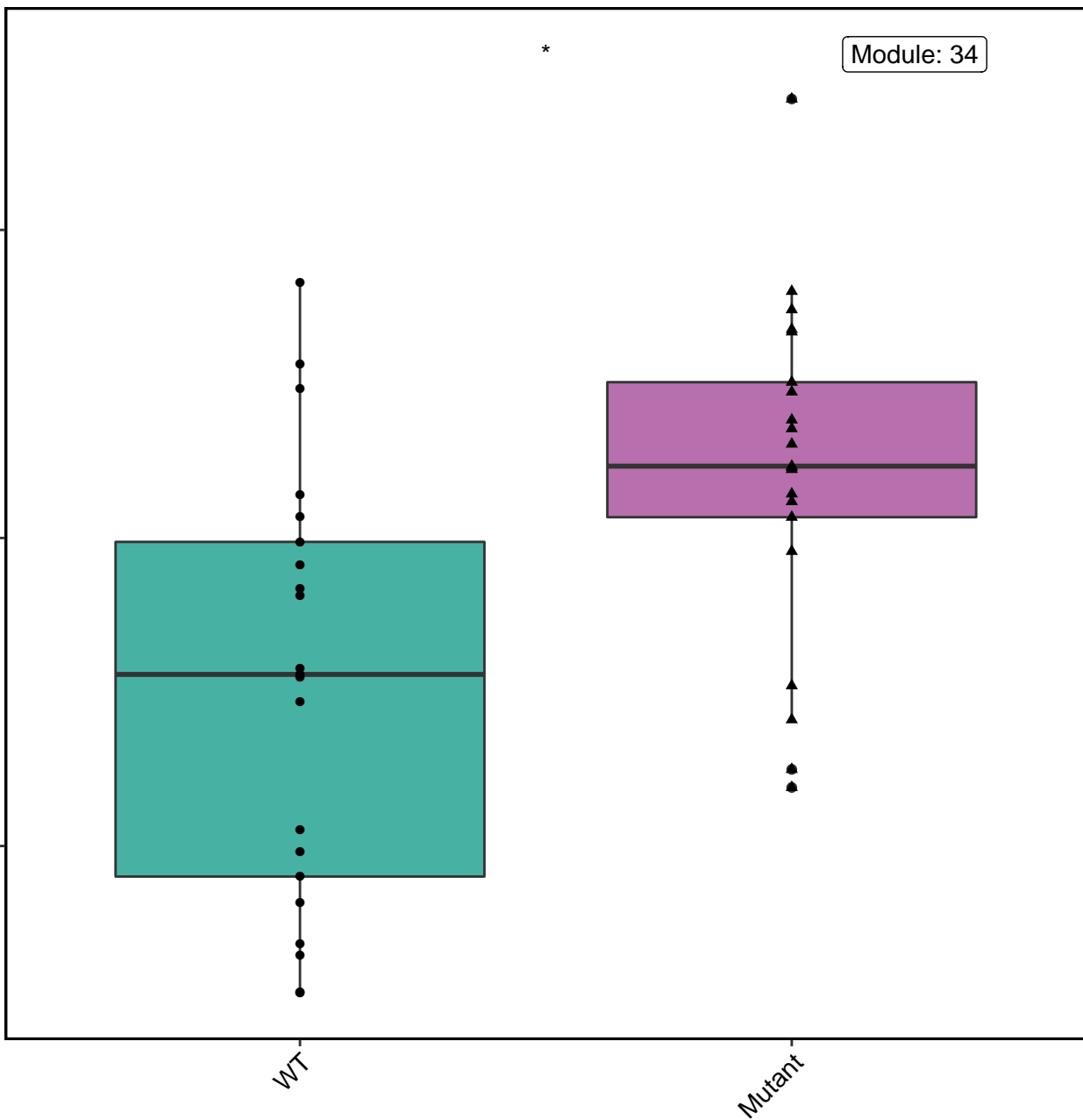
7.4

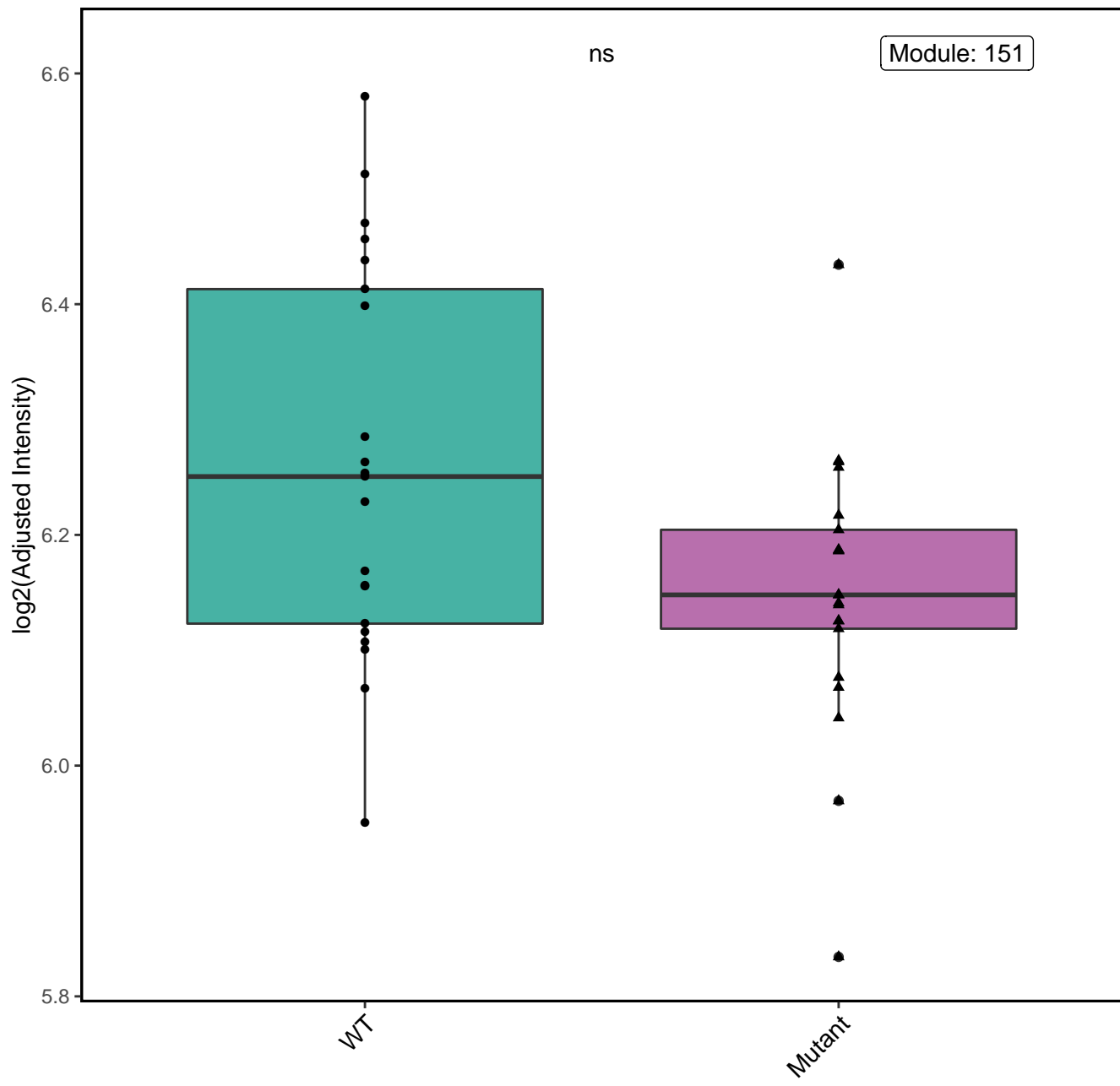
7.2

WT

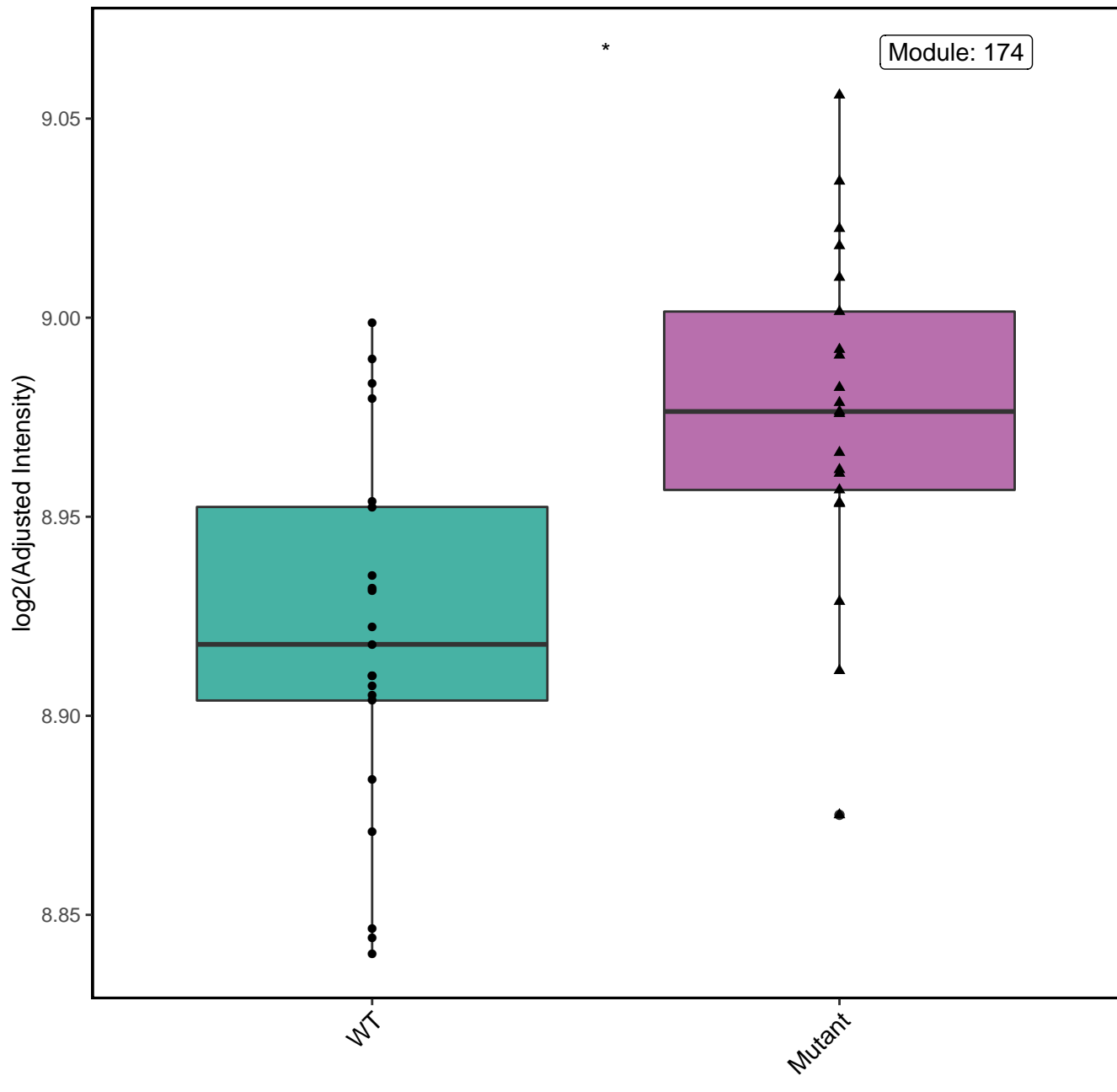
Mutant

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$\log_2(\text{Adjusted Intensity})$ 

5.7

5.6

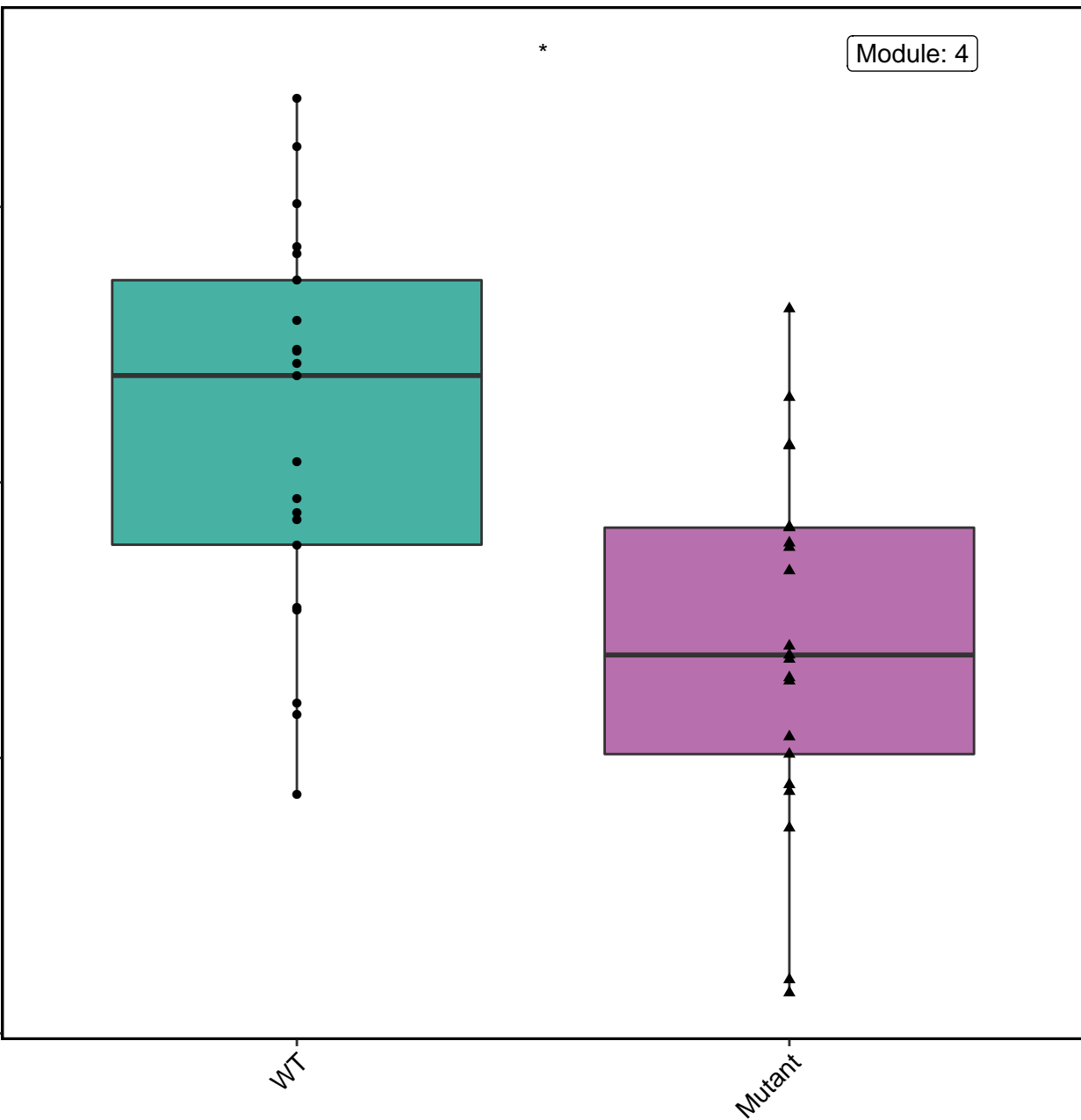
5.5

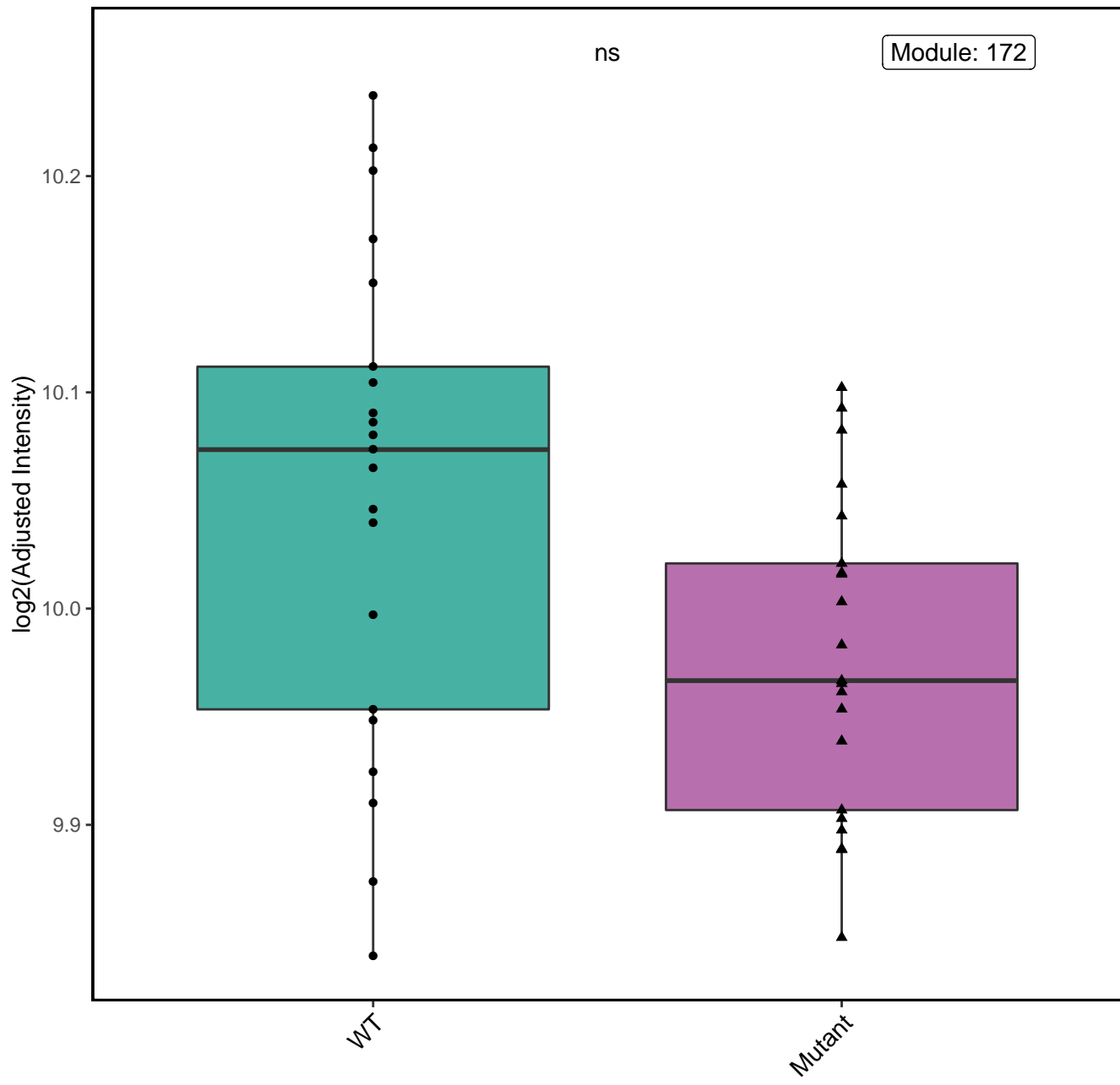
5.4

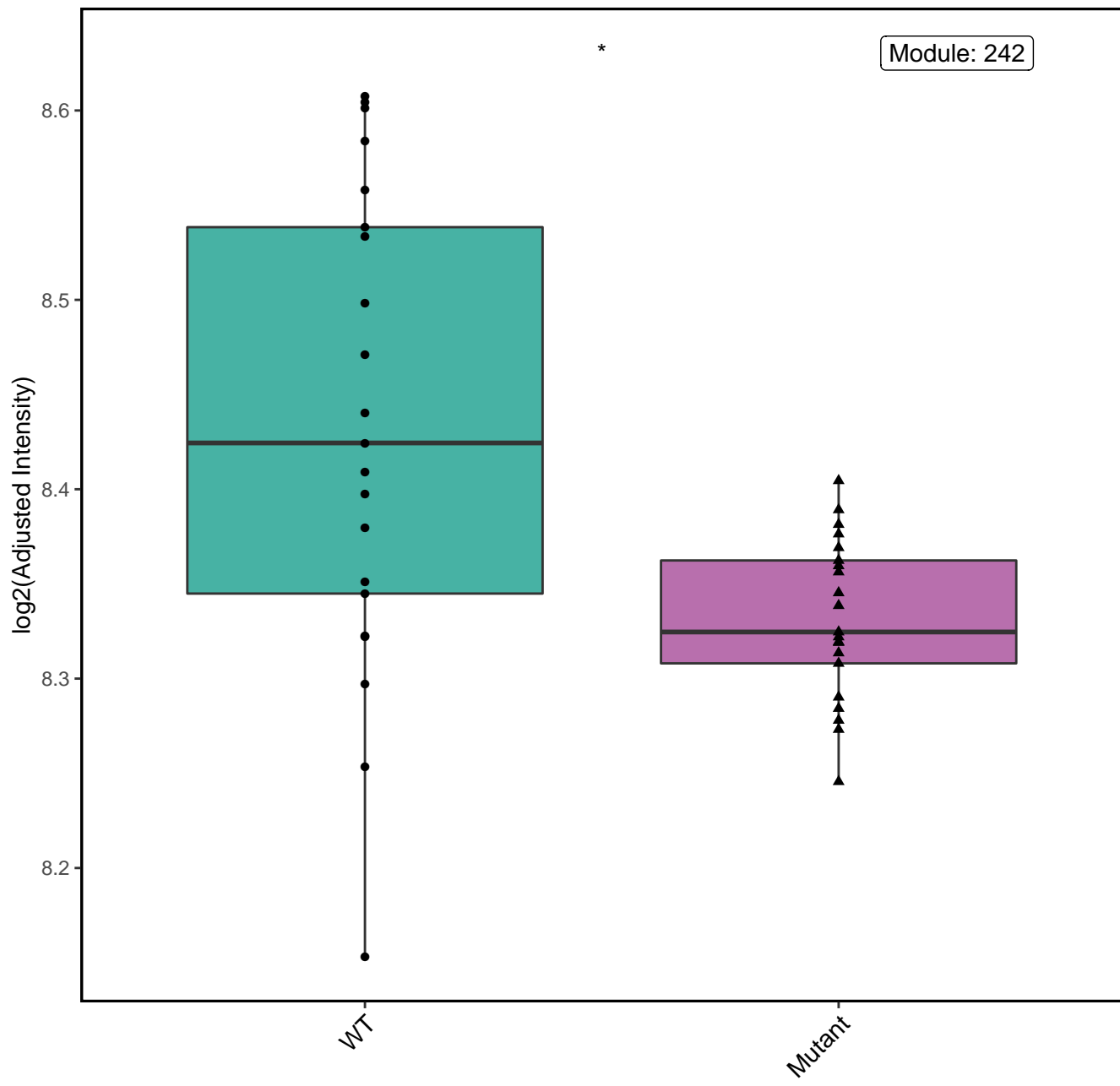
WT

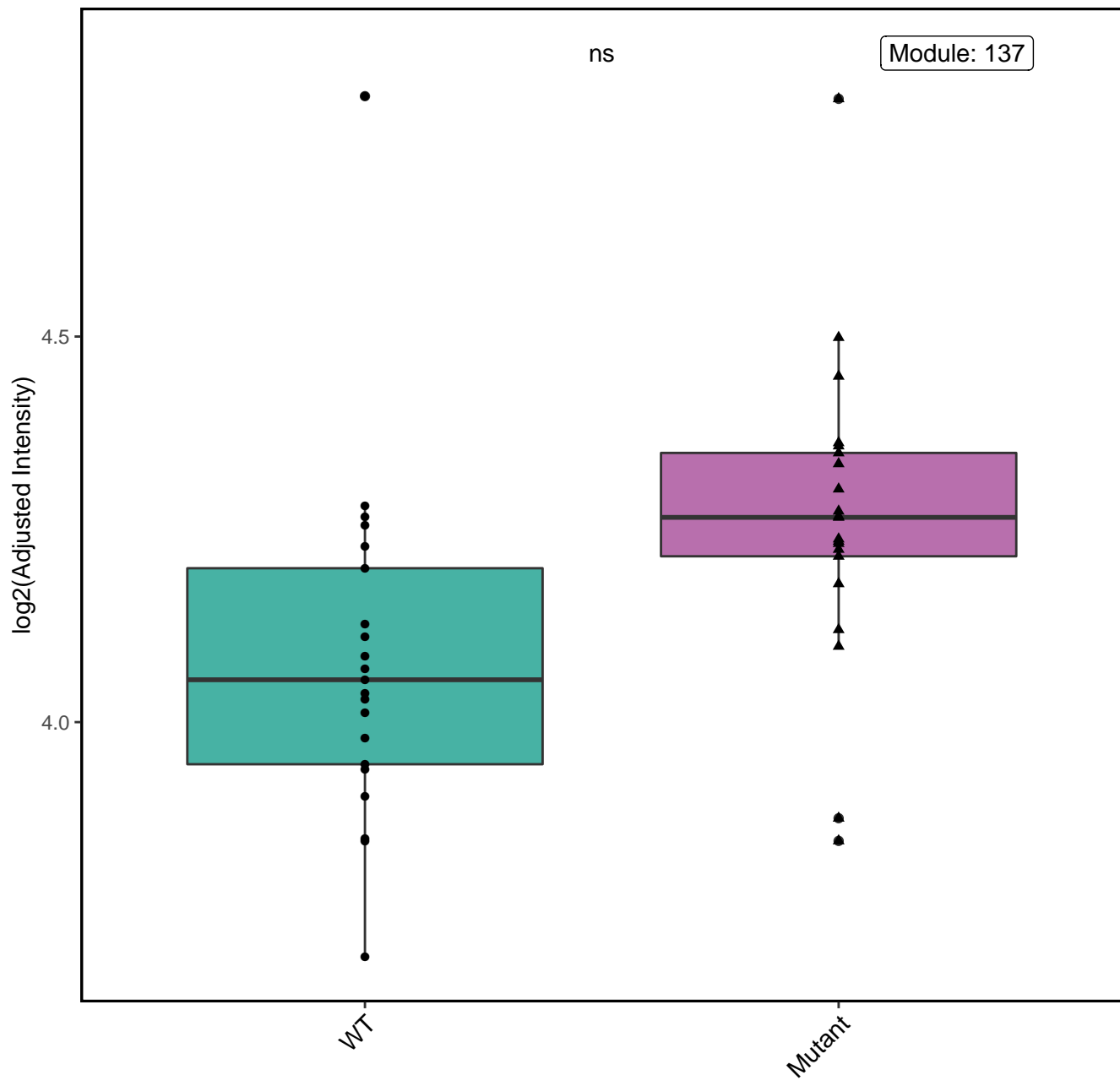
Mutant

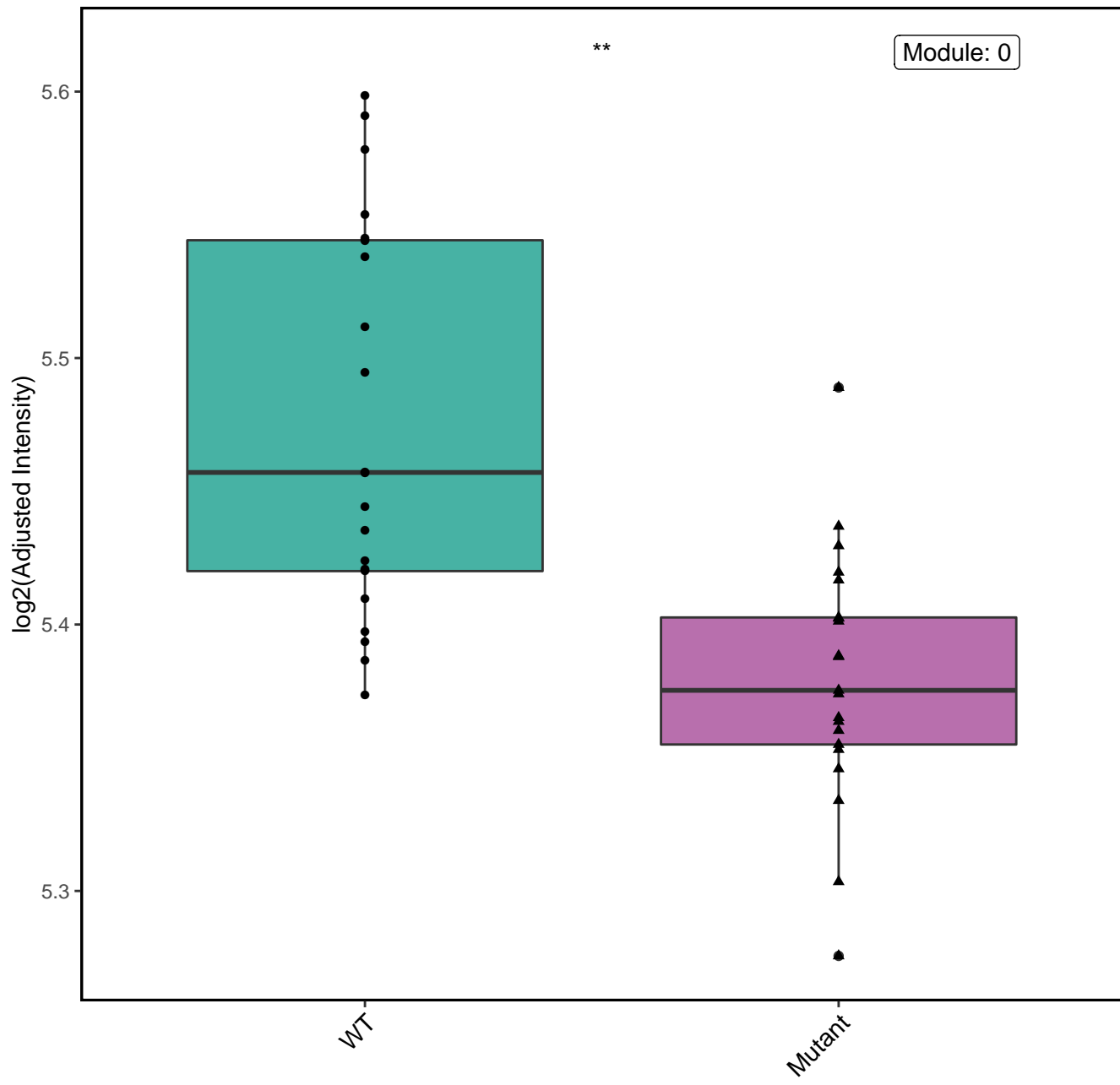
\*

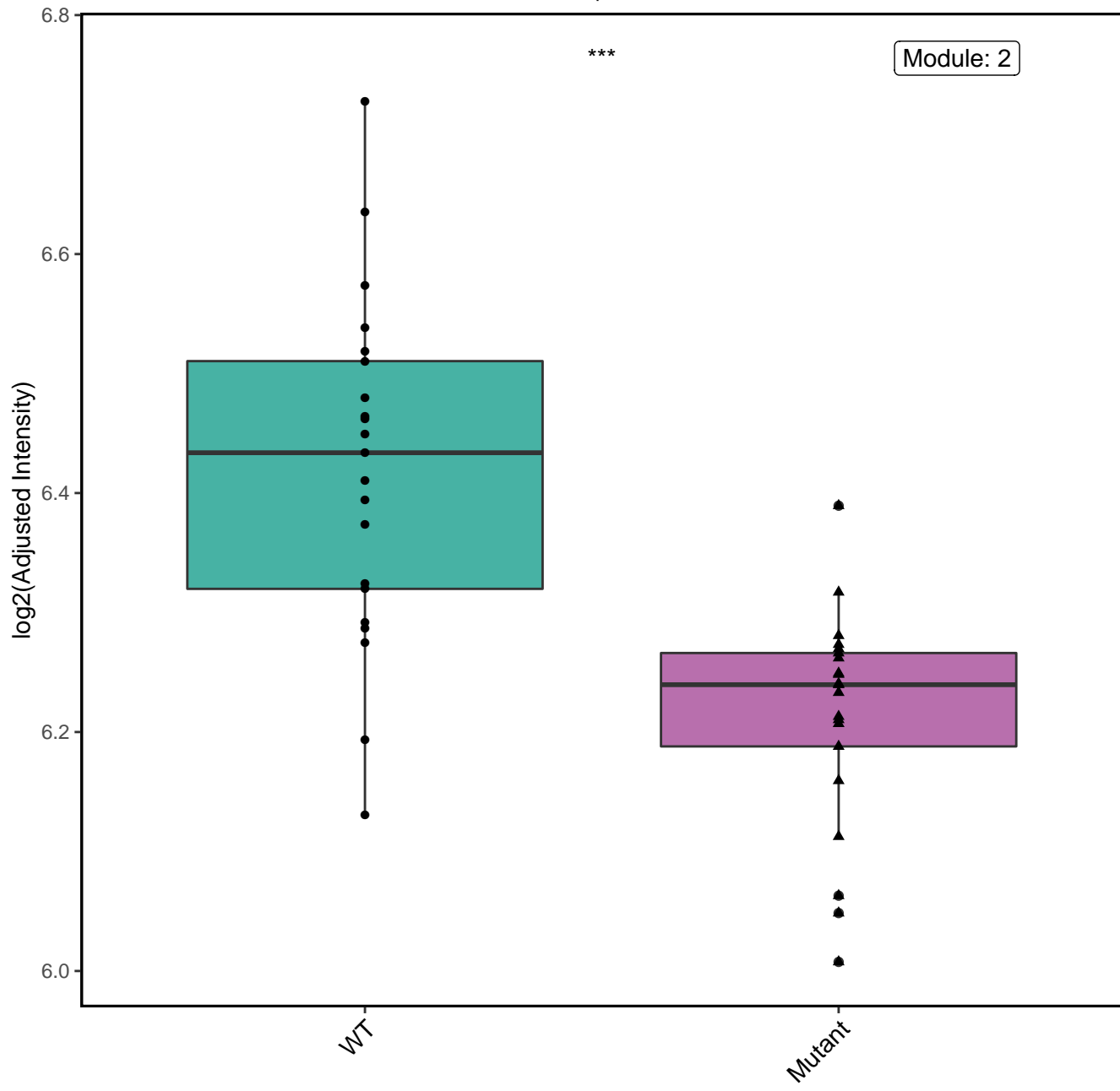


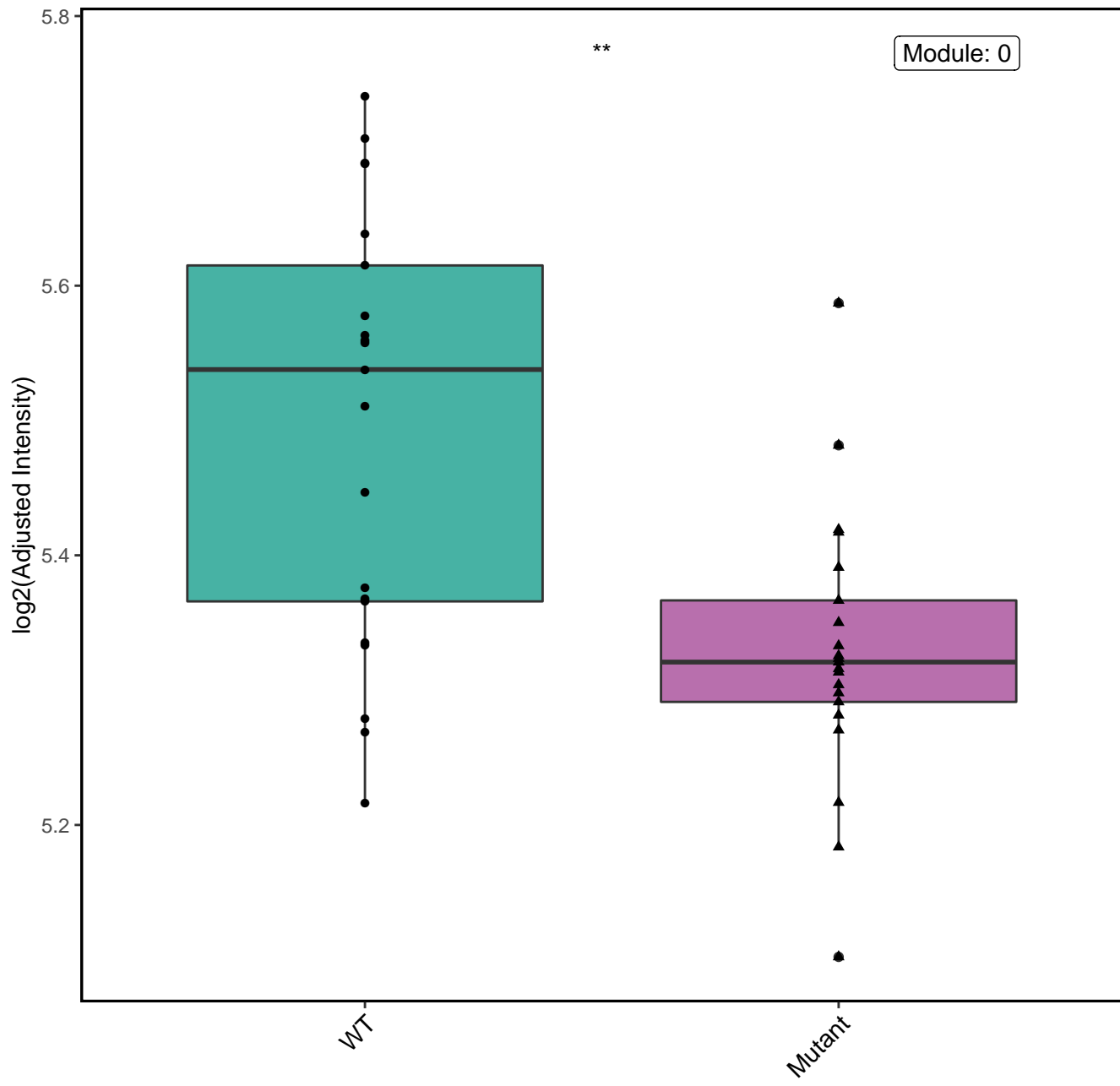




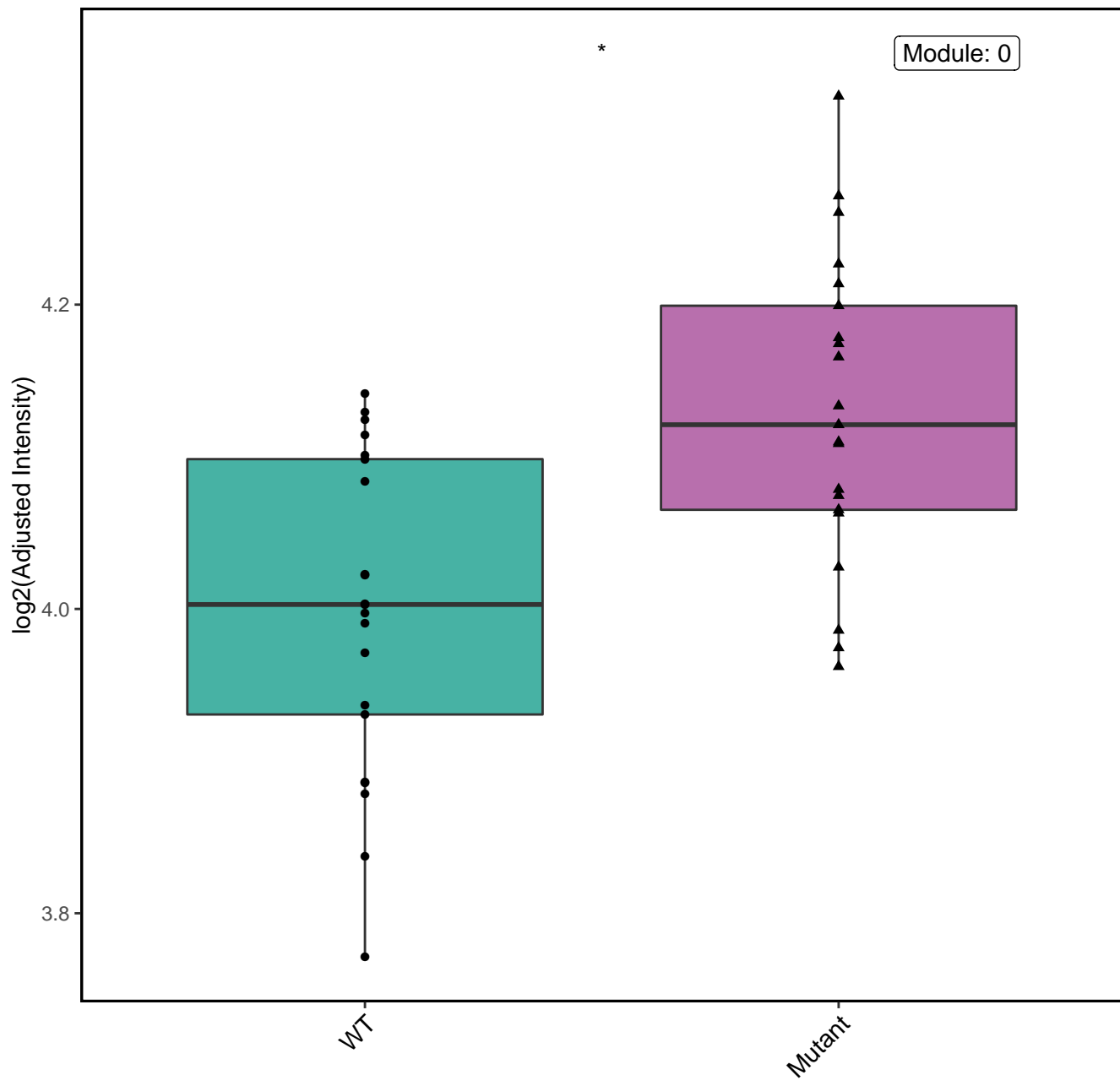


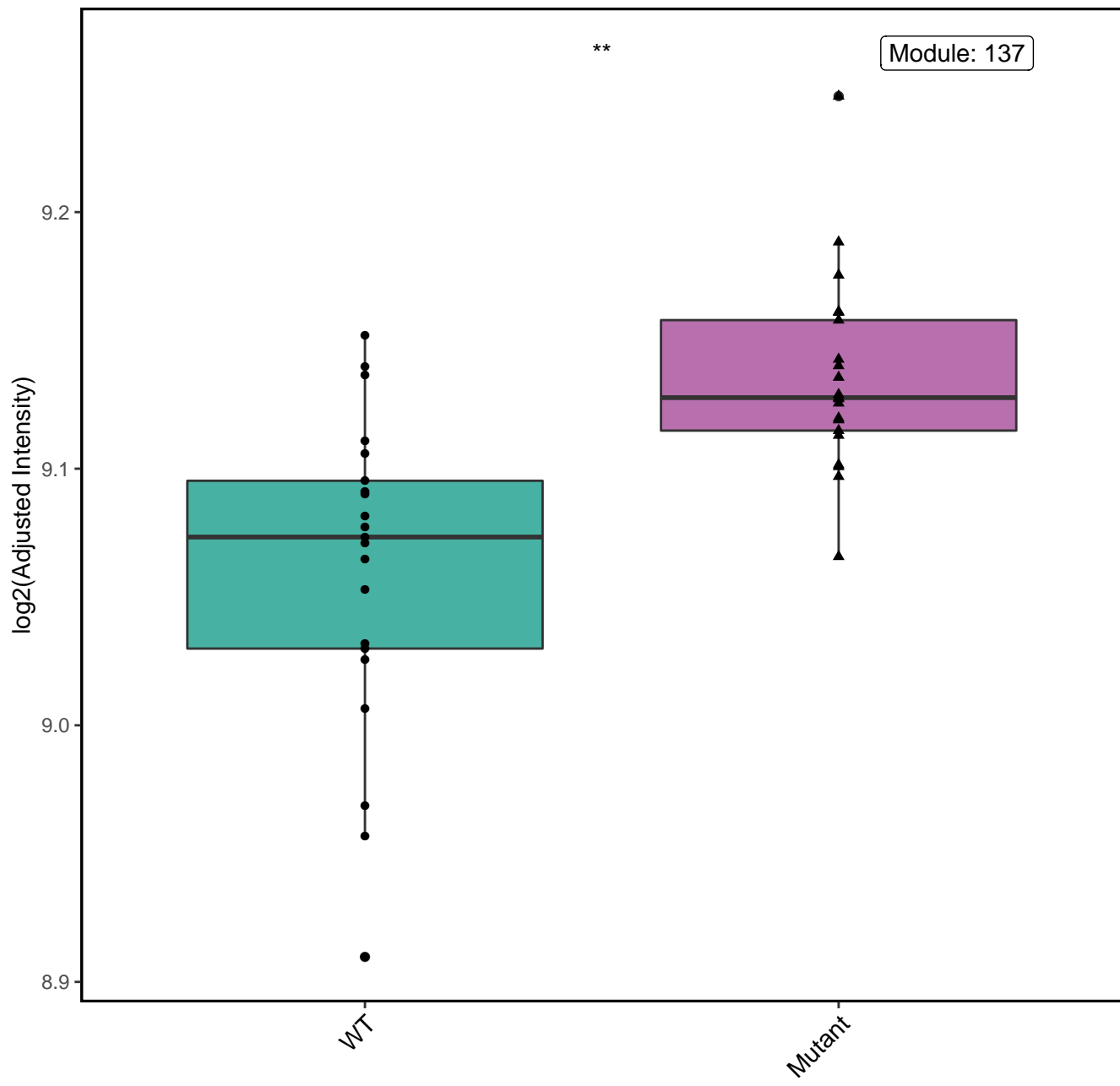


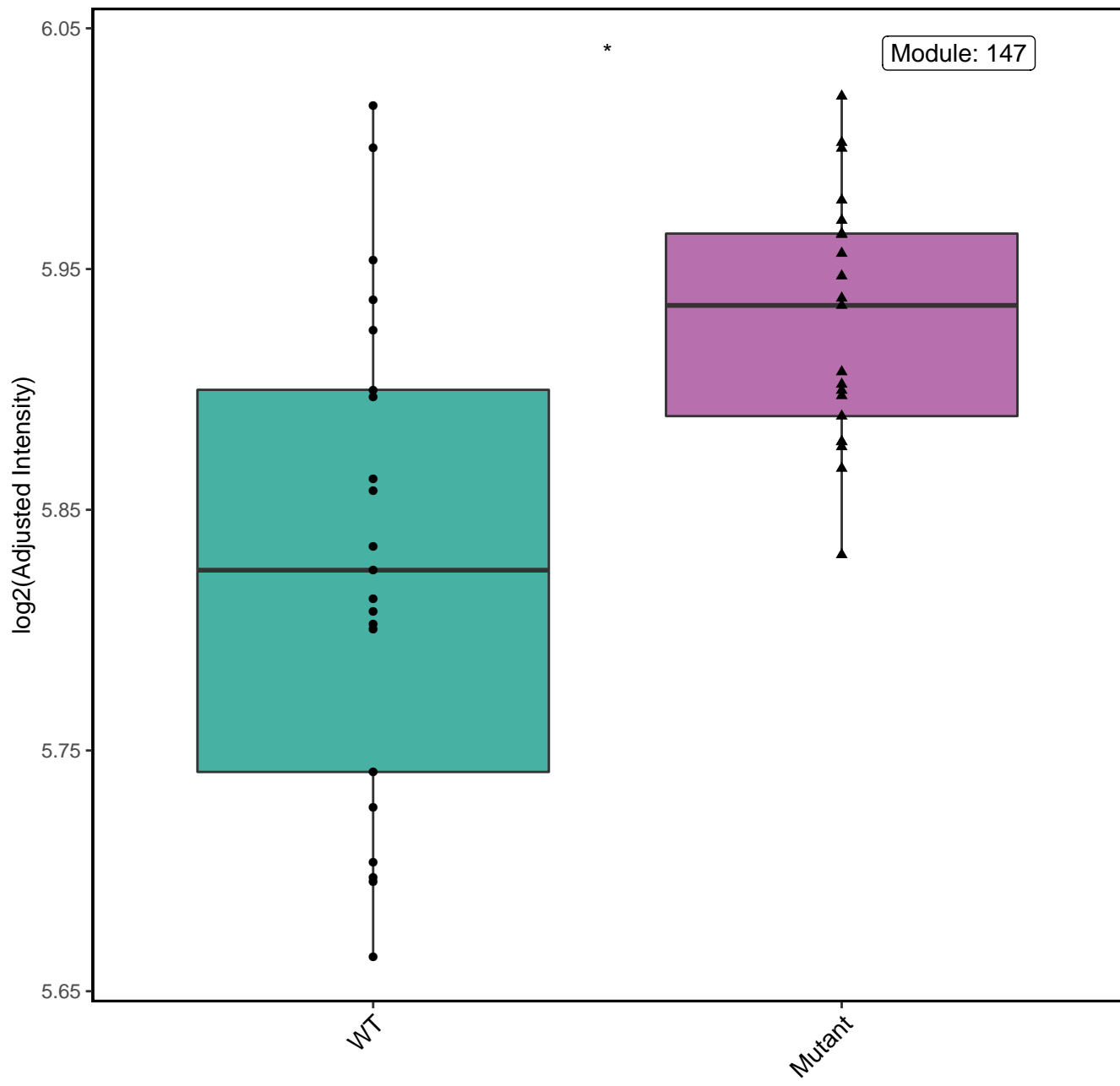


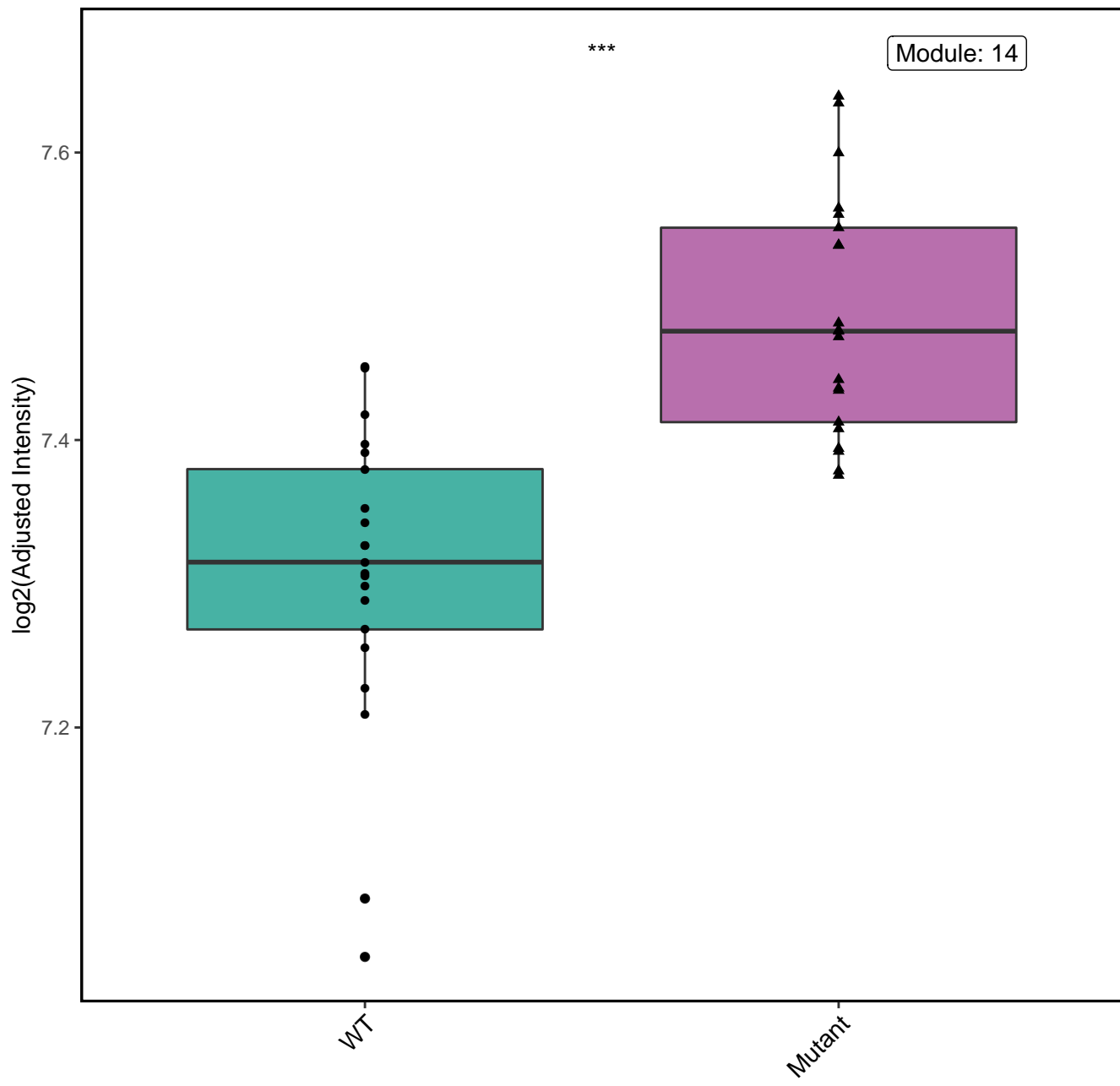


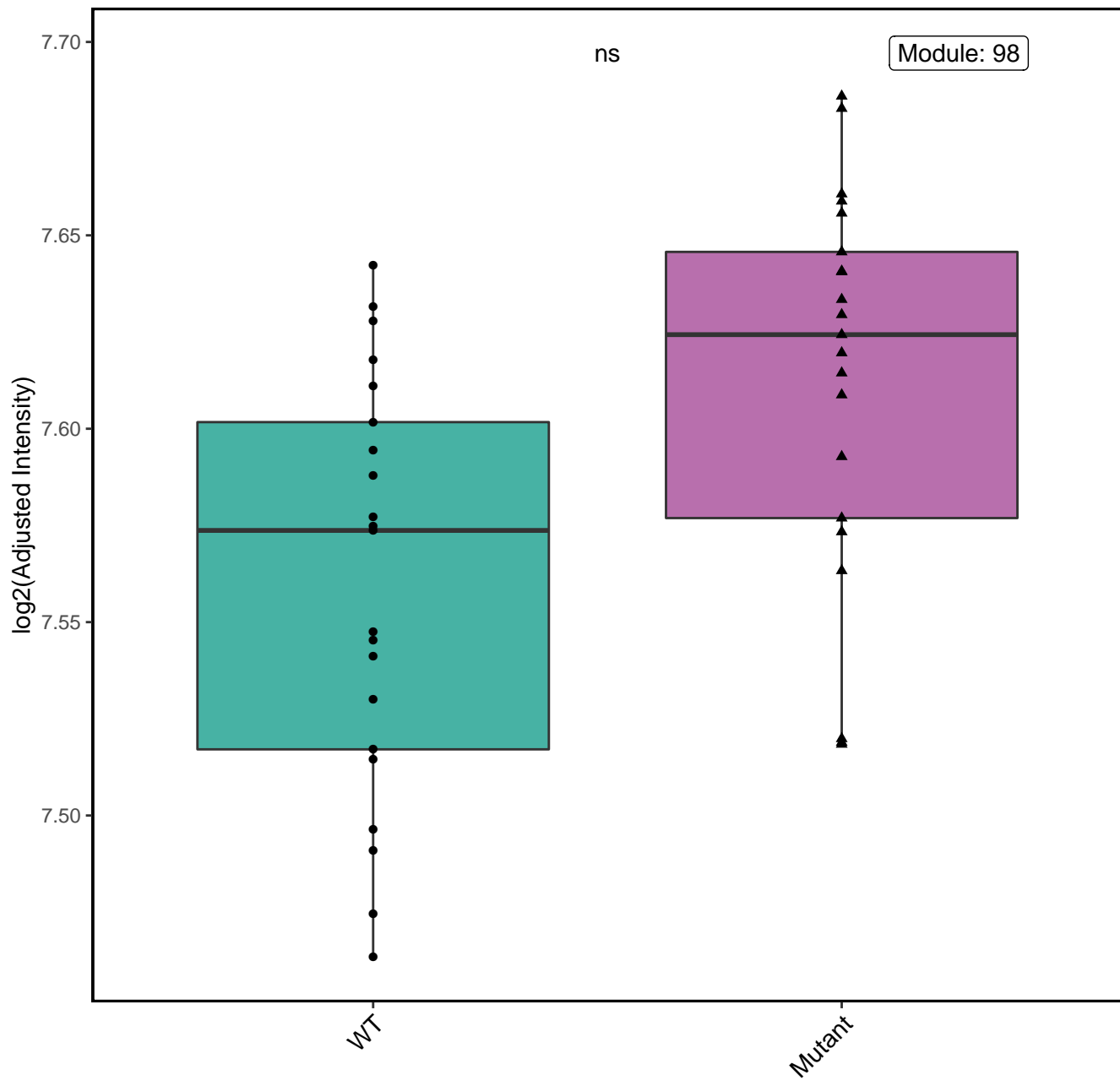


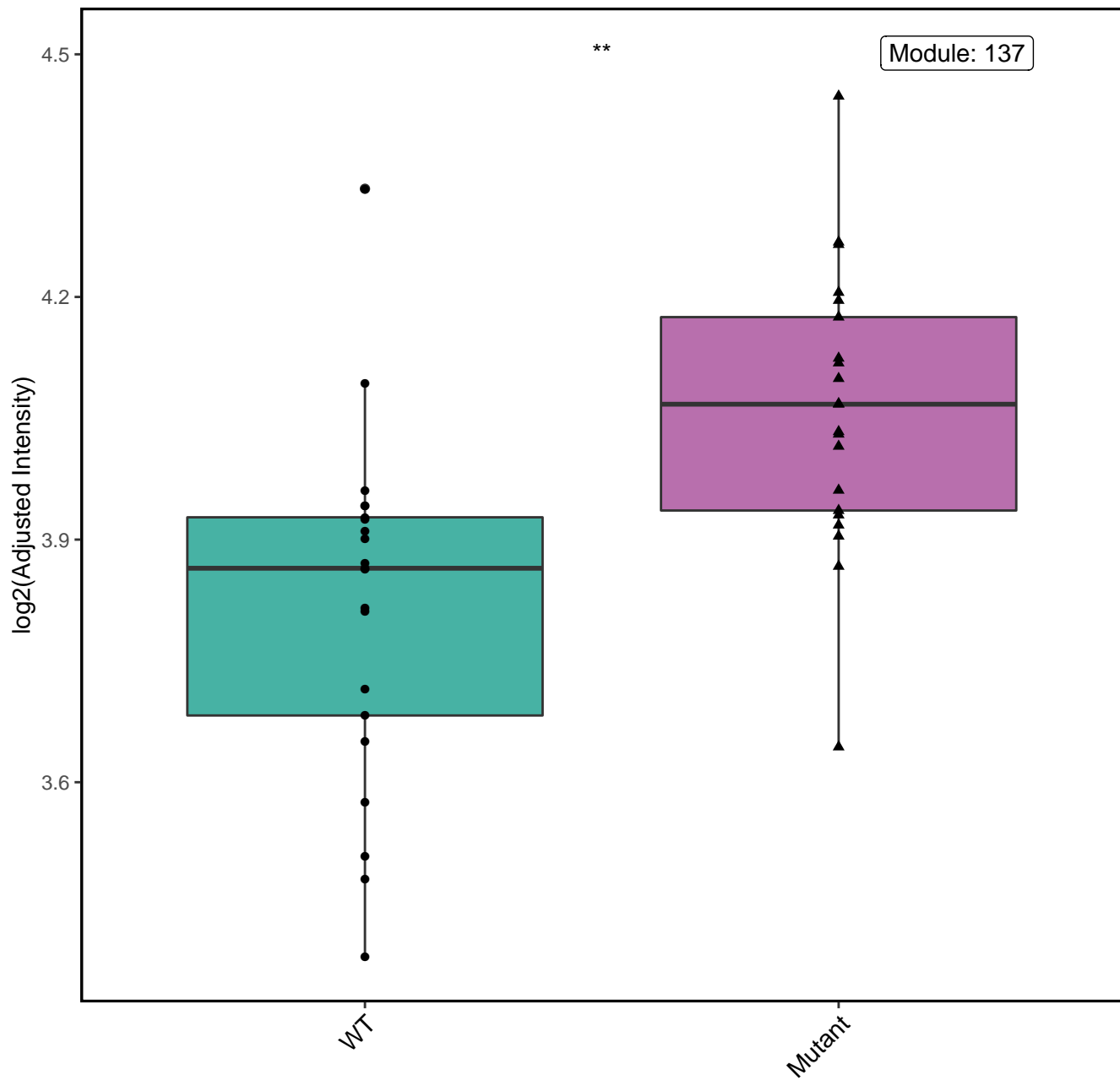












log2(Adjusted Intensity)

6.3

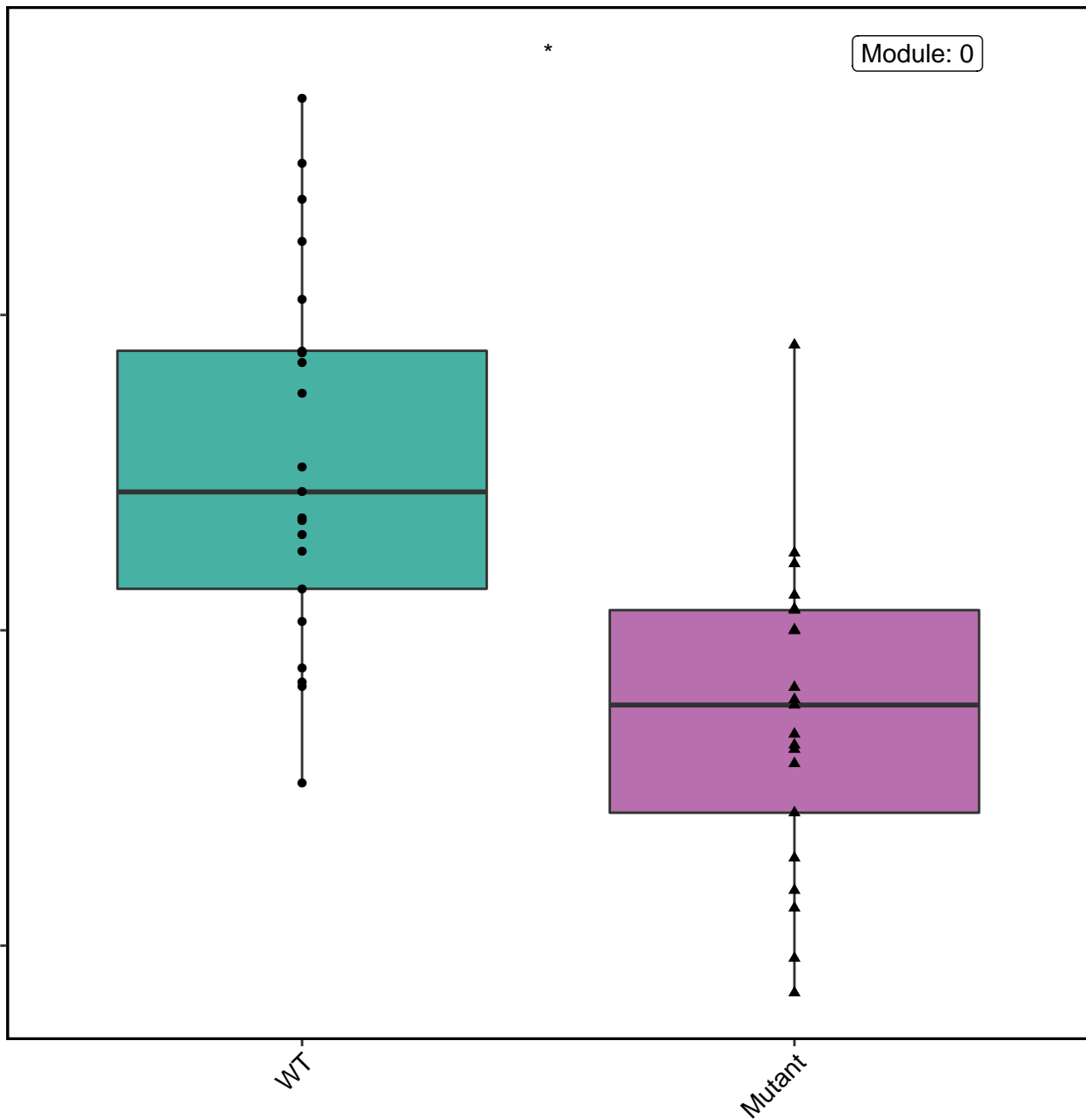
6.2

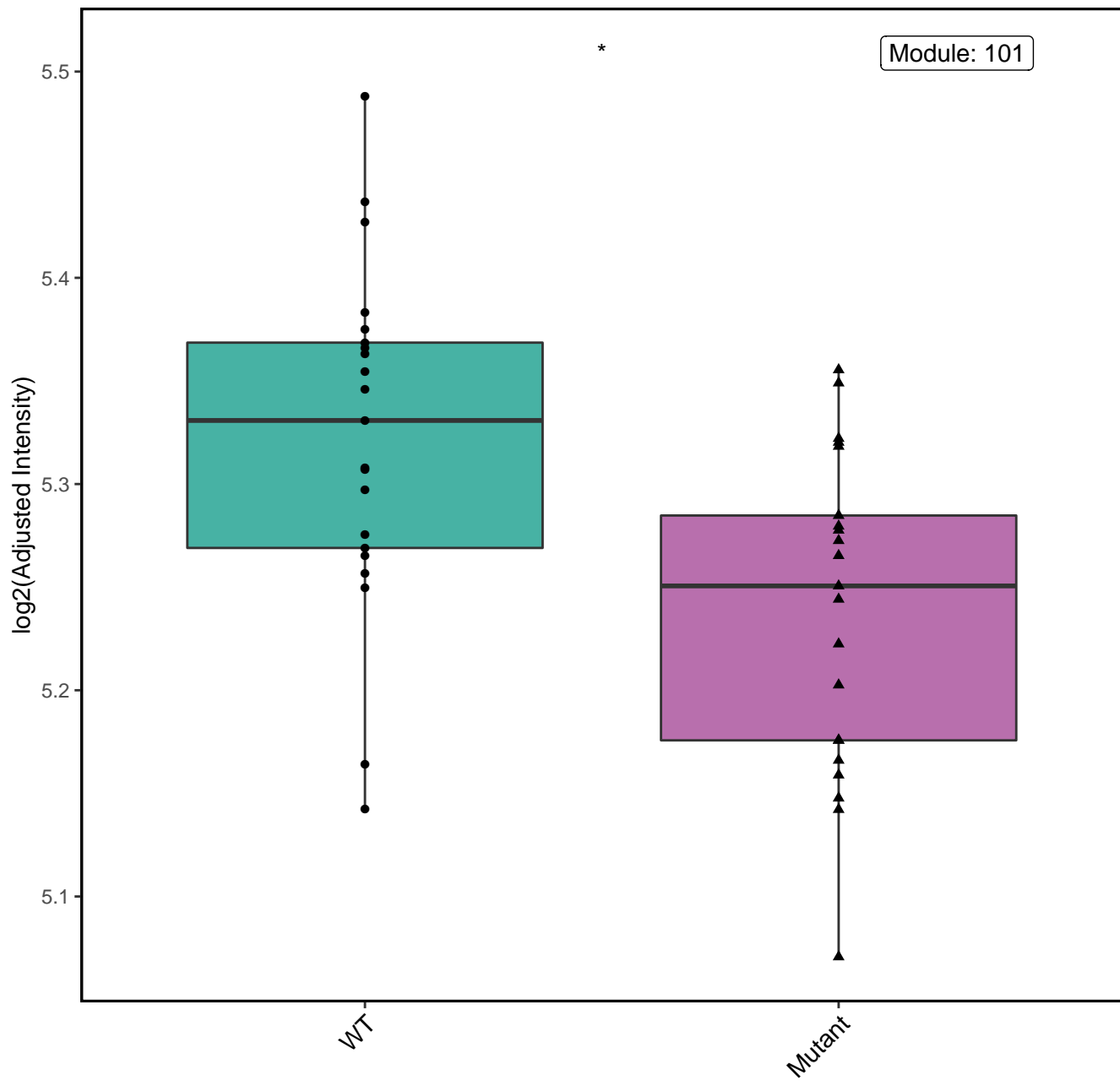
6.1

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Mutant

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log2(Adjusted Intensity)

7.2

7.0

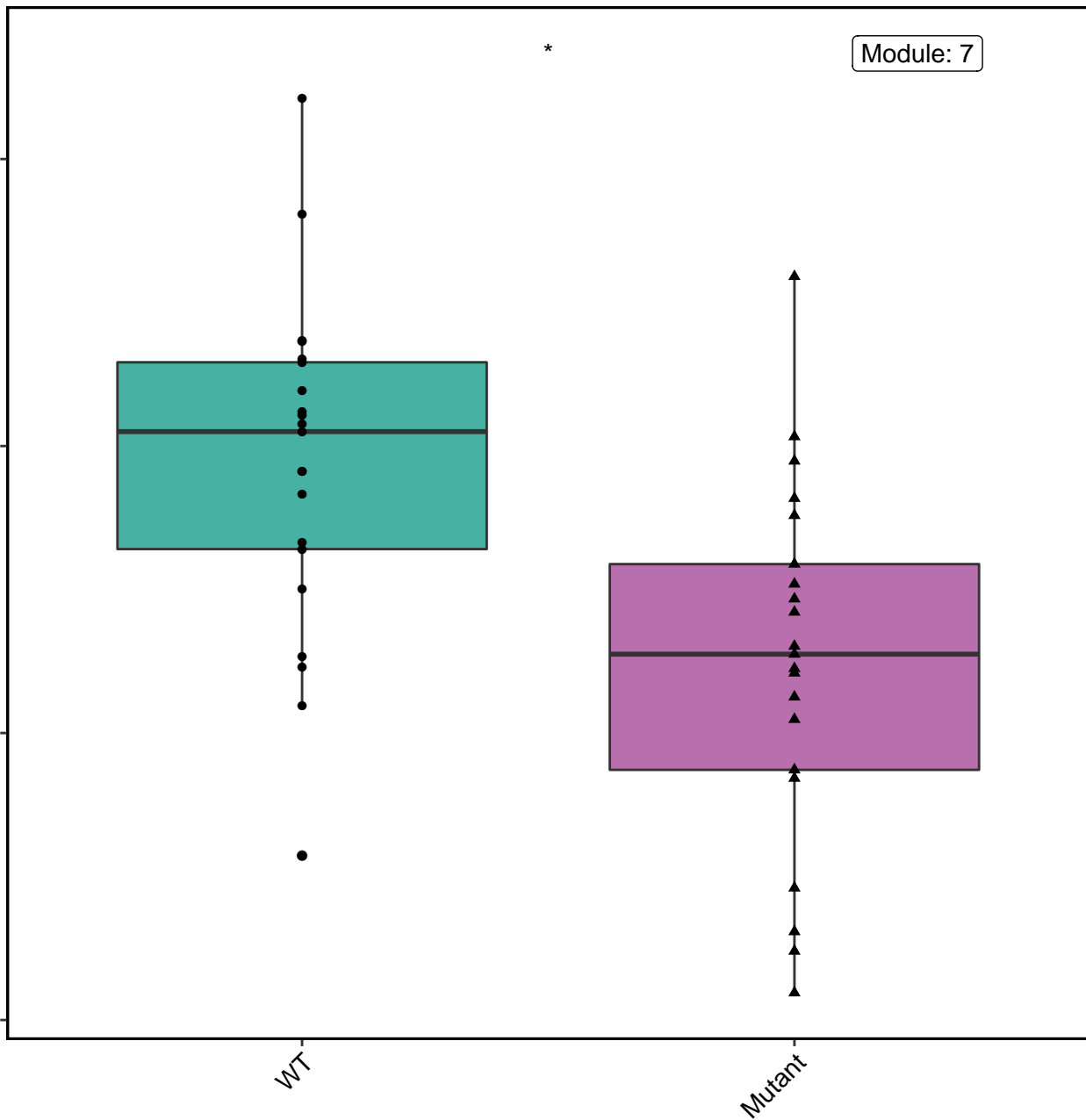
6.8

6.6

WT

Mutant

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log2(Adjusted Intensity)

7.8

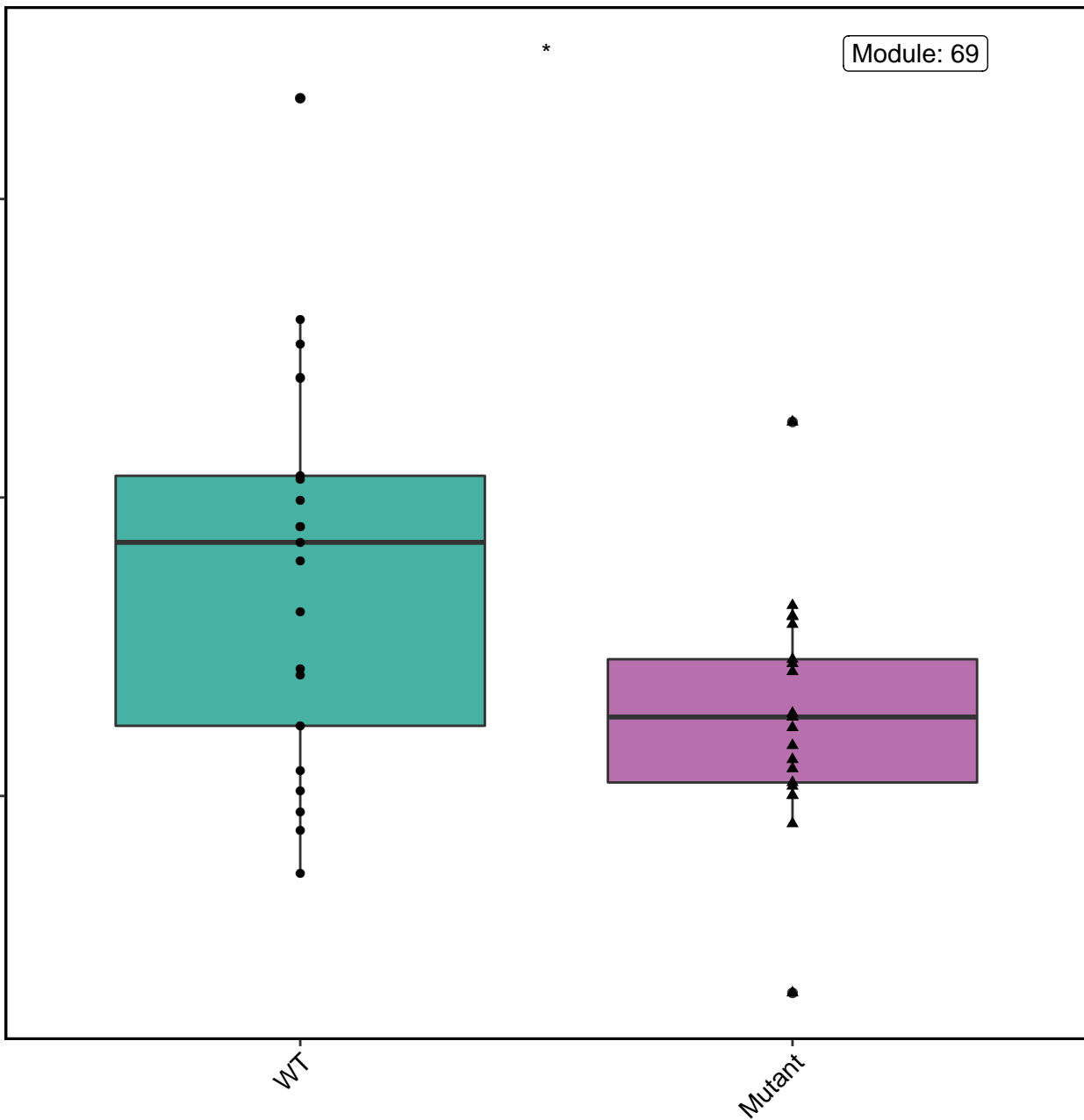
7.6

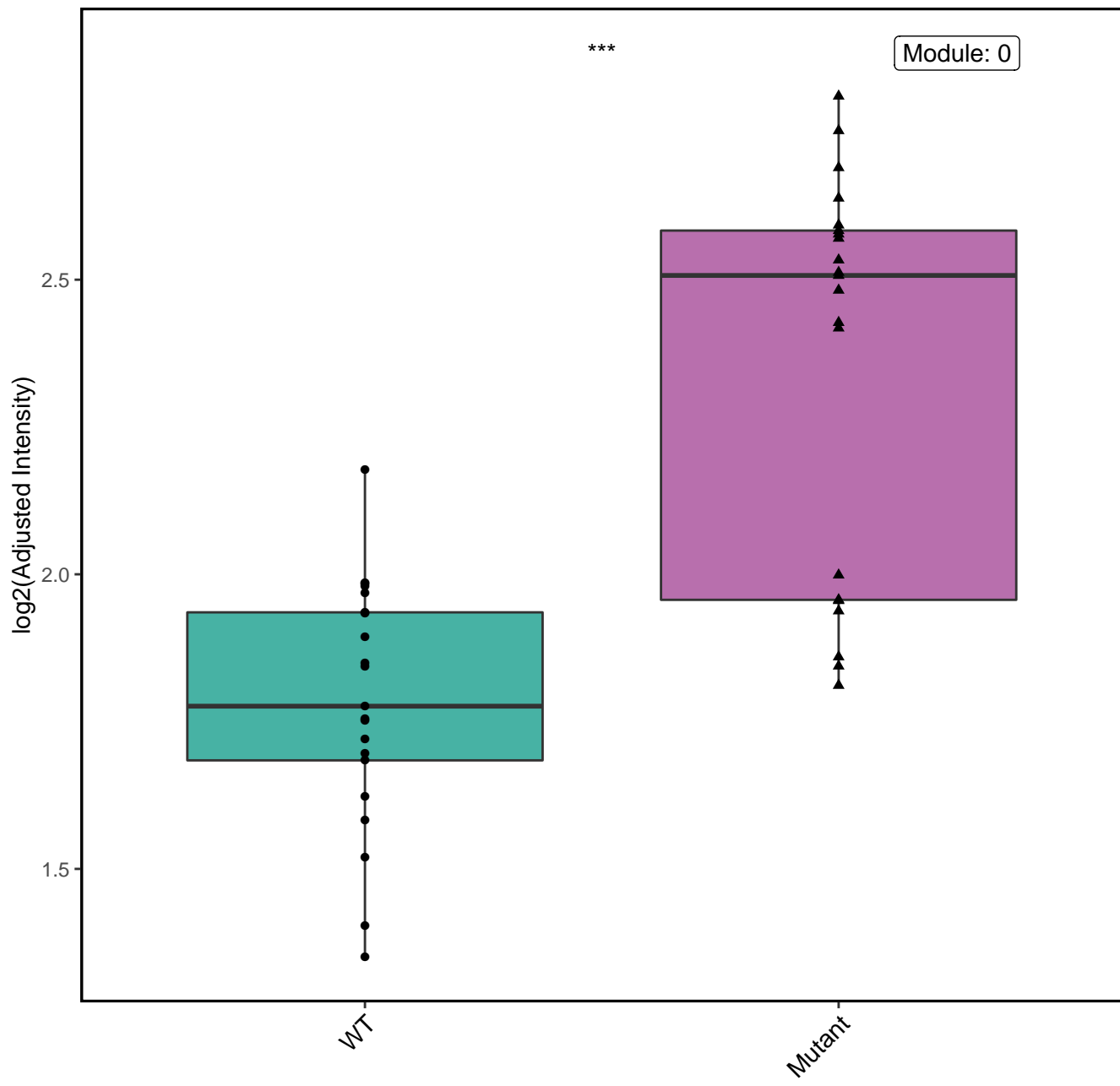
7.4

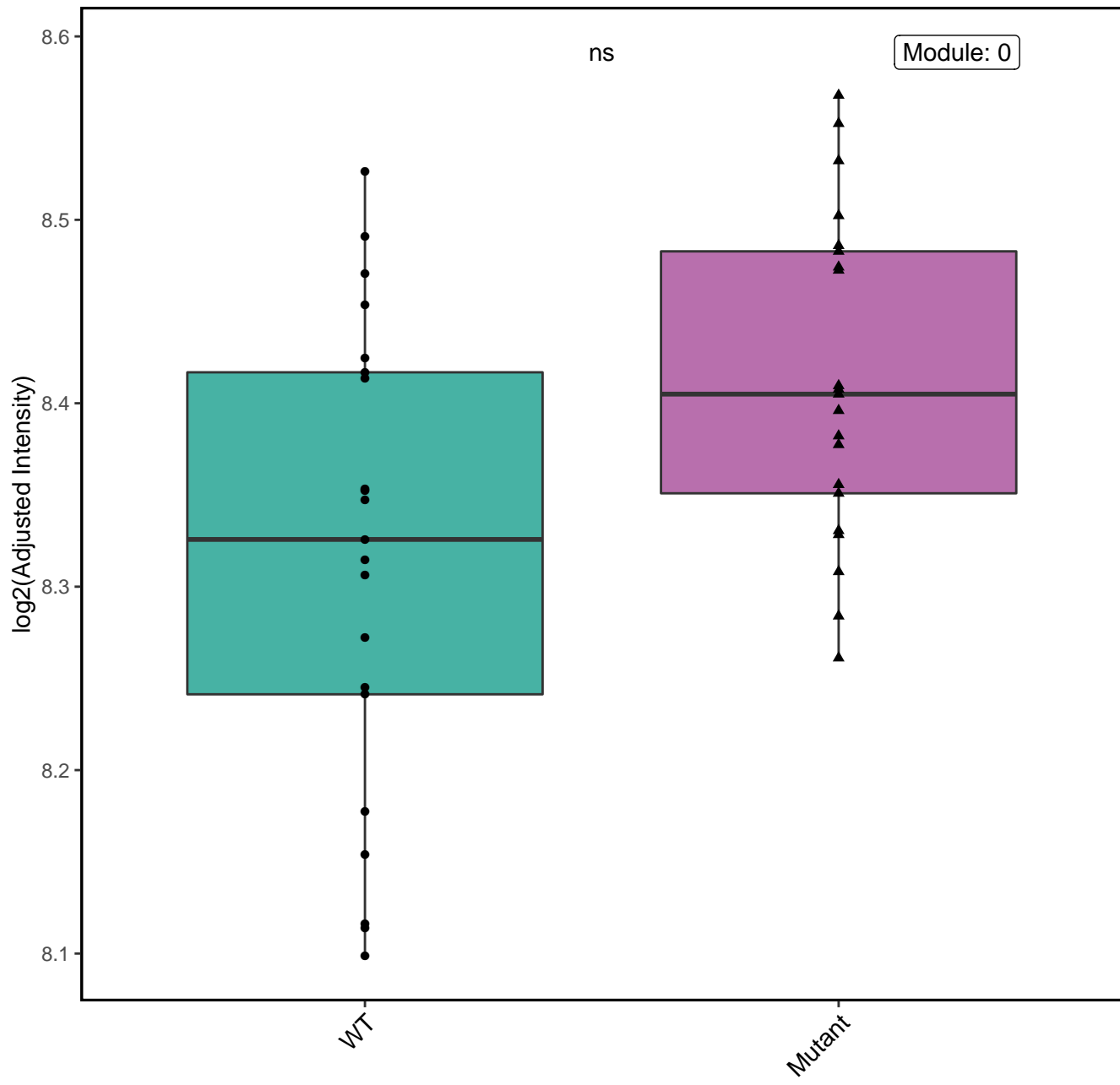
WT

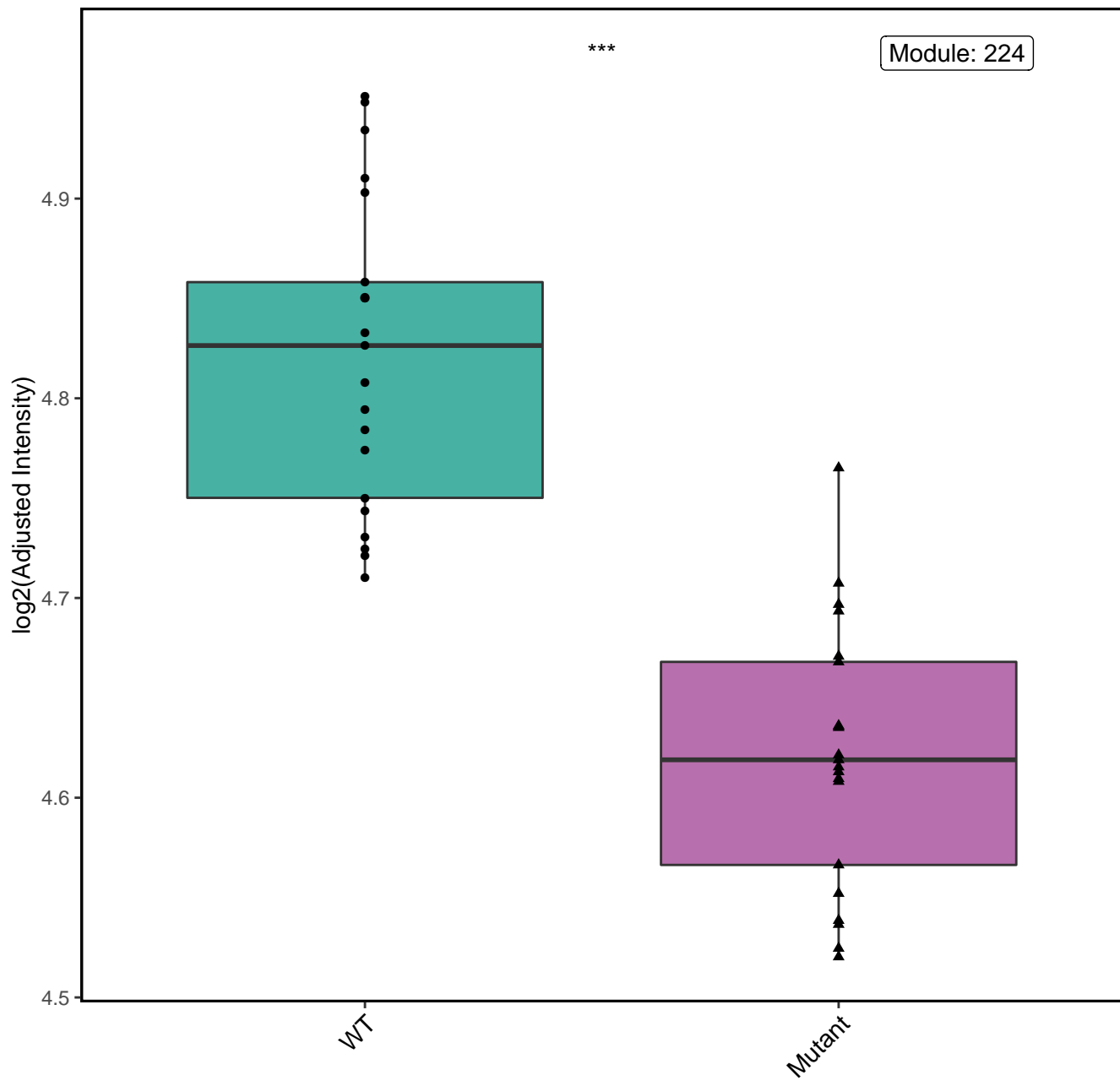
Mutant

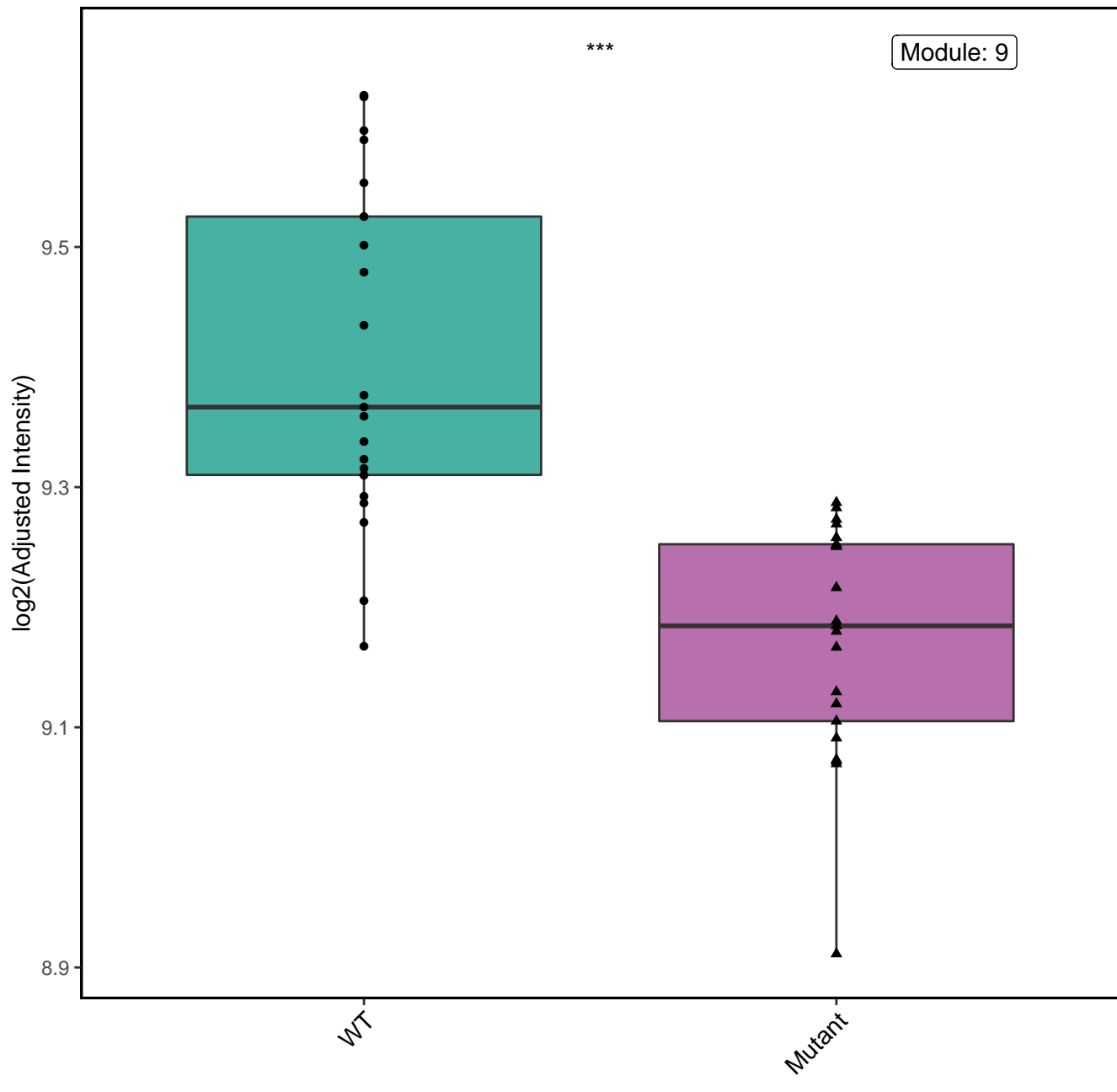
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log2(Adjusted Intensity)

4.6

4.4

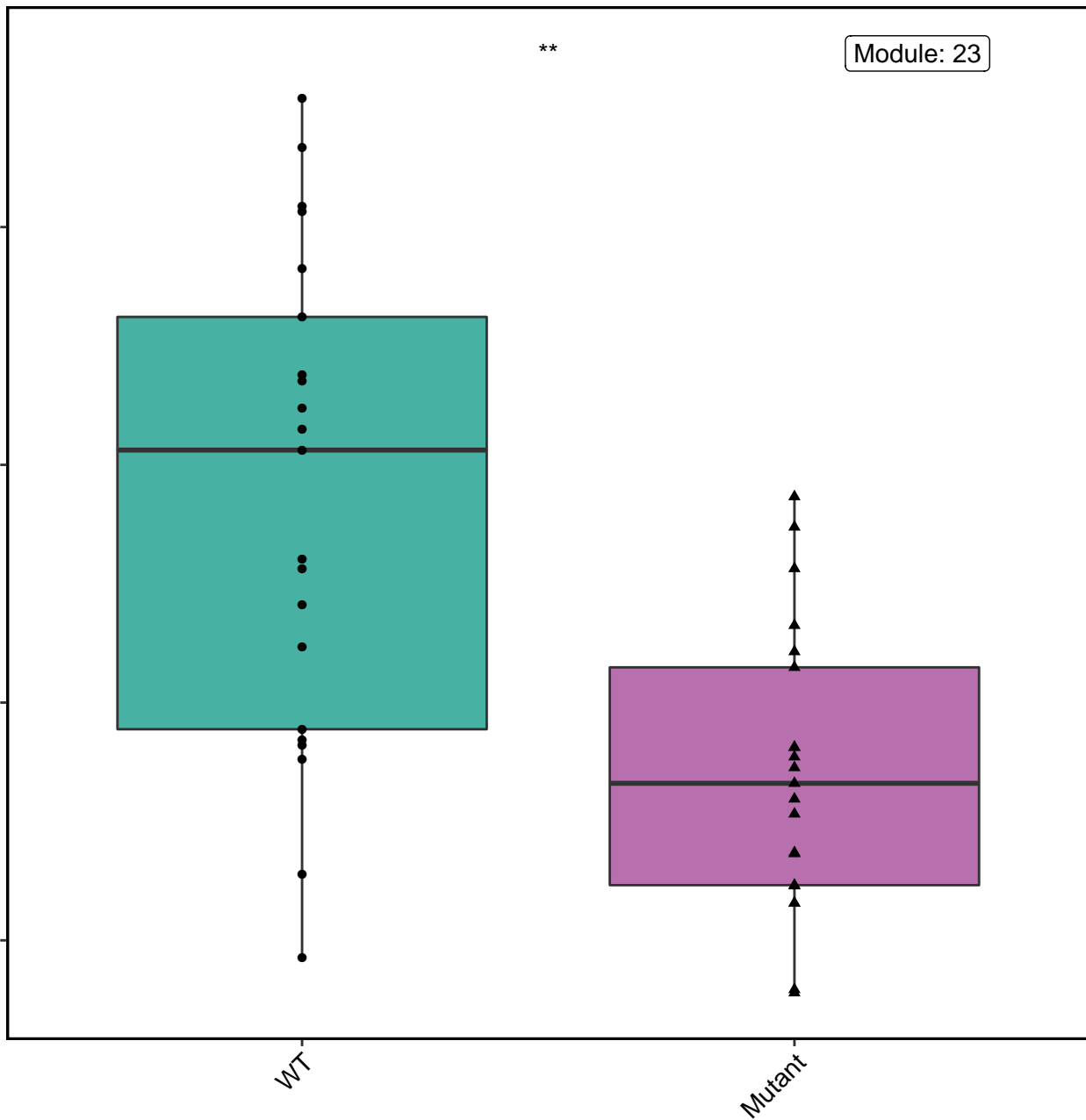
4.2

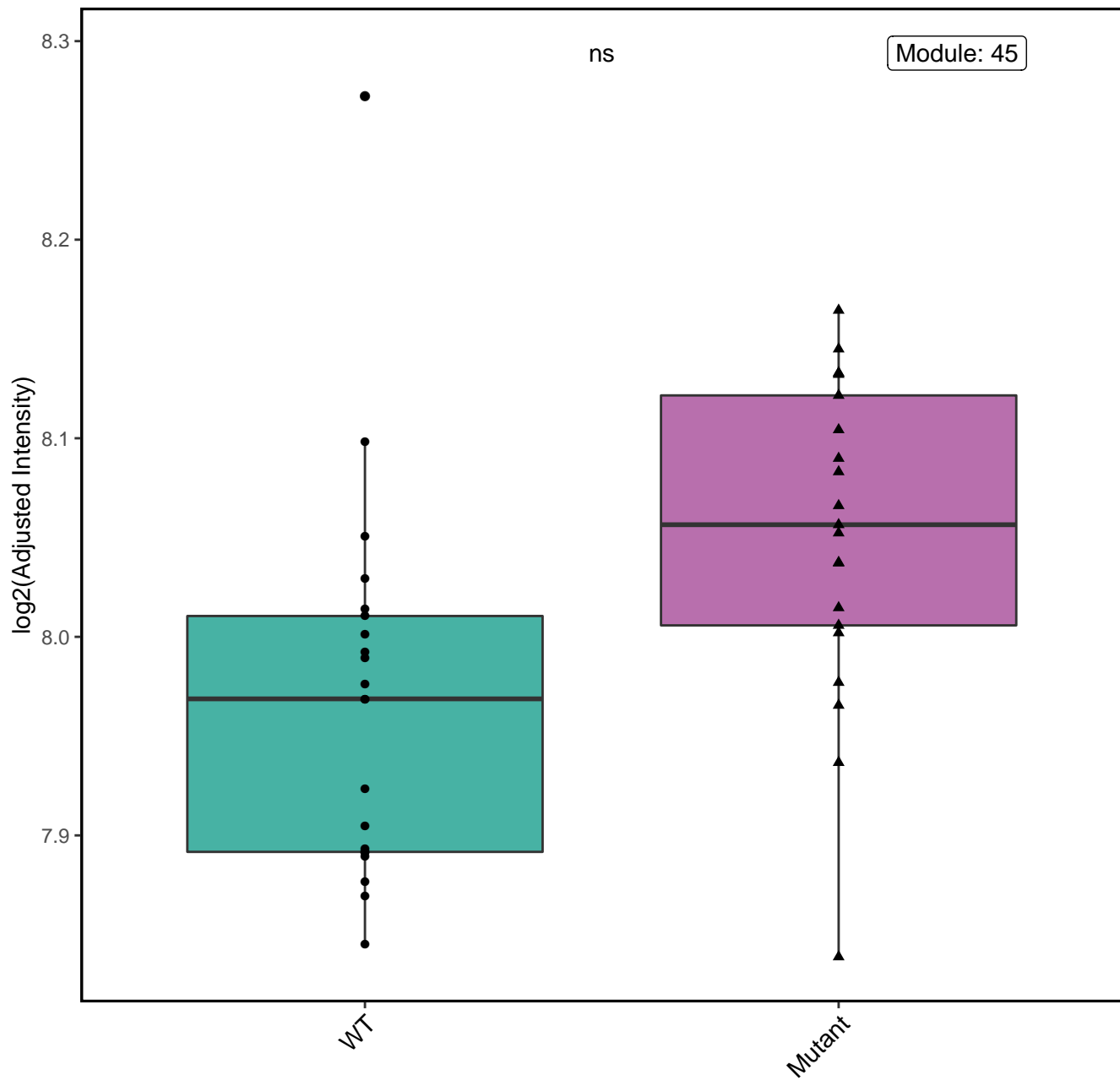
4.0

WT

Mutant

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log2(Adjusted Intensity)

8.6

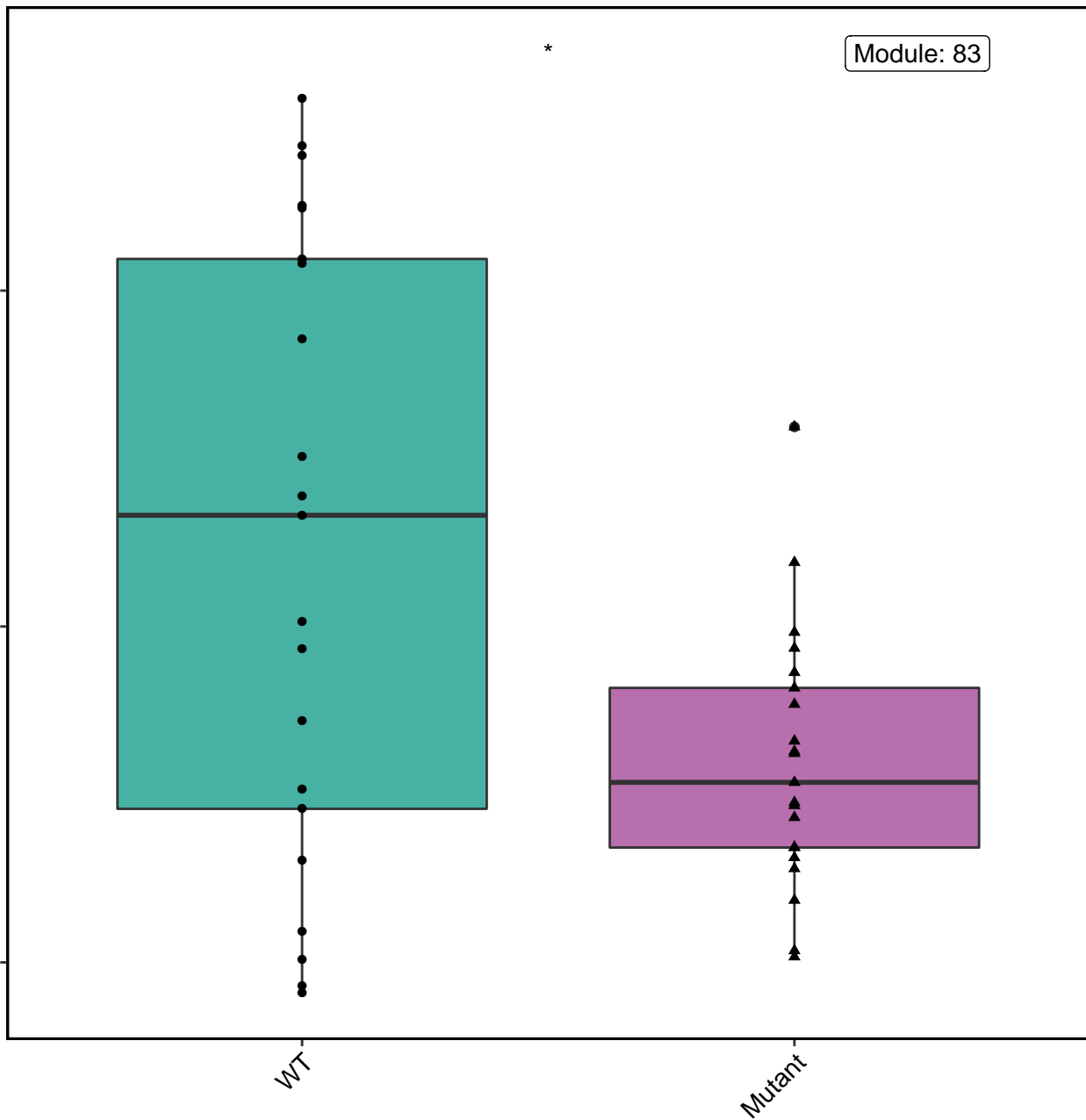
8.4

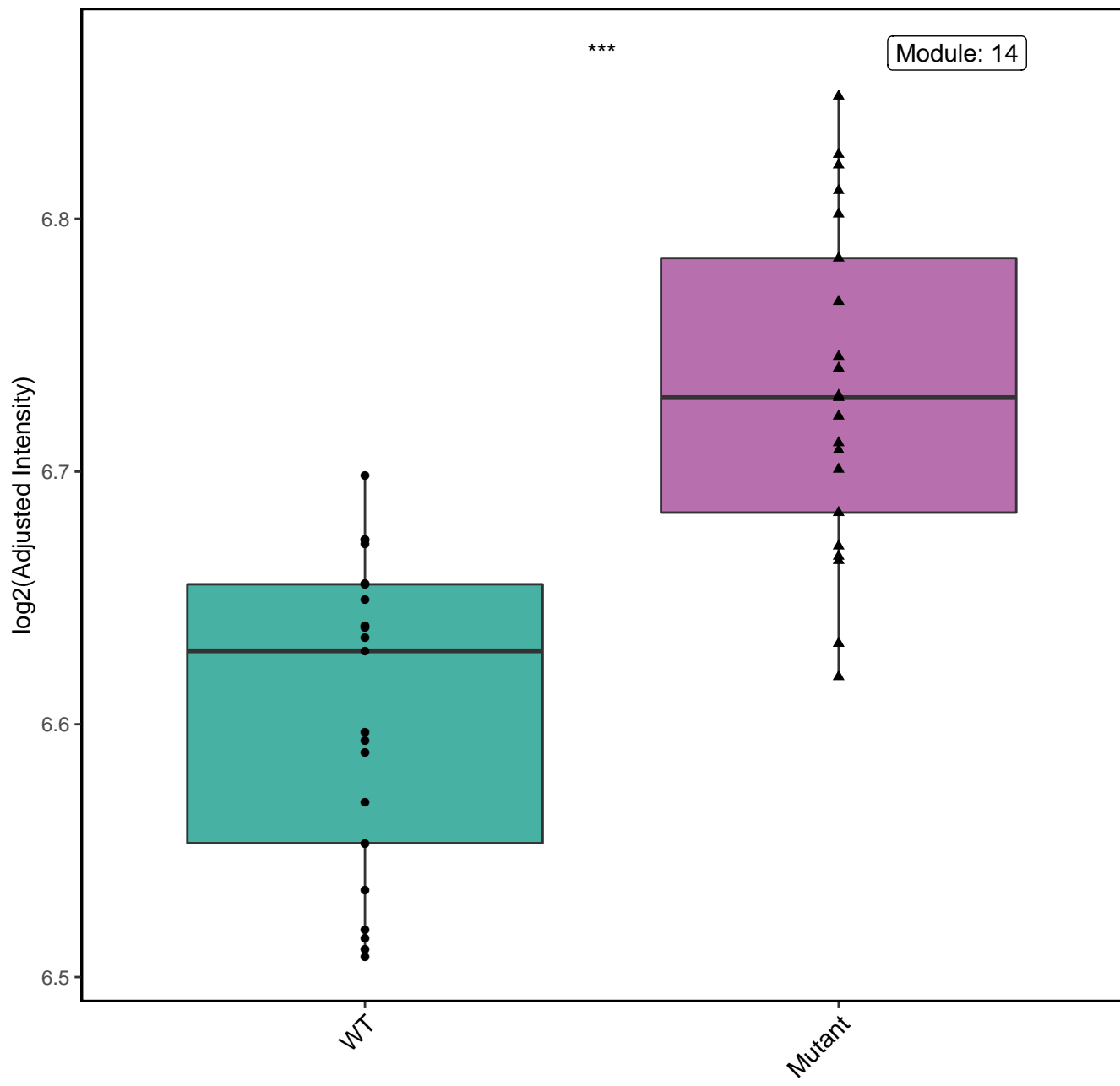
8.2

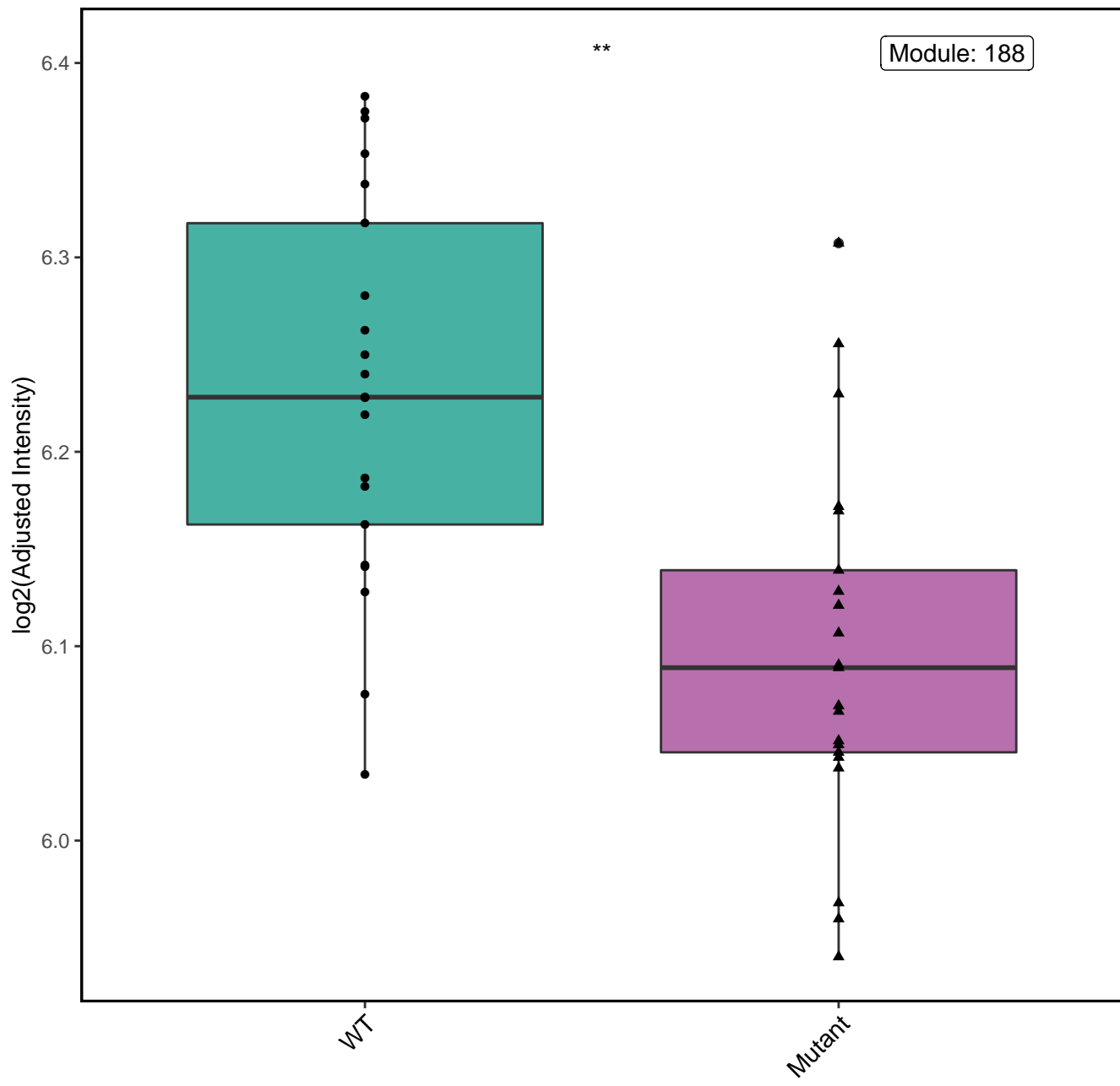
WT

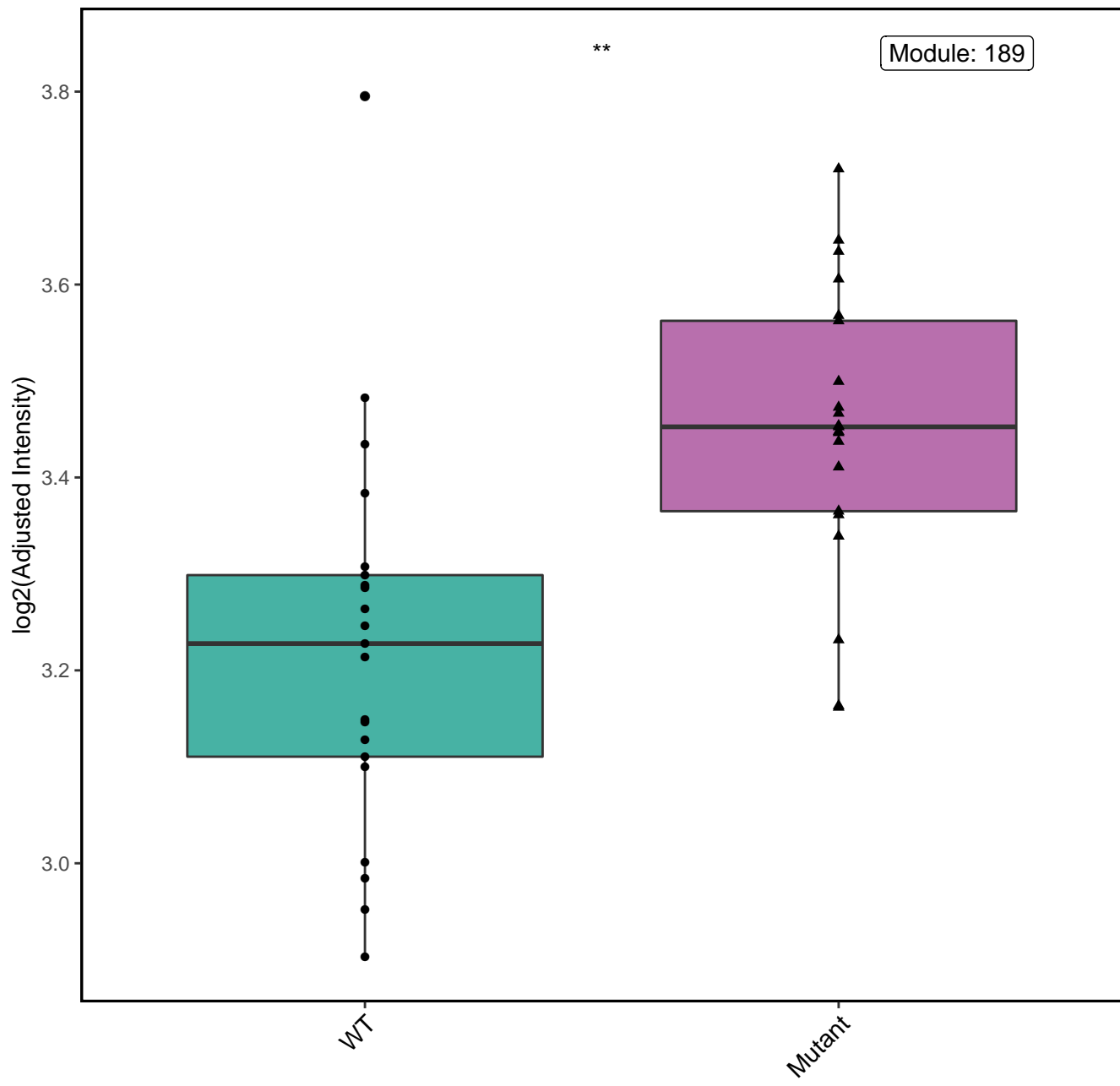
Mutant

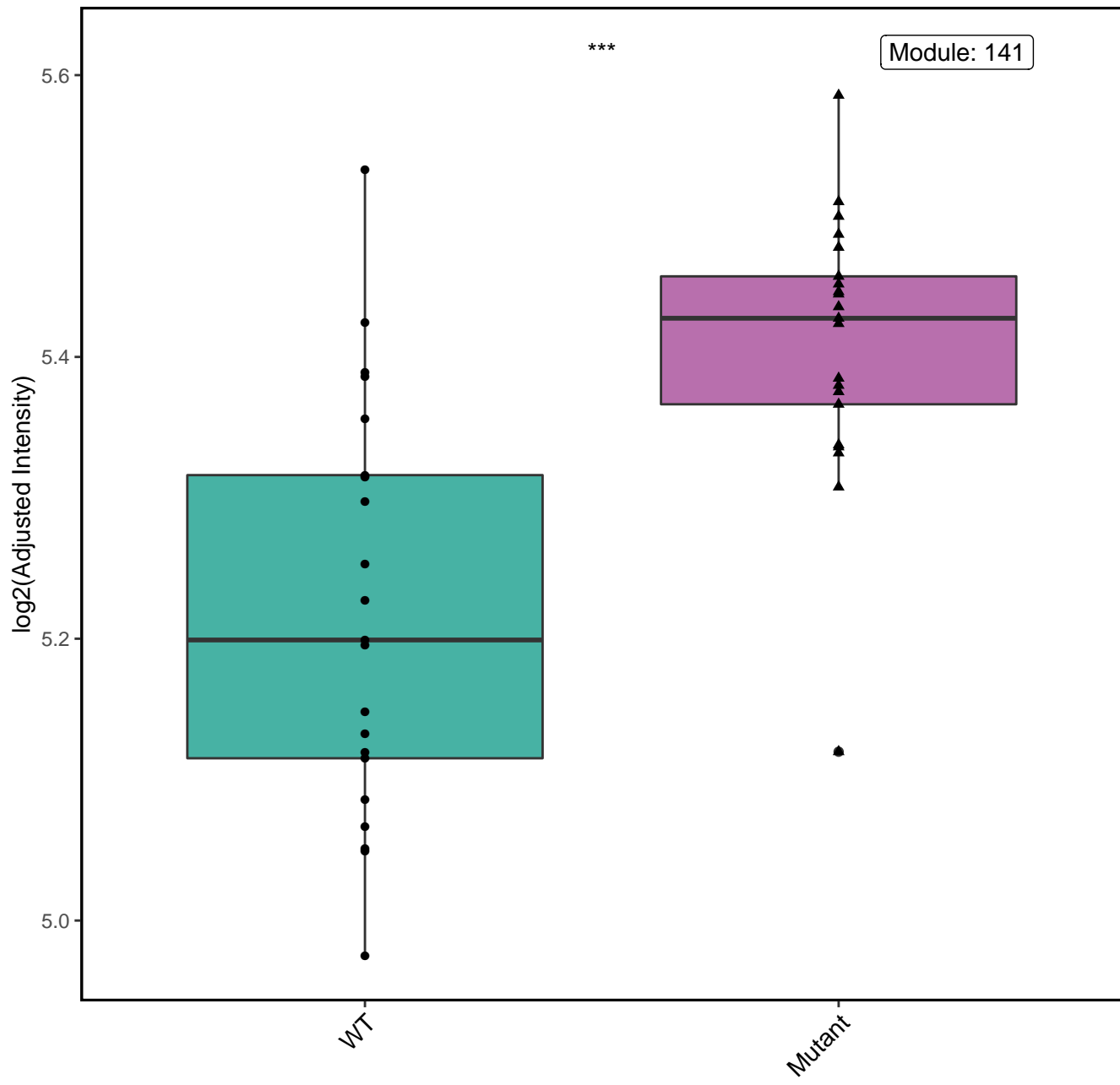
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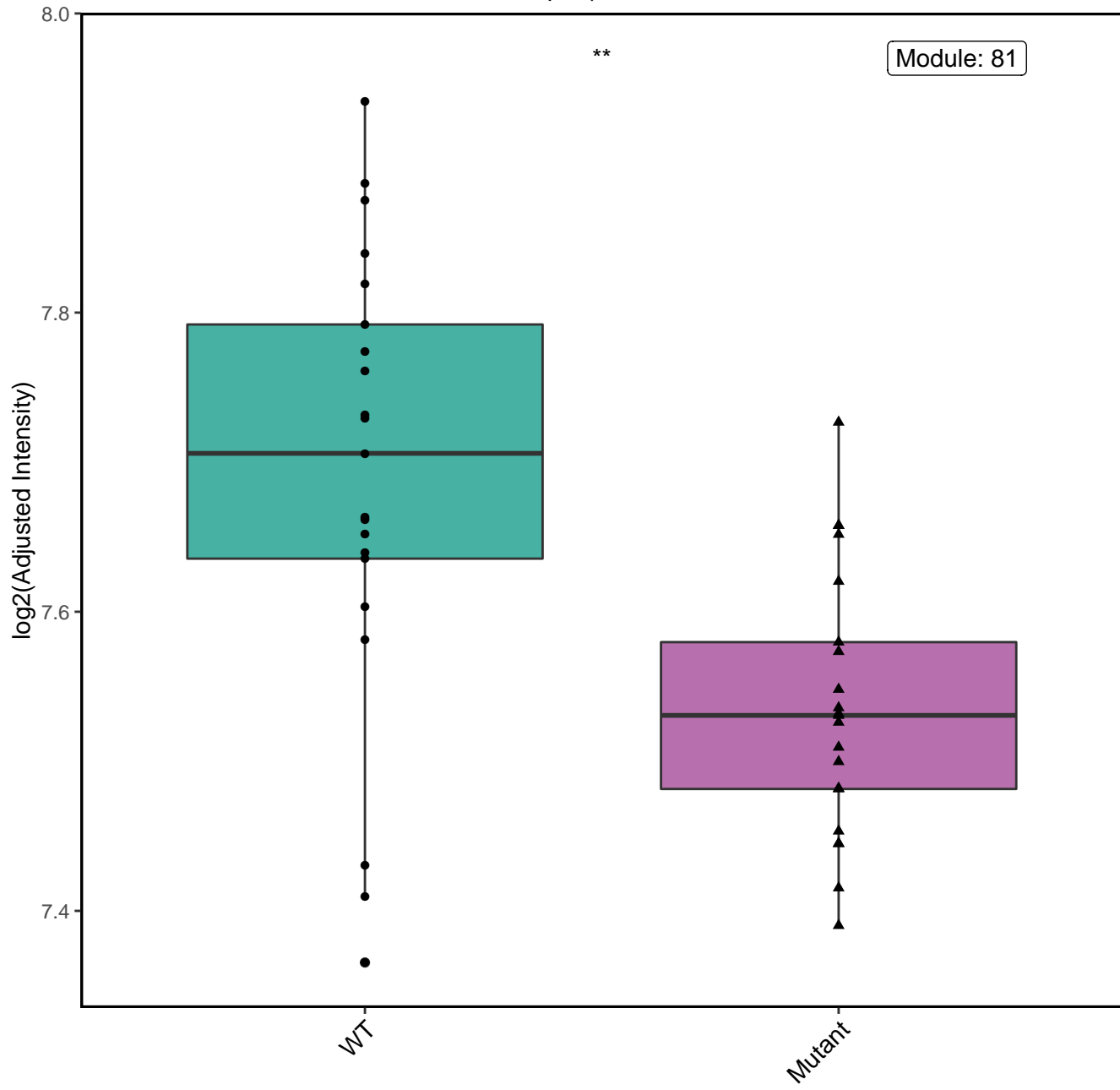












$\log_2(\text{Adjusted Intensity})$ 

6.4

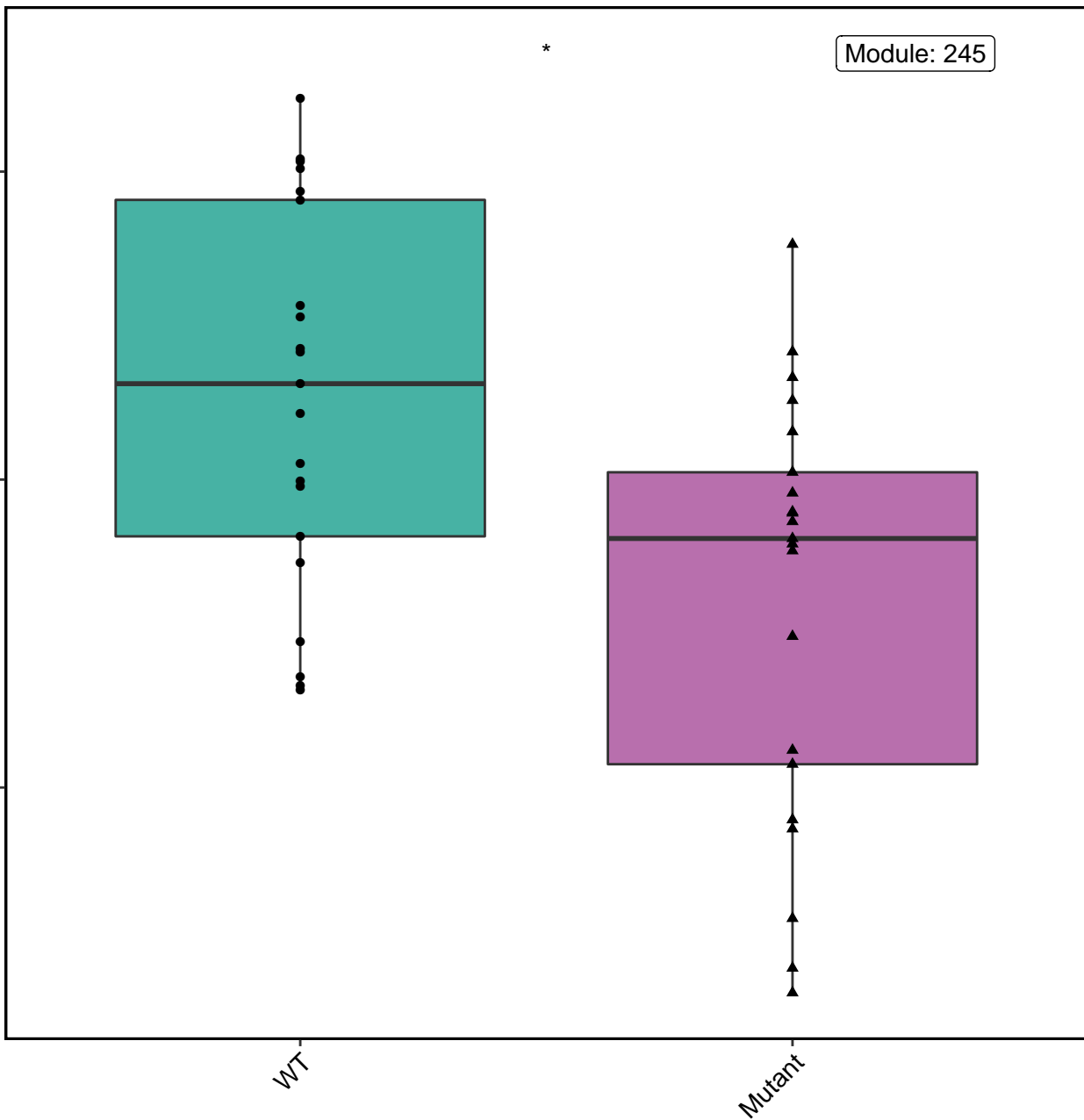
6.2

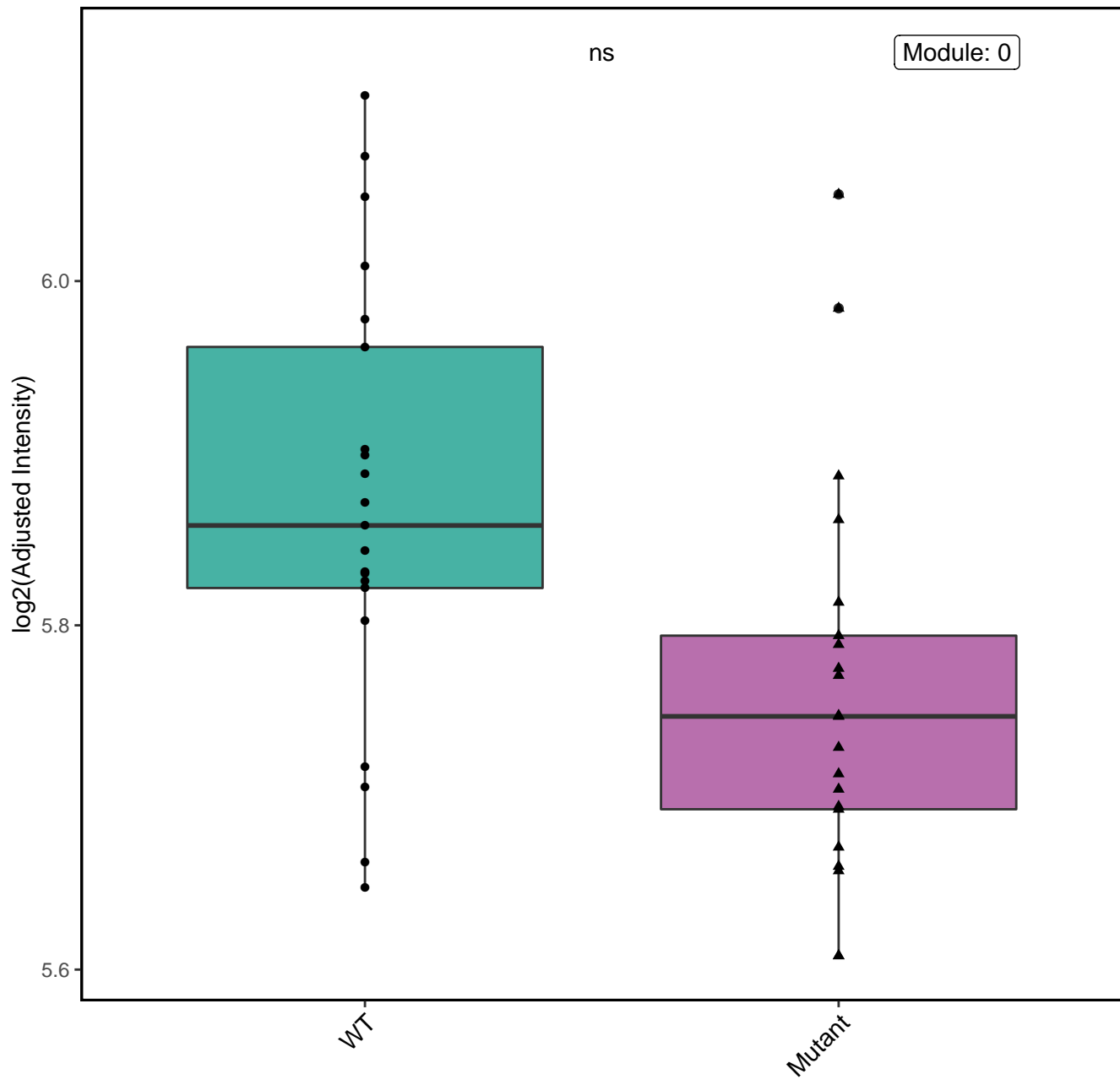
6.0

WT

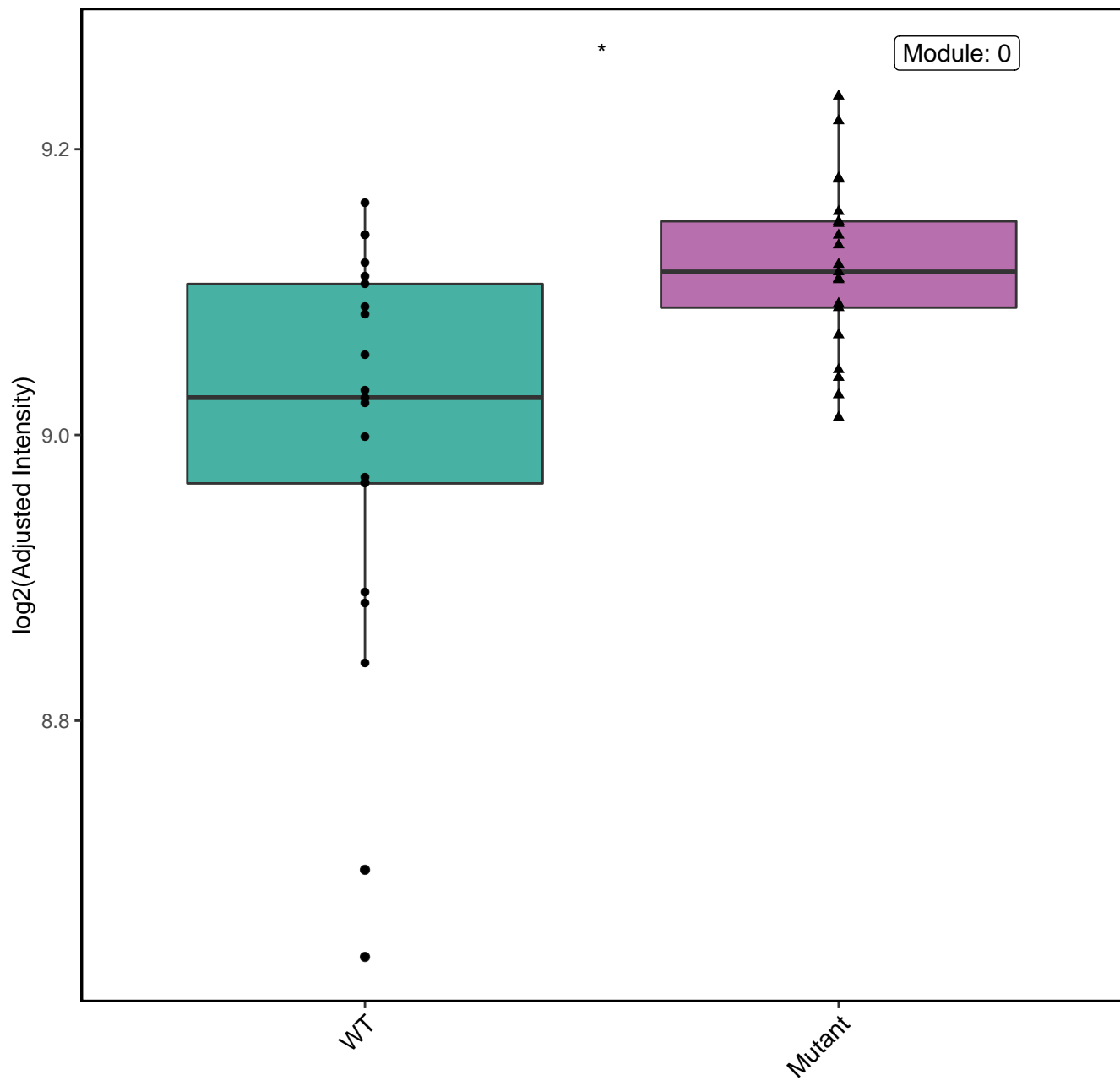
Mutant

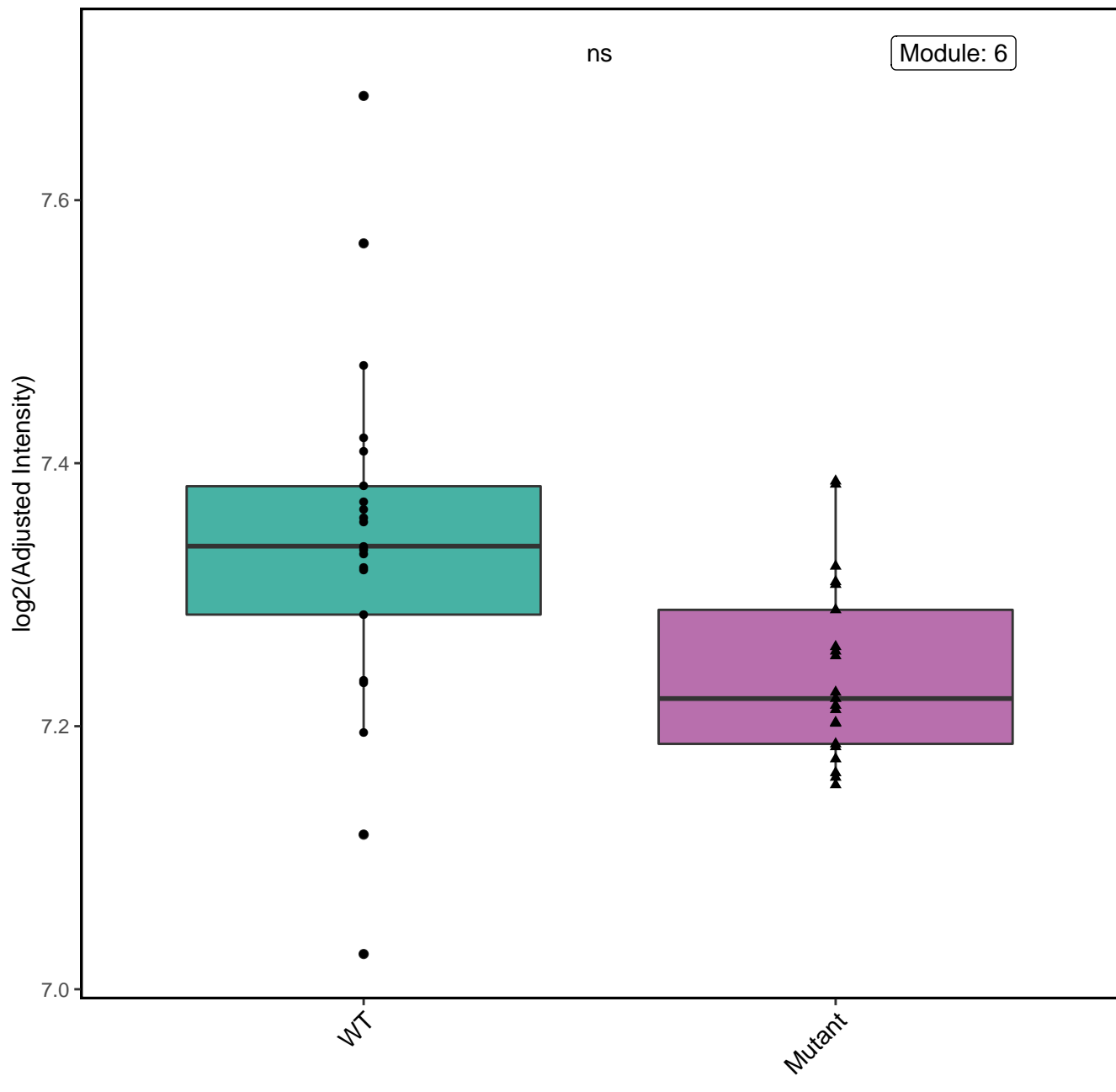
\*

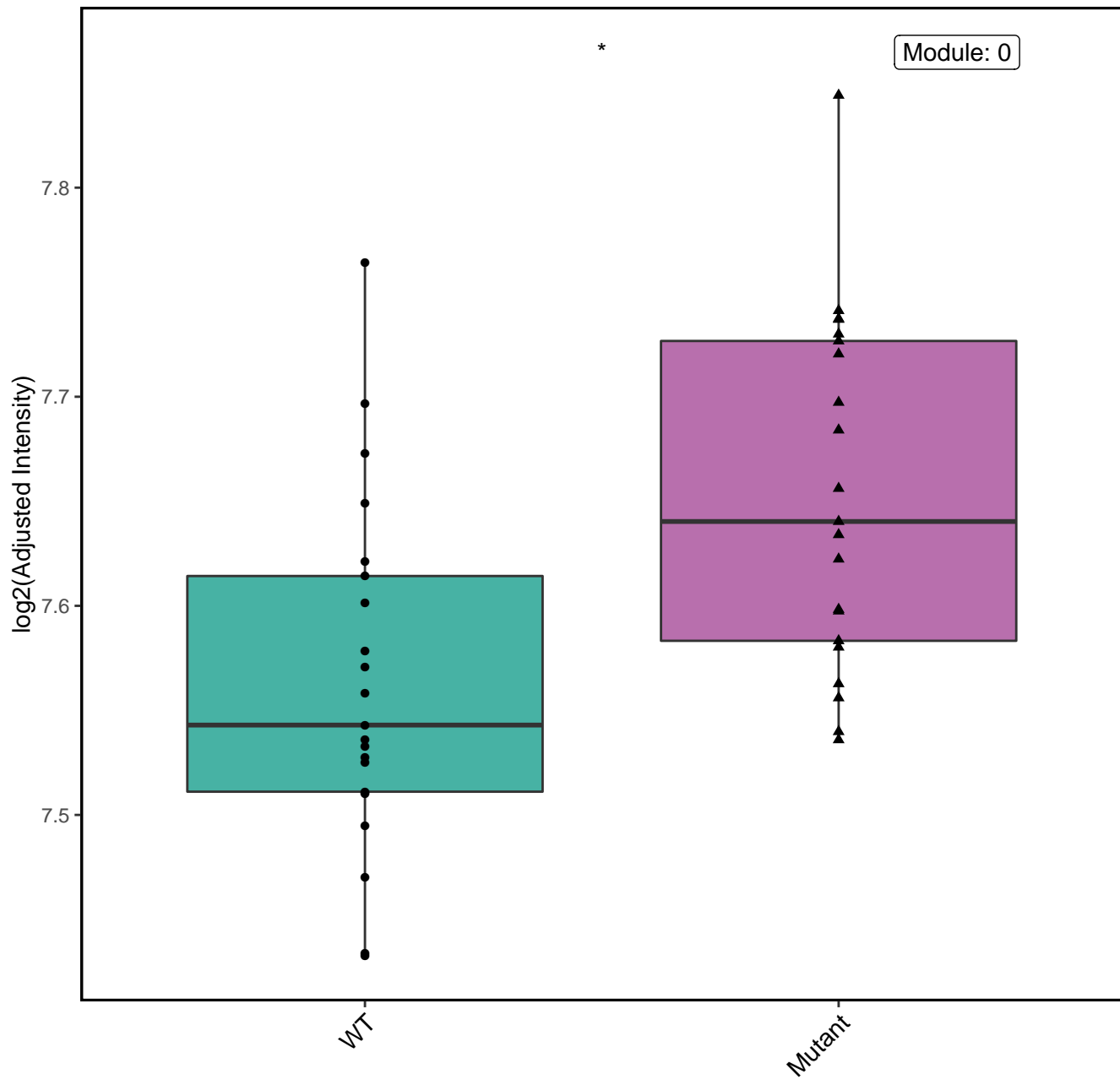


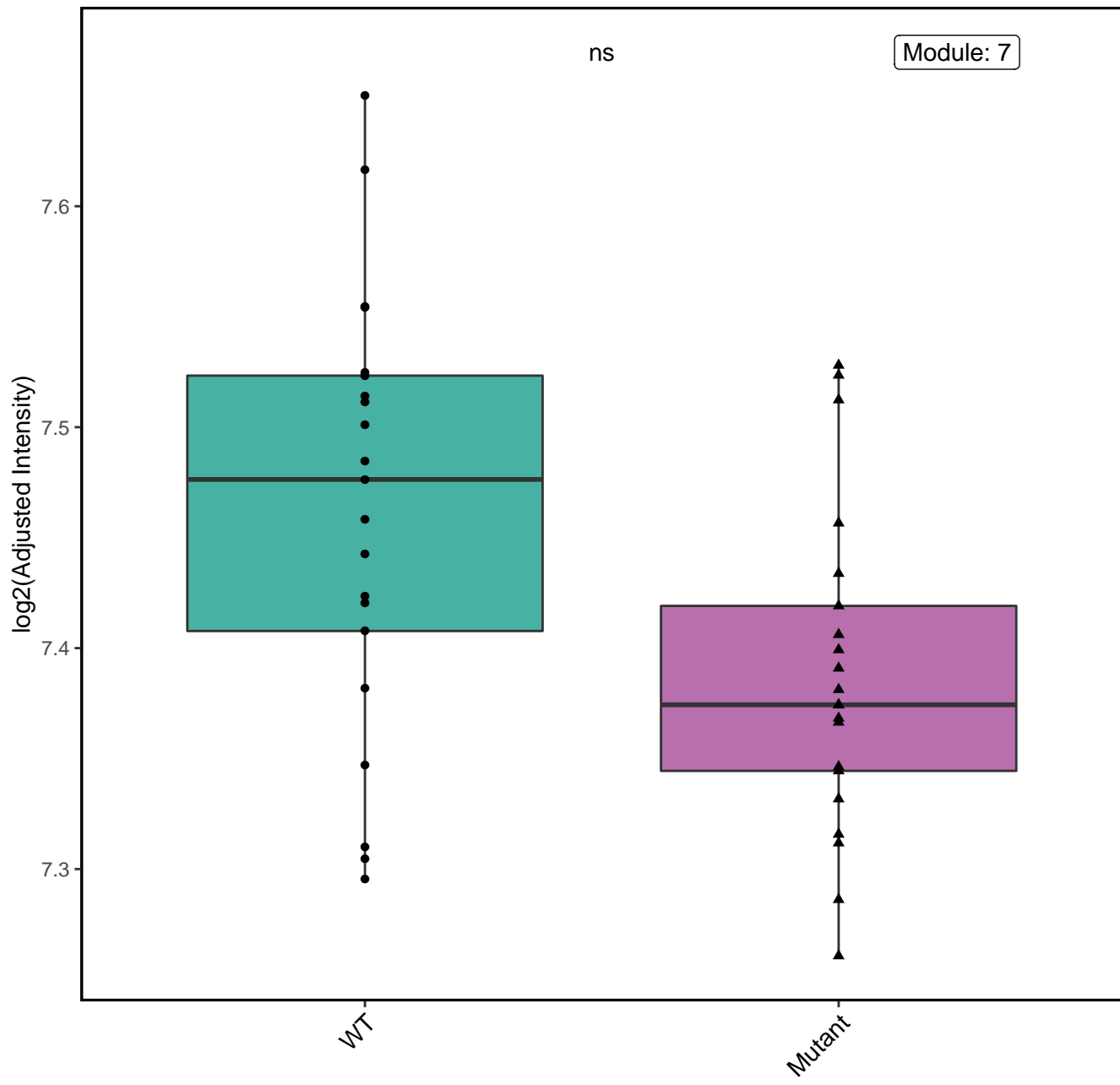


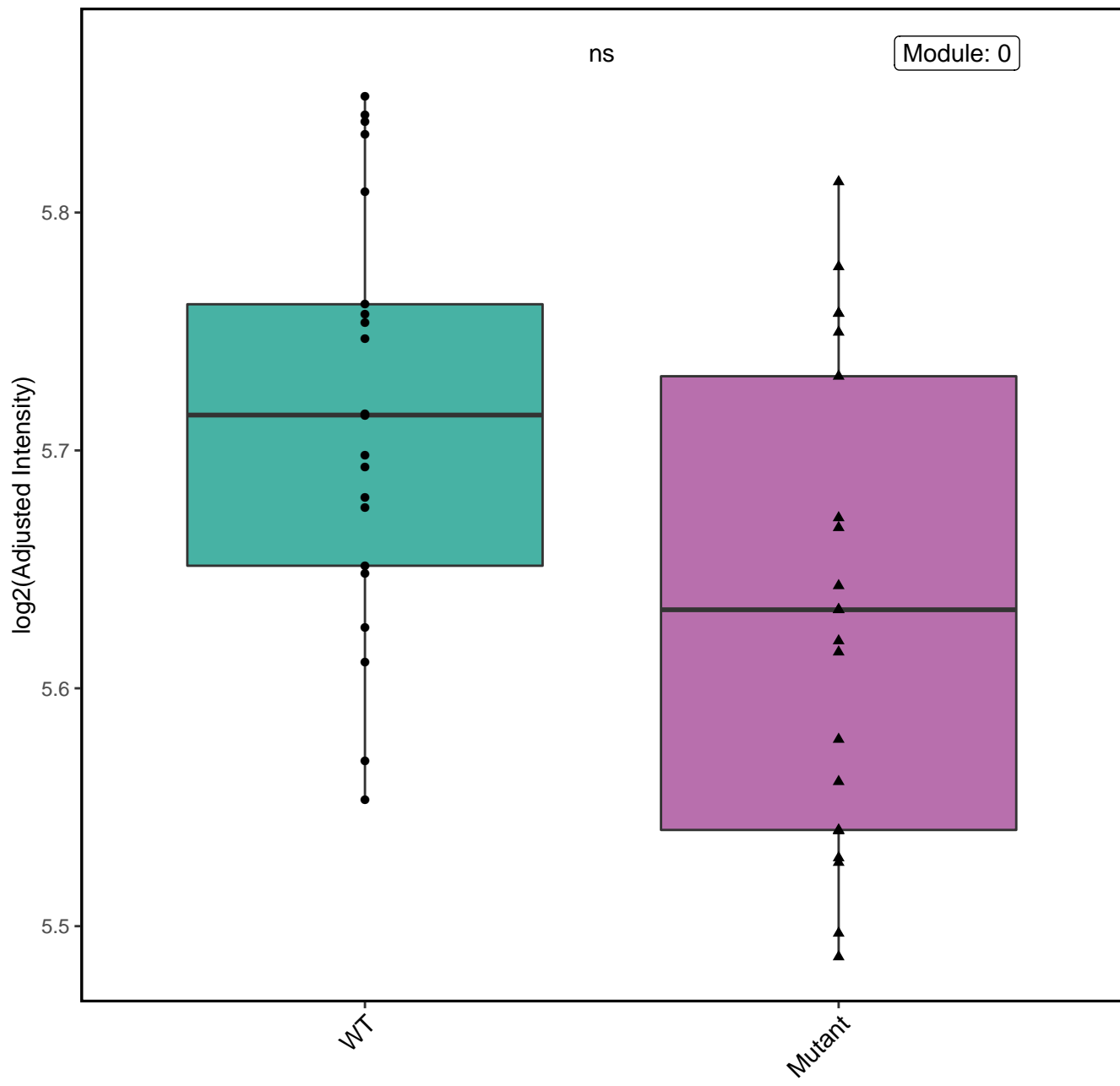


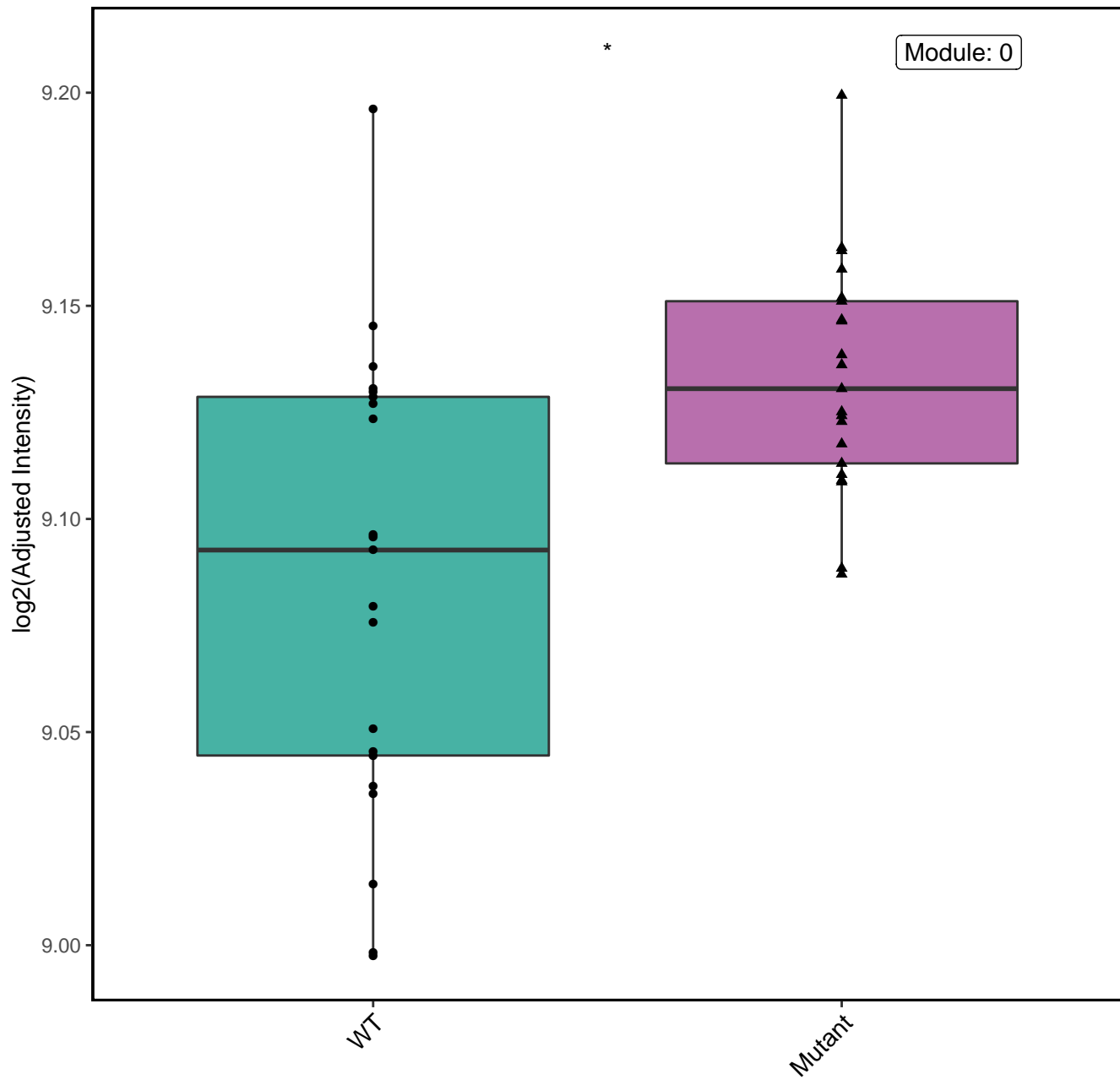


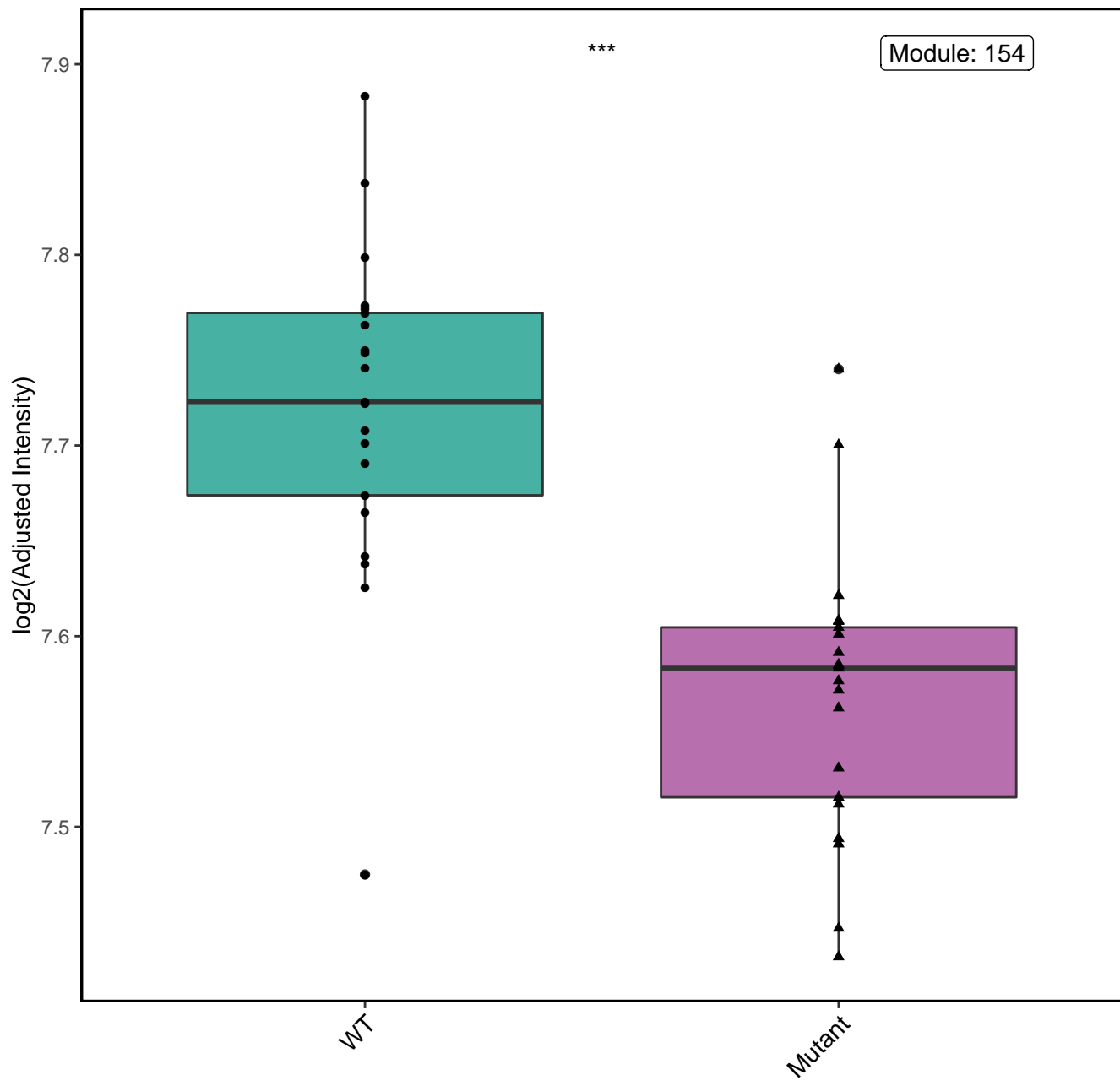


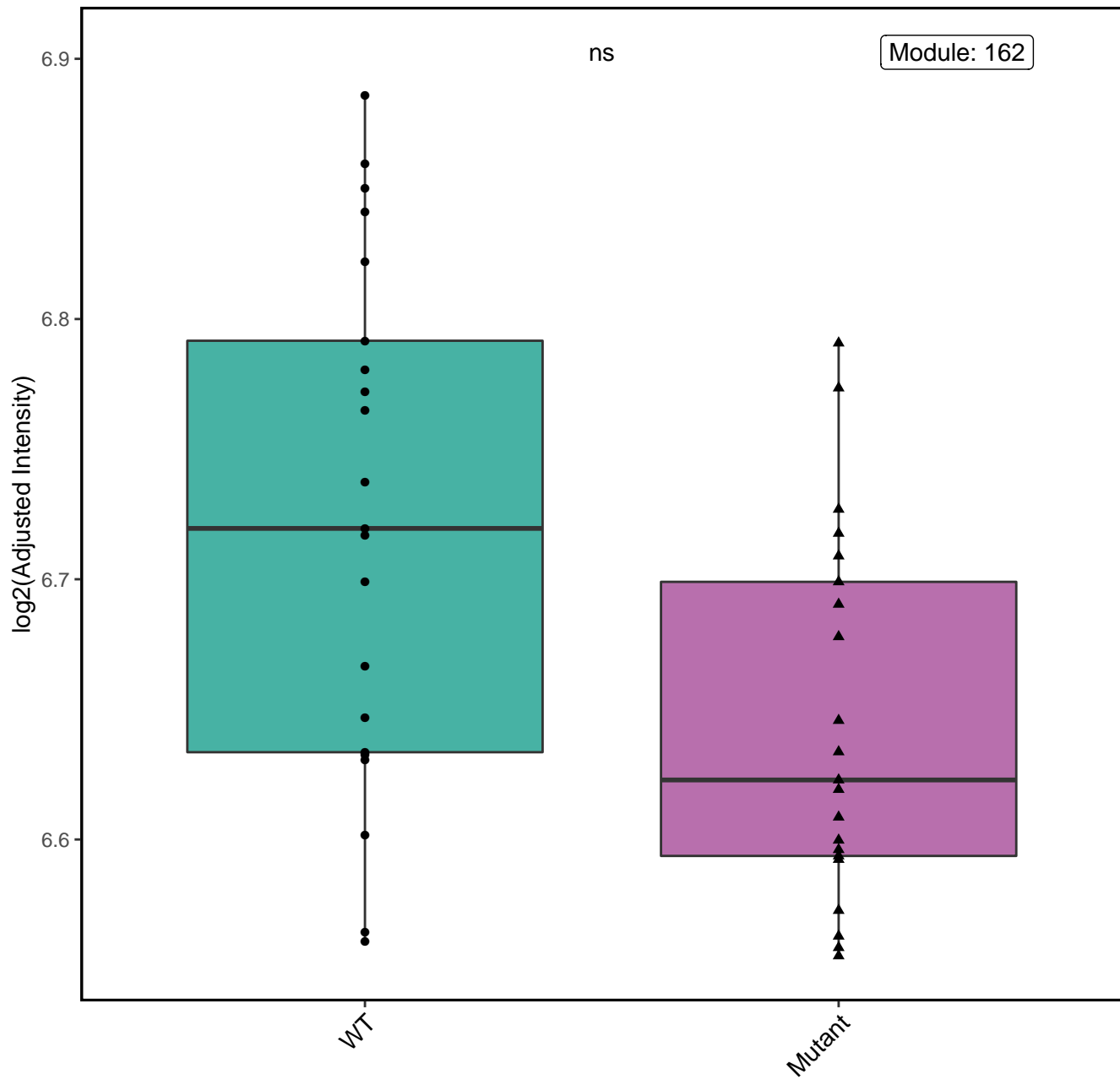














log2(Adjusted Intensity)

7.1

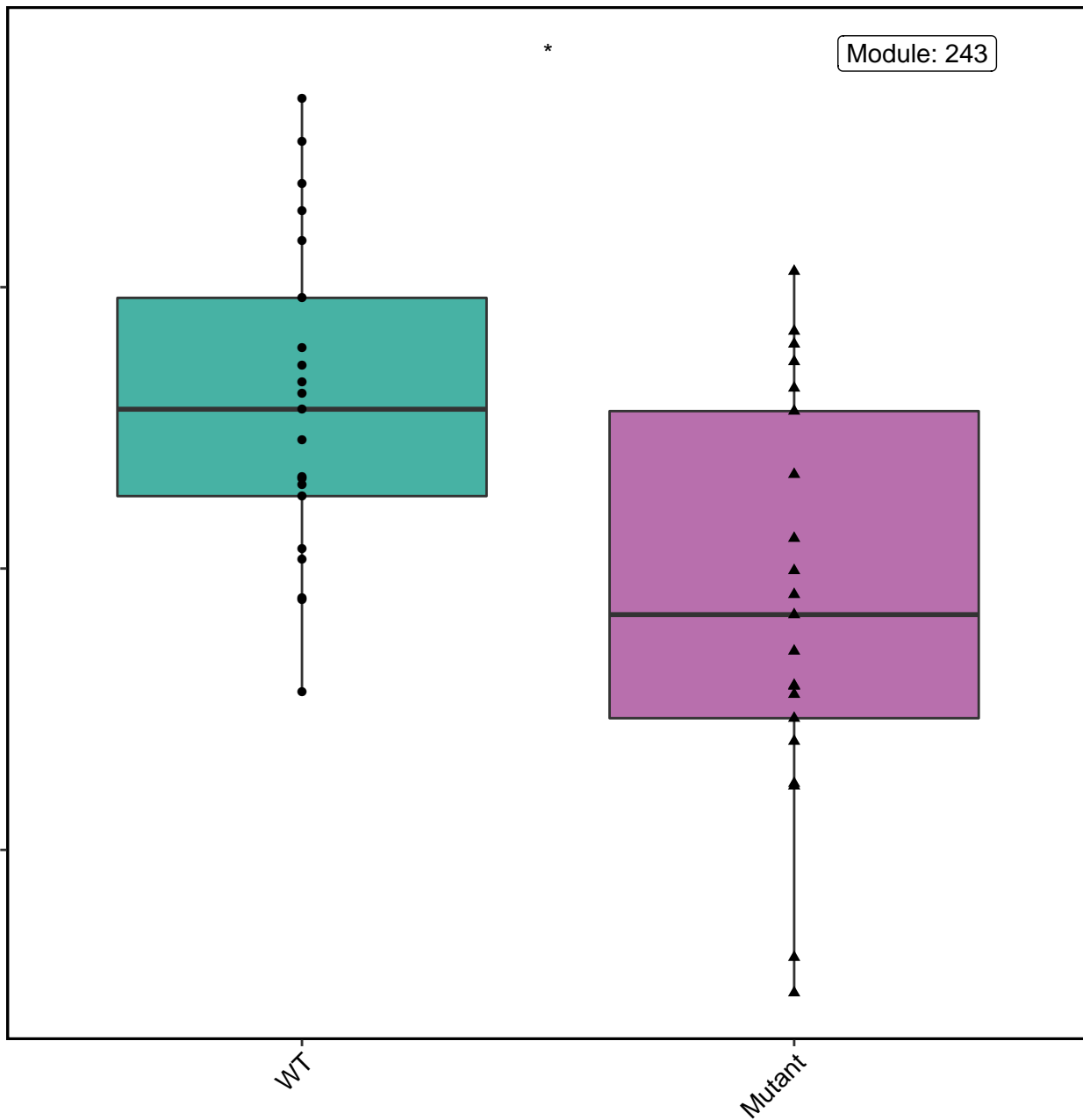
6.9

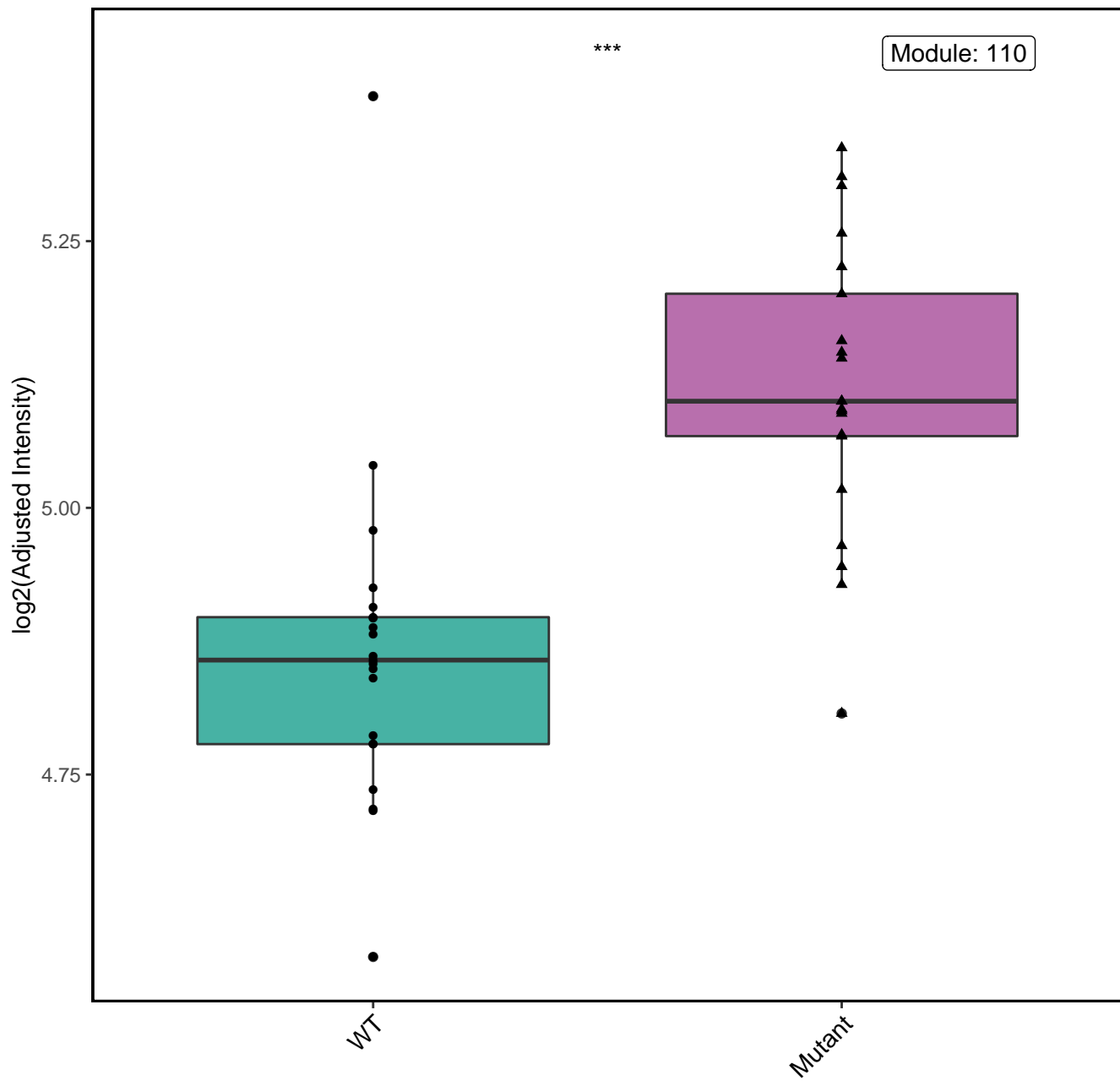
6.7

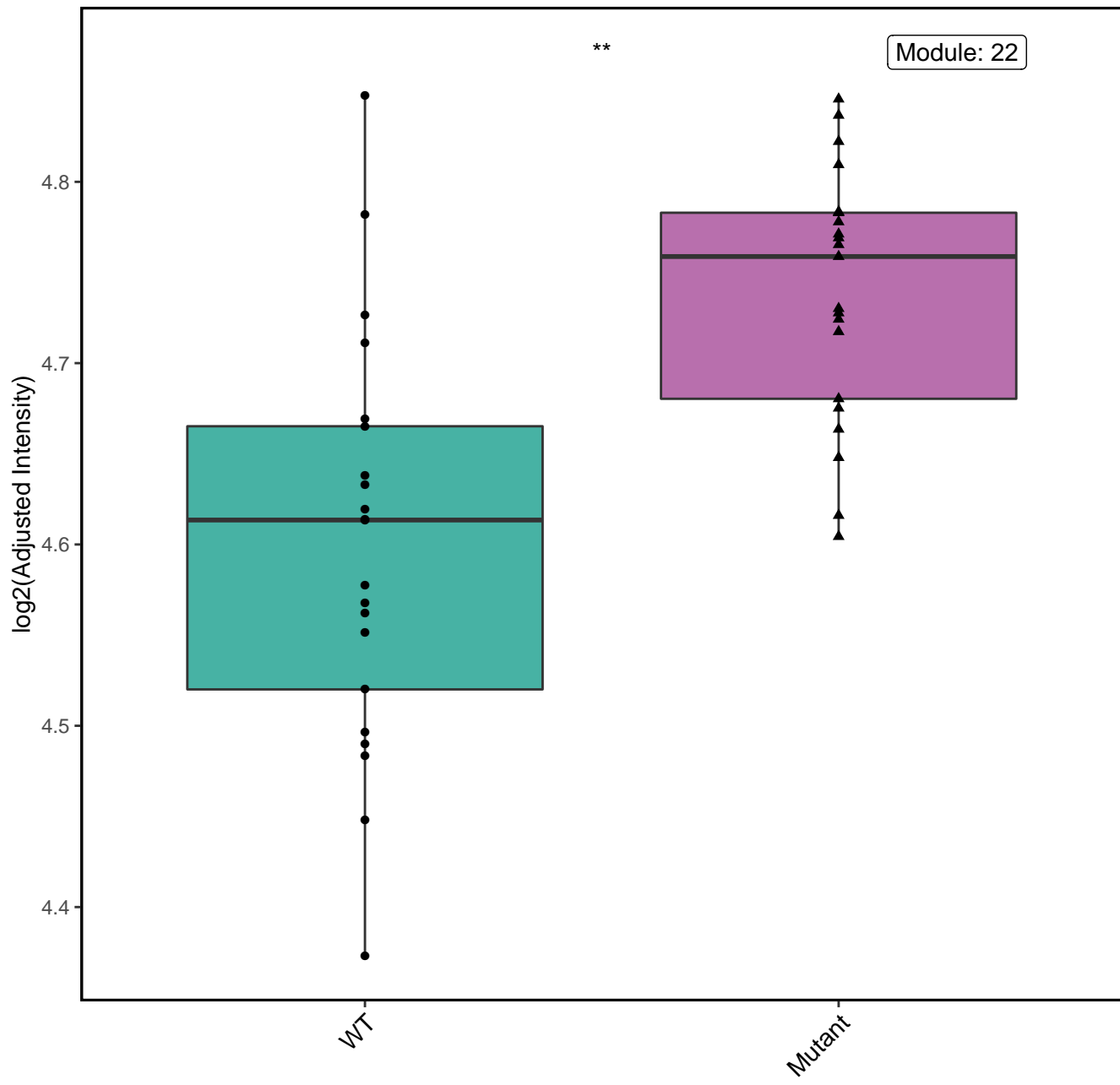
WT

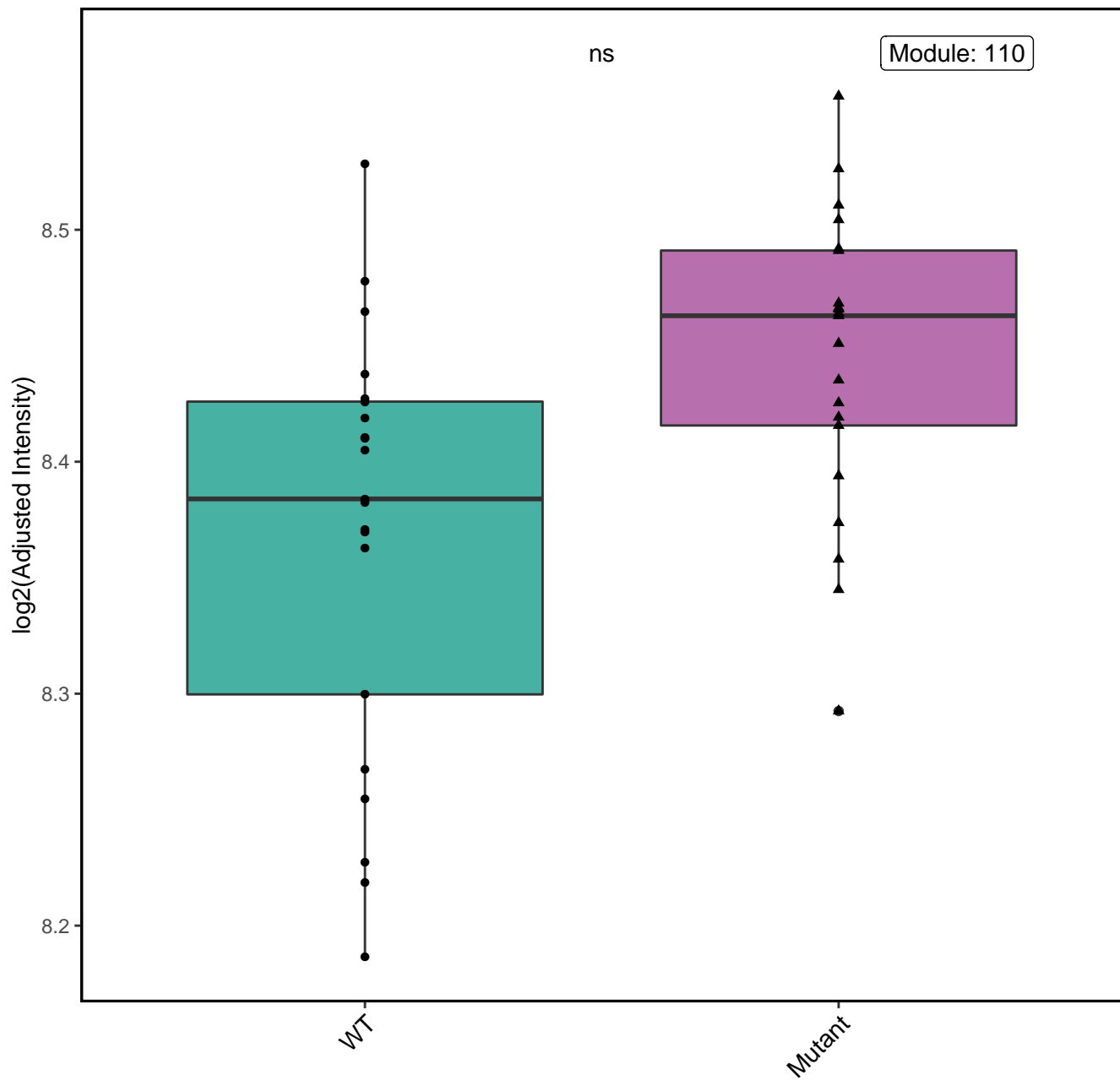
Mutant

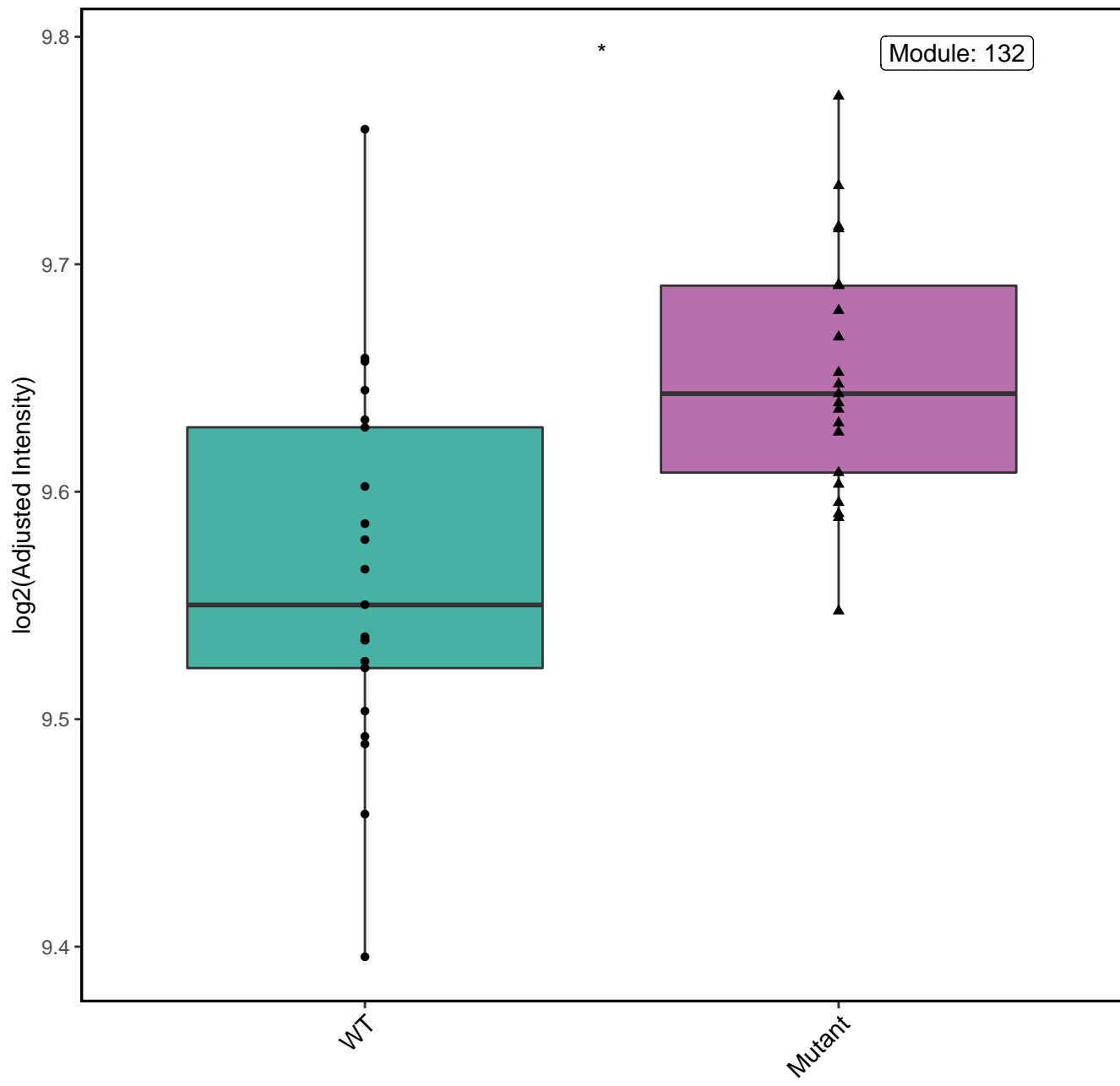
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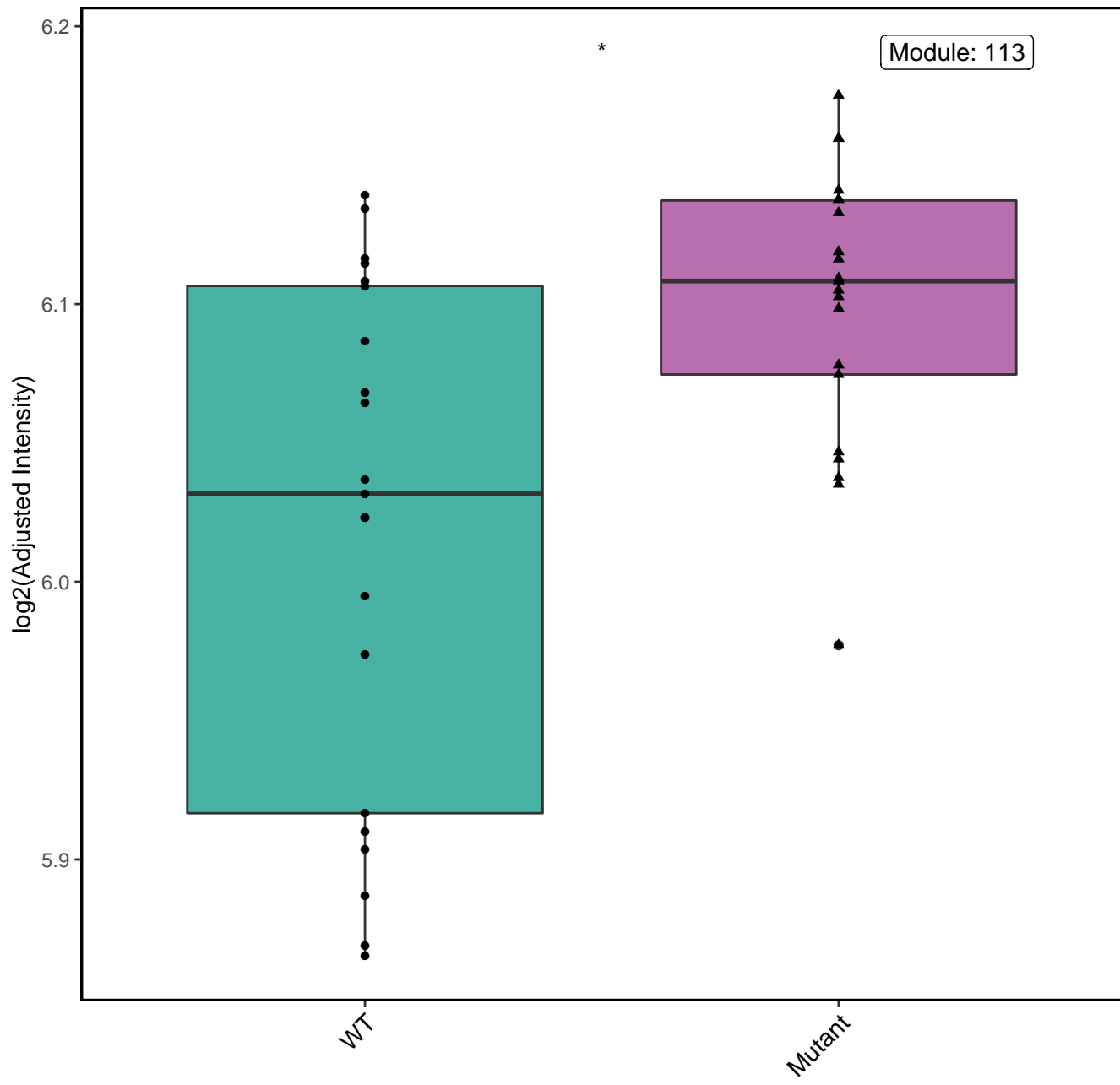


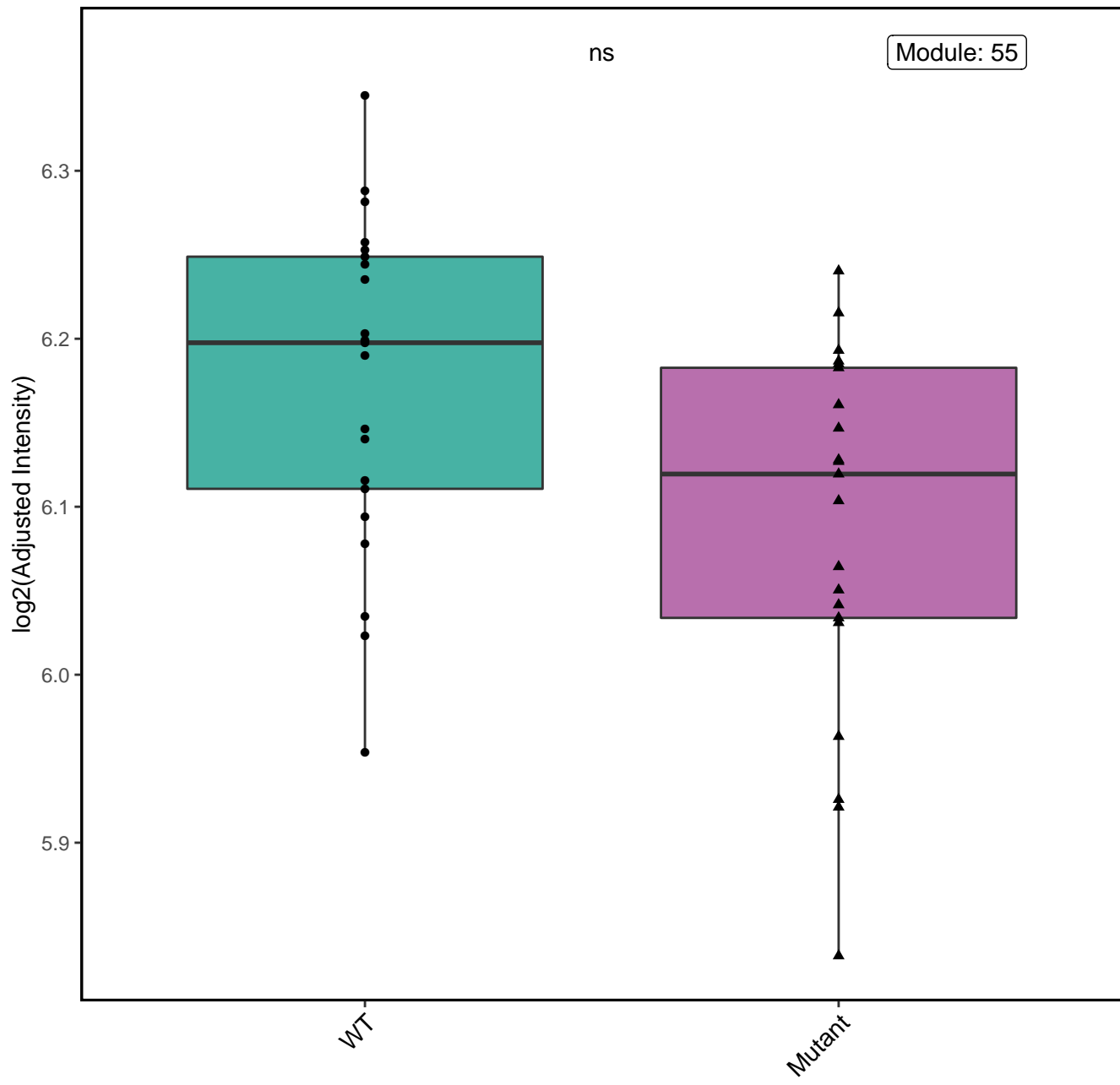


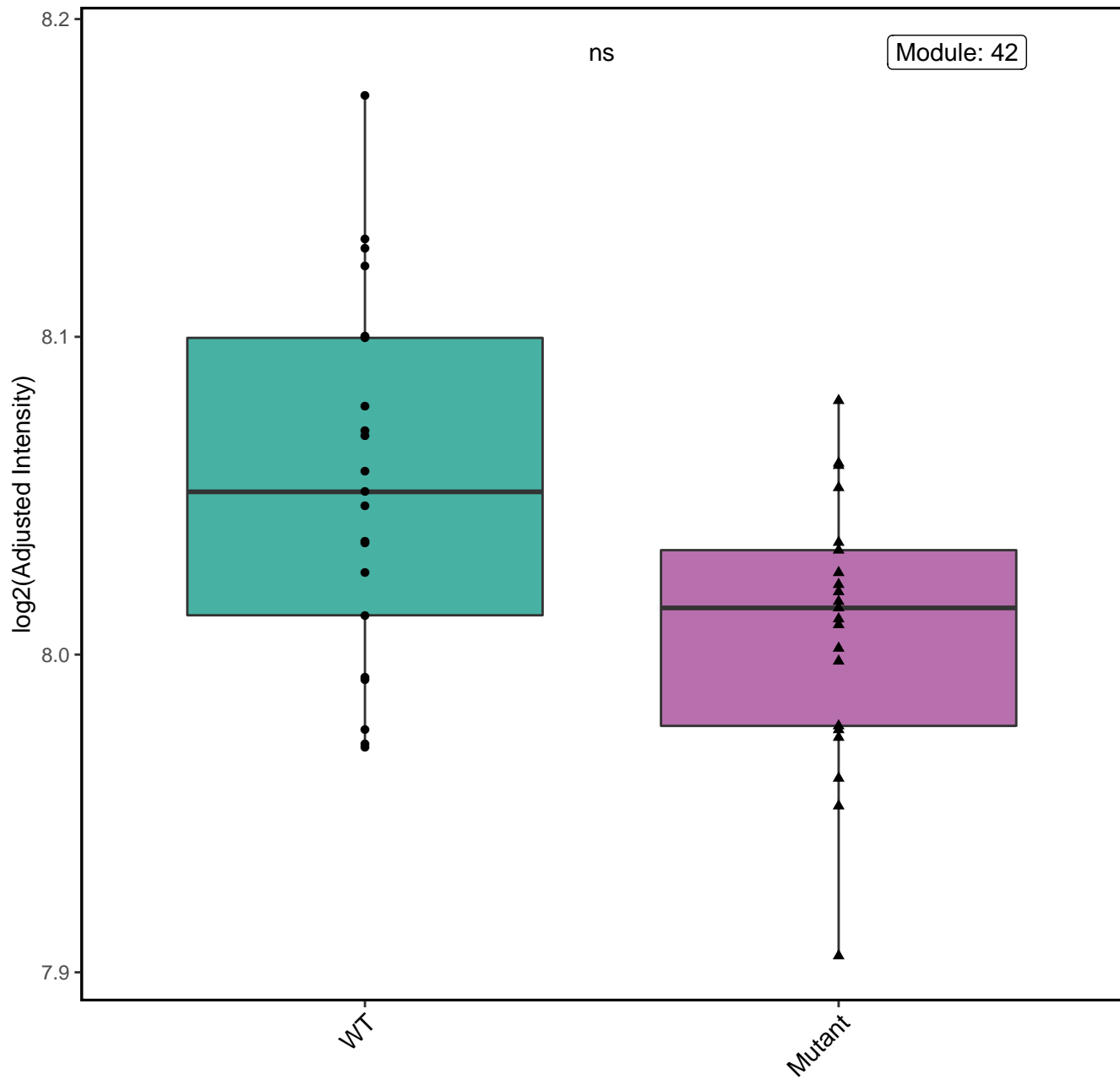




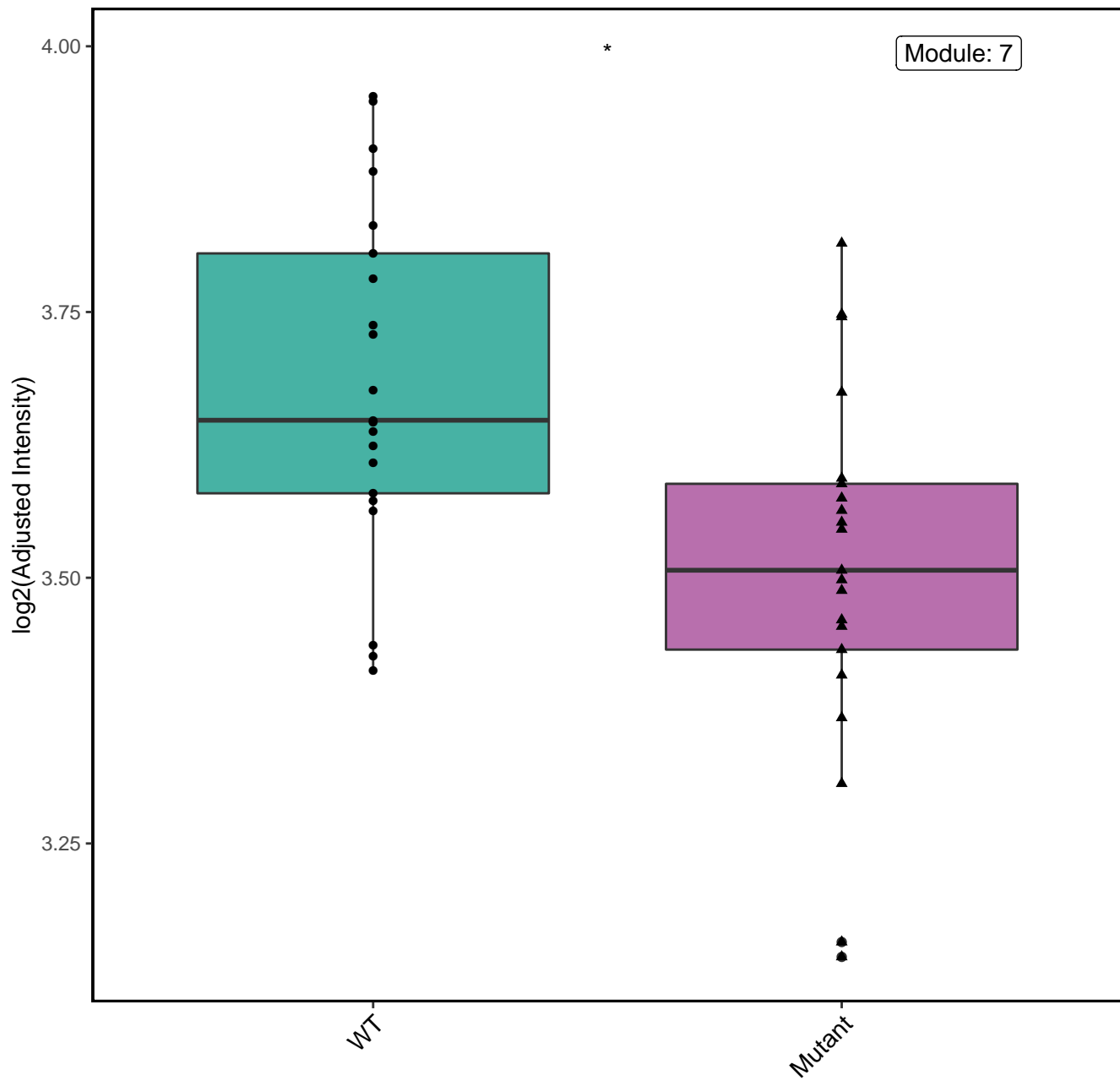


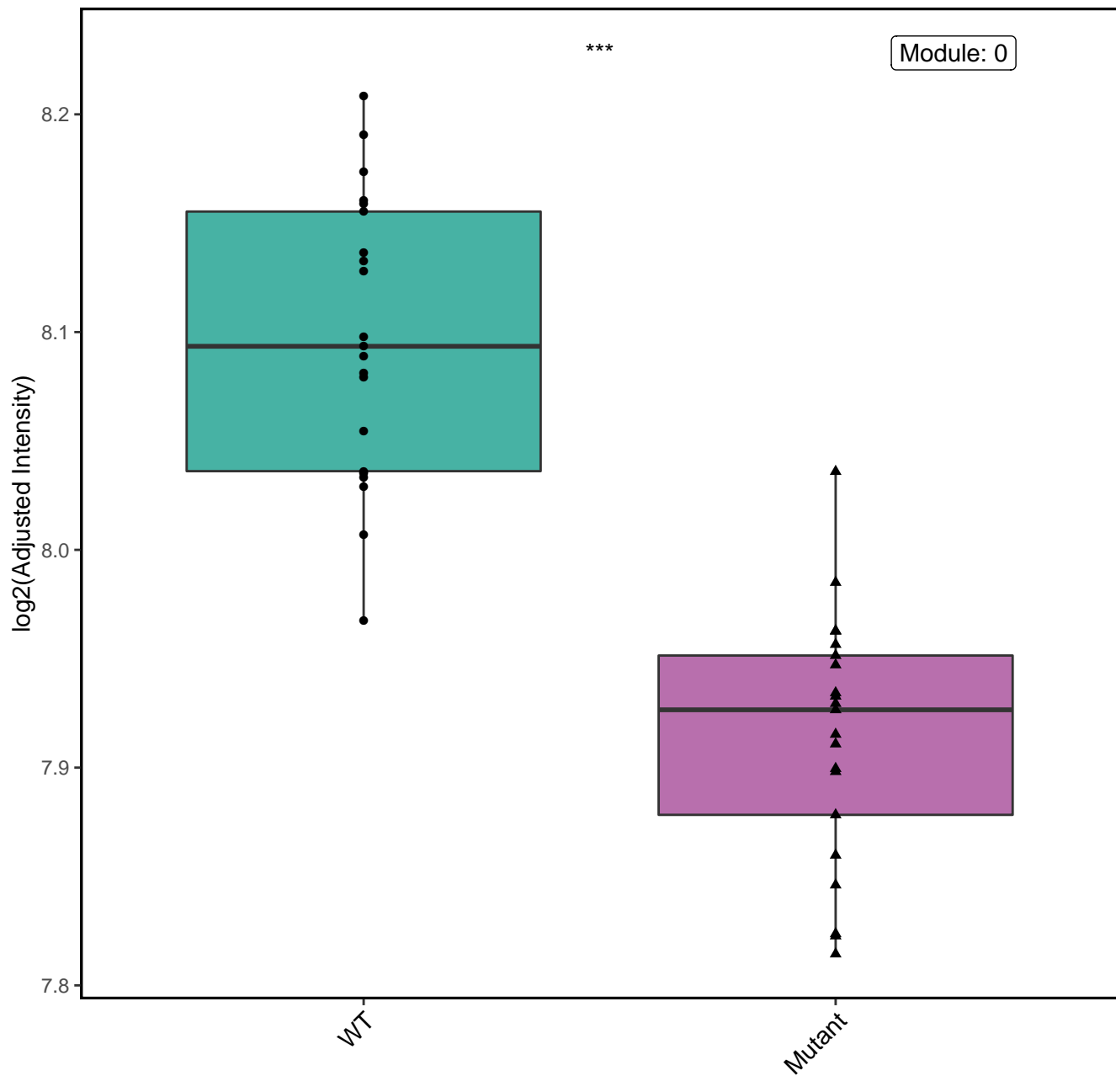


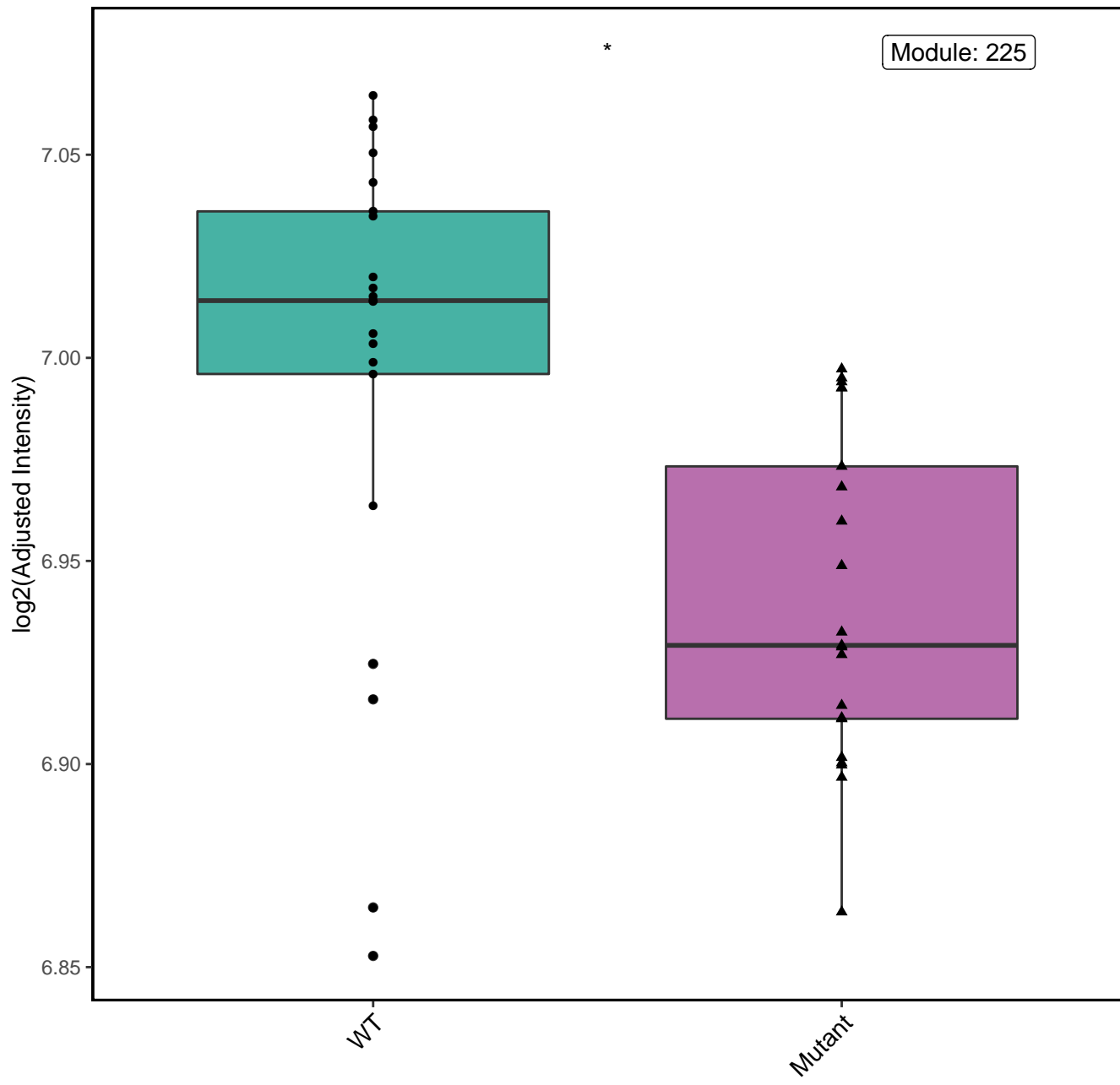


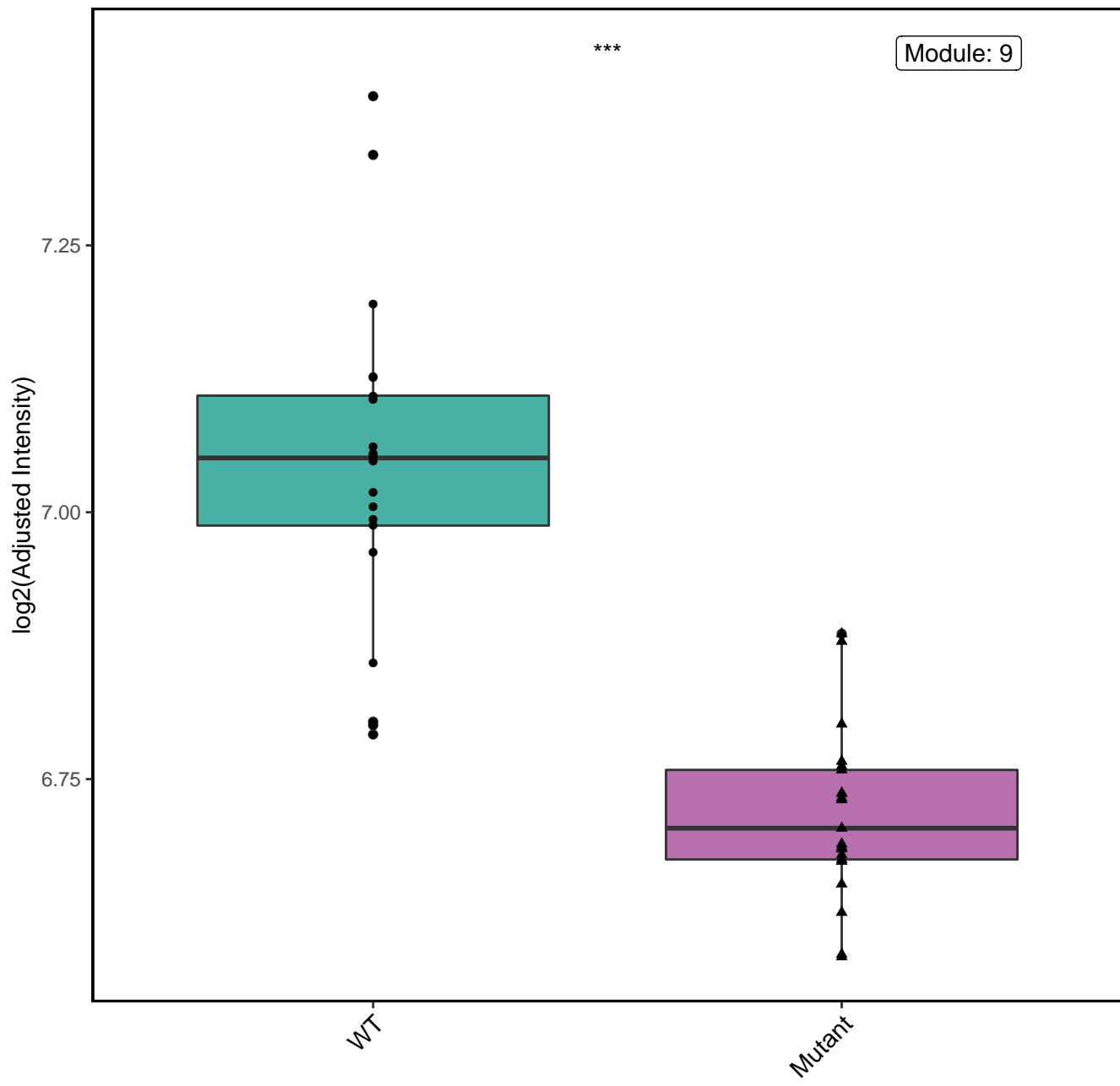


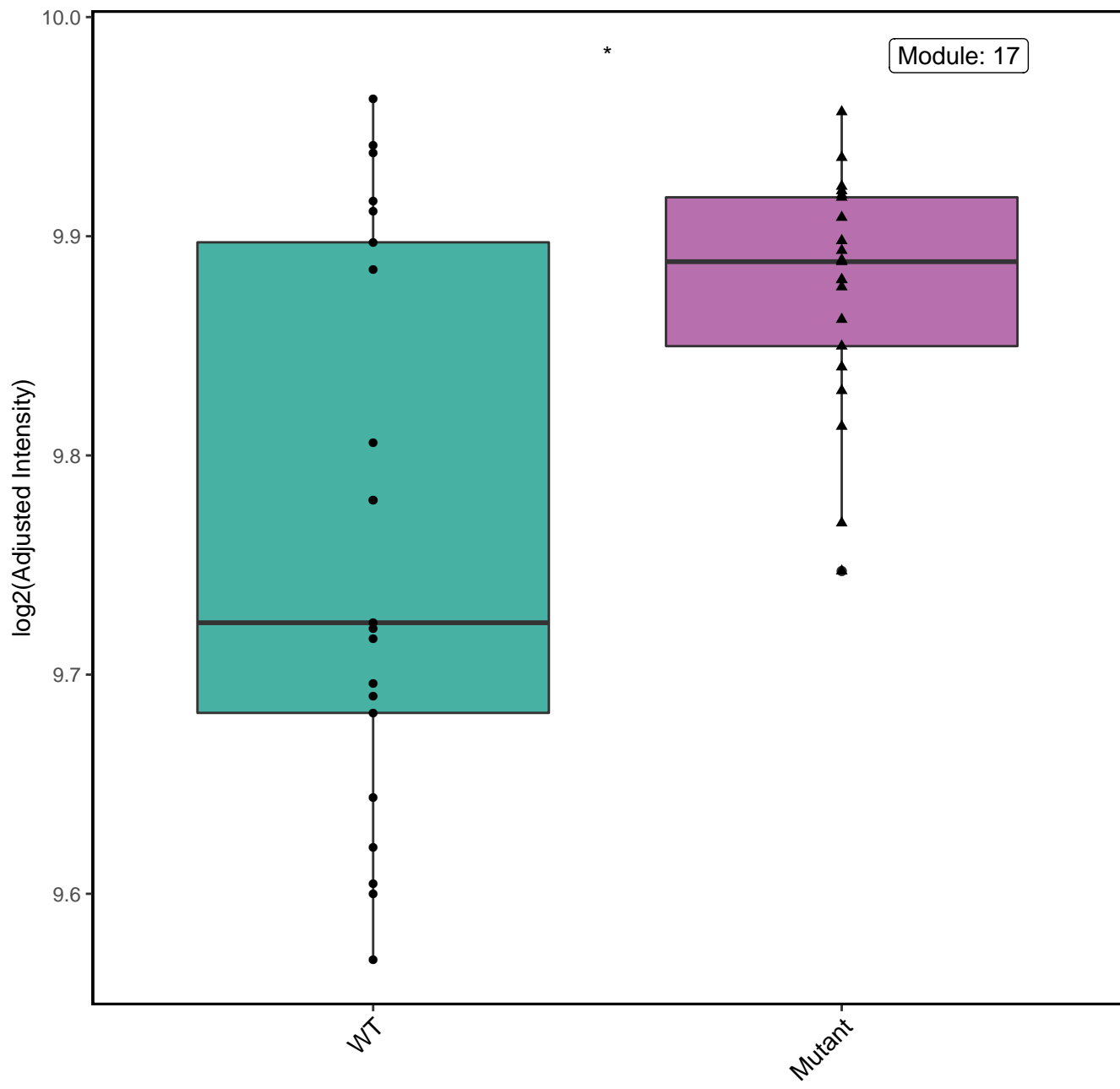


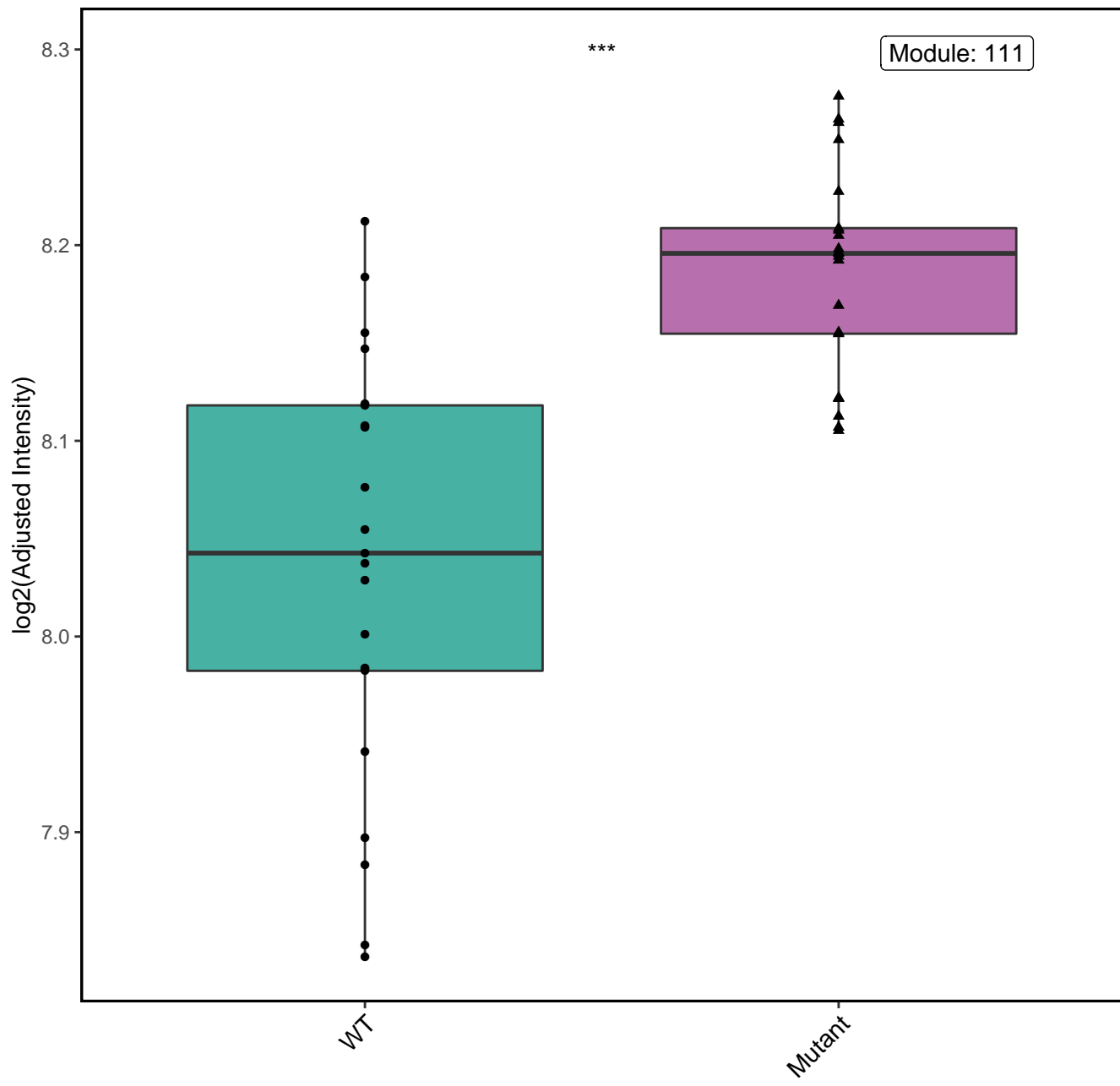


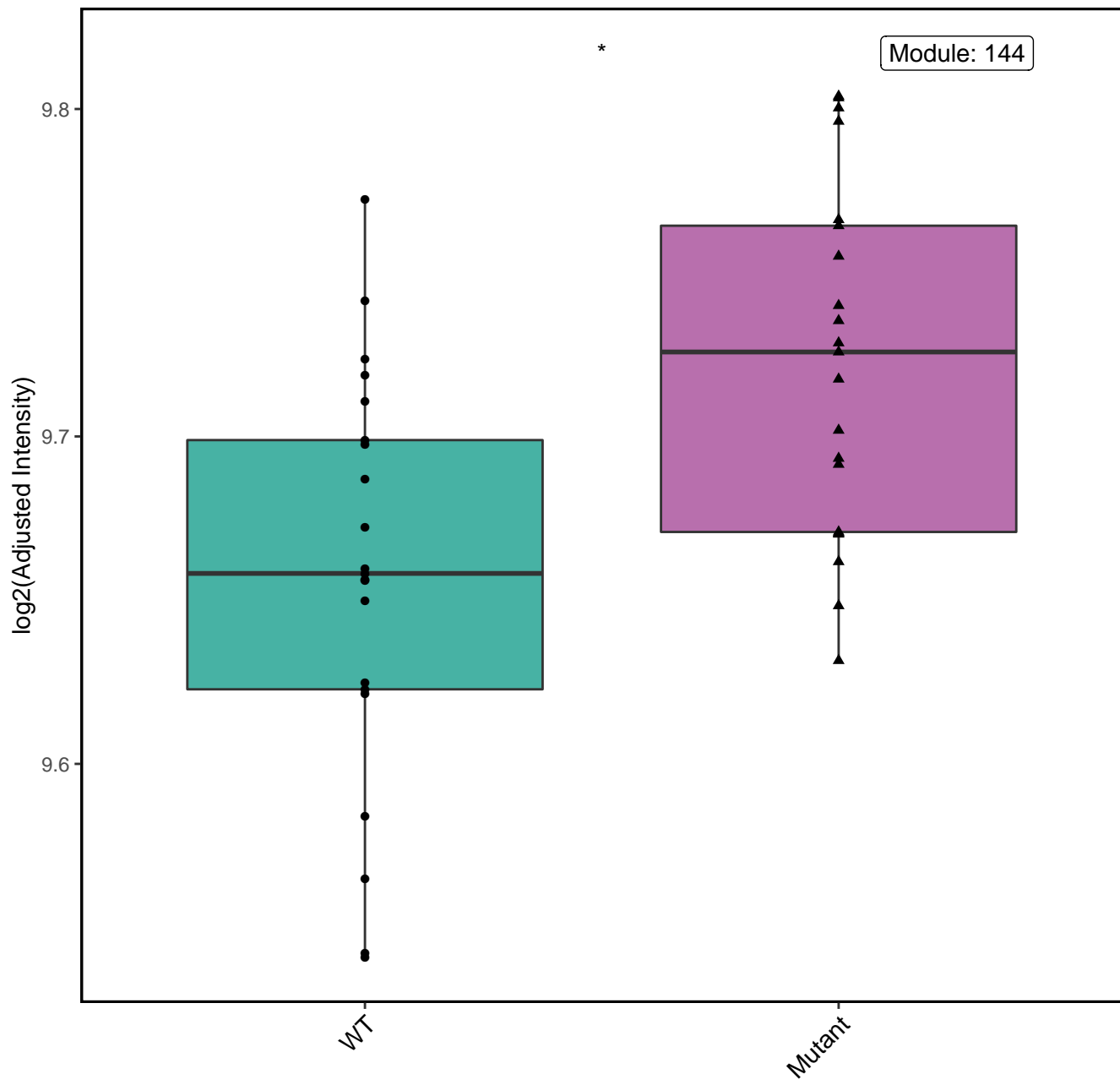


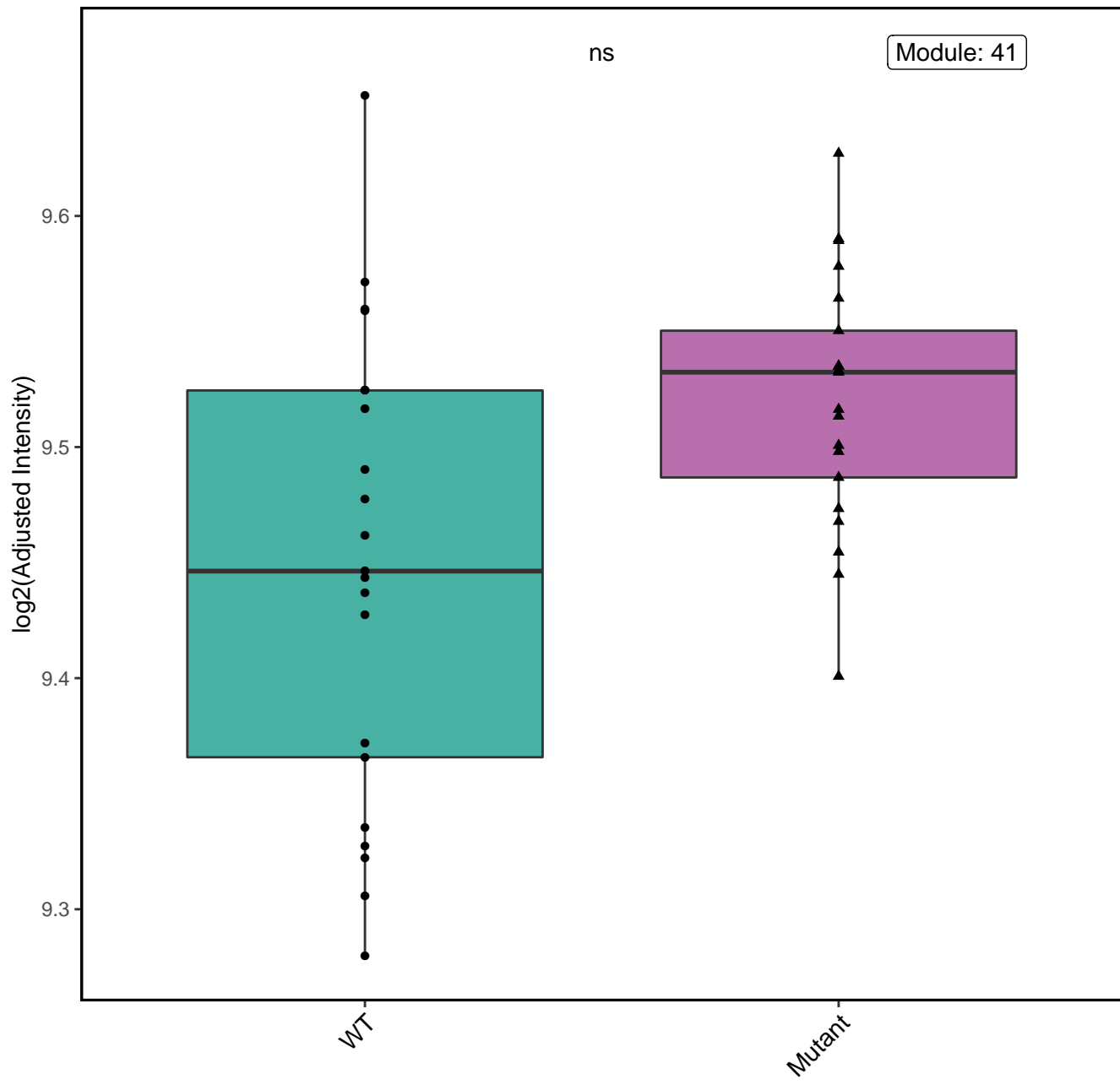




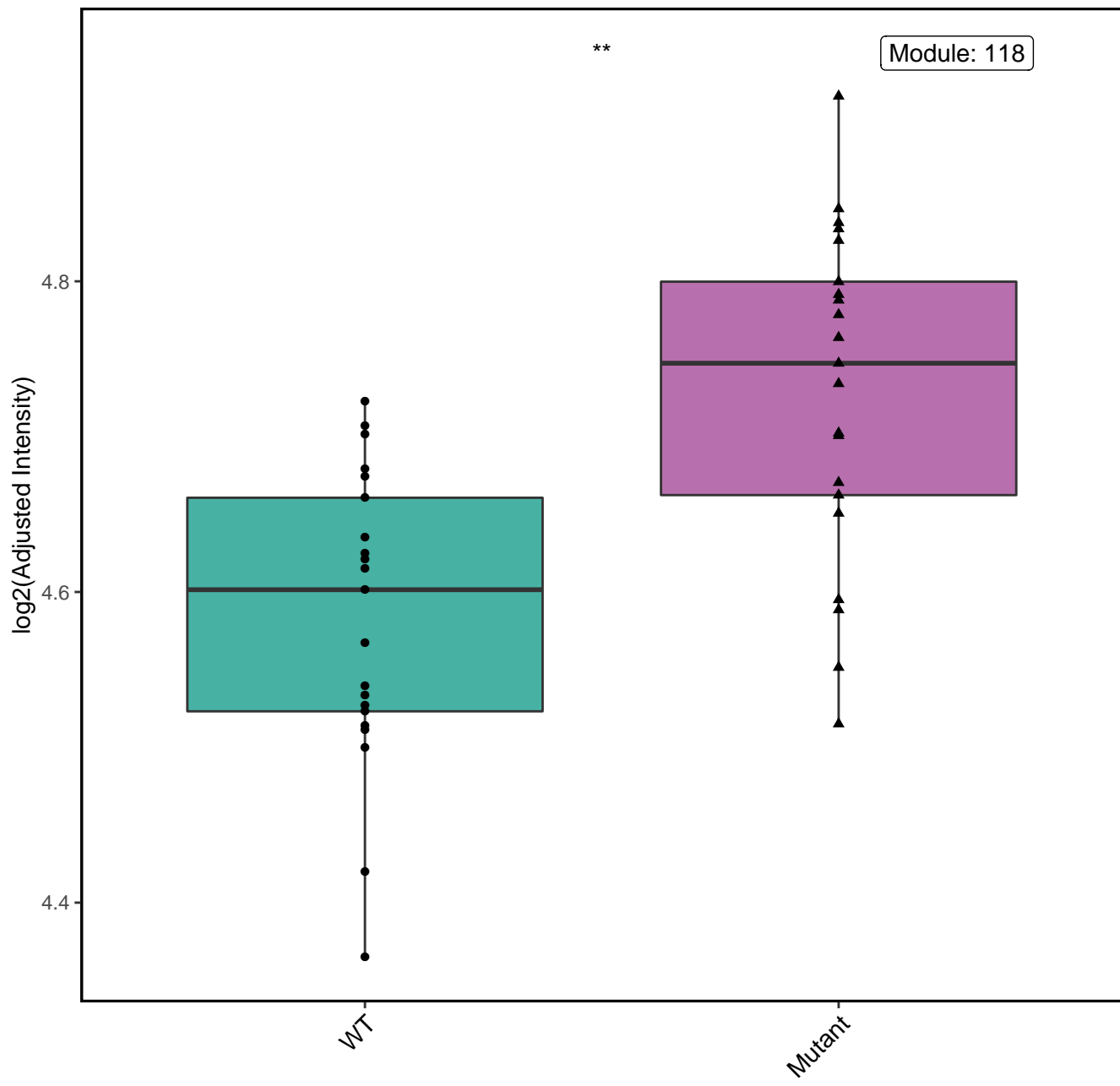


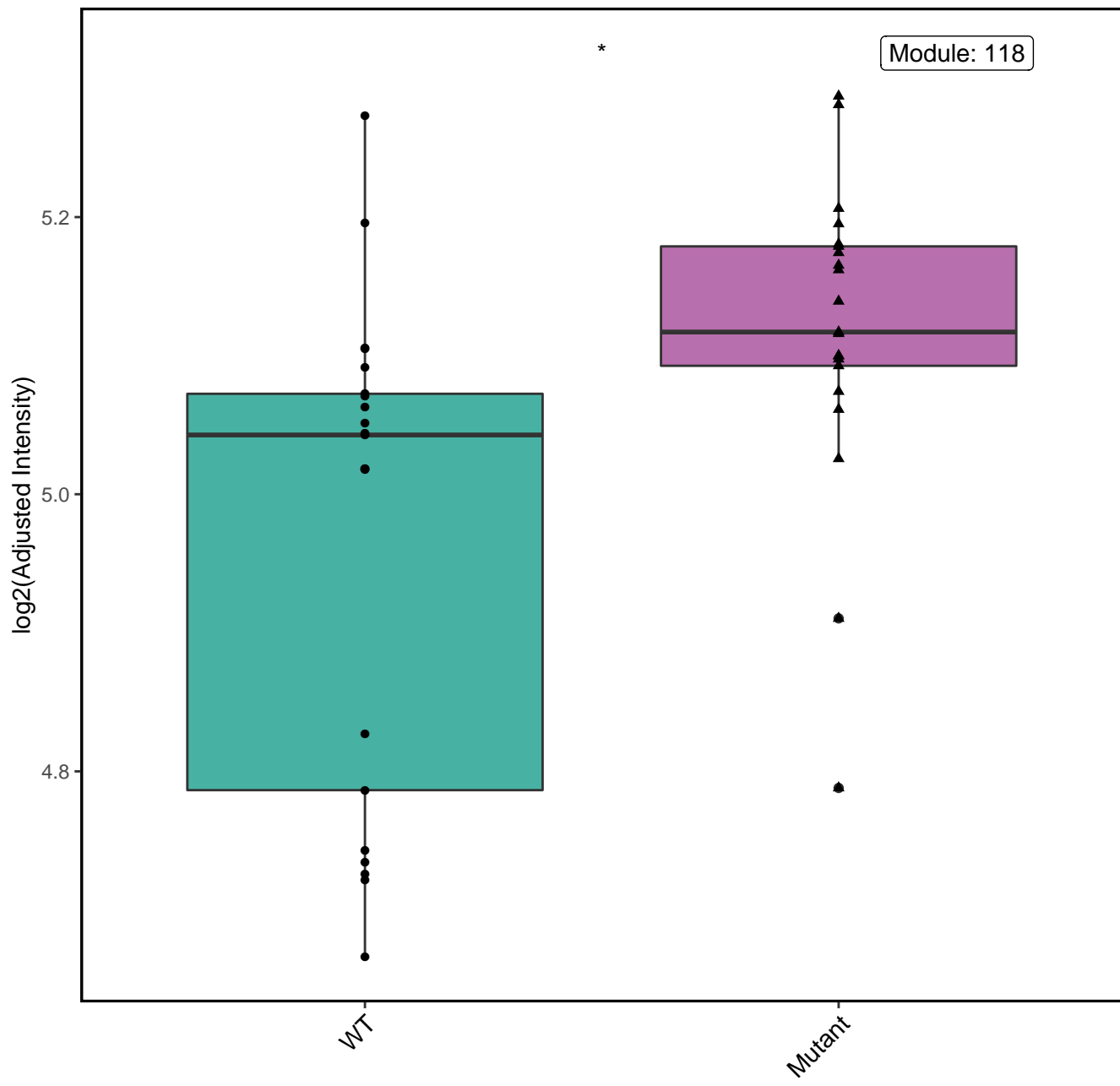


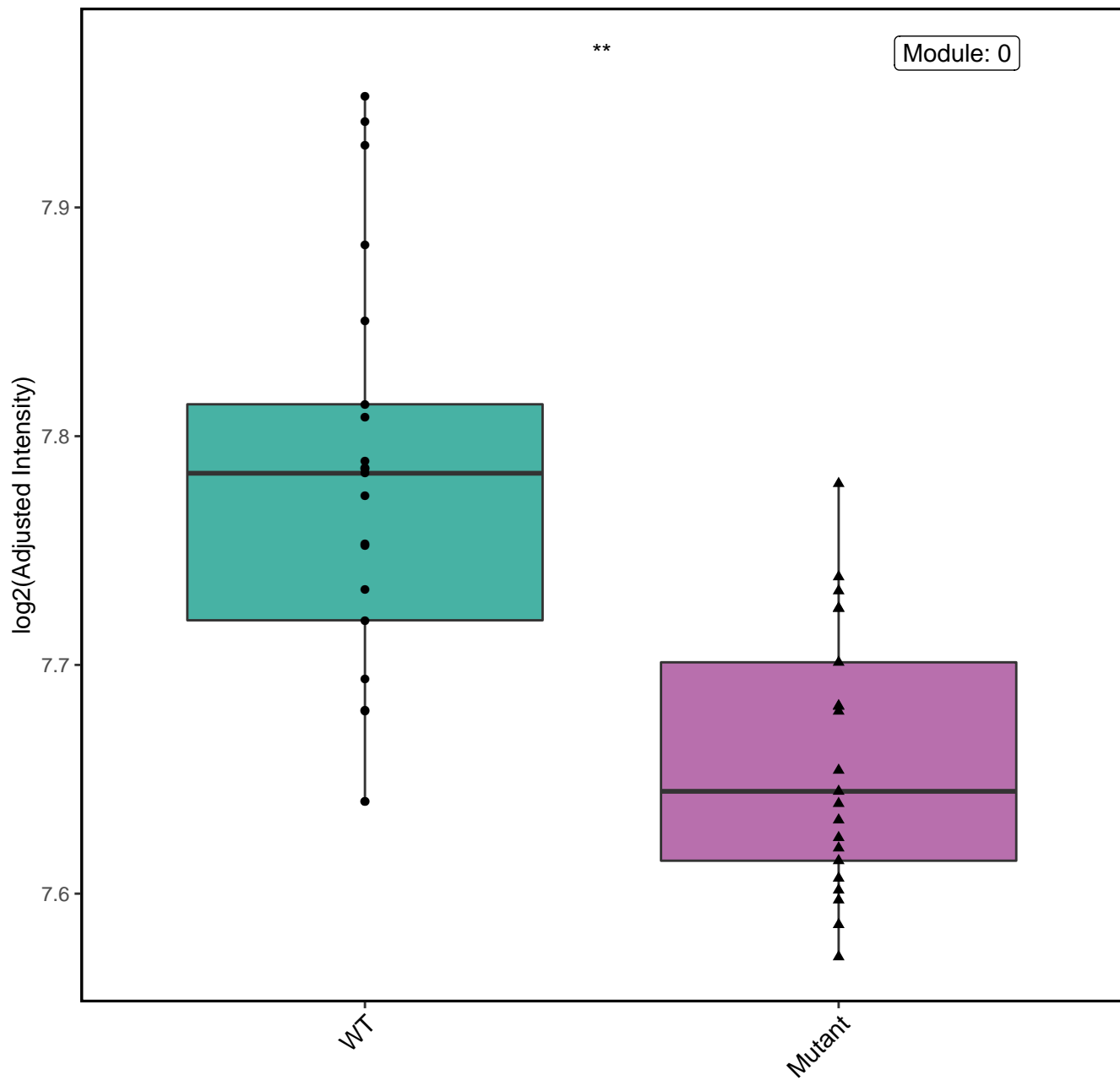


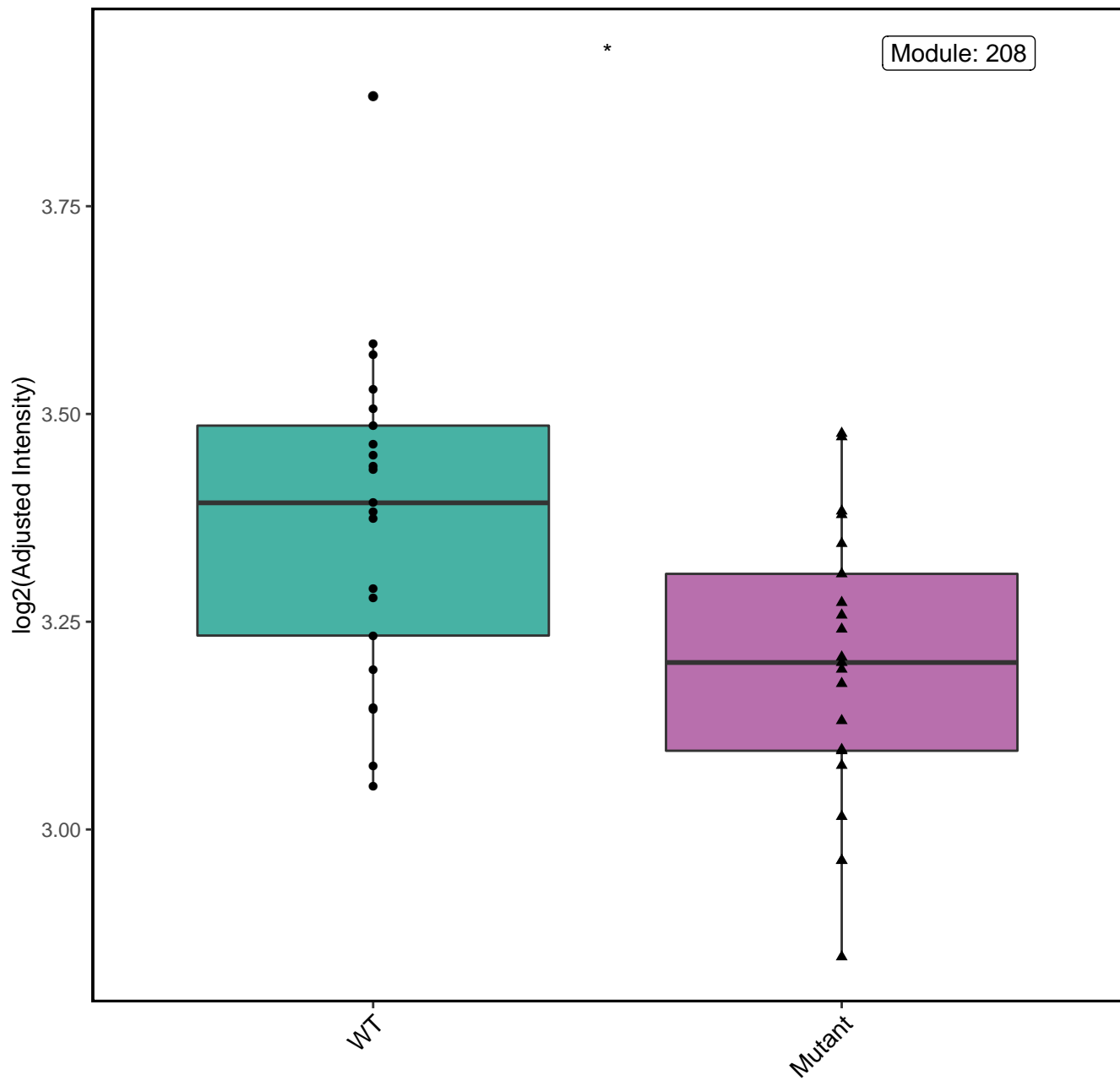












log2(Adjusted Intensity)

6.5

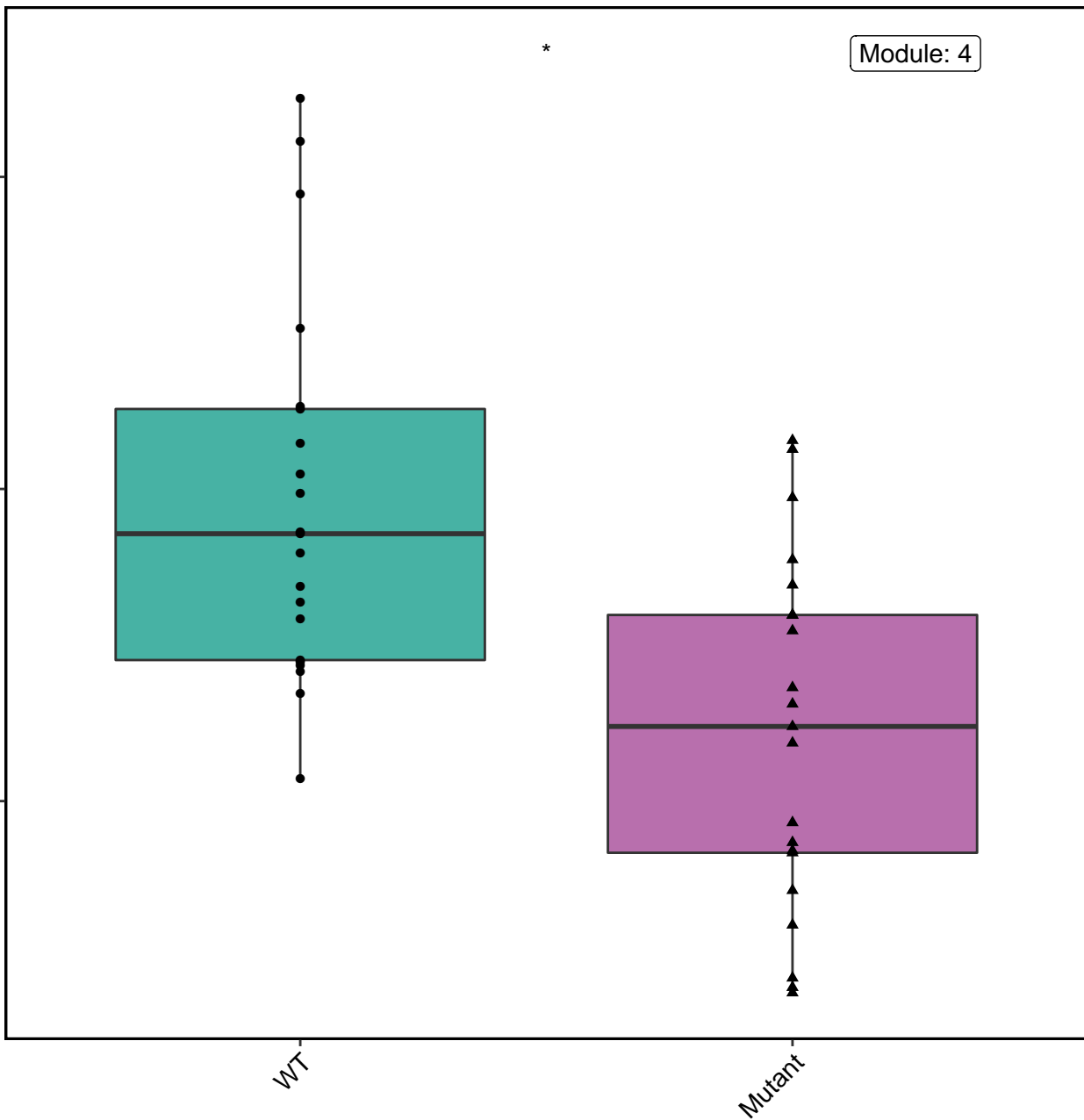
6.4

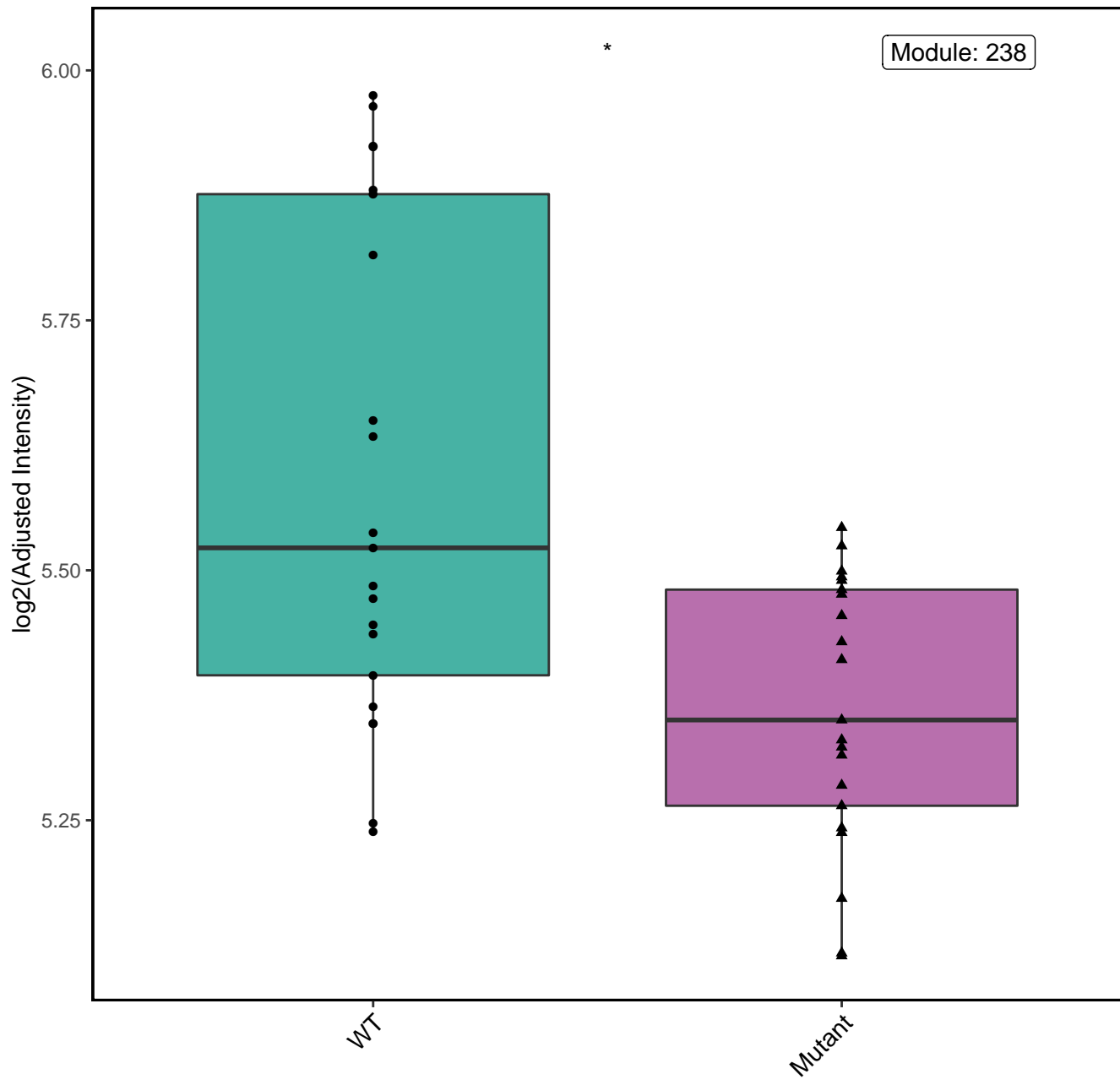
6.3

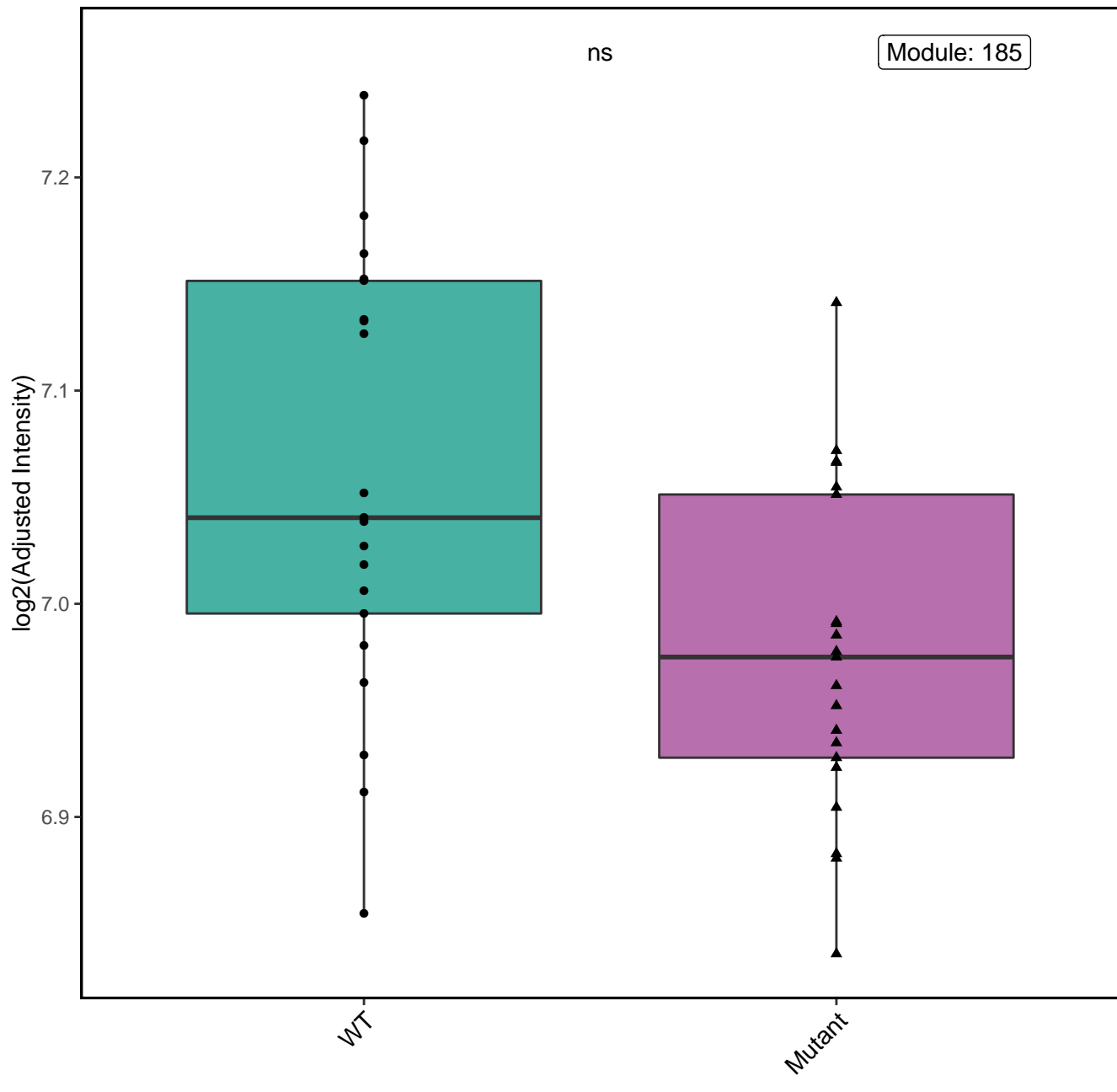
WT

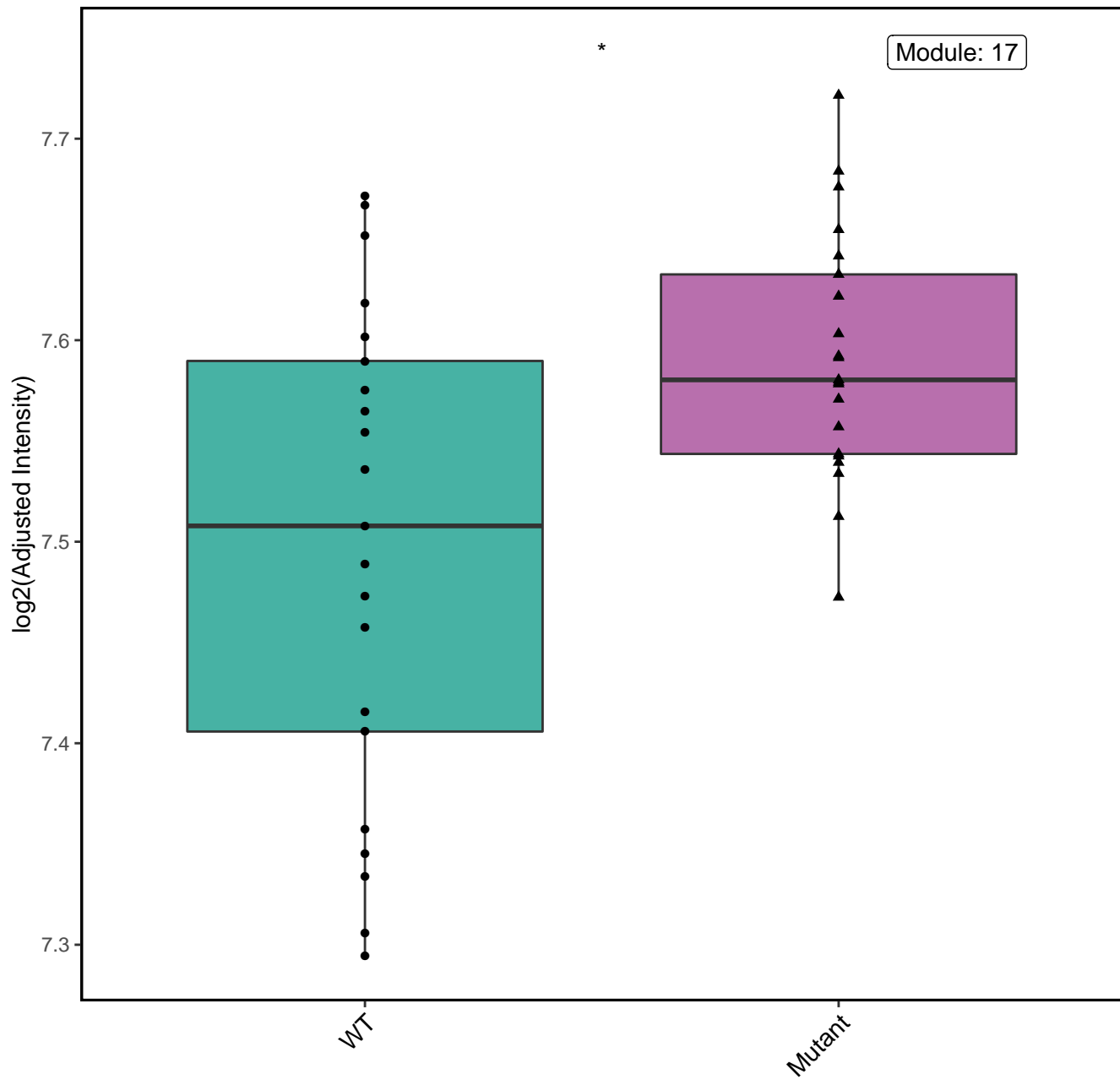
Mutant

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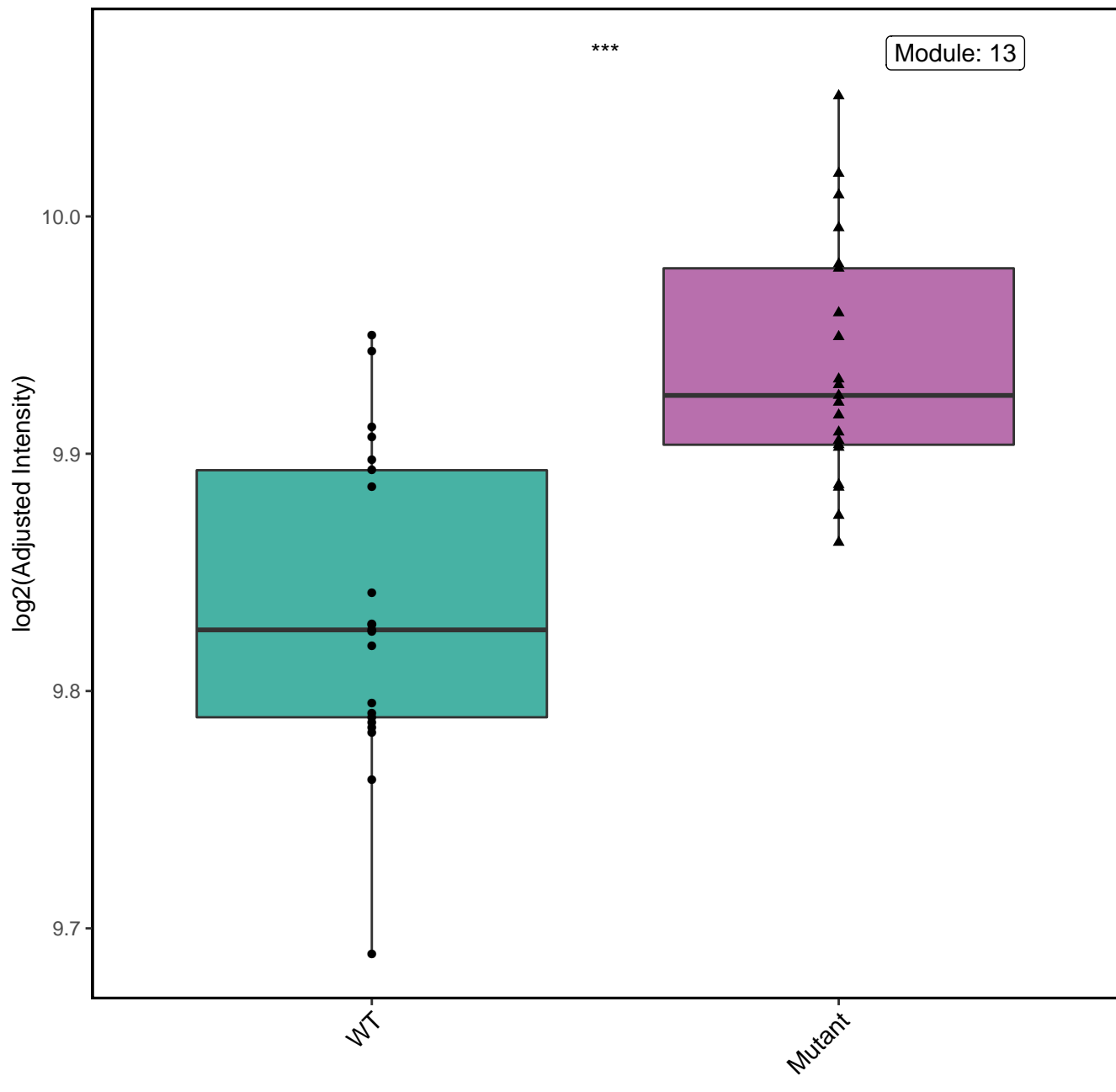


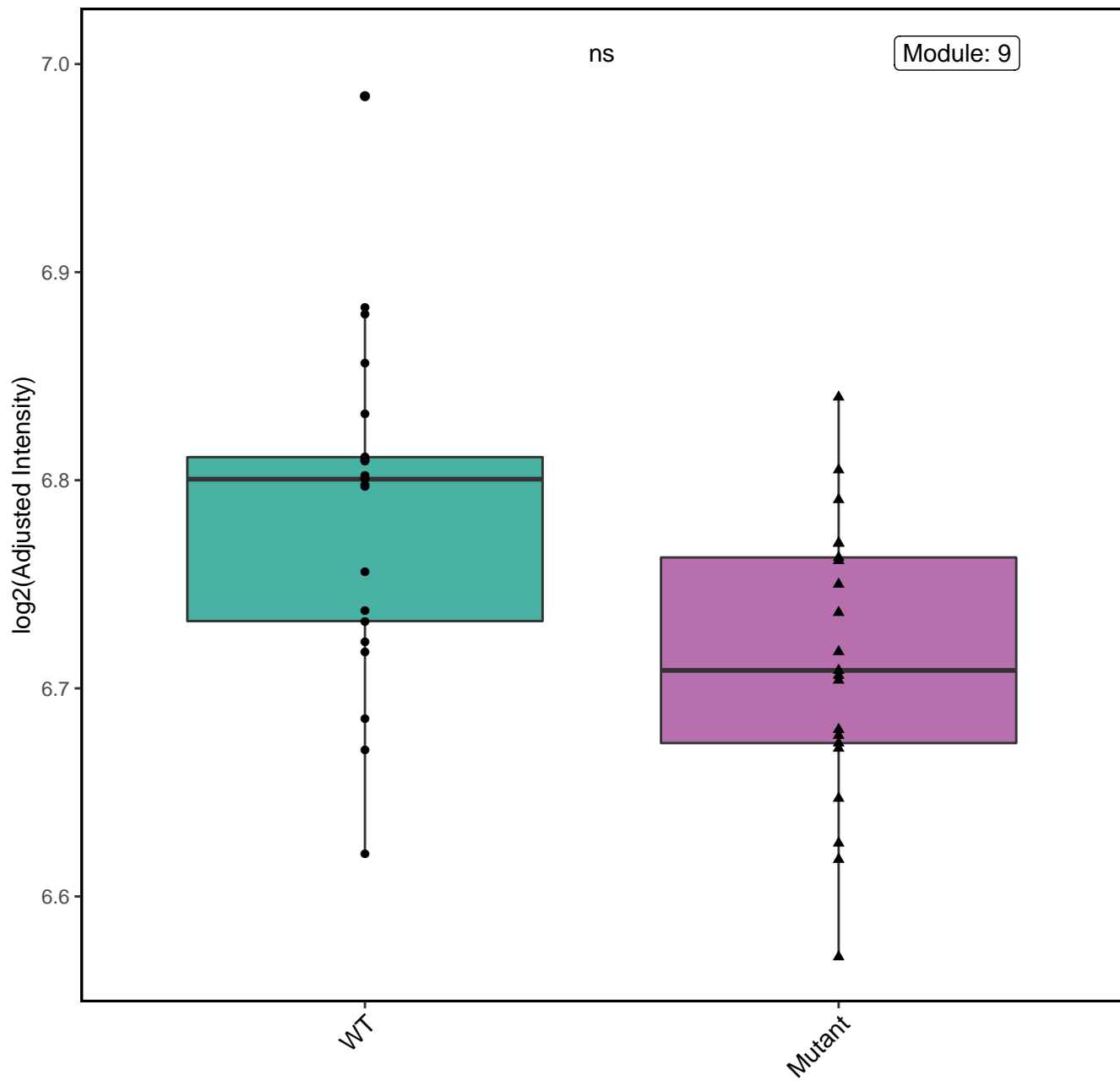


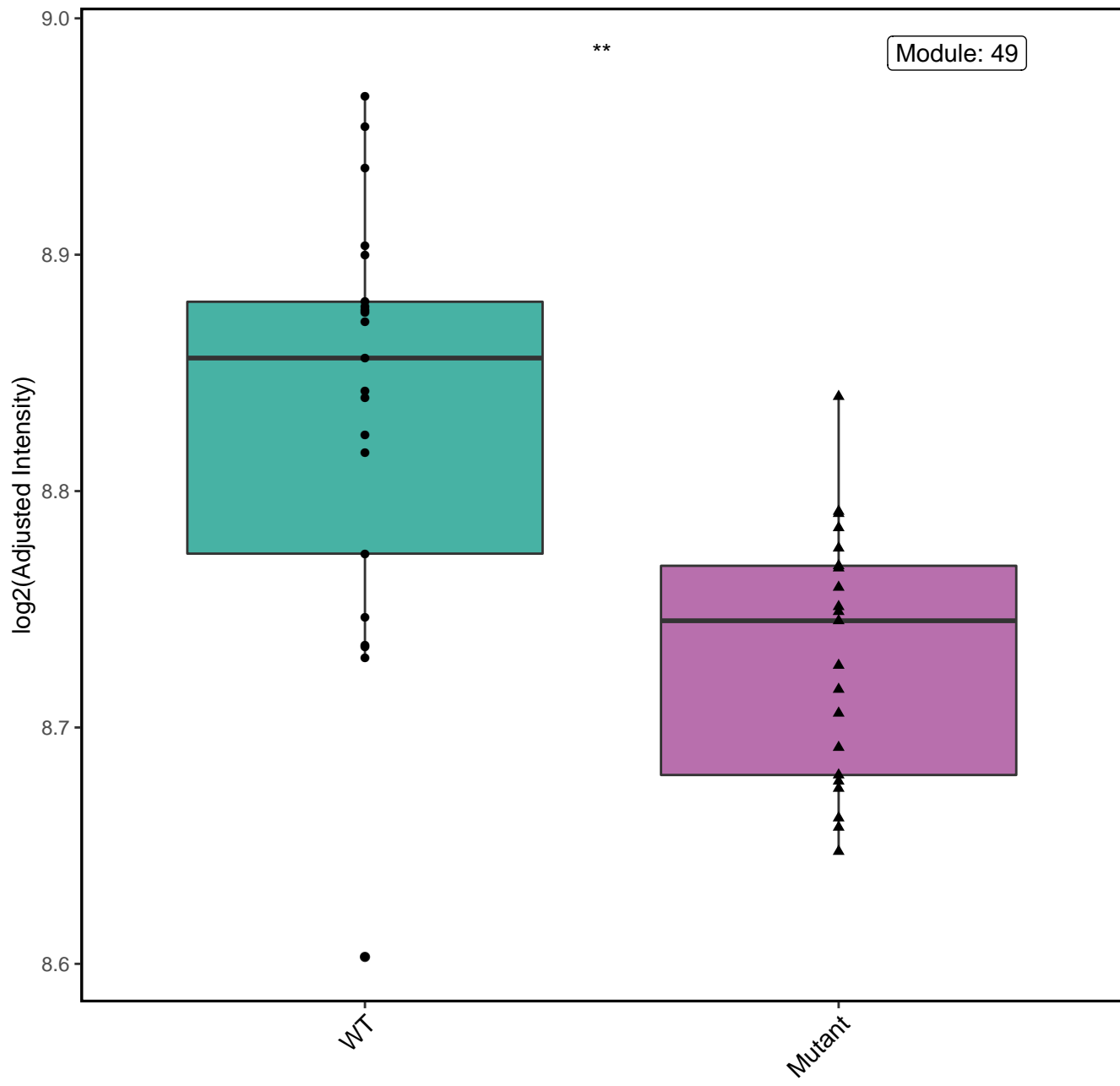


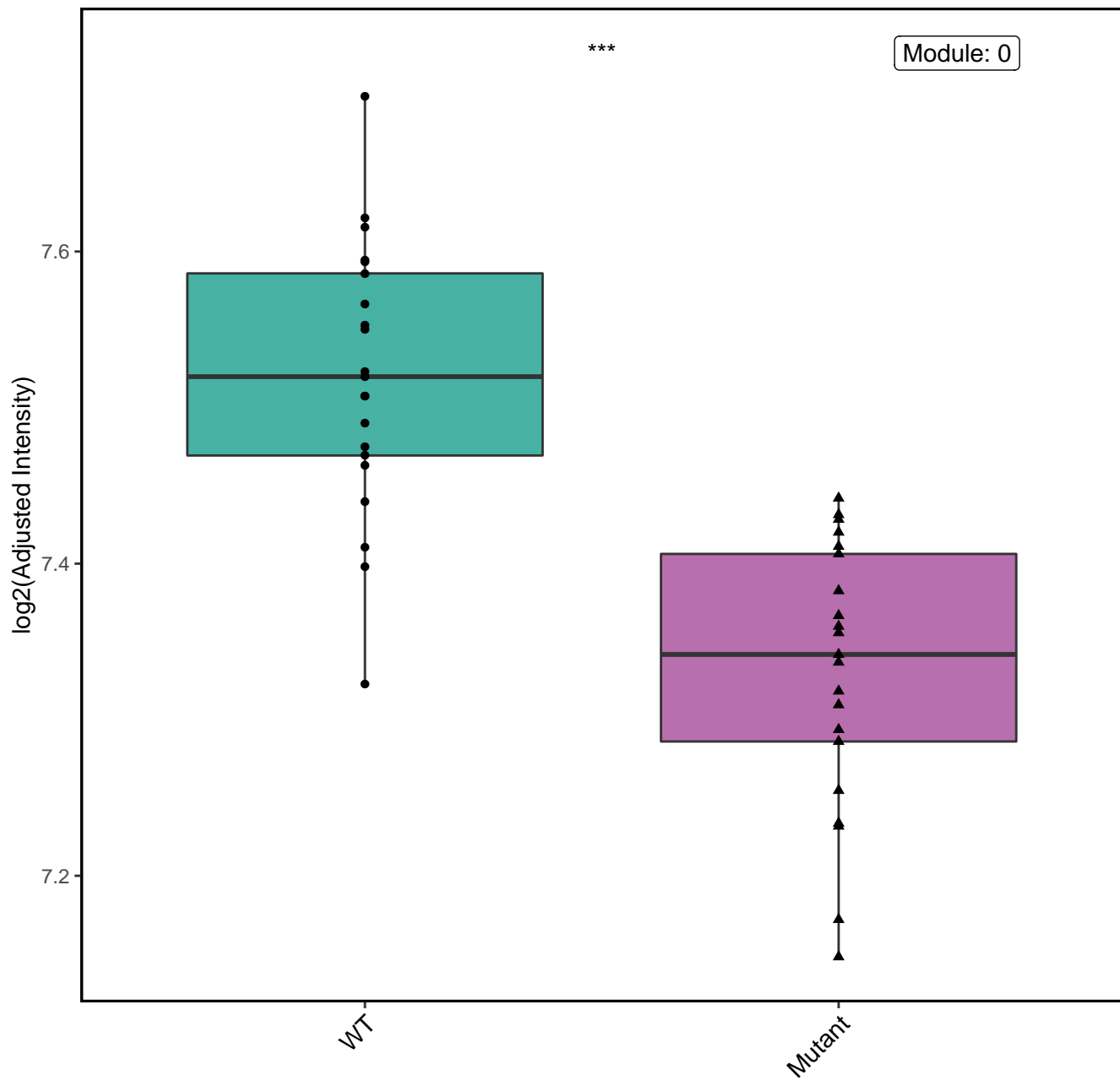


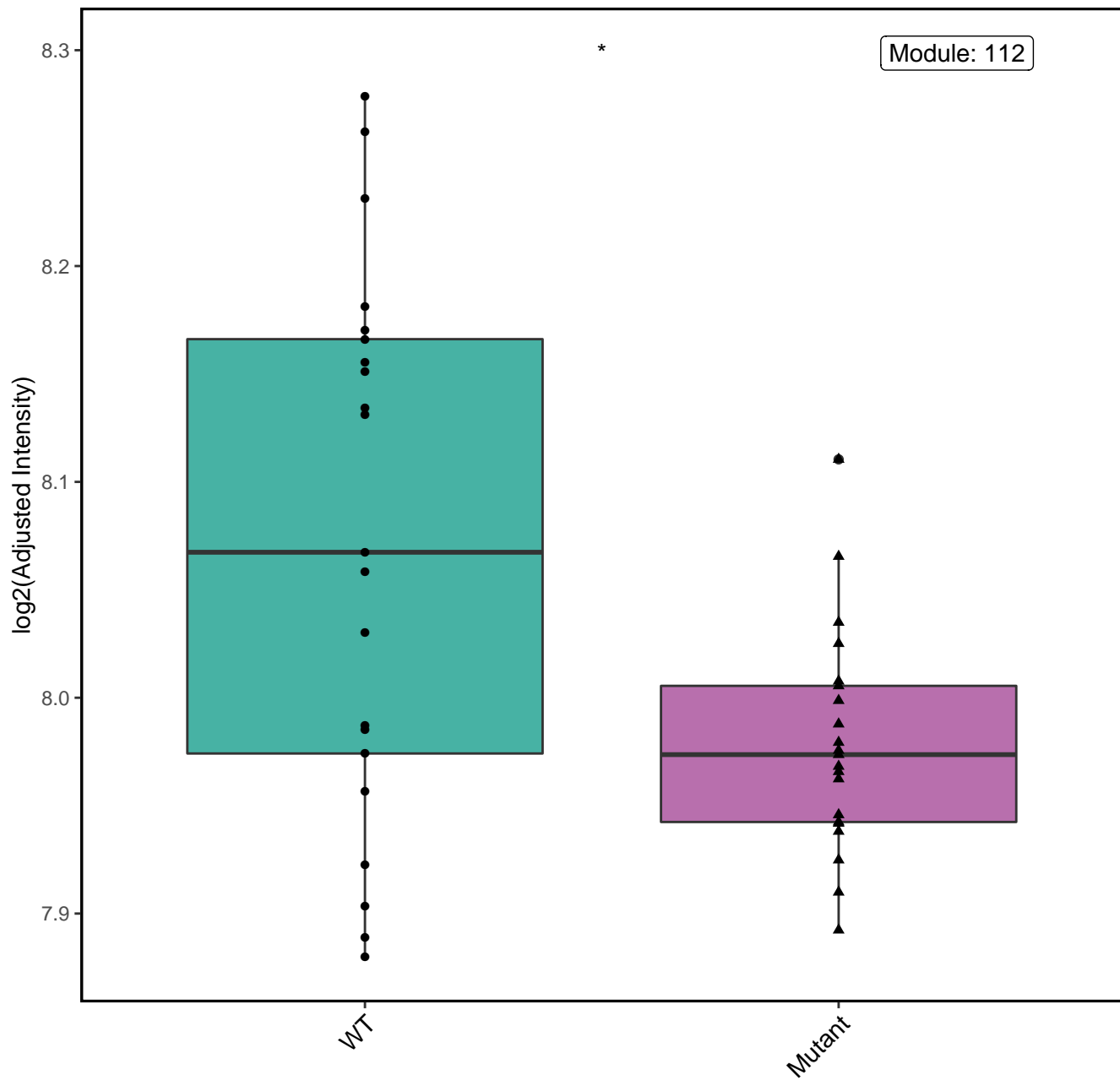


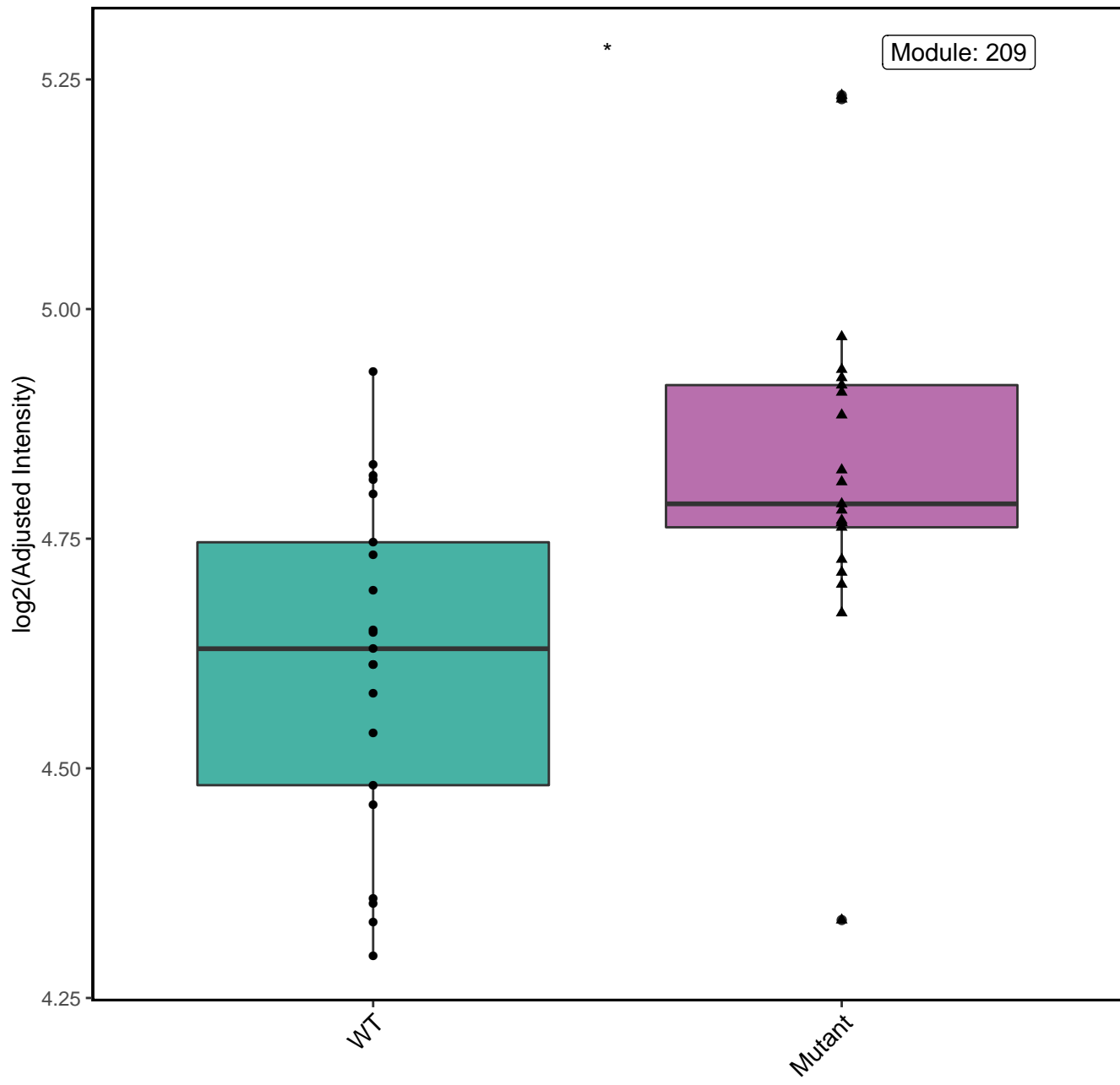


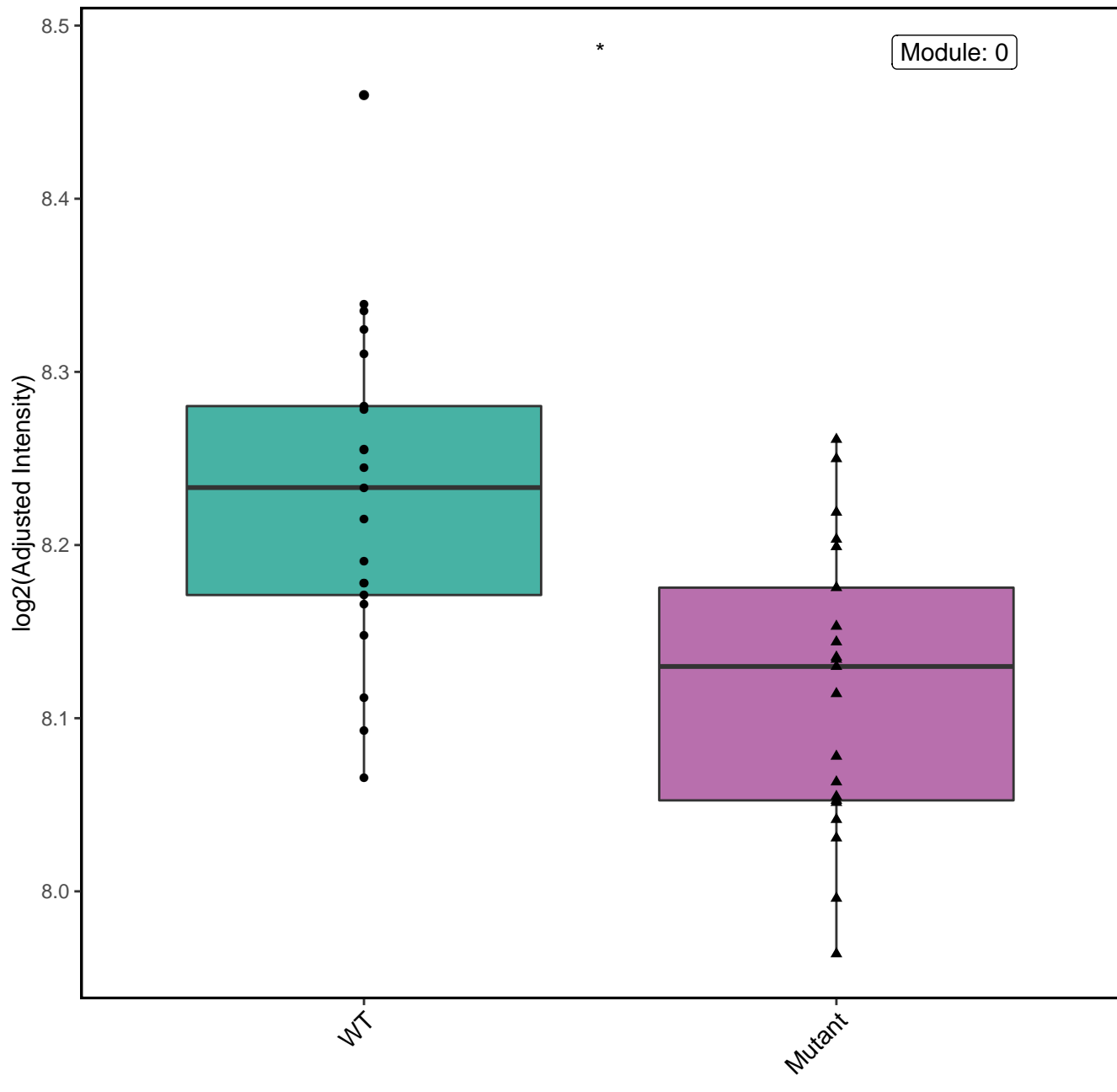


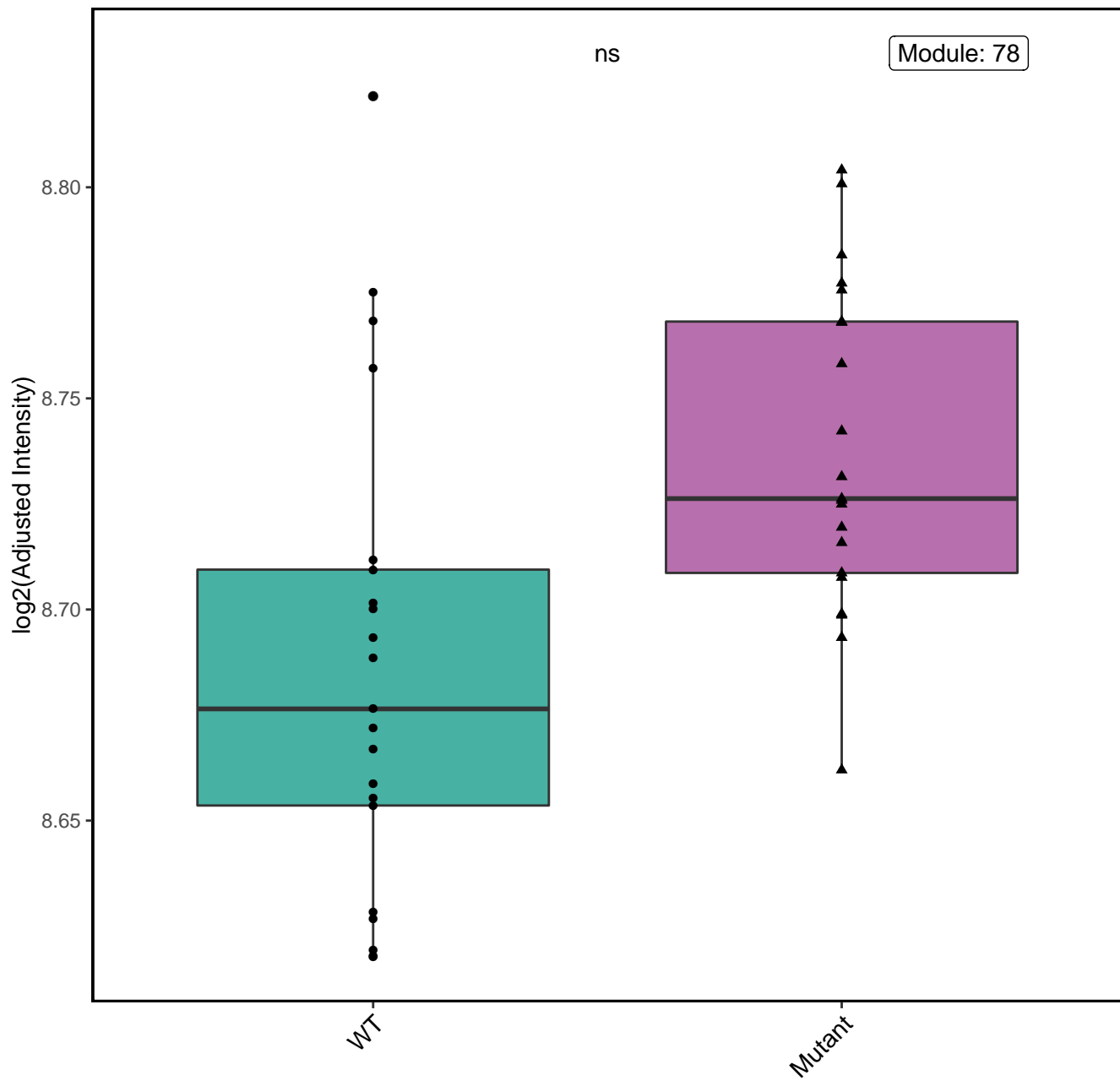




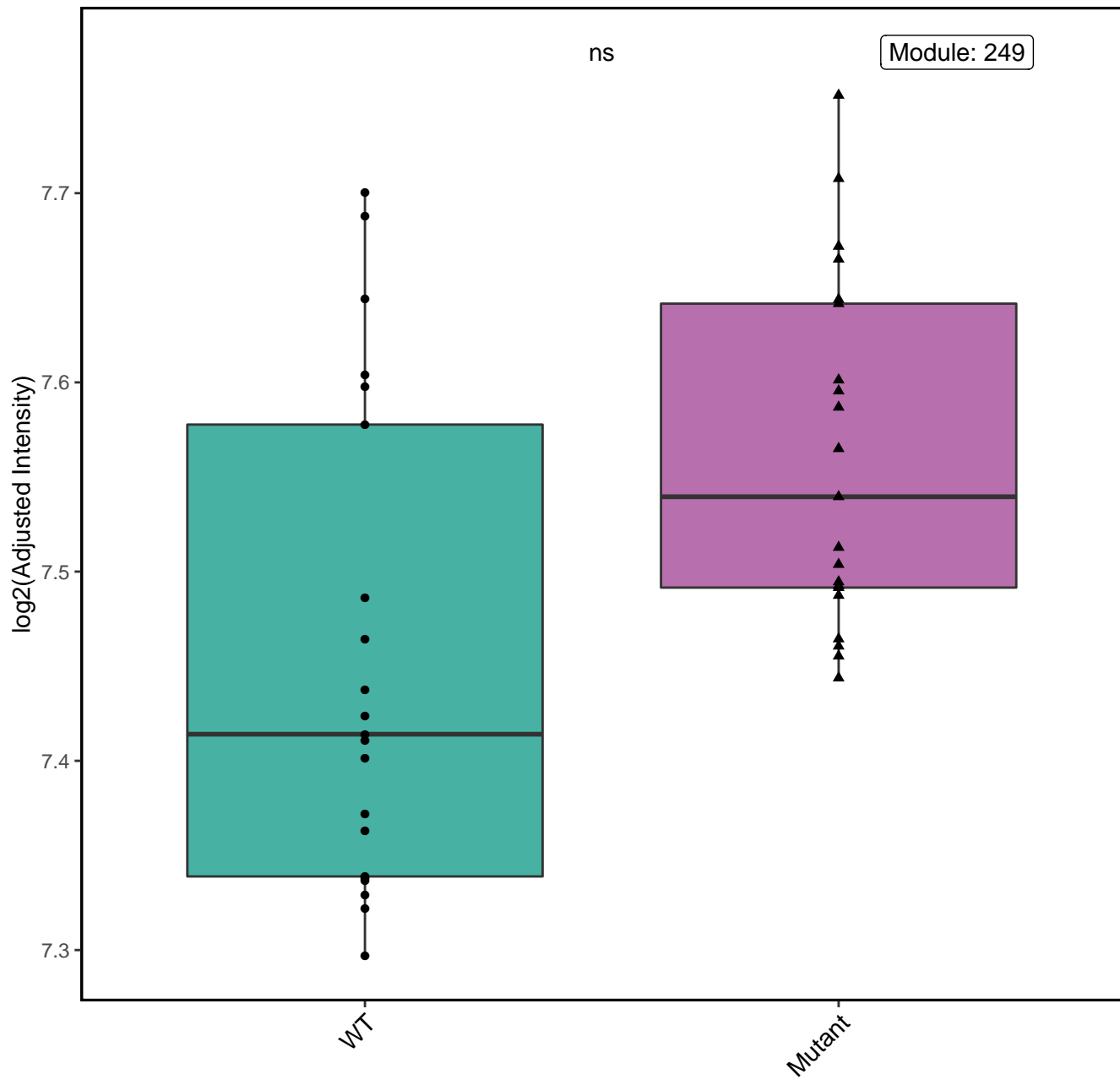


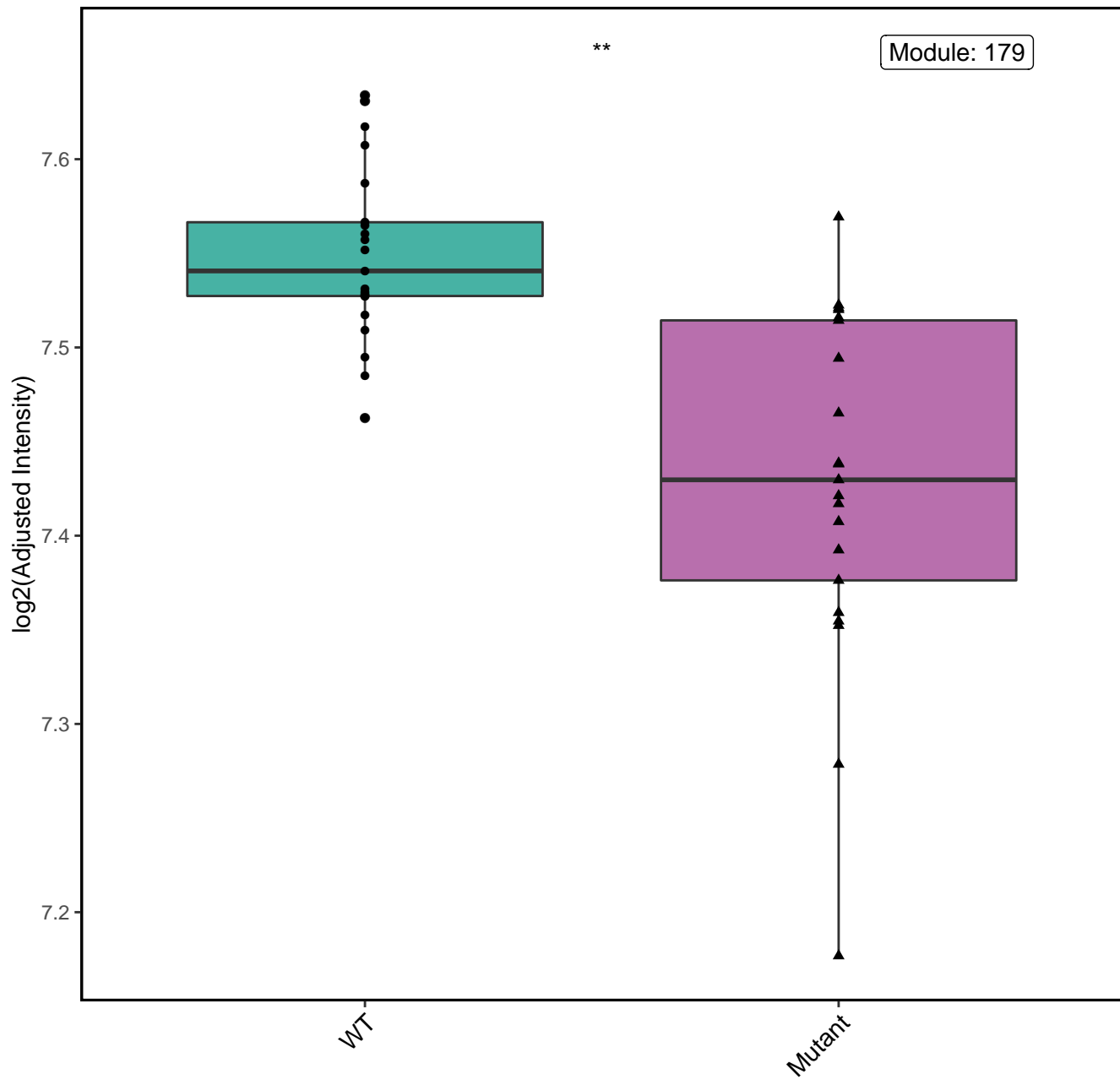


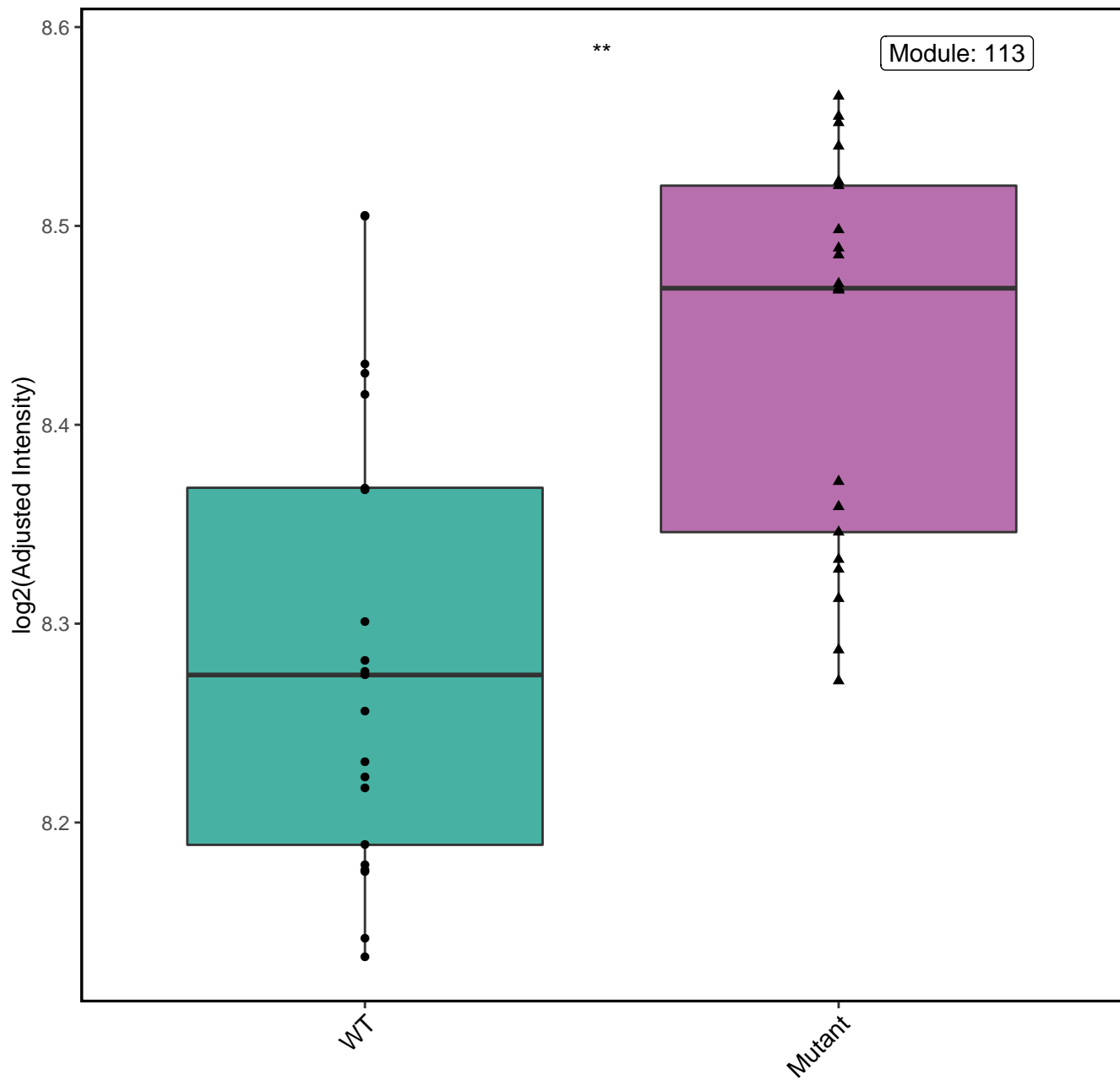










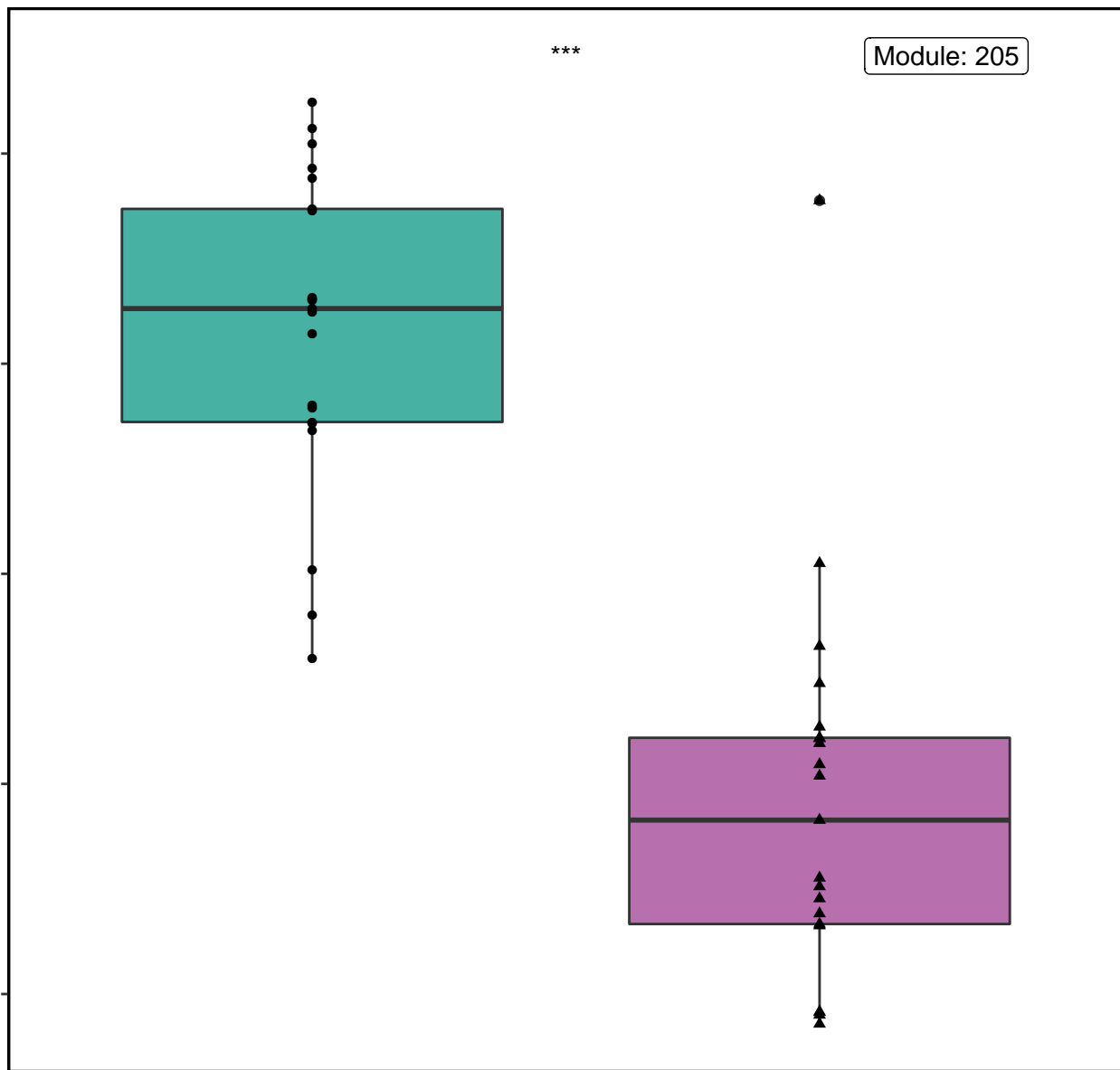


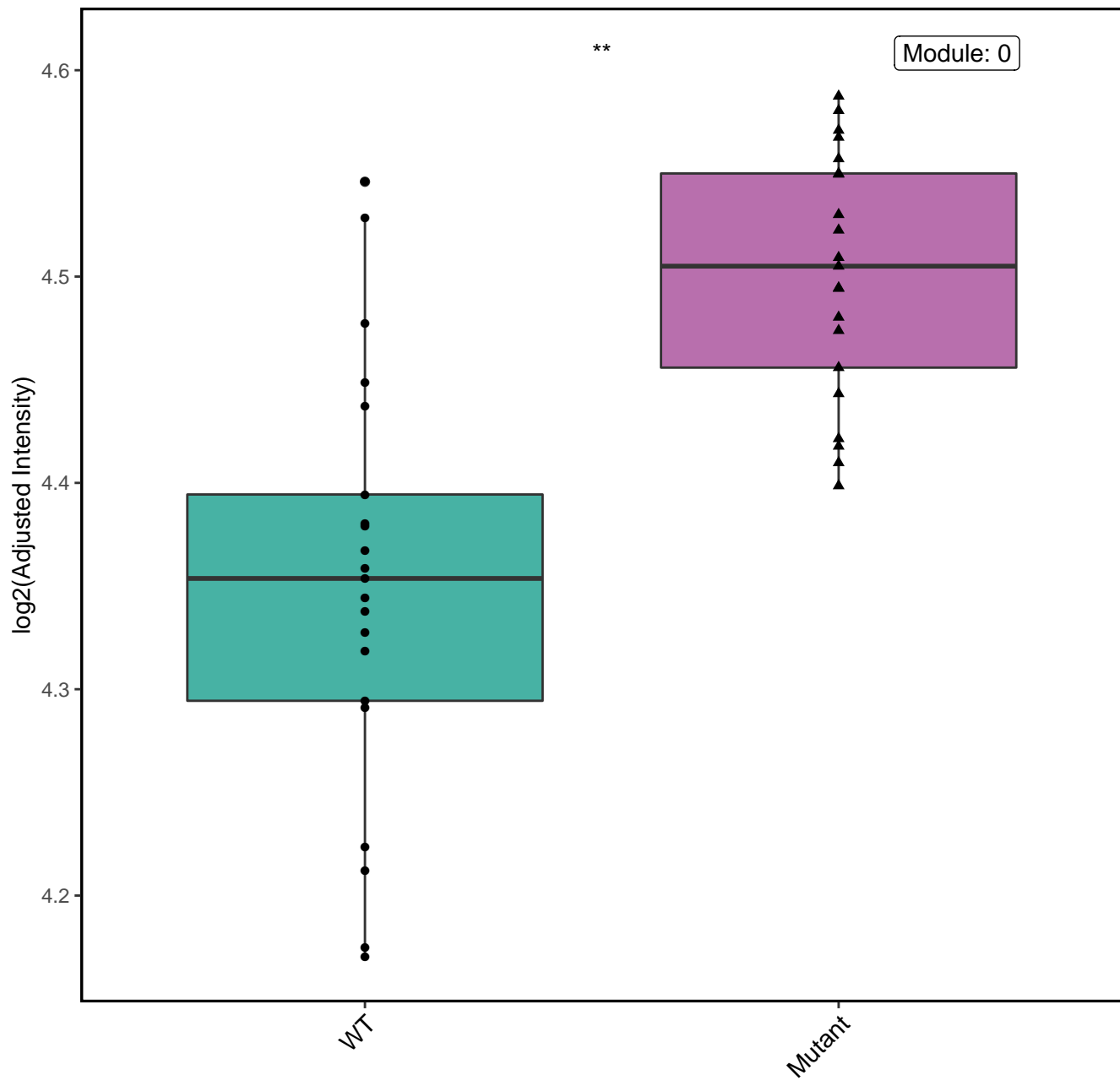
log2(Adjusted Intensity)

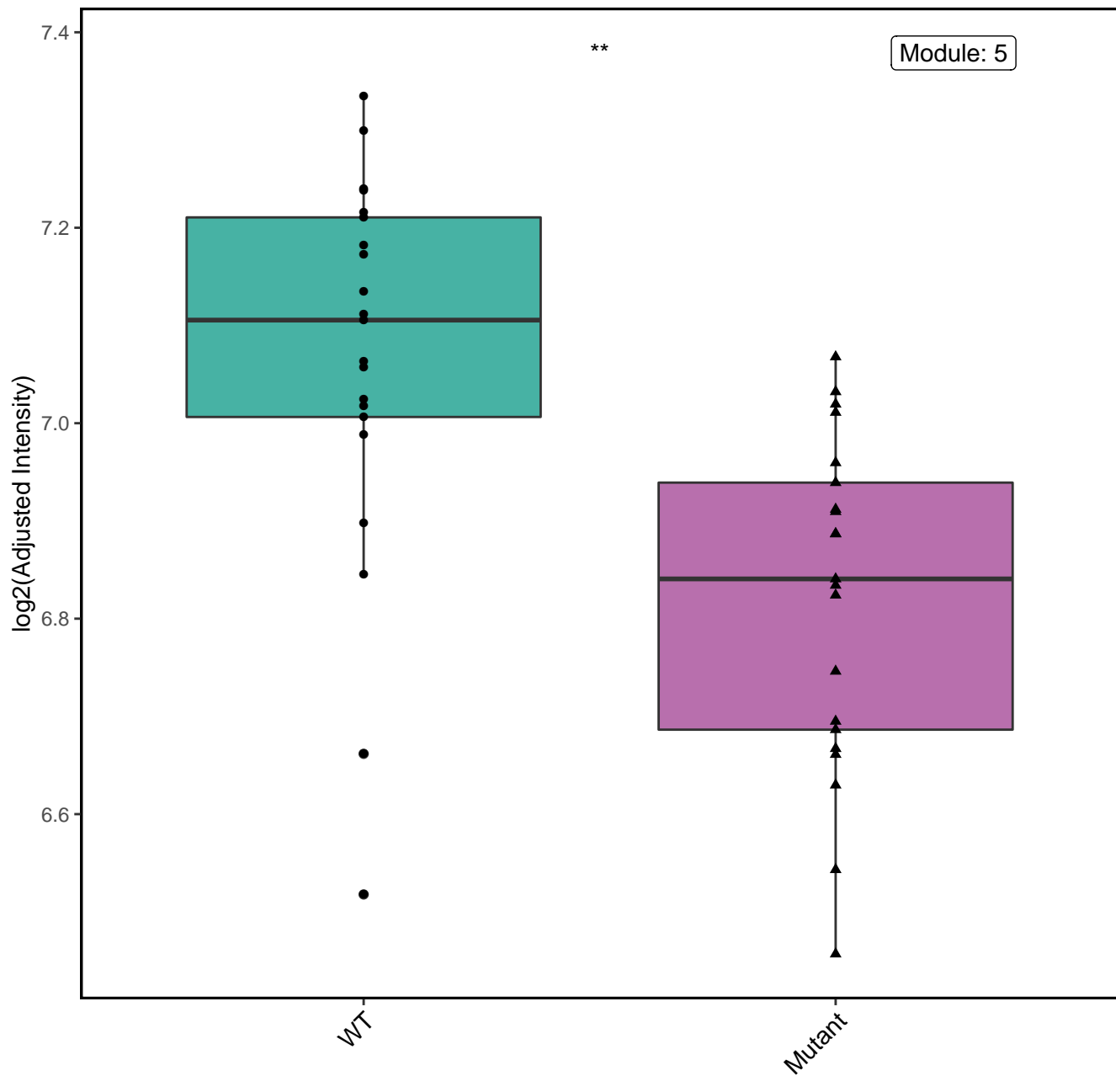
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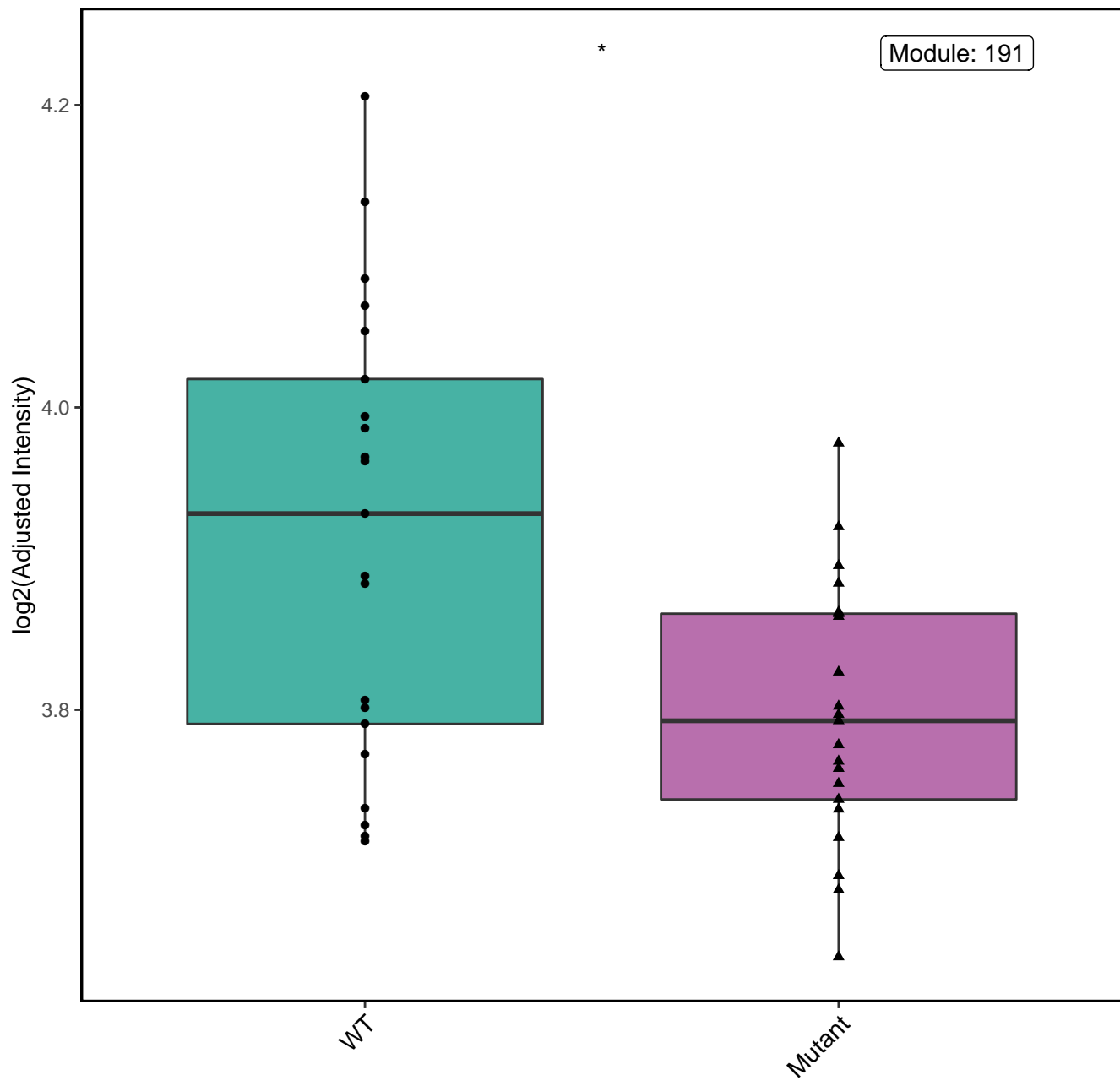
WT

Mutant









log2(Adjusted Intensity)

7.1

7.0

6.9

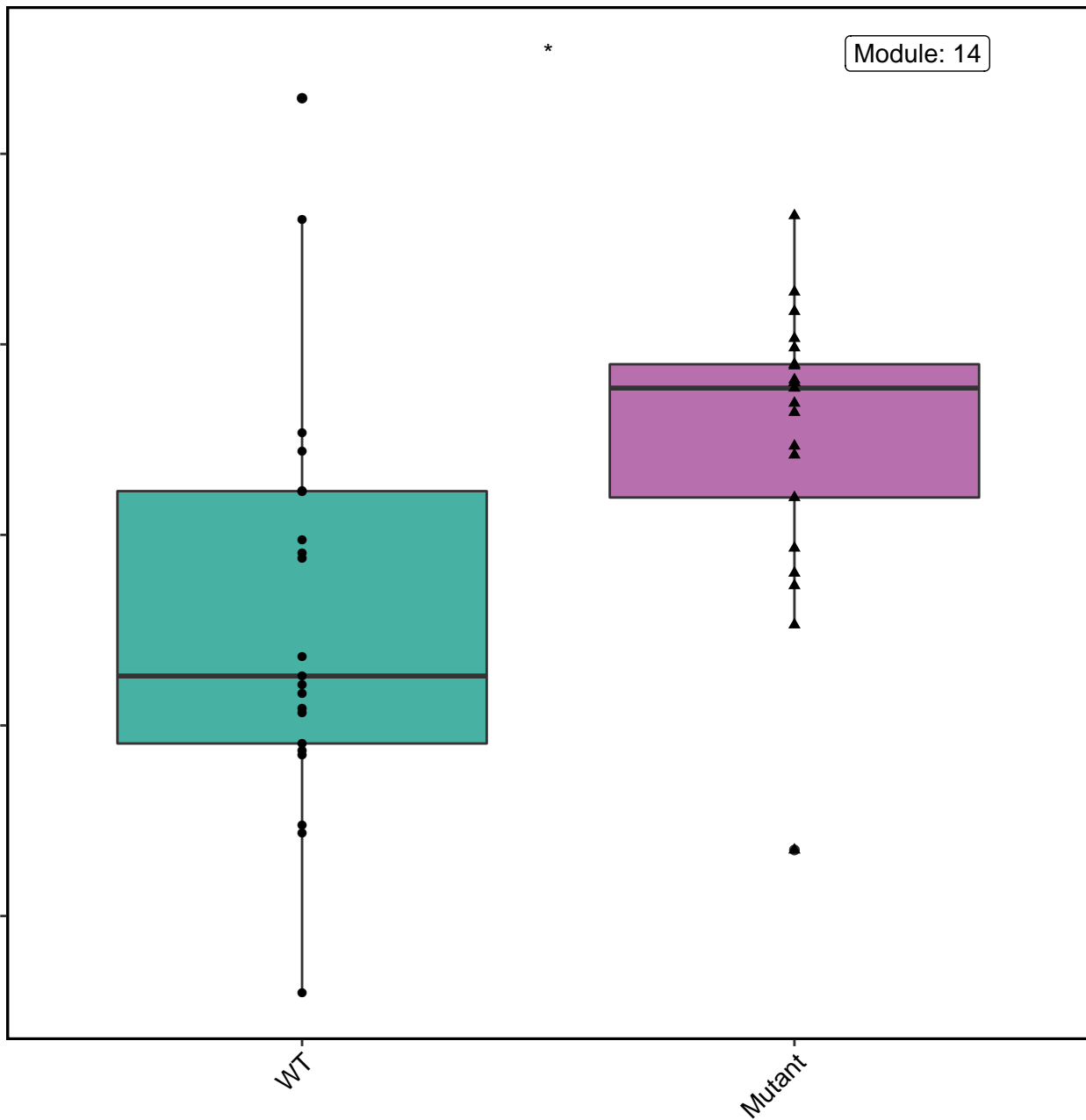
6.8

6.7

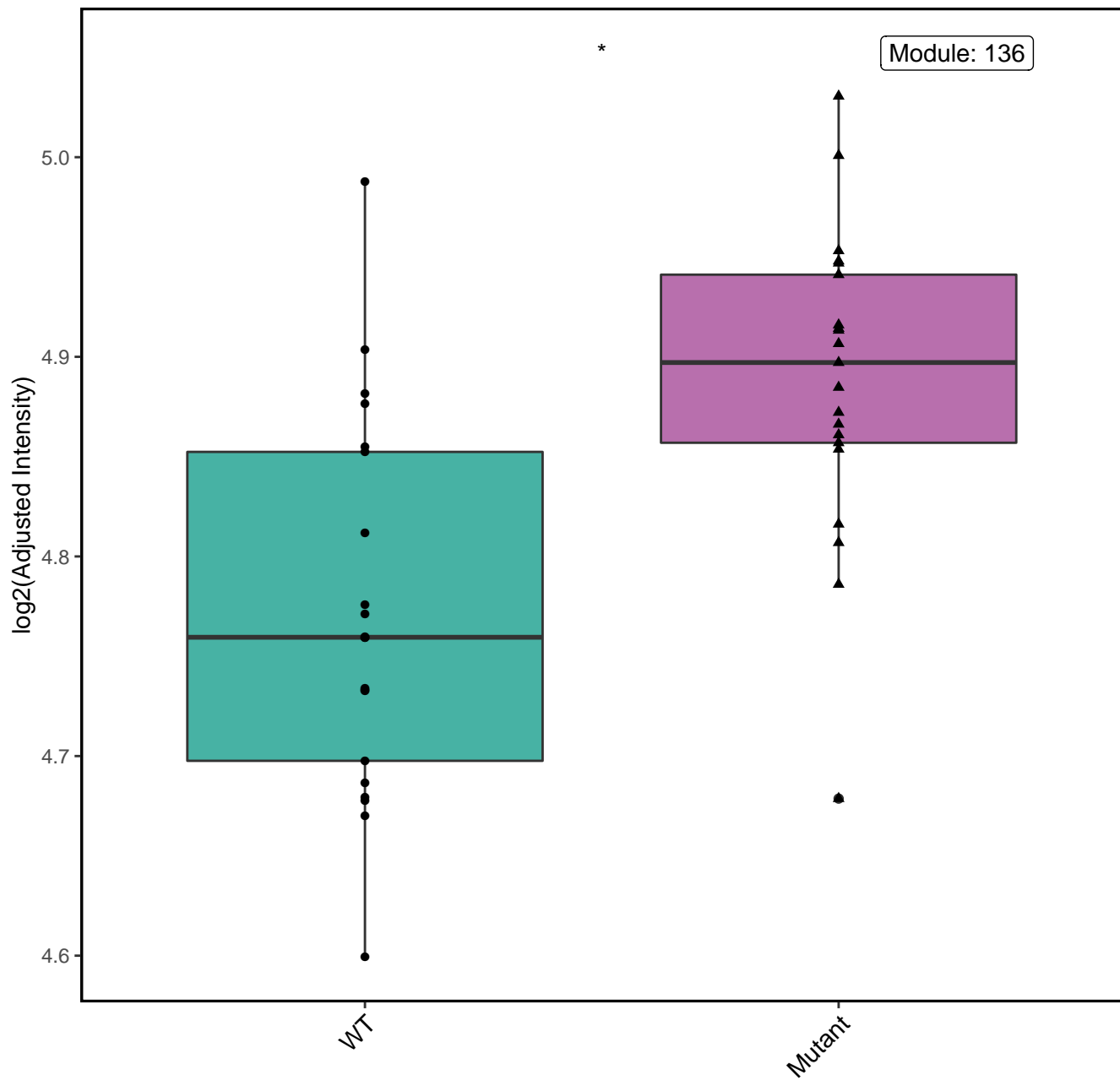
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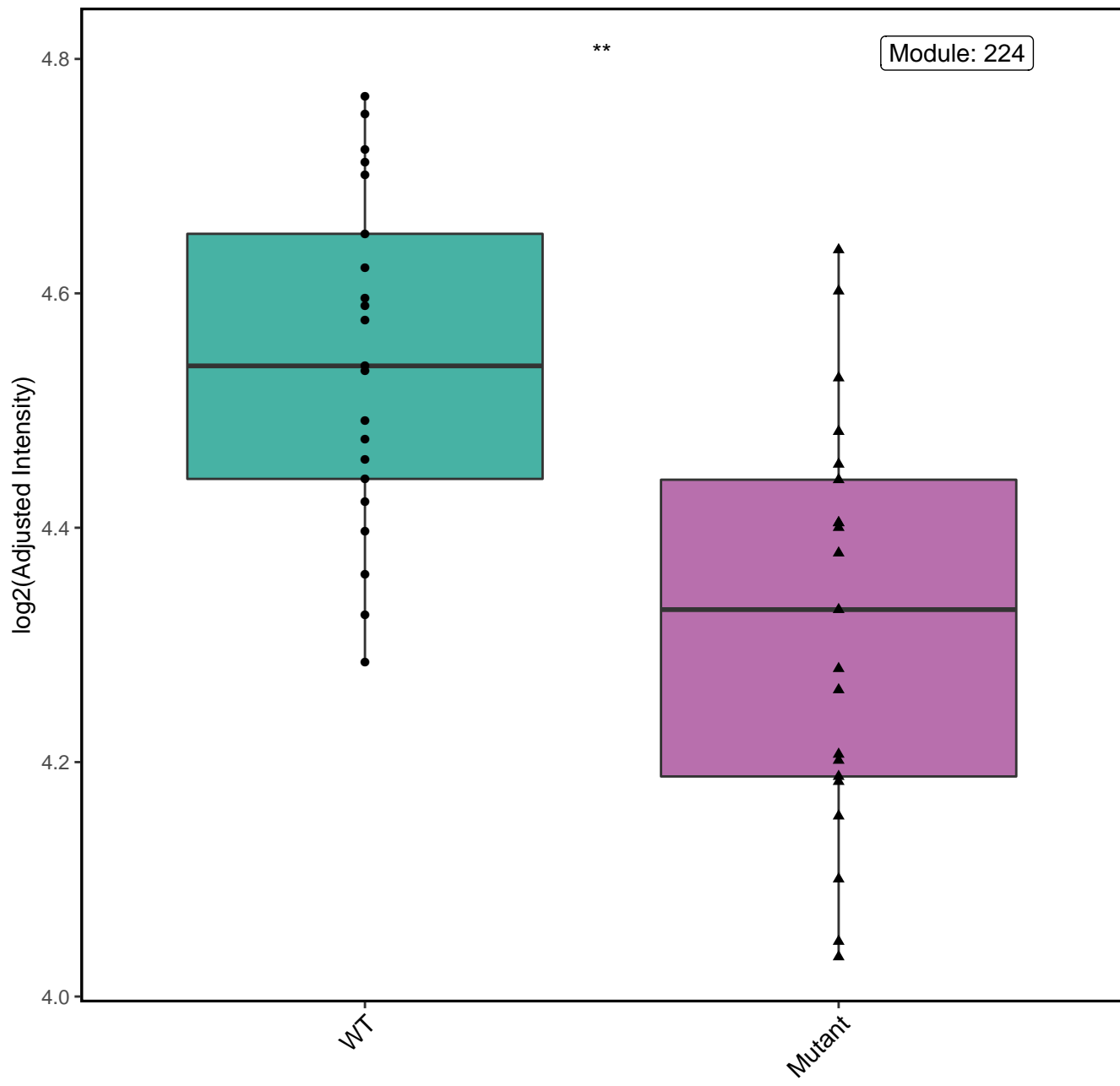
Mutant

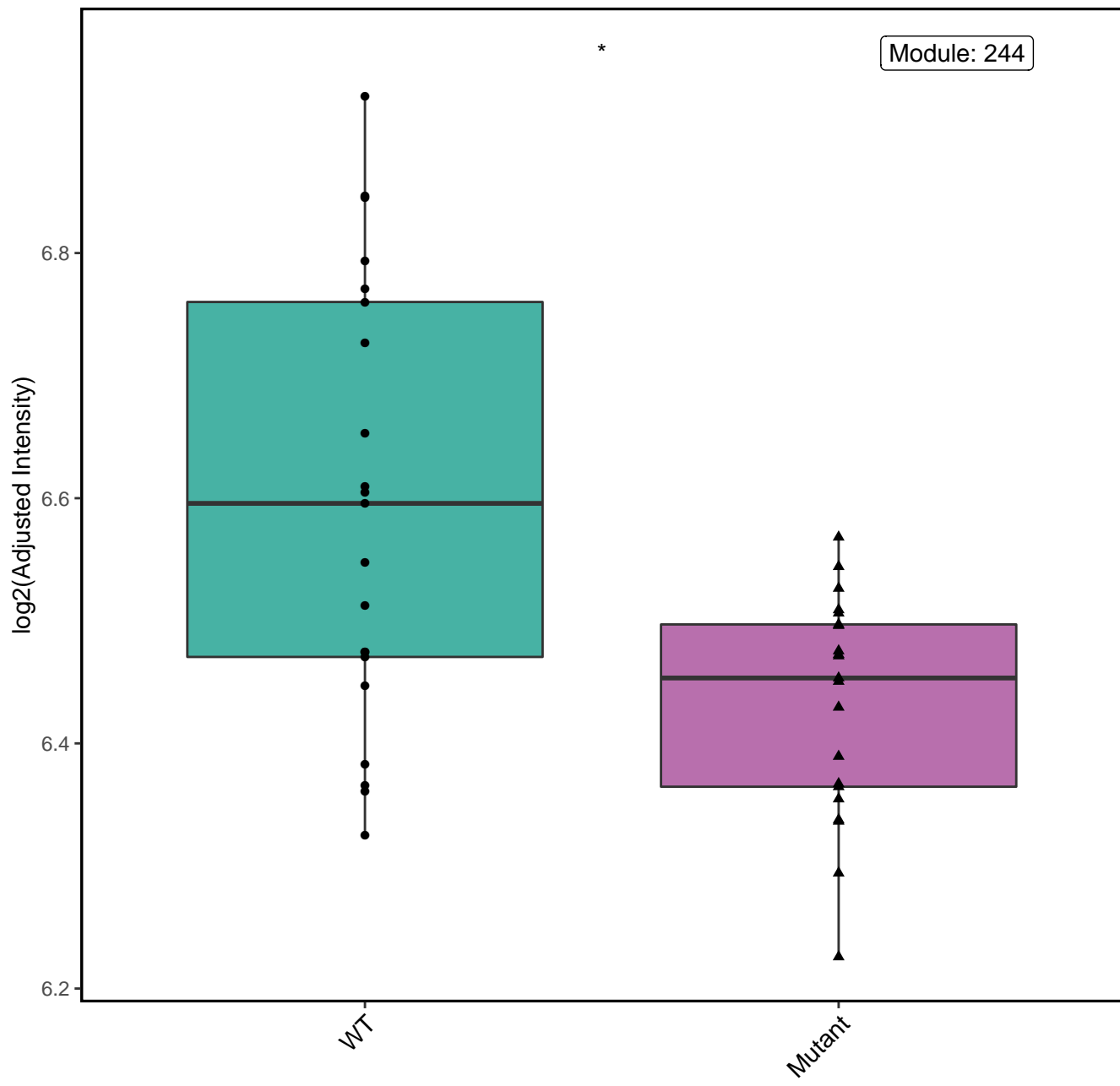
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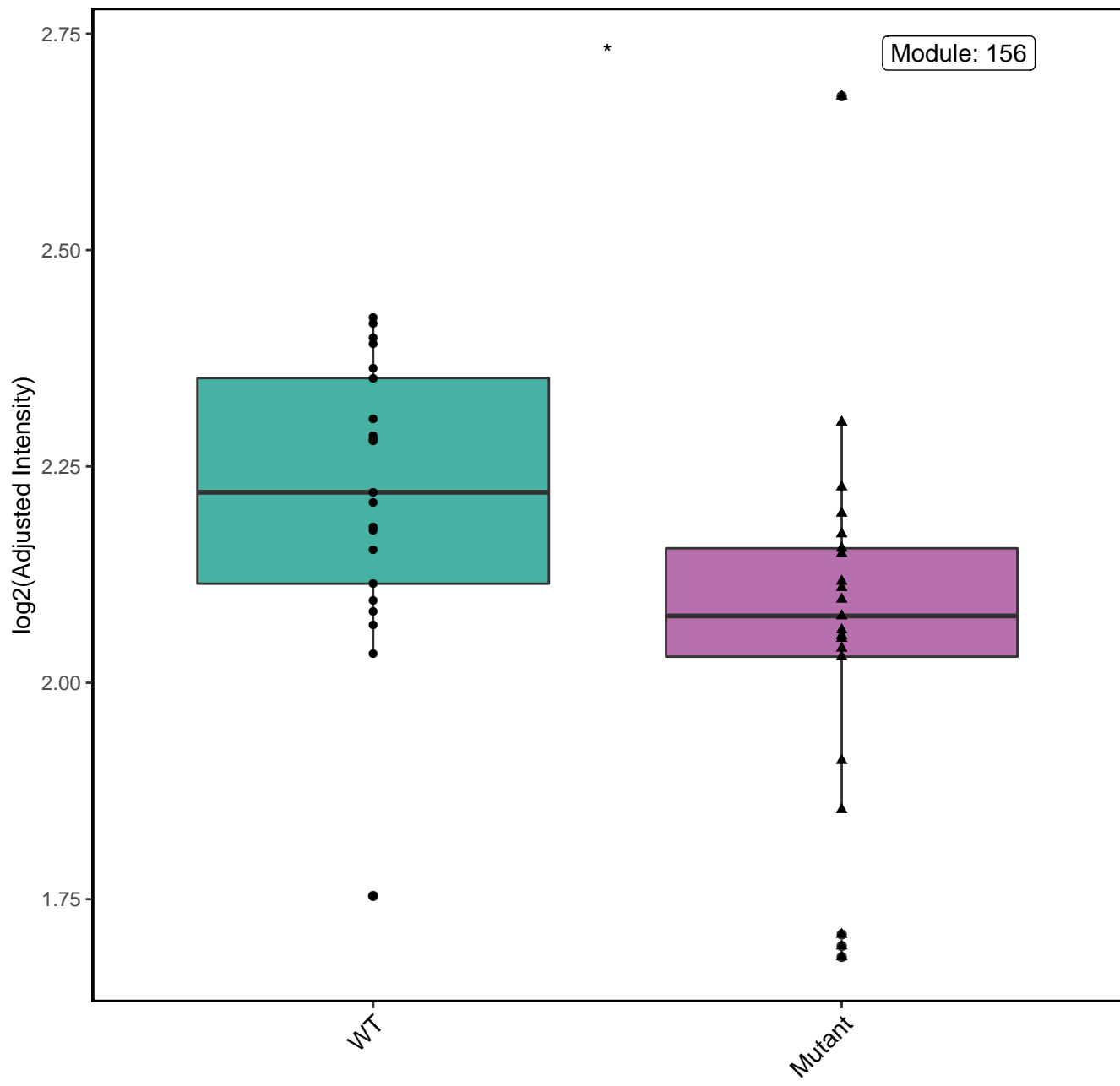


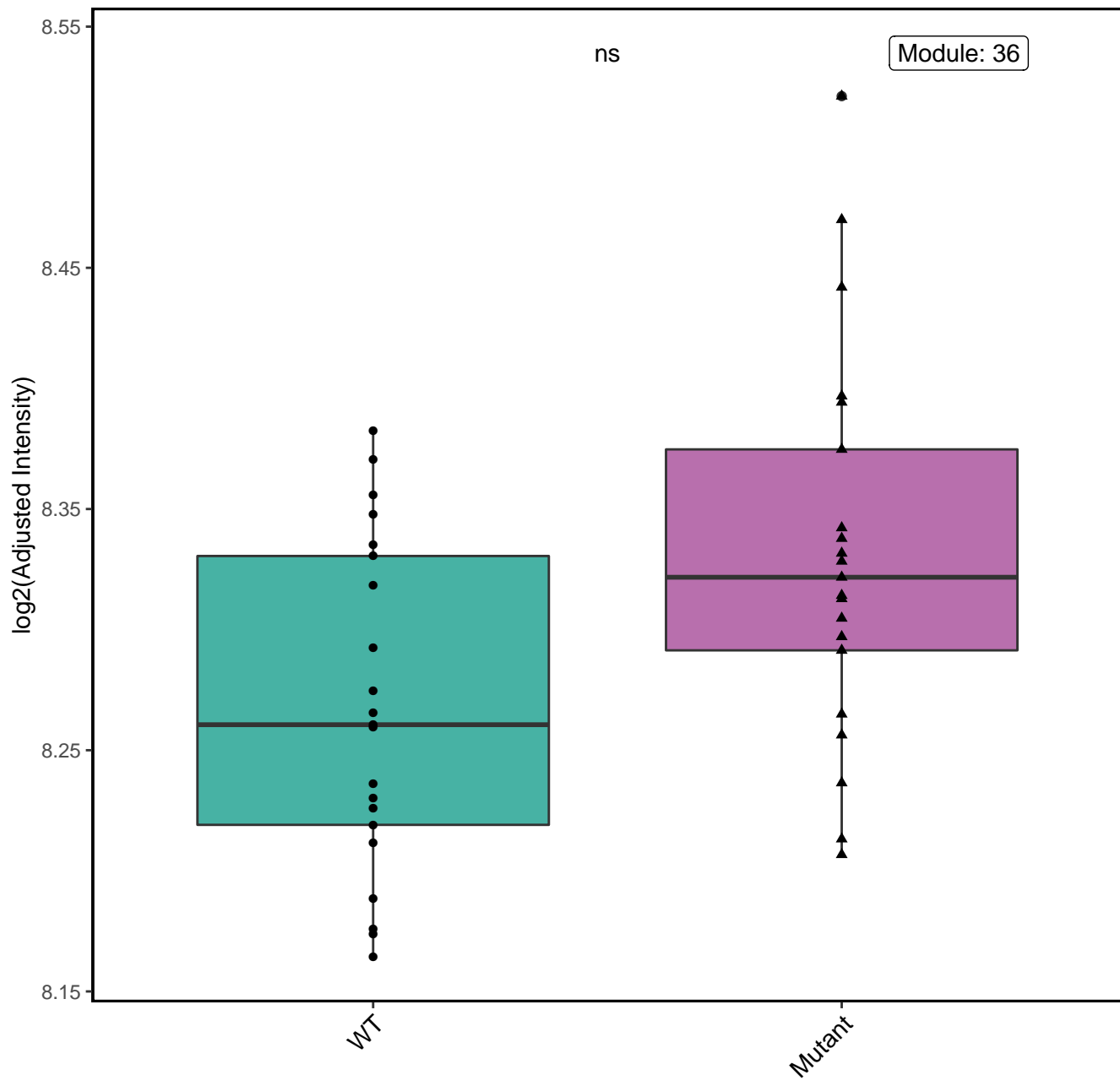


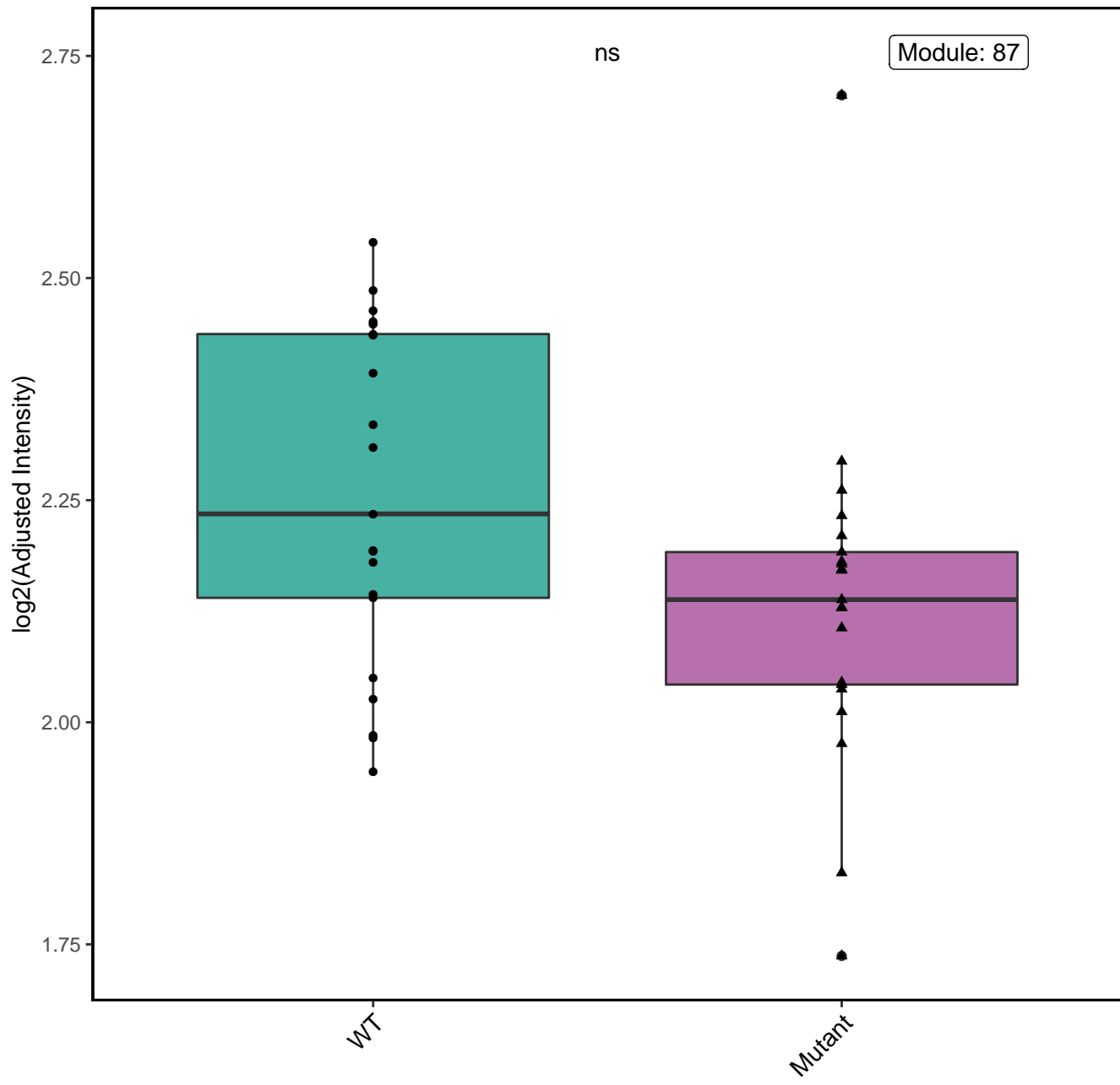


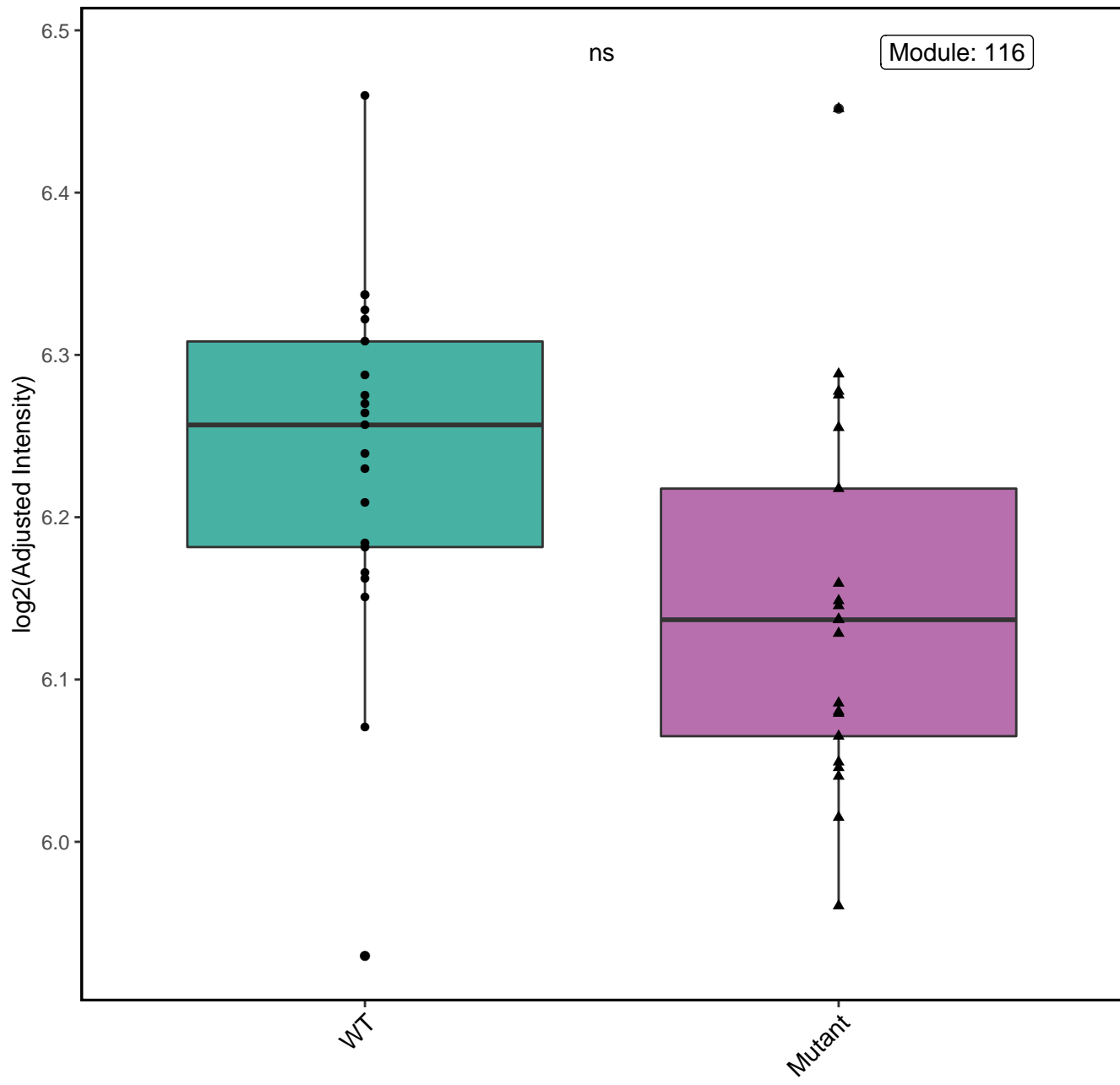


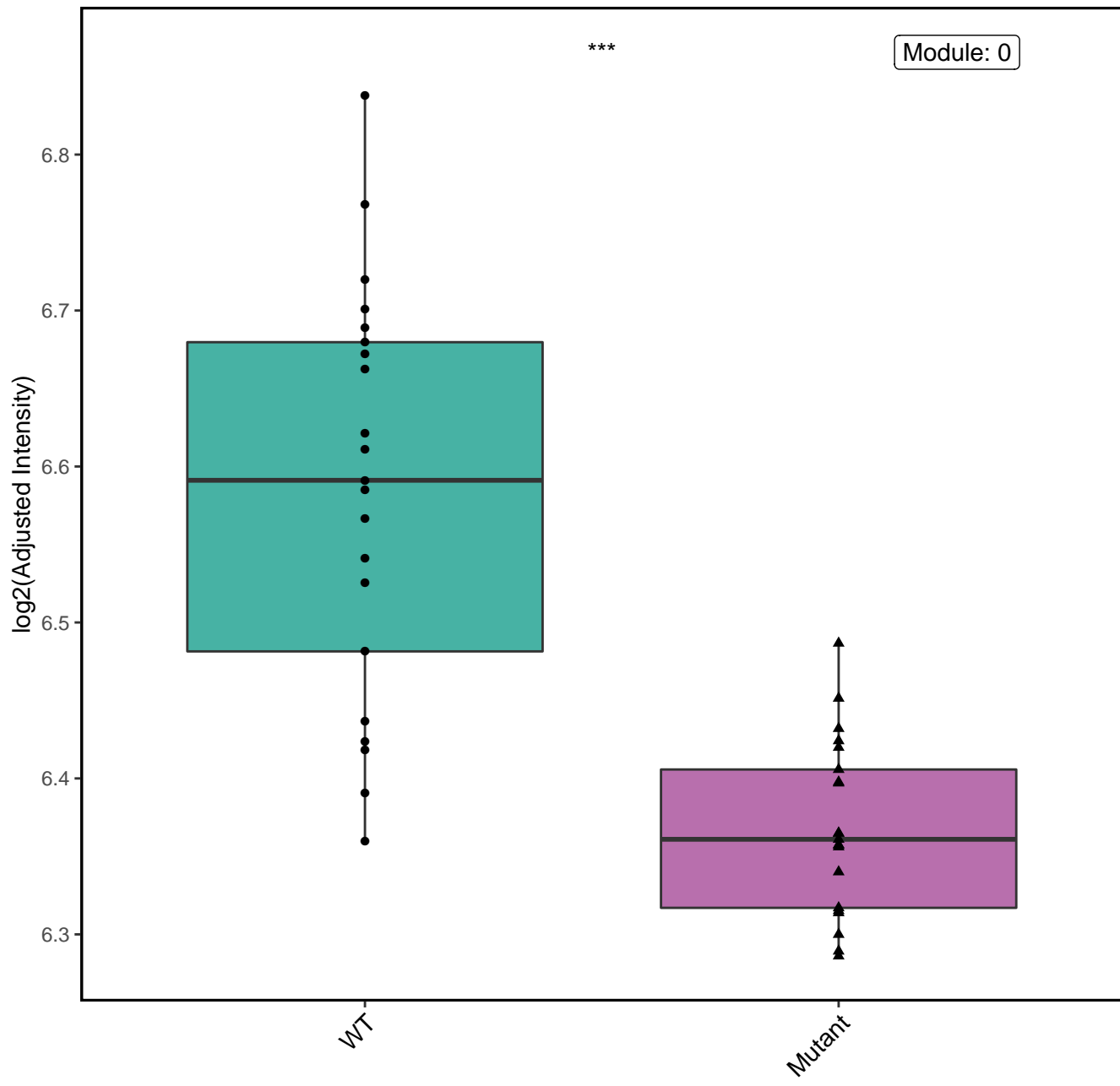




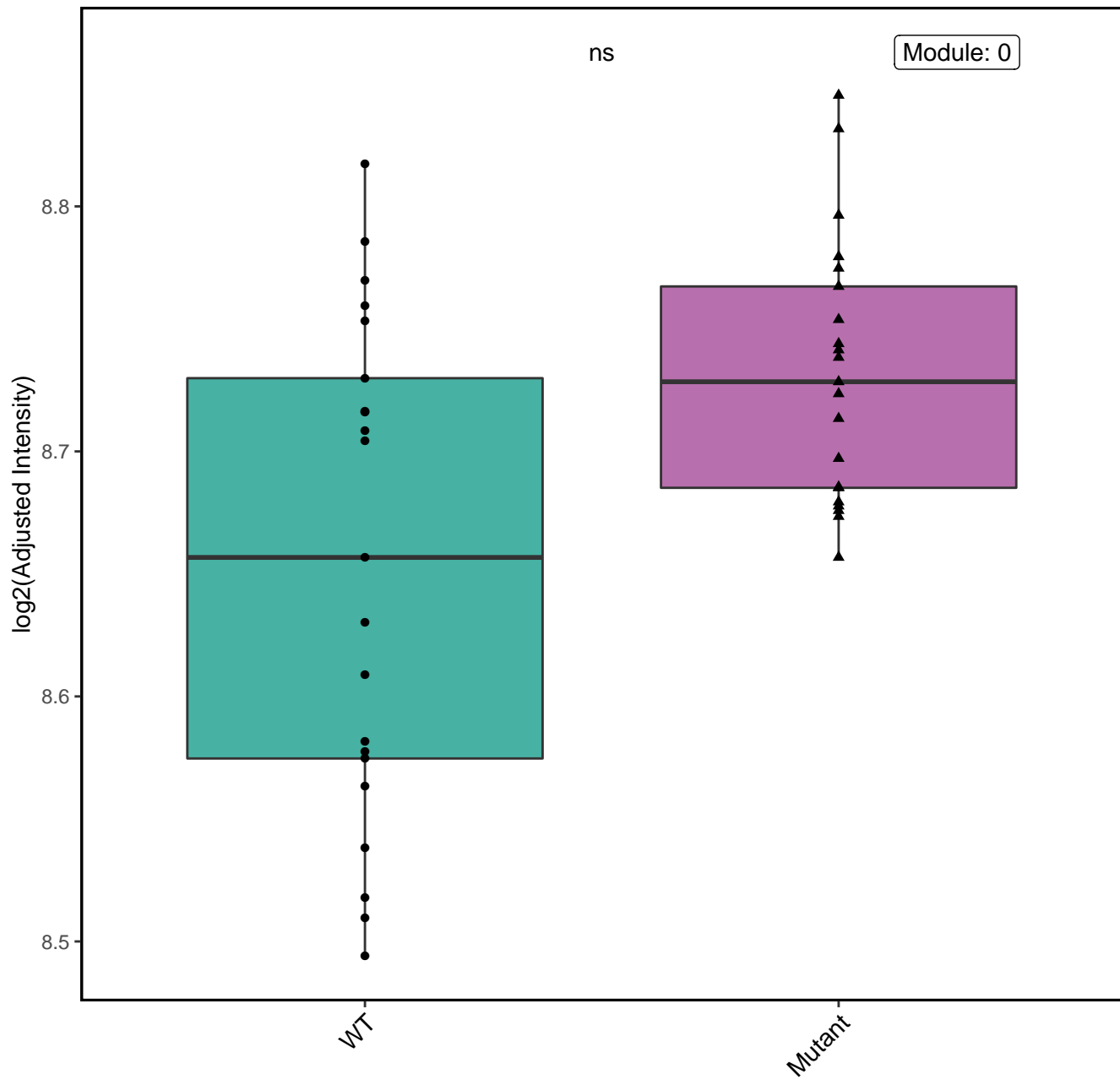


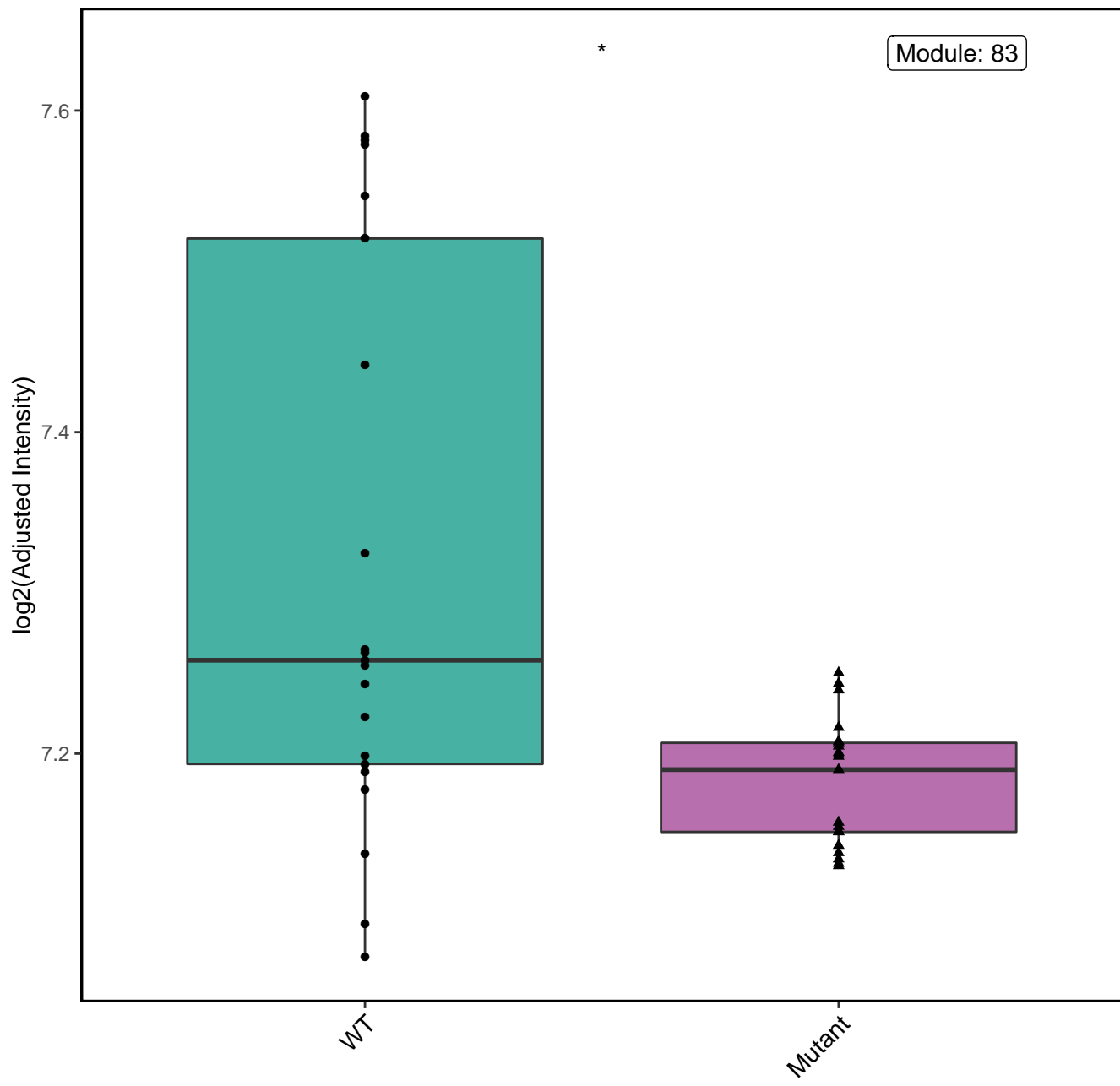


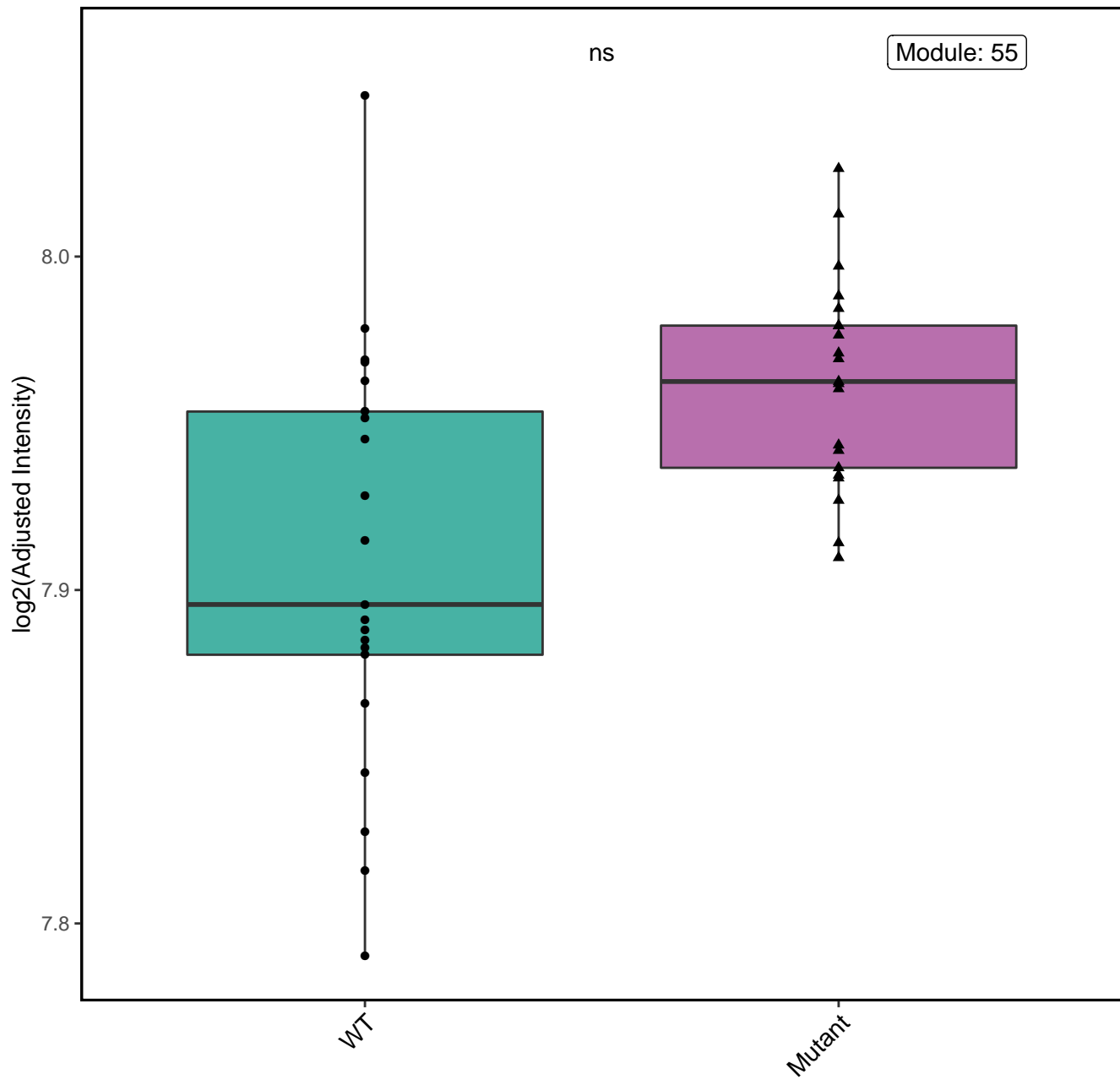


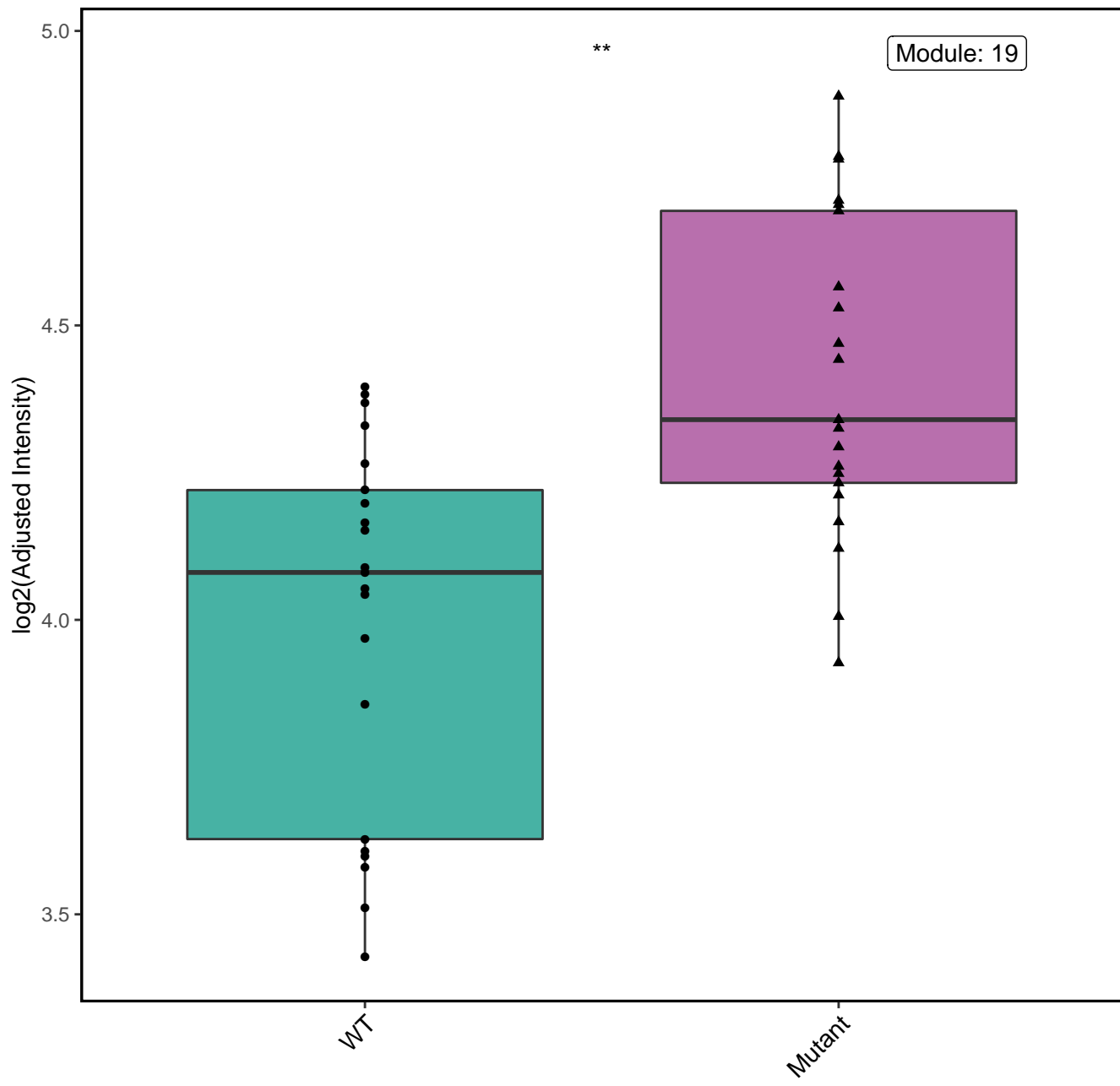


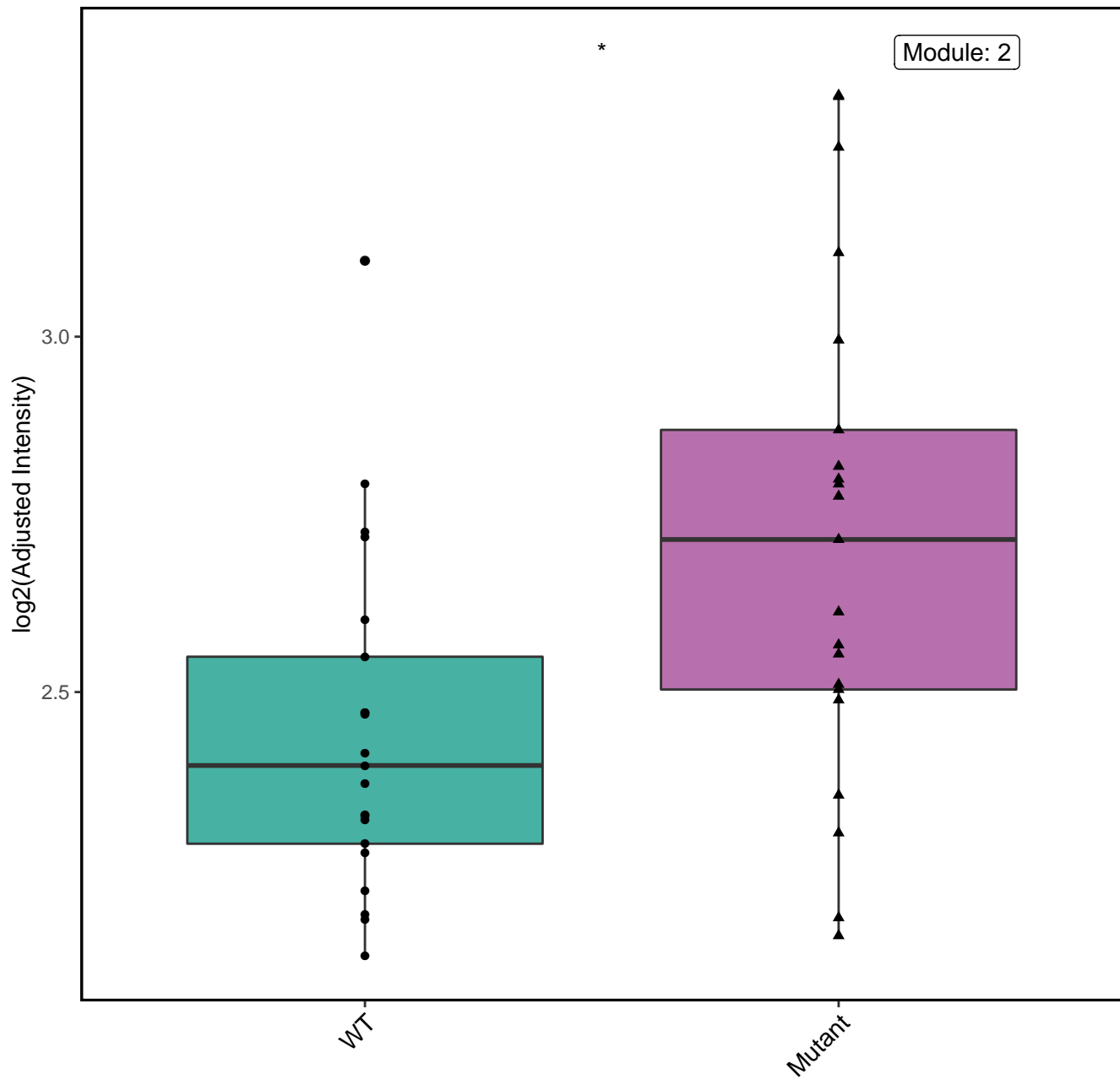


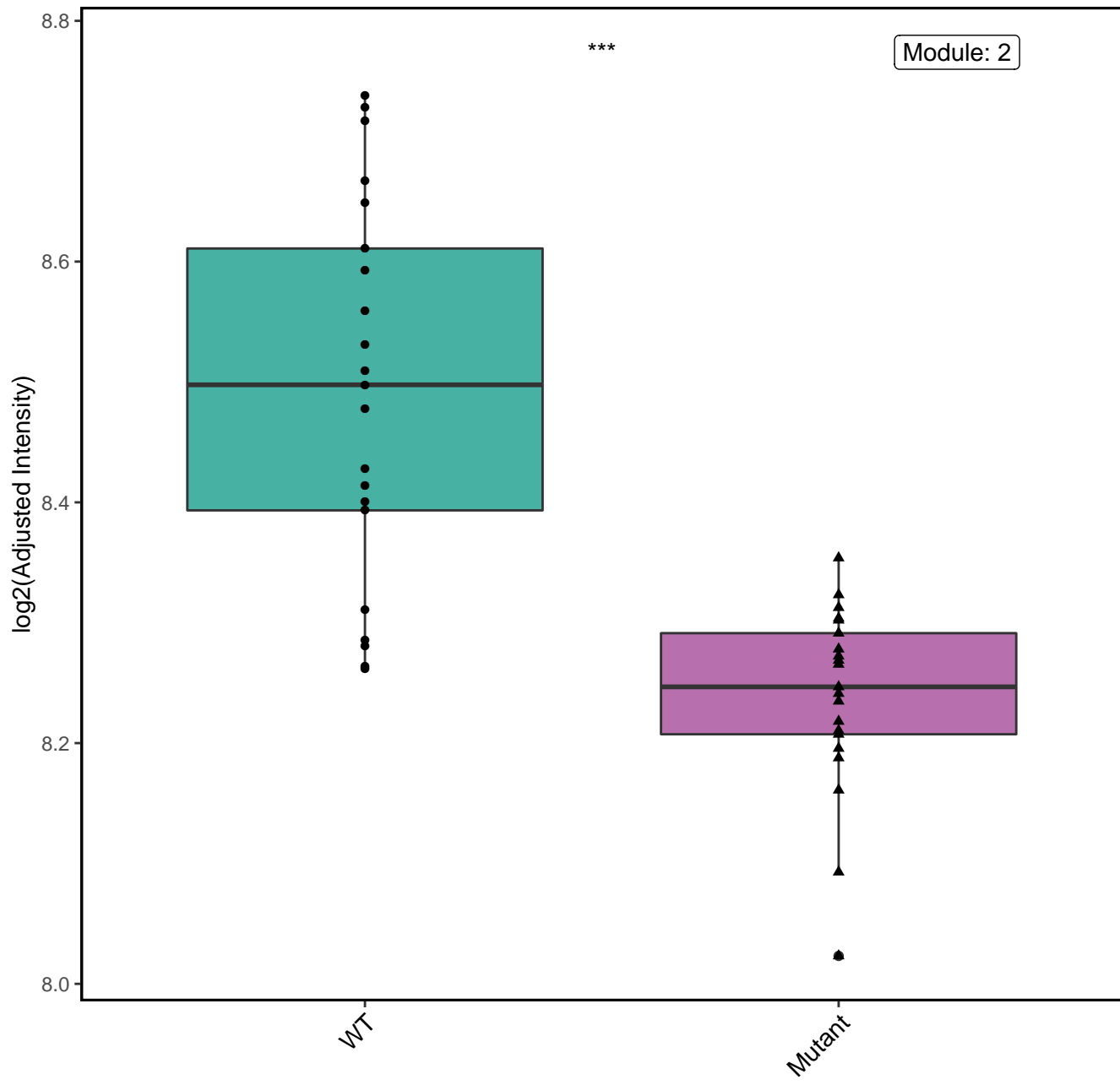


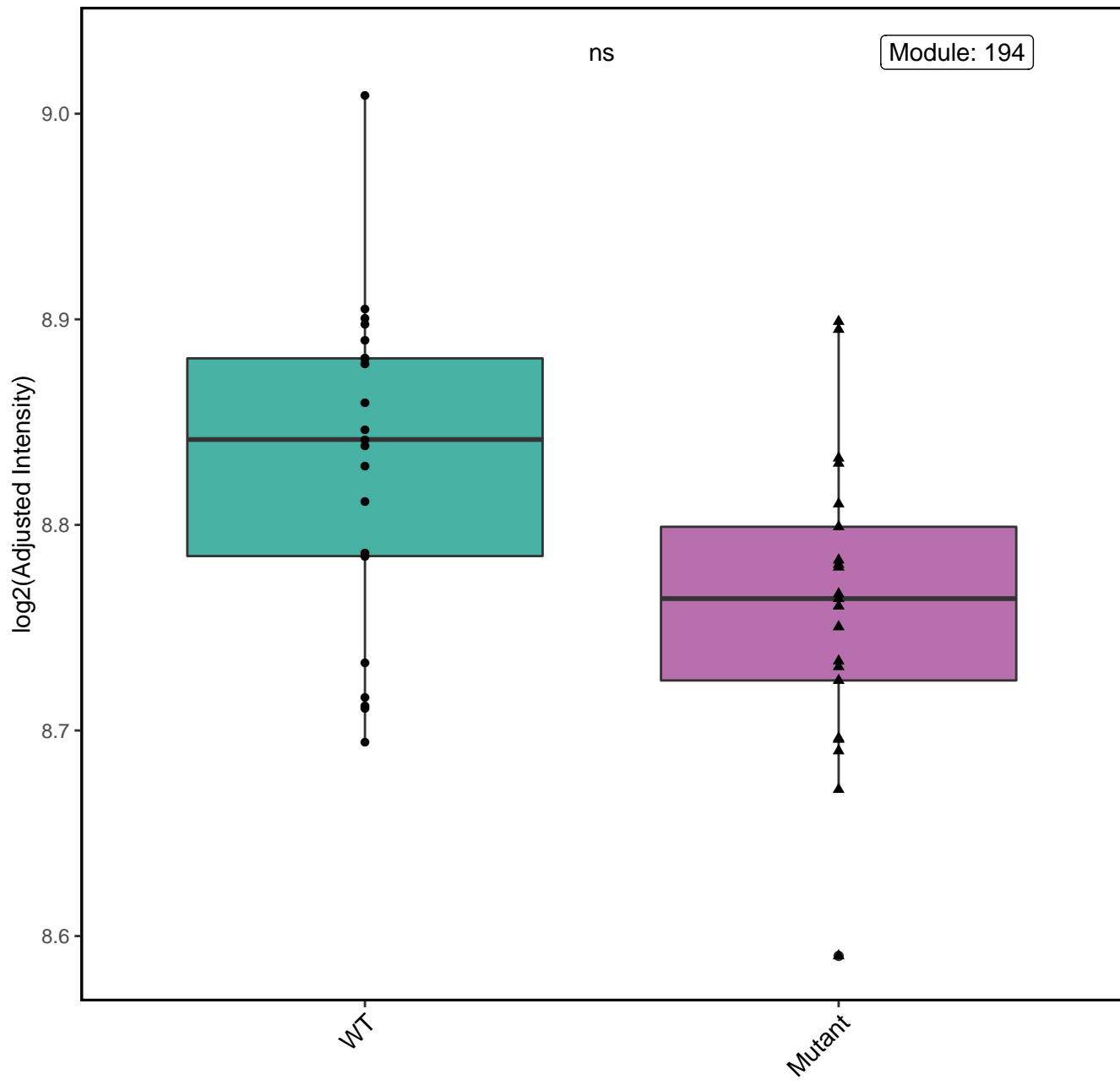


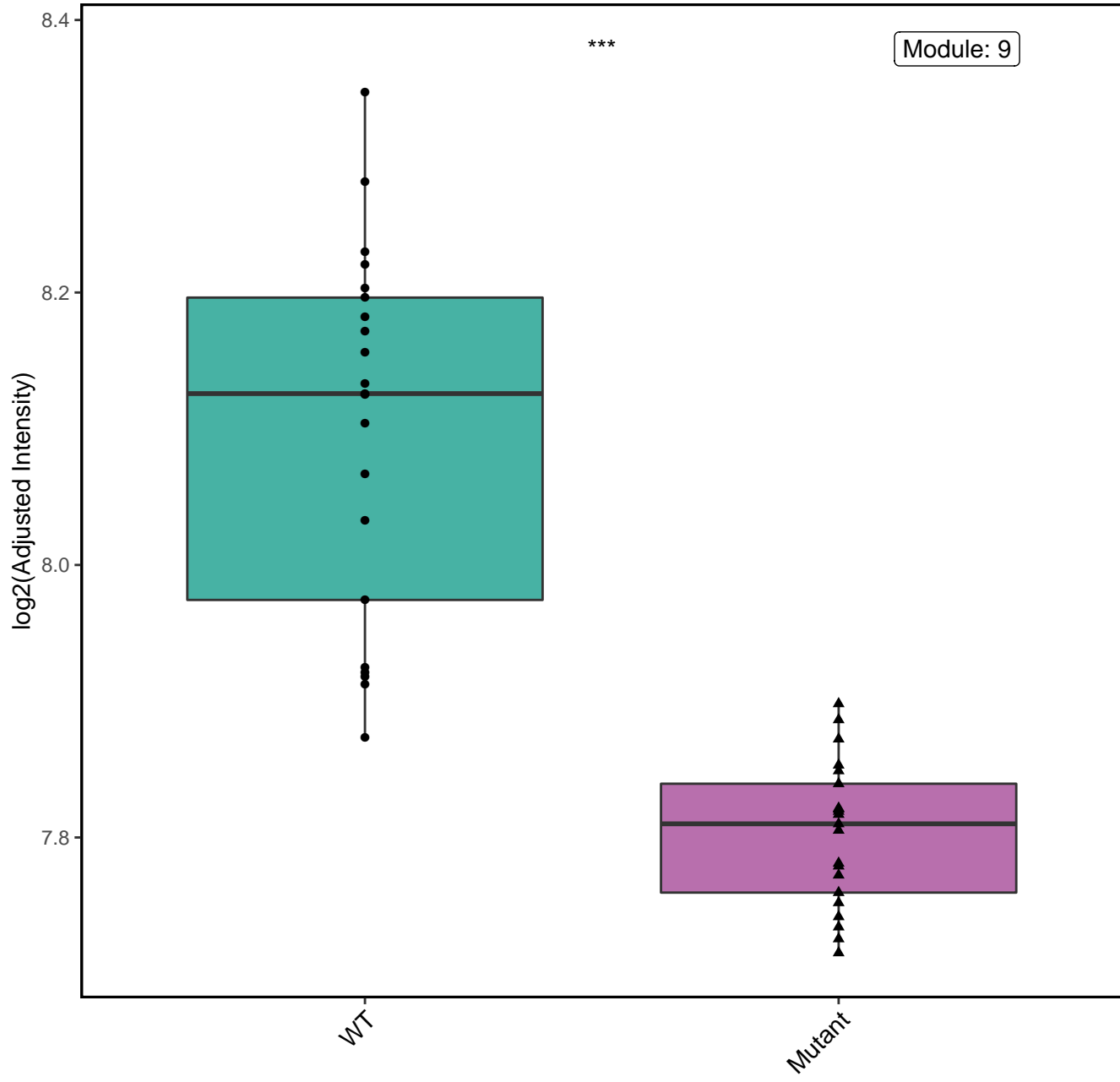






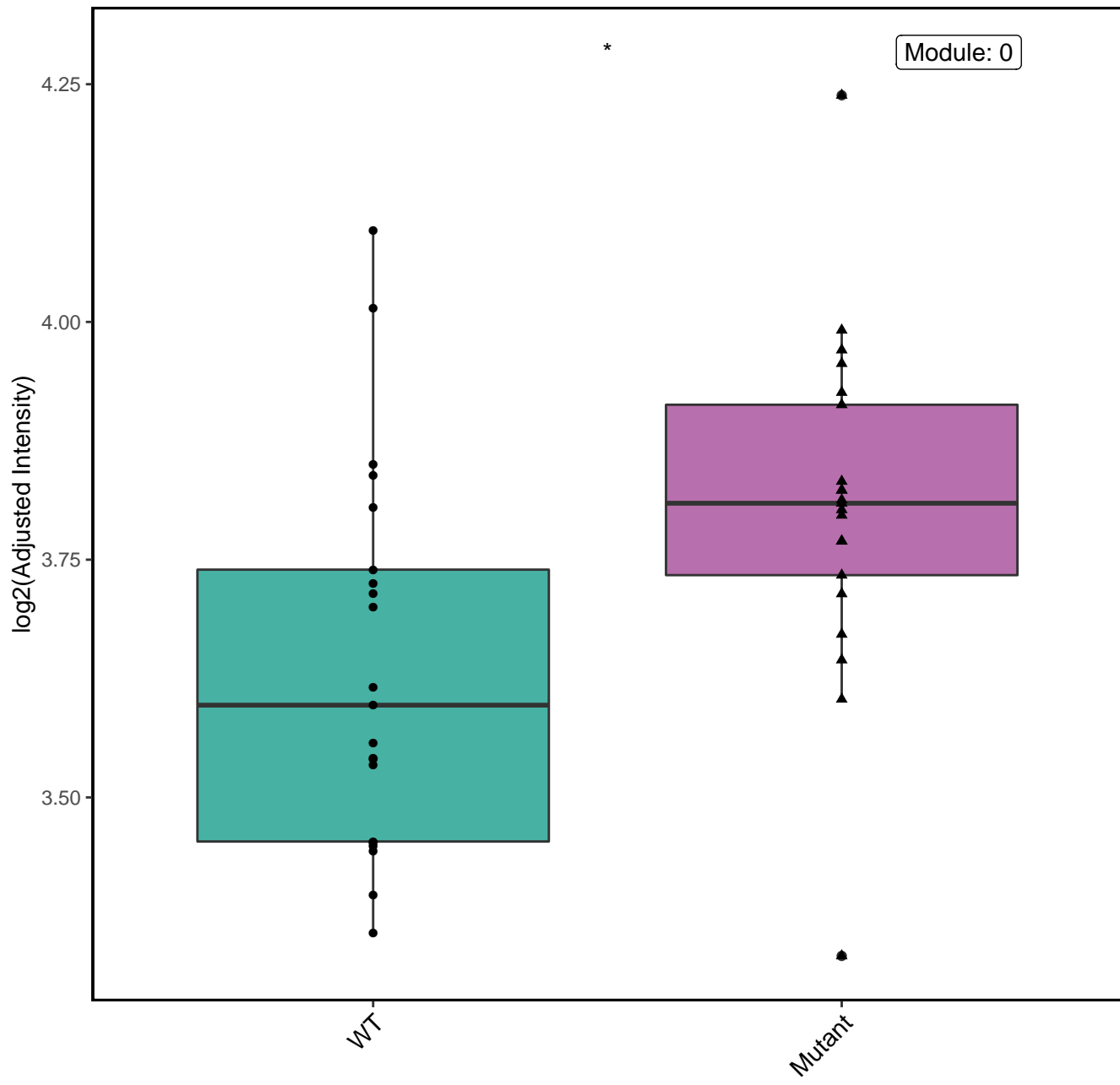


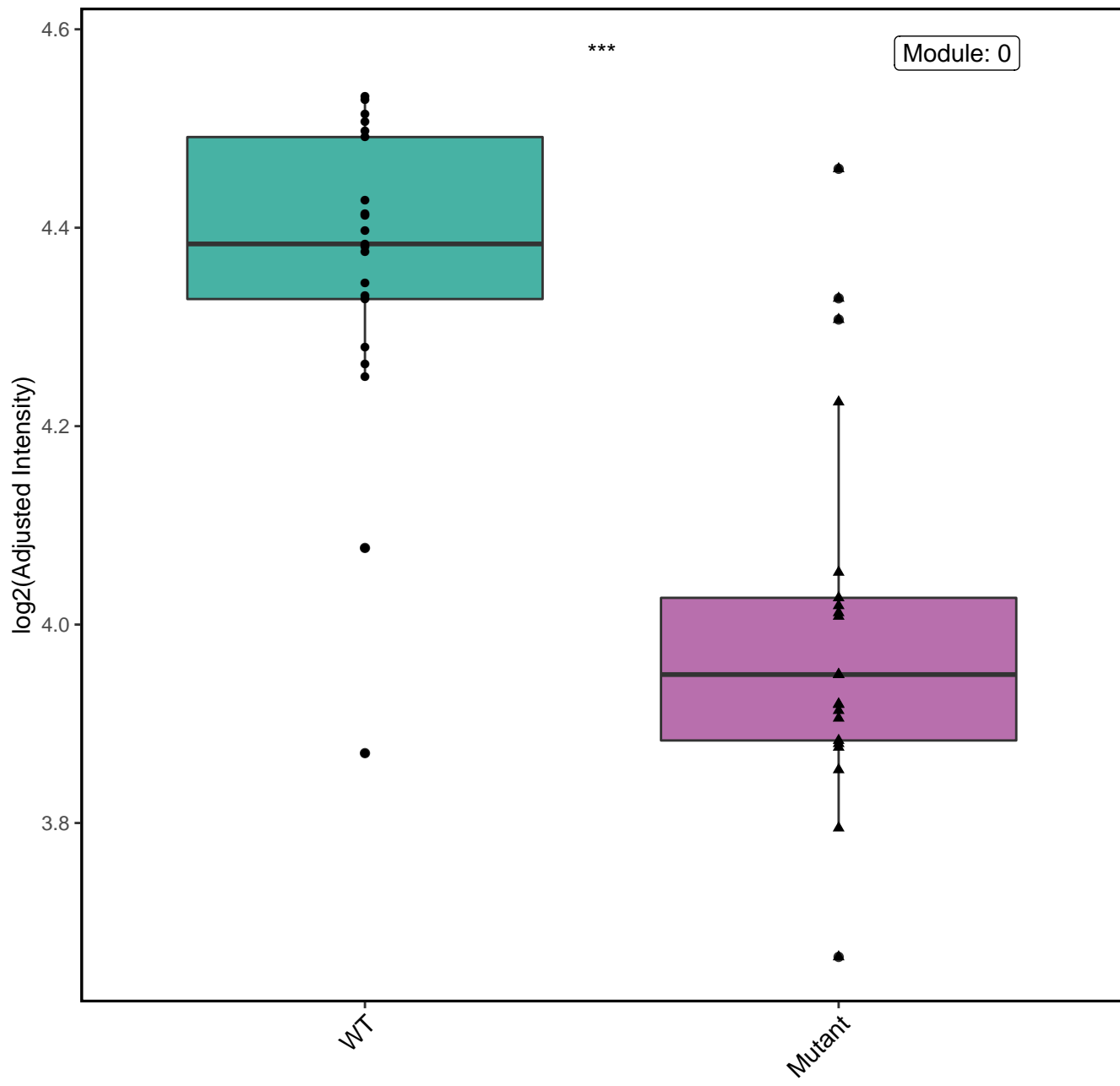


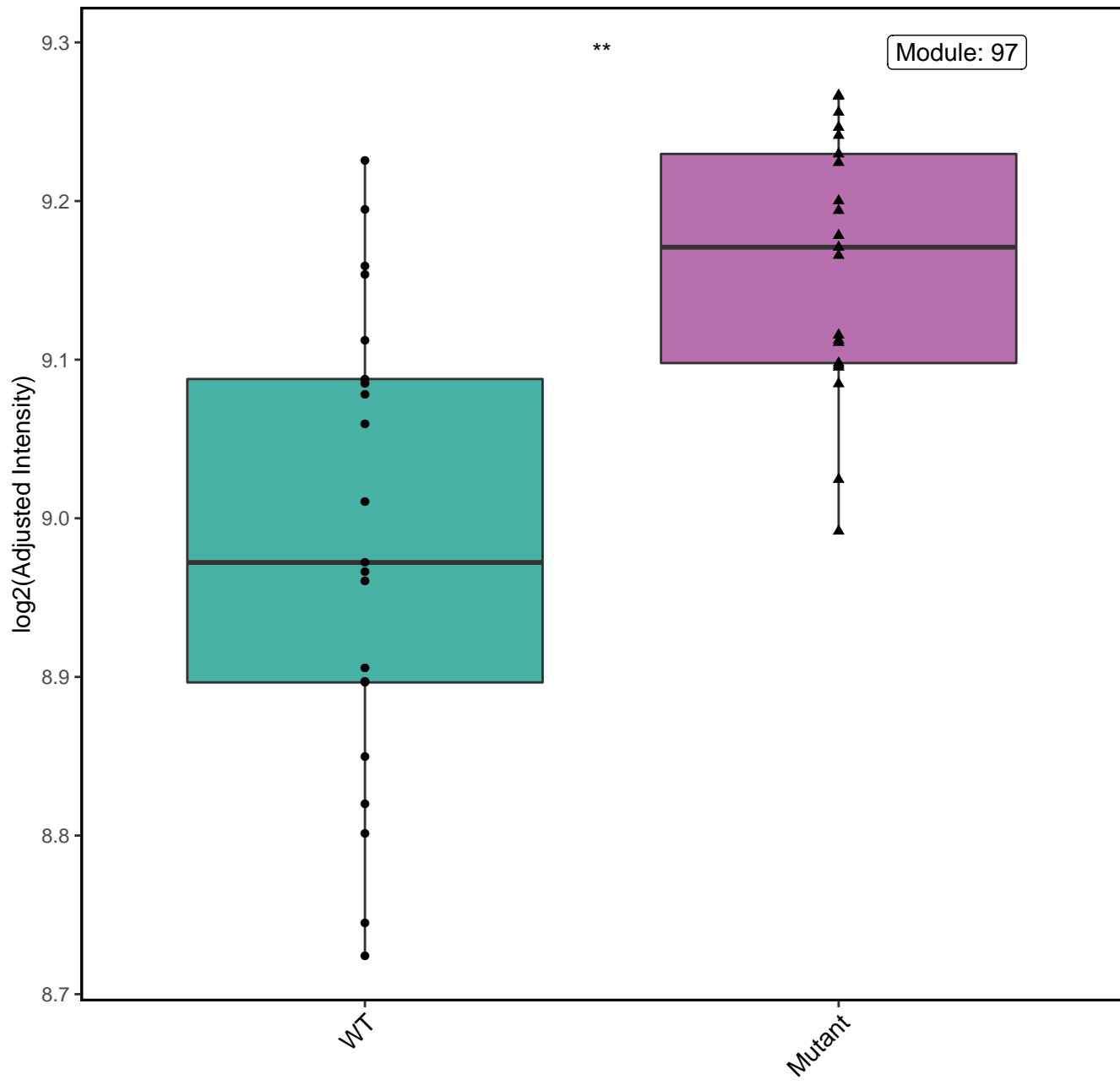


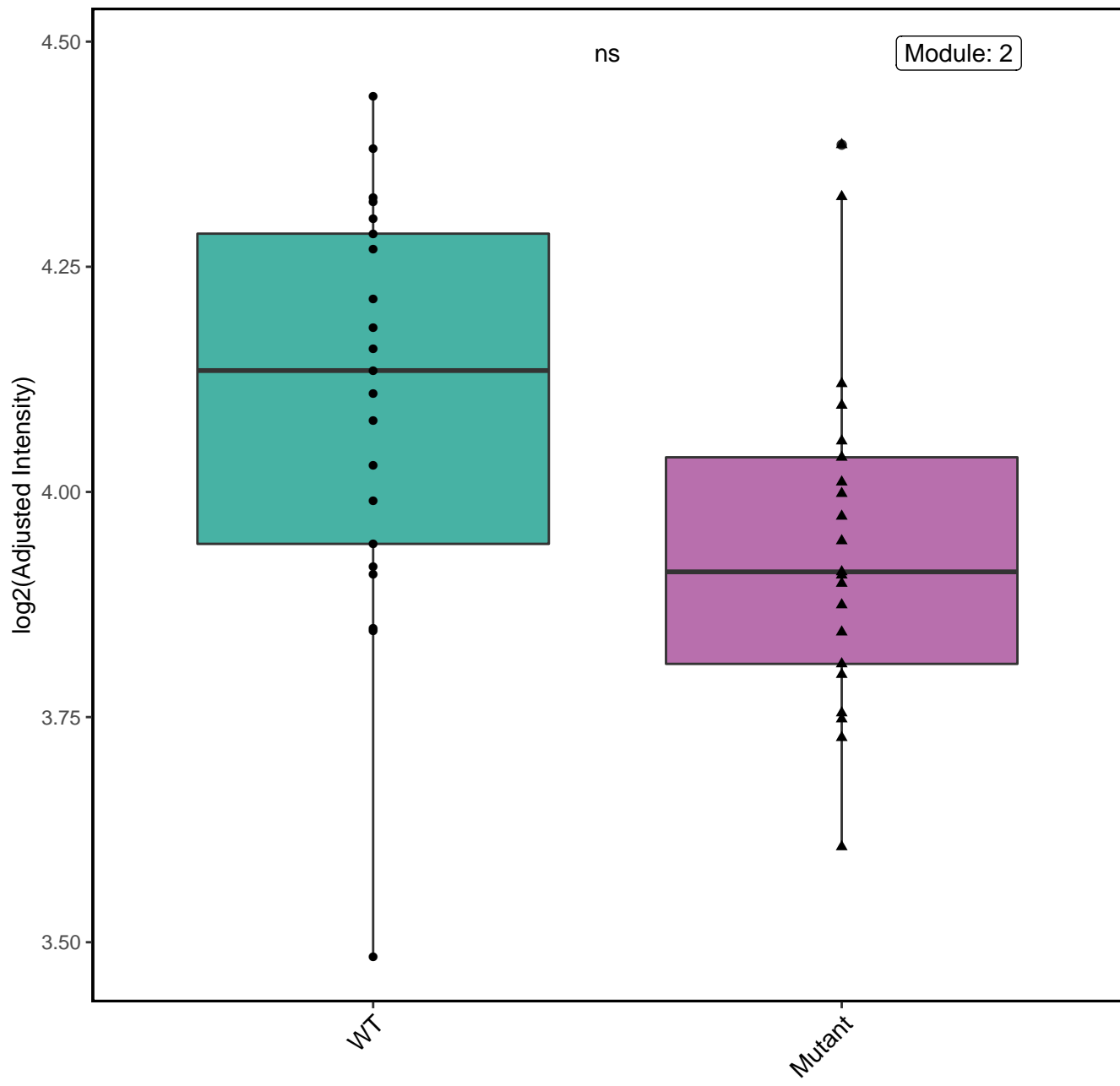


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log2(Adjusted Intensity)

5.7

5.6

5.5

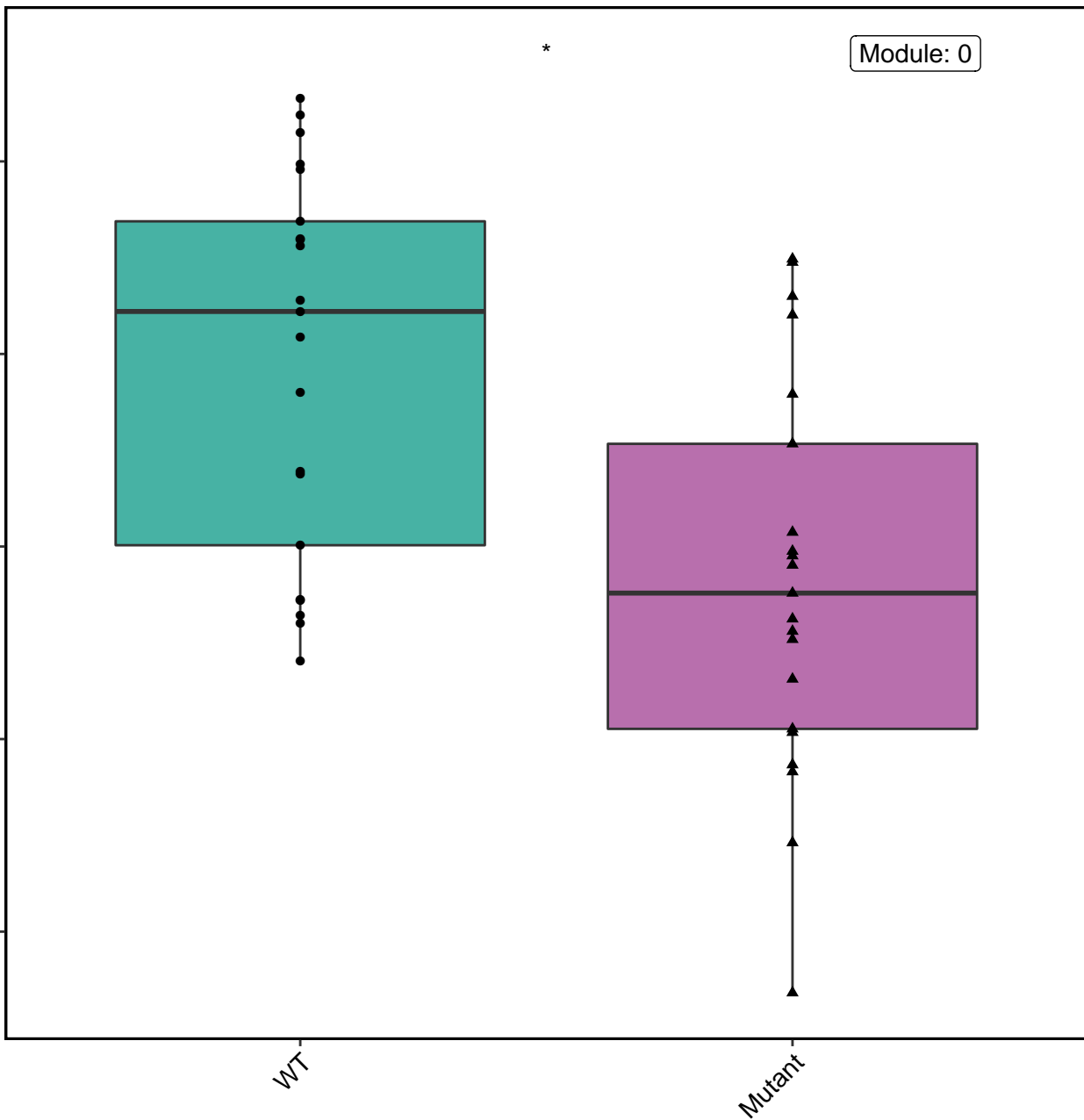
5.4

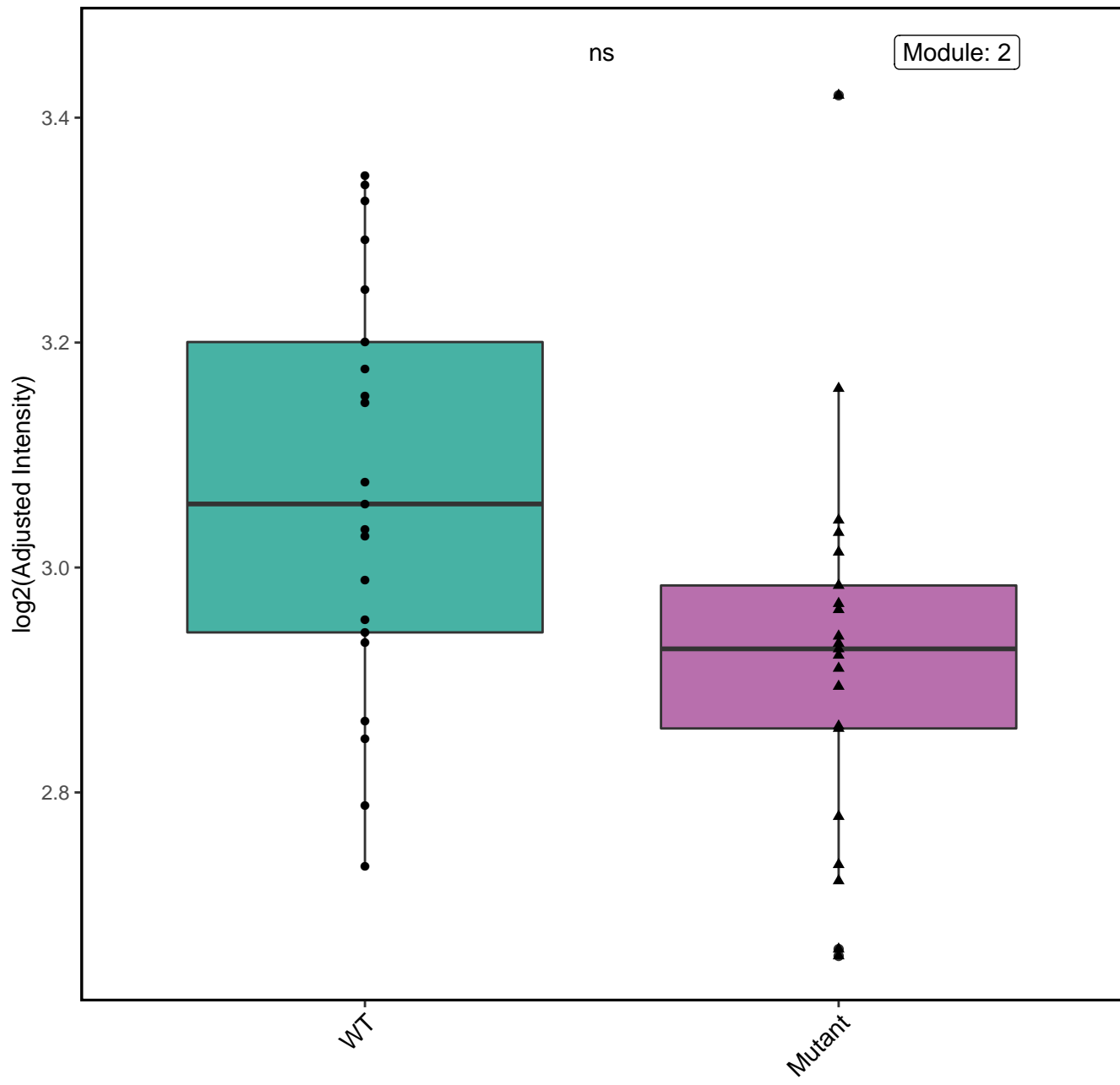
5.3

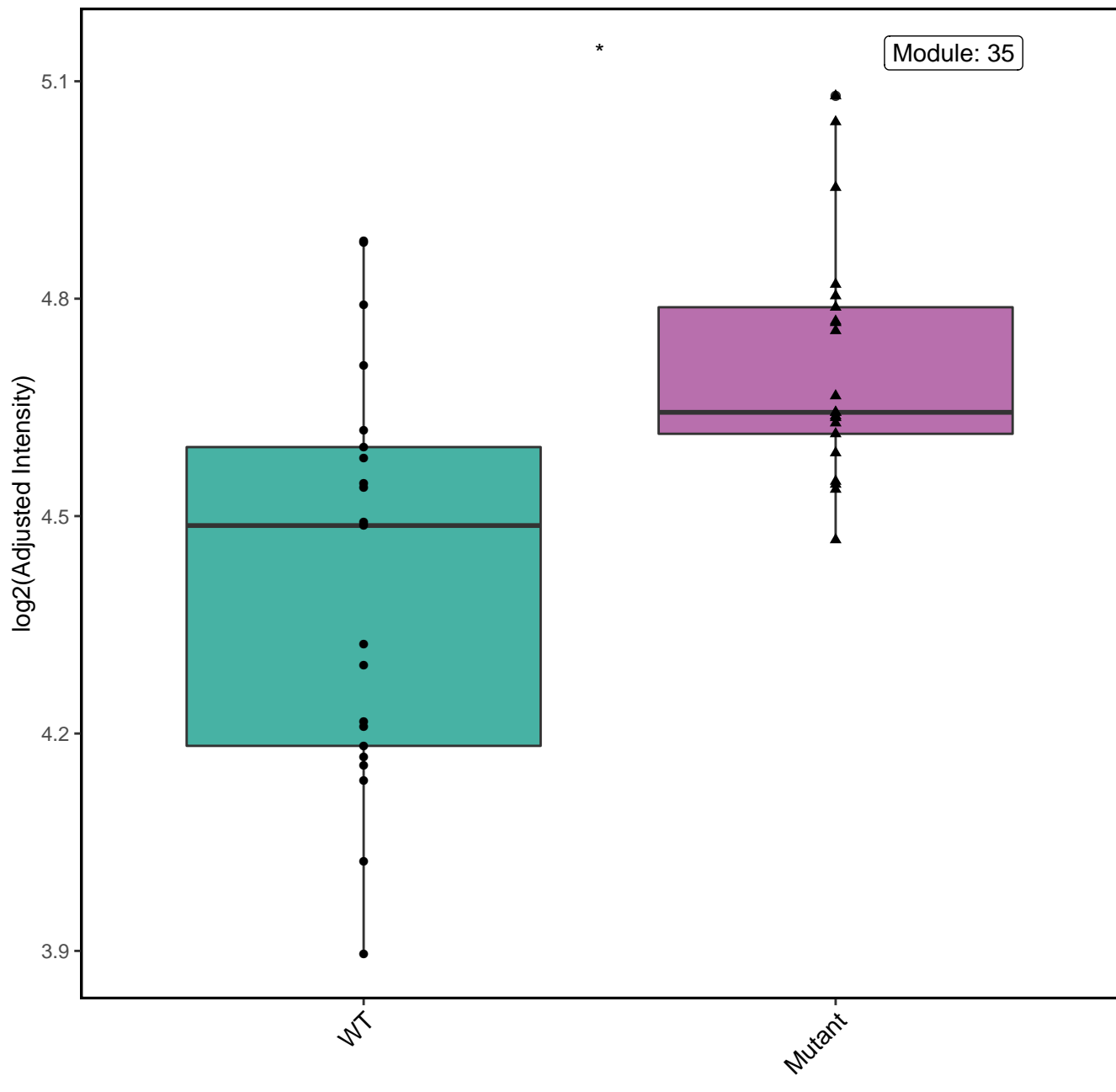
WT

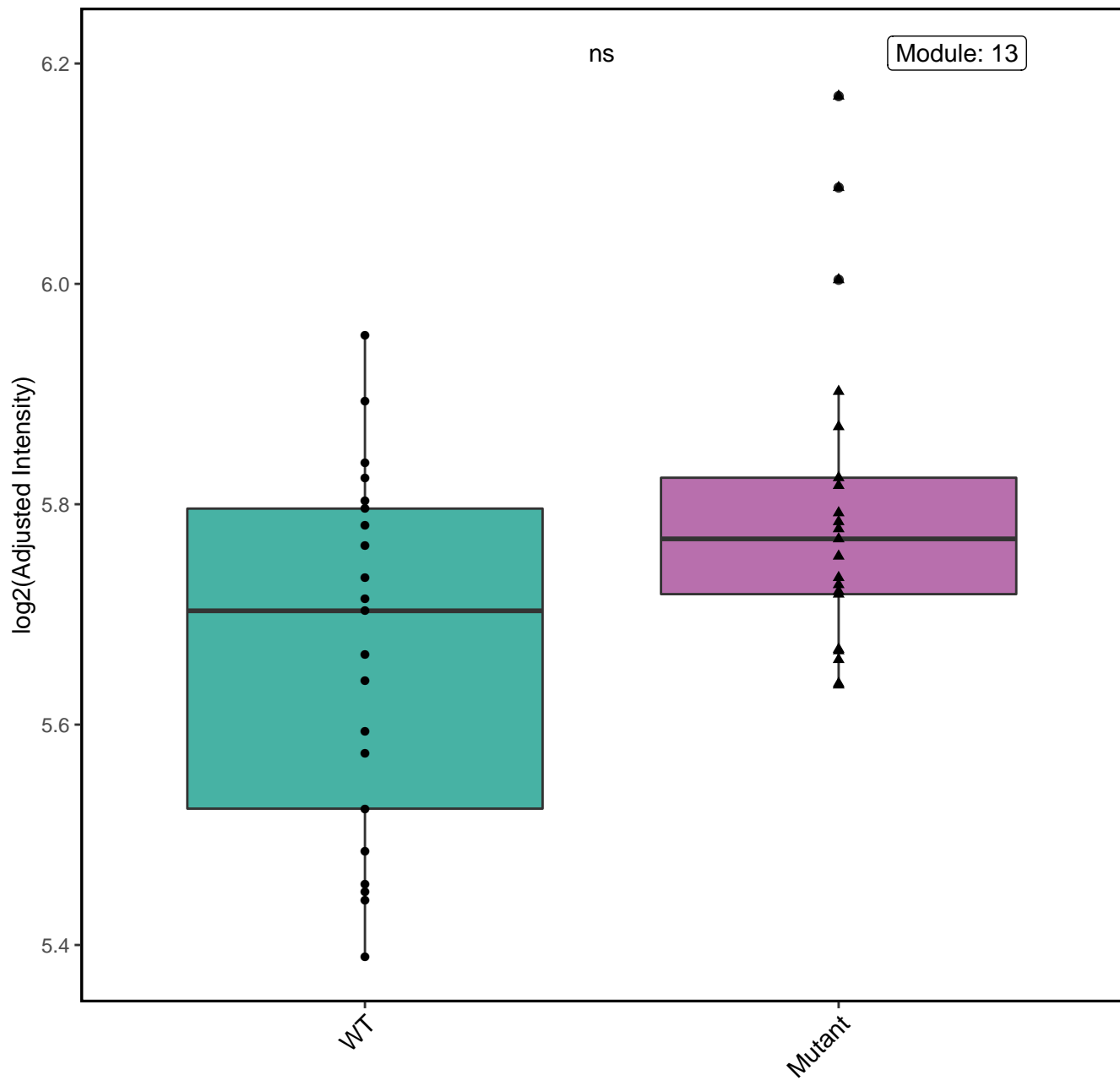
Mutant

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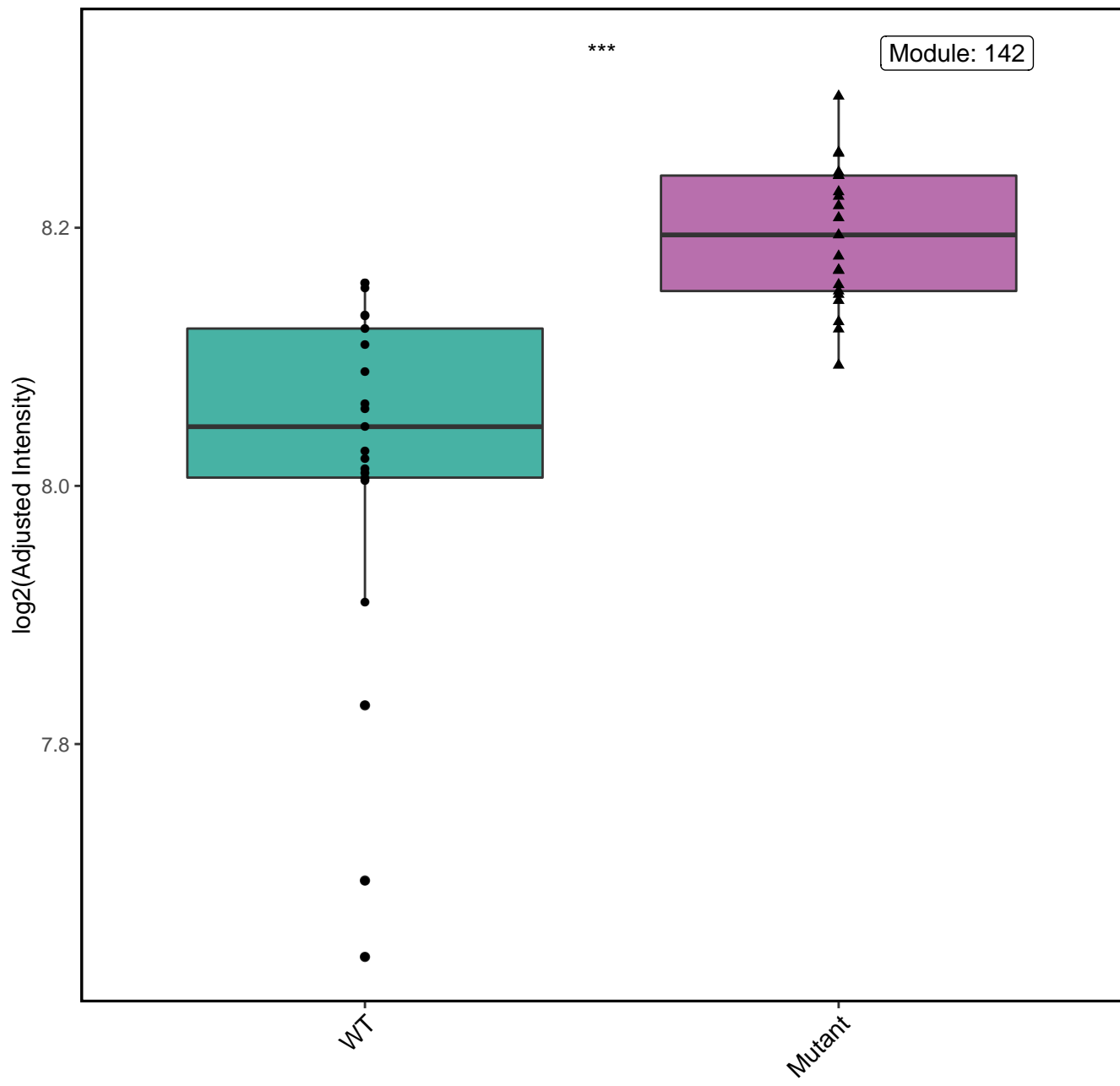


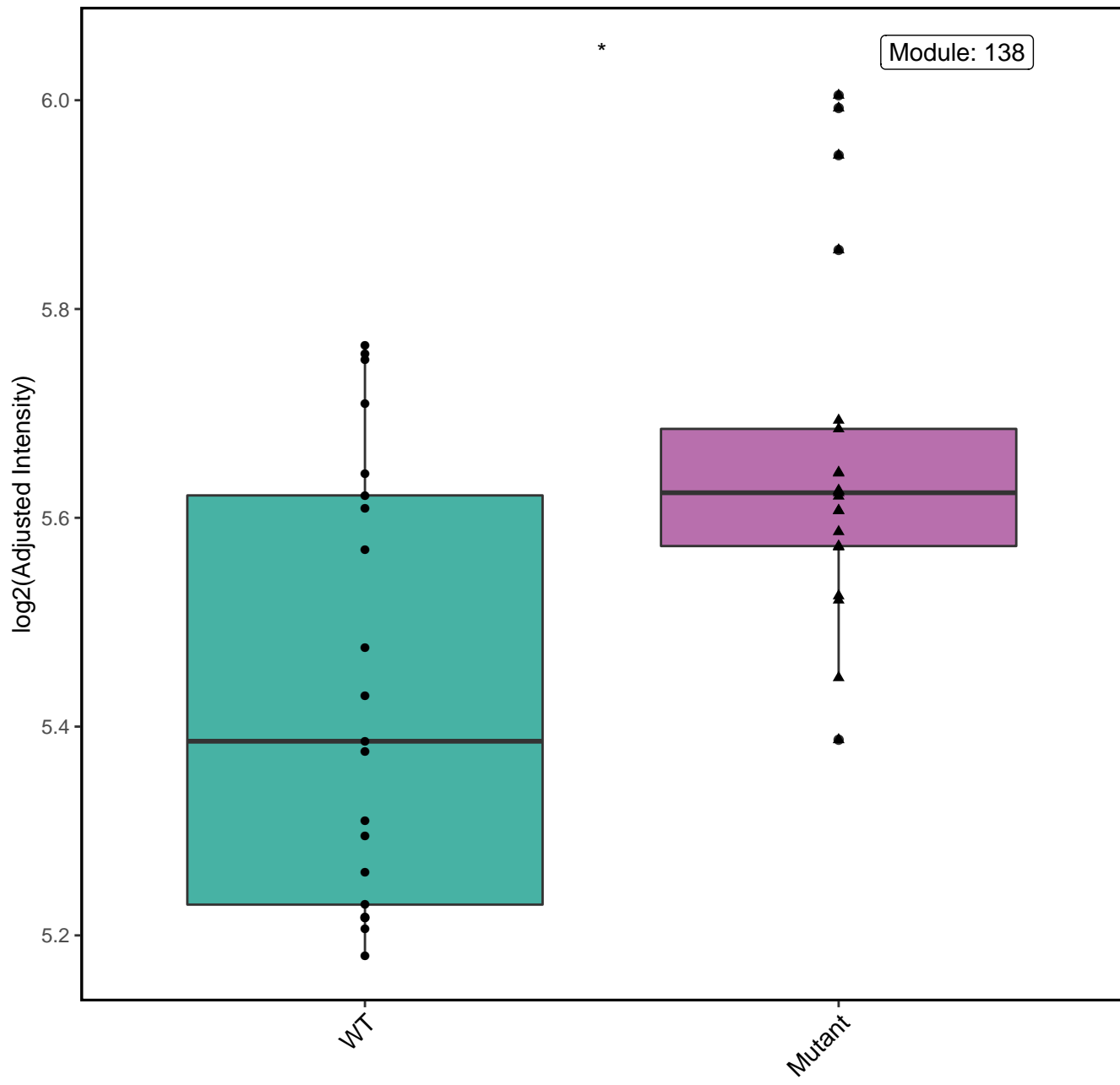


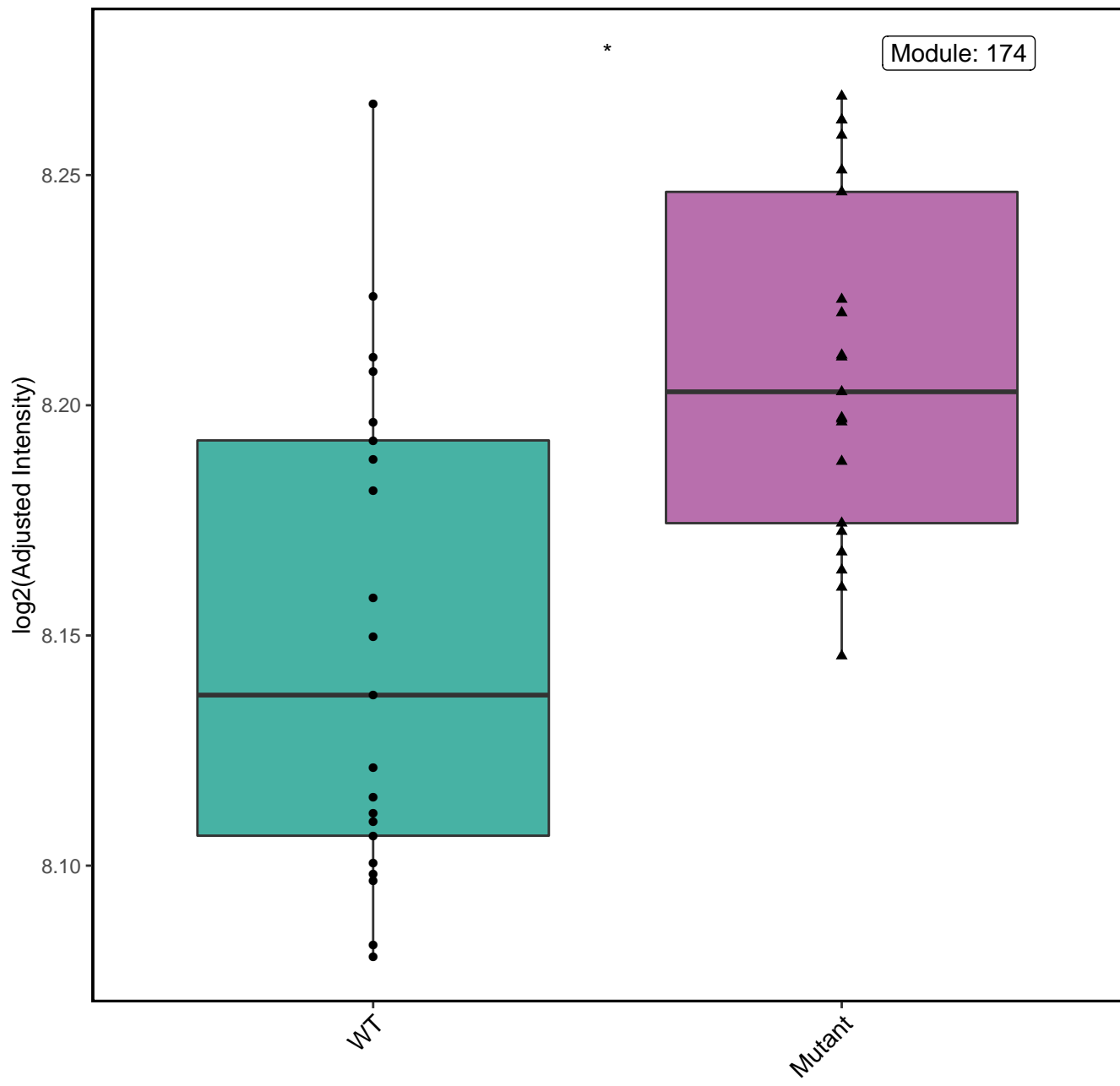












log2(Adjusted Intensity)

4.0

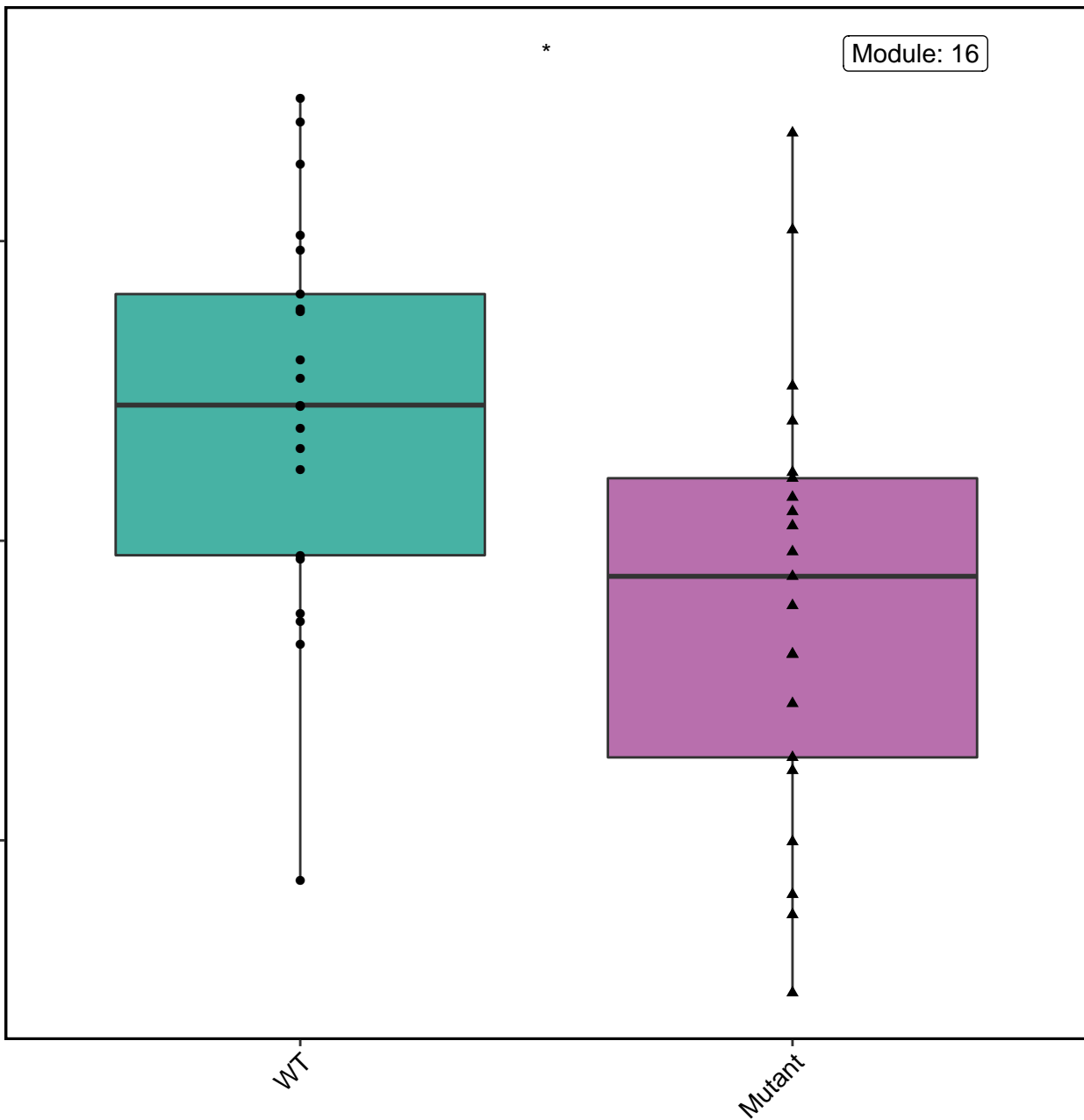
3.5

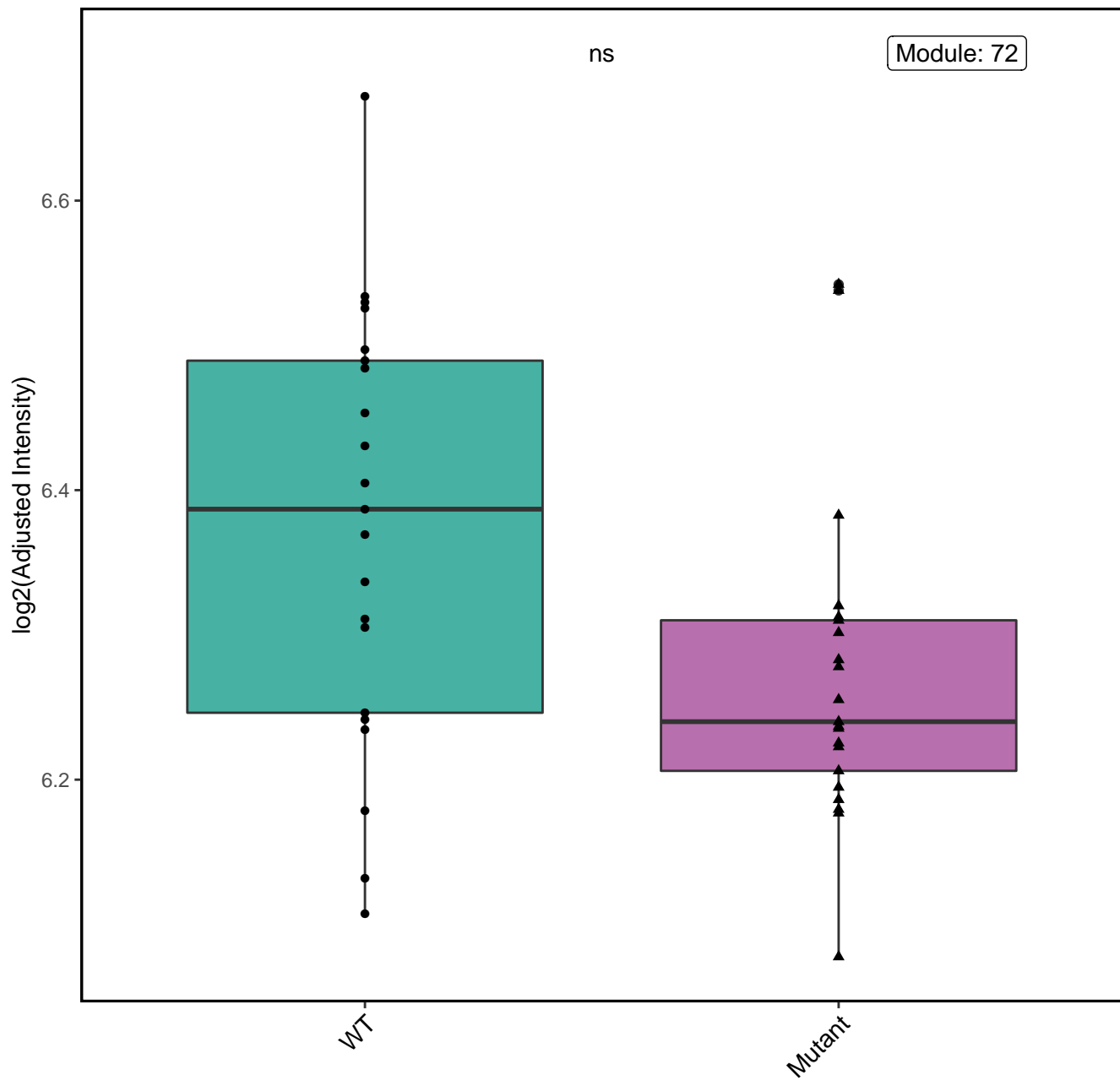
3.0

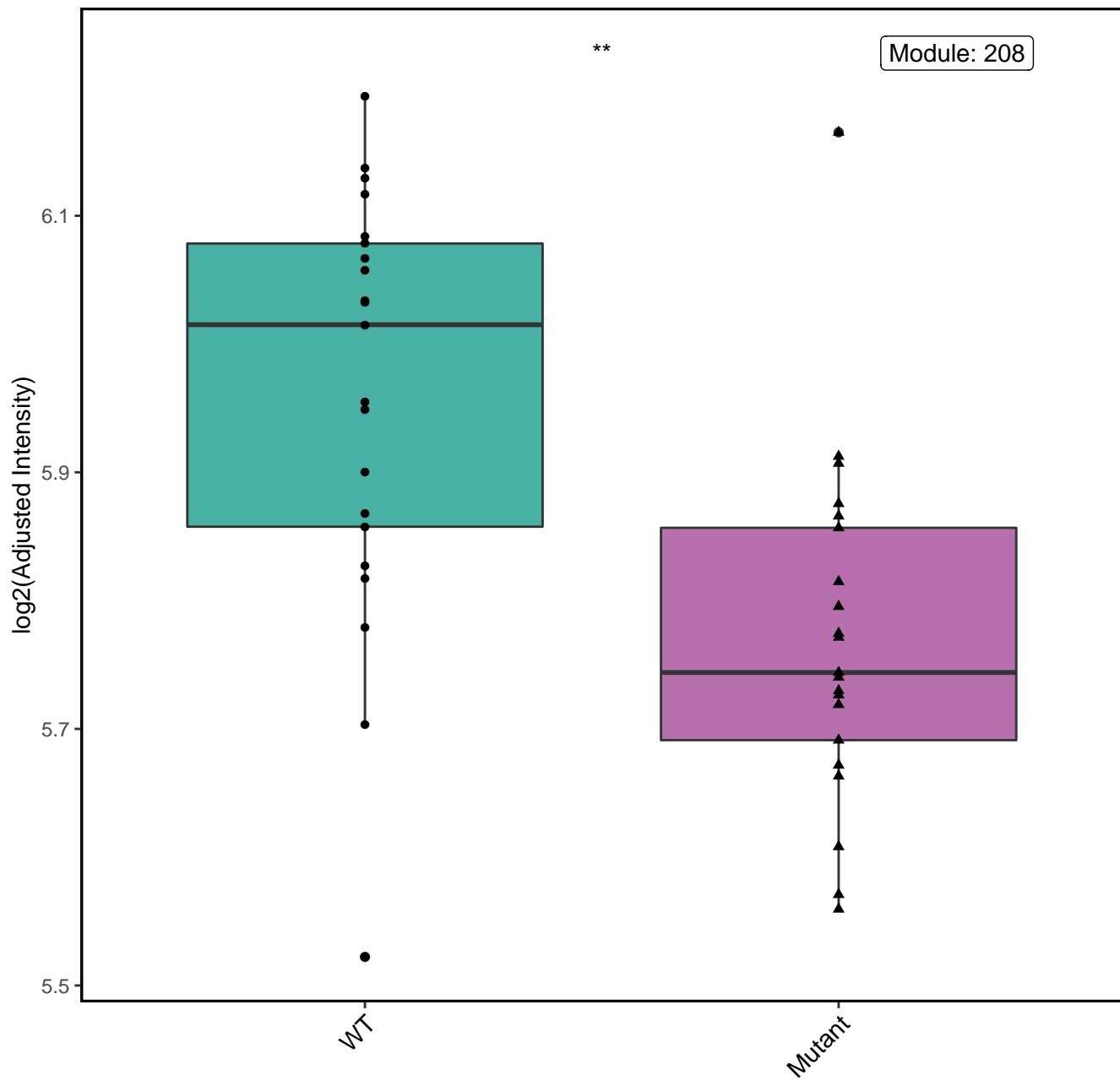
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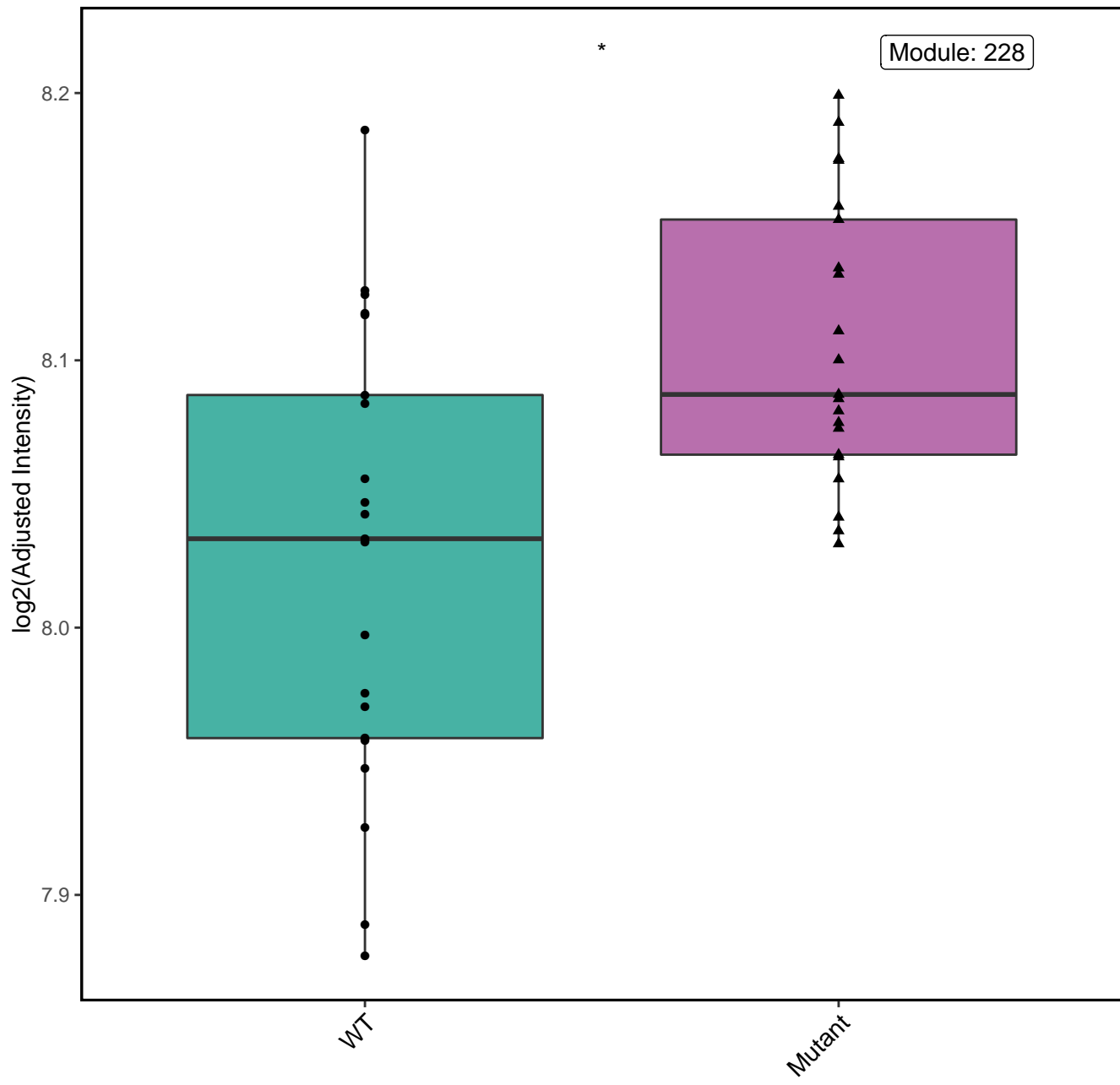
Mutant

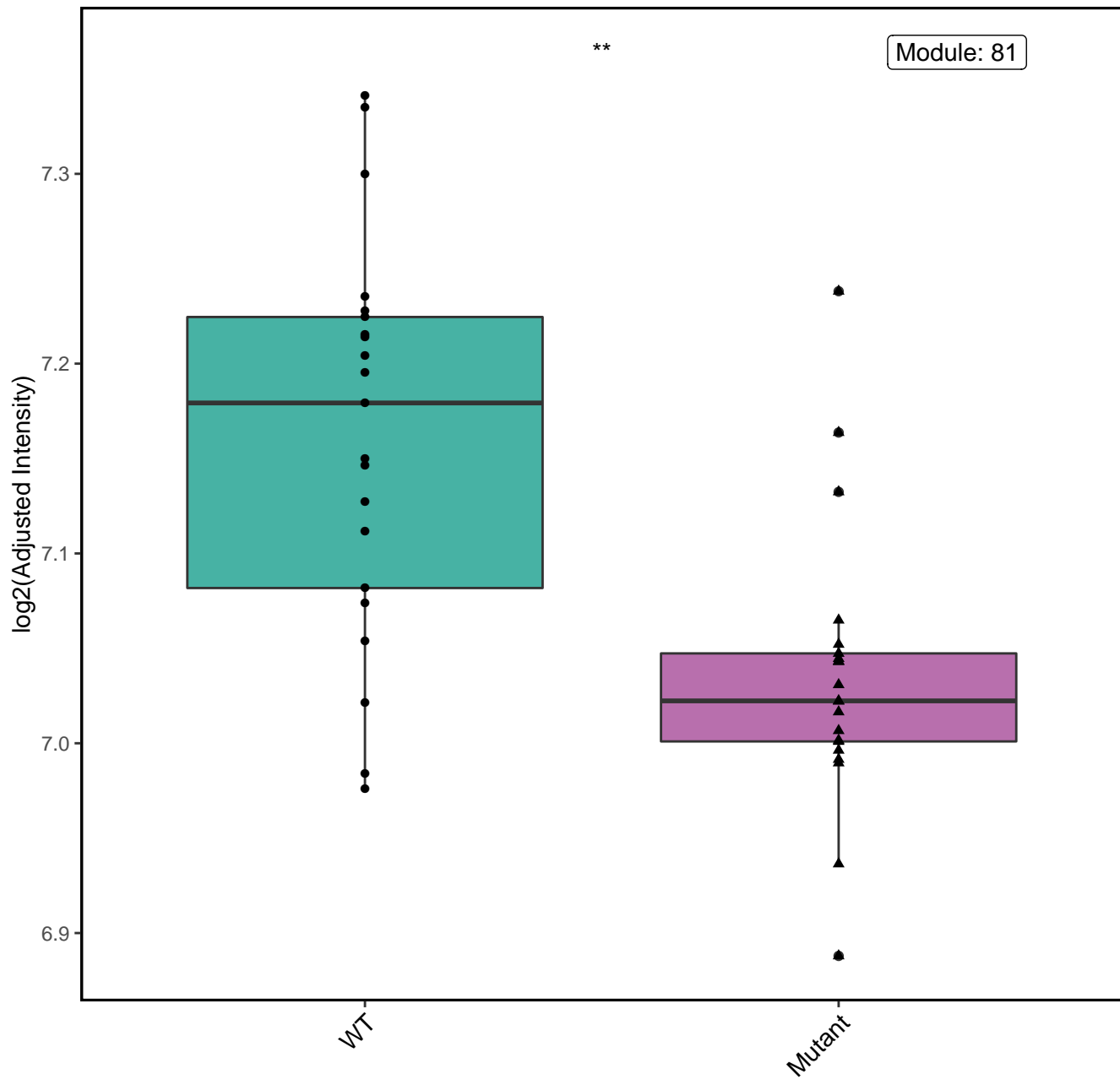
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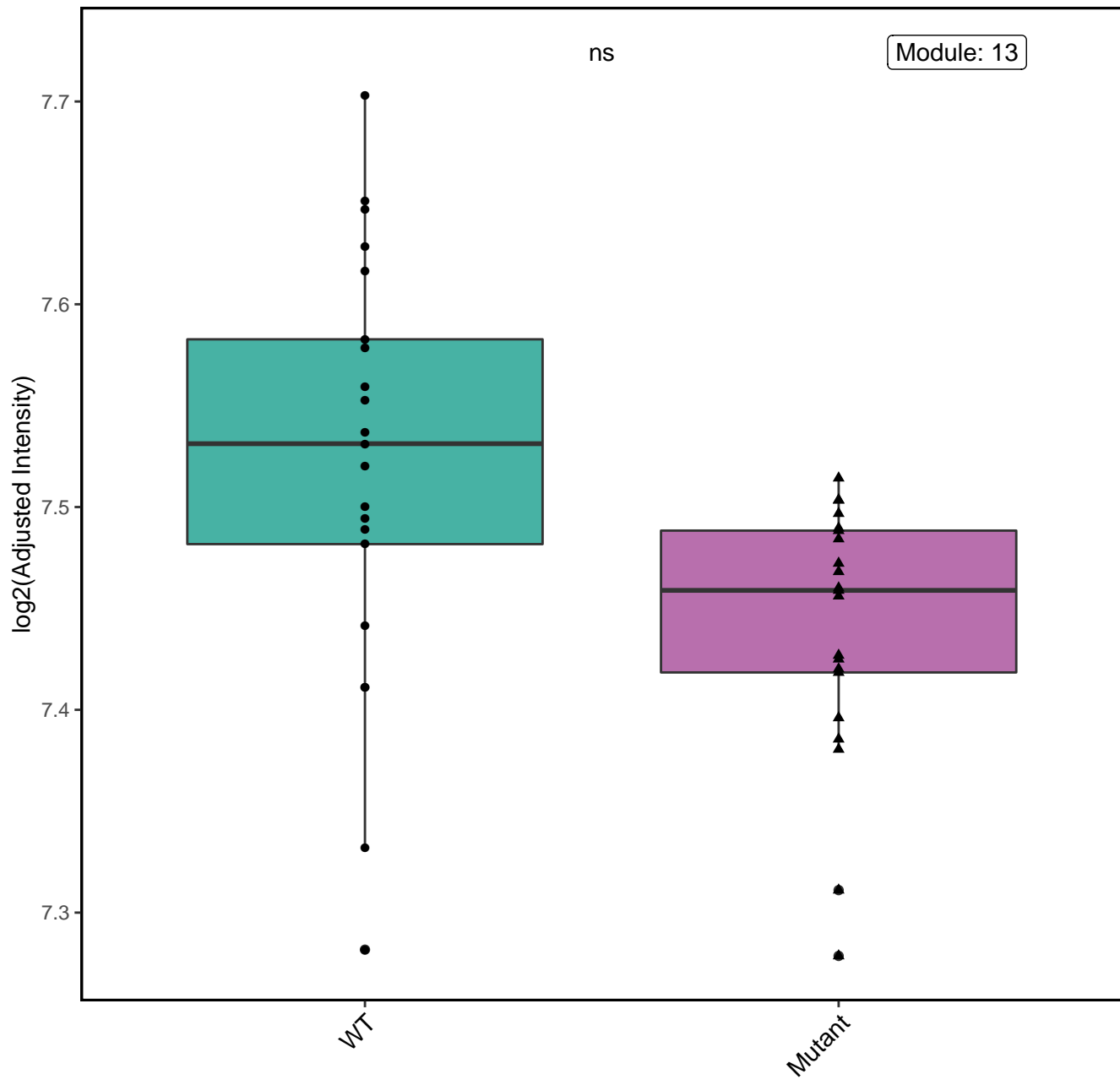


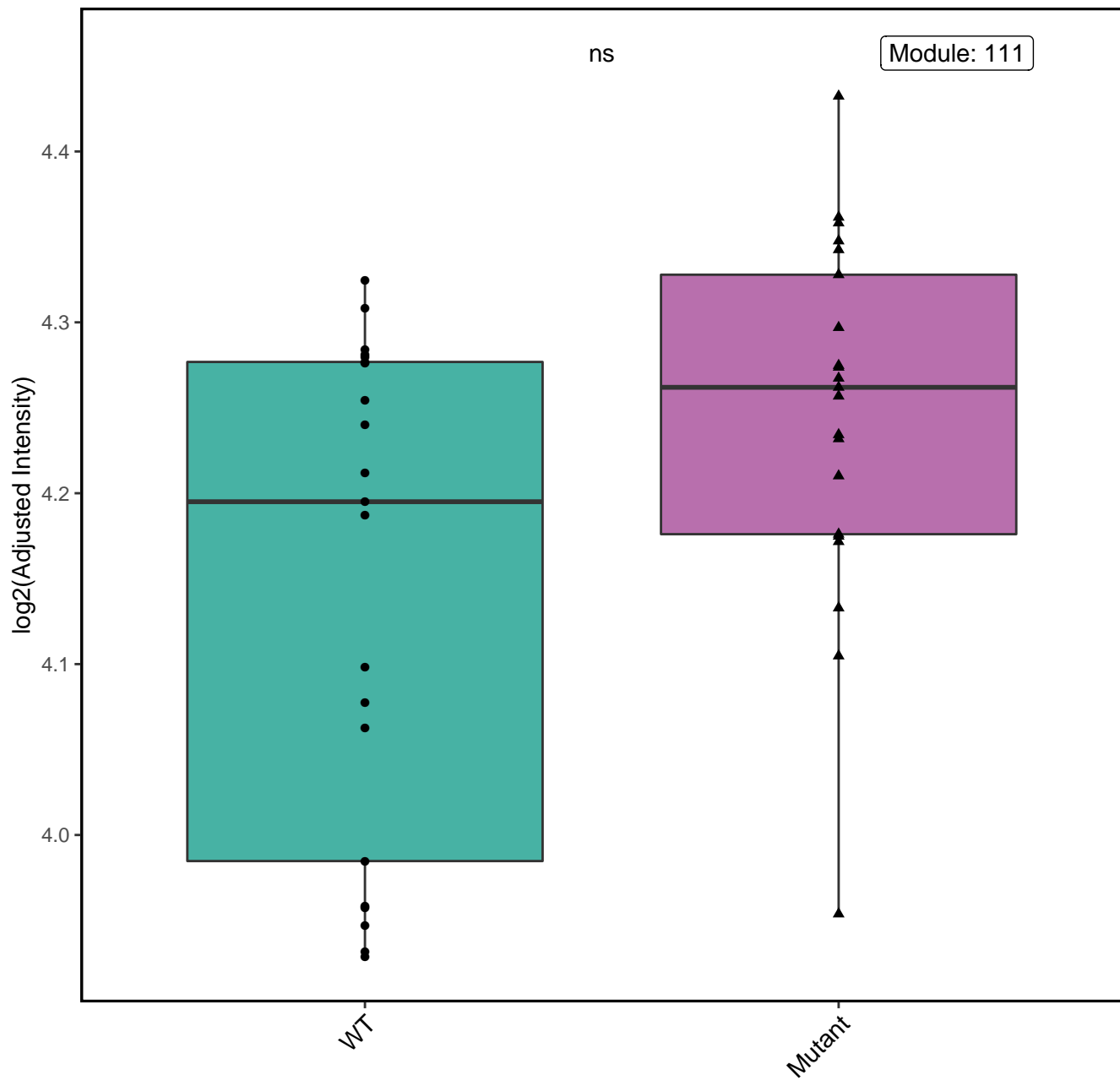


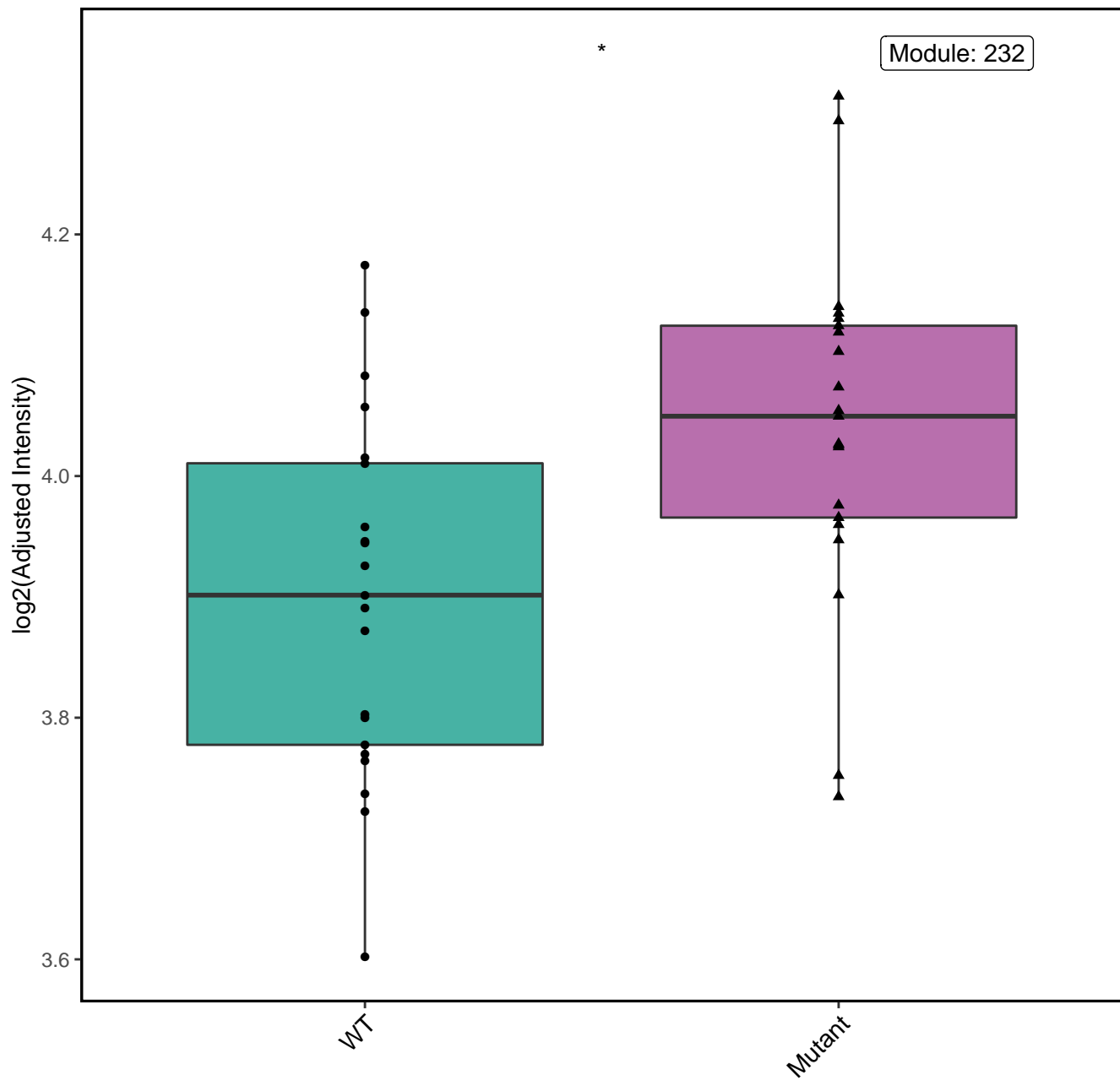


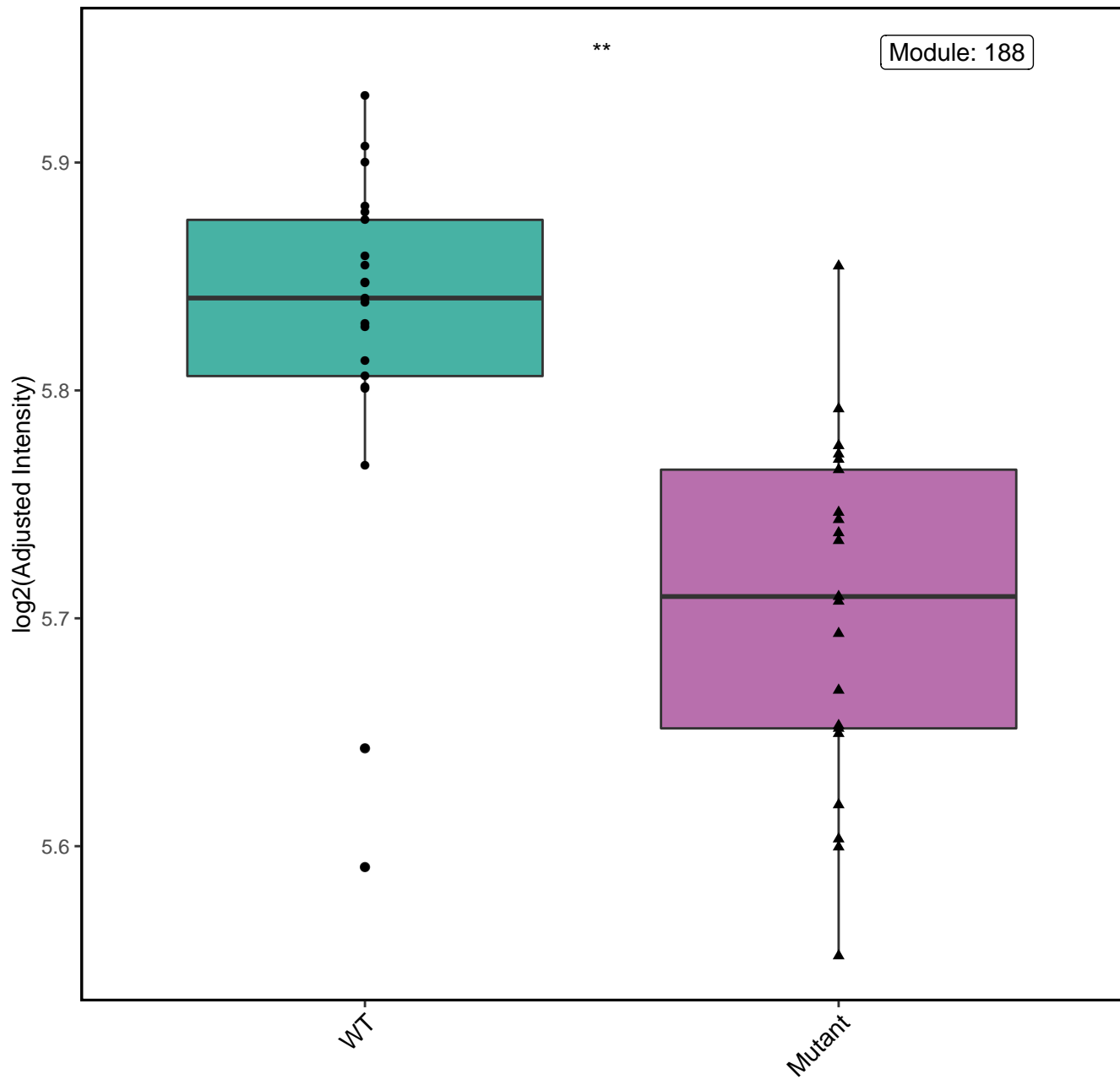










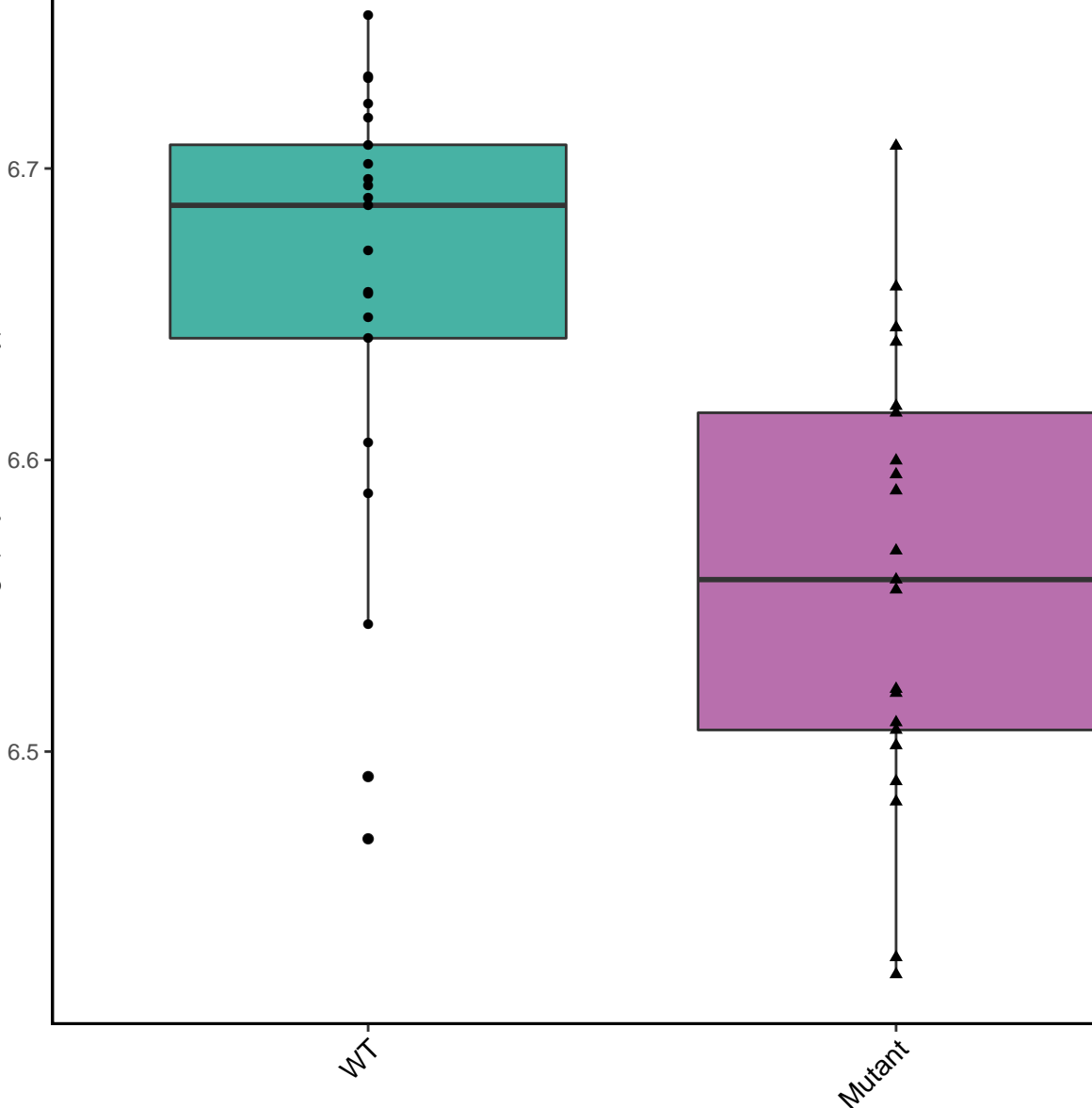


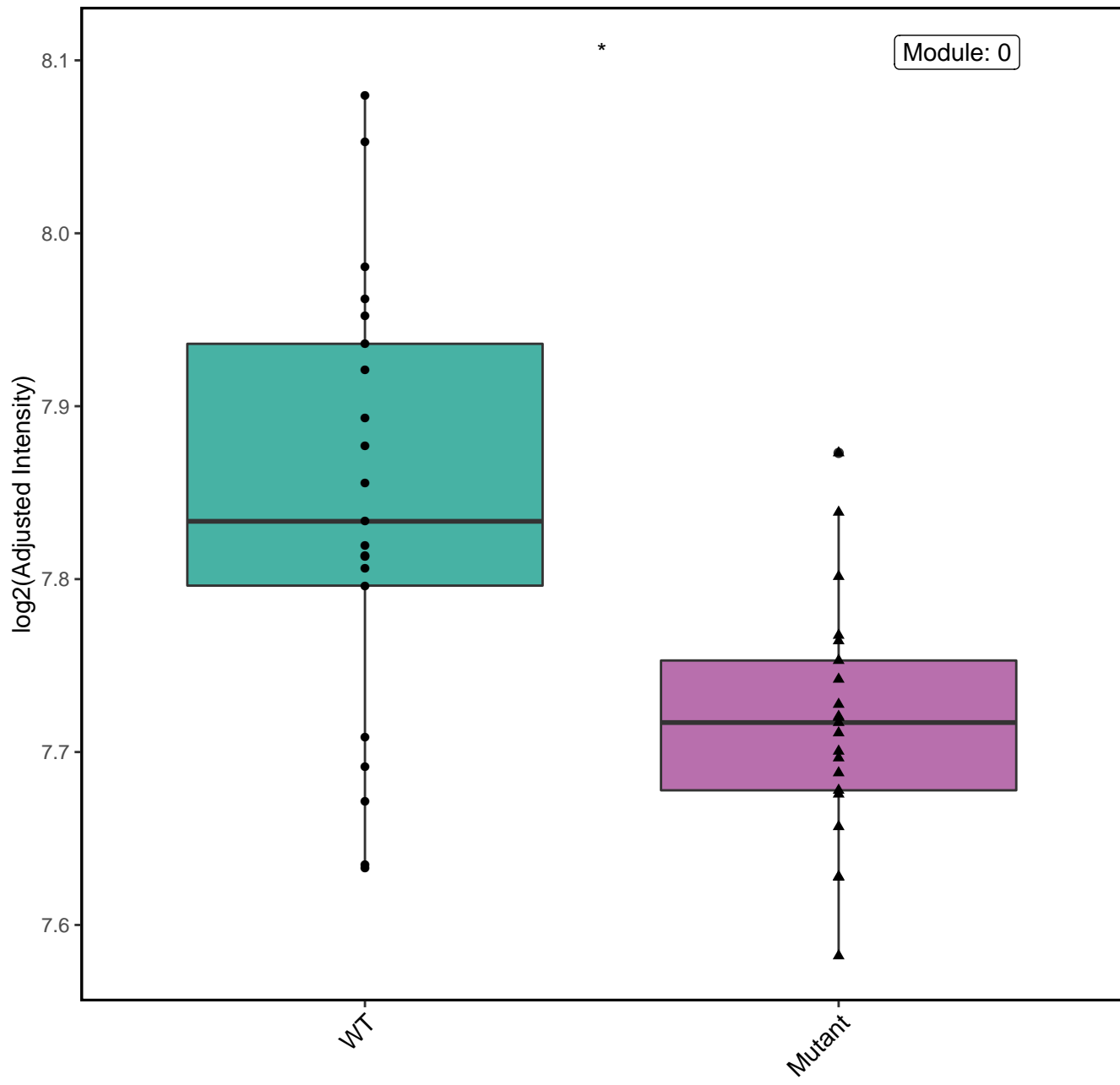
$\log_2(\text{Adjusted Intensity})$ 

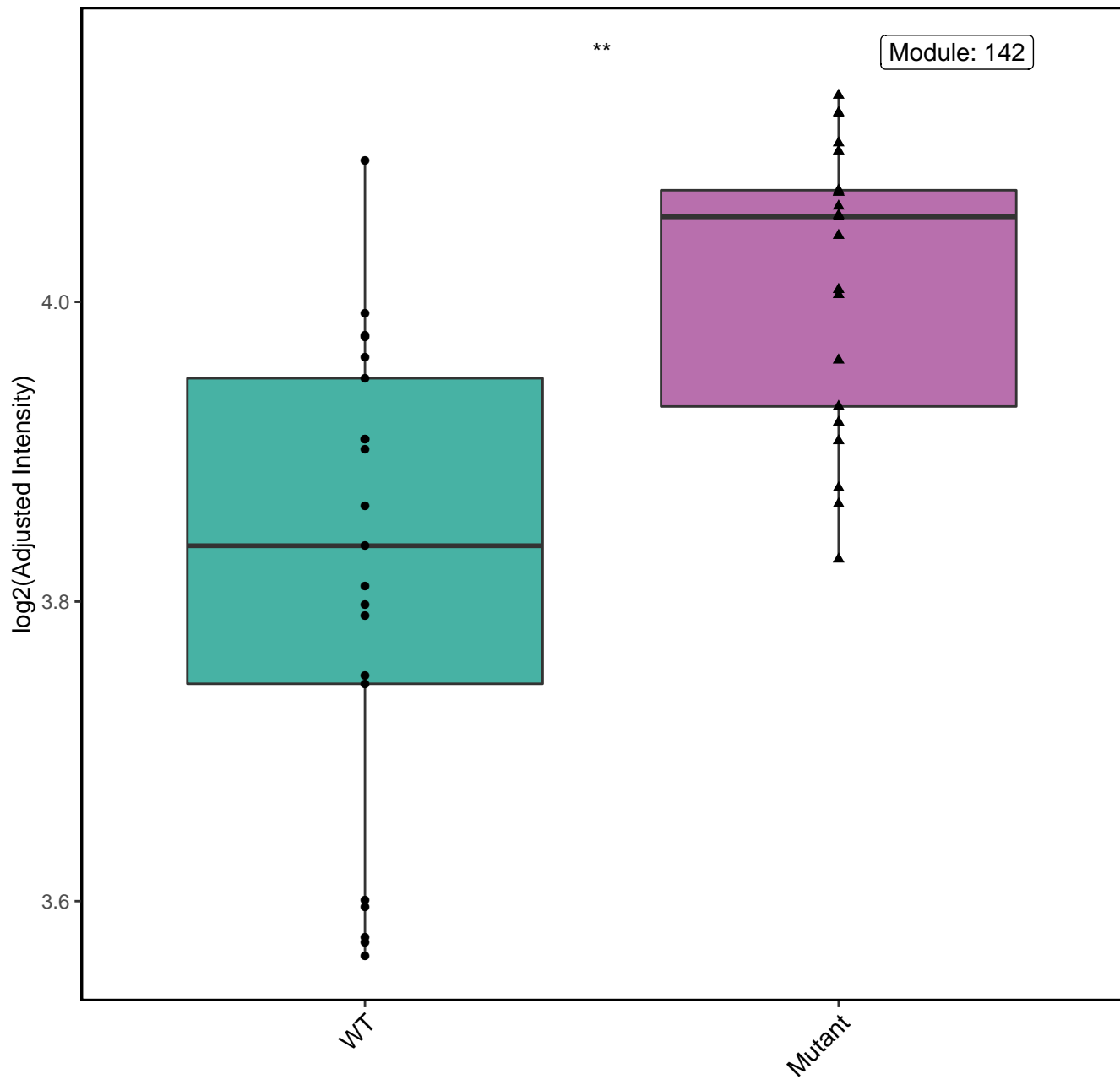
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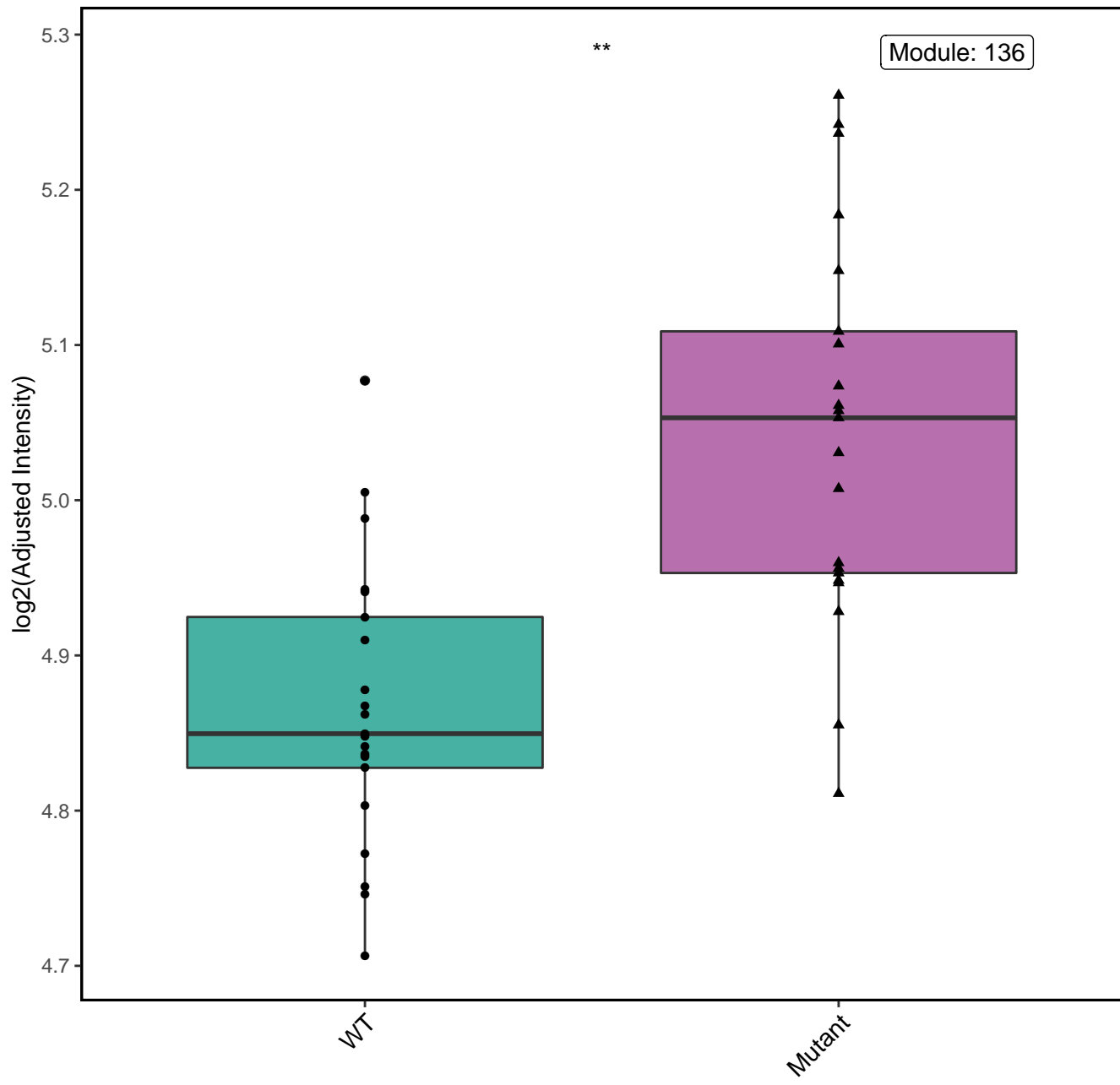
WT

Mutant

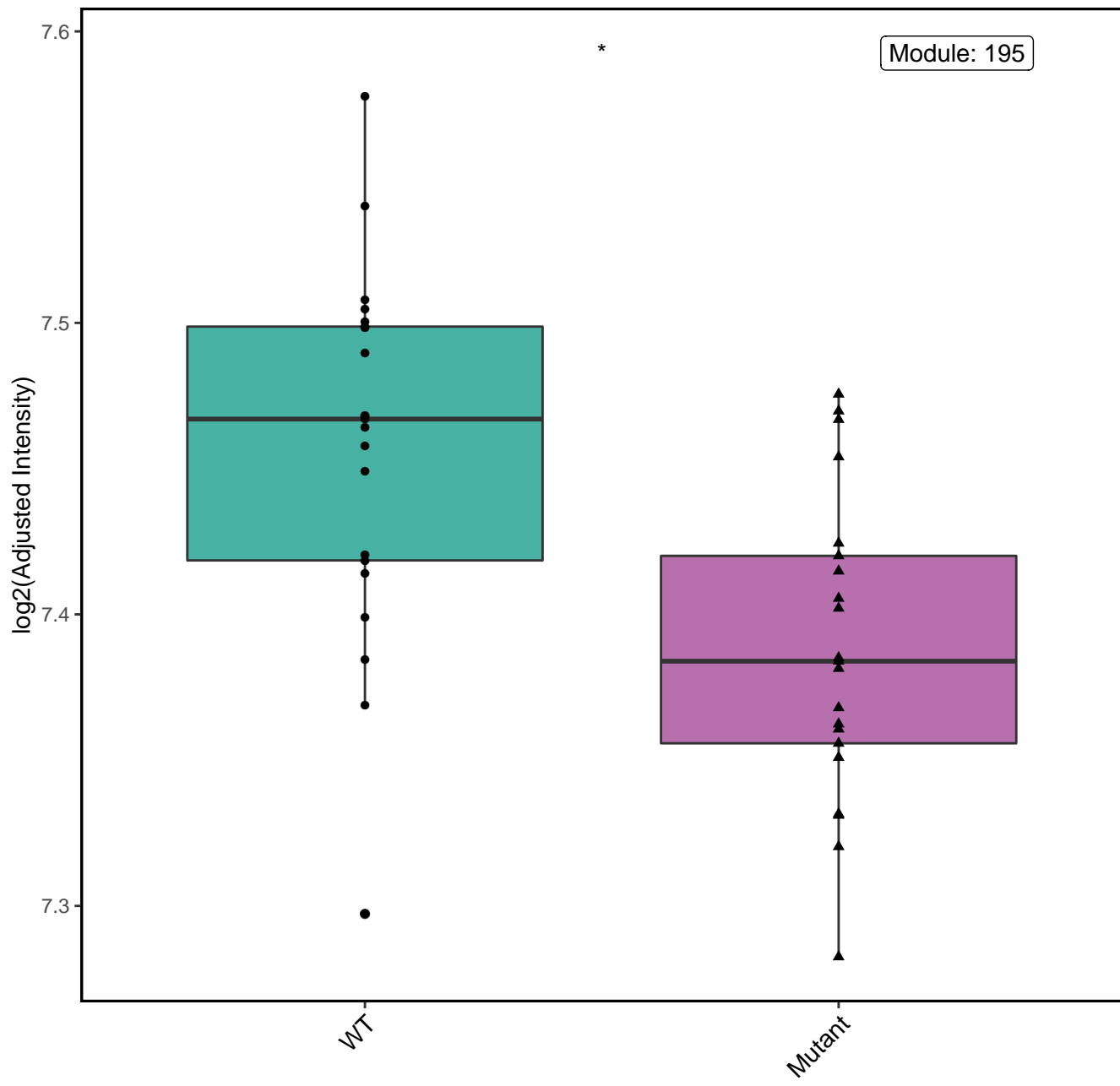


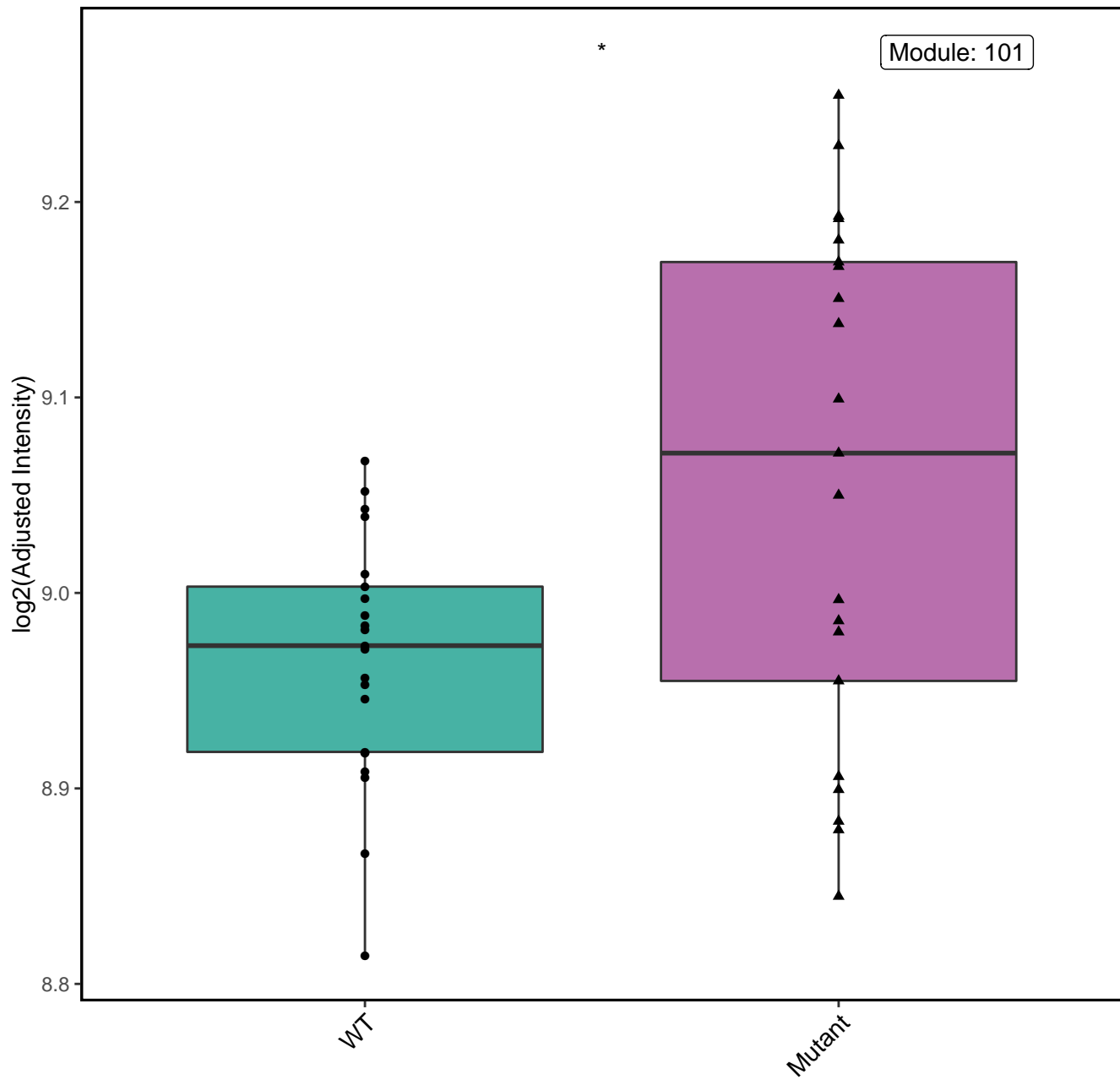


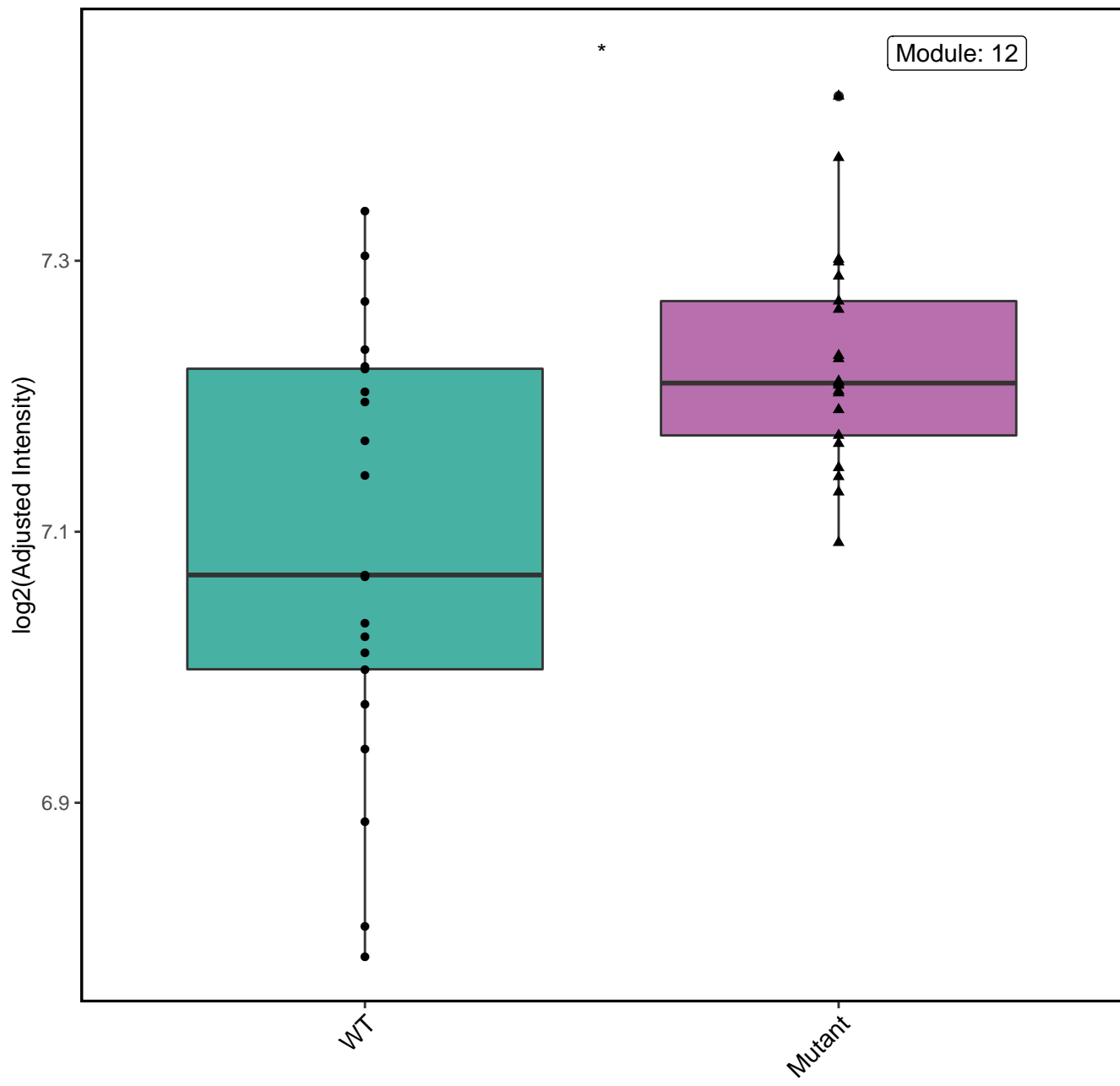


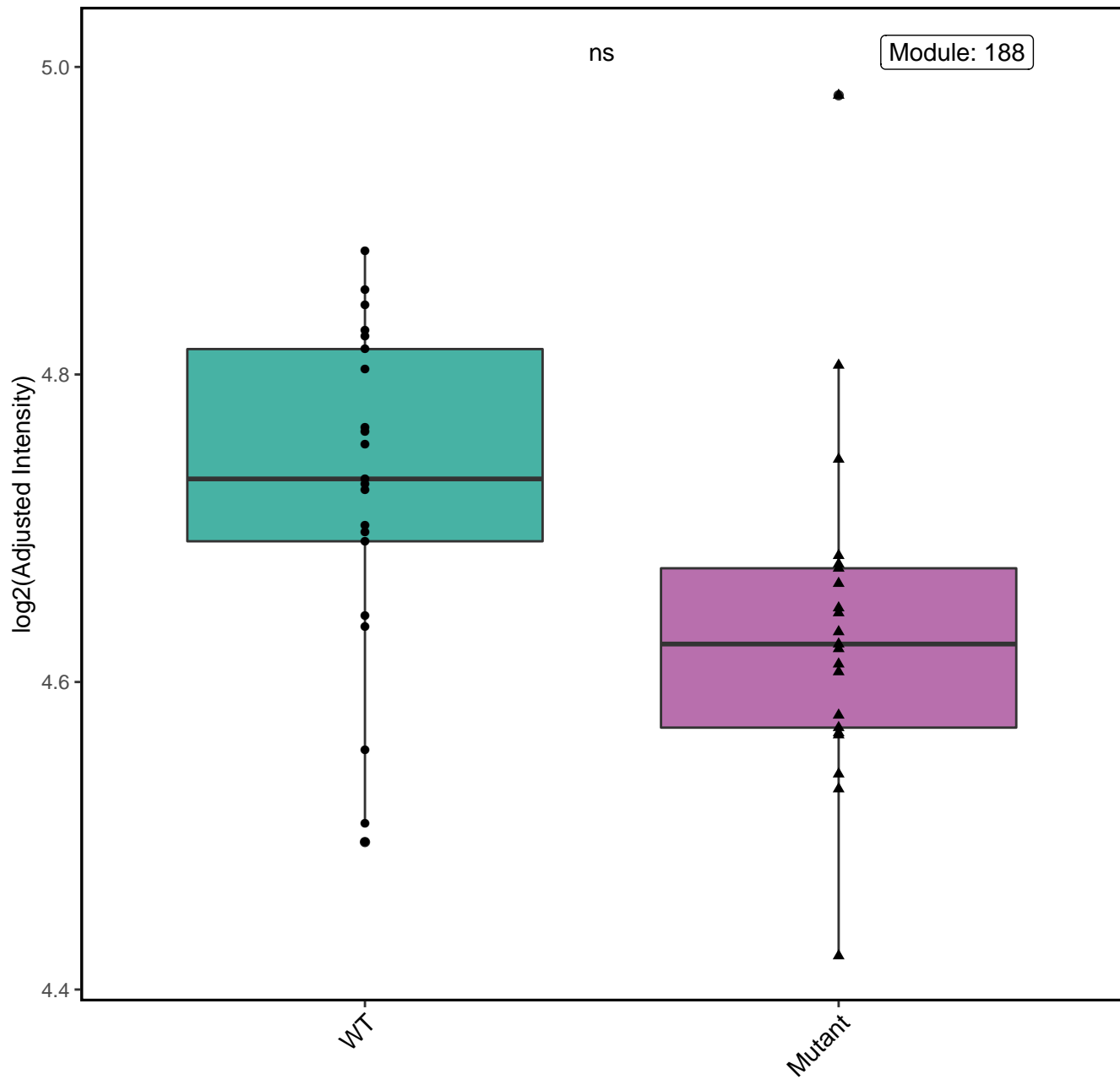


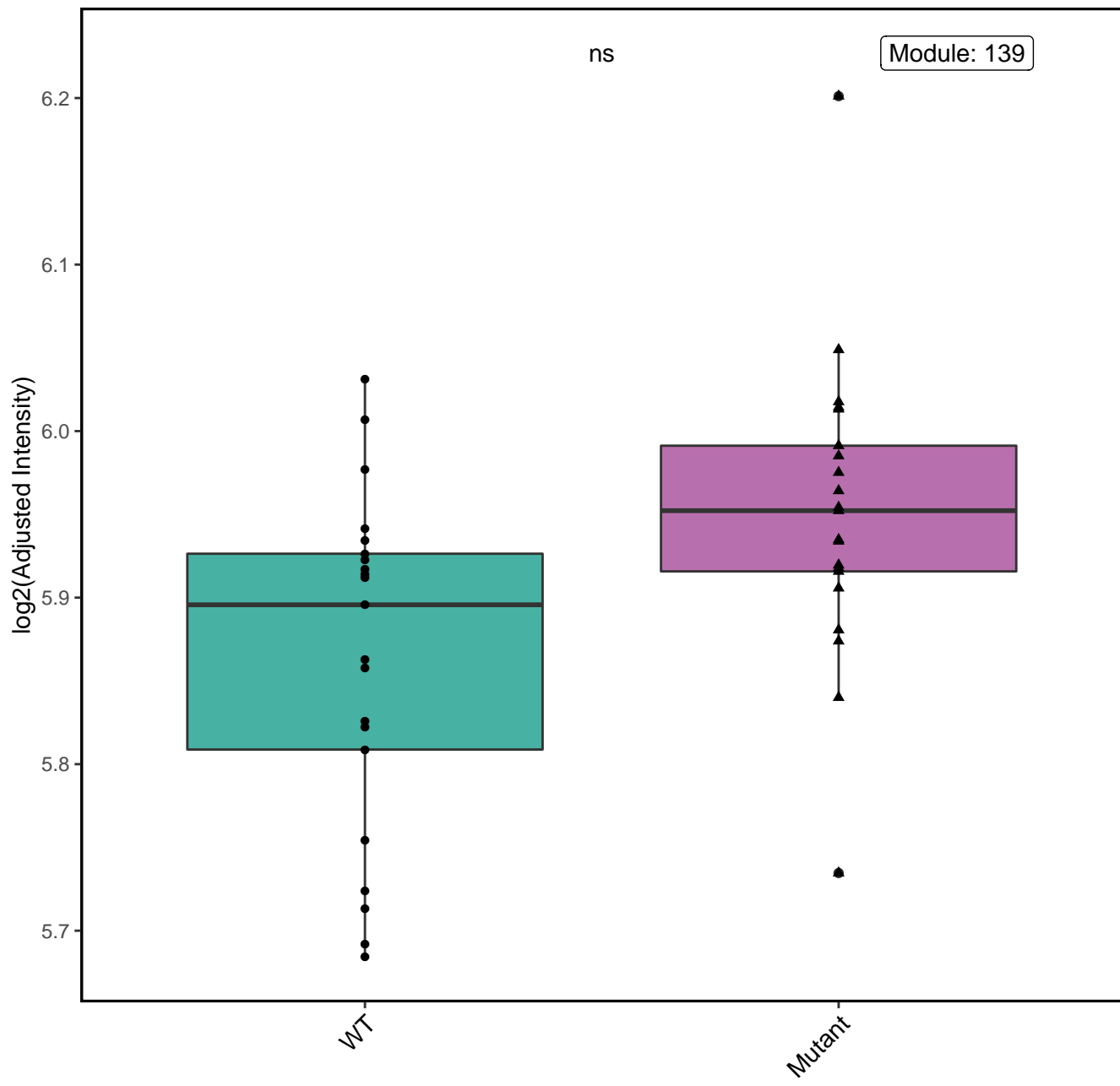


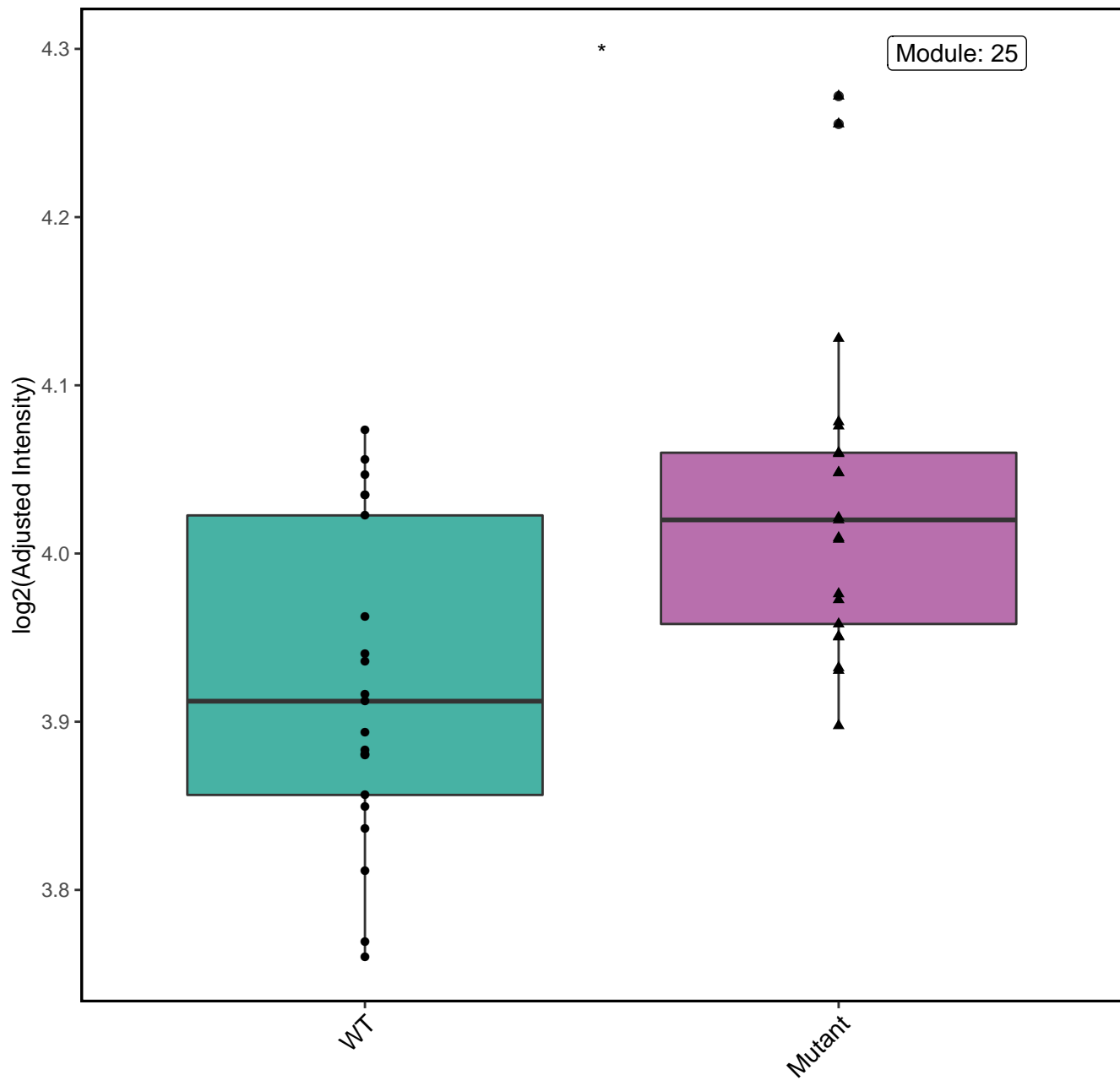


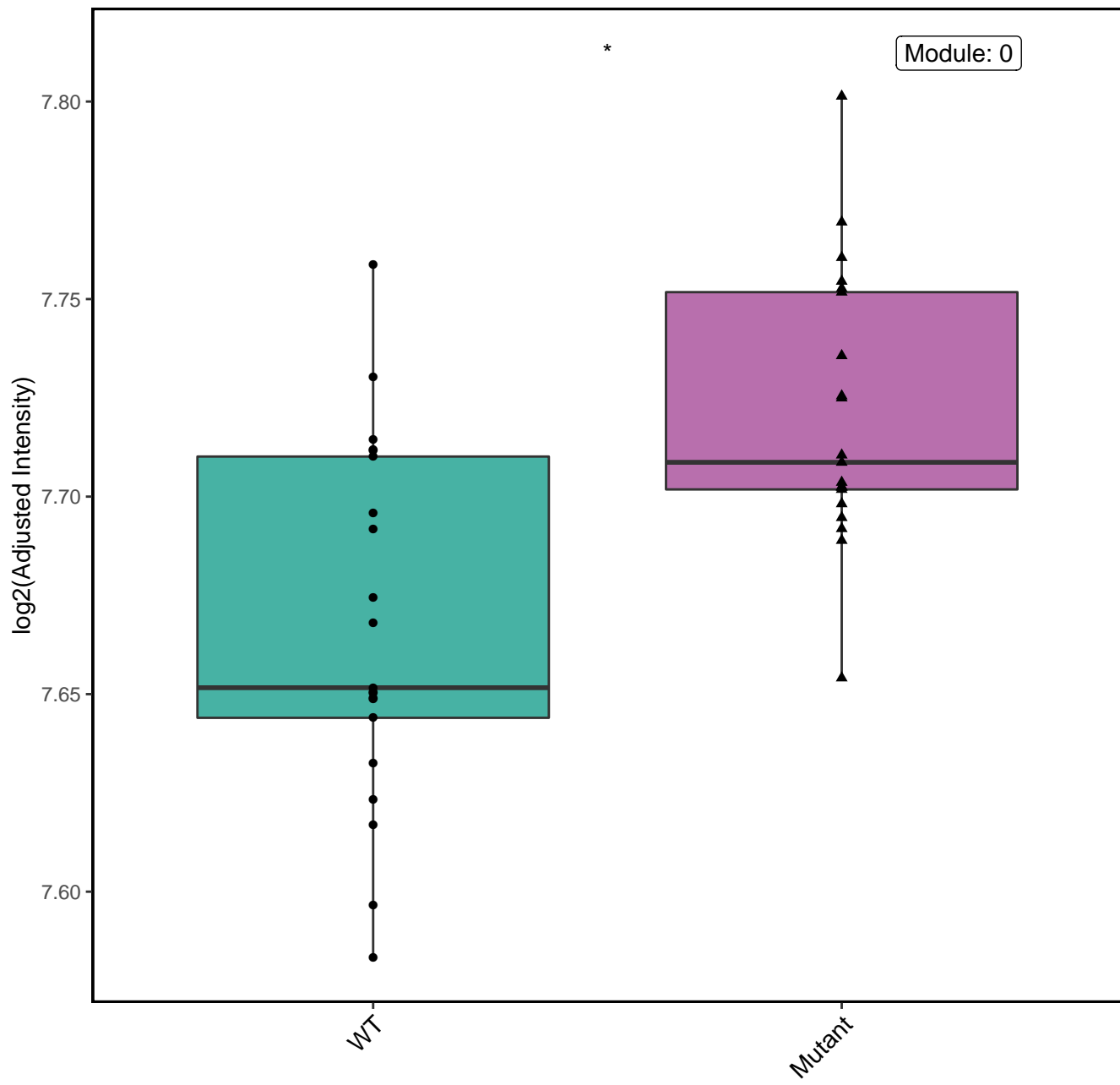


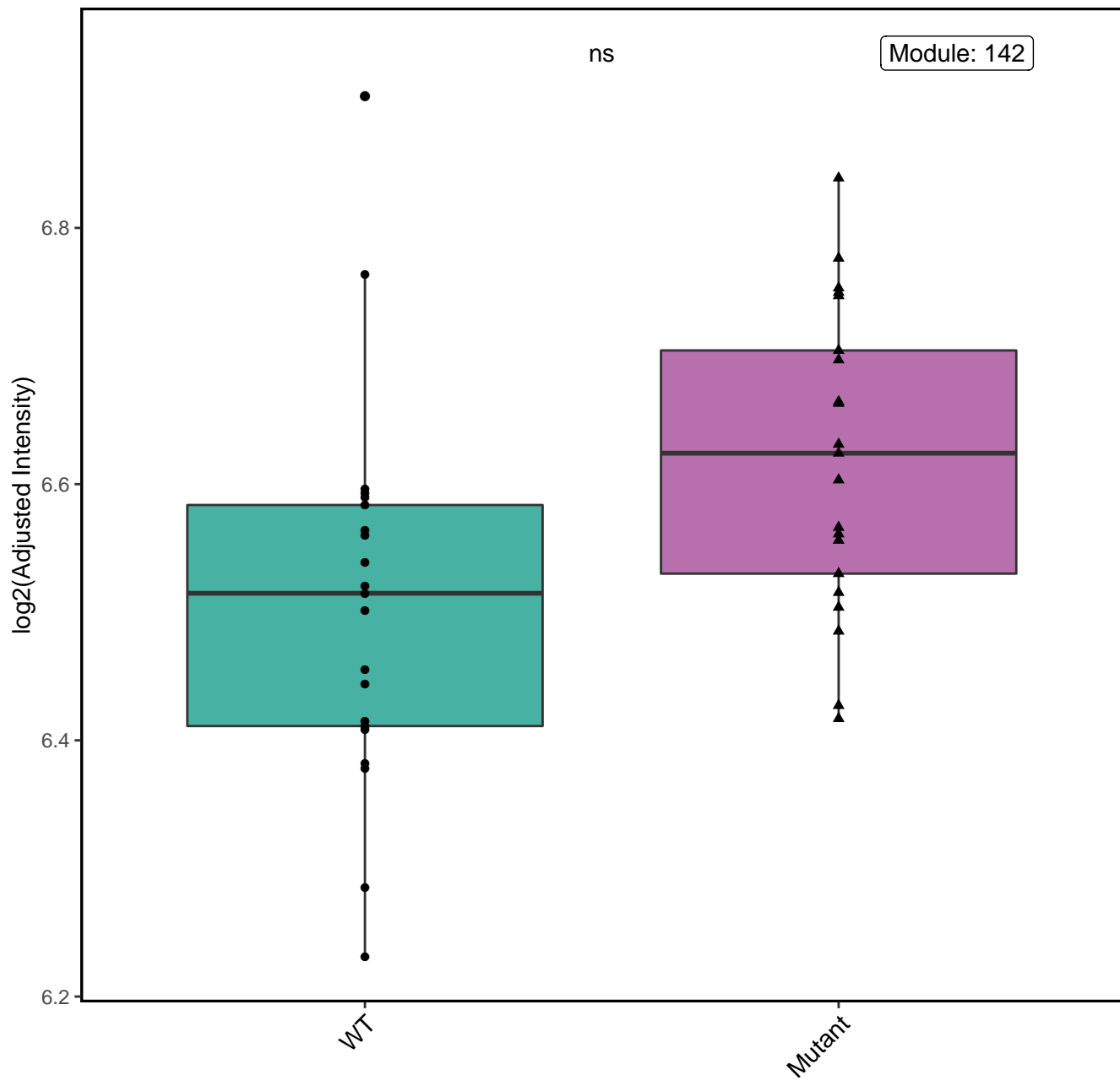




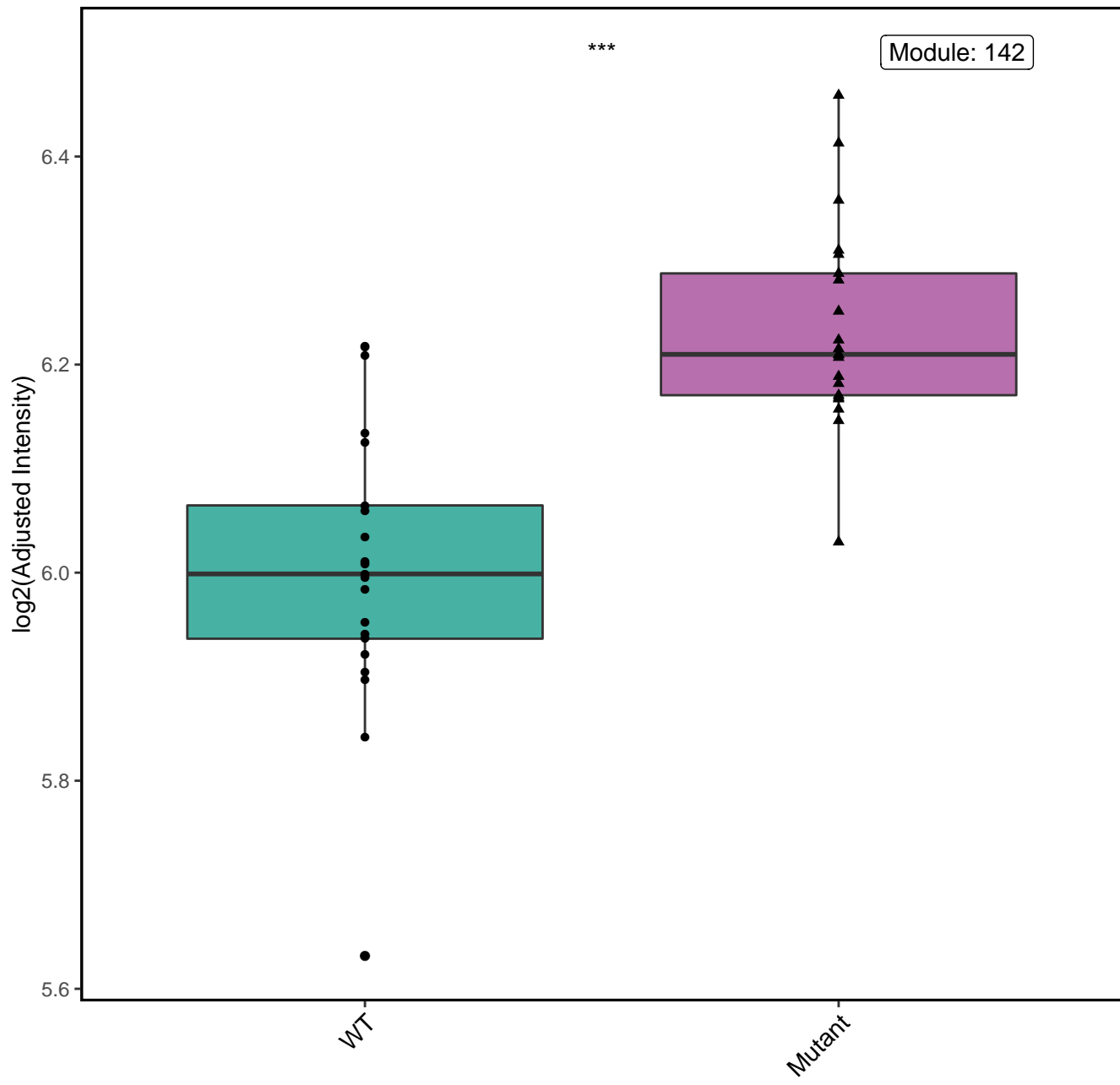


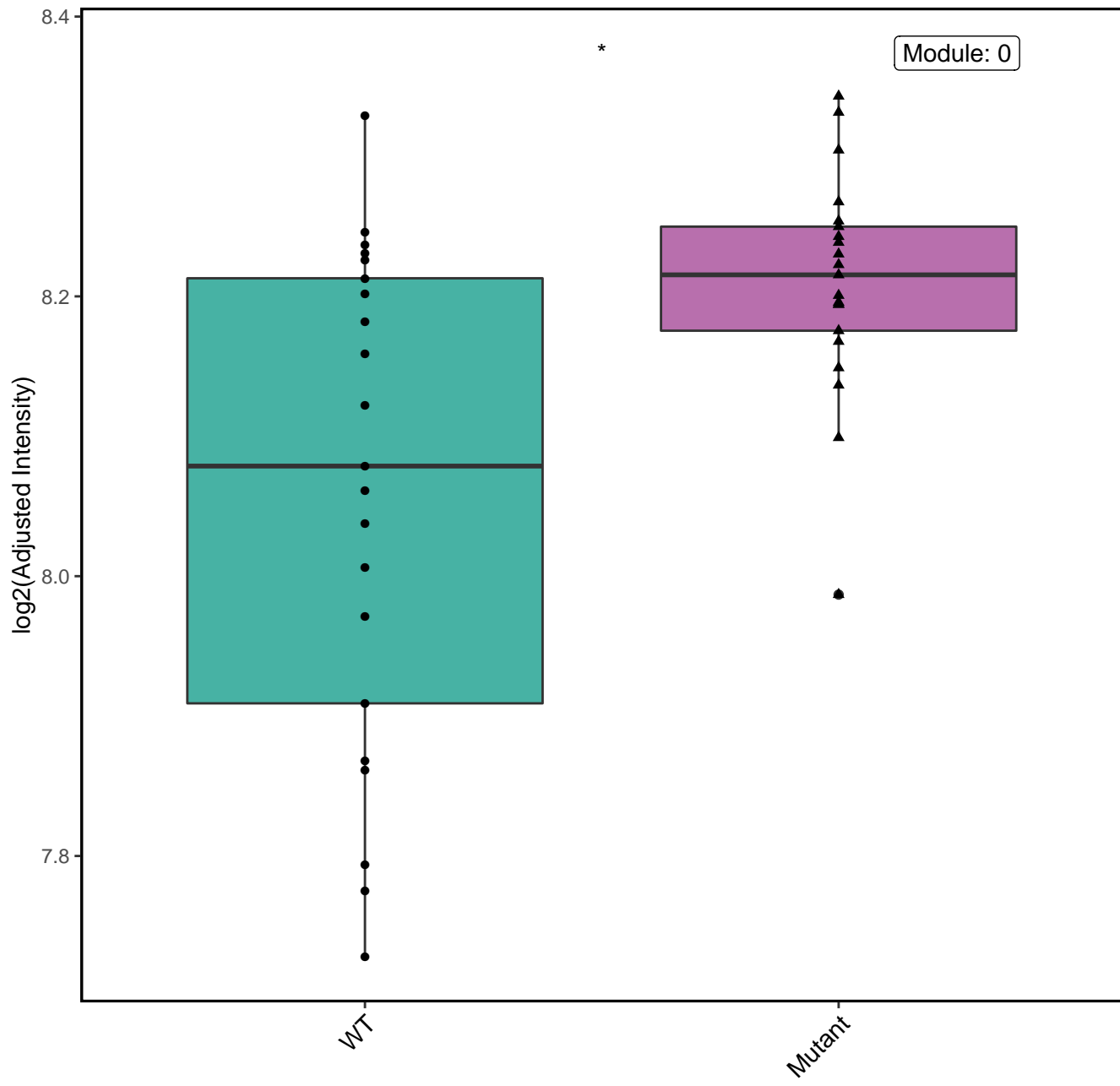












log2(Adjusted Intensity)

Module: 175

WT

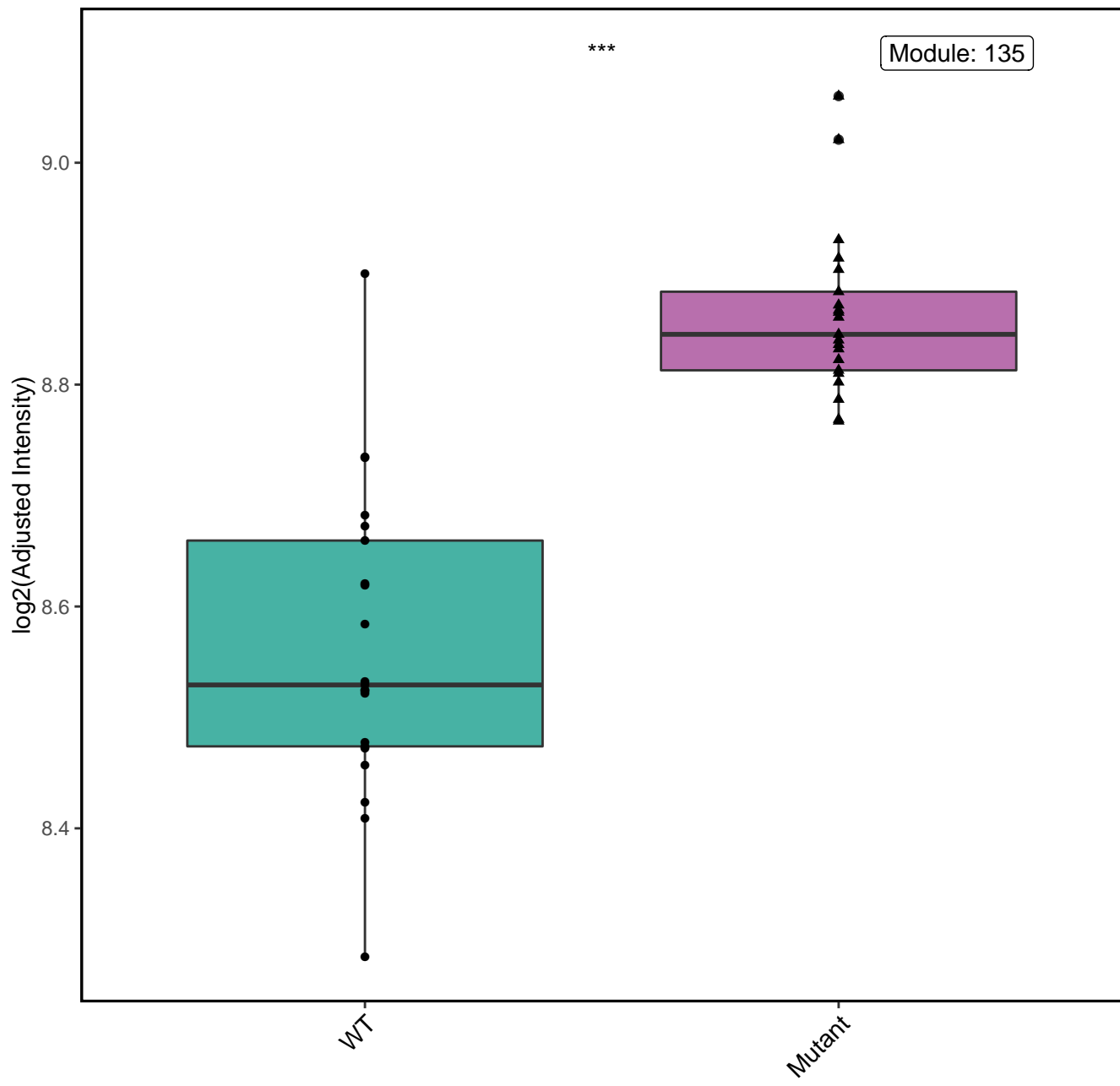
Mutant

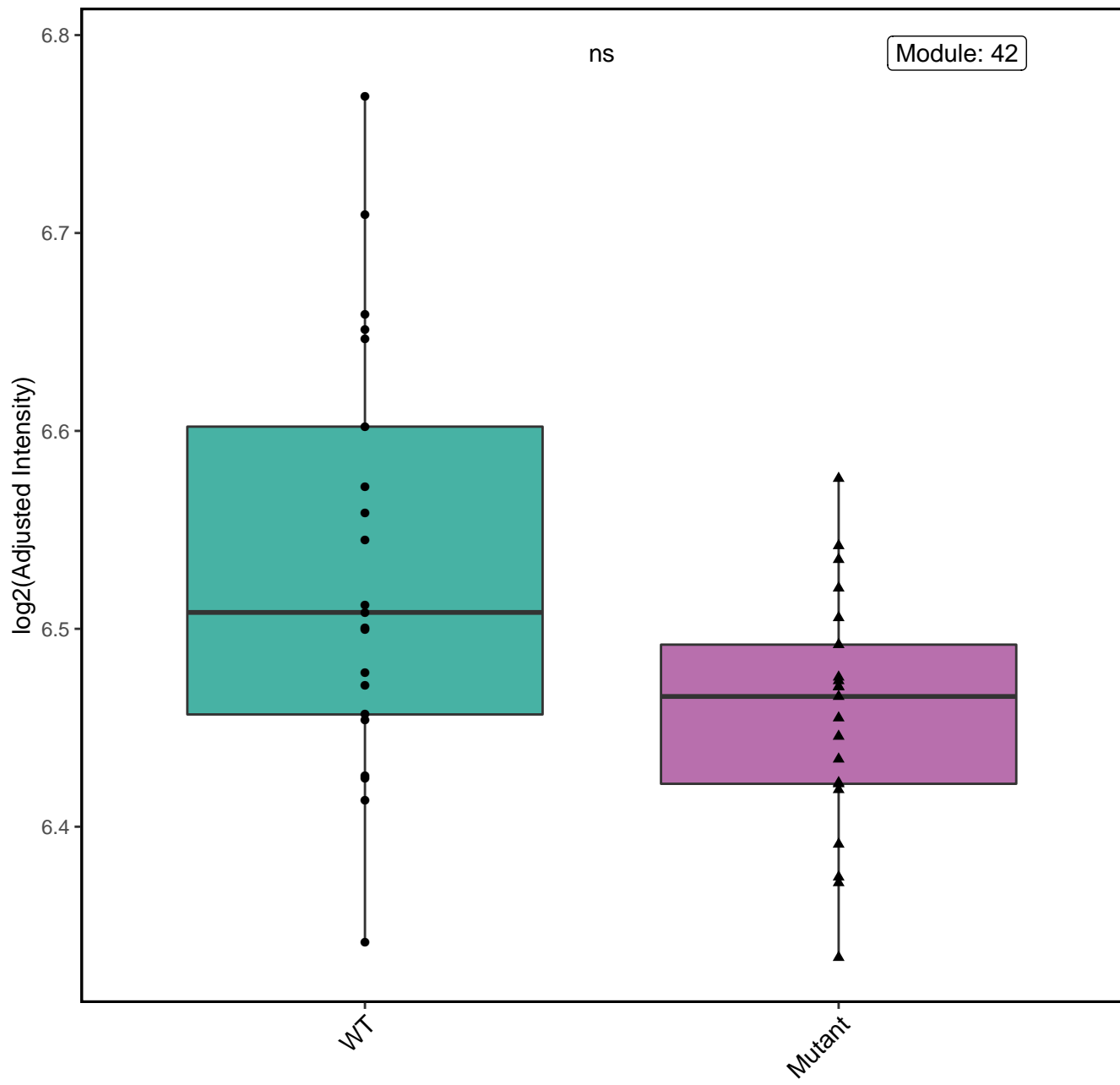
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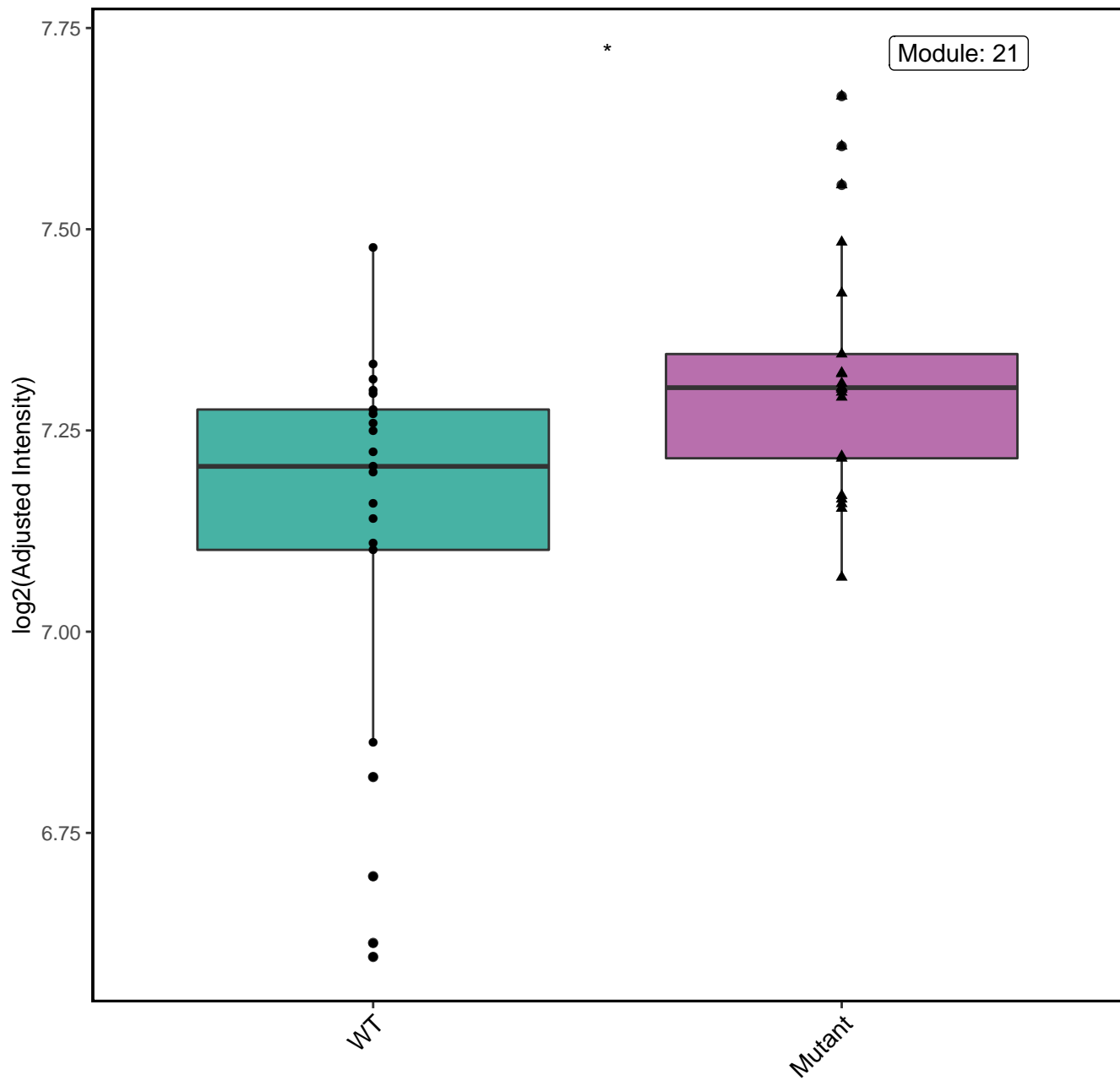
7.5

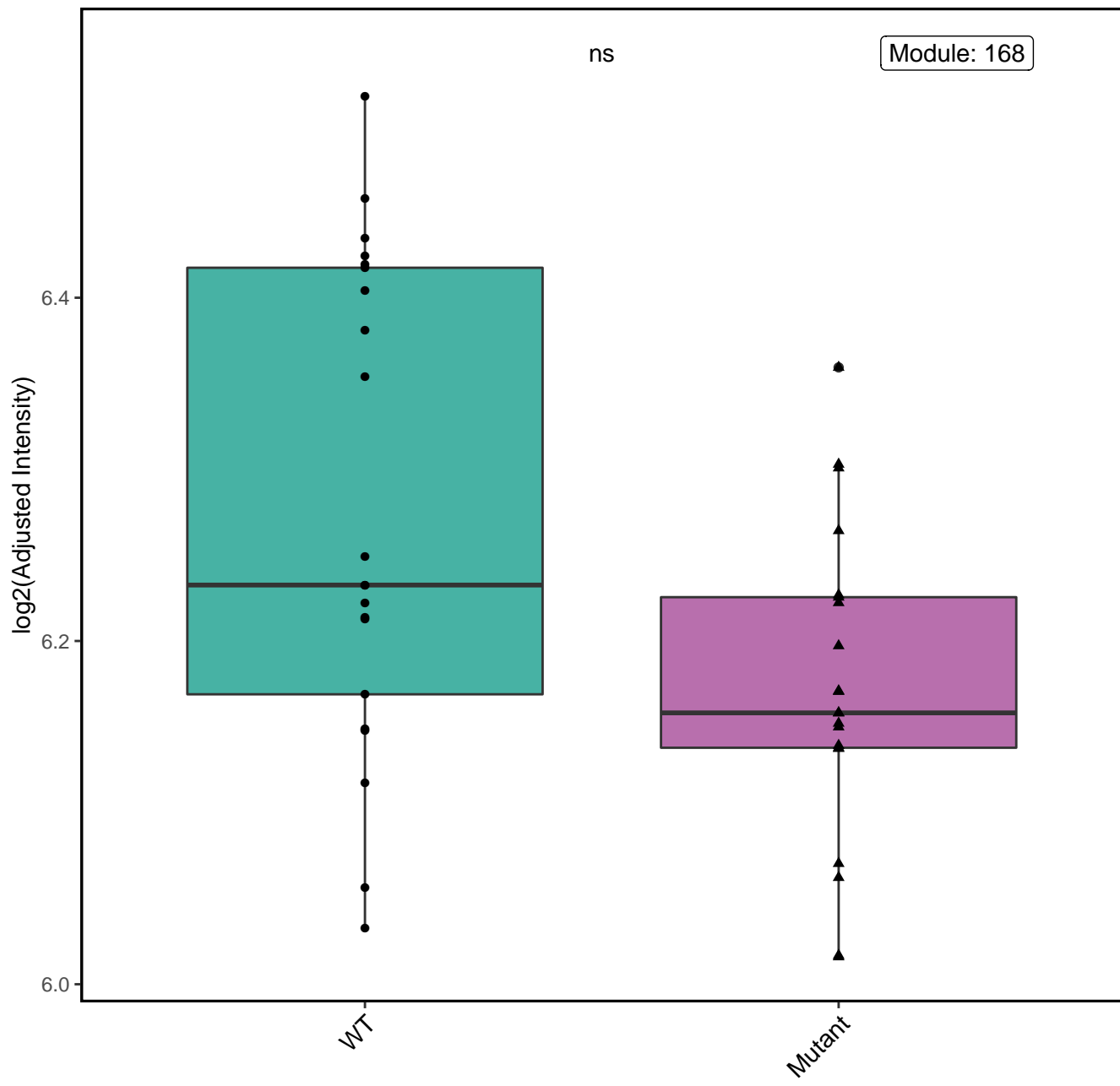
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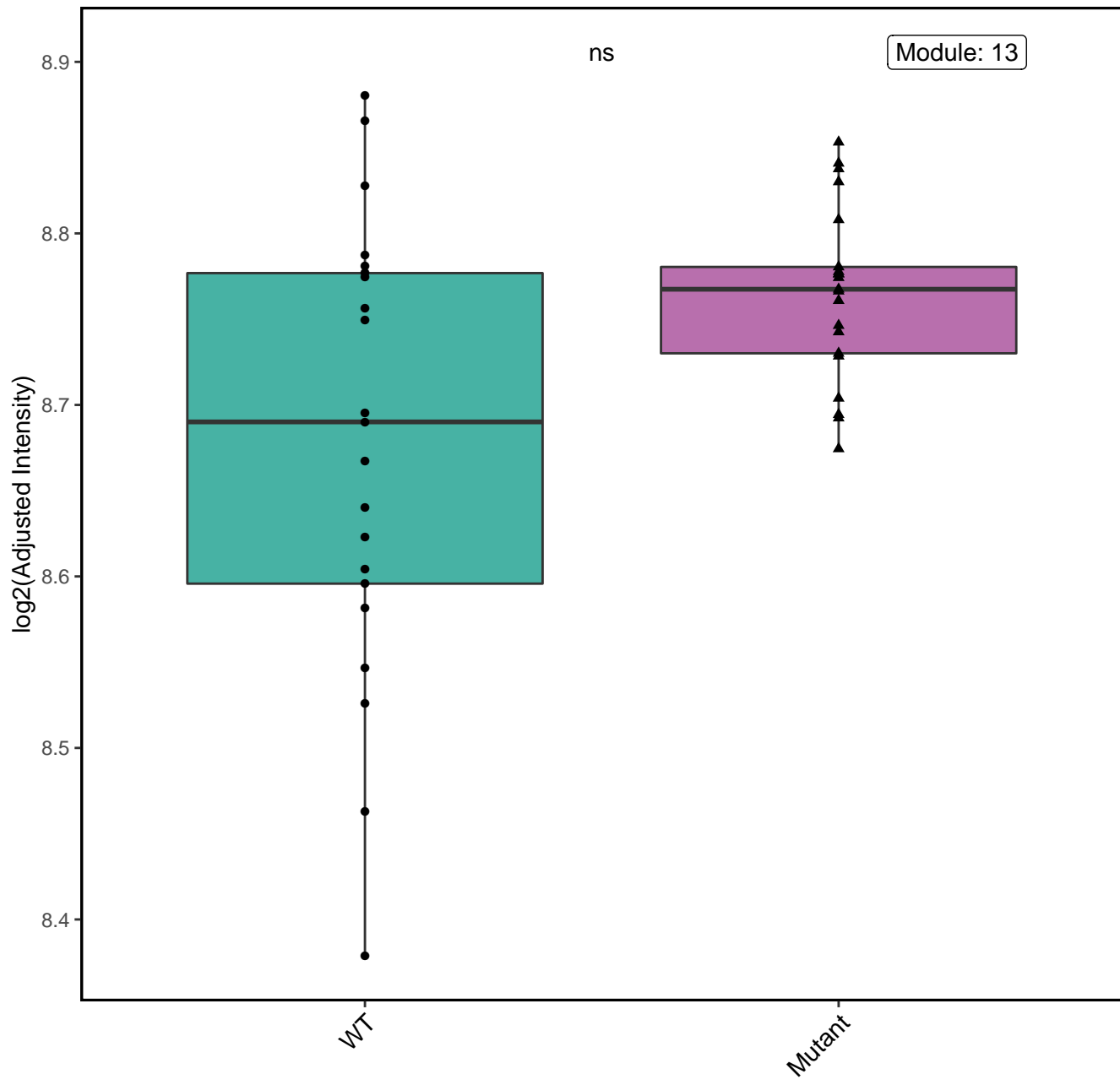
7.3



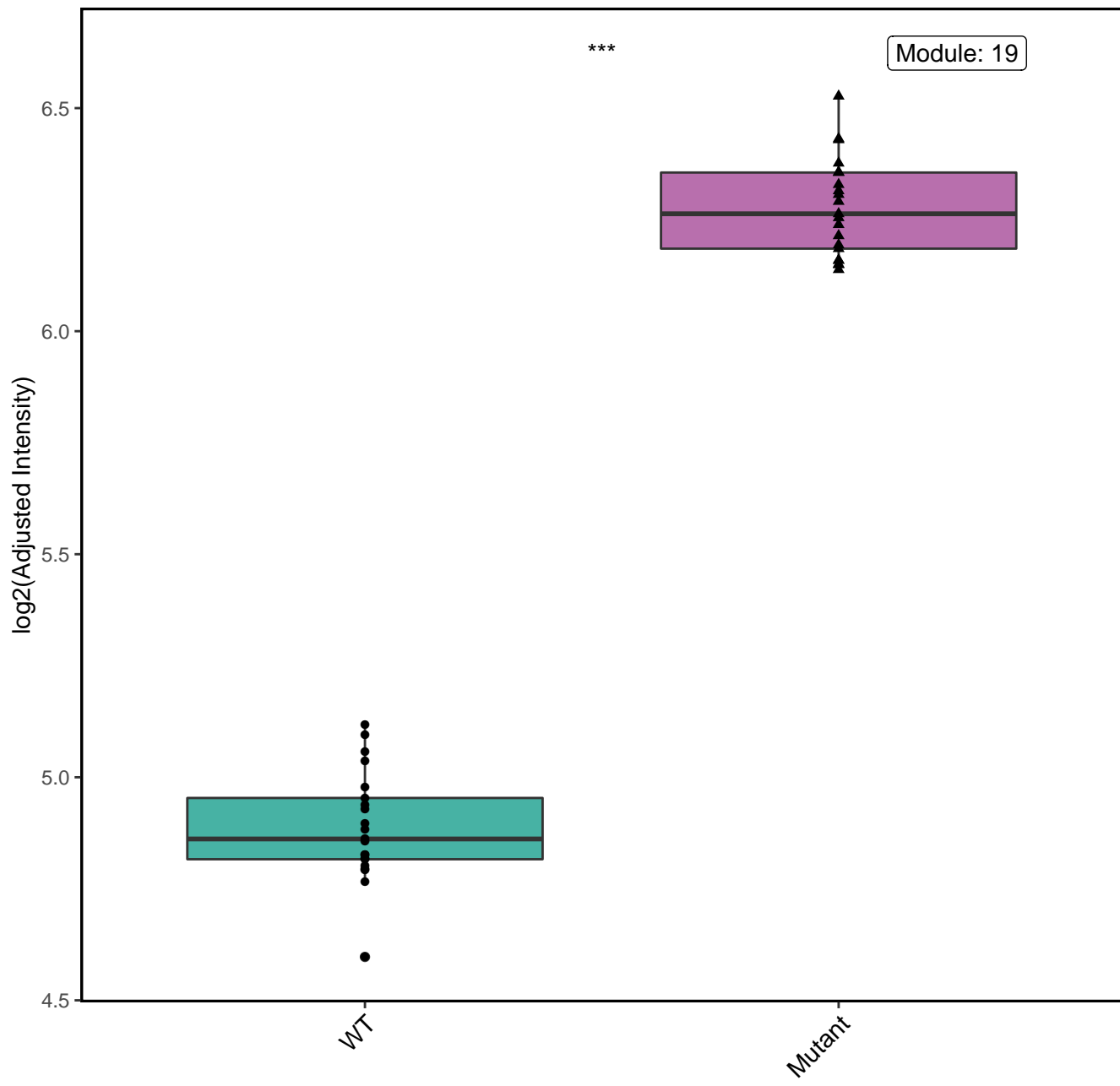


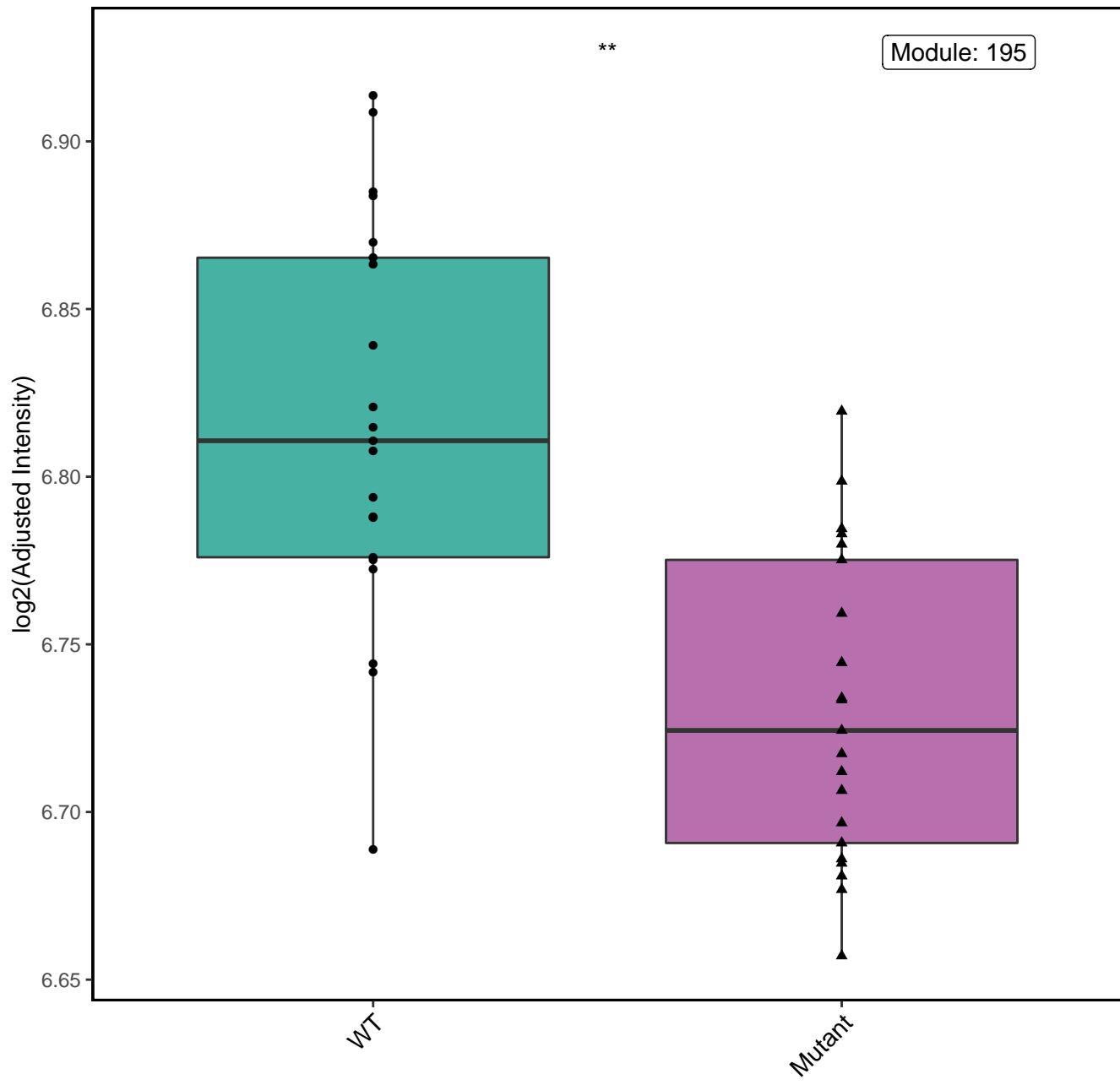


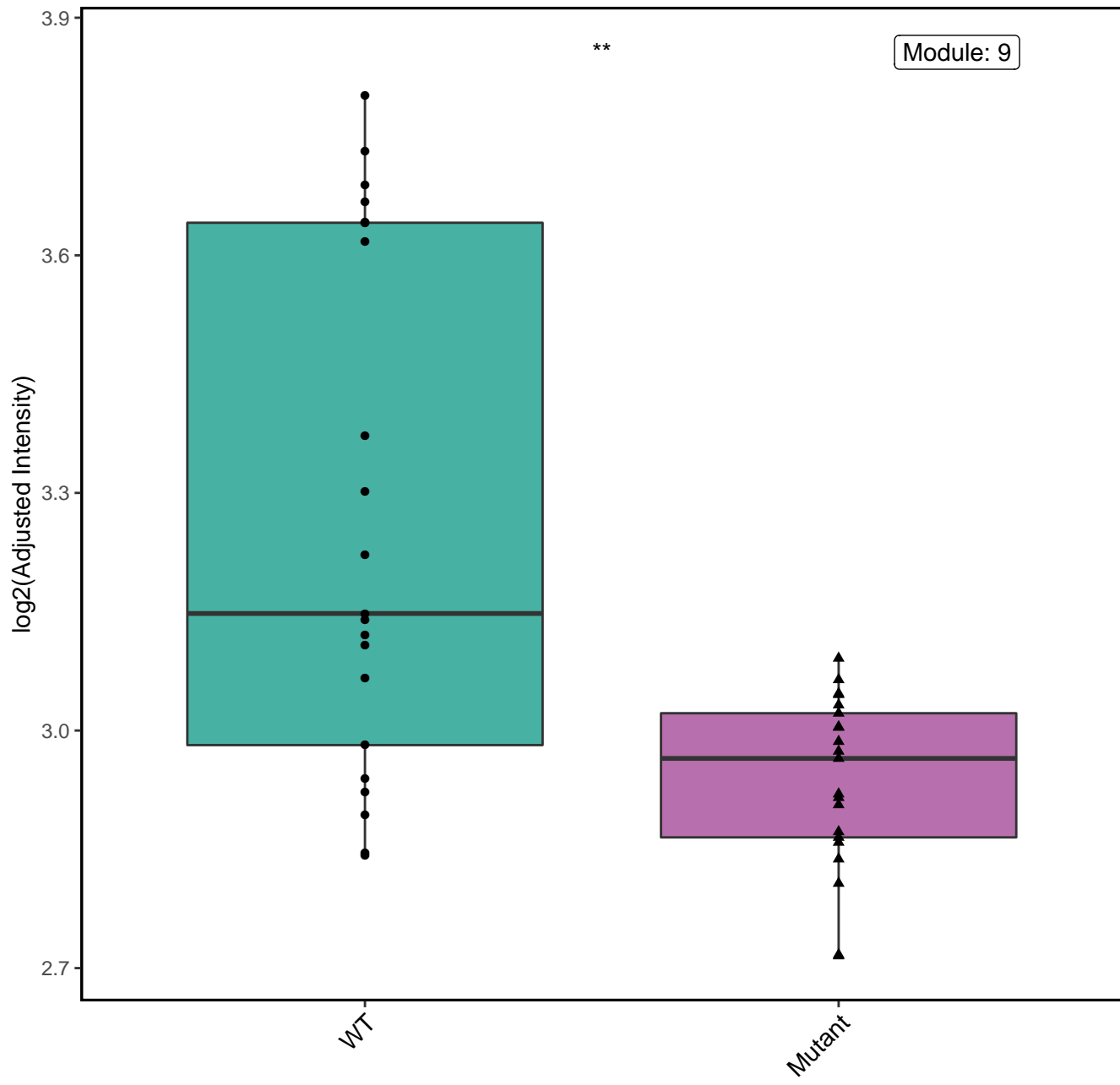


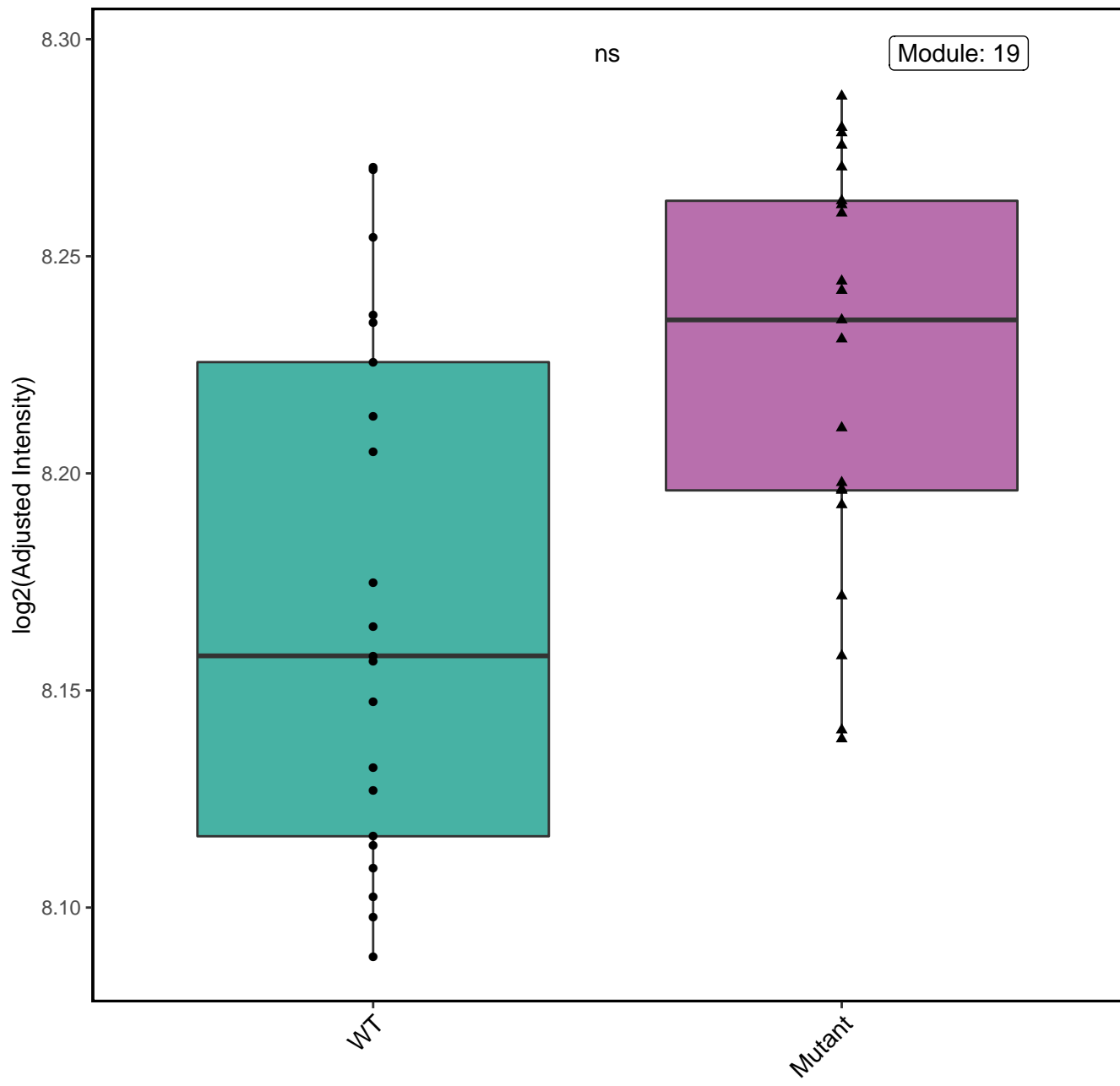


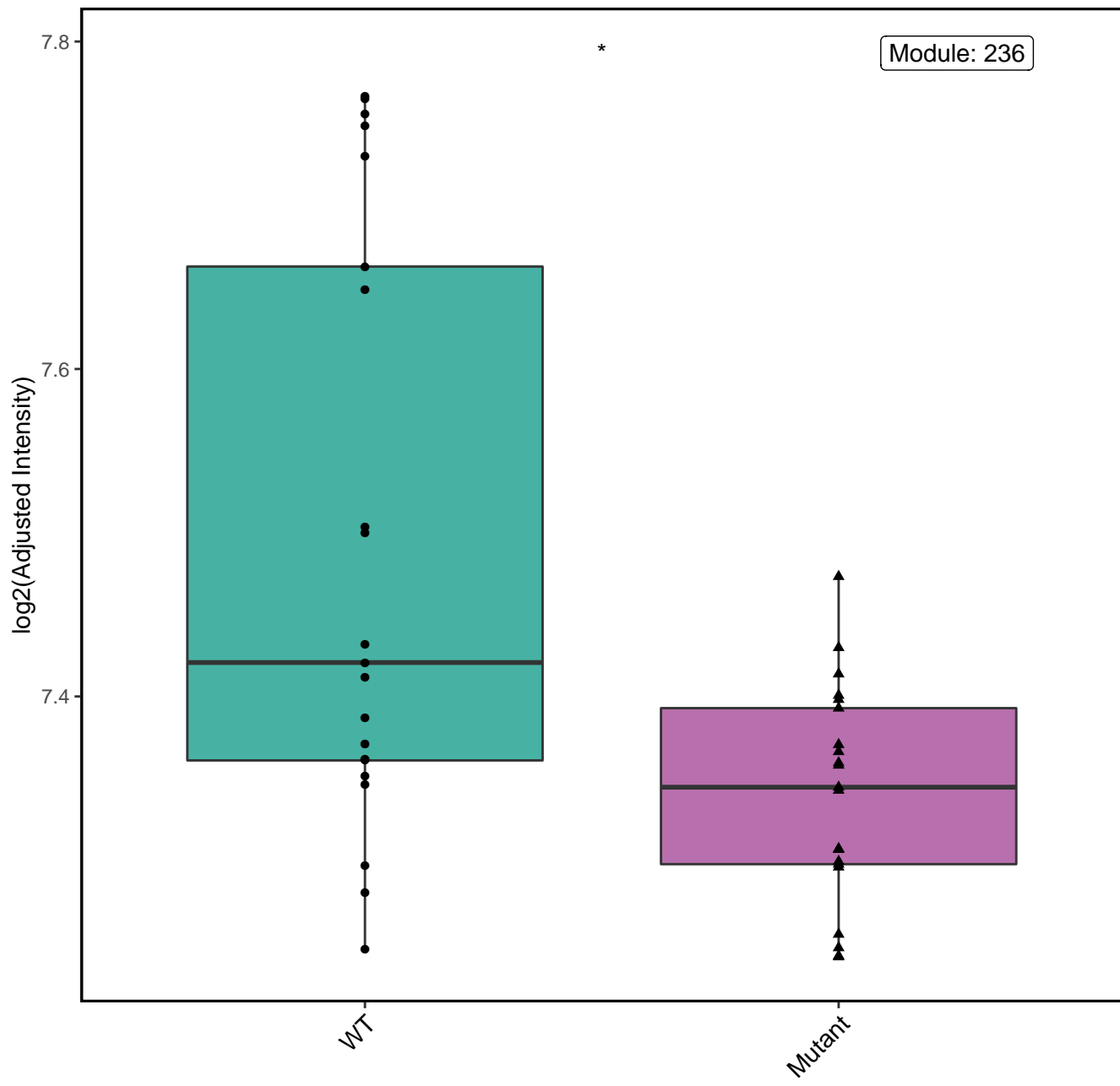


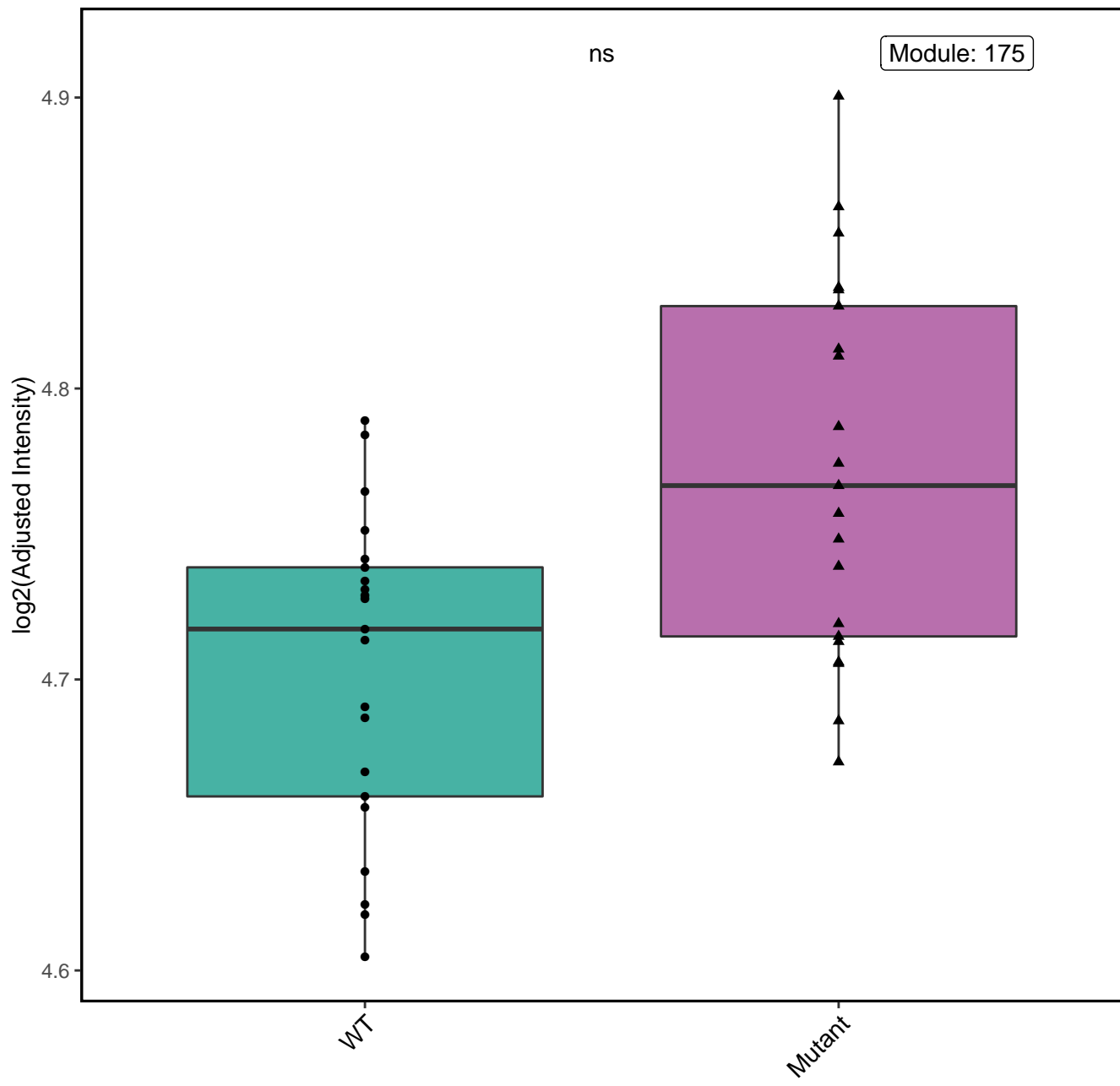


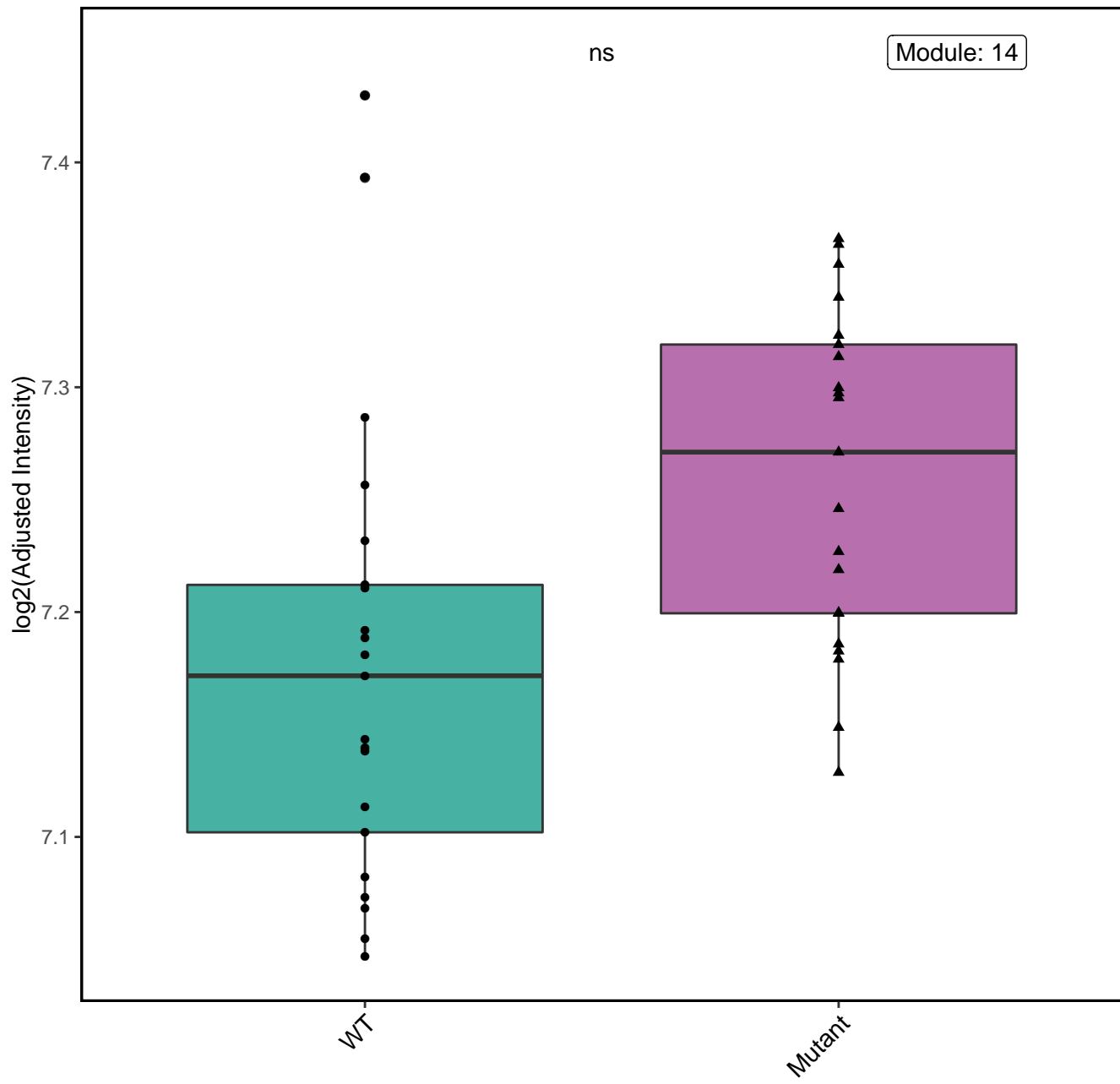


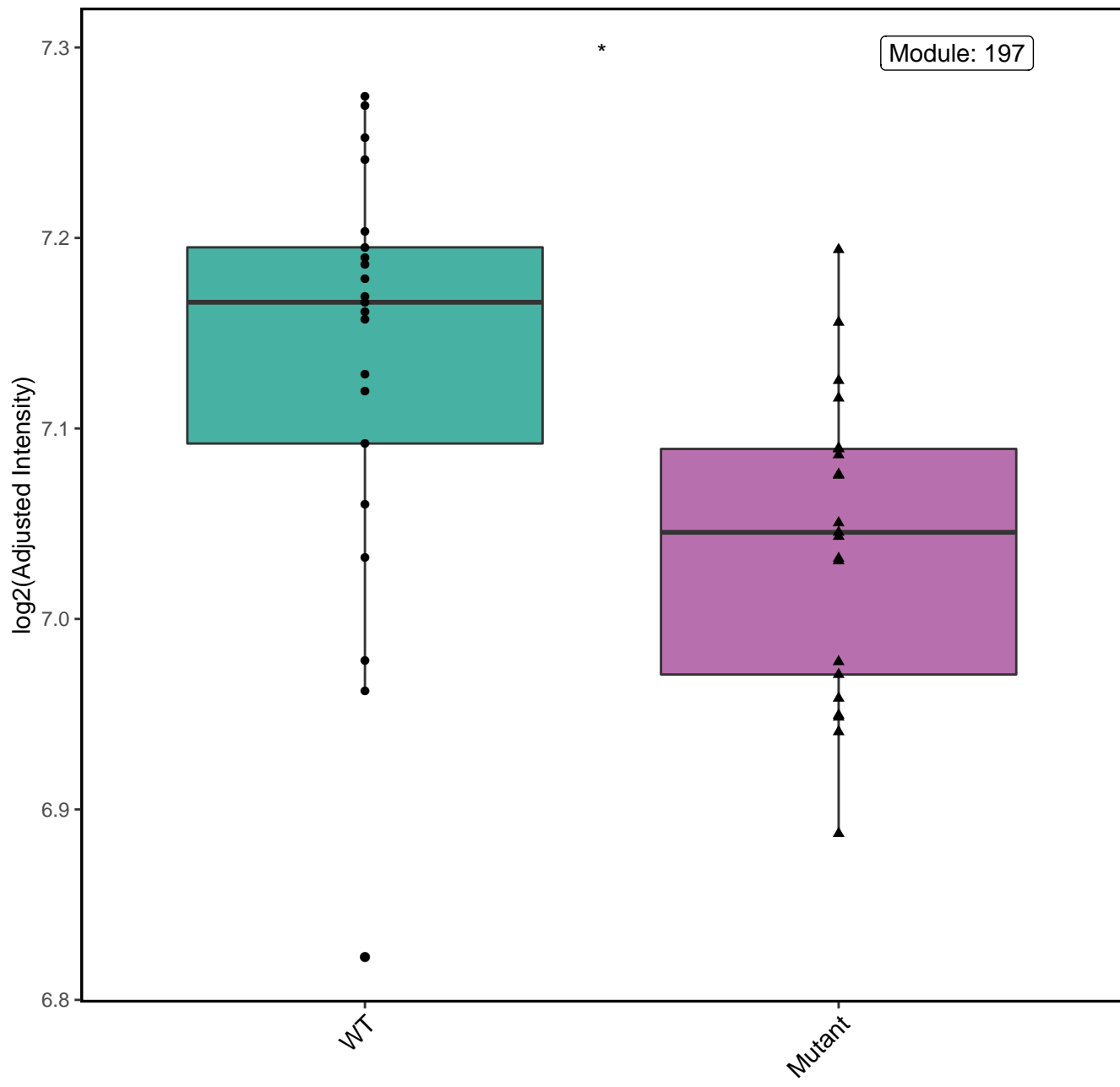




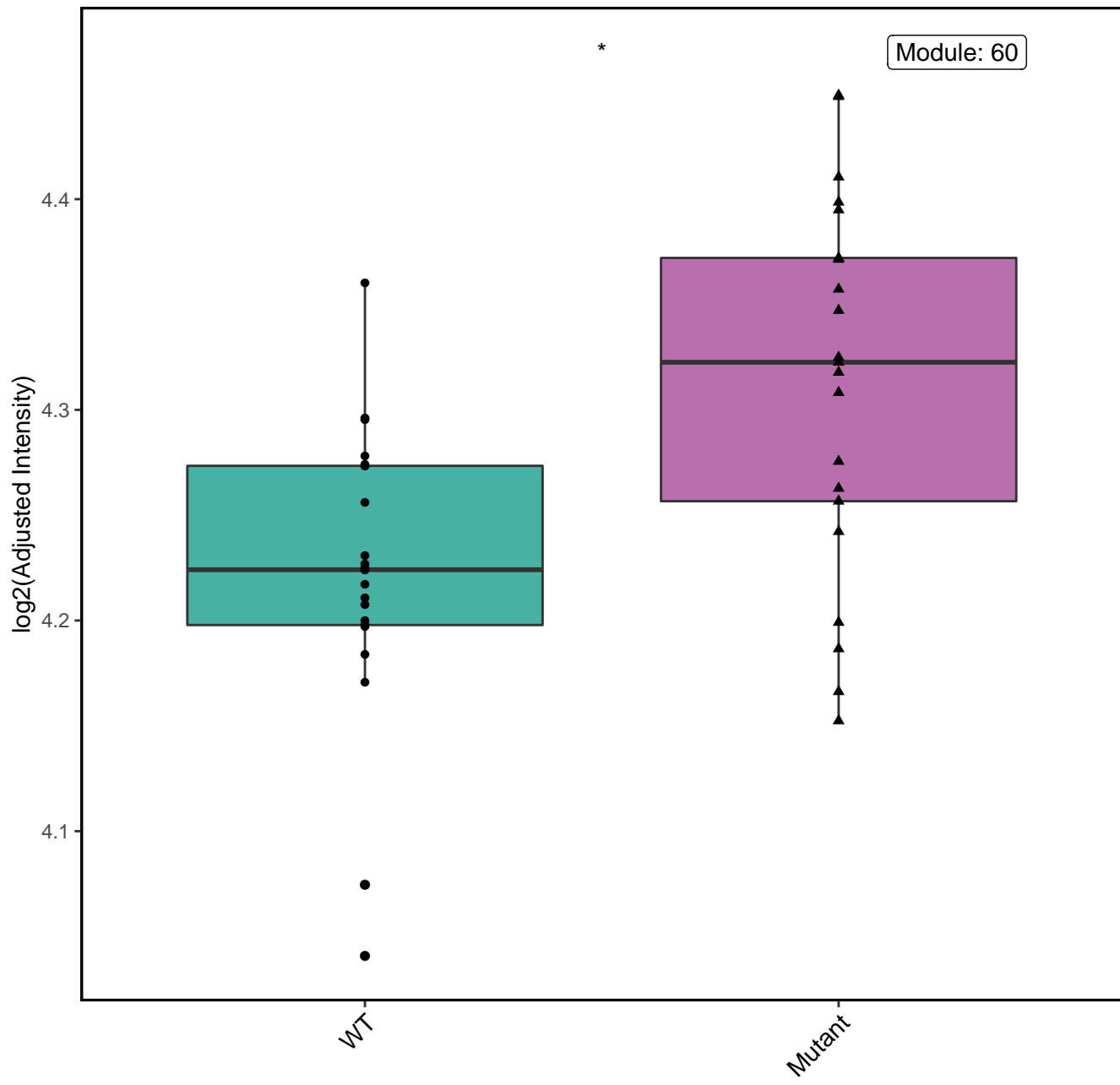


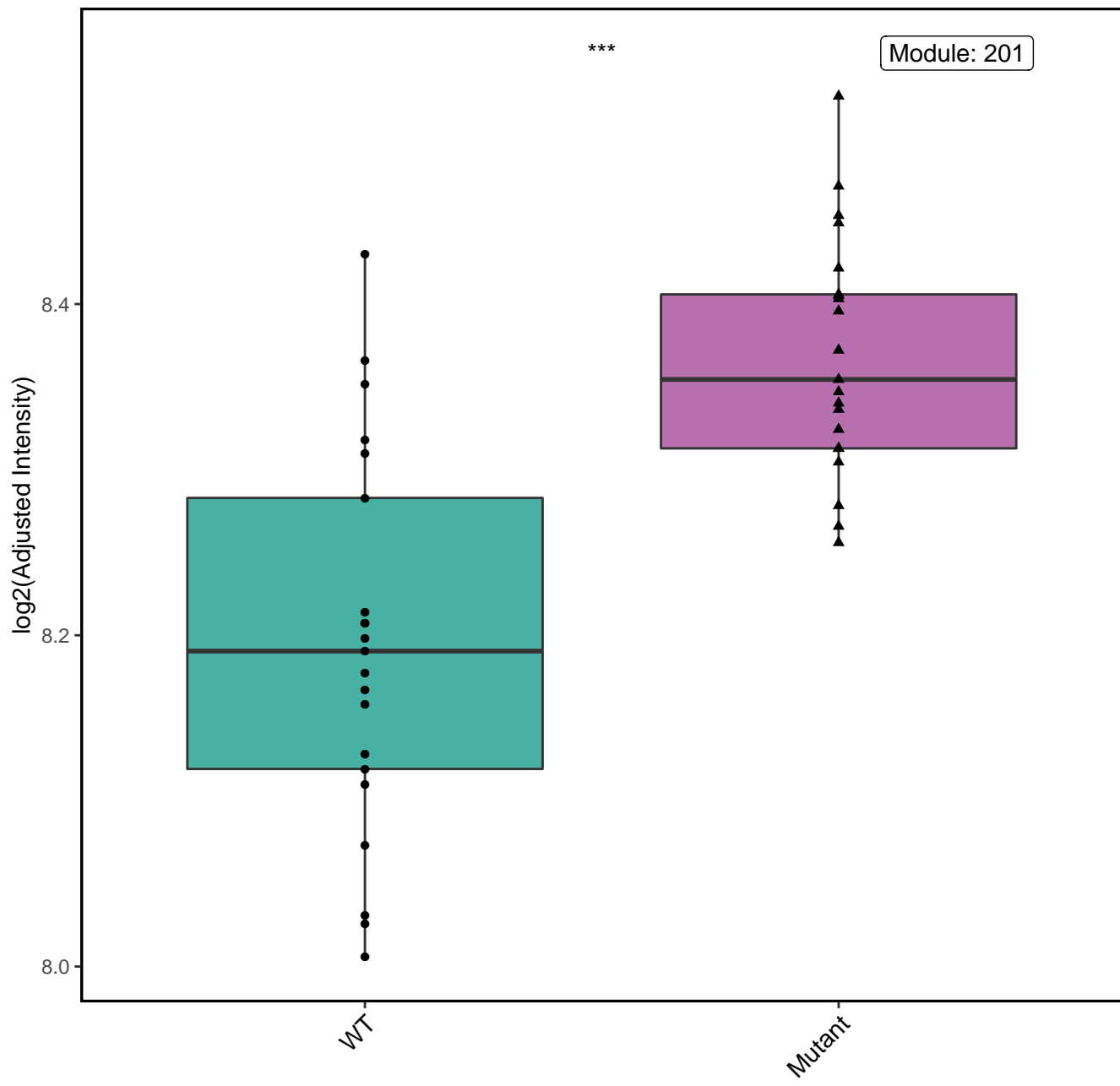


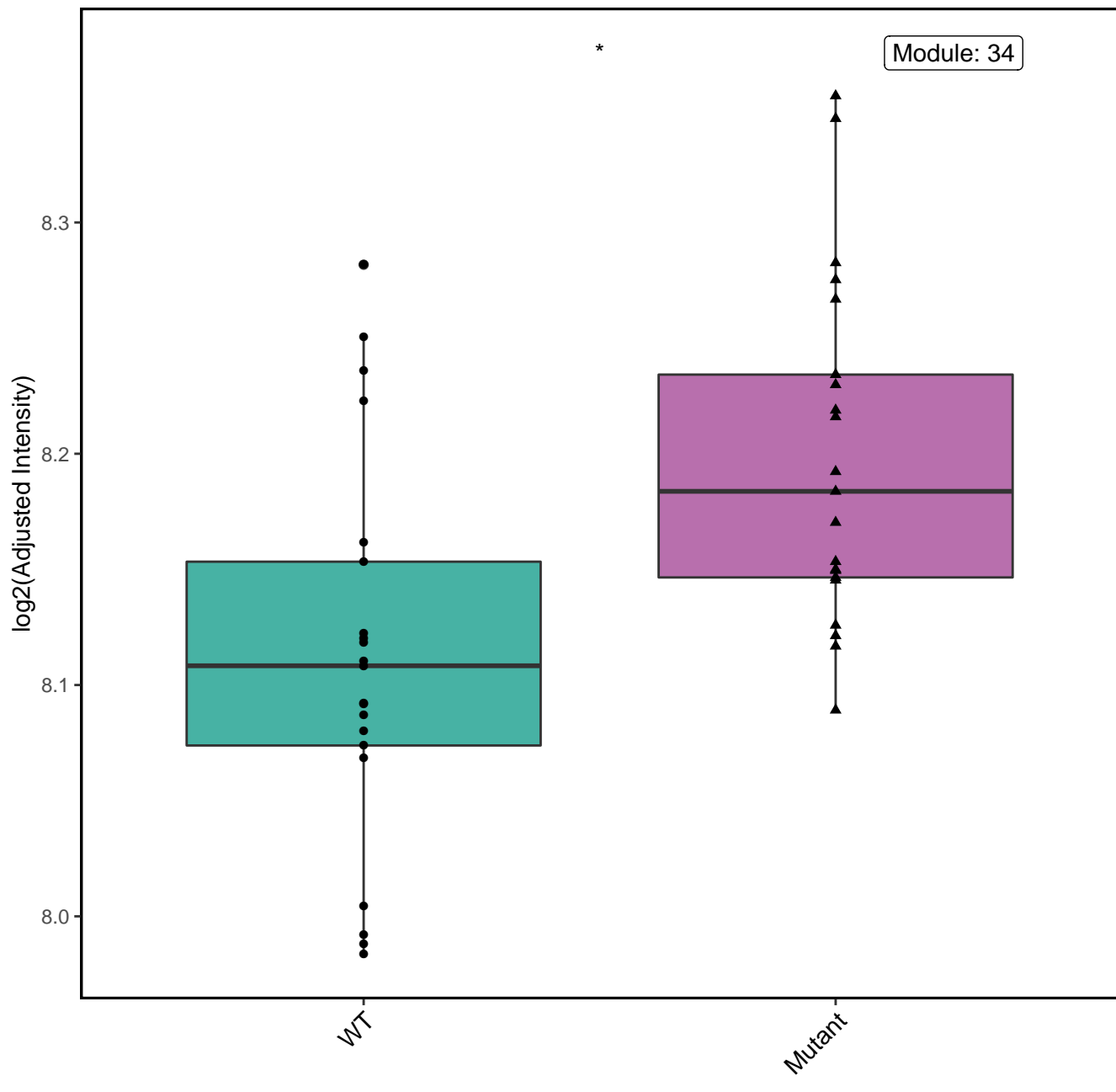


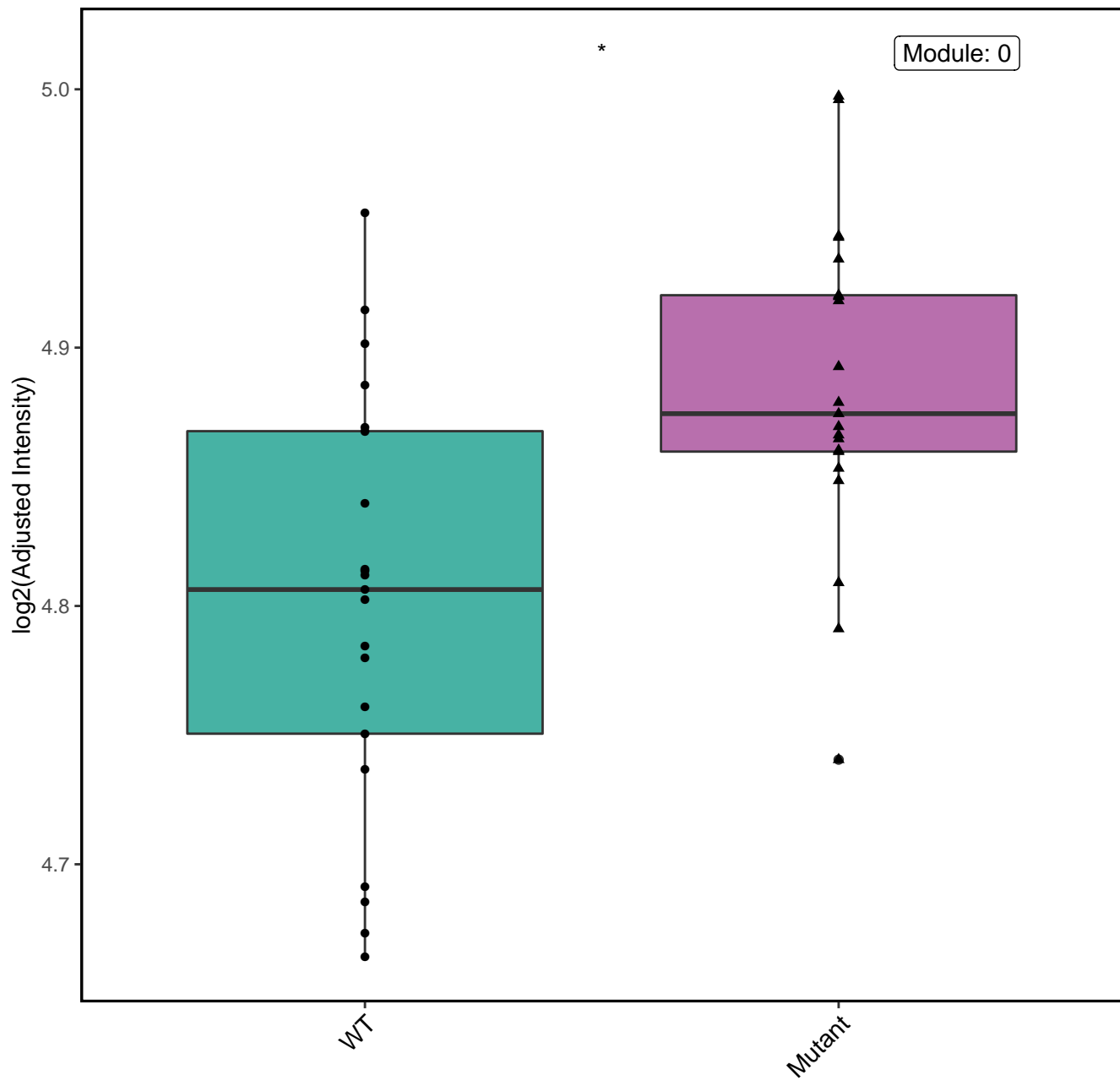


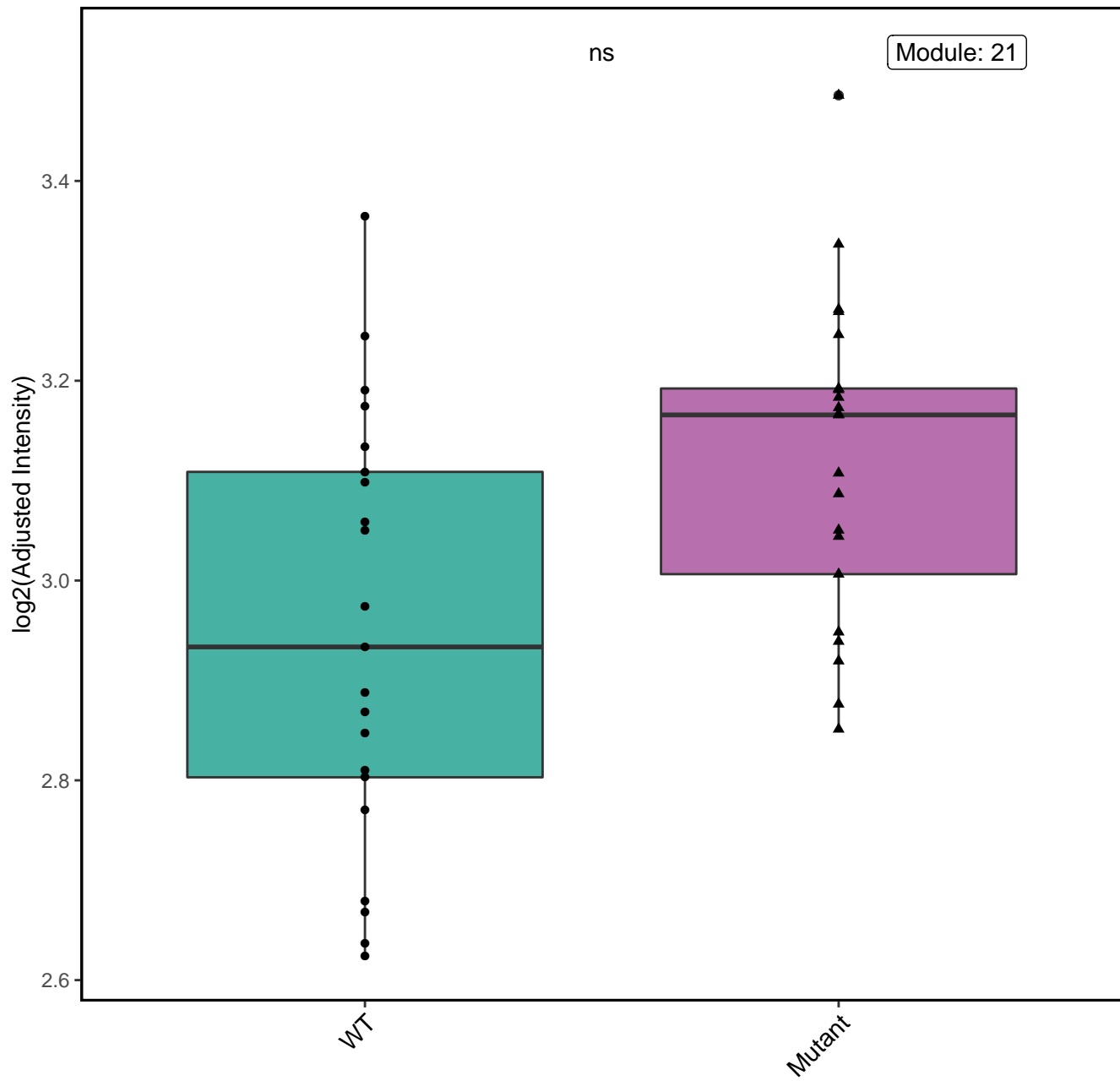


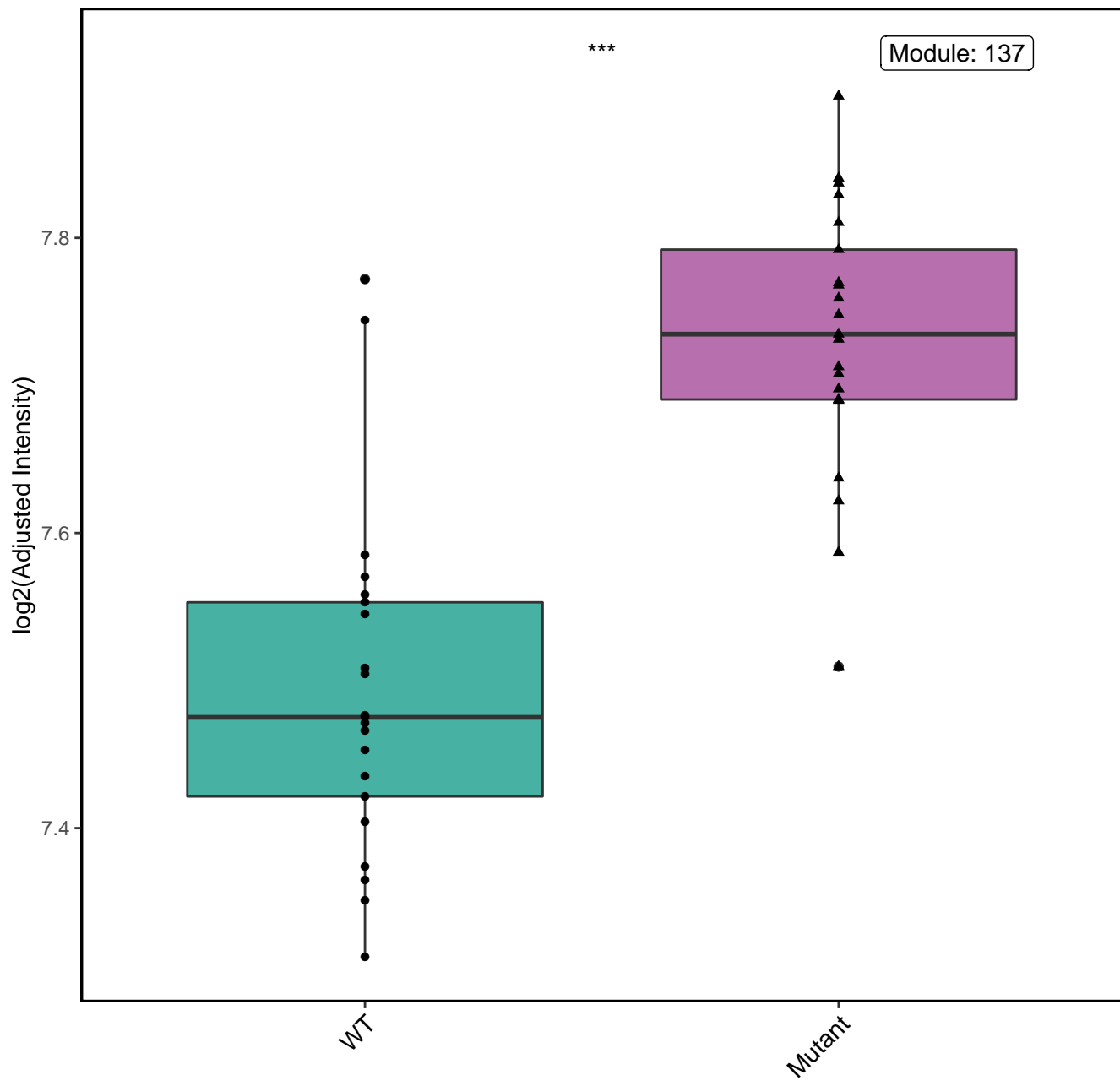


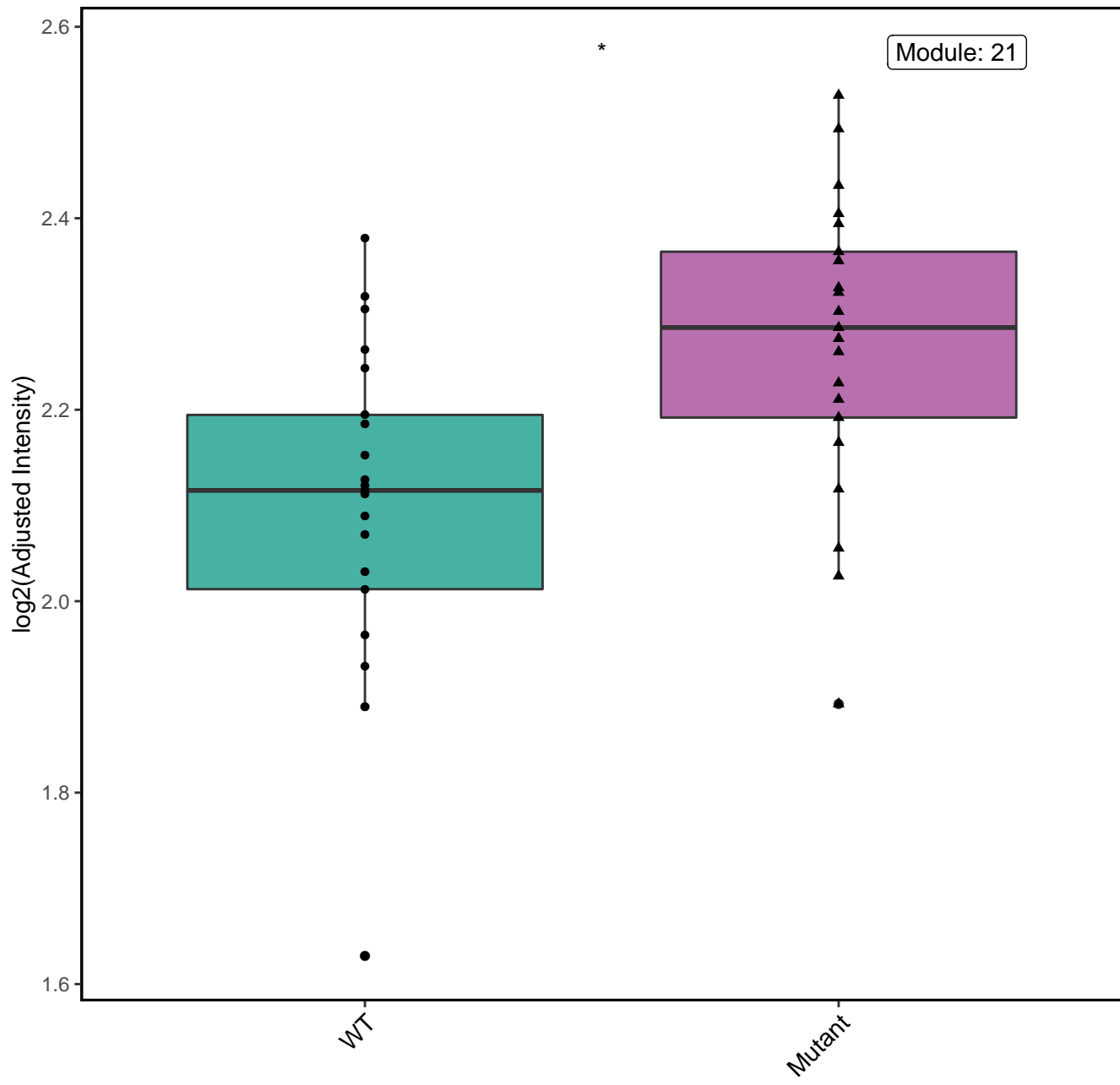


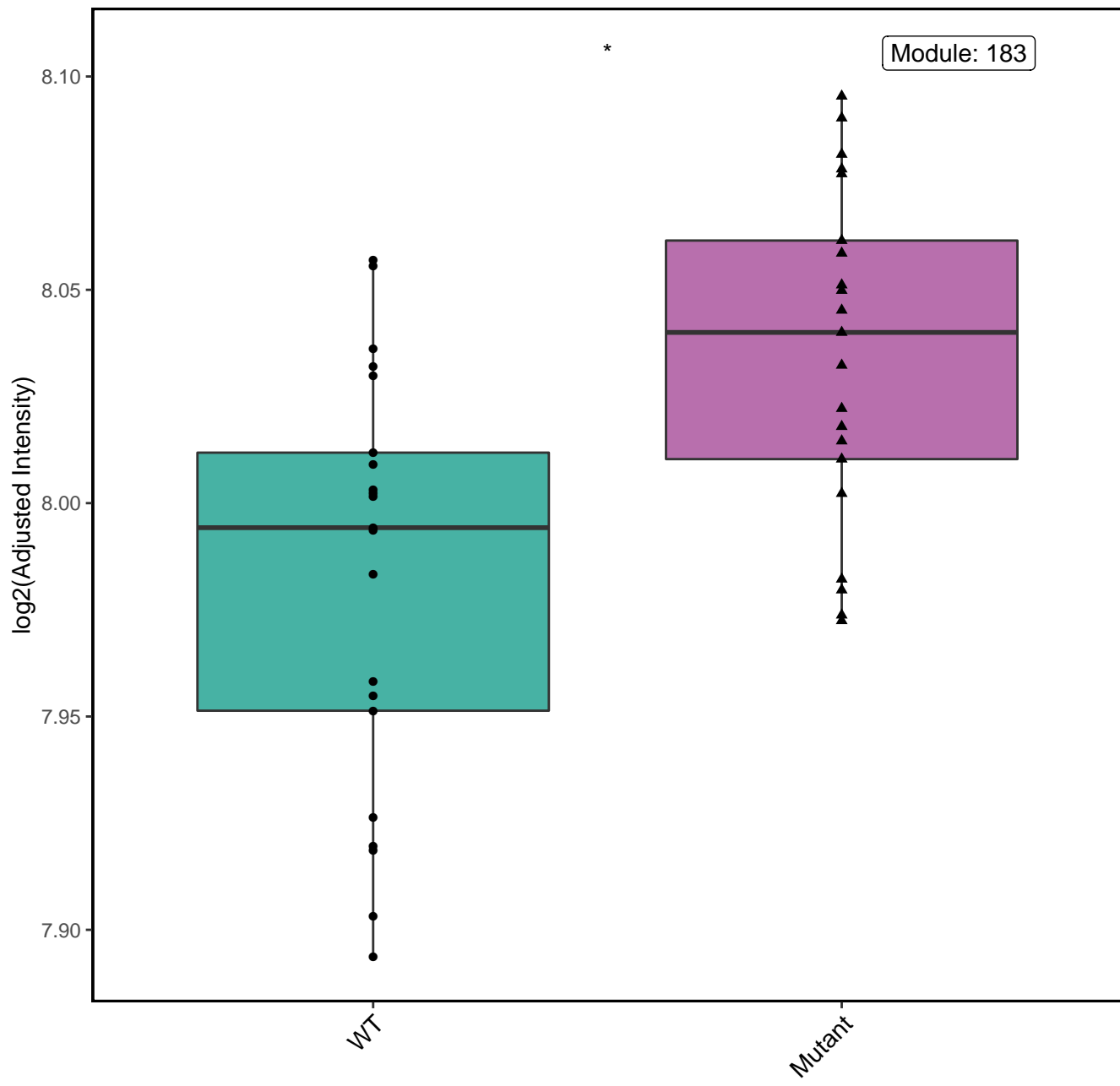














log2(Adjusted Intensity)

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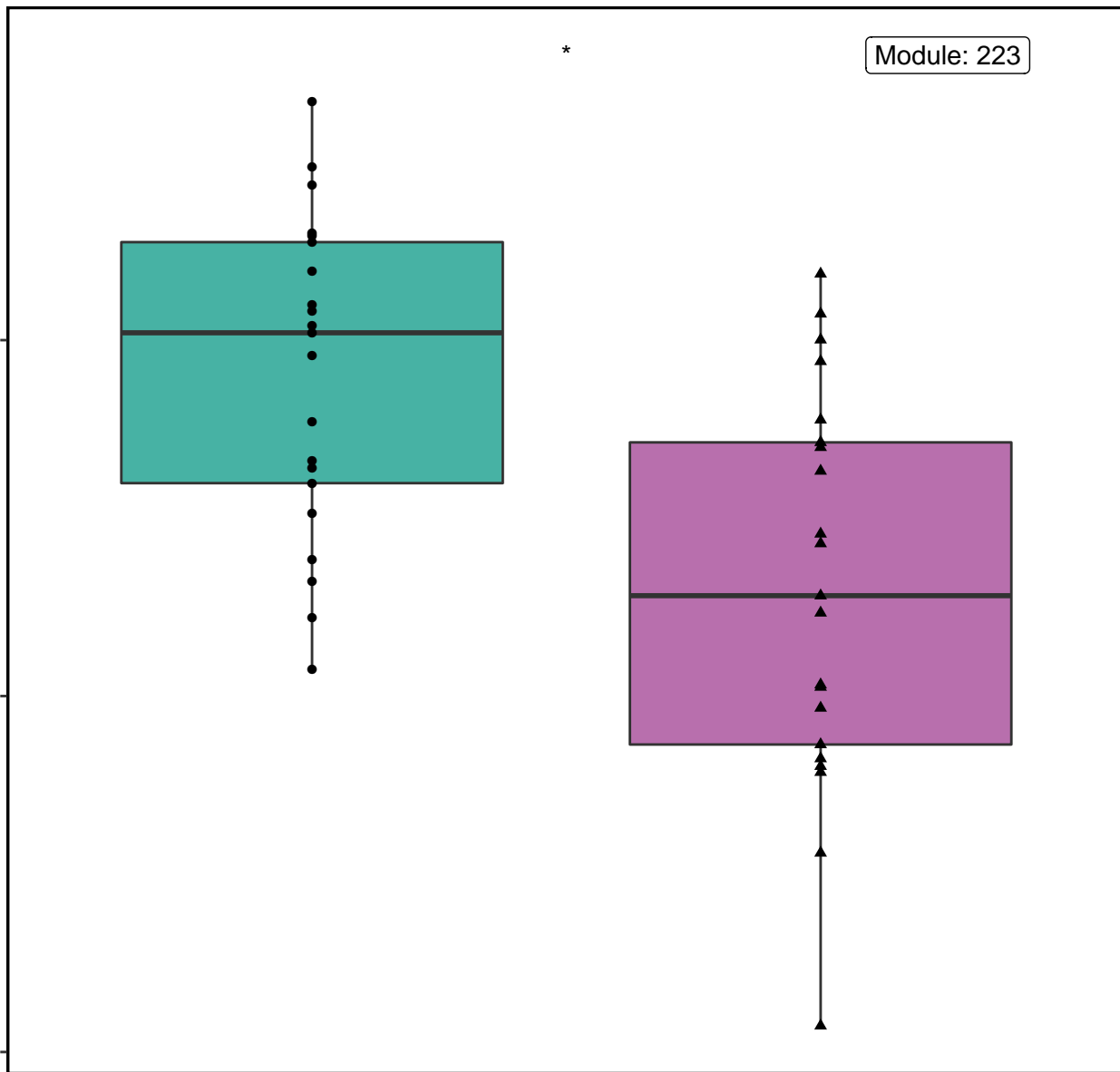
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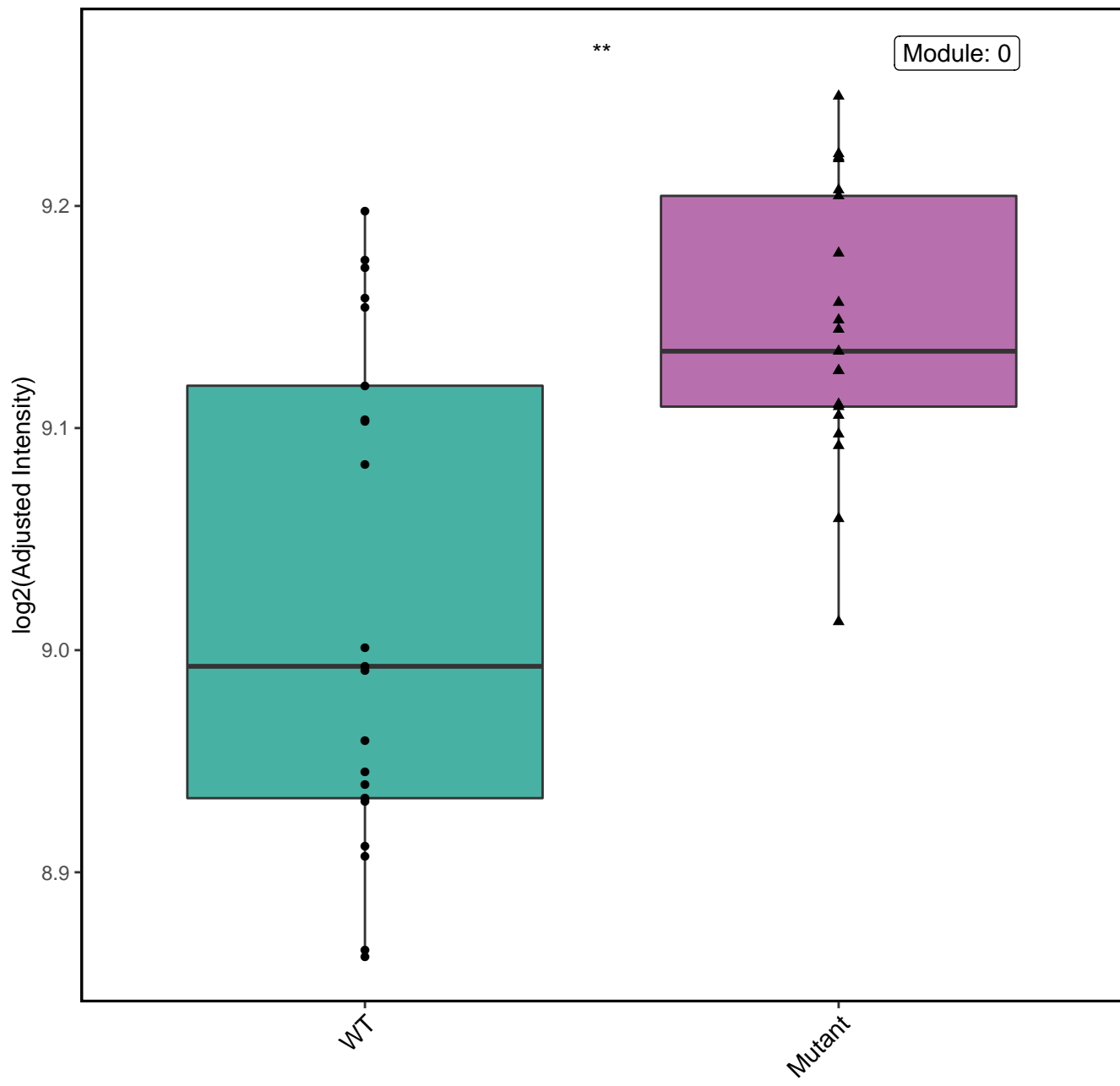
Mutant

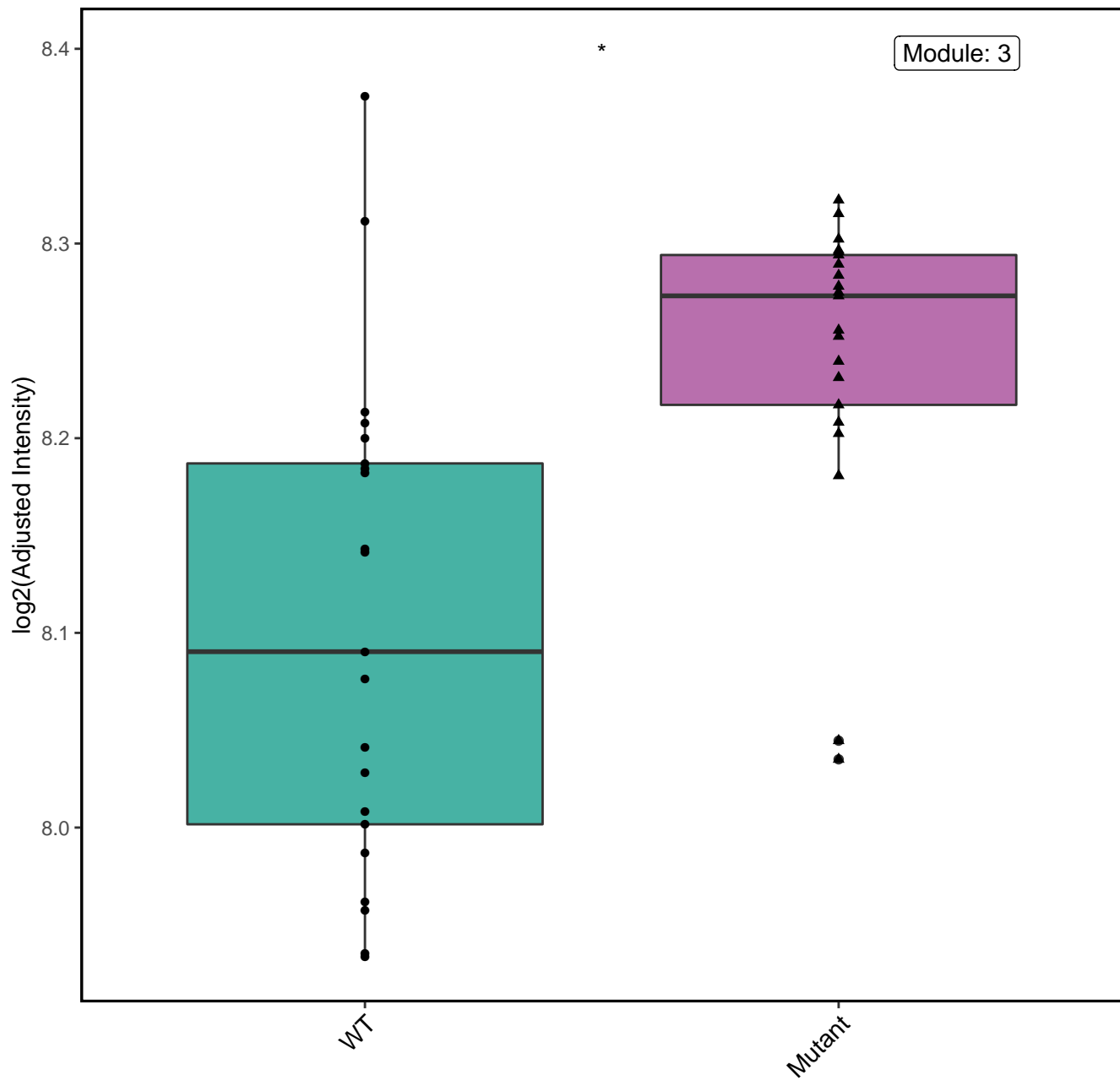
7.0

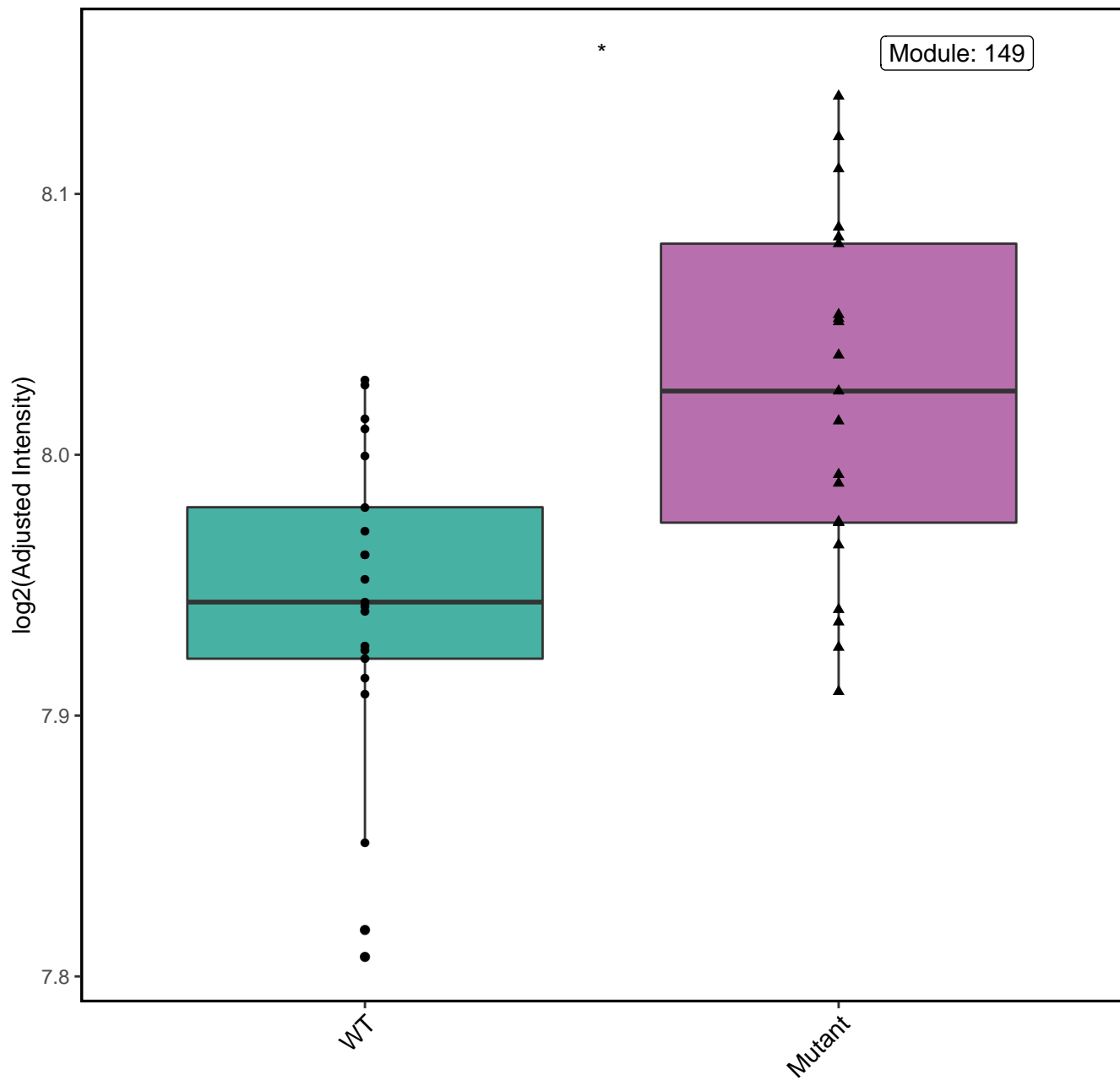
6.9

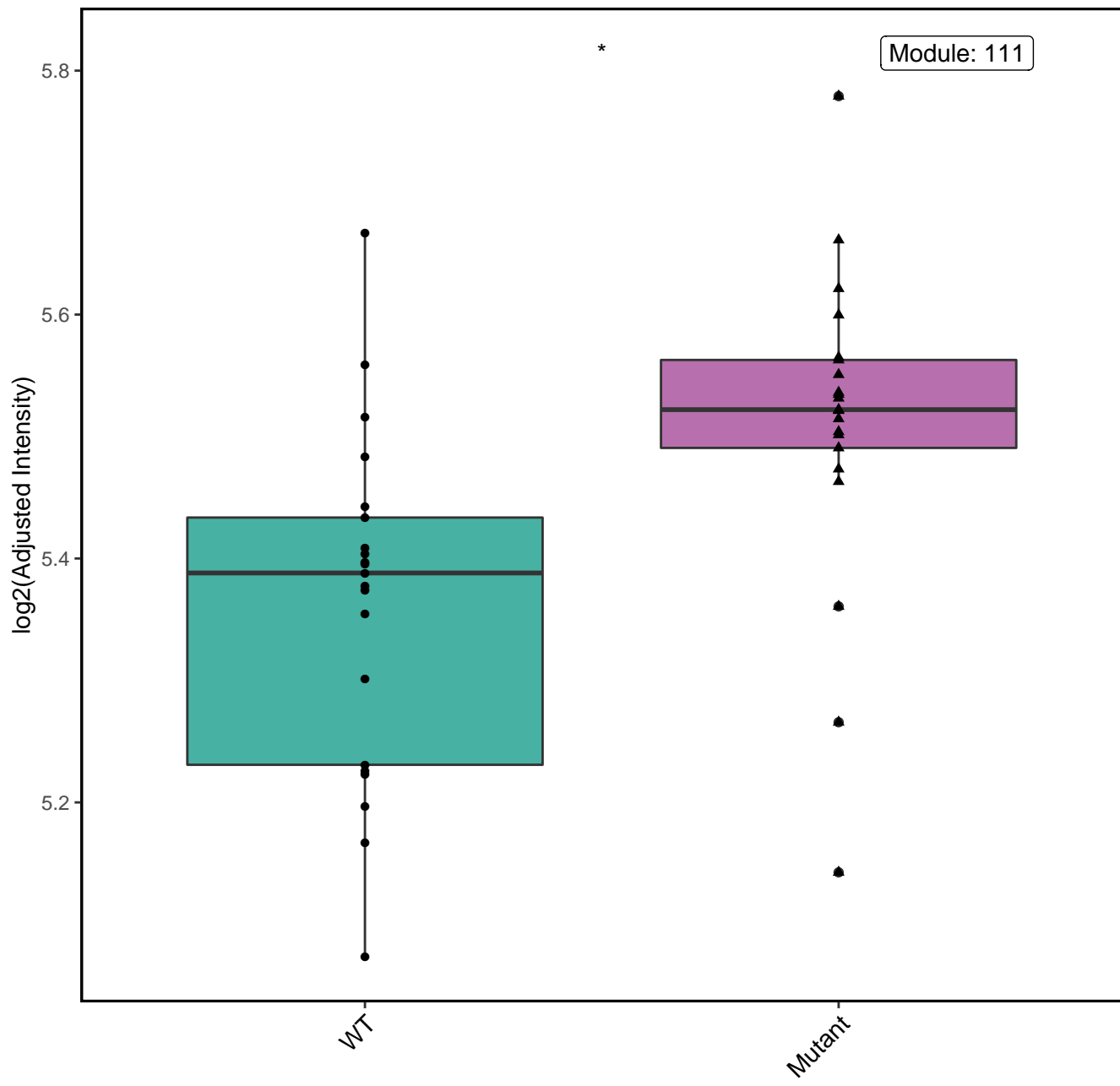
6.8

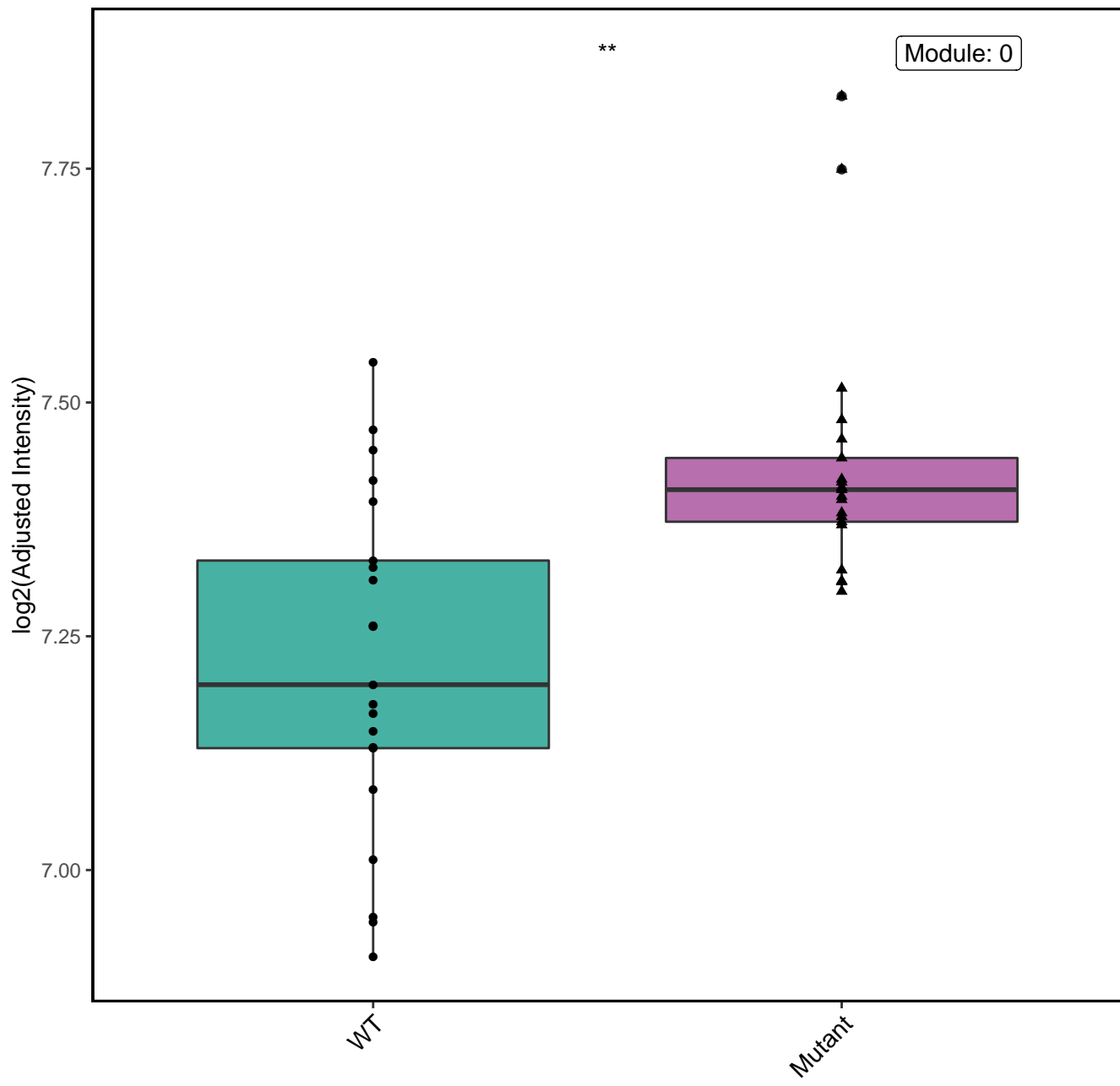


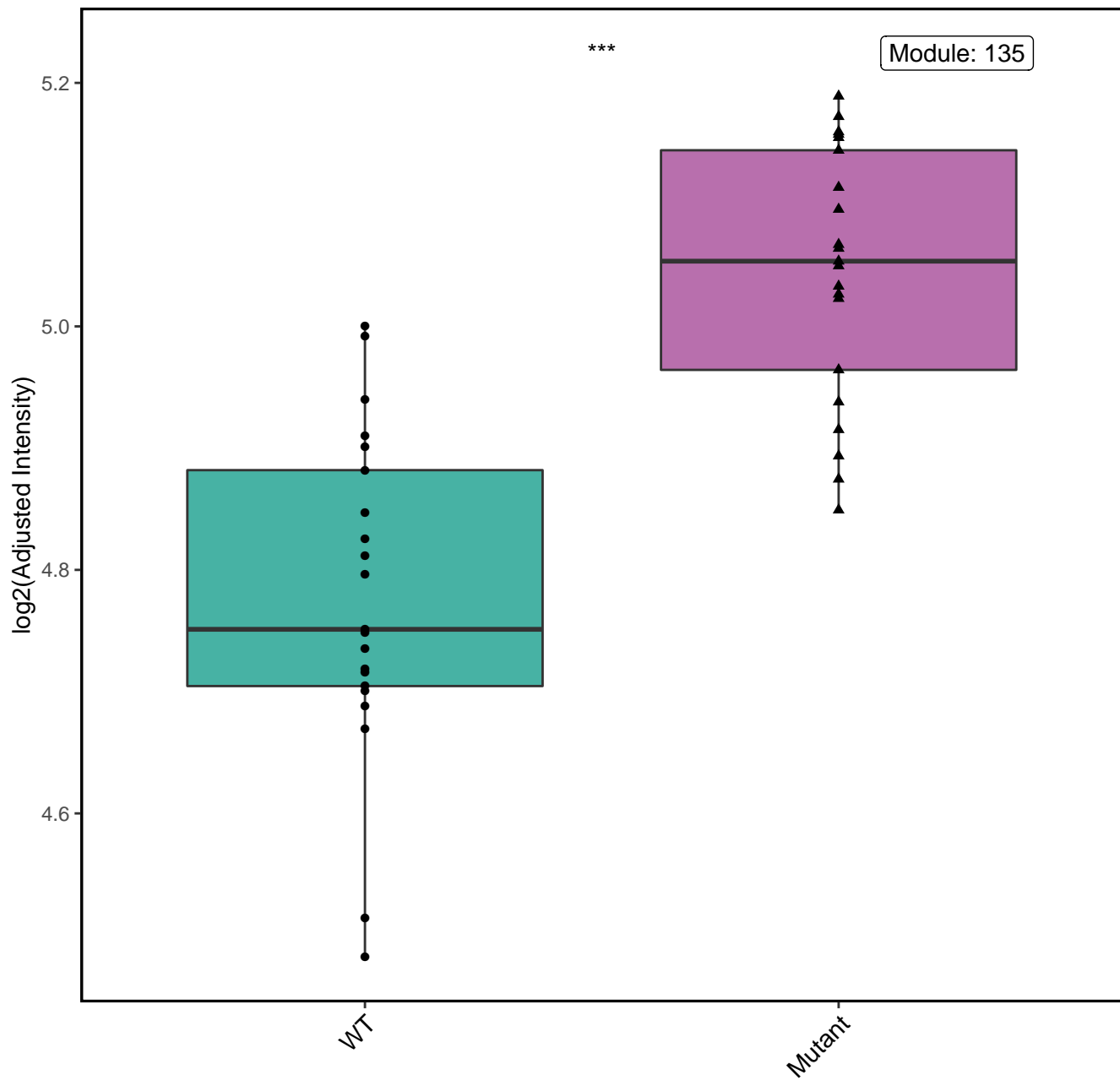


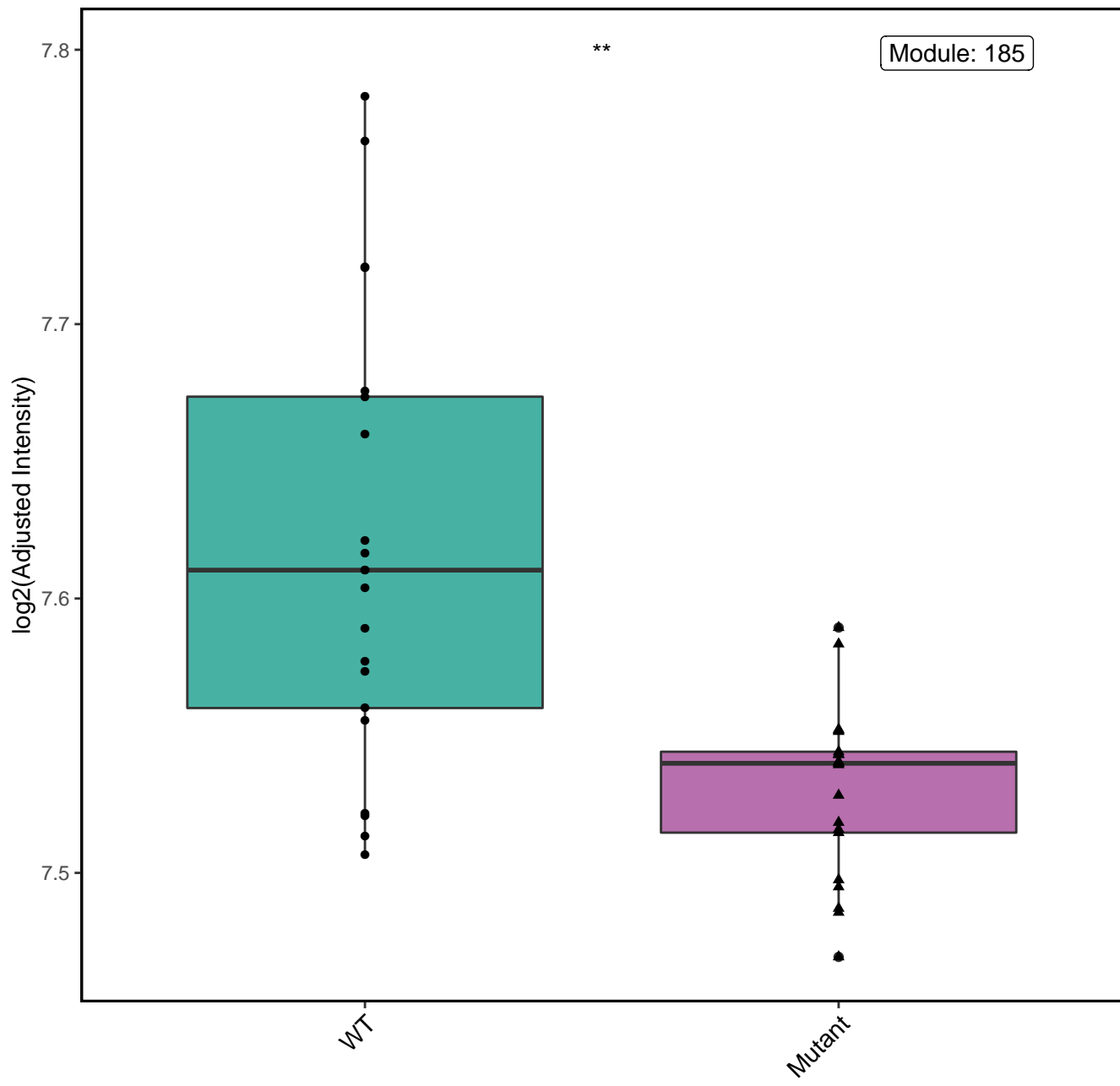




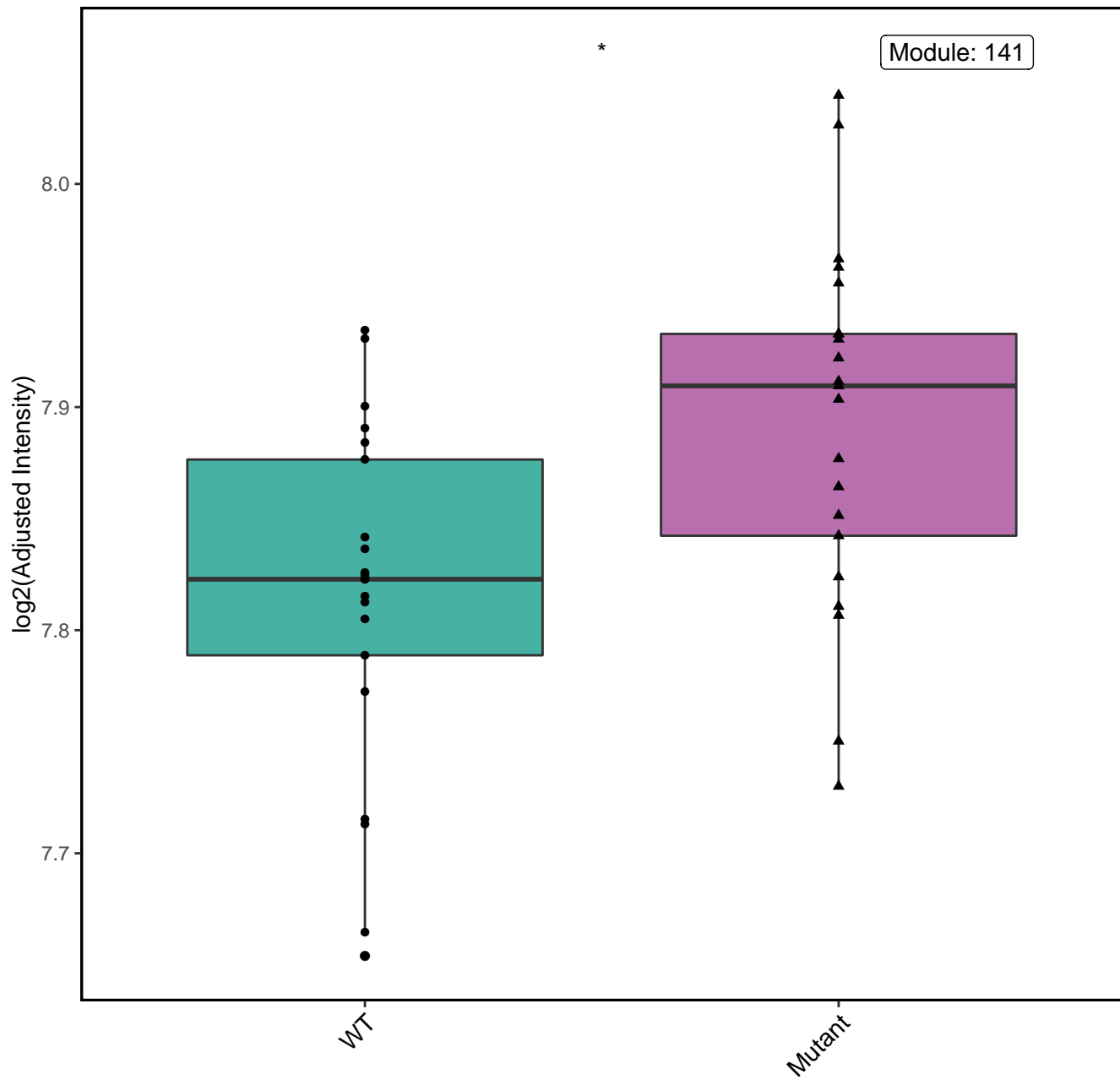


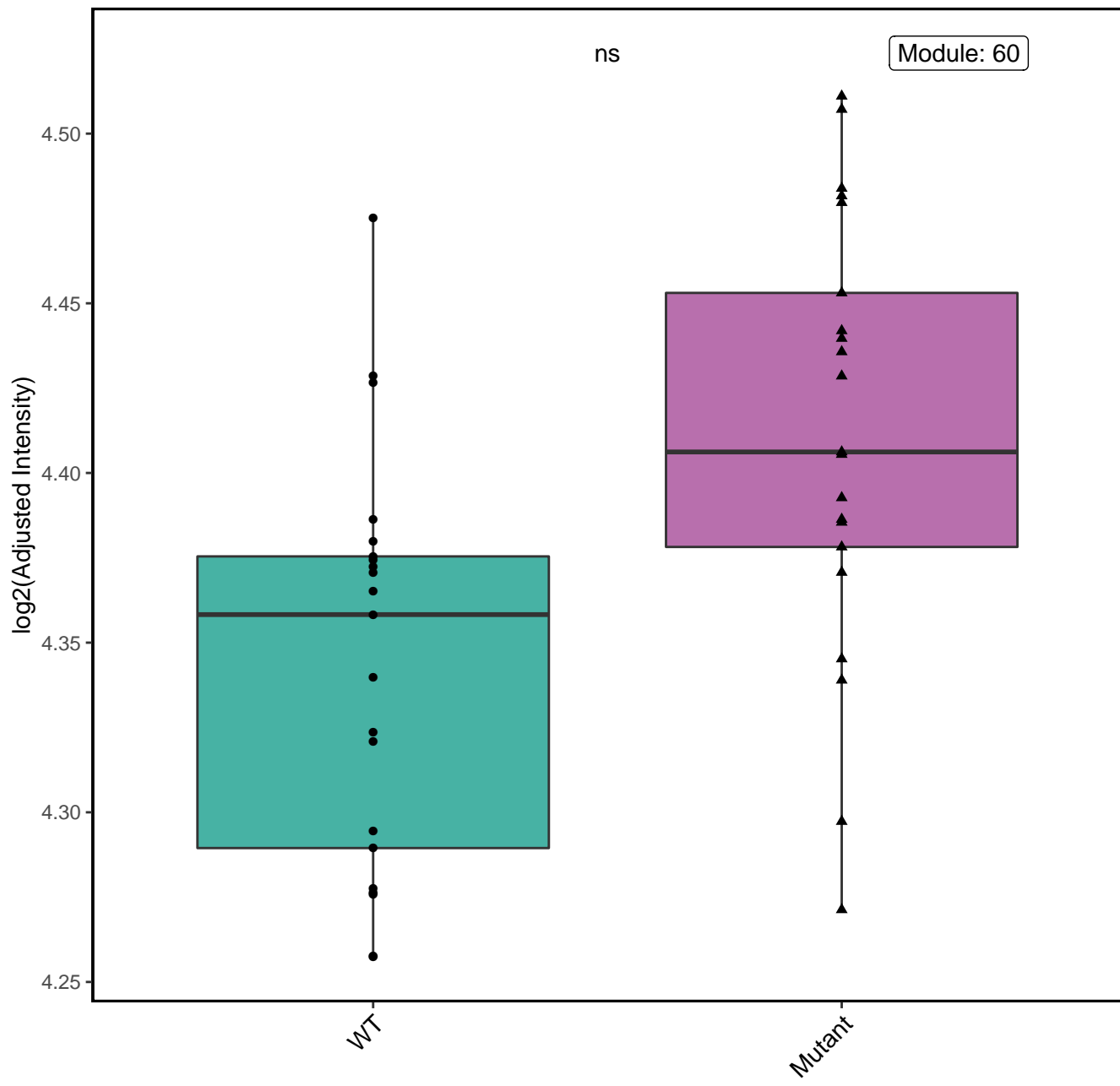


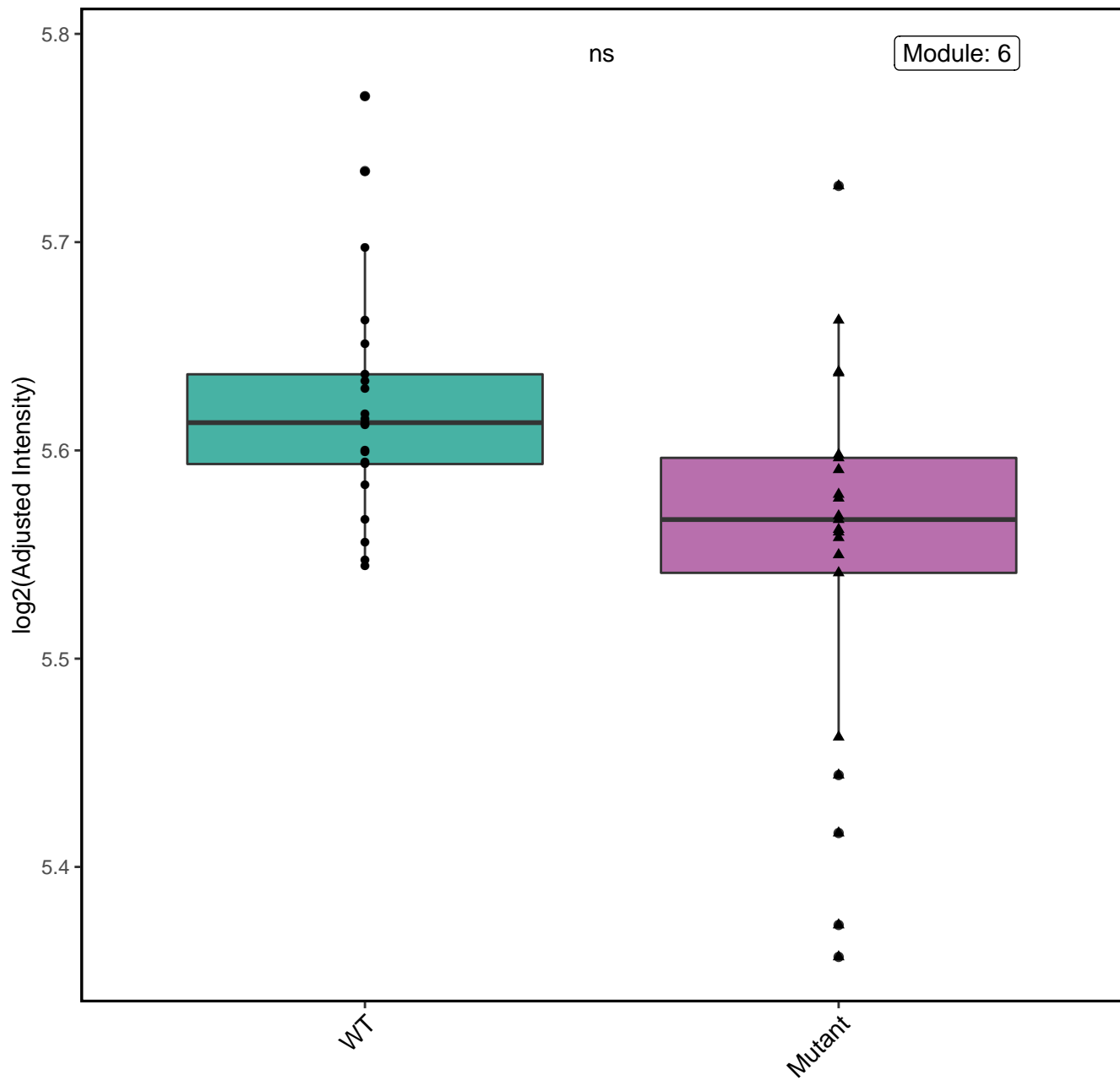


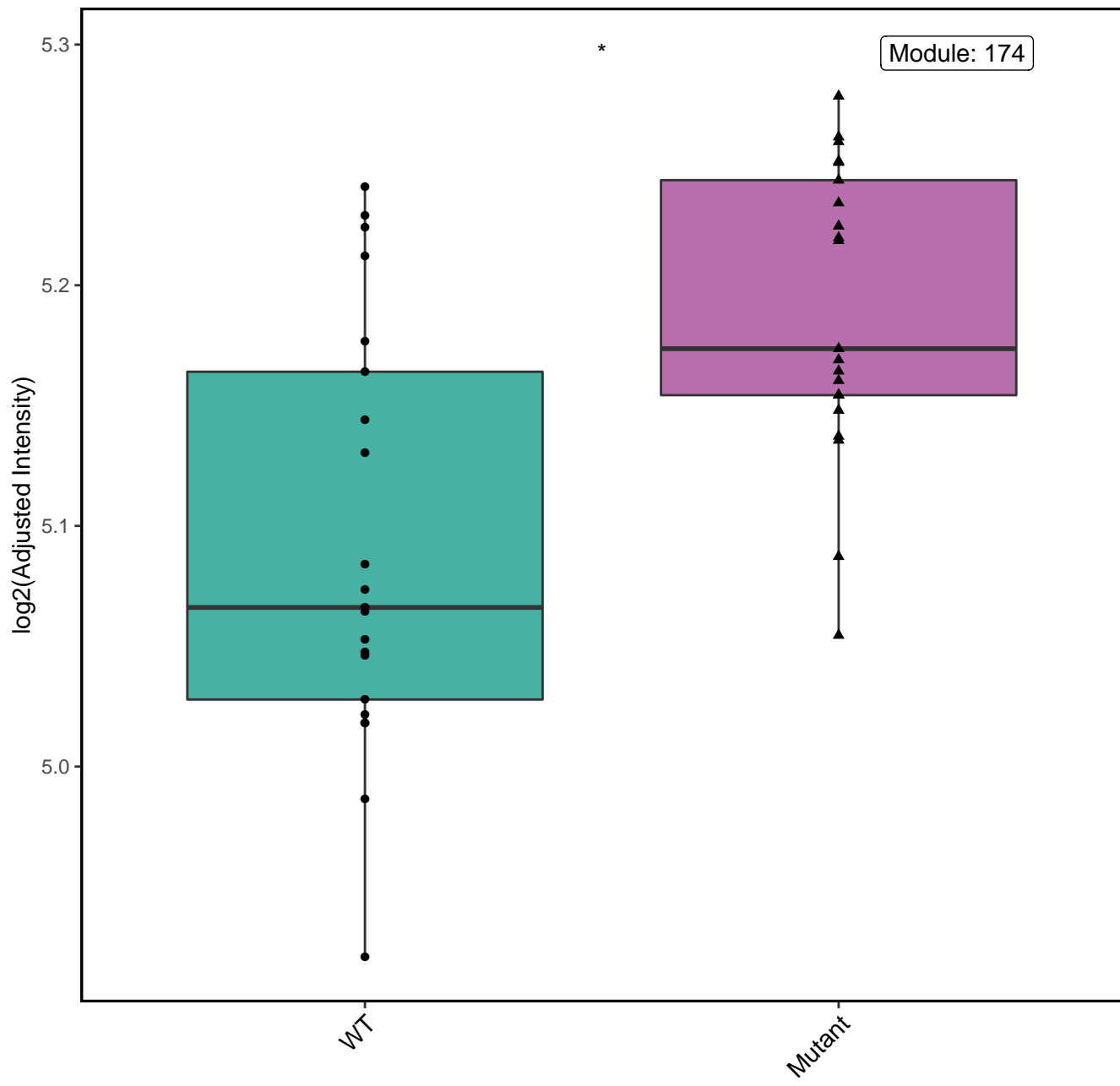


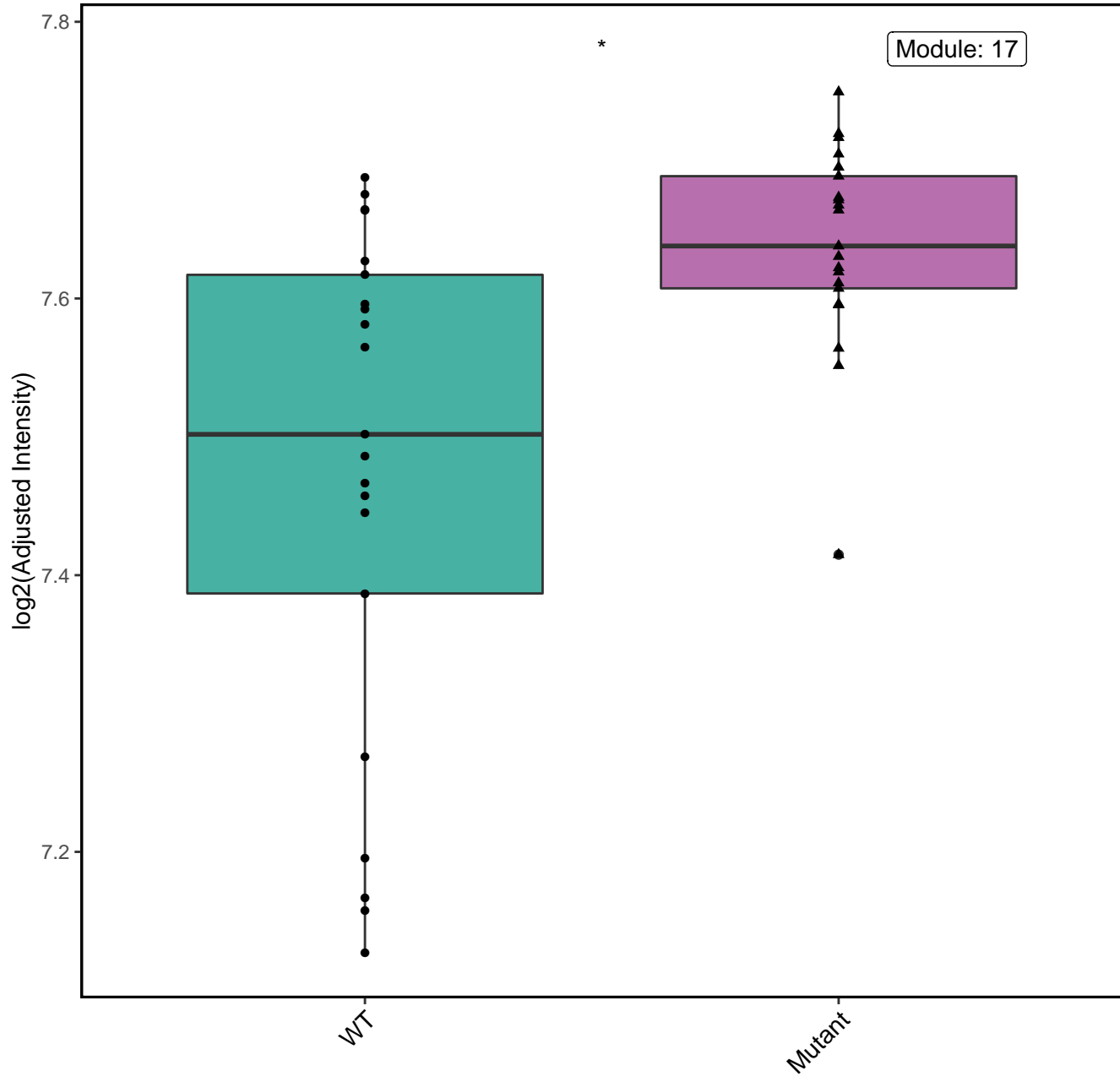


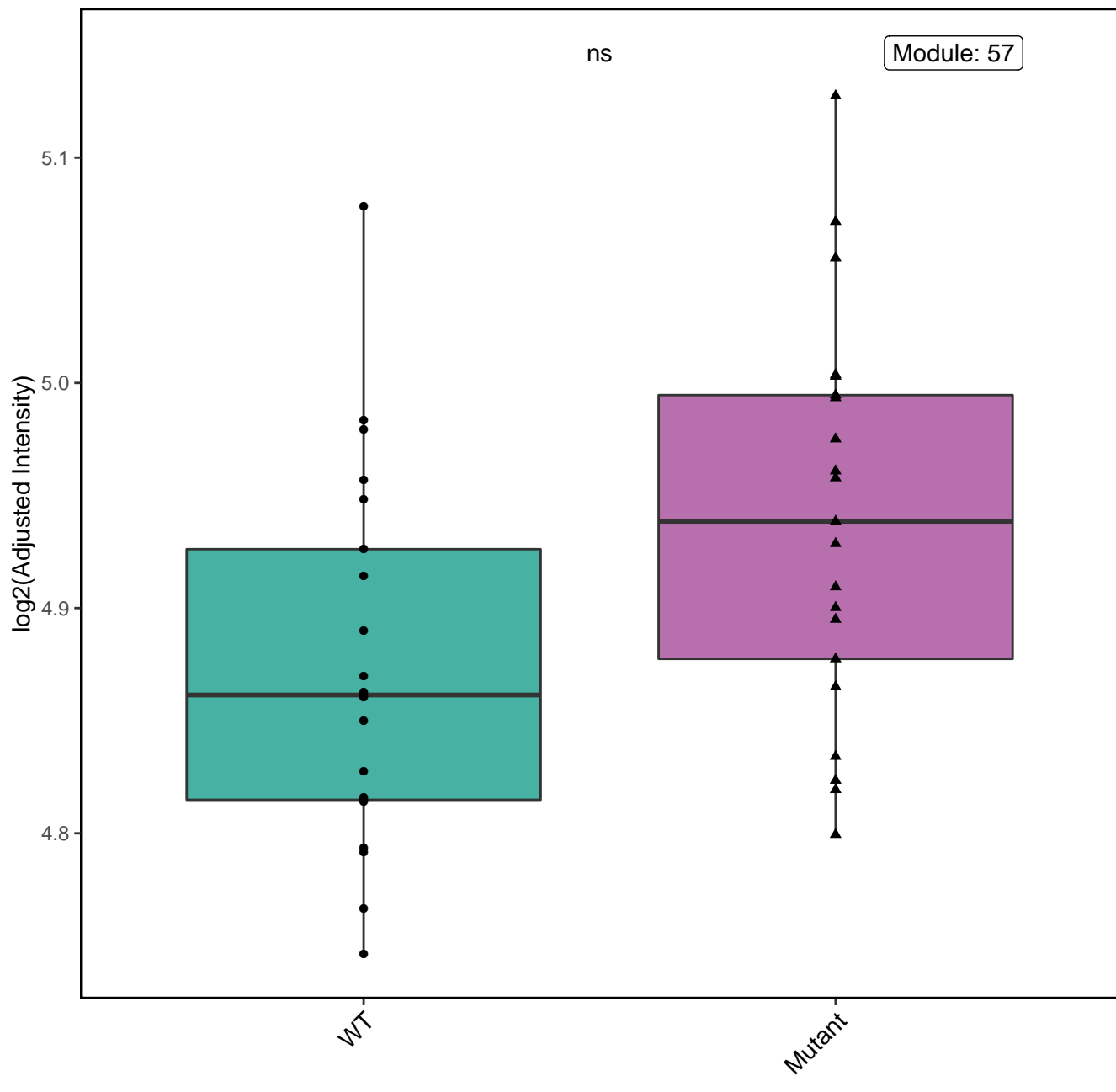


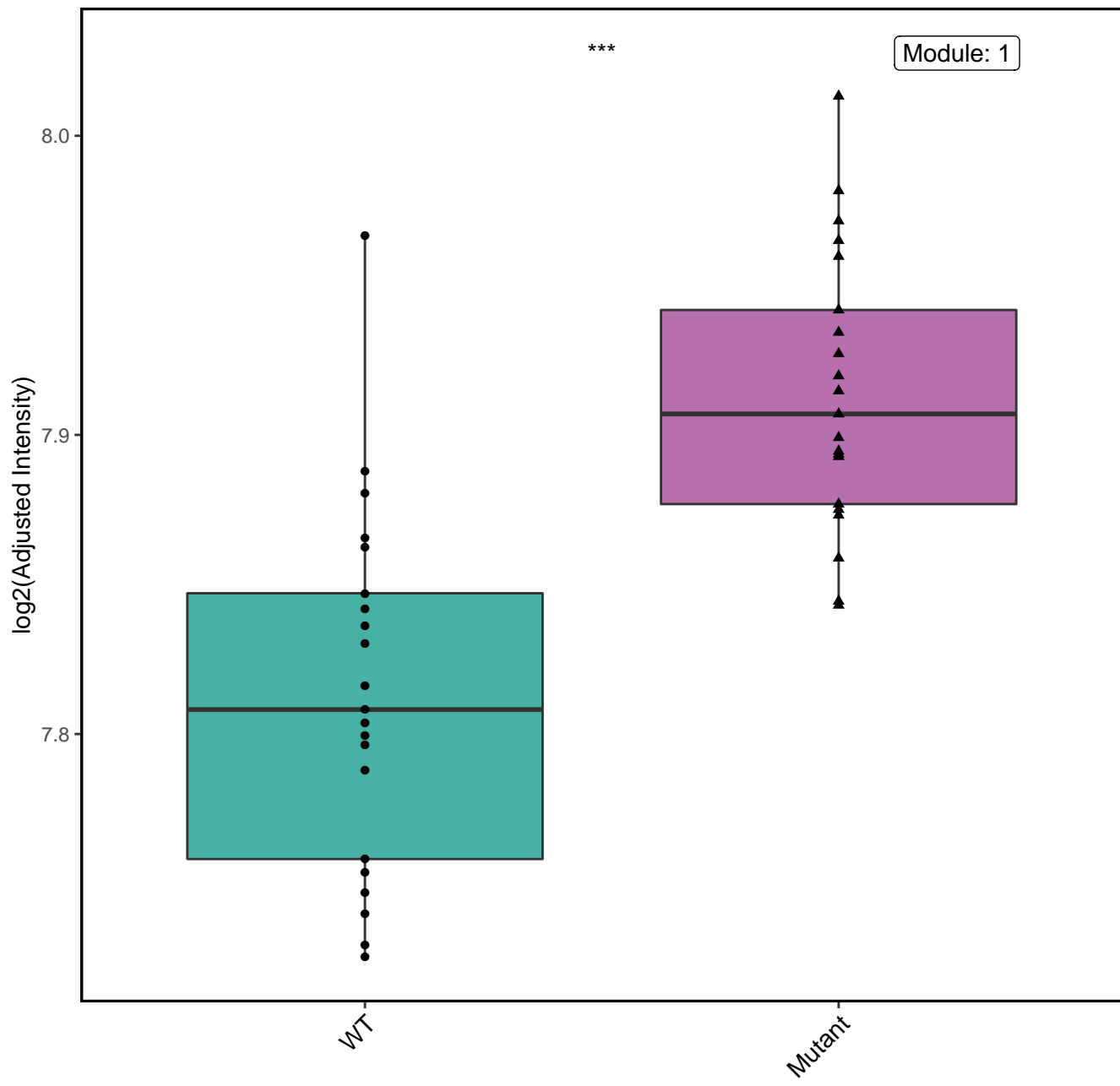


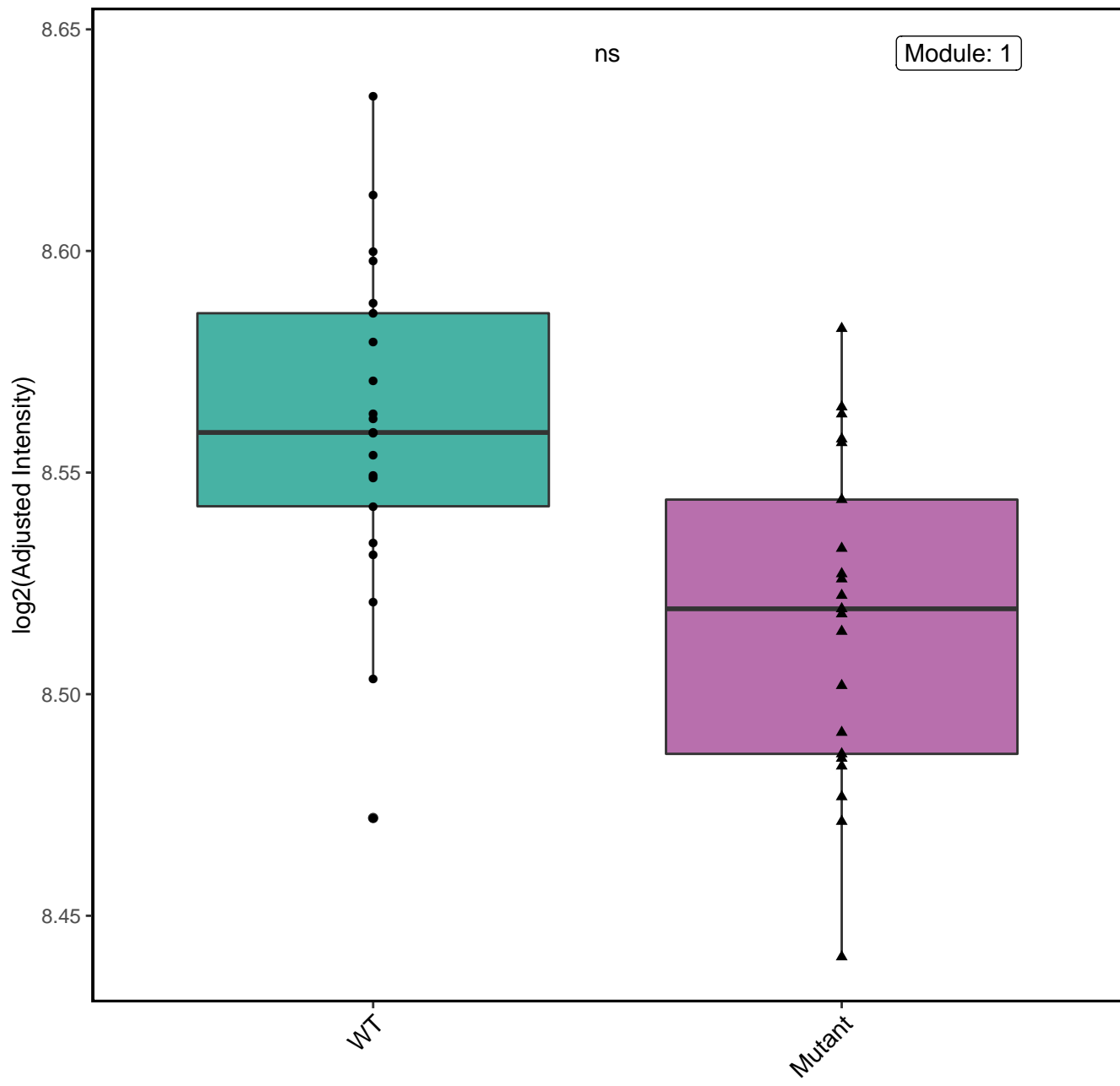




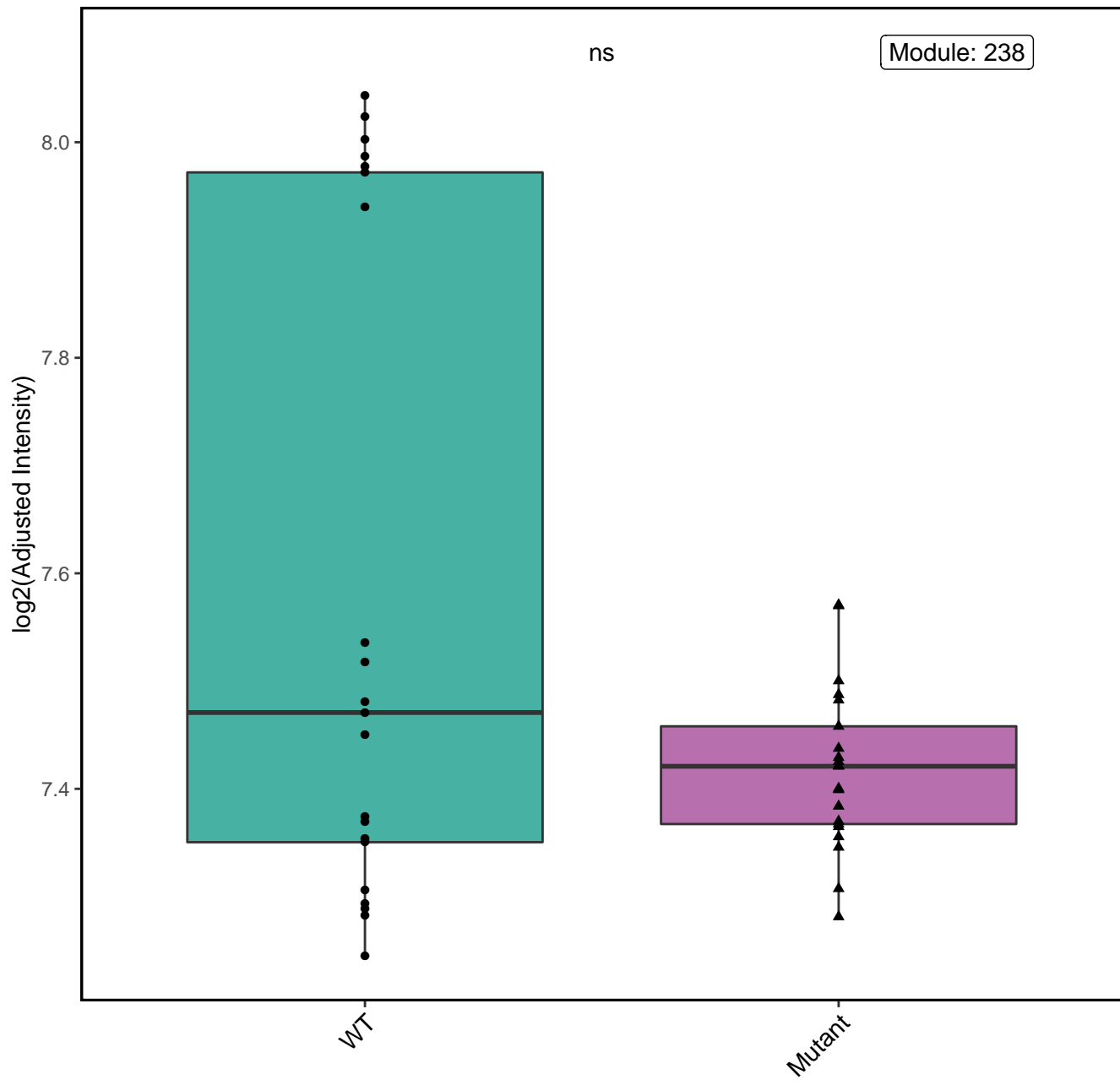










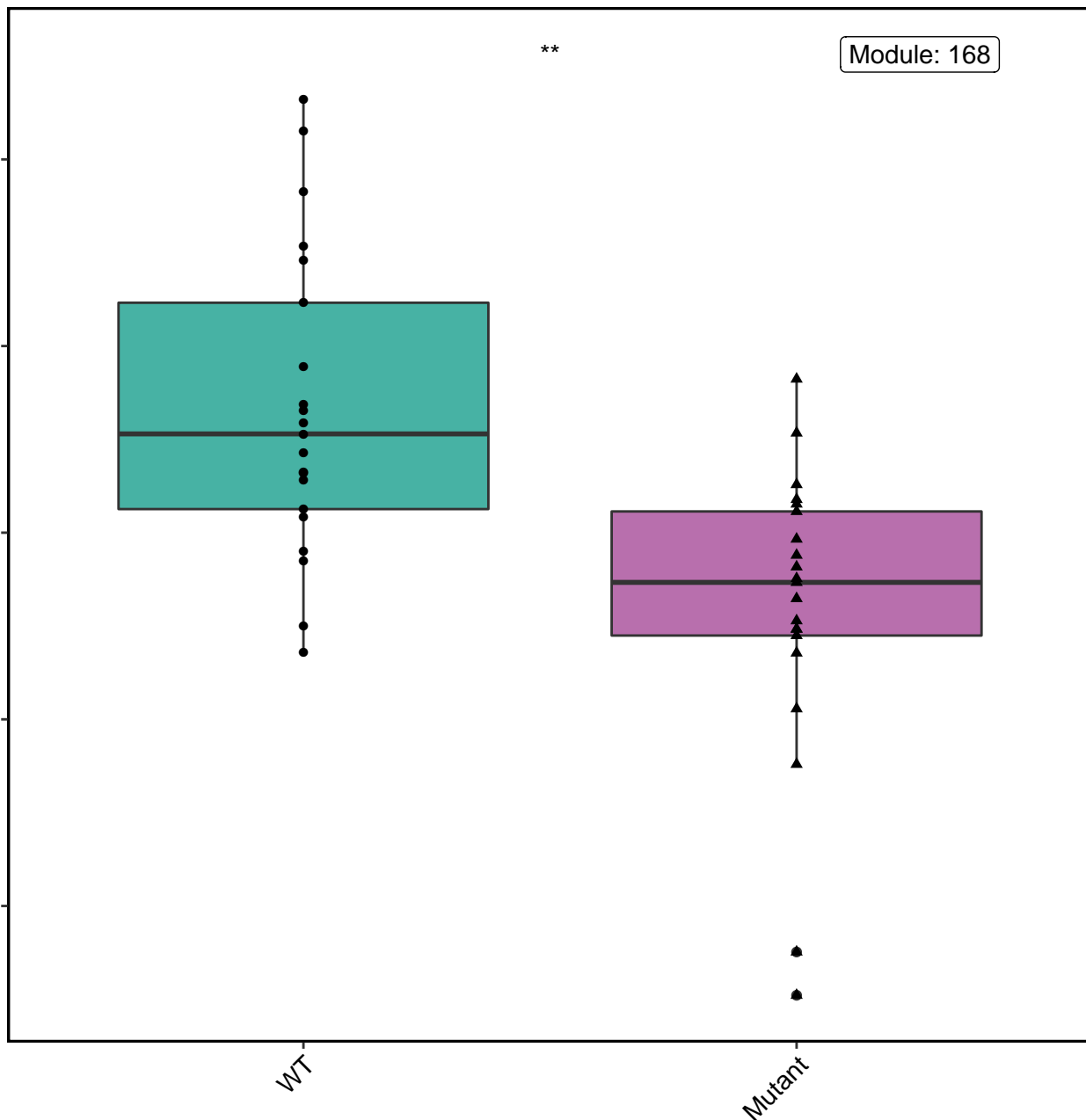


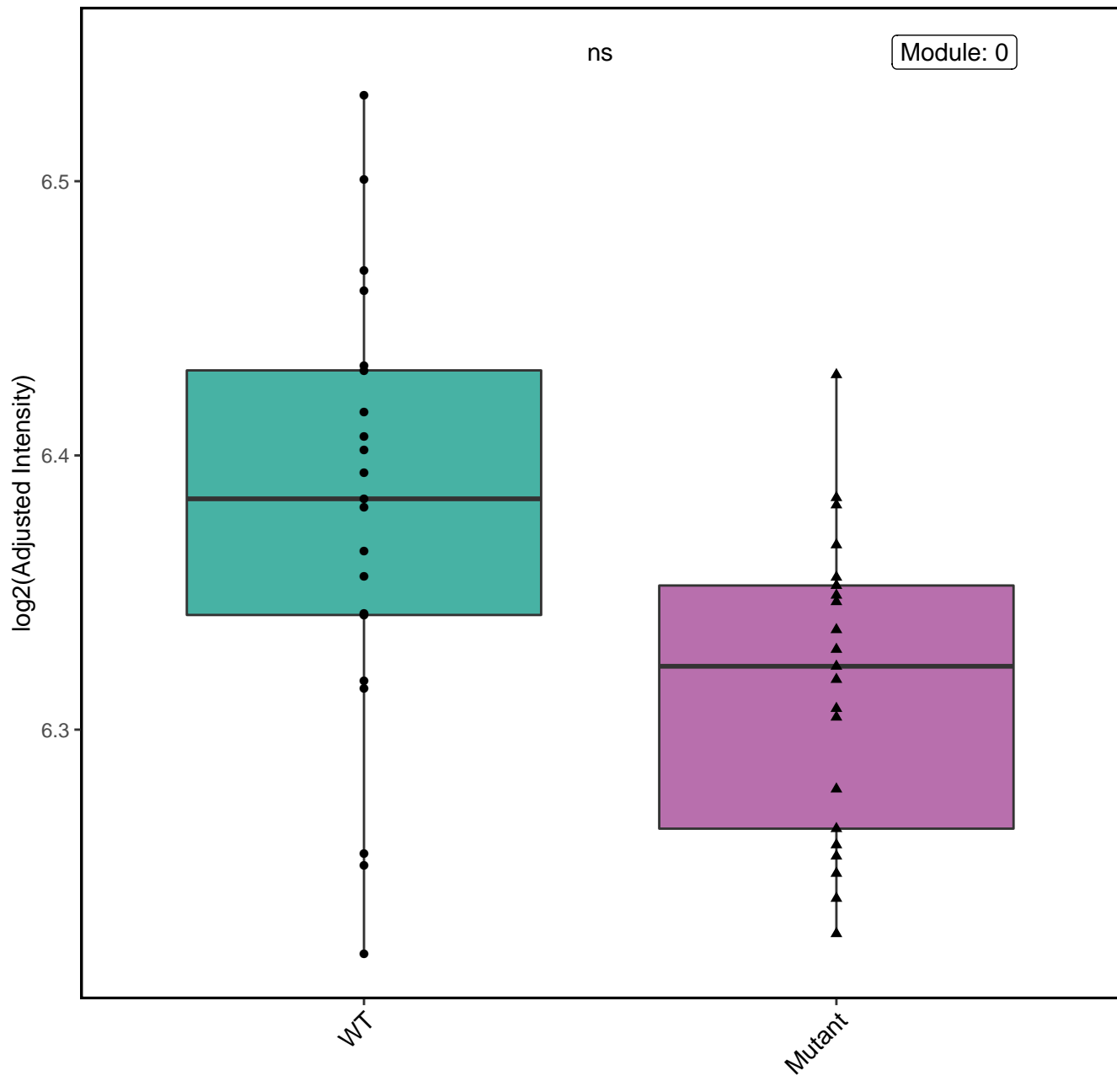
log2(Adjusted Intensity)

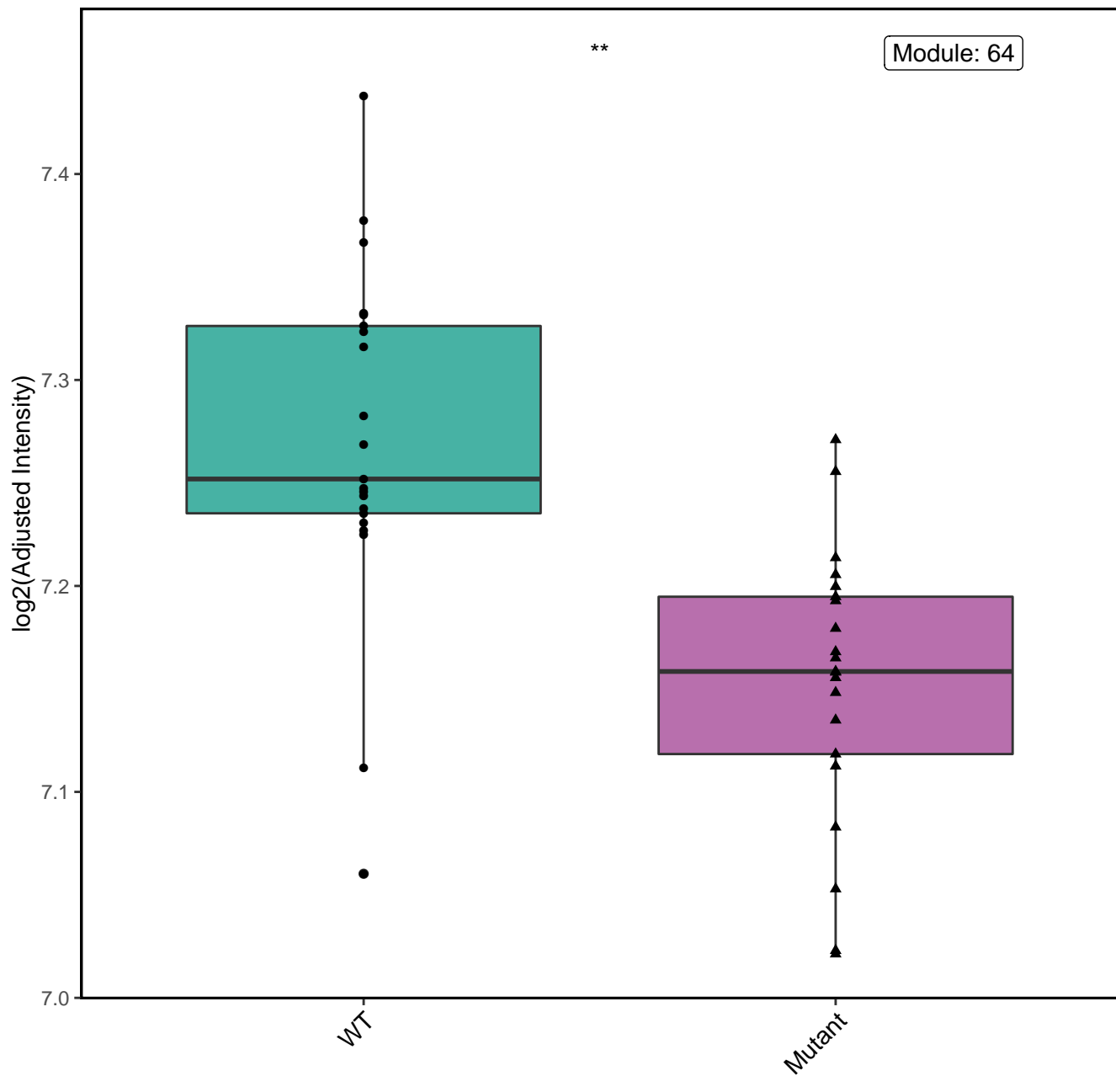
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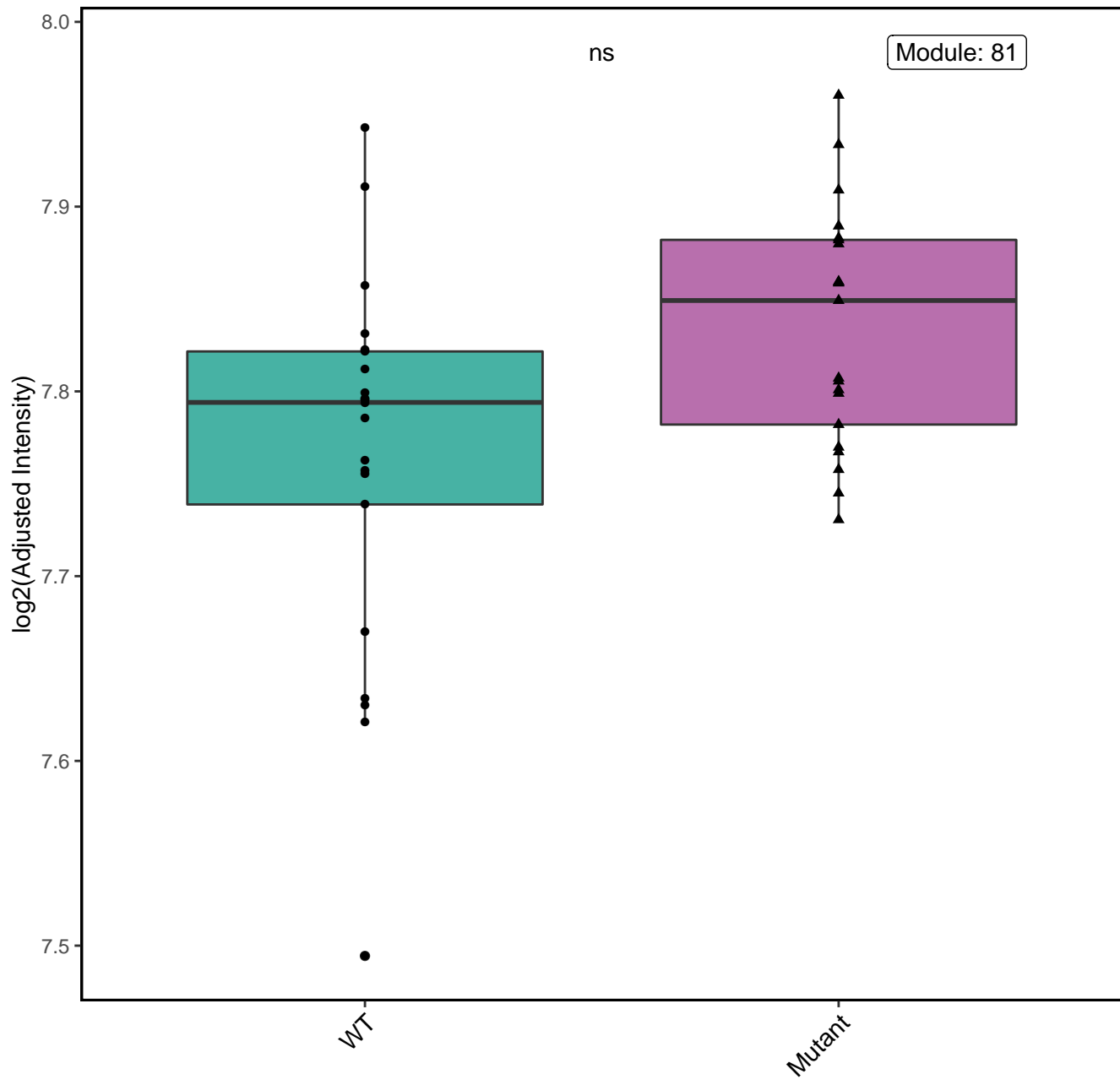
WT

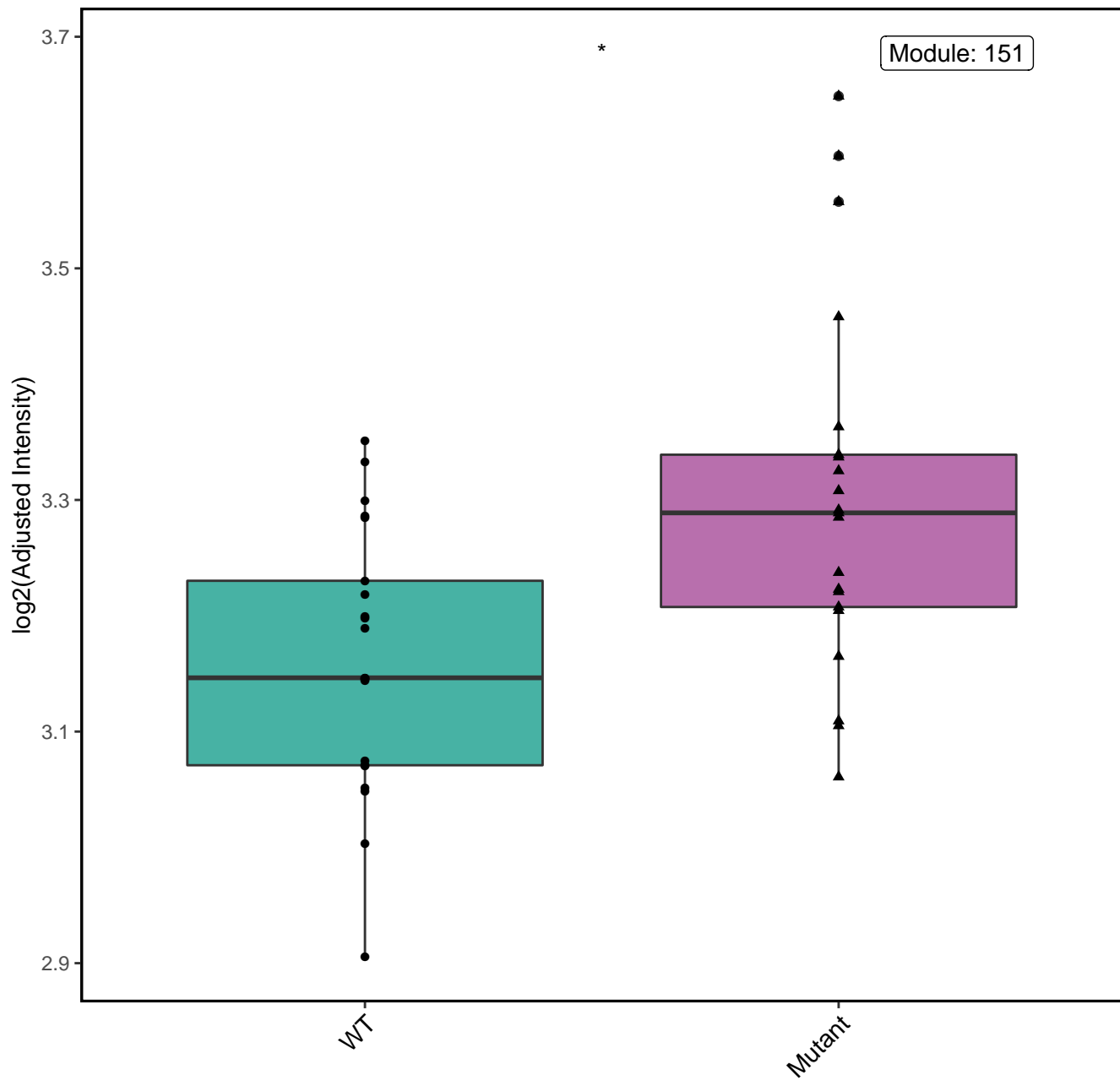
Mutant

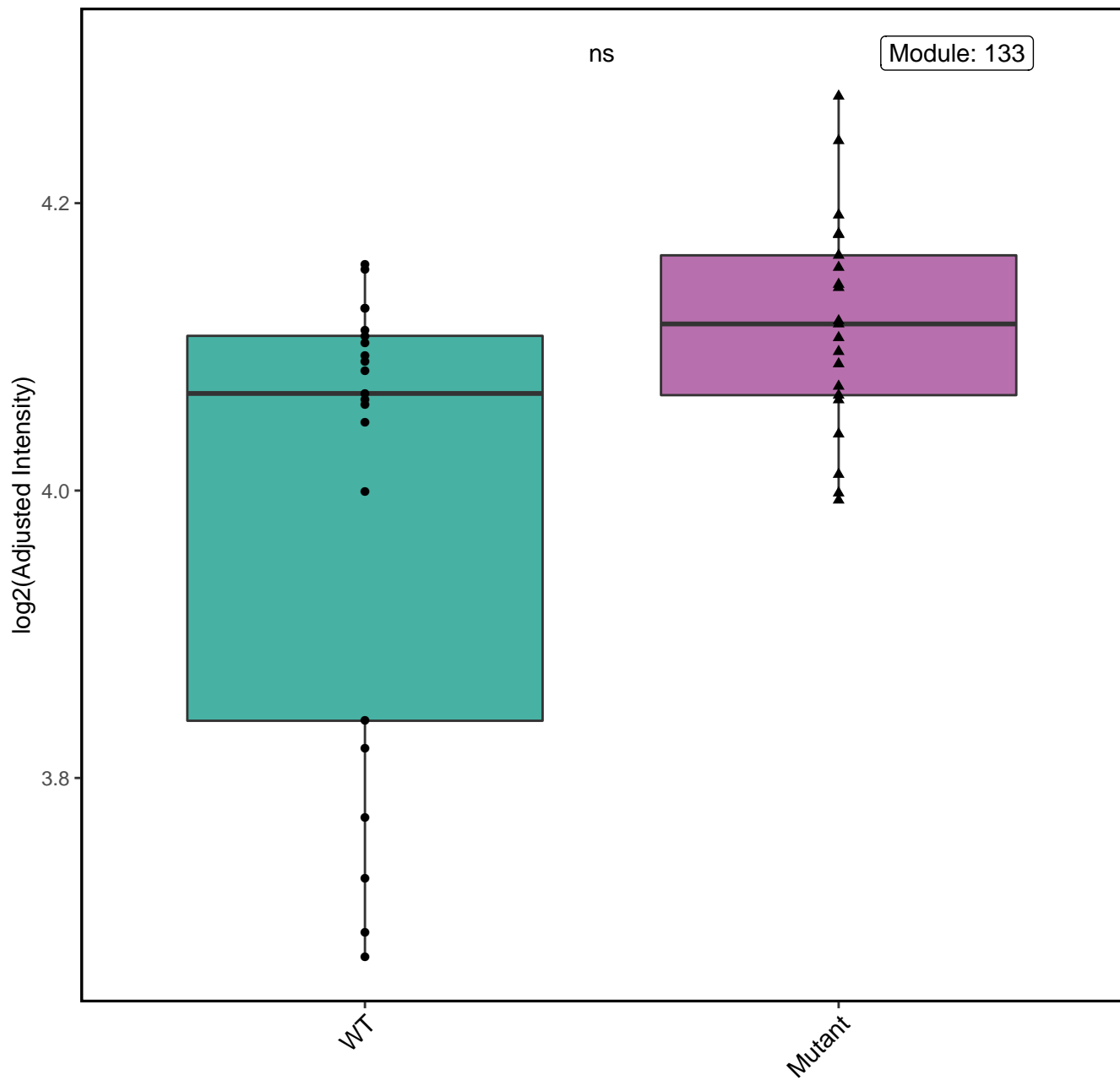


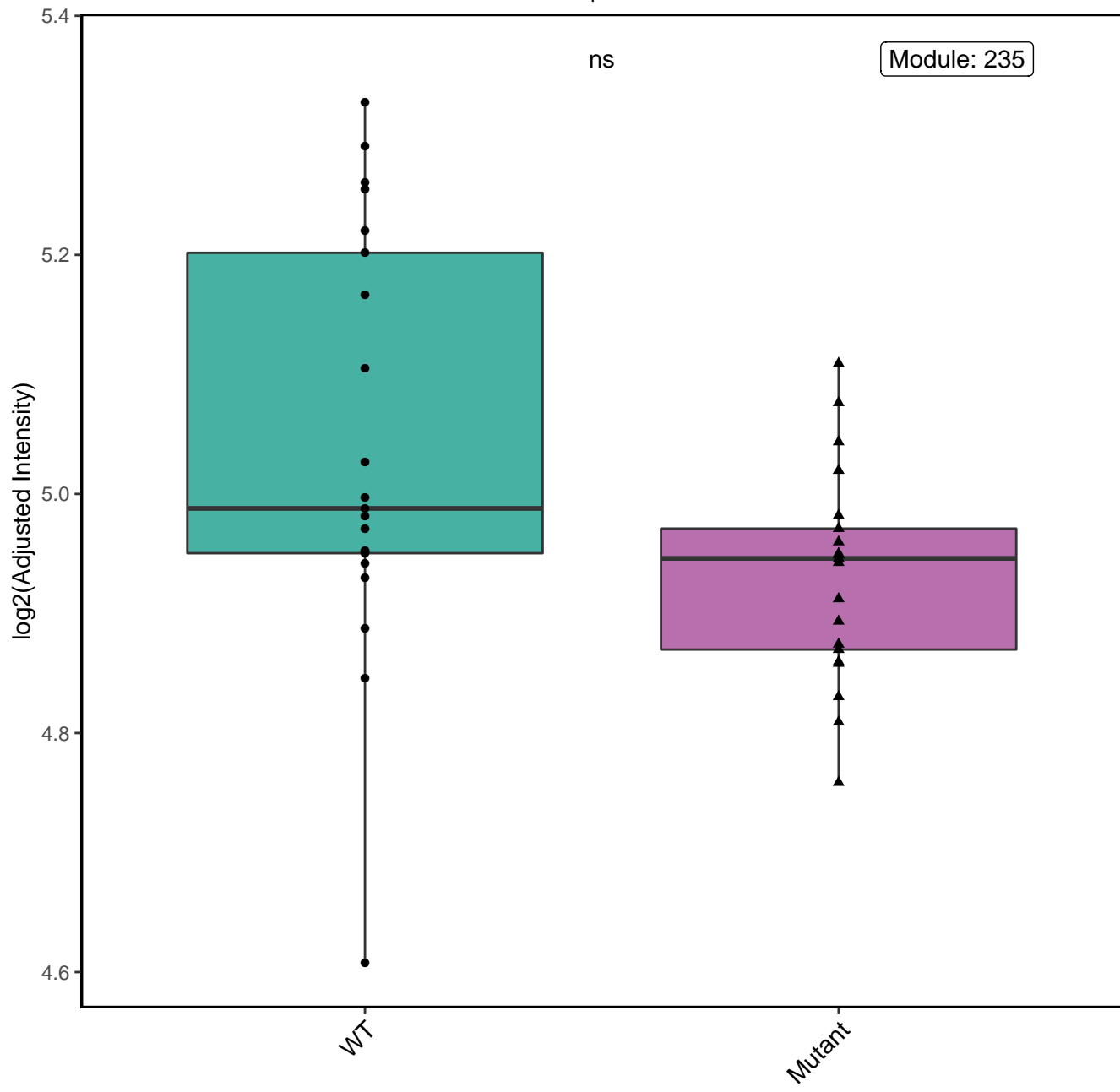




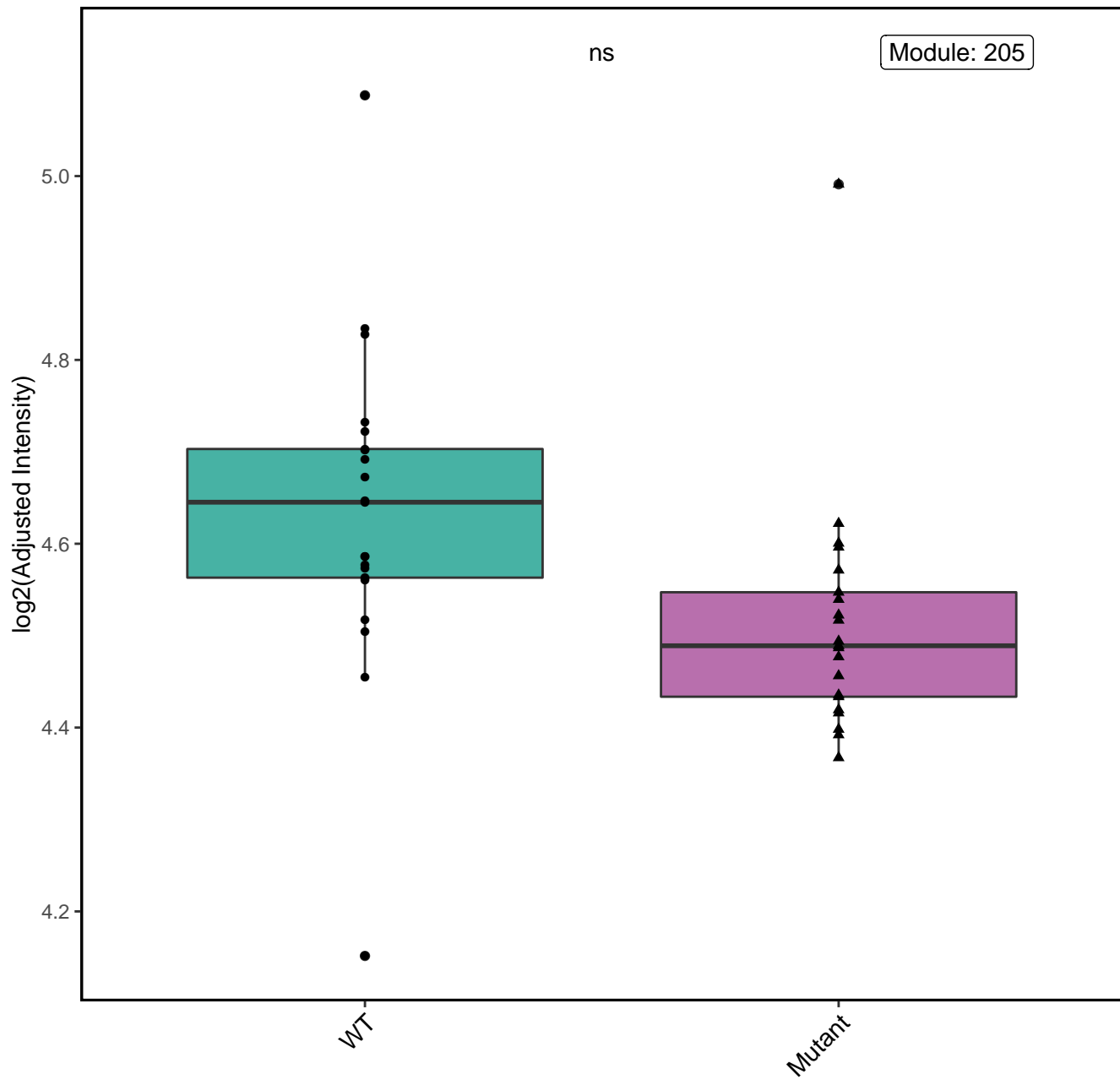


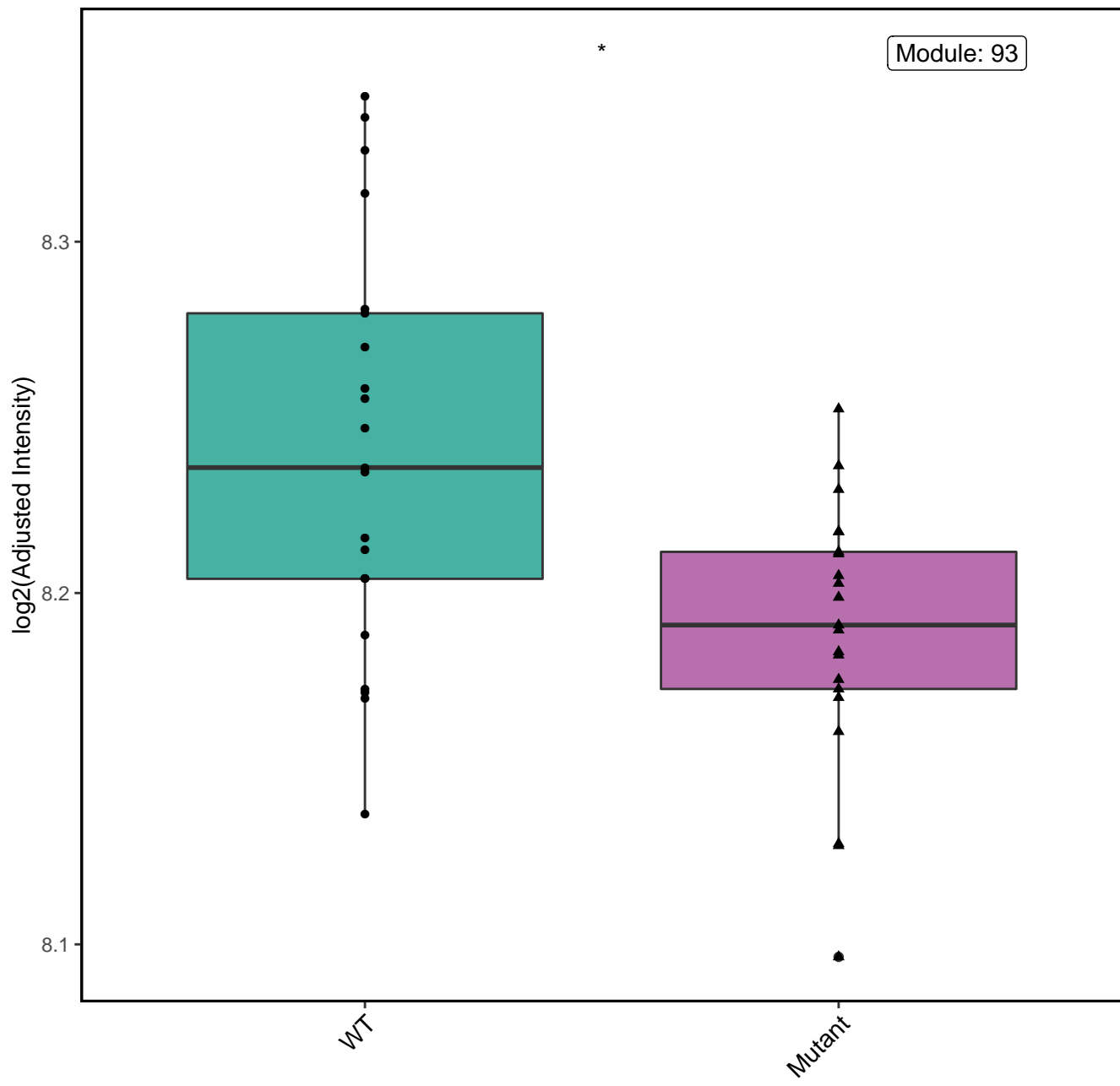


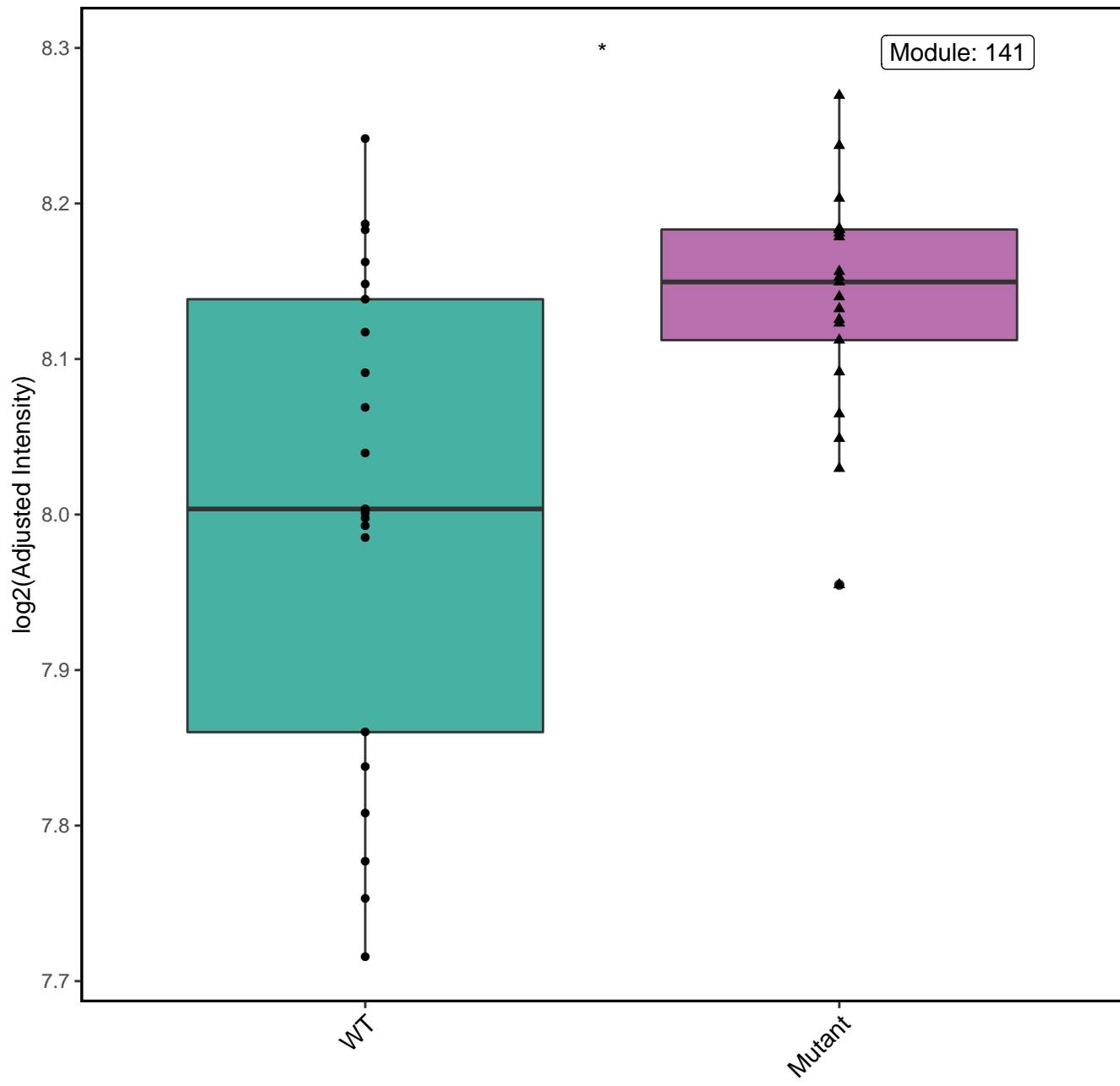


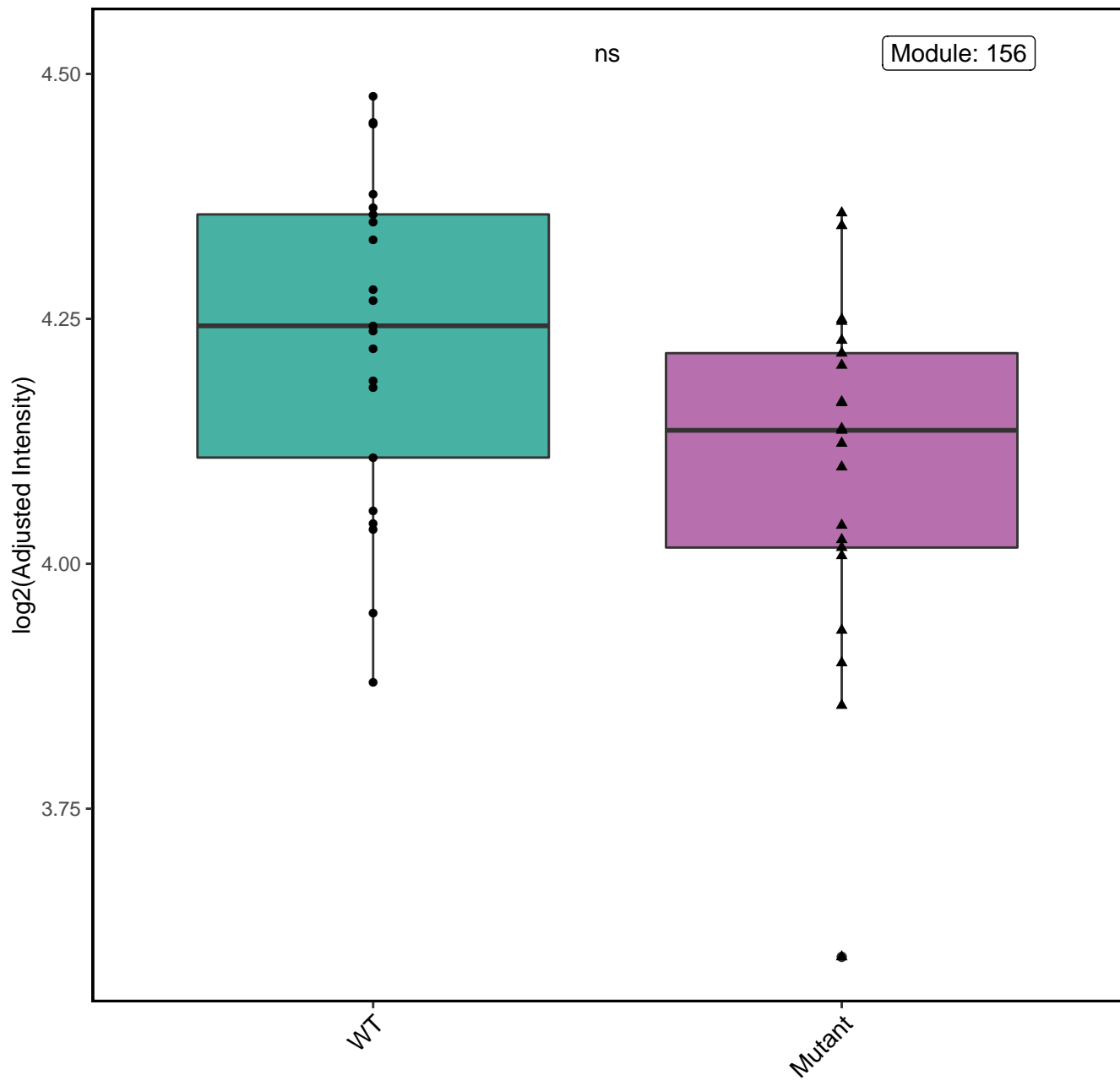


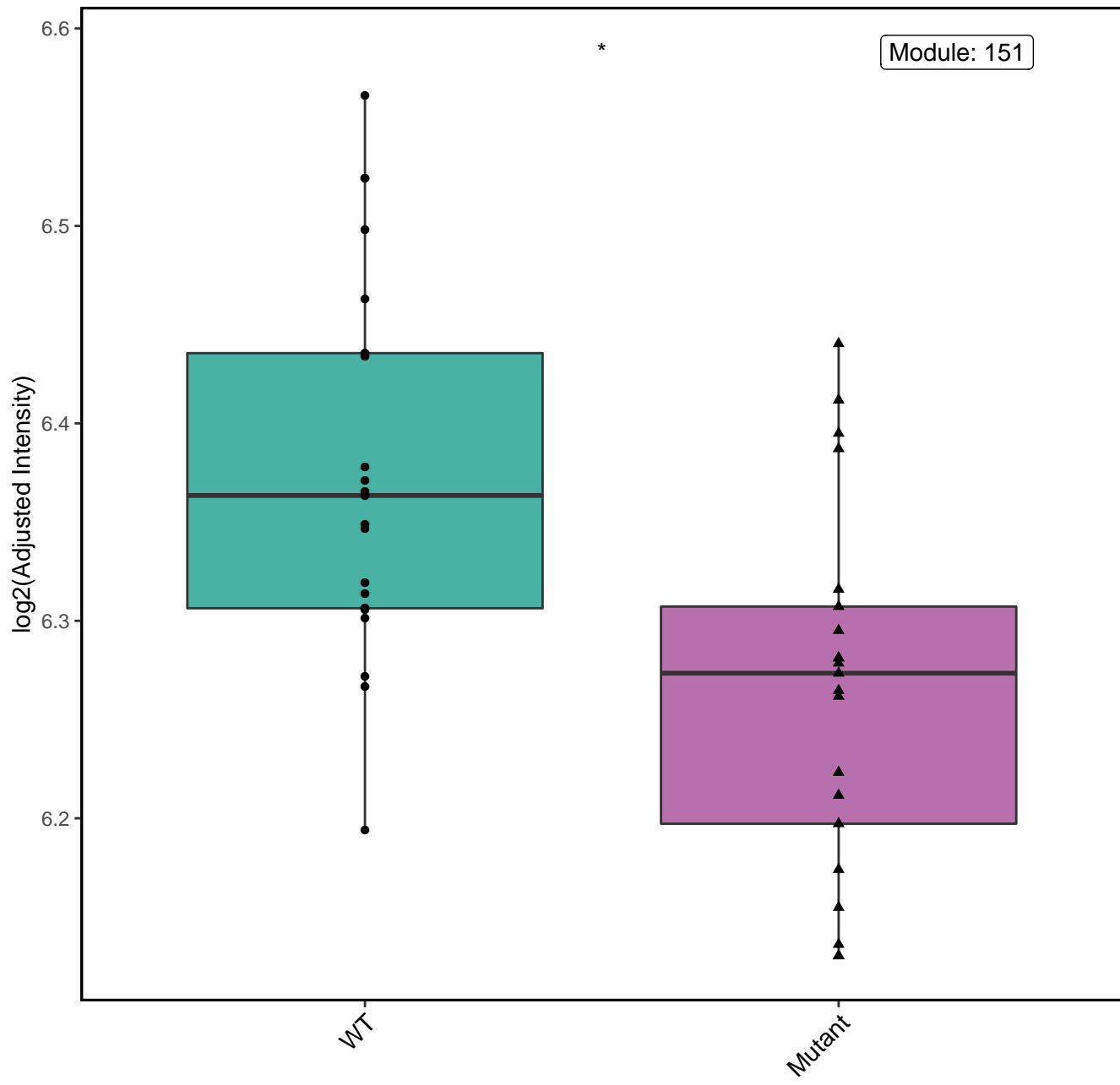


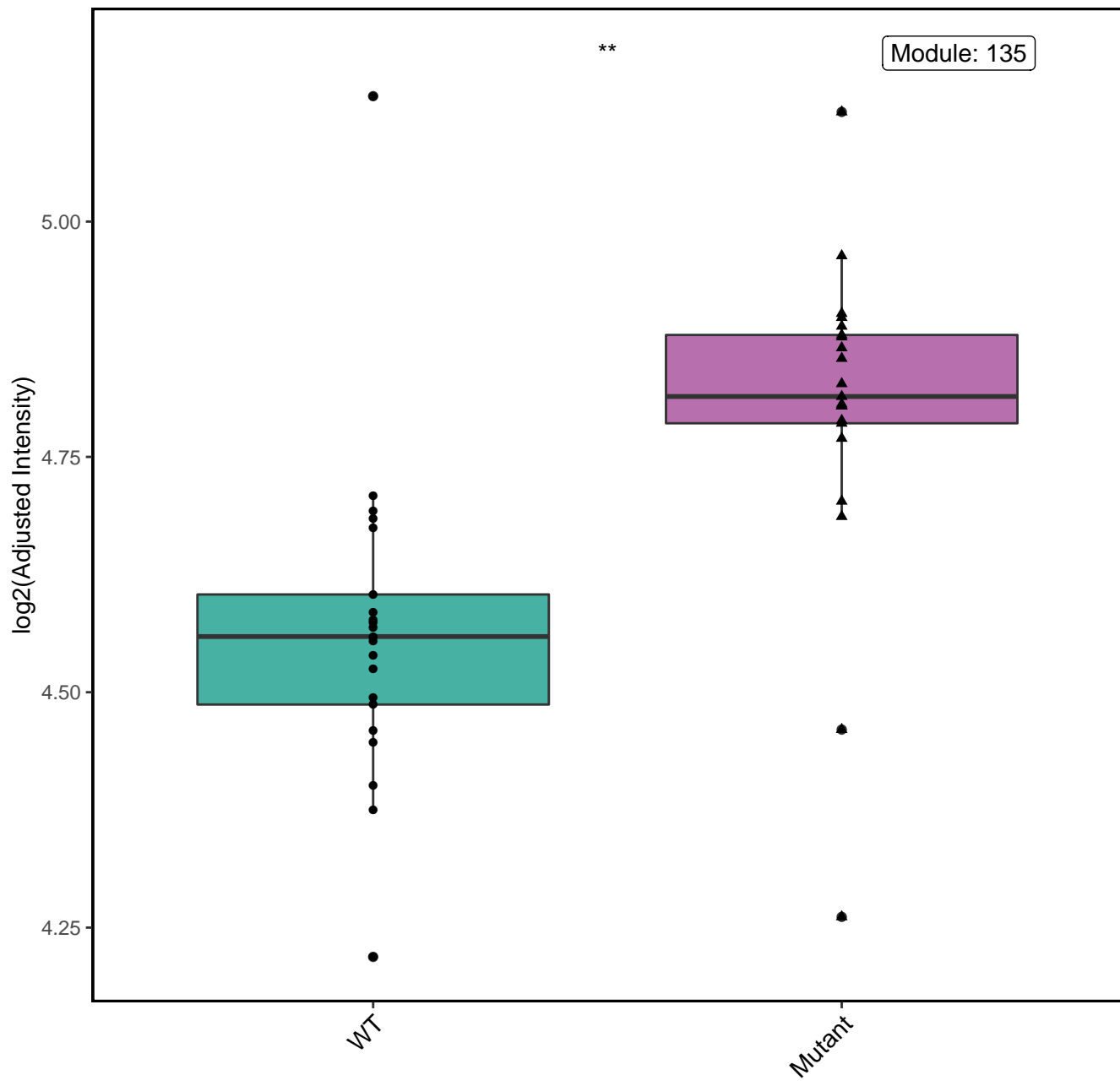


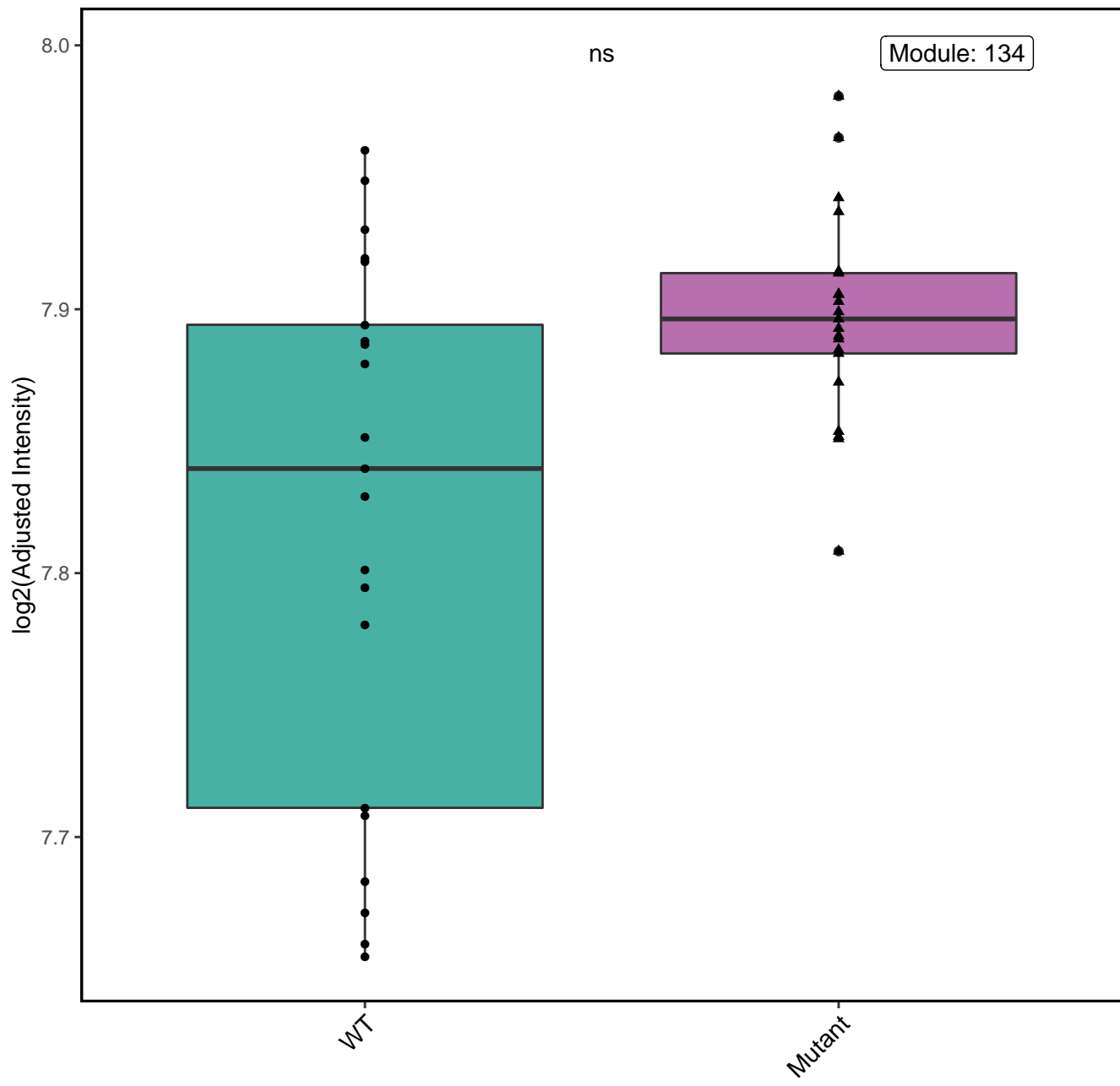


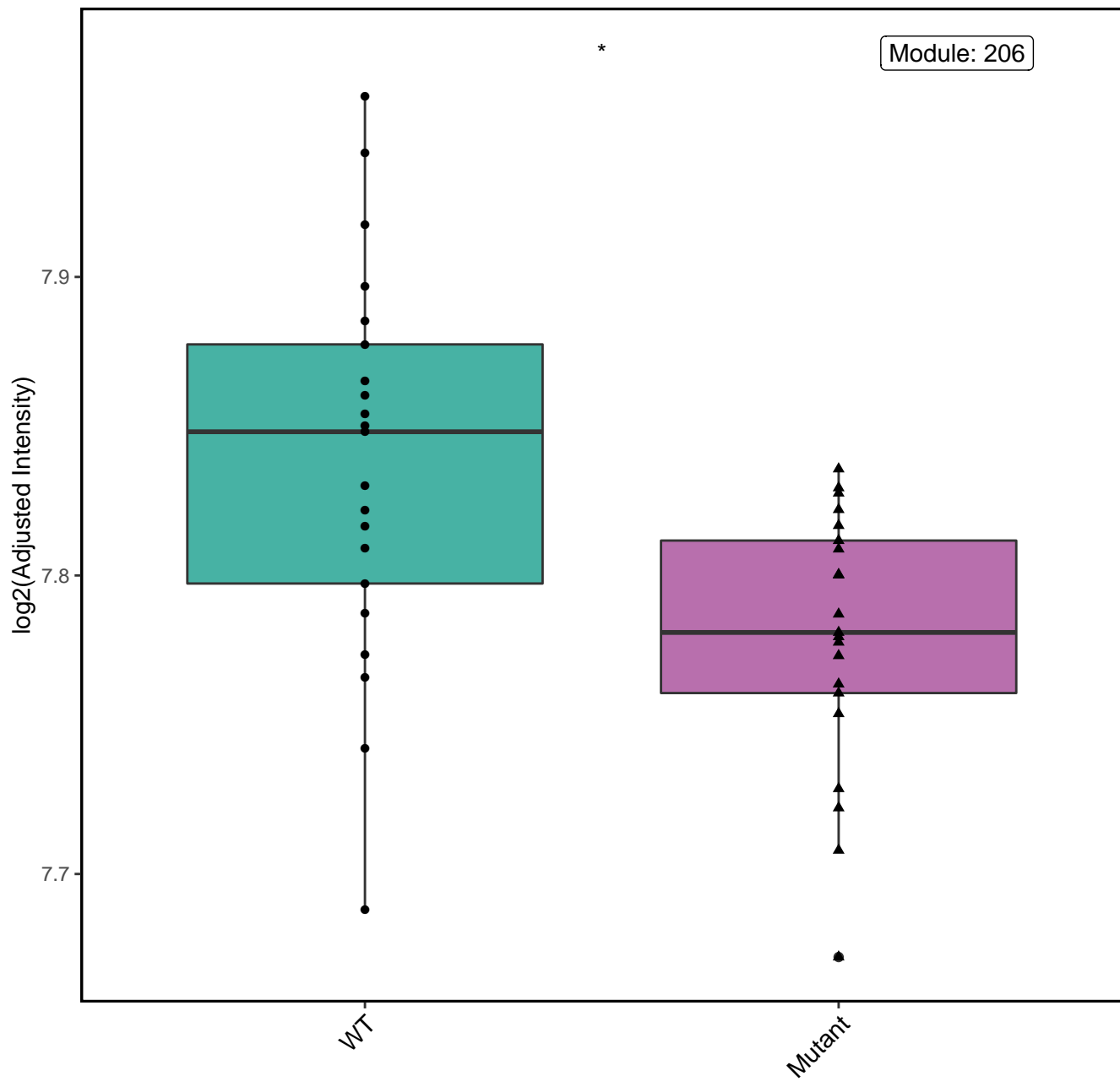




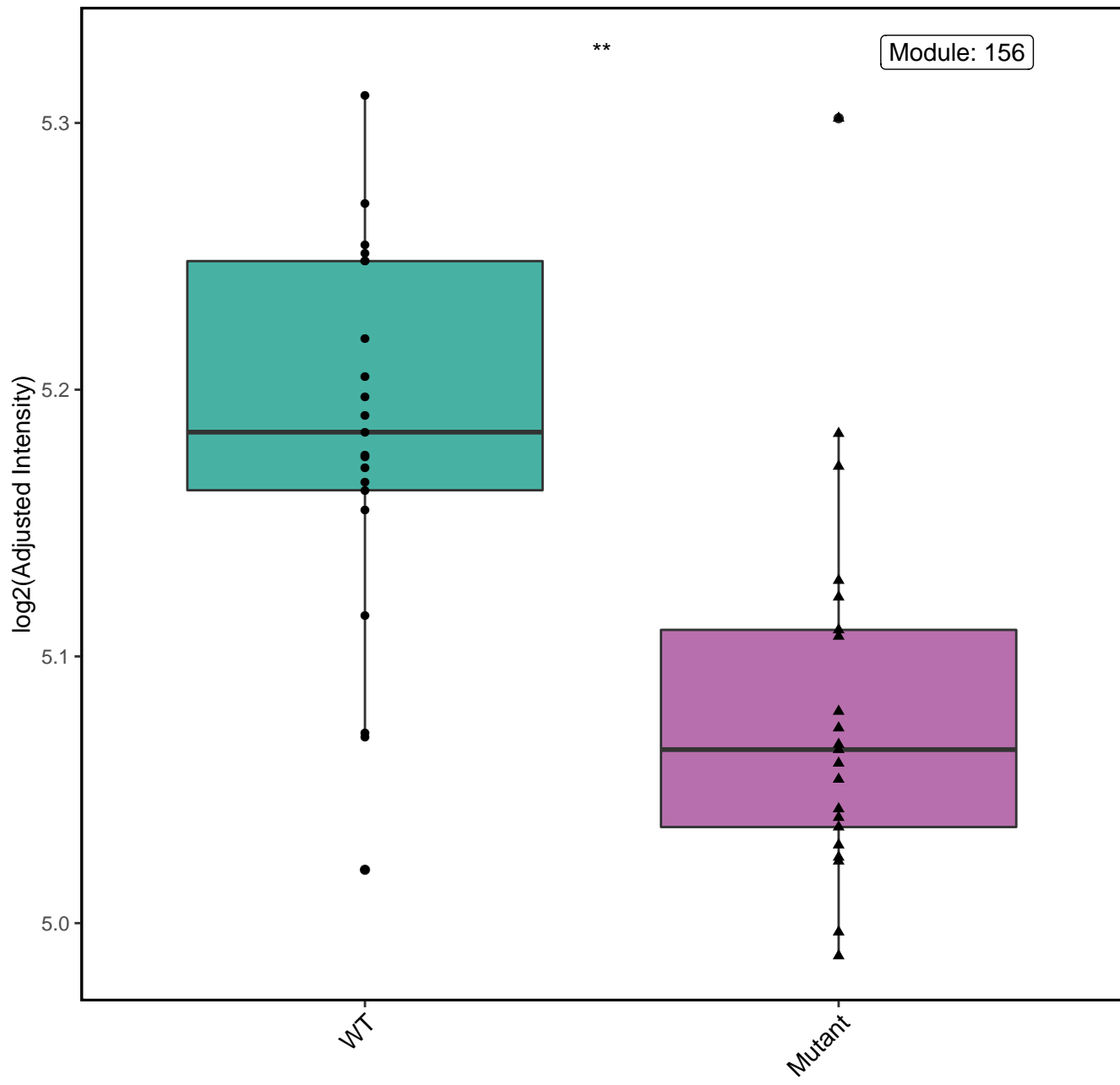


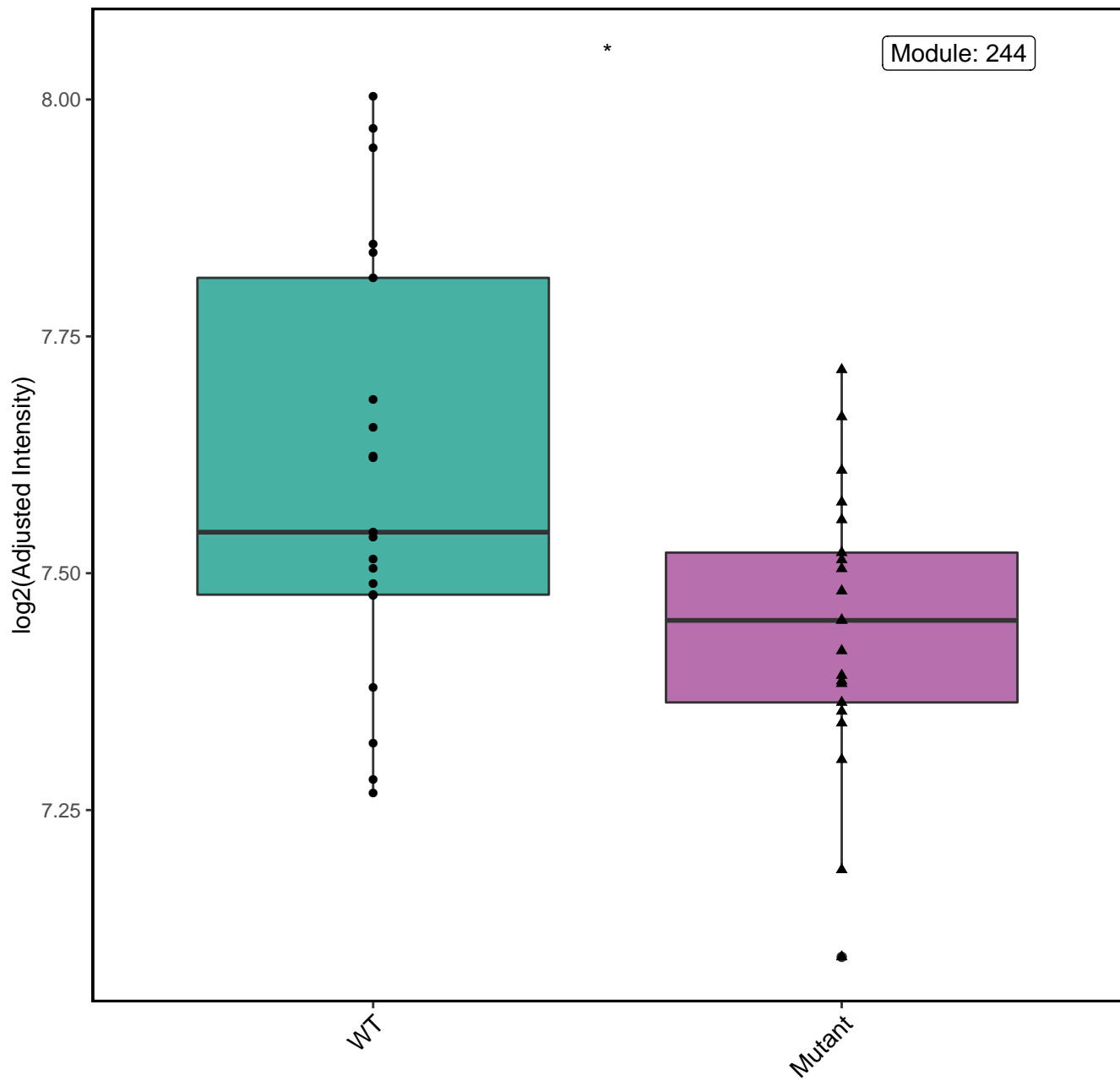


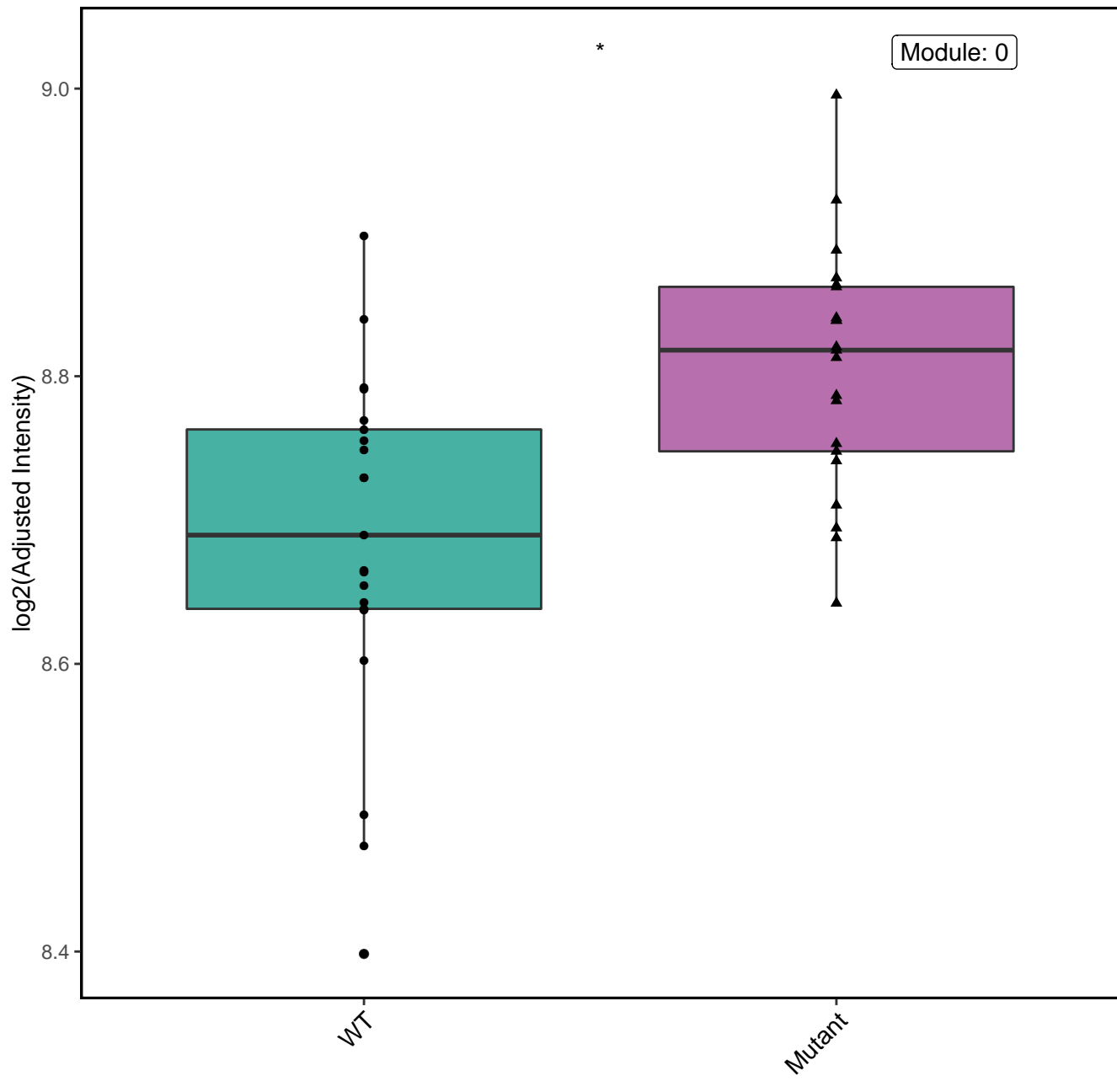


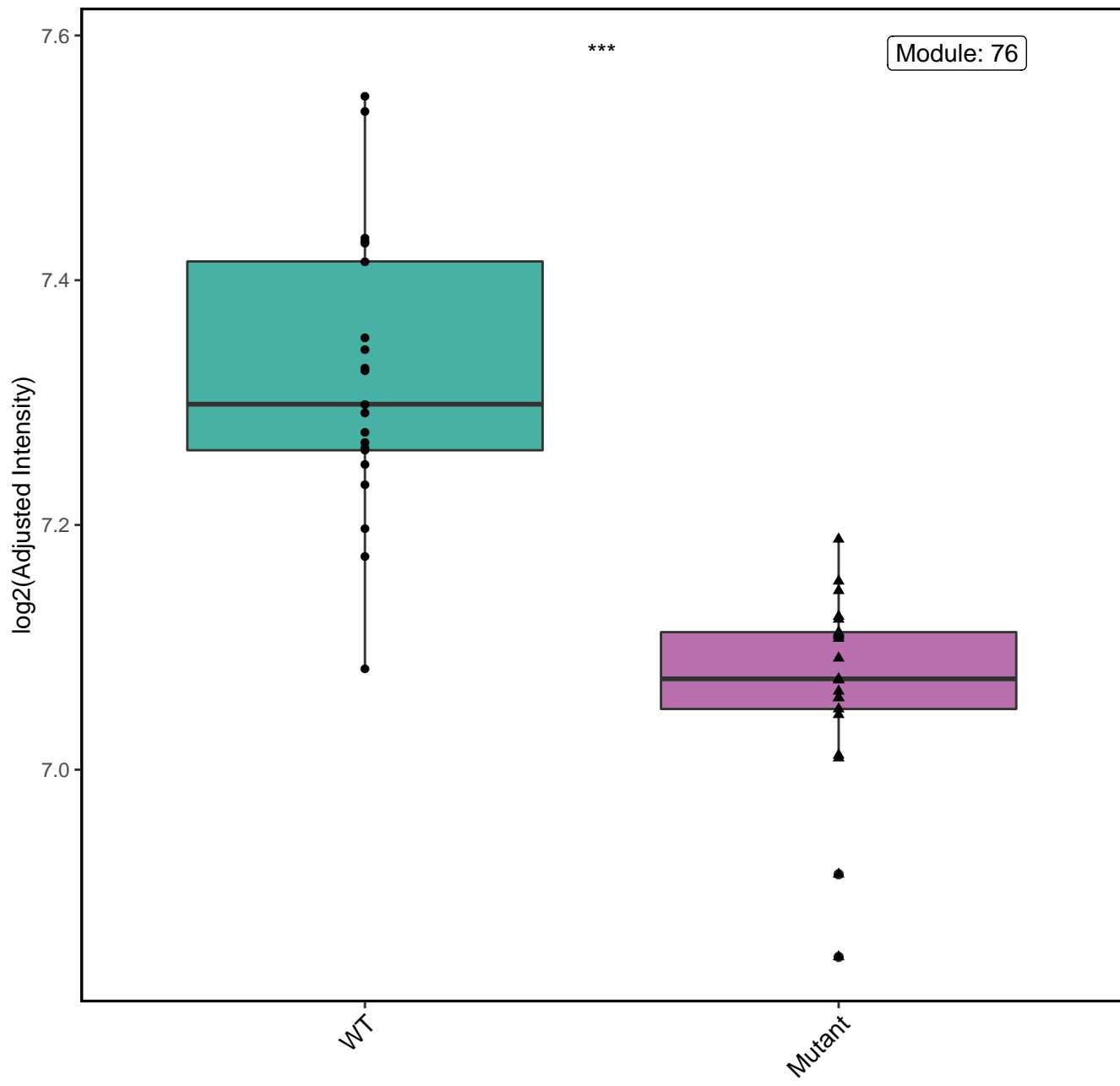


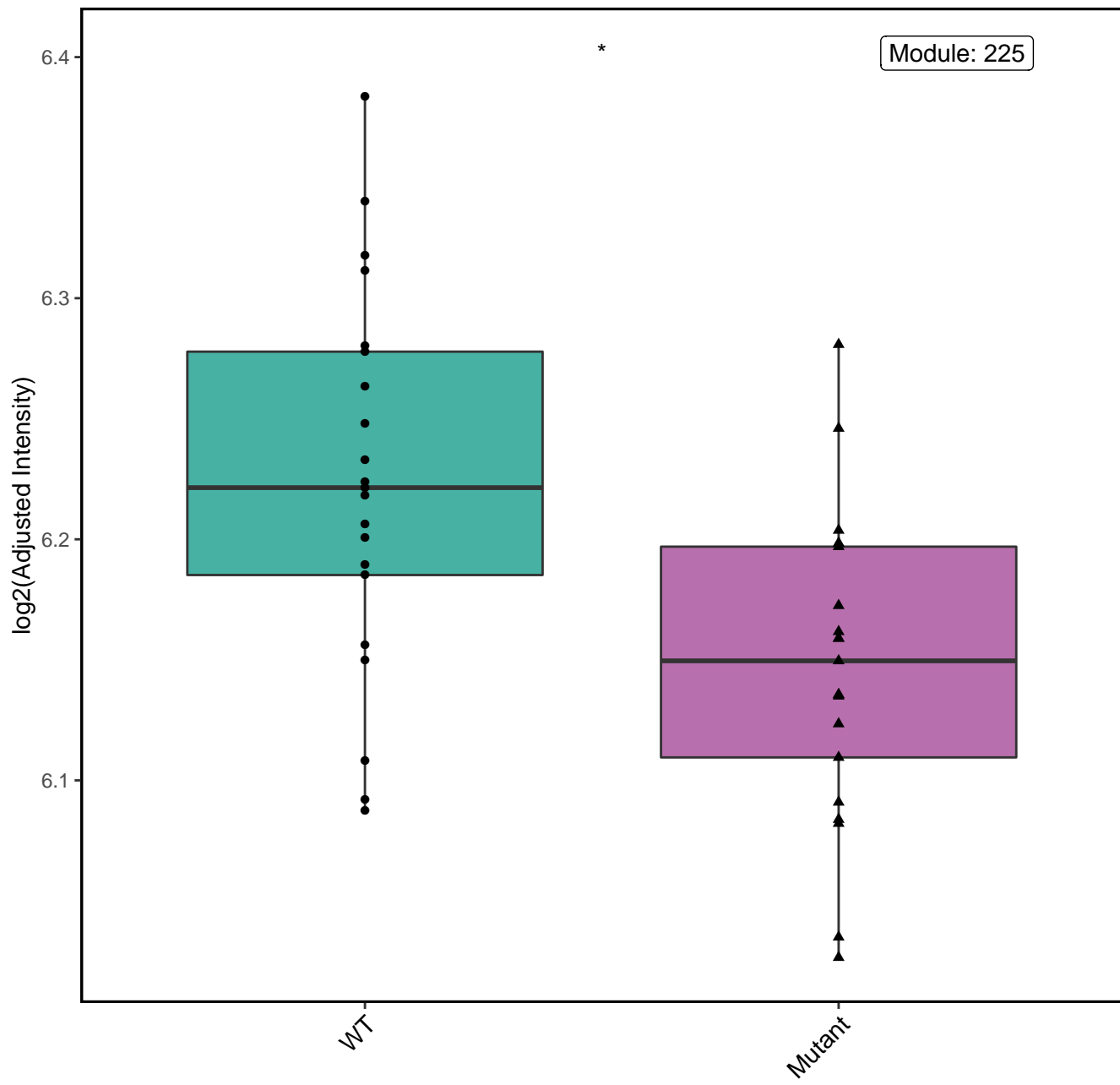












log2(Adjusted Intensity)

7.9

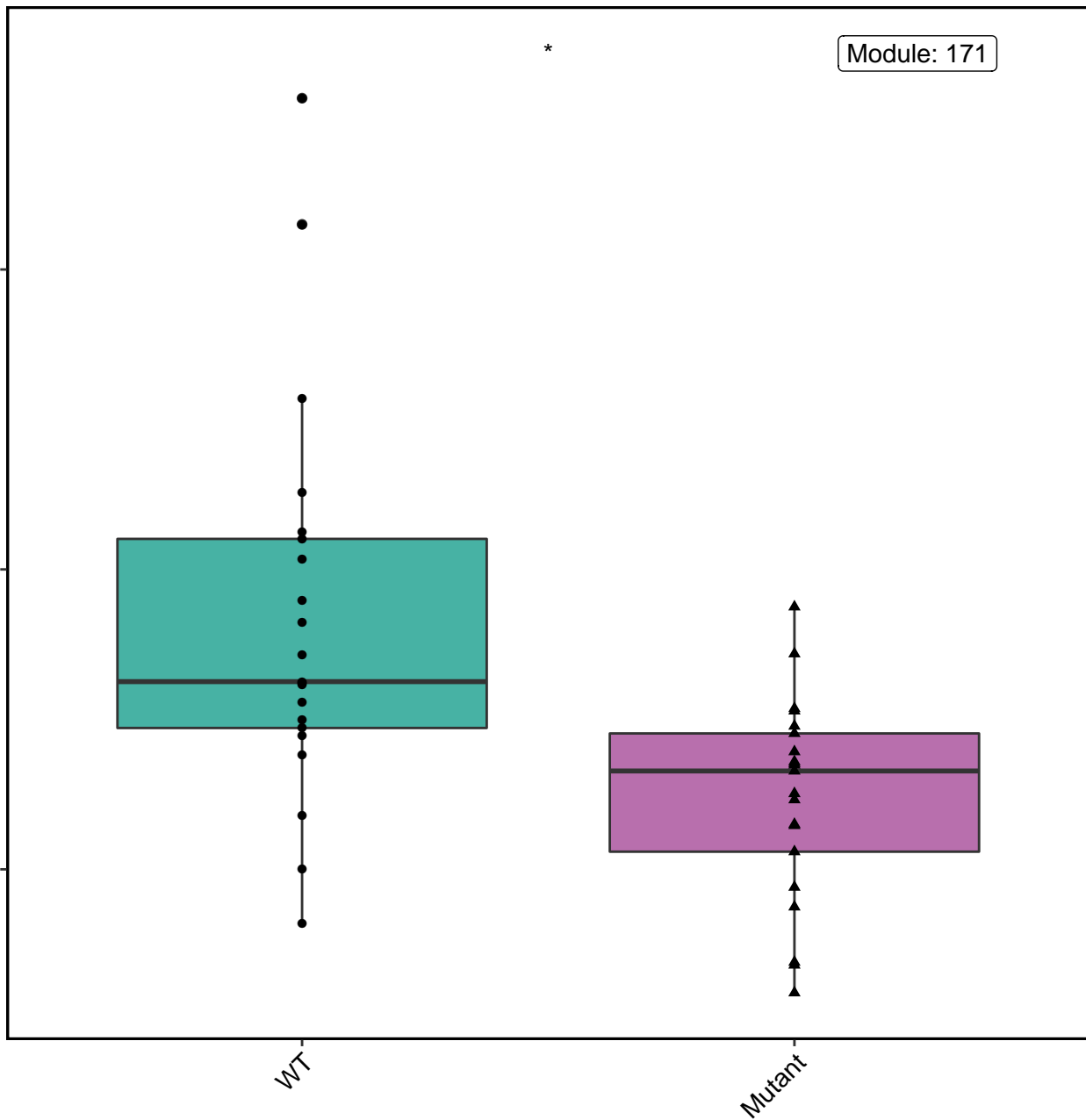
7.8

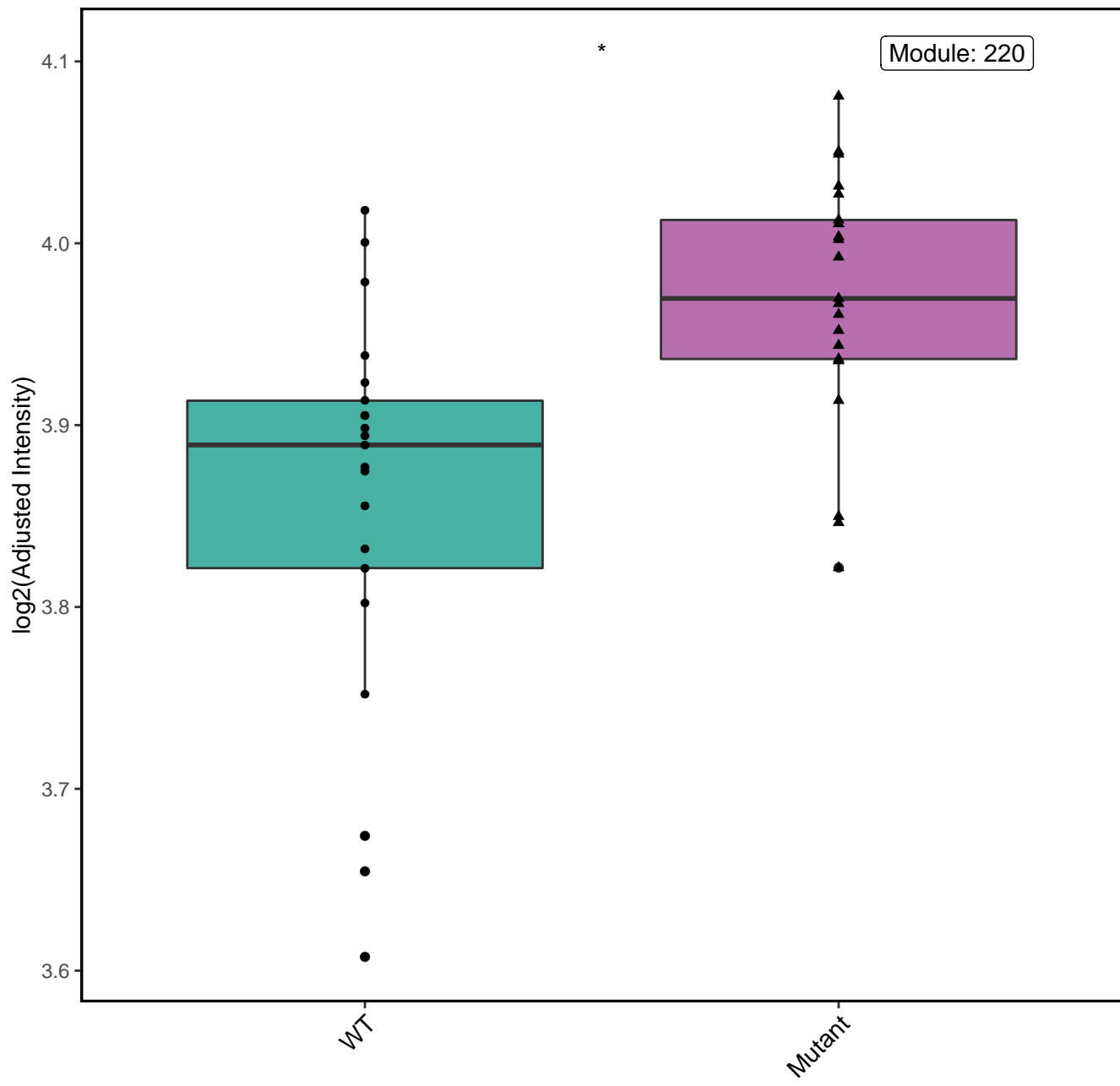
7.7

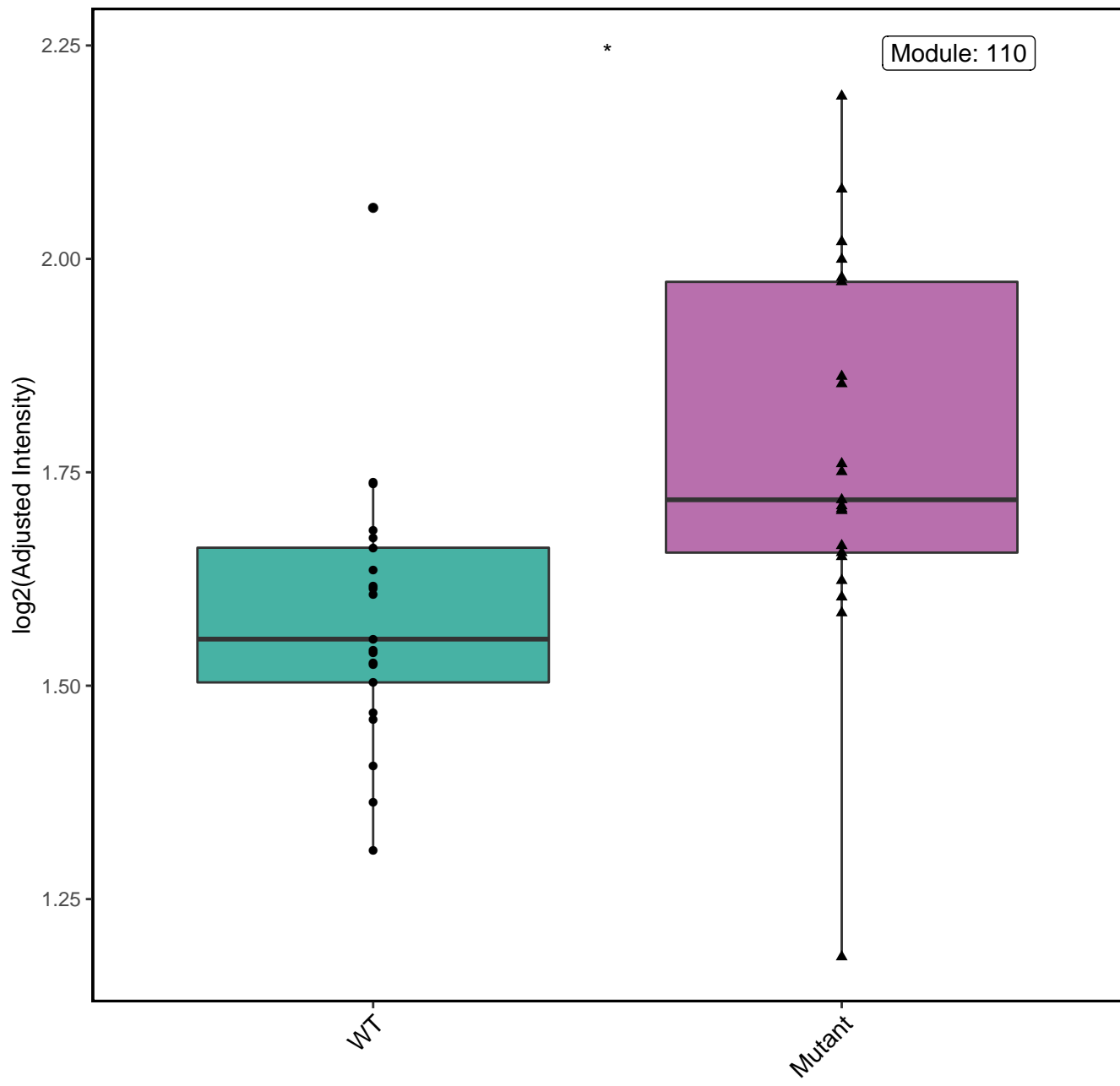
WT

Mutant

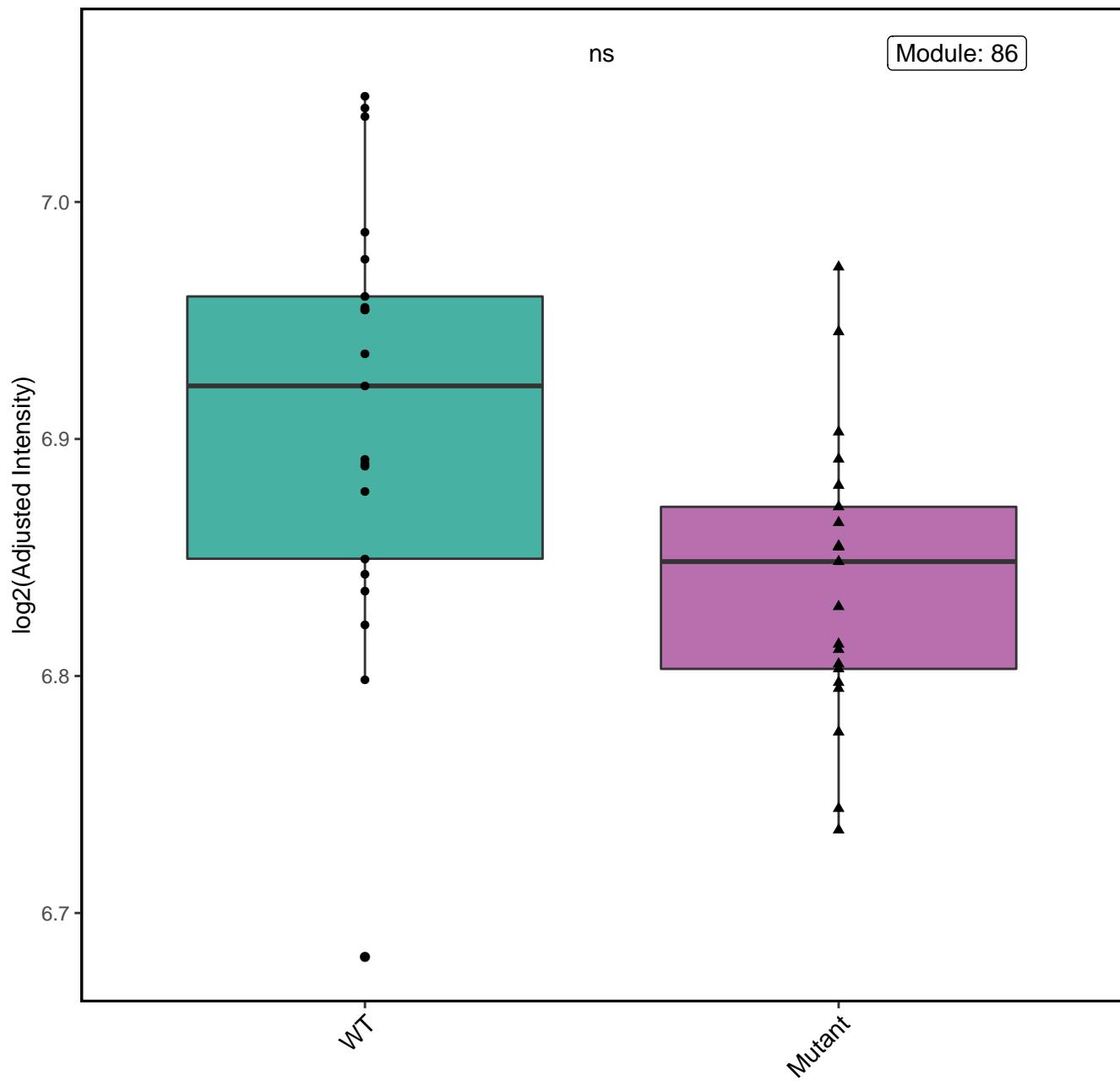
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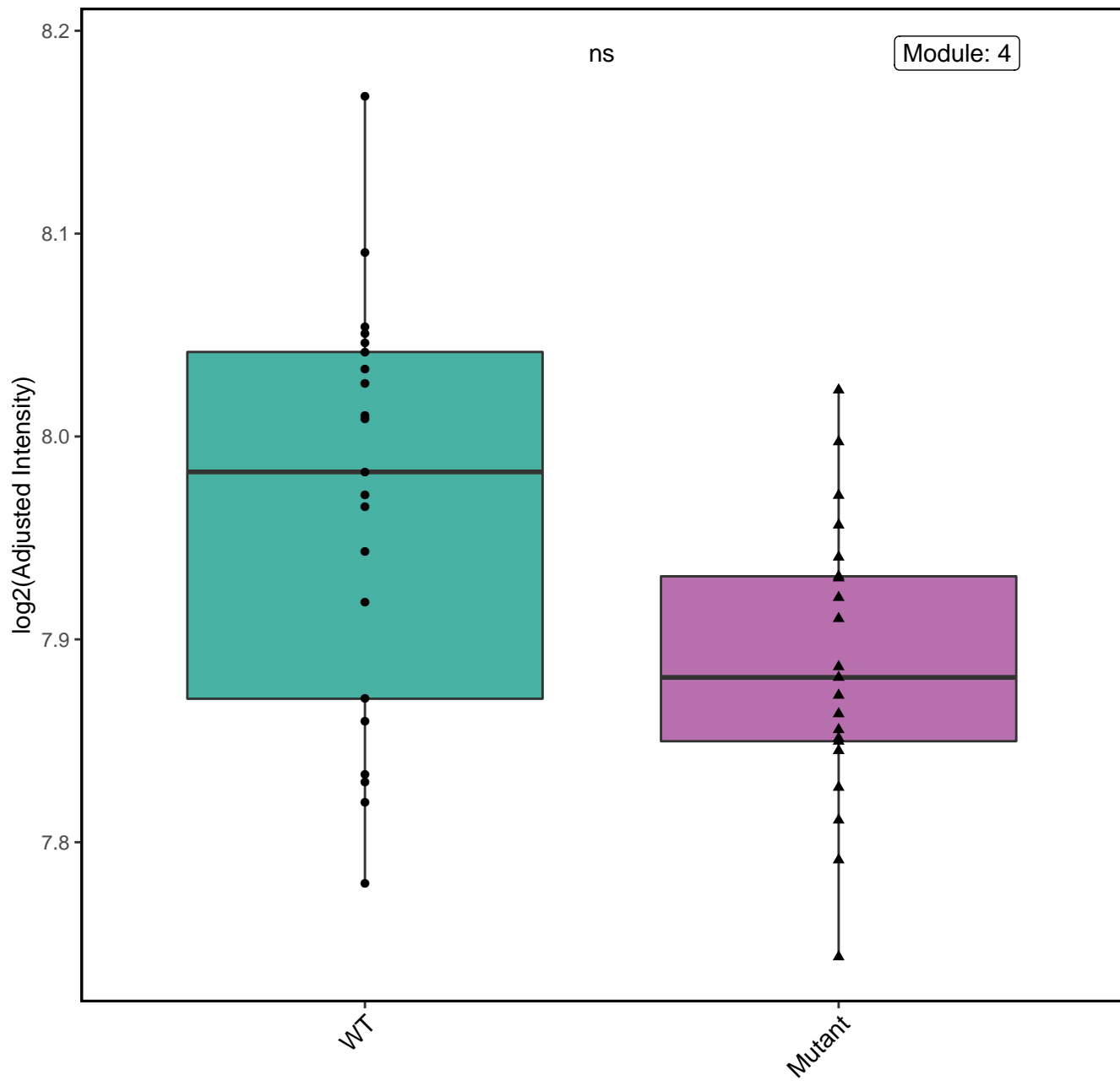


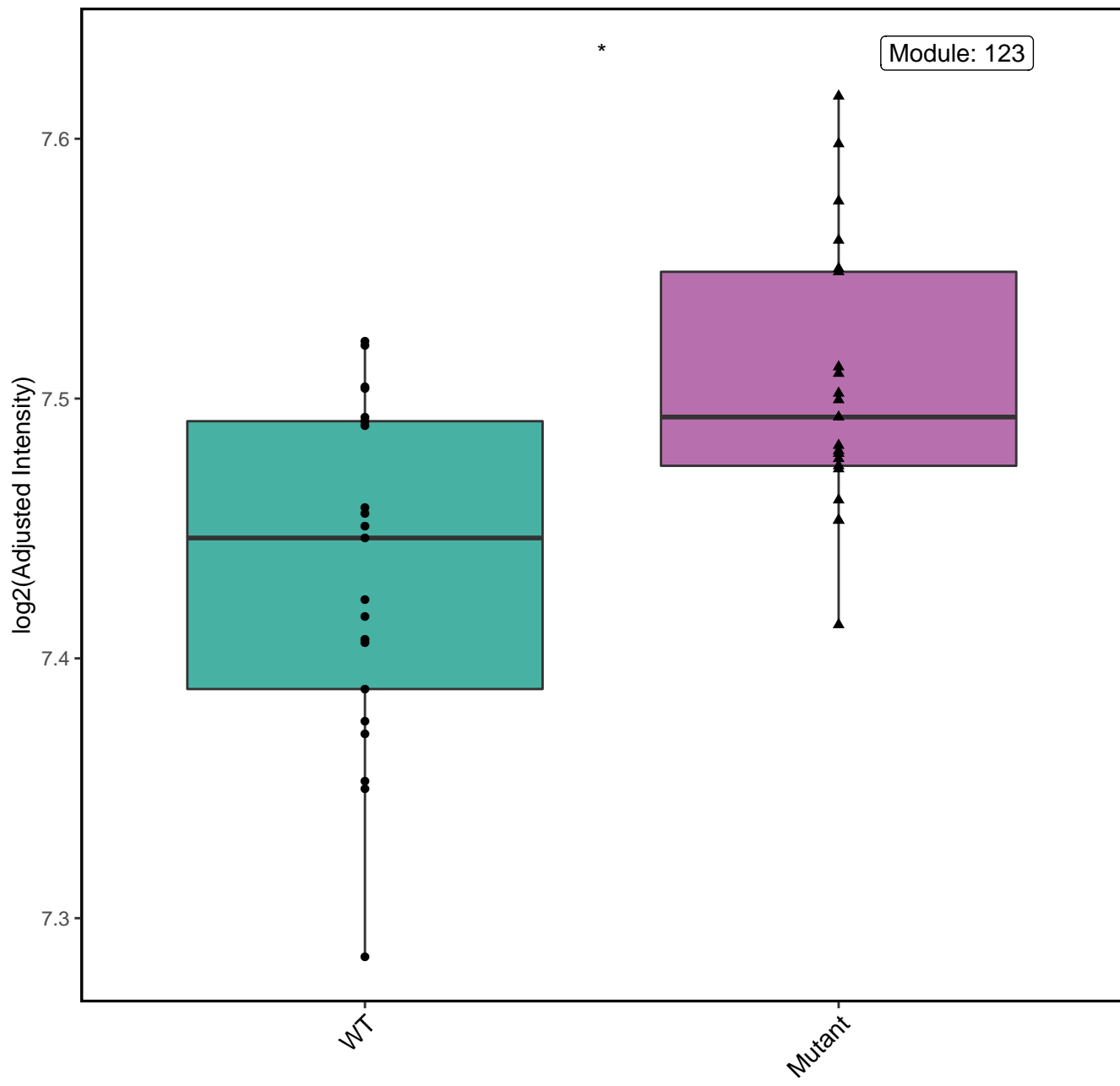


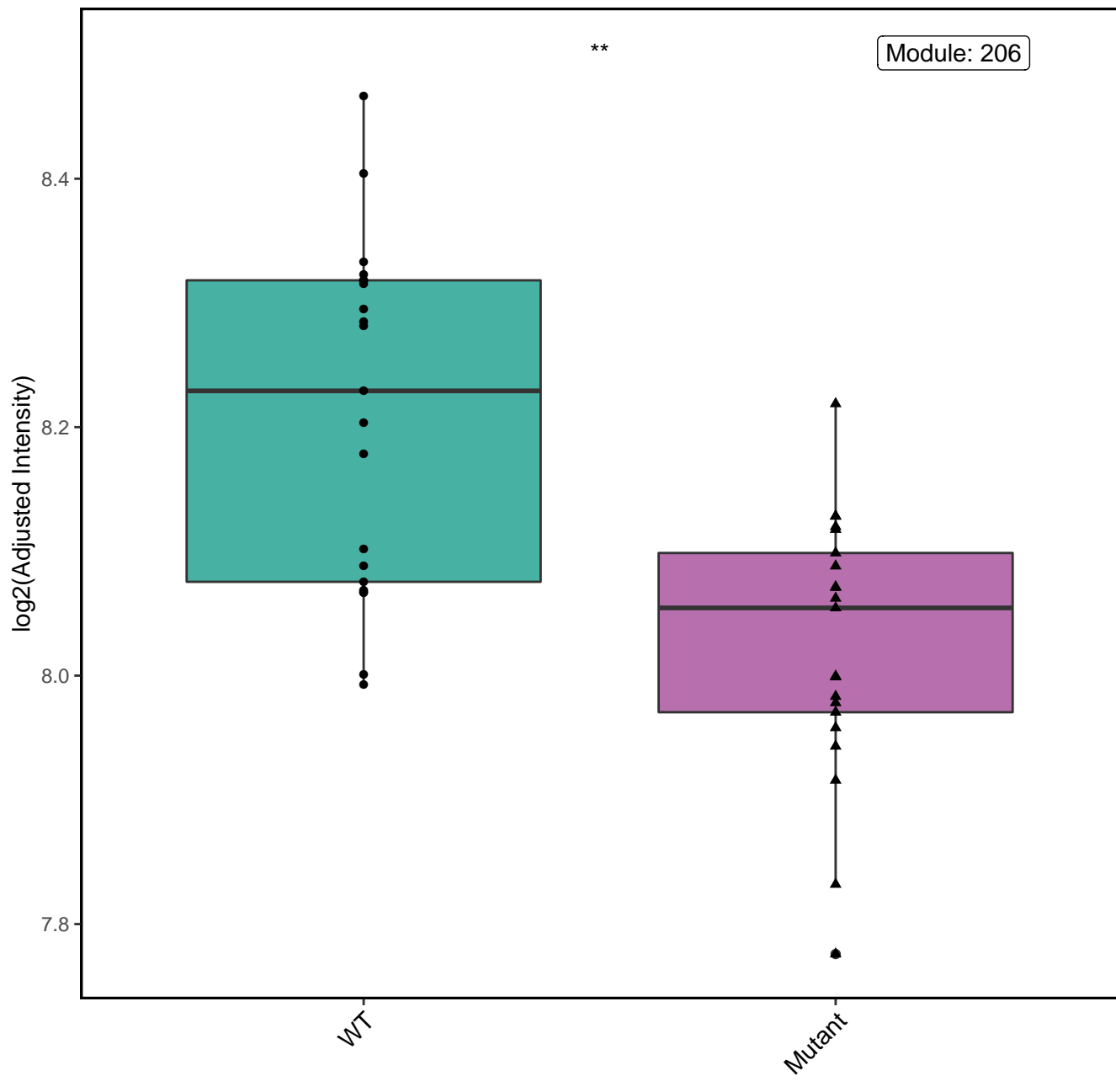


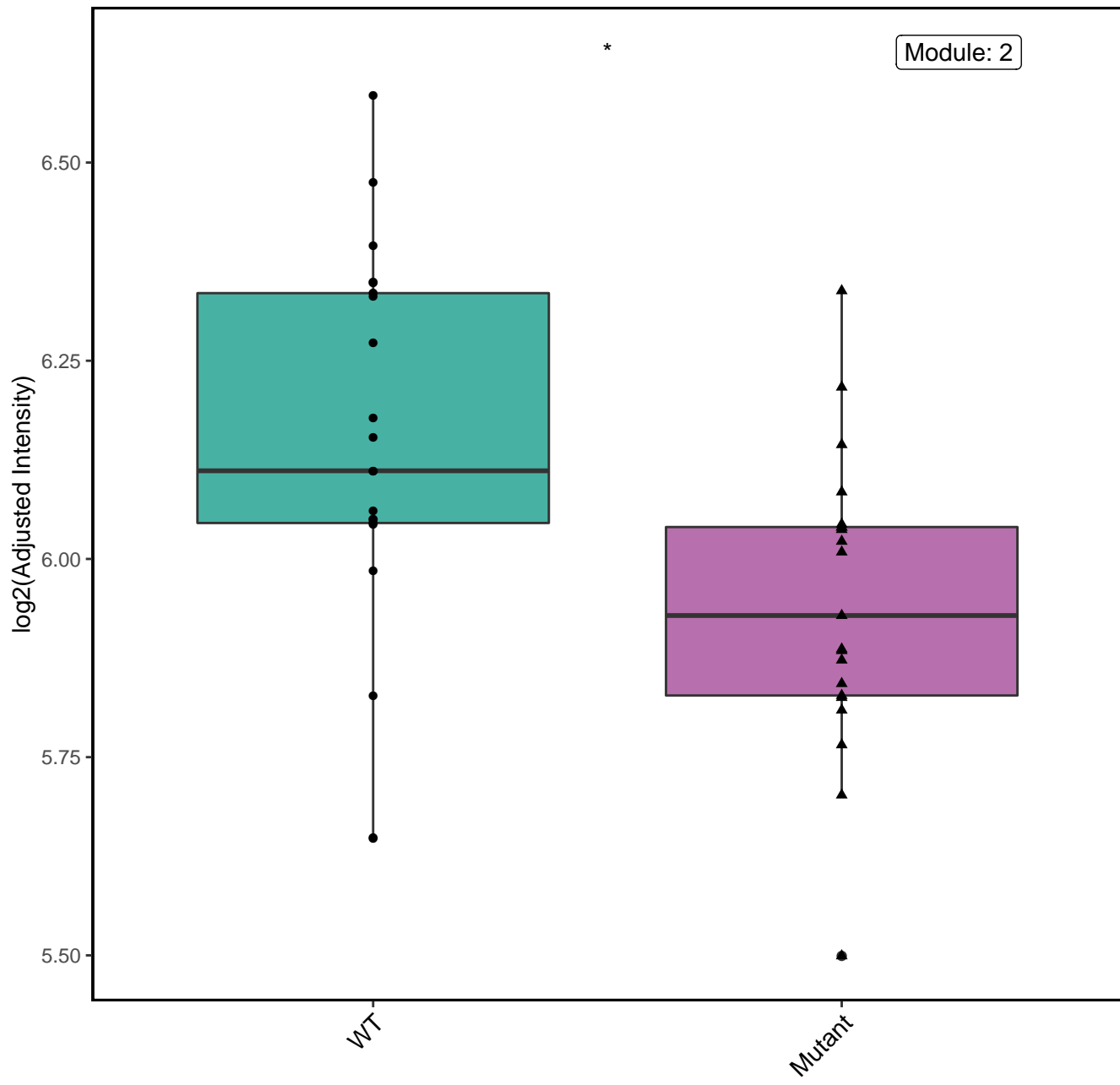


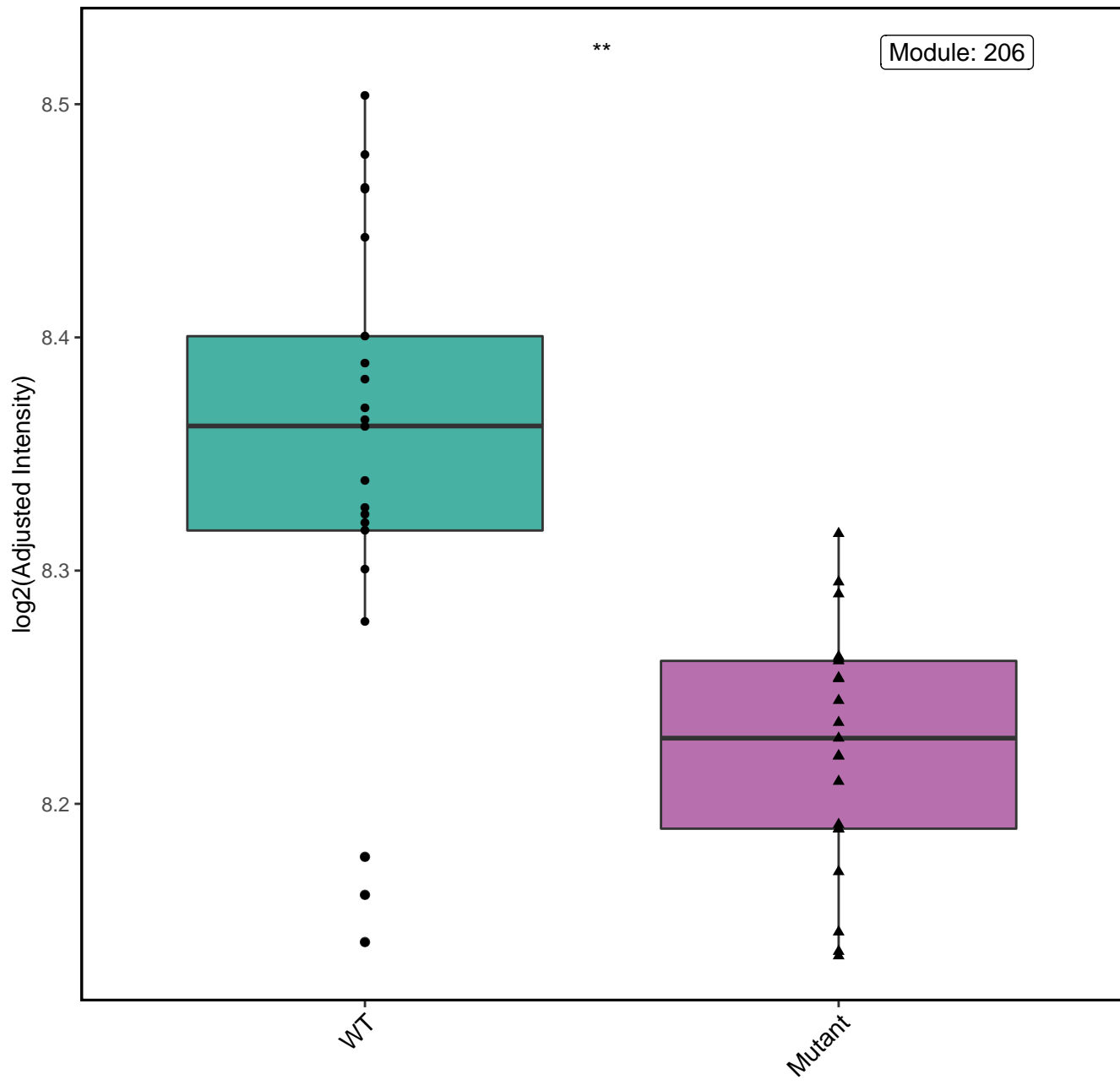


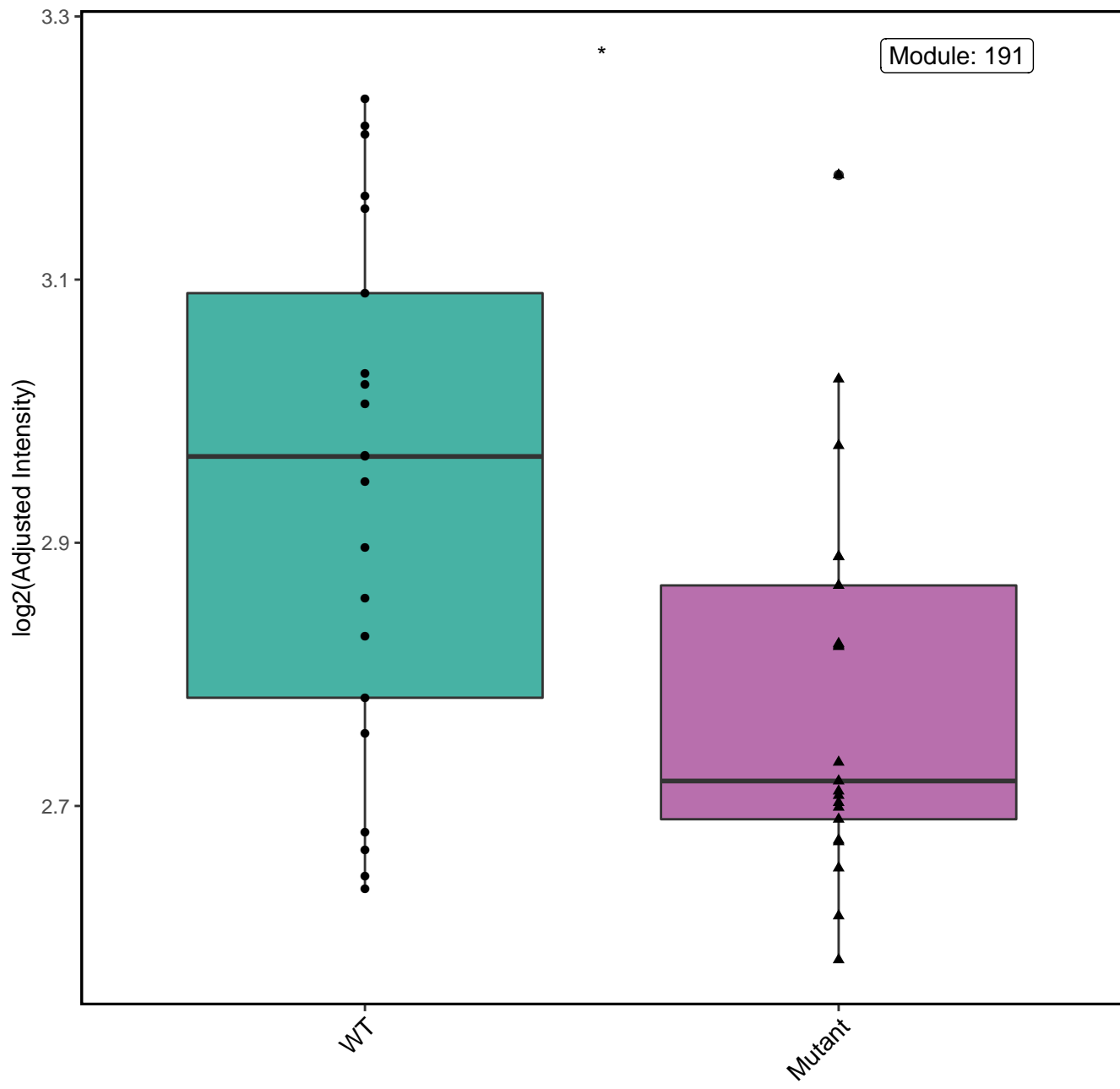


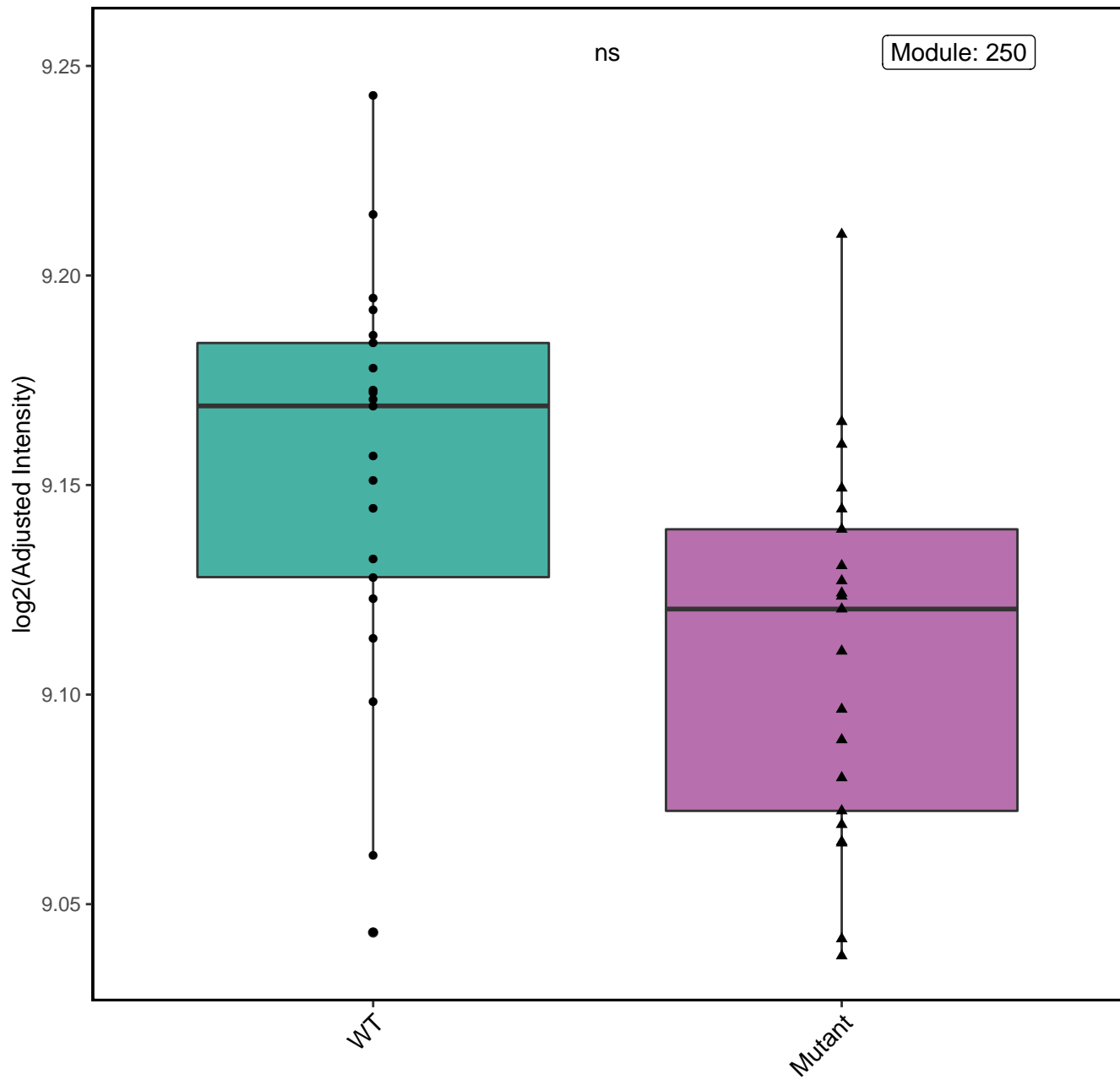




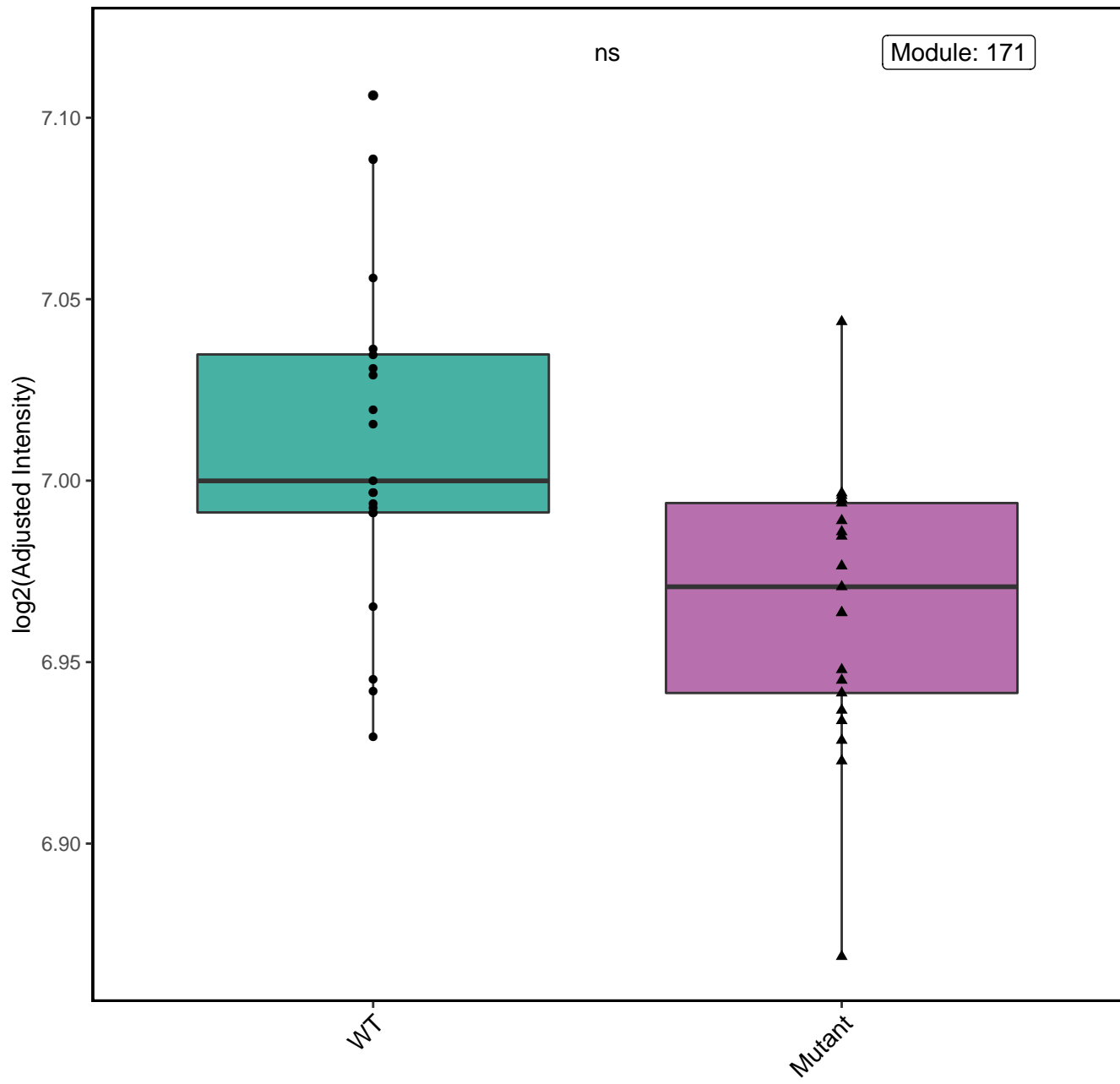


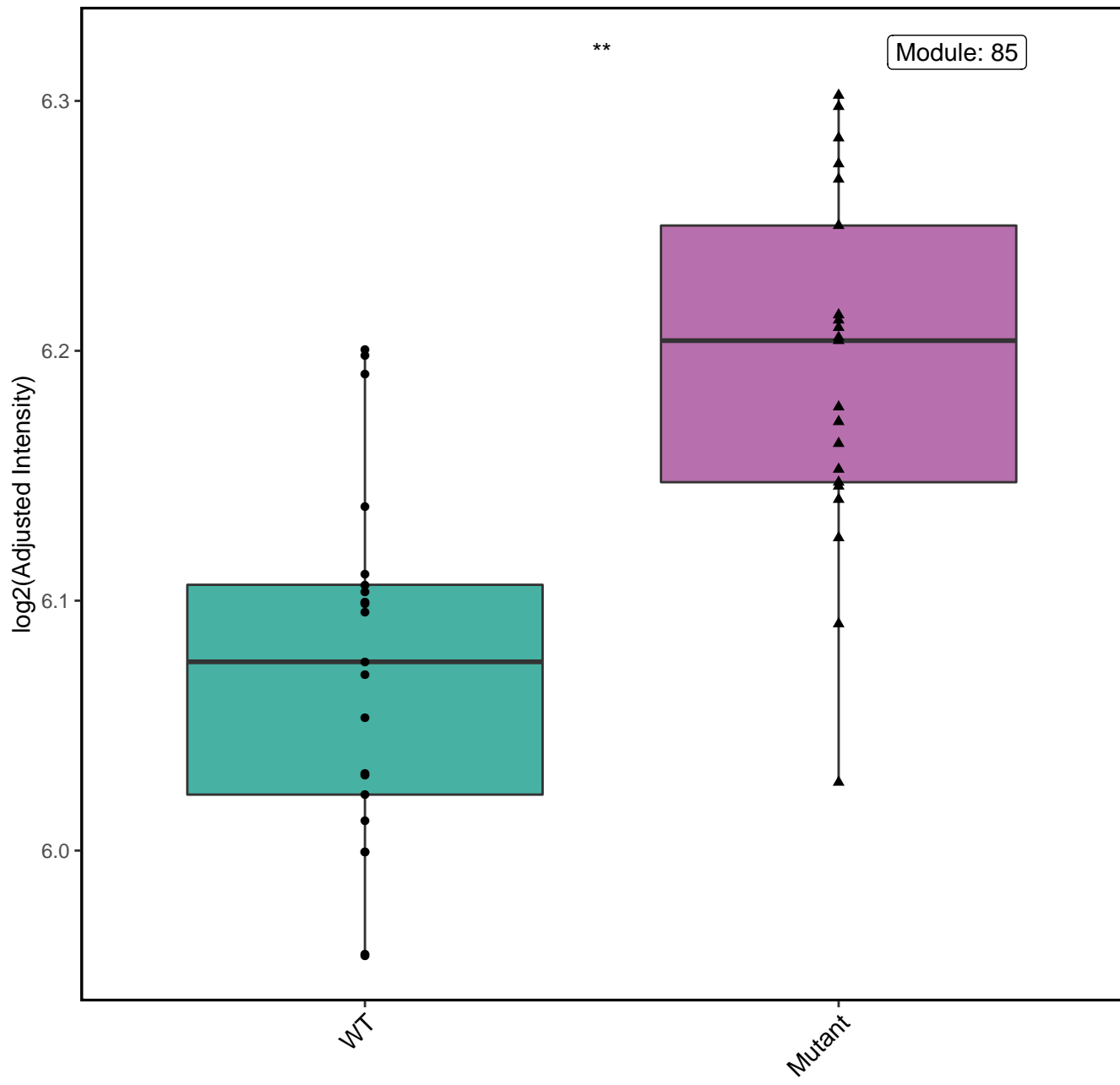


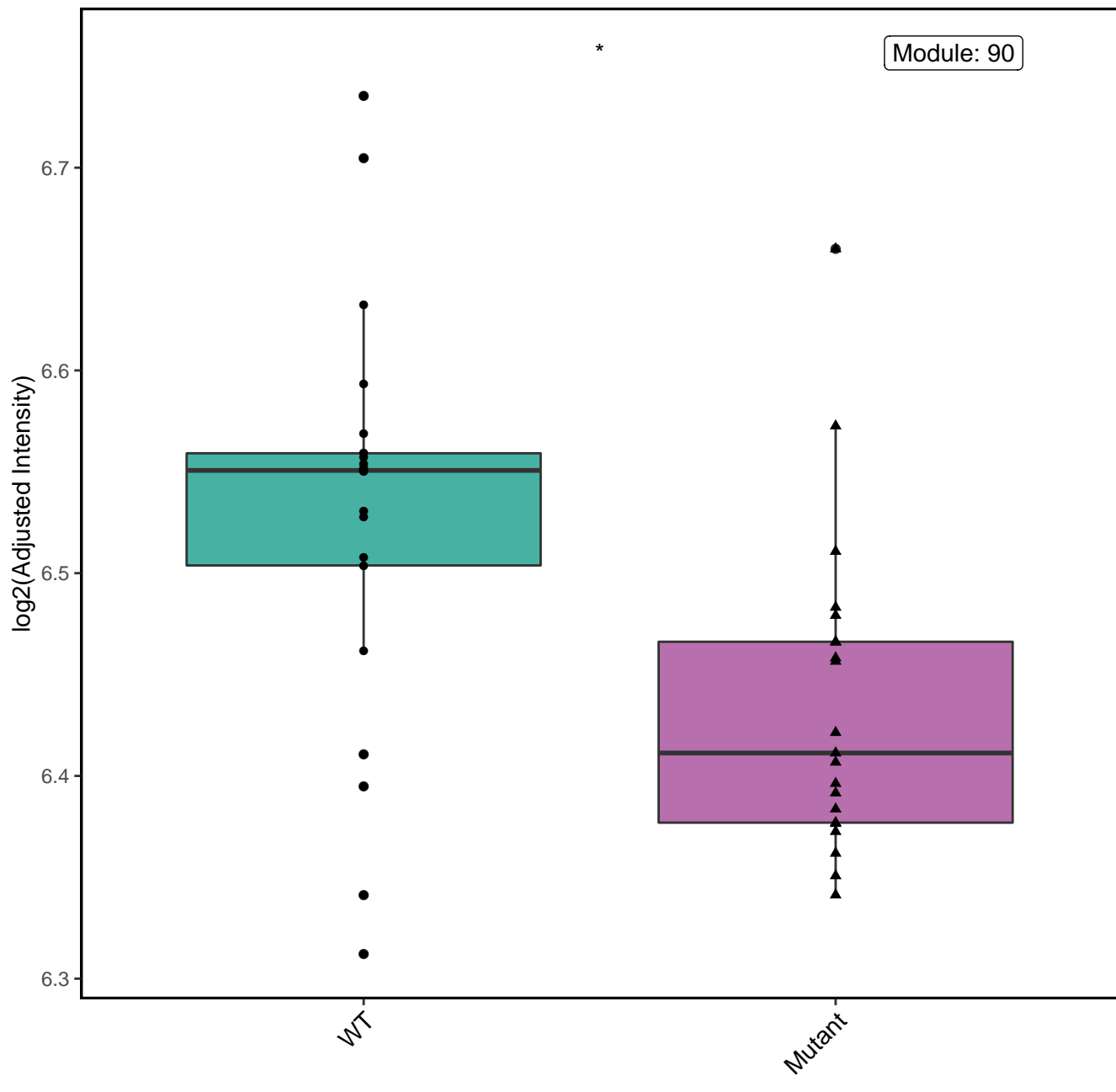


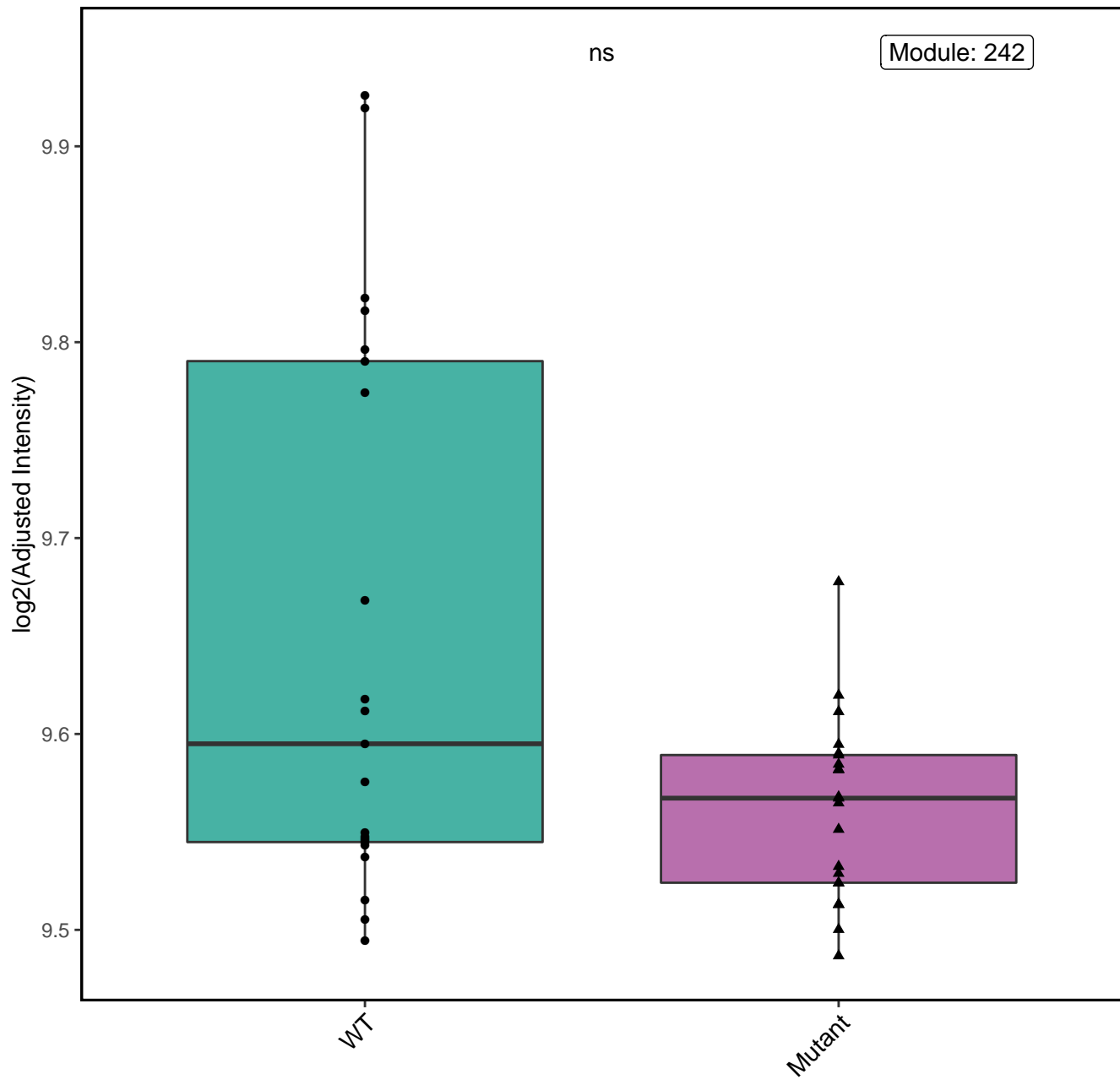


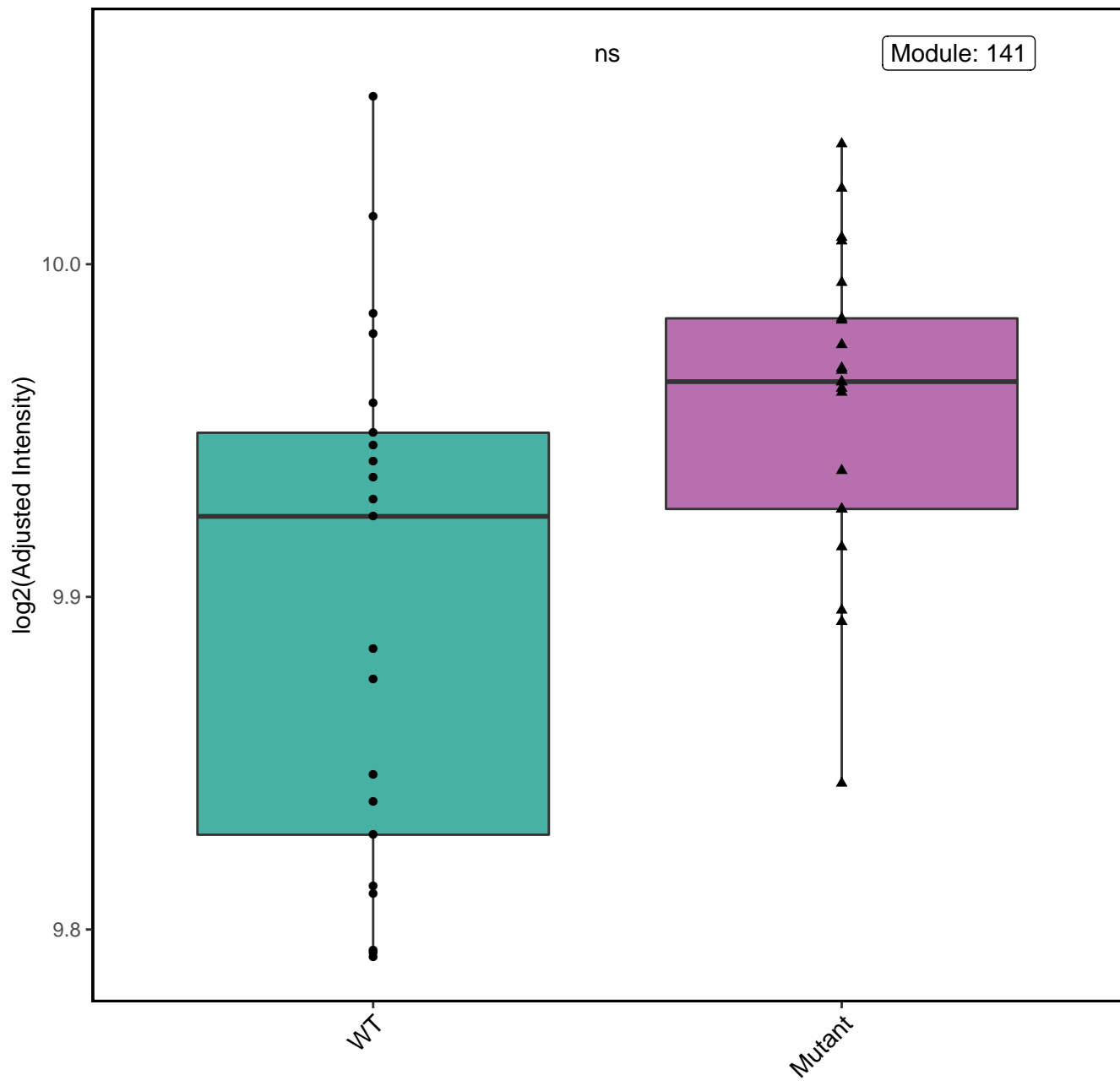


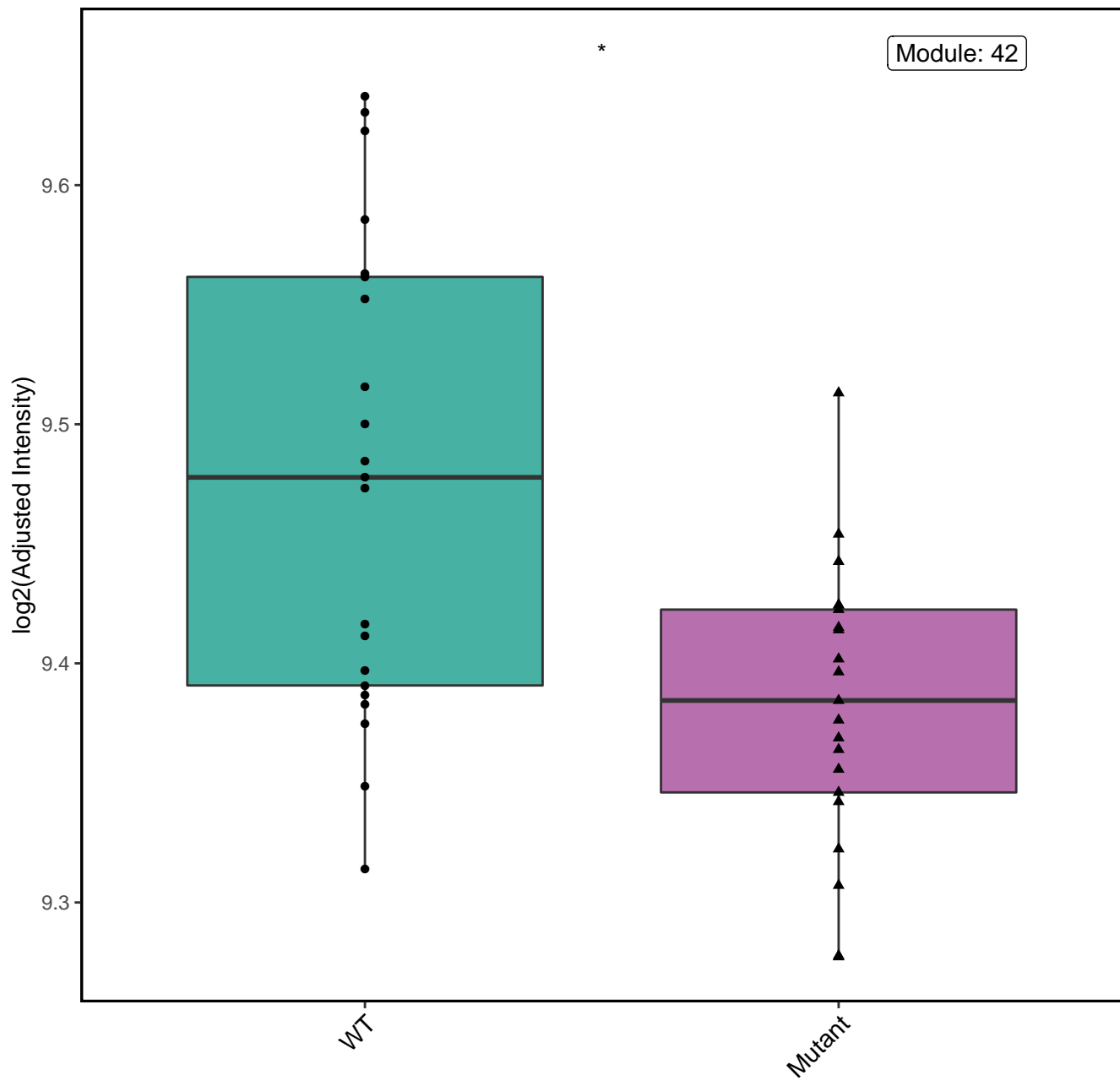


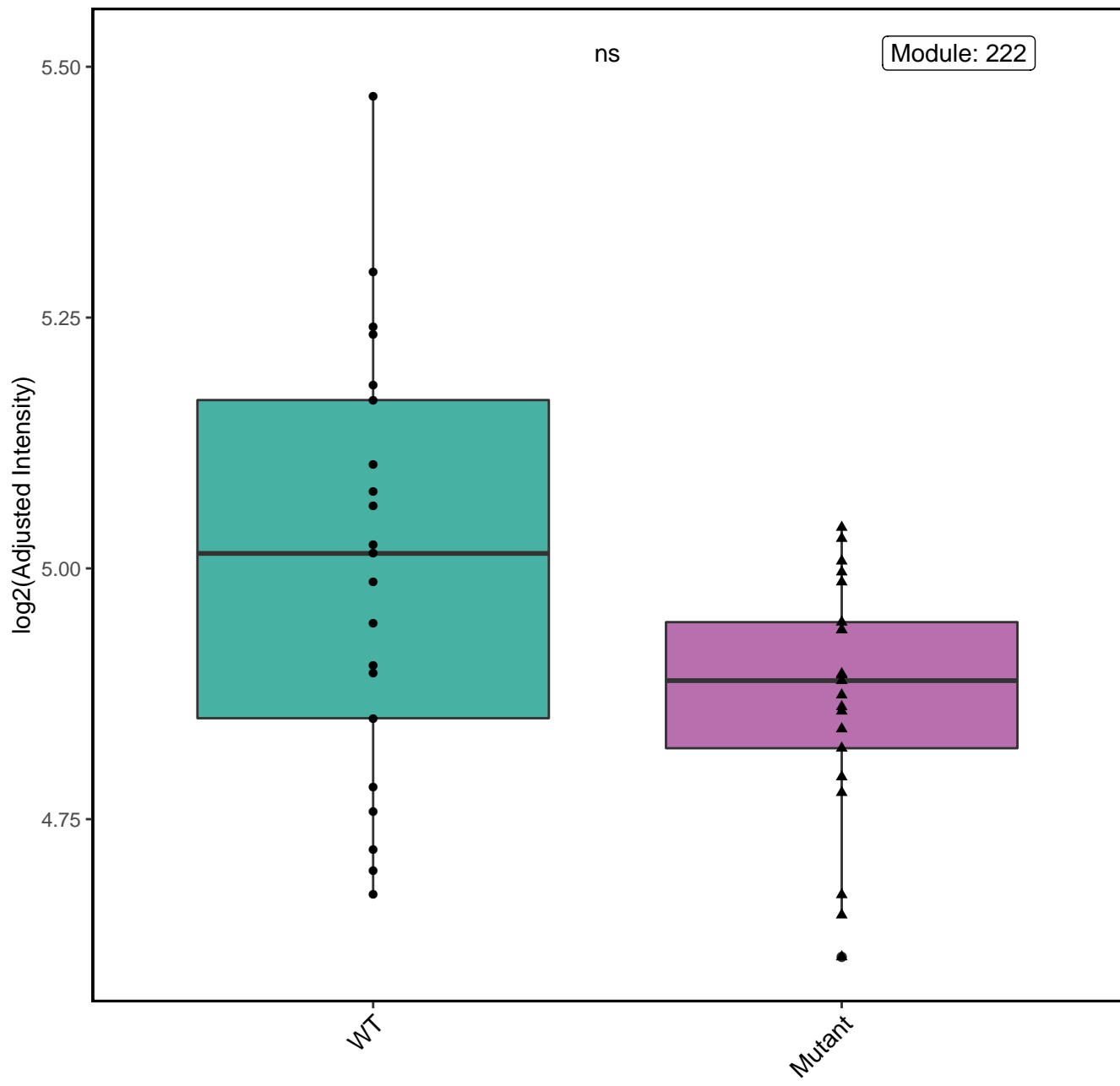


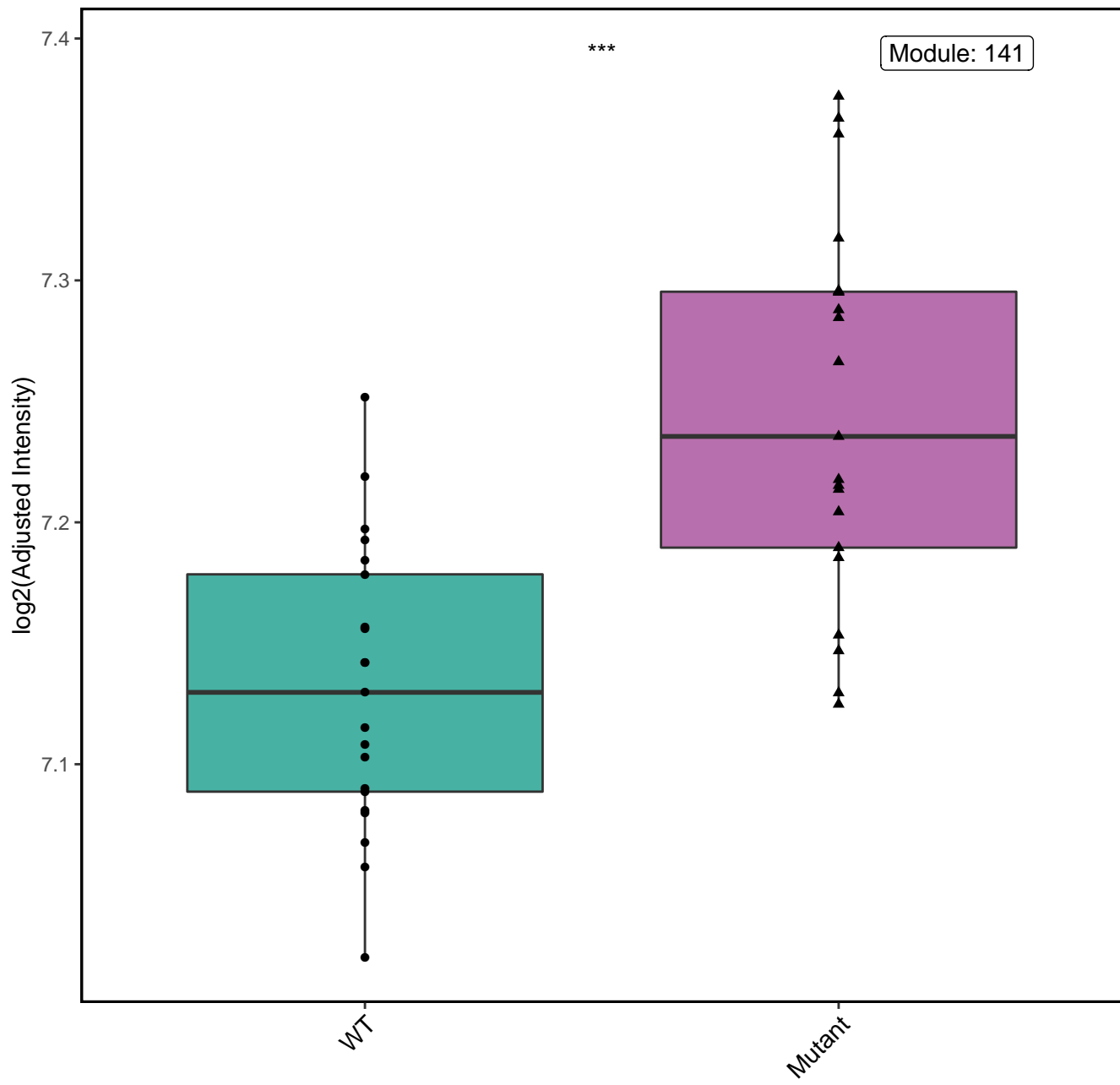




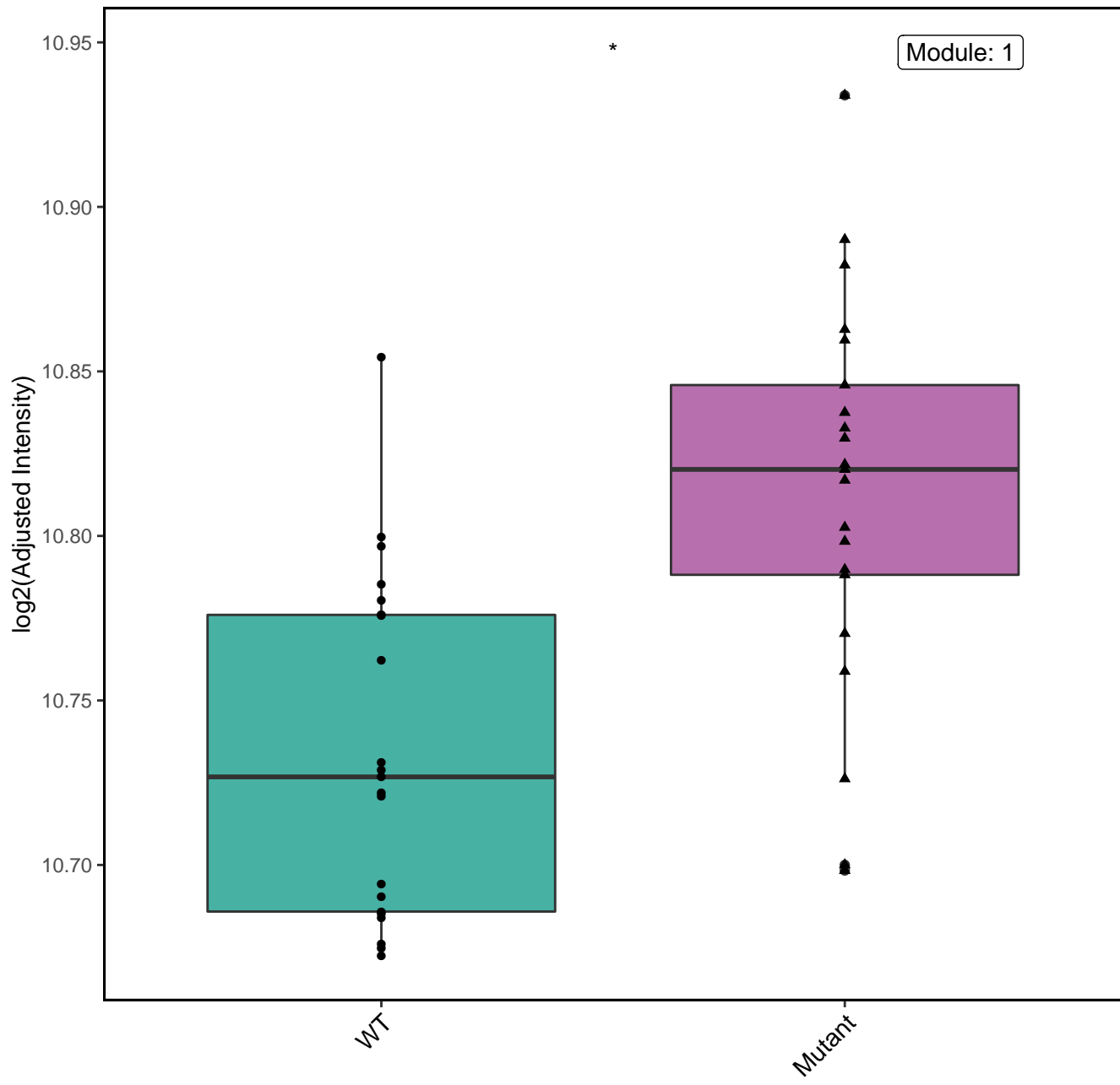


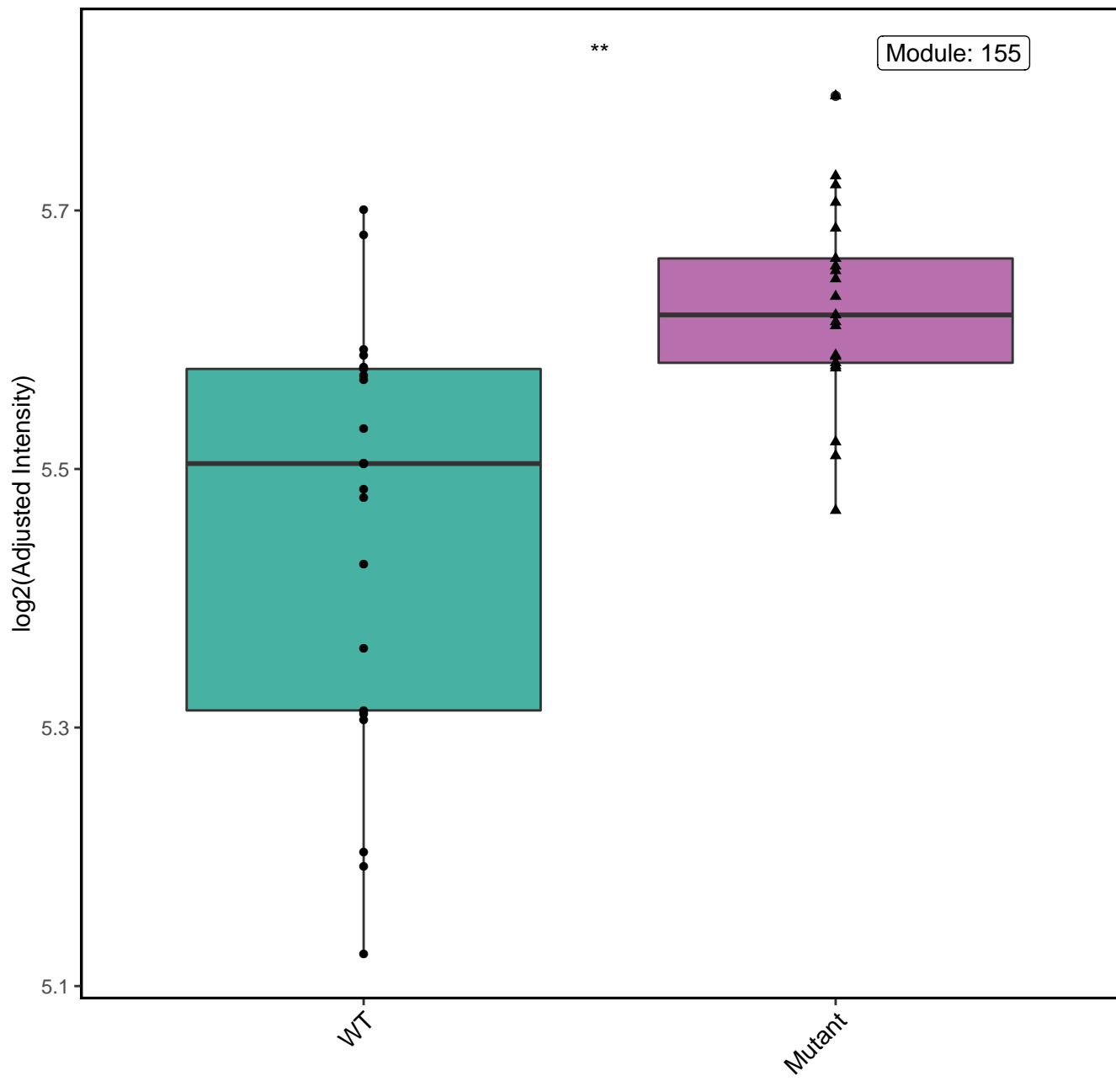


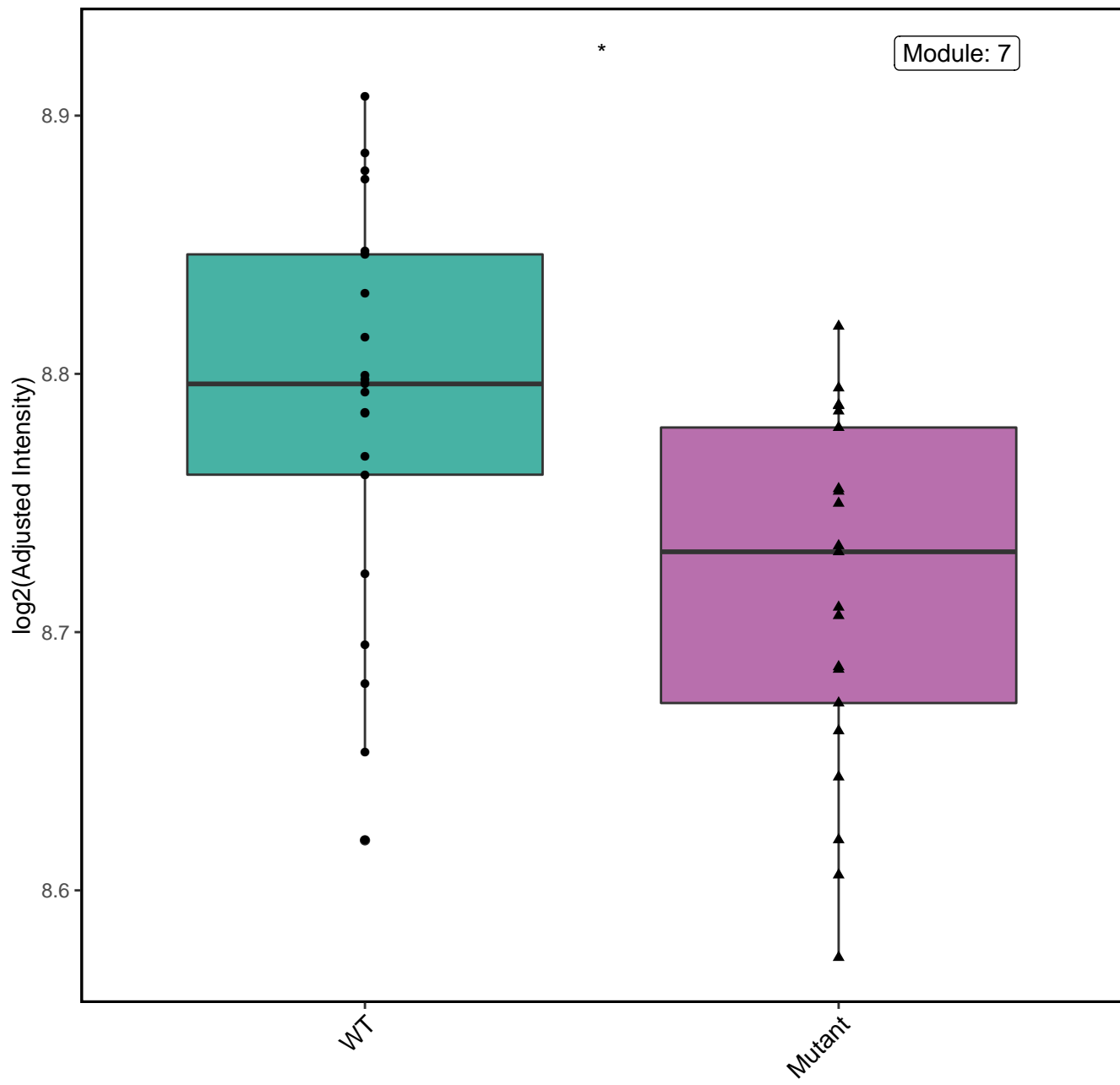


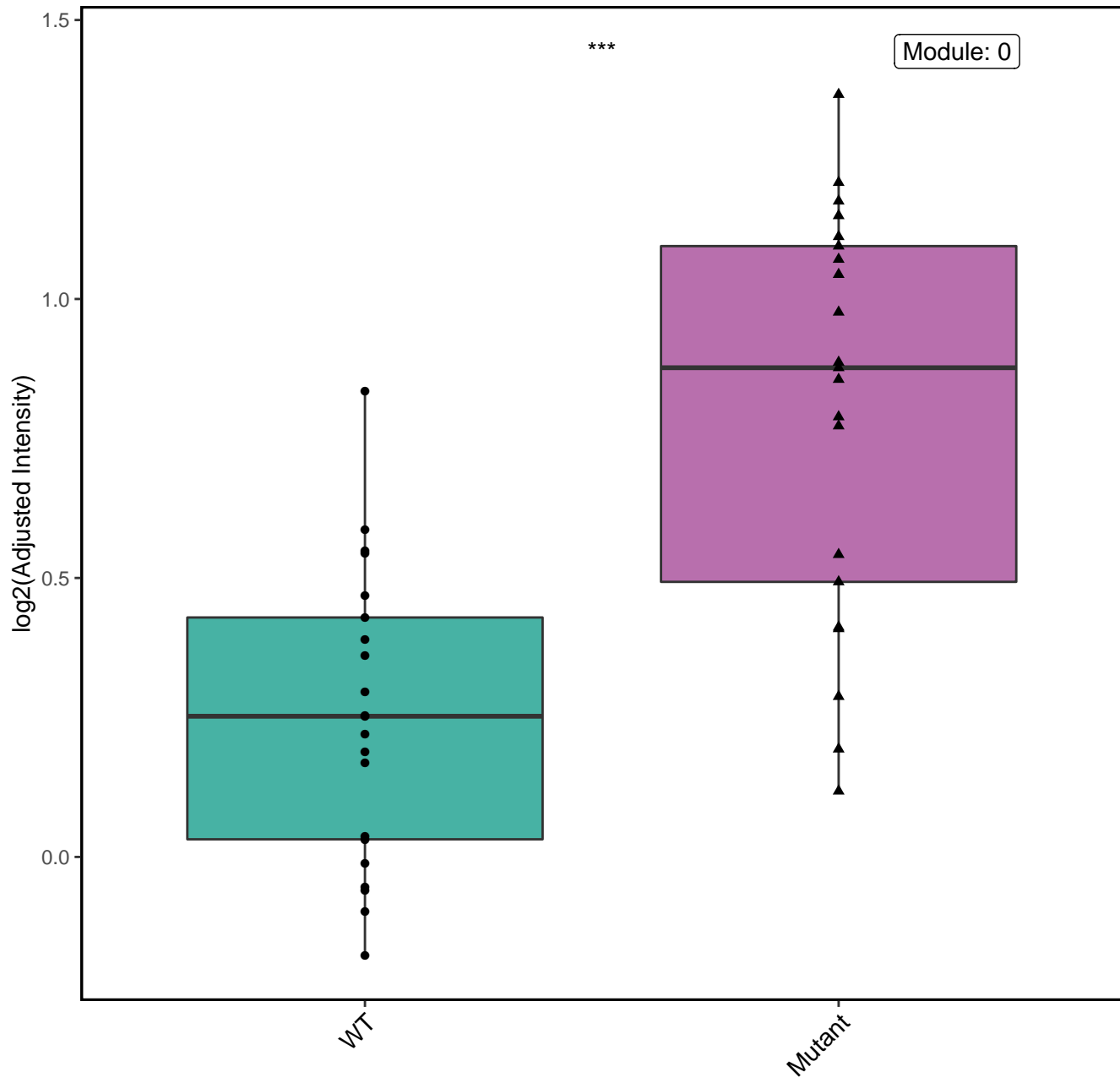


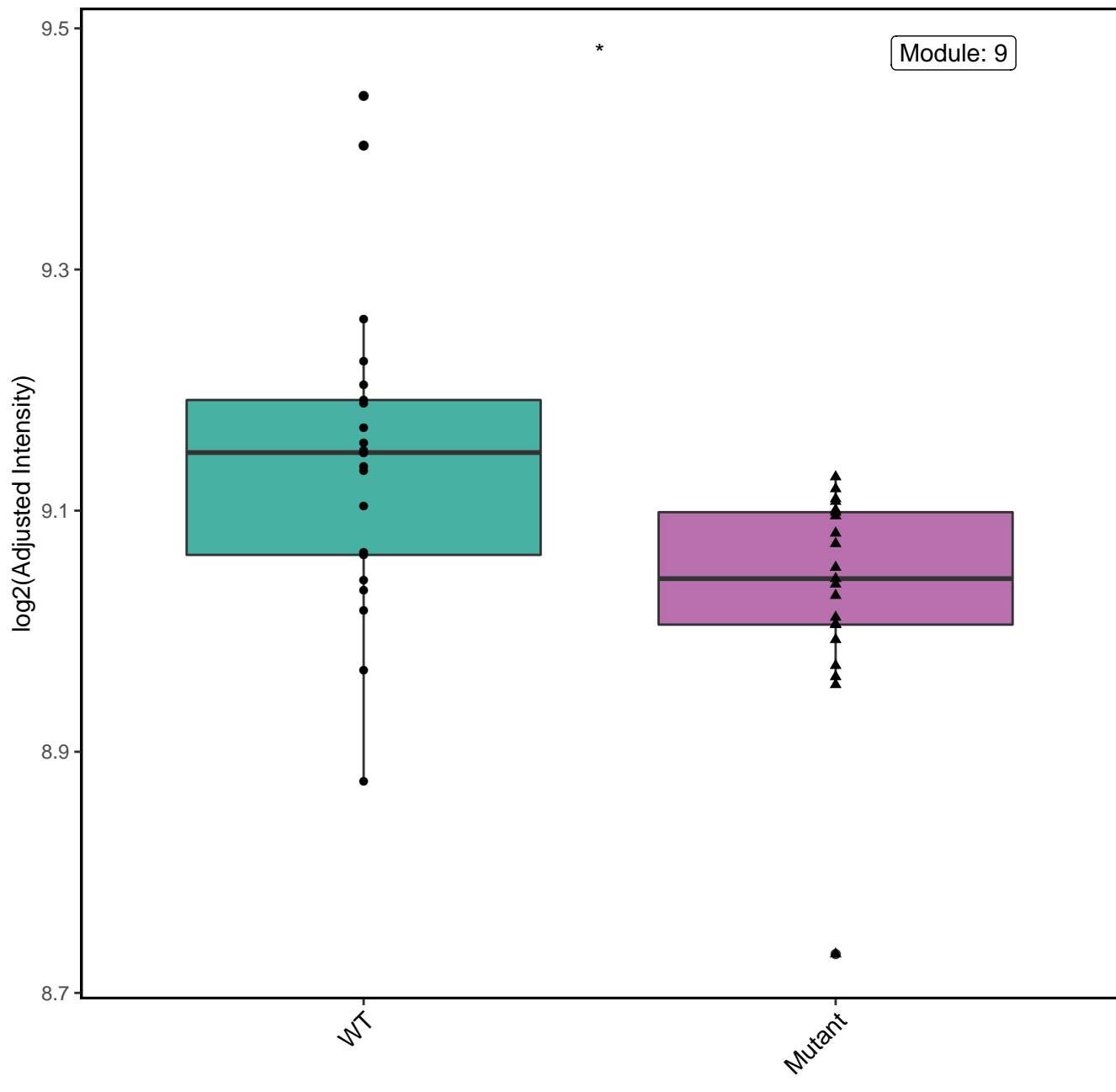


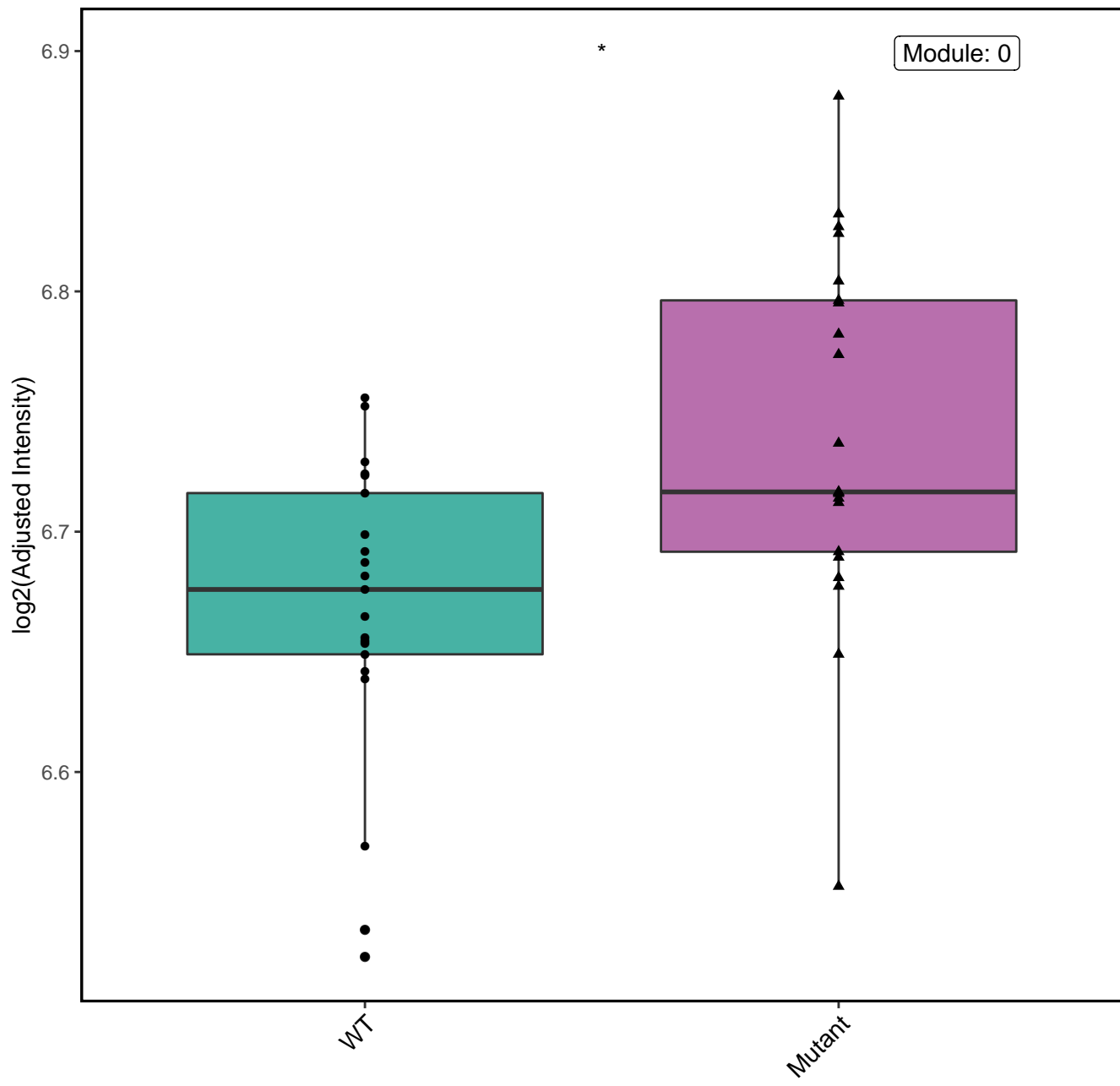


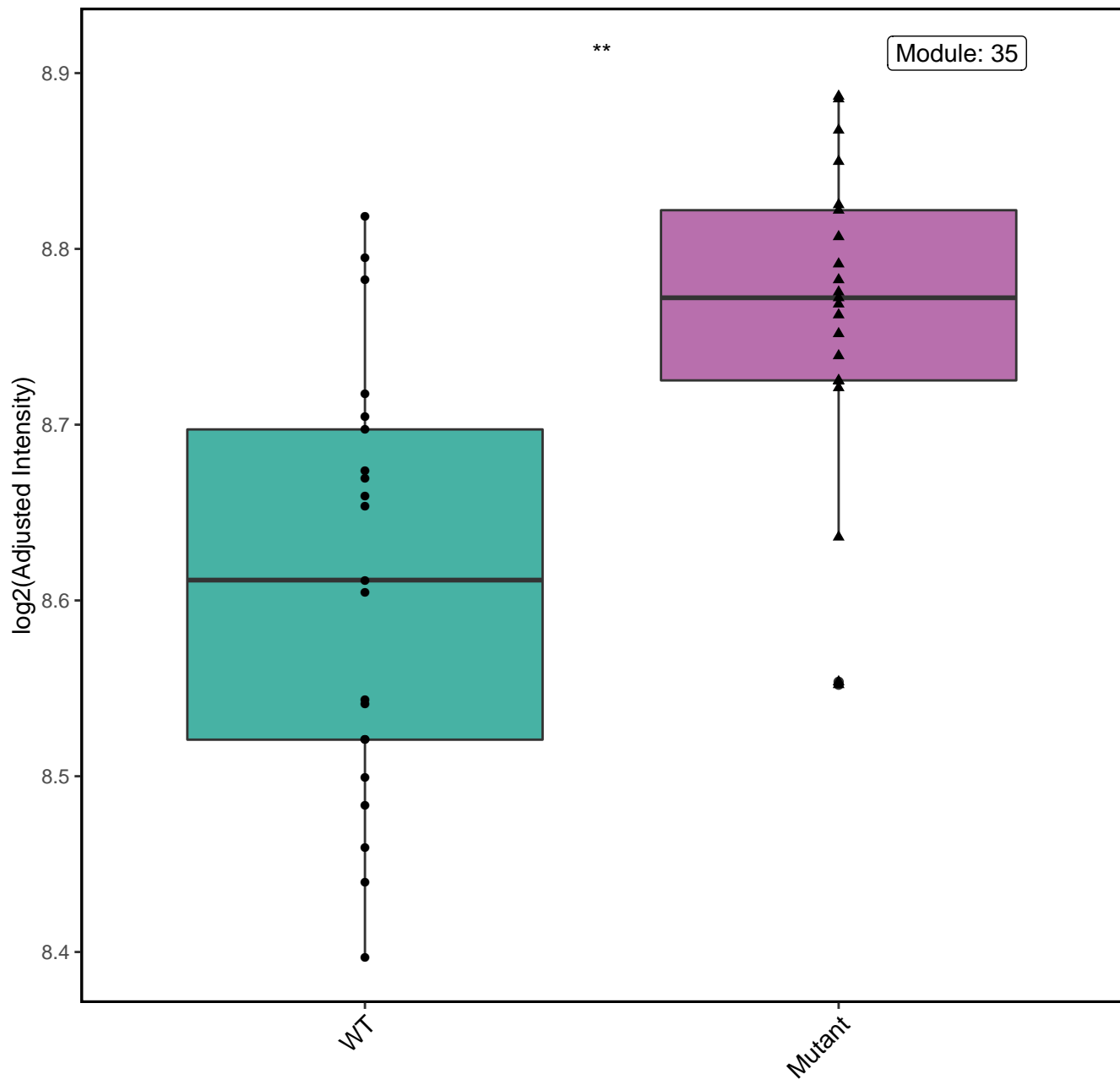


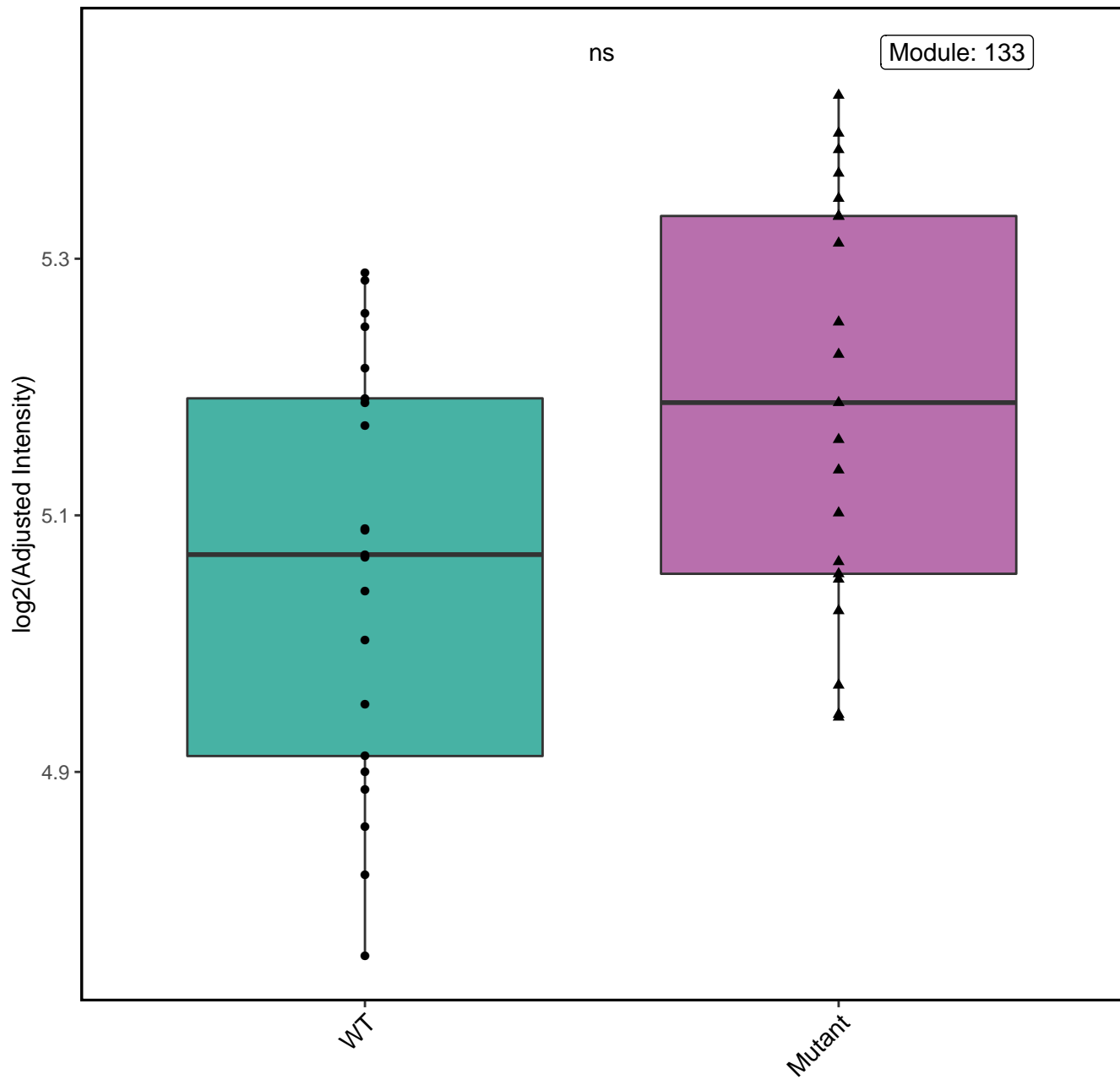




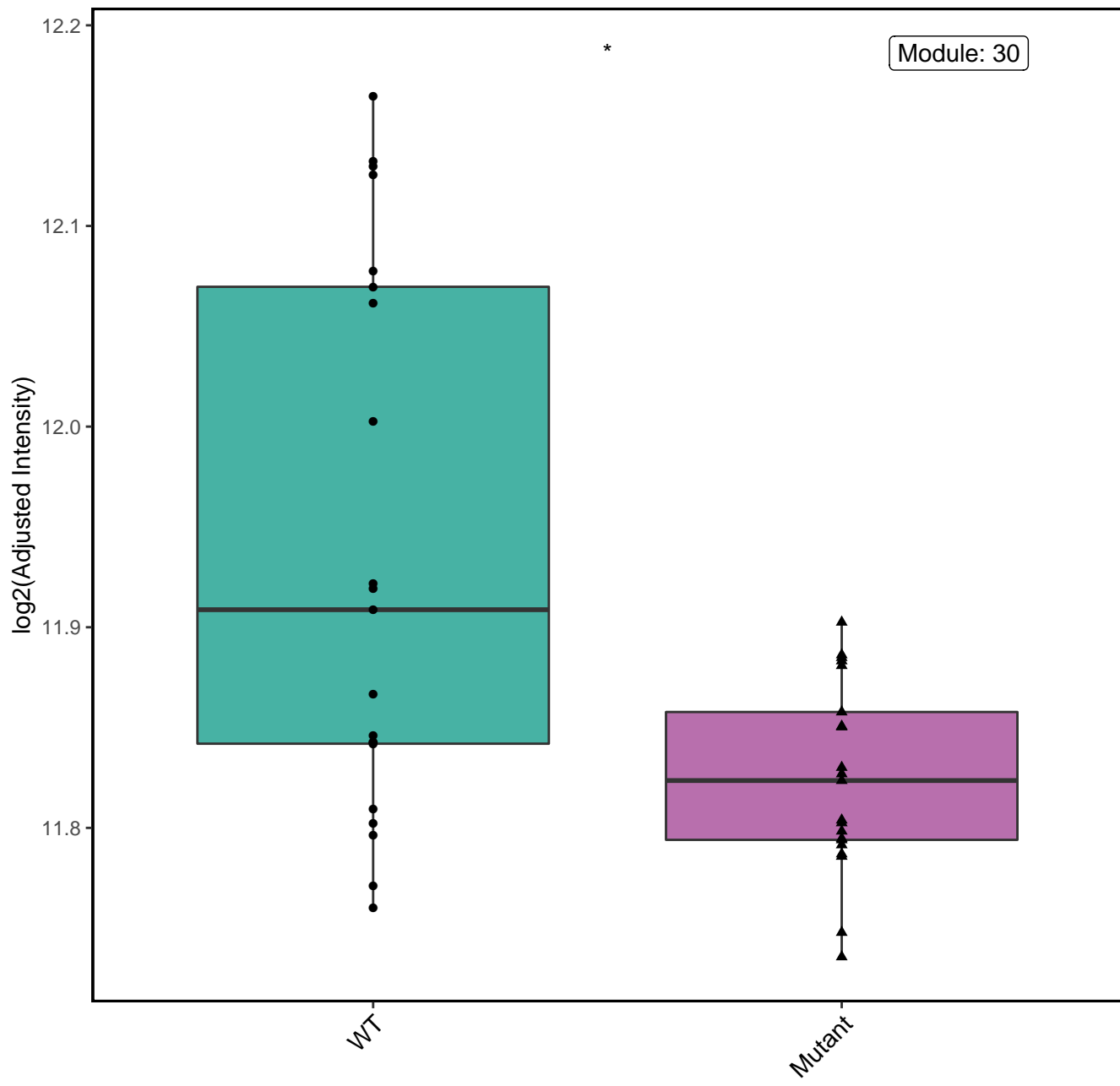


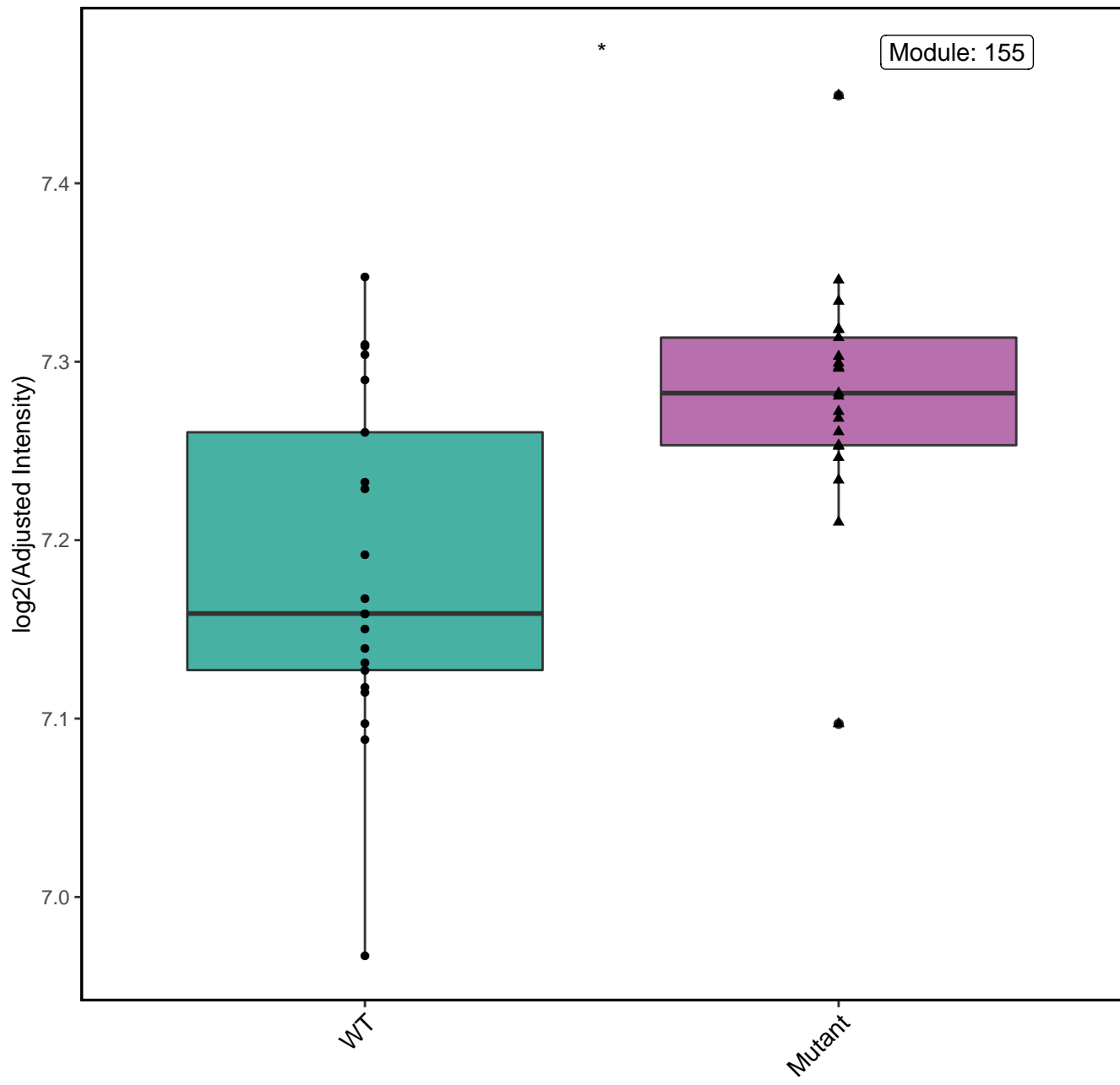












log2(Adjusted Intensity)

5.2

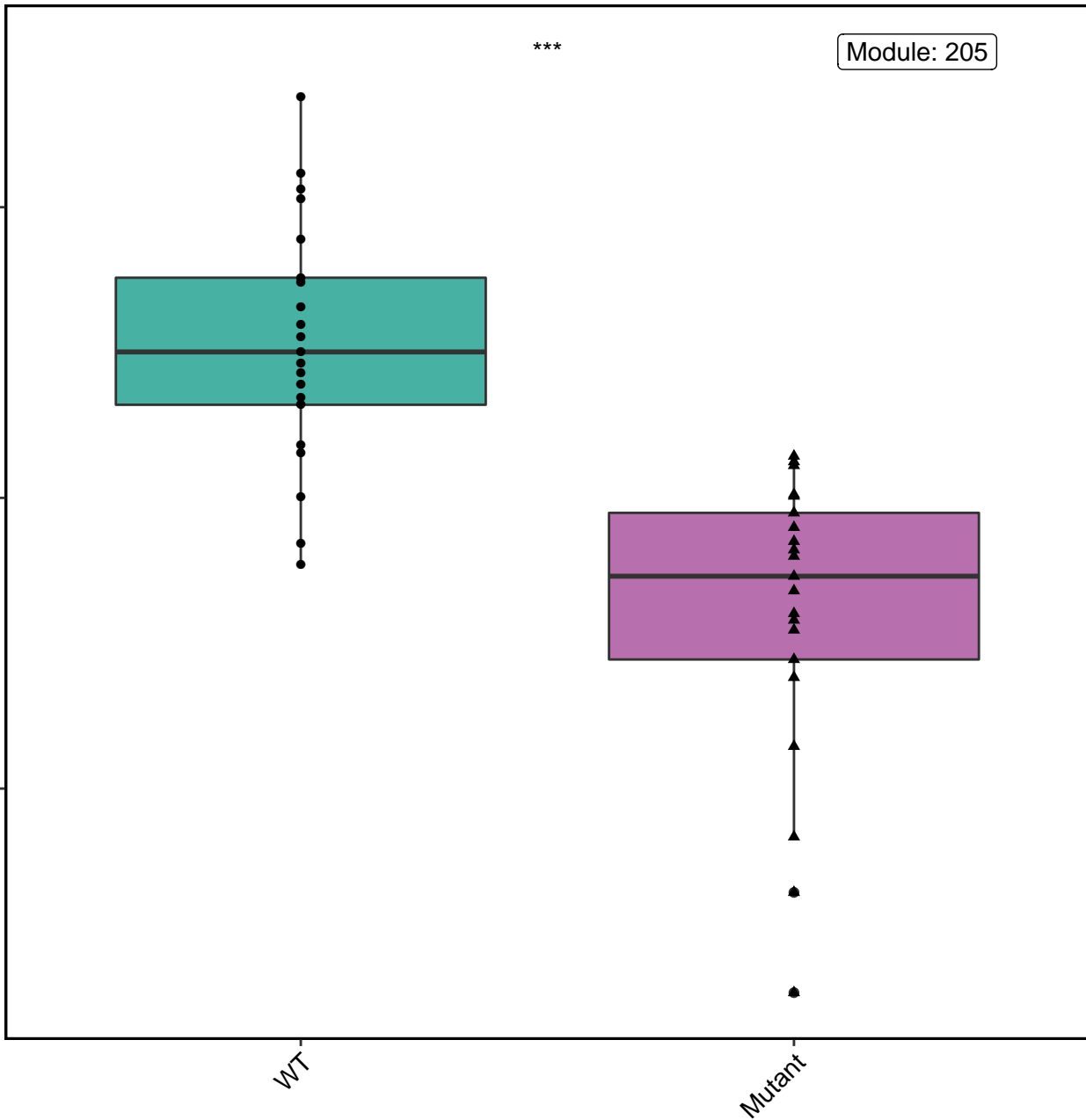
5.0

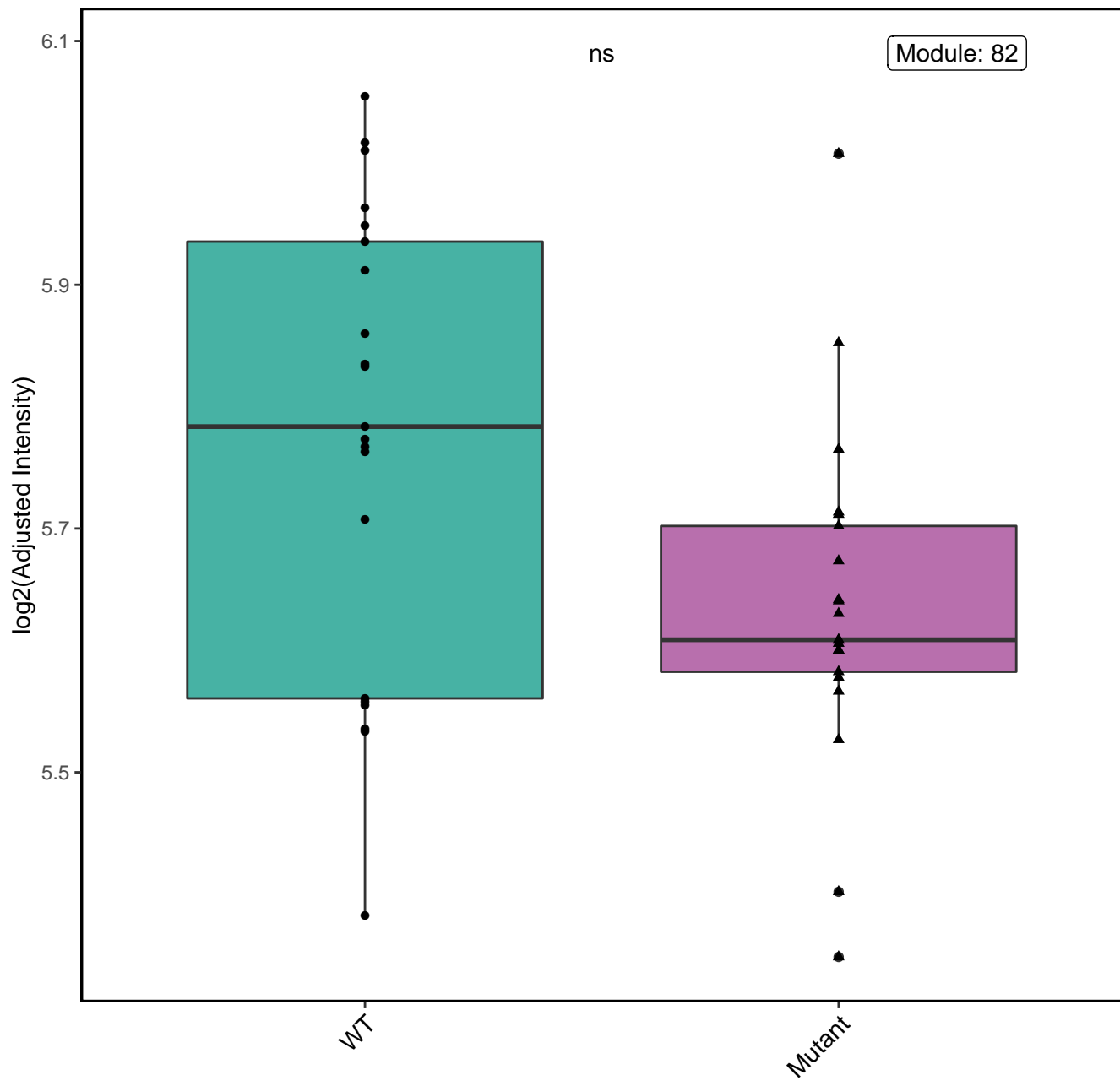
4.8

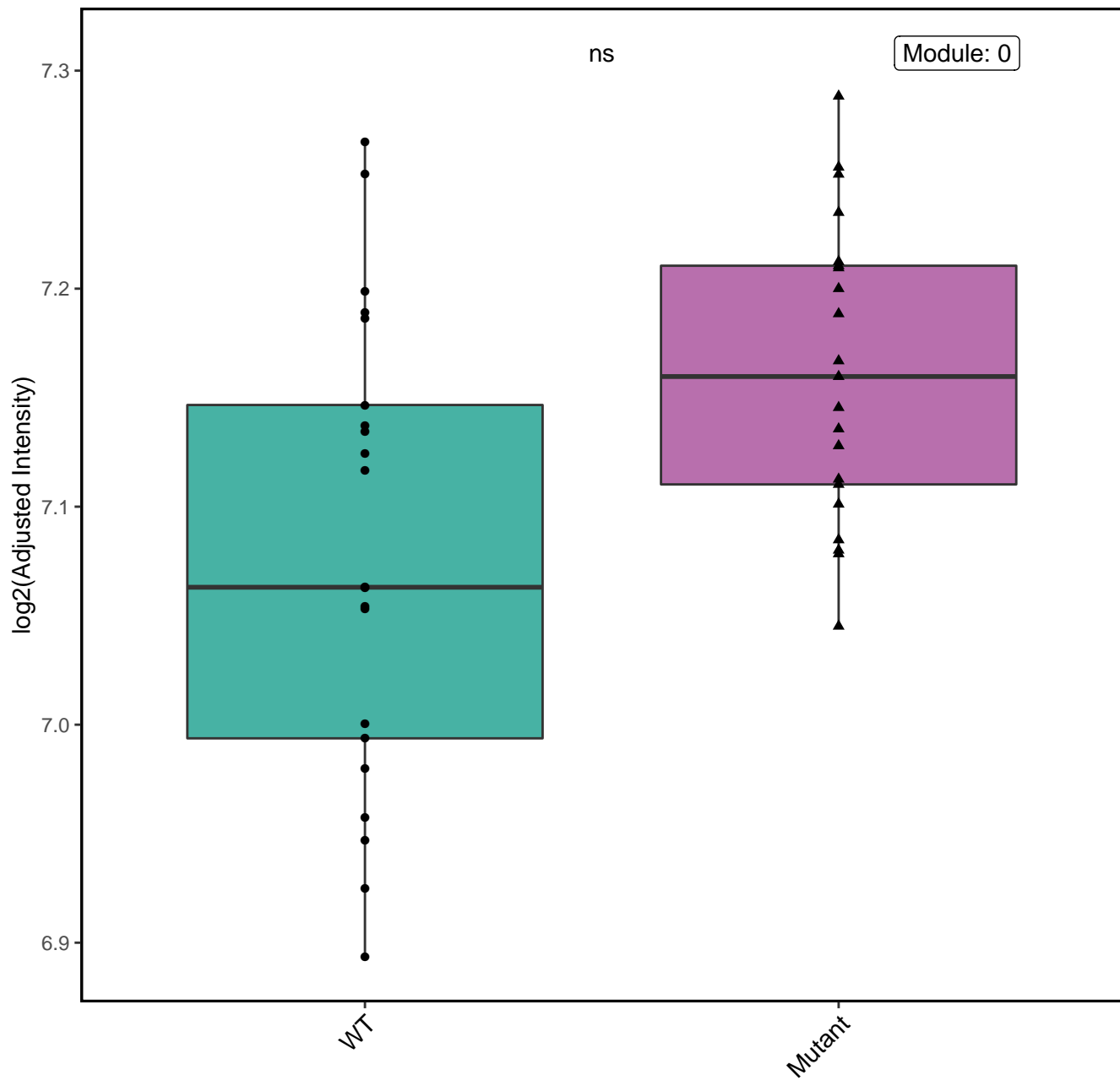
WT

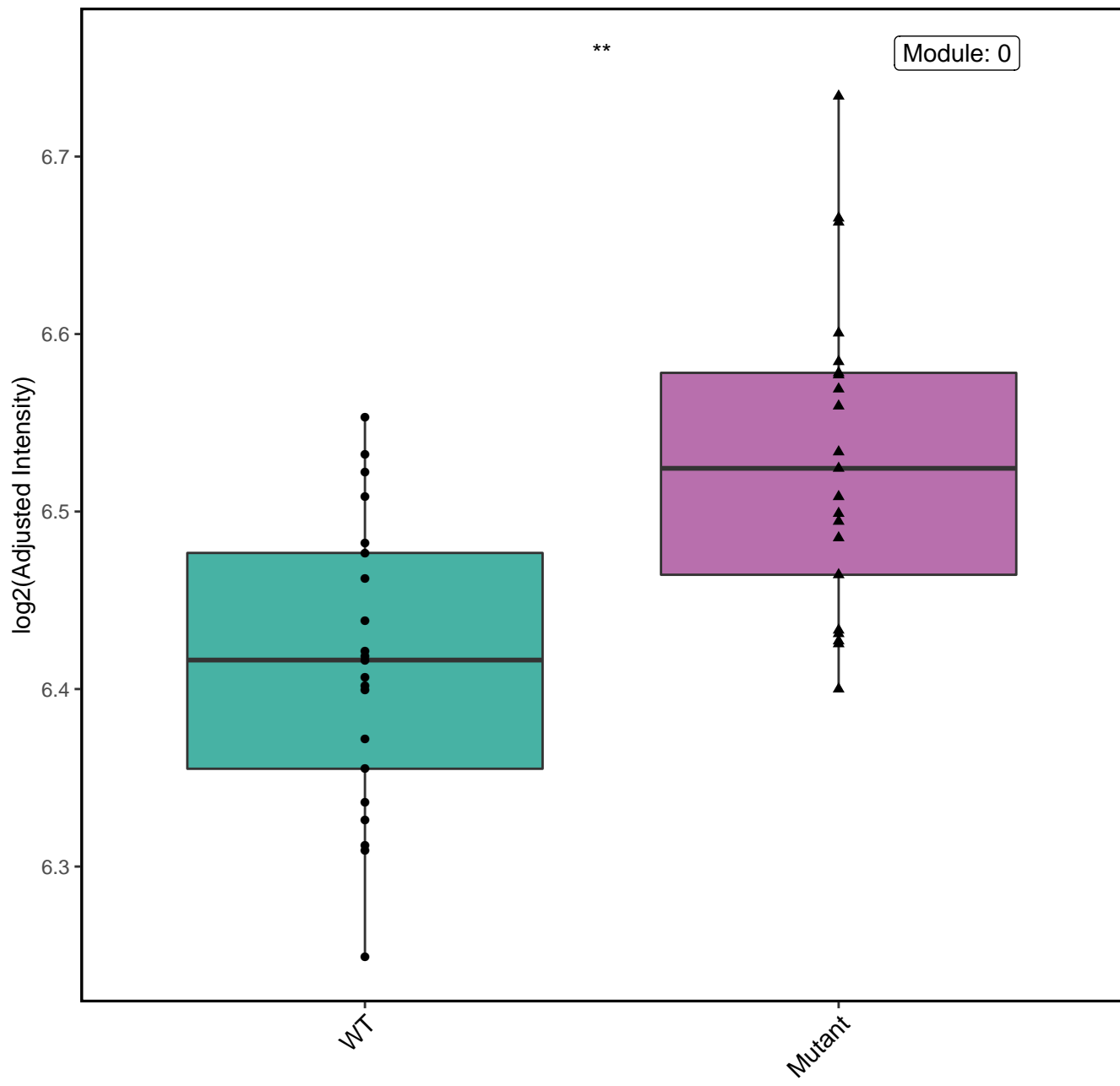
Mutant

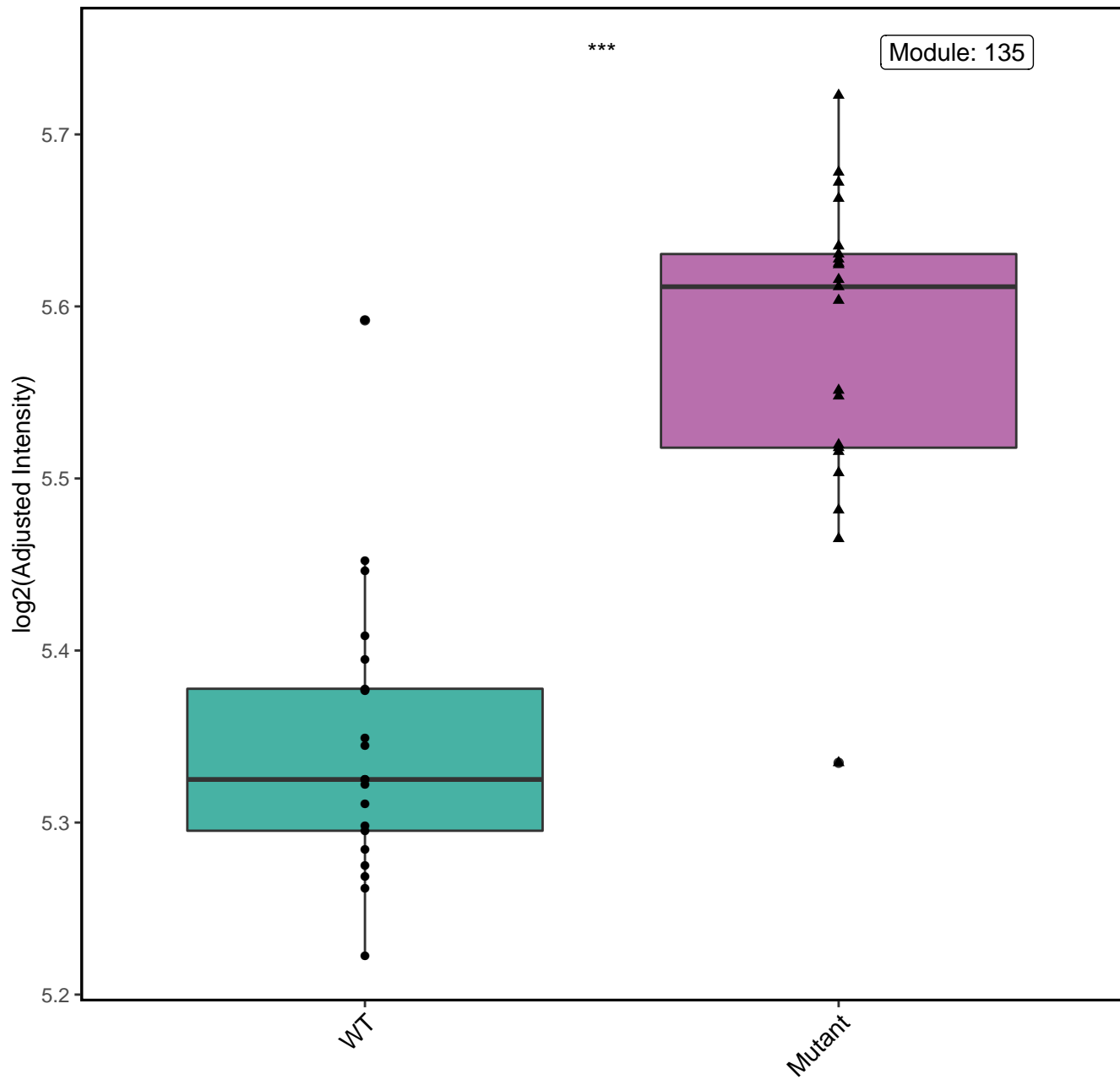
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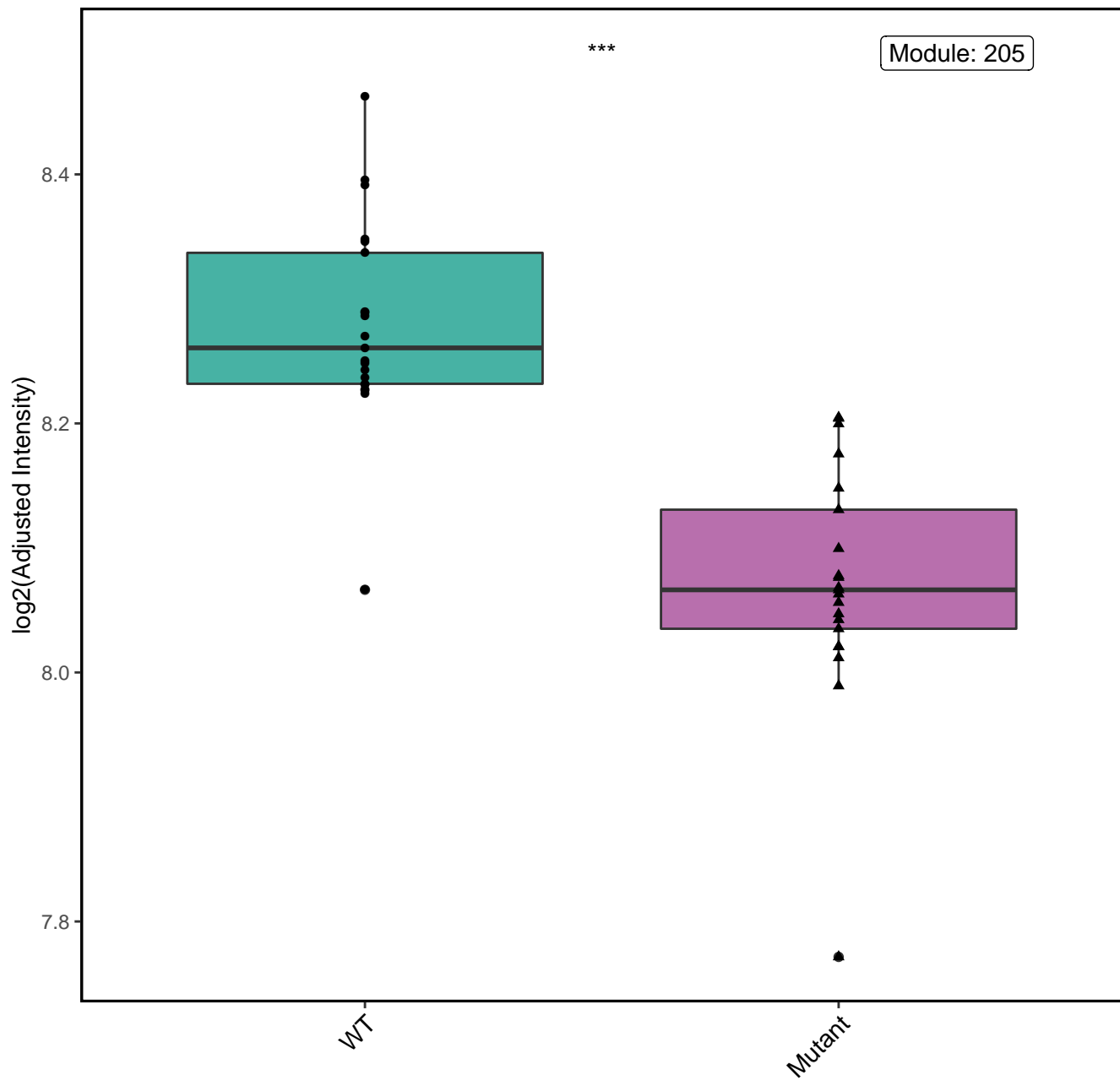




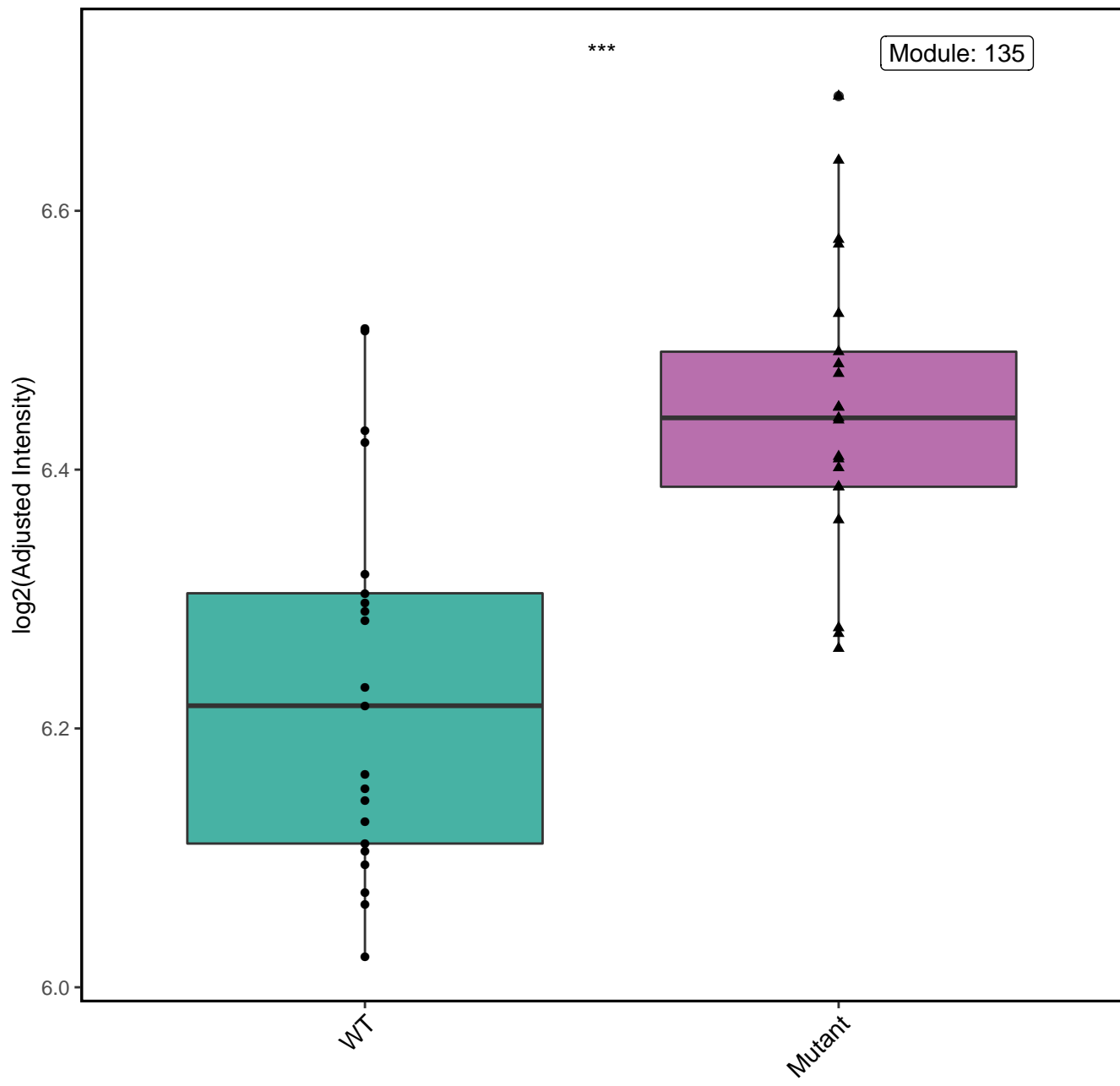


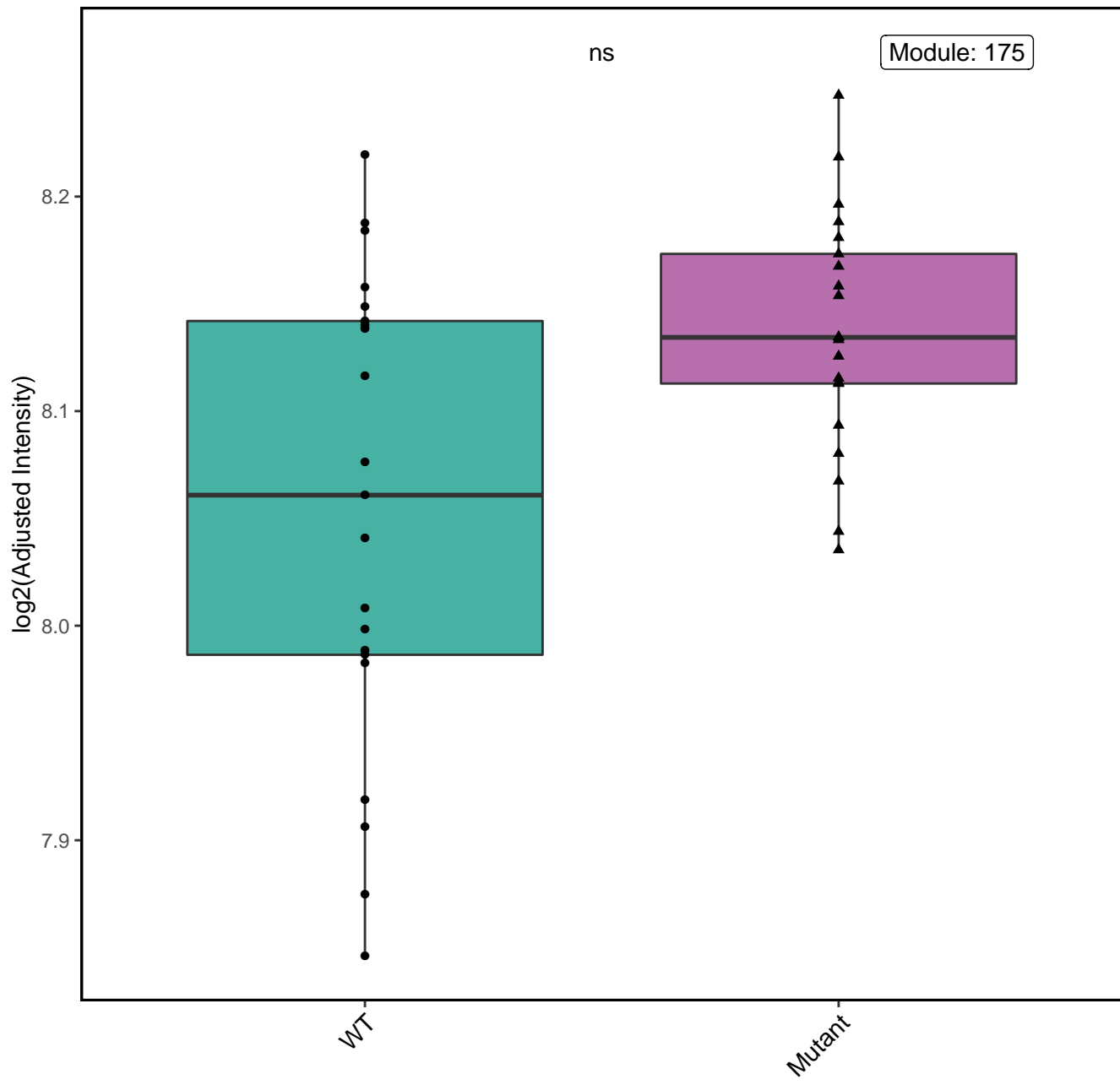


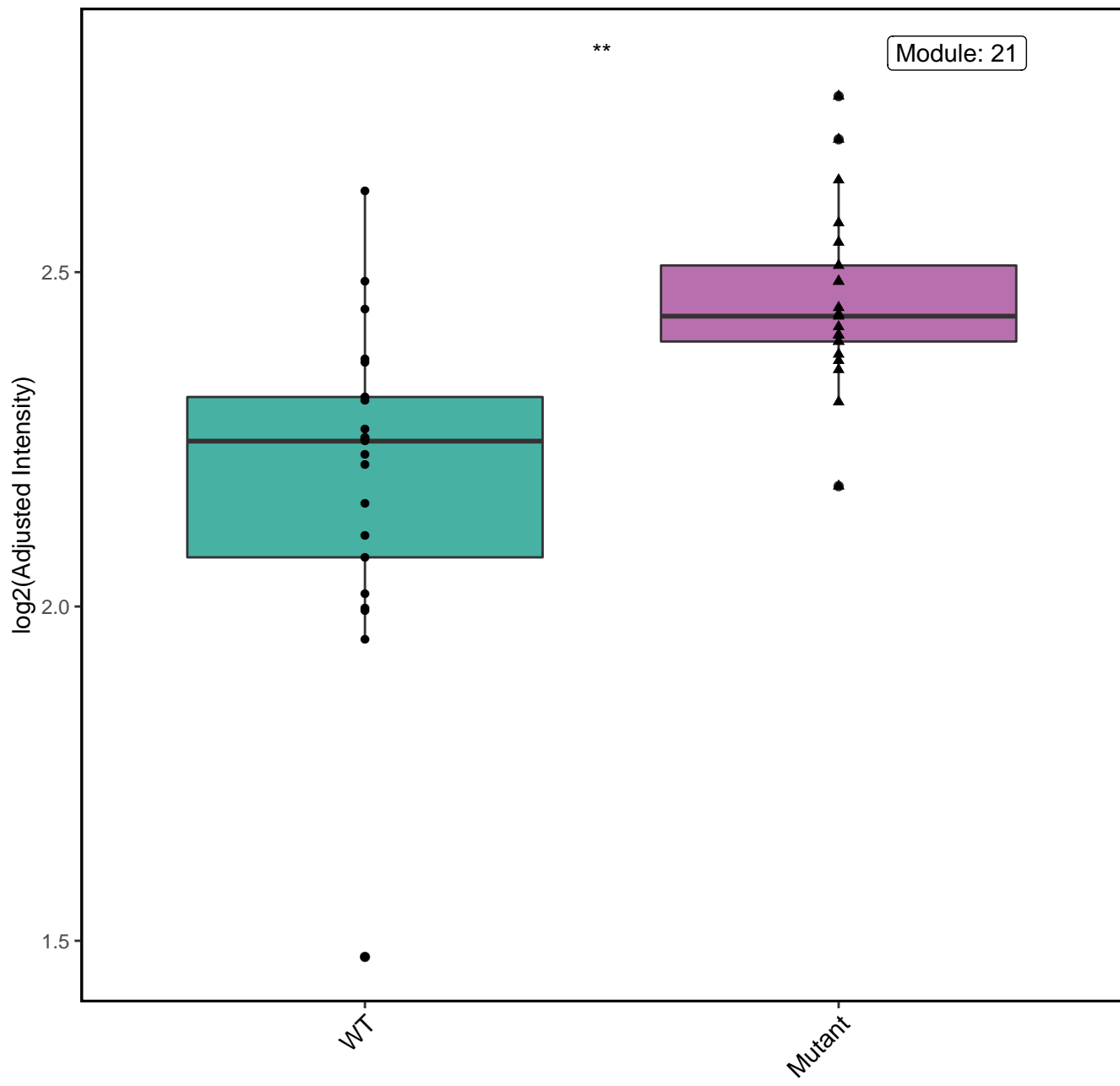


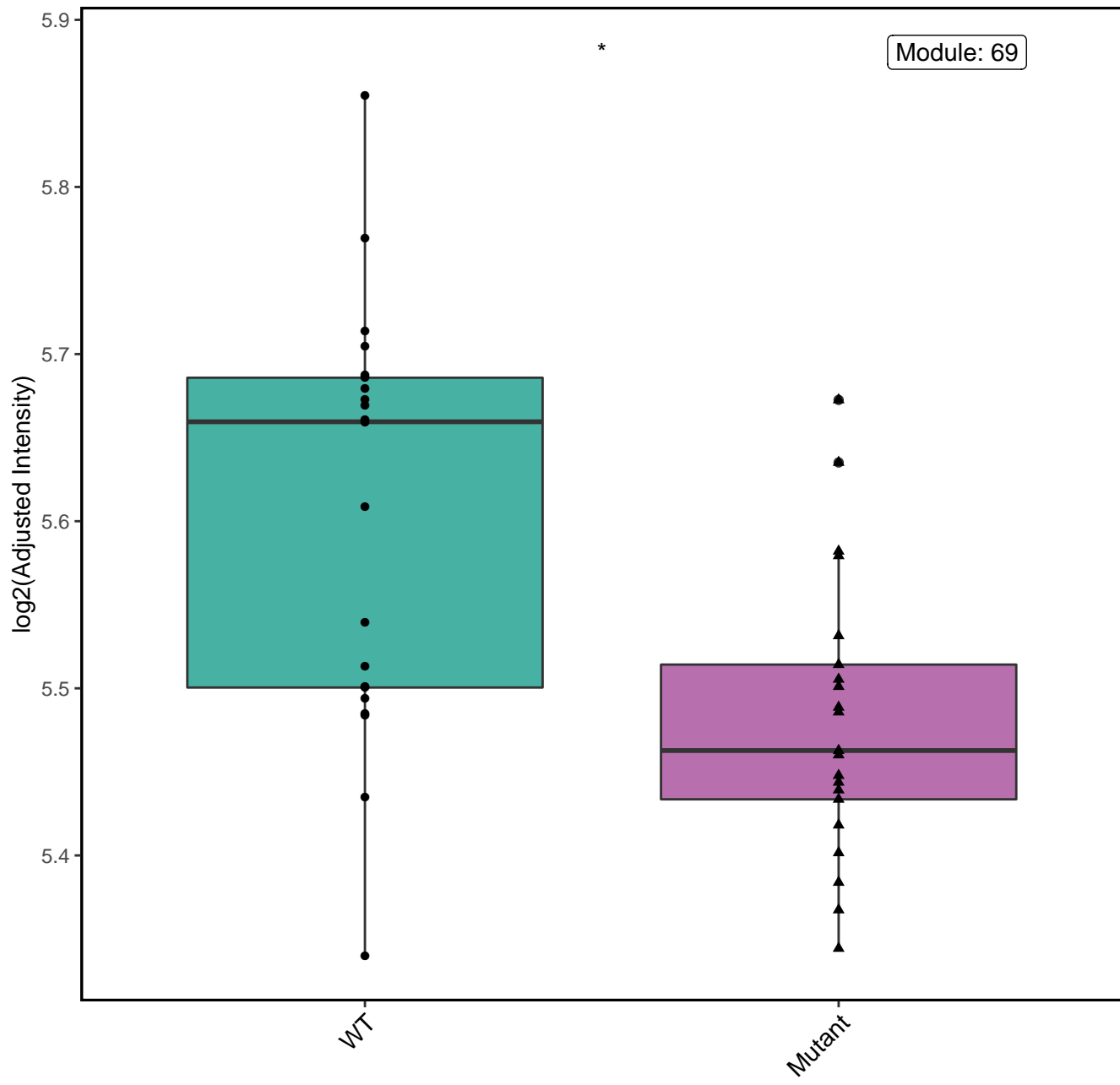


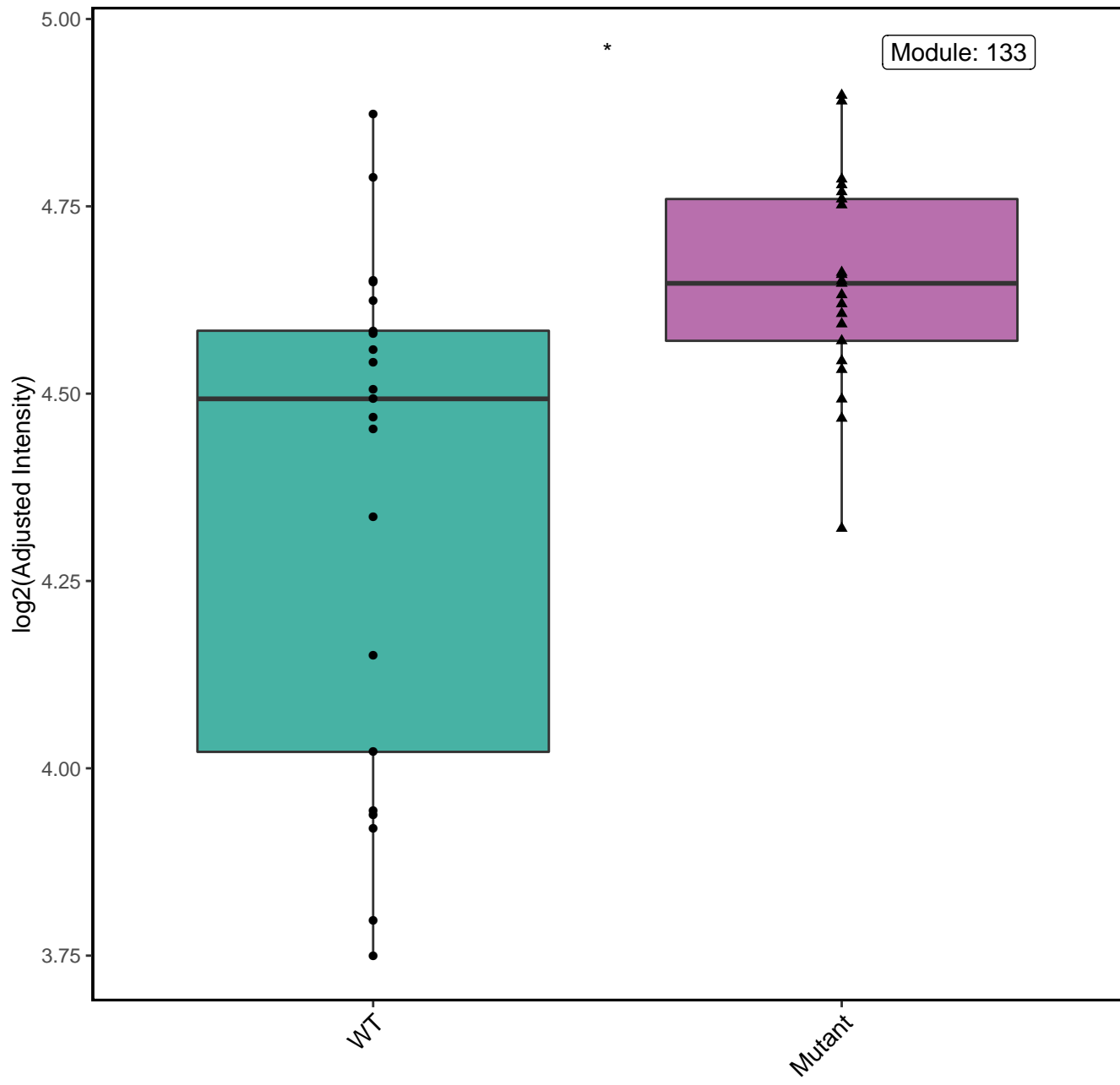


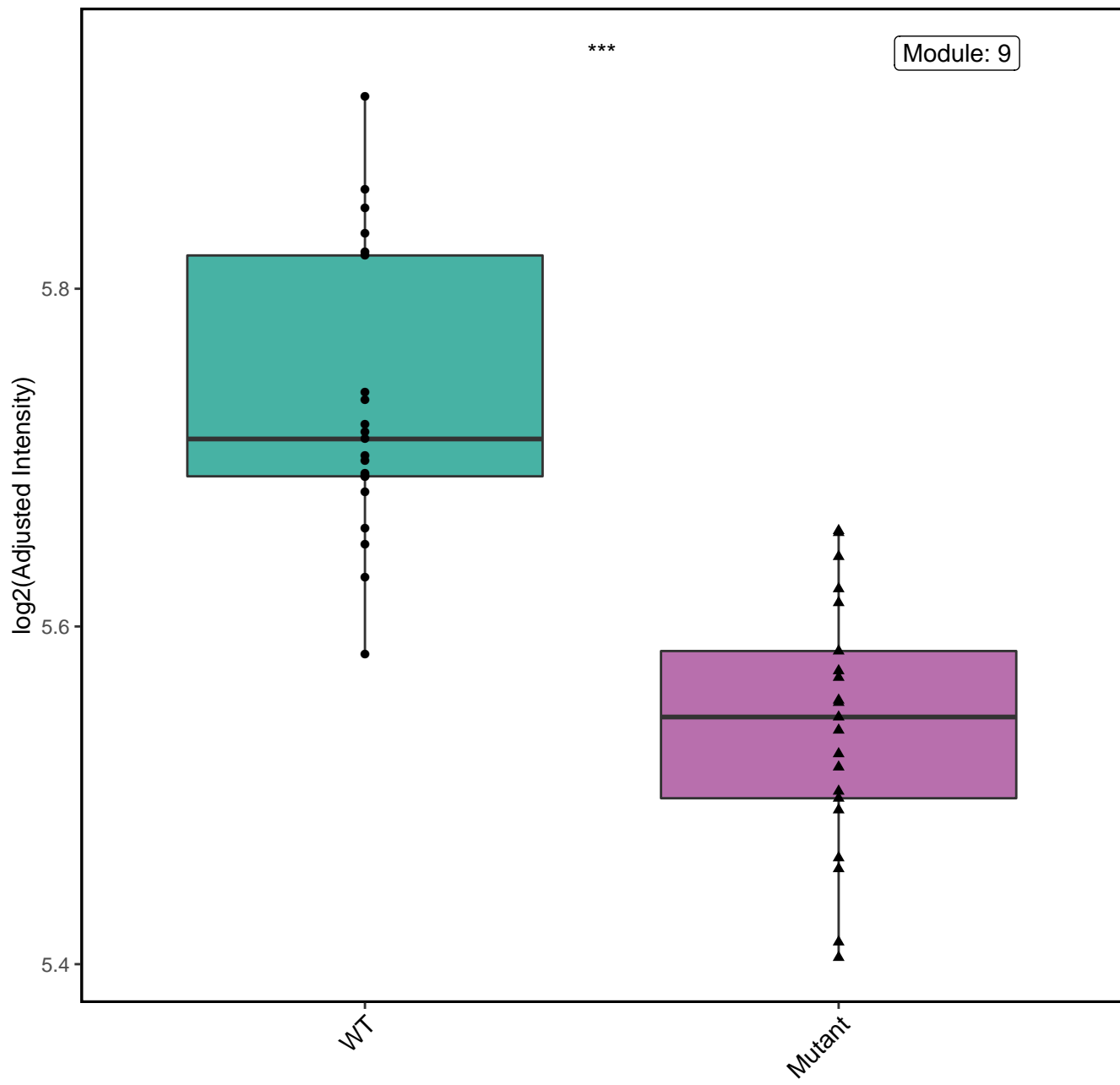


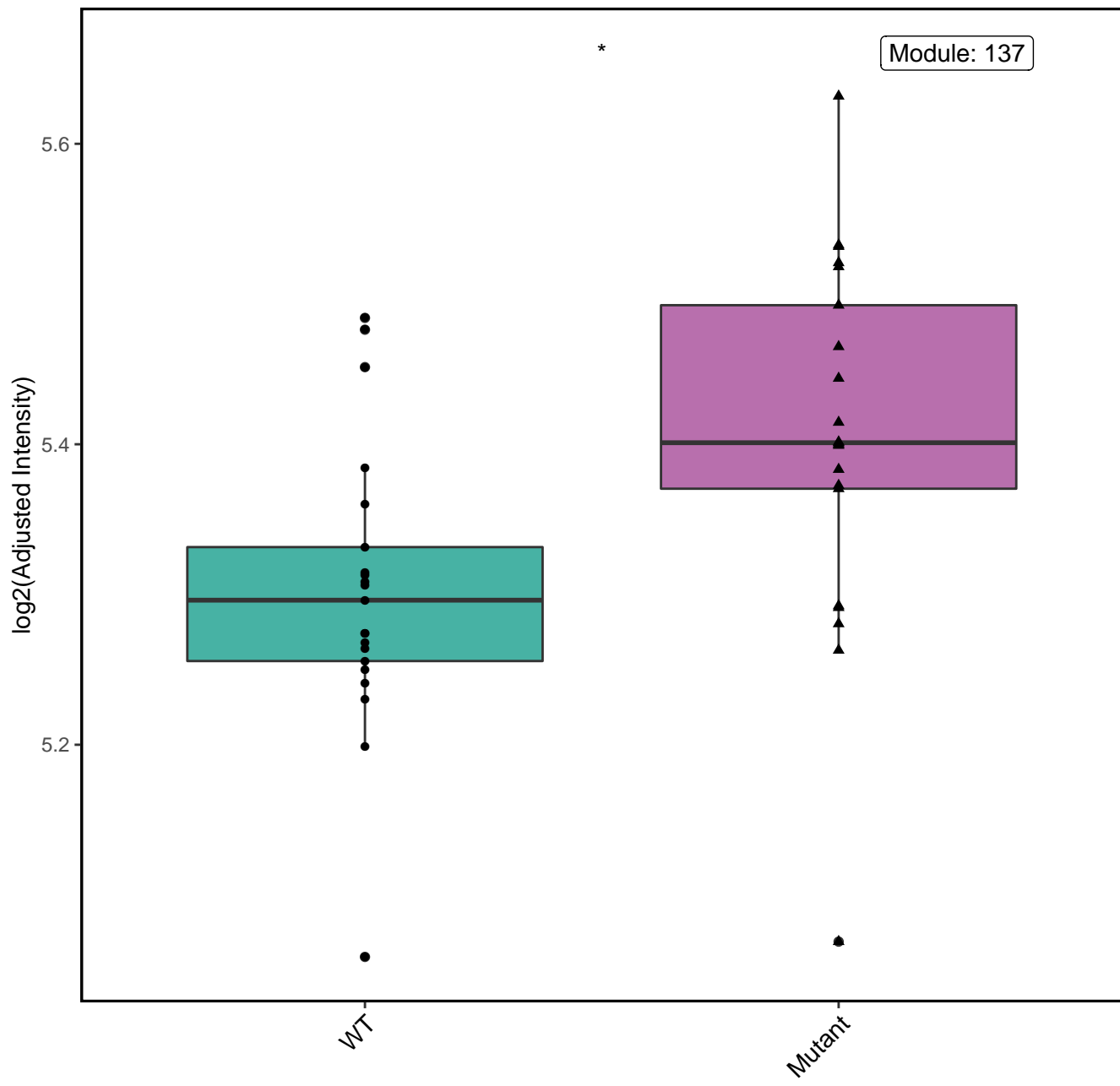


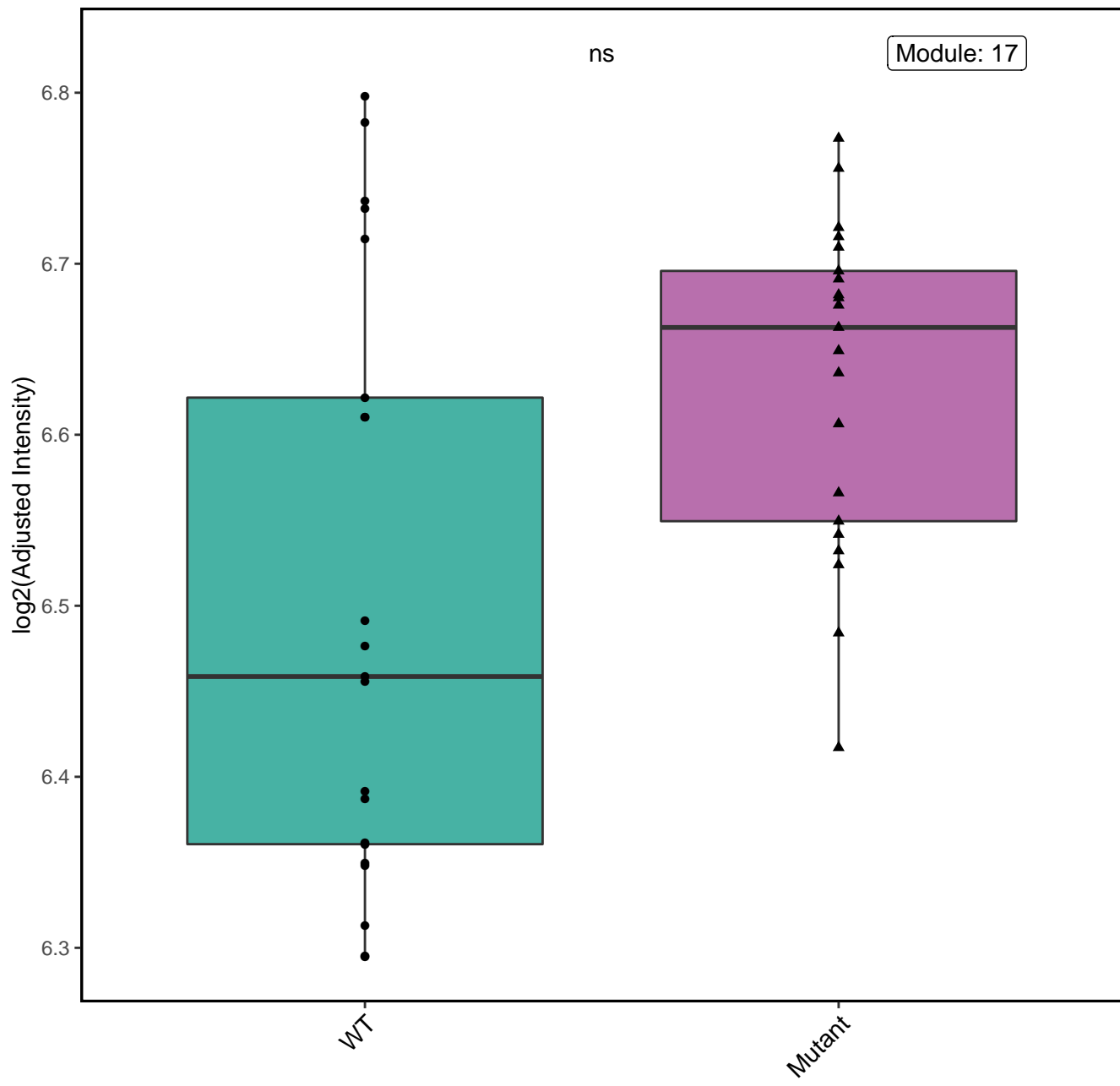




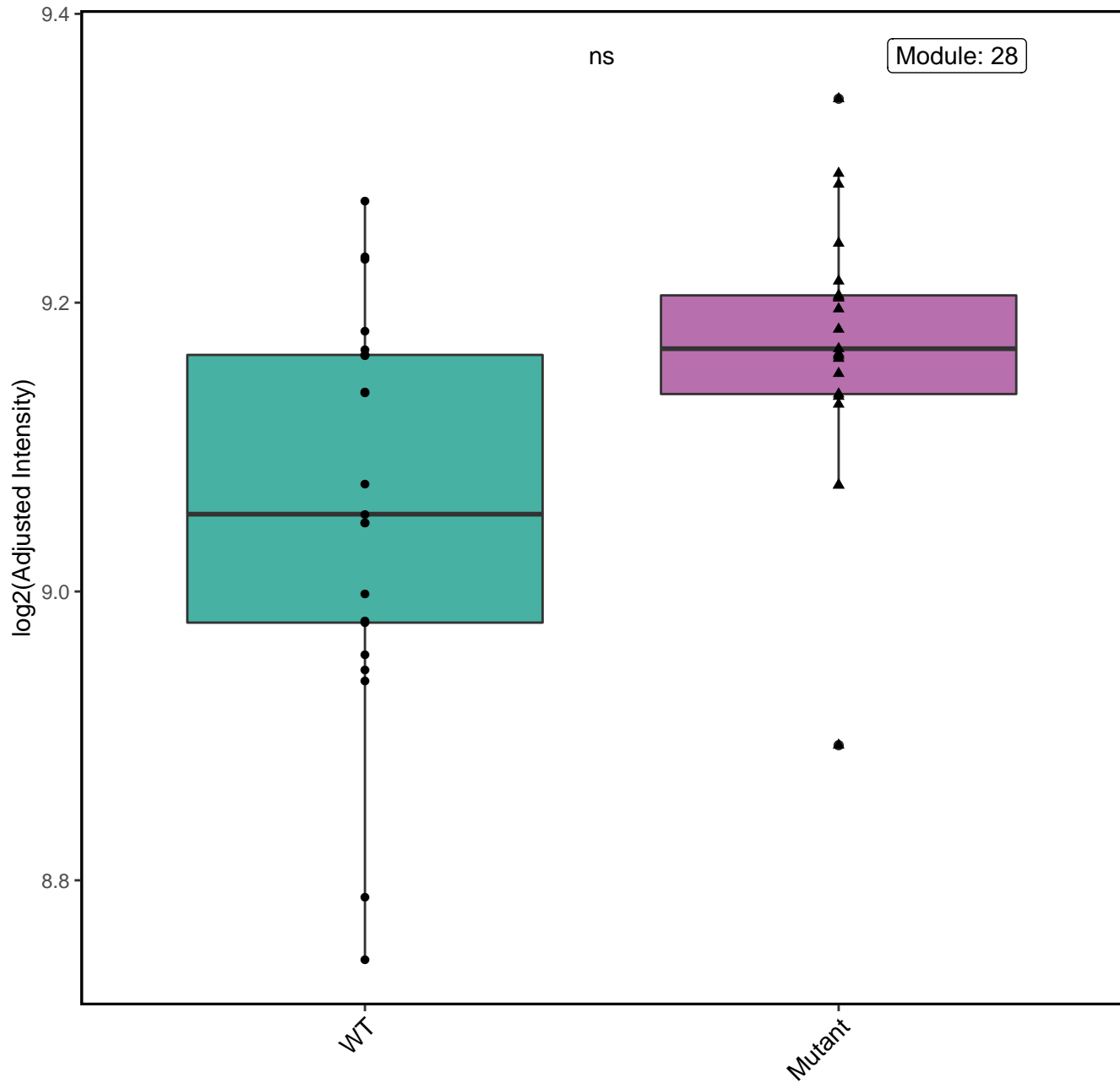


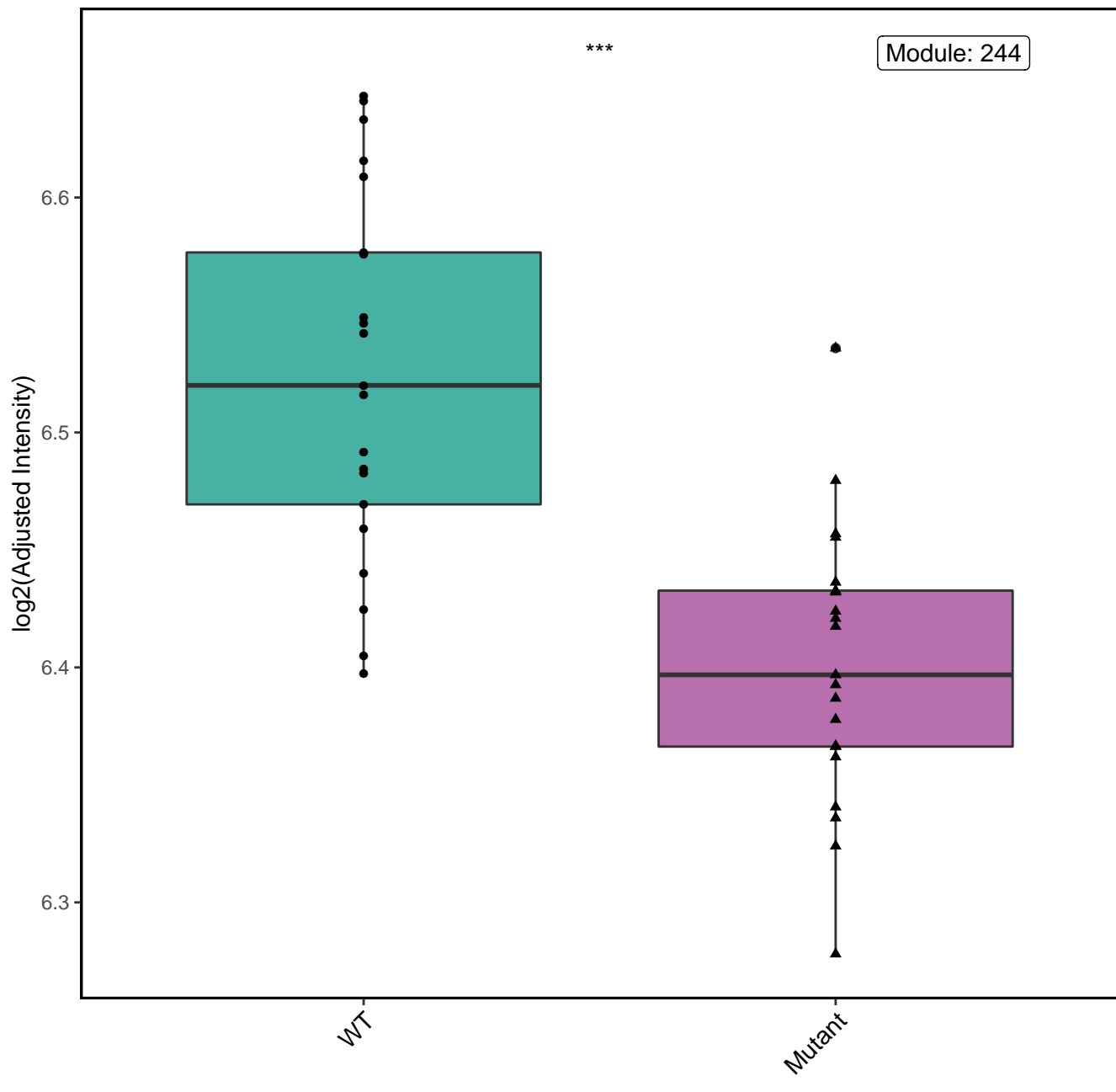


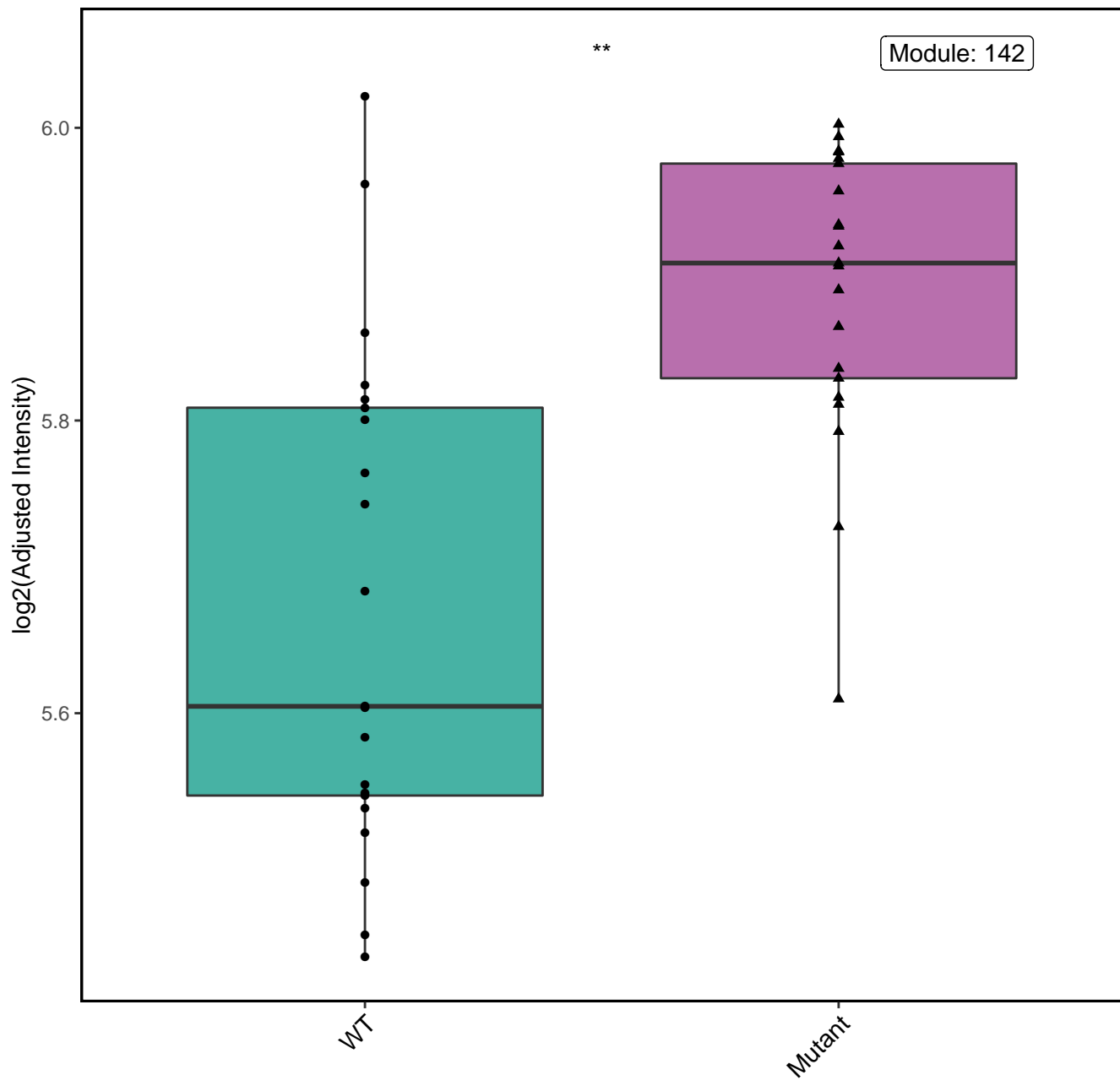


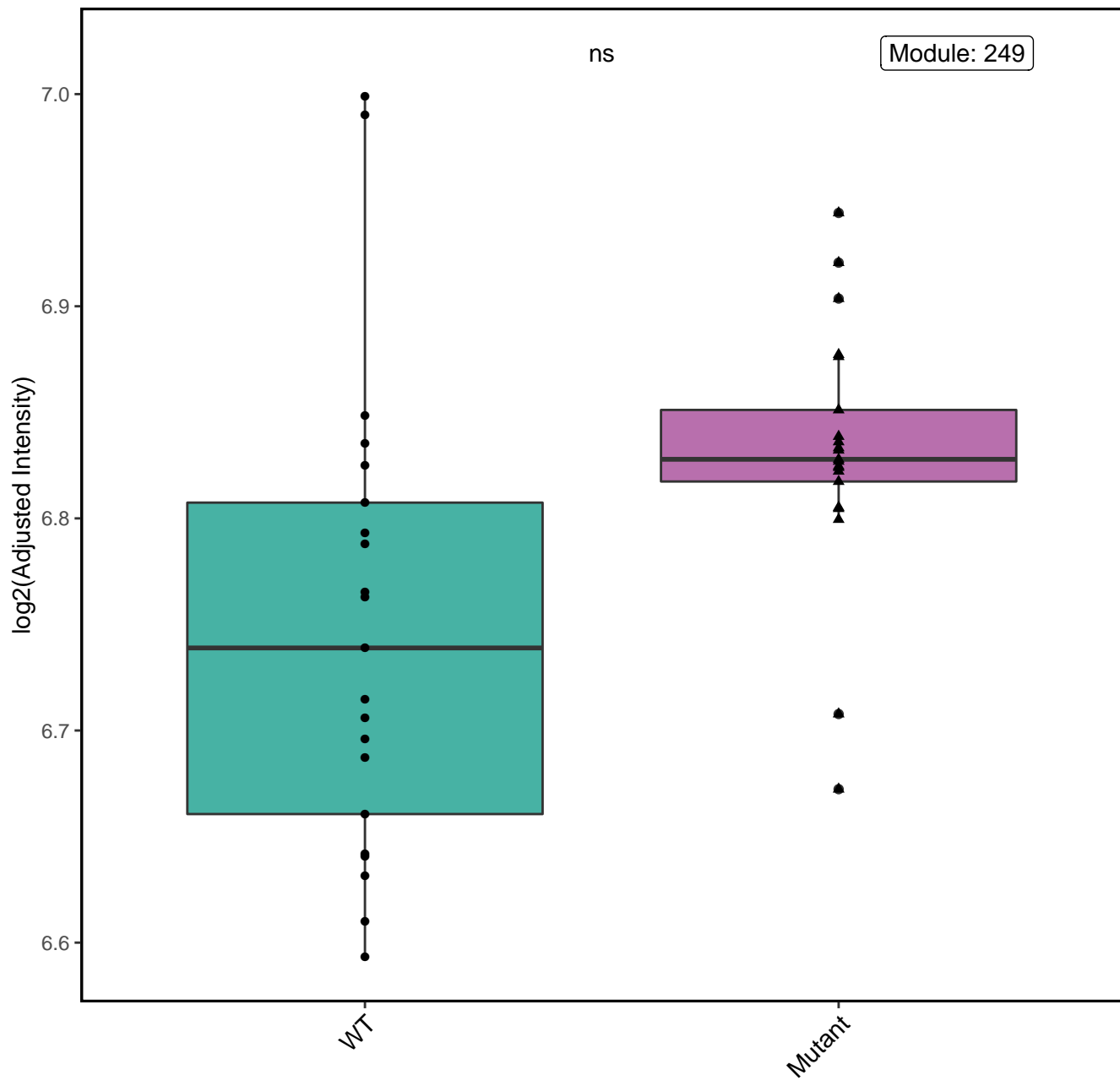


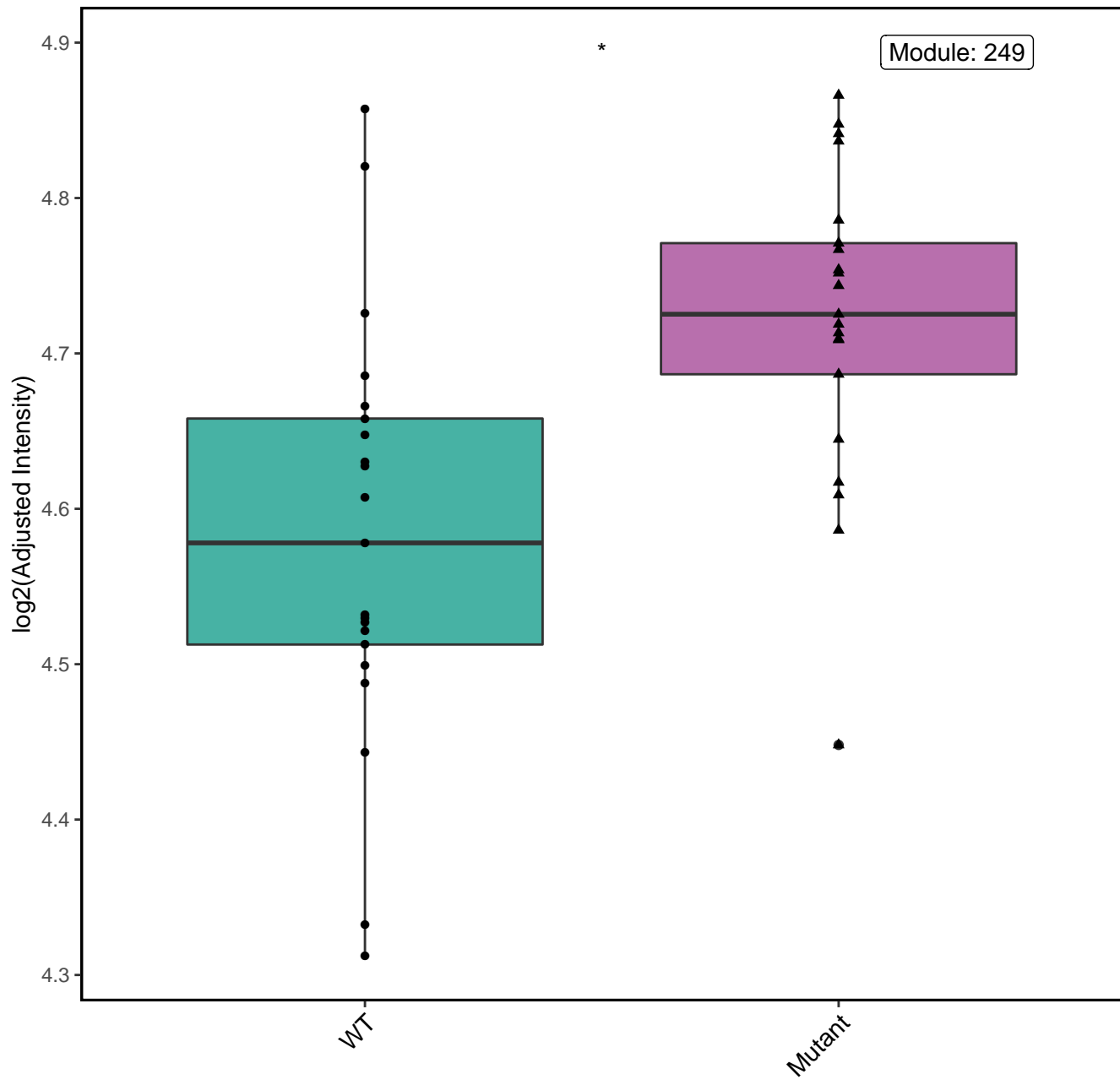


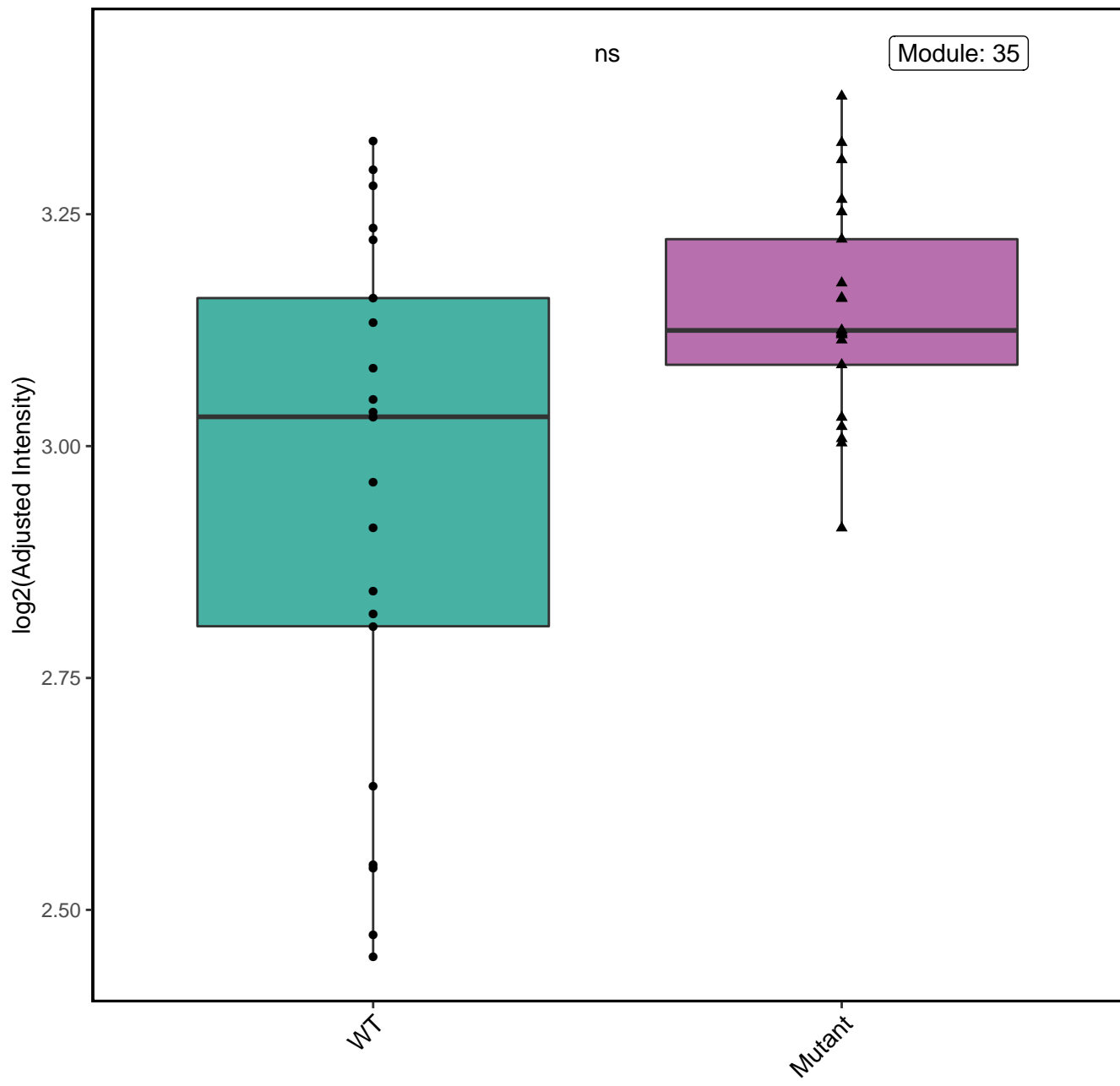


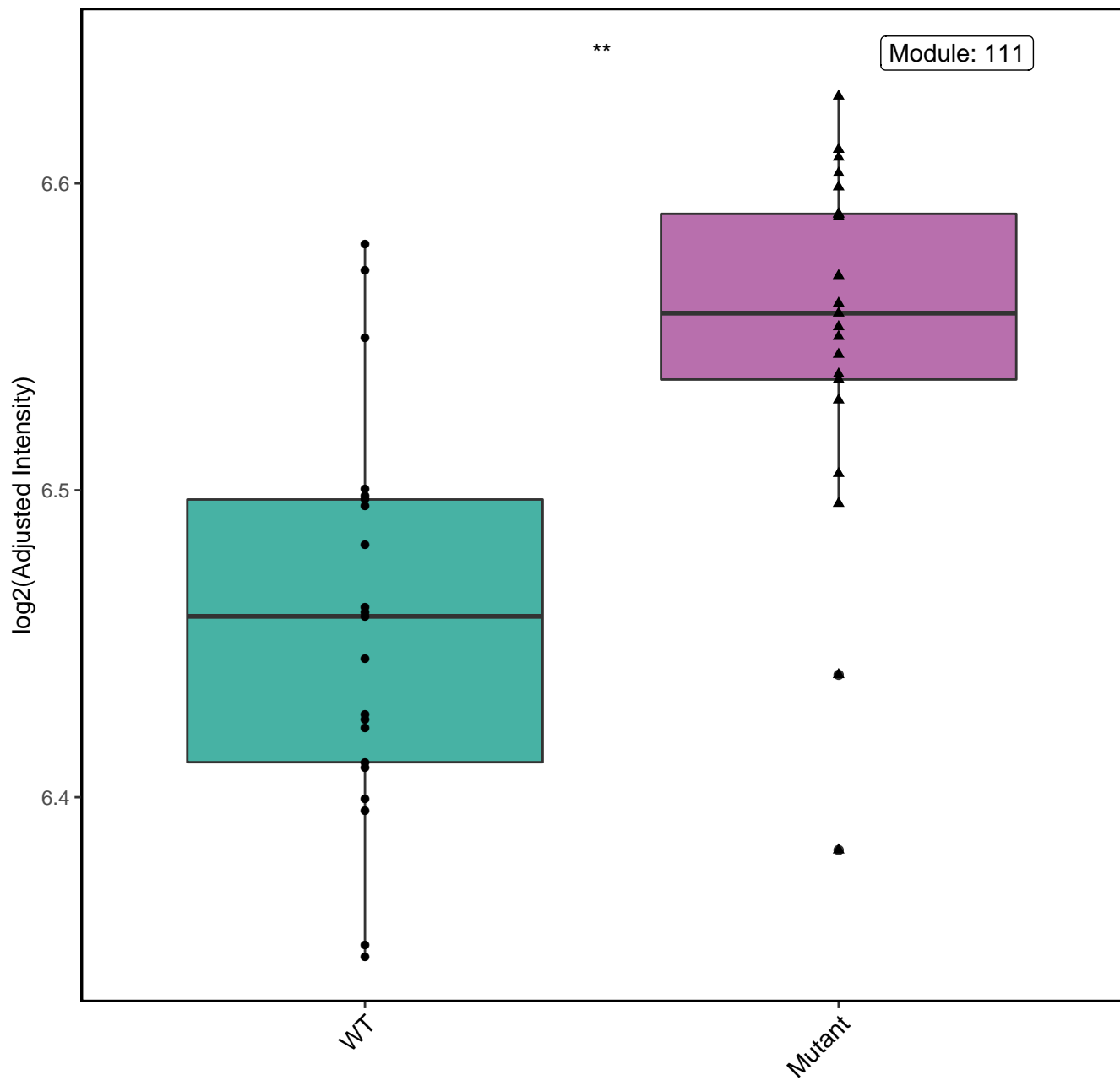












log2(Adjusted Intensity)

7.2

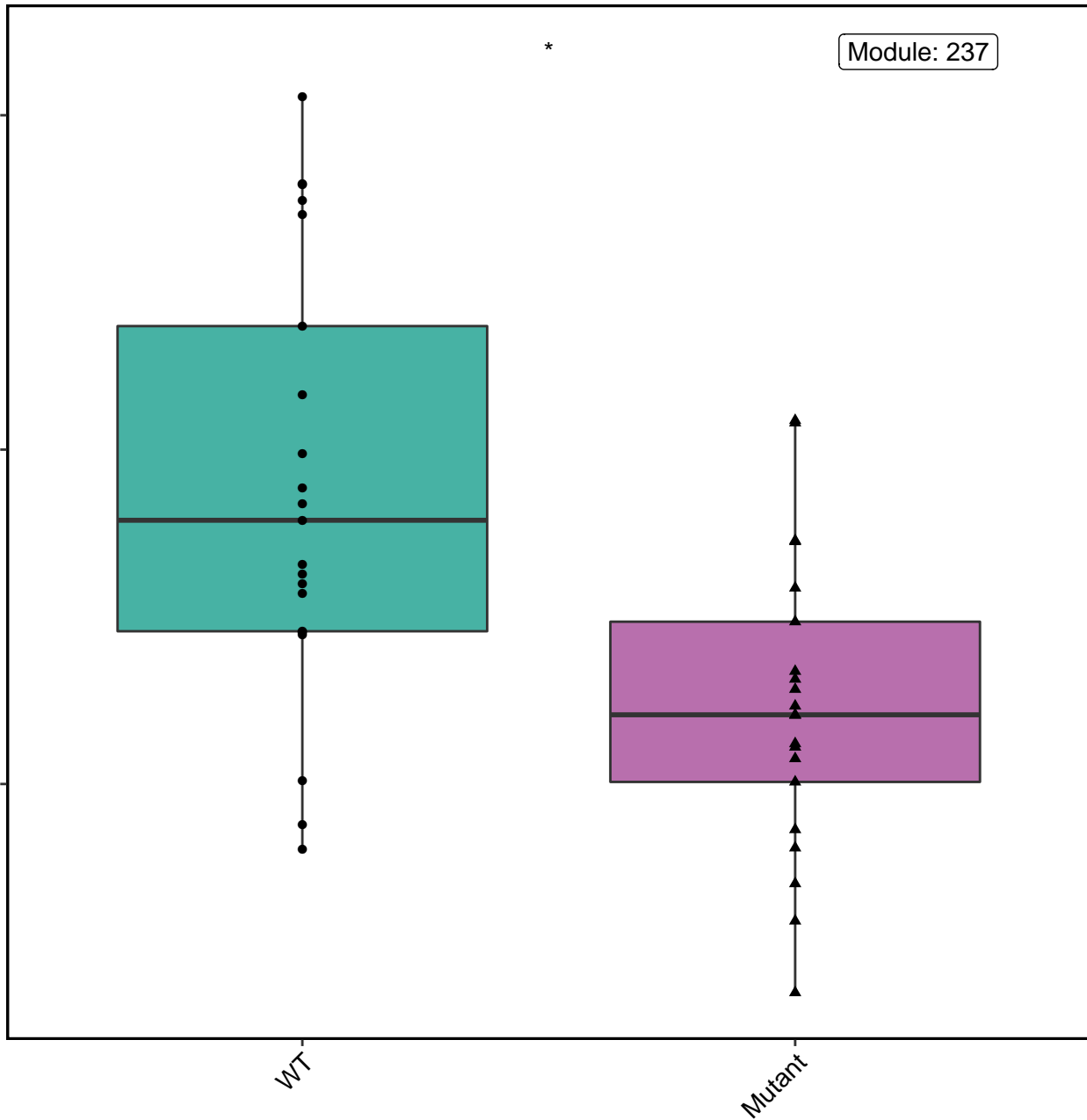
7.1

7.0

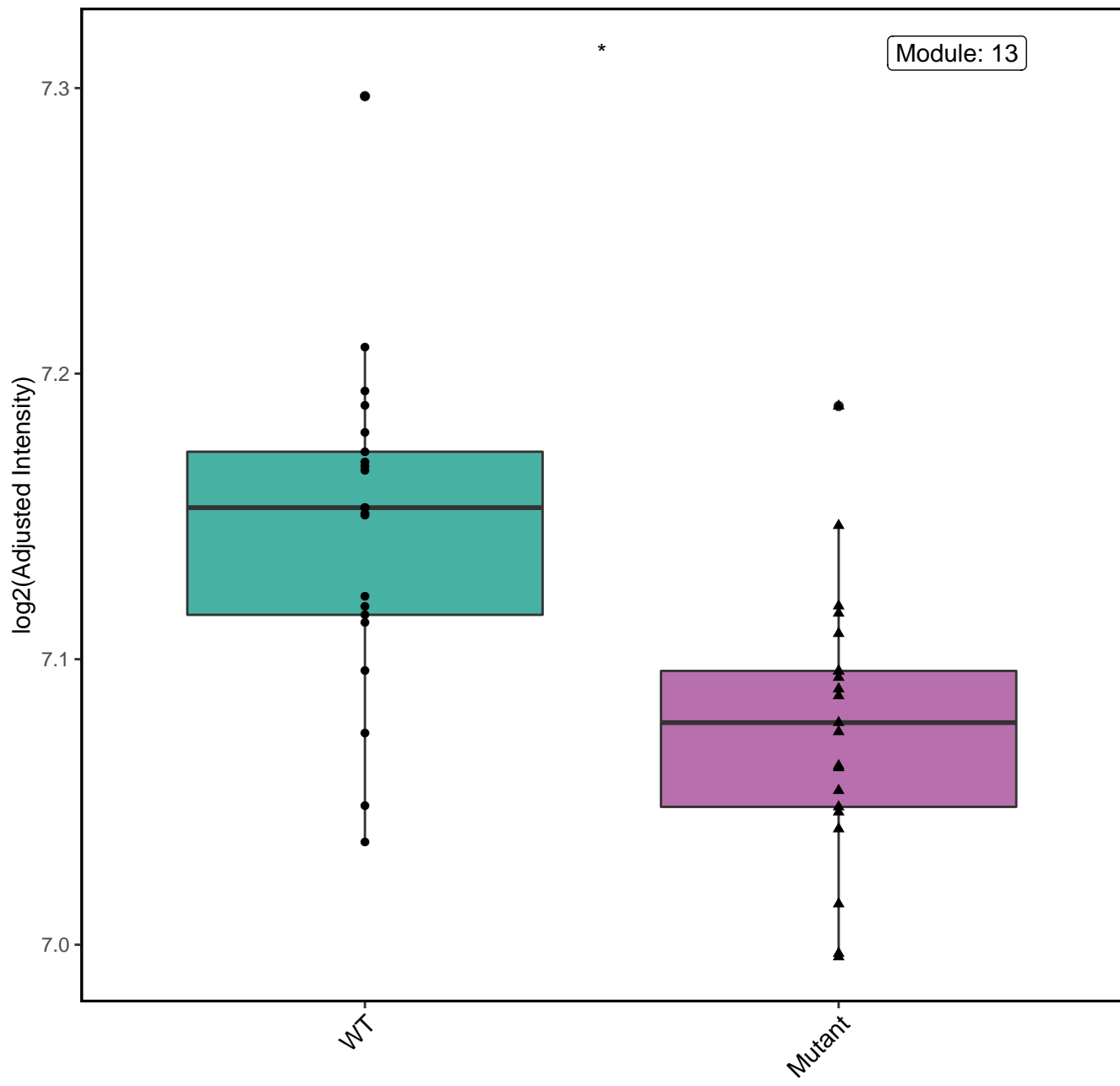
WT

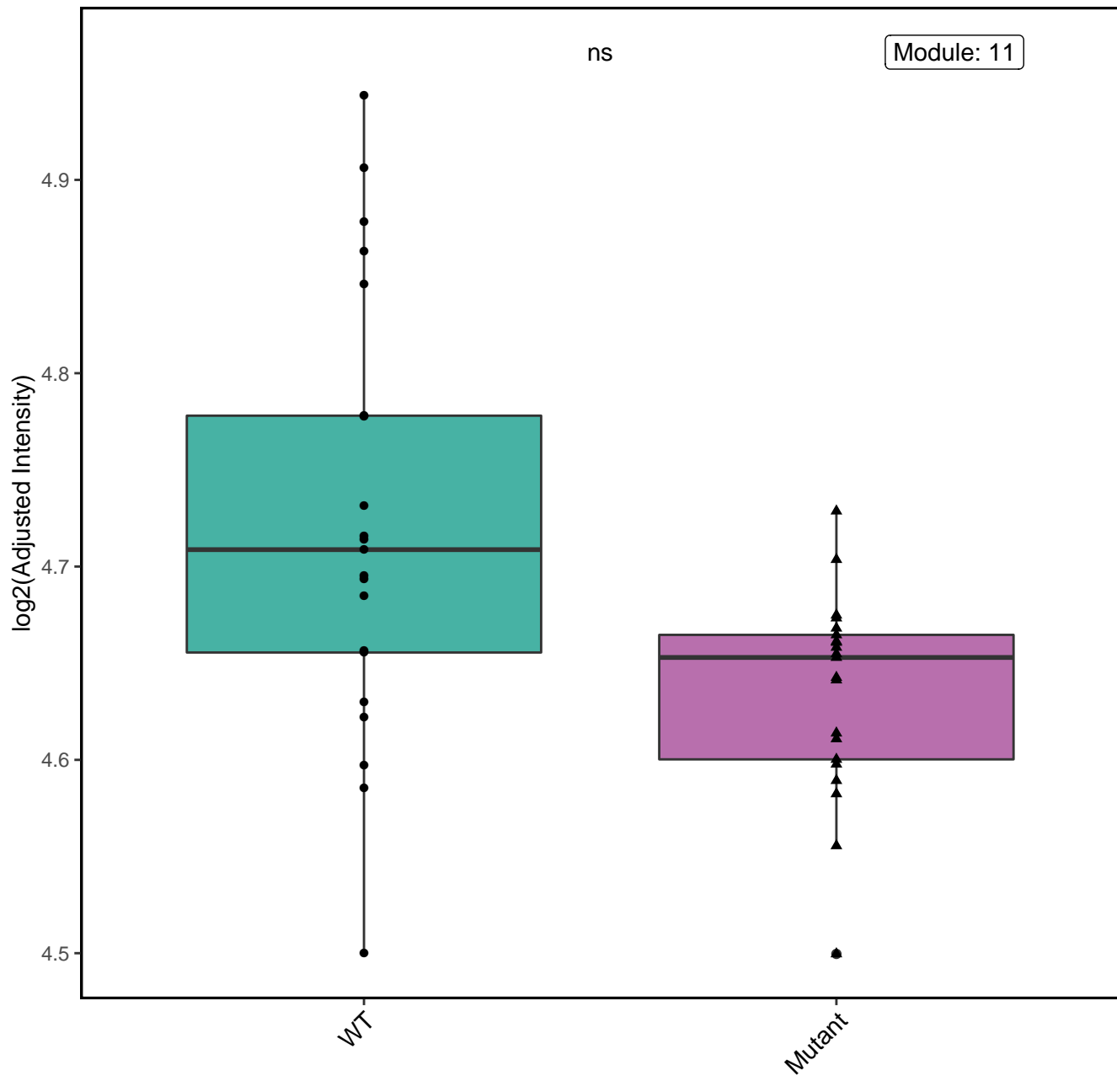
Mutant

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log2(Adjusted Intensity)

8.1

8.0

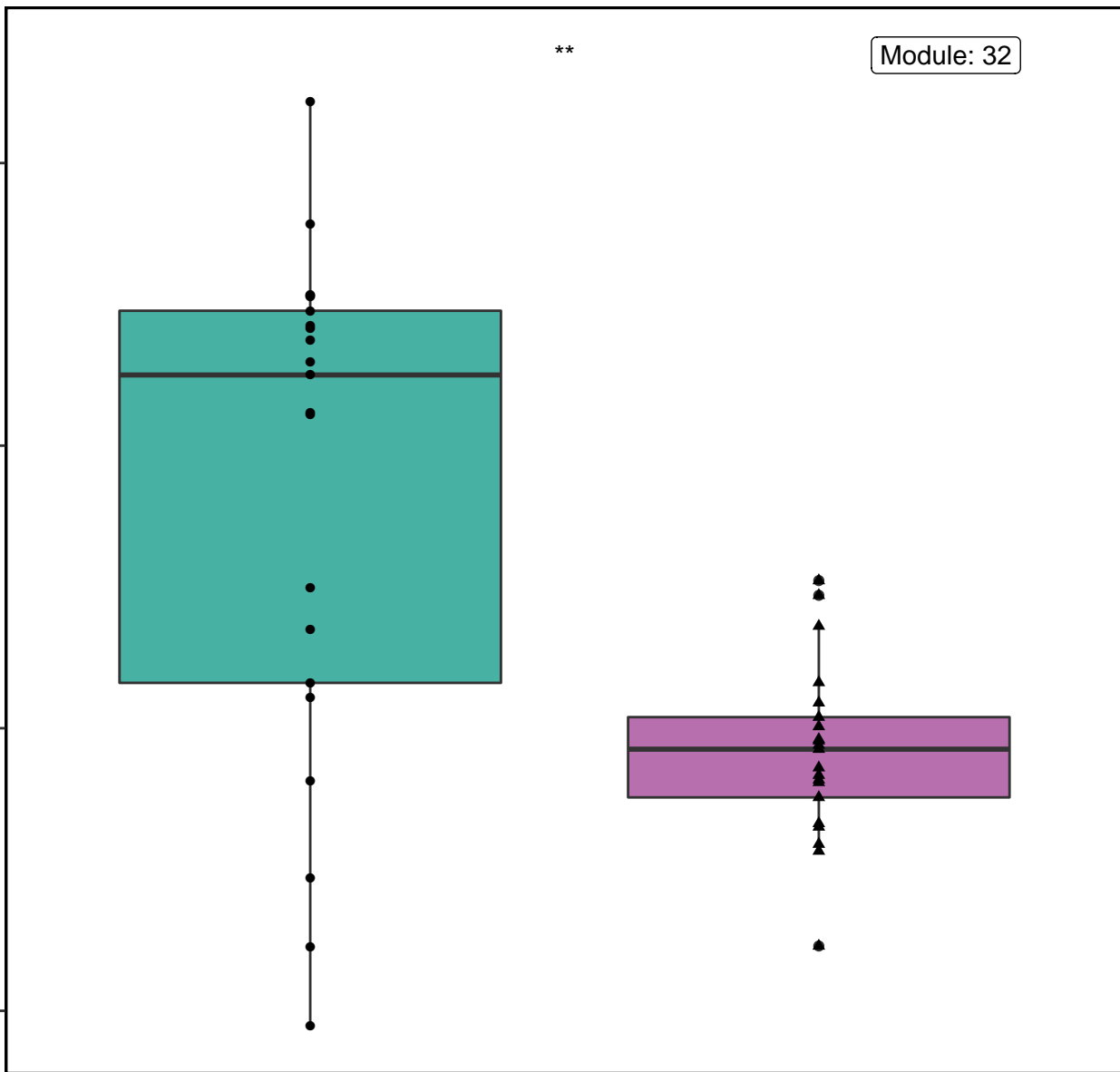
7.9

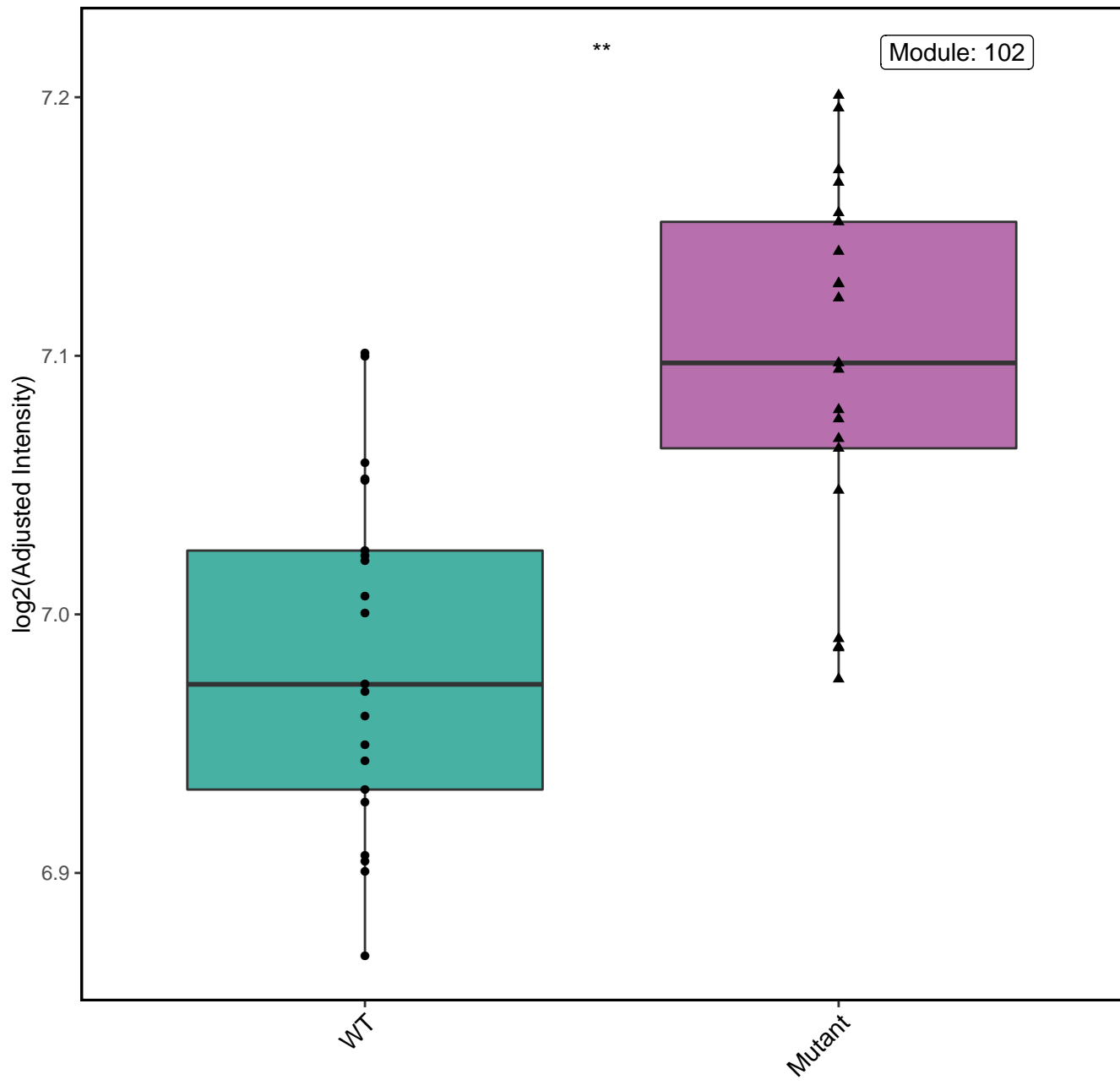
7.8

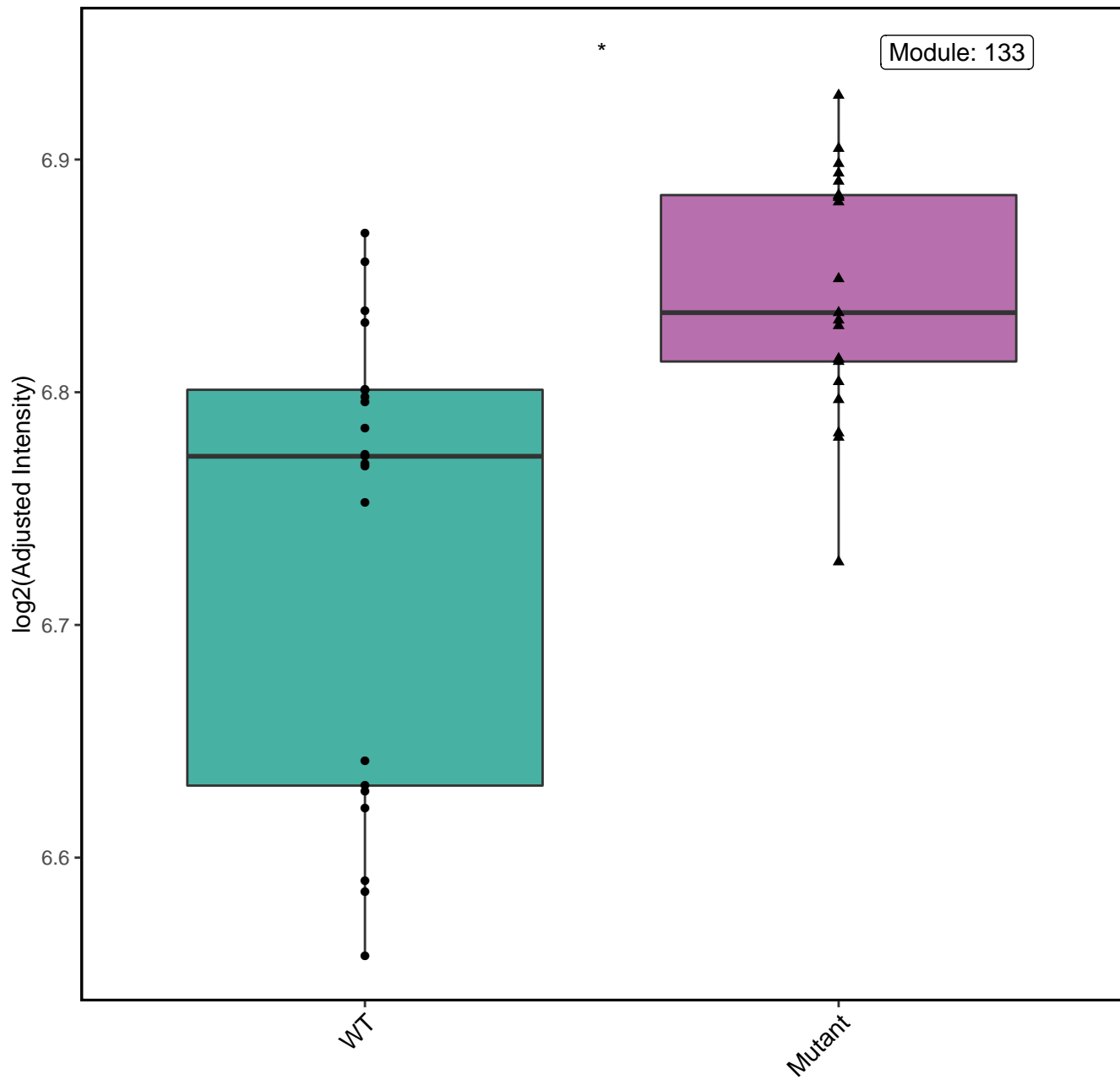
WT

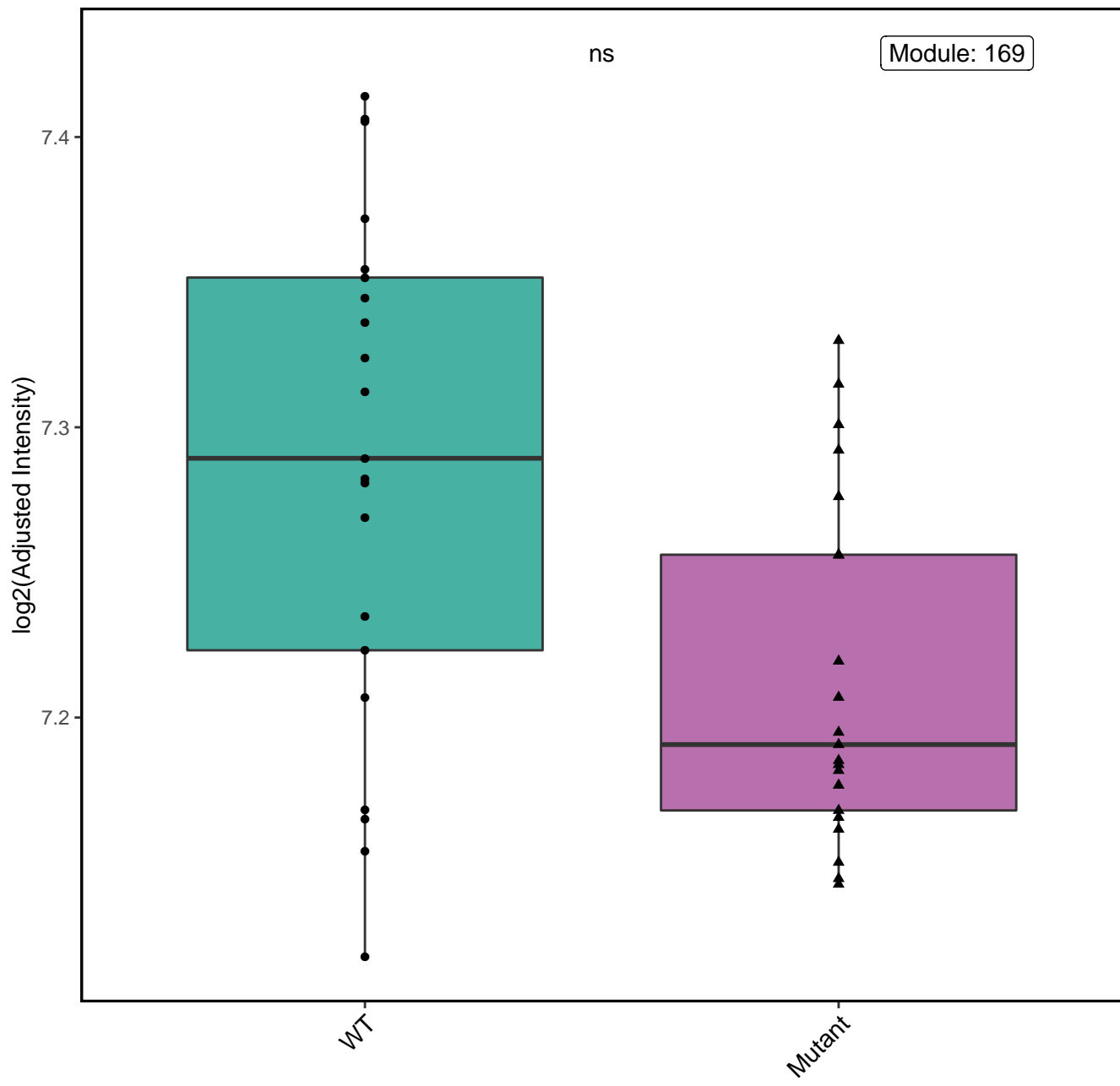
Mutant

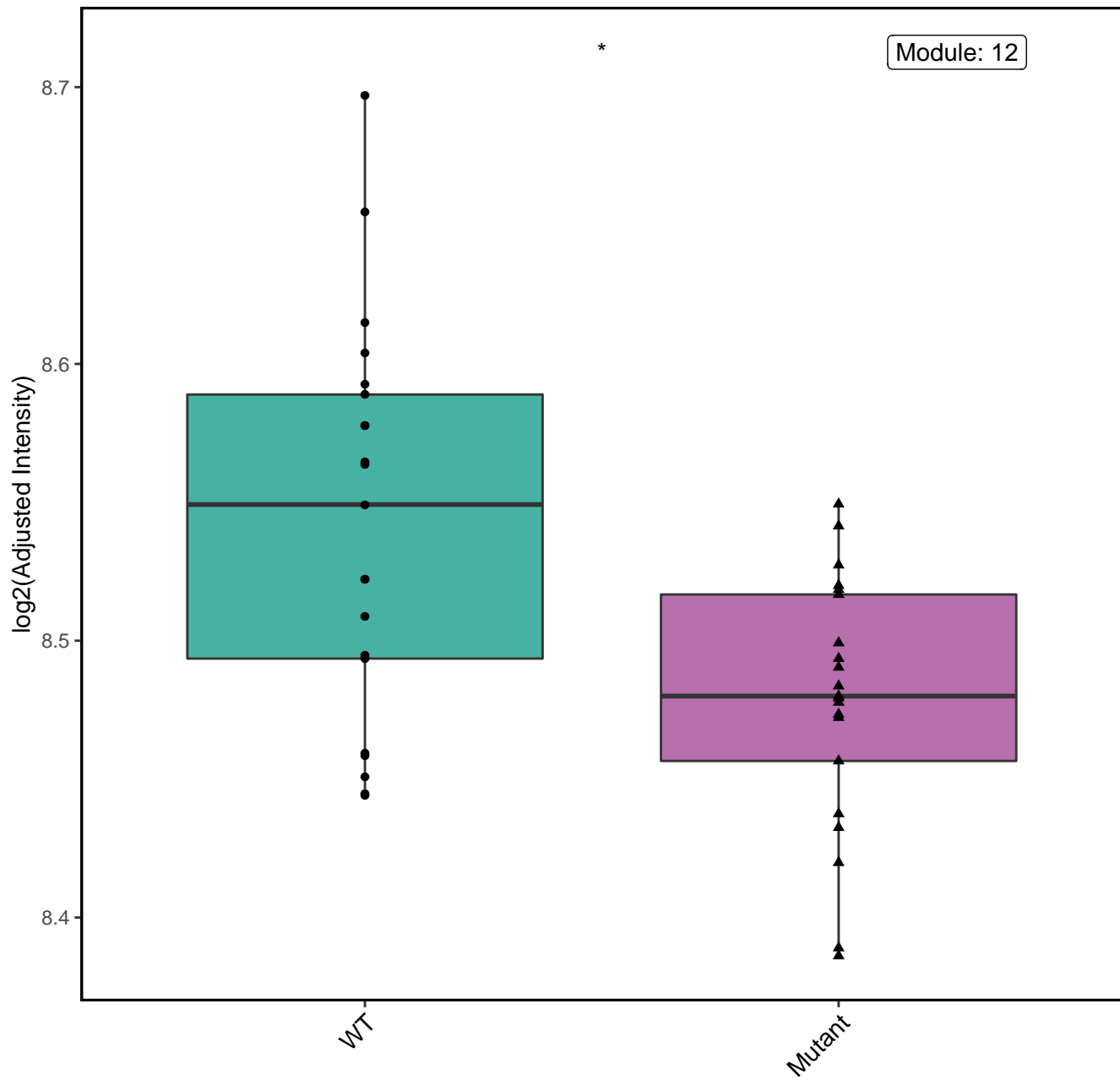
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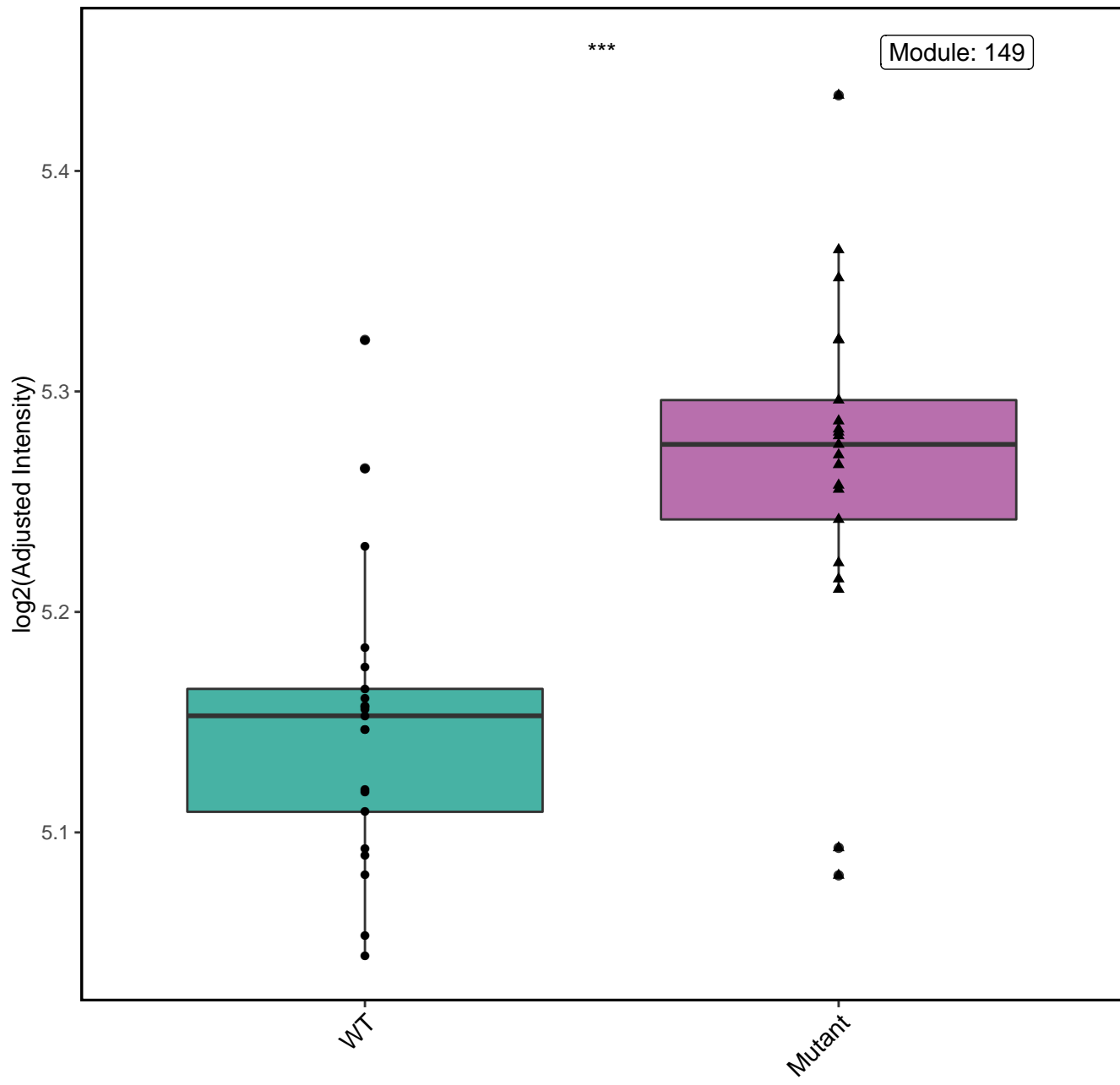




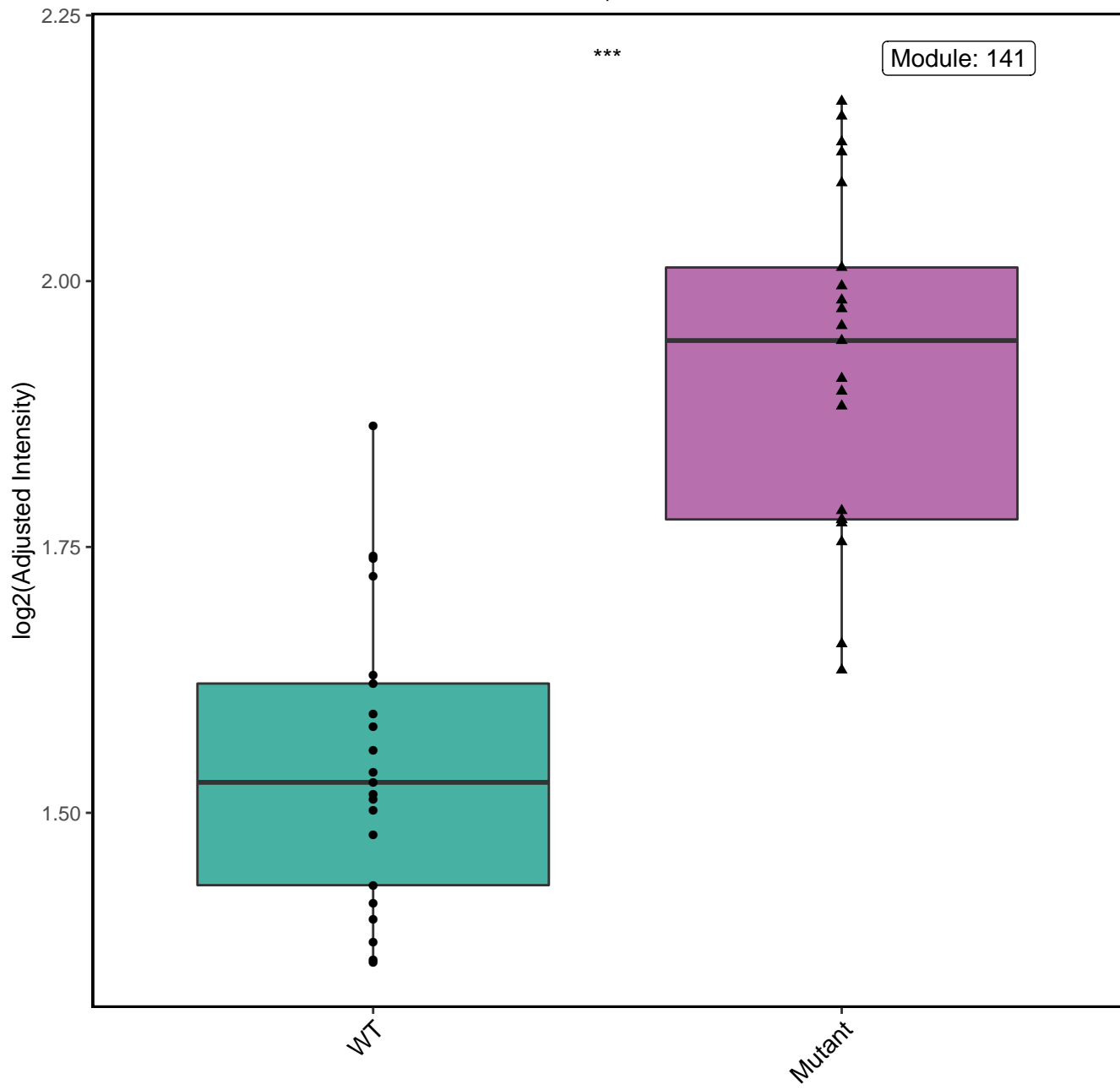


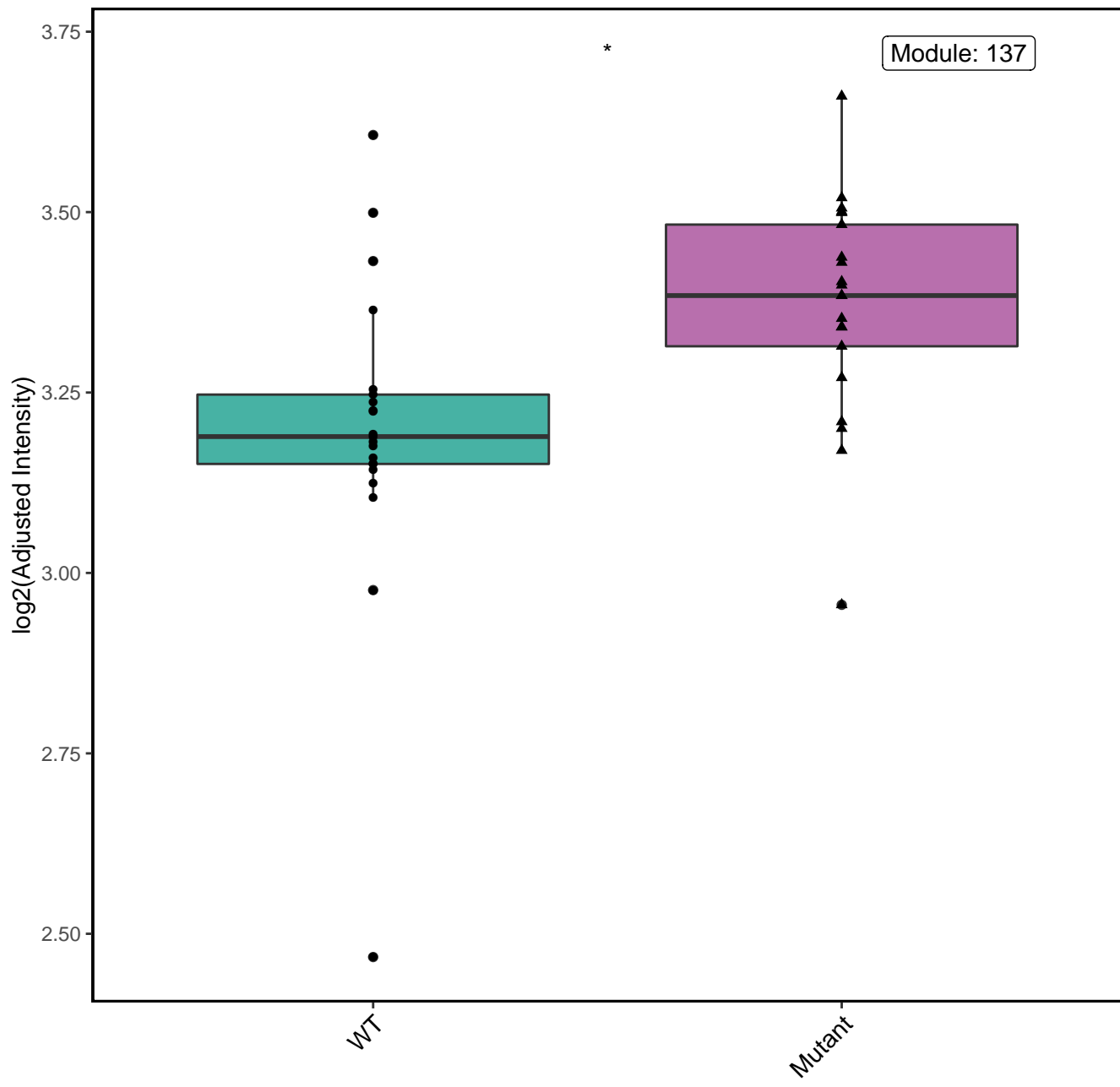


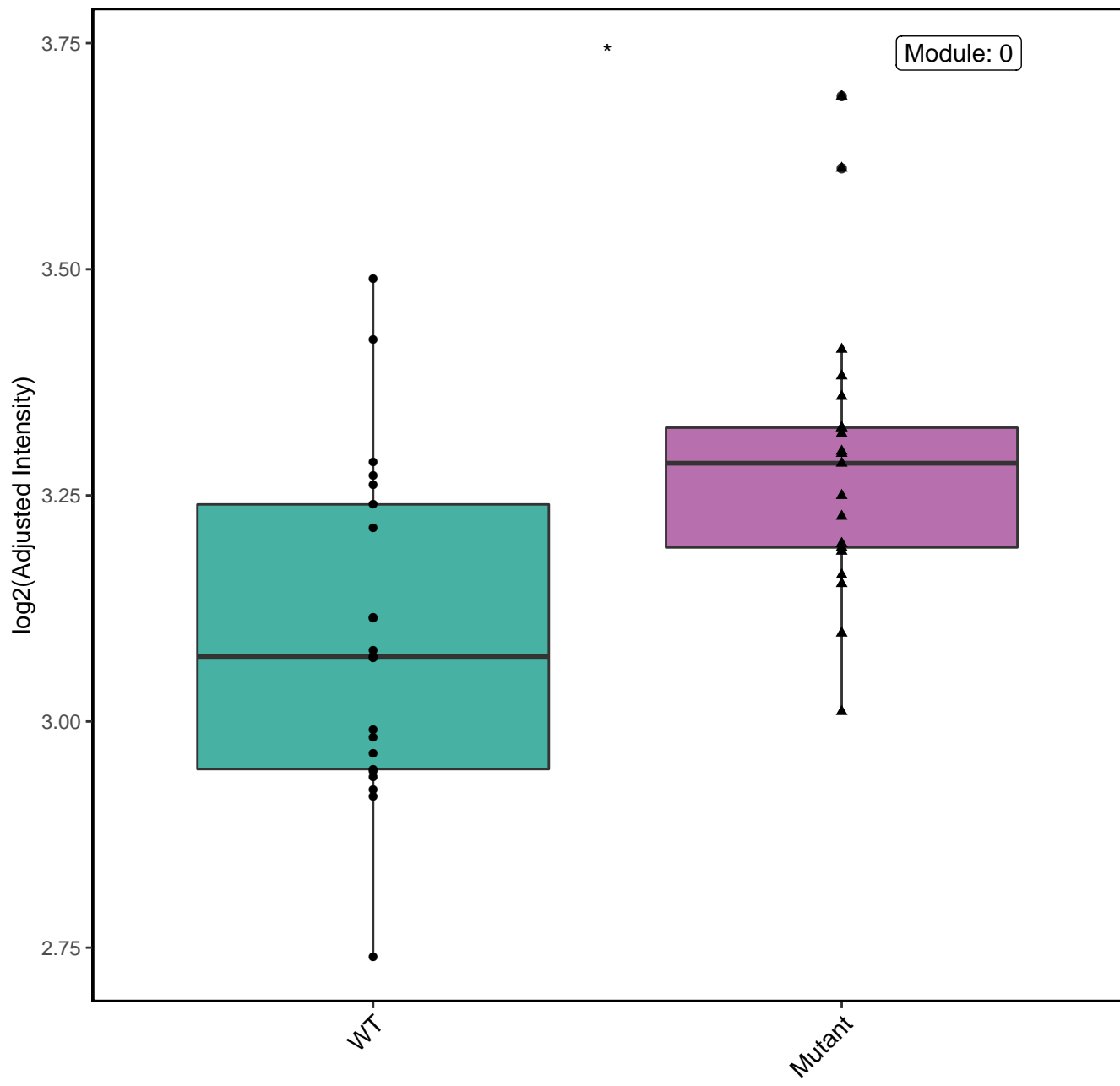












log2(Adjusted Intensity)

Module: 142

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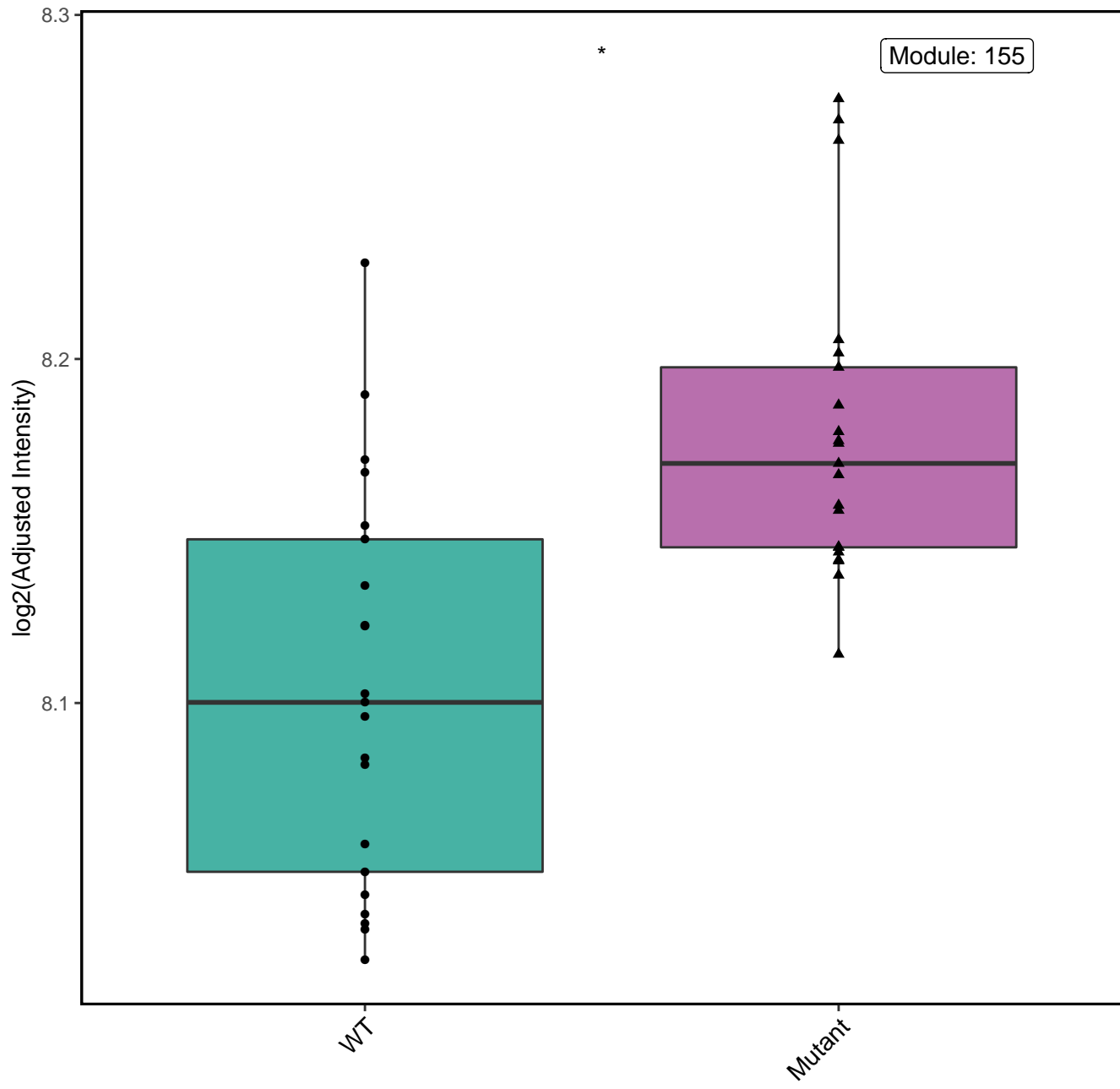
WT

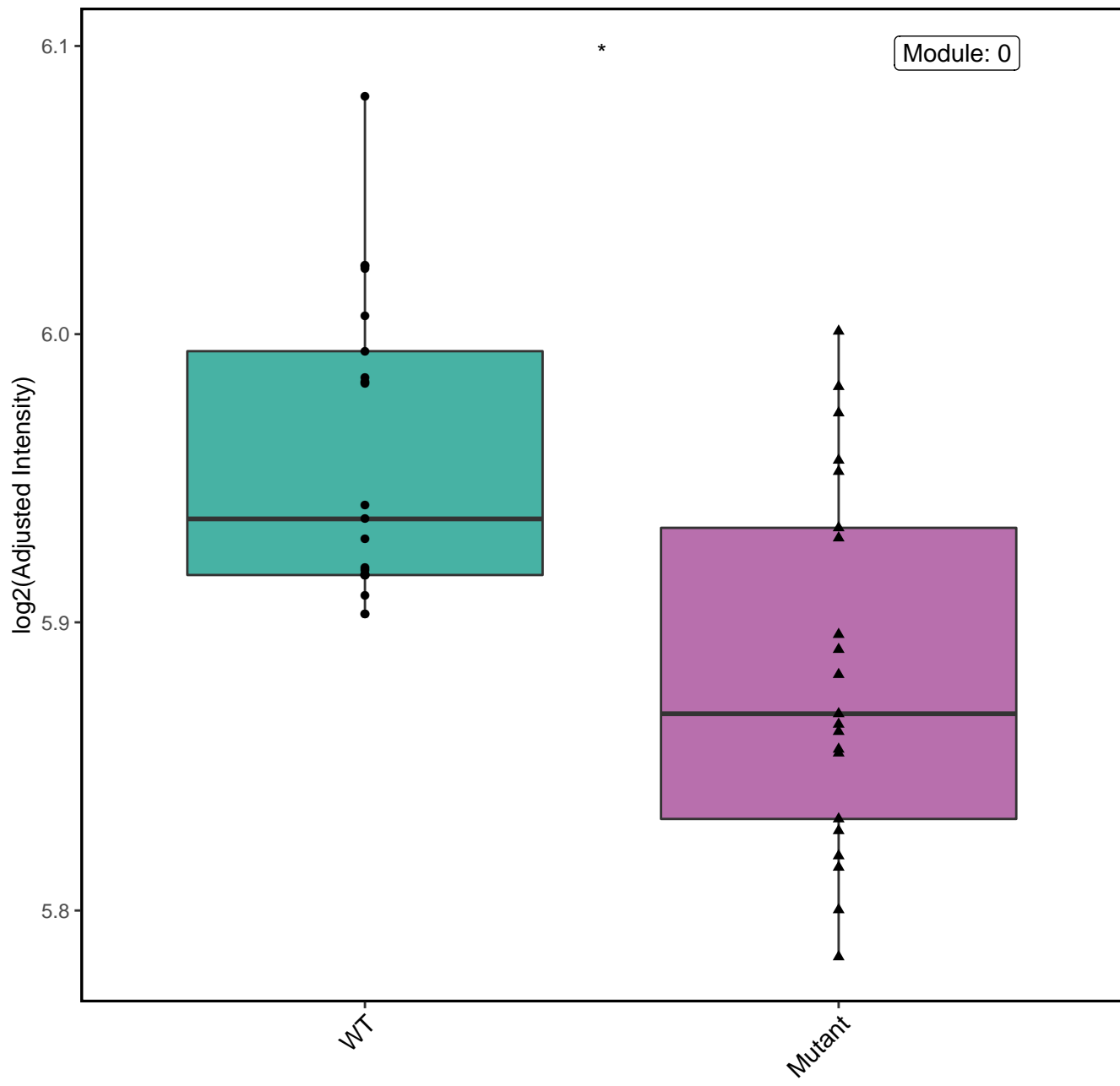
Mutant

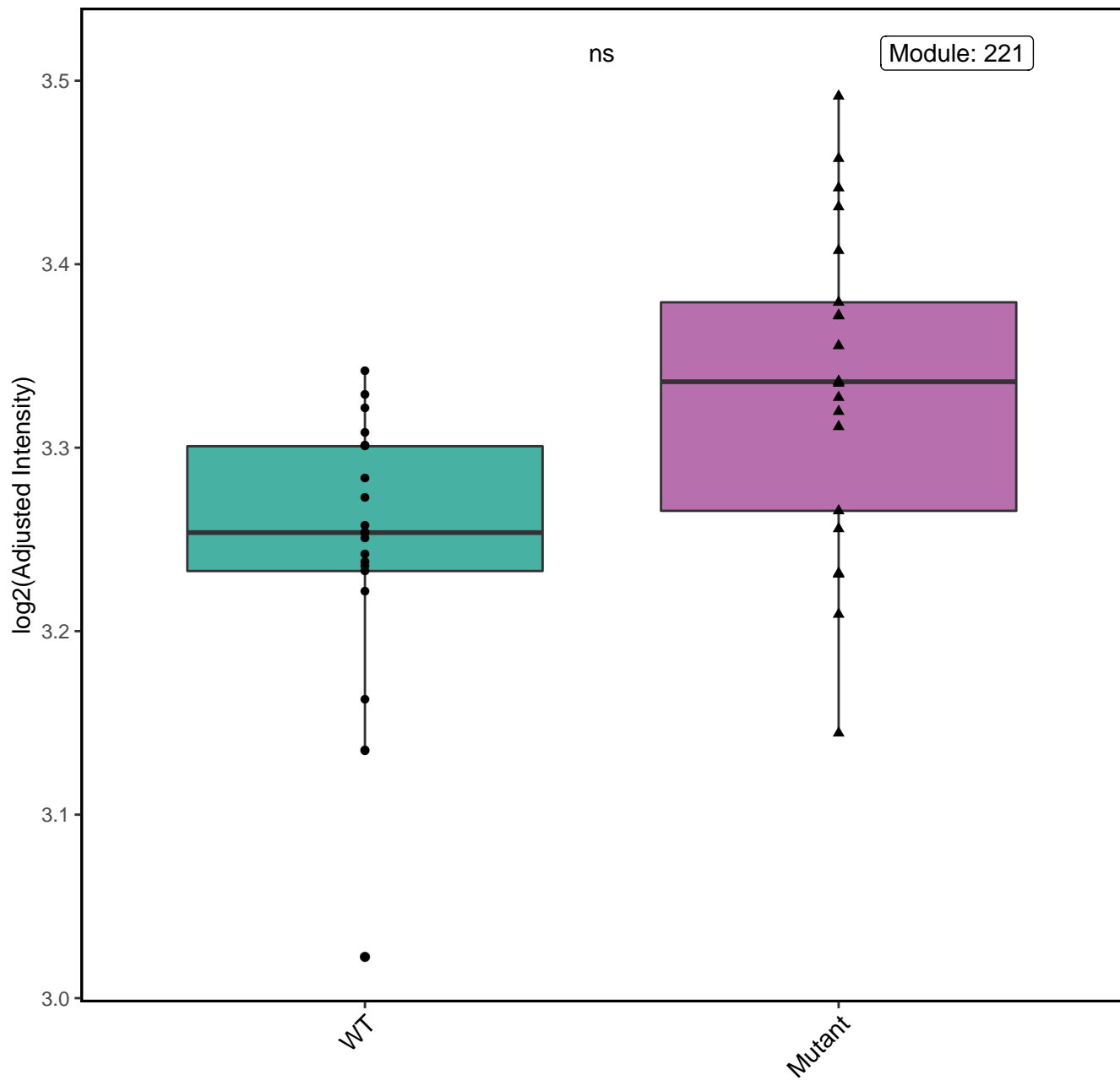
4.6

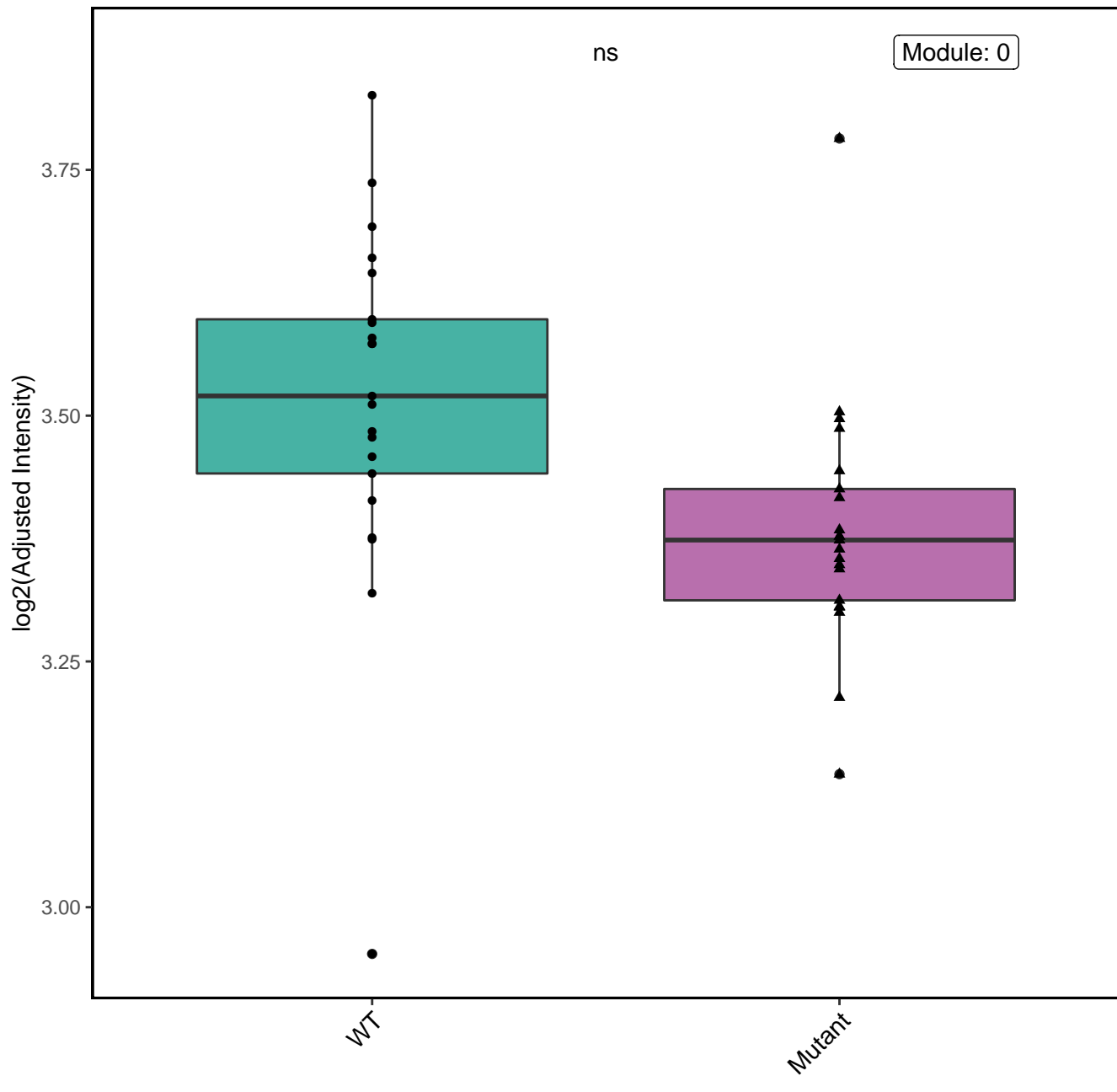
4.4

4.2

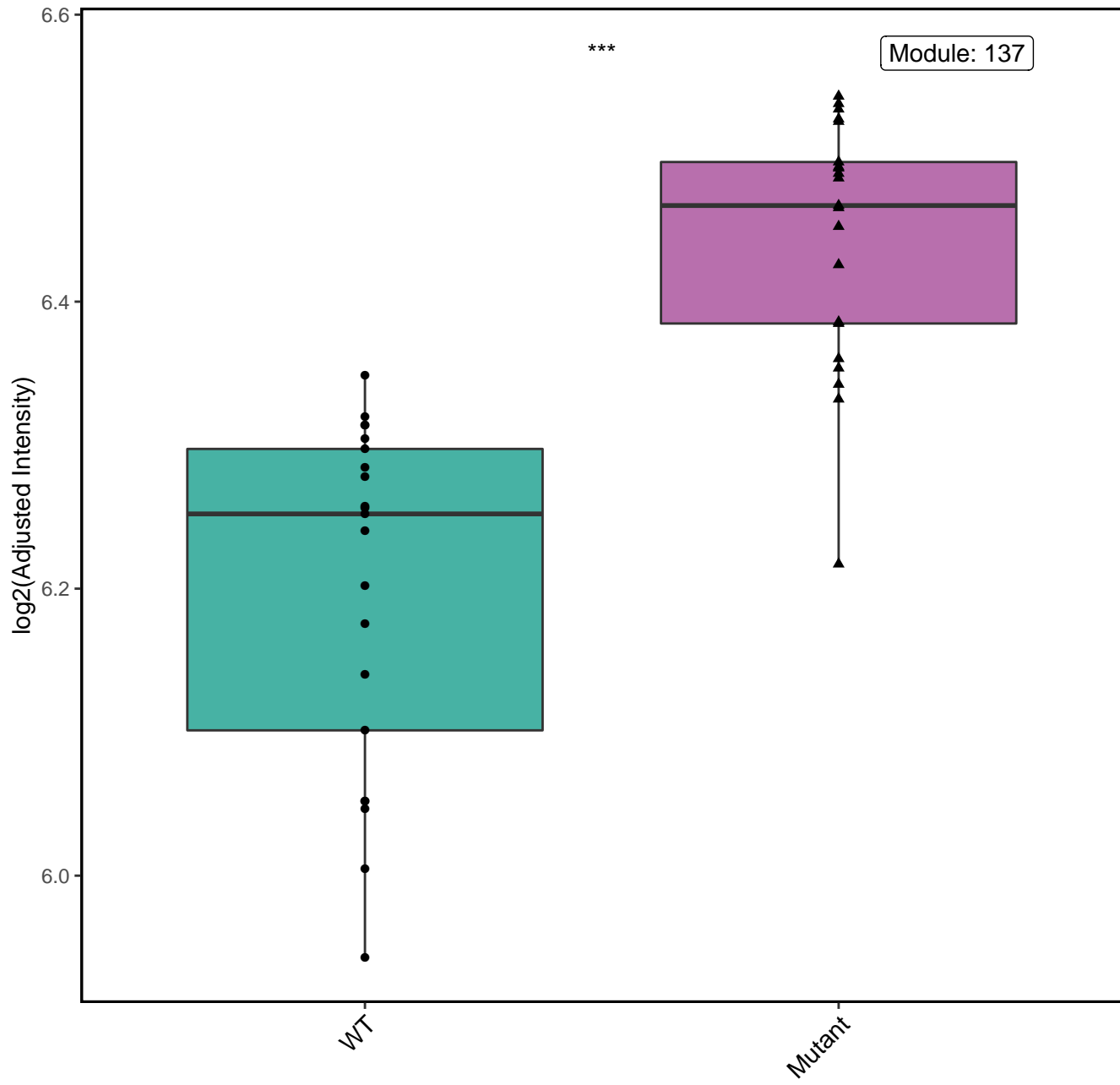


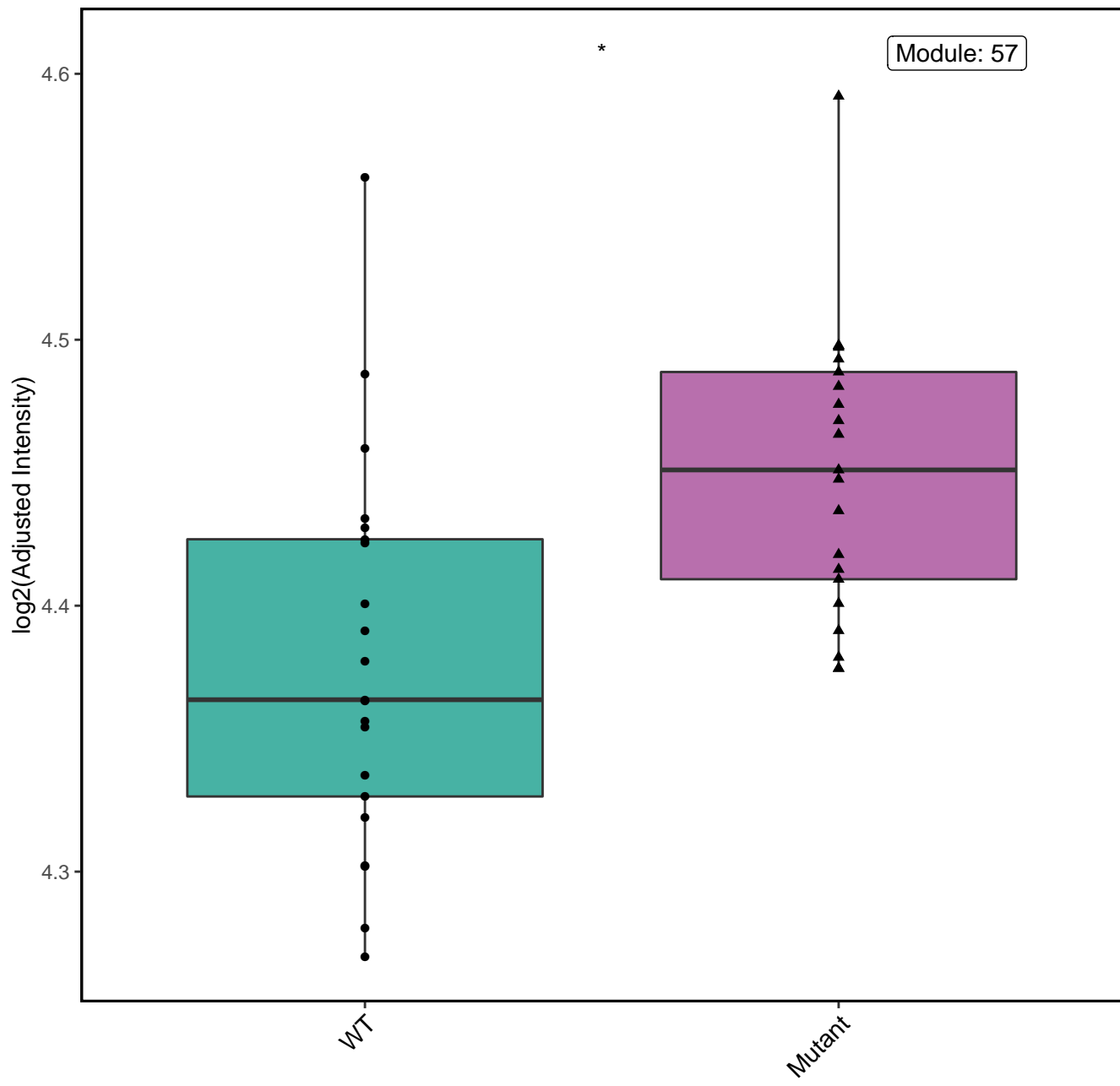


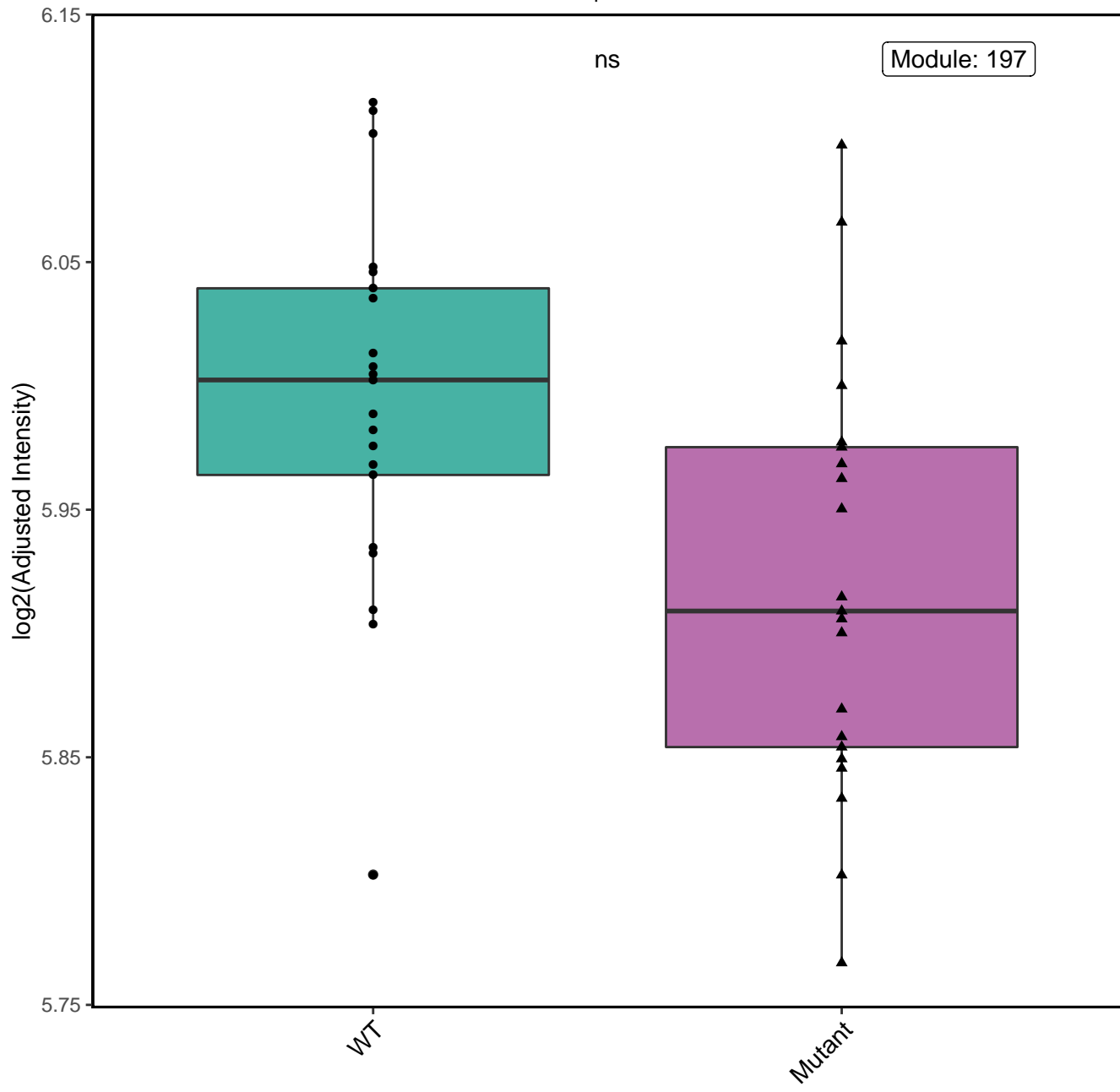












log2(Adjusted Intensity)

9.3

9.2

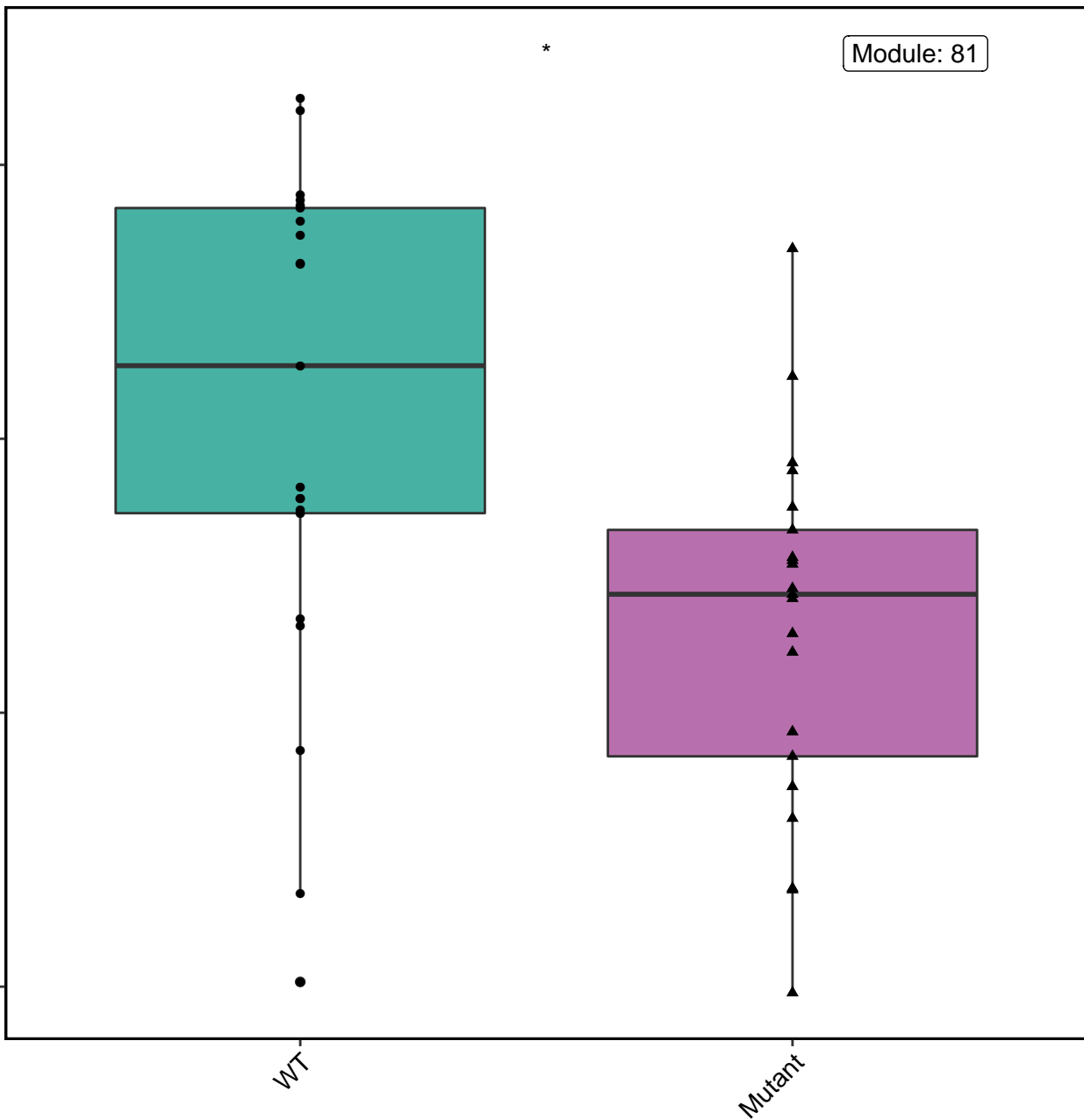
9.1

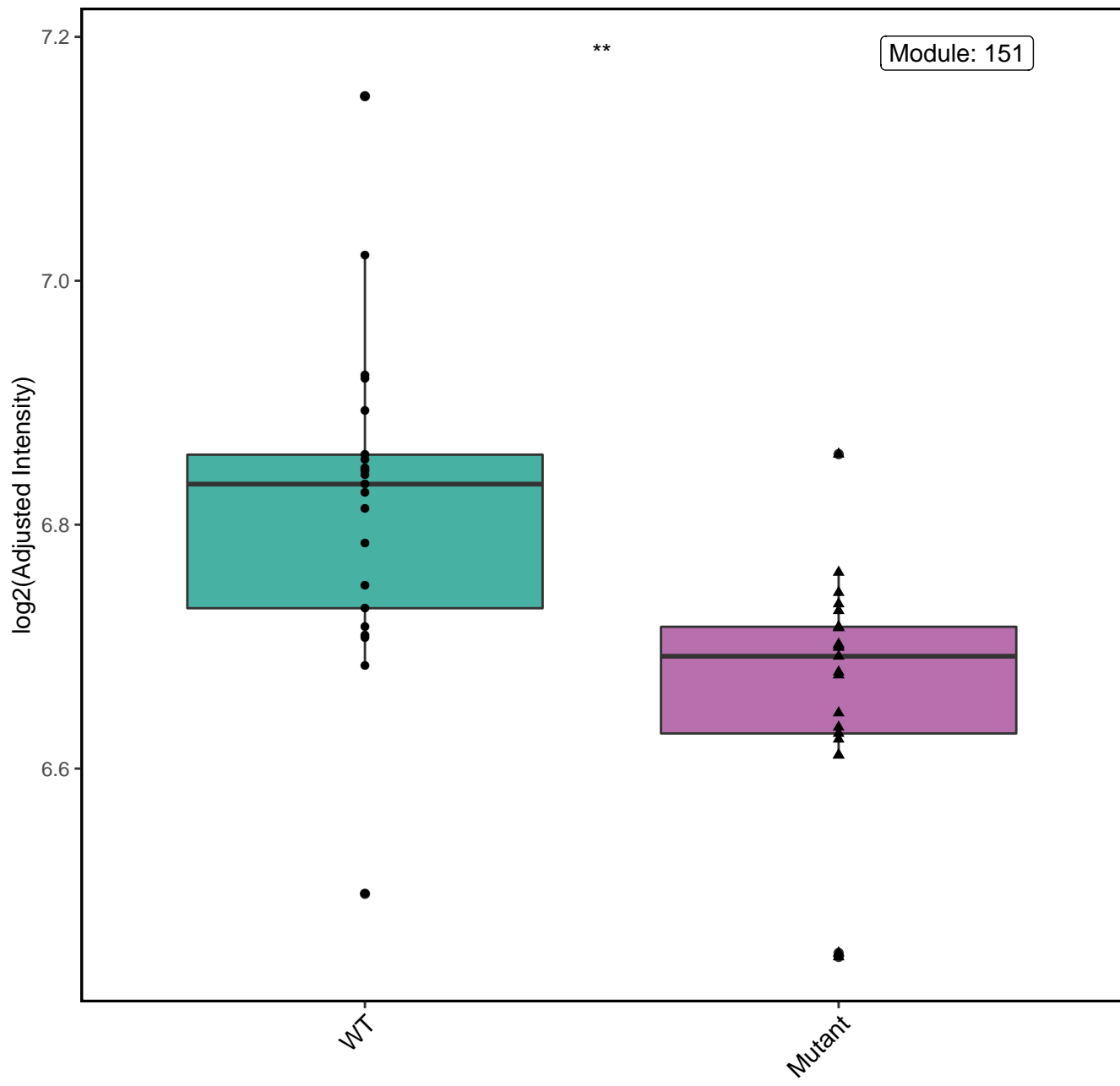
9.0

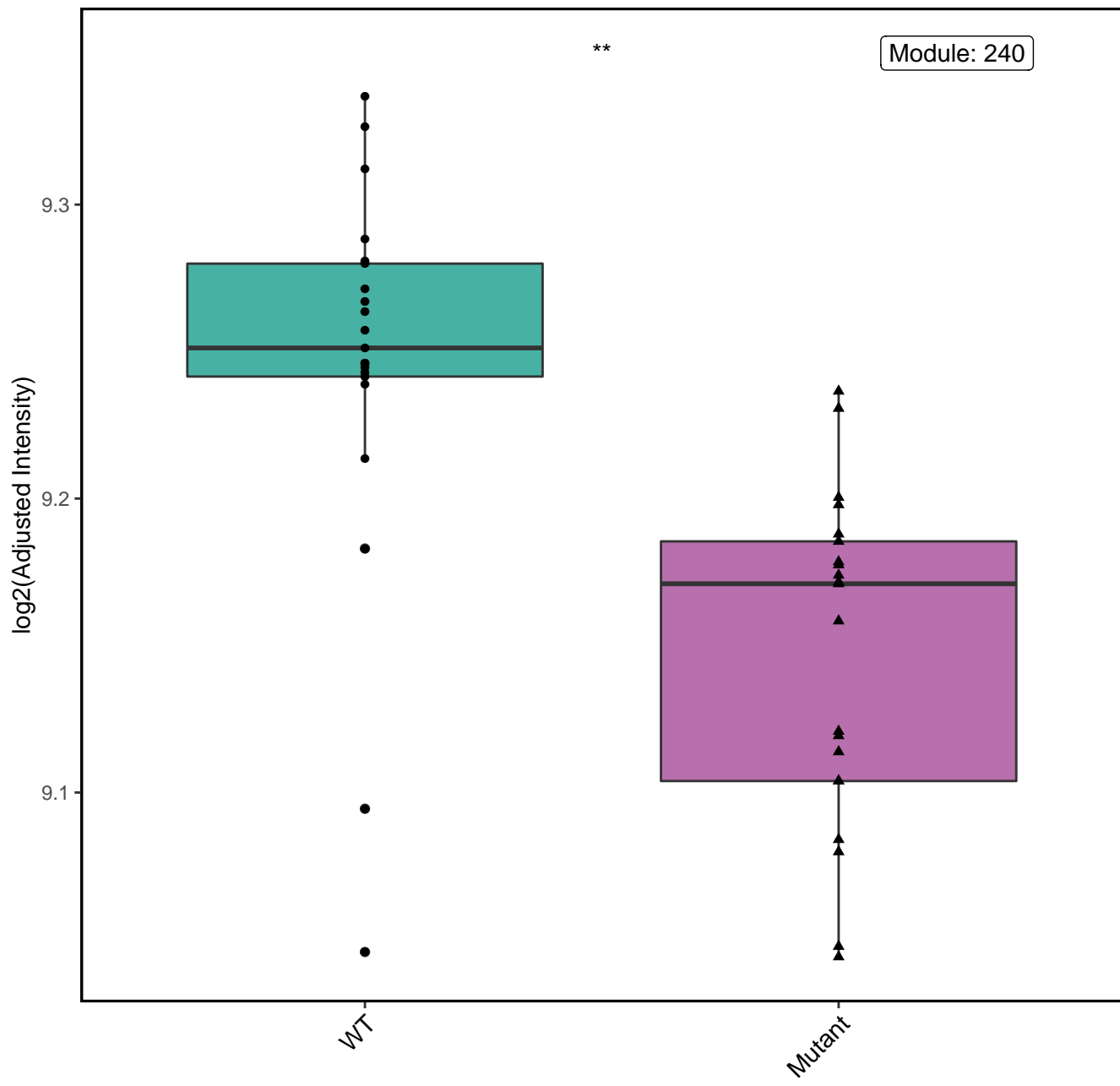
WT

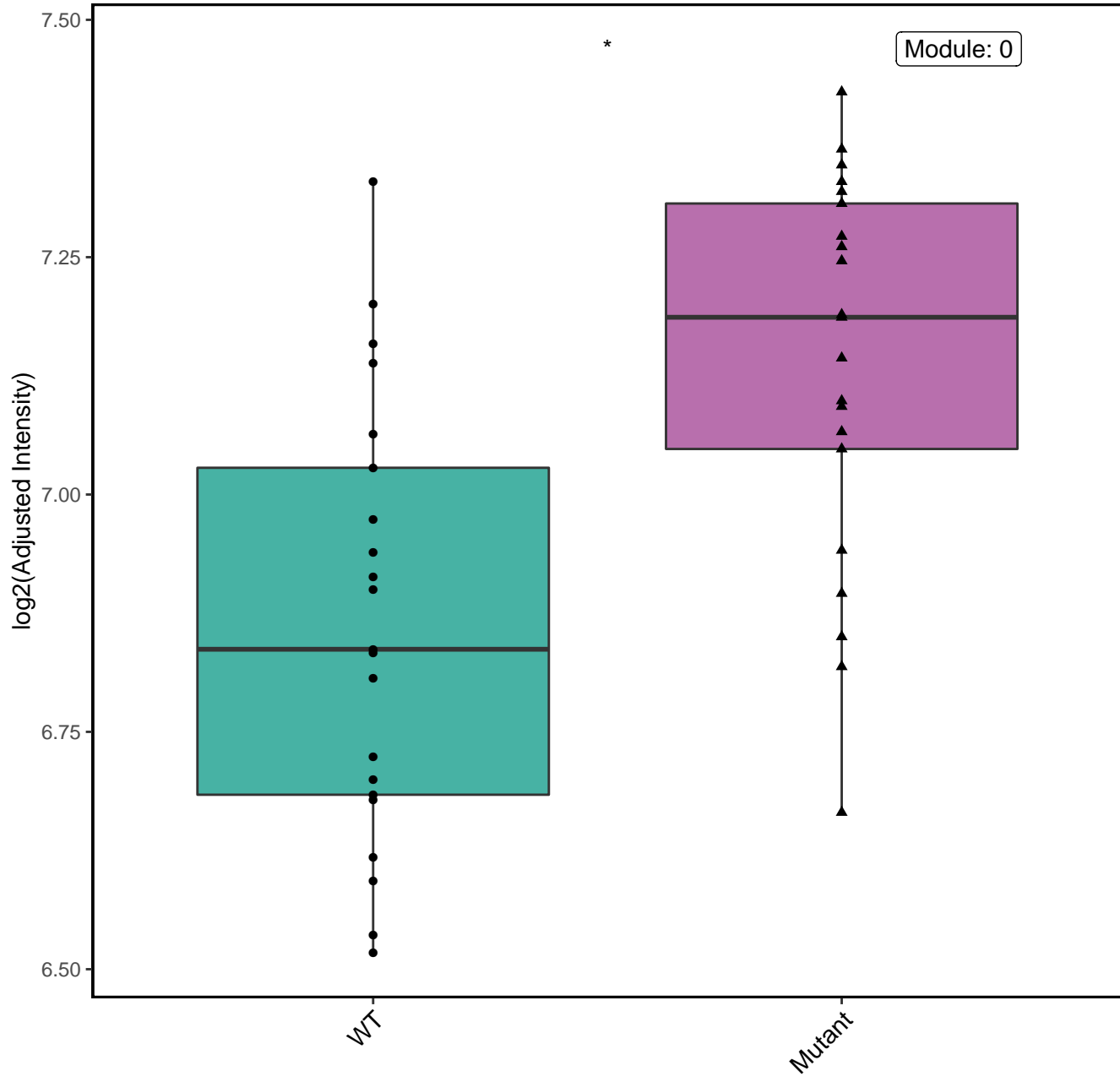
Mutant

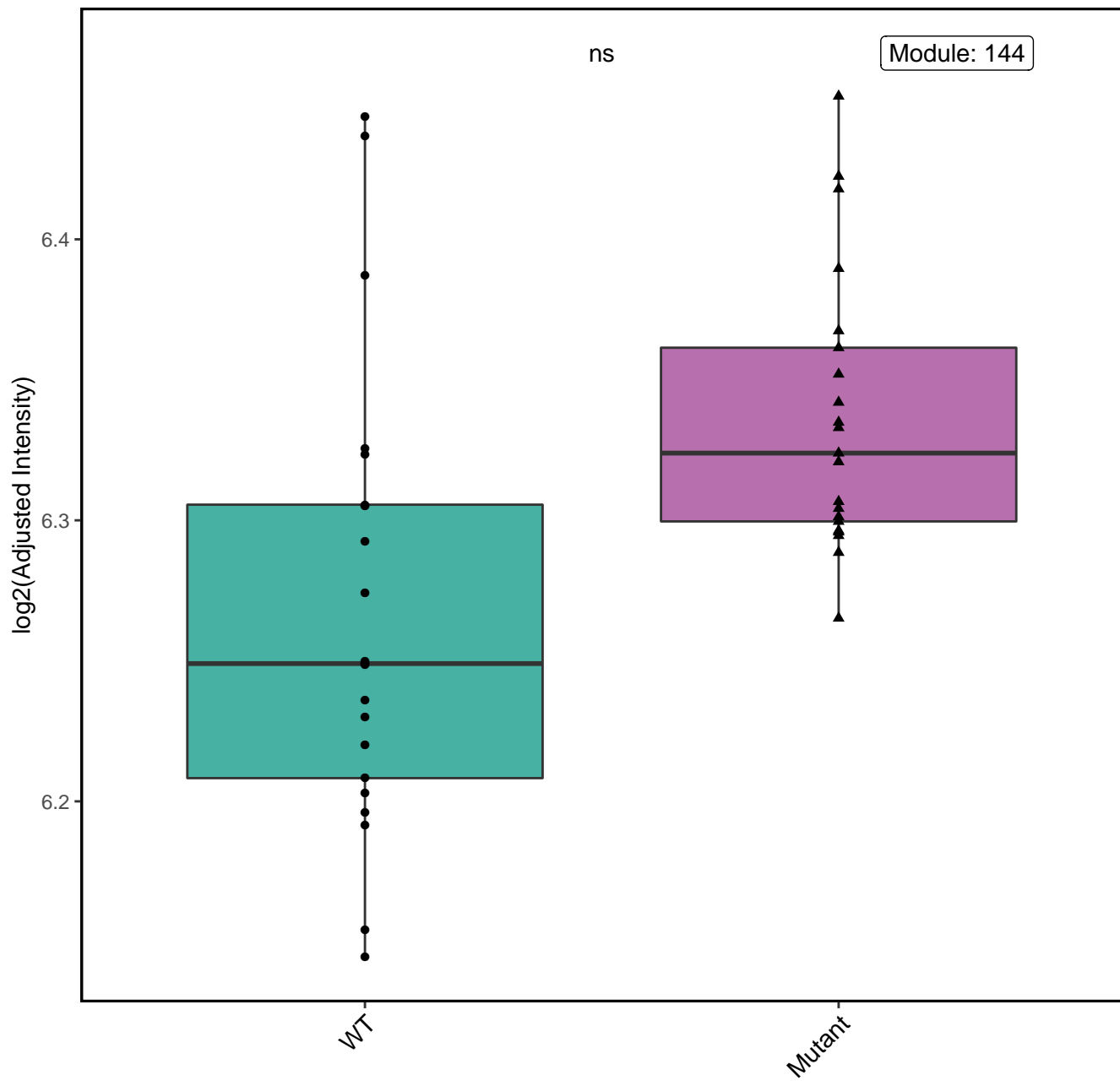
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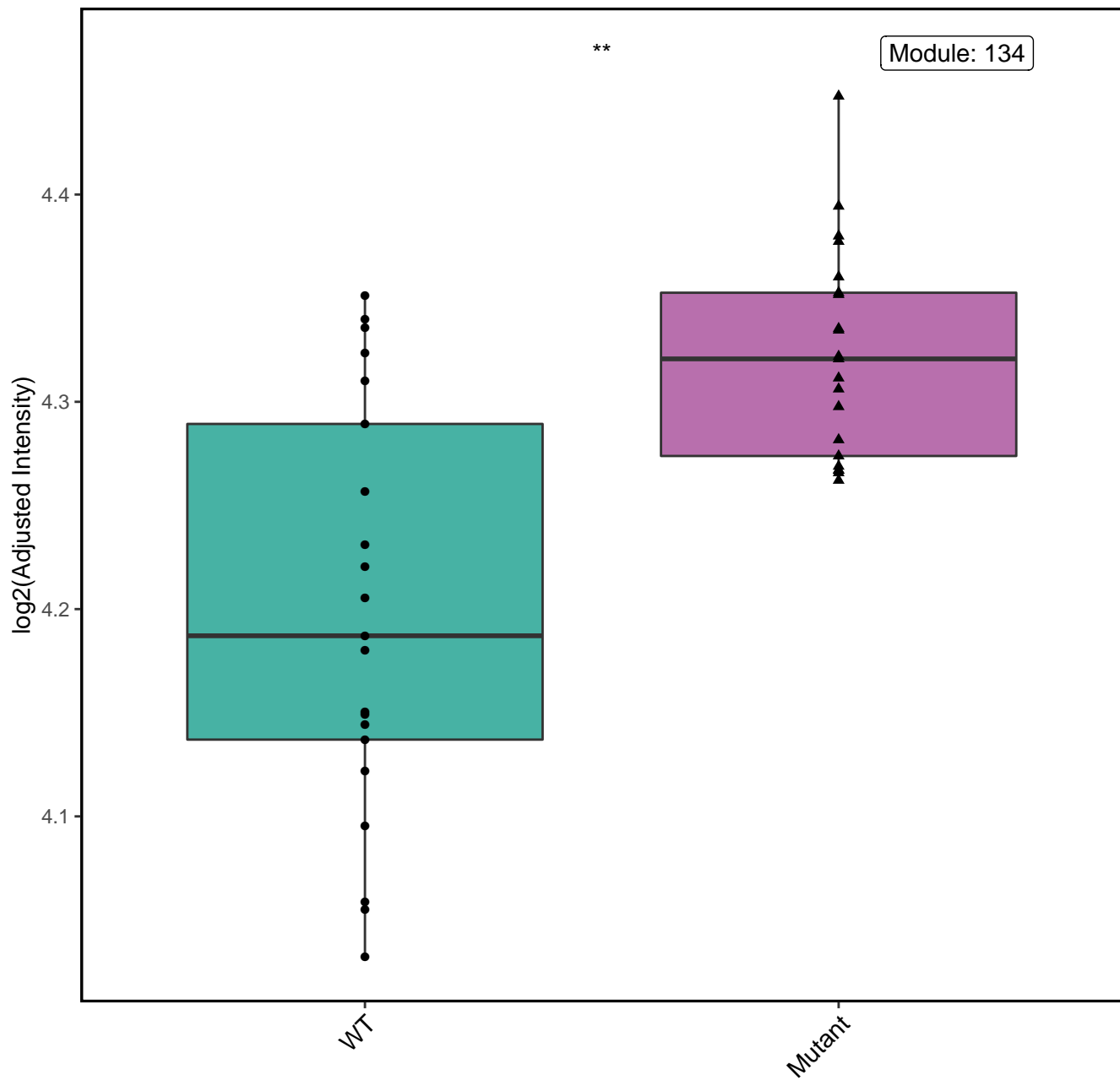


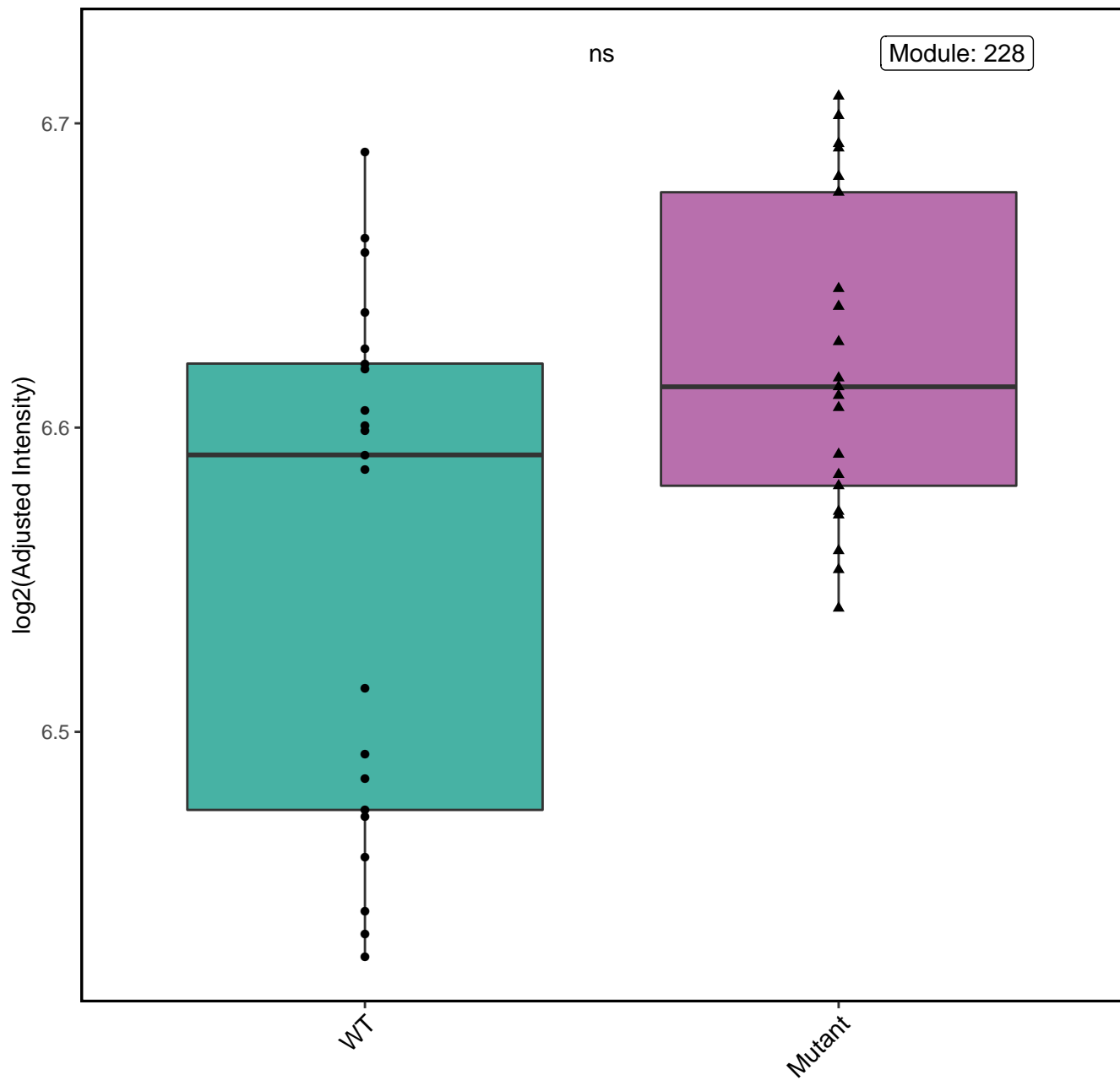


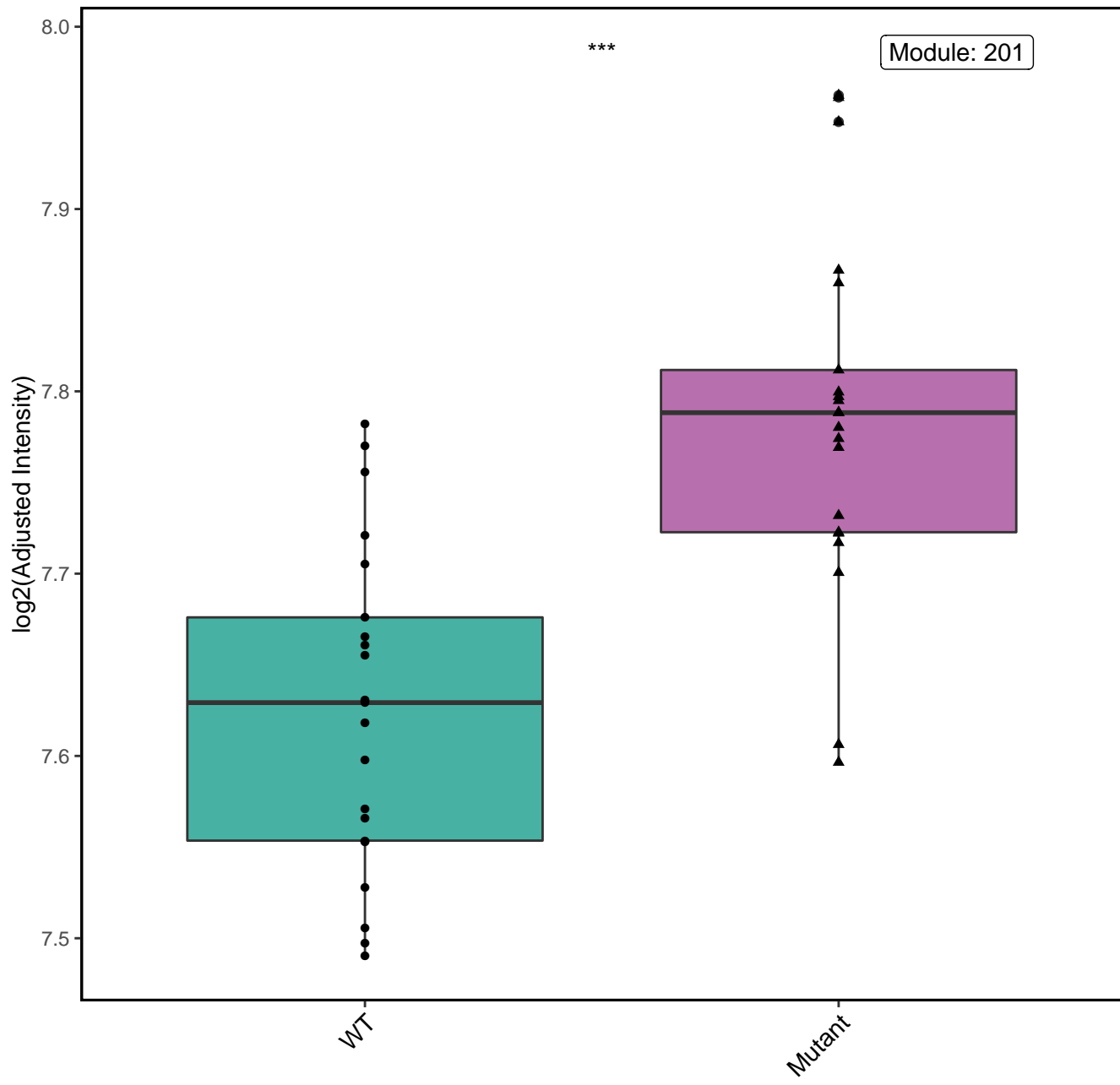


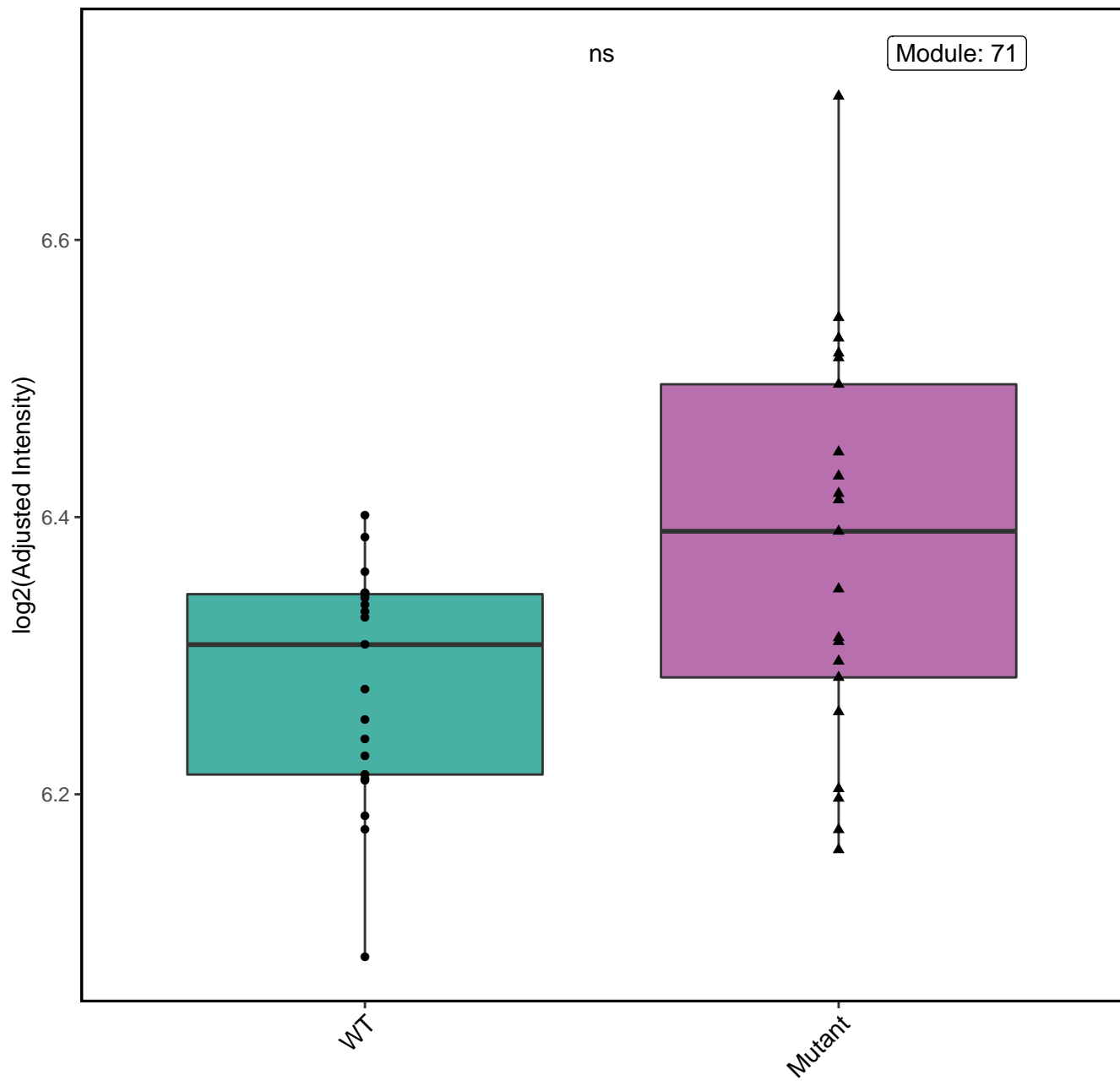












log2(Adjusted Intensity)

5.4

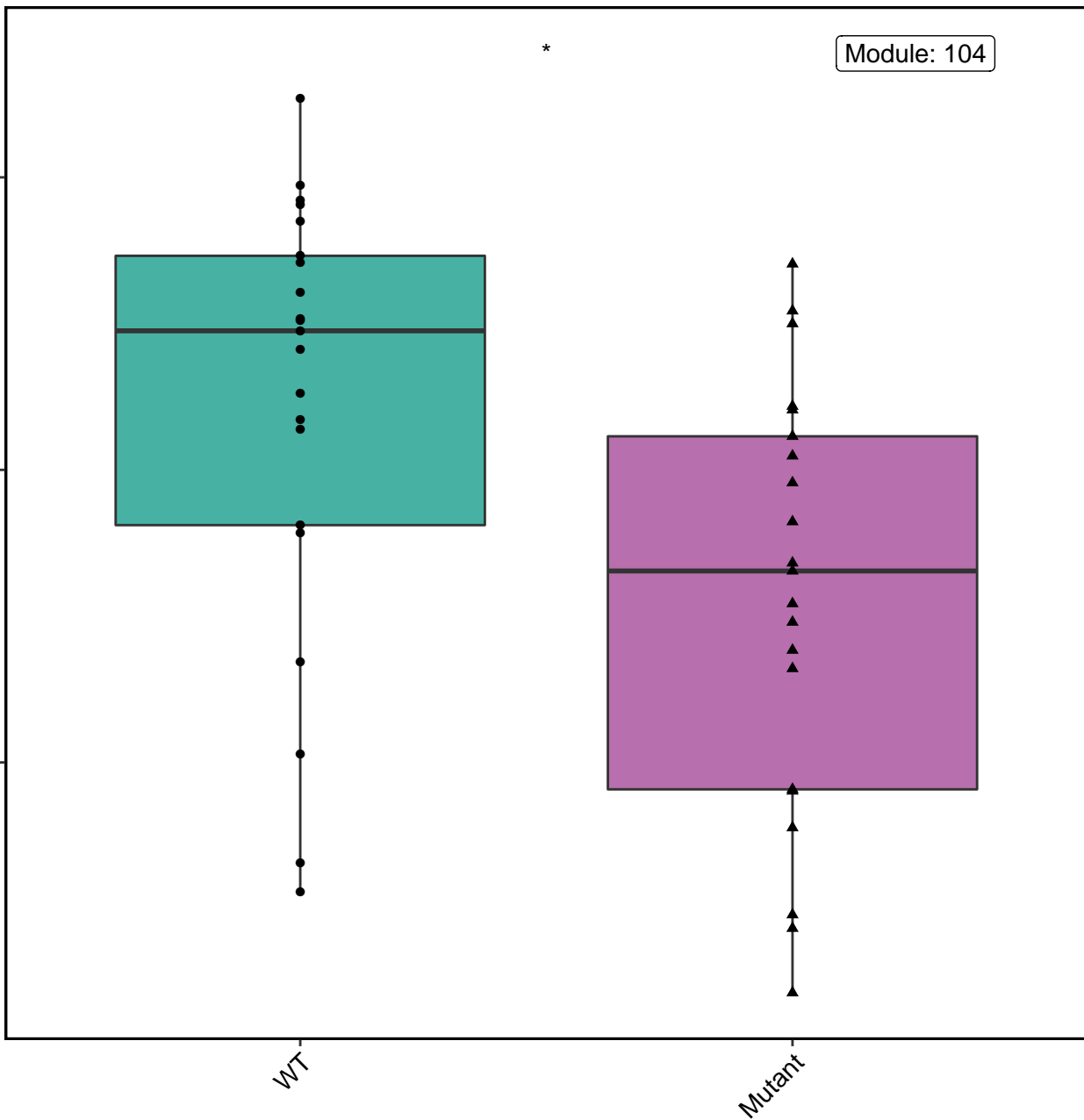
5.2

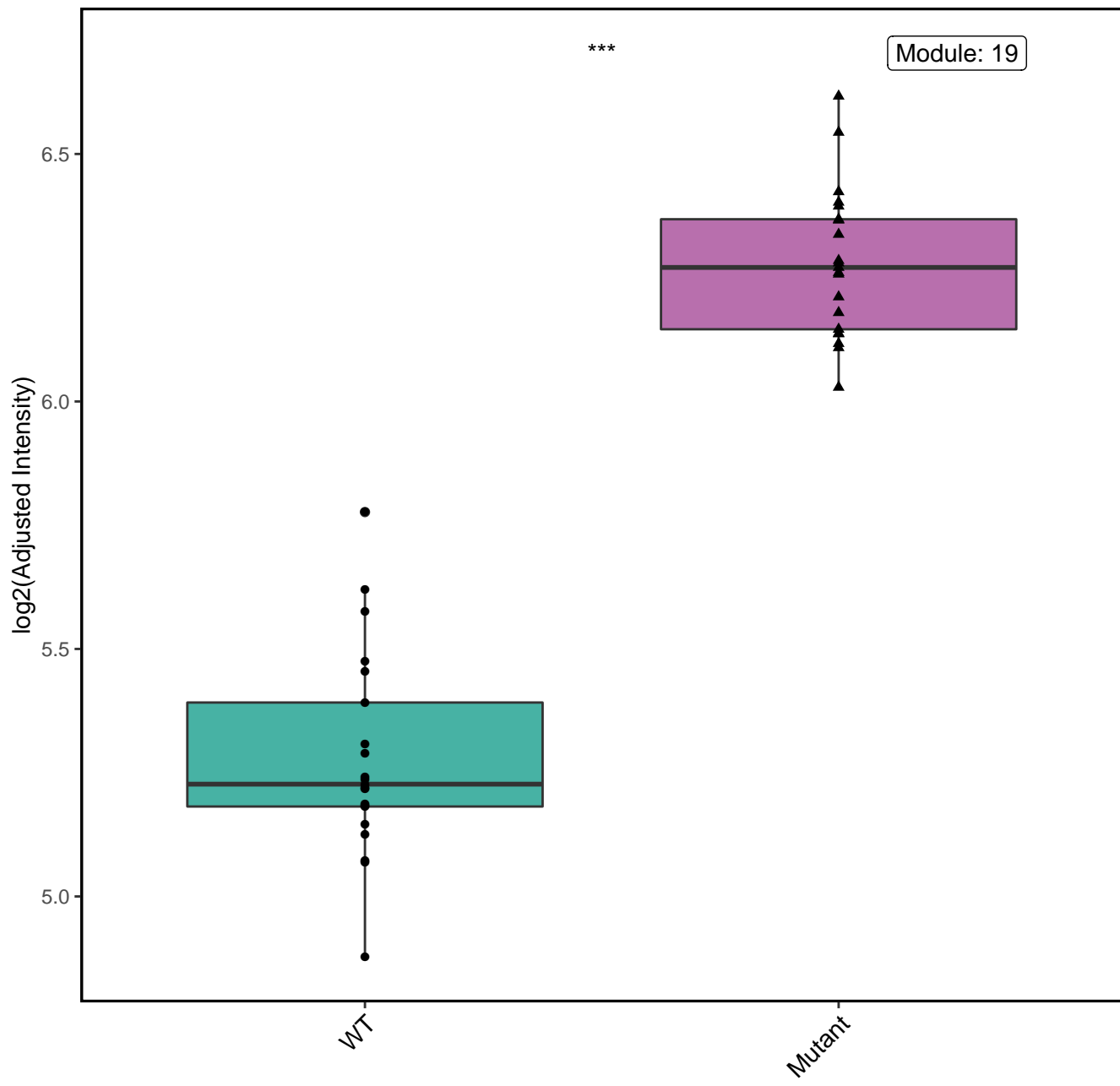
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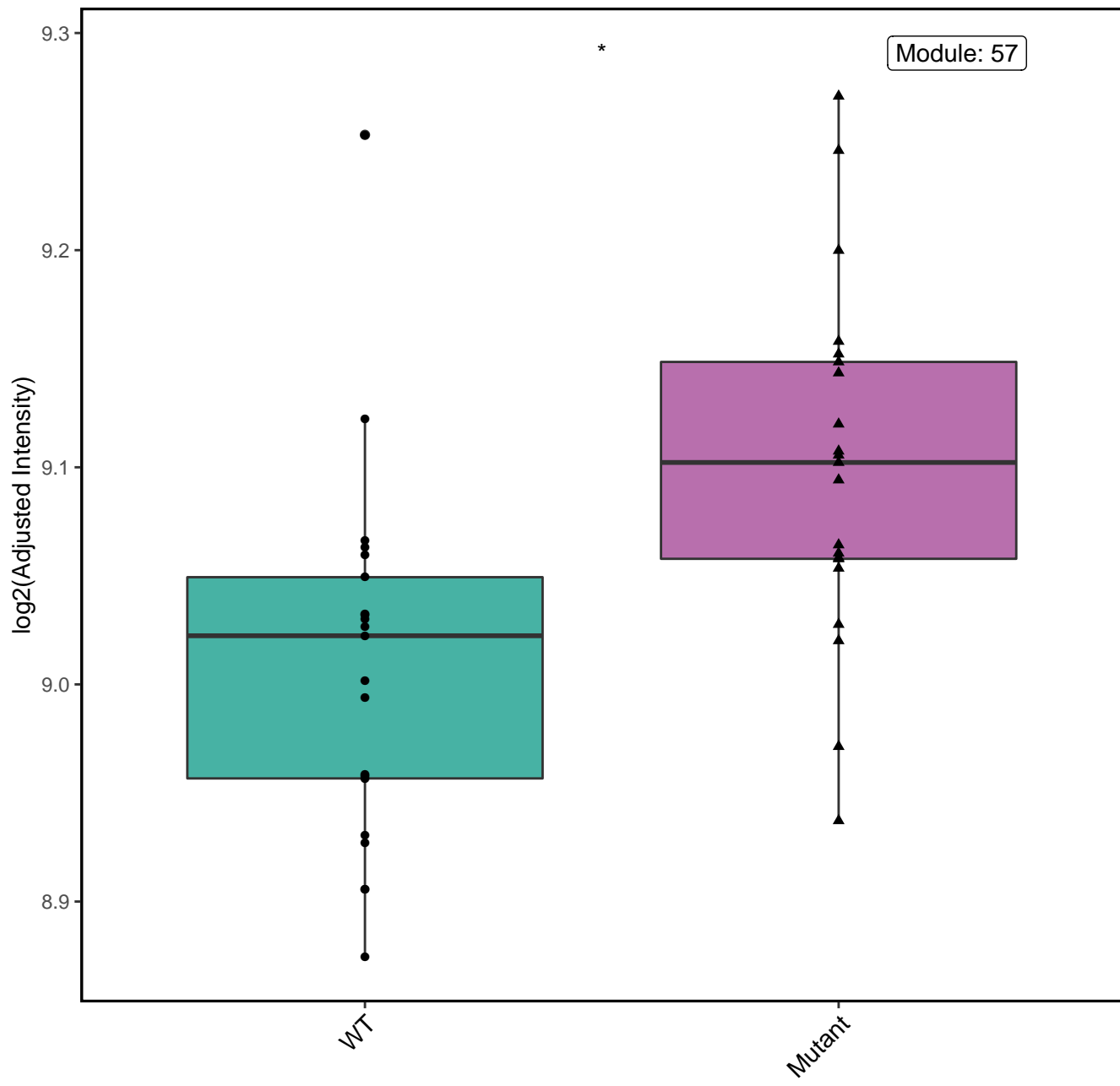
WT

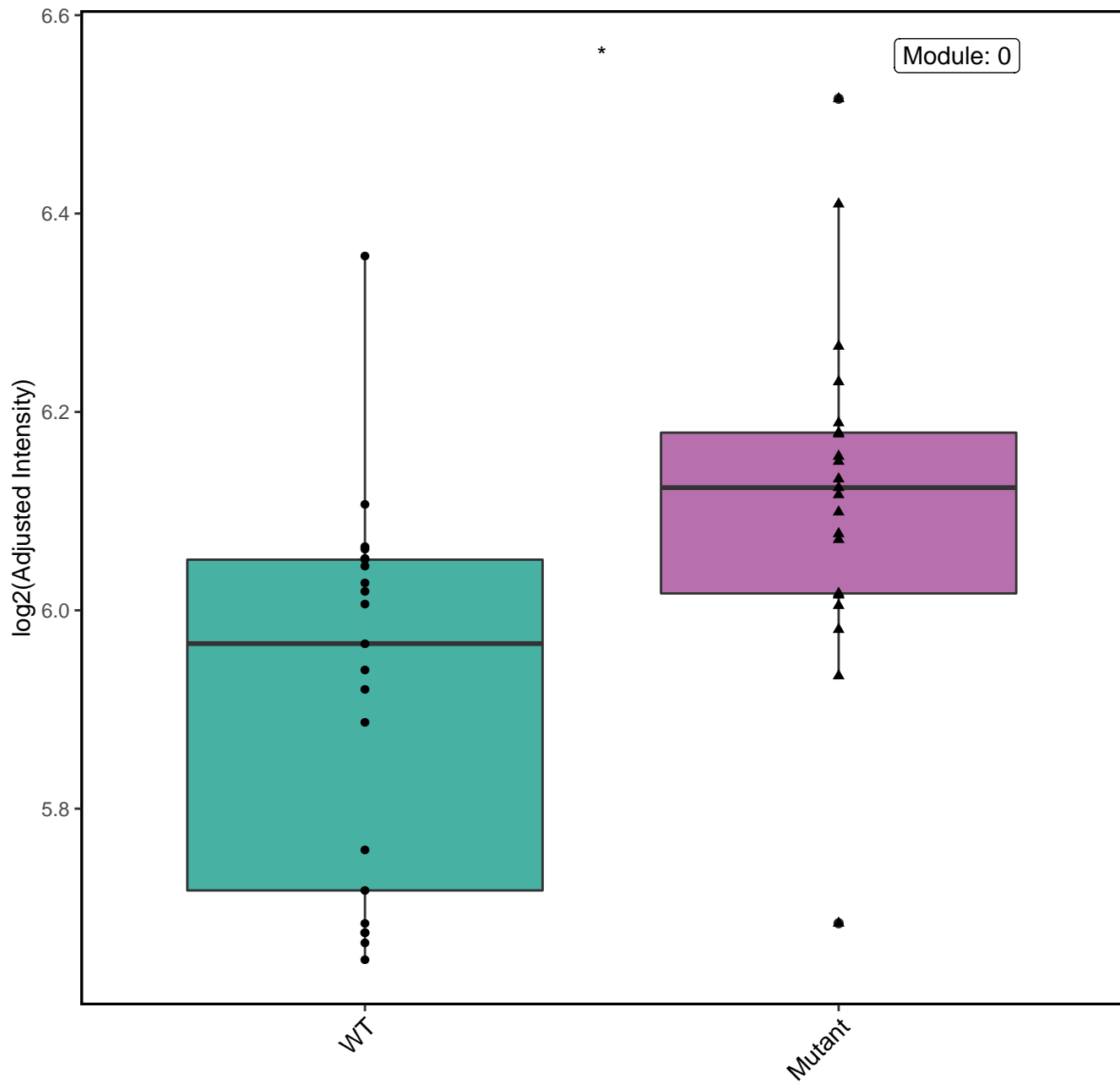
Mutant

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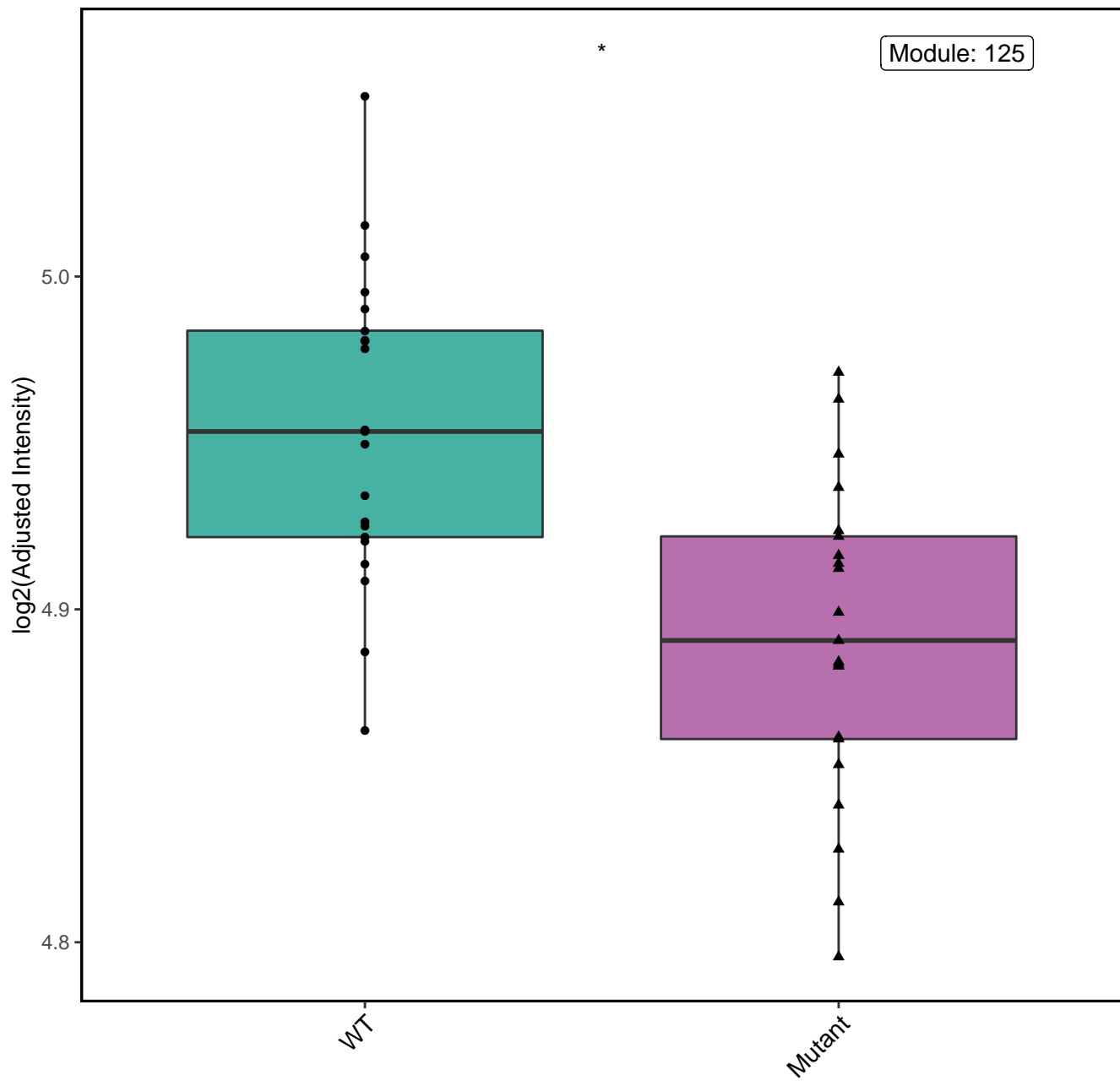


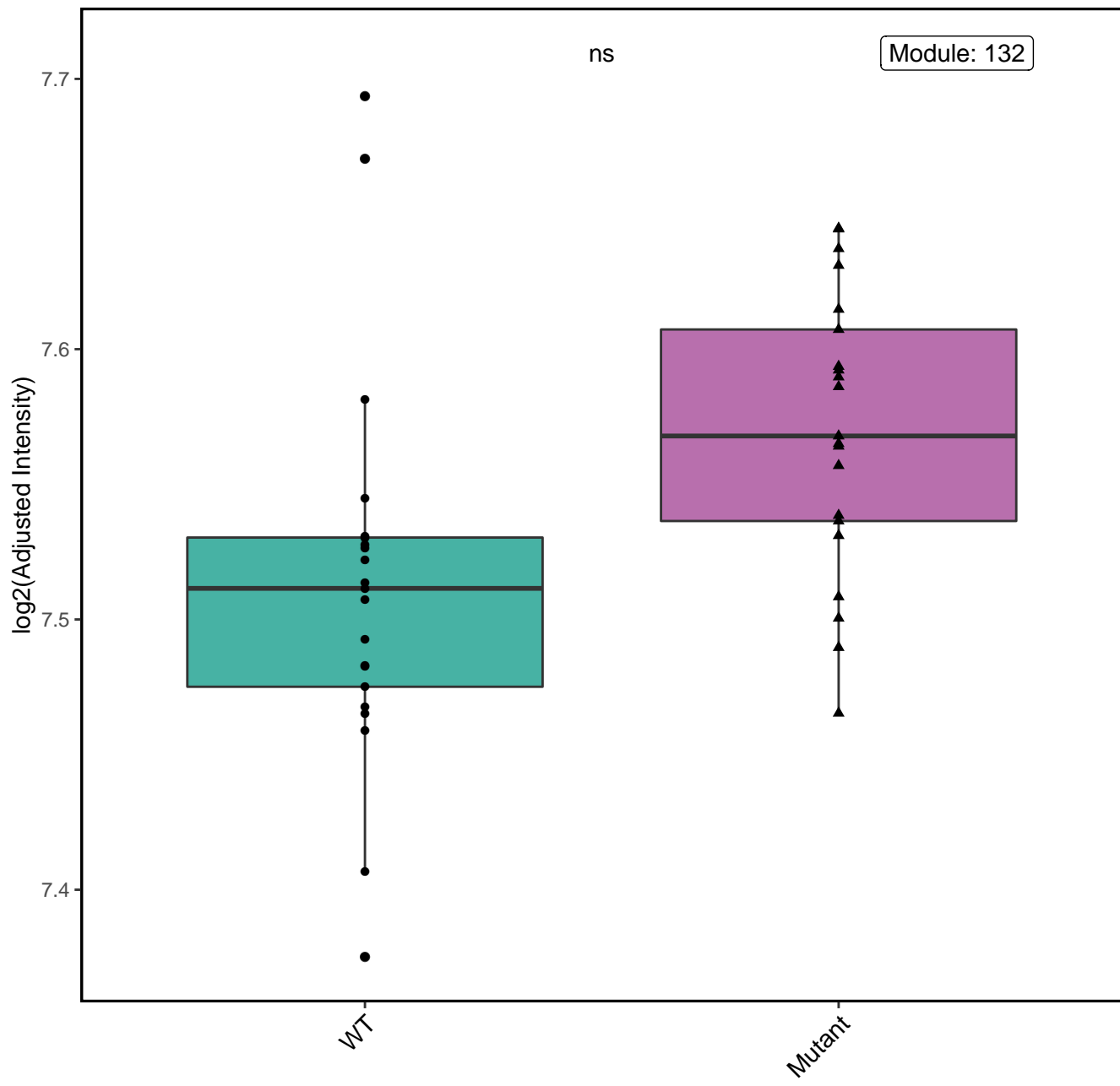


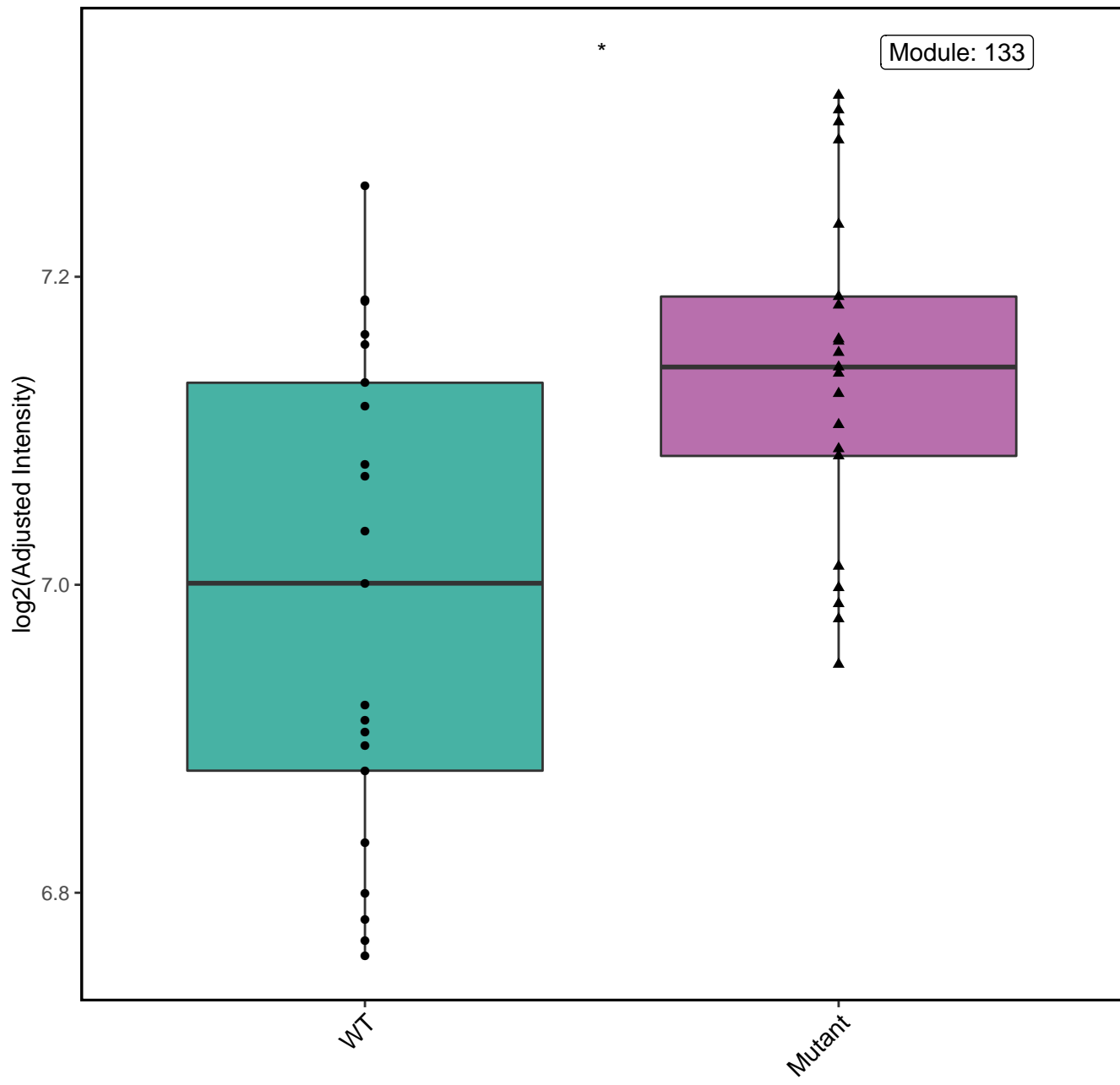












log2(Adjusted Intensity)

5.8

5.7

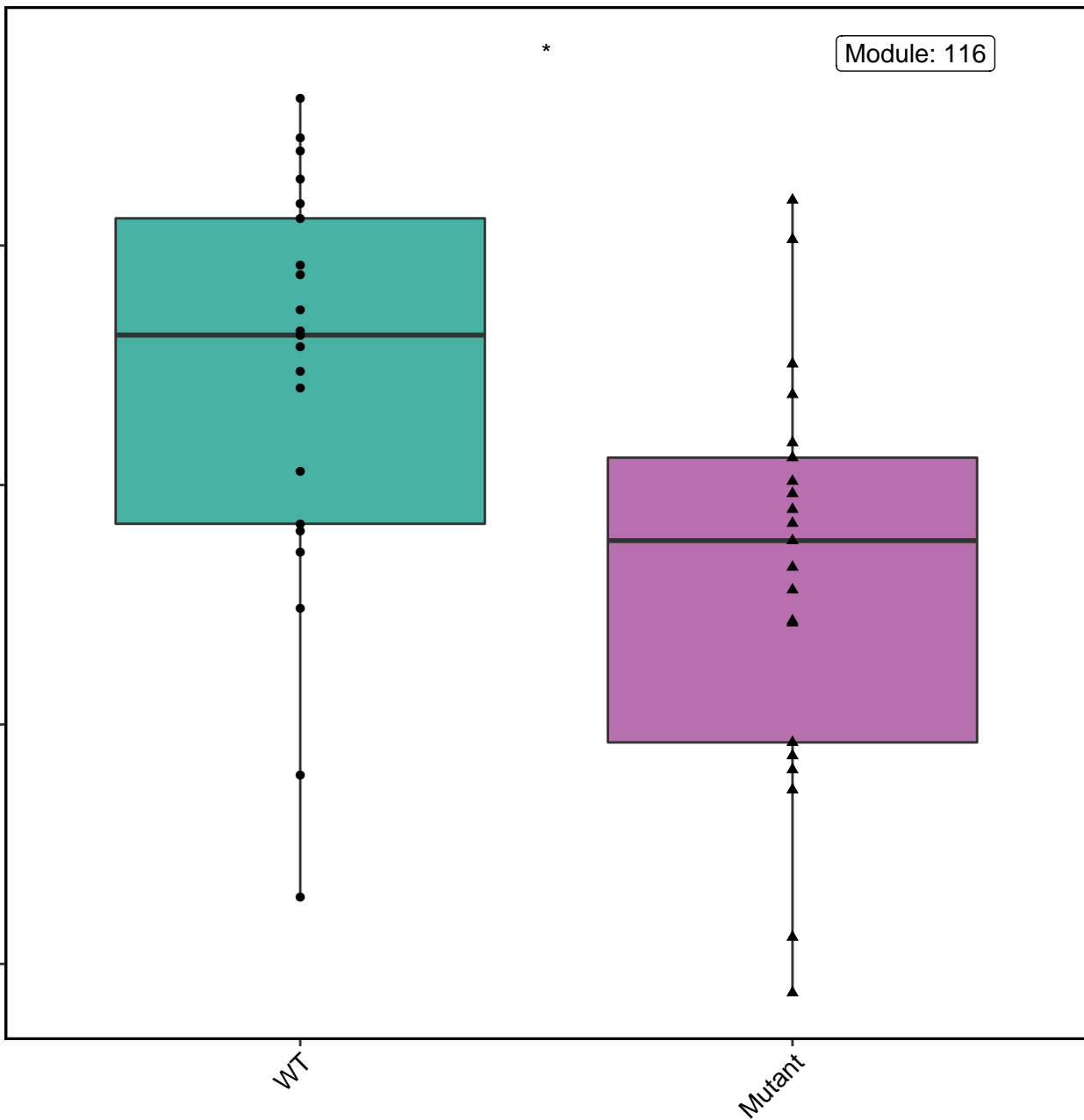
5.6

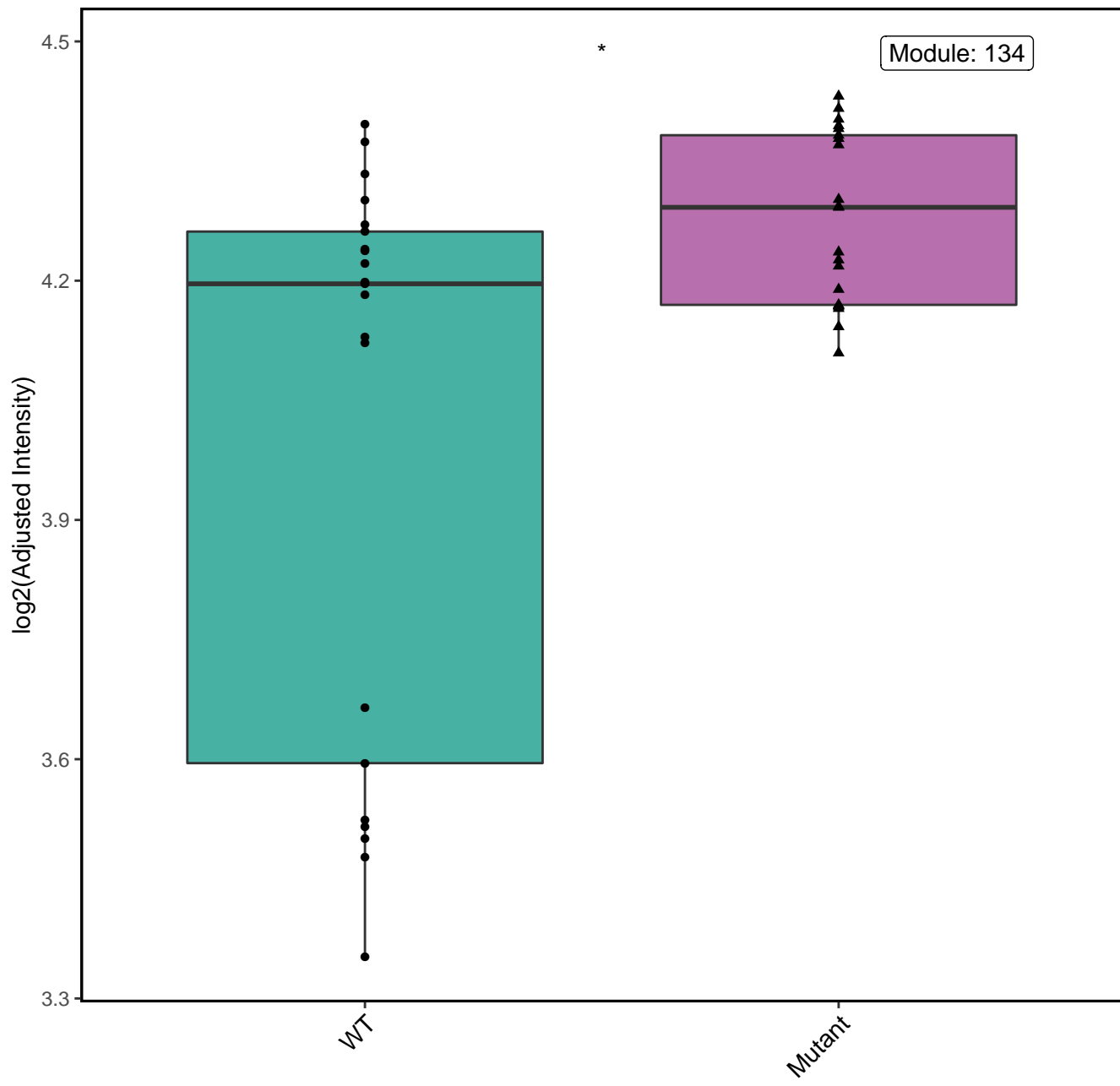
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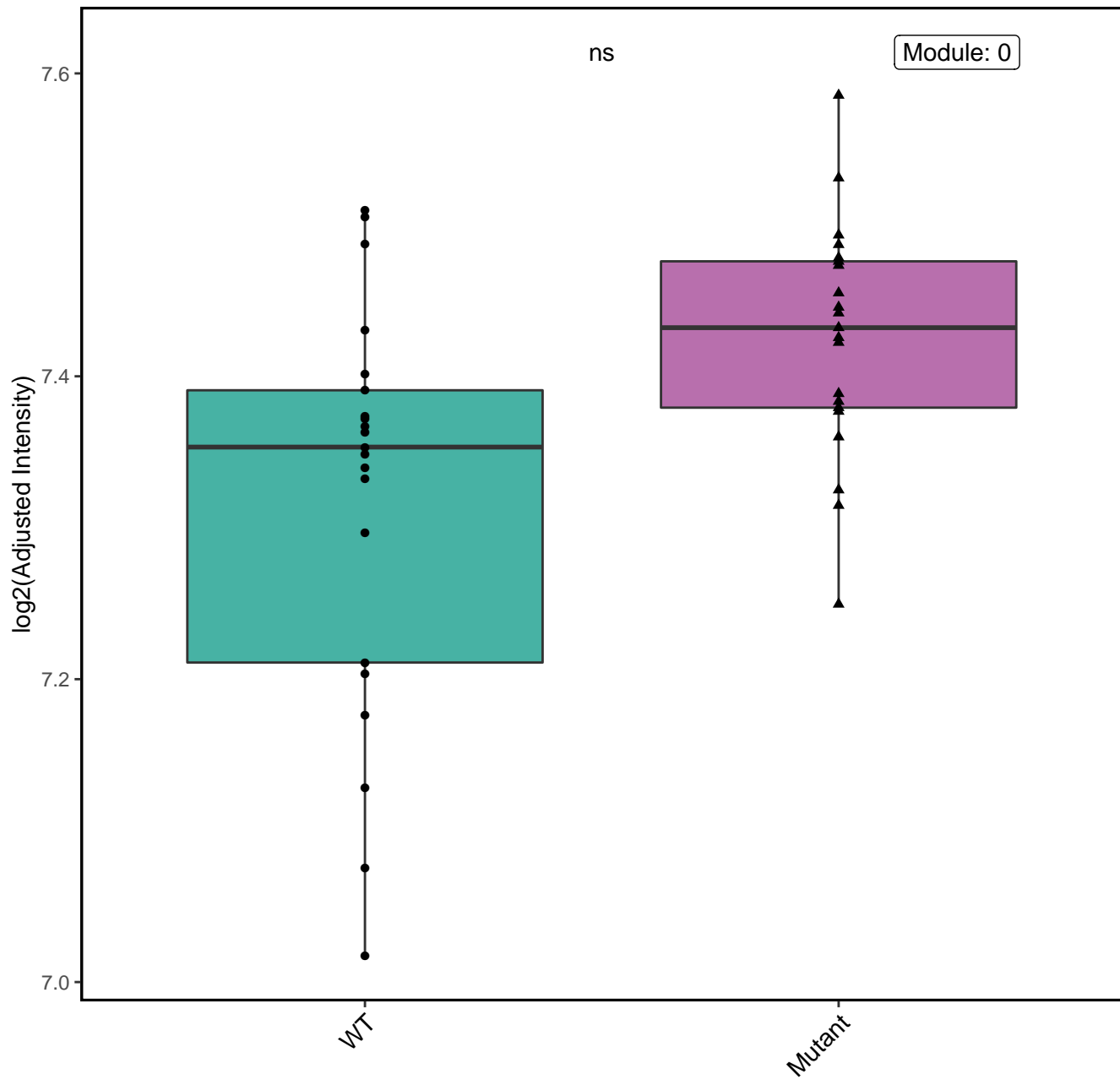
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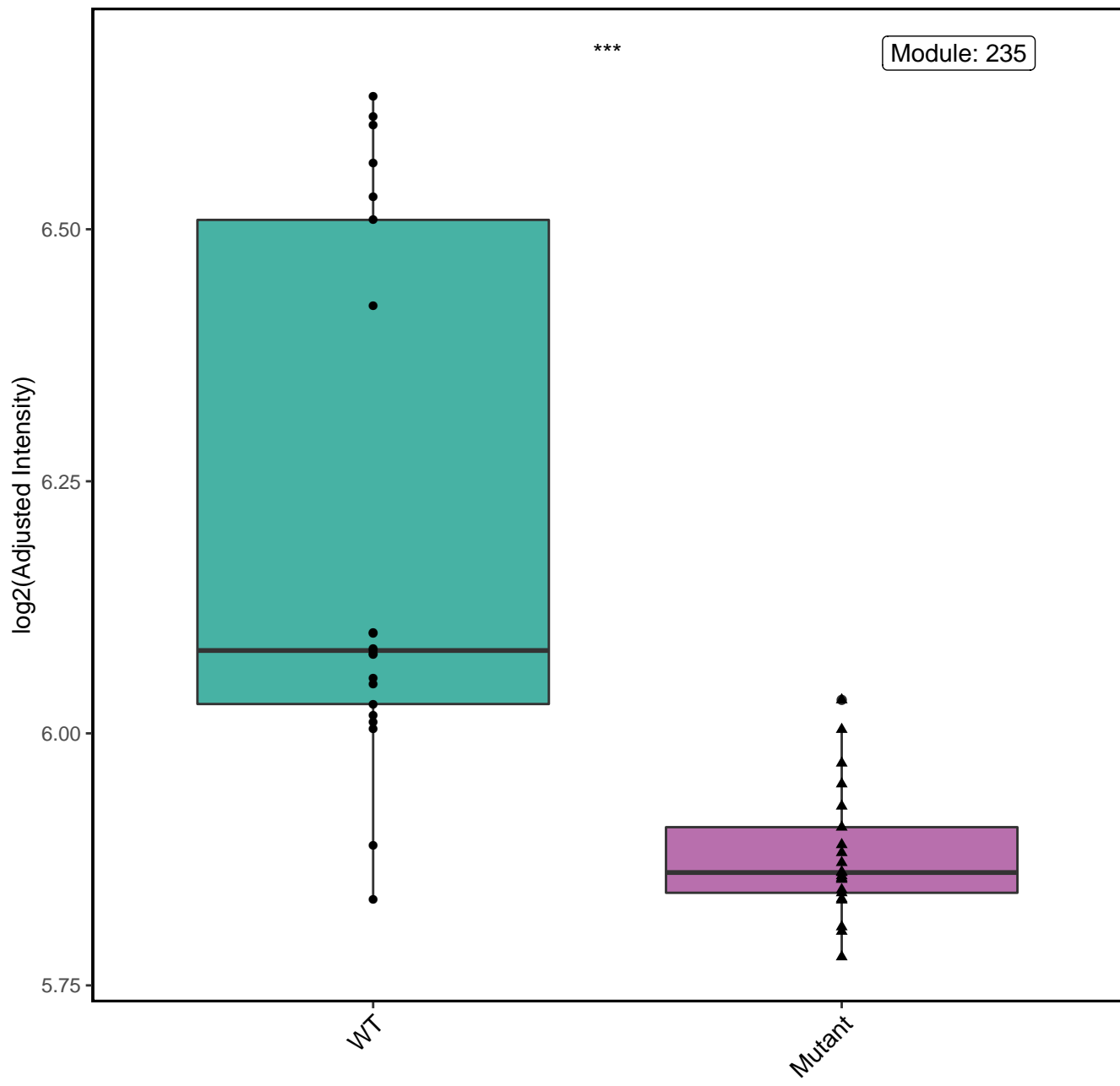
Mutant

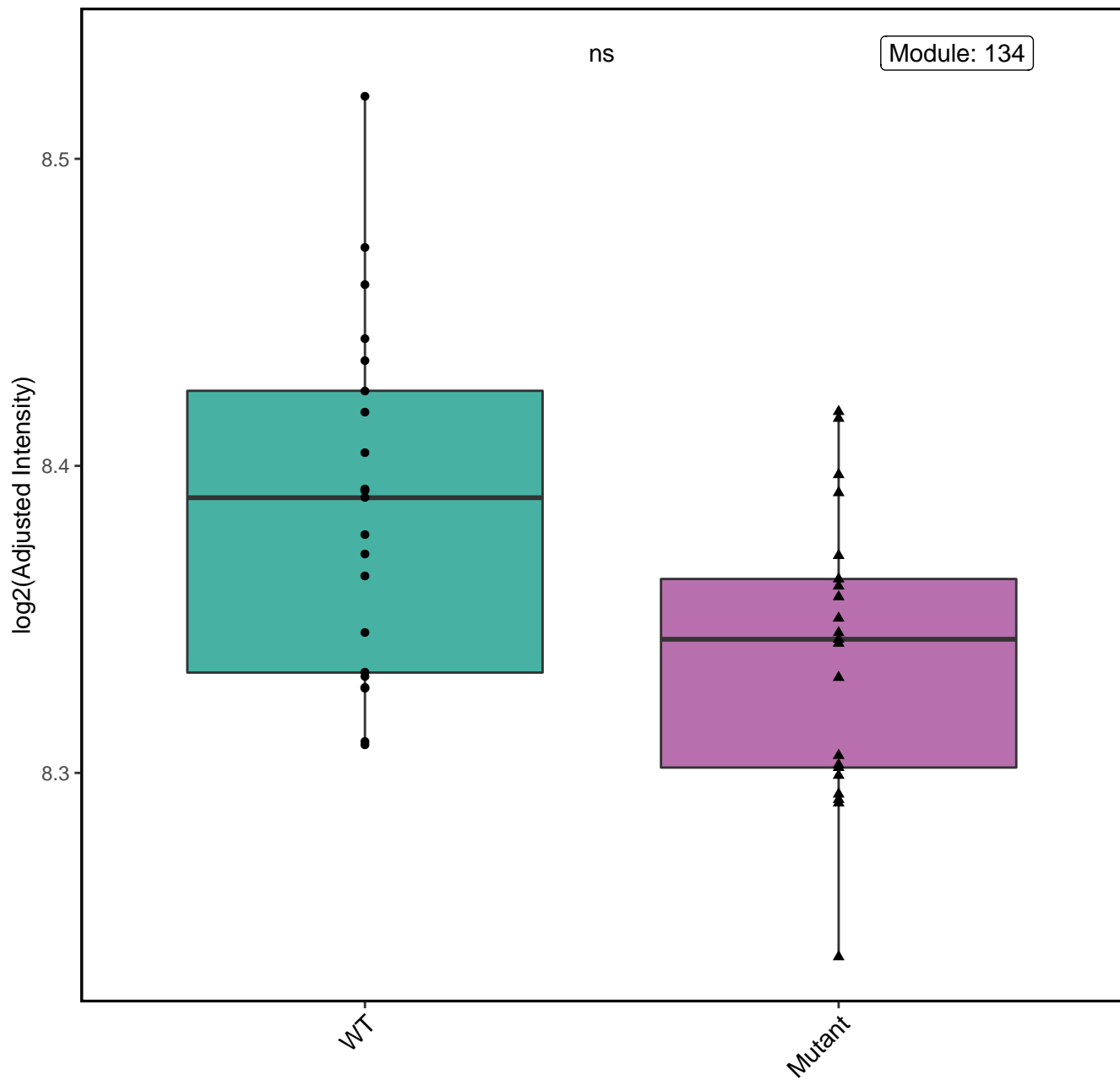
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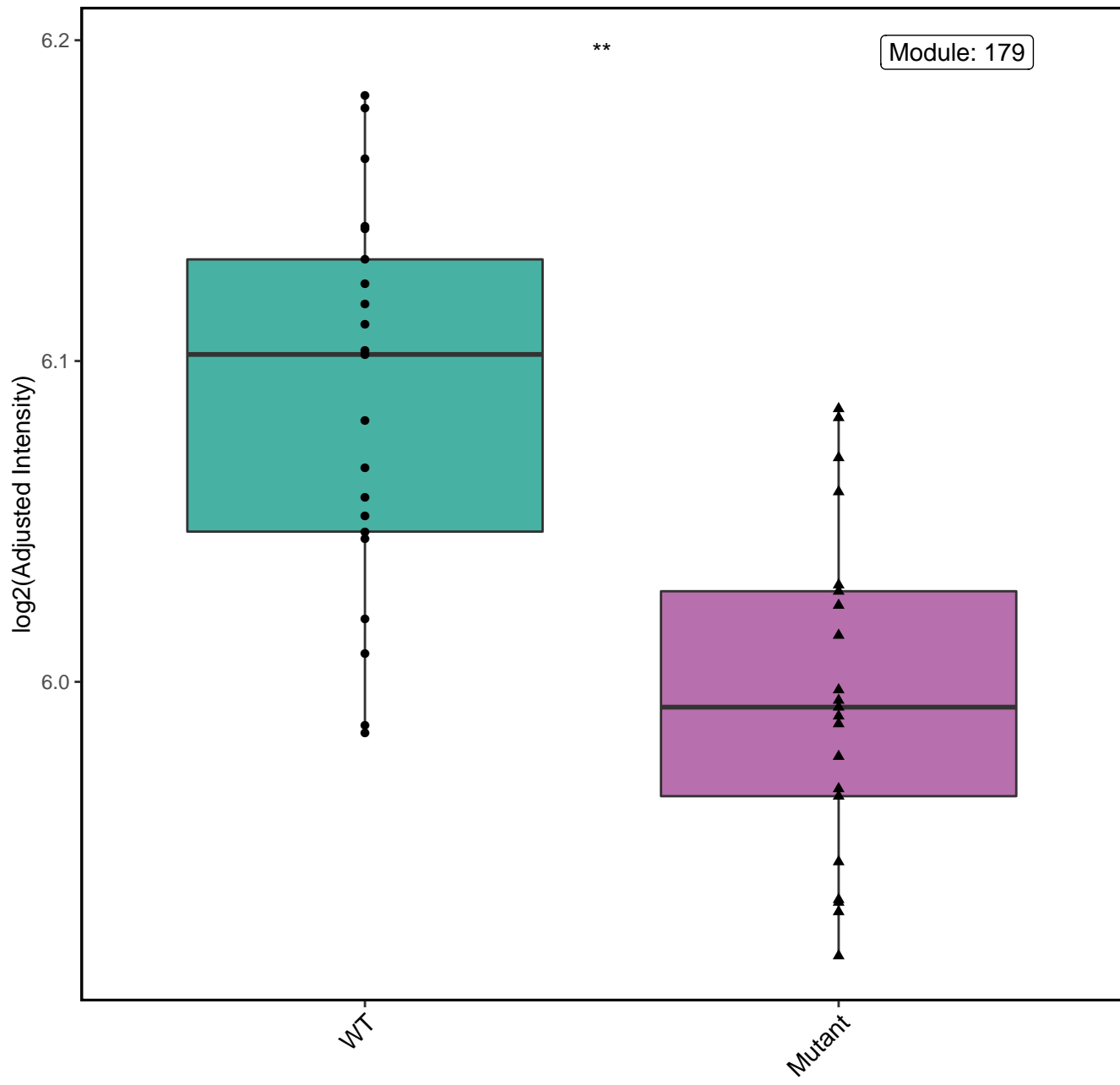


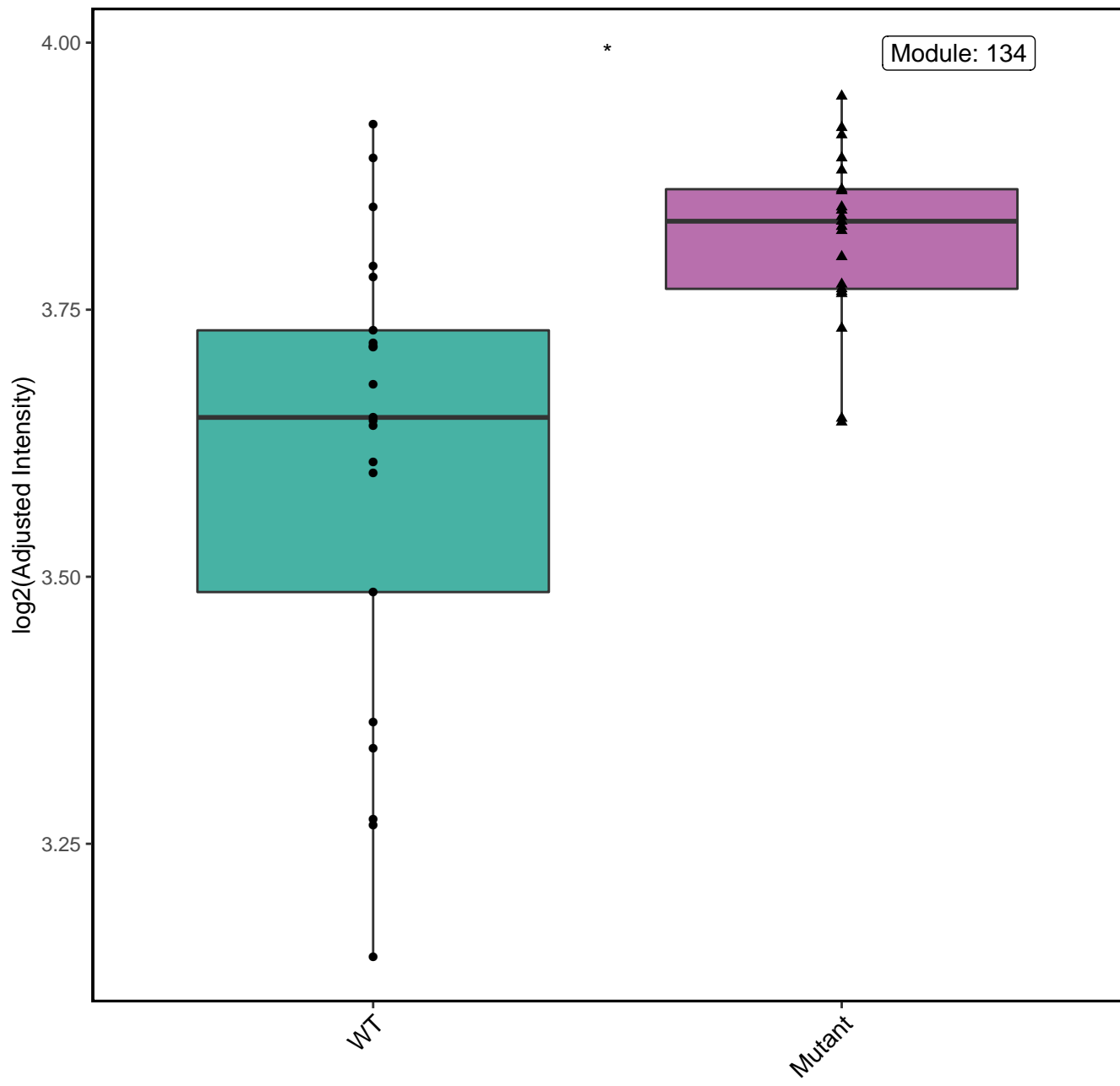


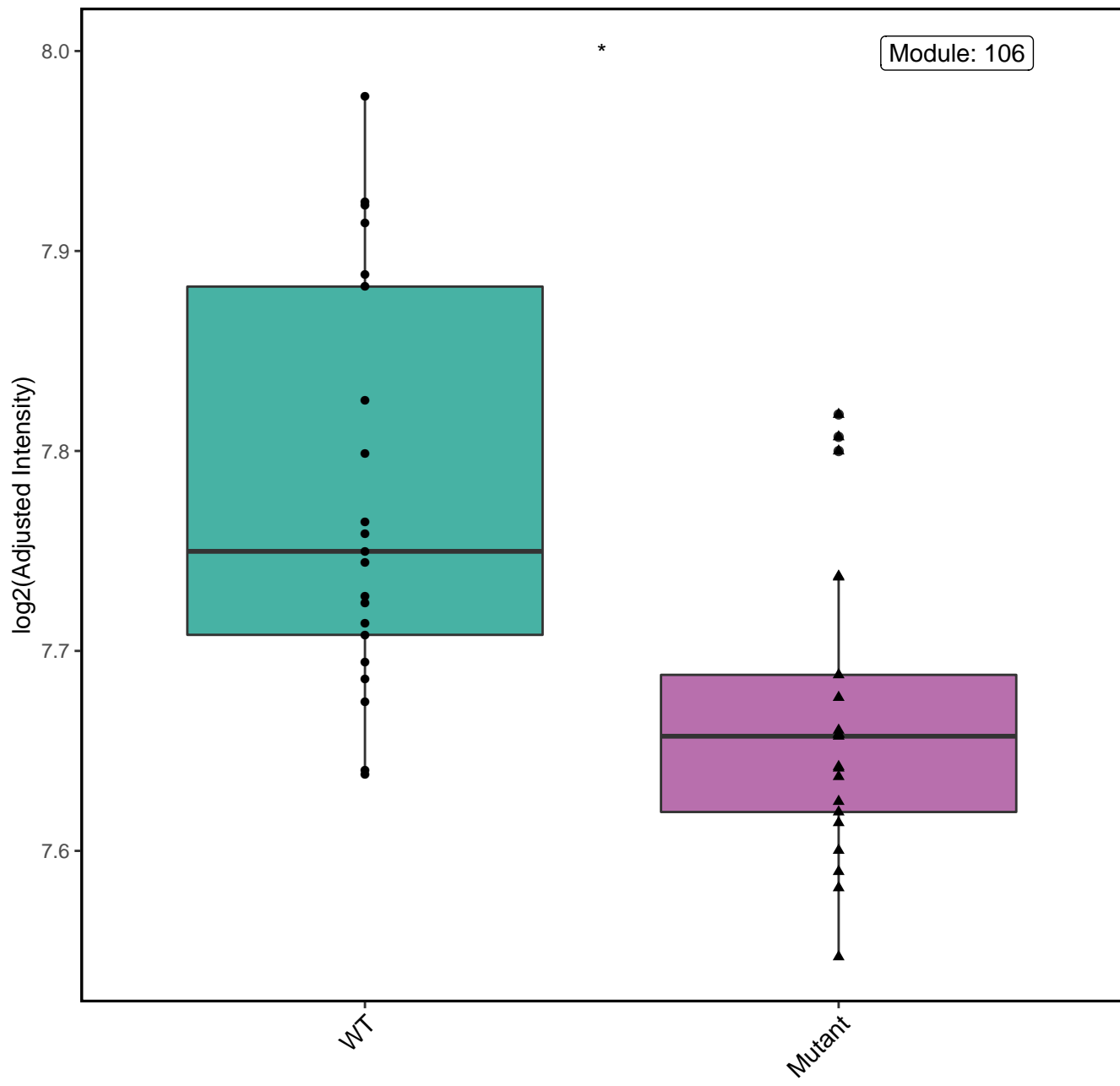


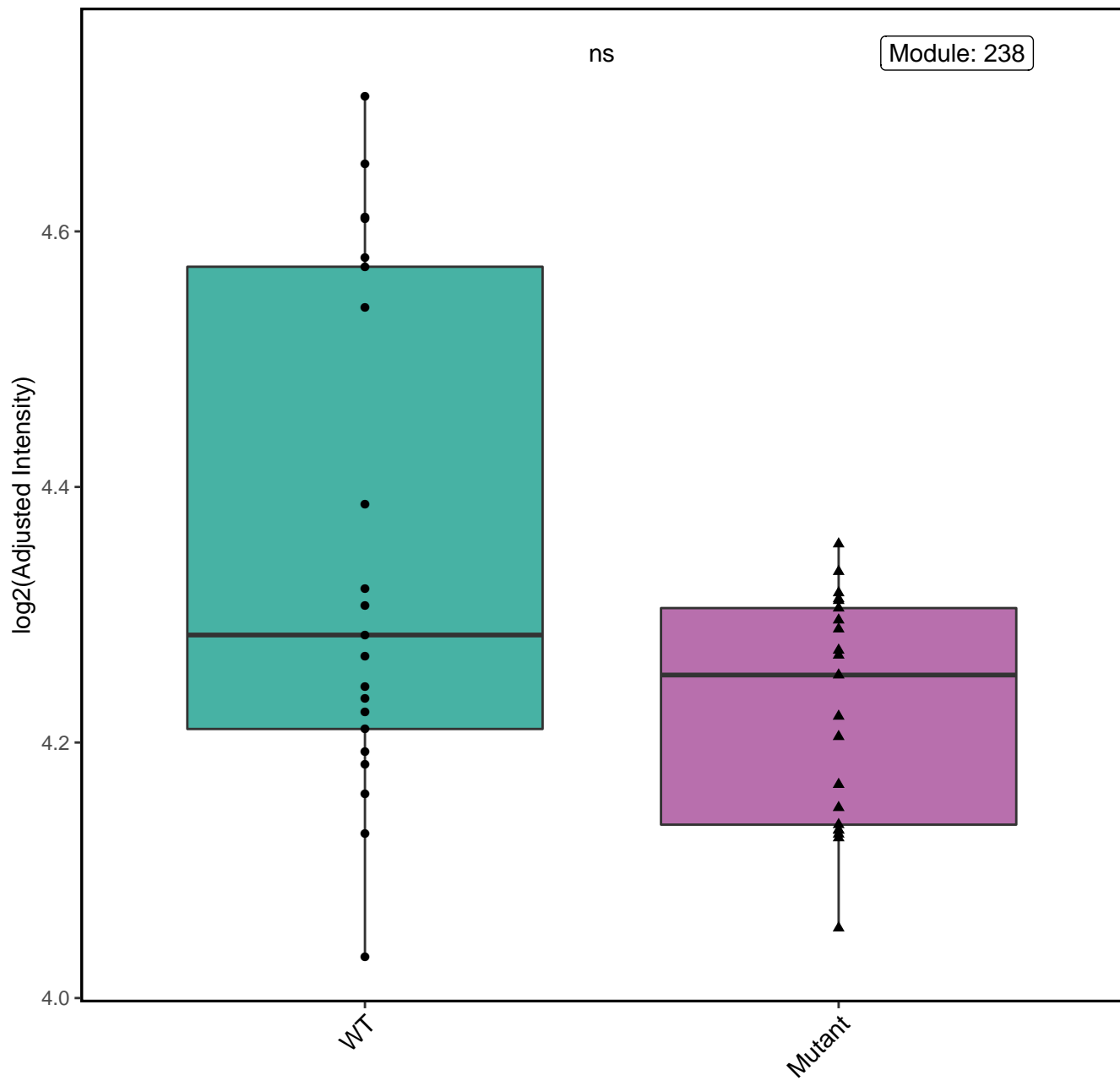


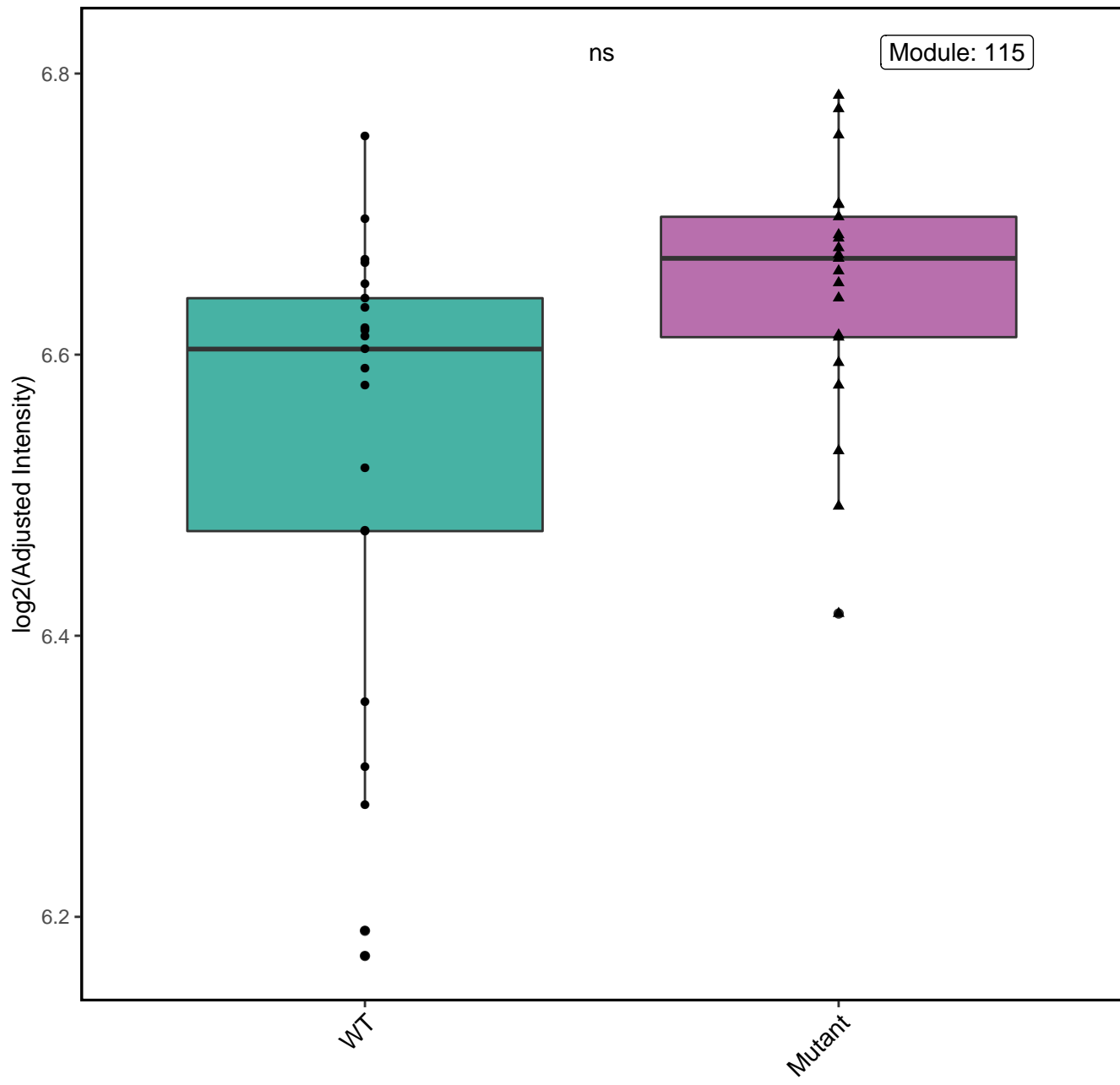










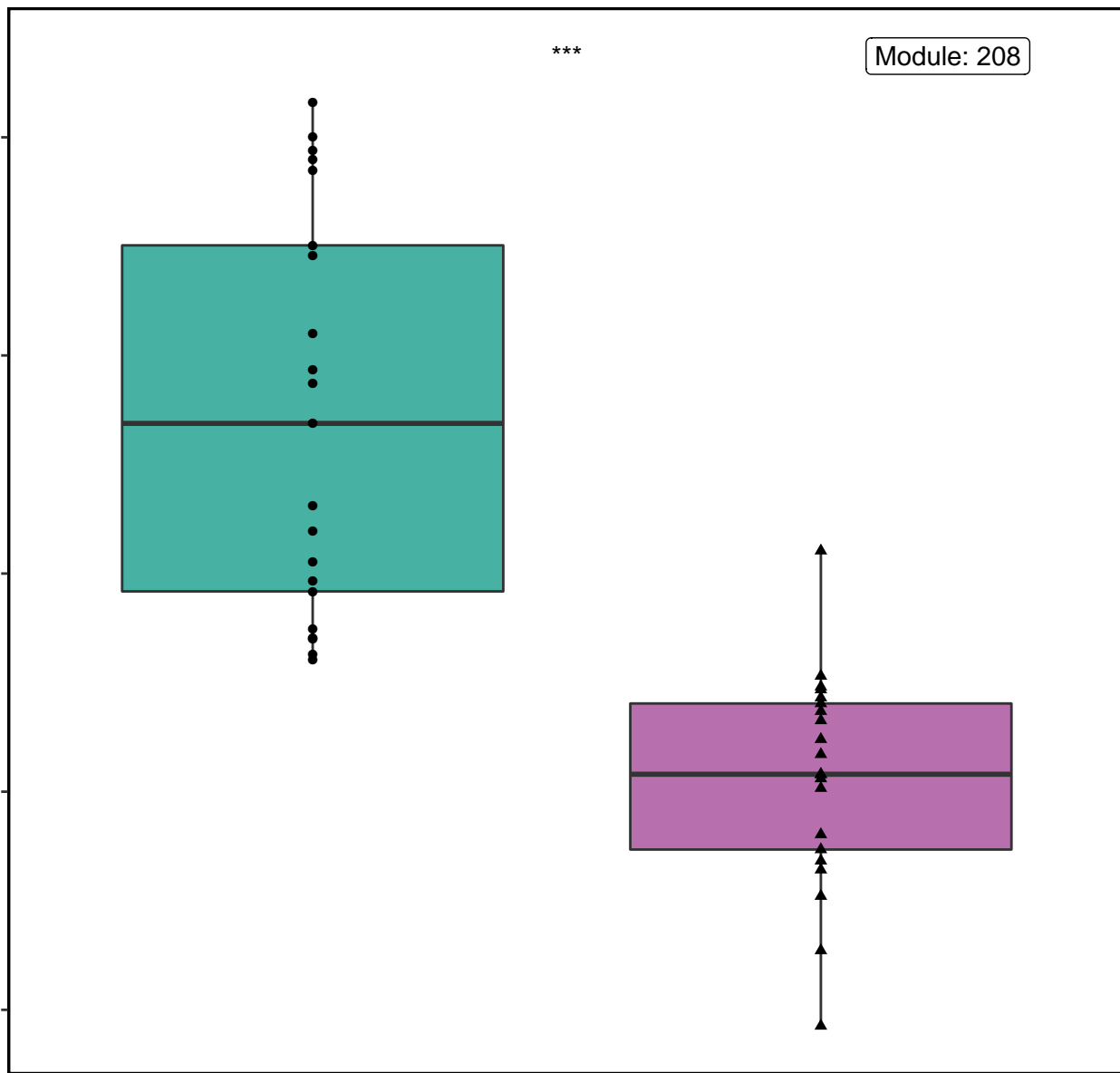


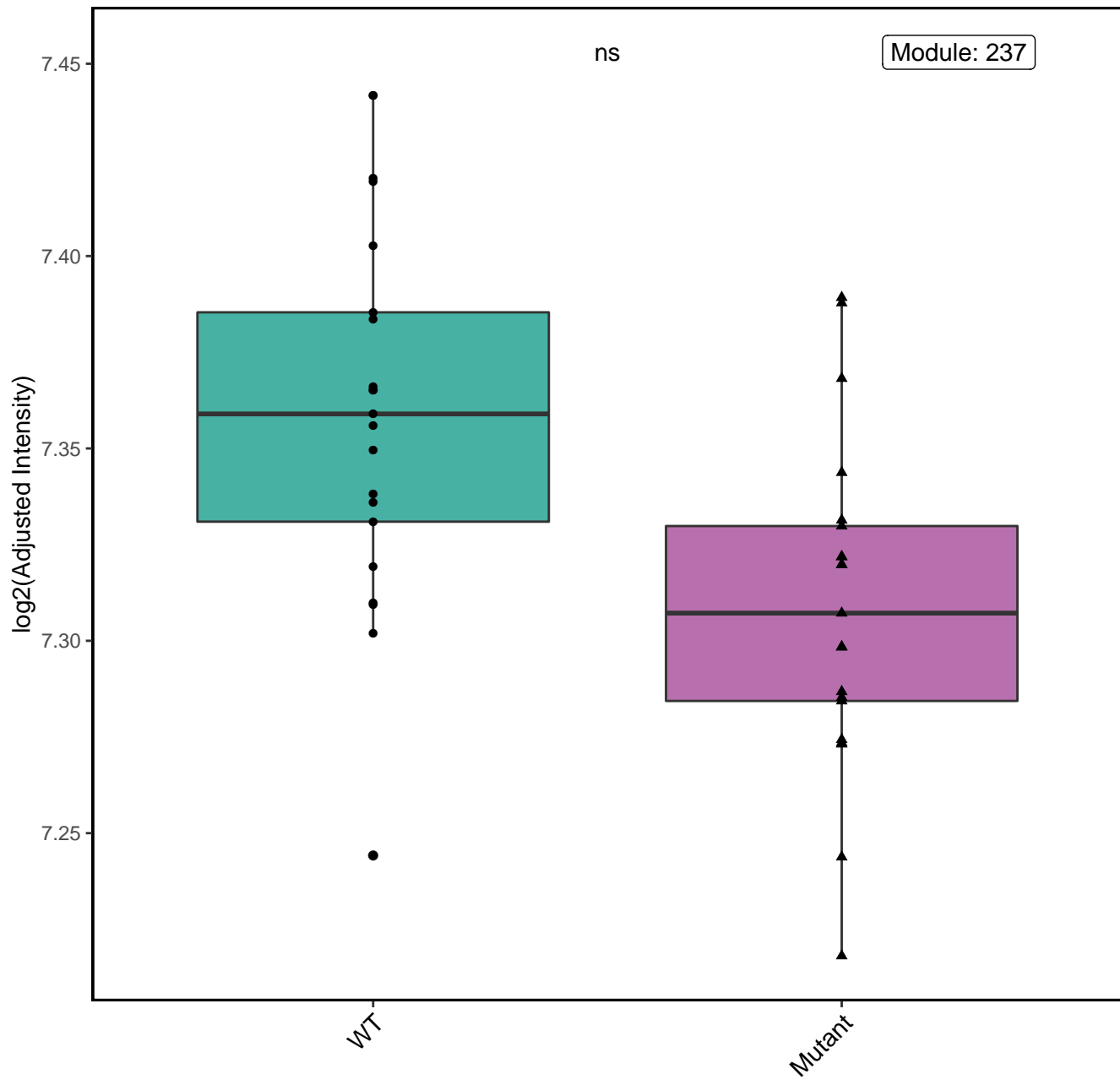
log2(Adjusted Intensity)

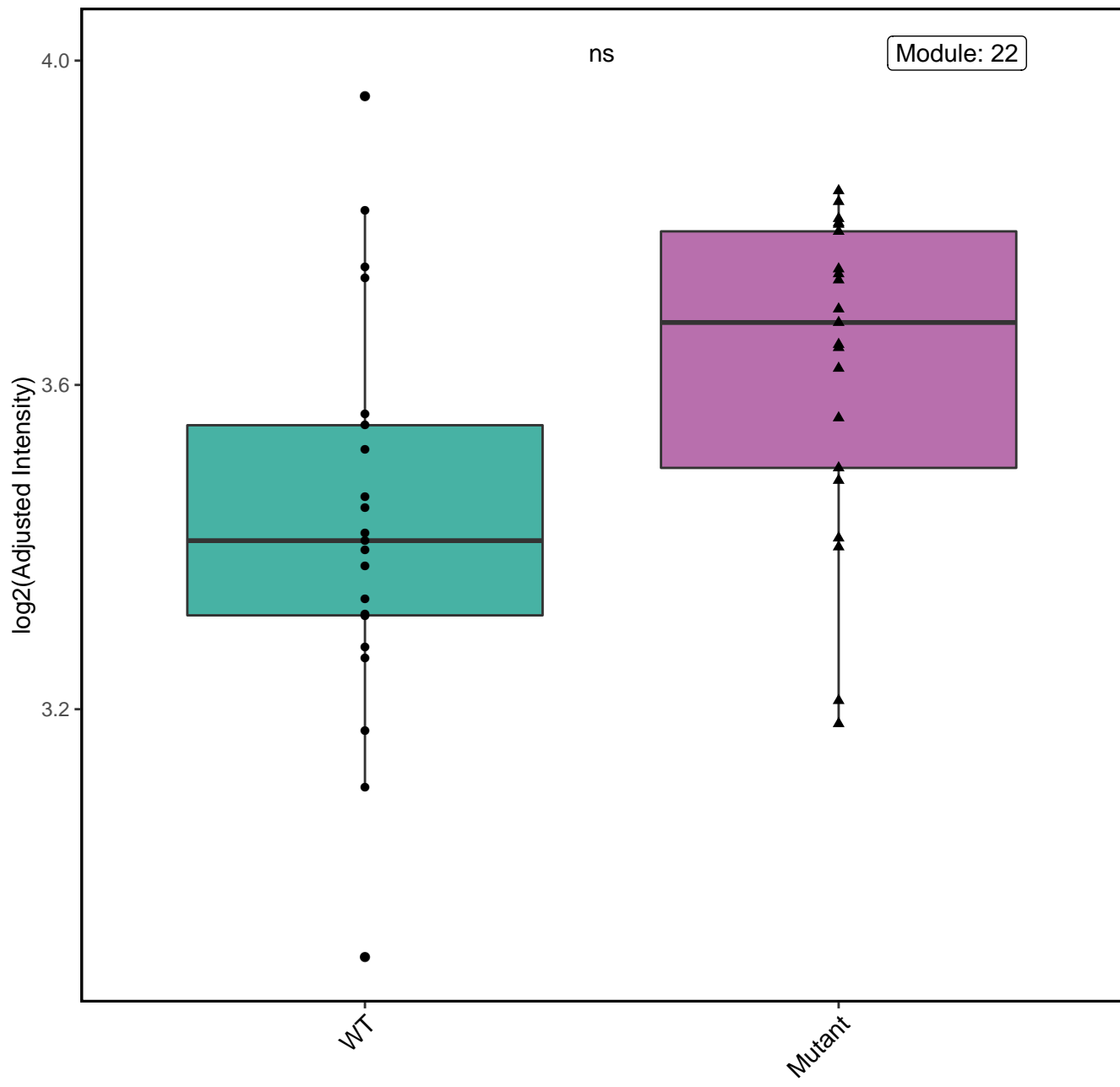
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WT

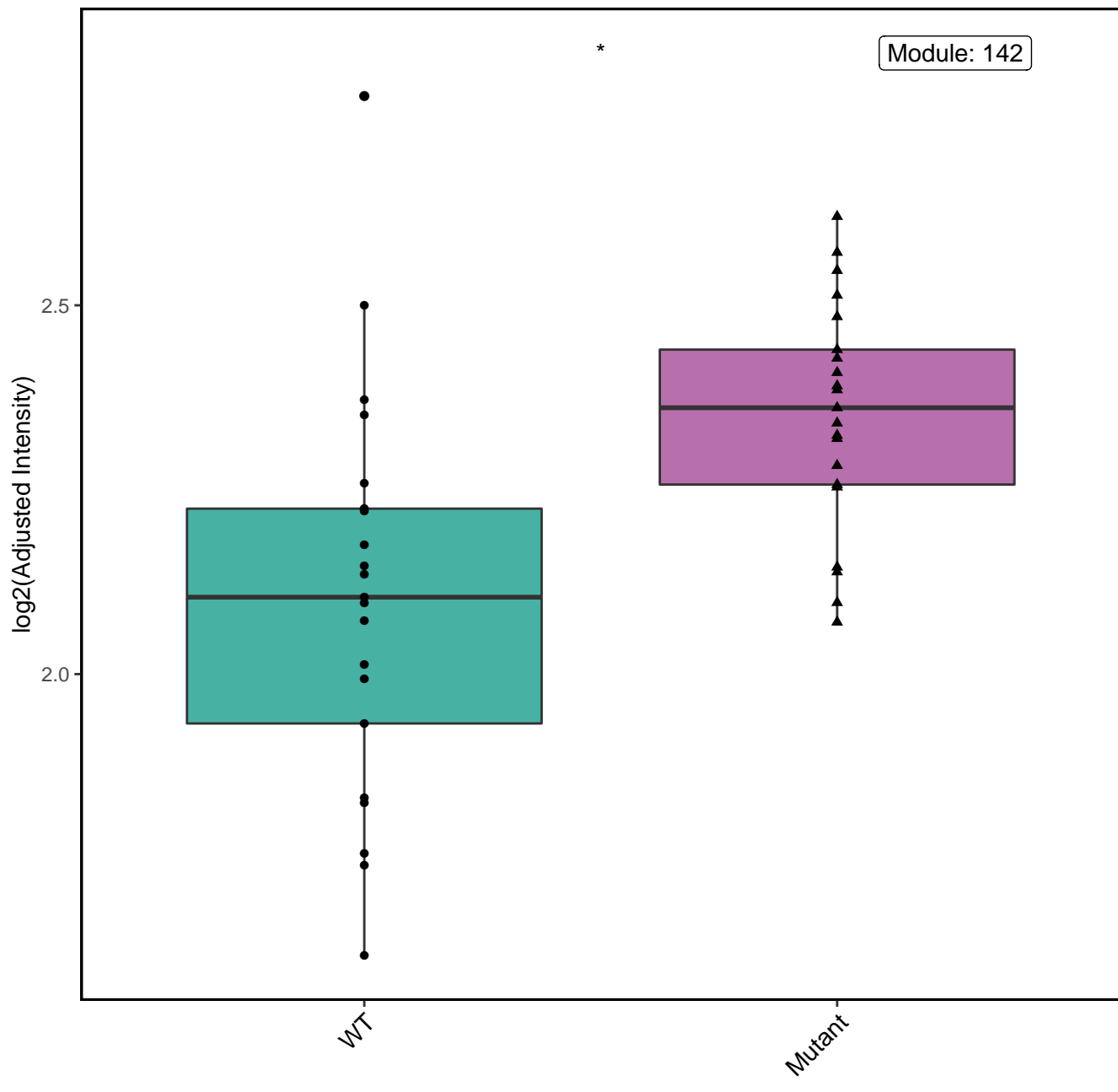
Mutant

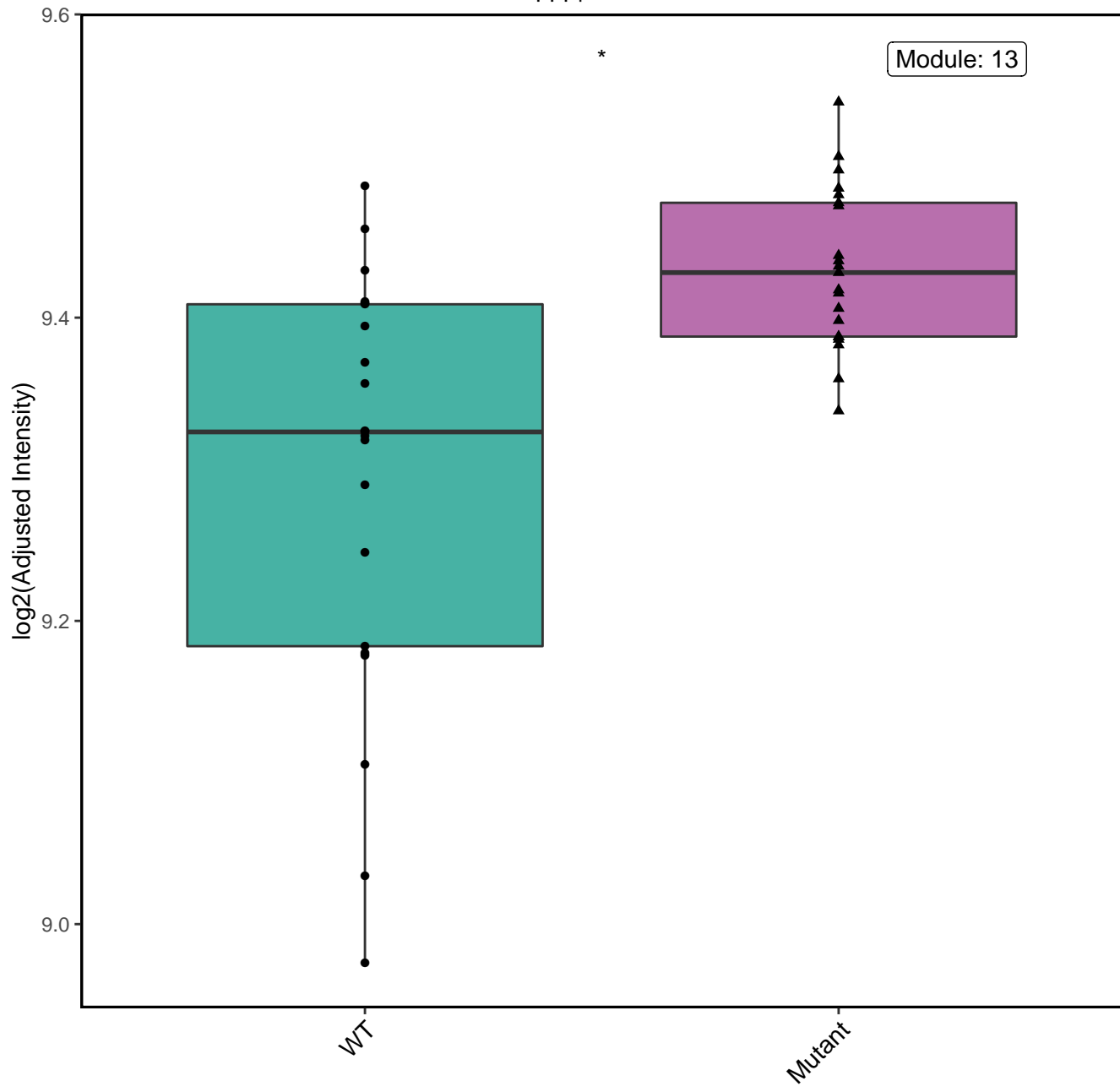


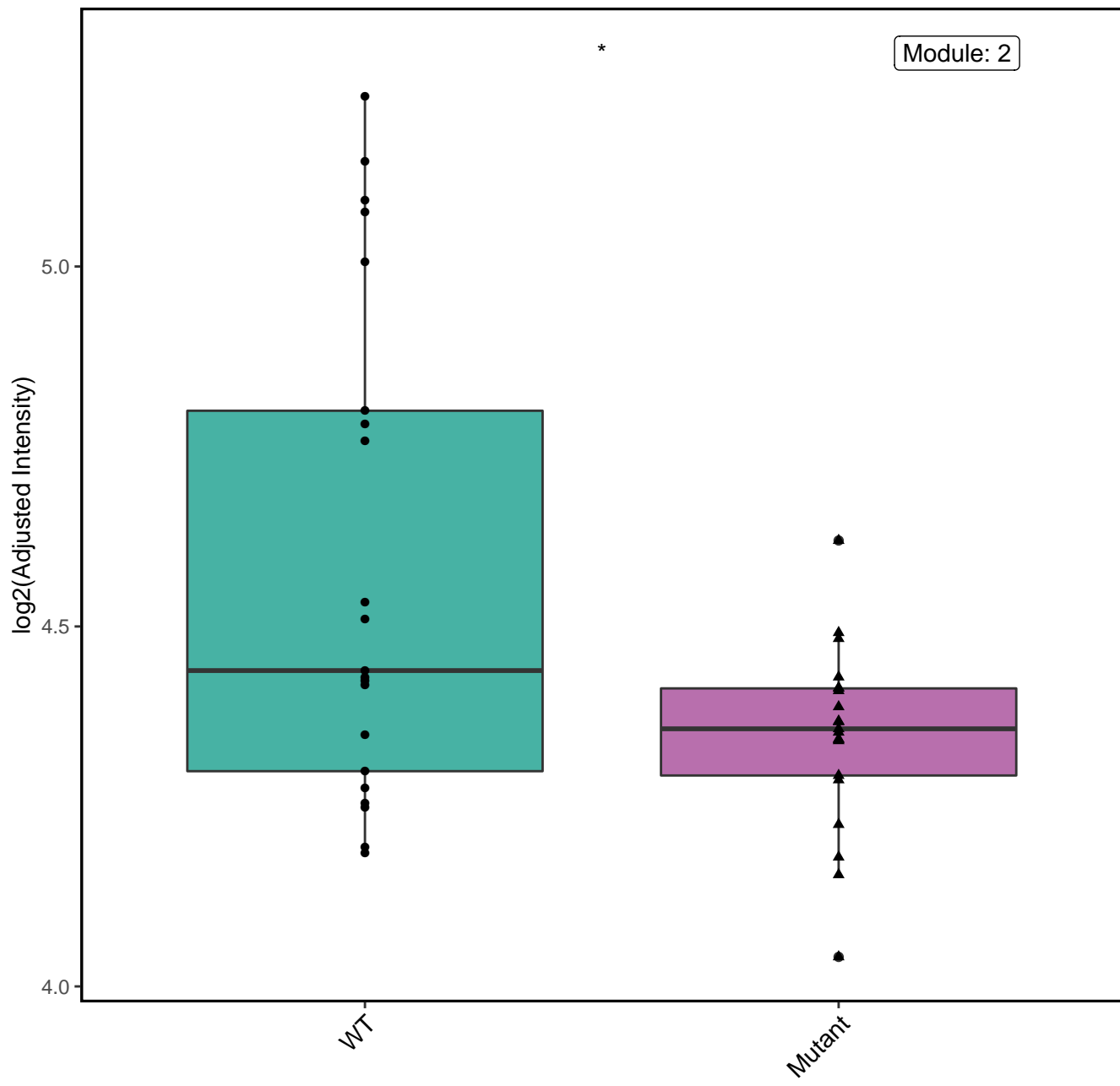


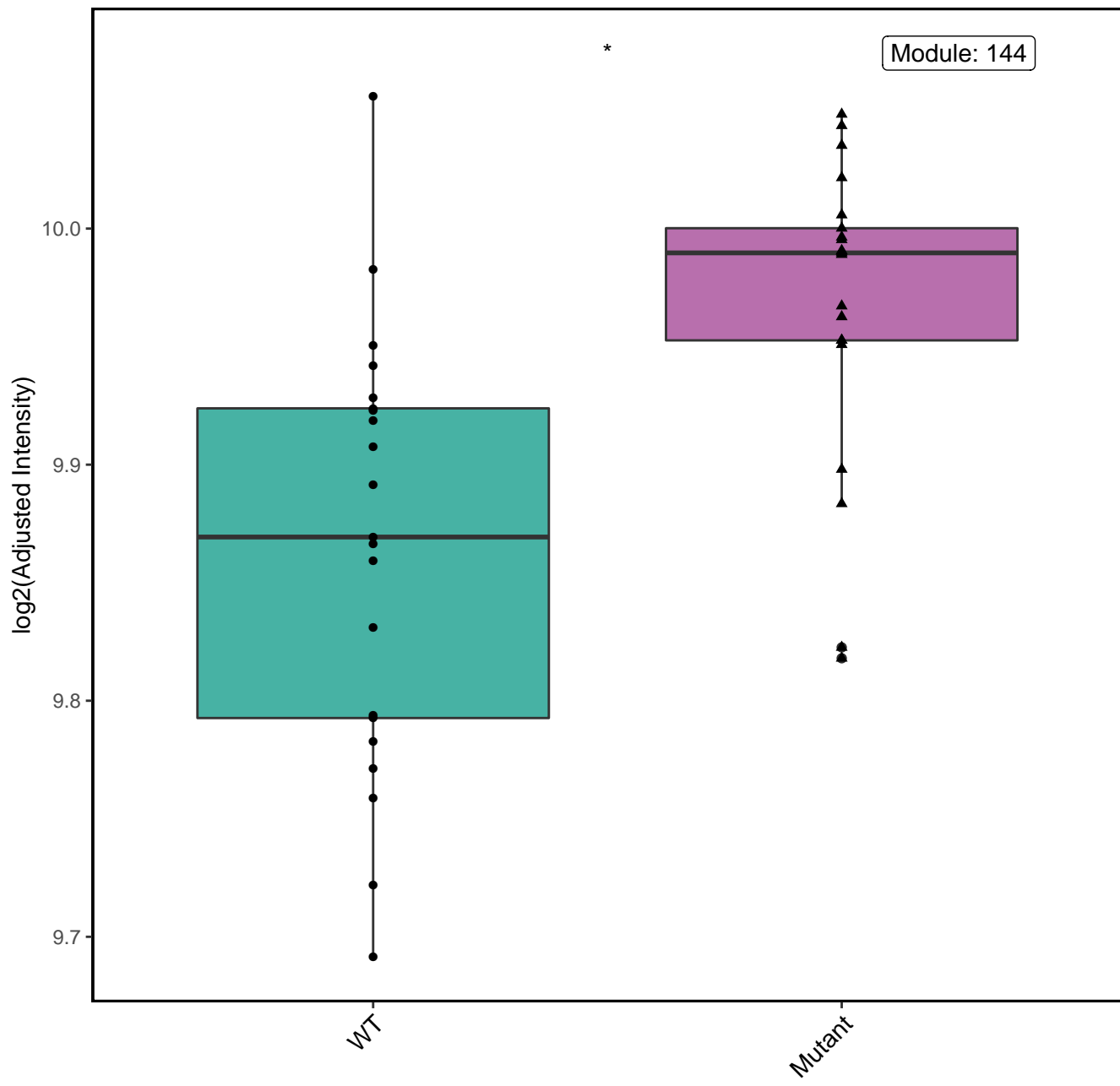


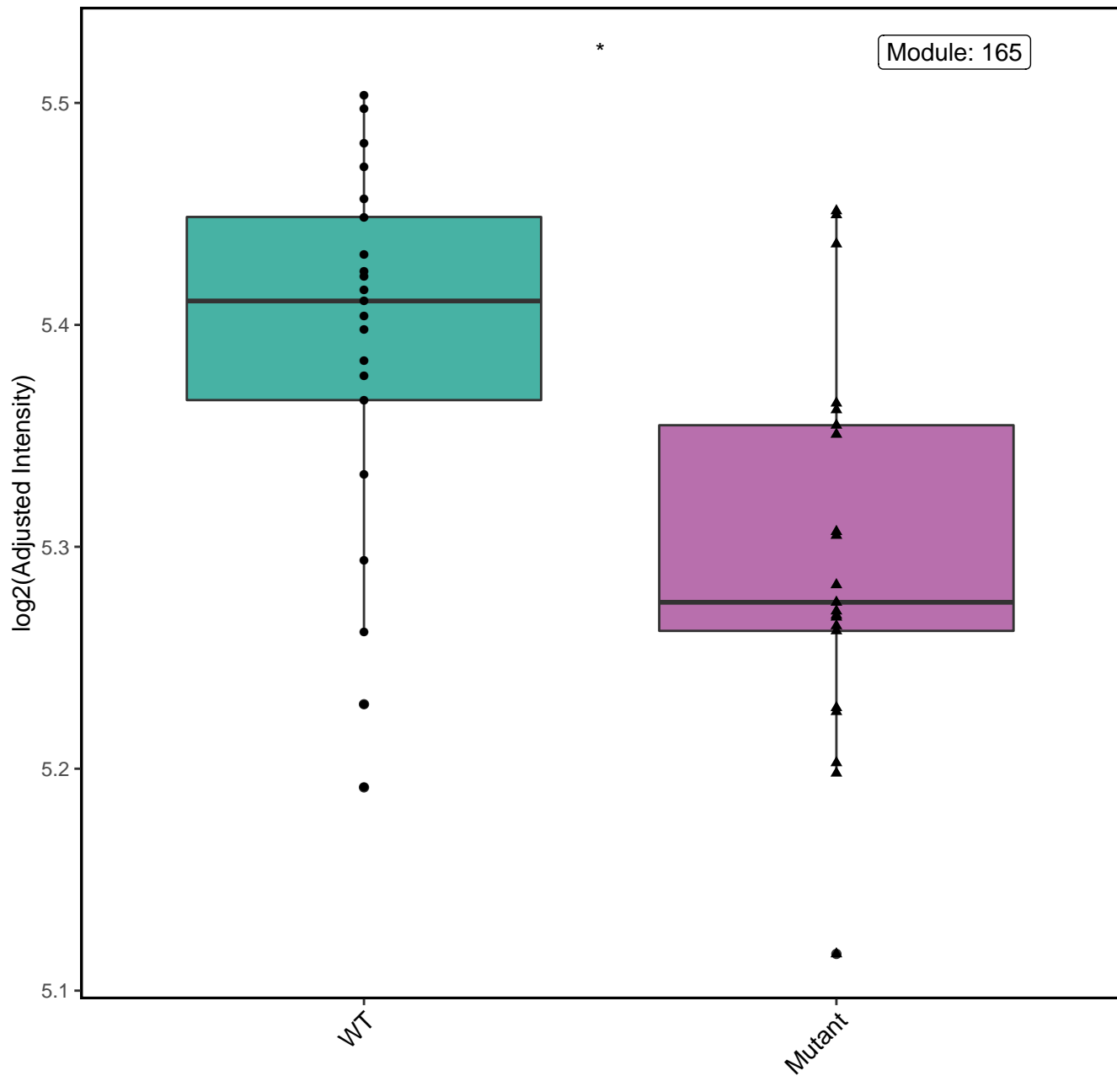


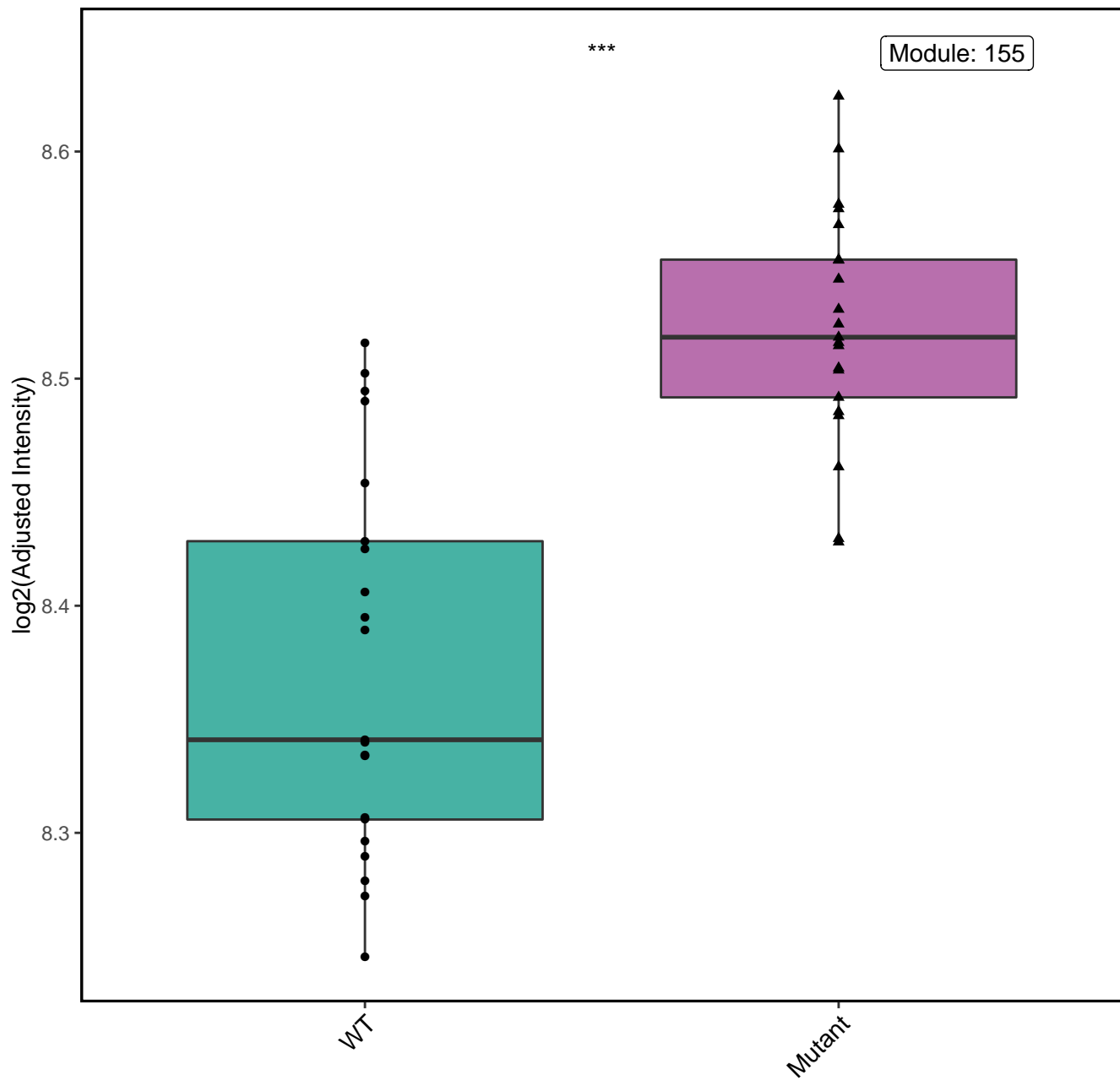


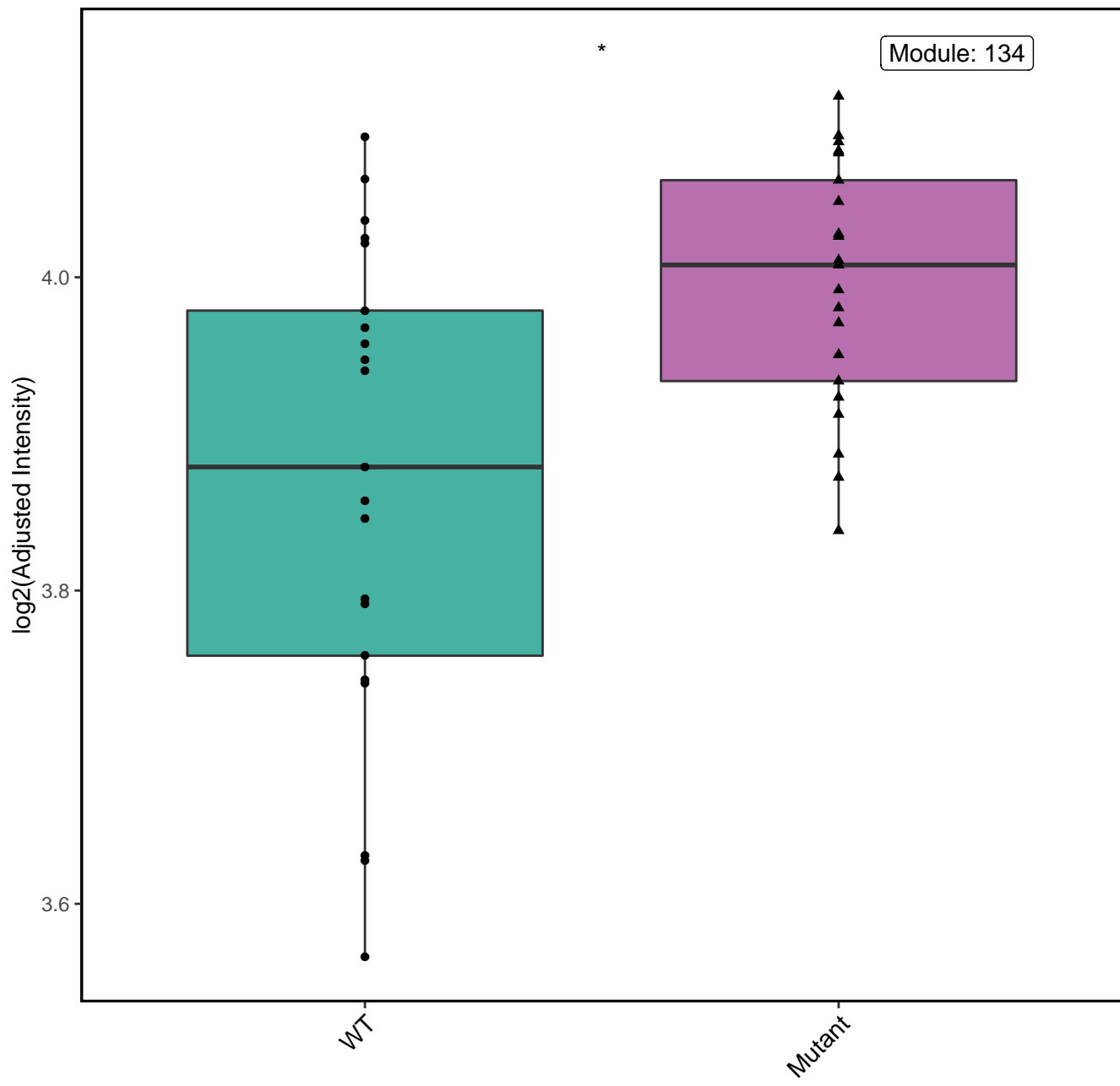


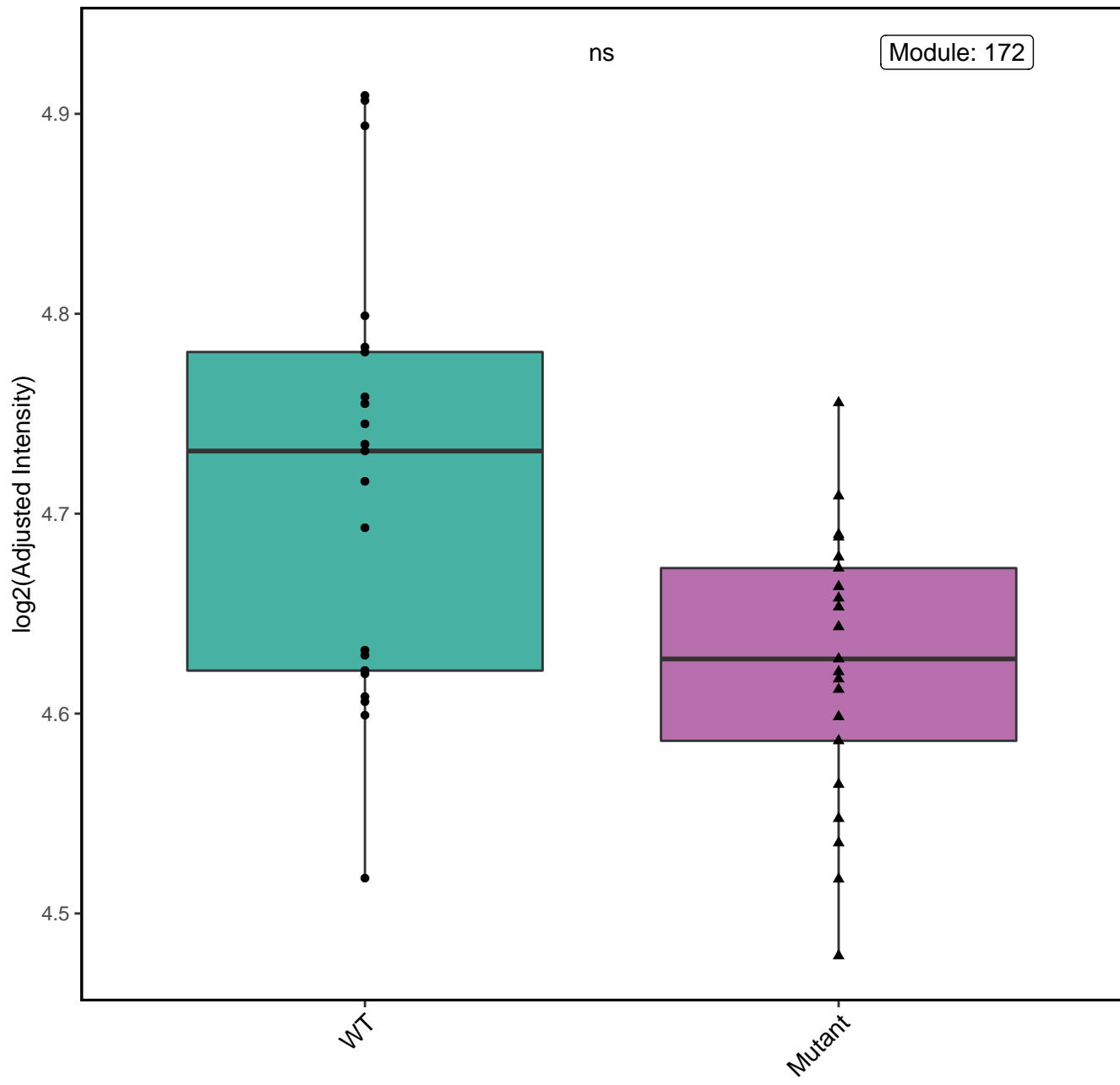




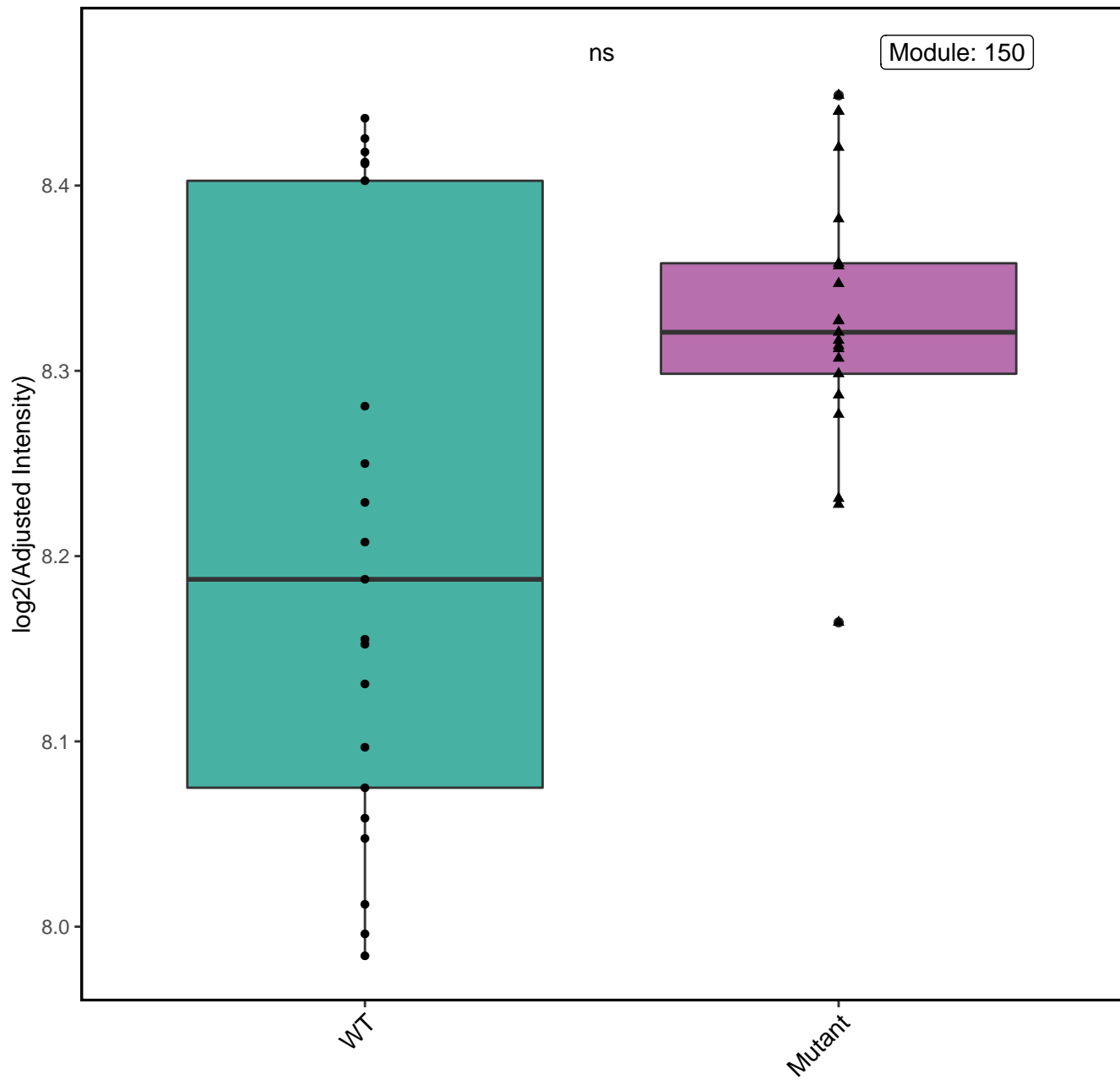


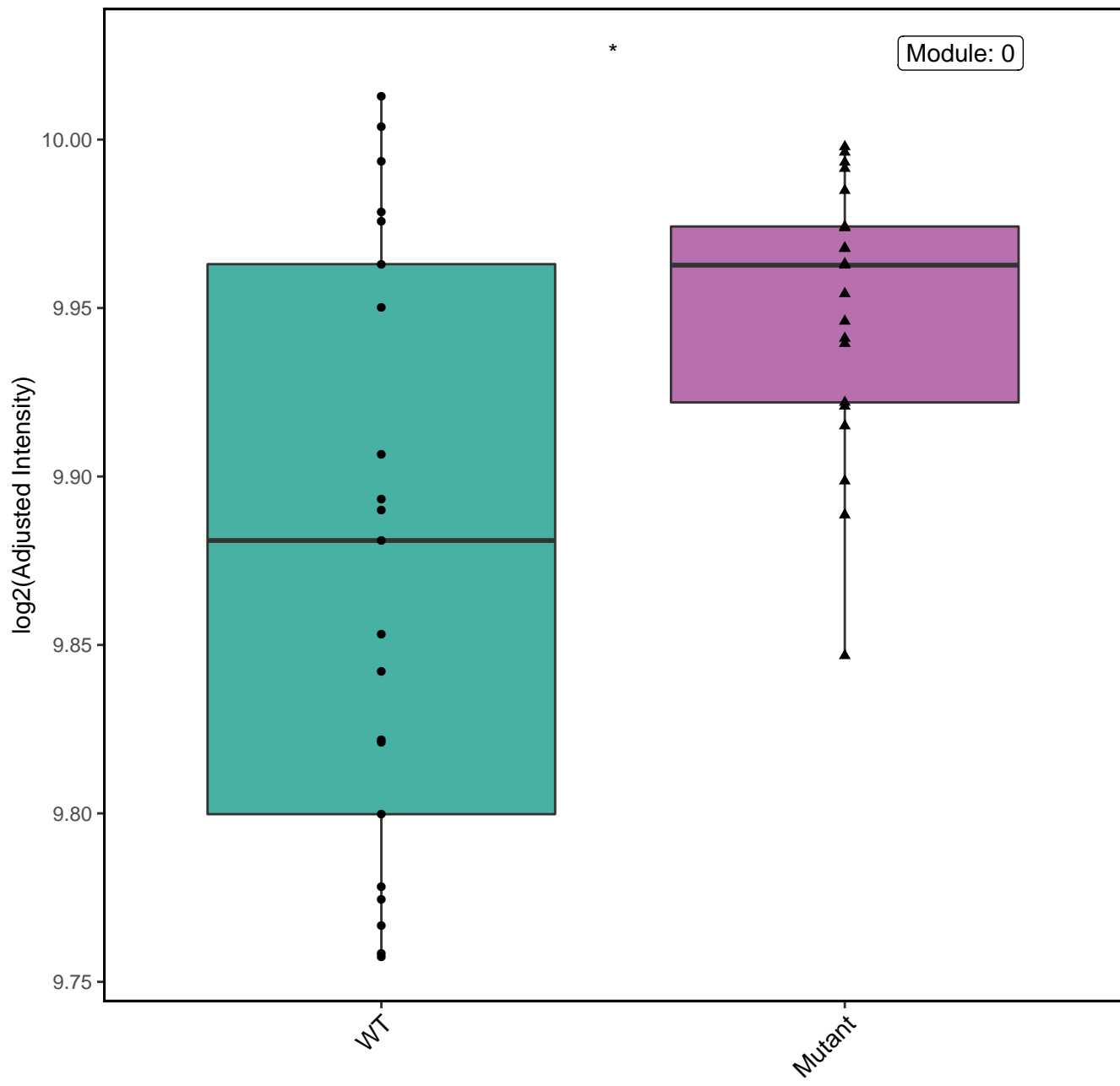


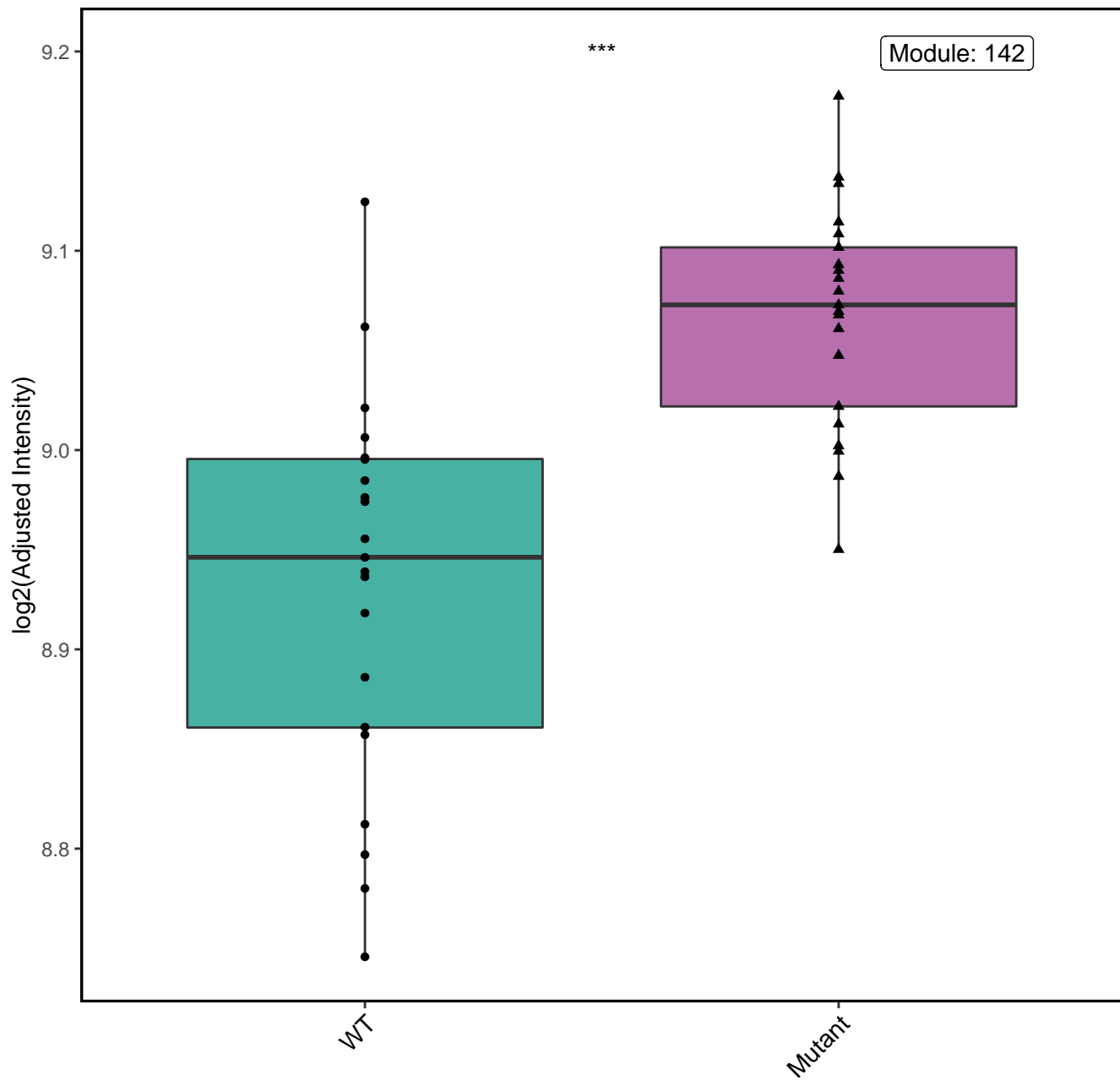


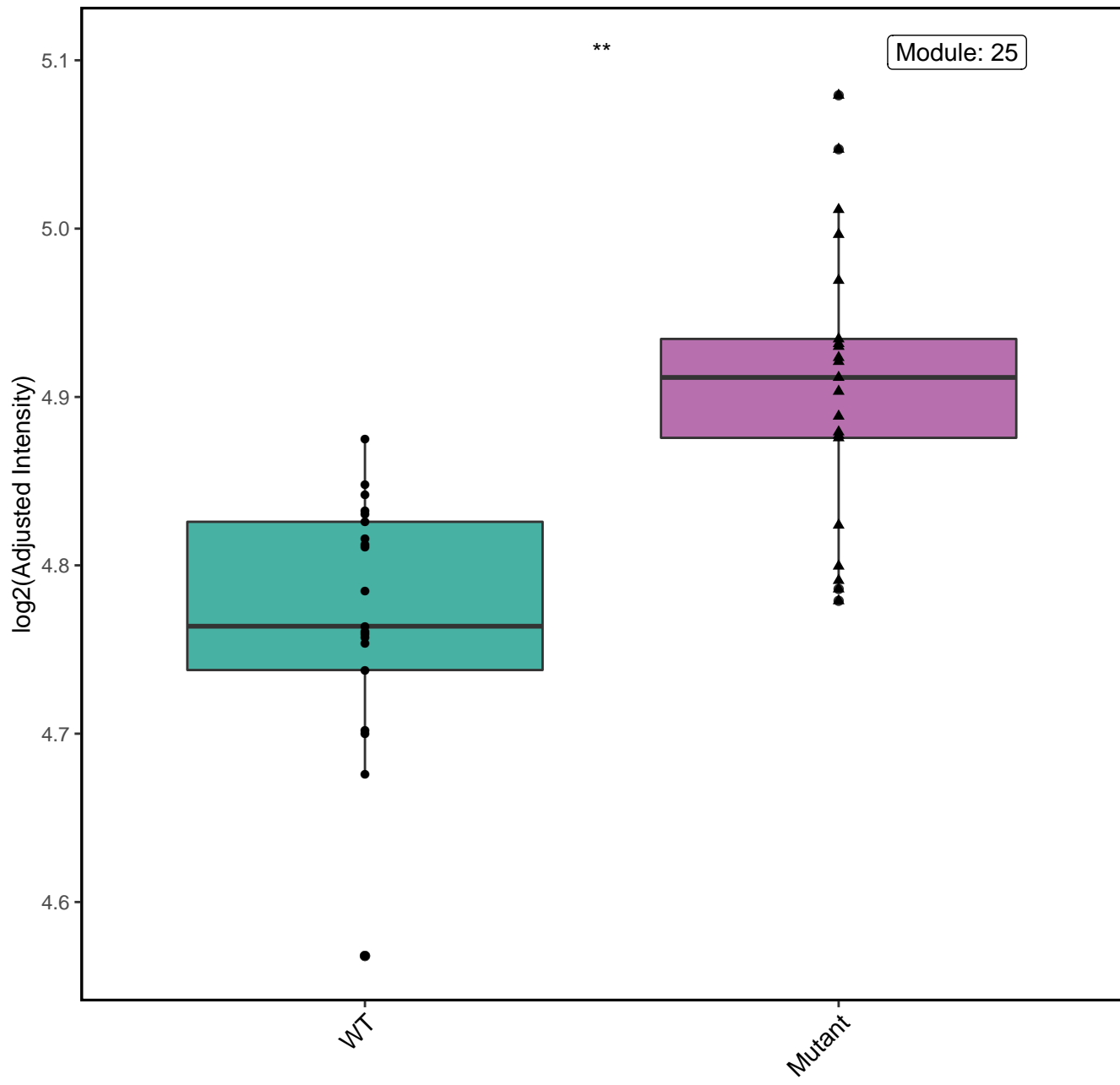


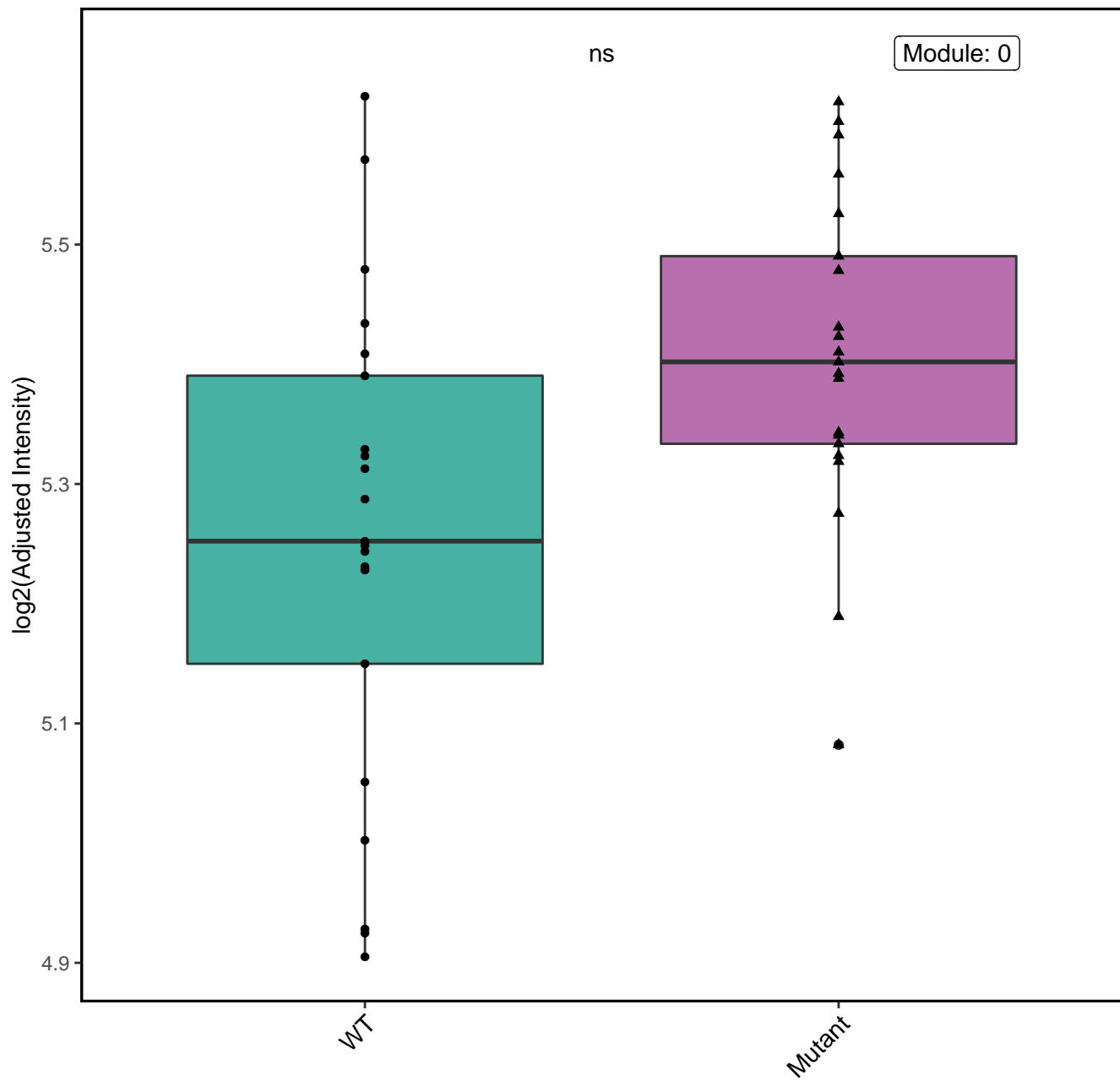


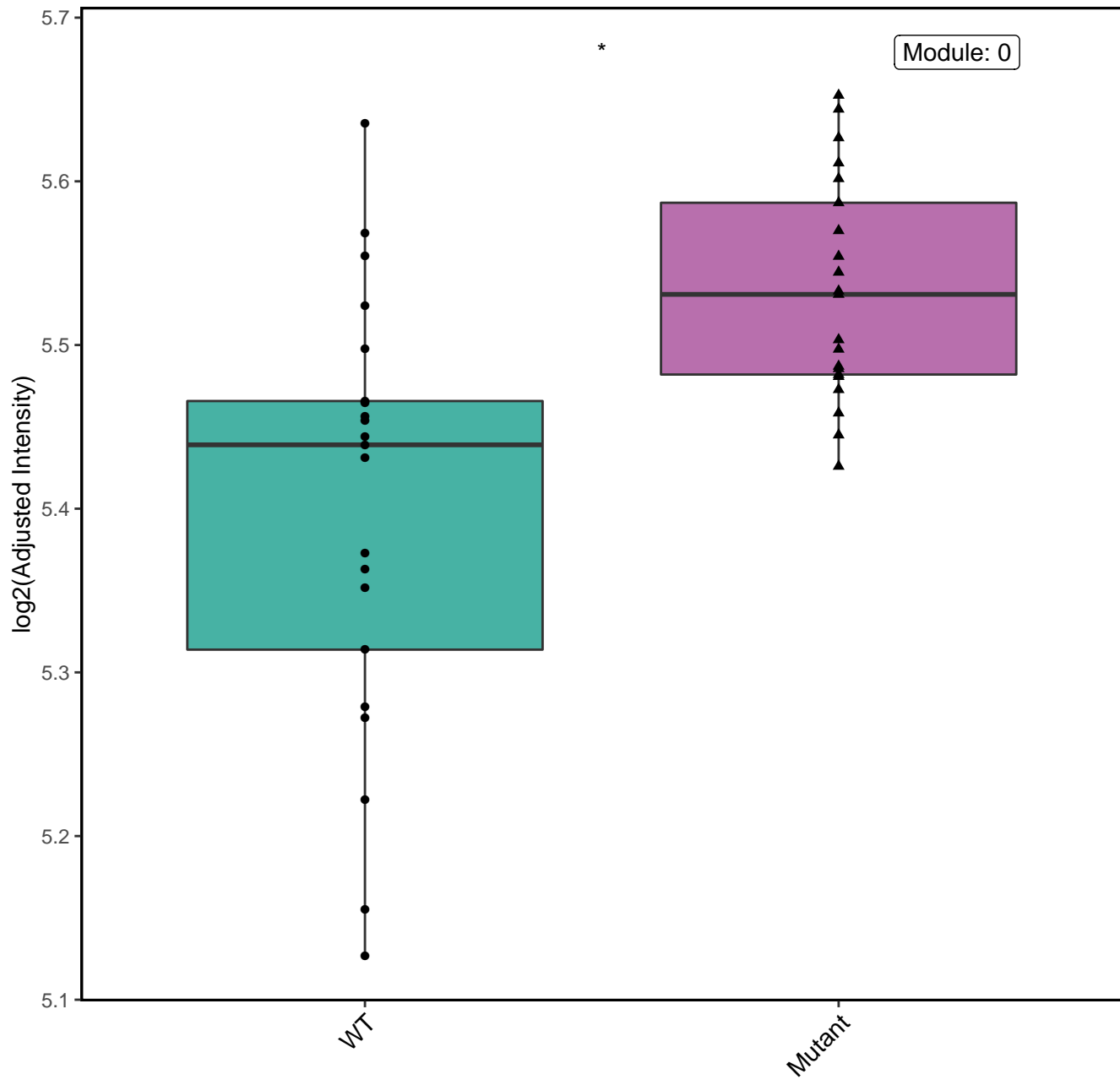


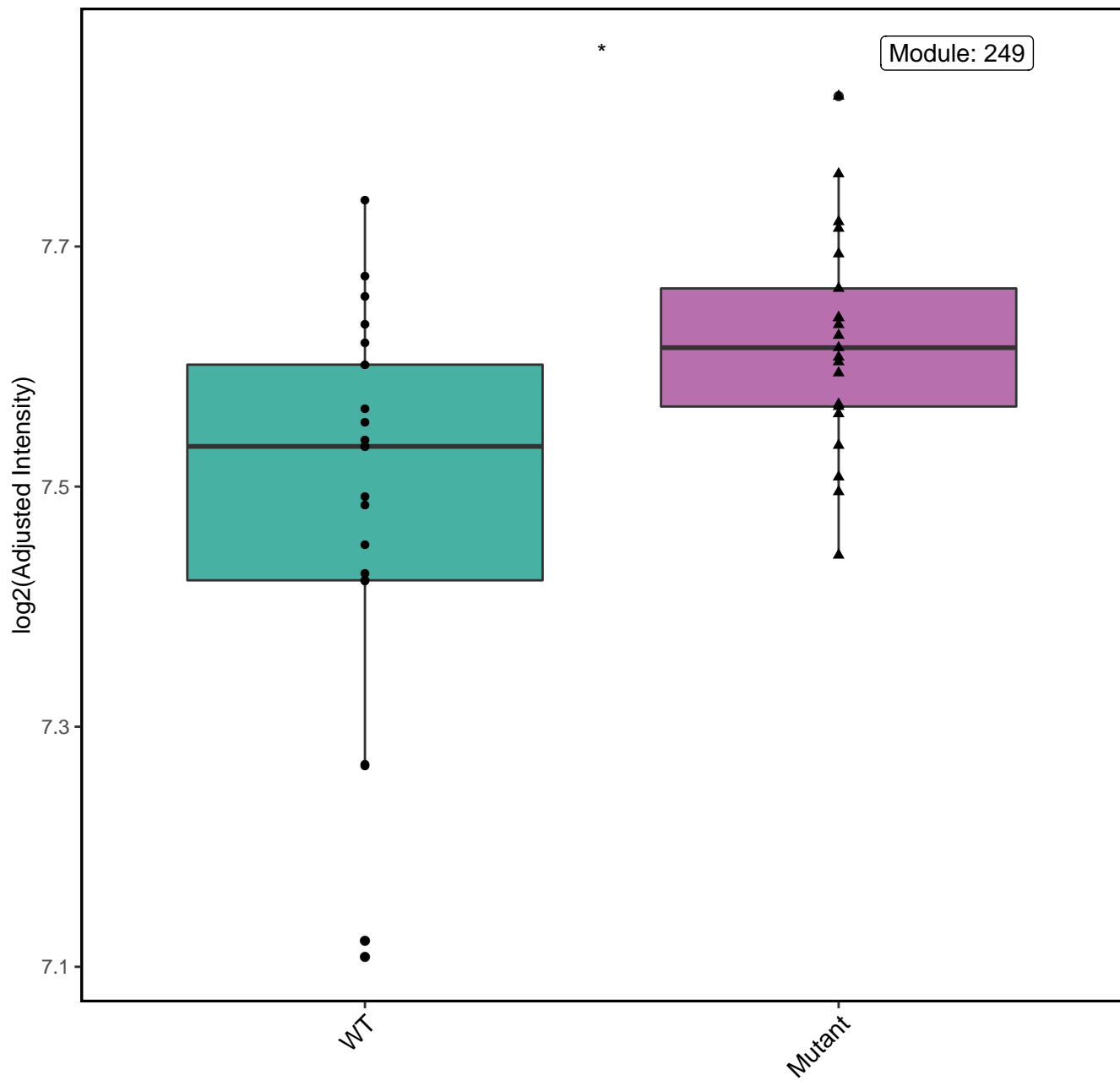


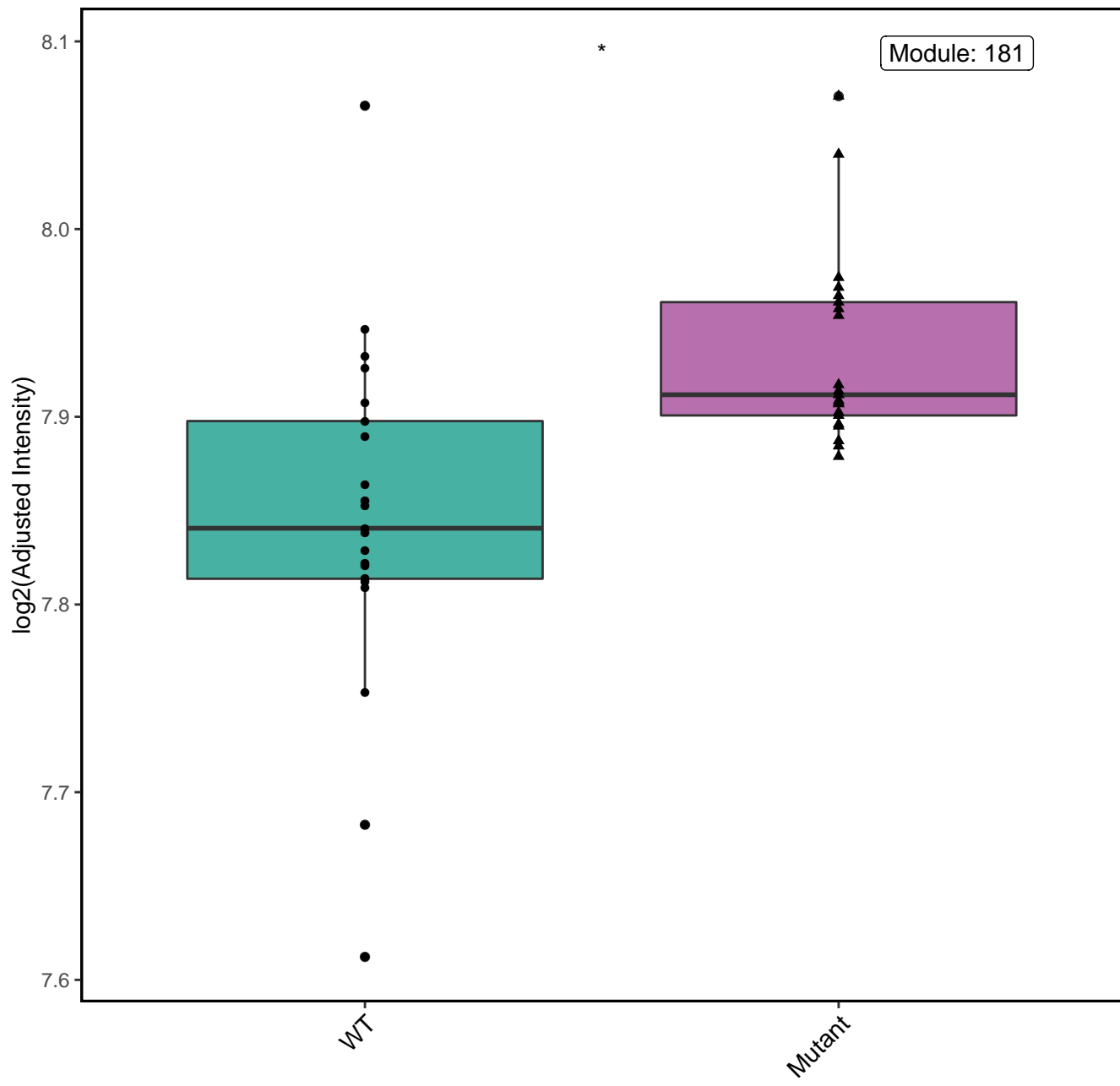














log2(Adjusted Intensity)

7.6

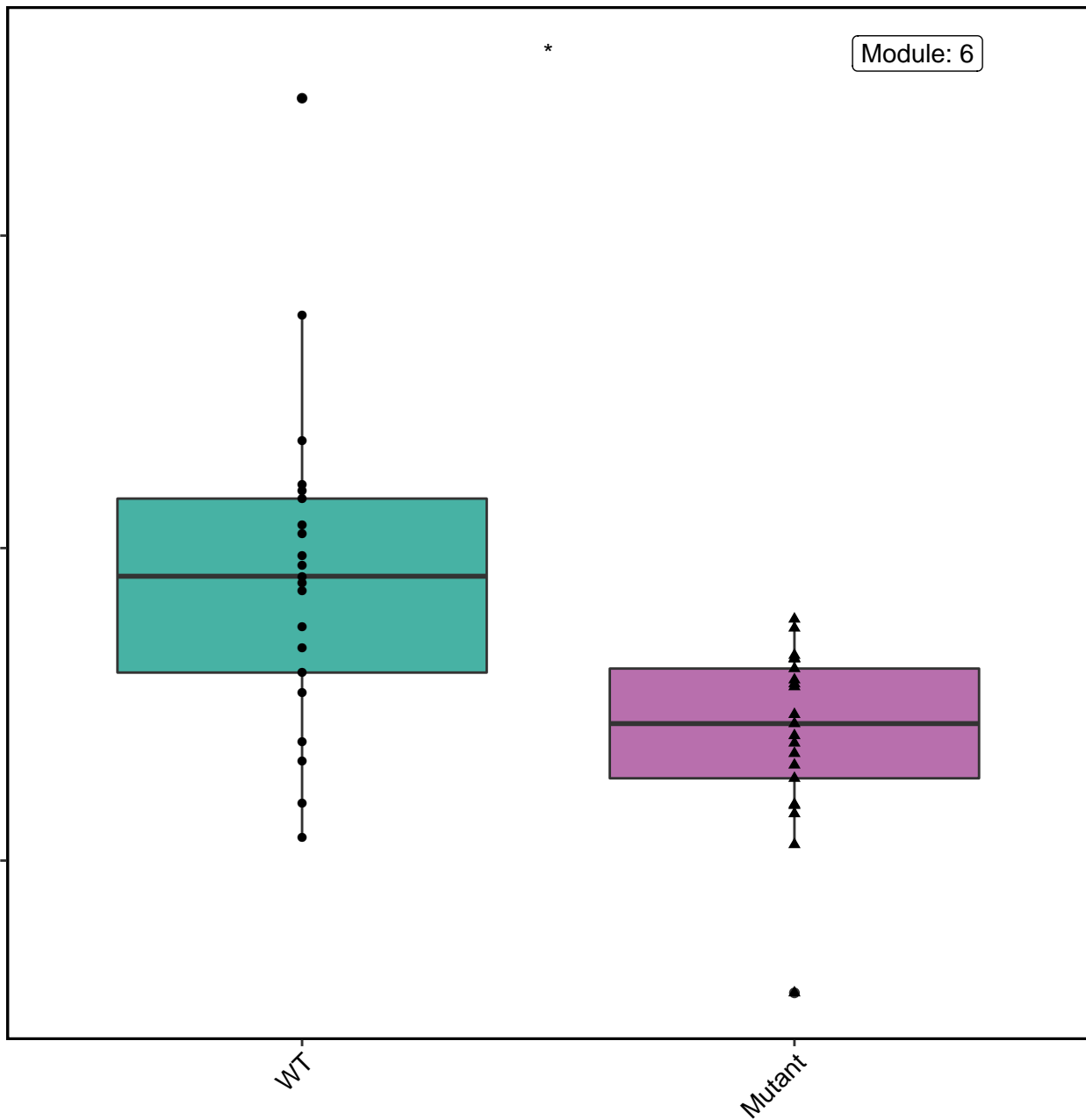
7.5

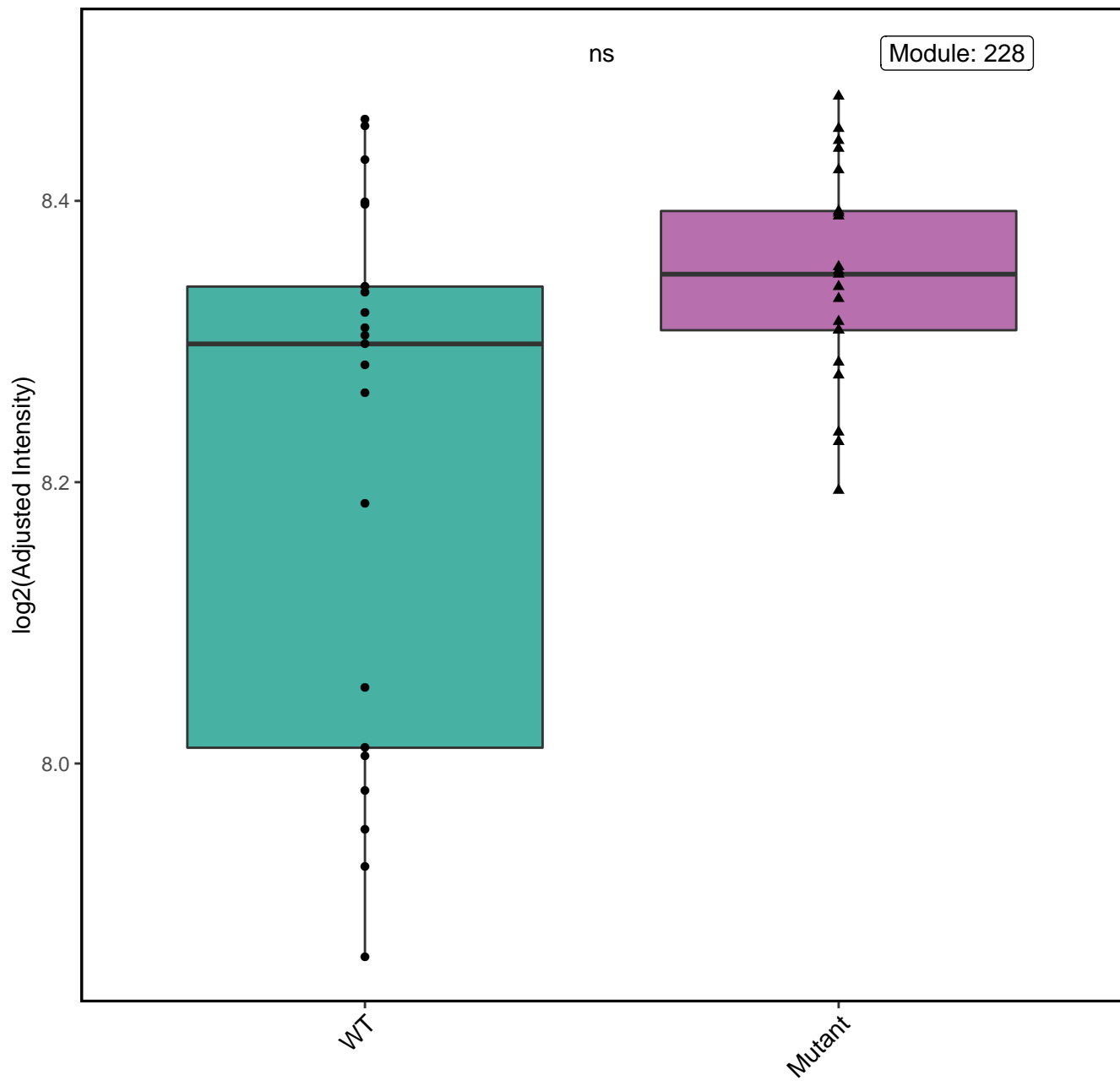
7.4

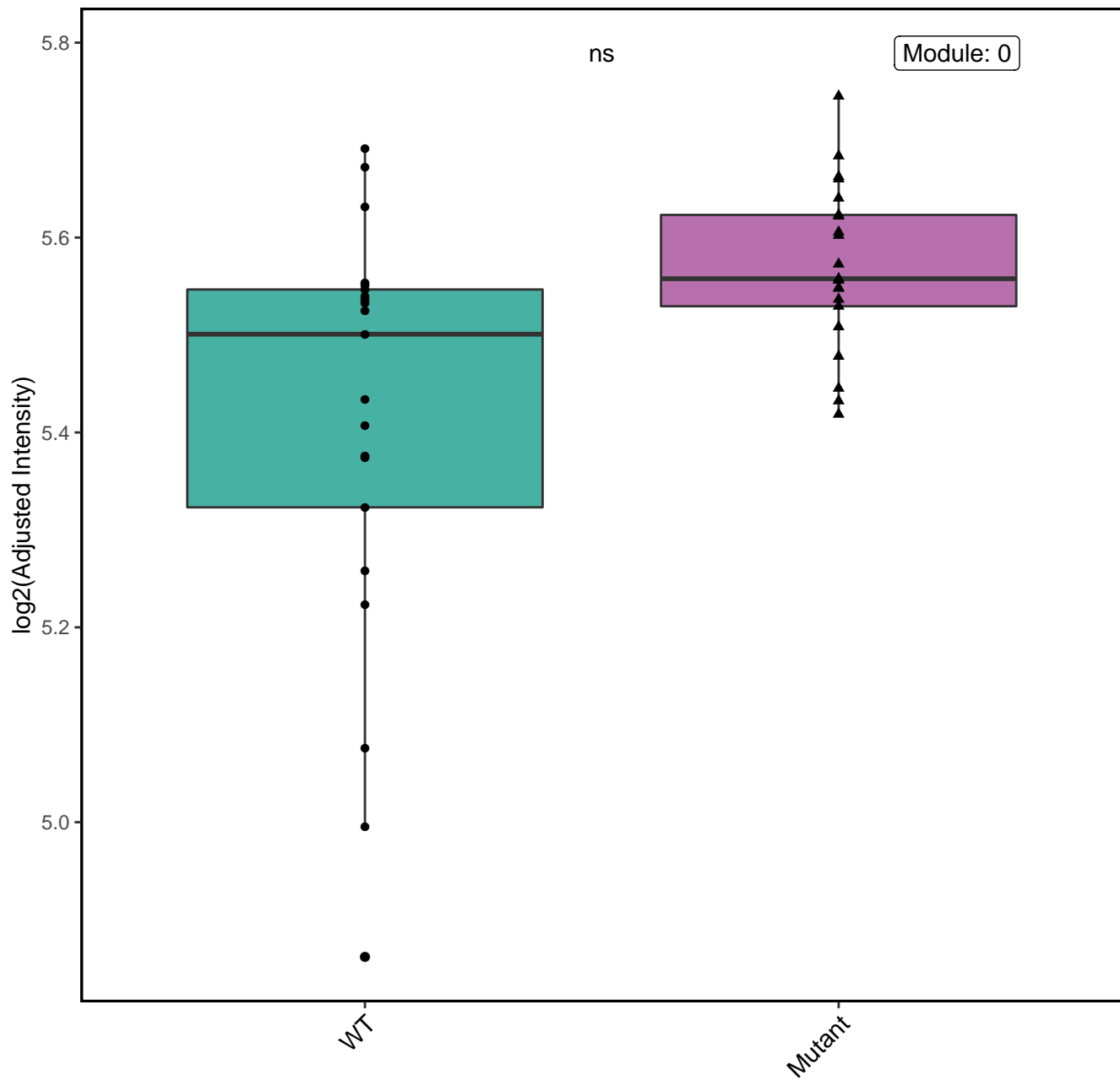
WT

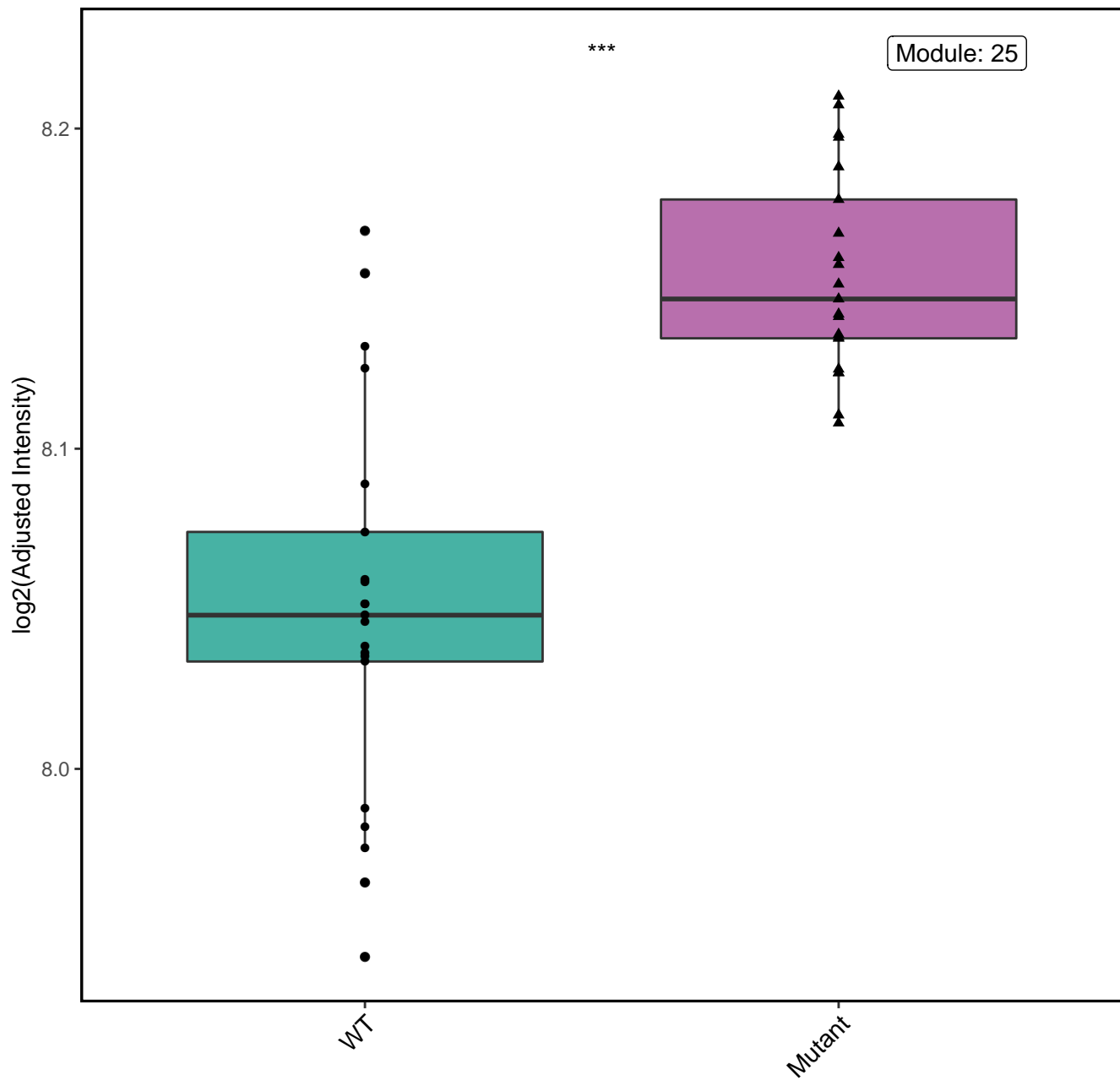
Mutant

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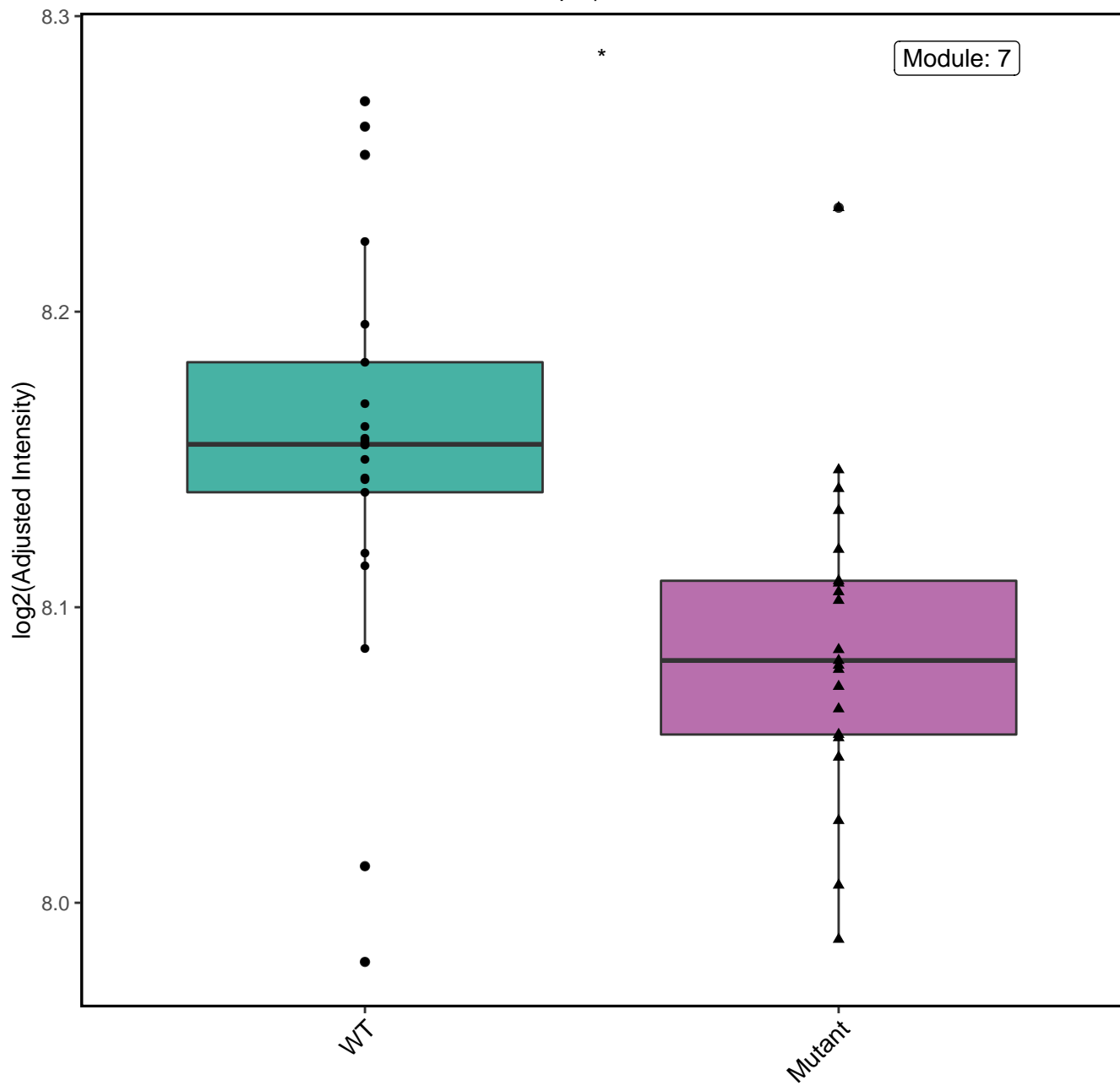


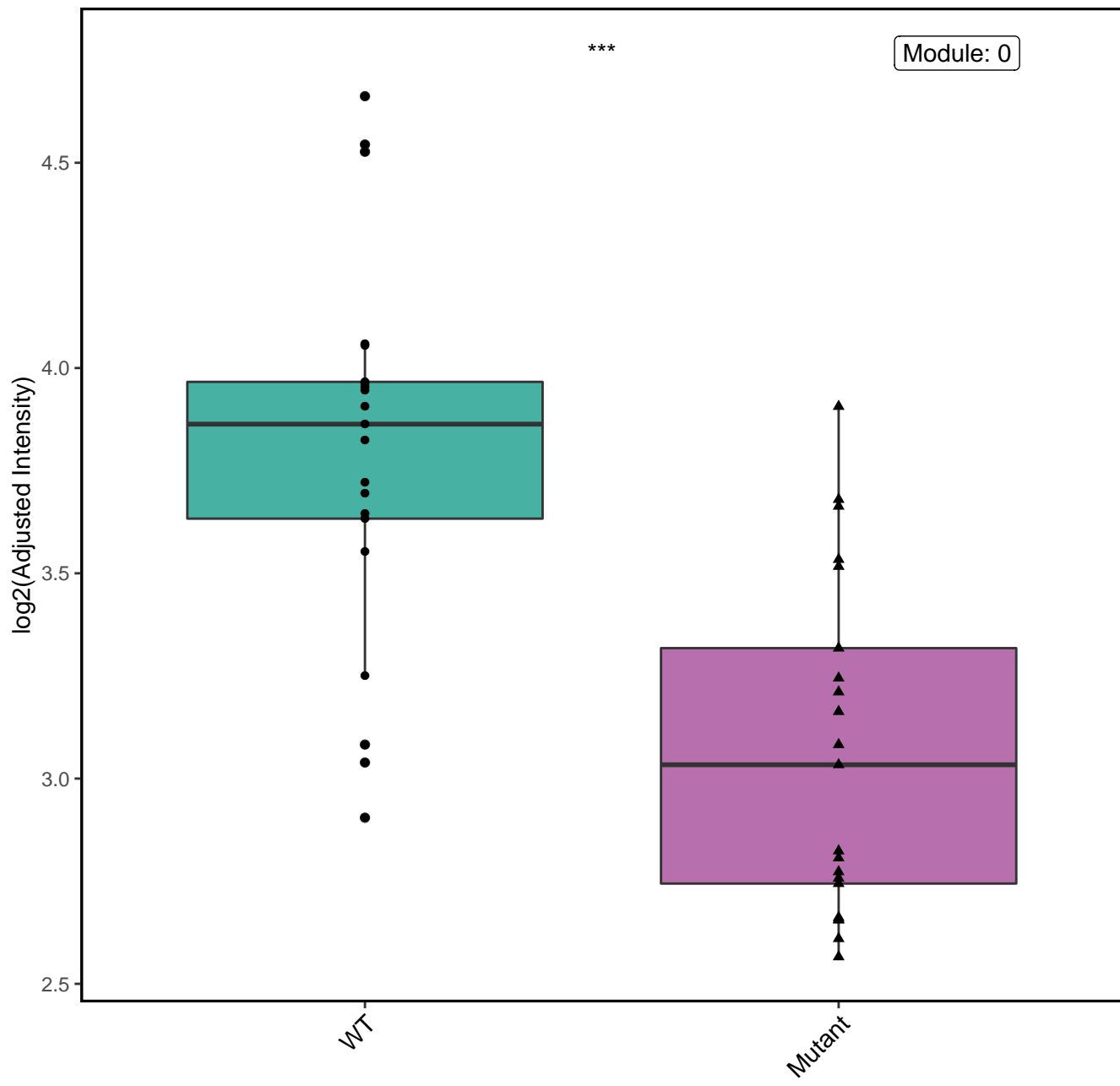


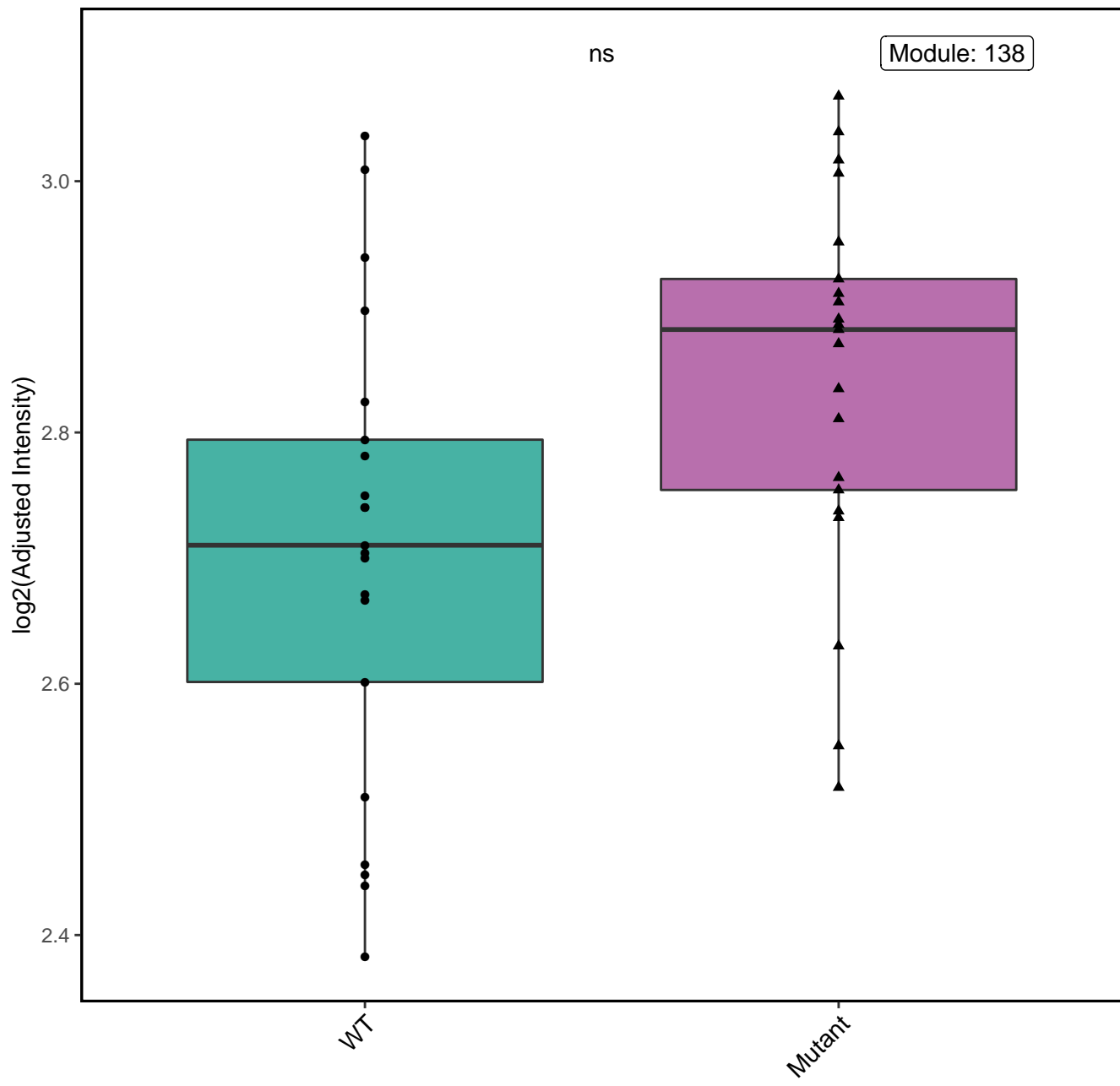


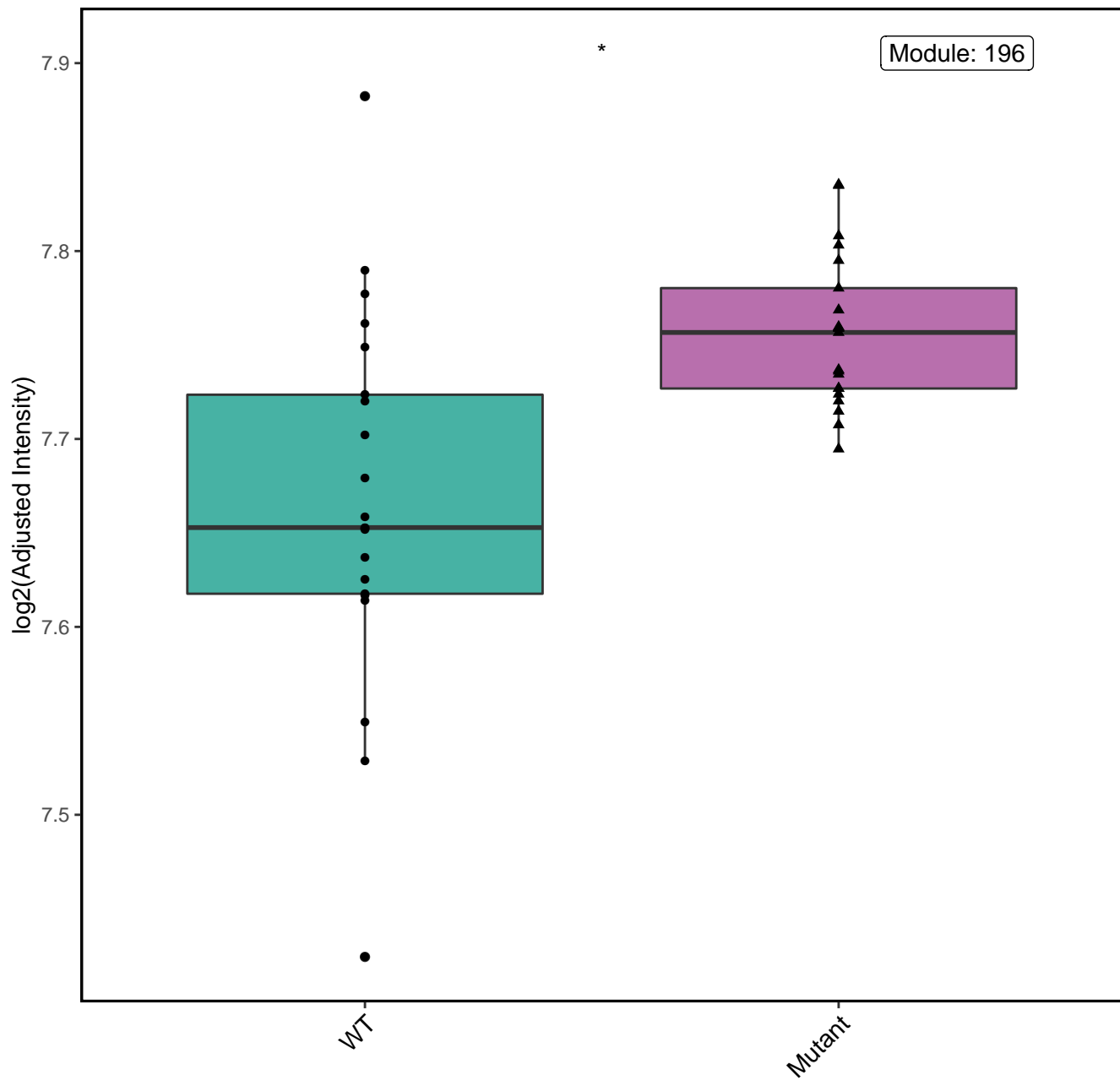


# Ubp2I|Q80X50

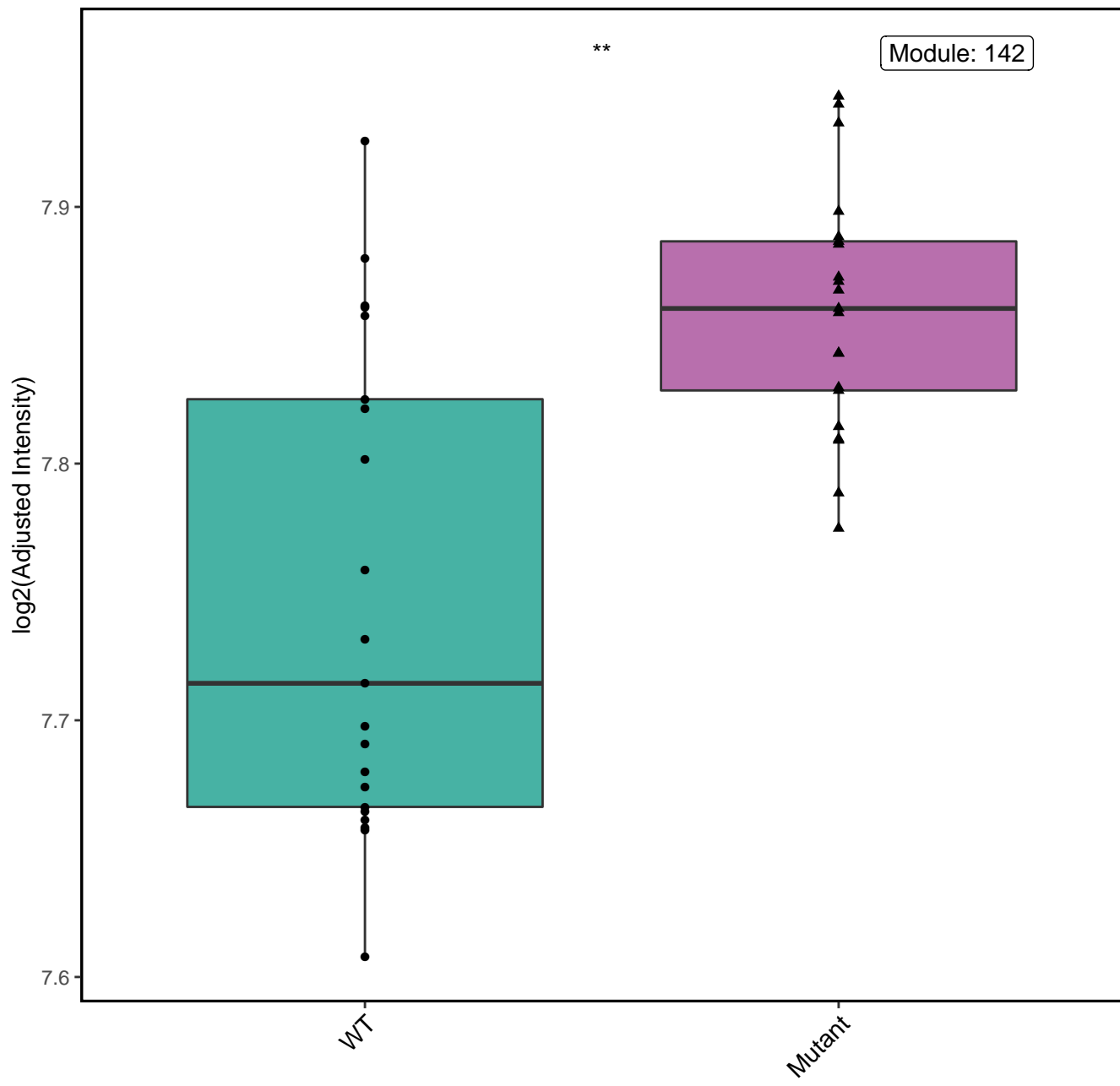


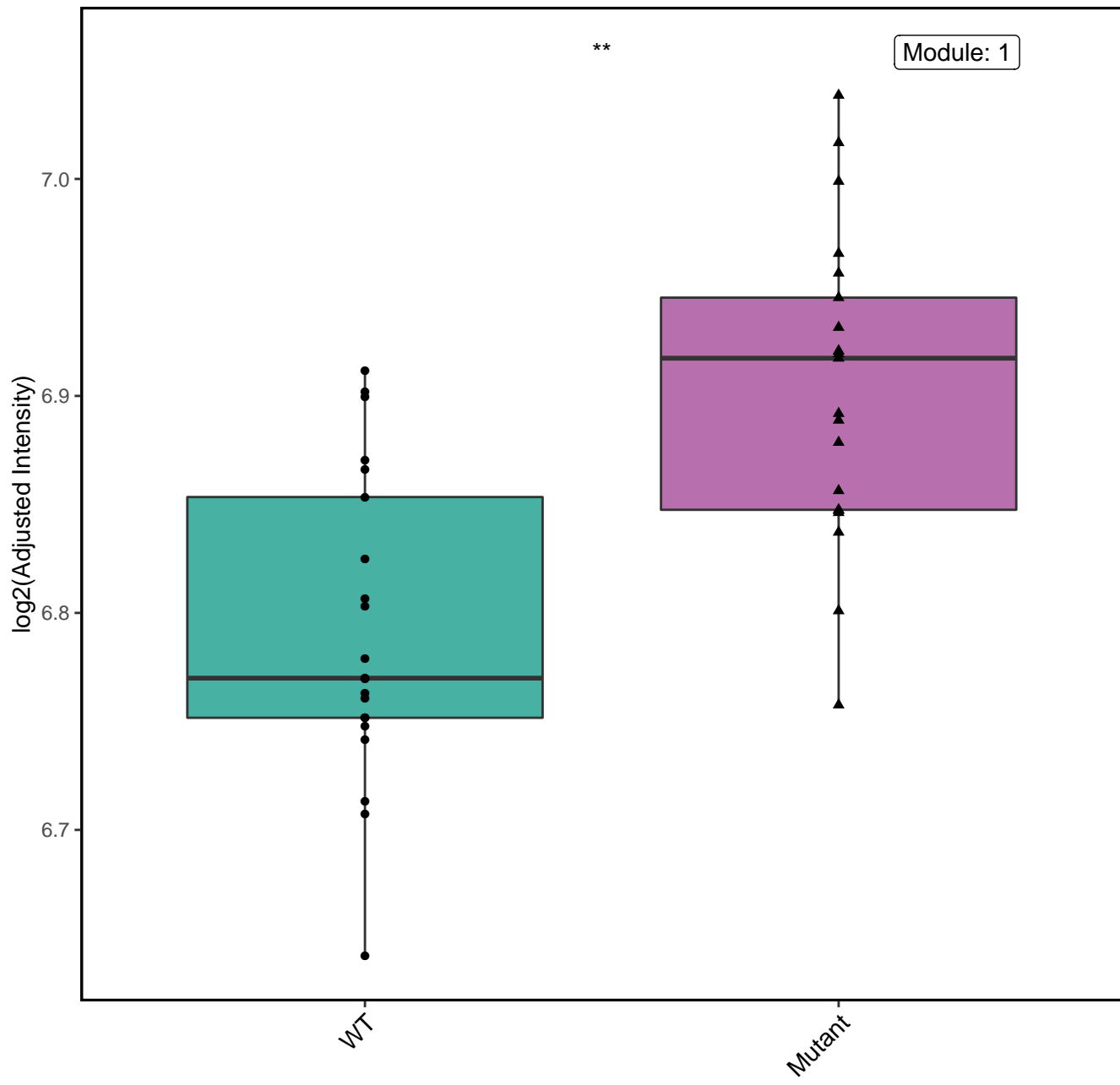


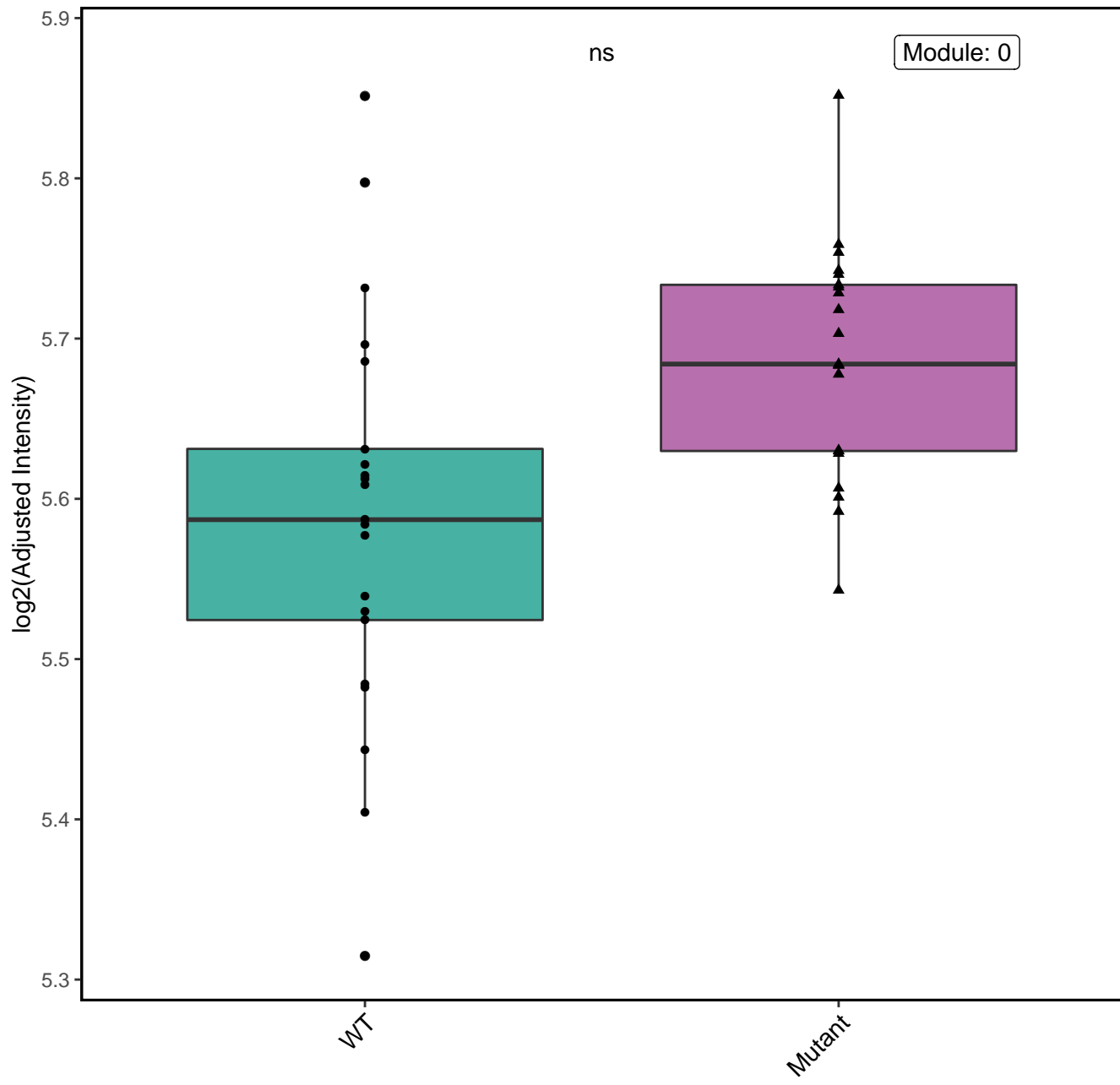


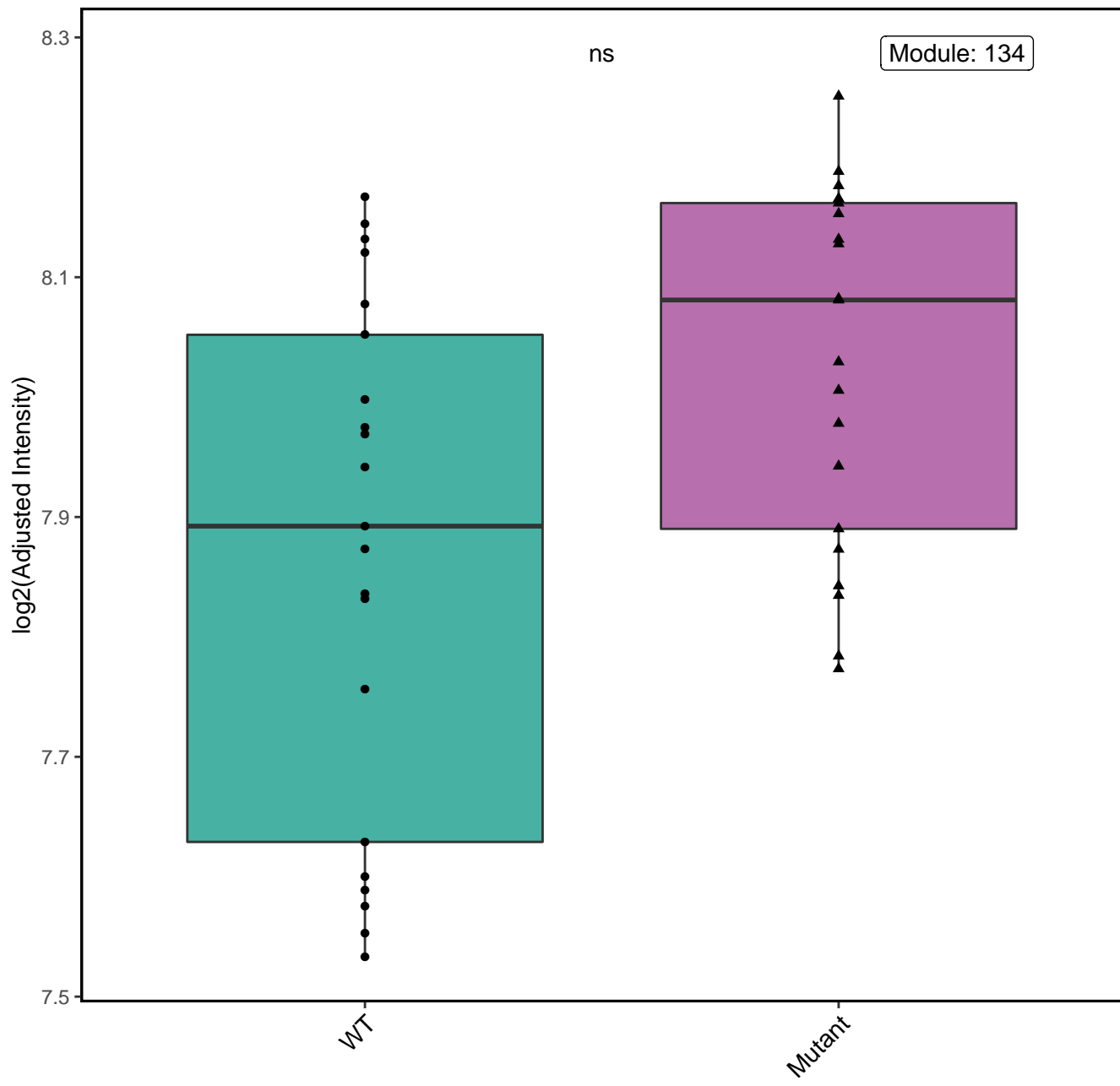


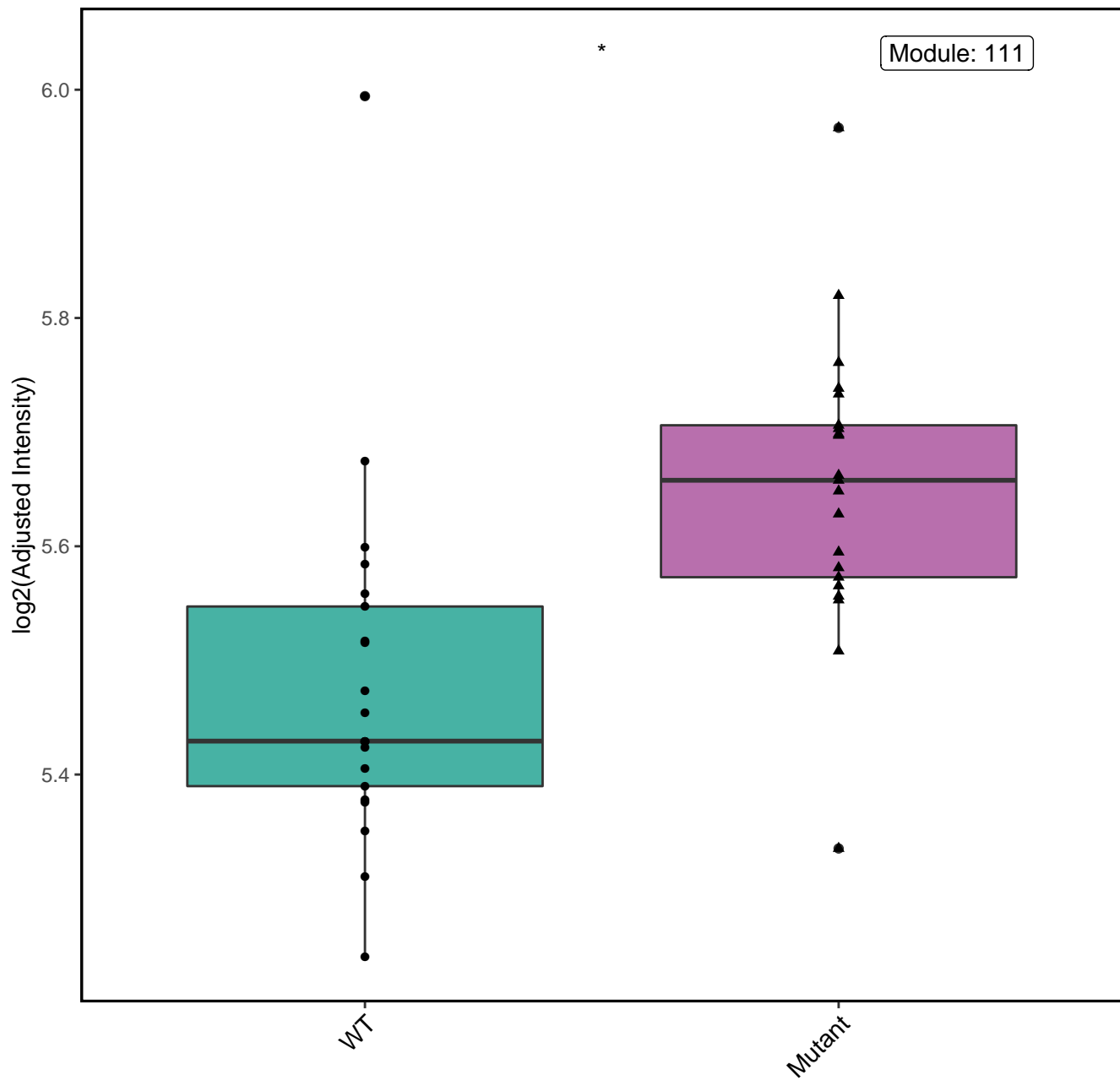


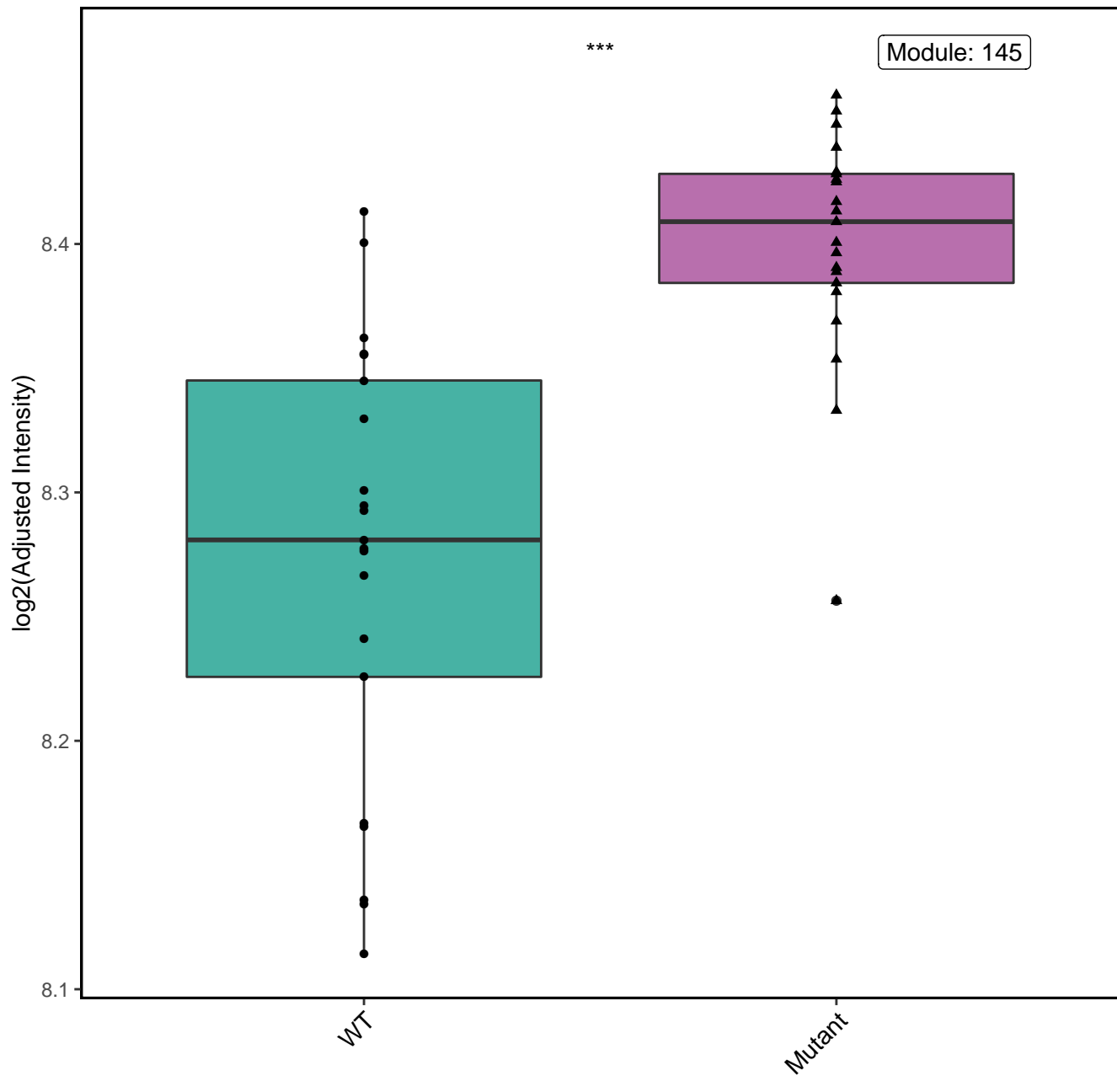


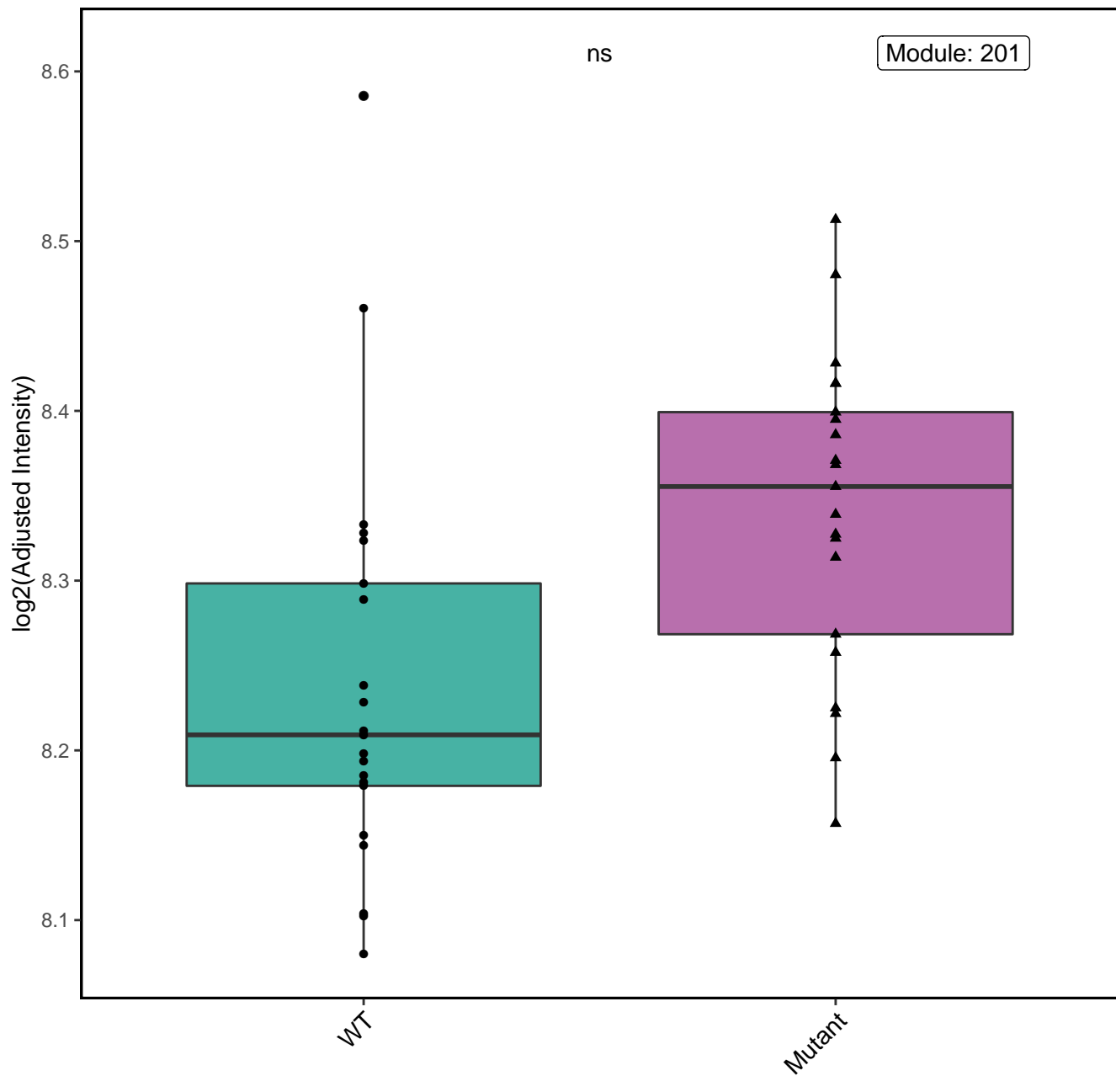


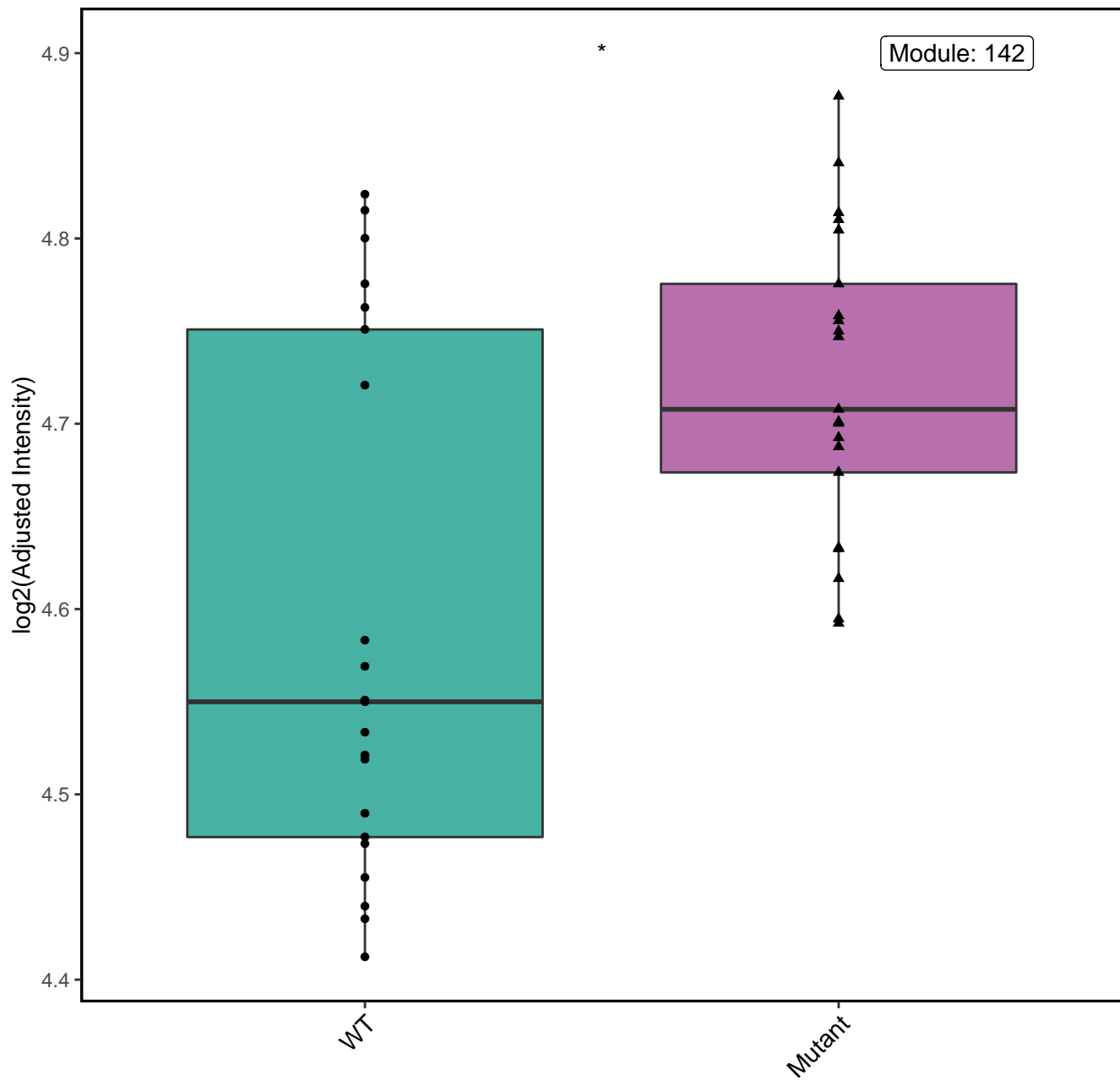




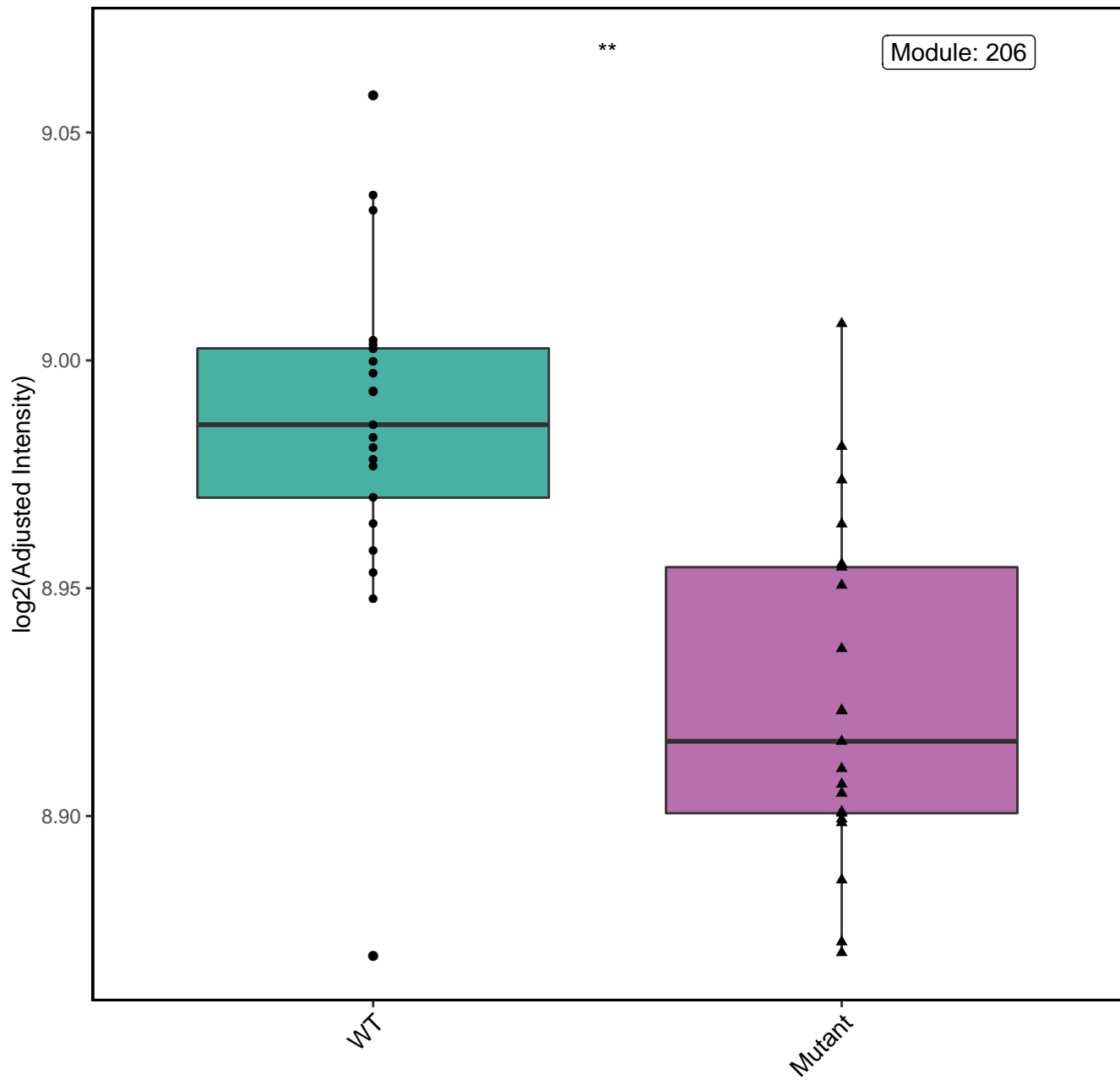


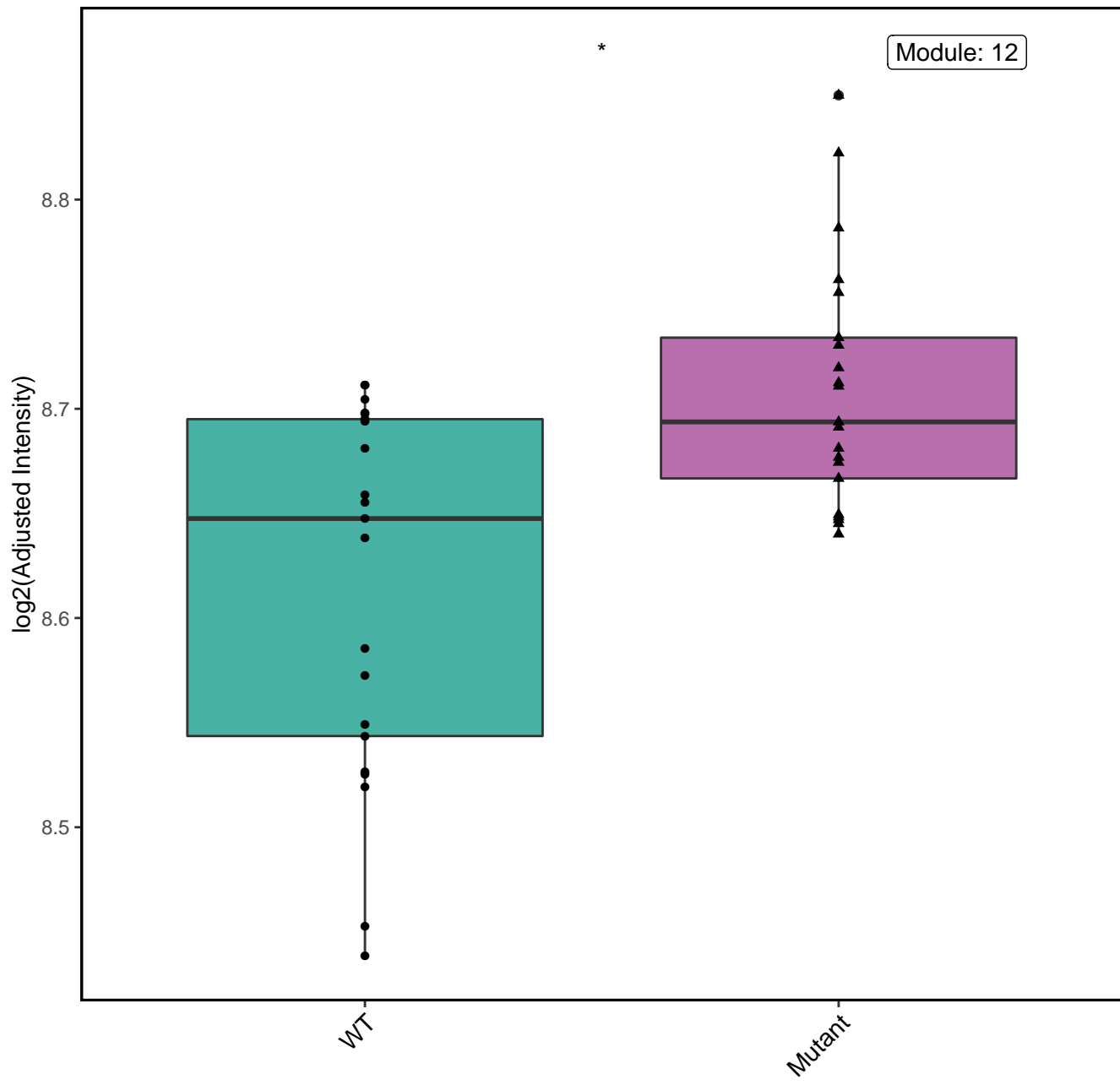


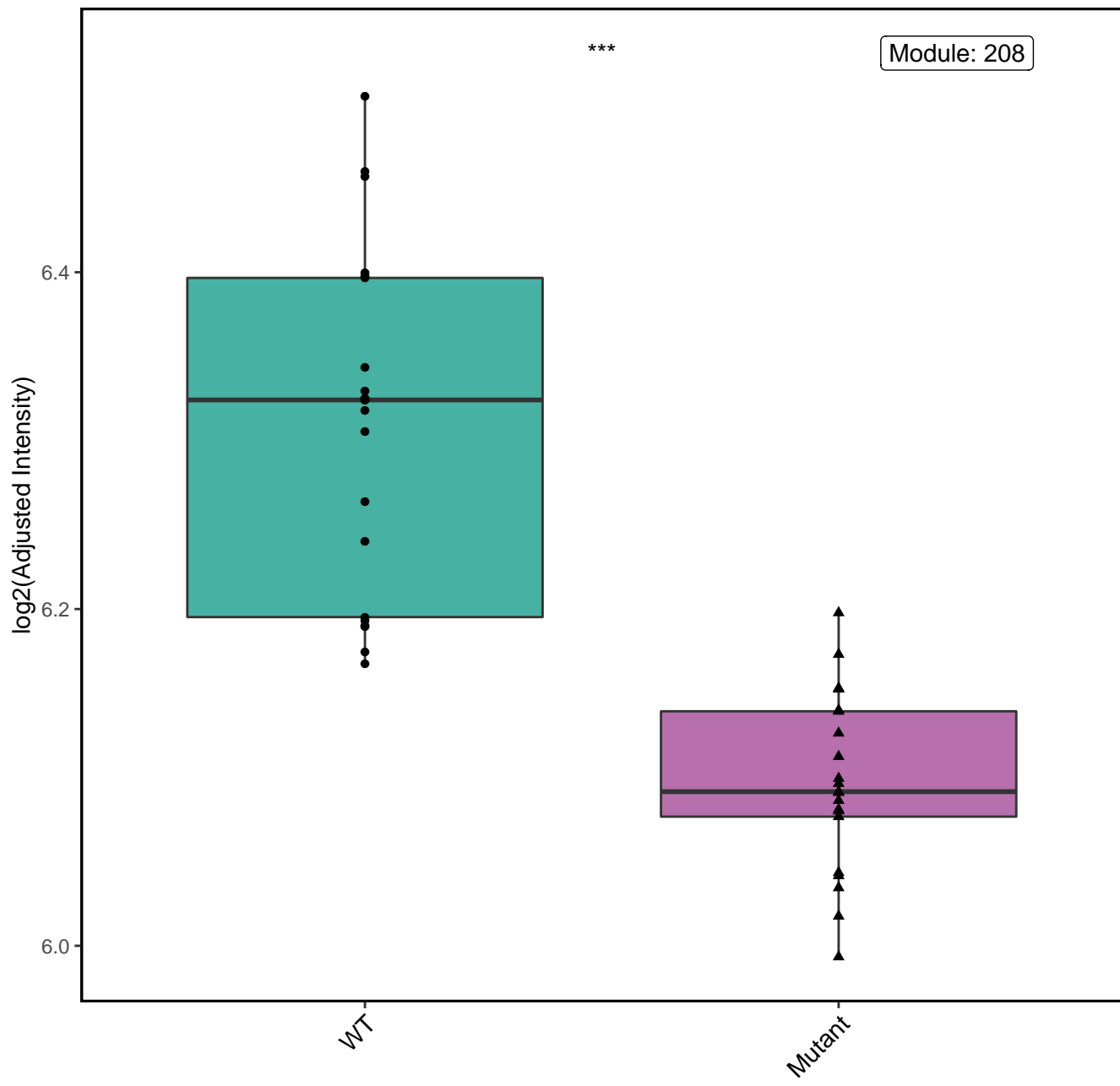


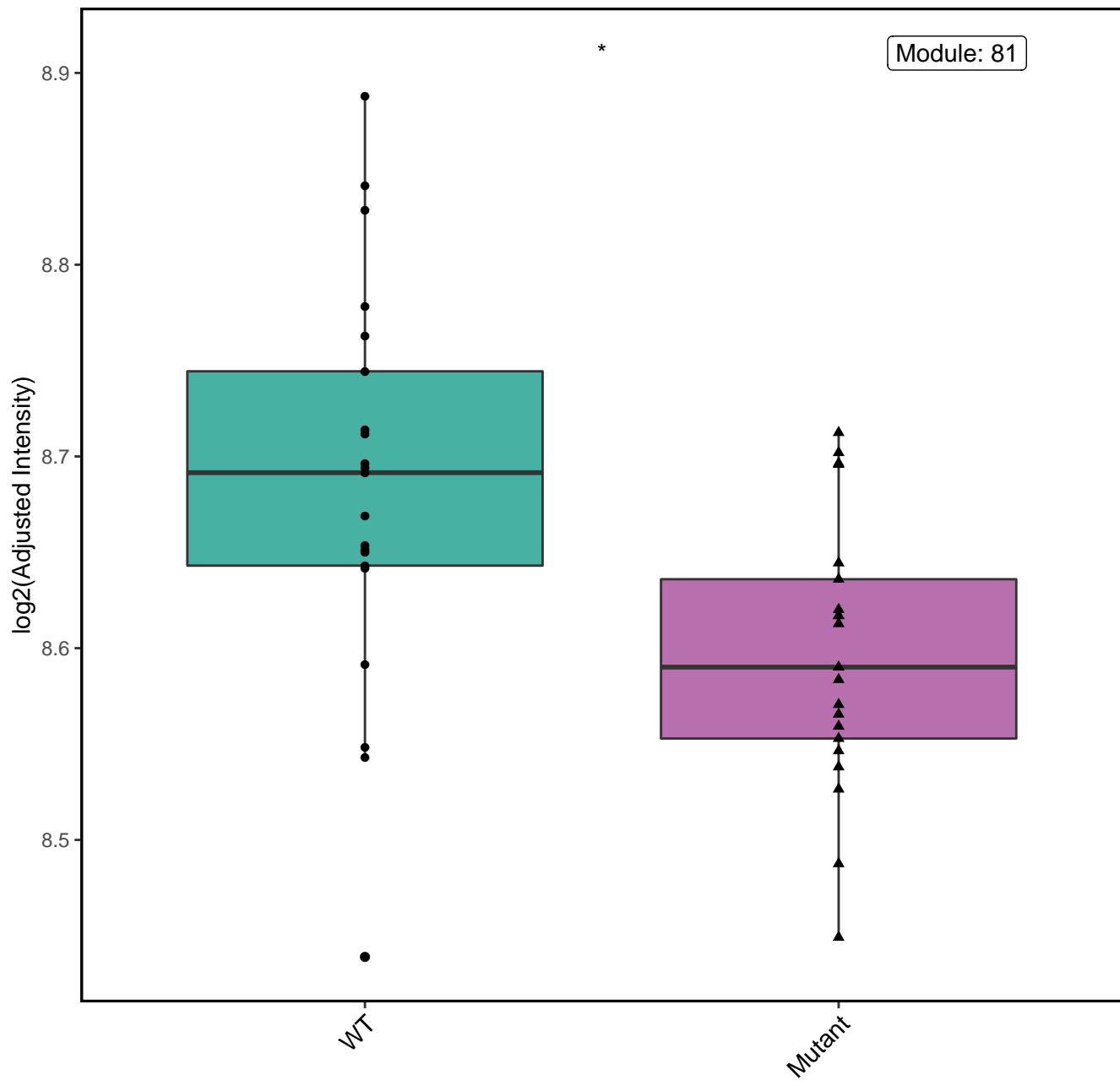












log2(Adjusted Intensity)

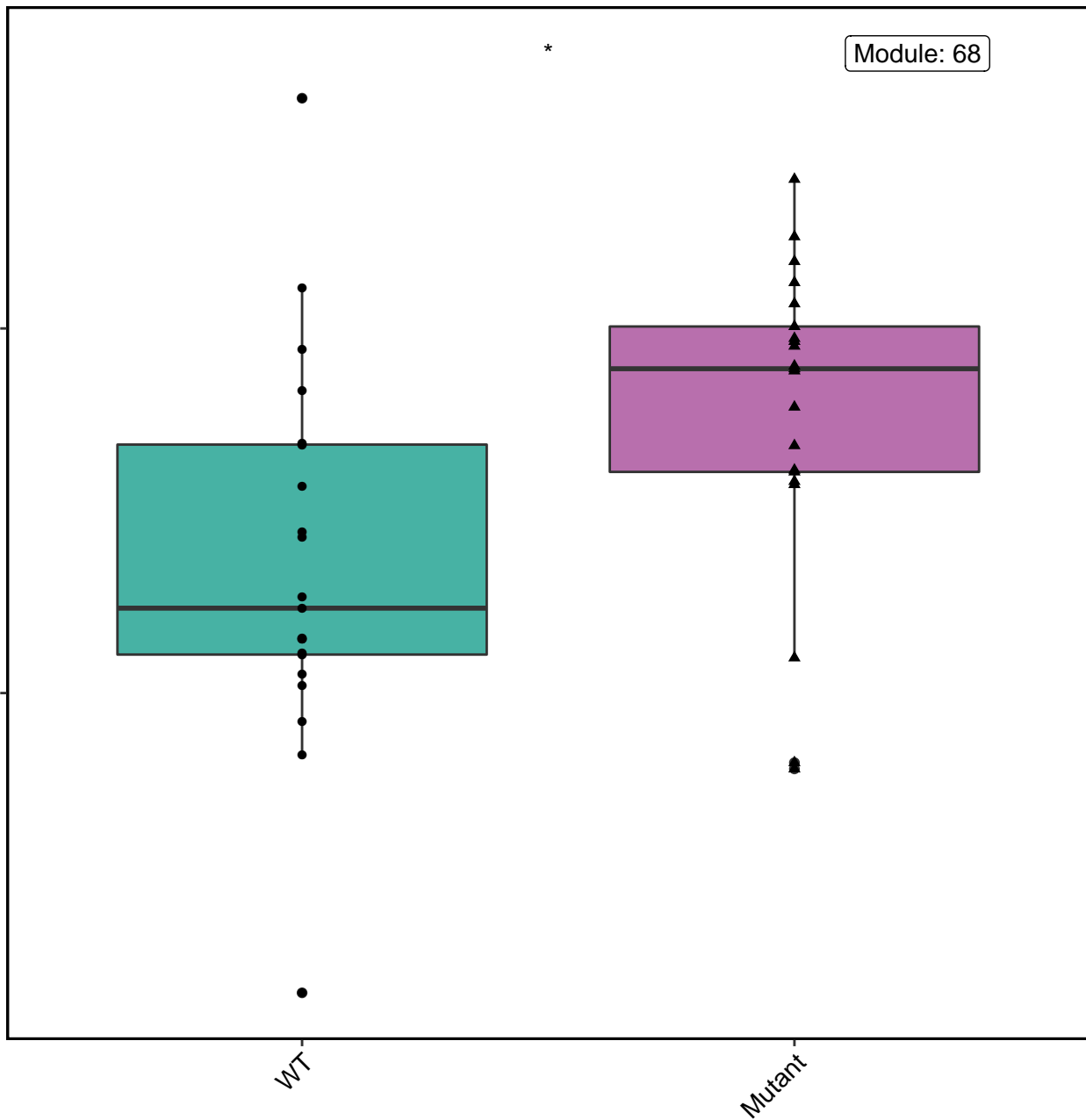
3.5

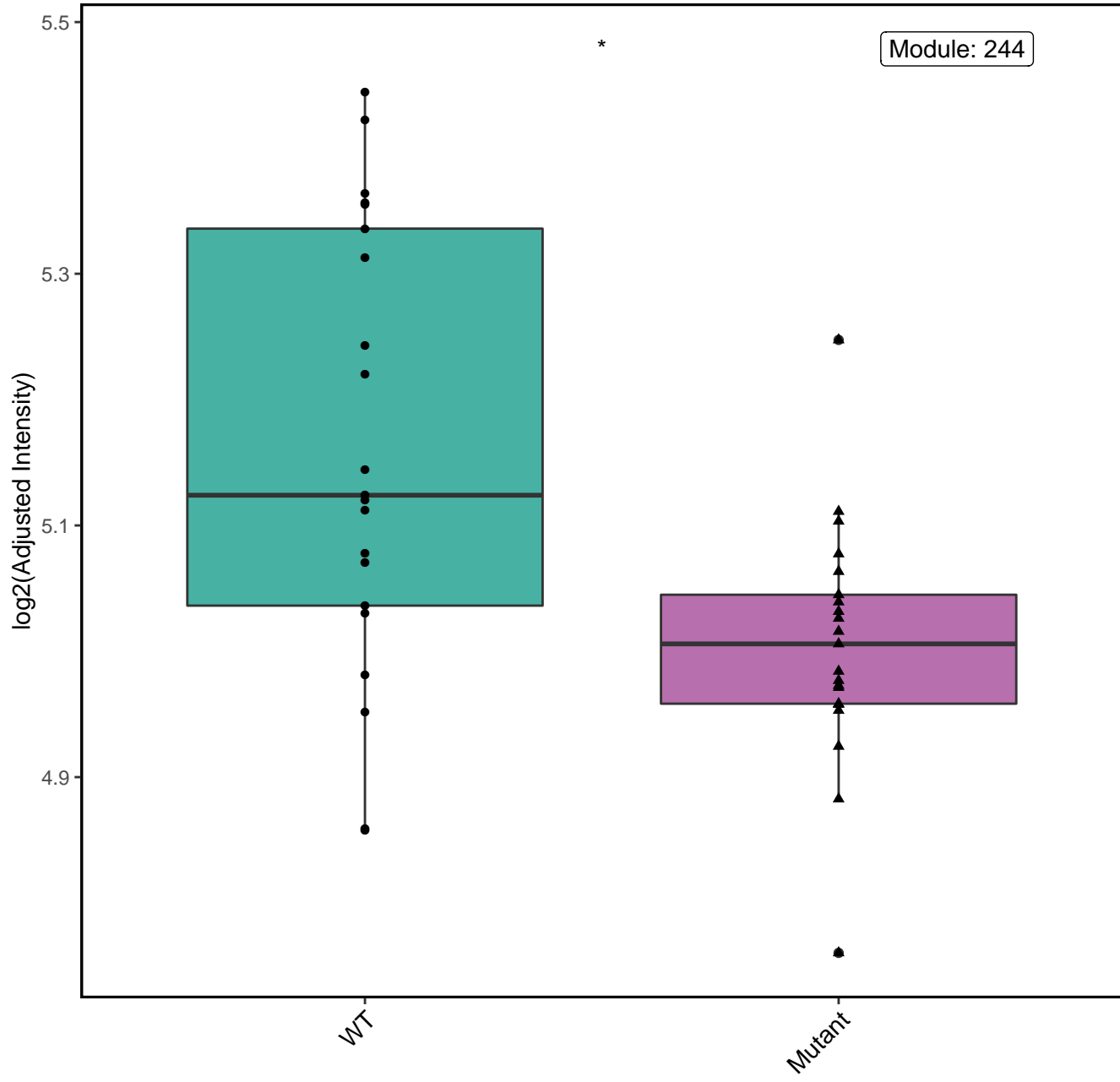
3.0

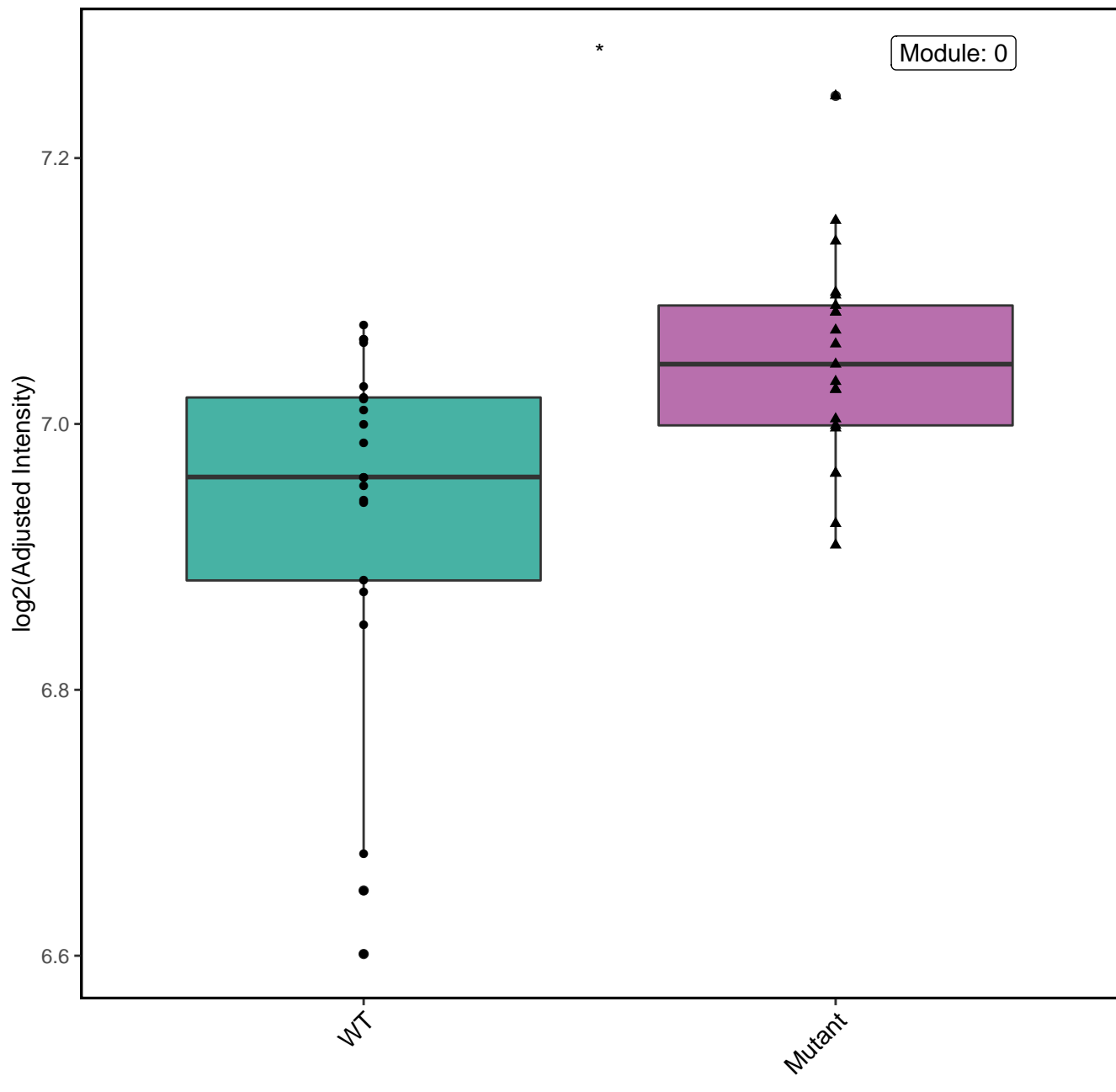
WT

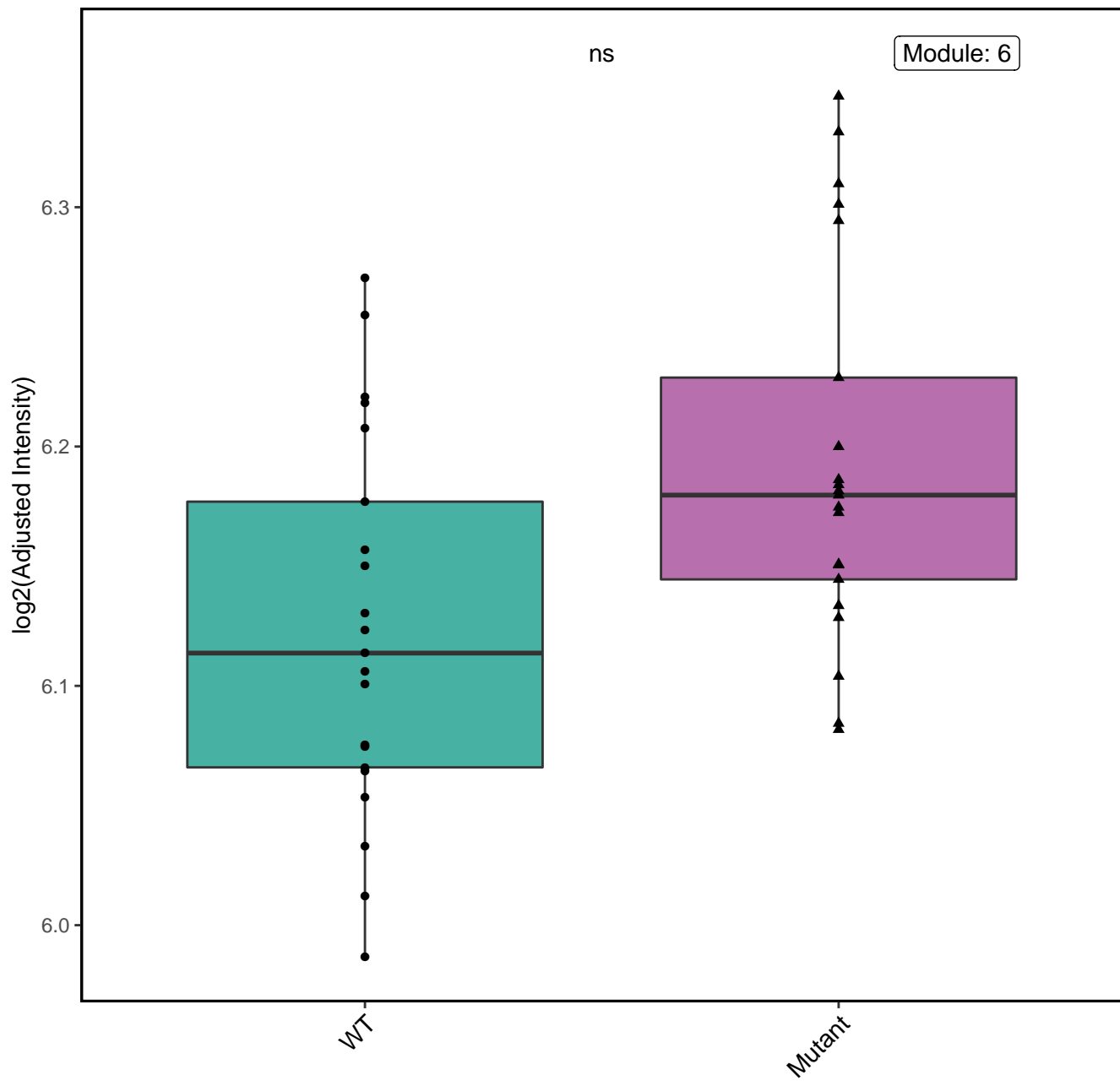
Mutant

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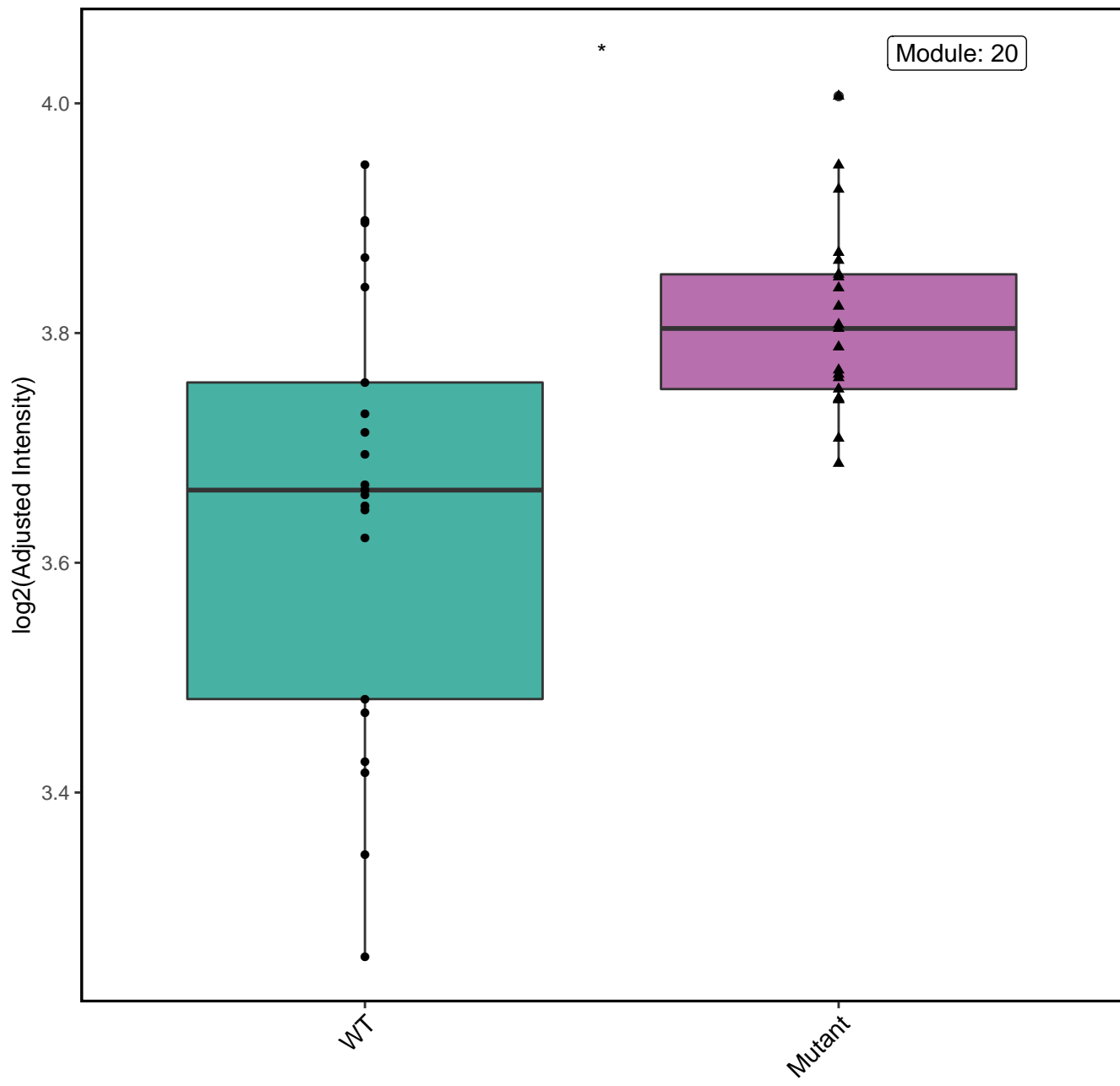


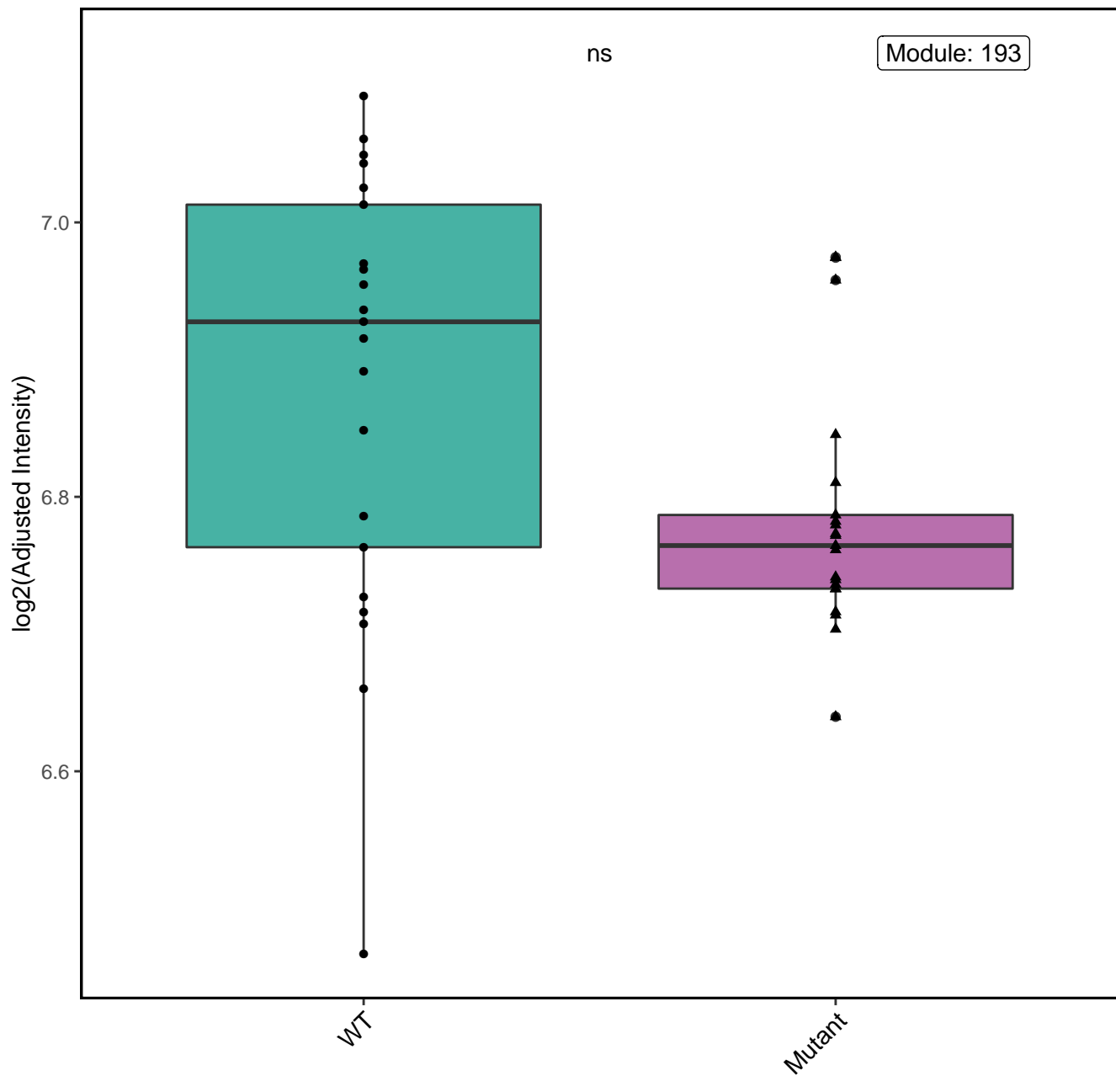


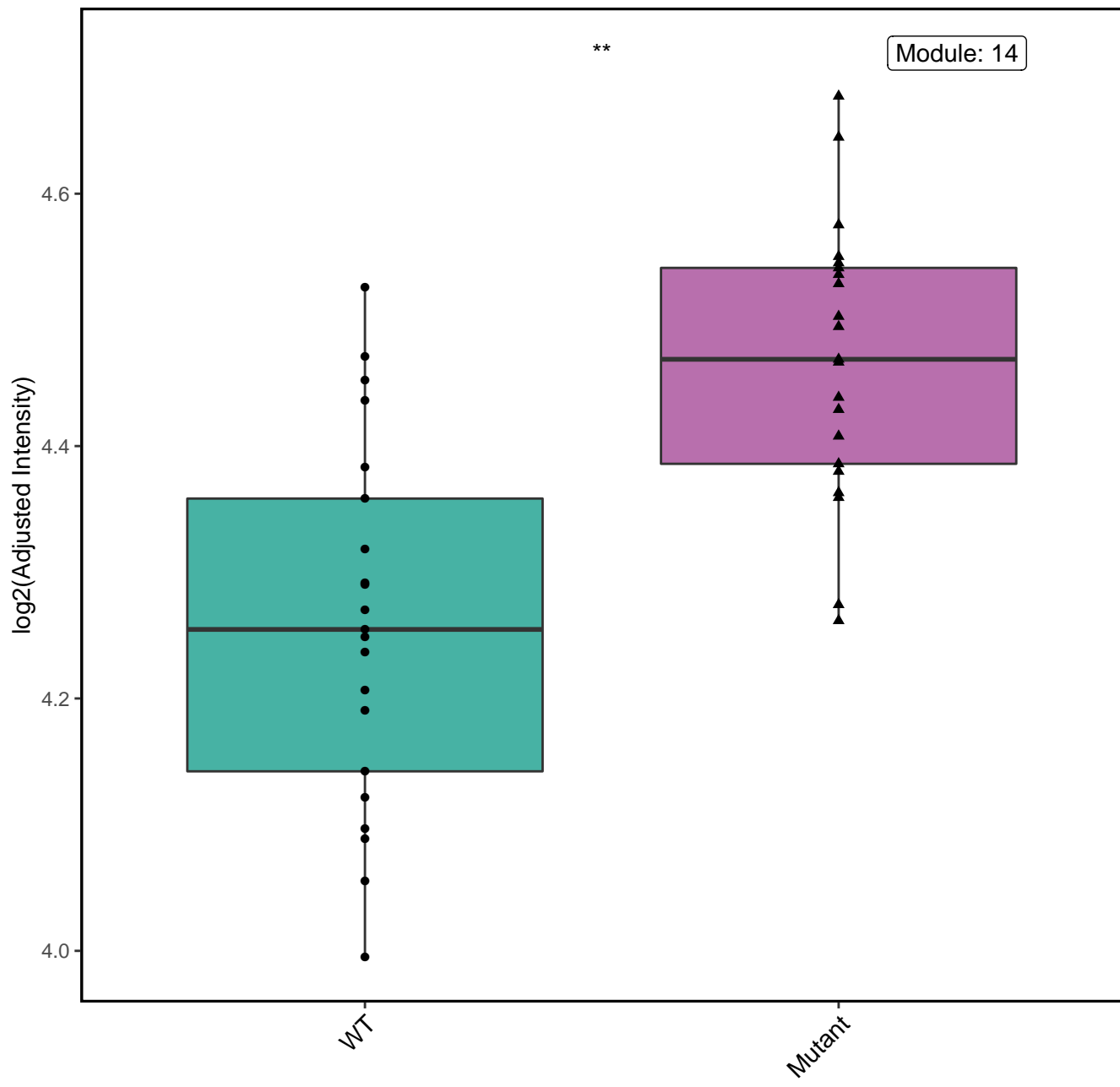


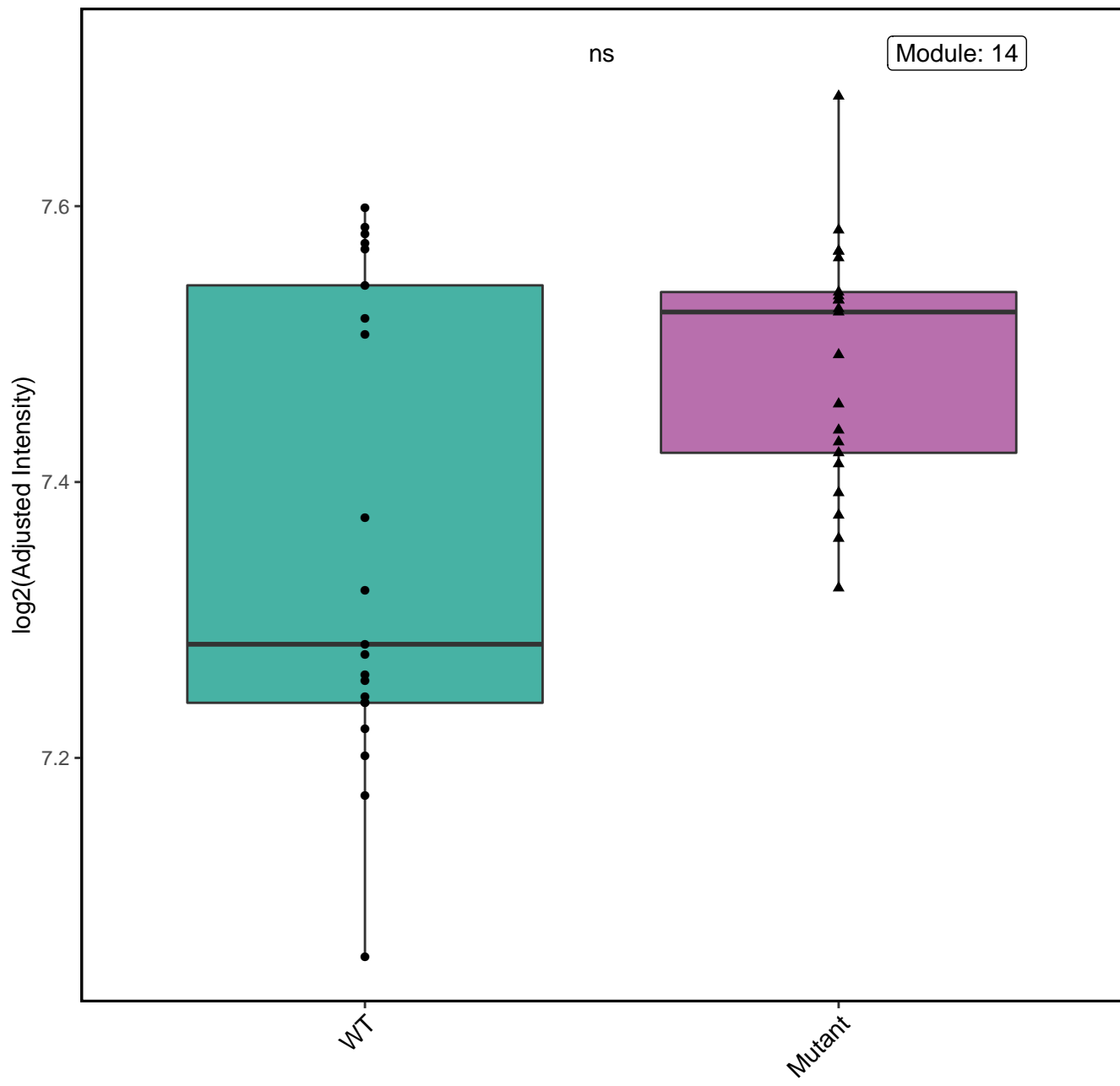


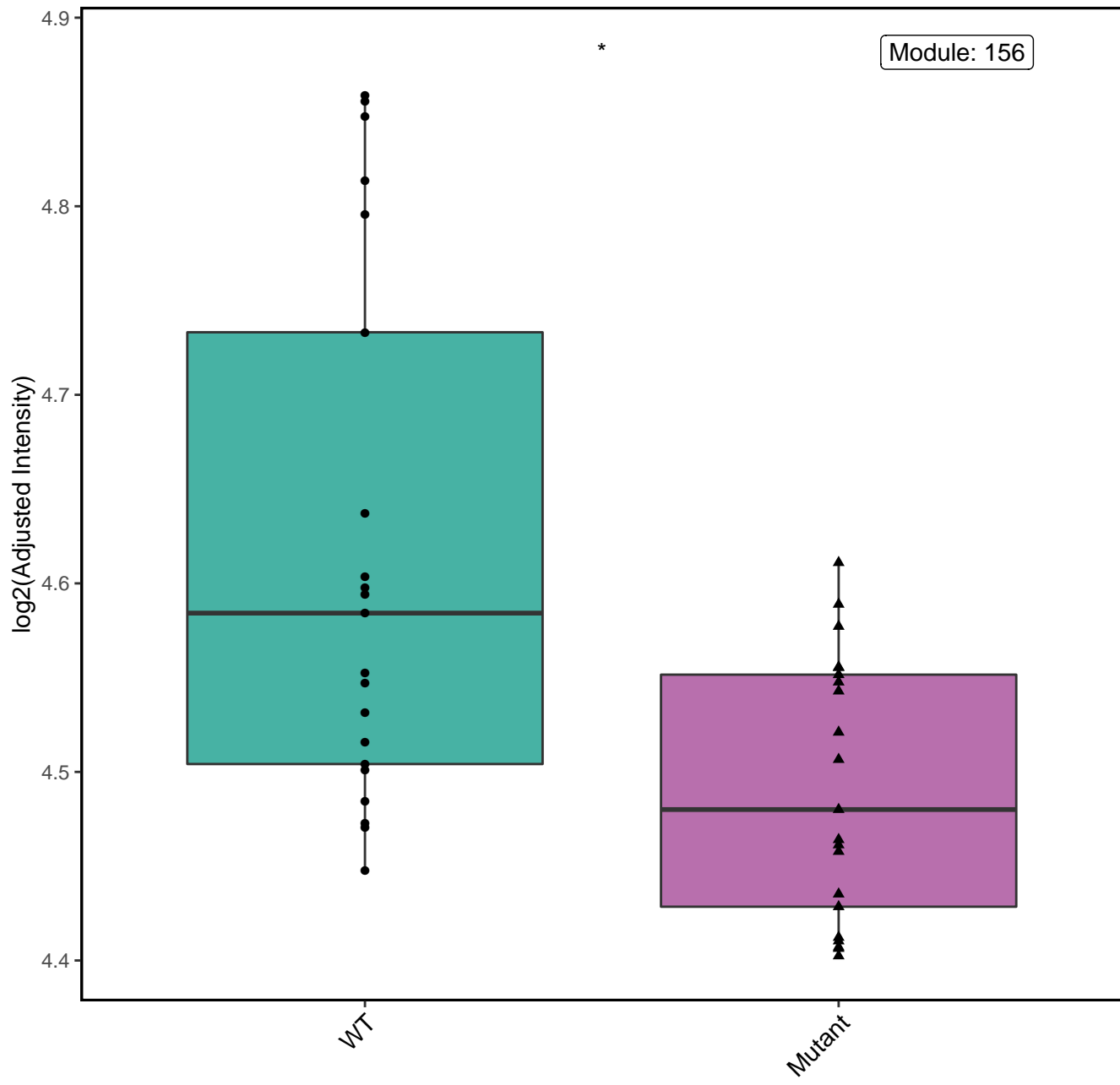


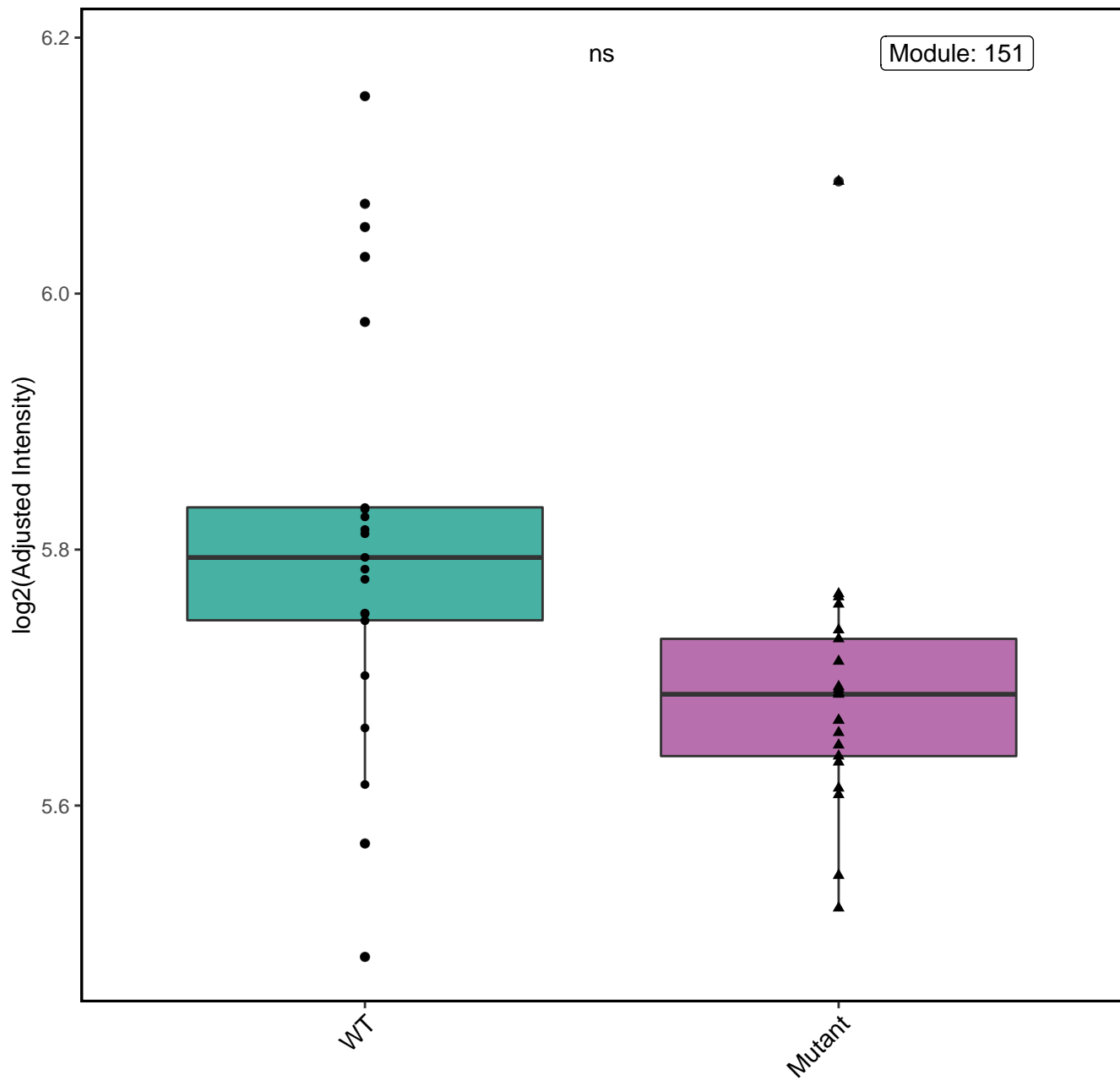


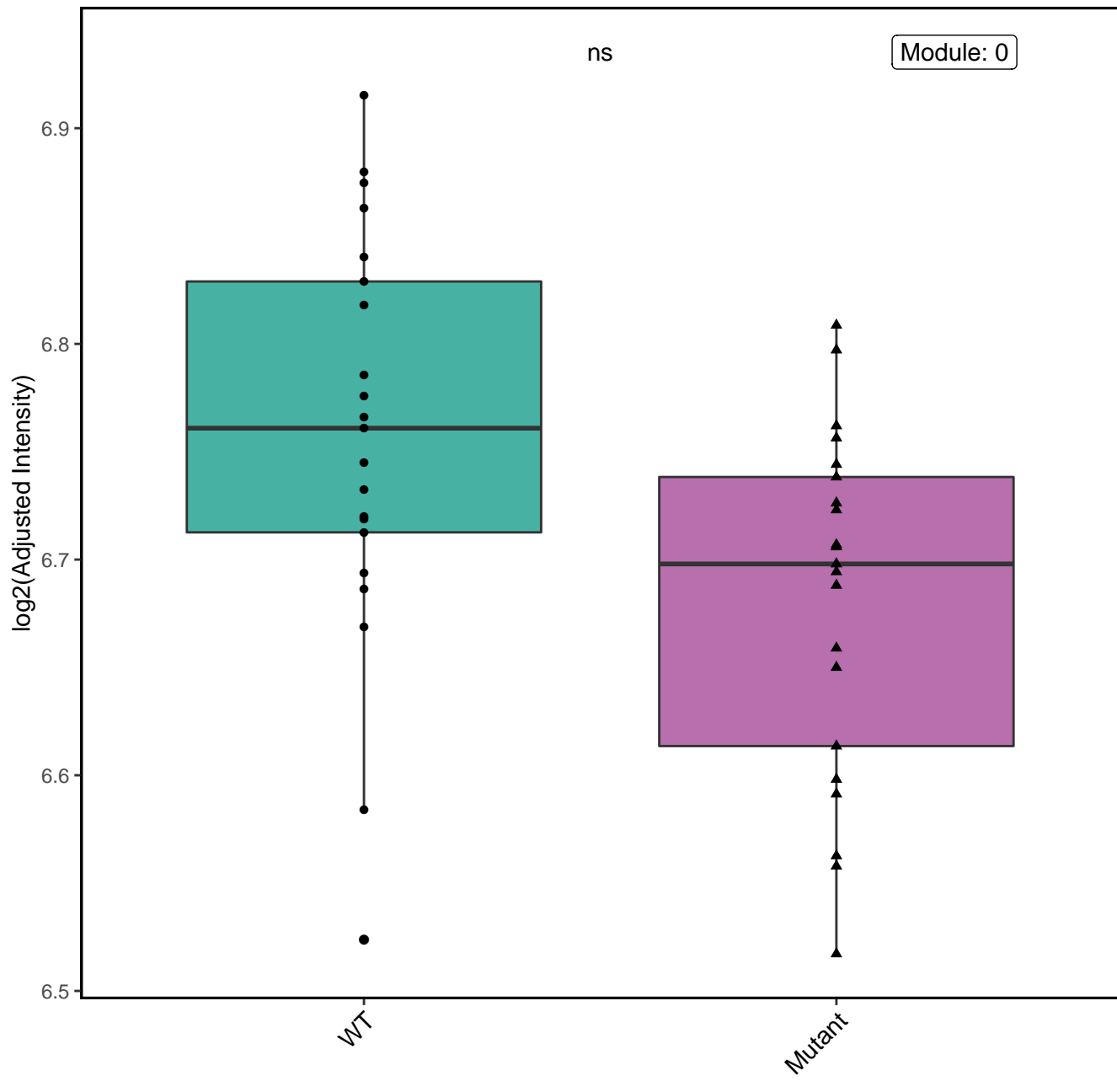


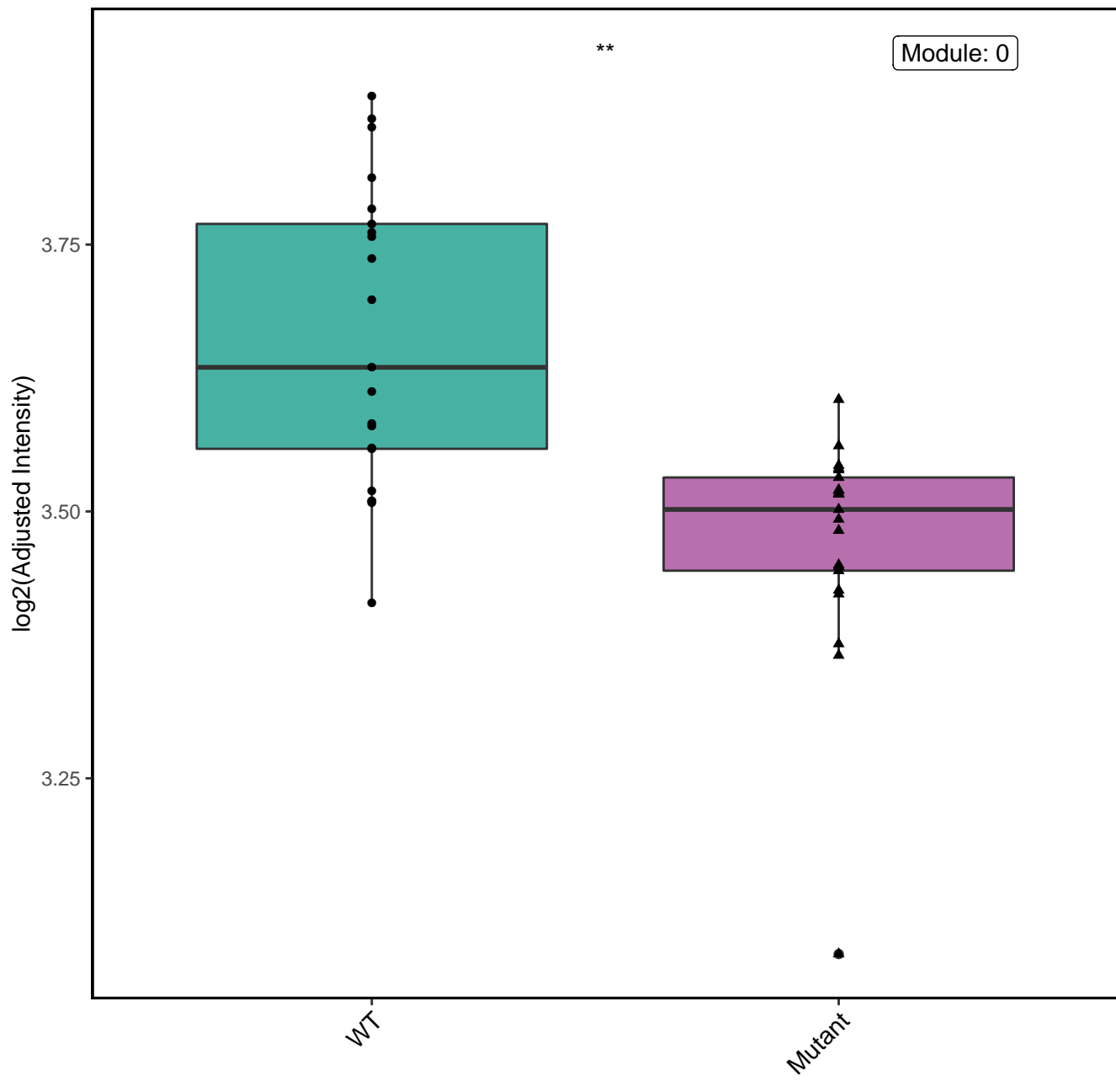




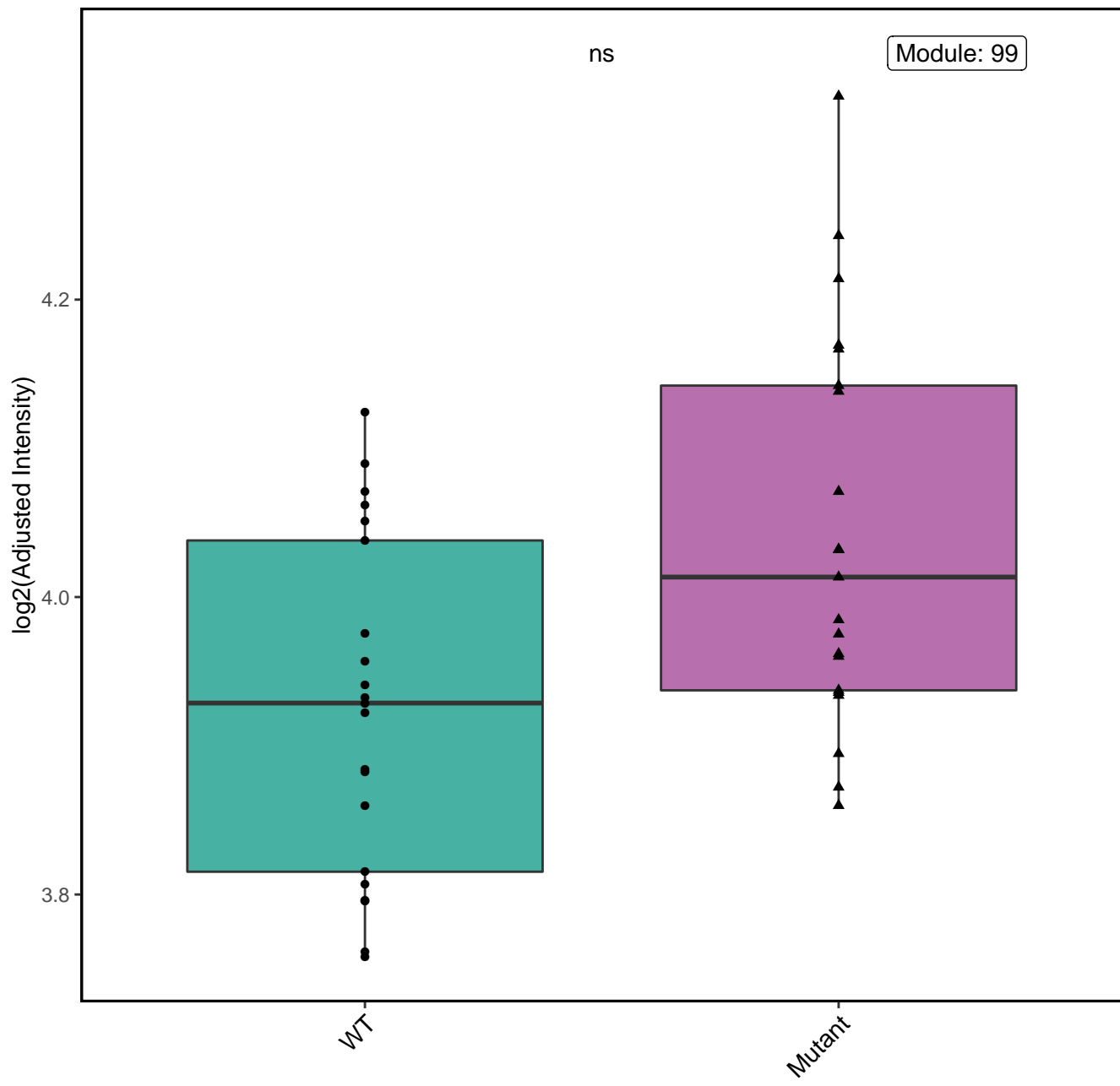












log2(Adjusted Intensity)

WT

Mutant

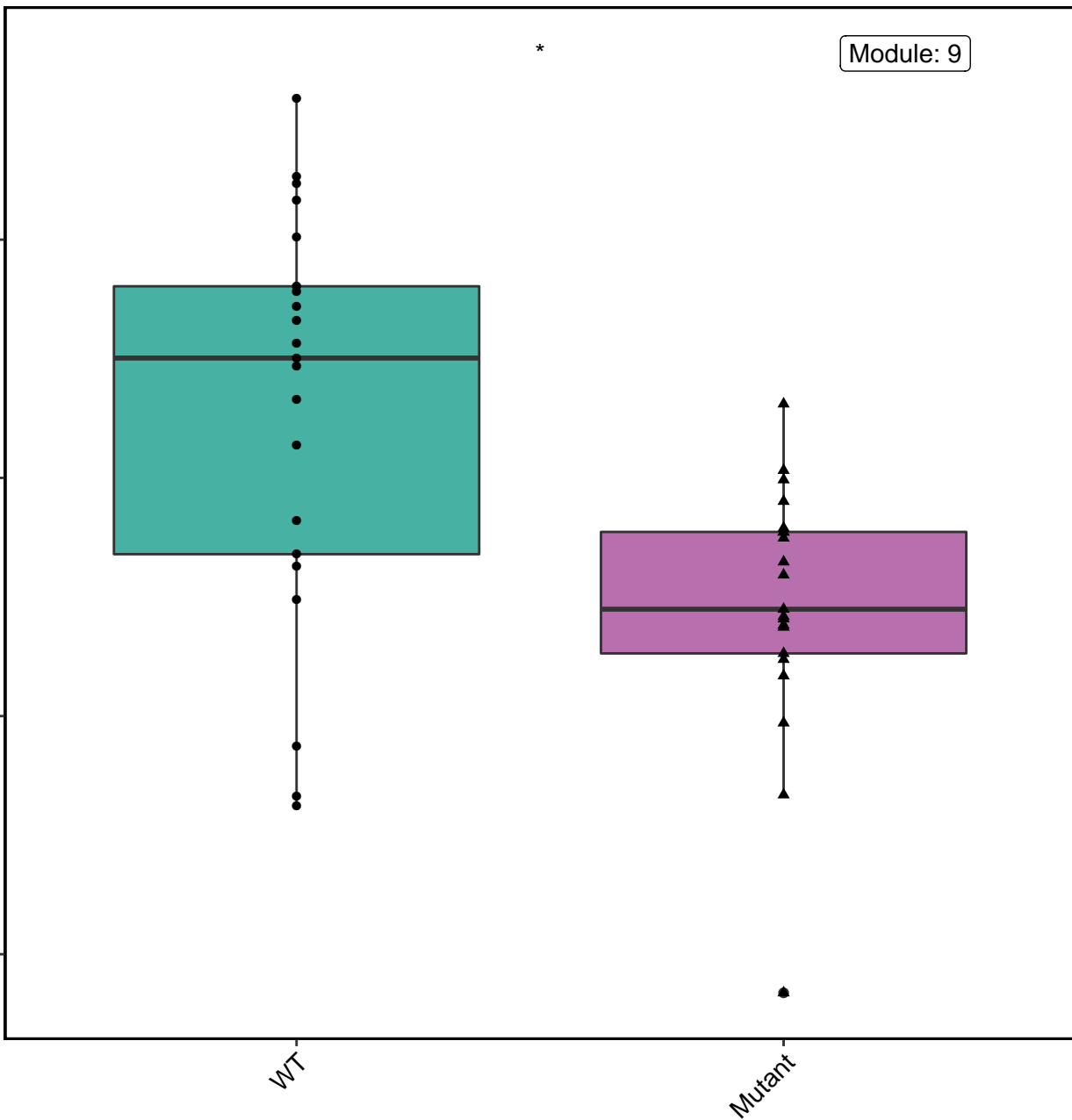
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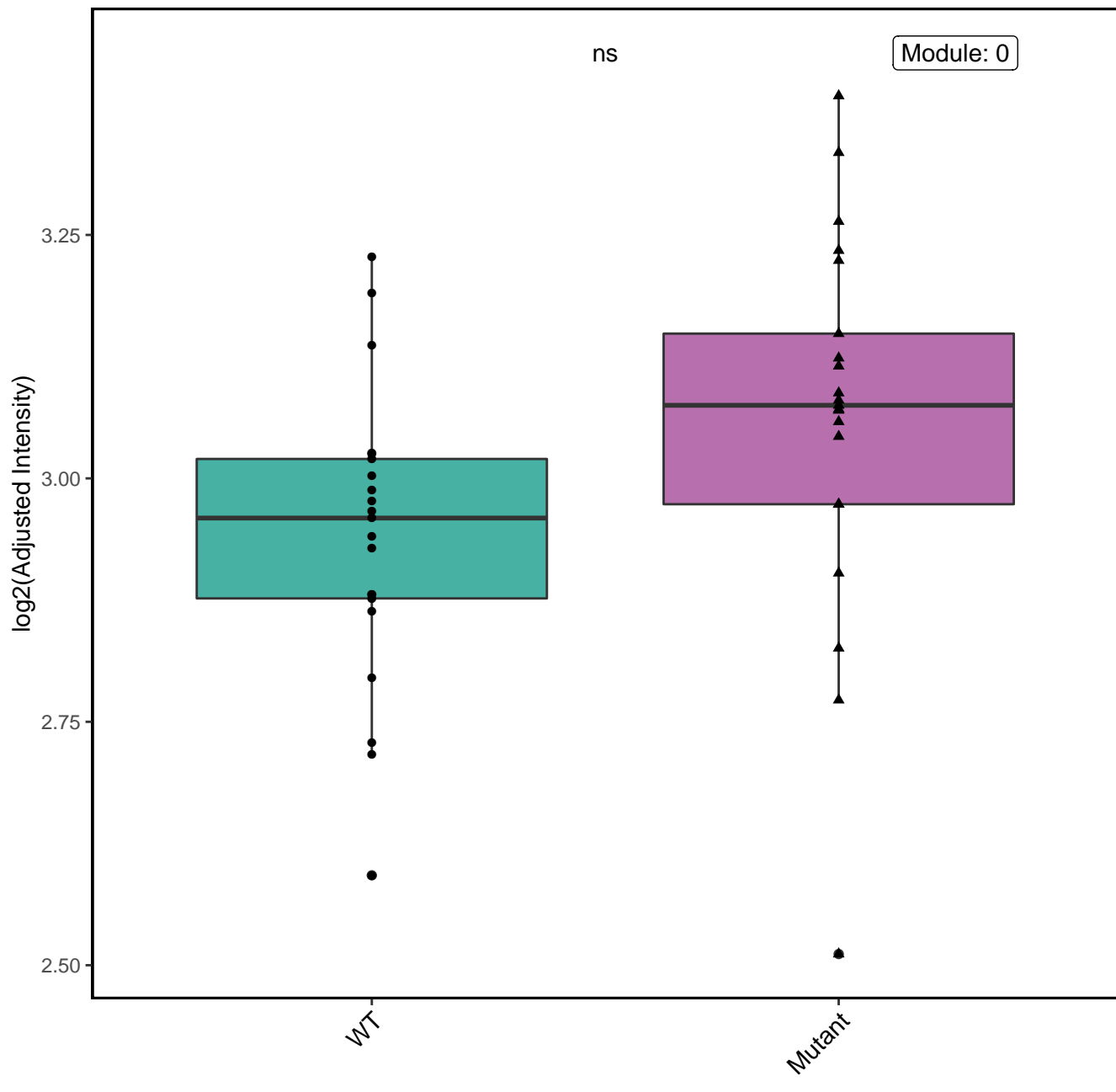
4.50

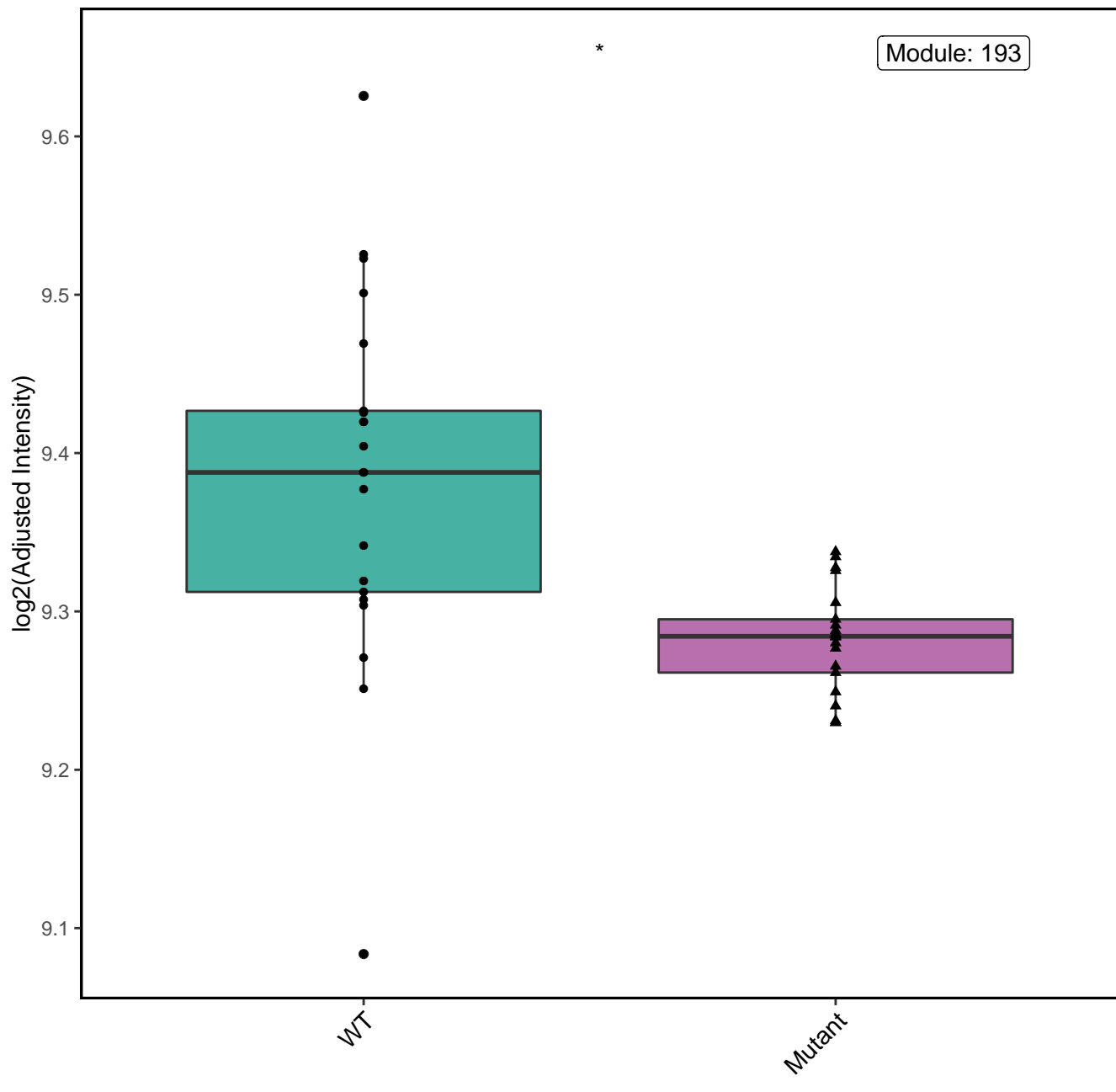
4.25

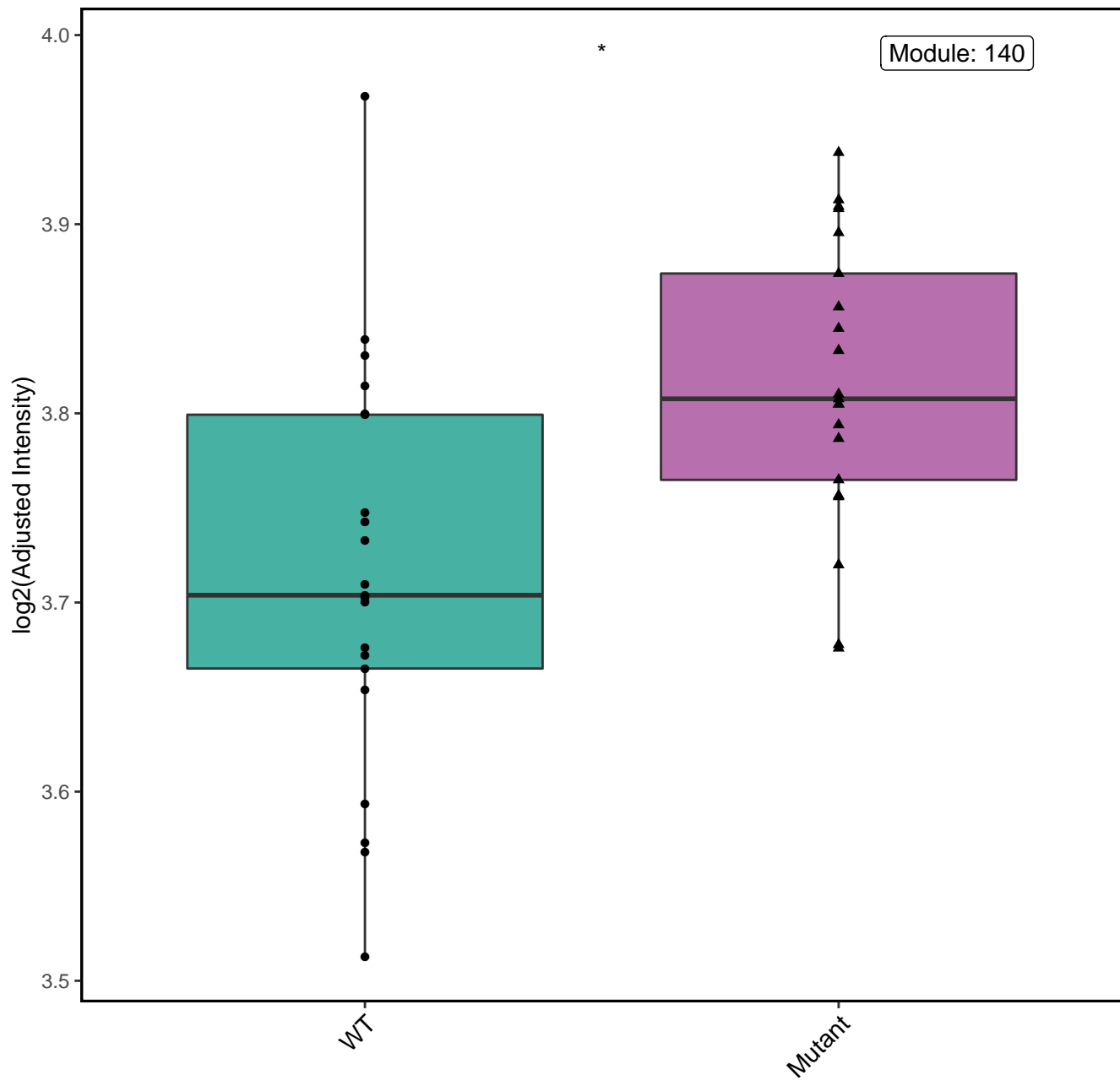
4.00

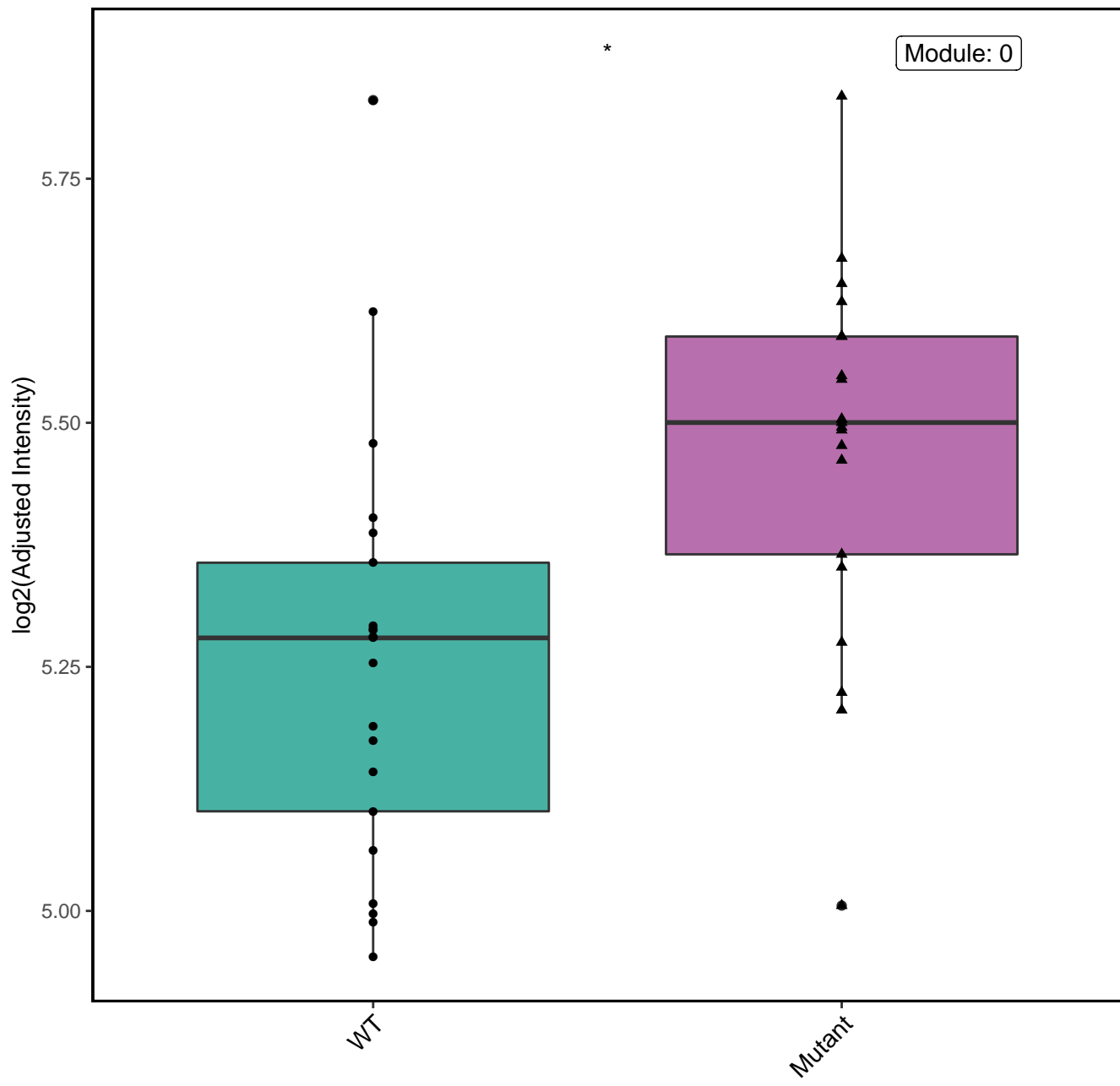
3.75

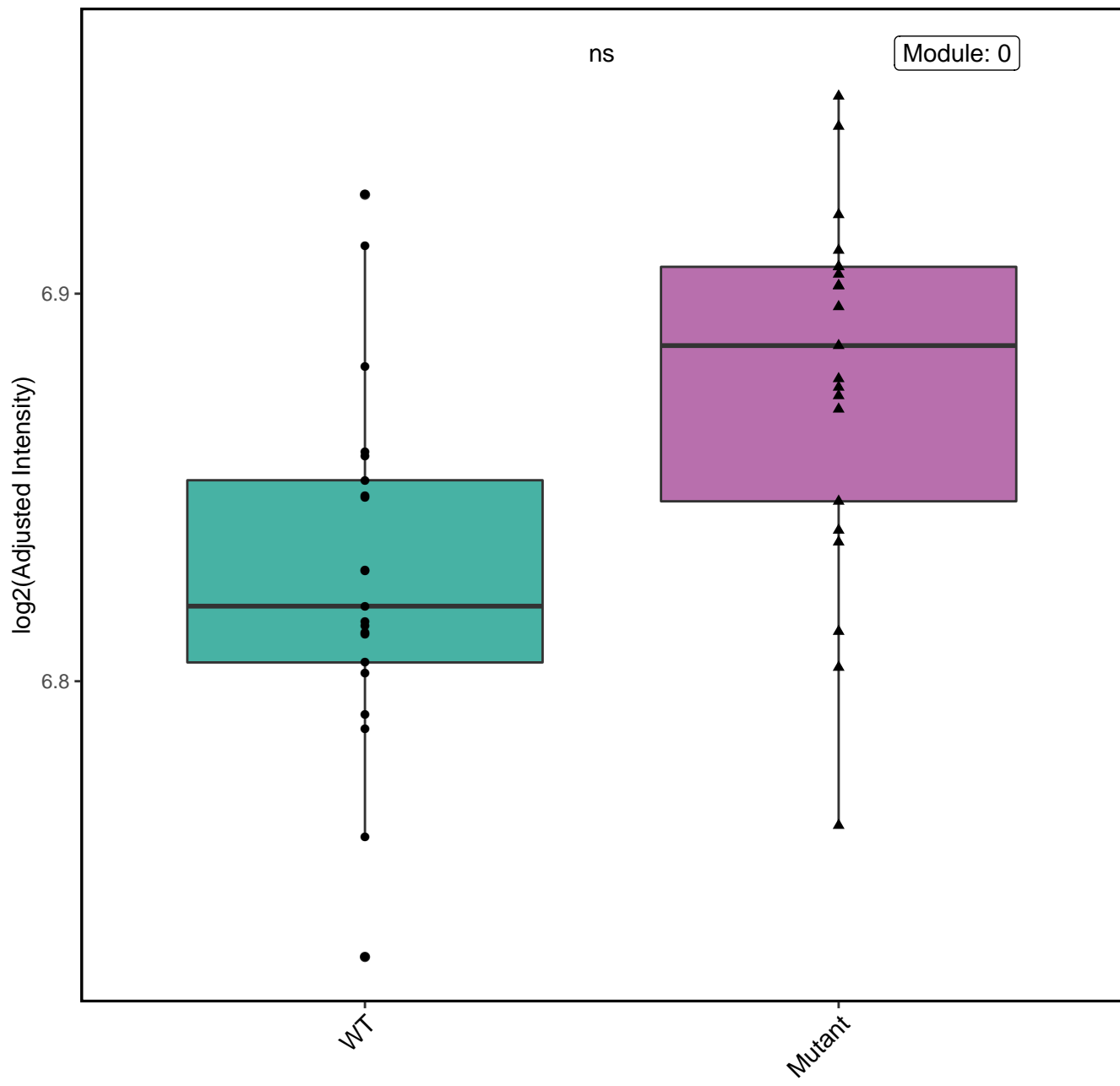


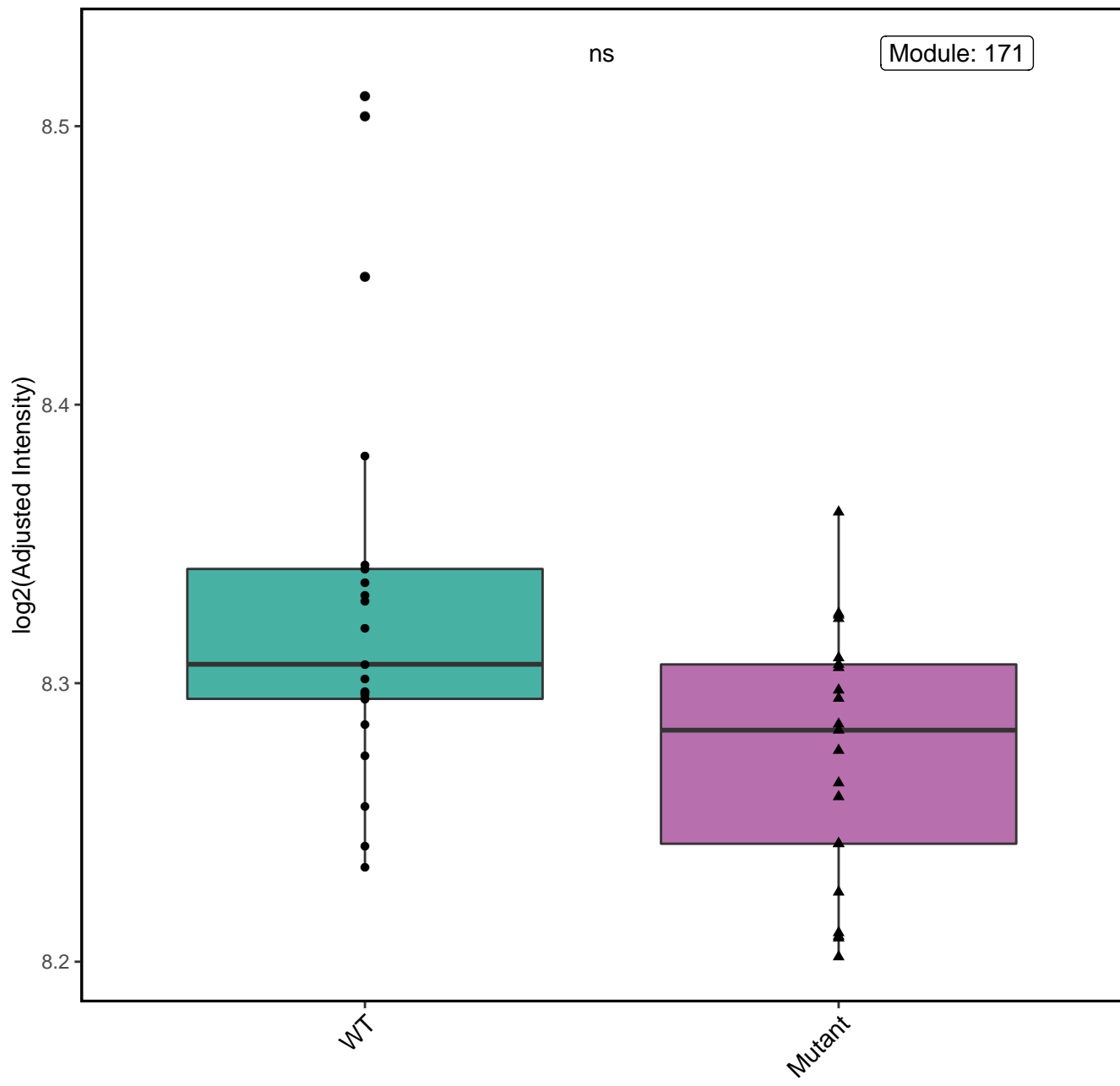




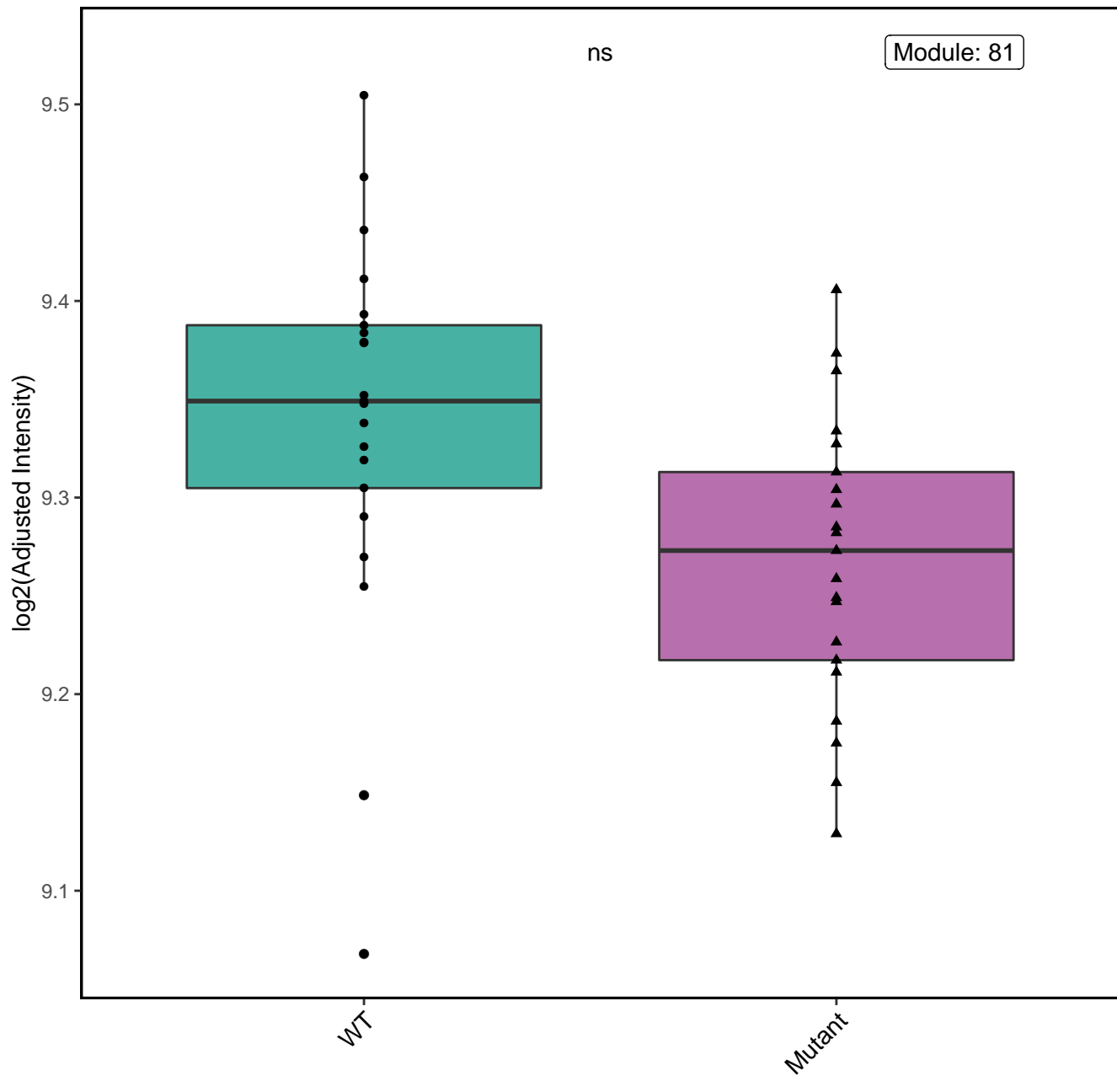


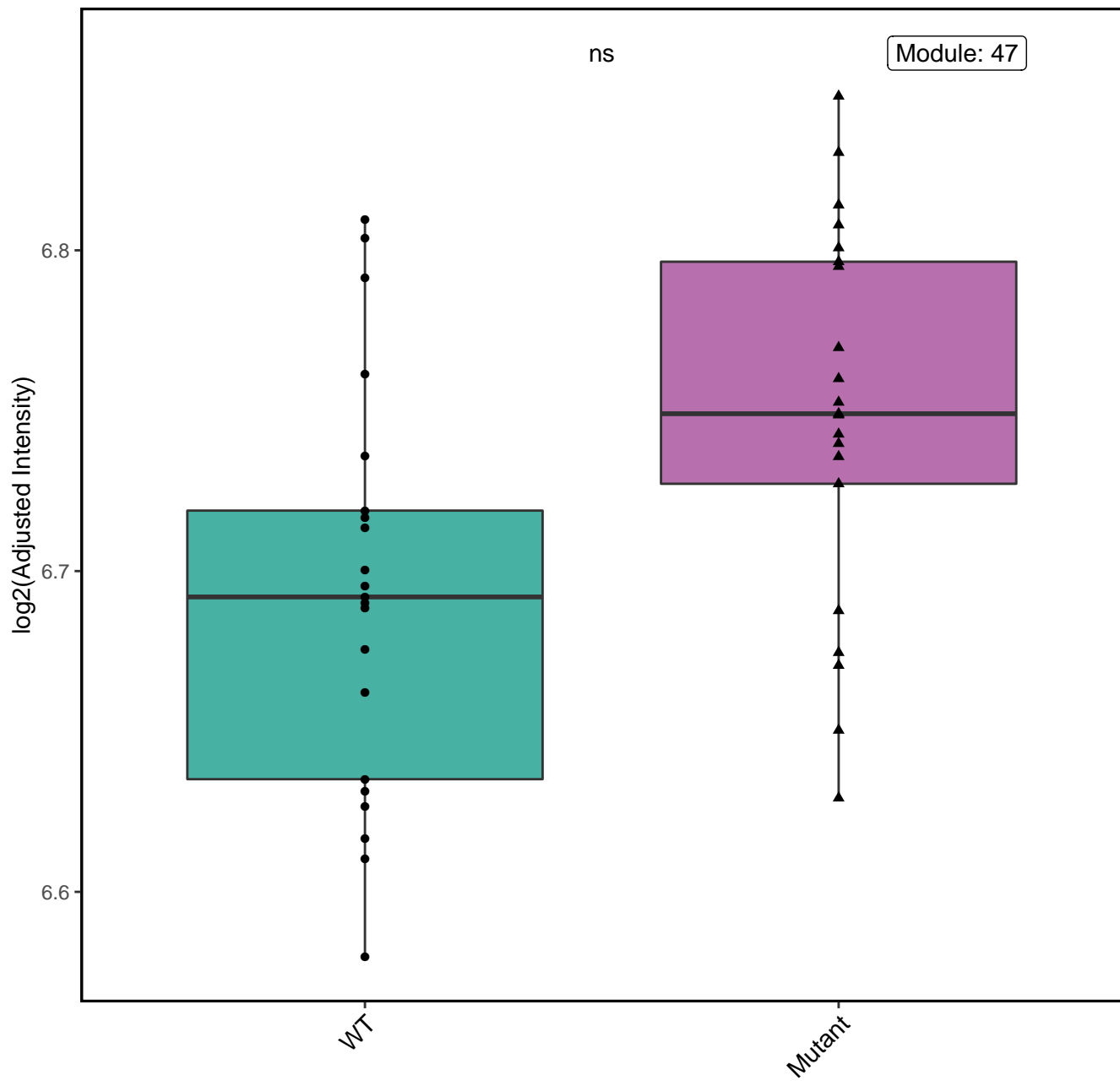


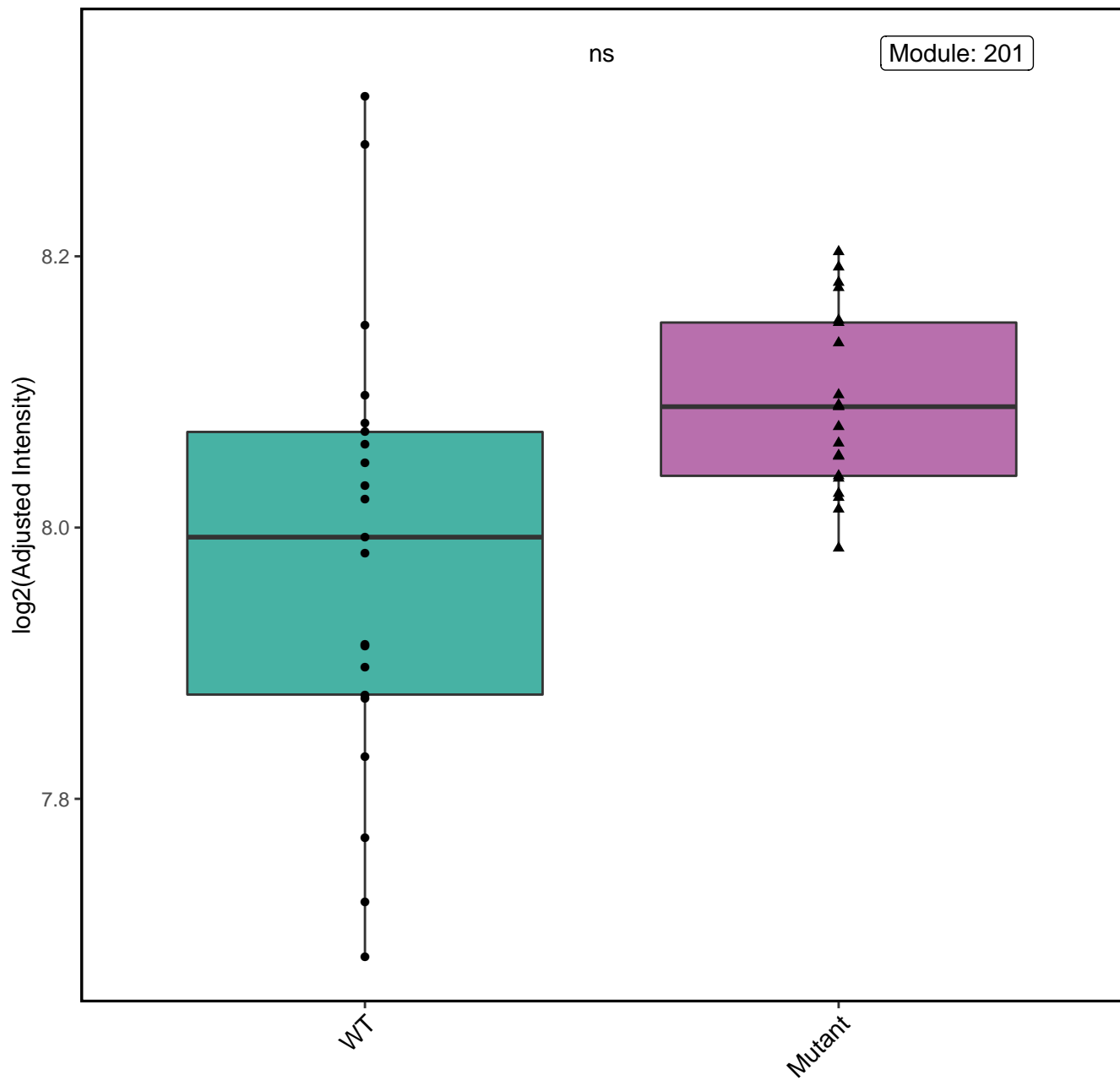


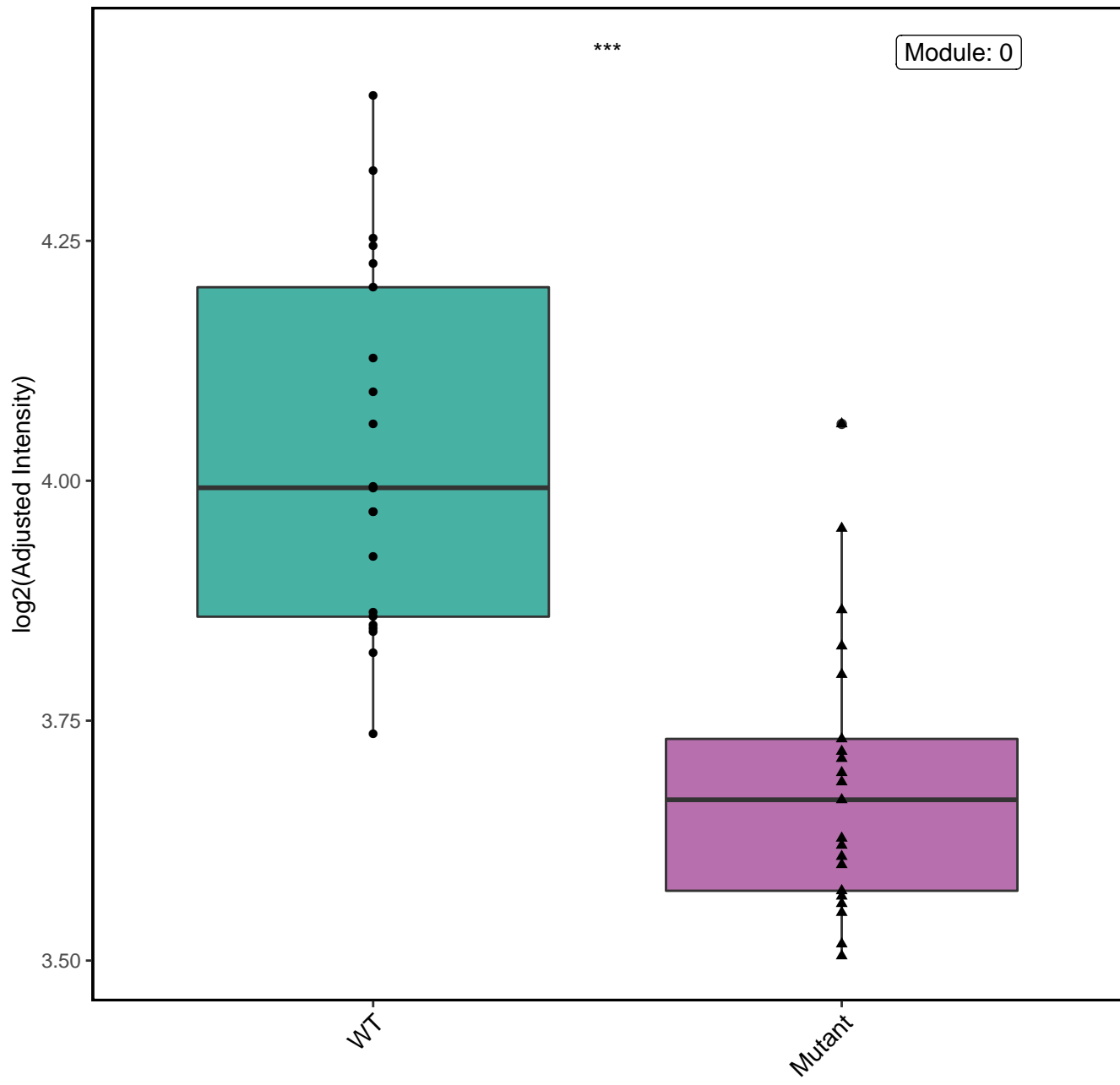


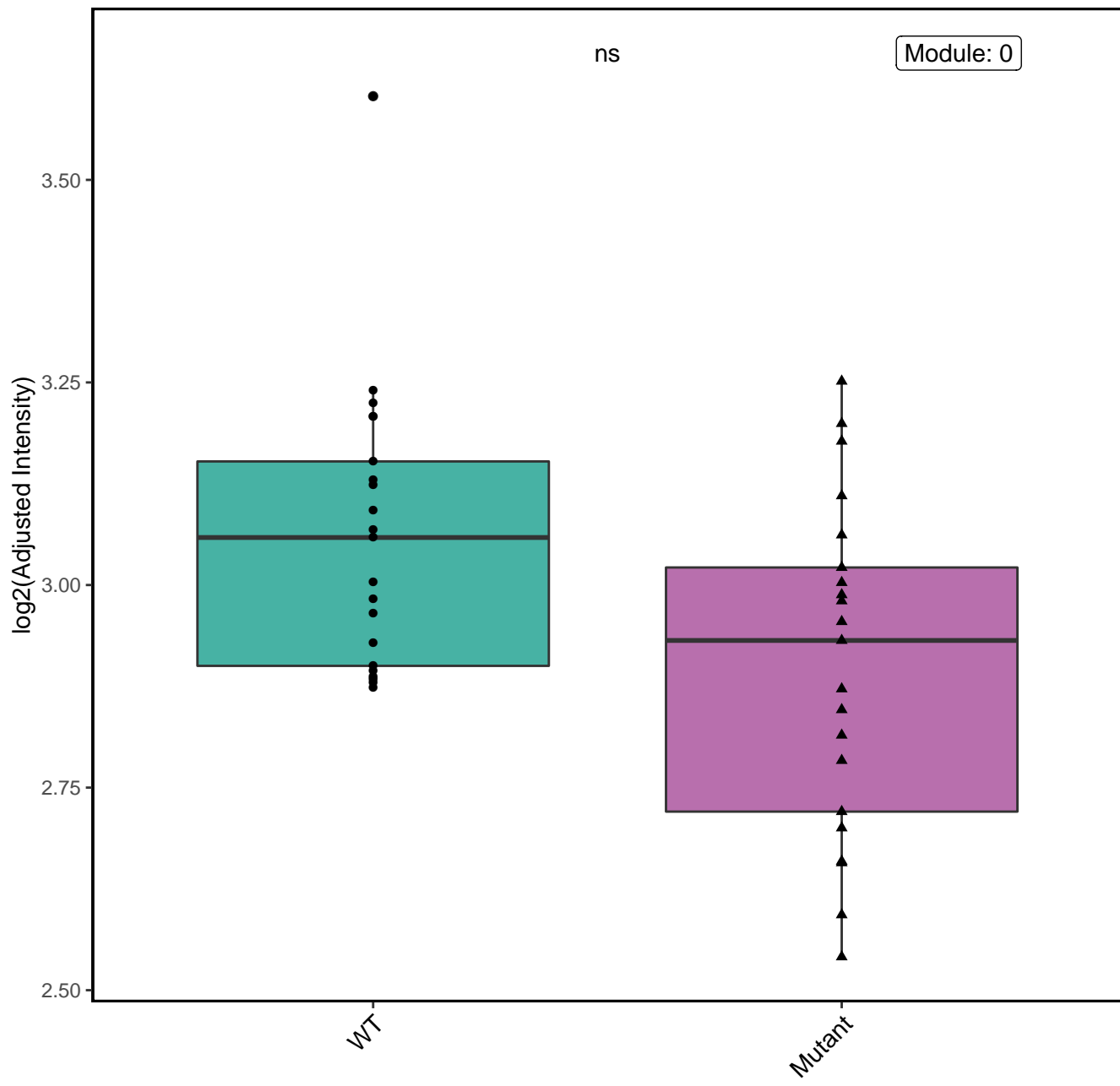


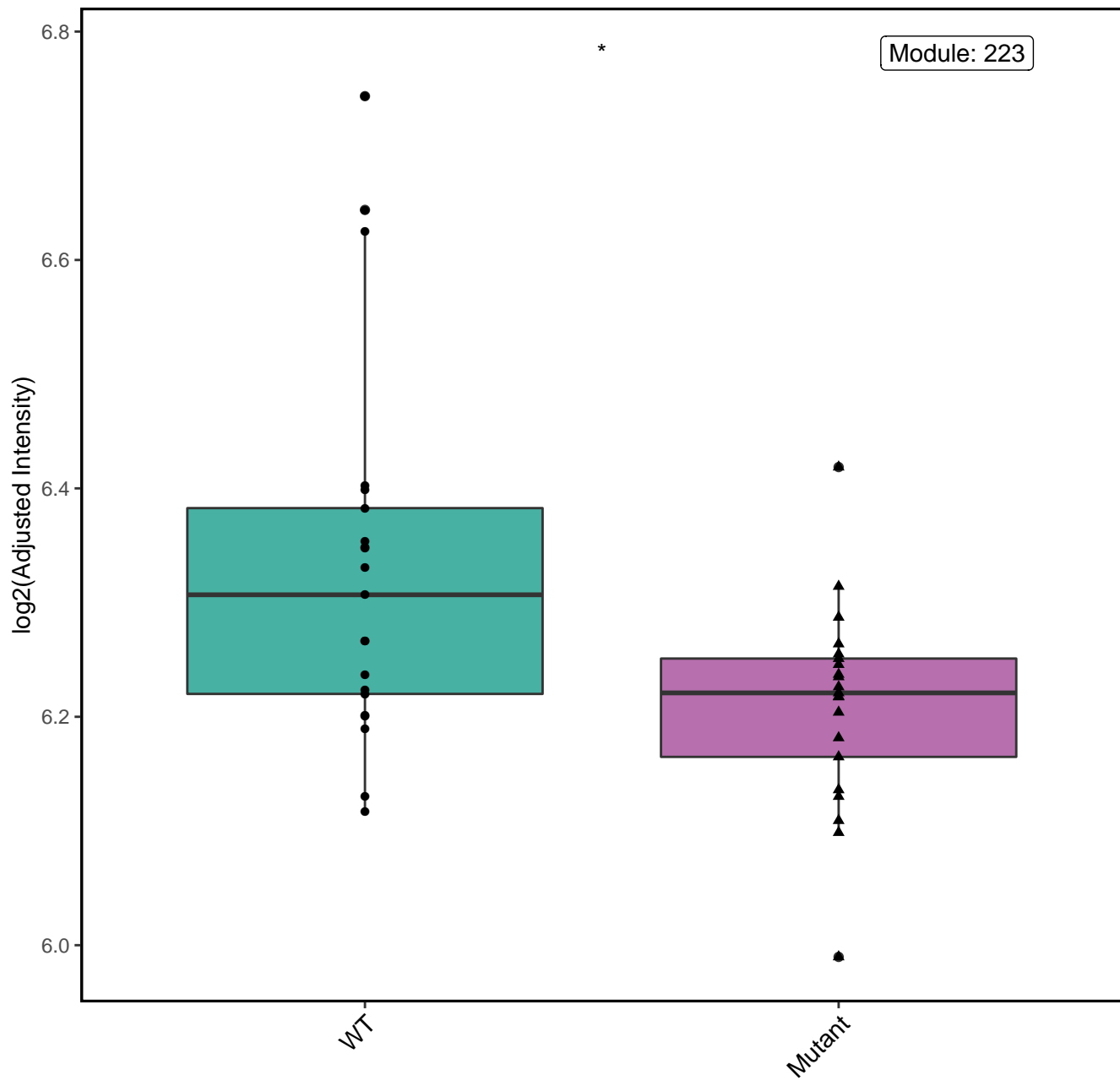


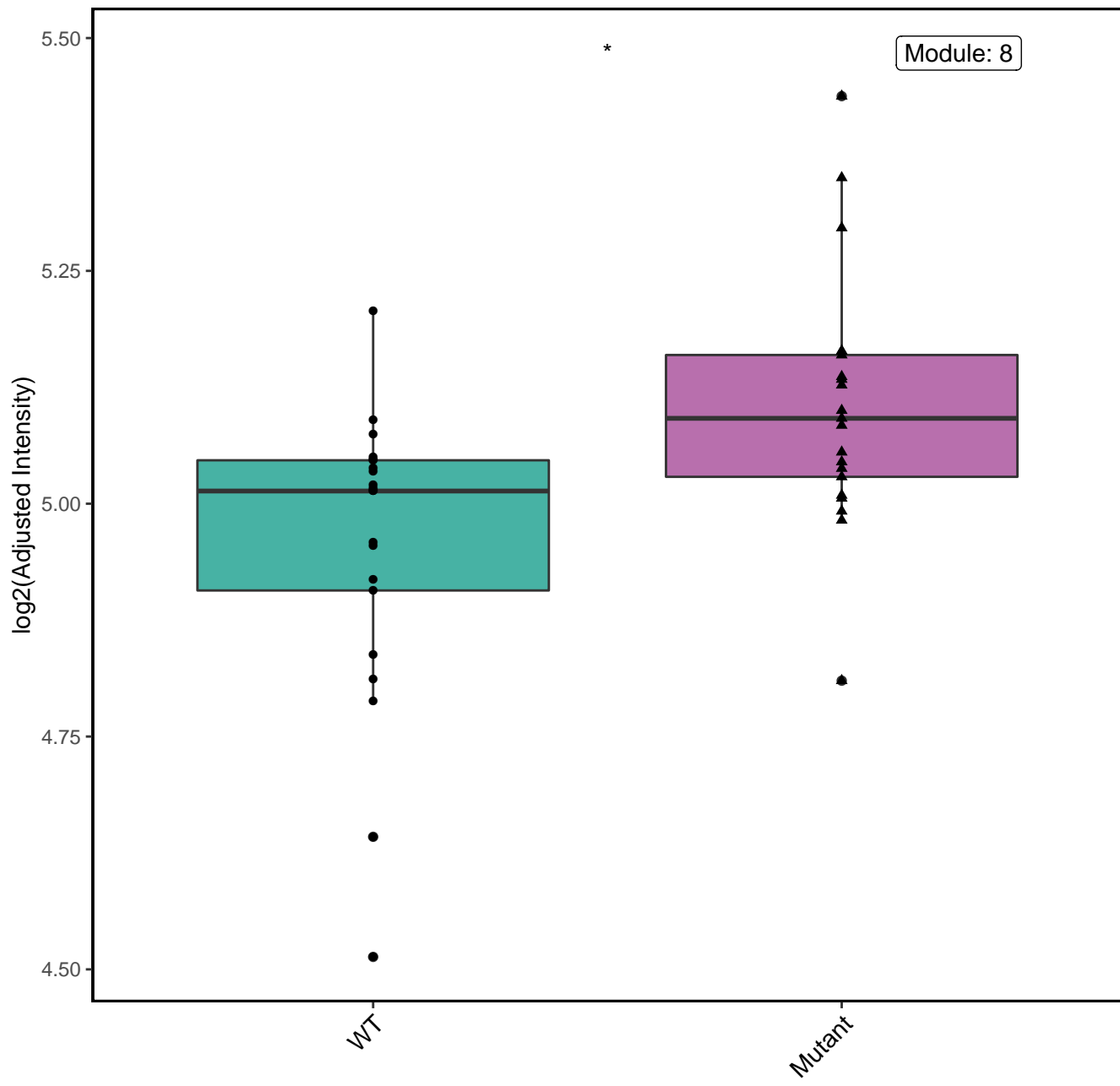






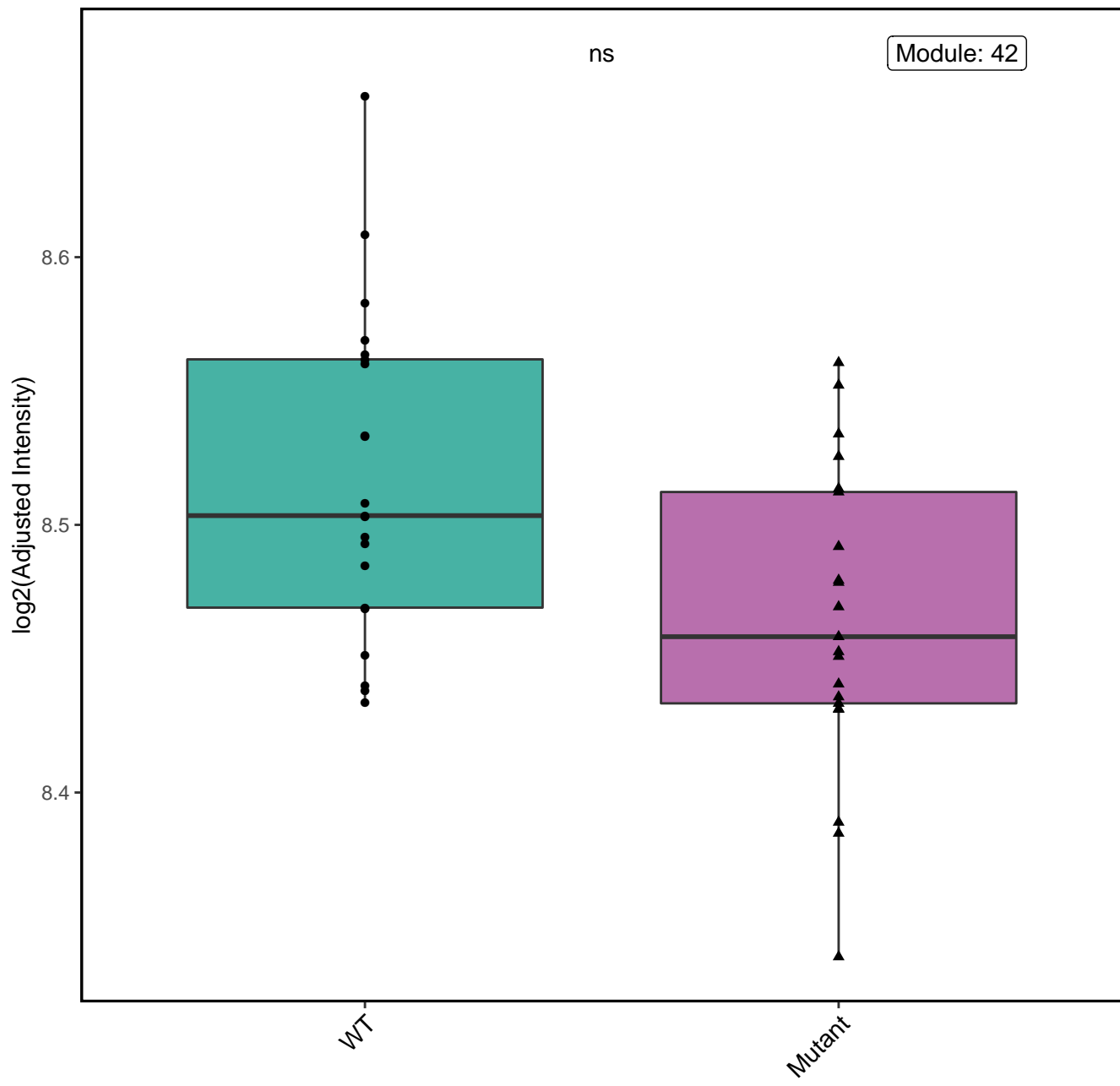


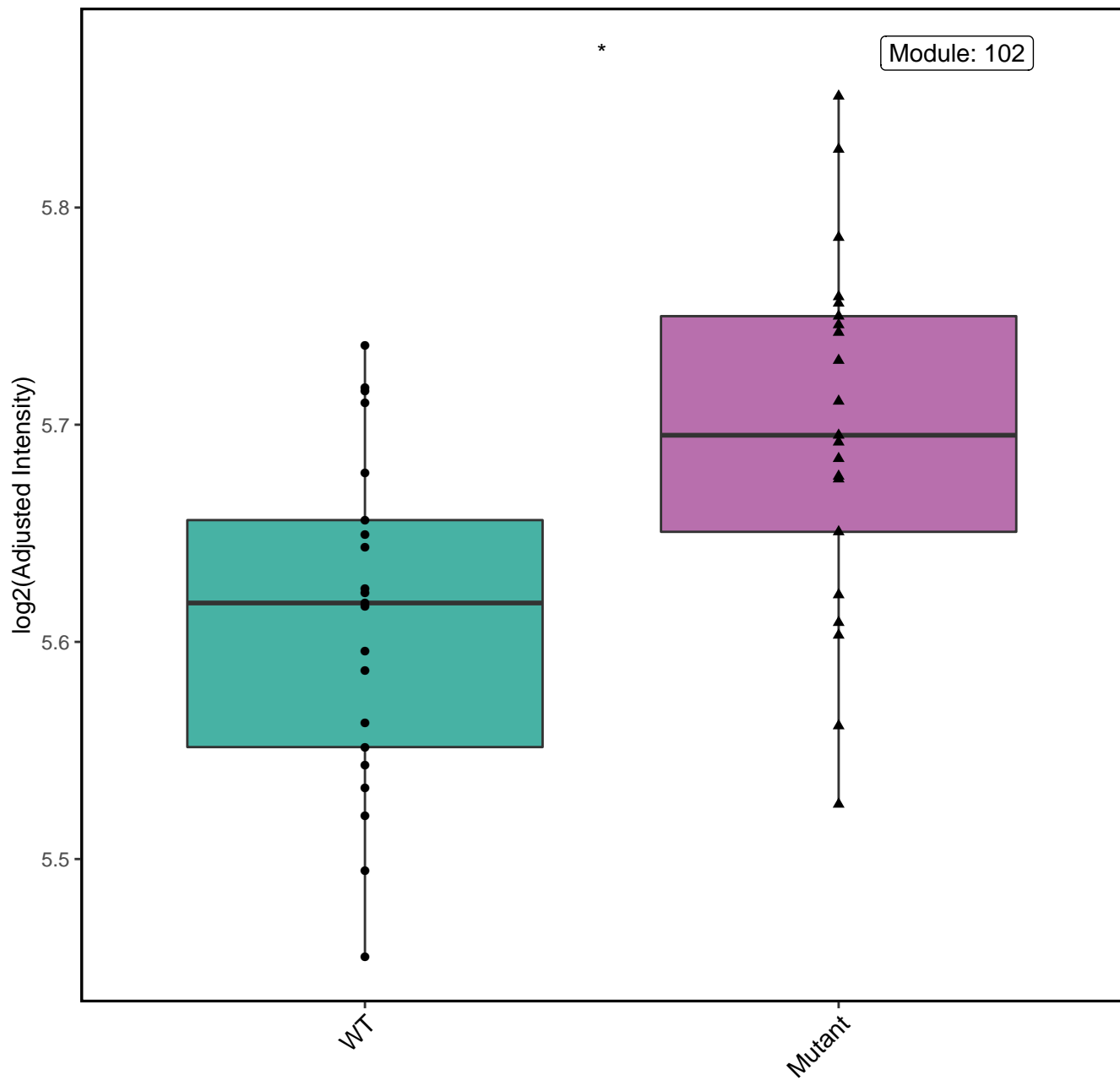


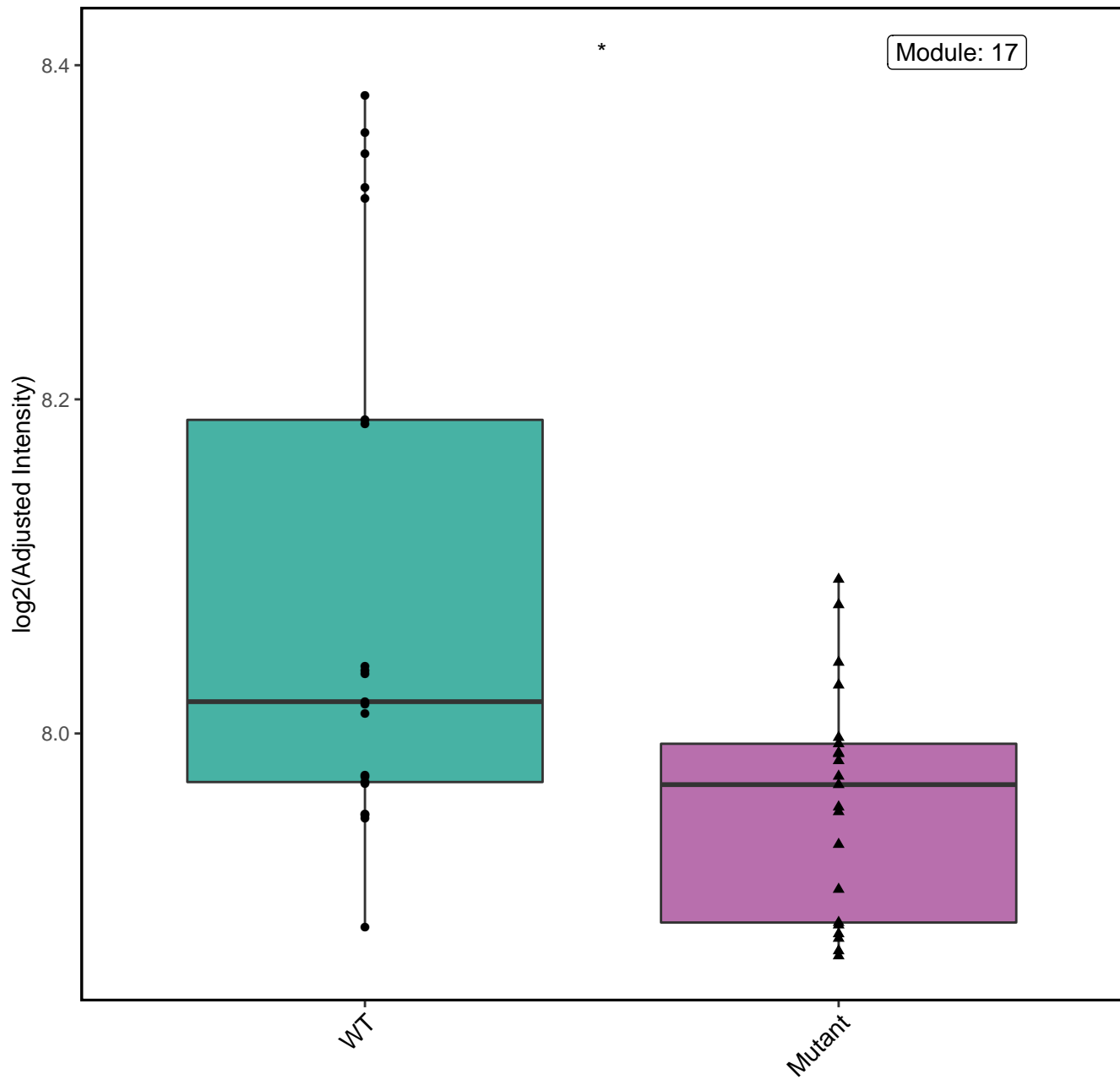


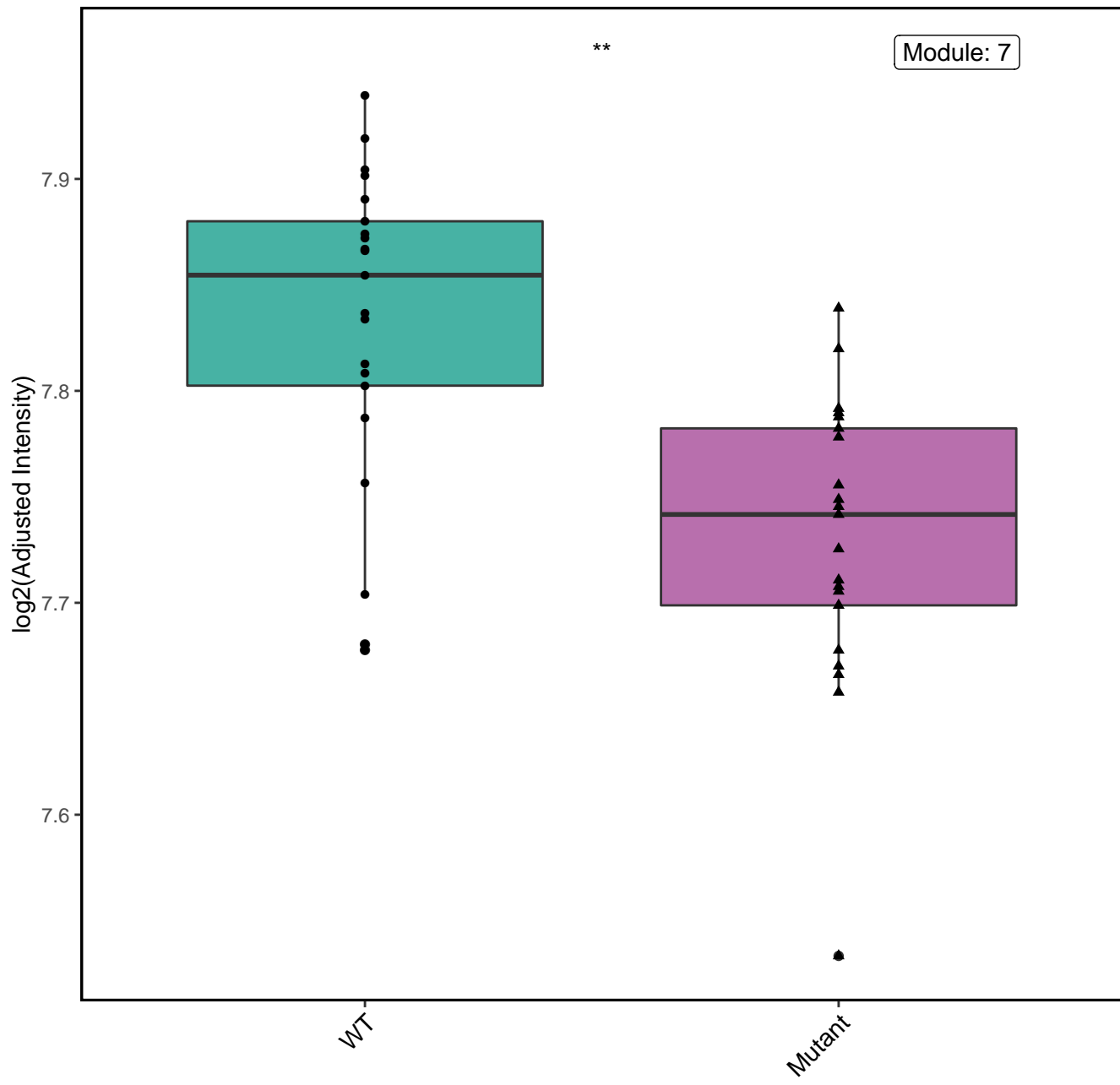


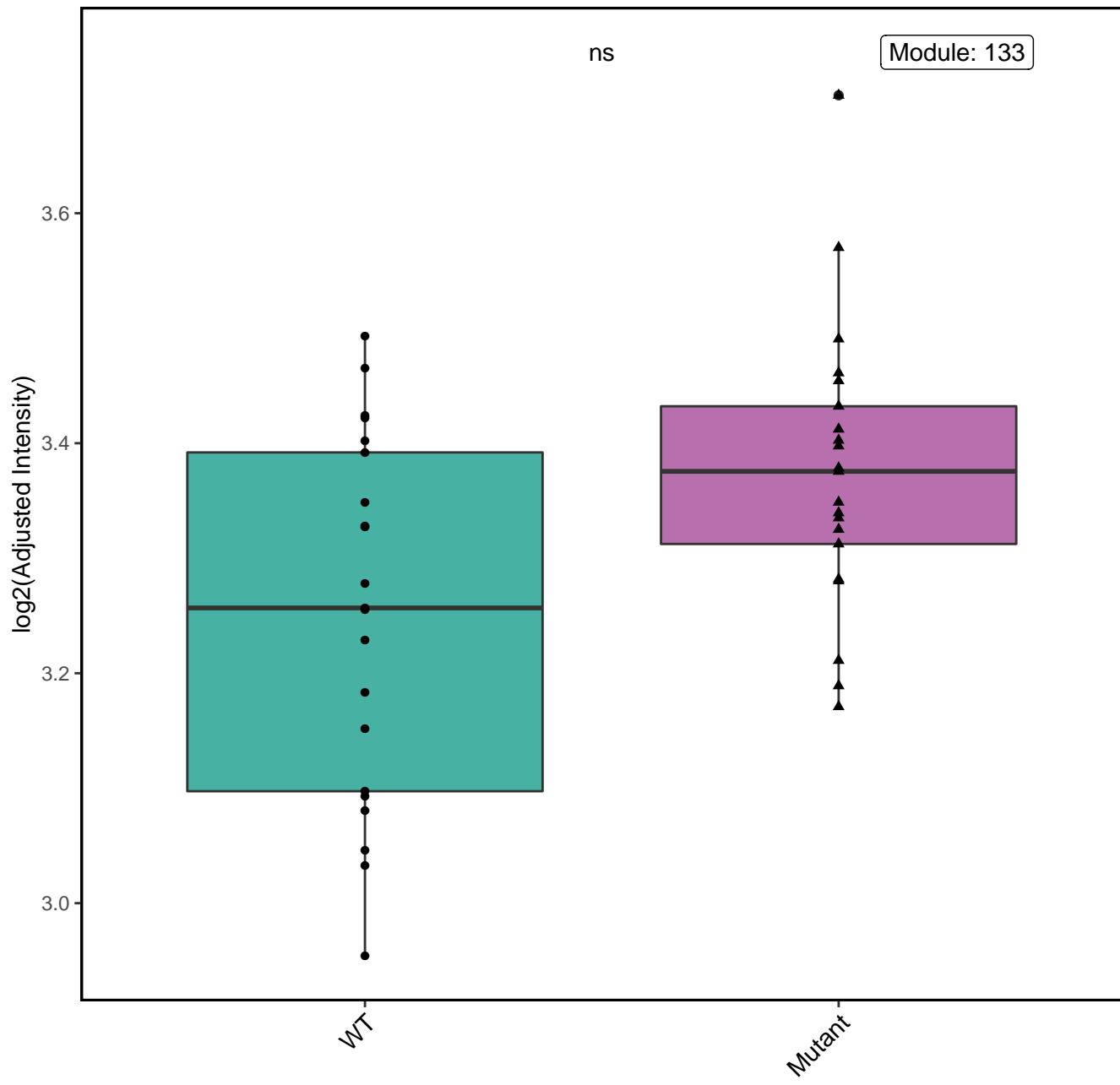


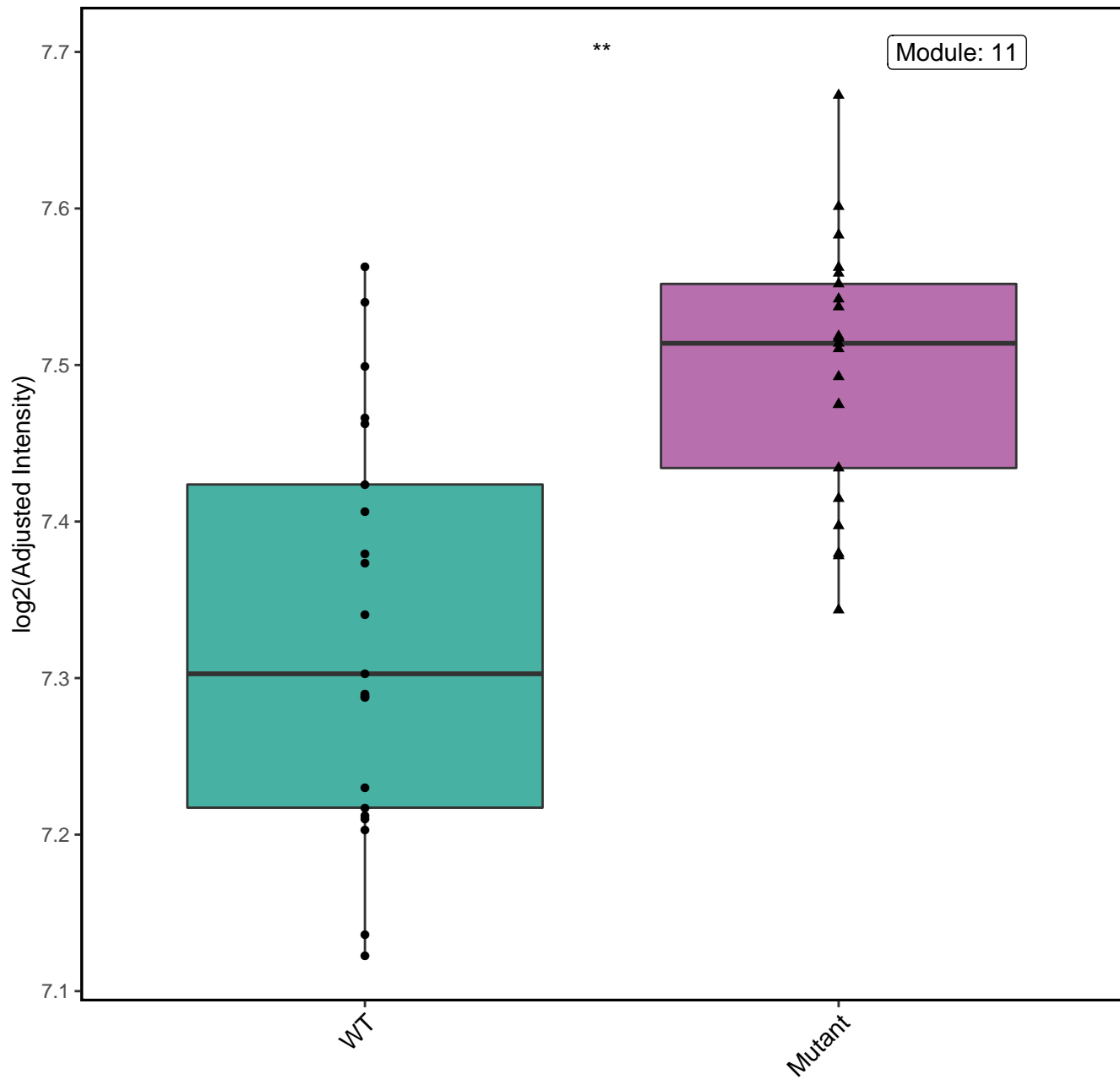


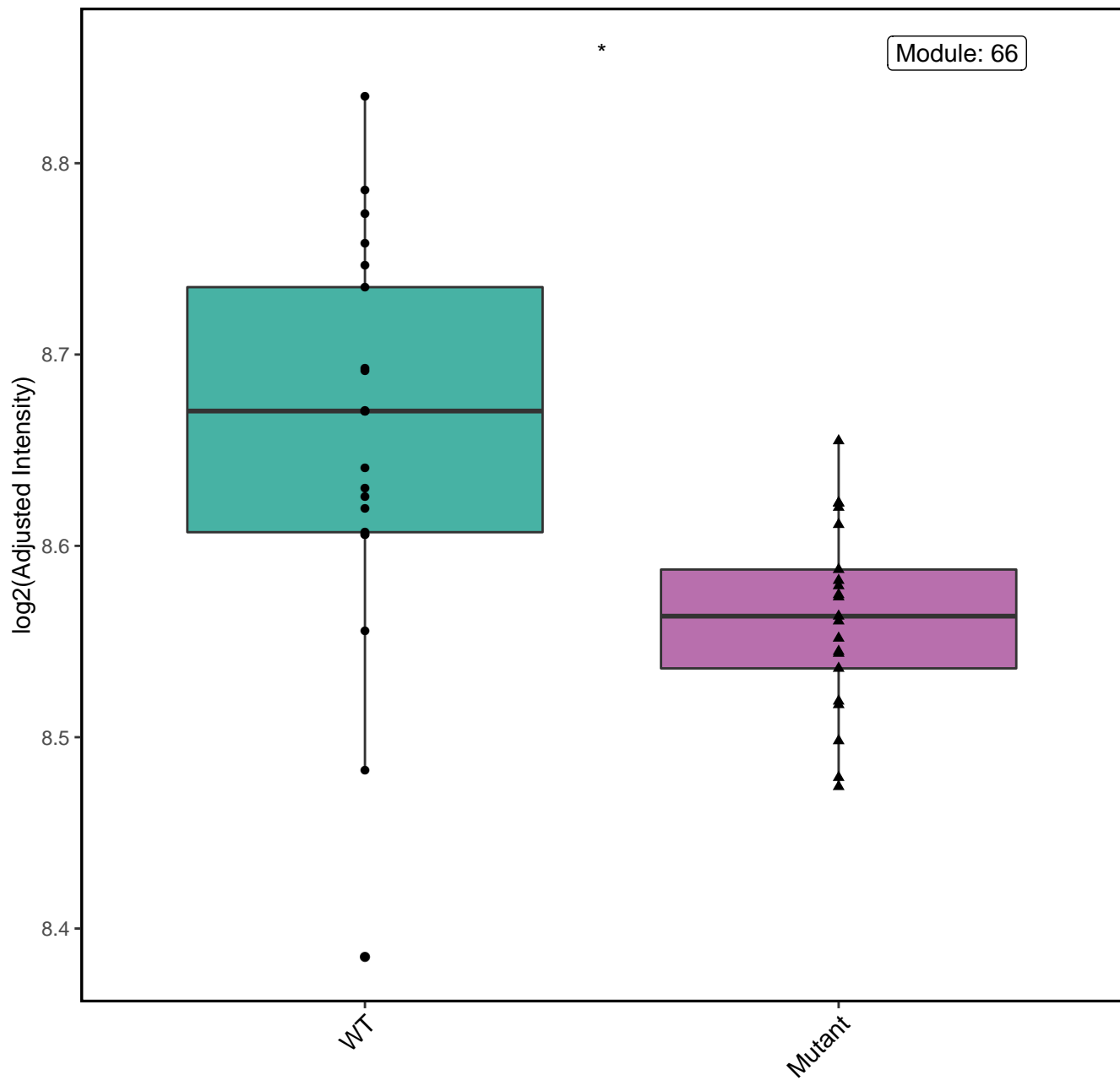


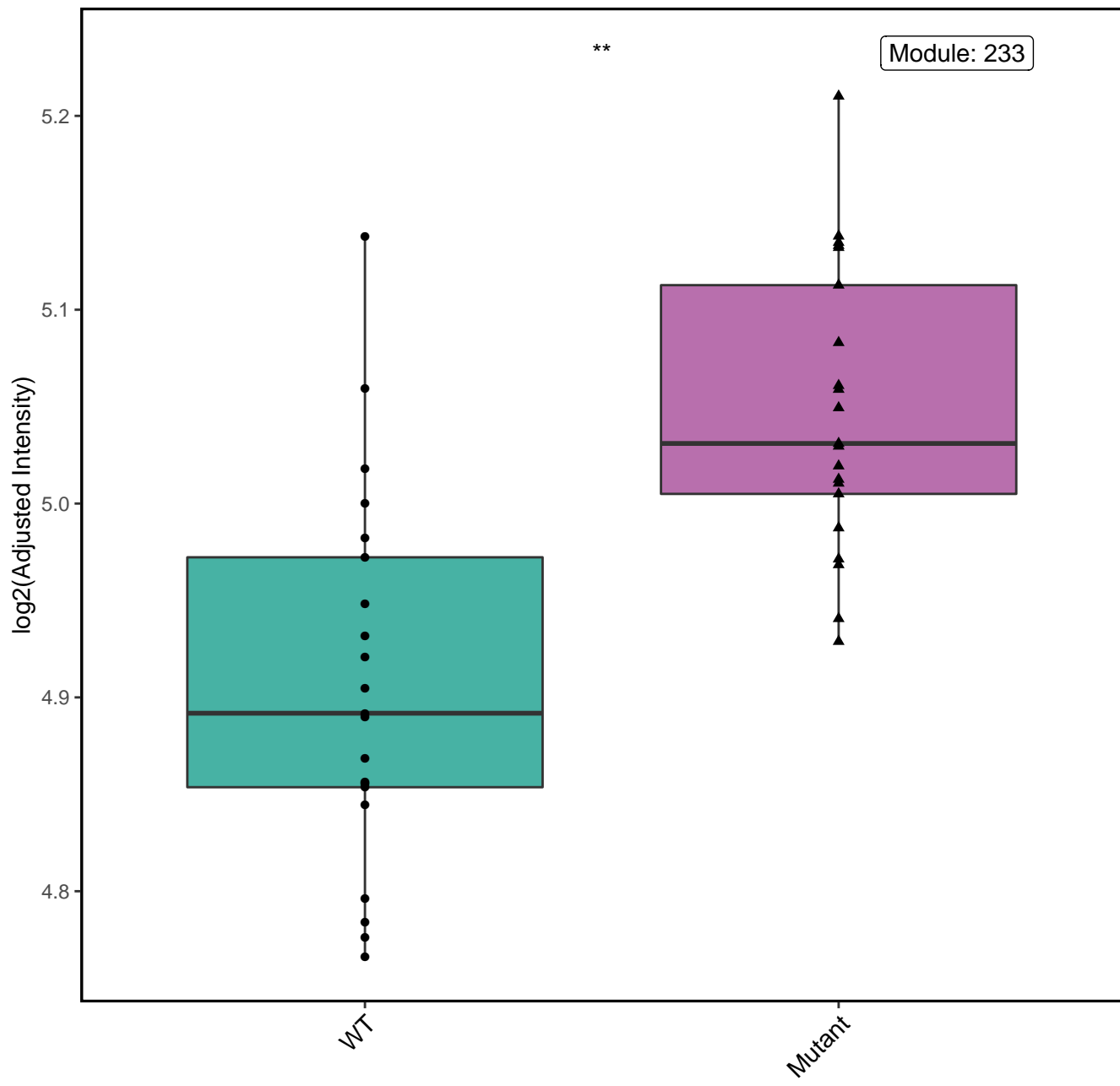




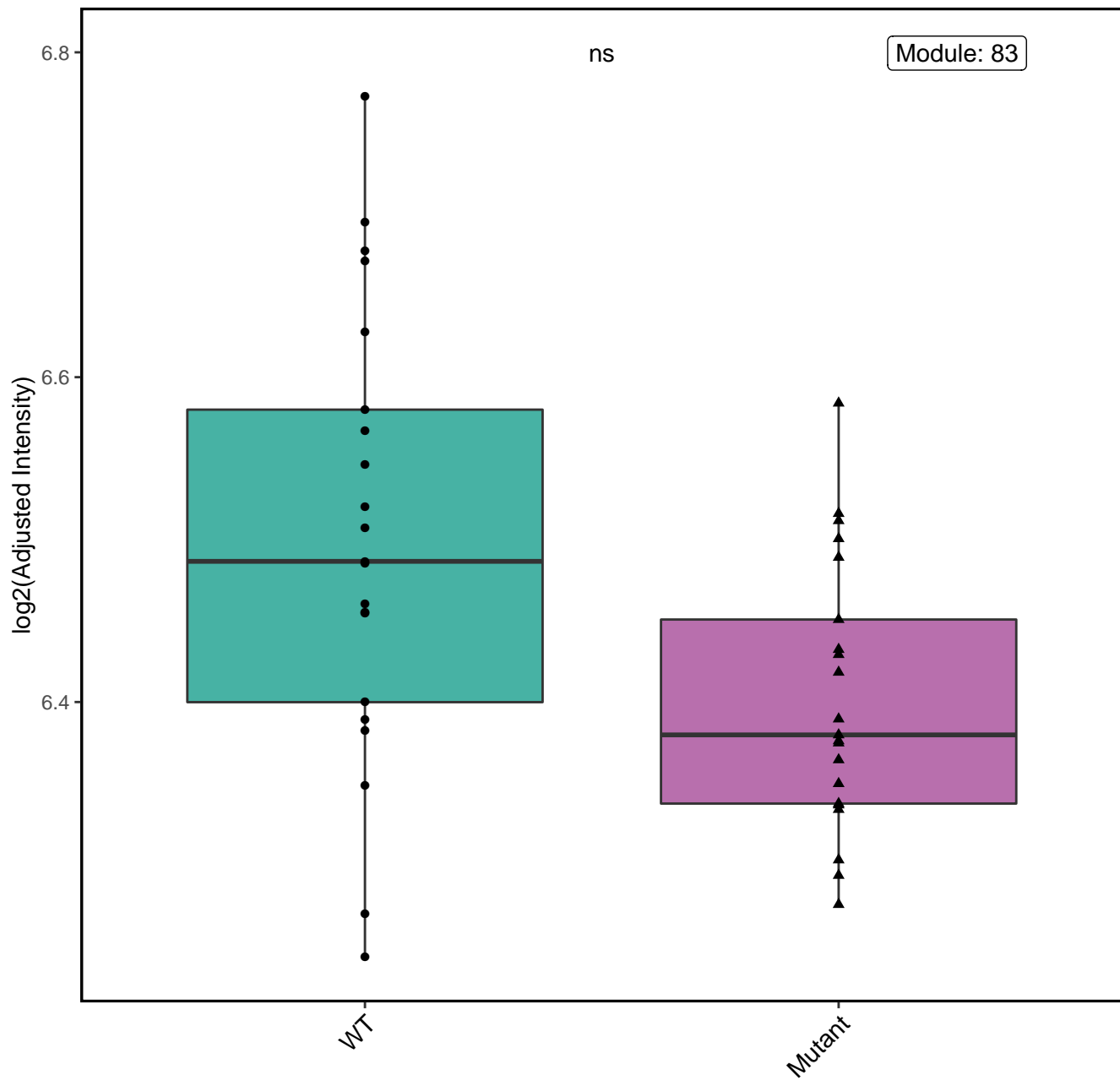


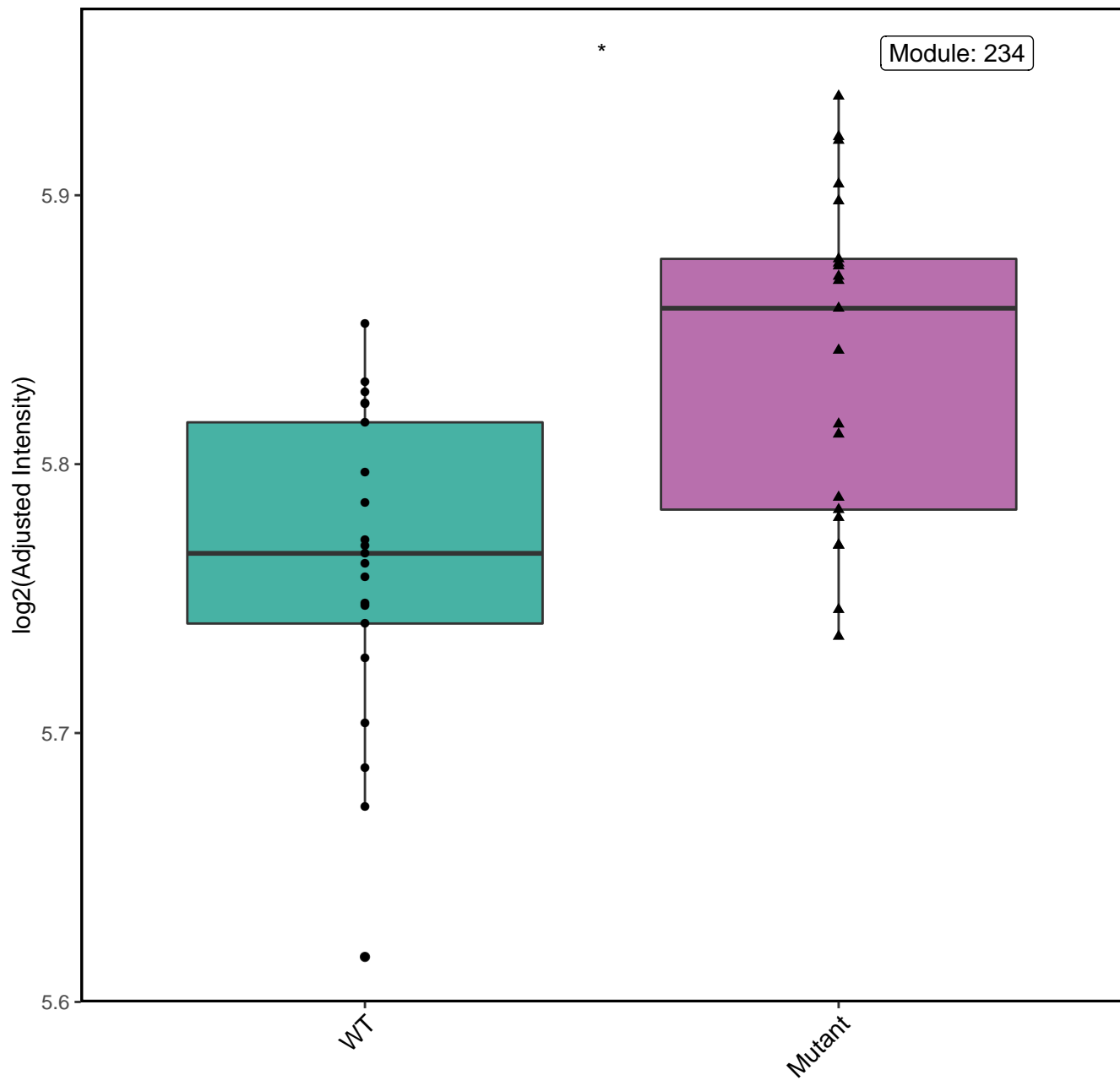


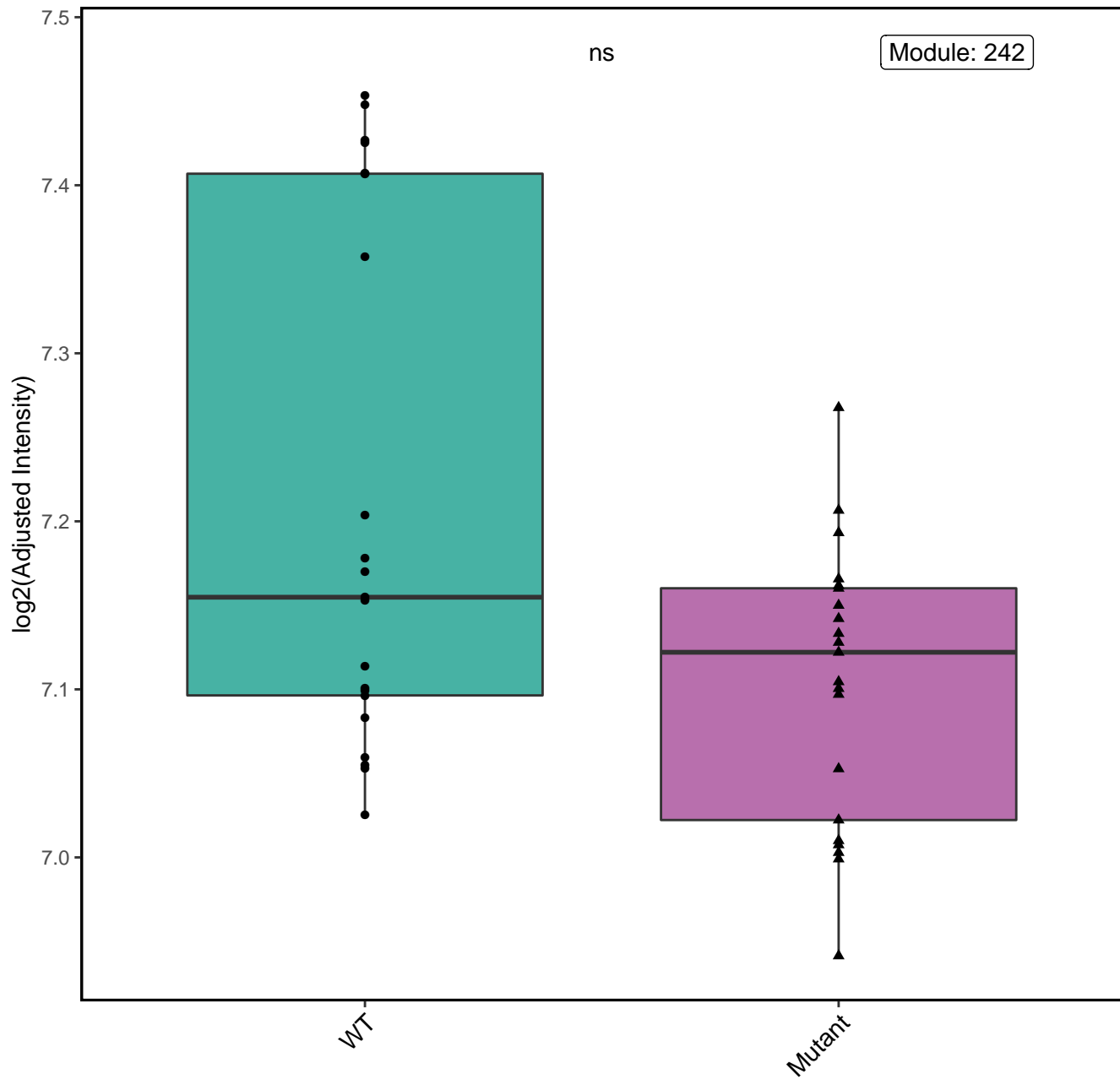


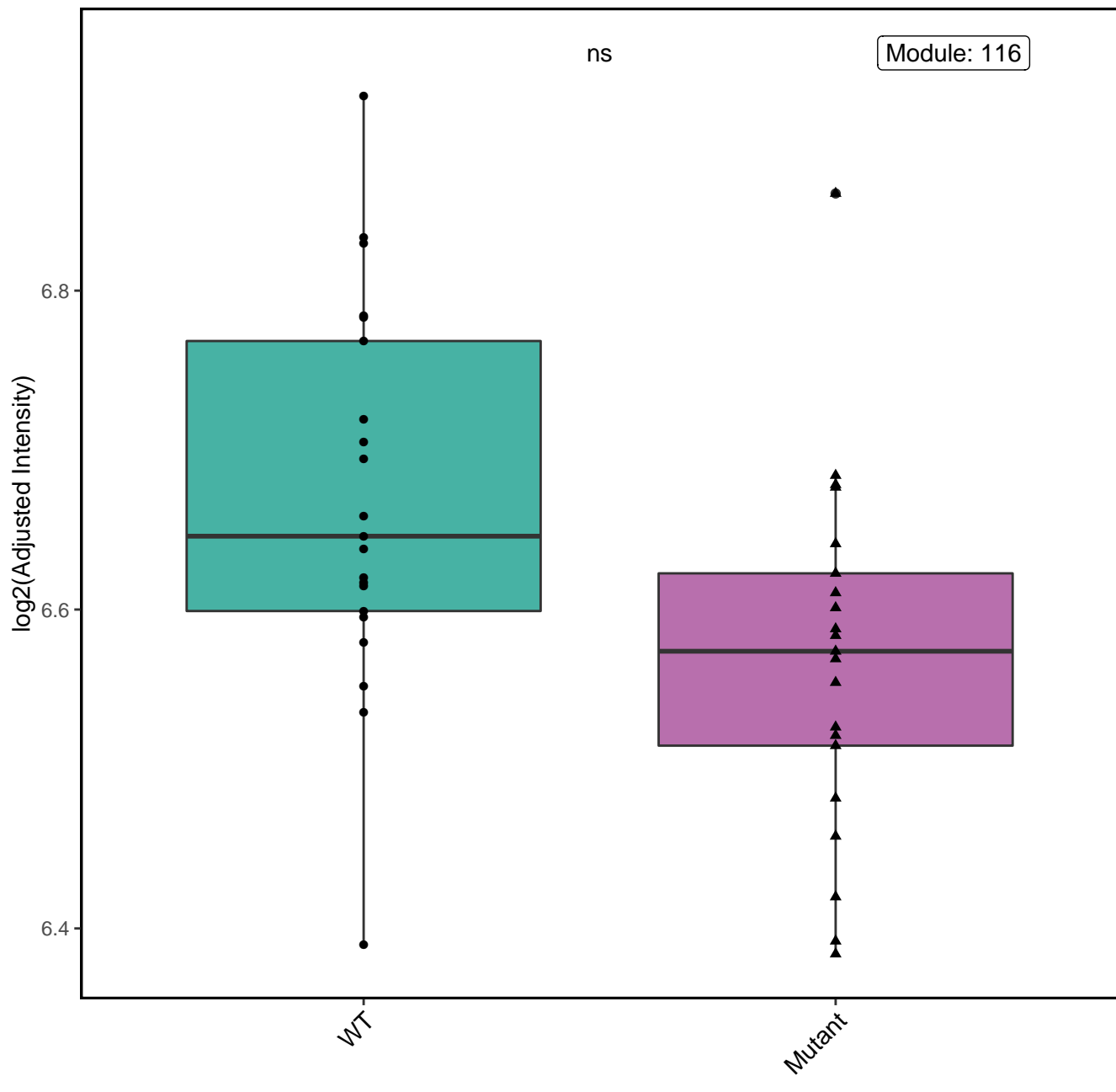


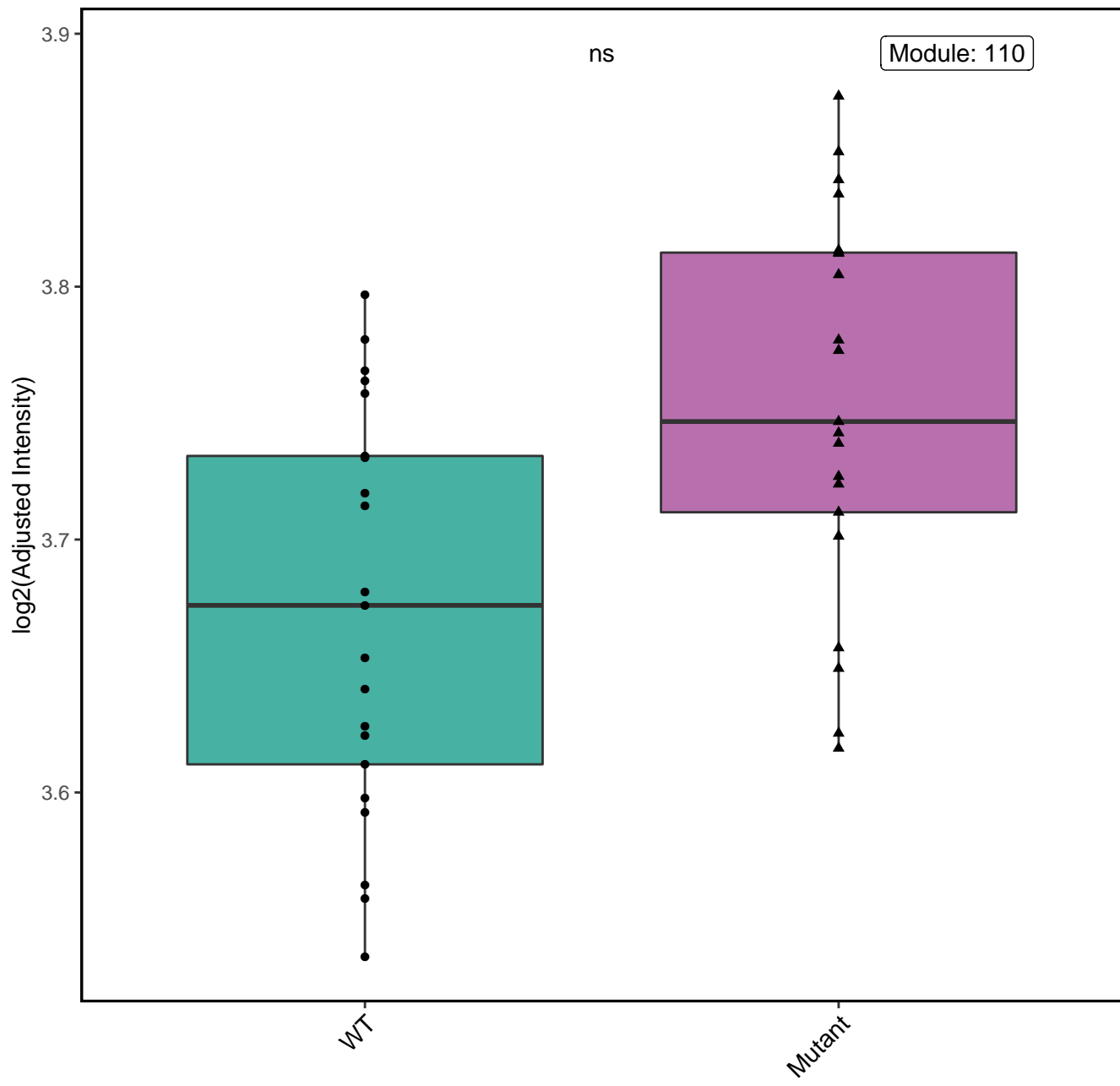


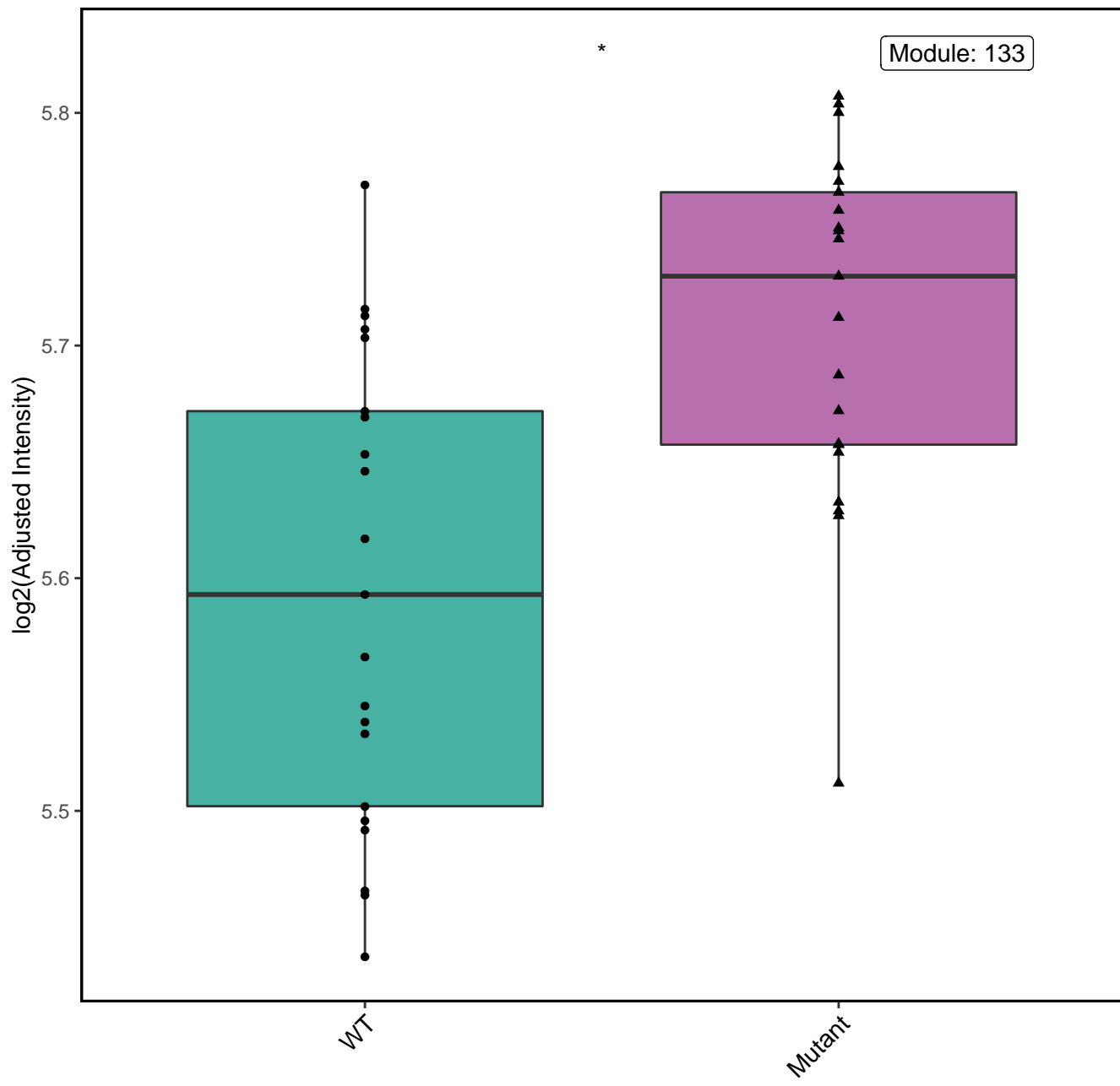


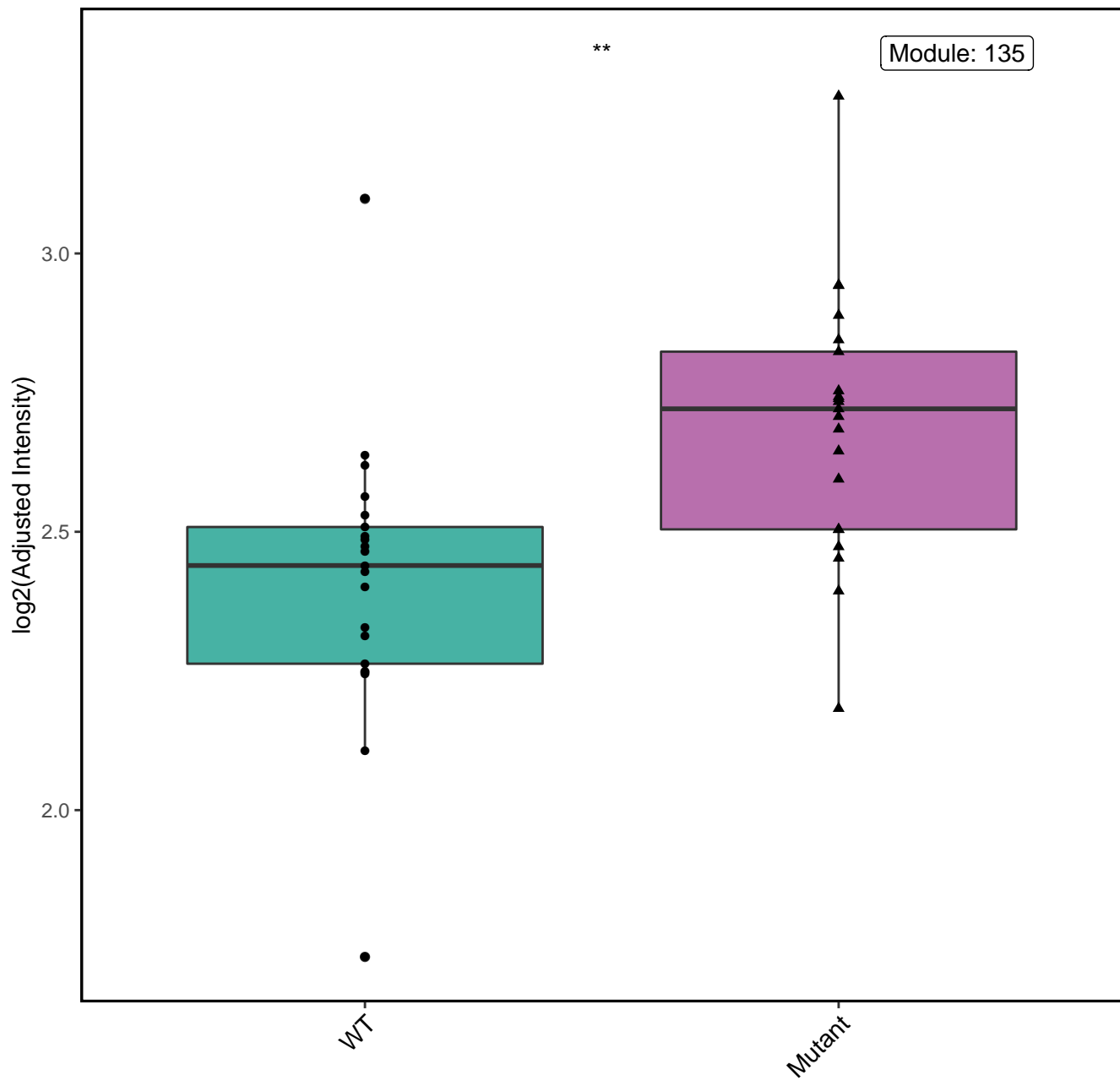


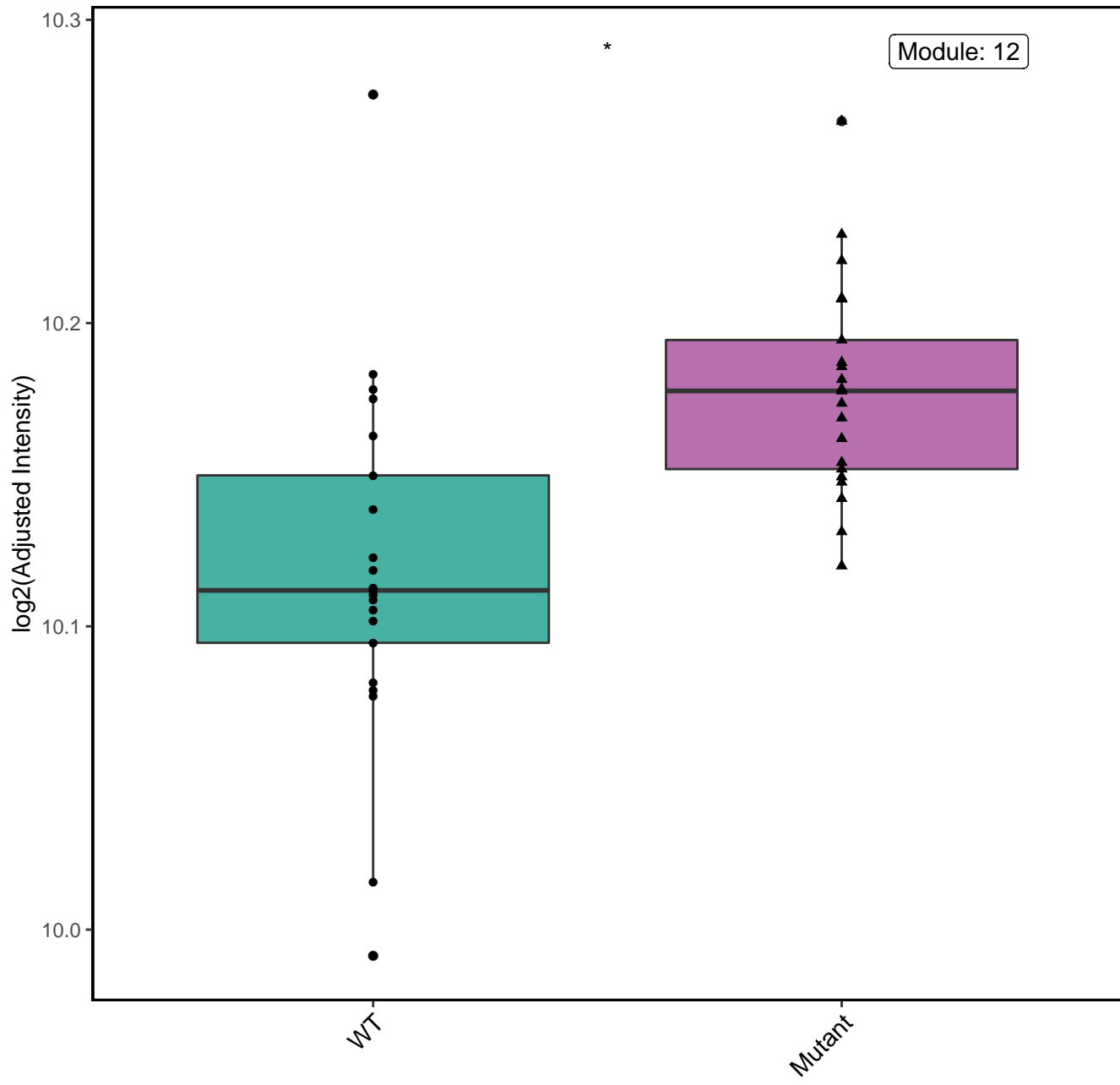














log2(Adjusted Intensity)

7.6

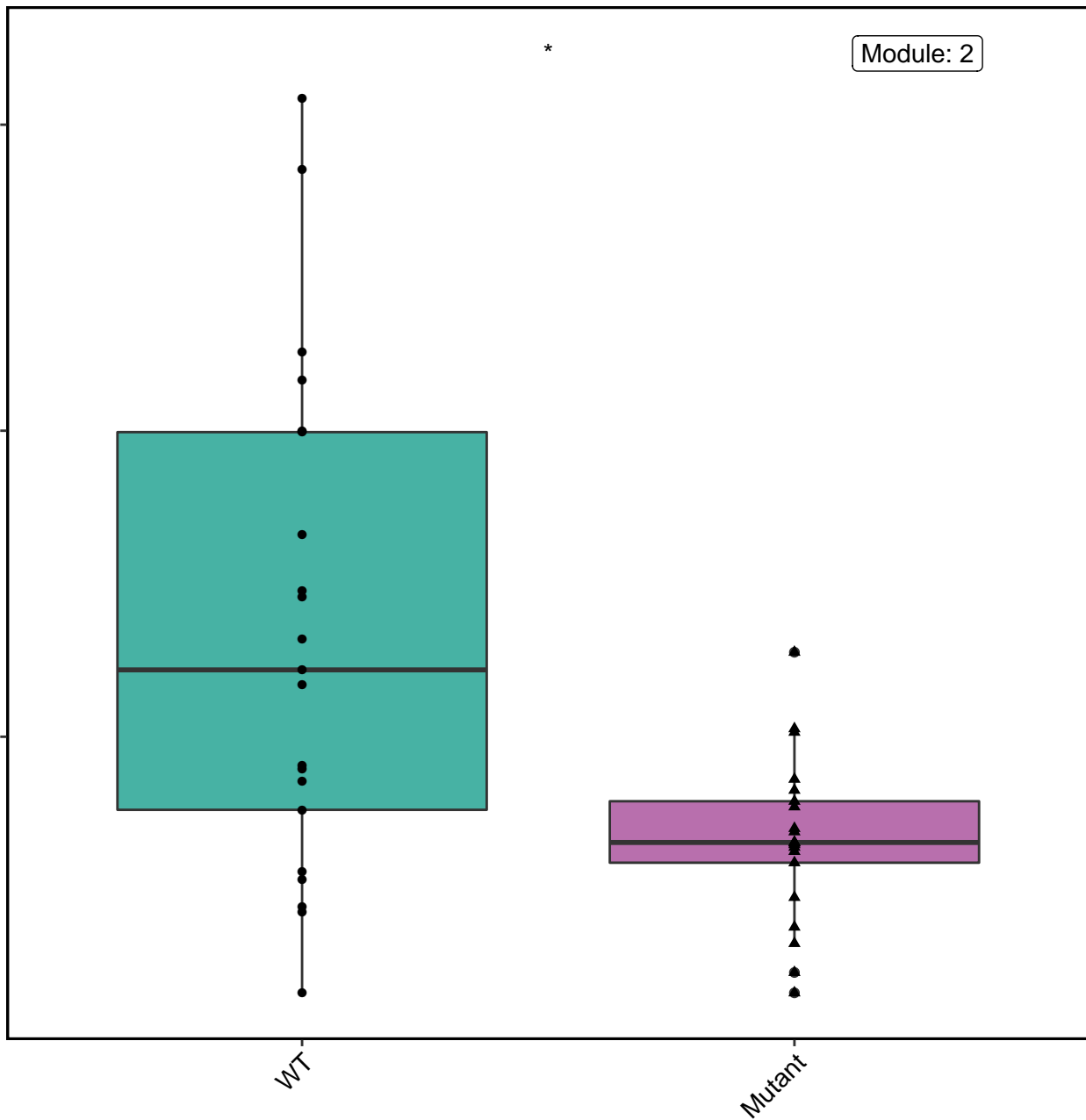
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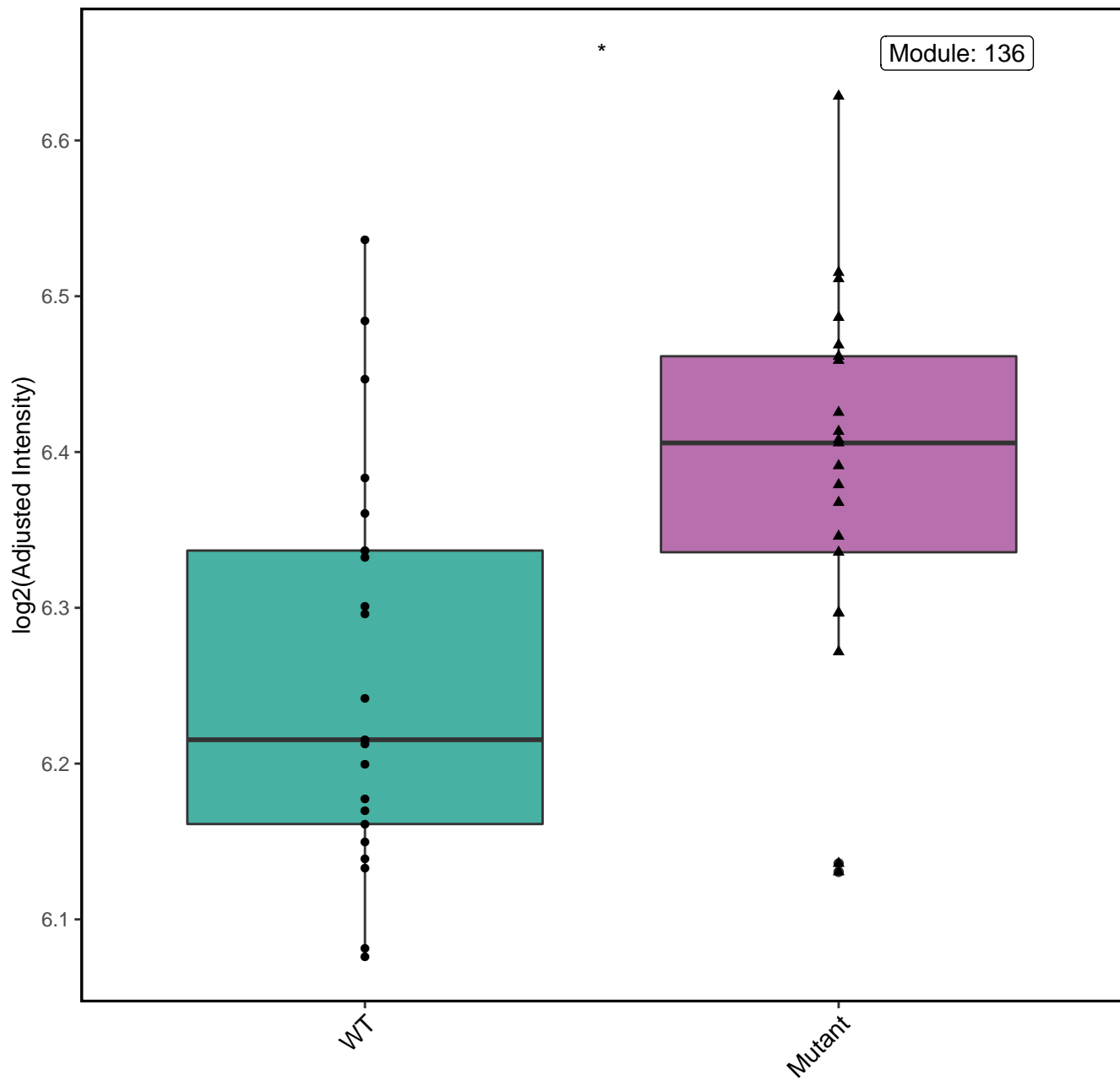
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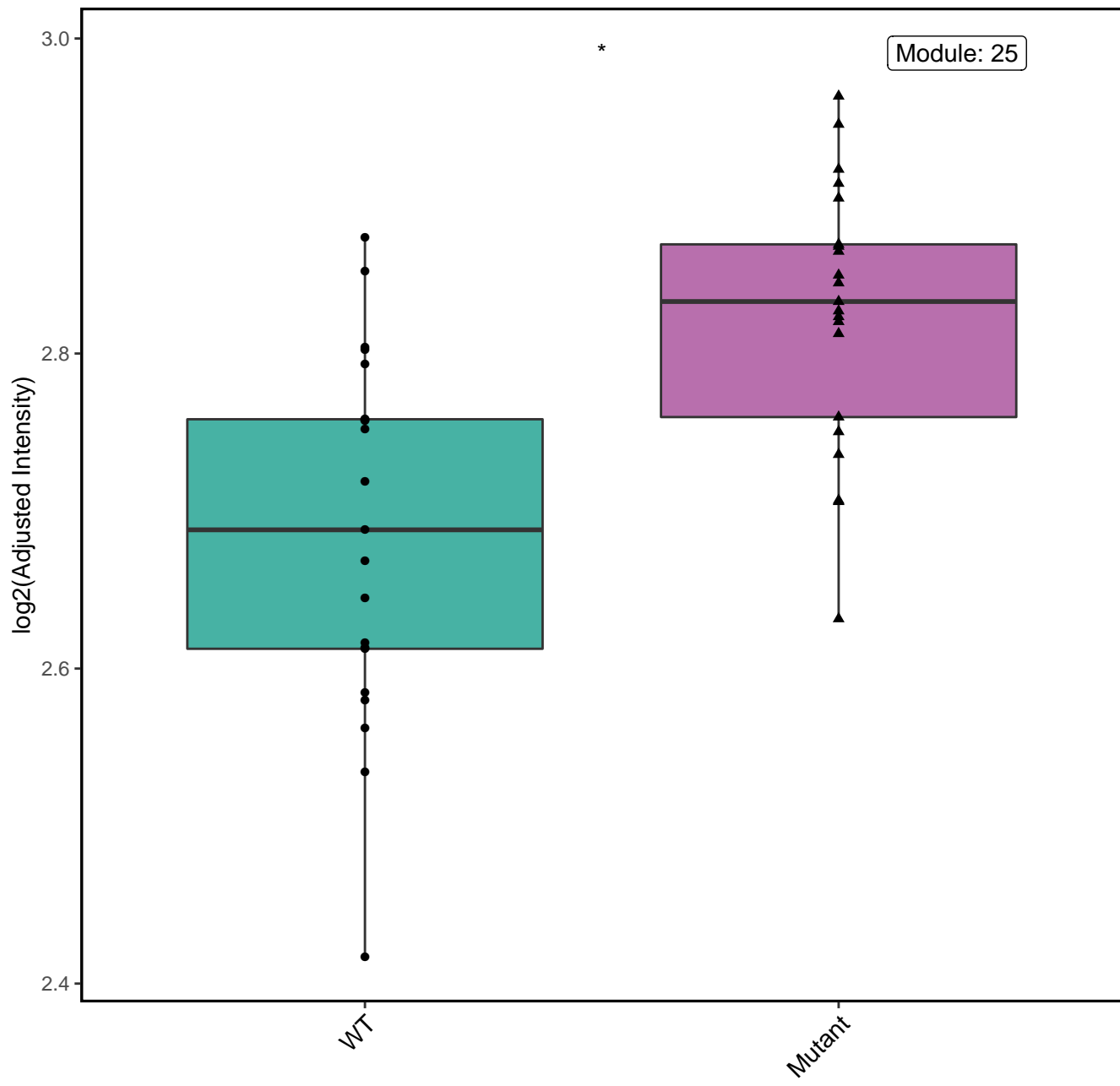
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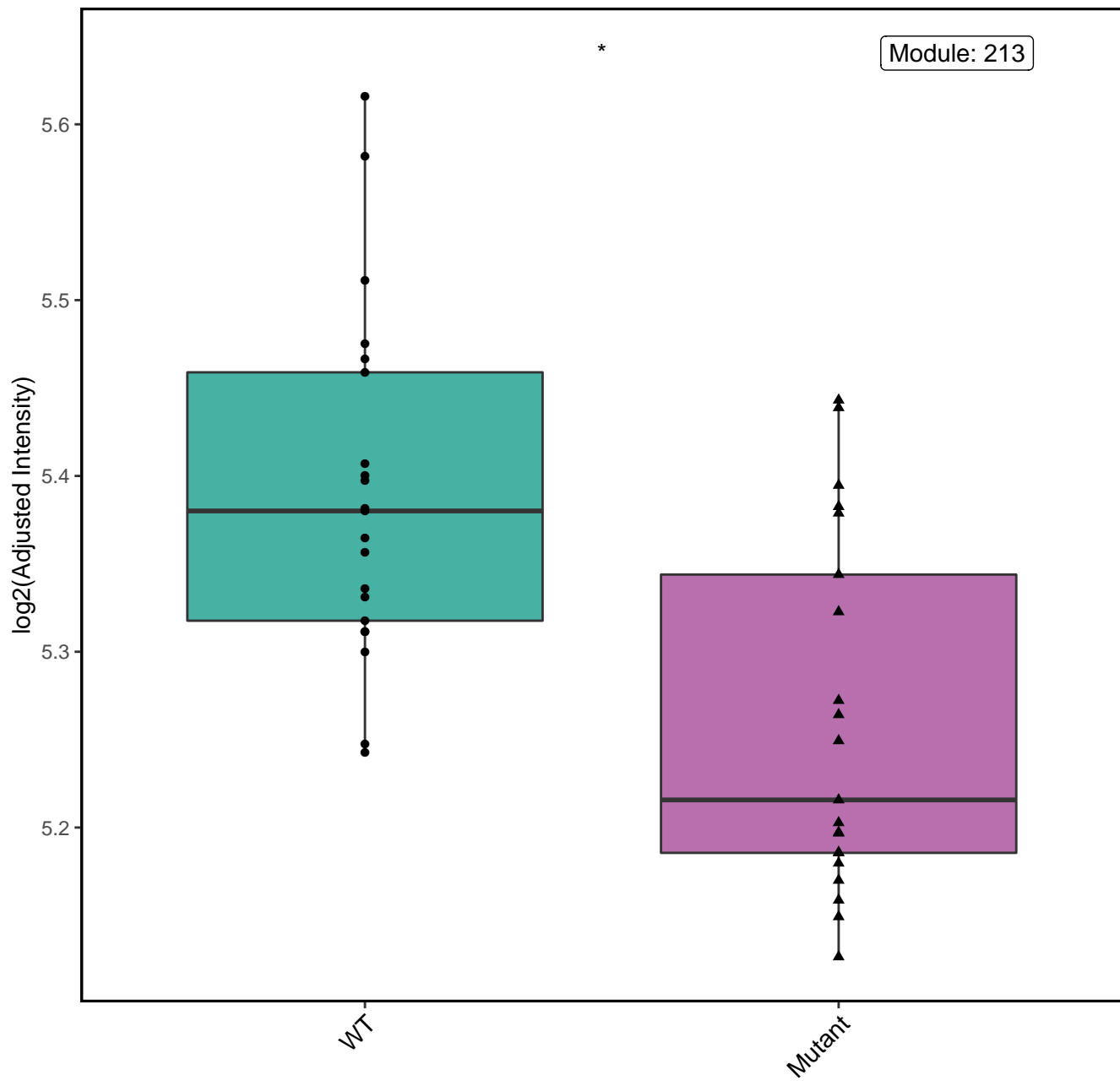
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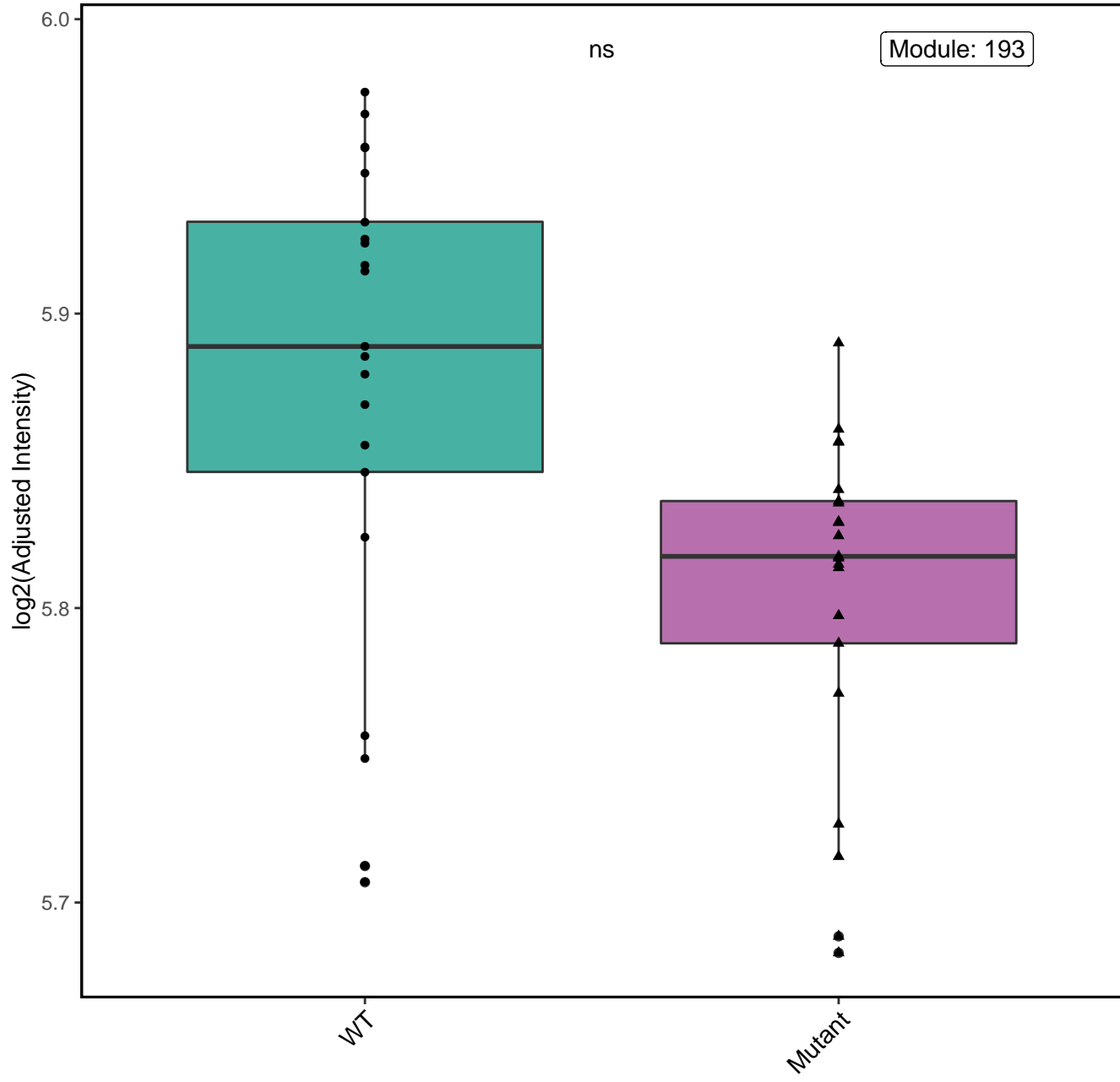
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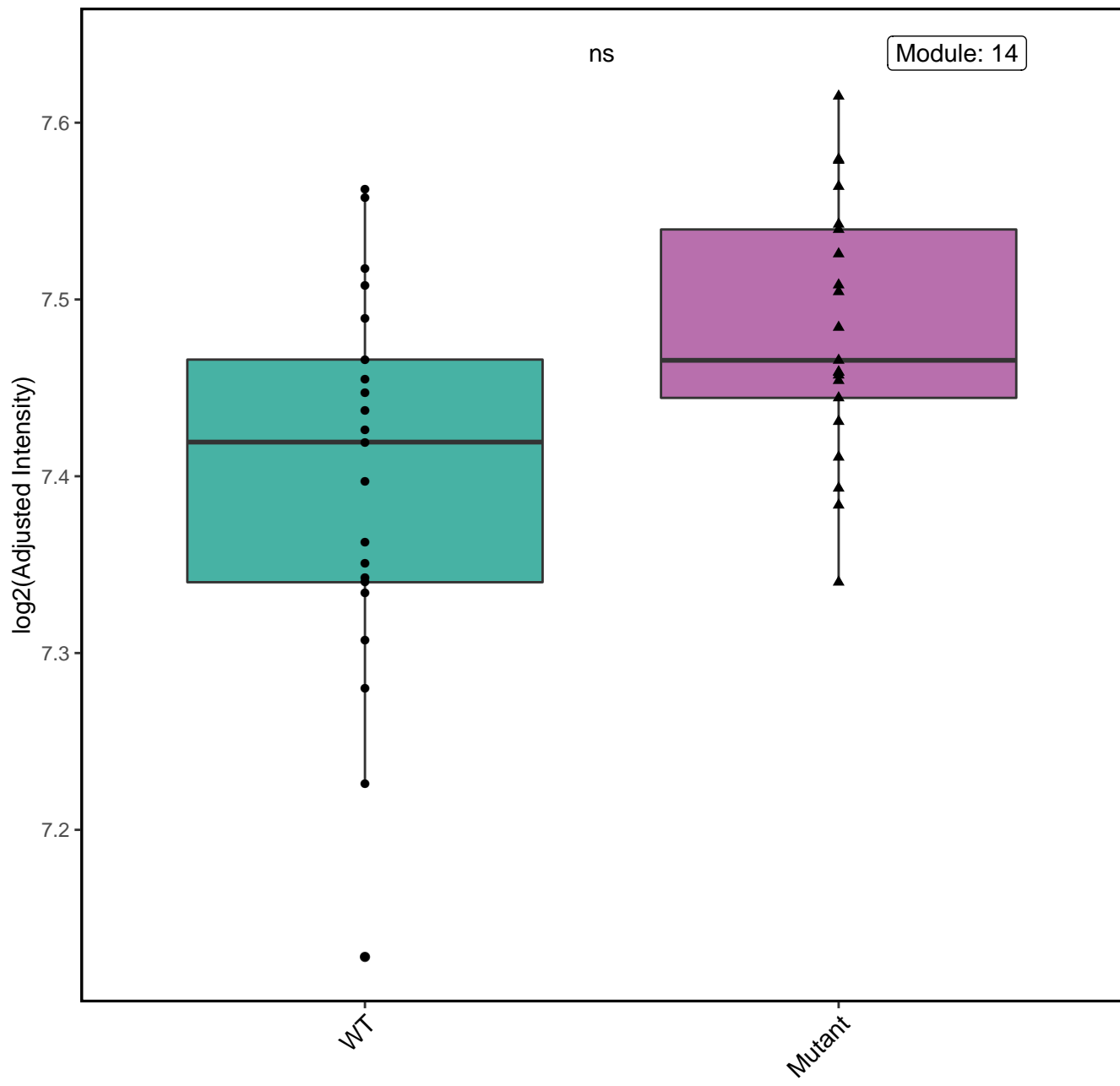


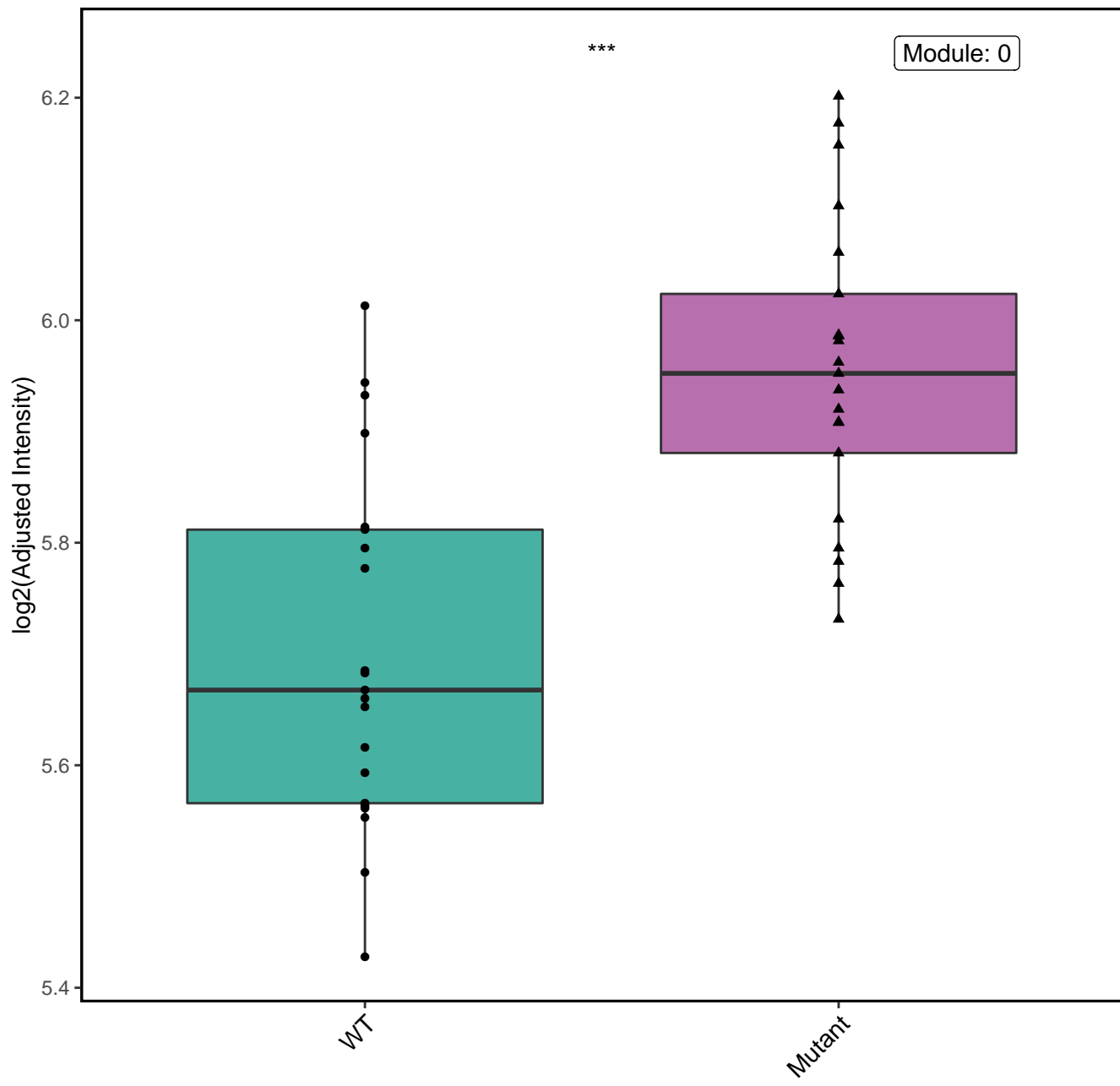


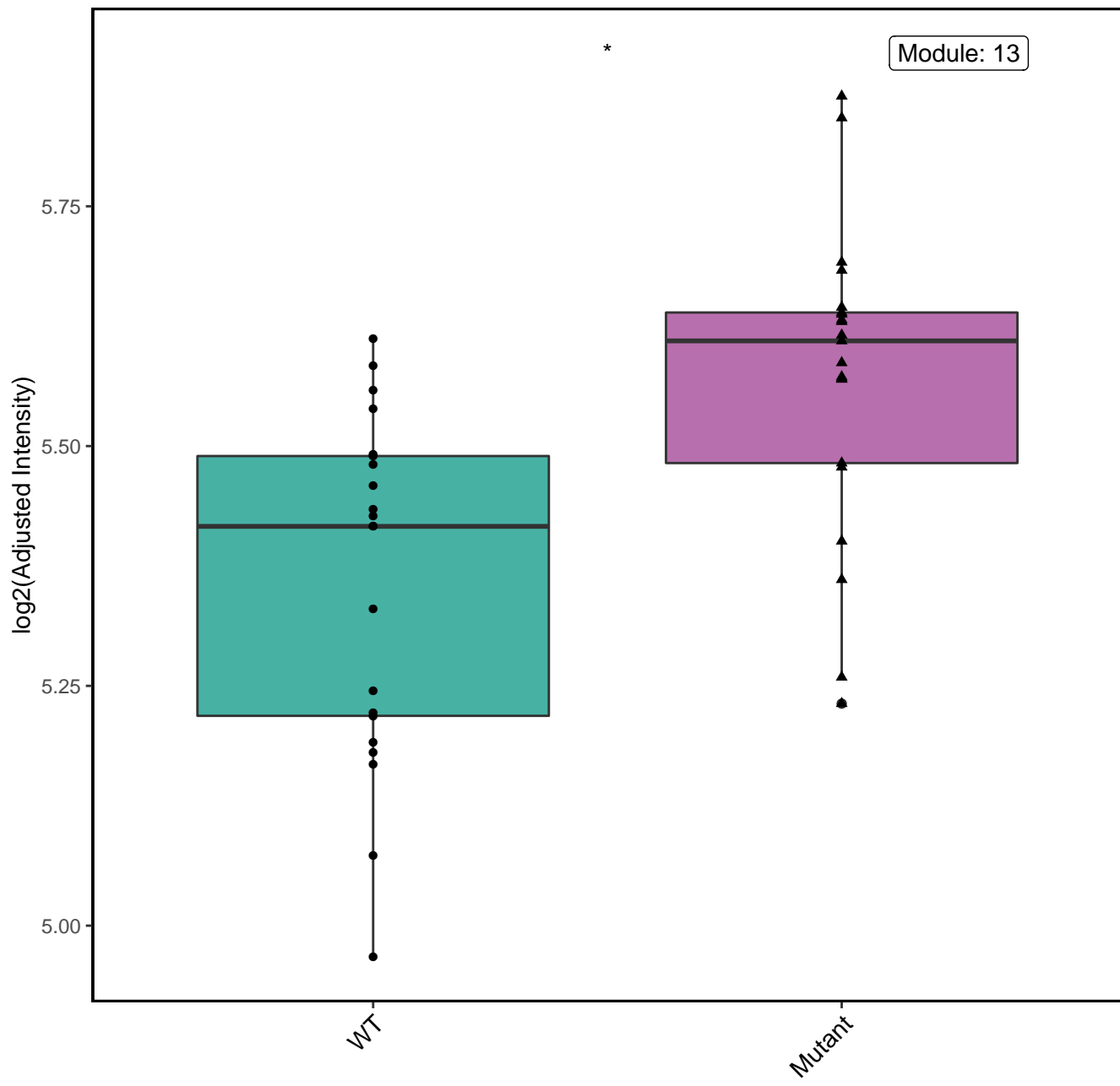




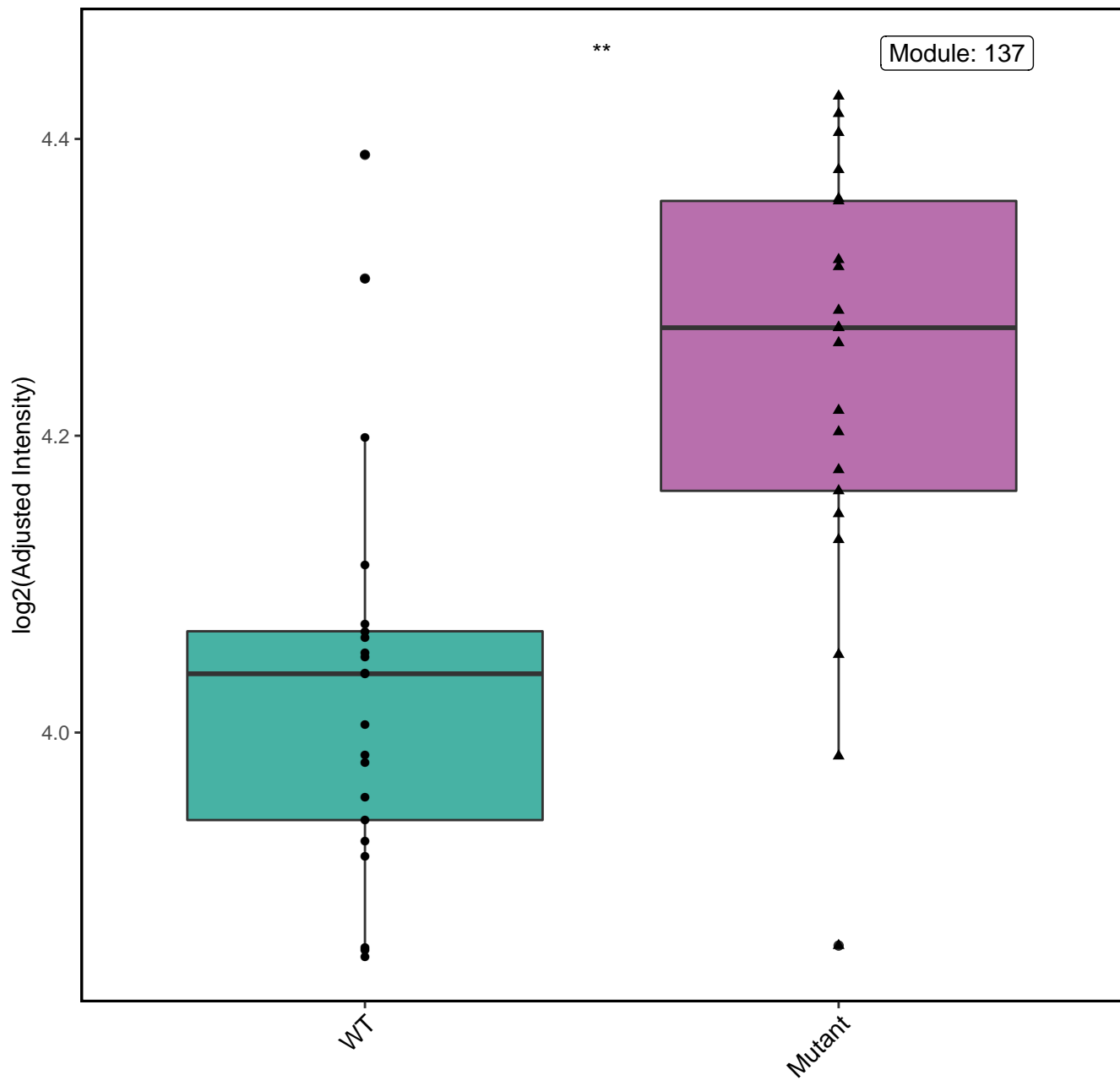


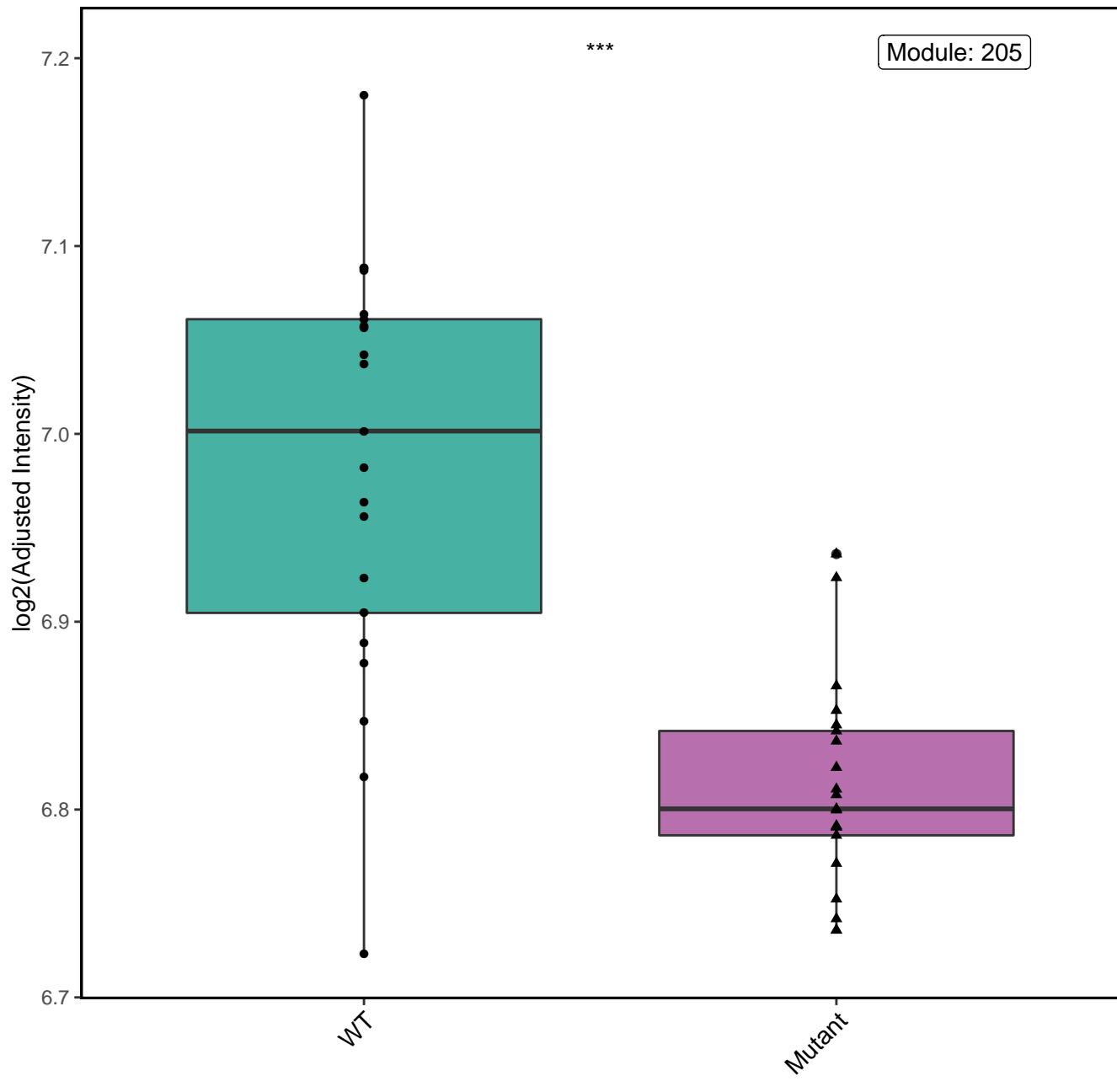


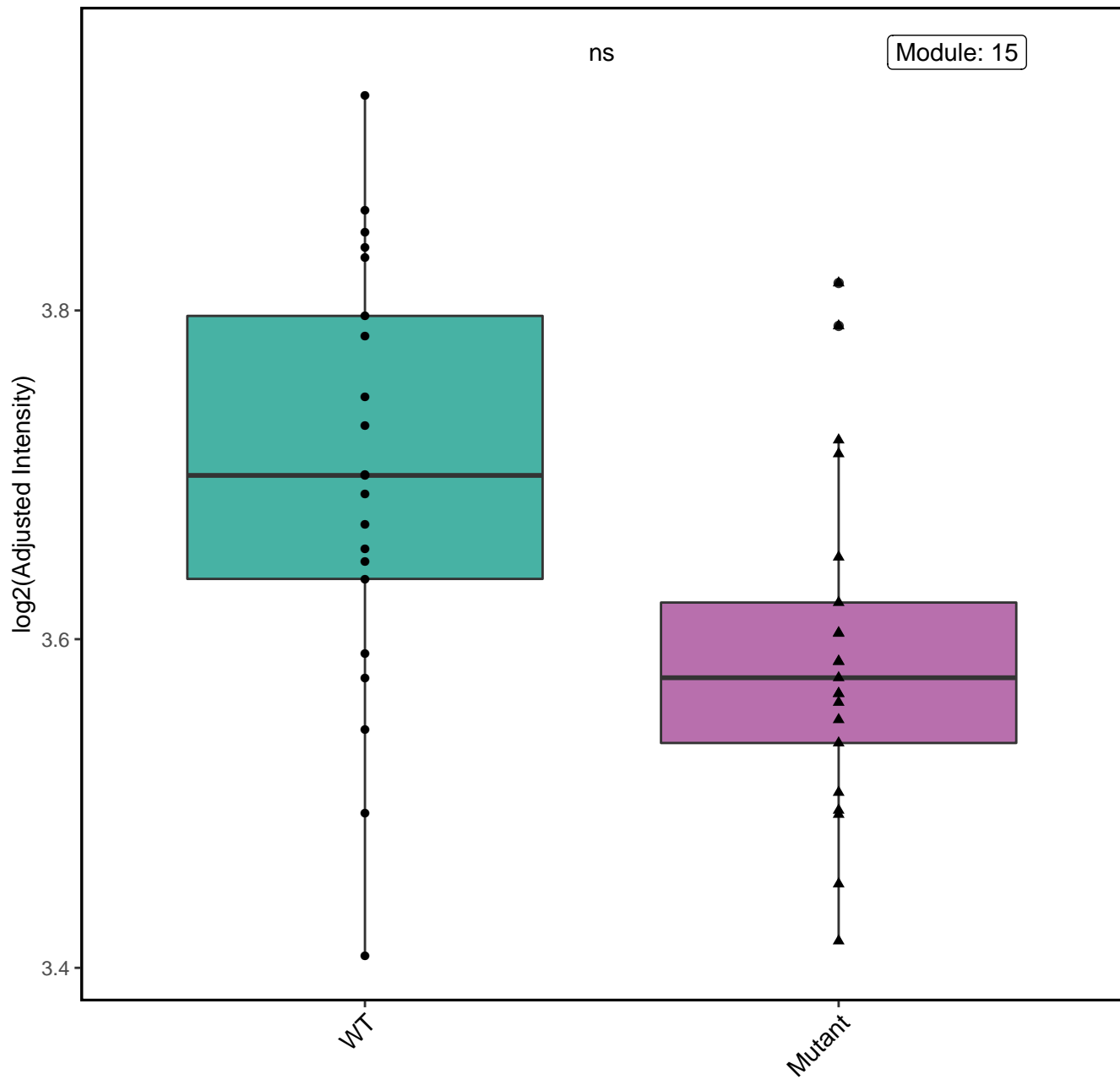


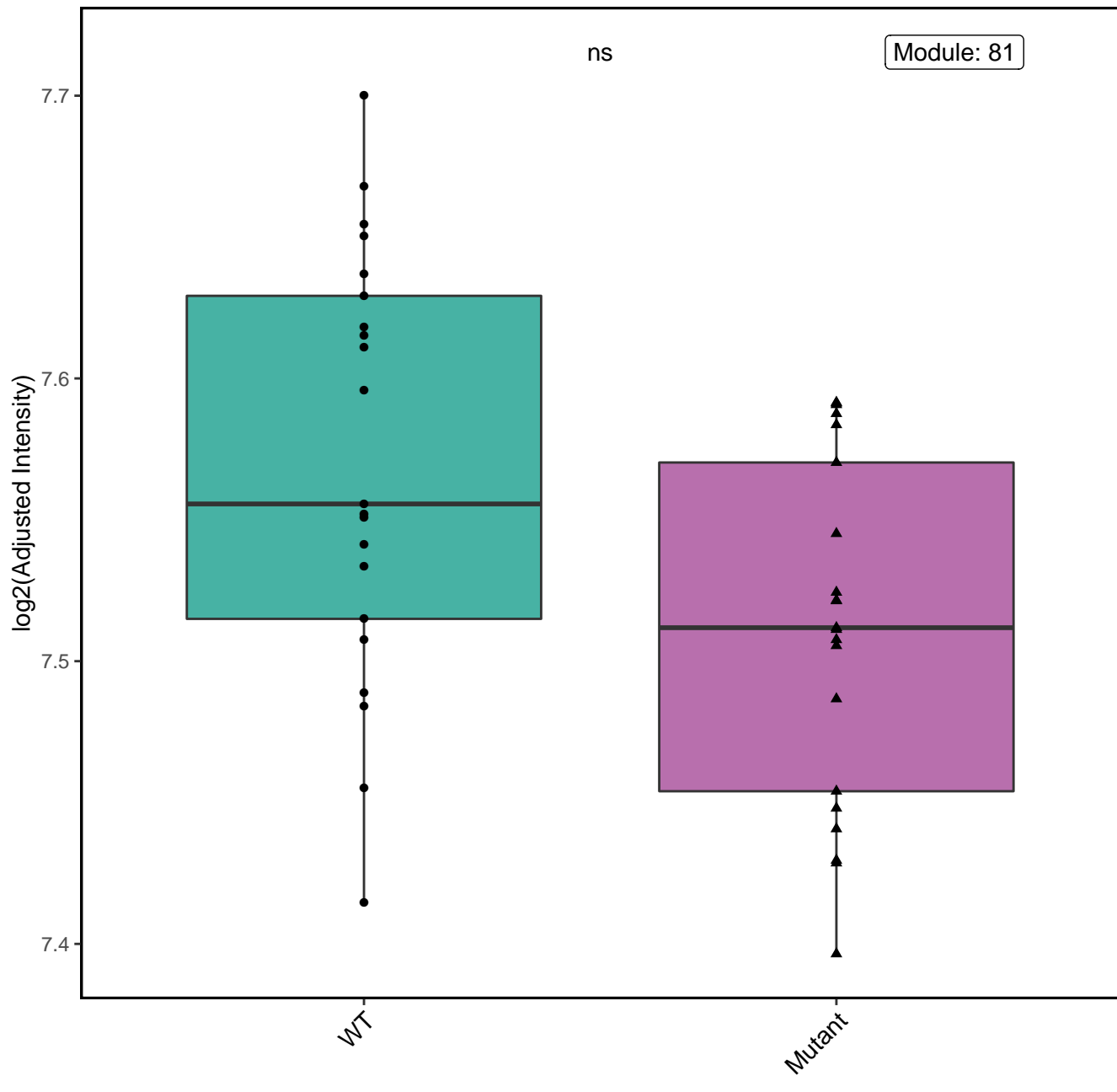


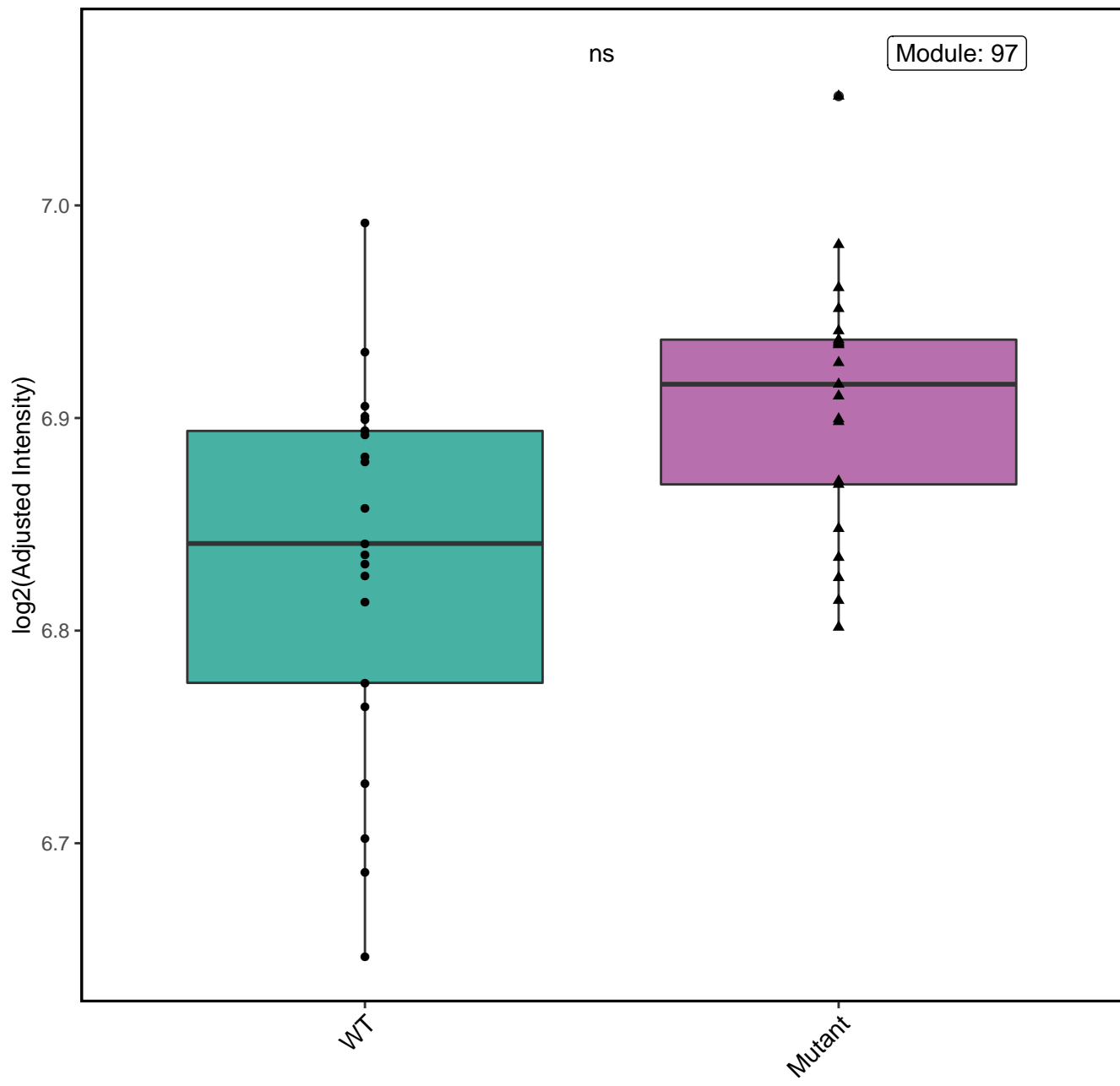


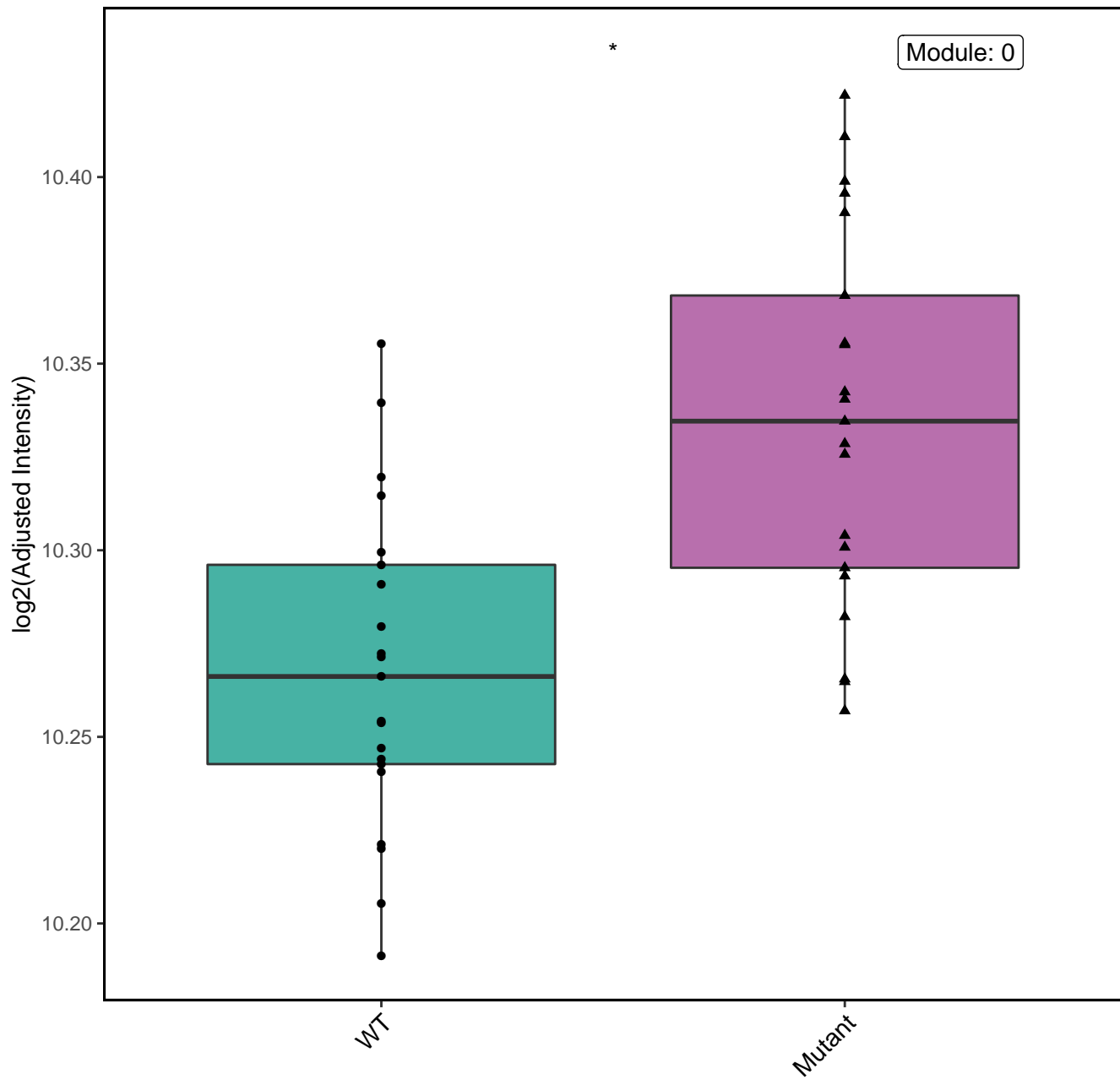


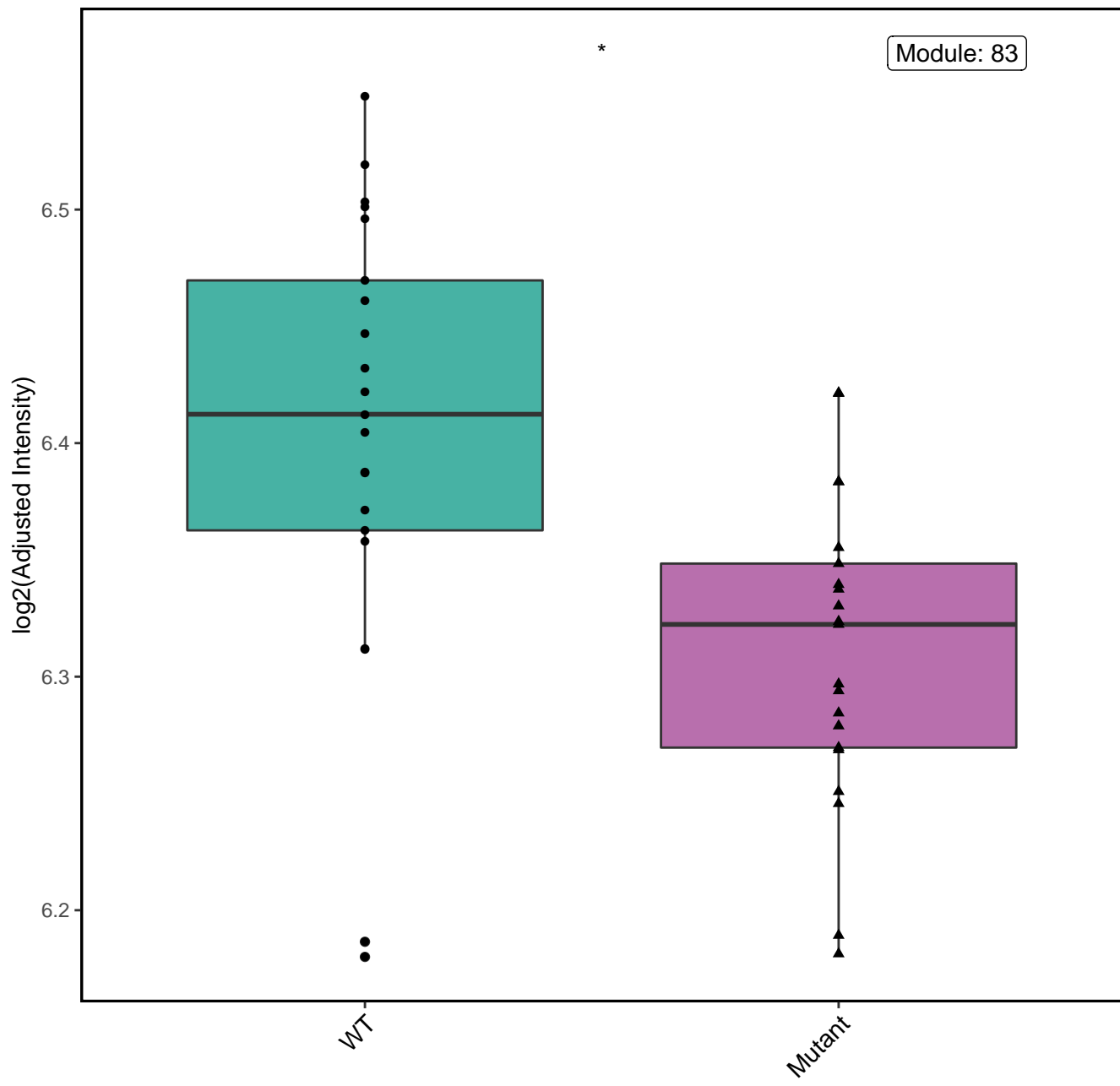


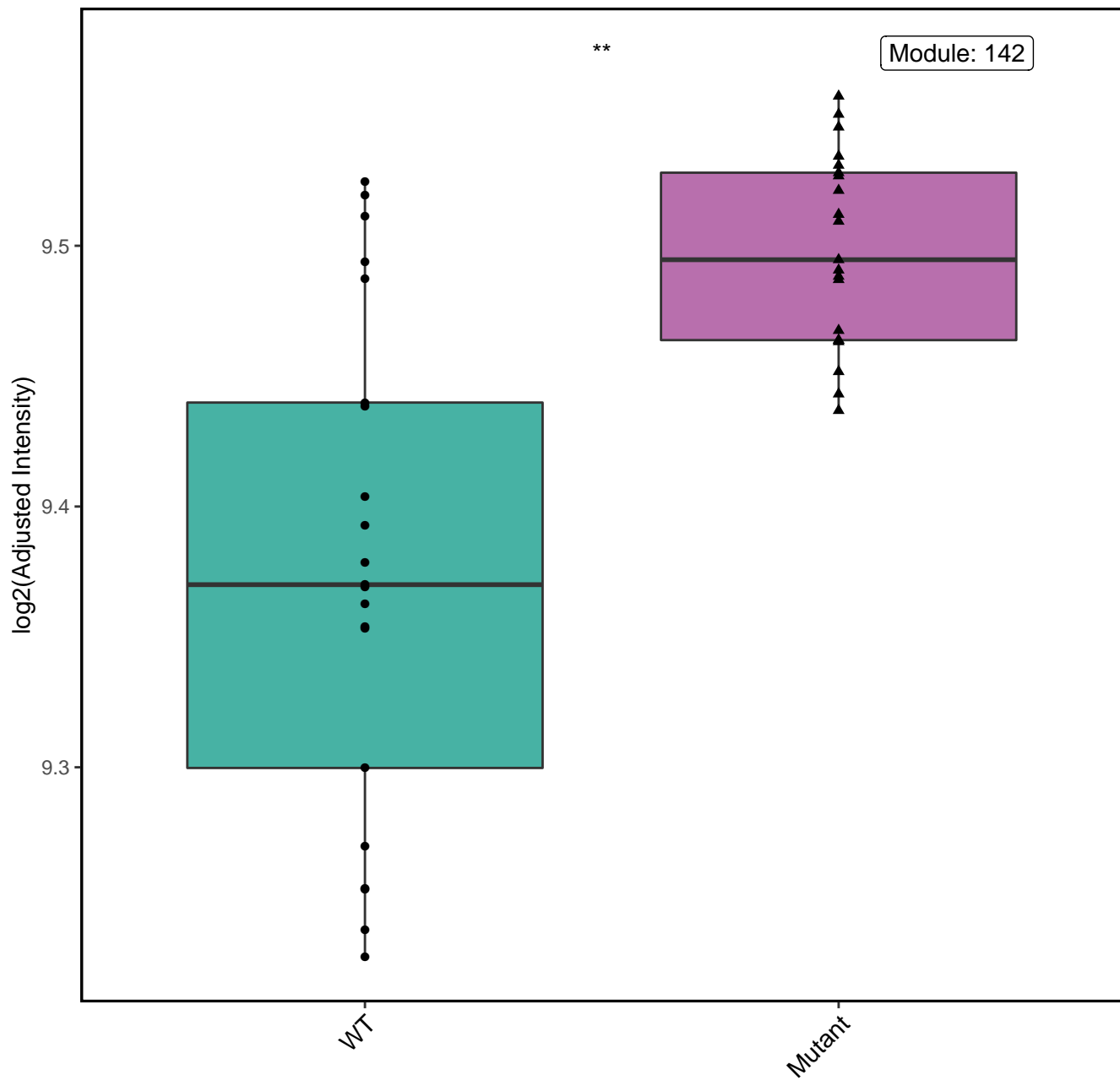




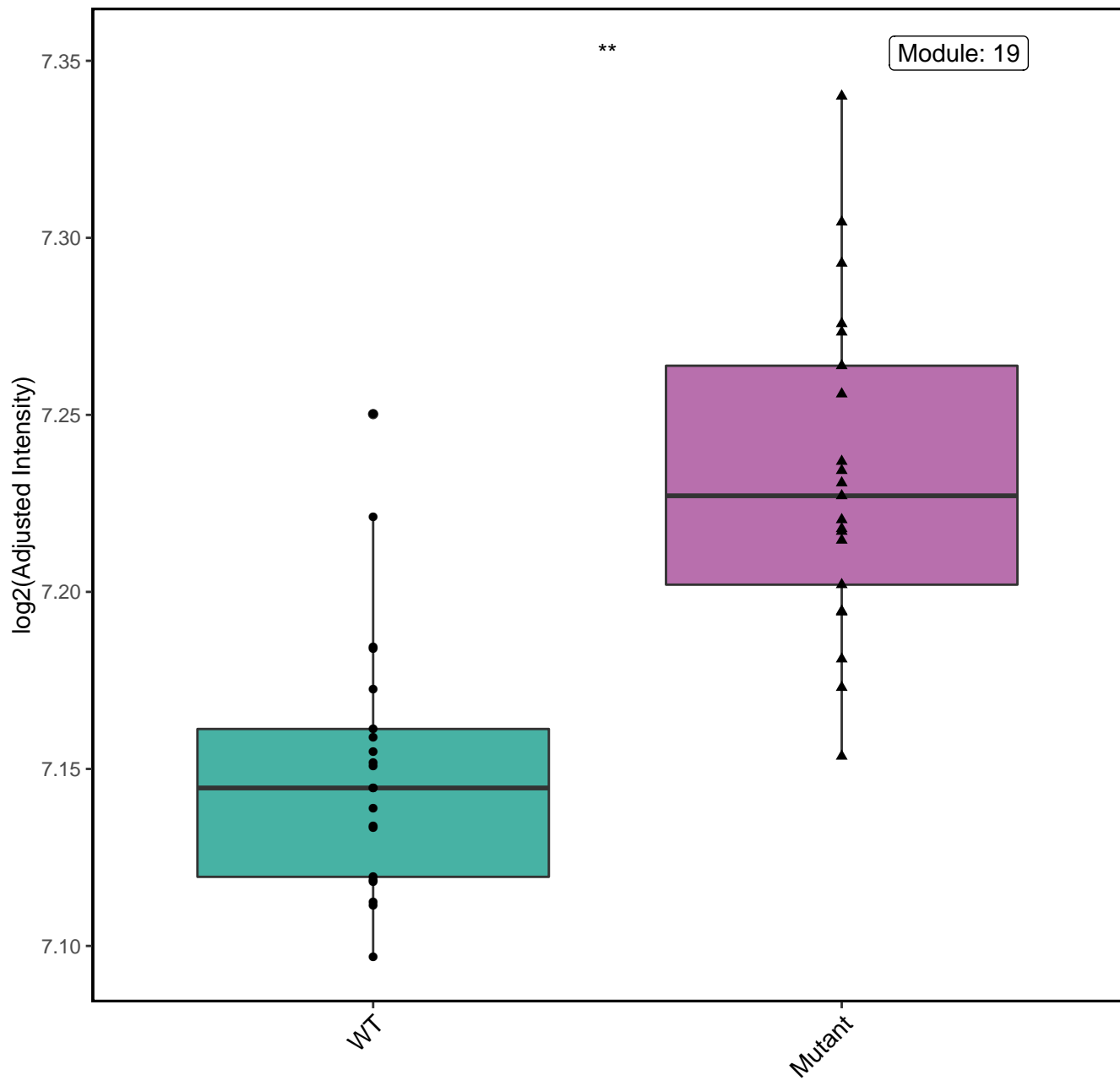


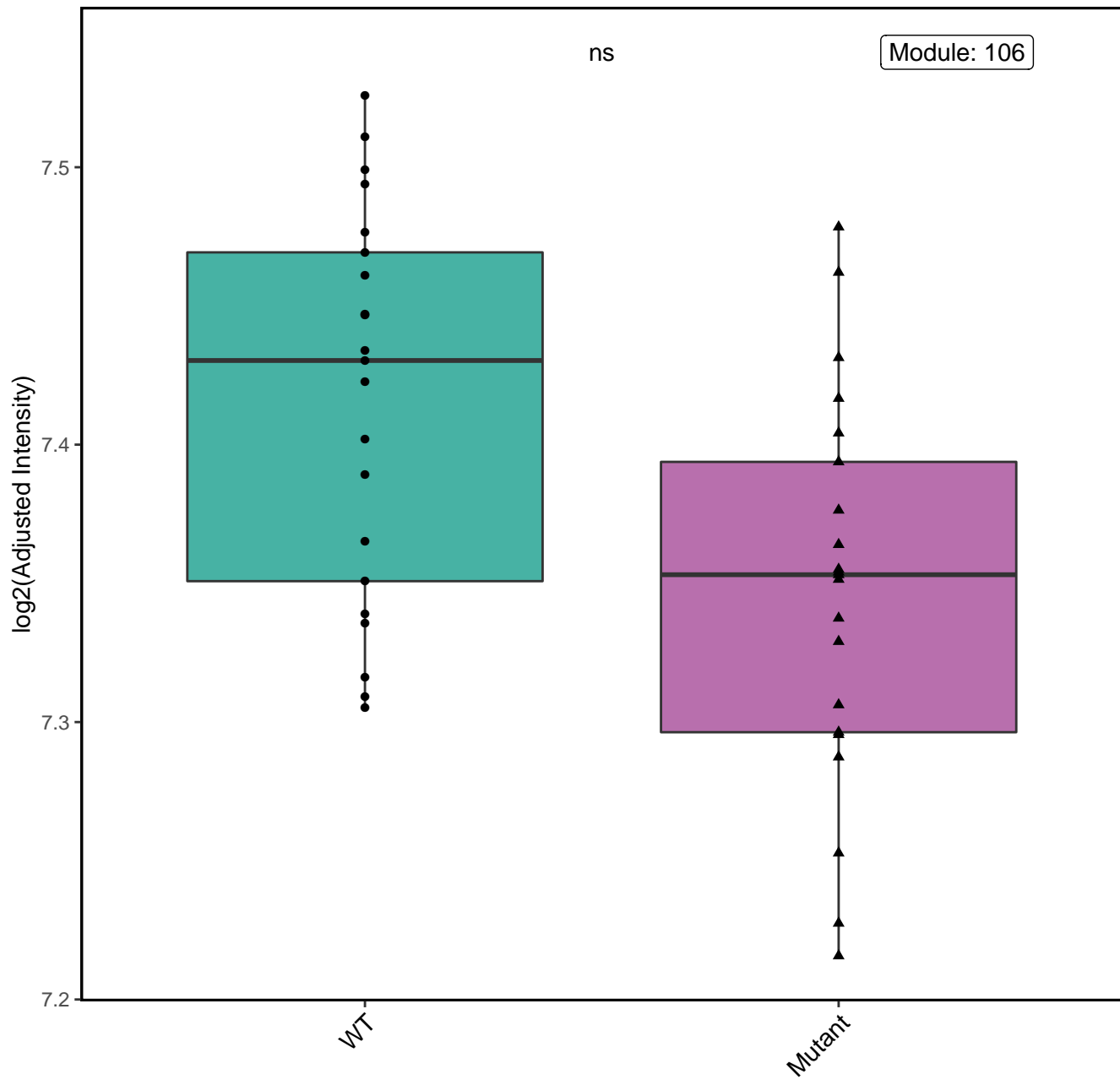


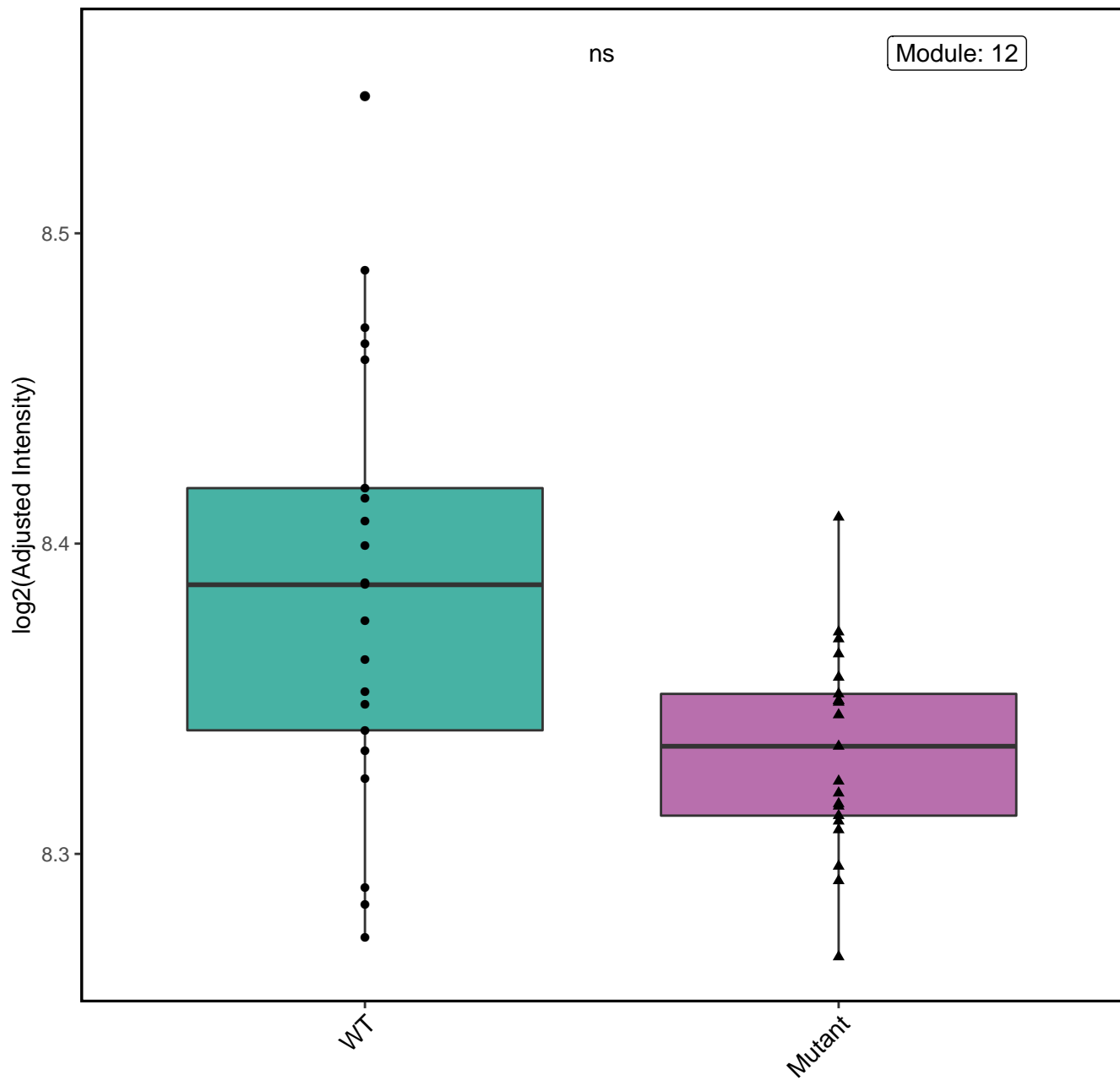


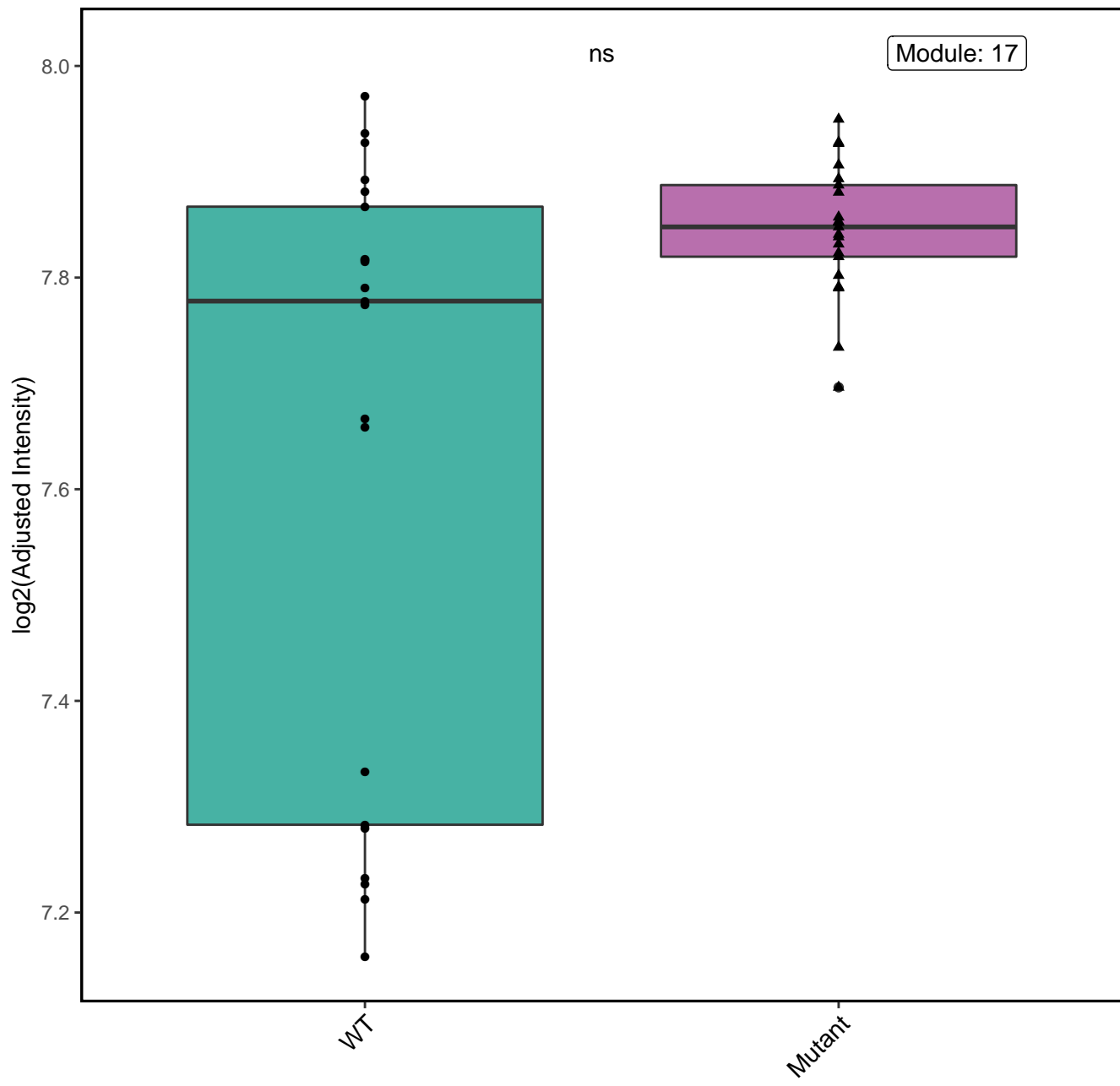


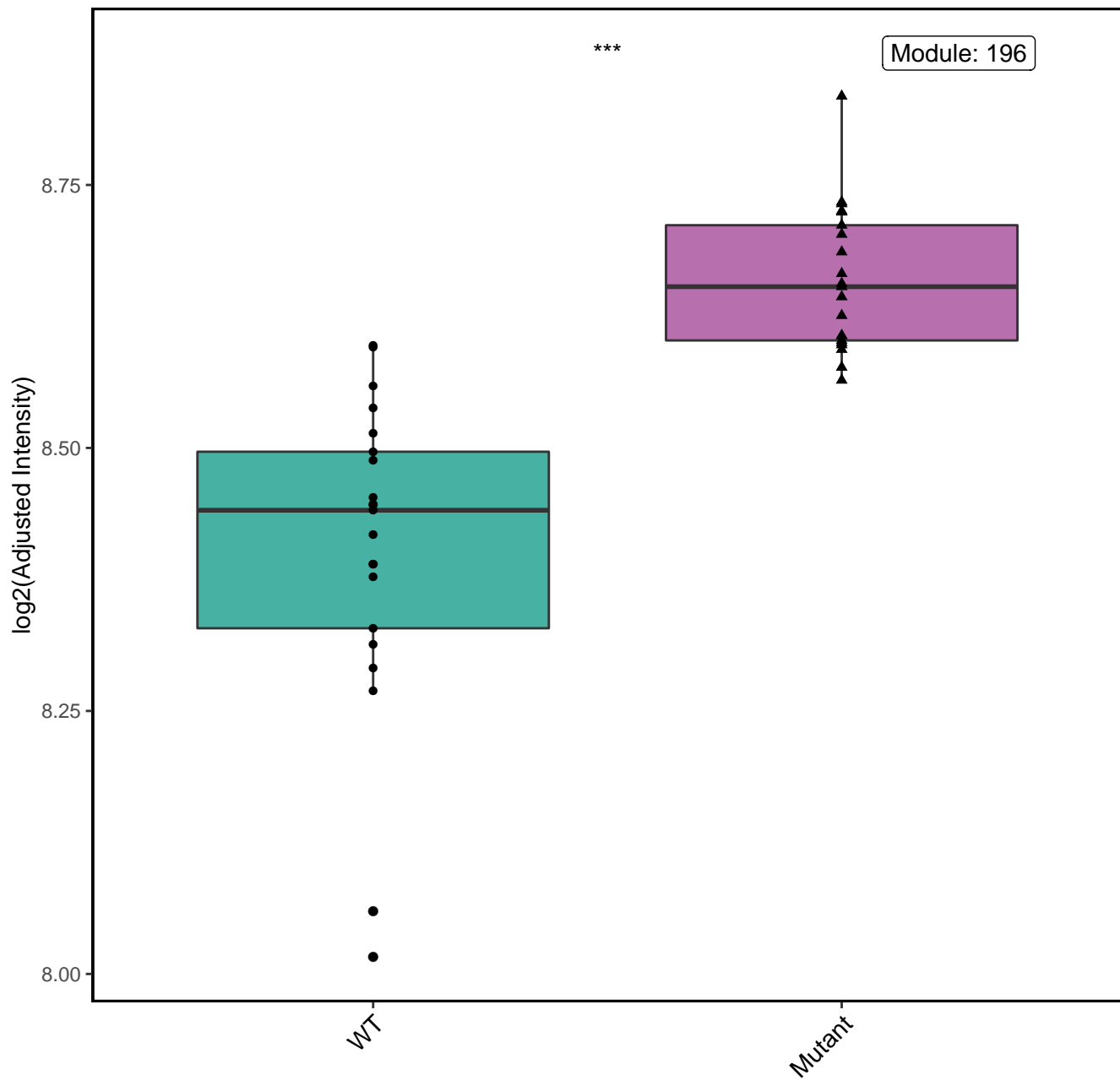


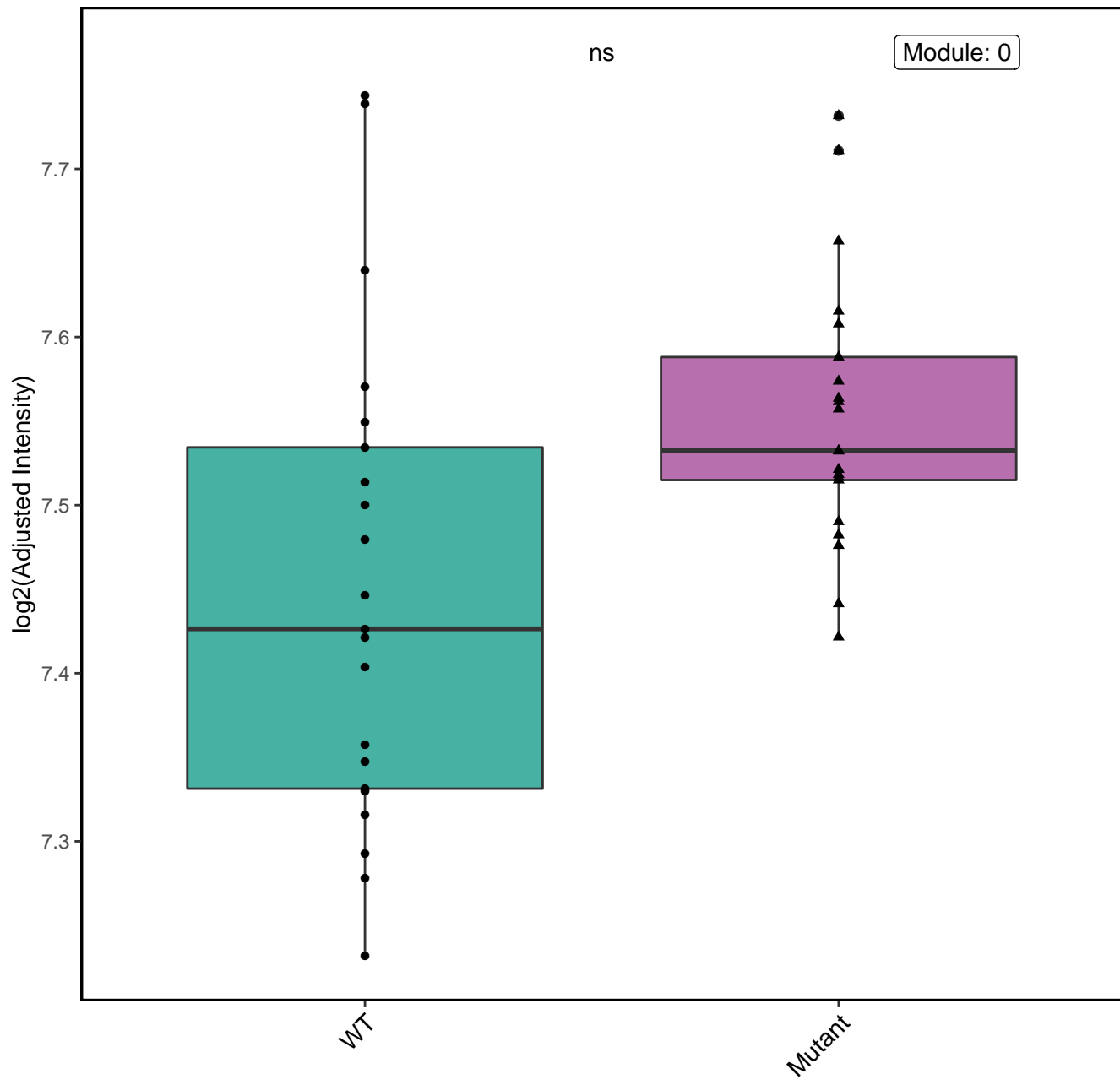


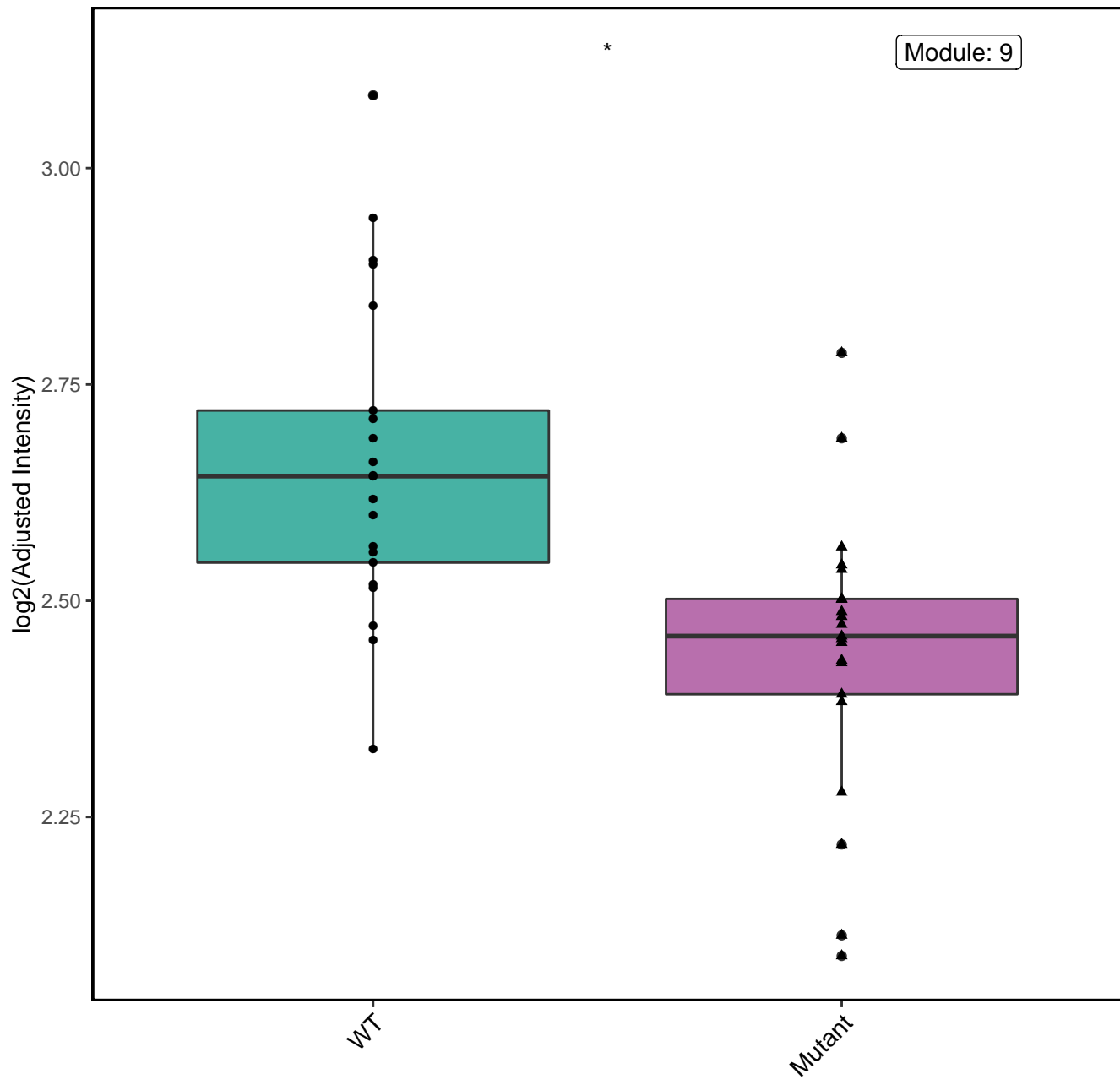


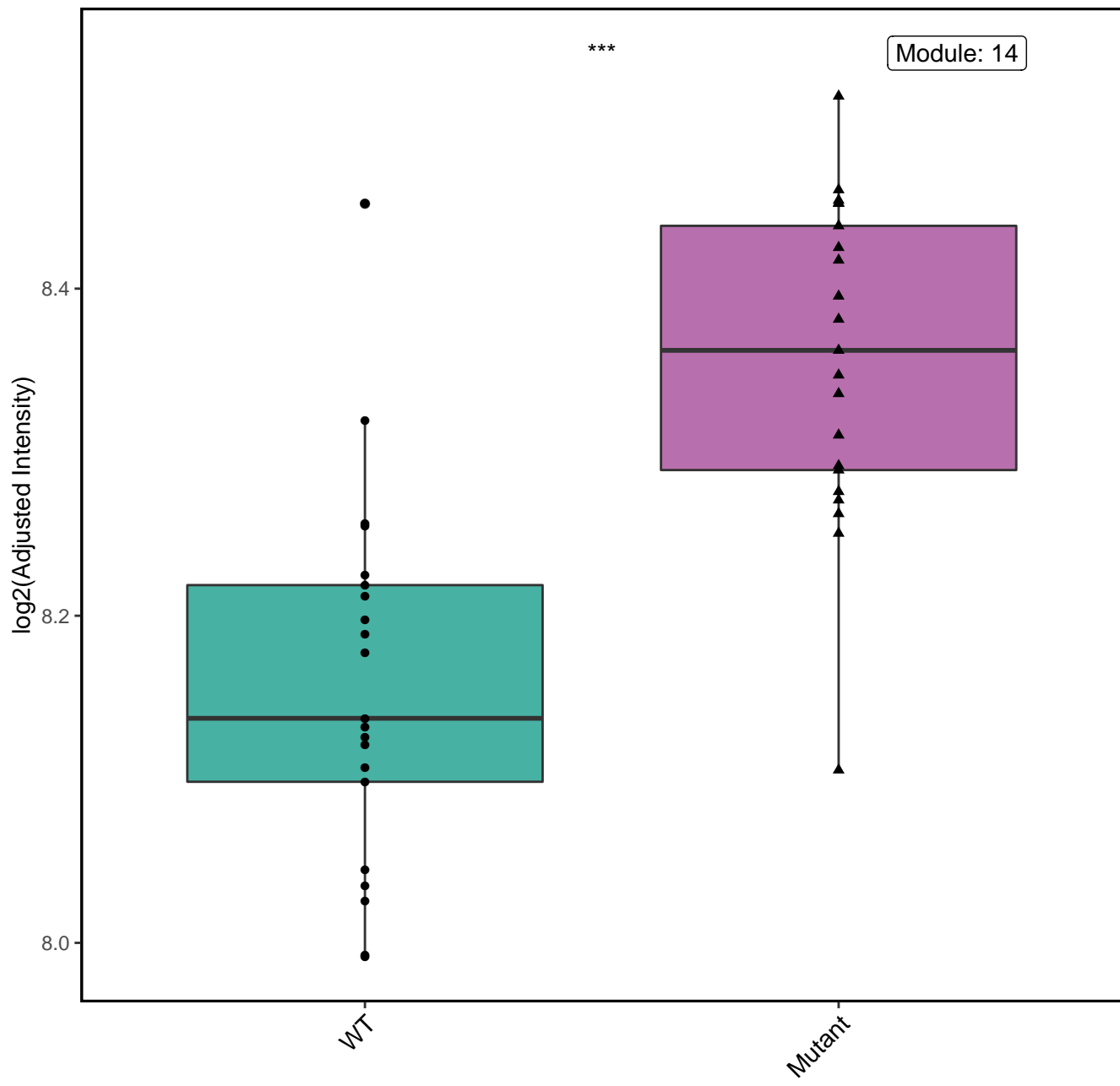




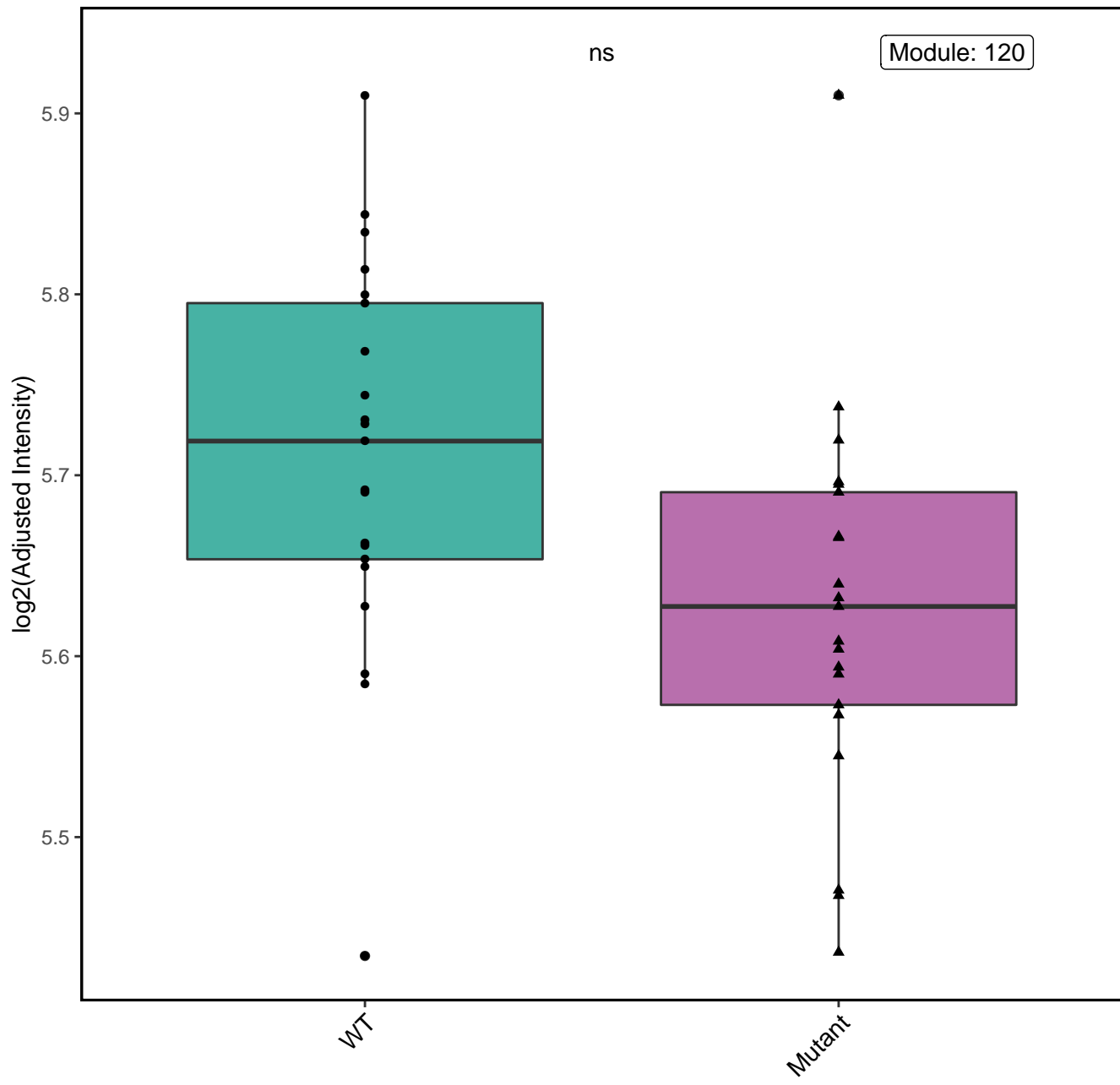


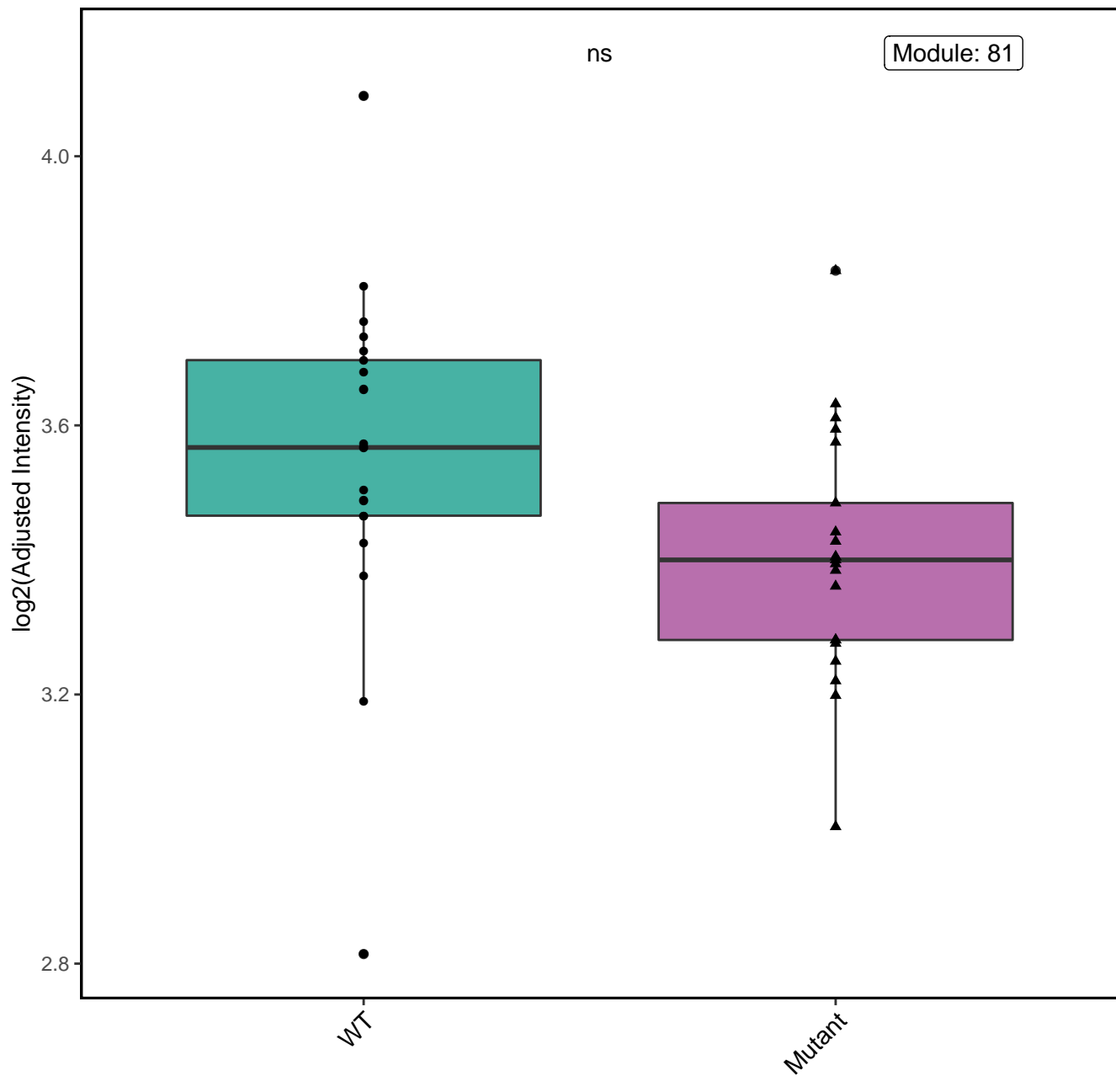


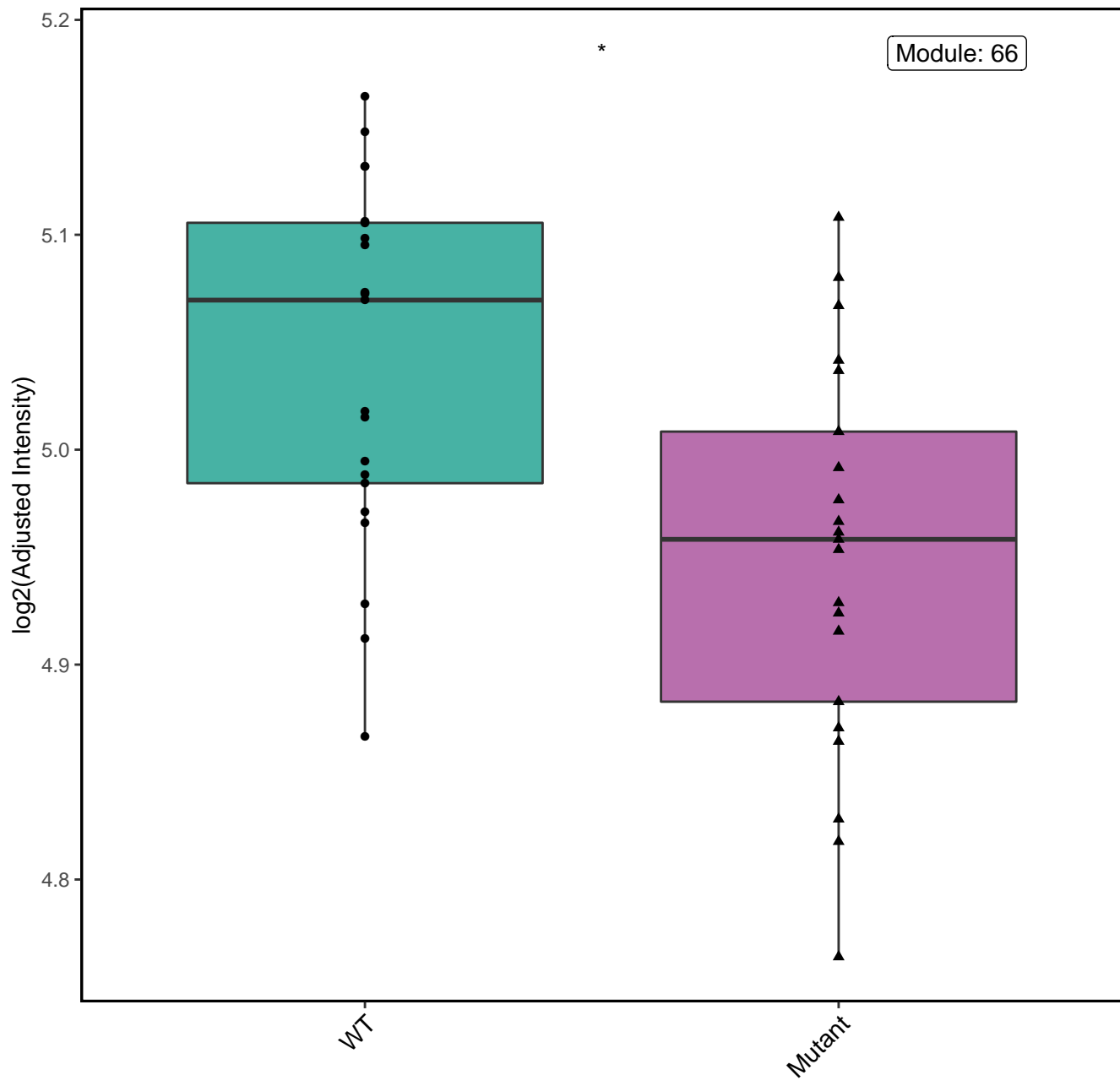


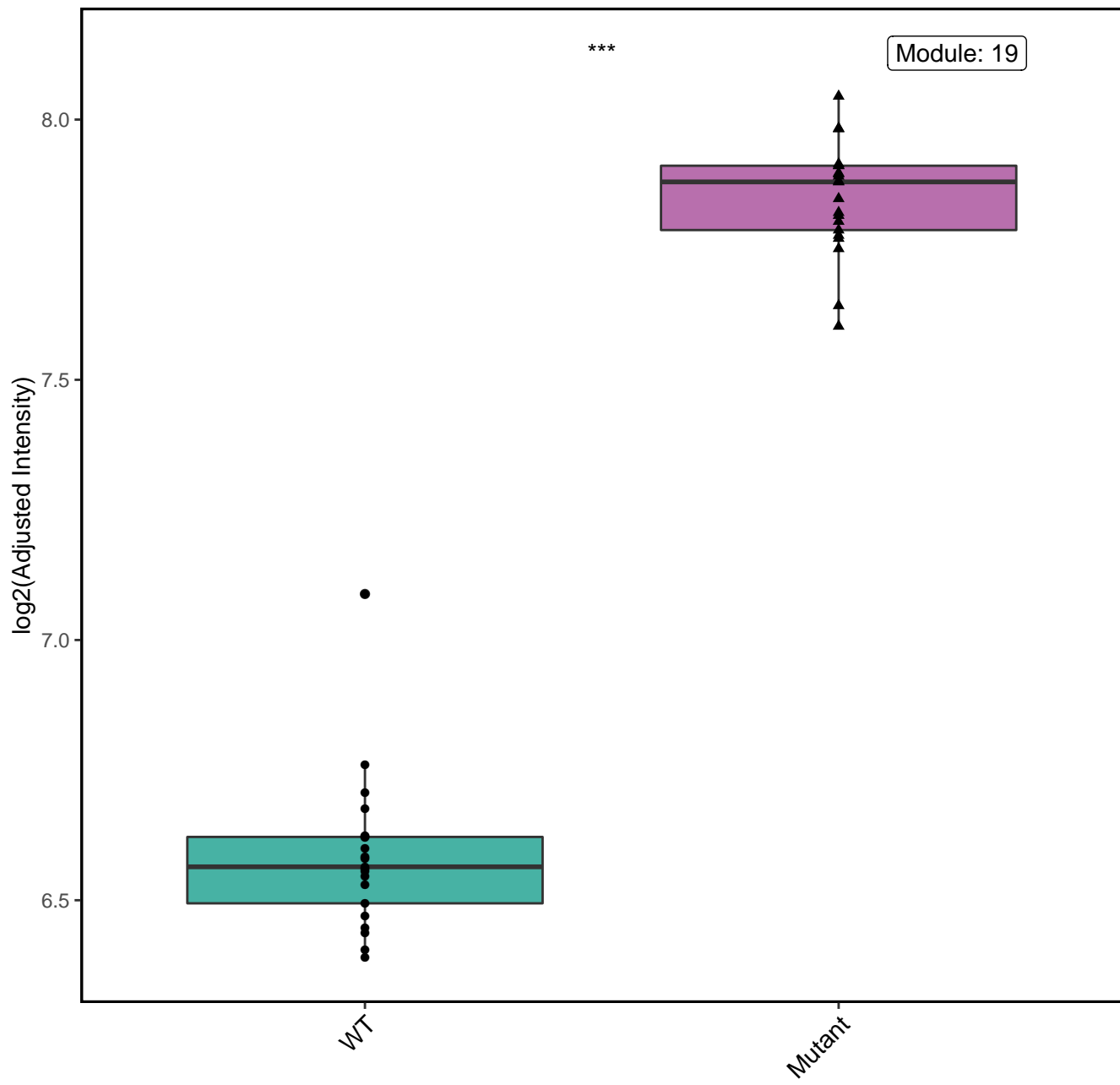


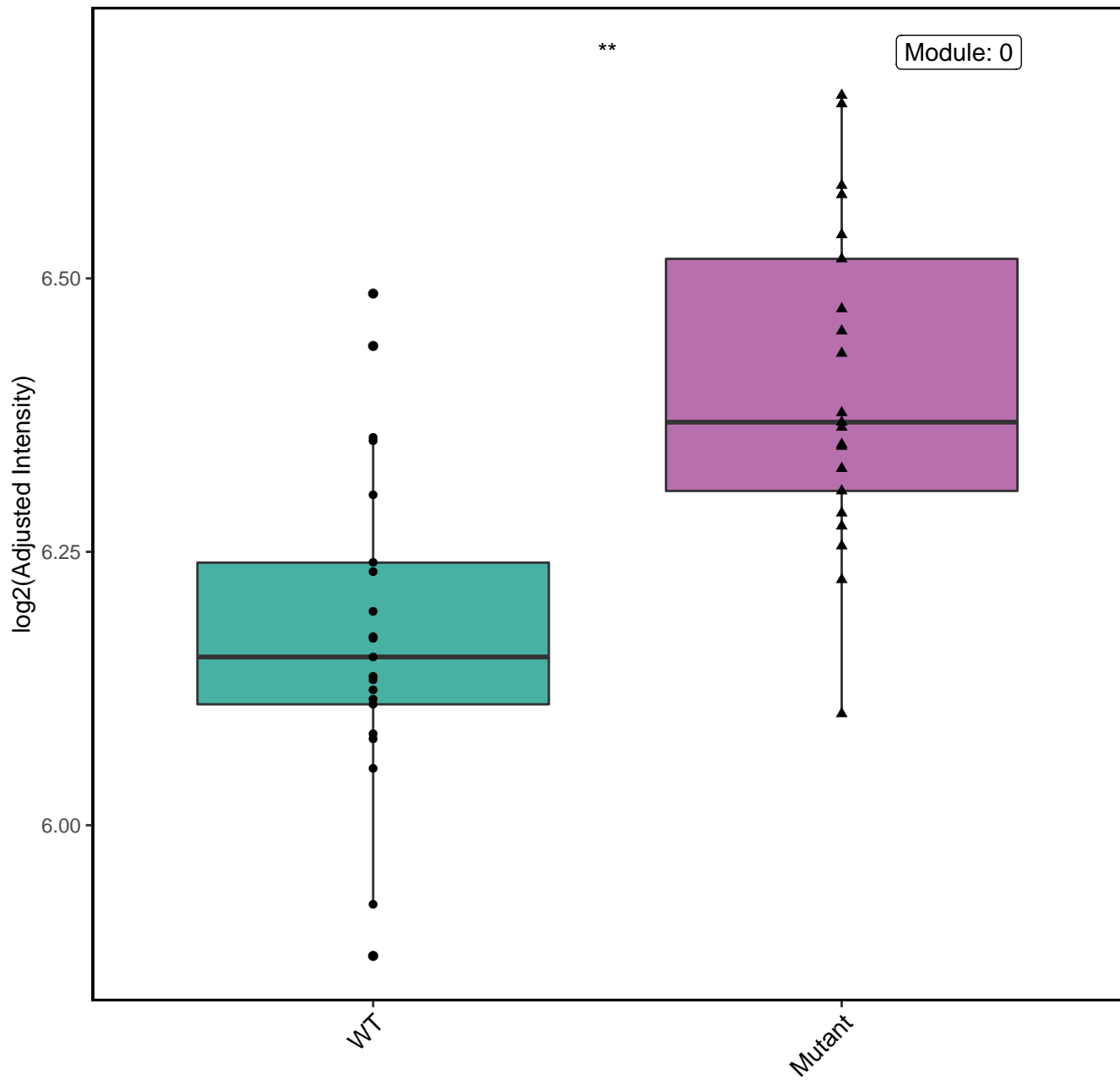


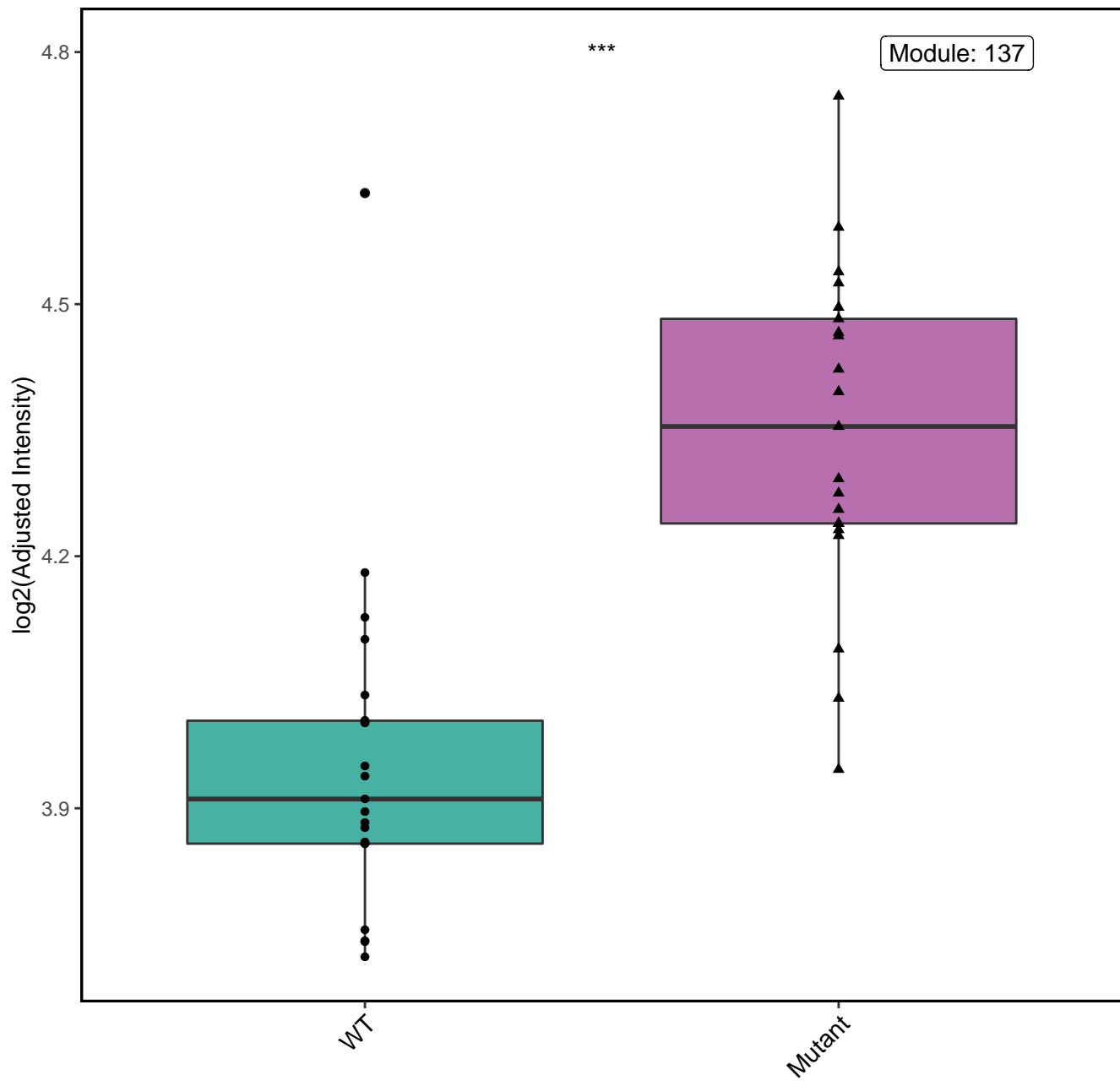


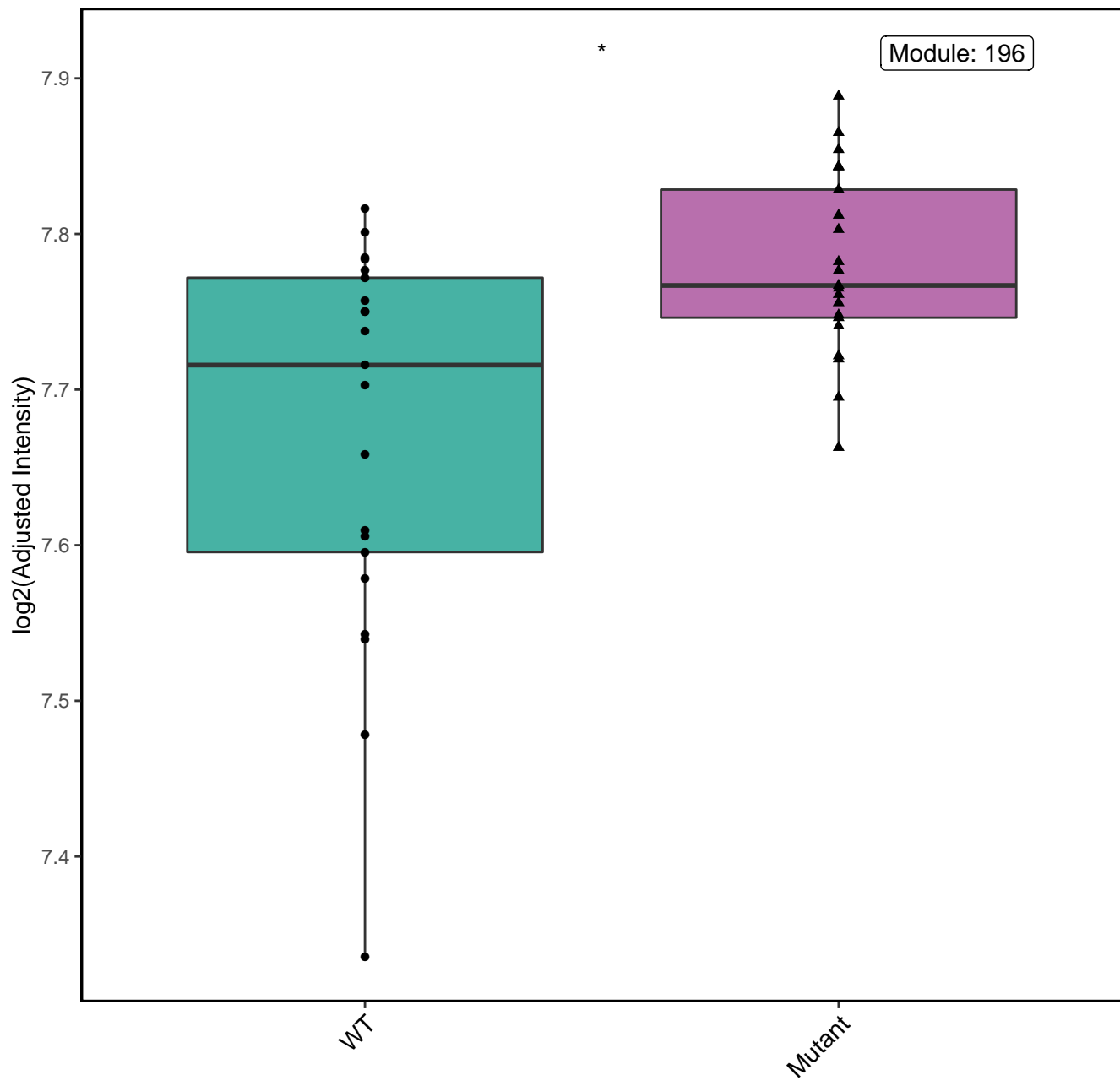


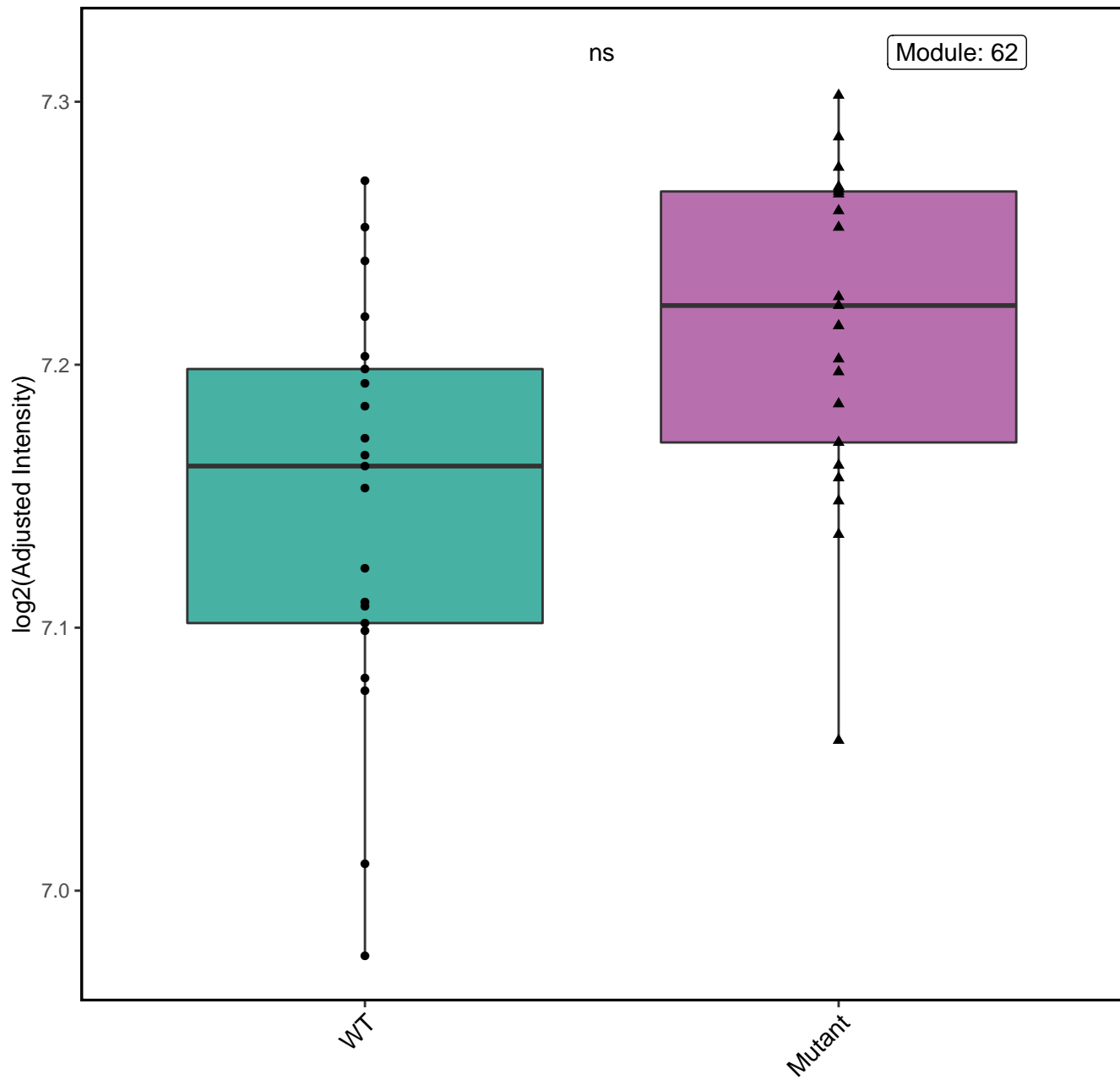




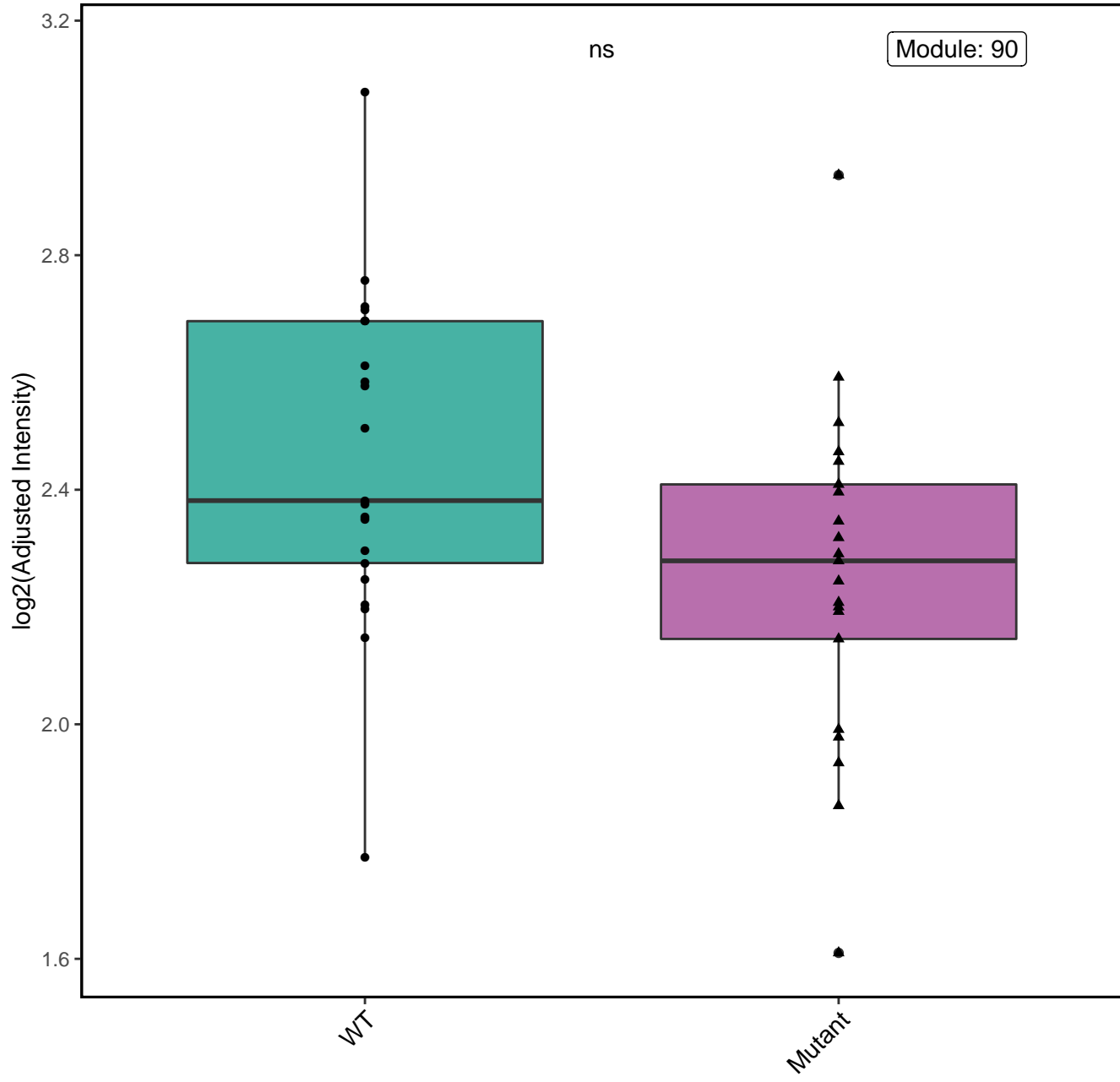


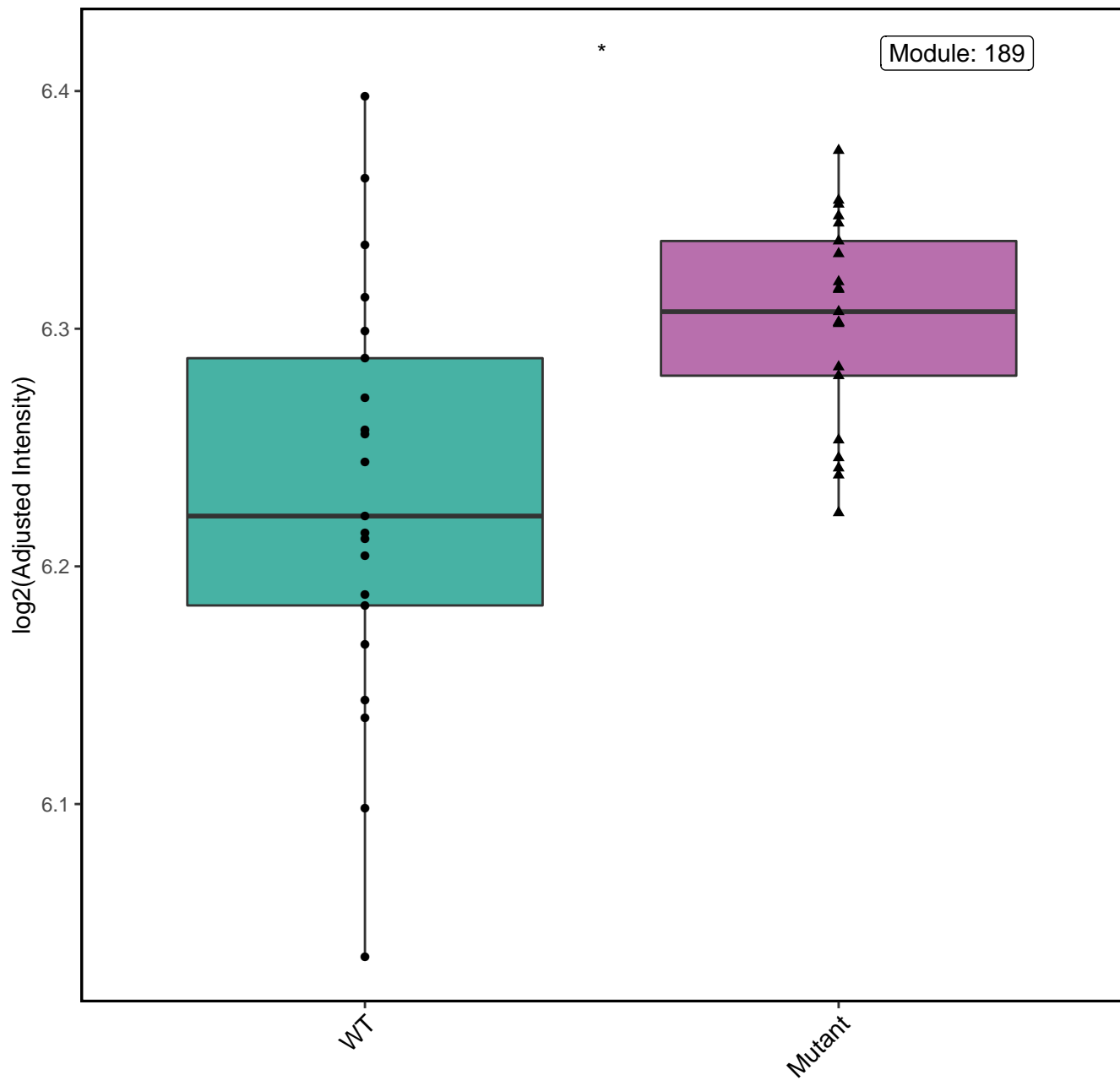


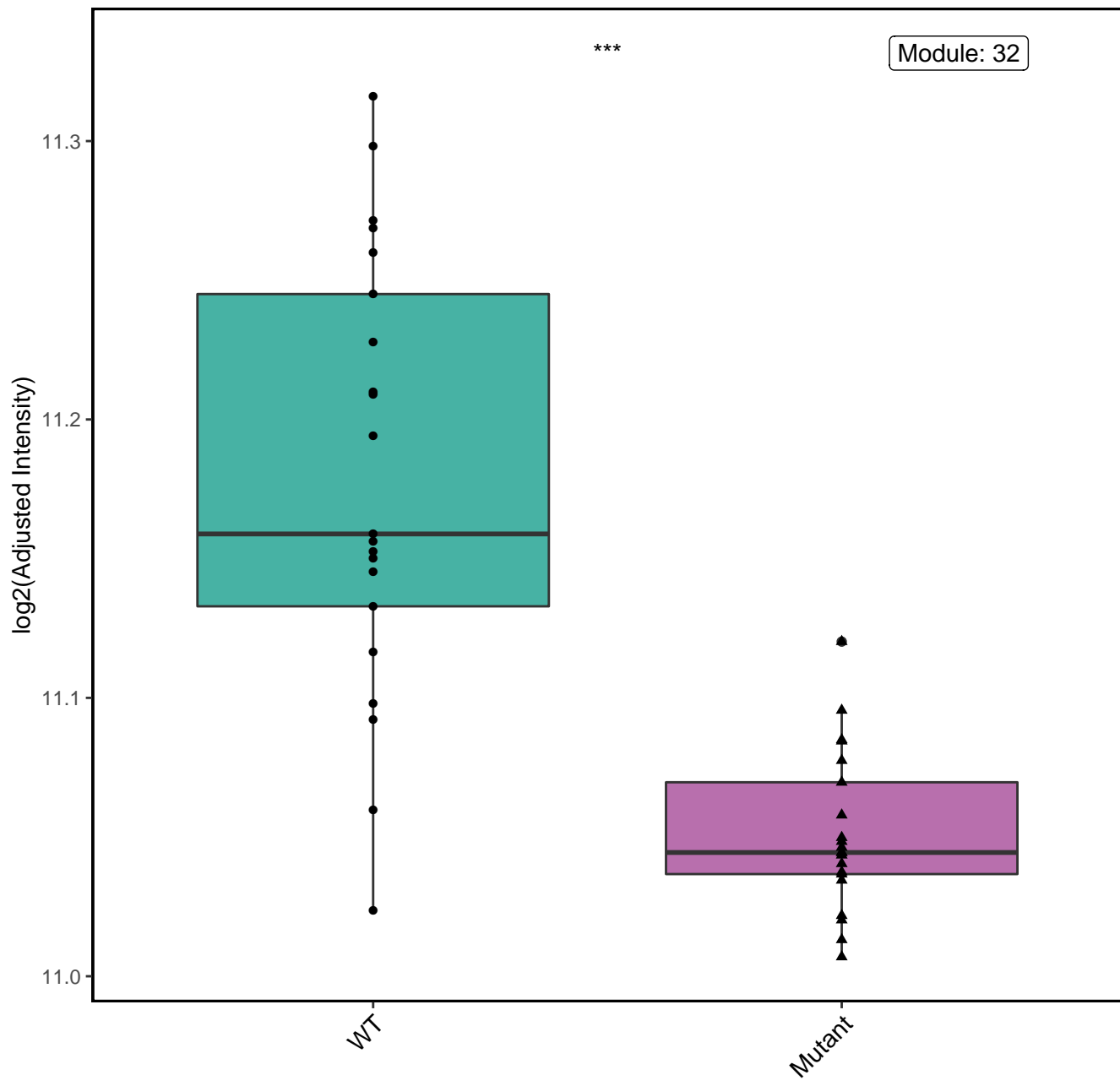


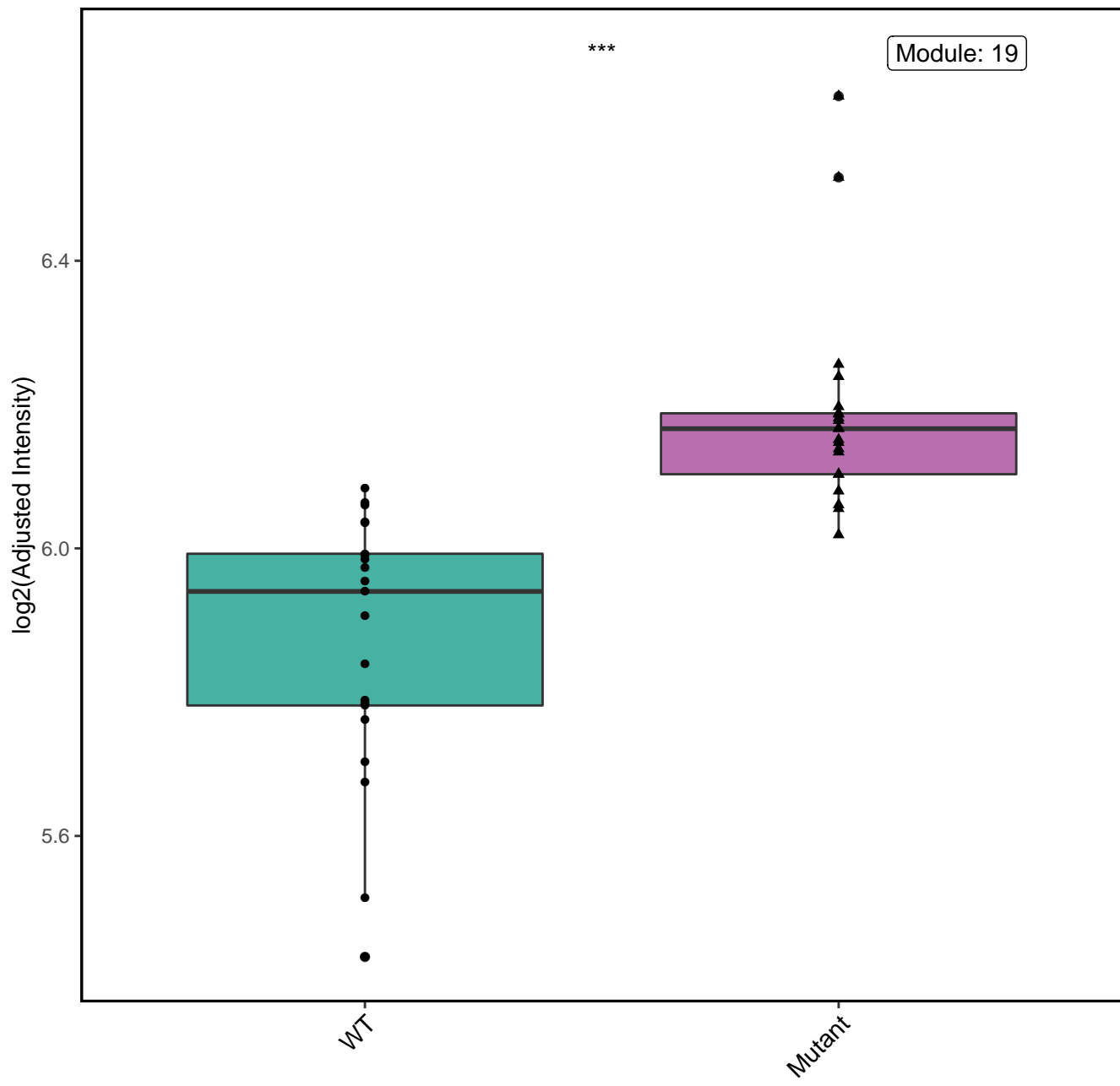


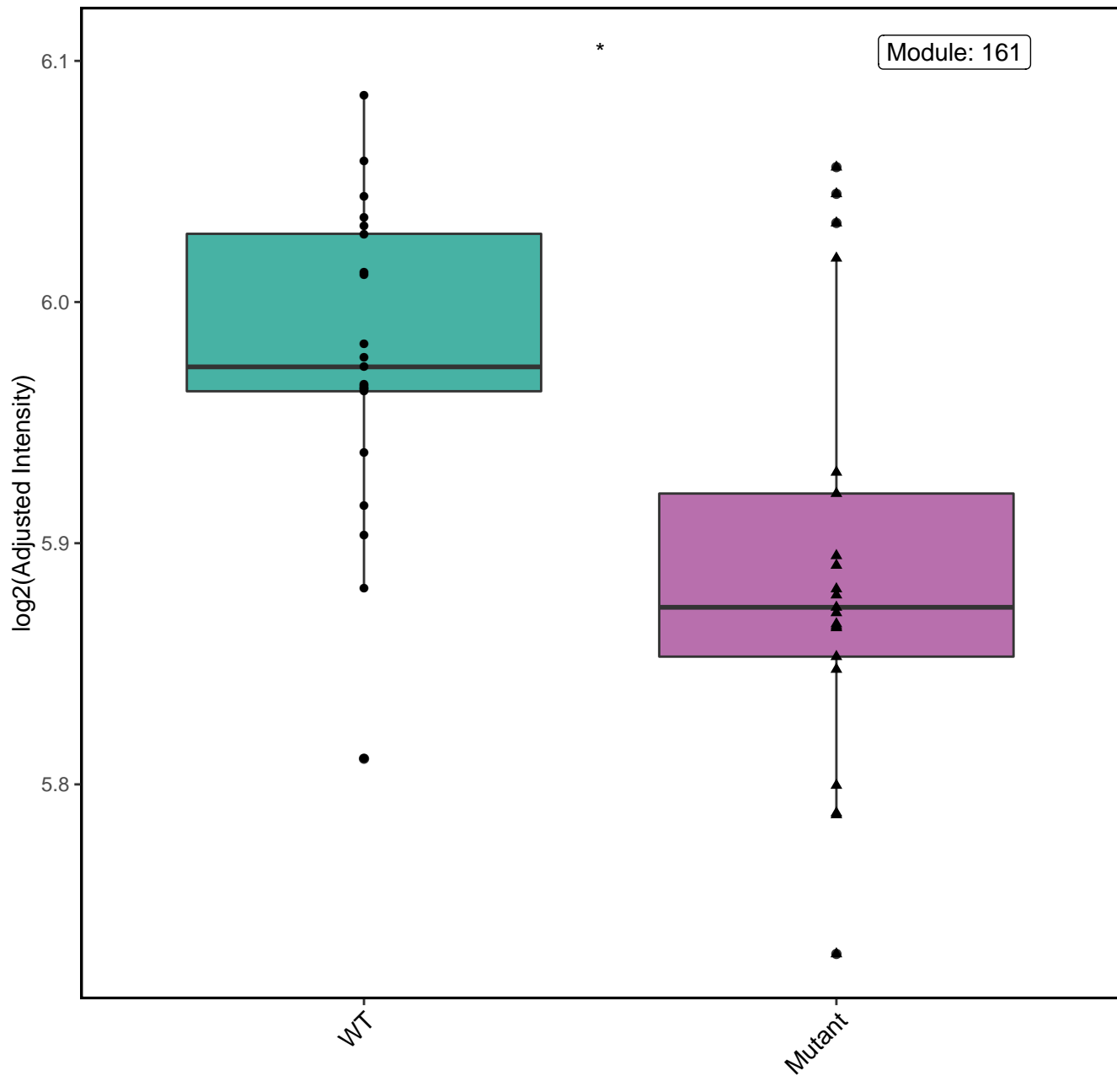


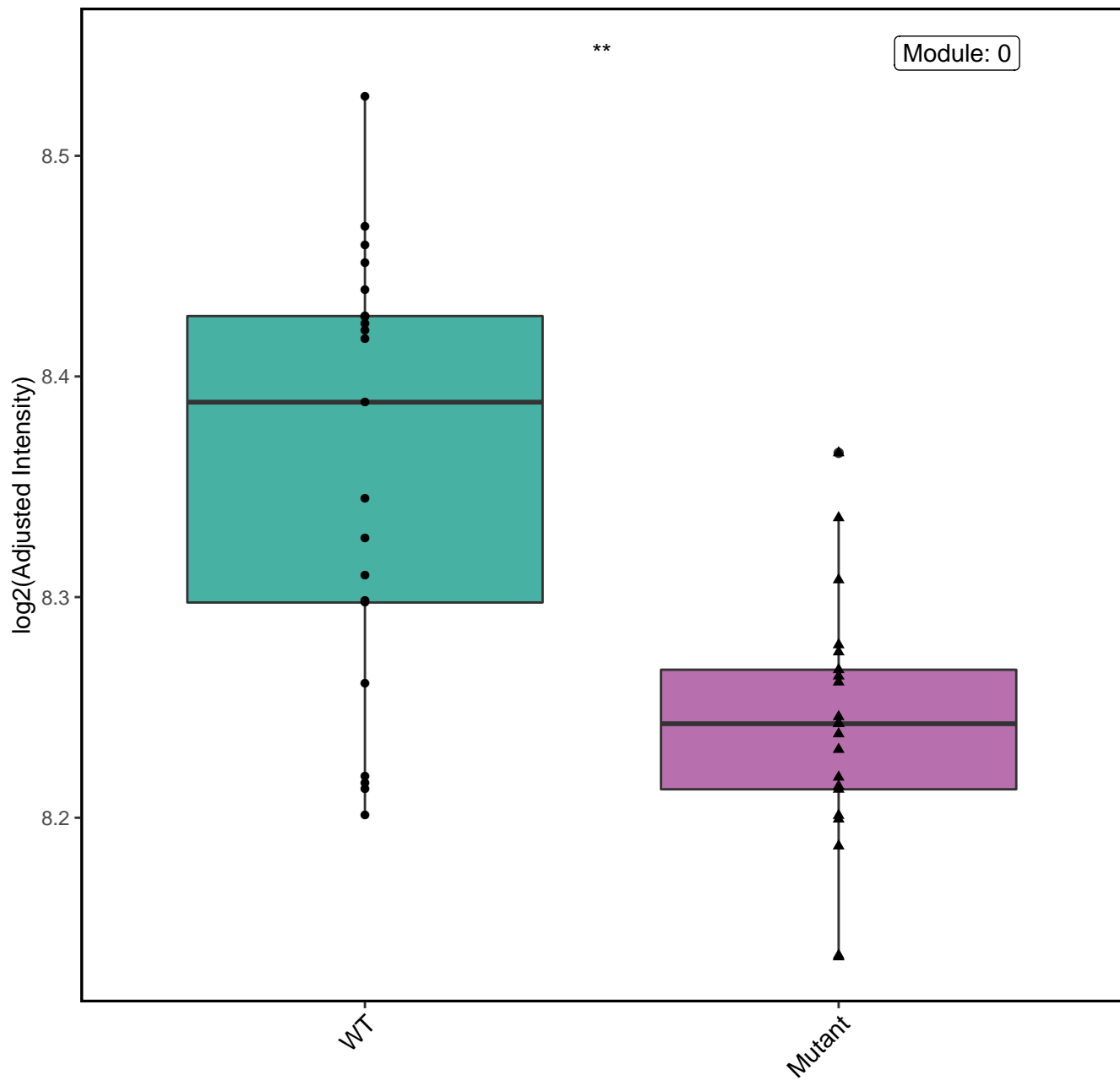


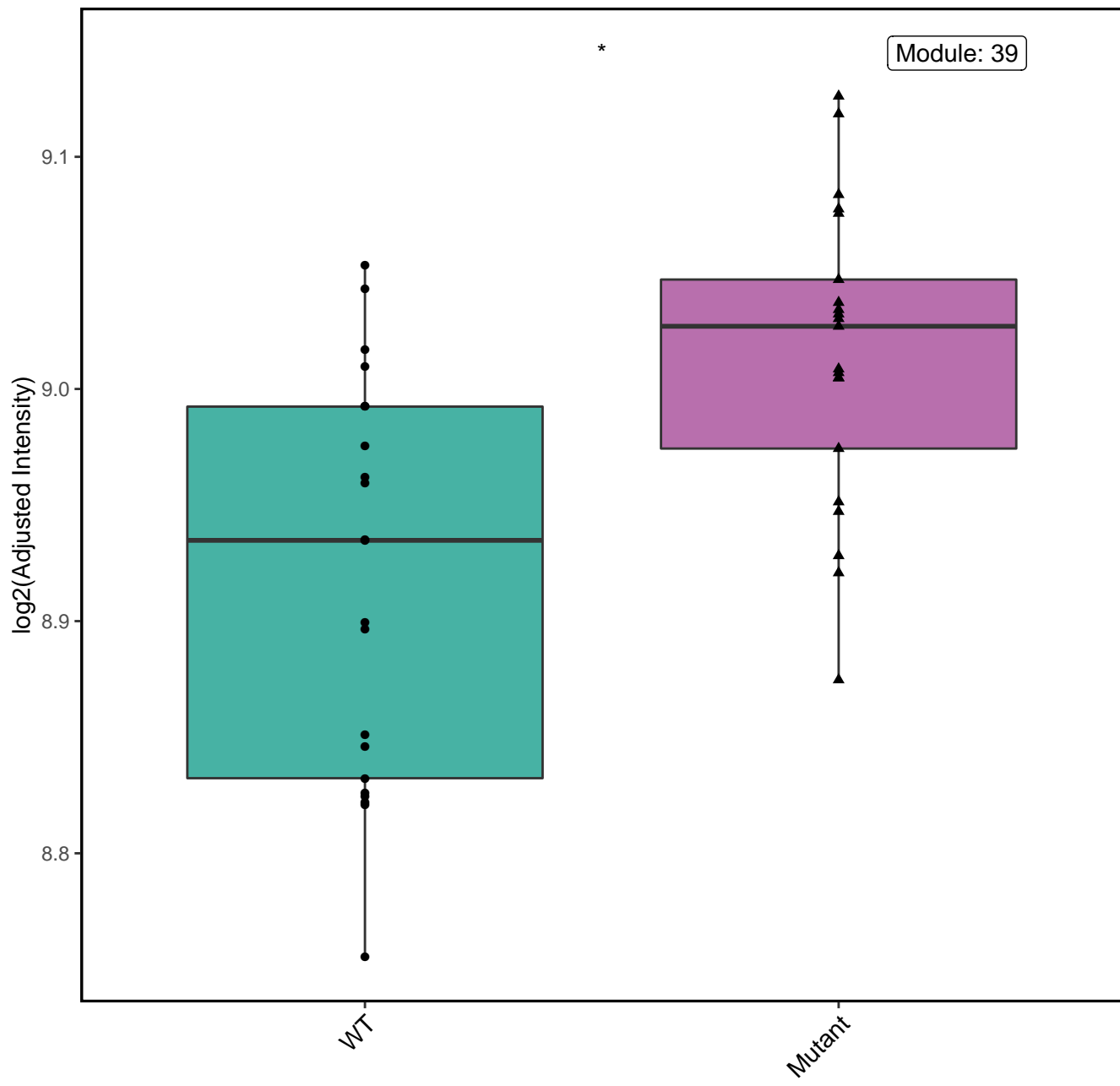


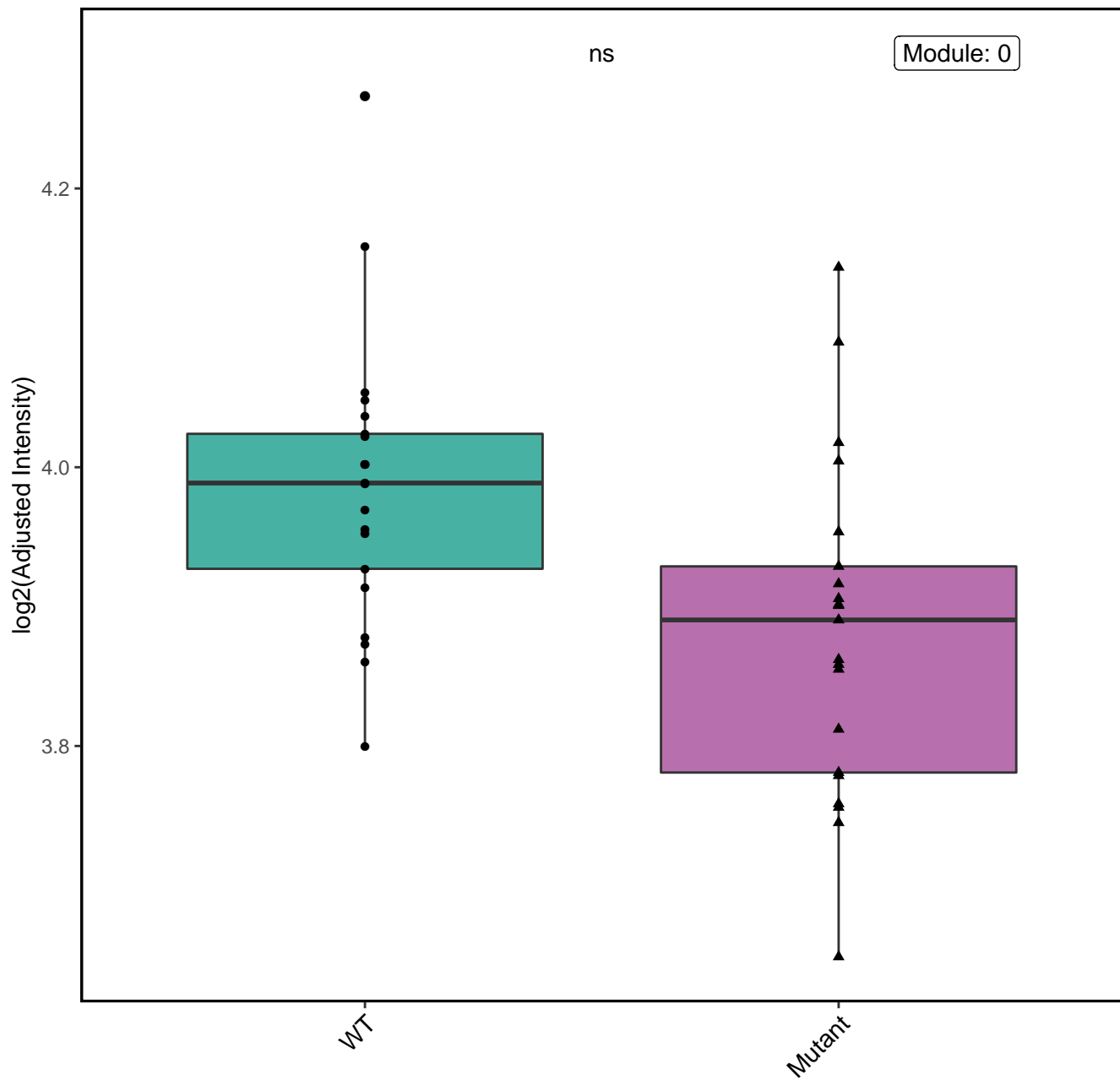




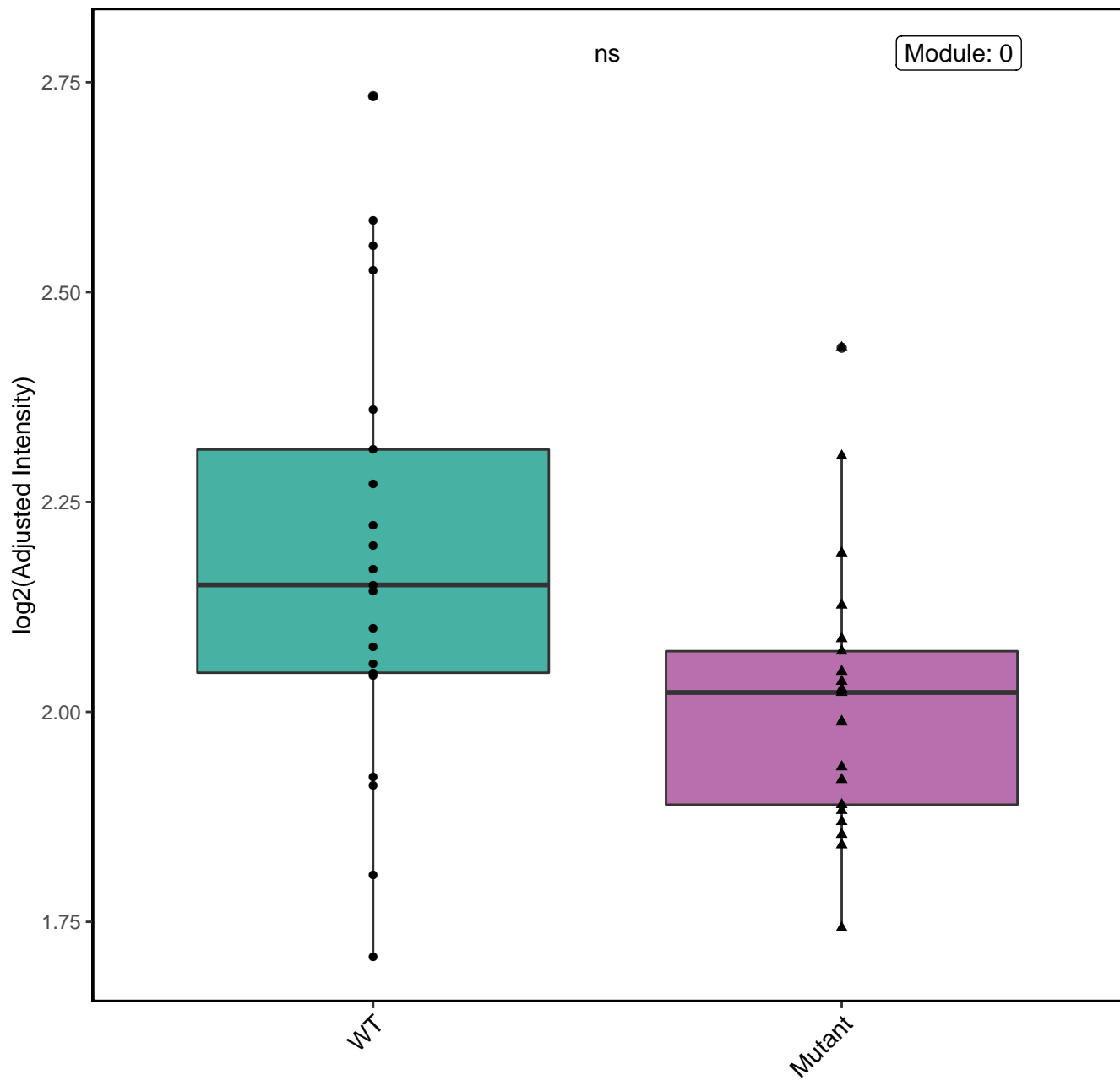


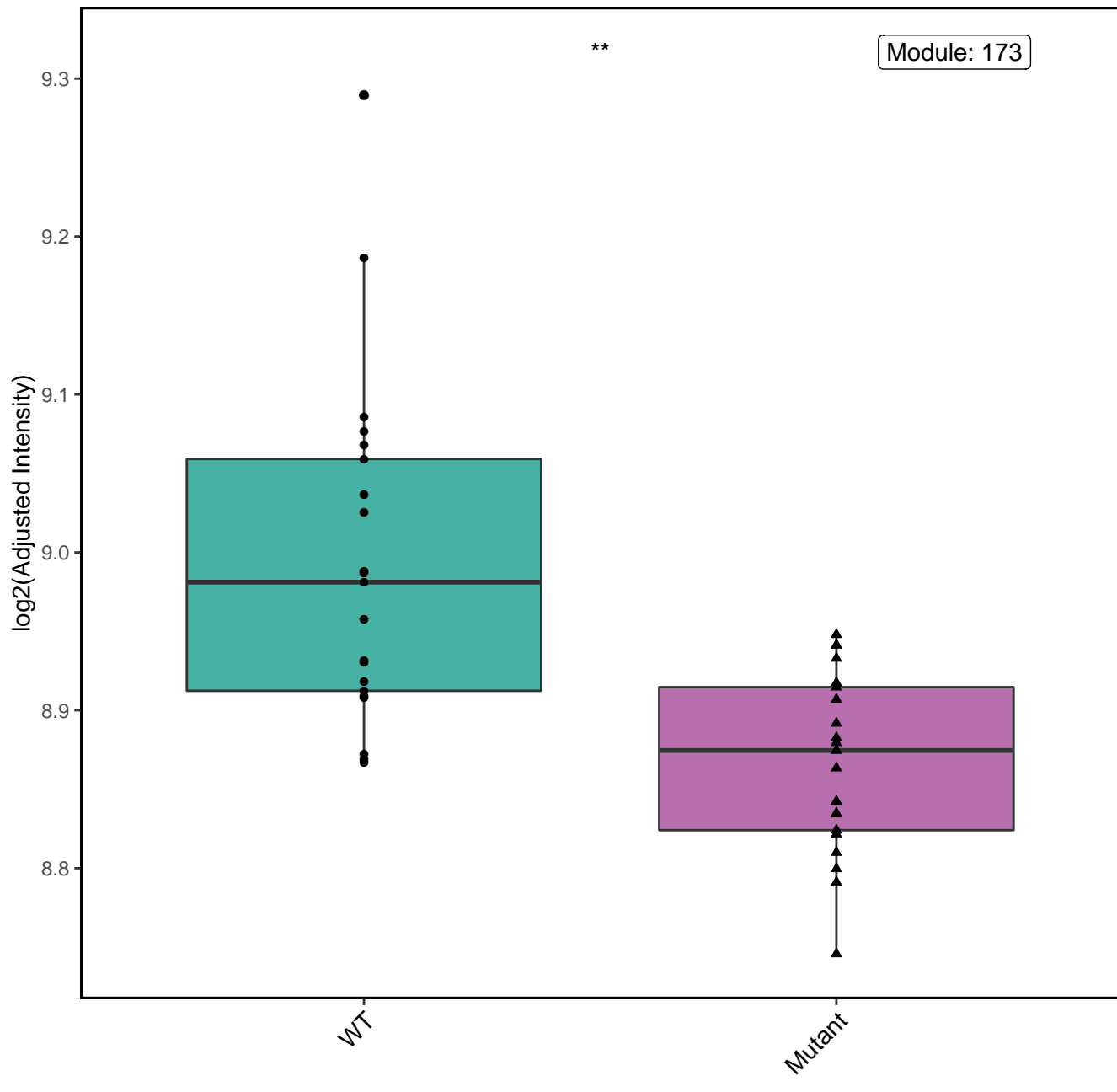


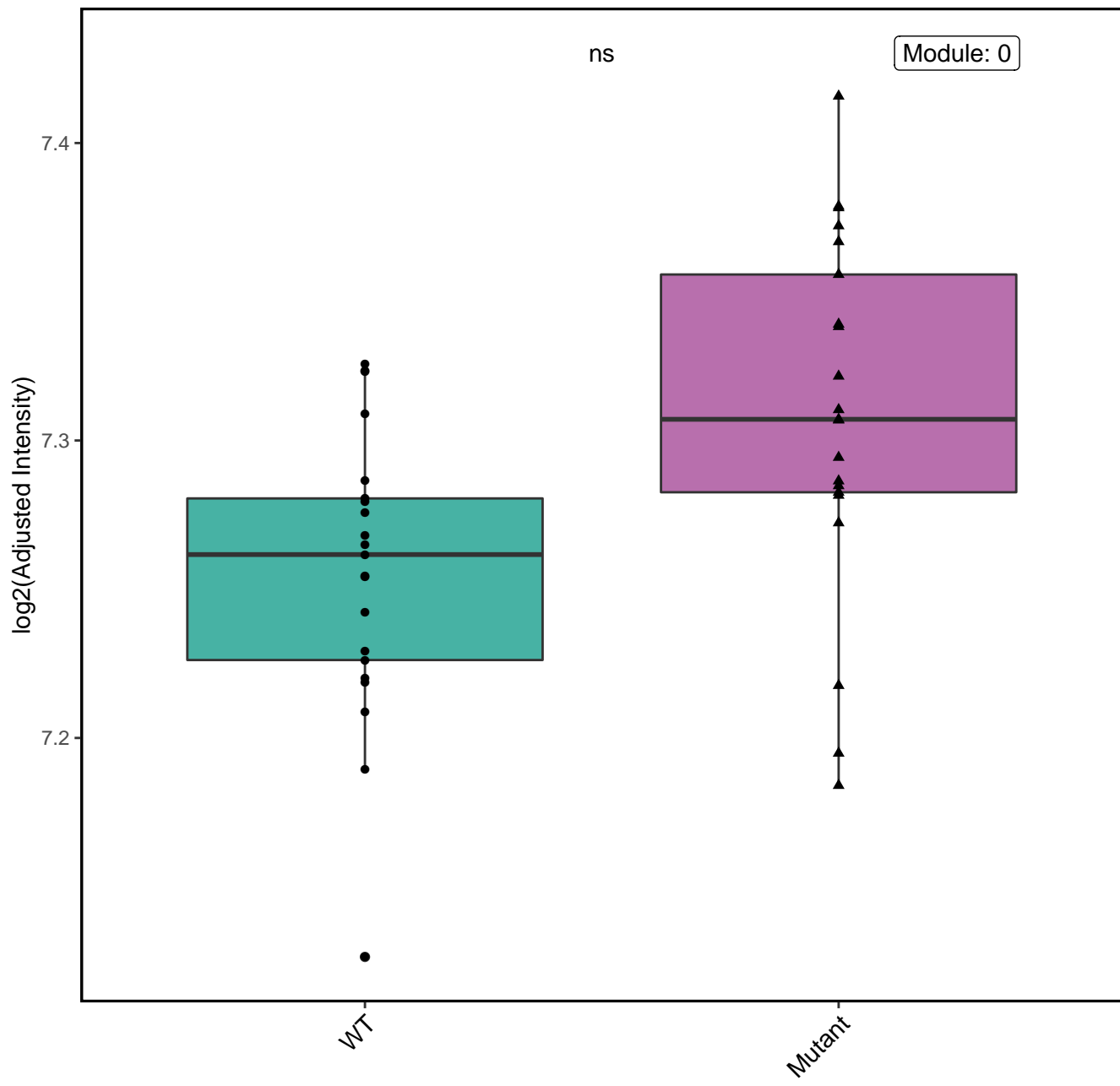


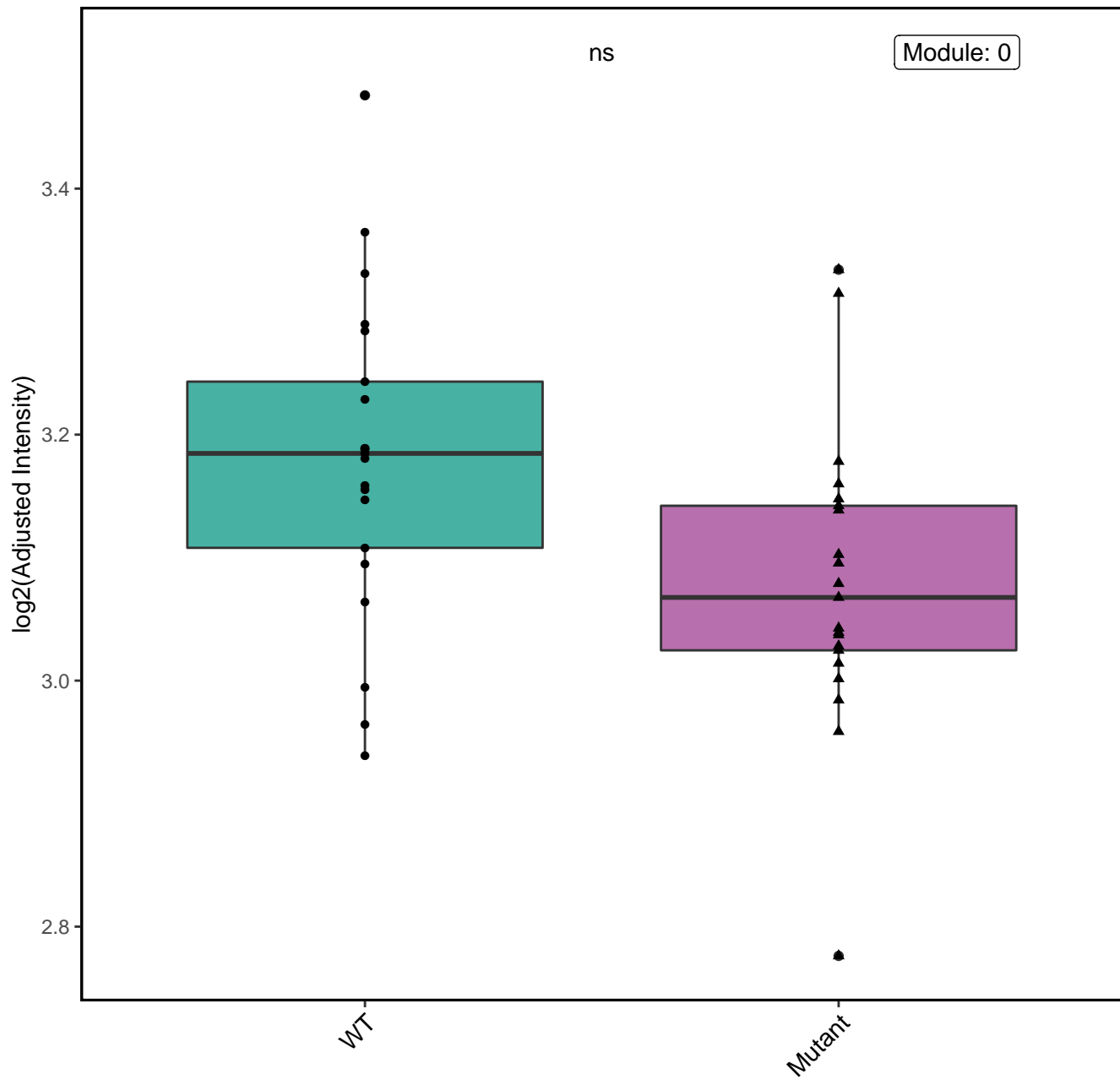


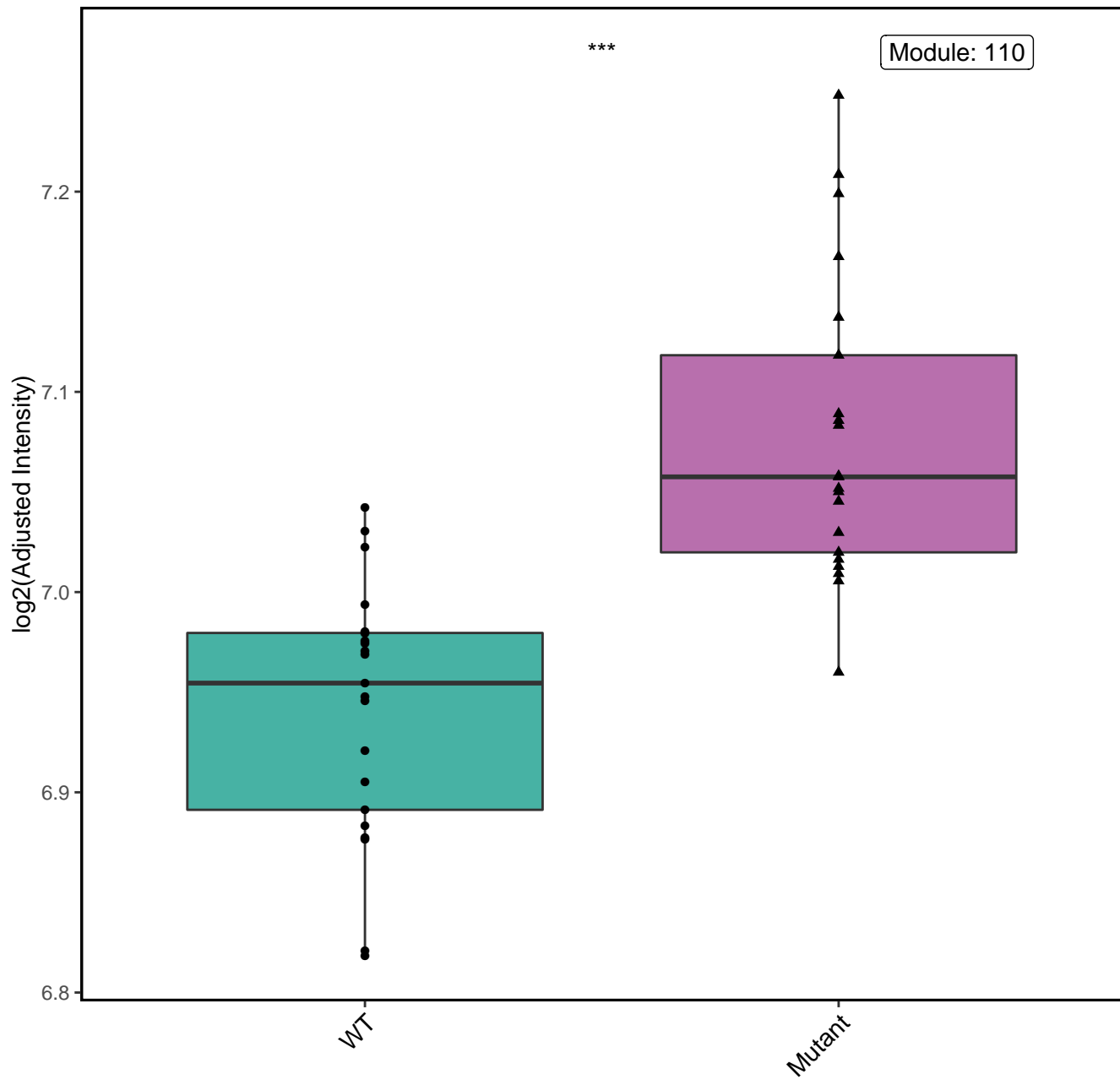


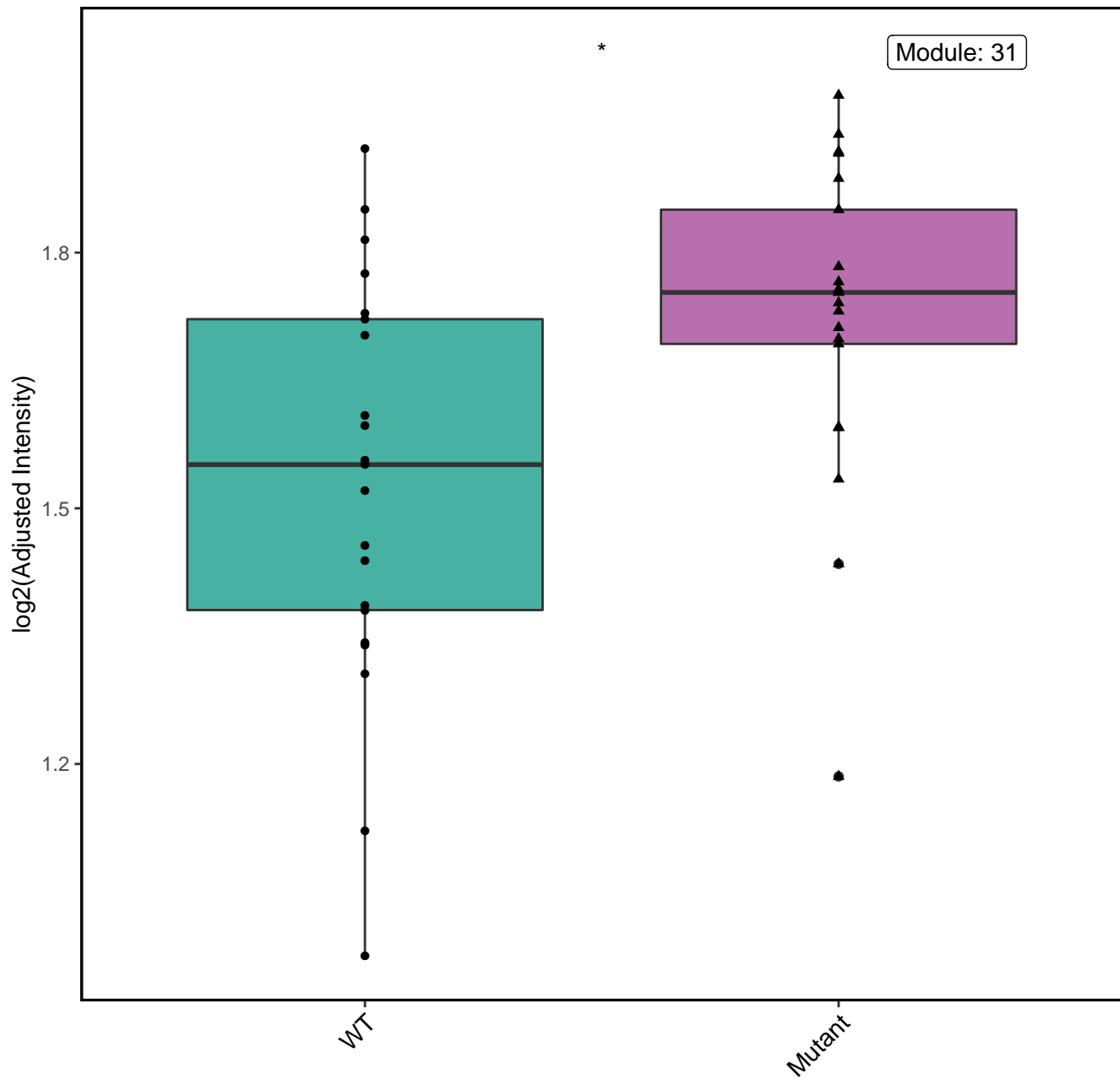


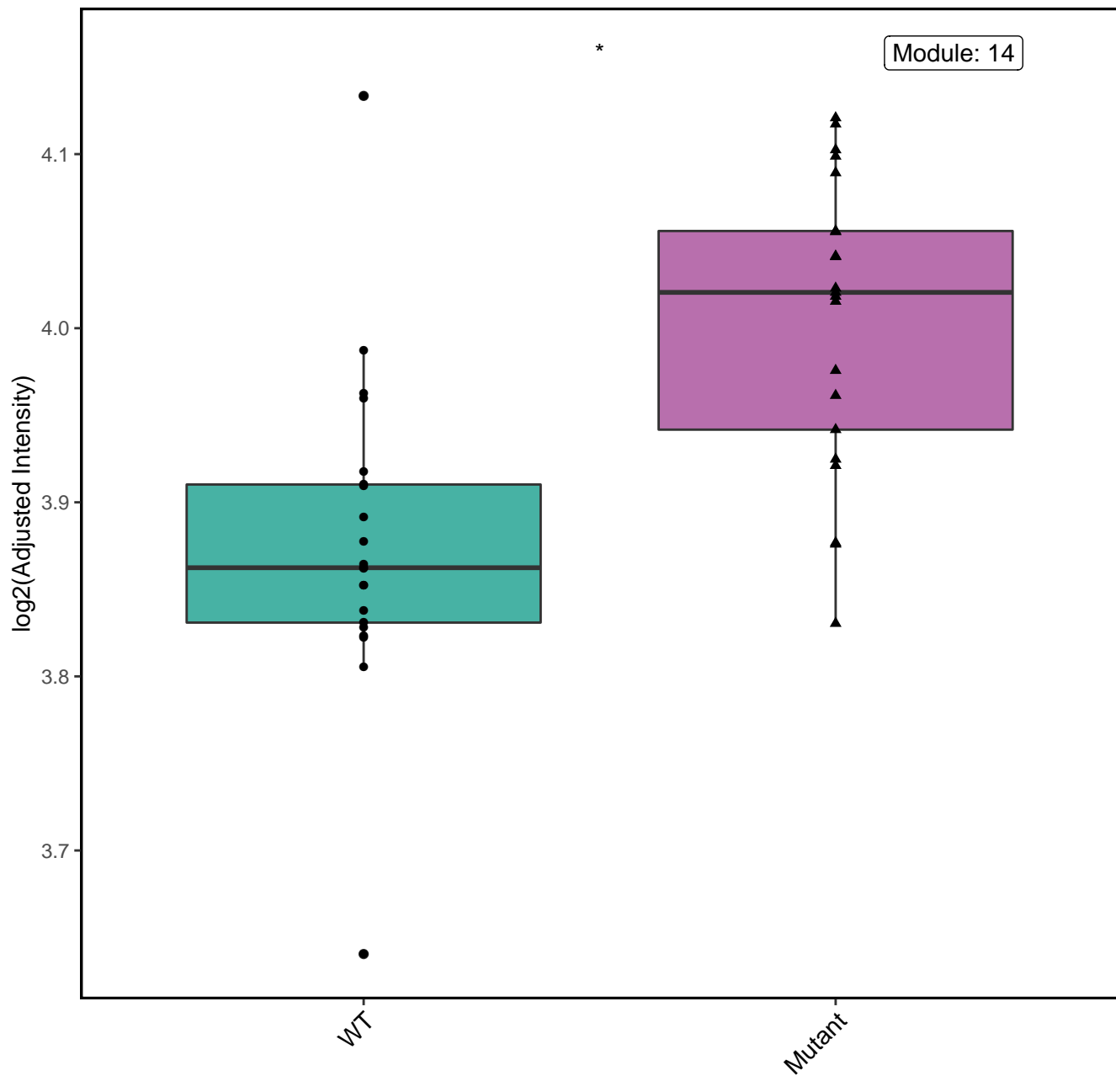


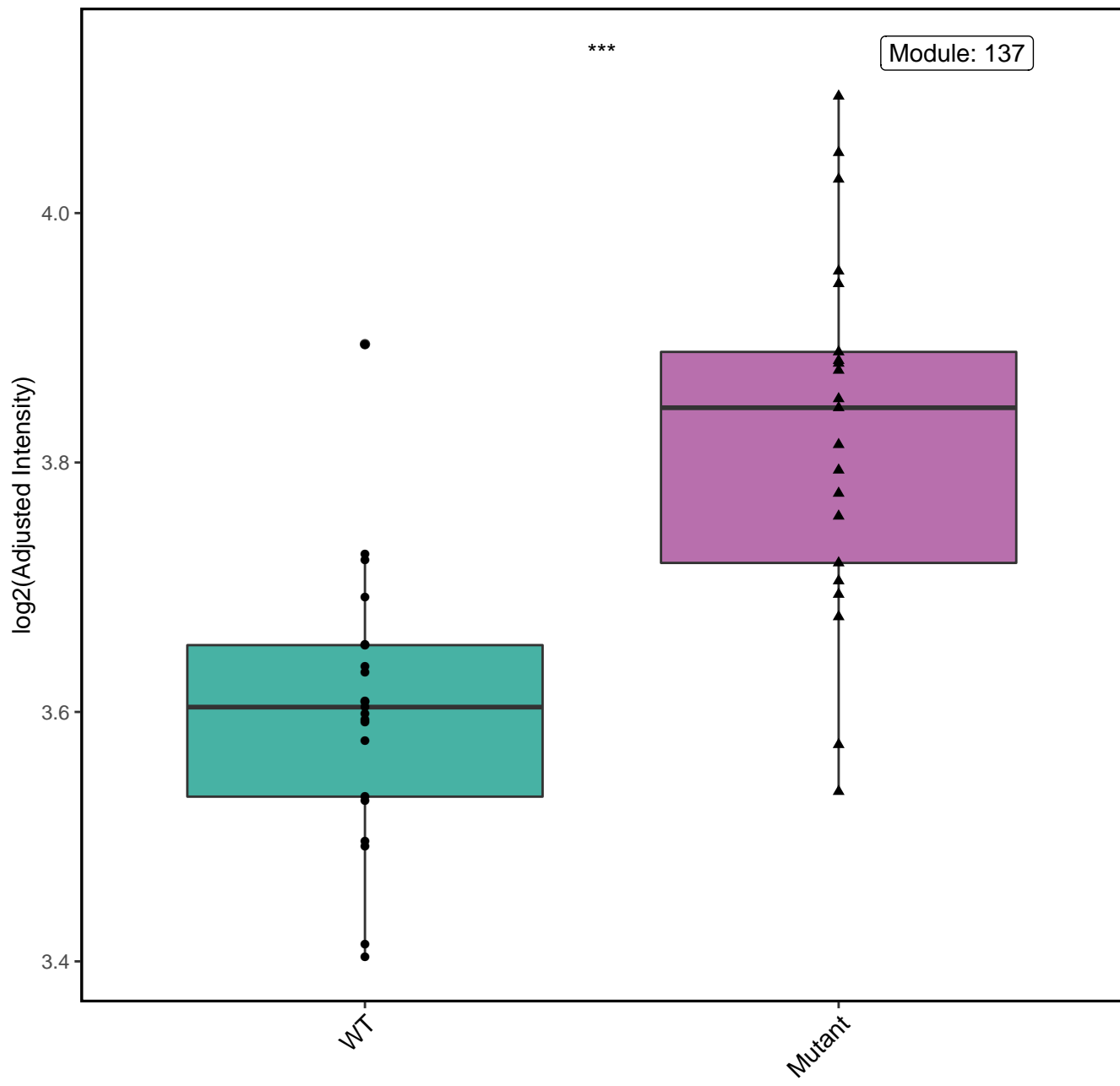




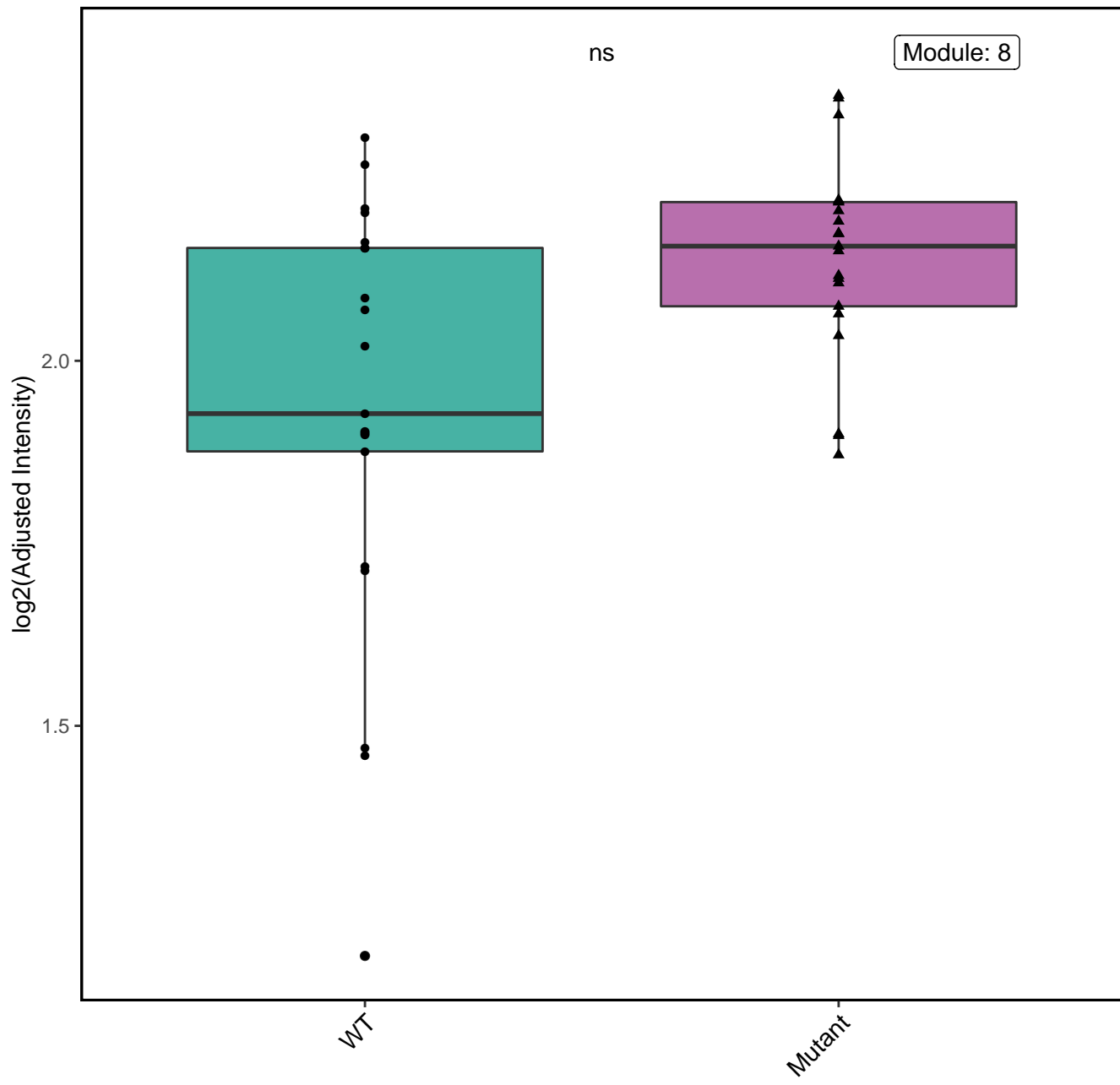


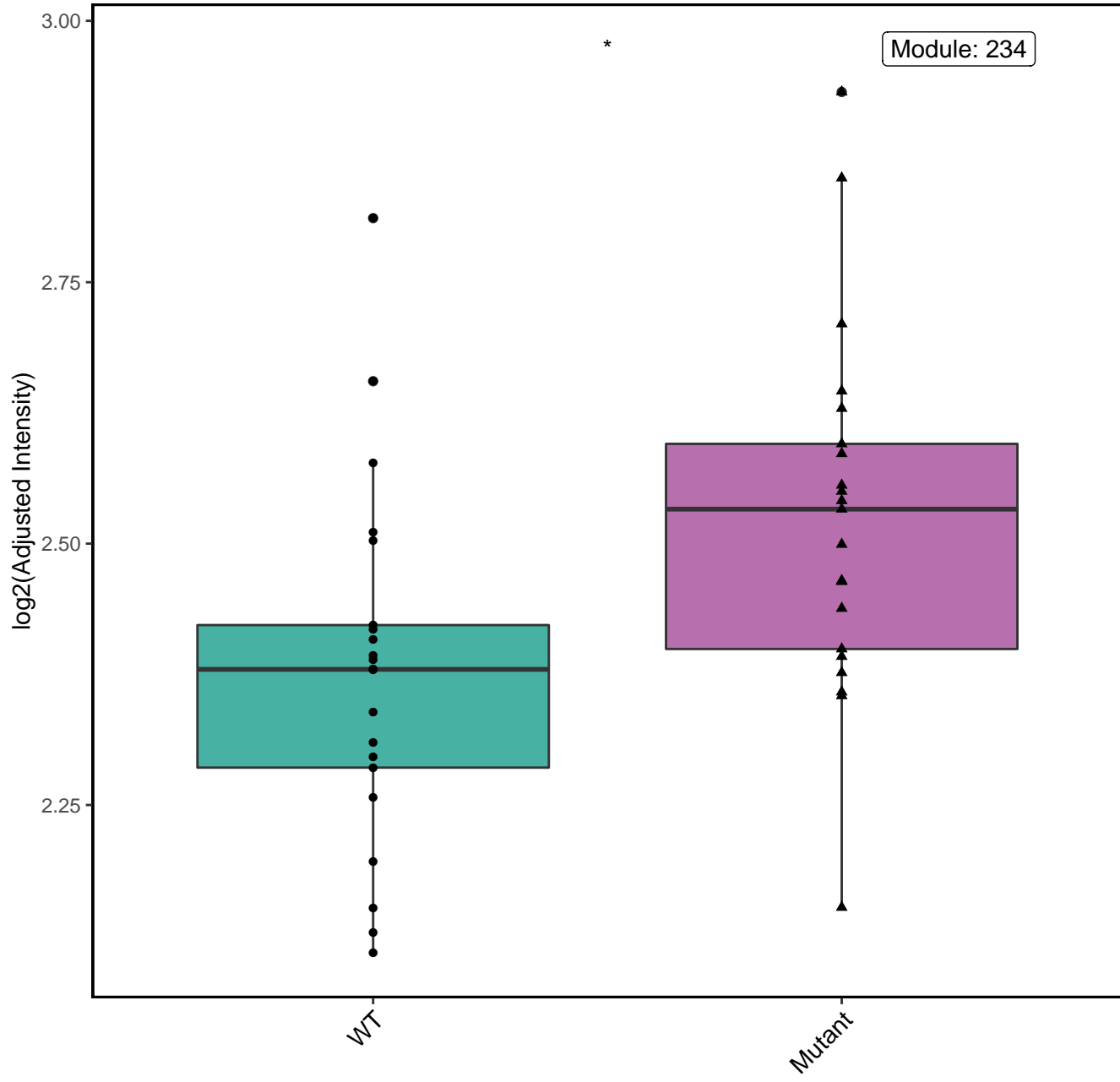


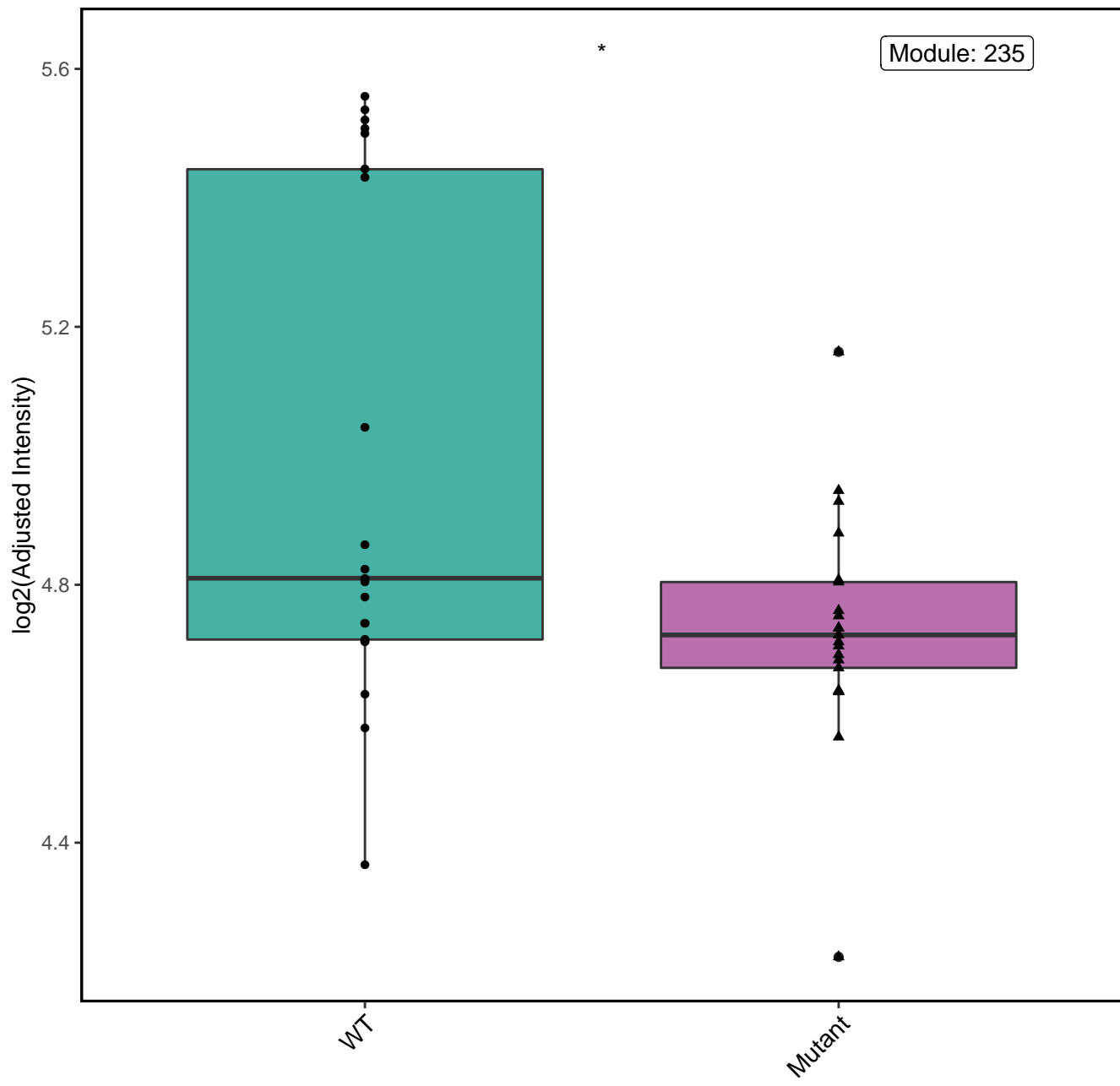


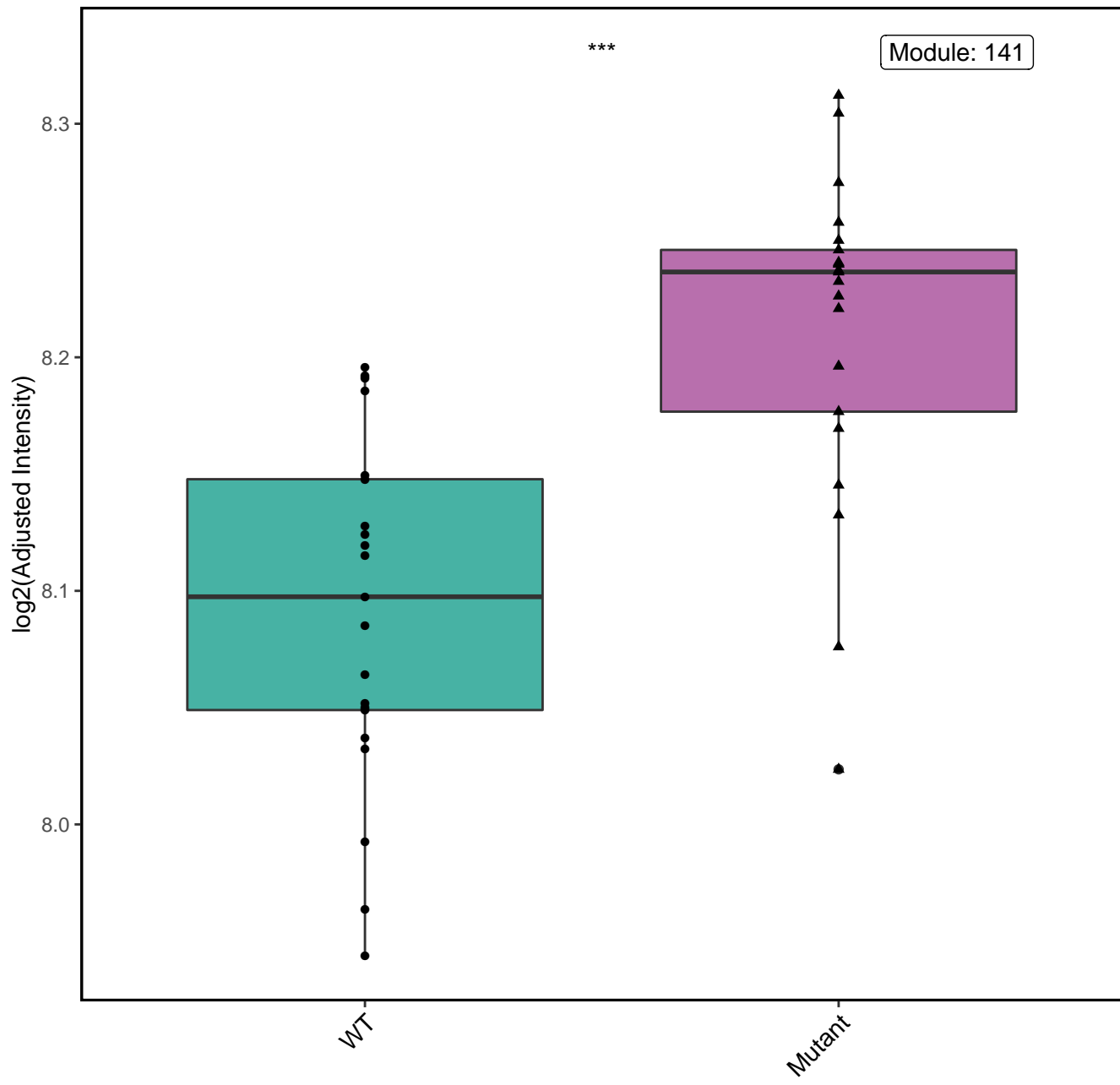


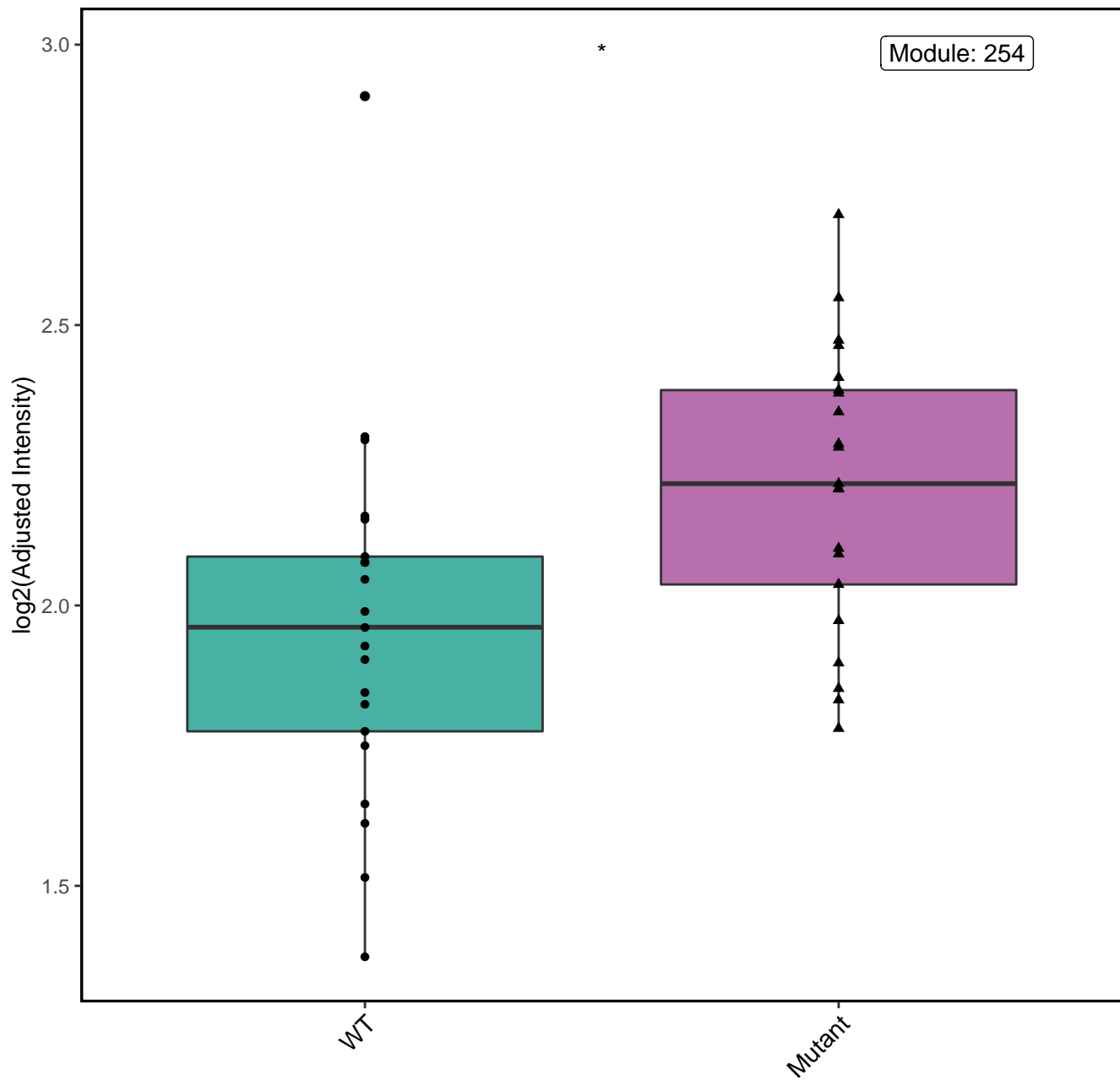


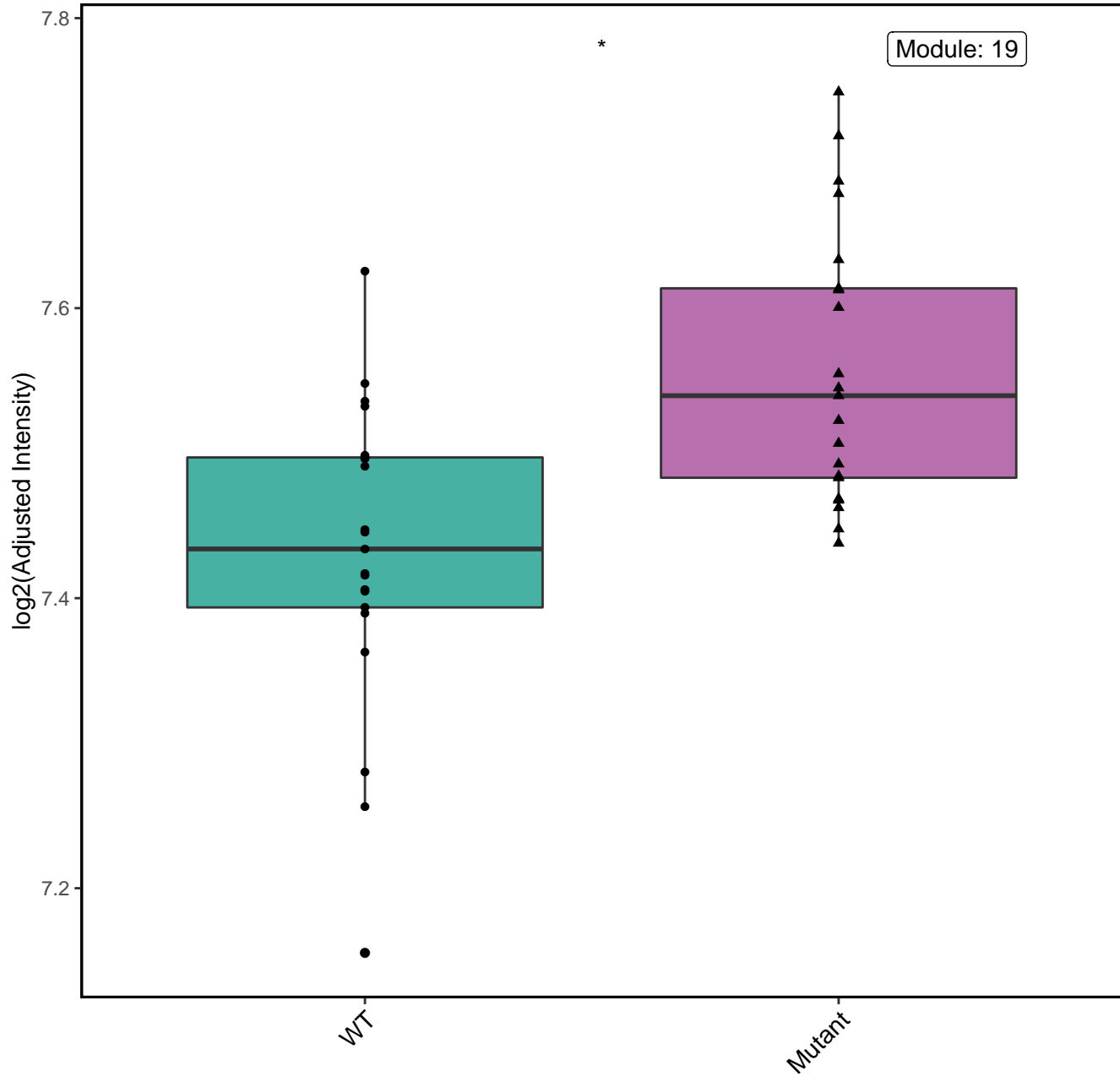


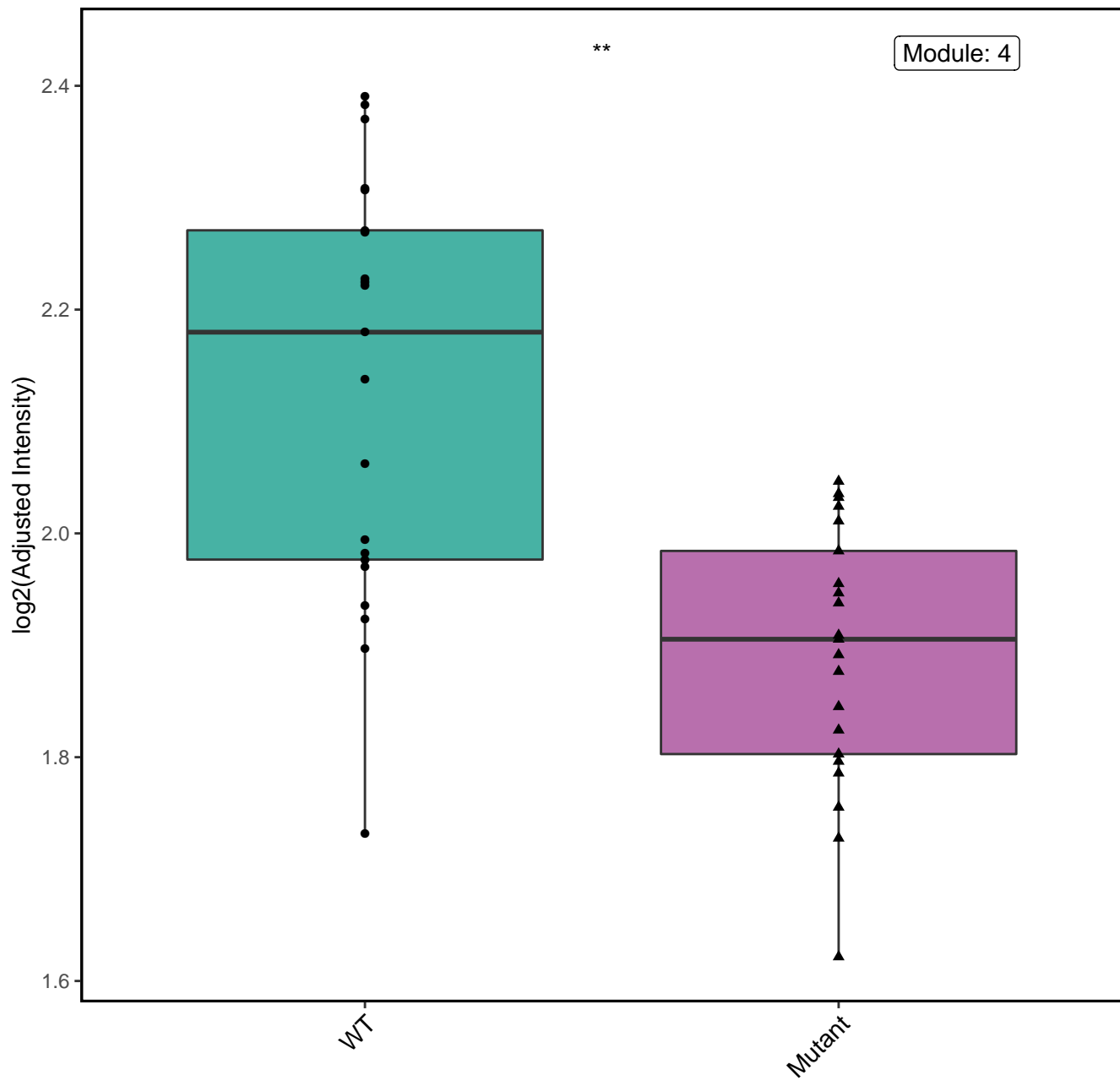


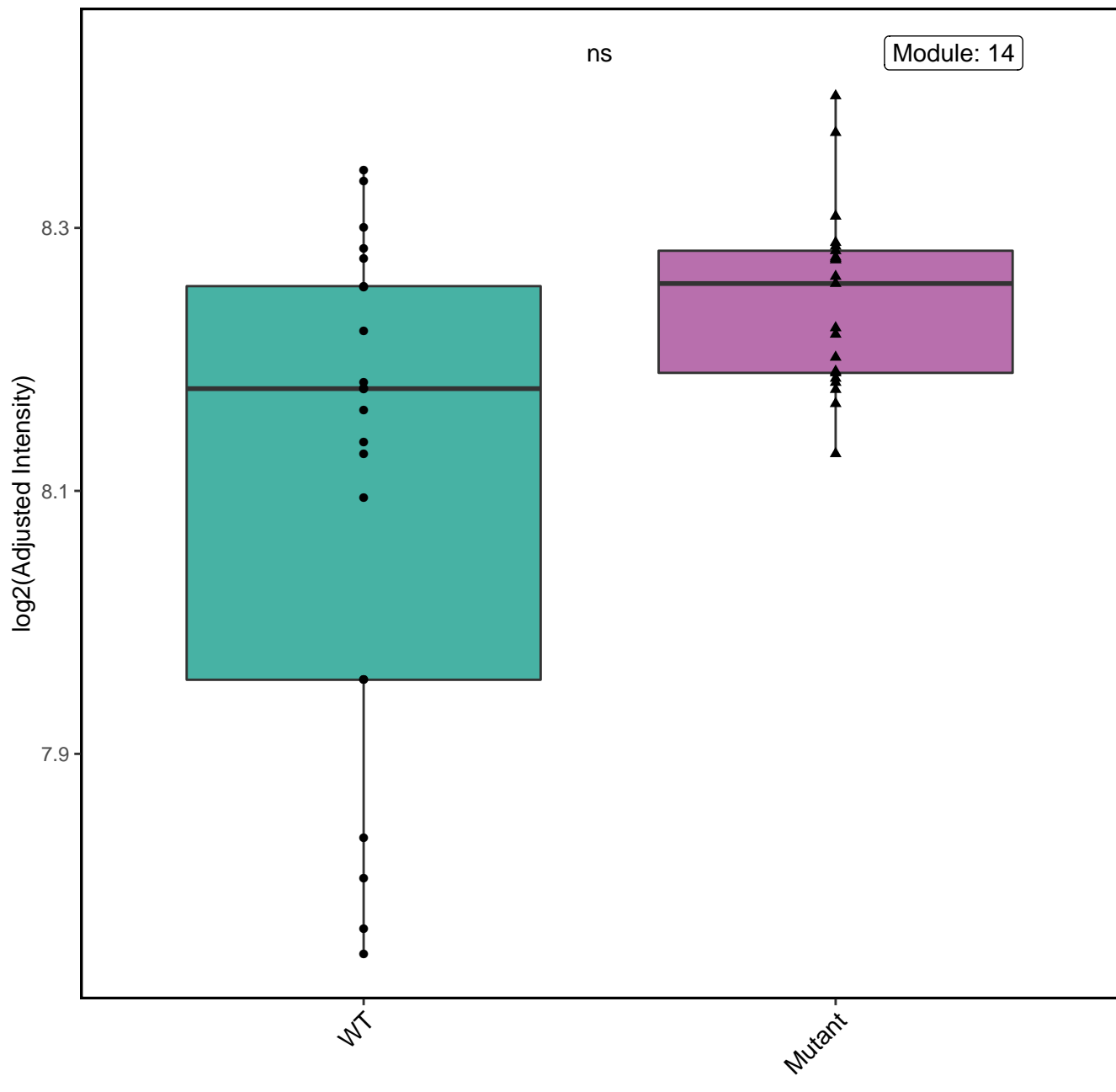




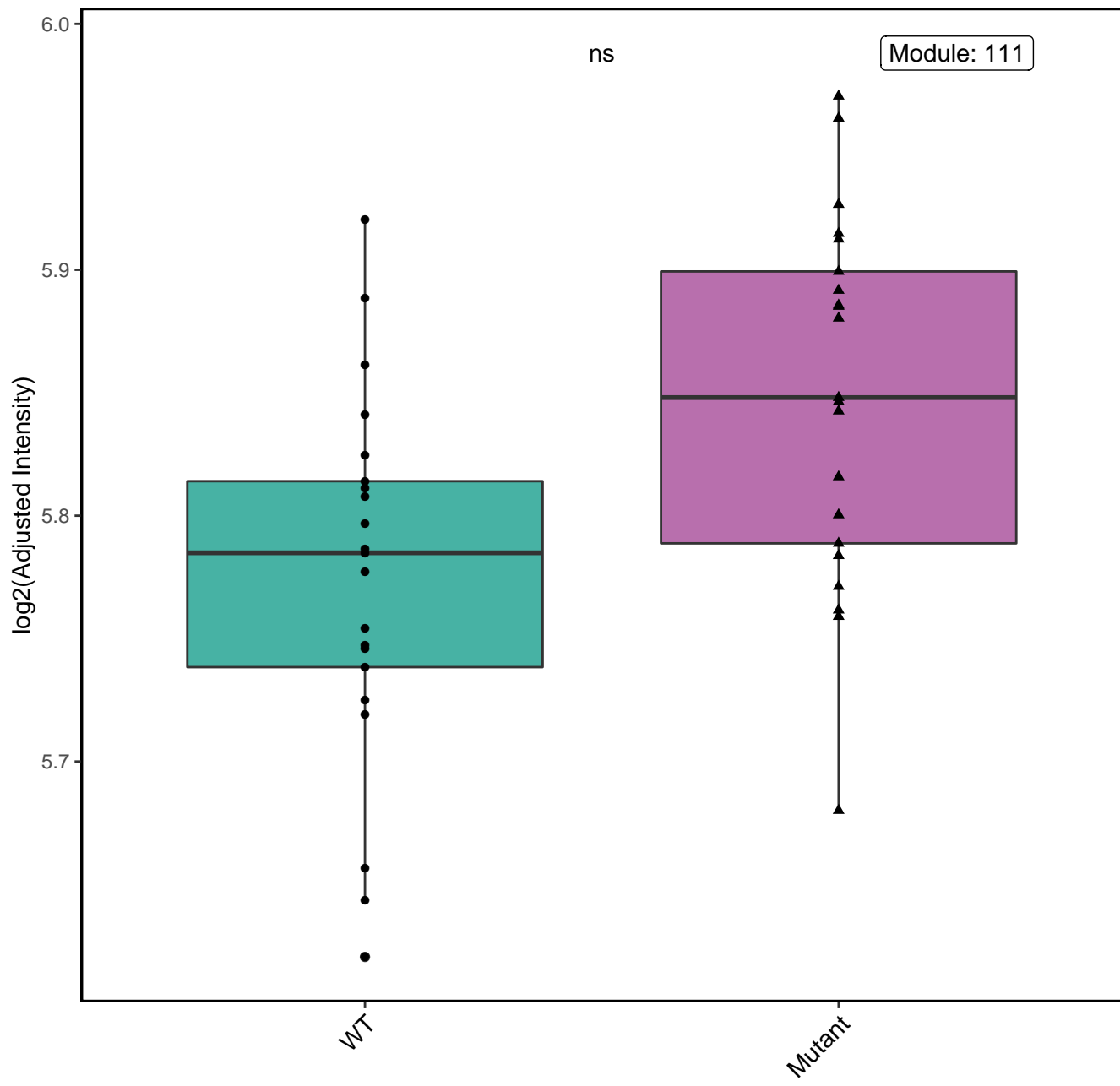


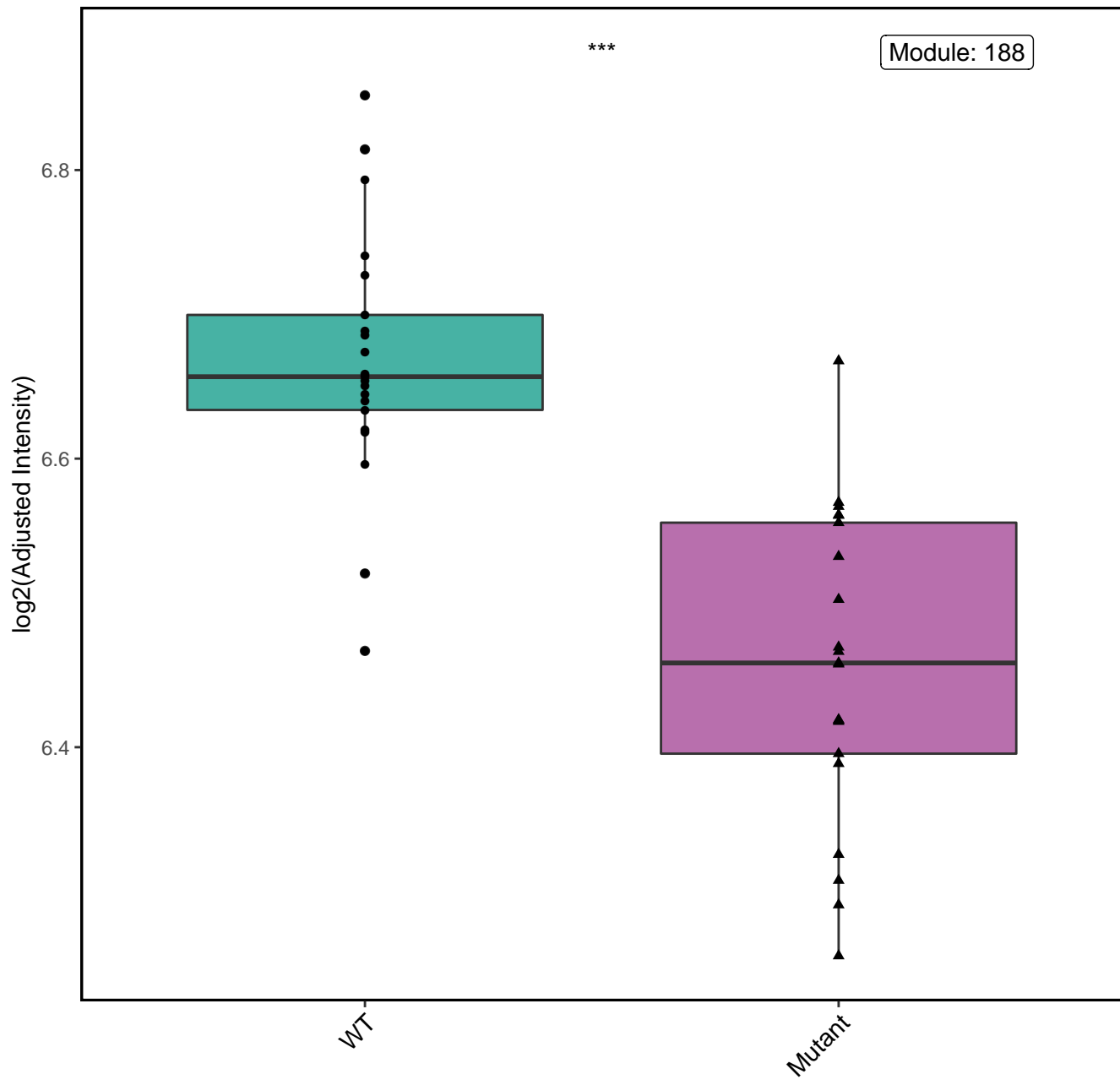


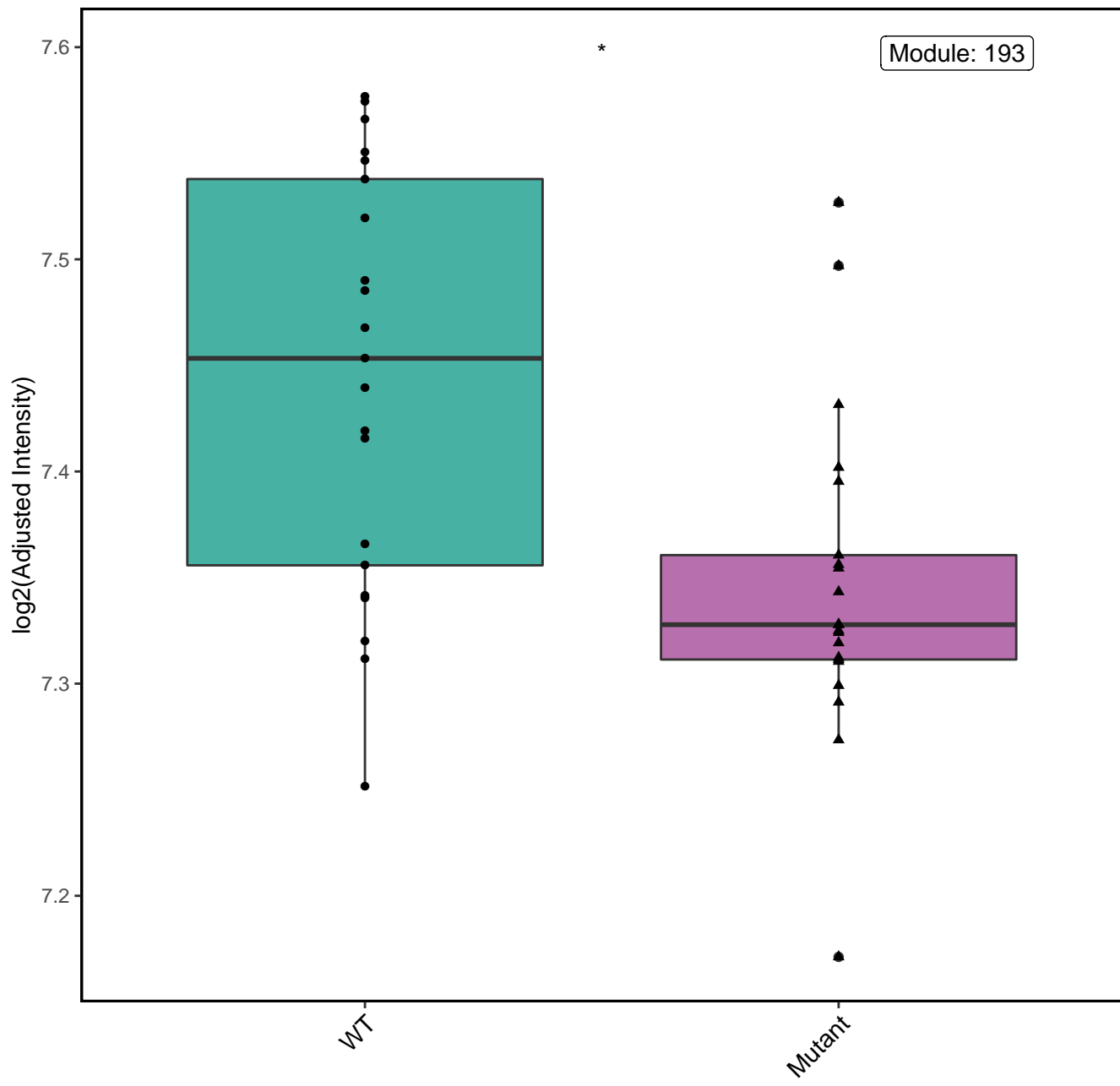


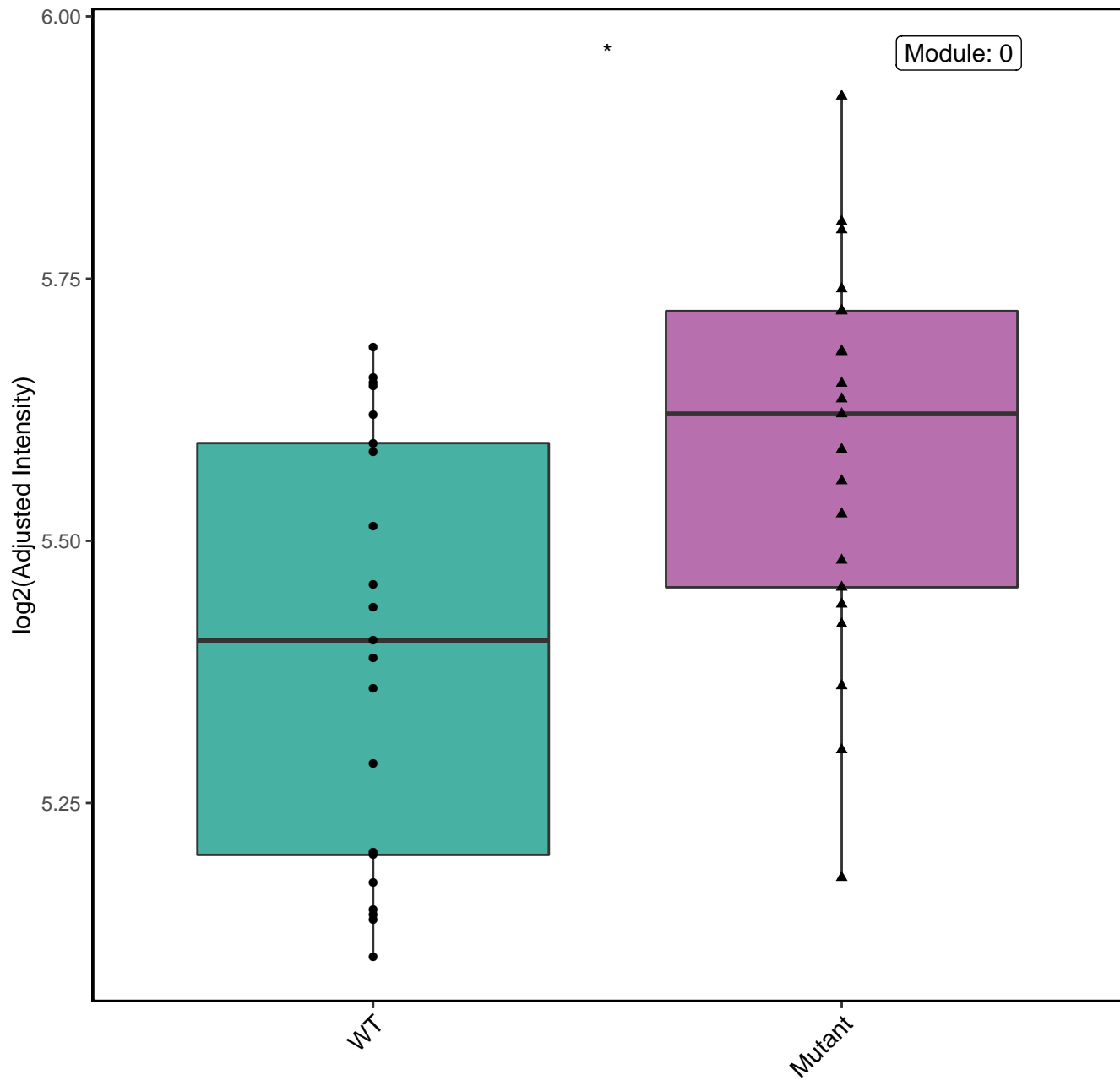


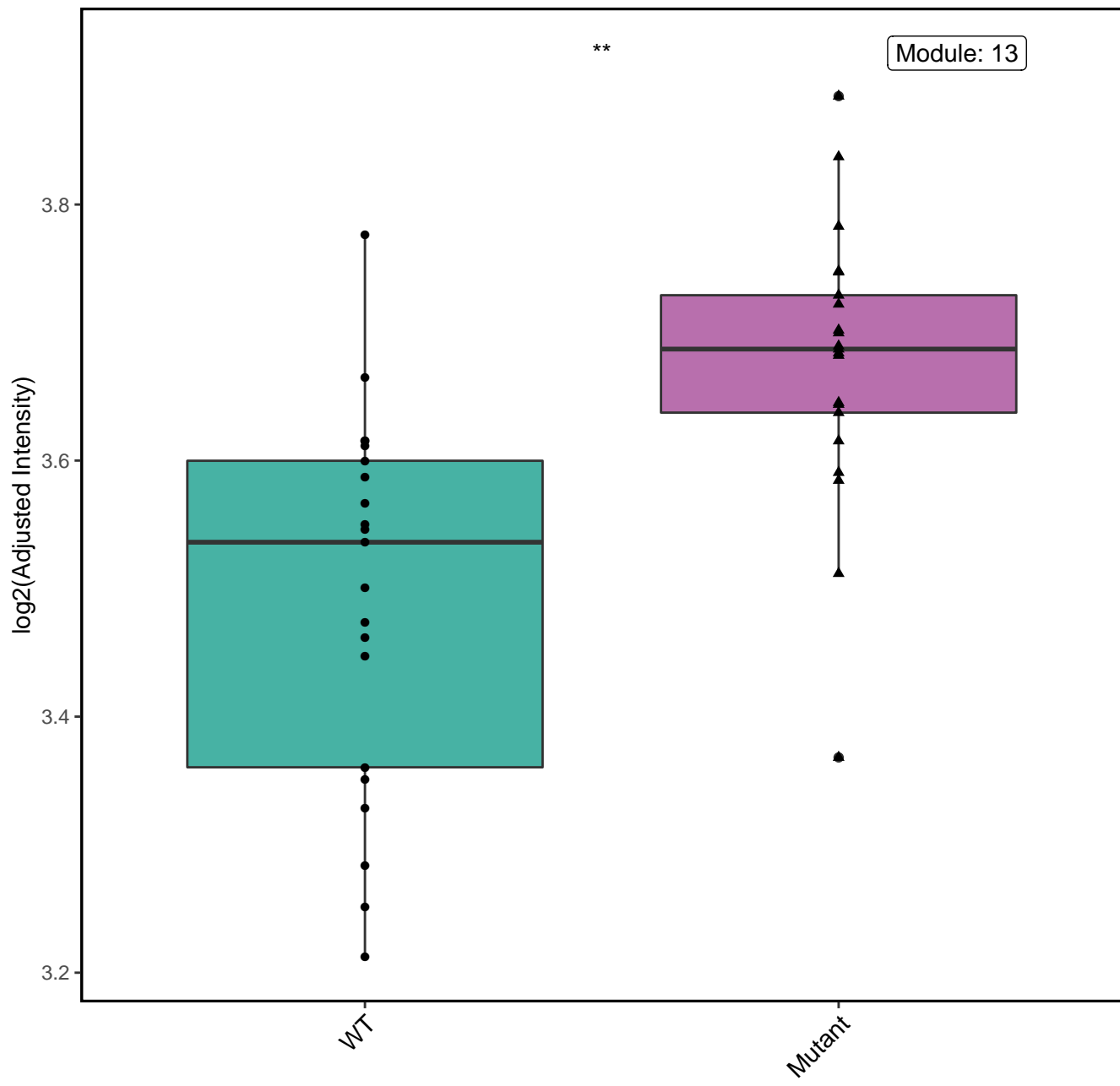


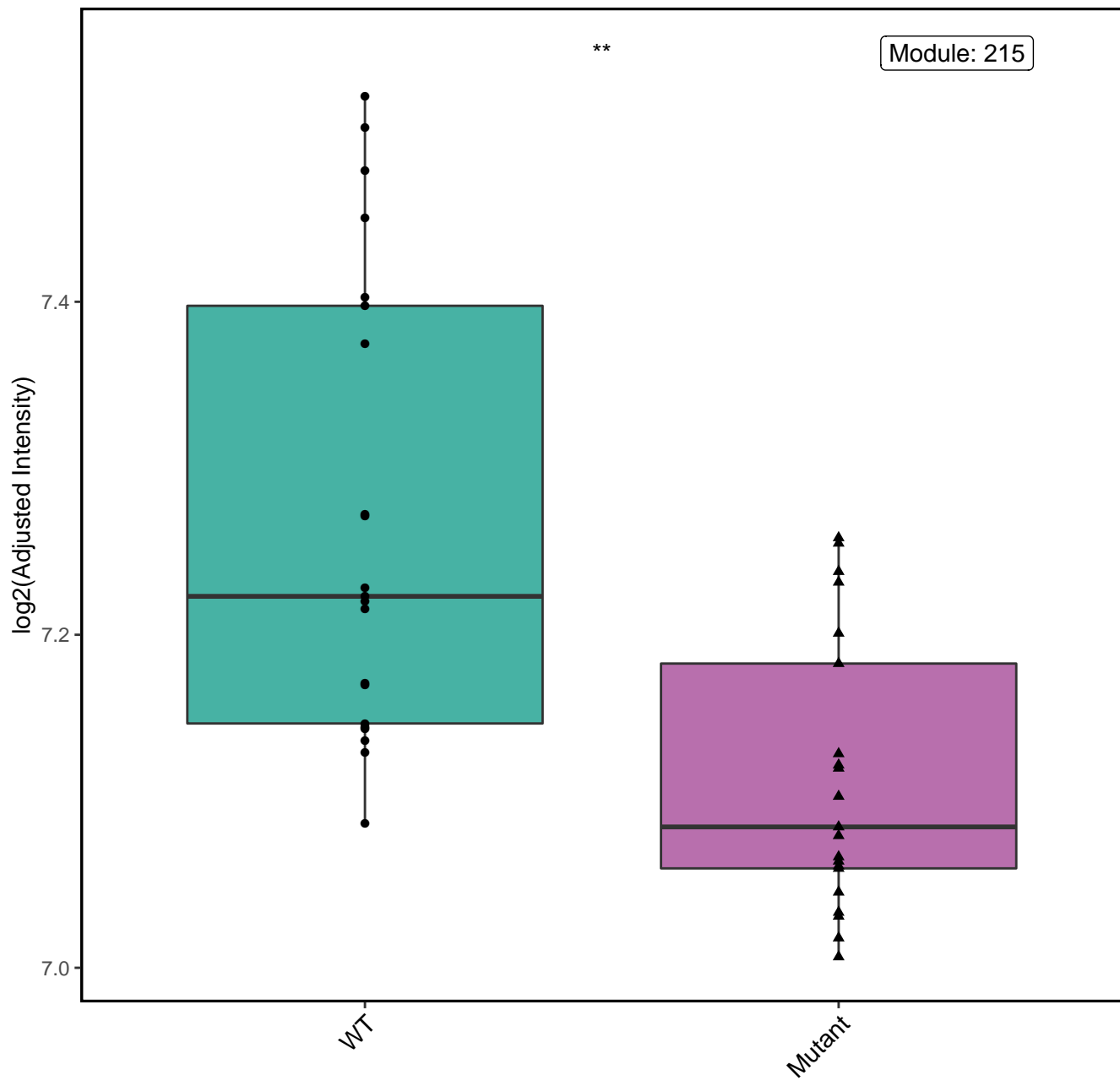


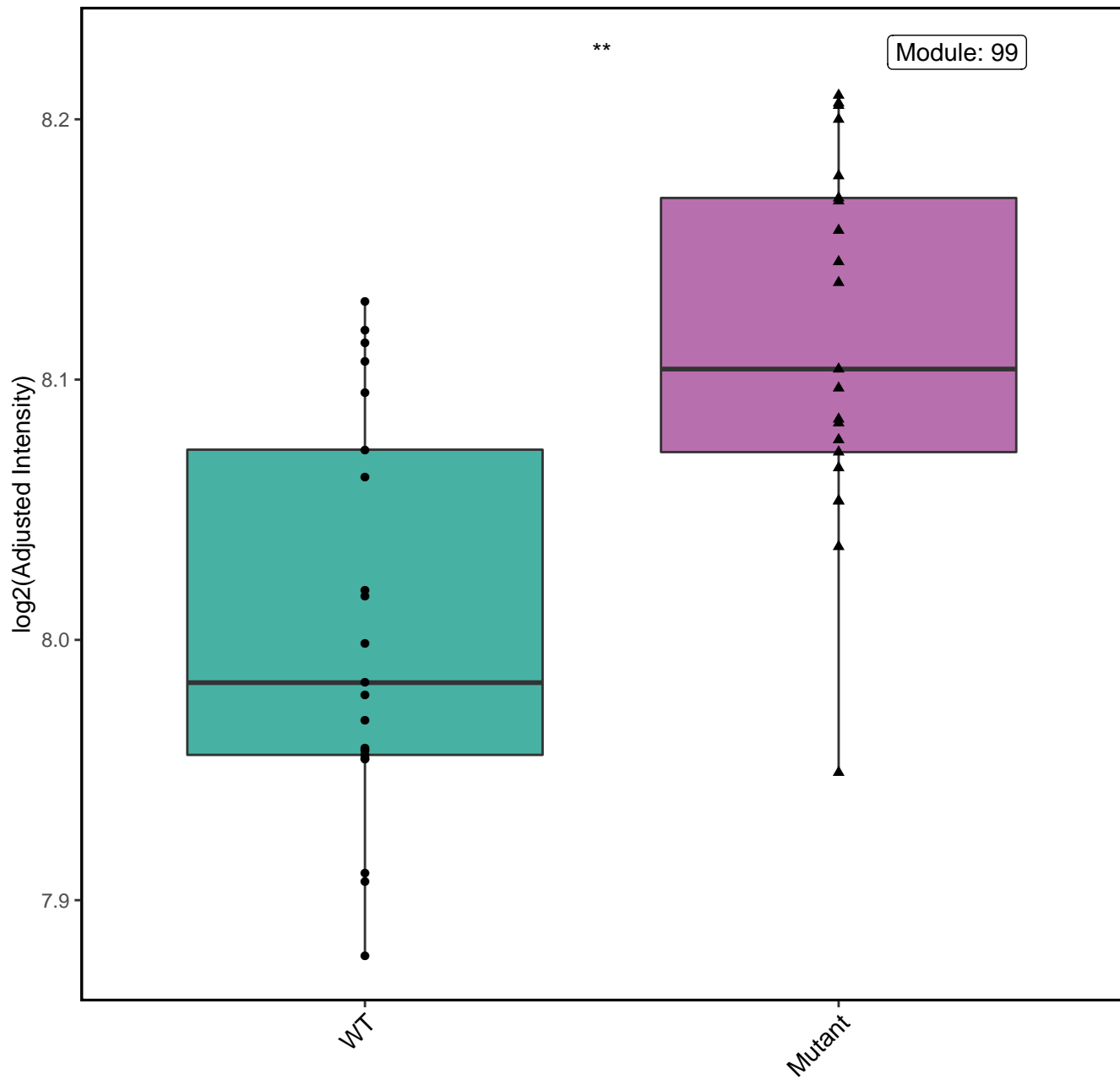


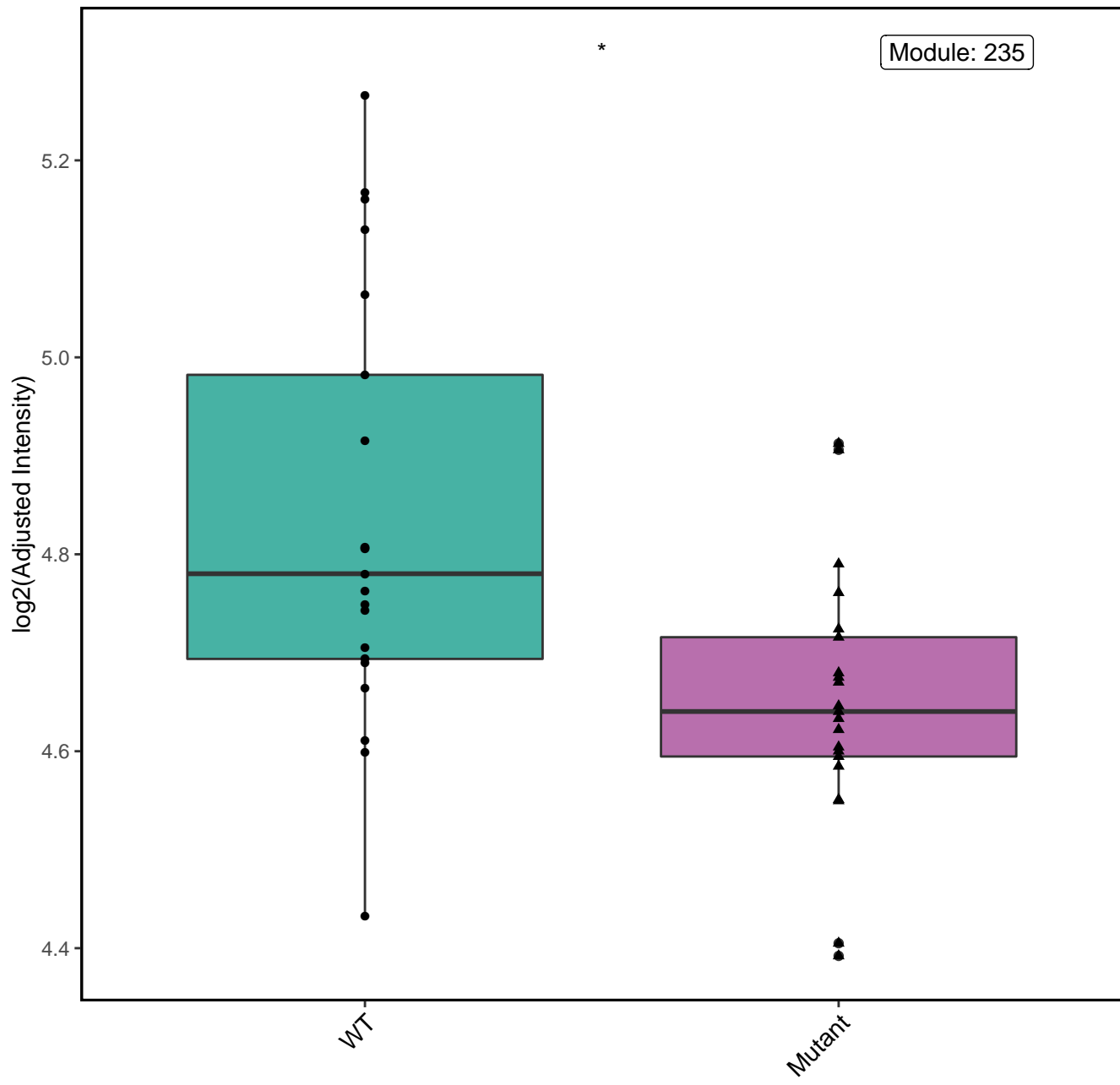




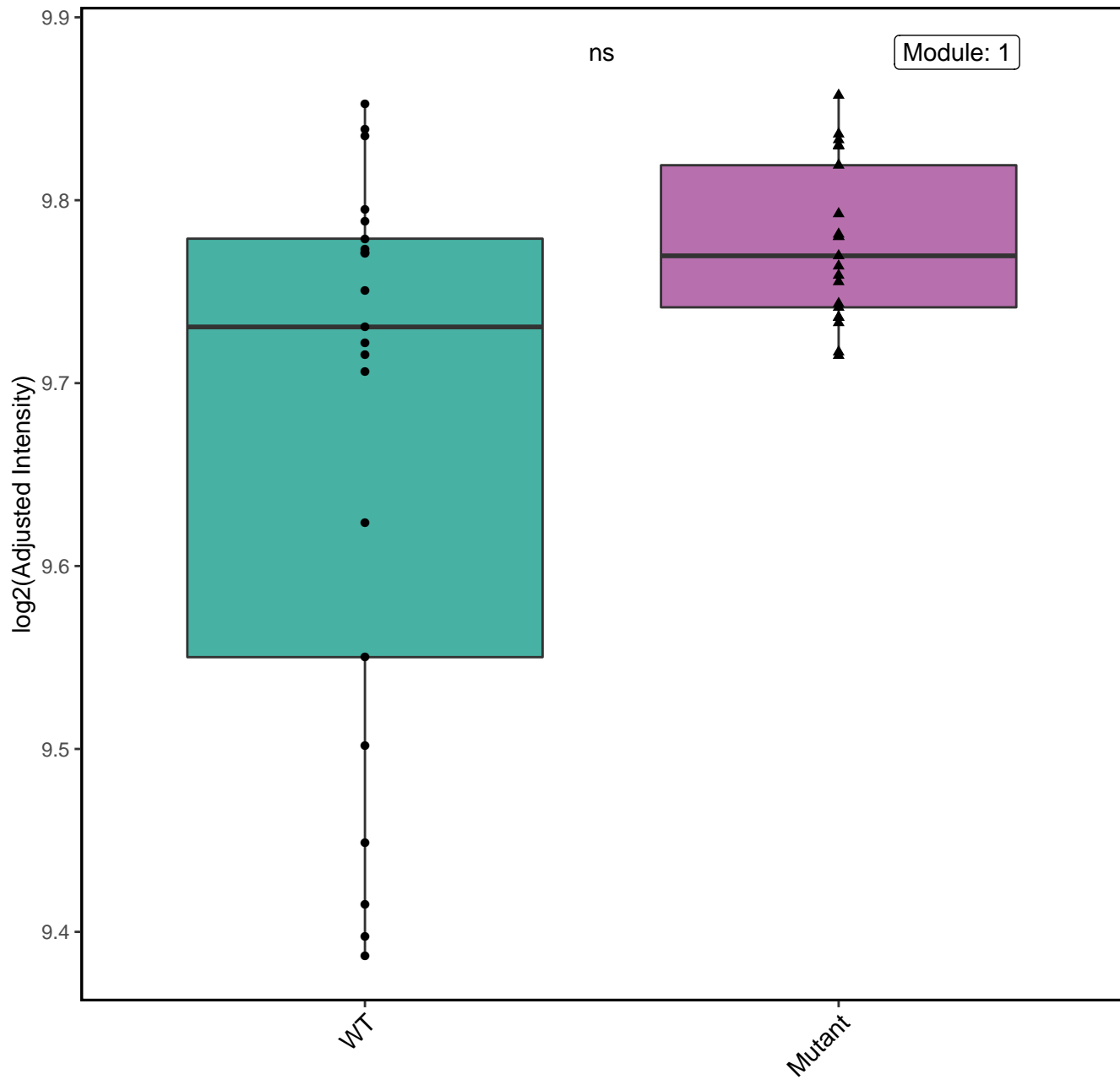


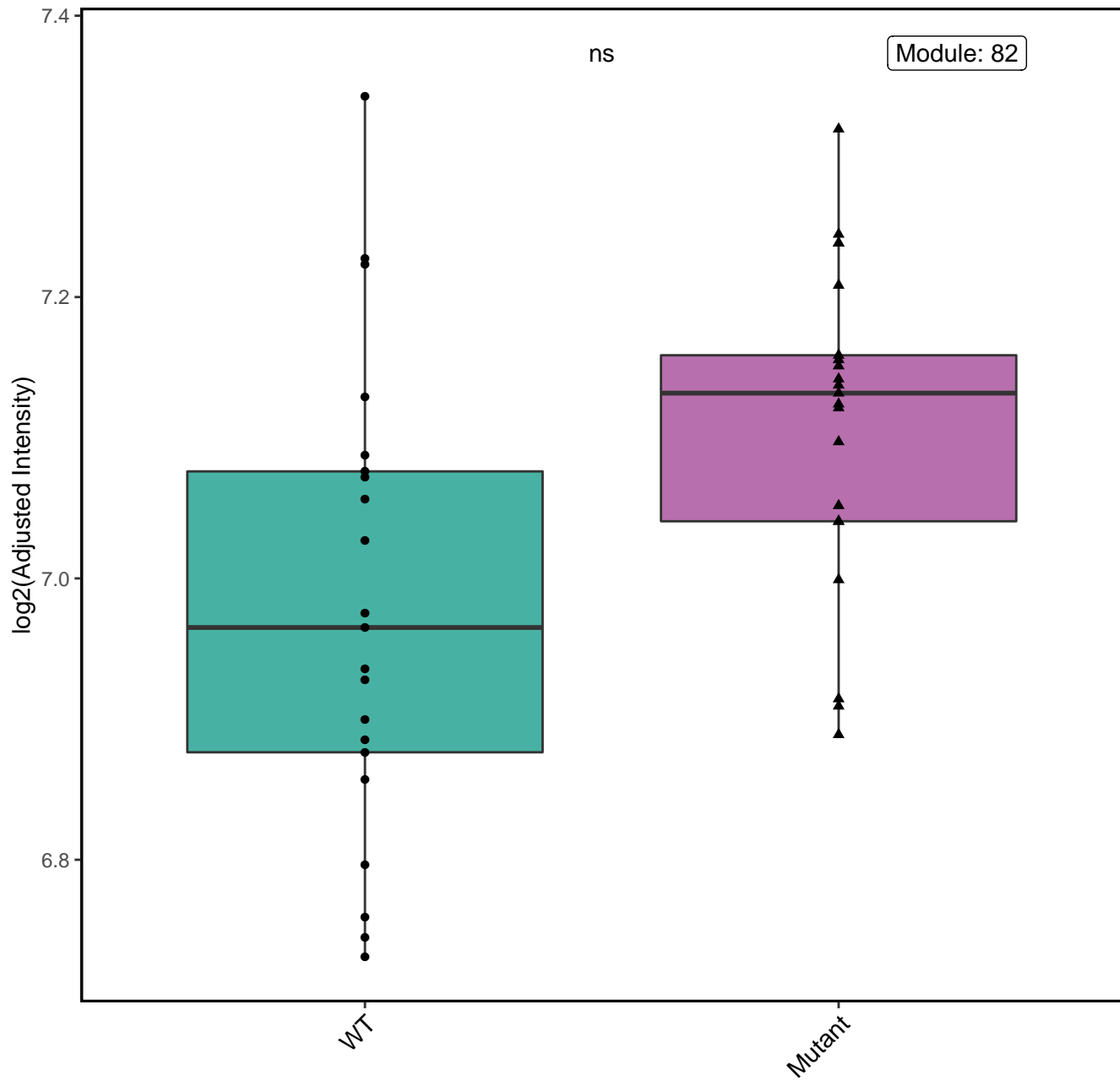


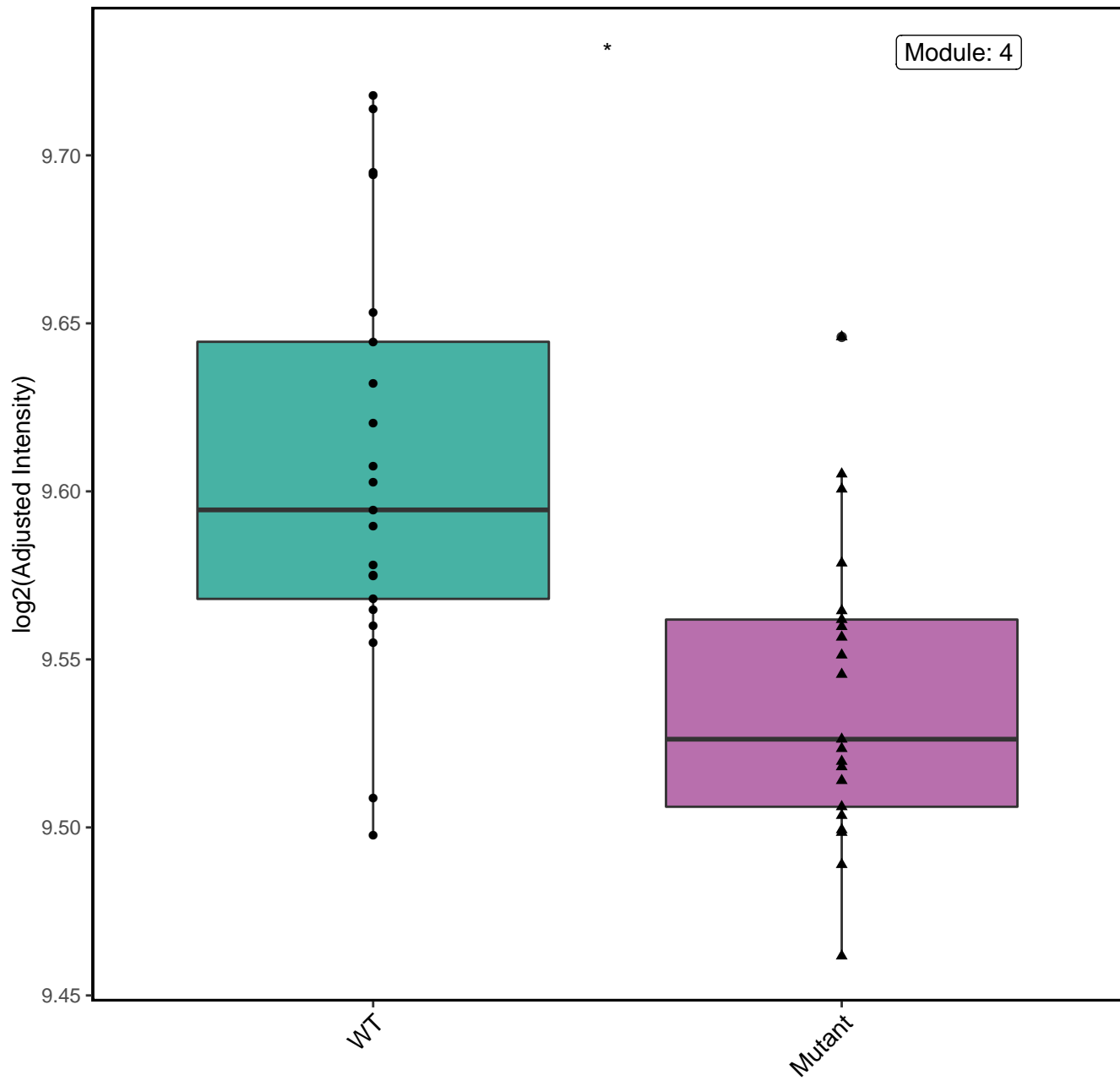


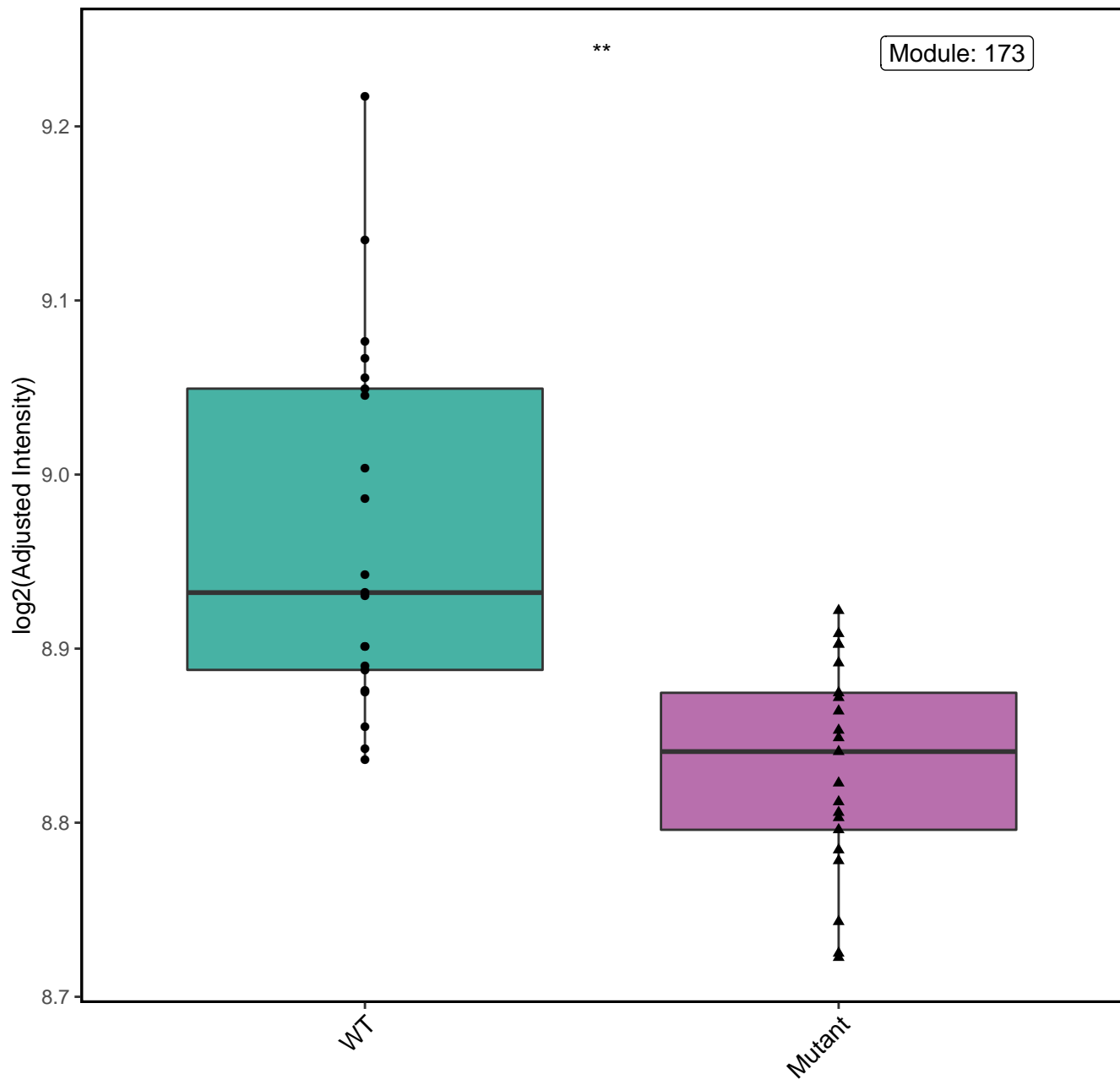


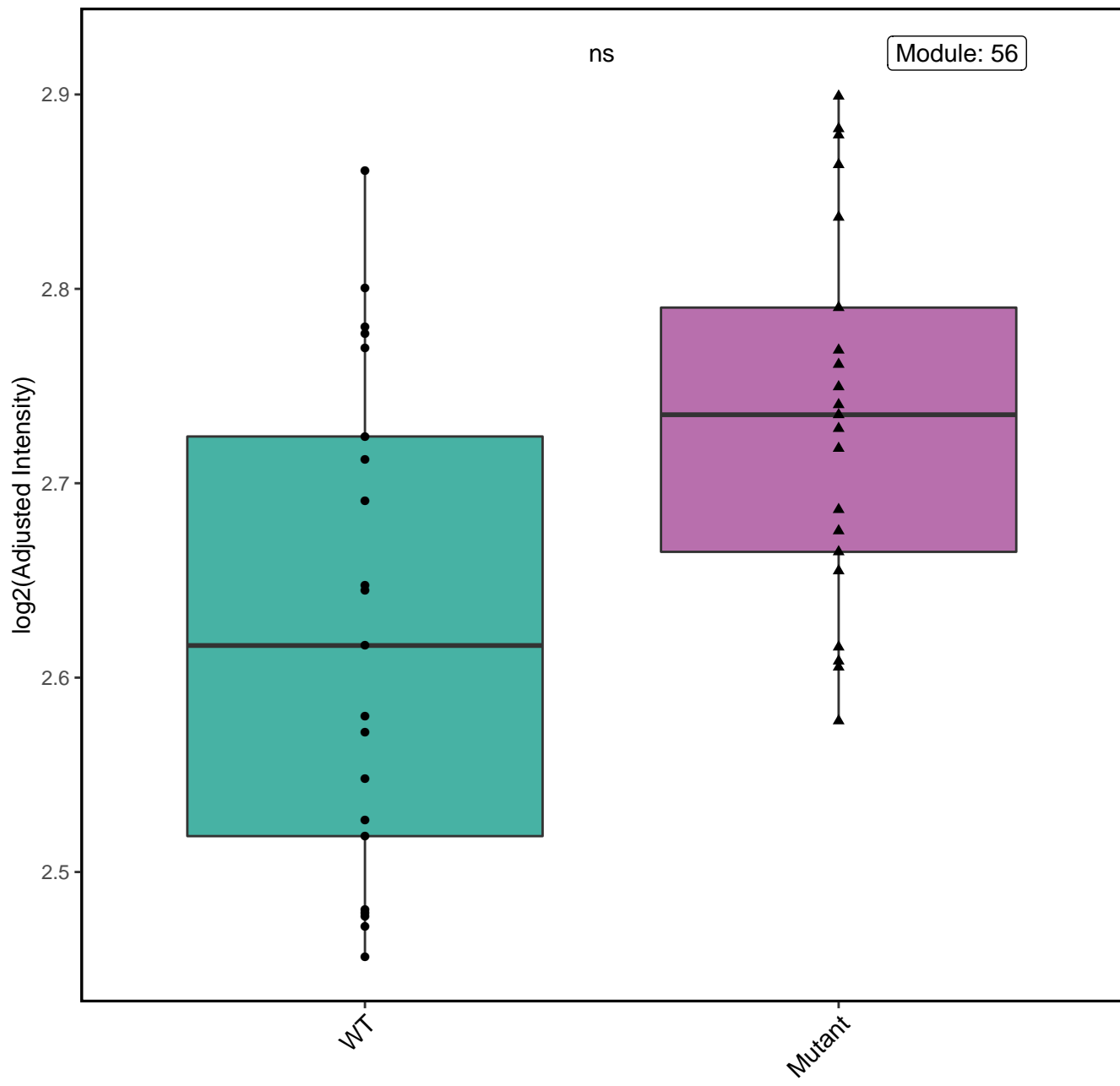


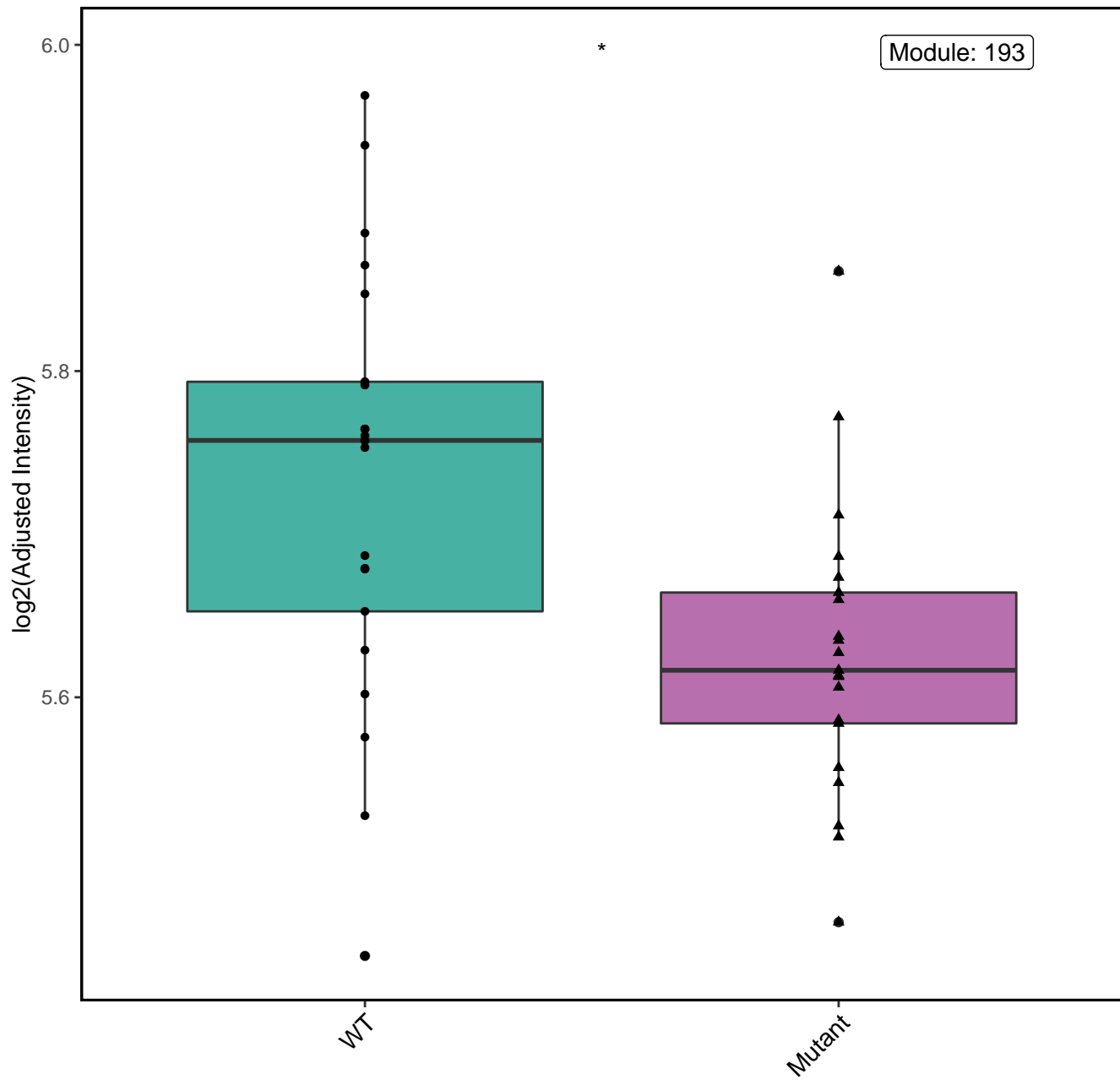


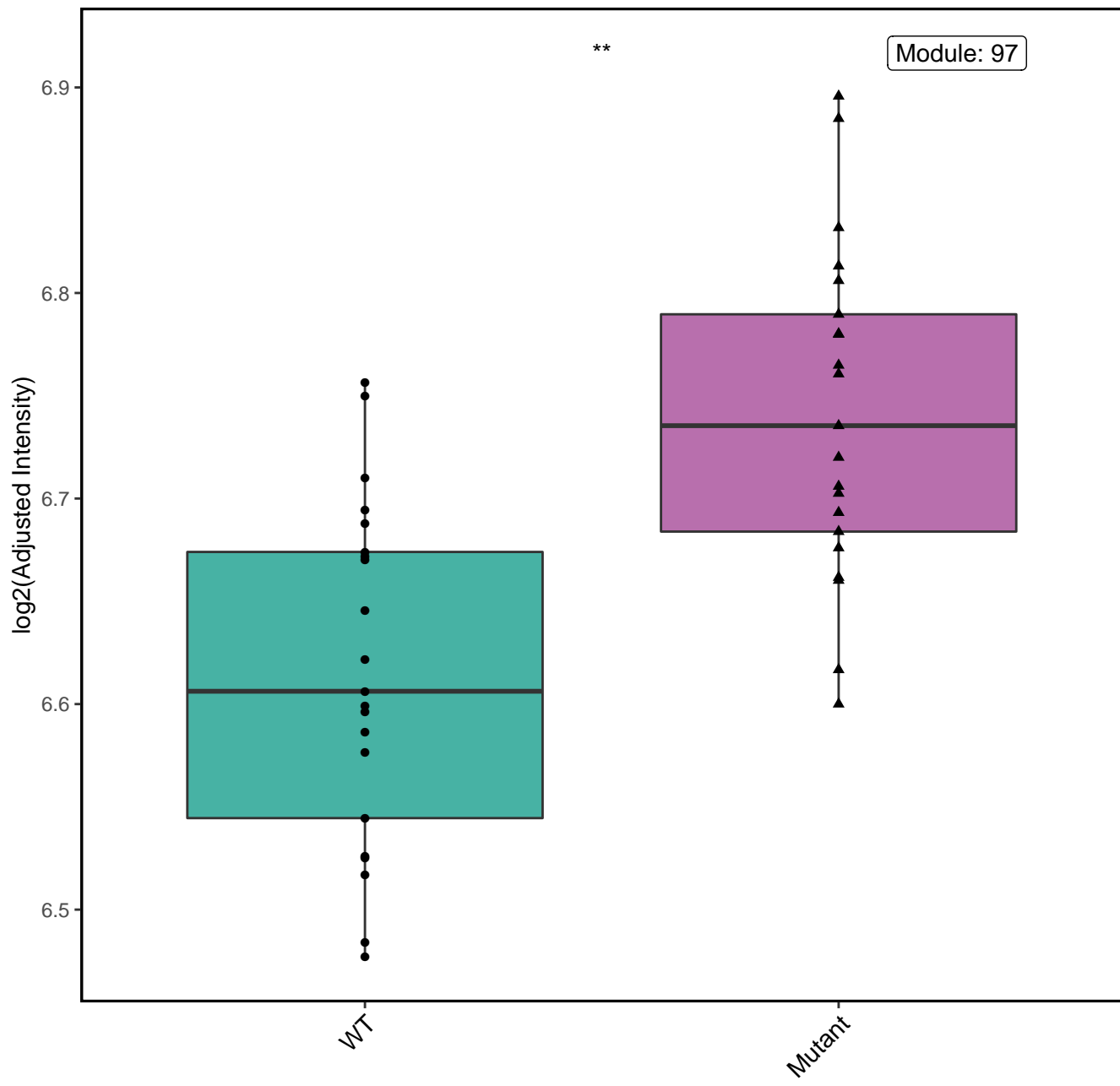


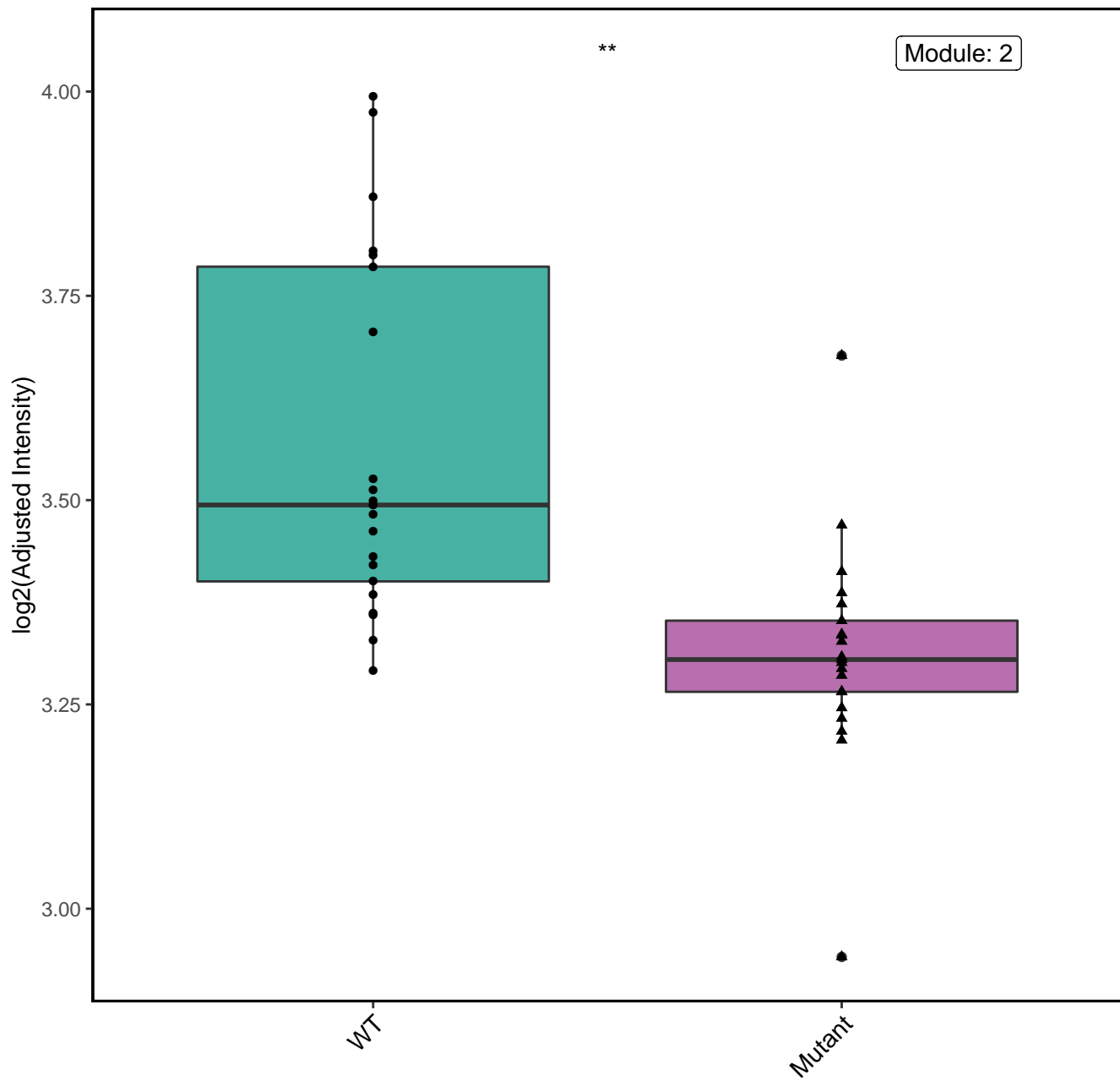




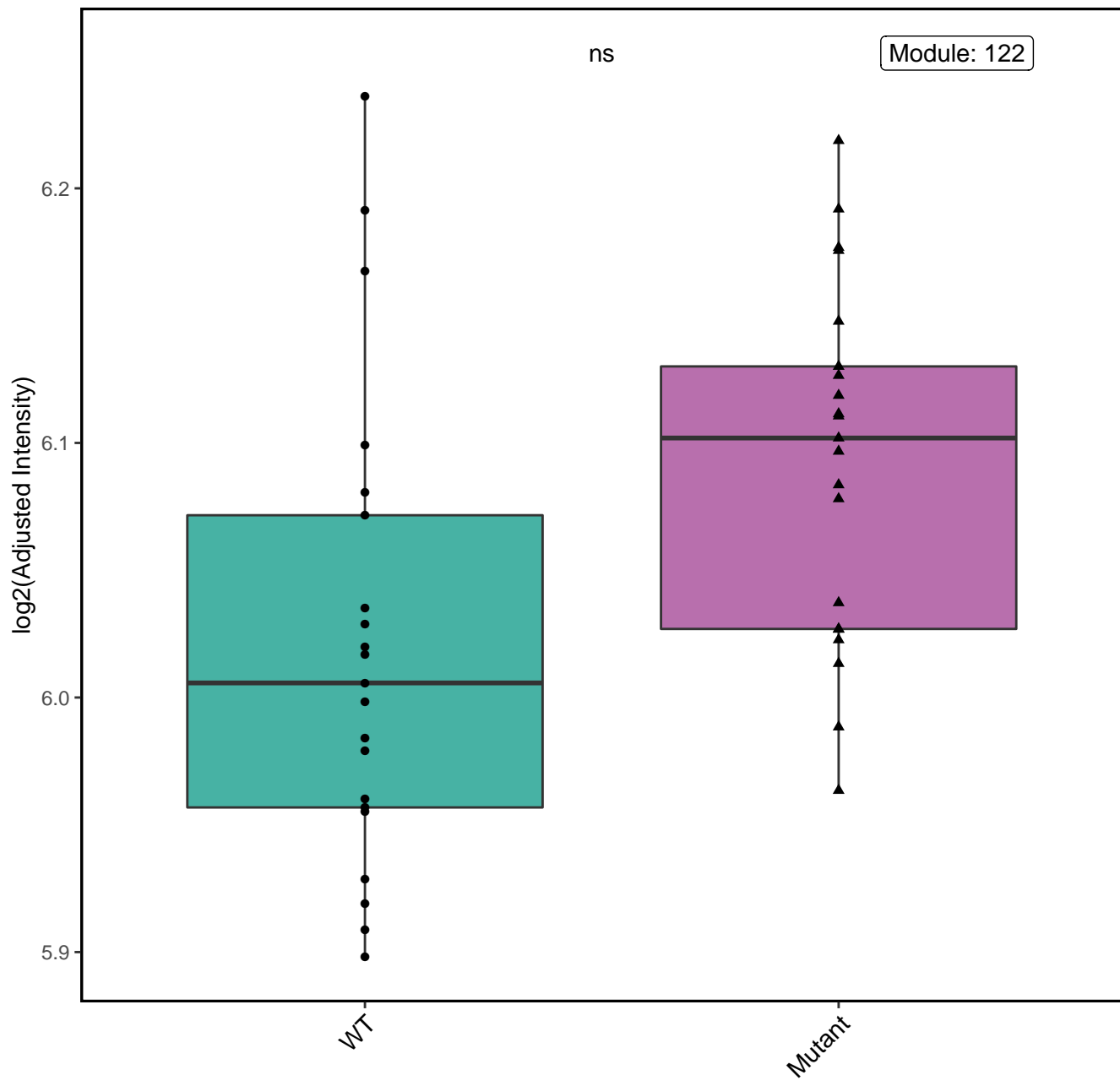


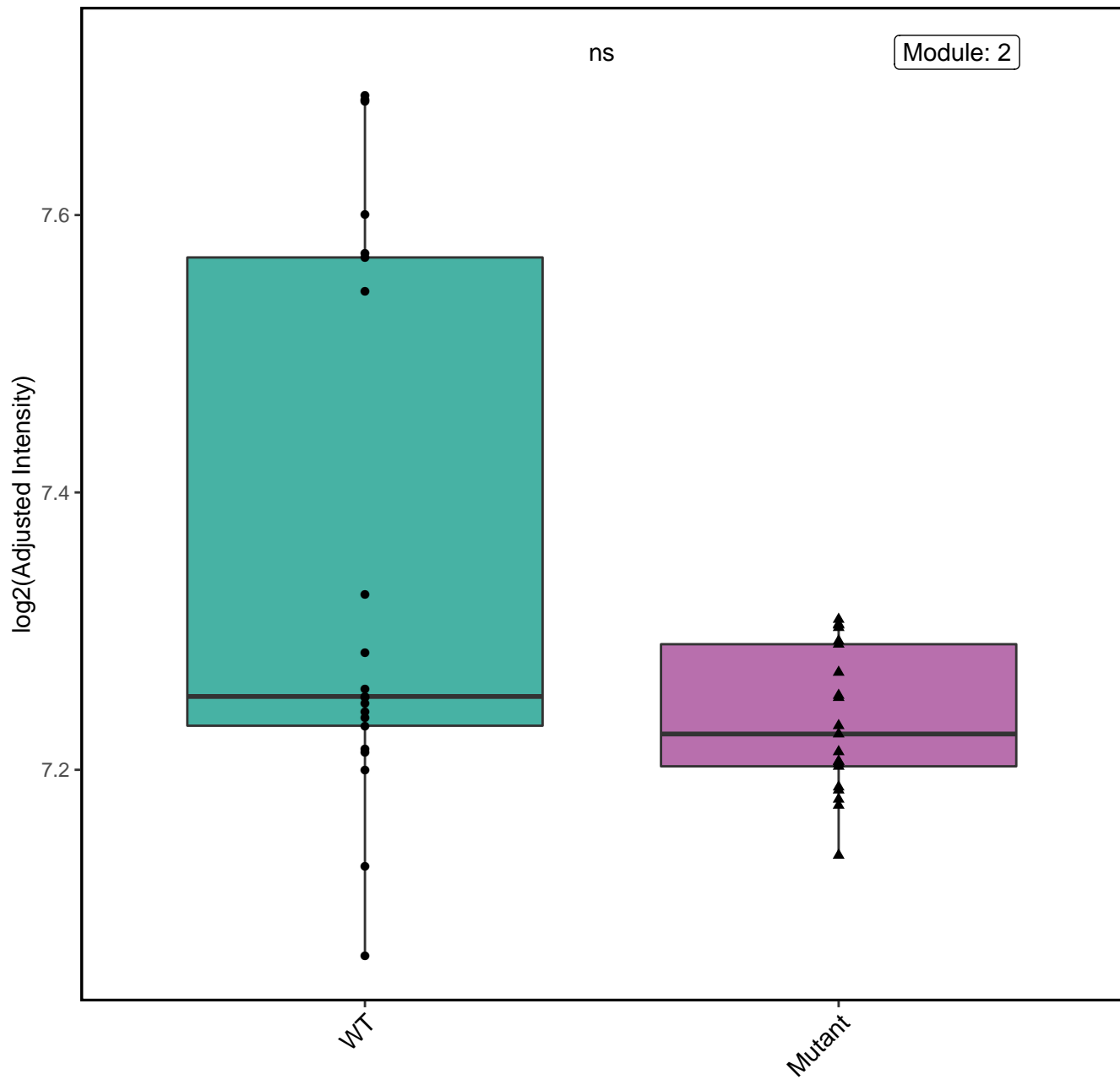


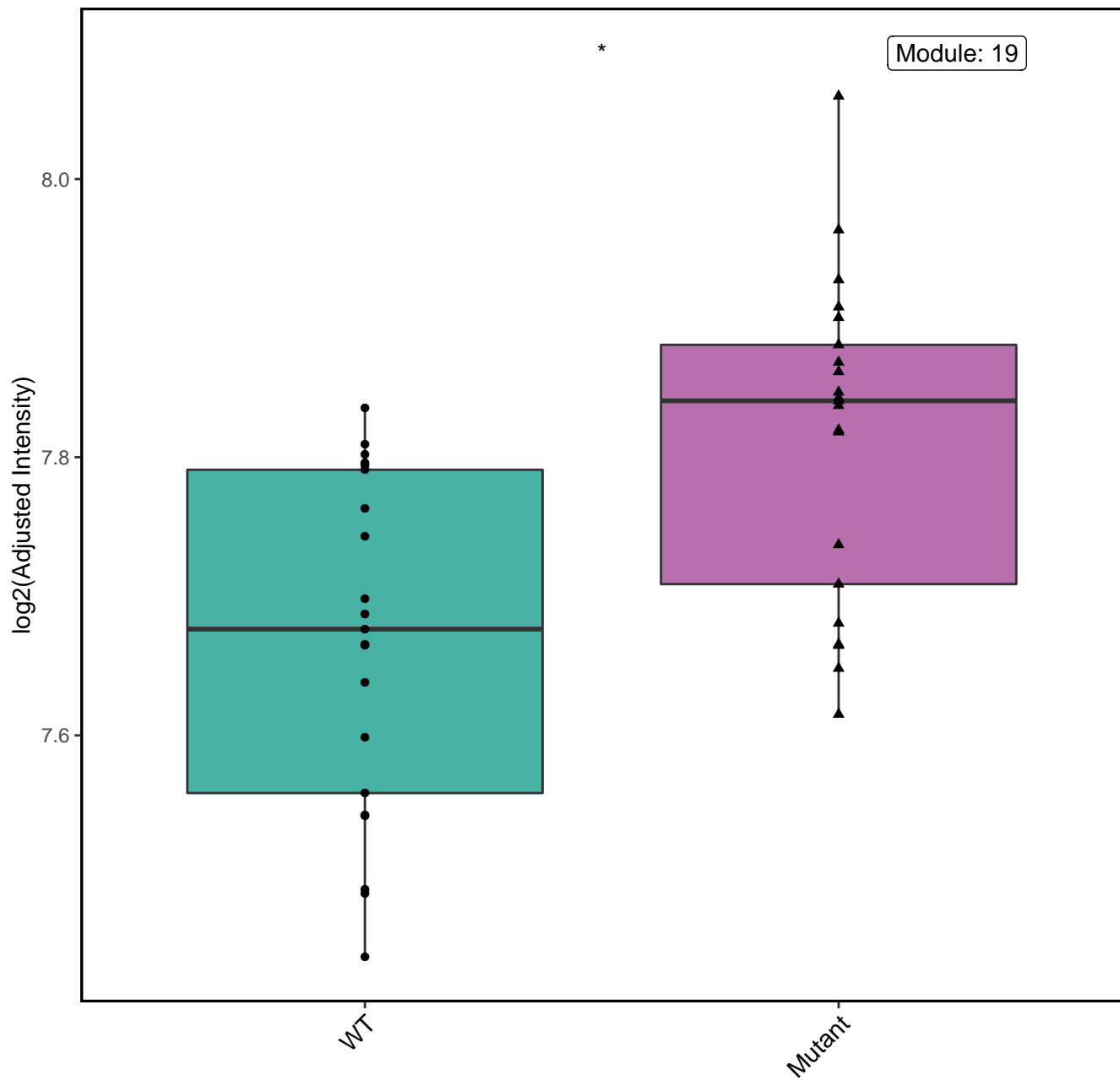


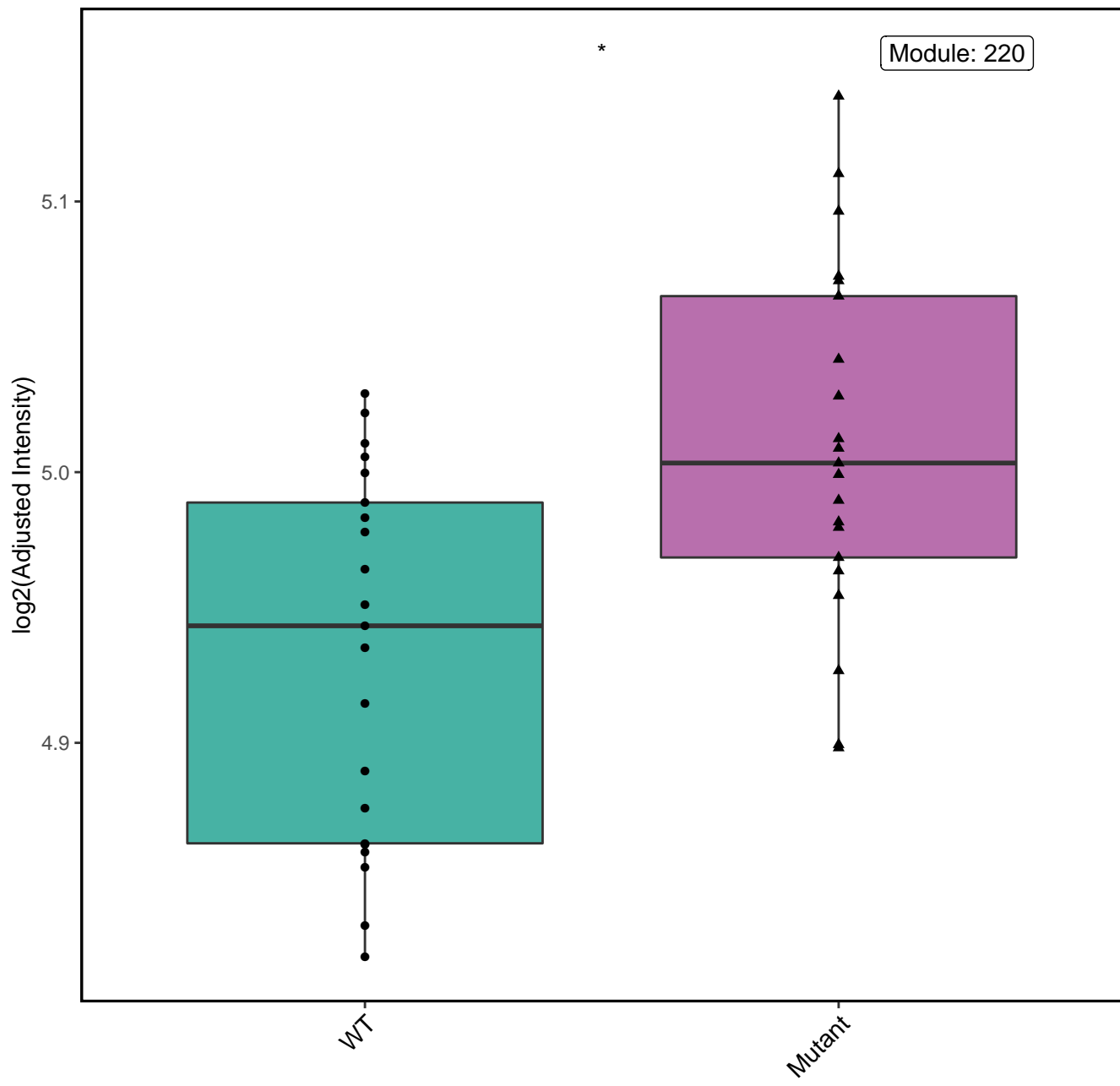


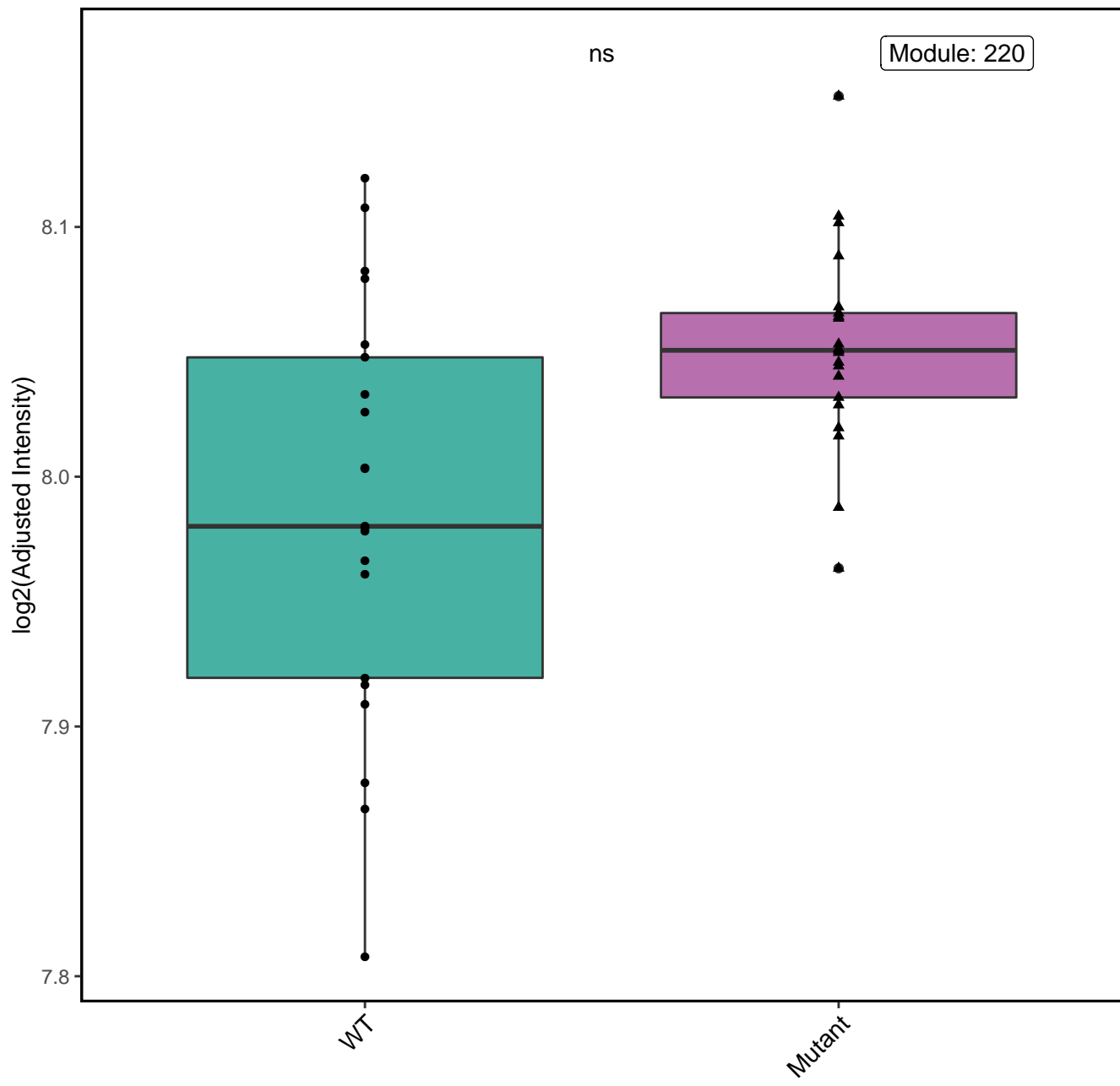


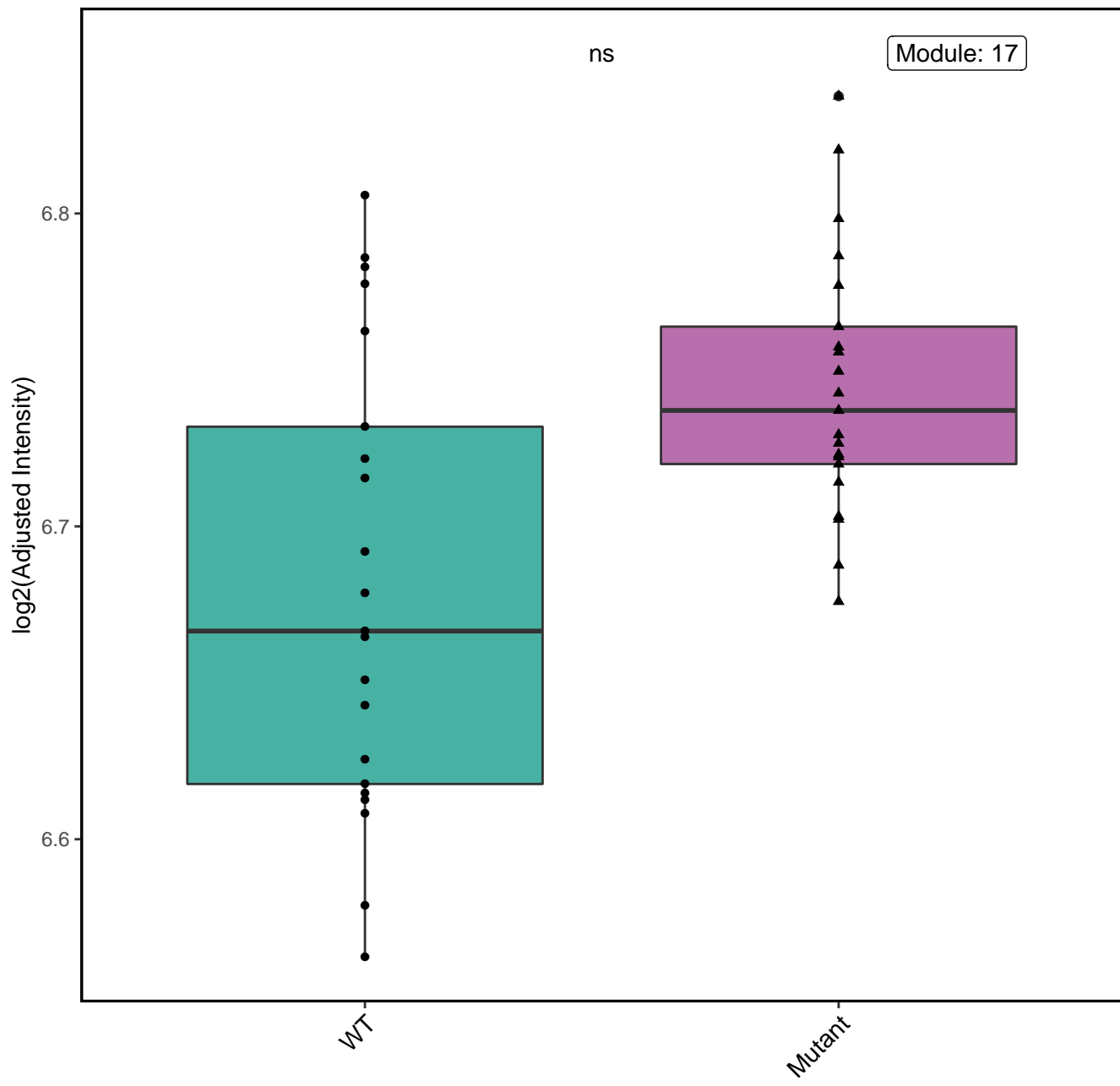


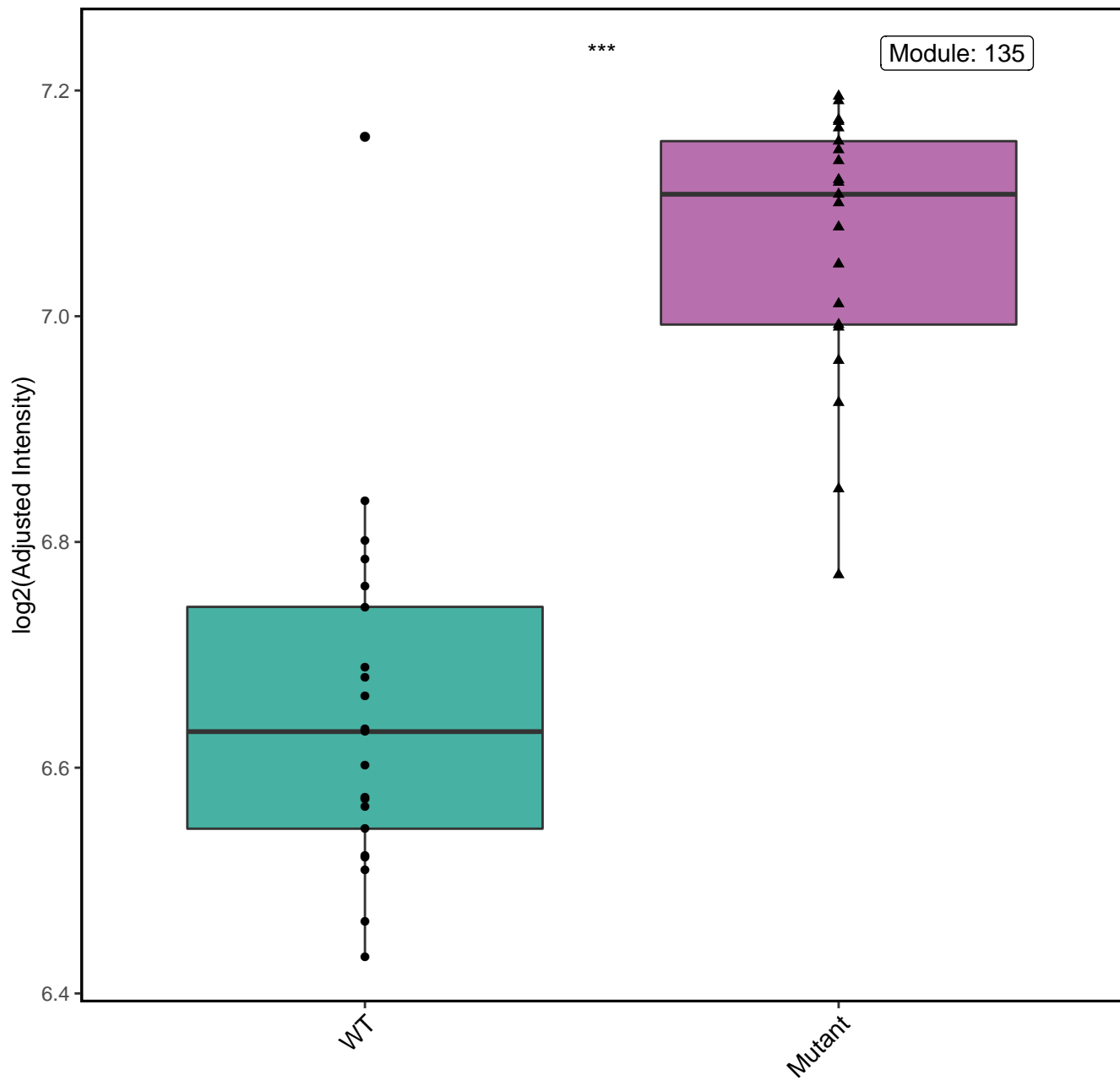


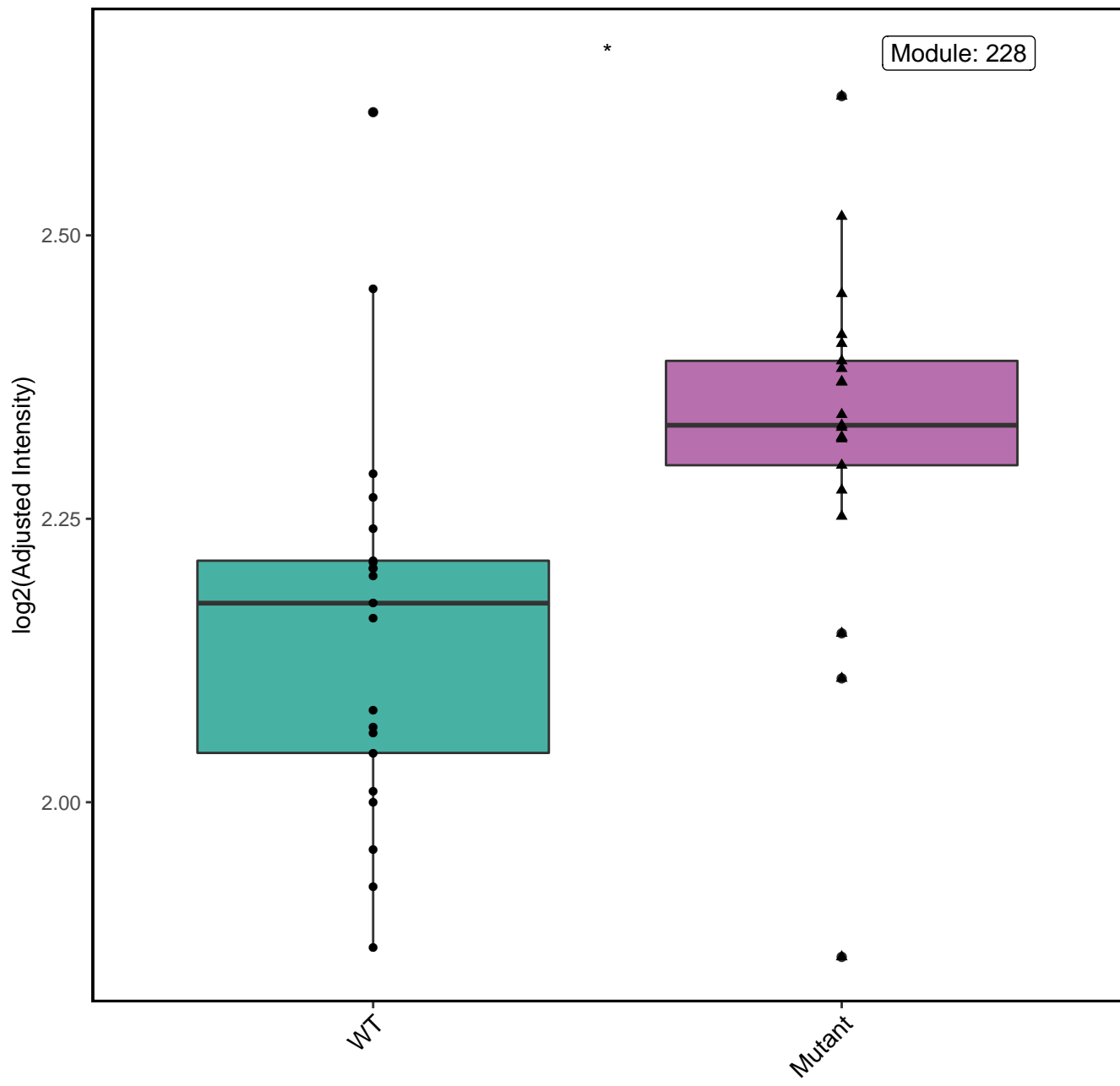




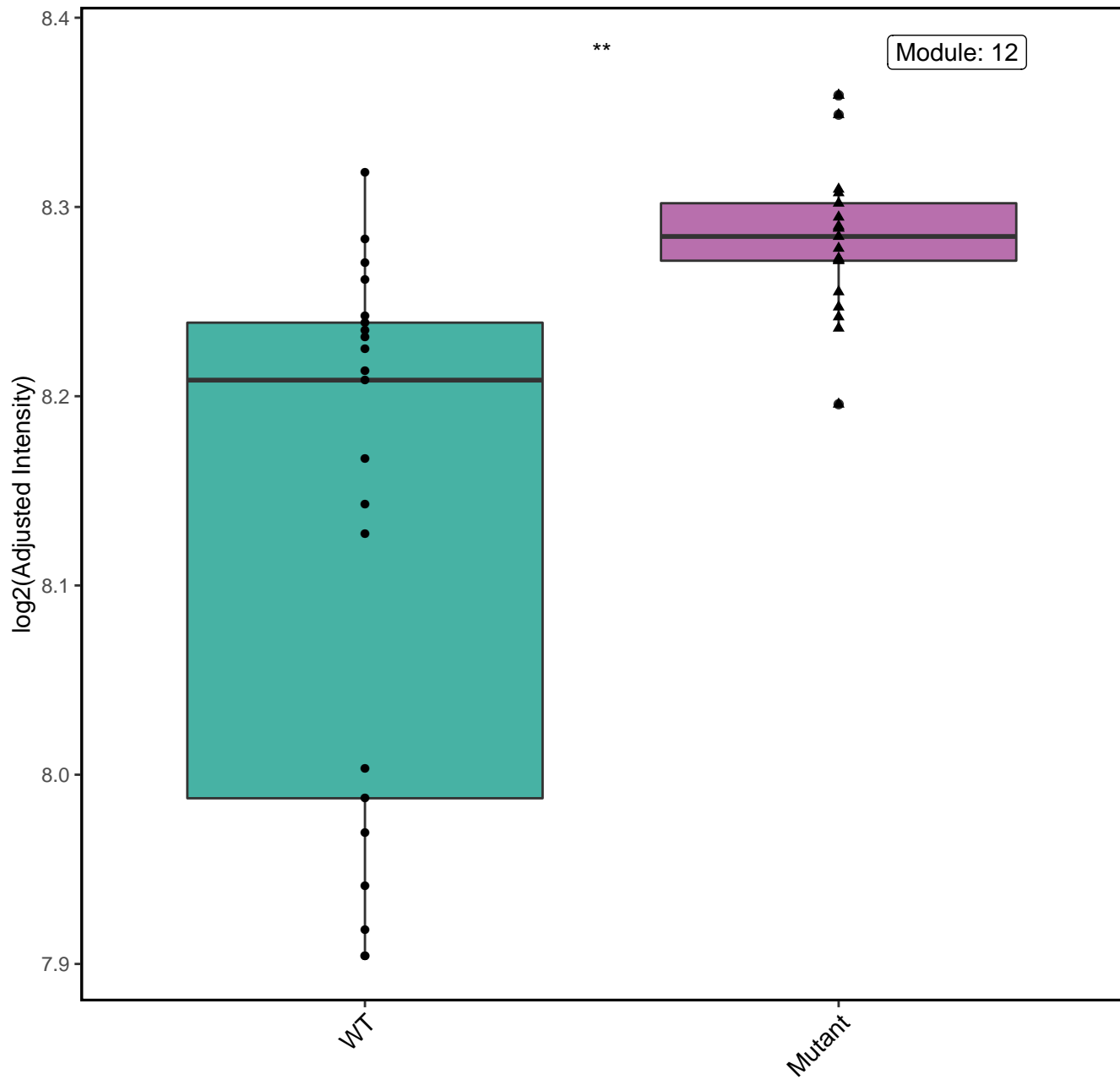


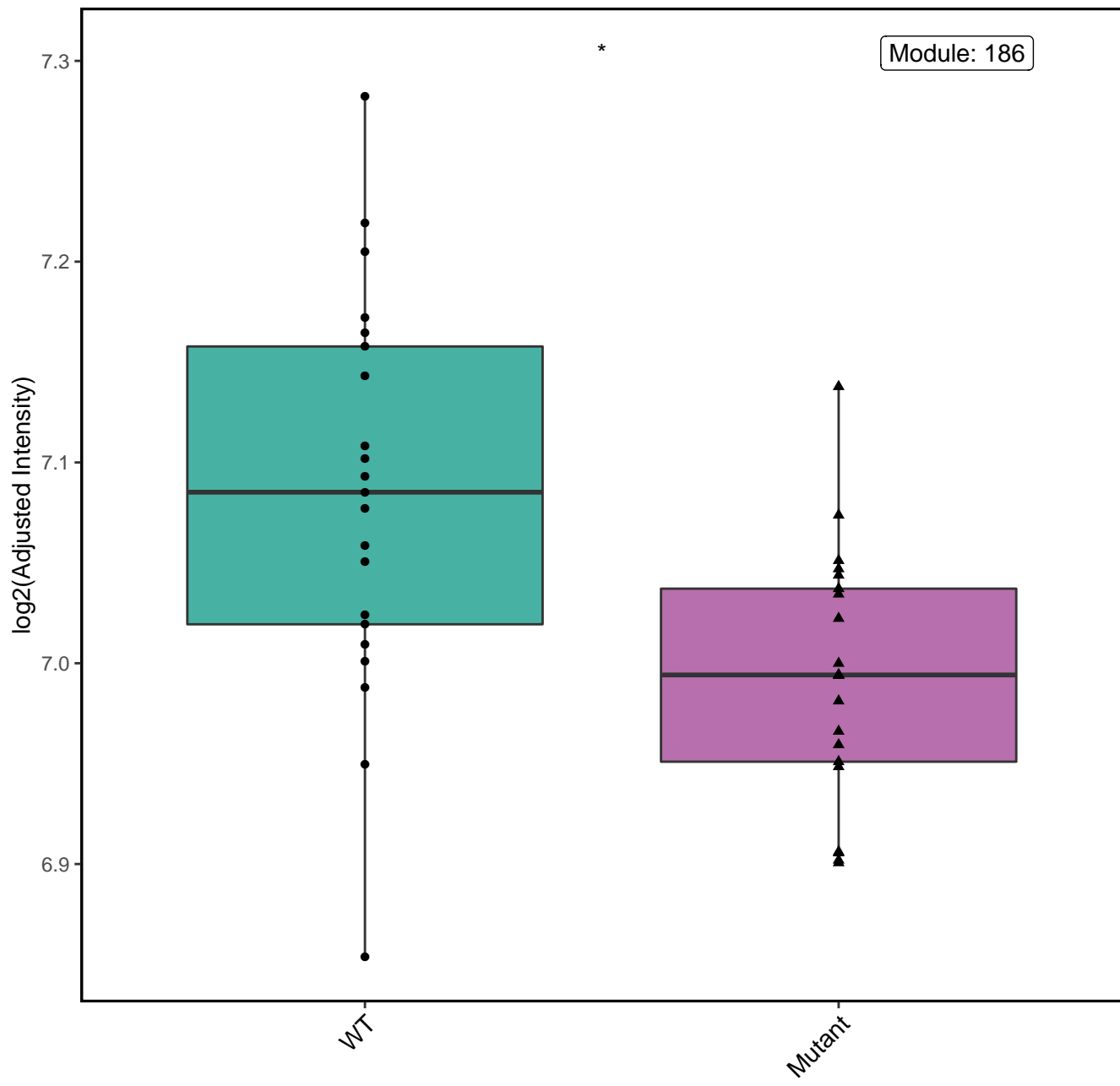












log2(Adjusted Intensity)

WT

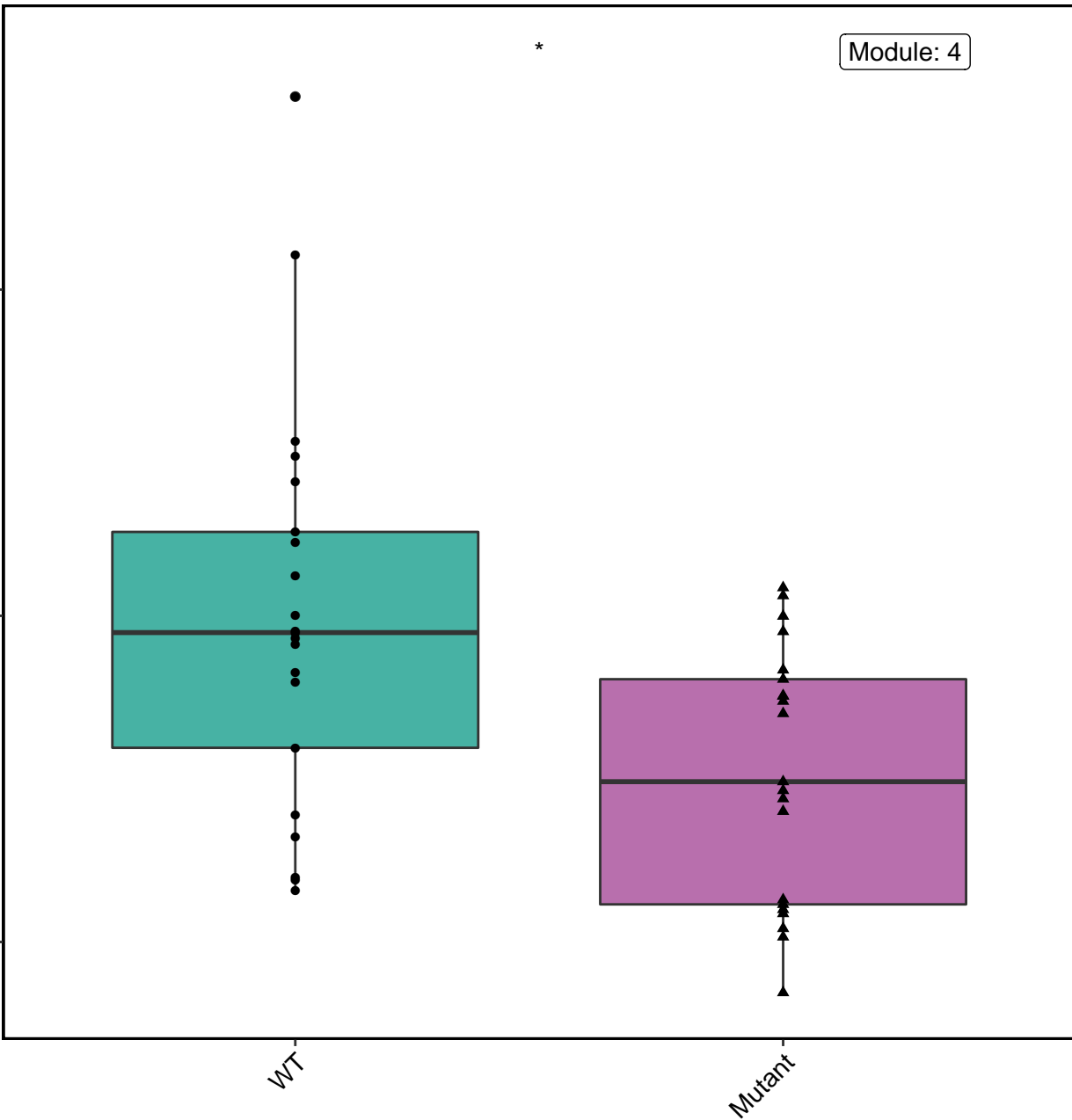
Mutant

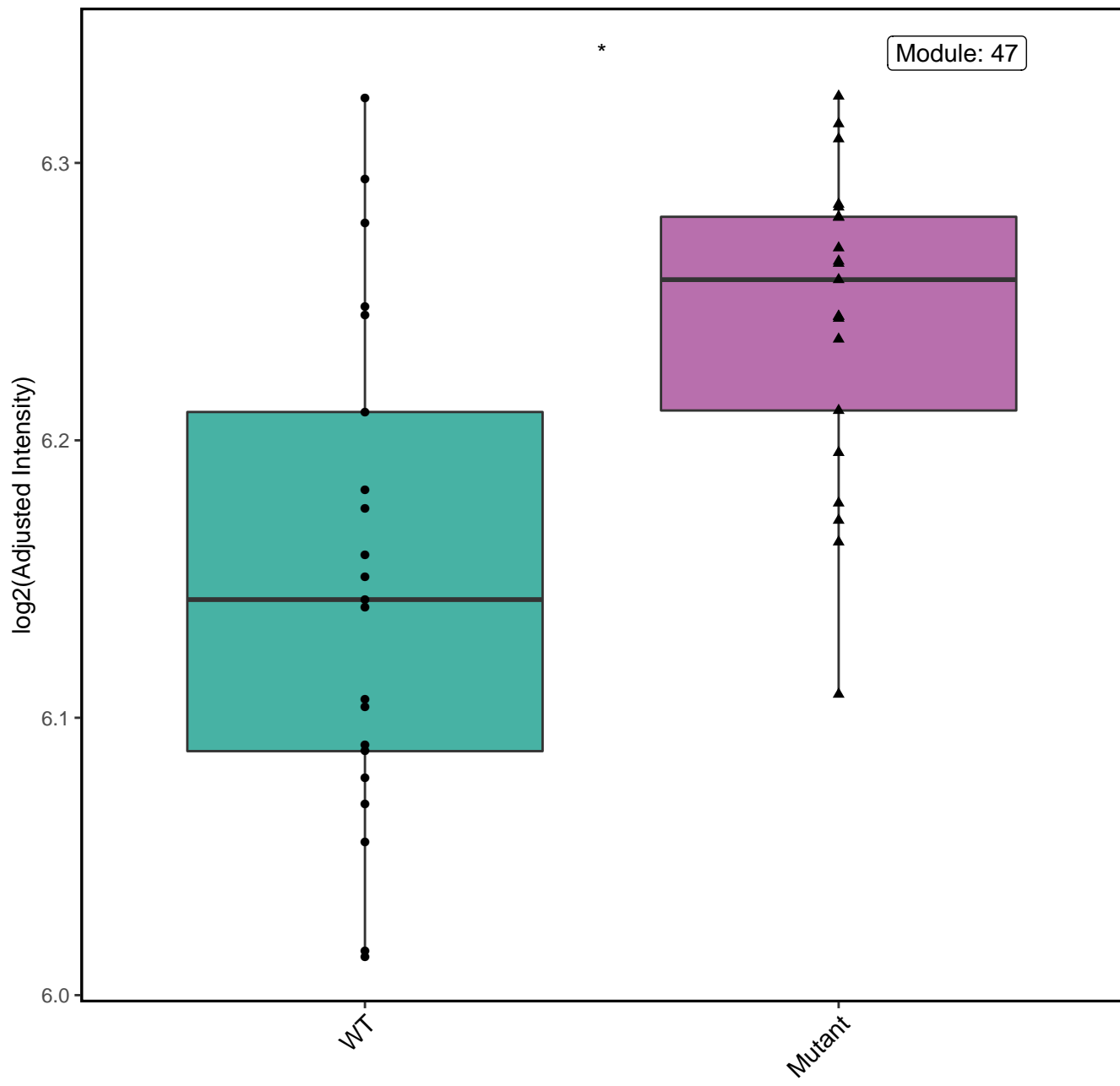
\*

10.0

9.8

9.6



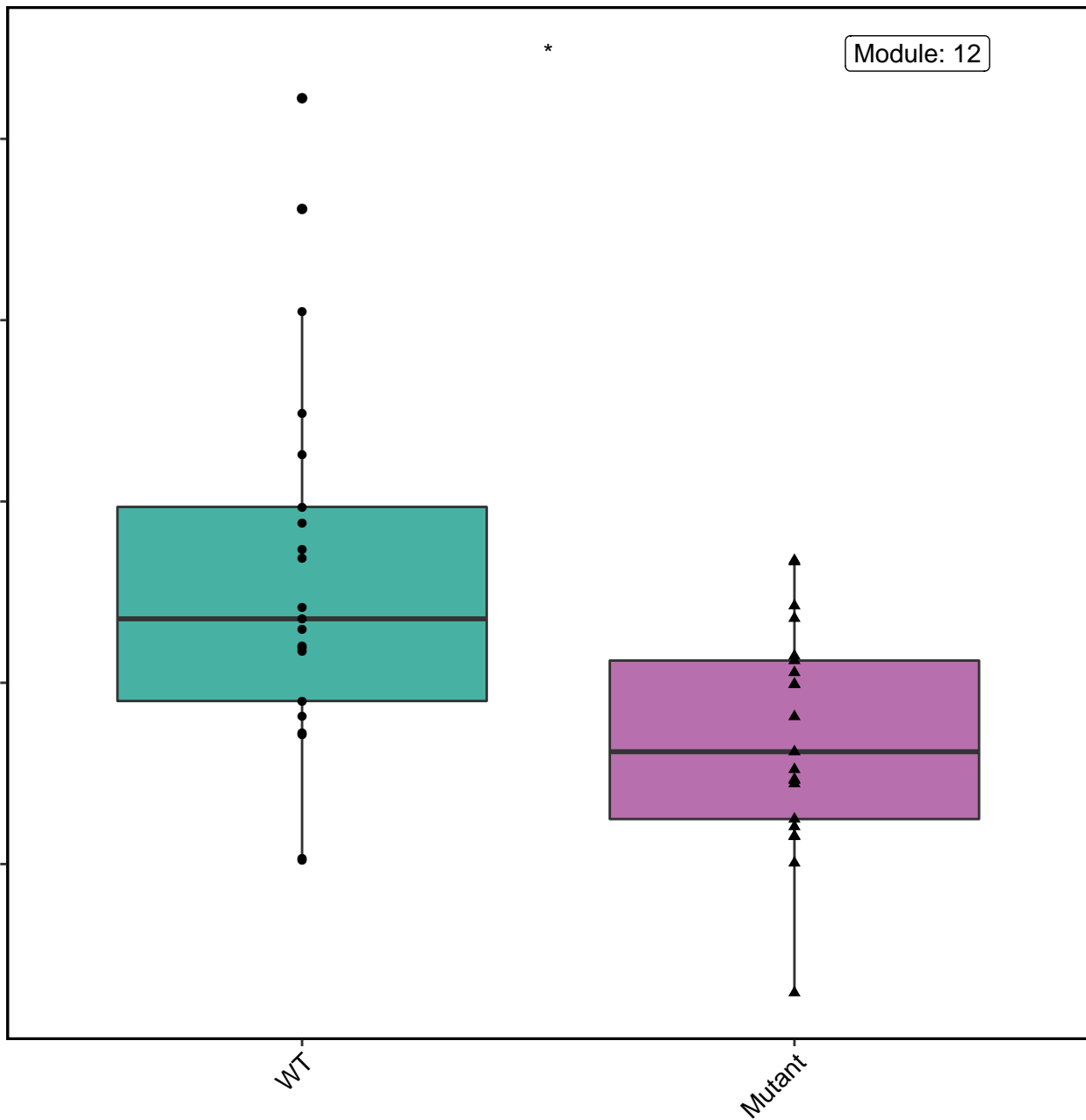


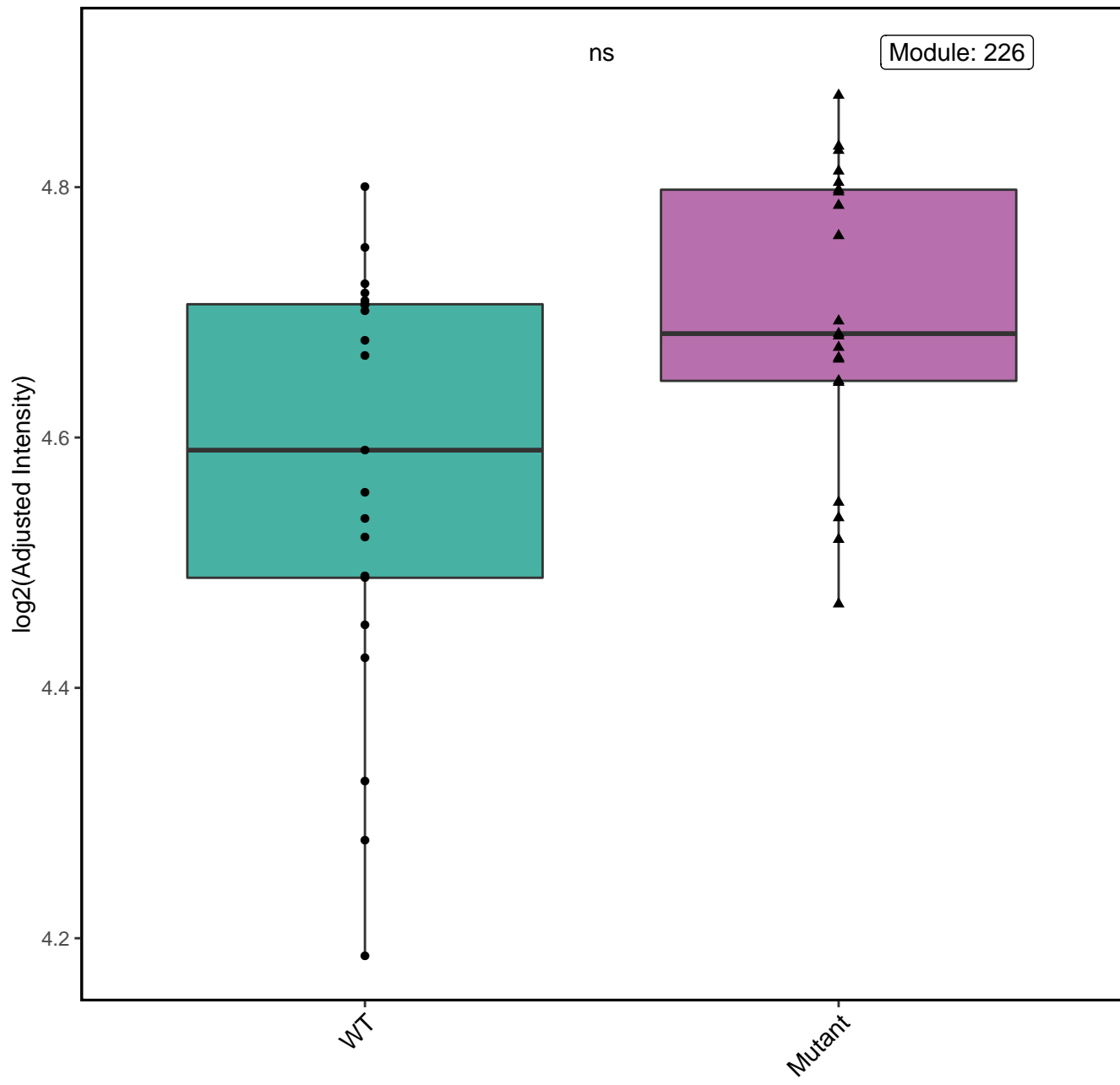
log2(Adjusted Intensity)

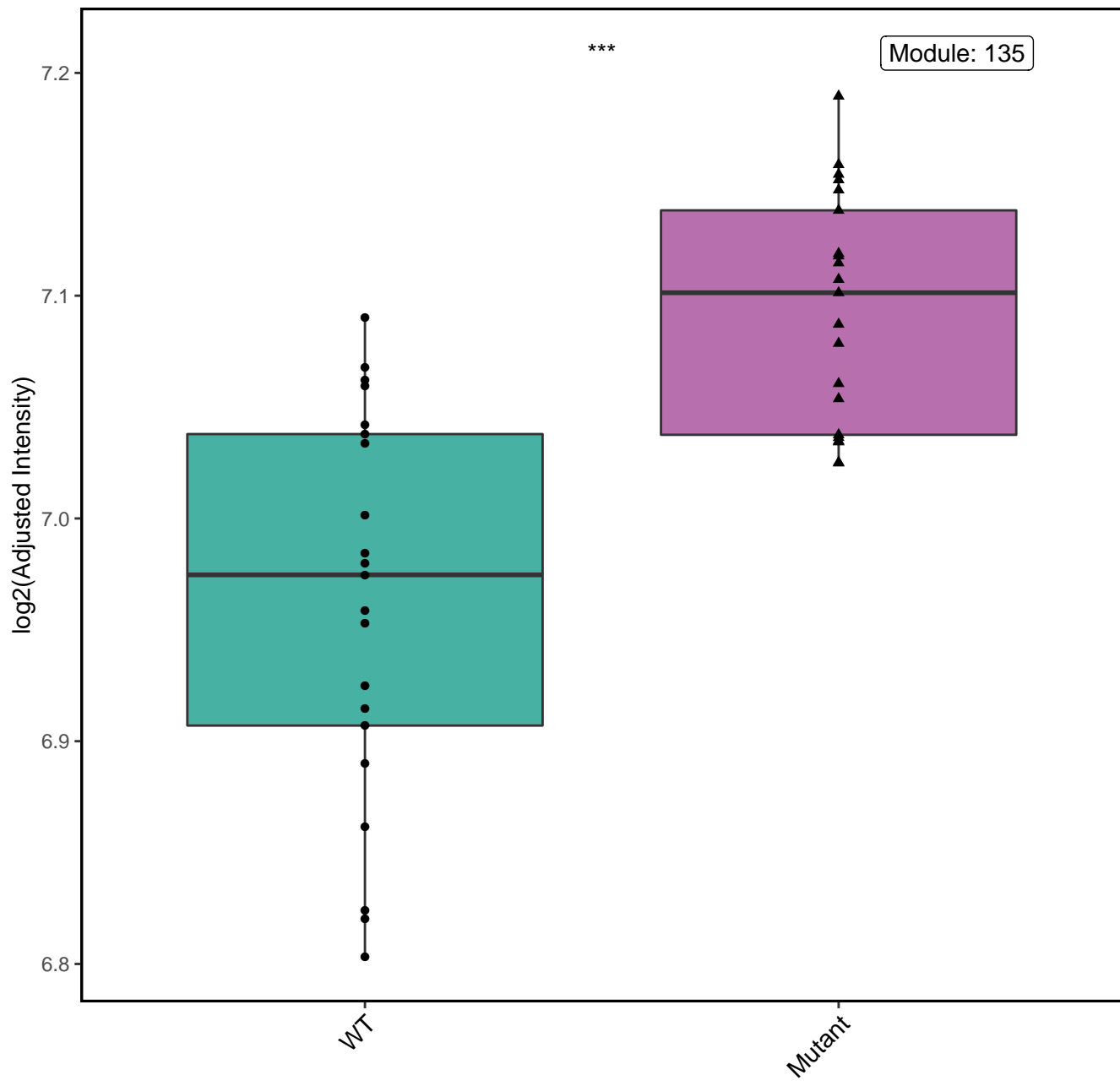
WT

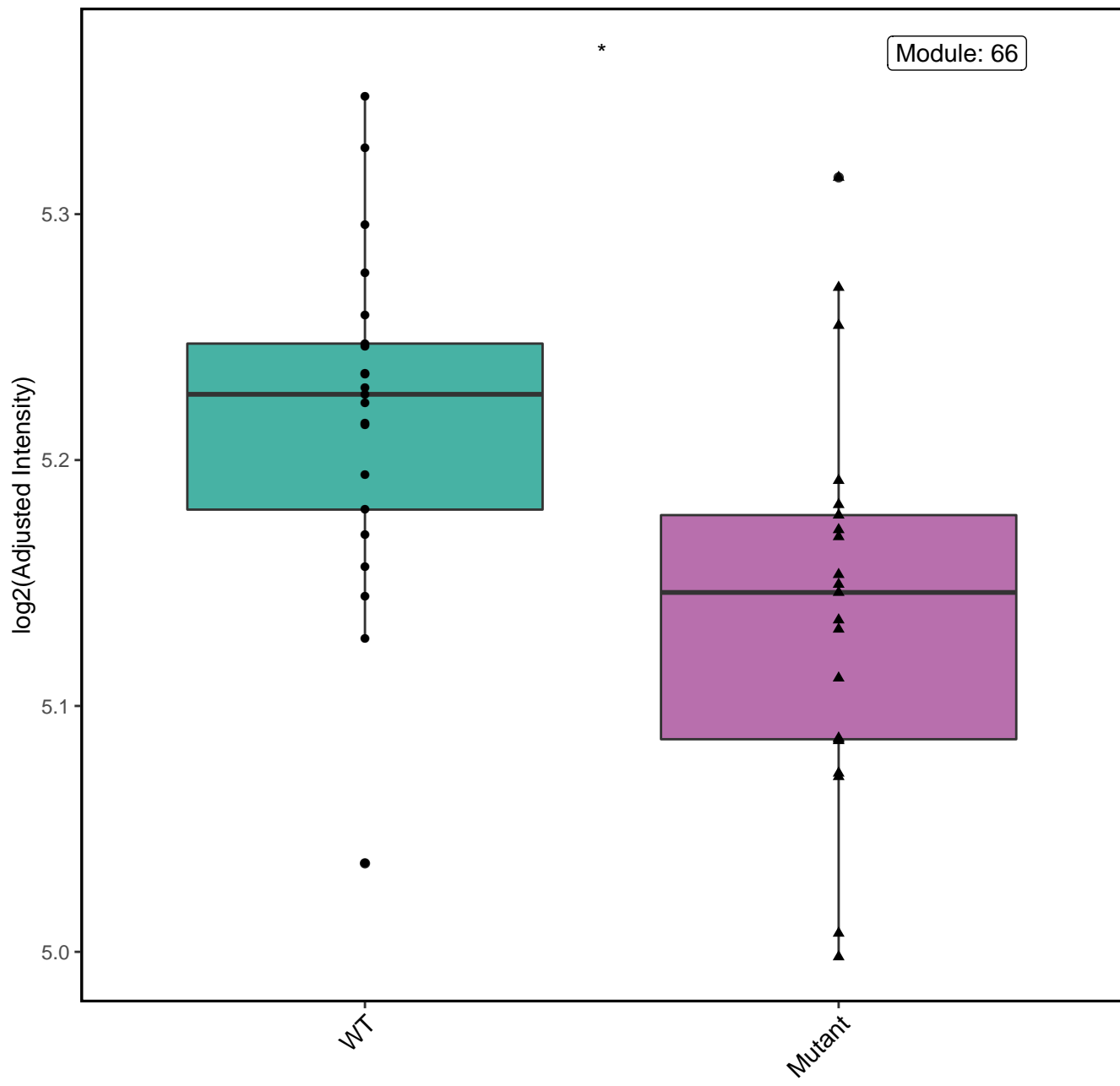
Mutant

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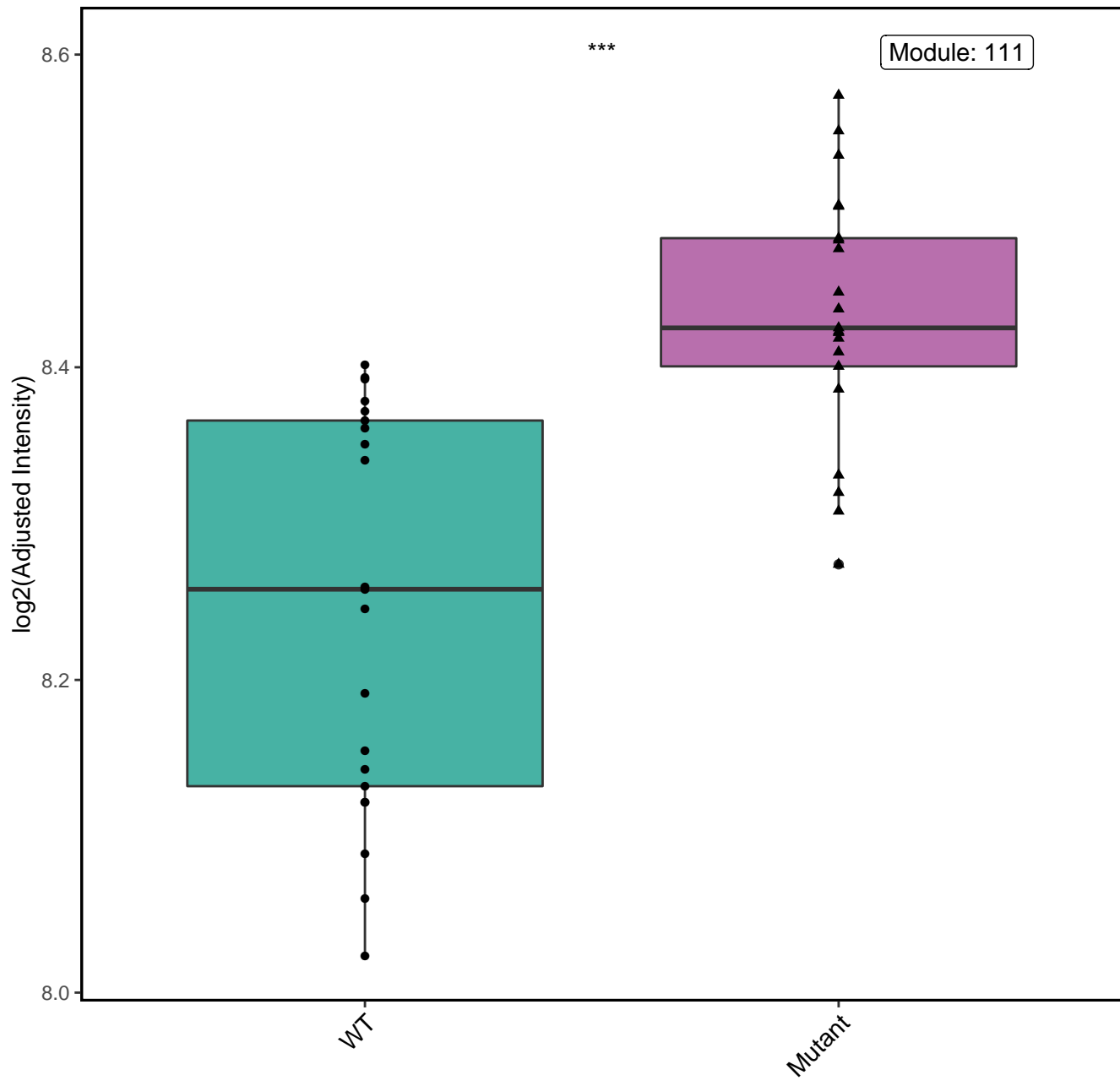
8.6  
8.7  
8.8  
8.9  
9.0

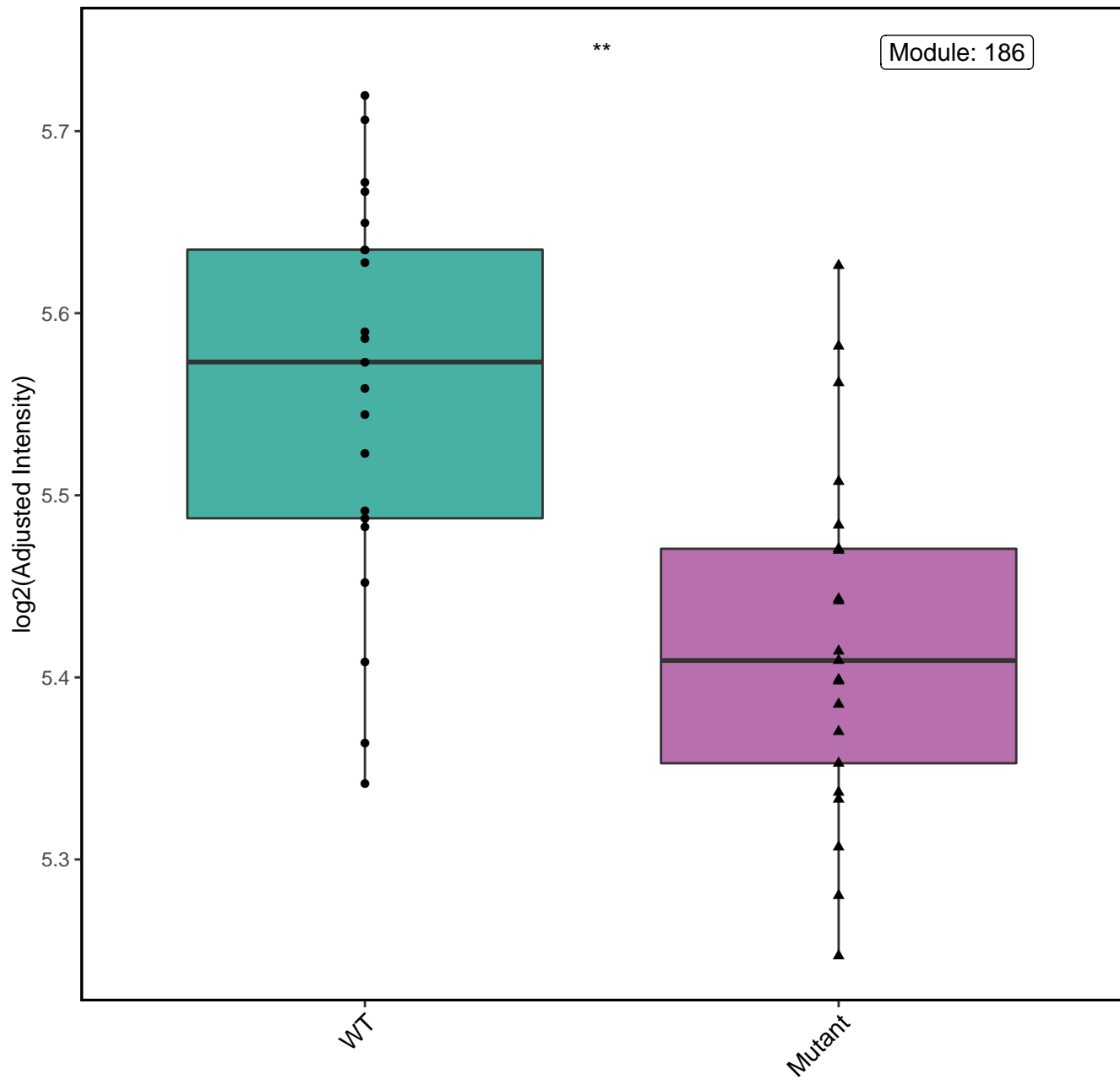


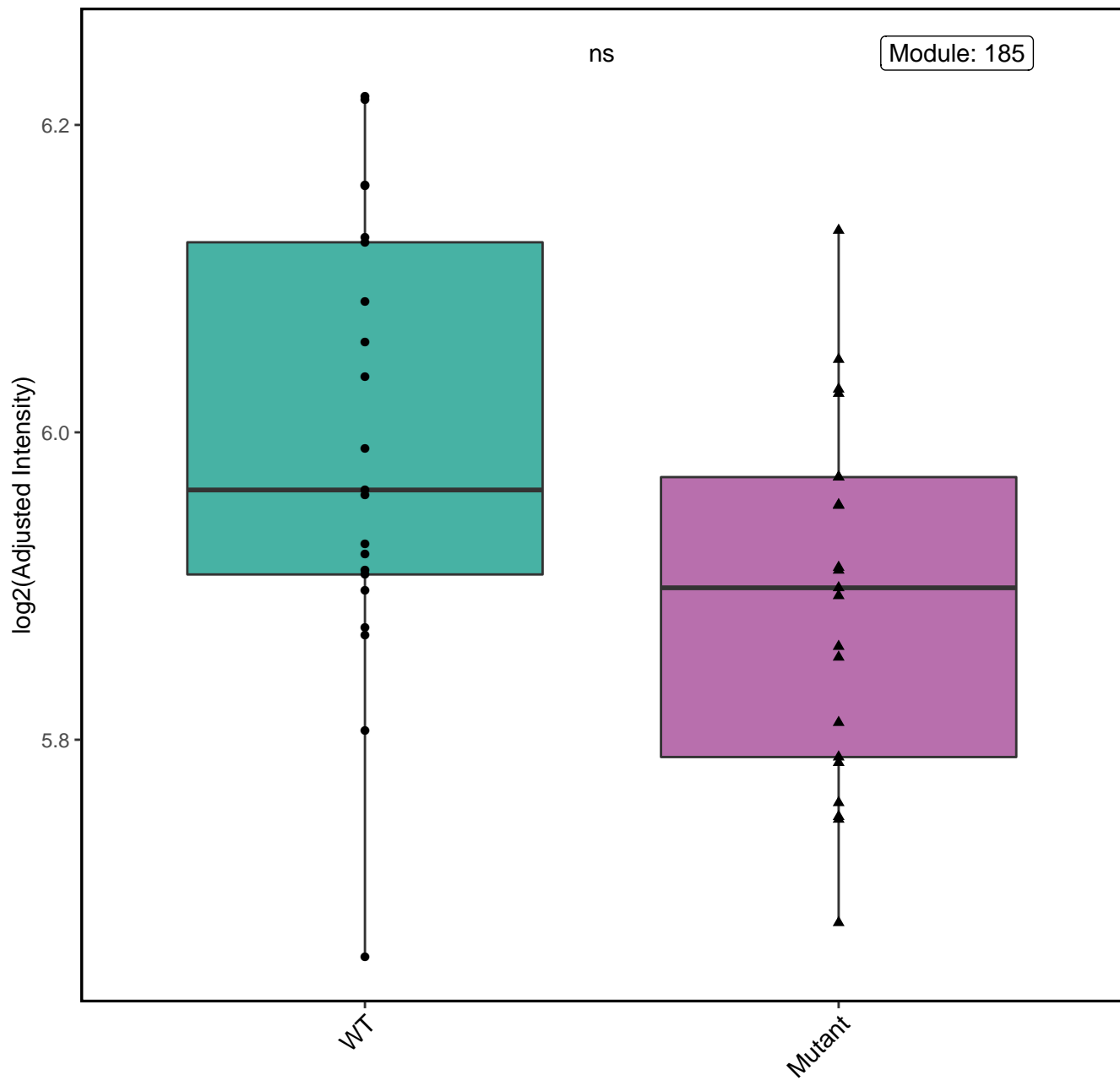


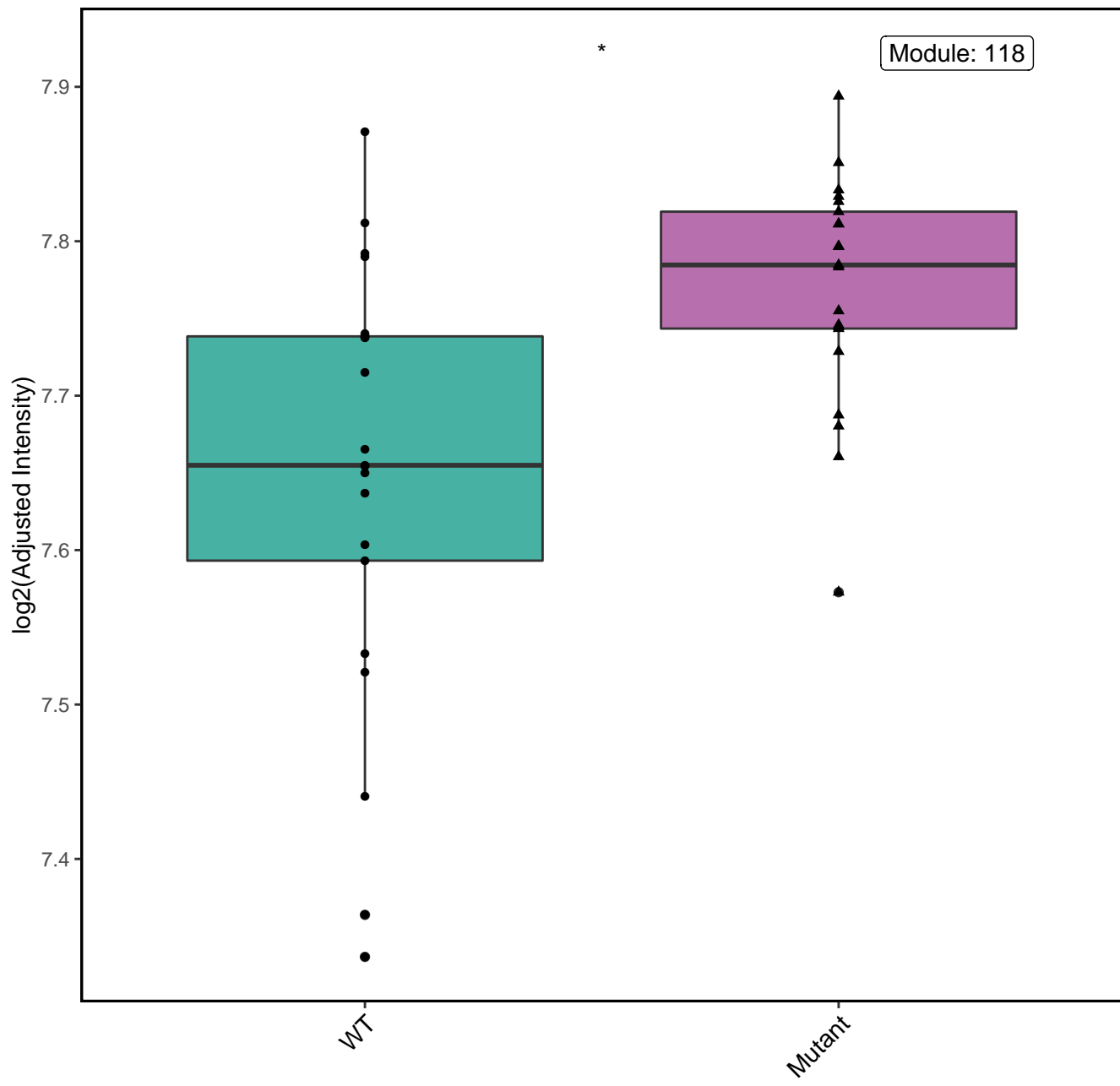


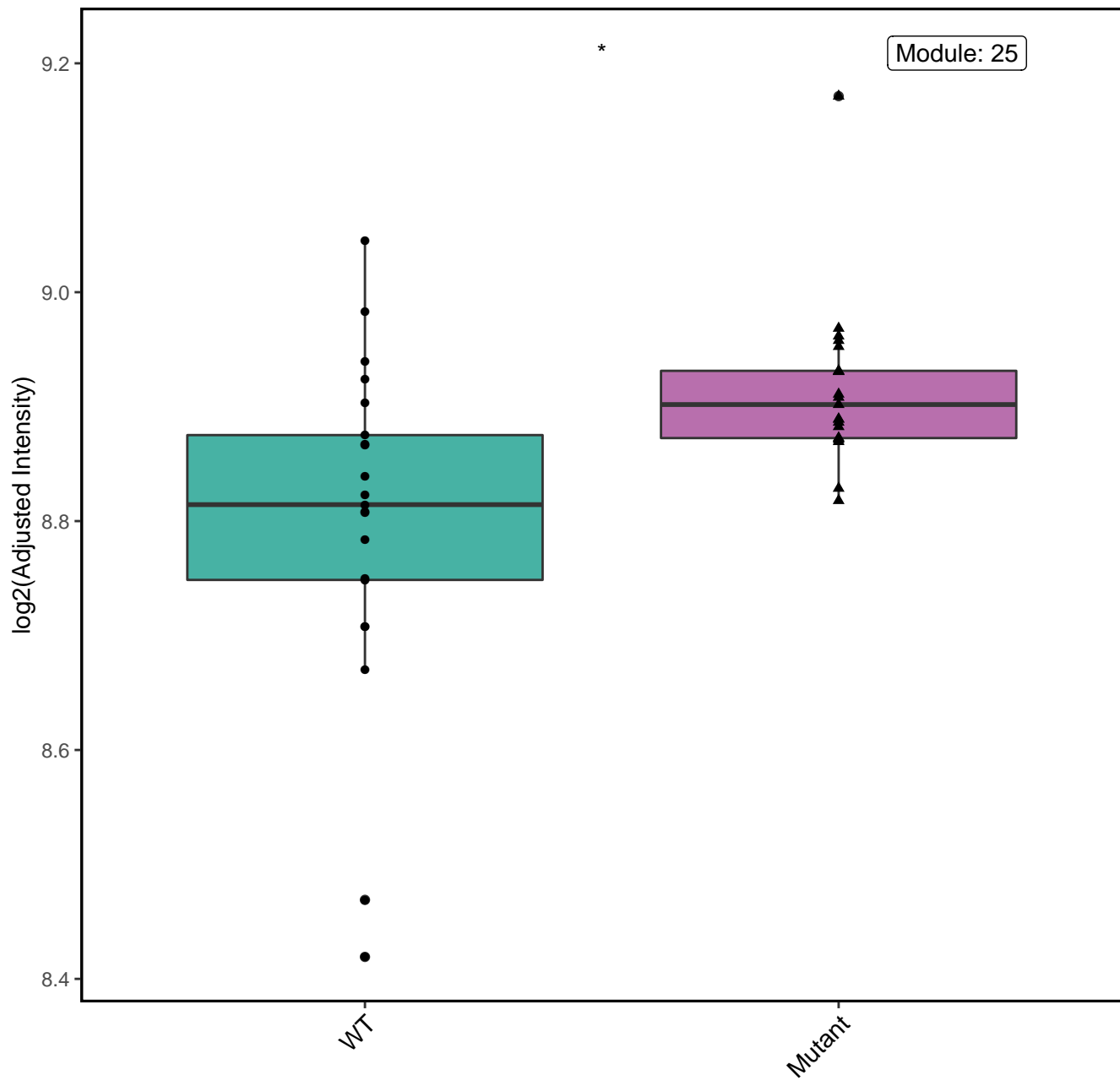


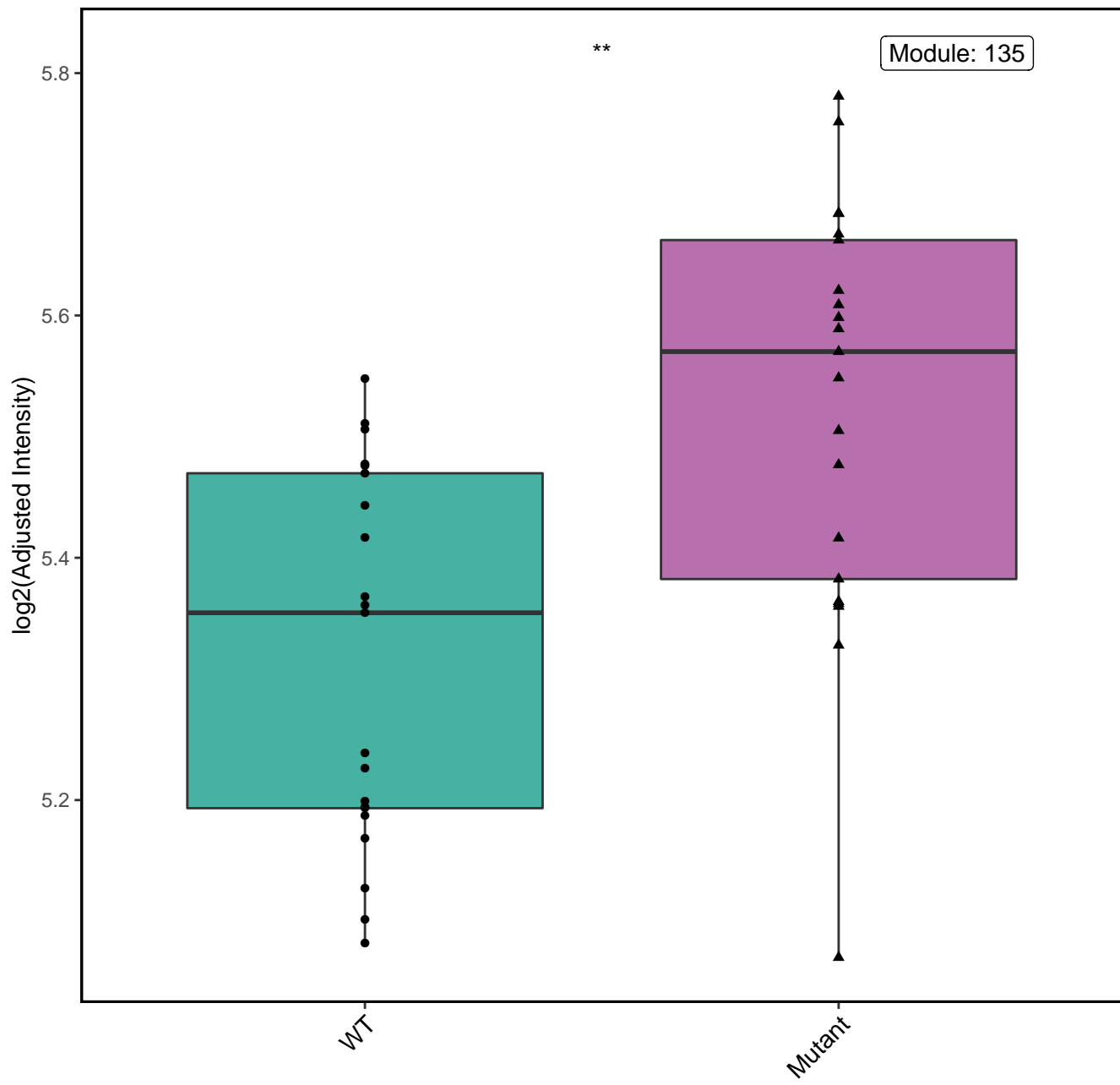












log2(Adjusted Intensity)

5.6

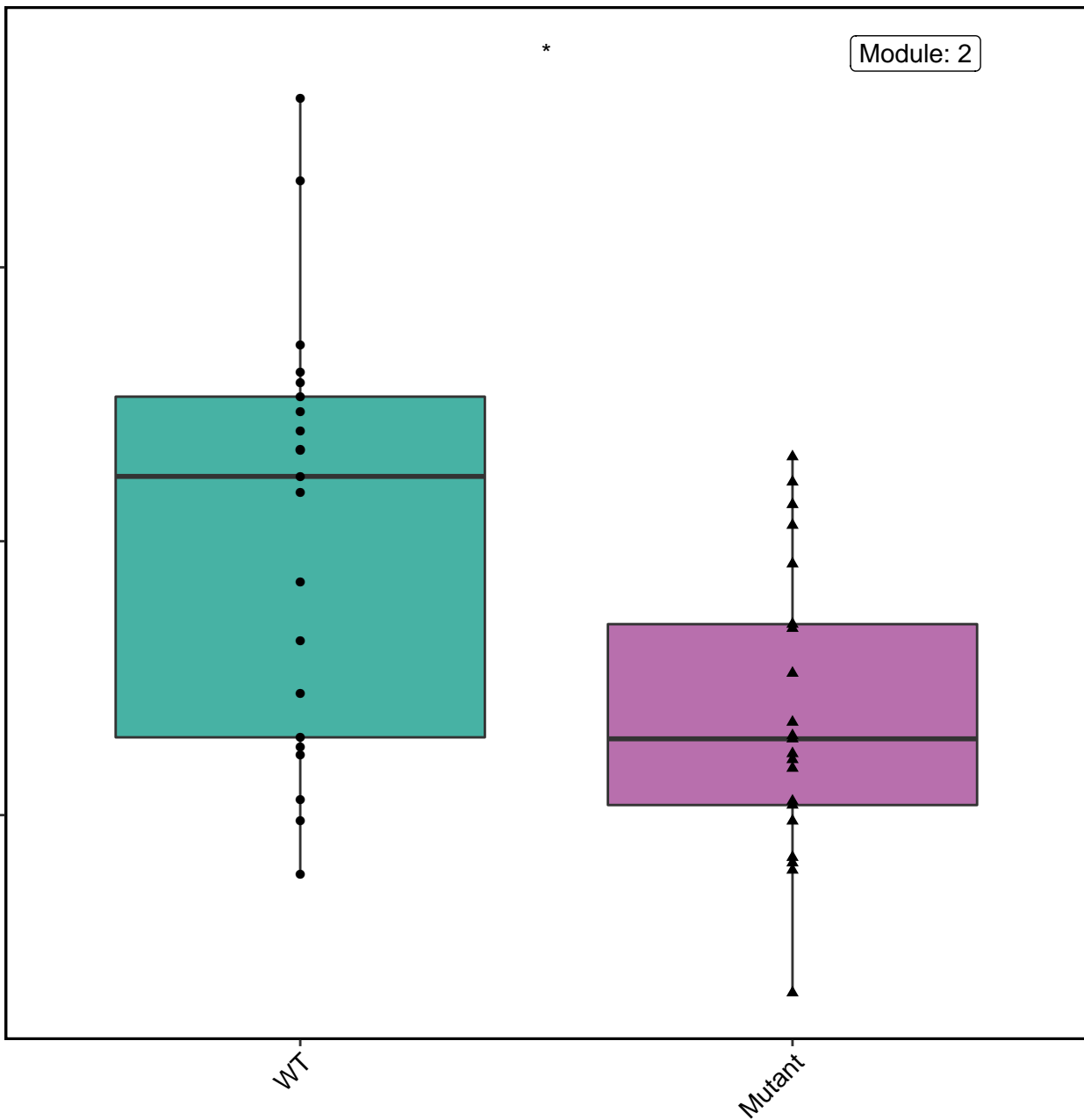
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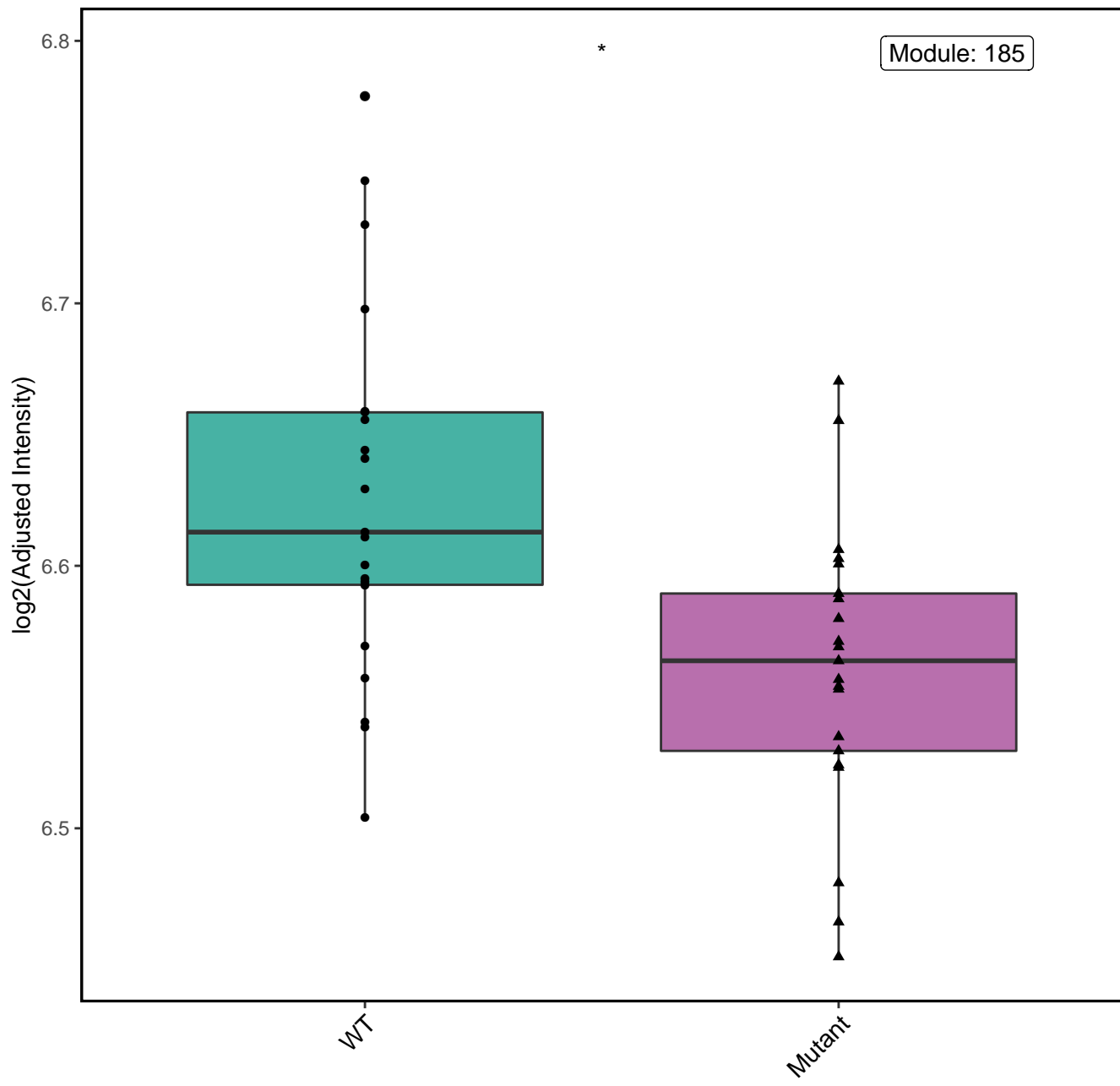
5.2

WT

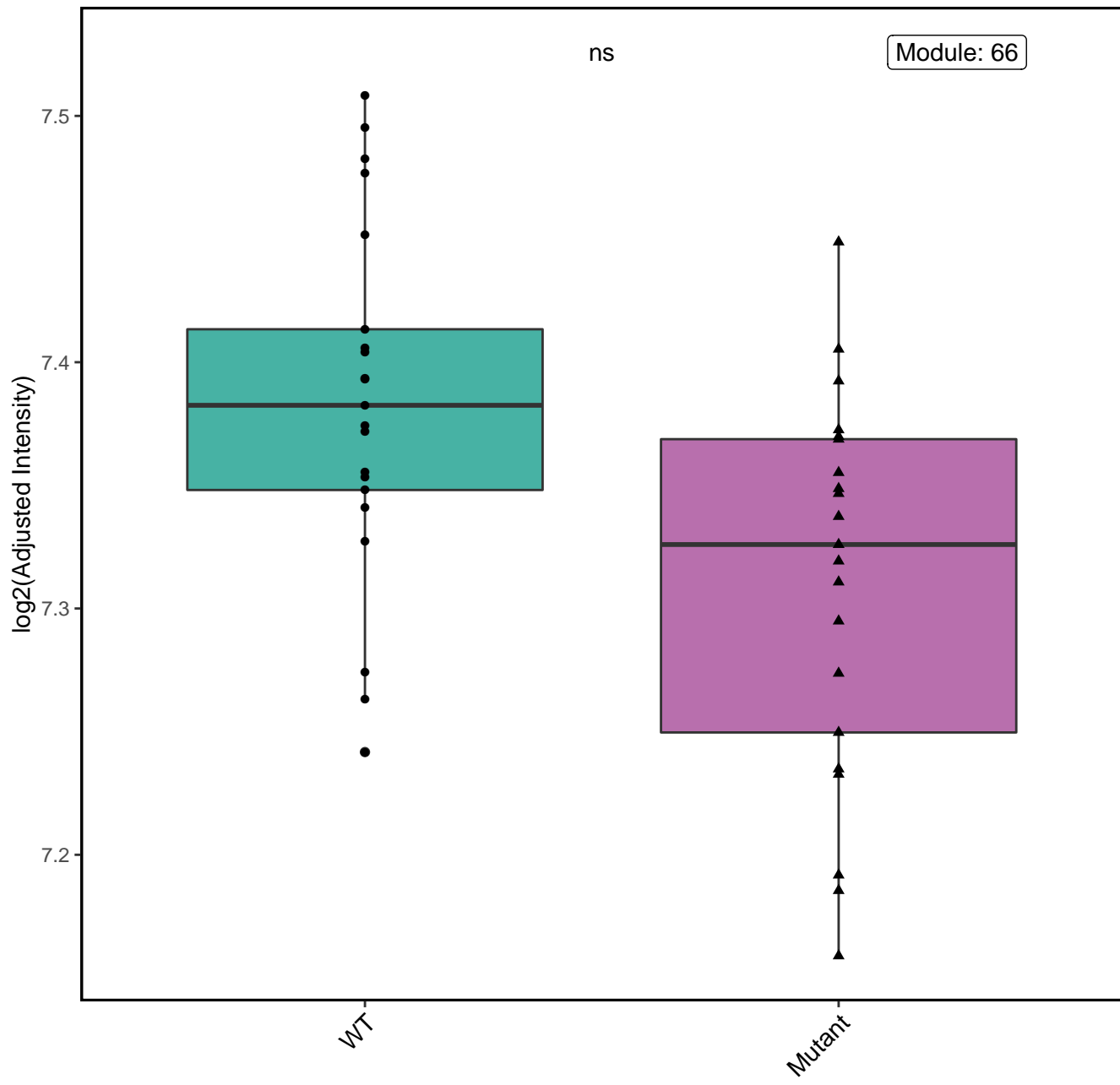
Mutant

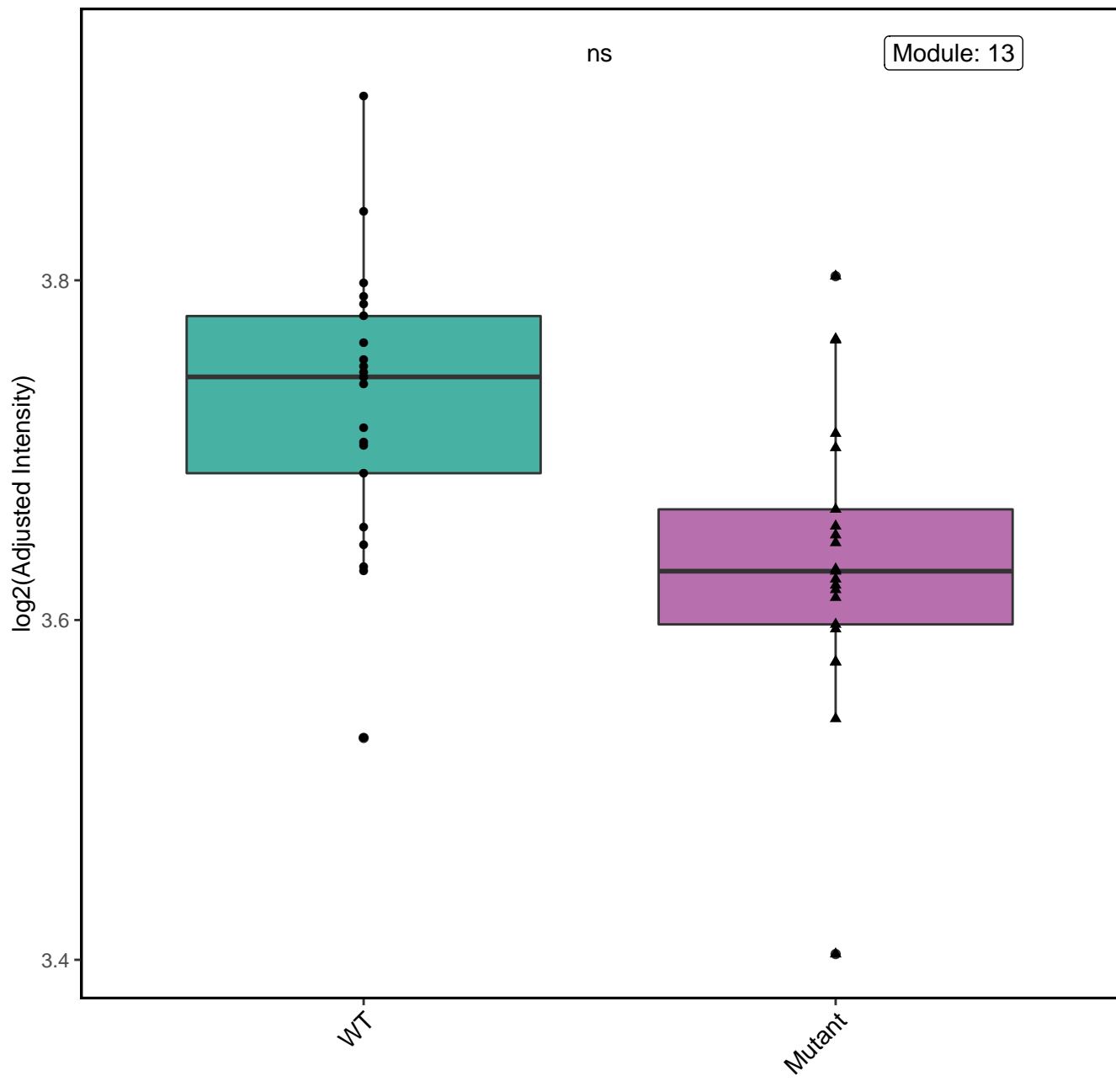
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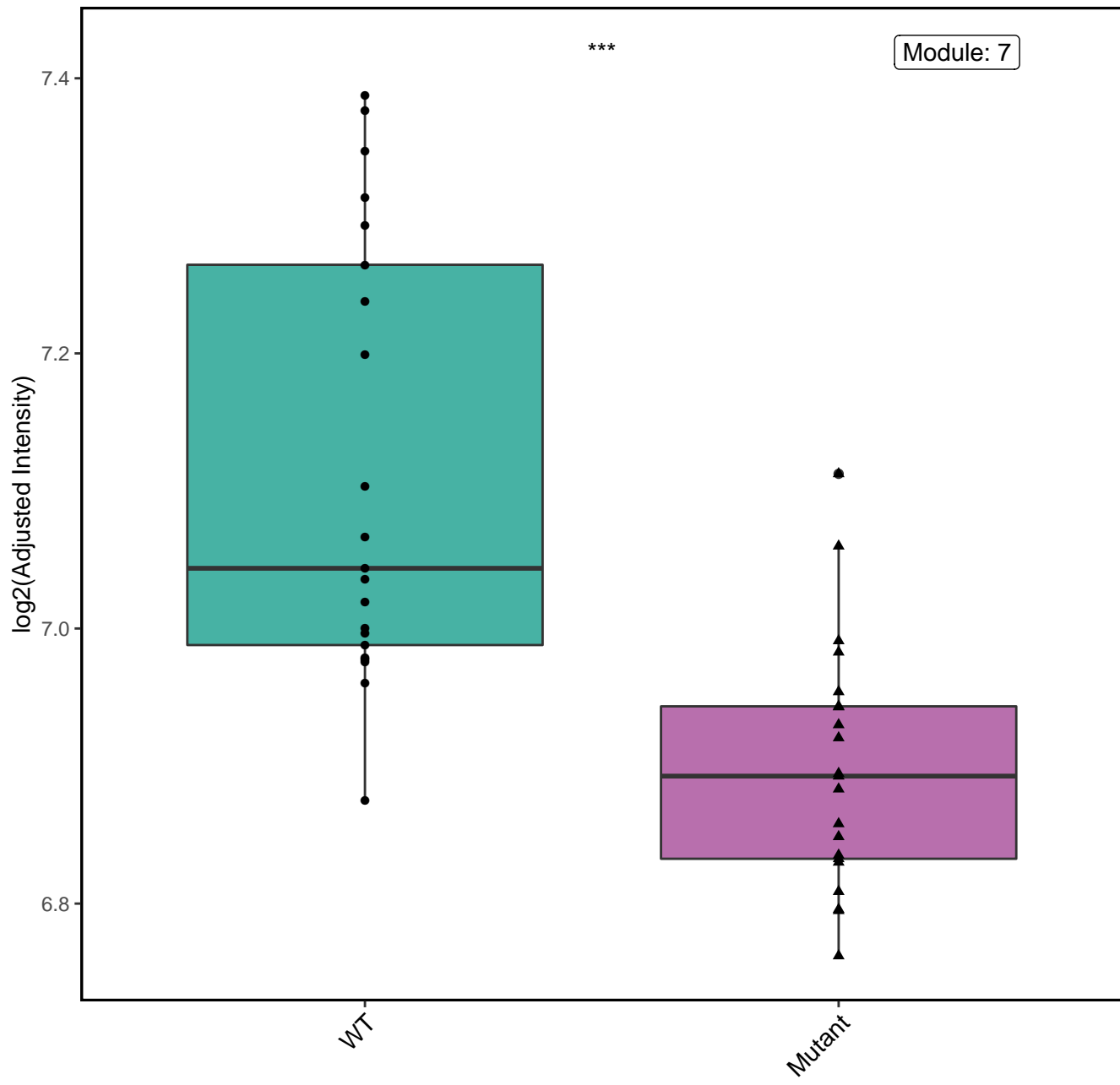


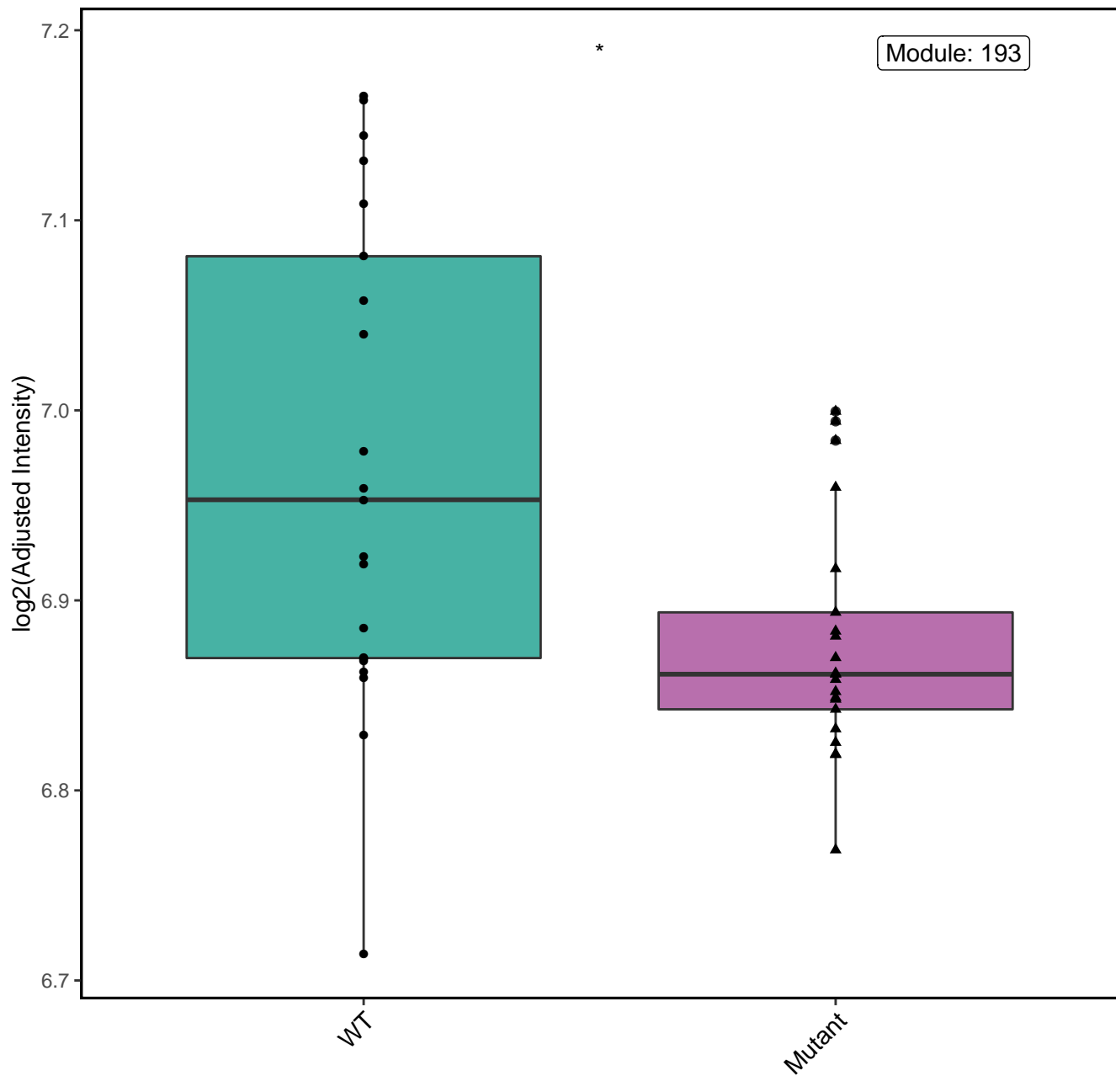


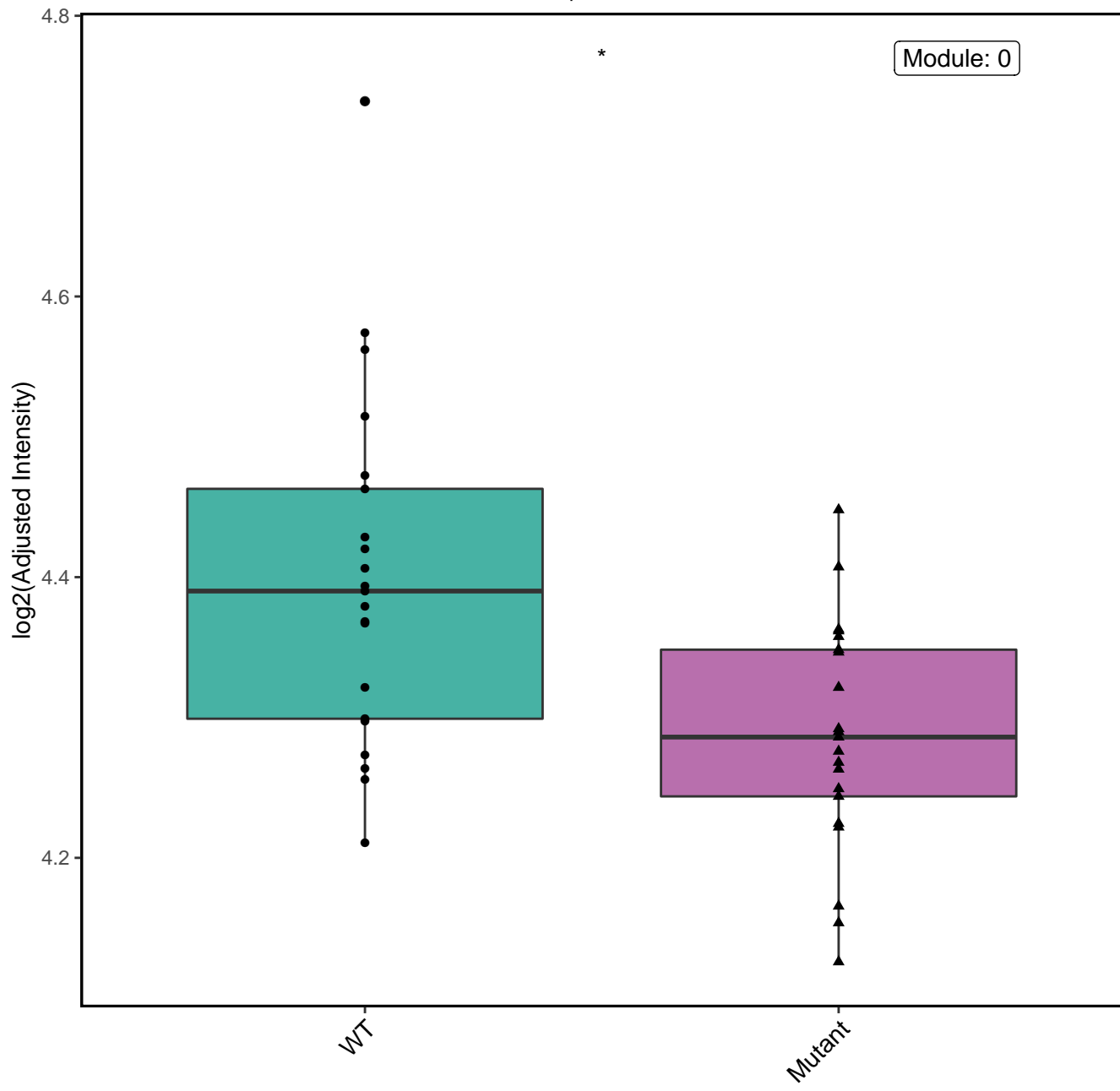












log2(Adjusted Intensity)

8.0

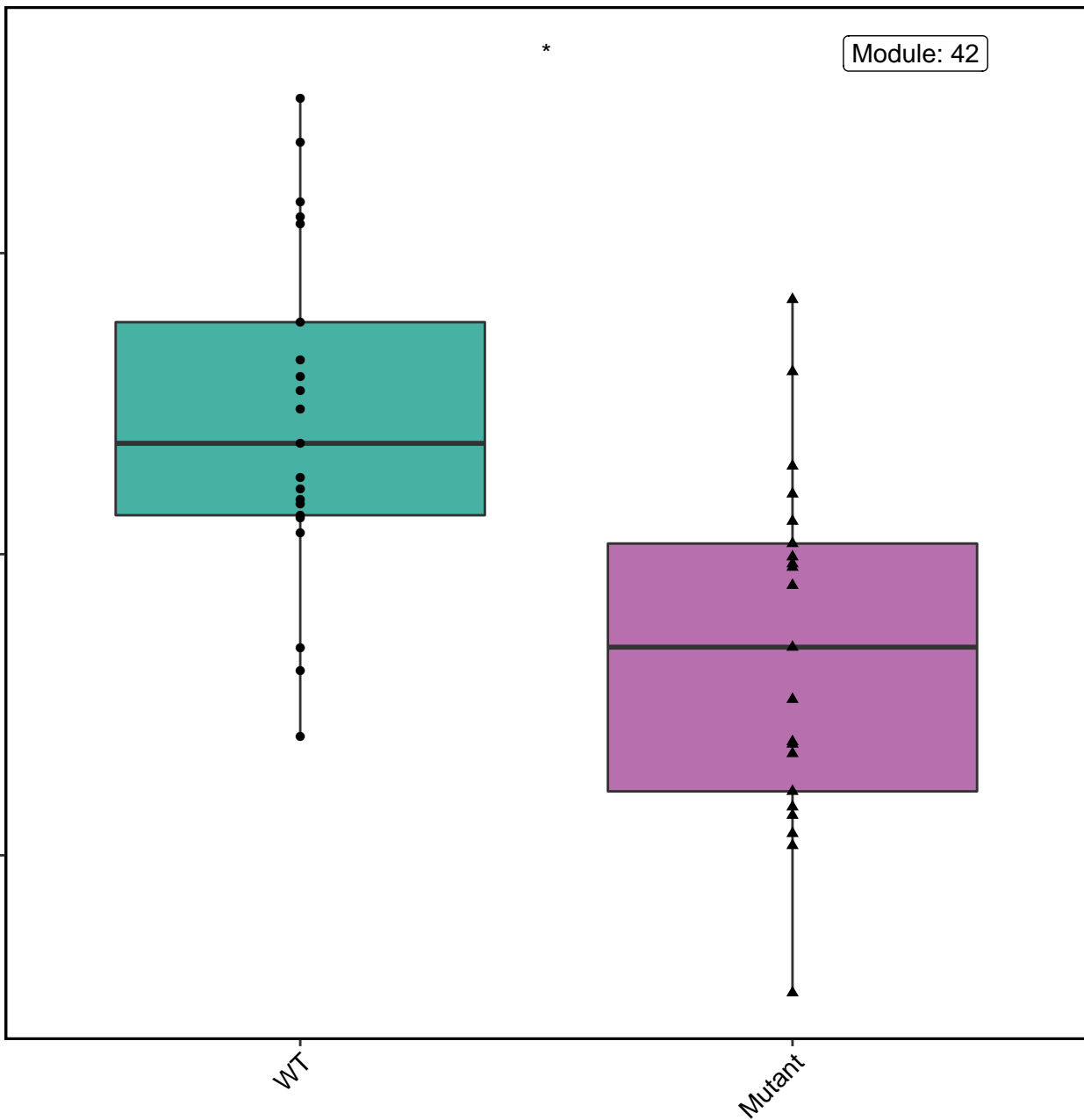
7.9

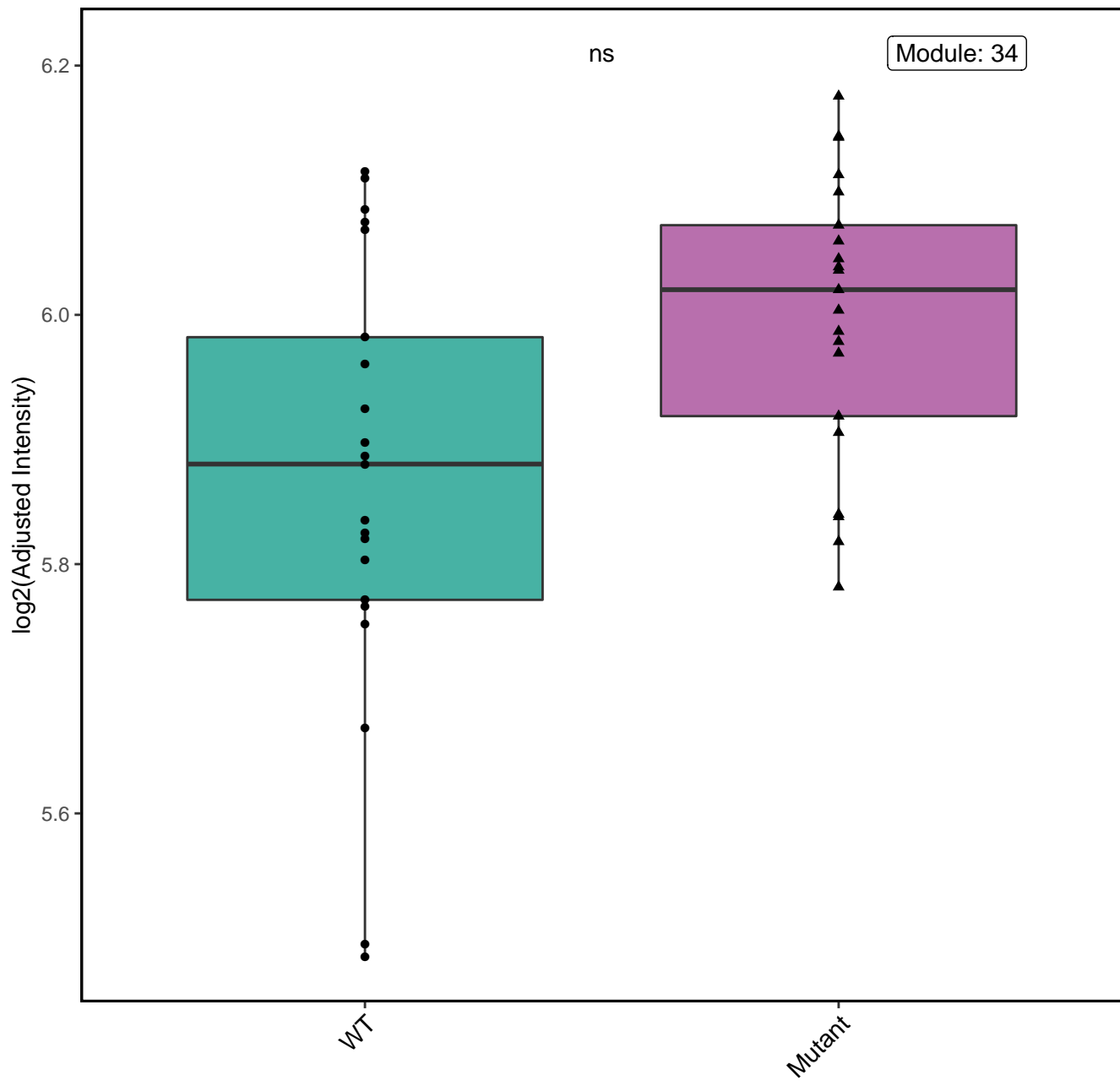
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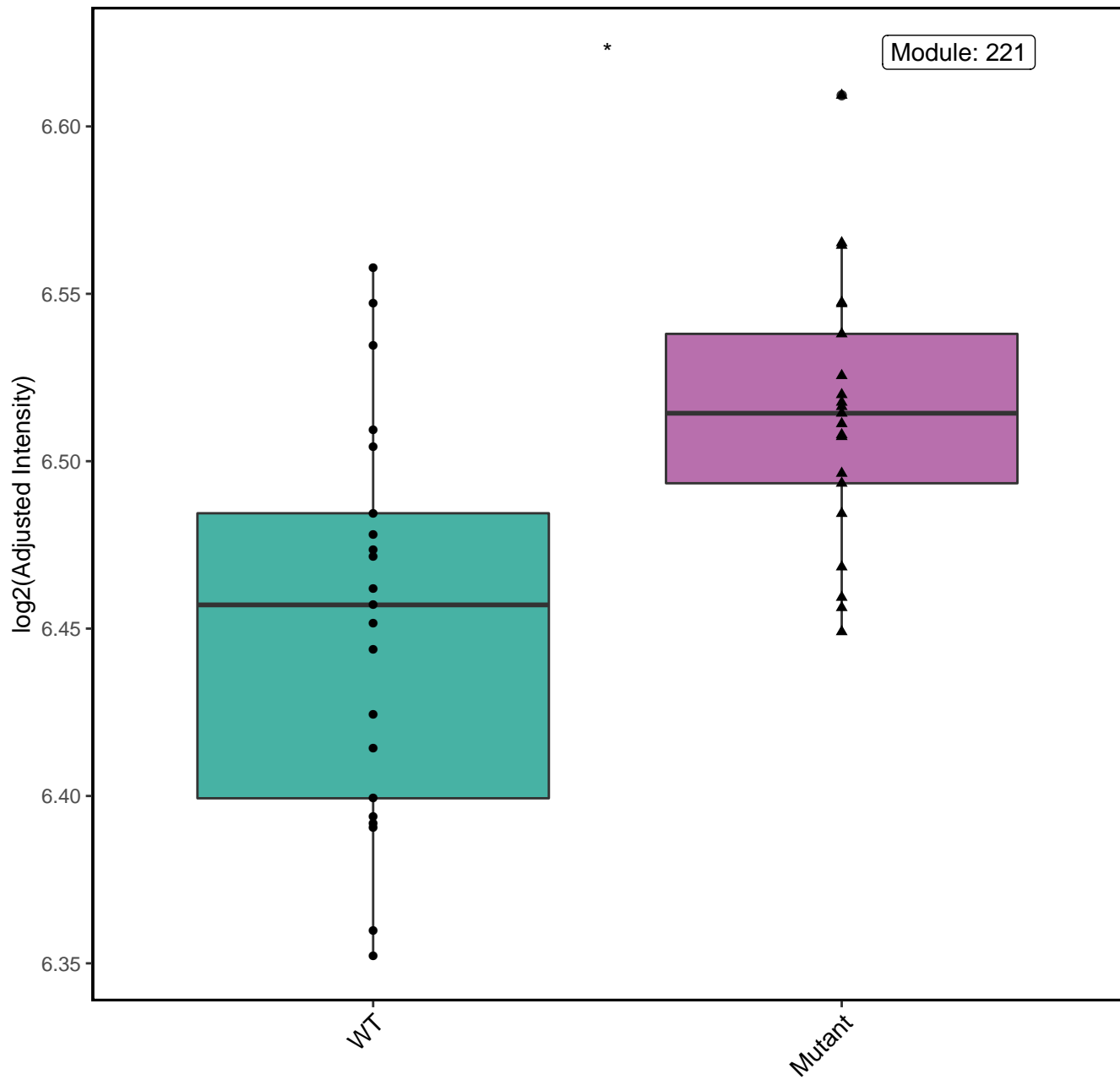
WT

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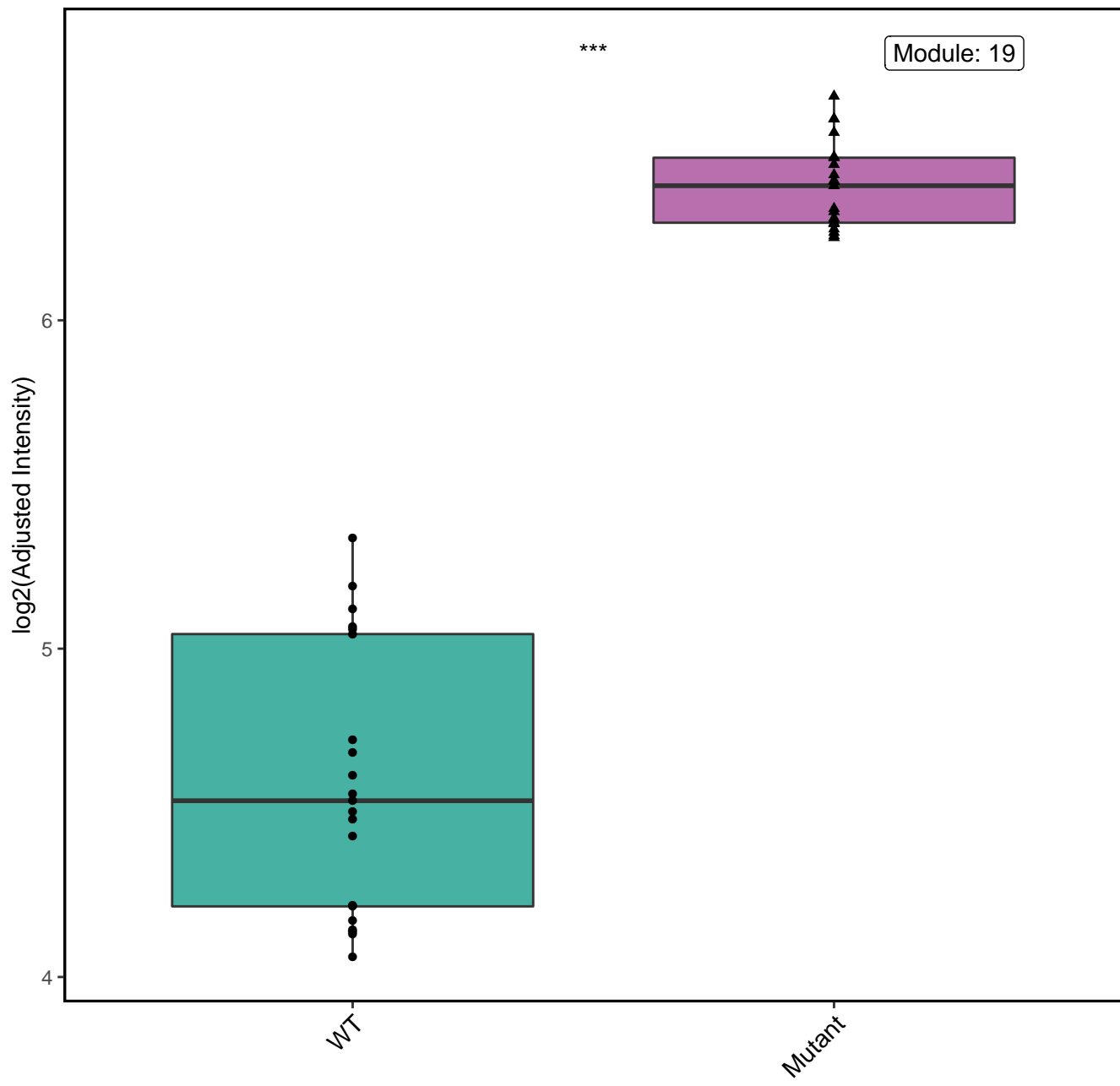
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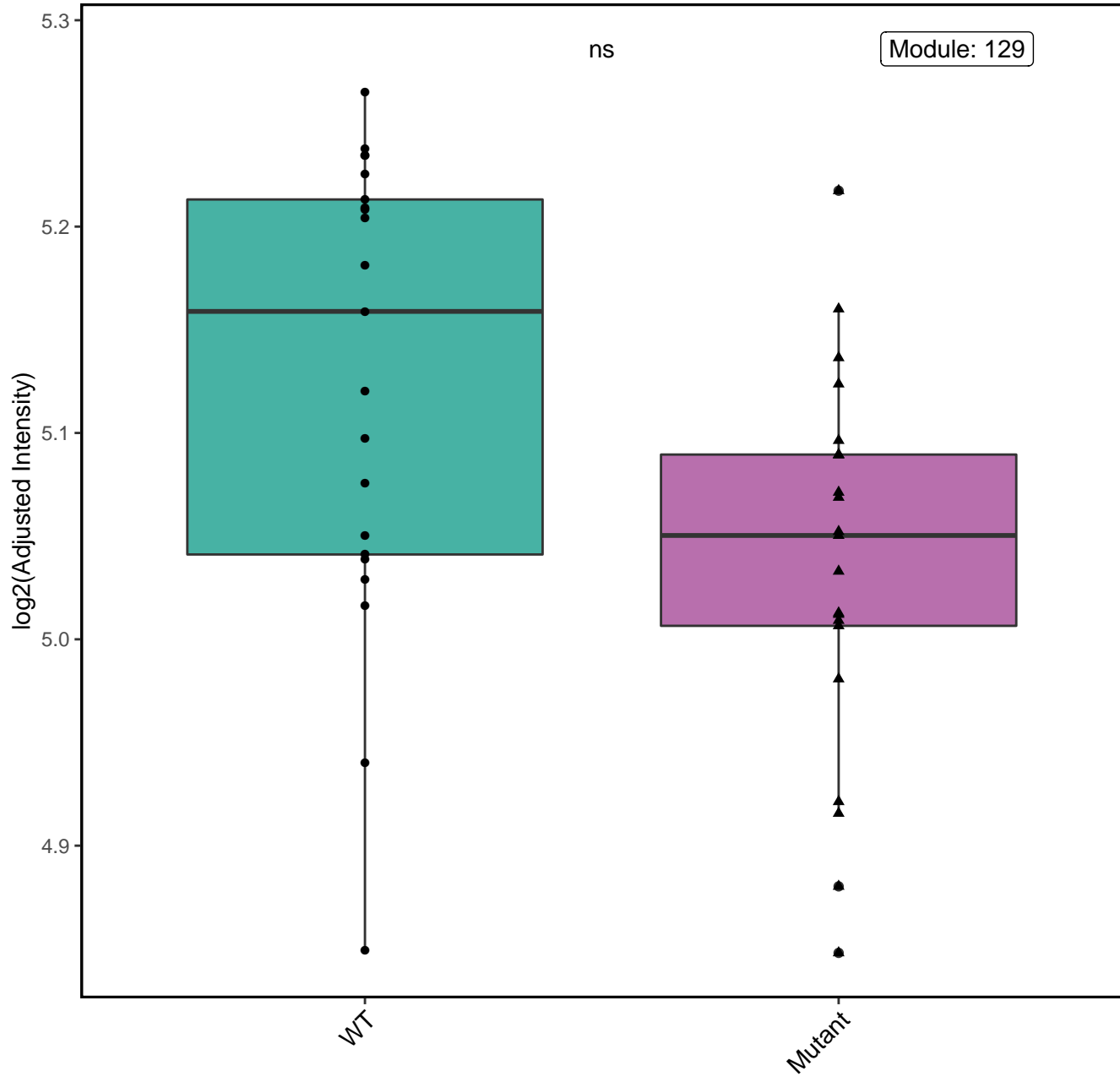


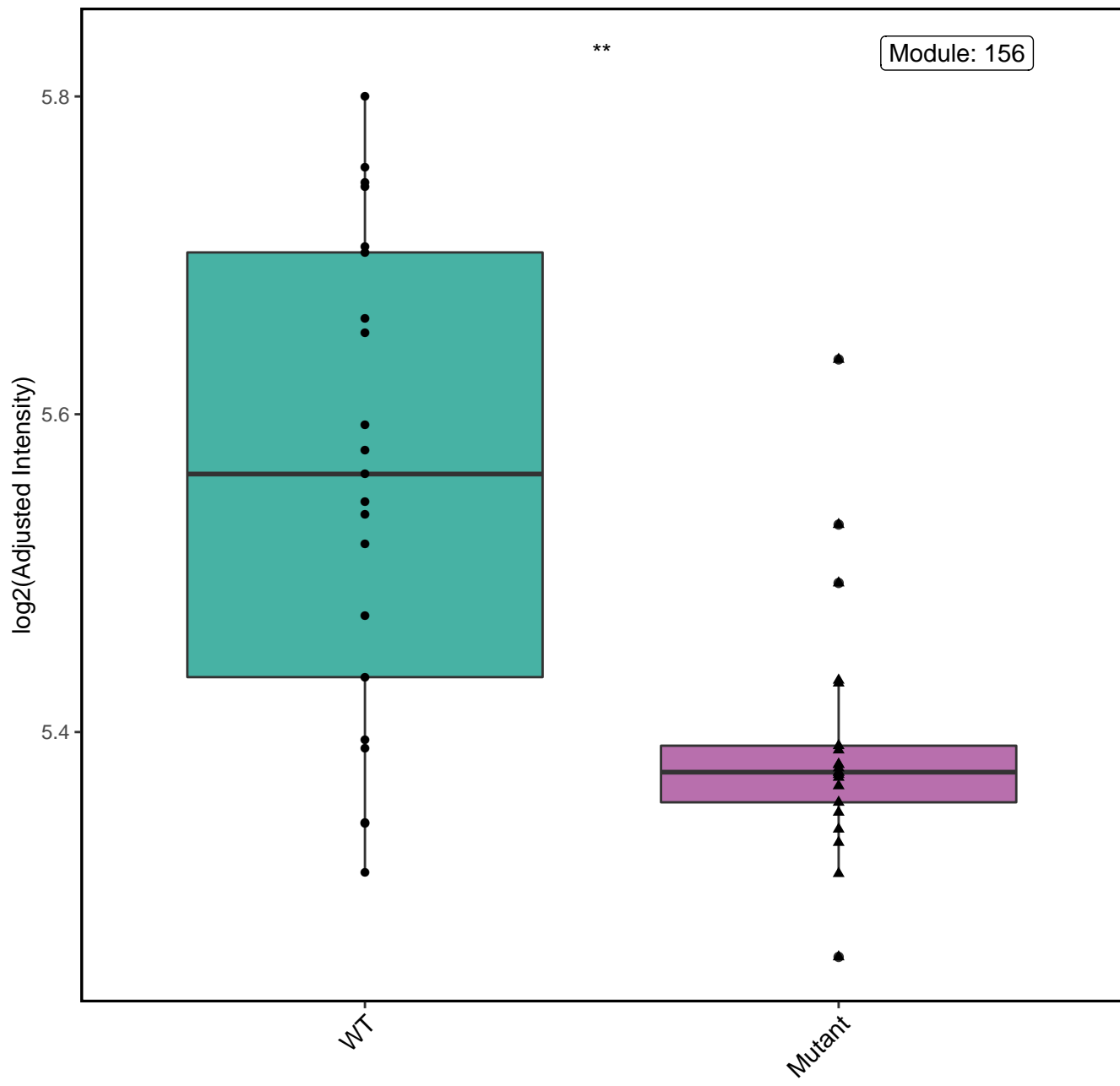


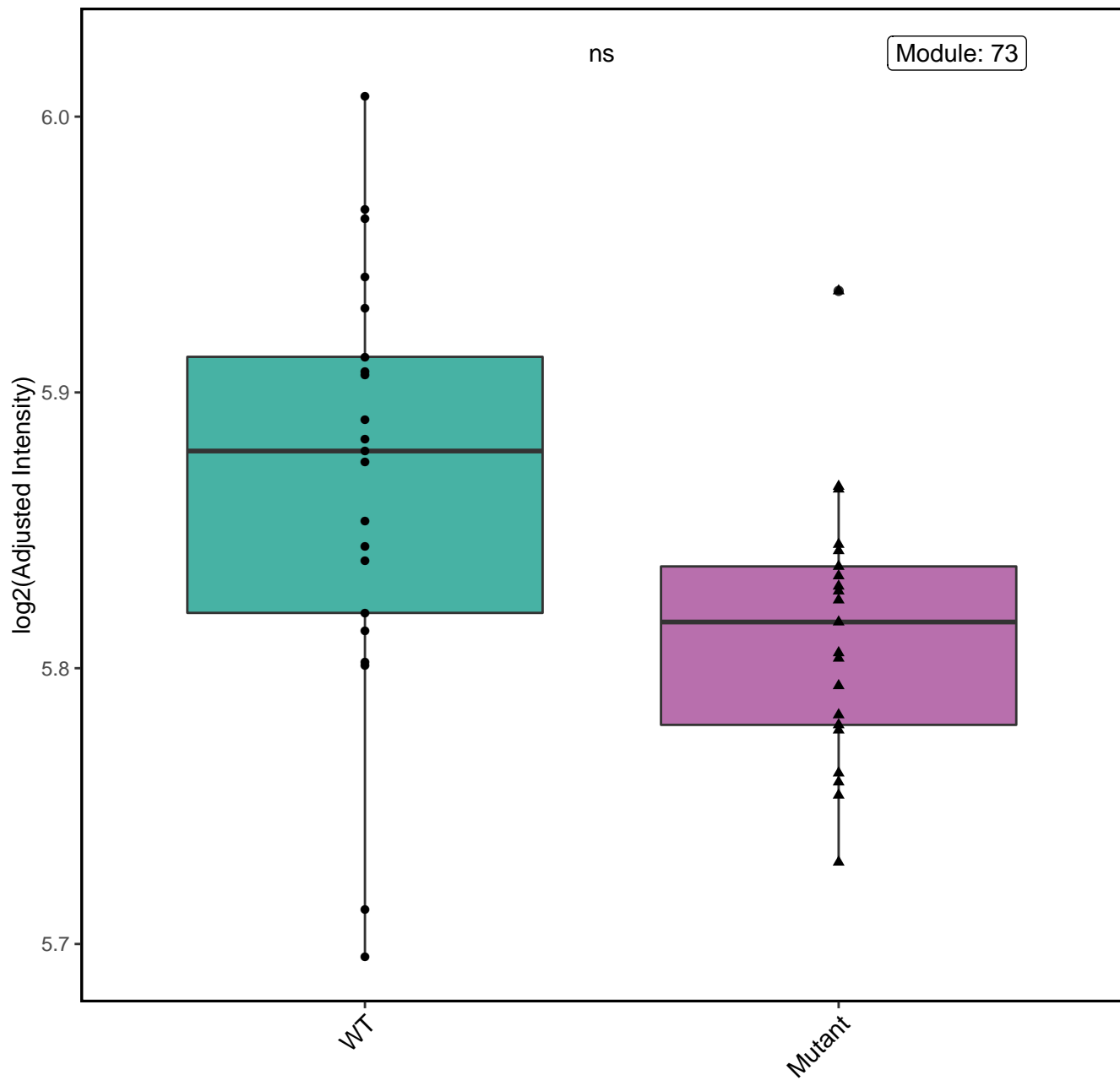


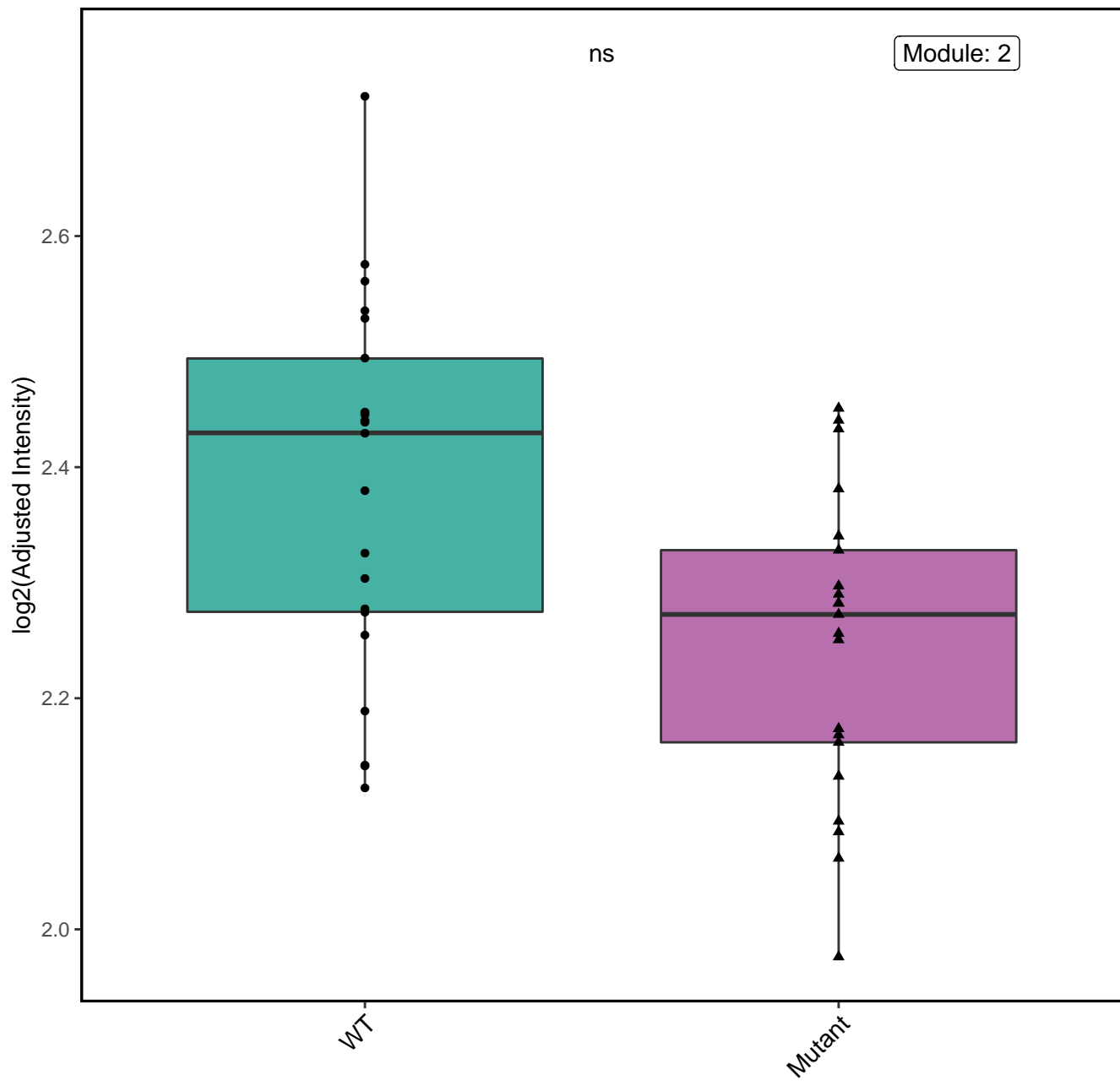


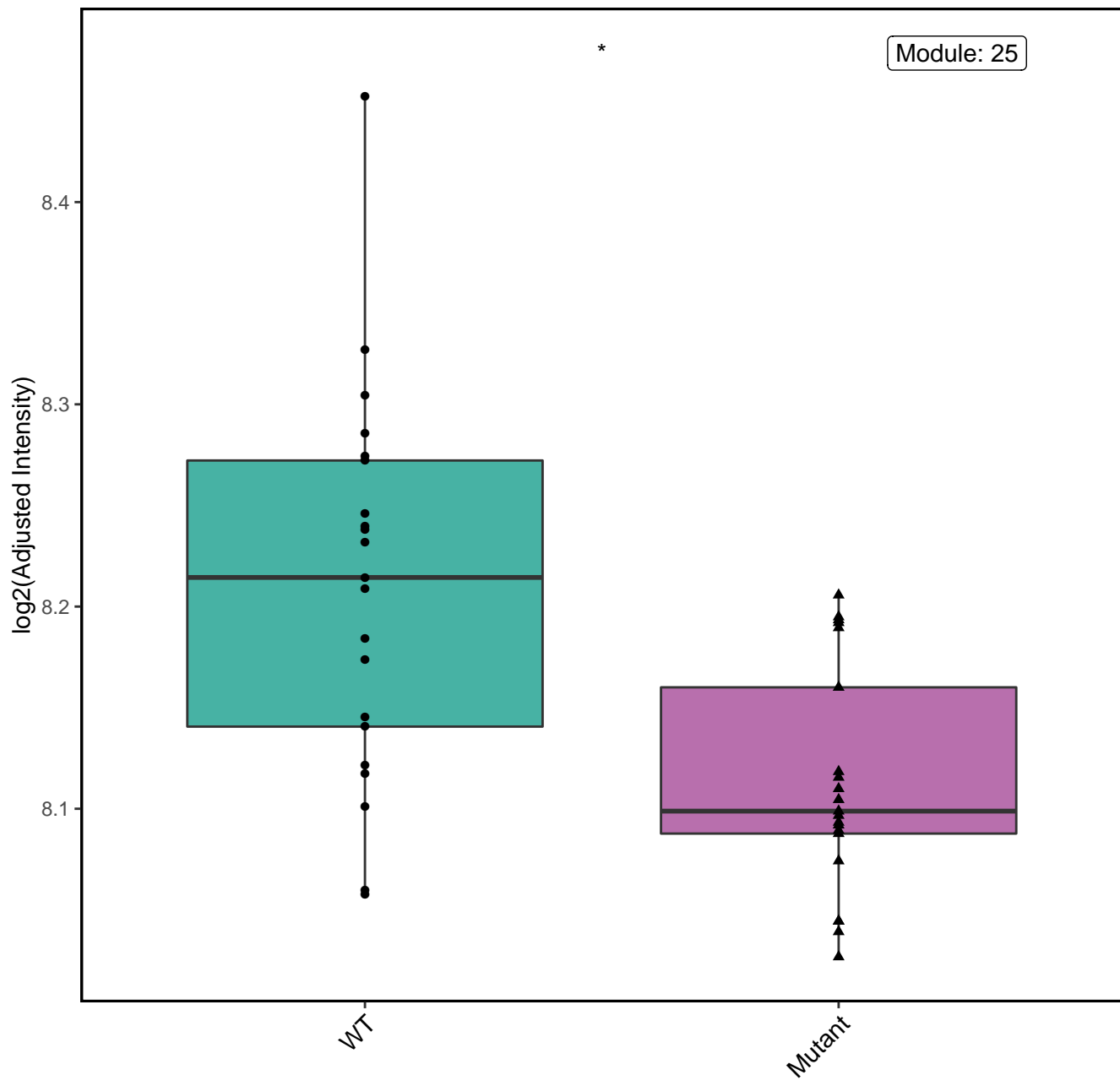


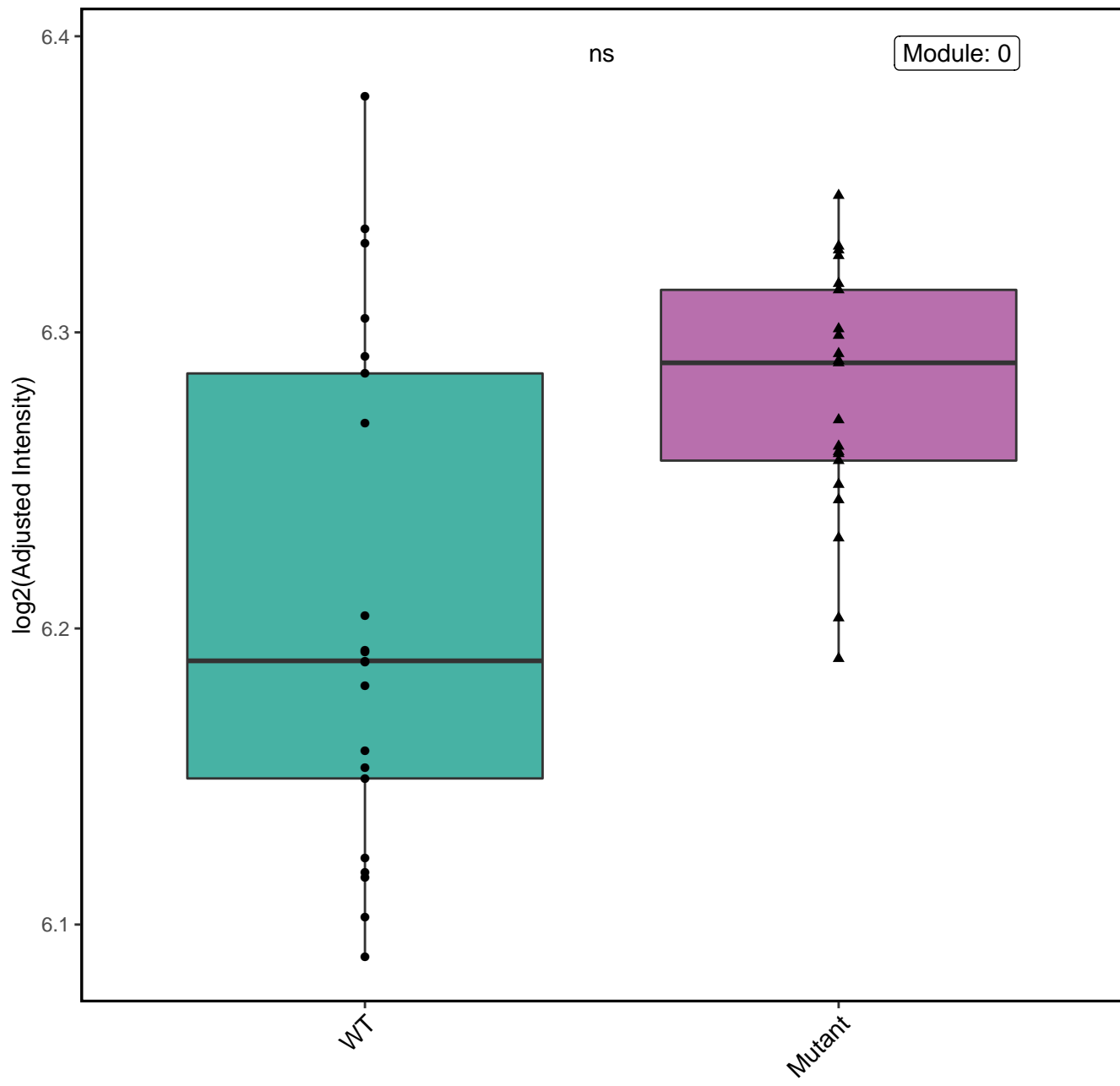


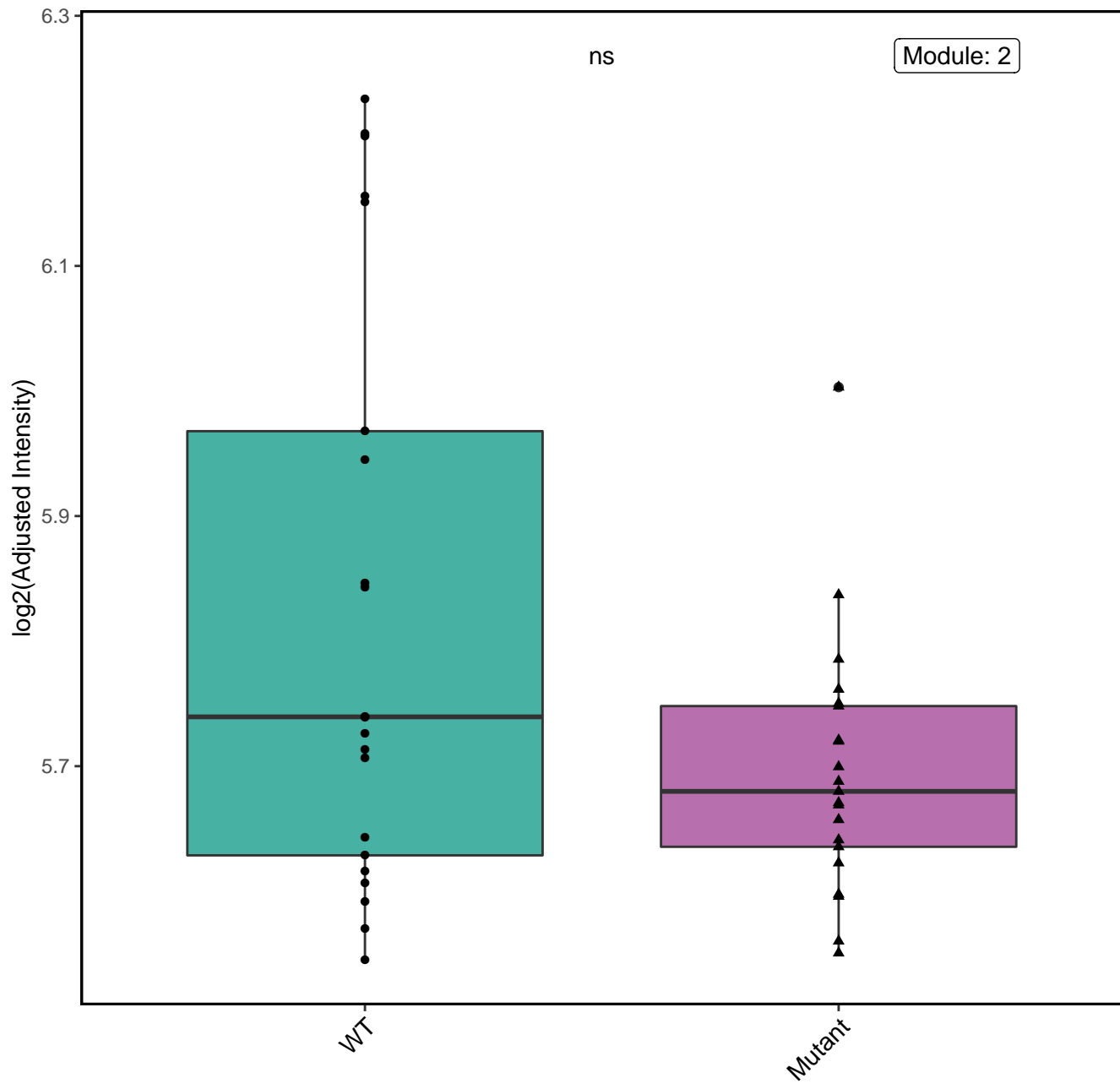




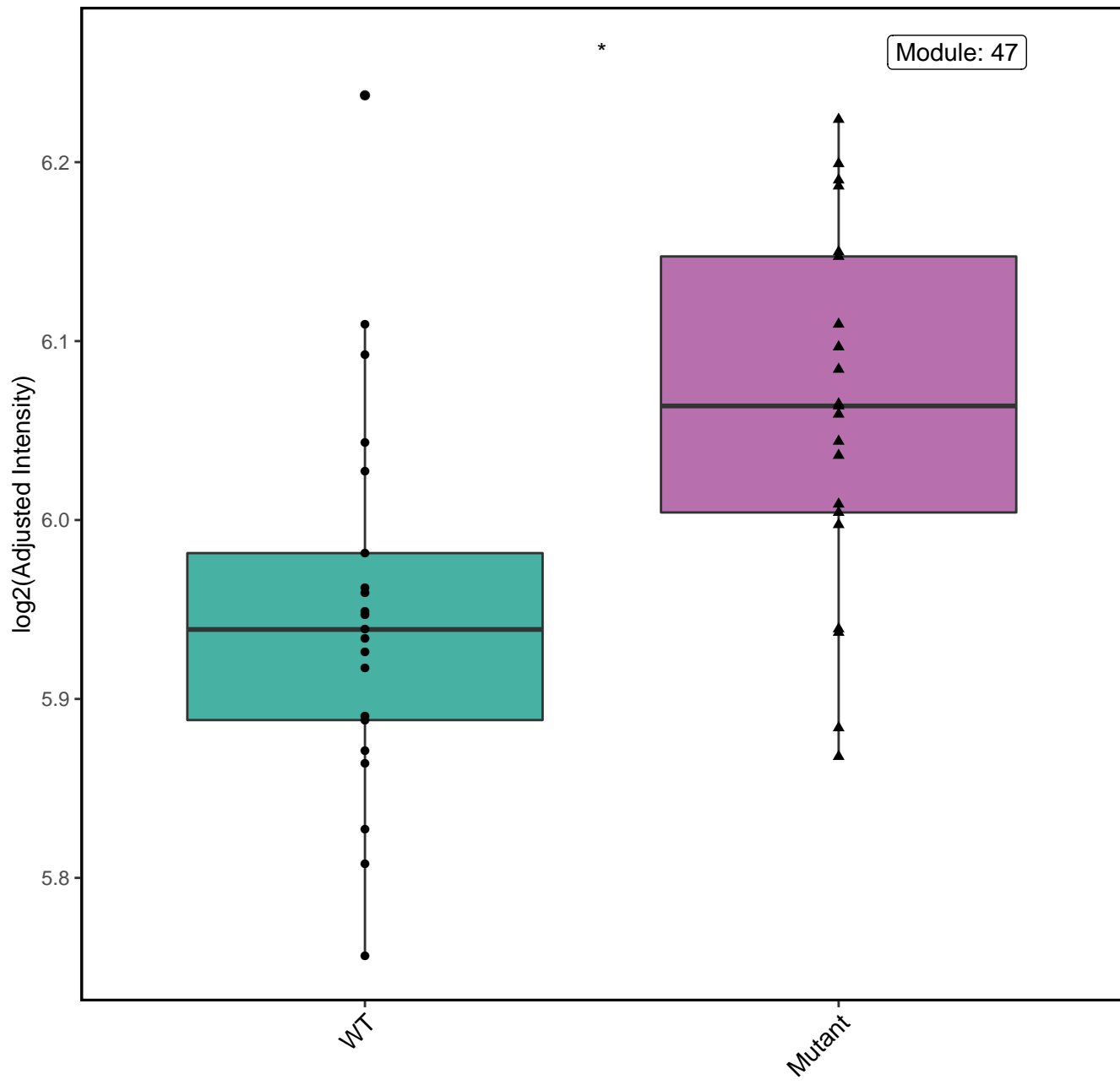


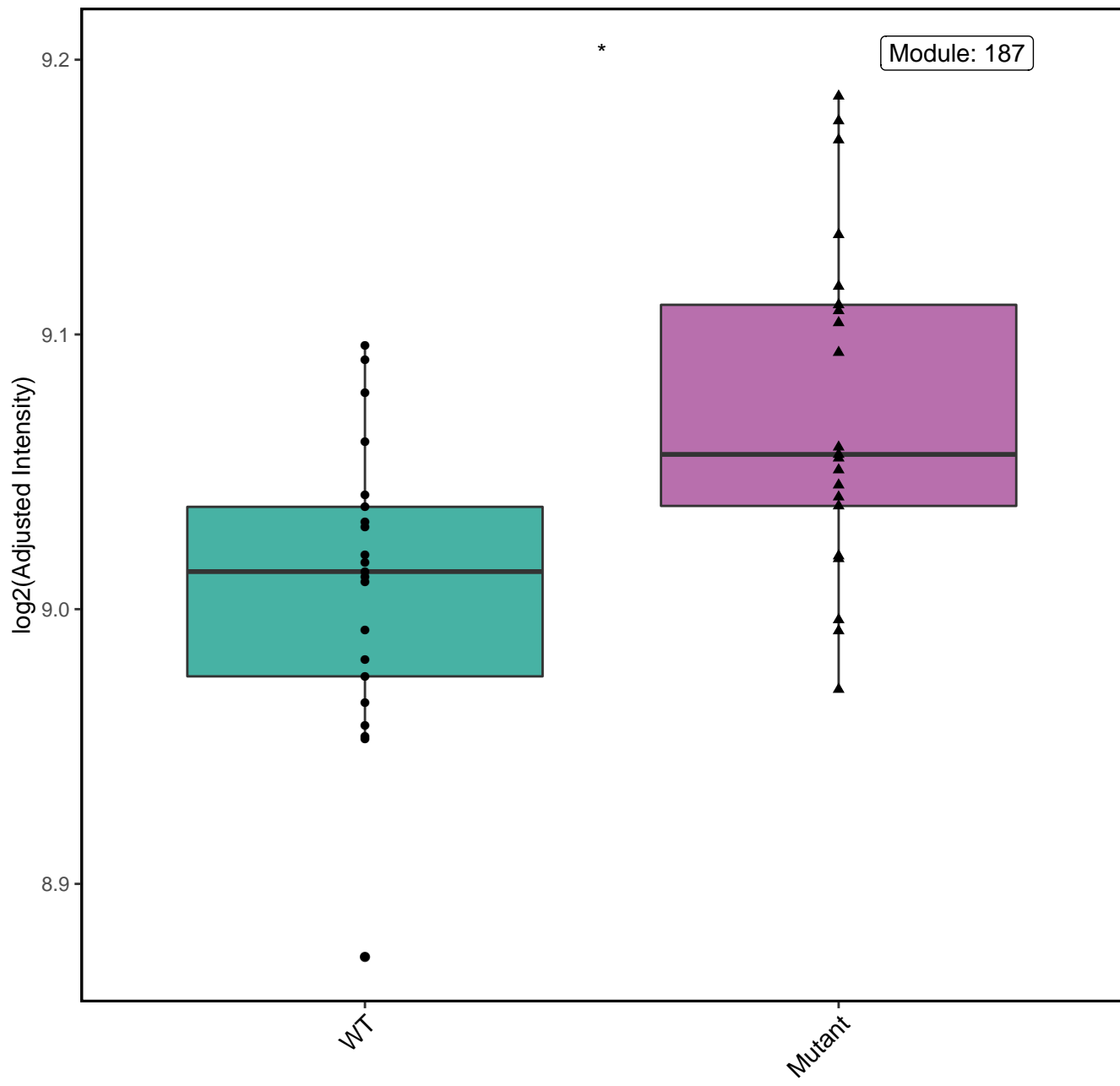


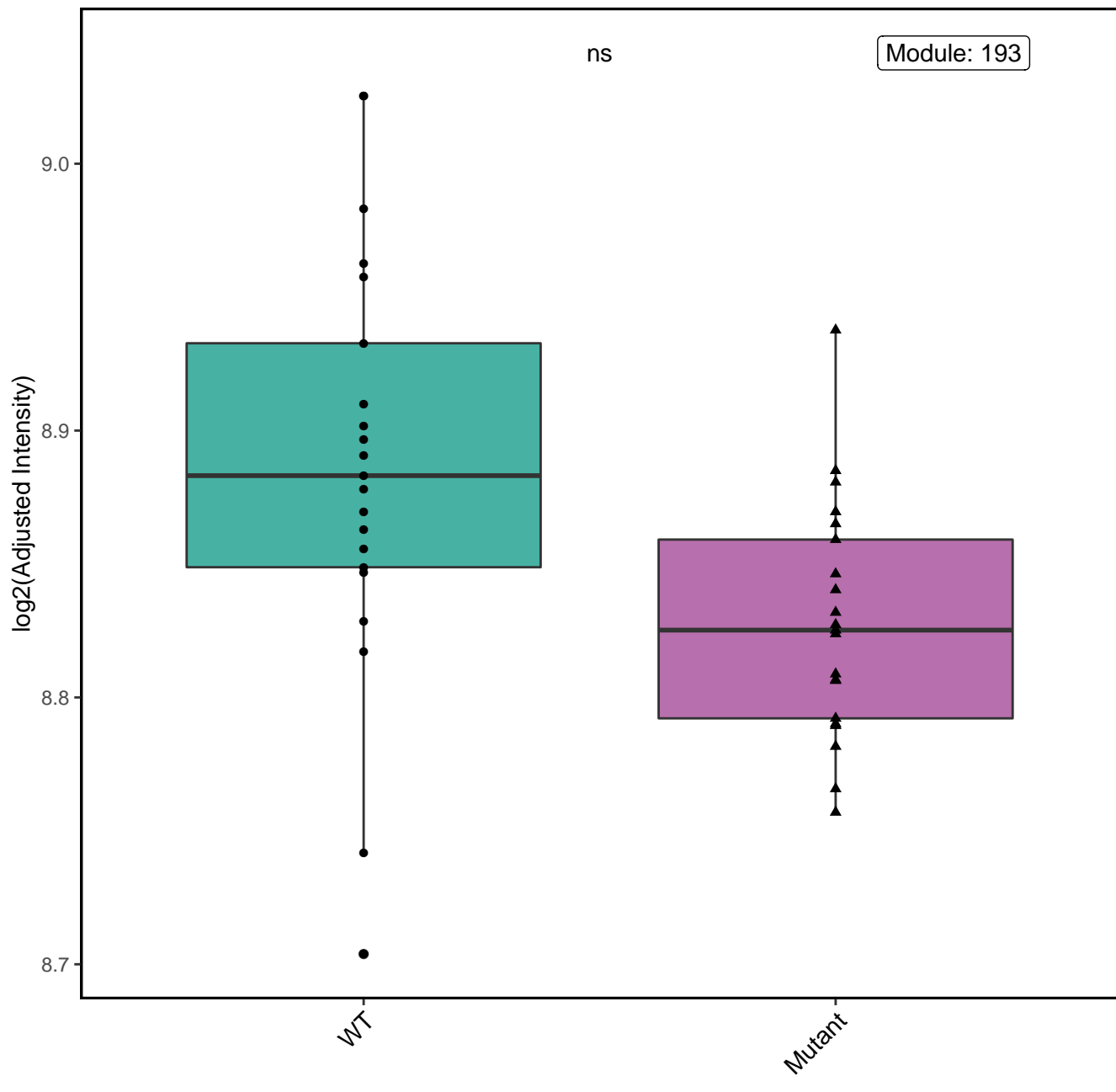


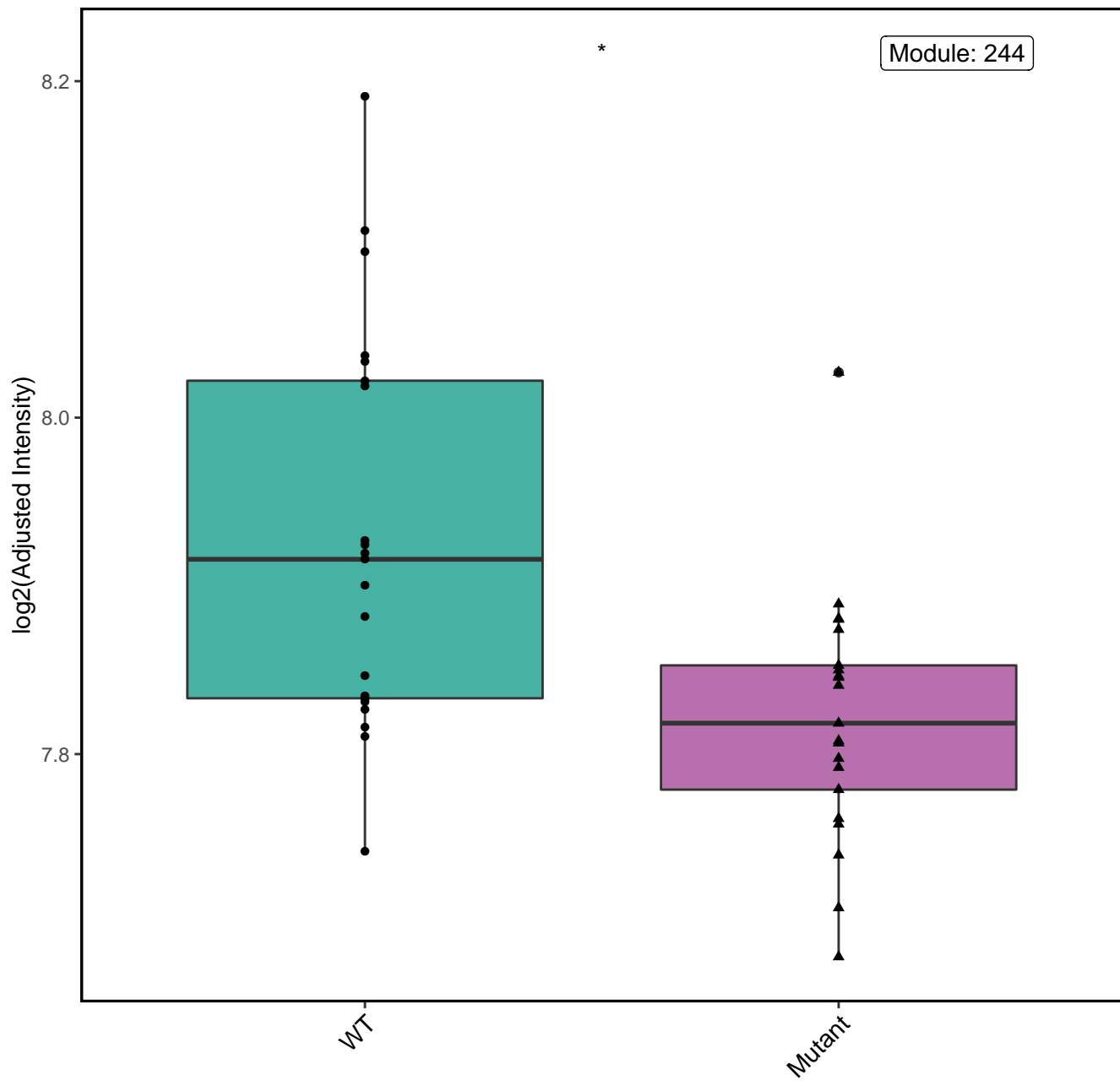










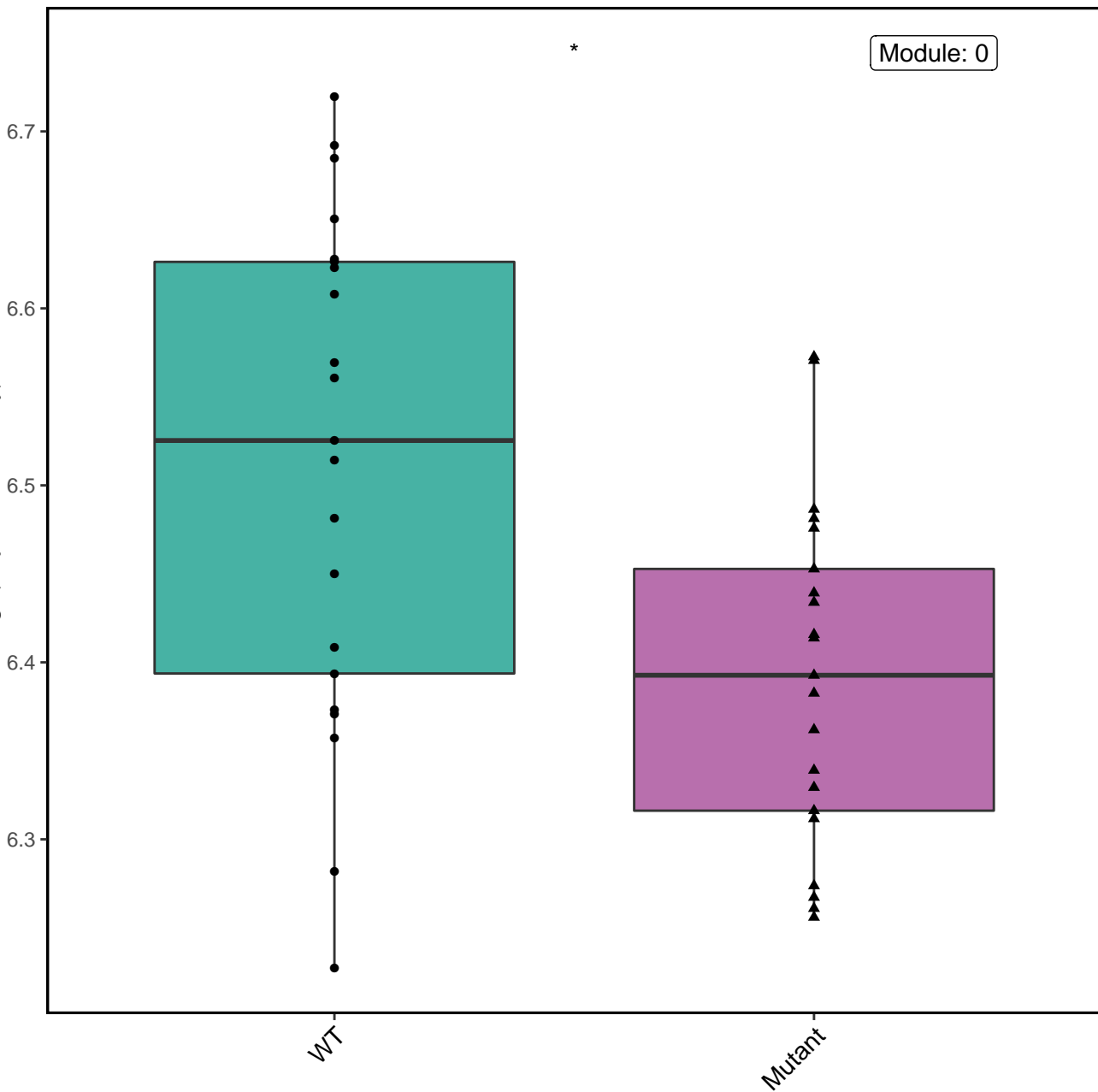


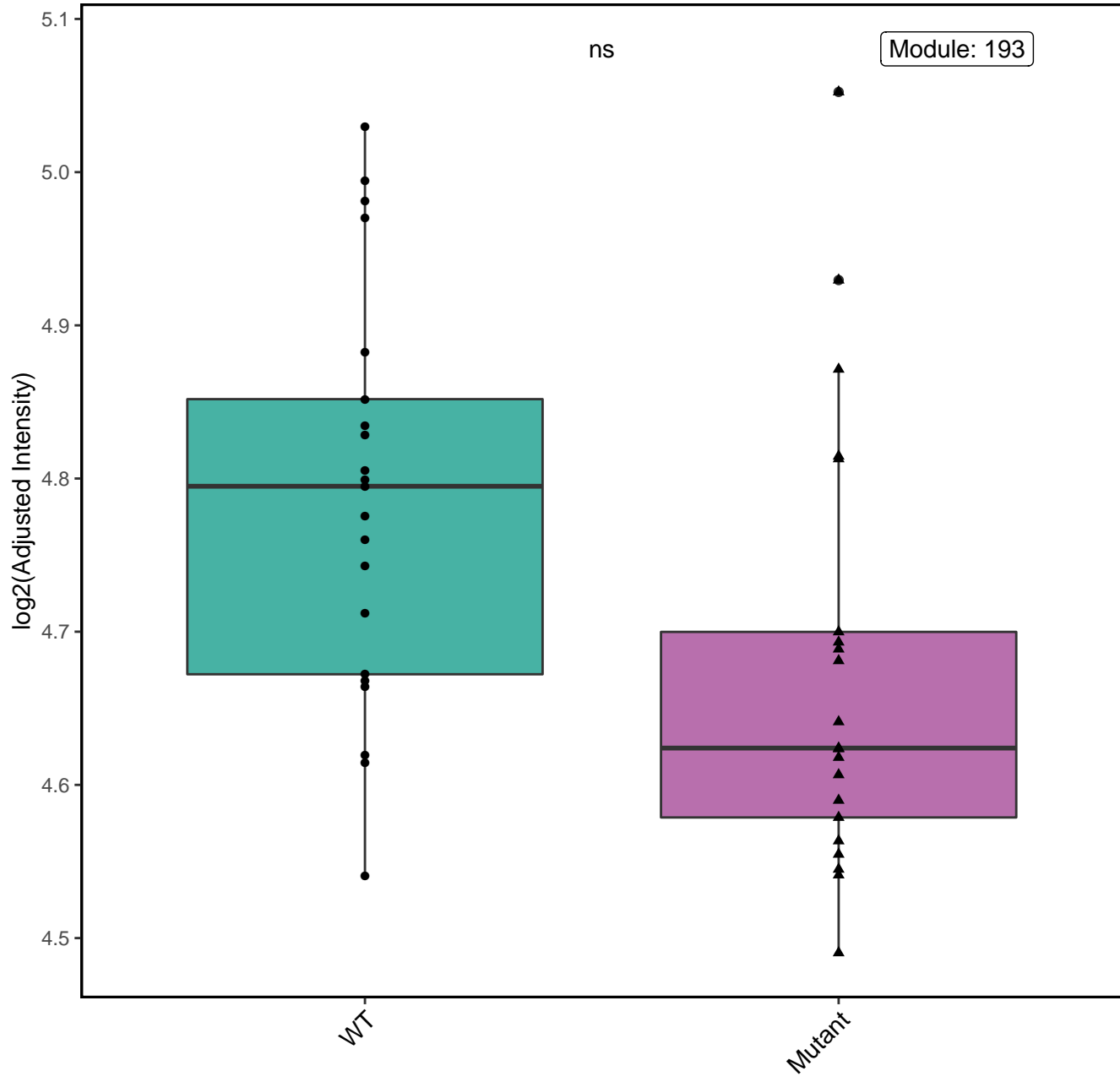
log2(Adjusted Intensity)

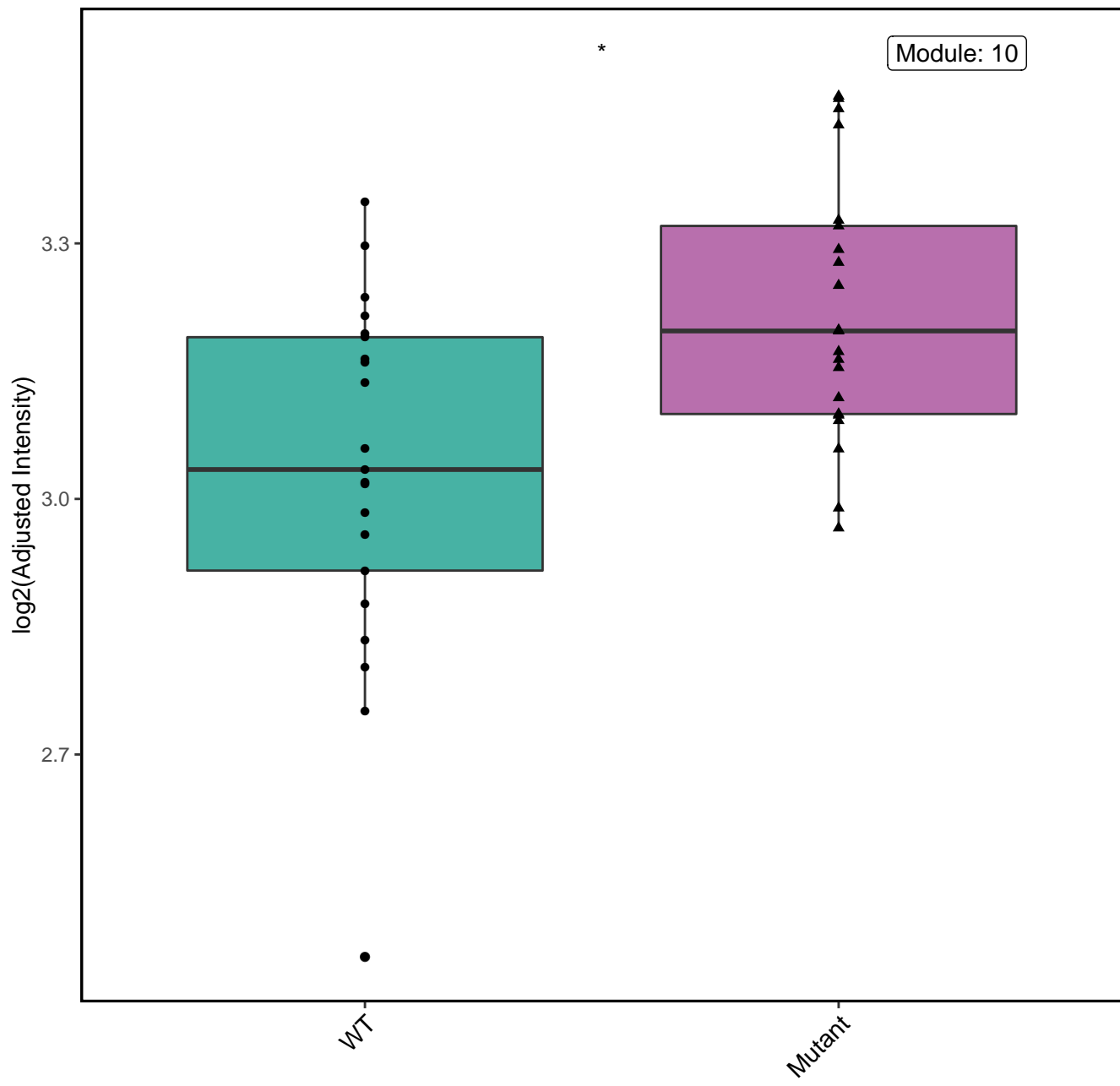
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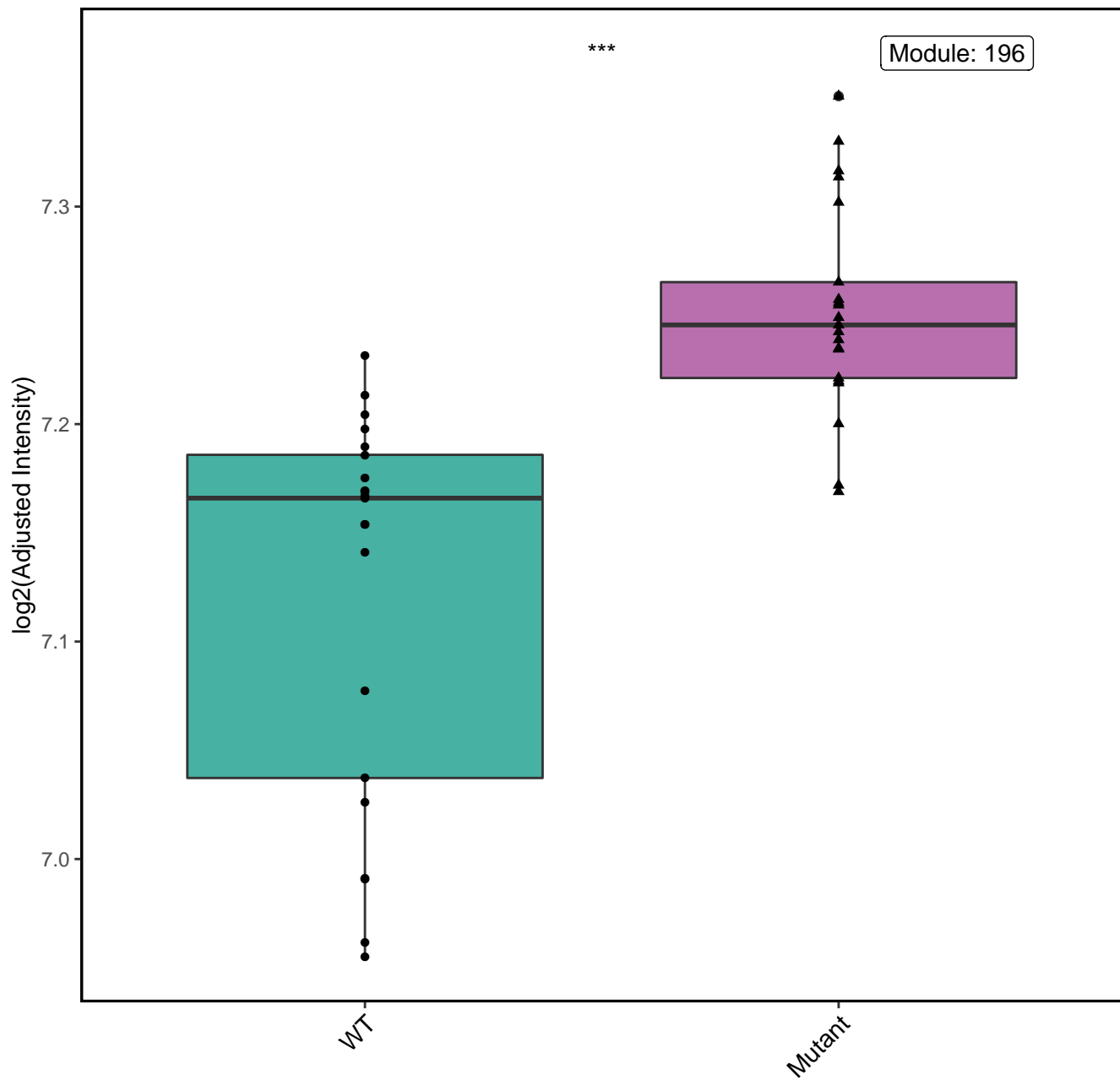
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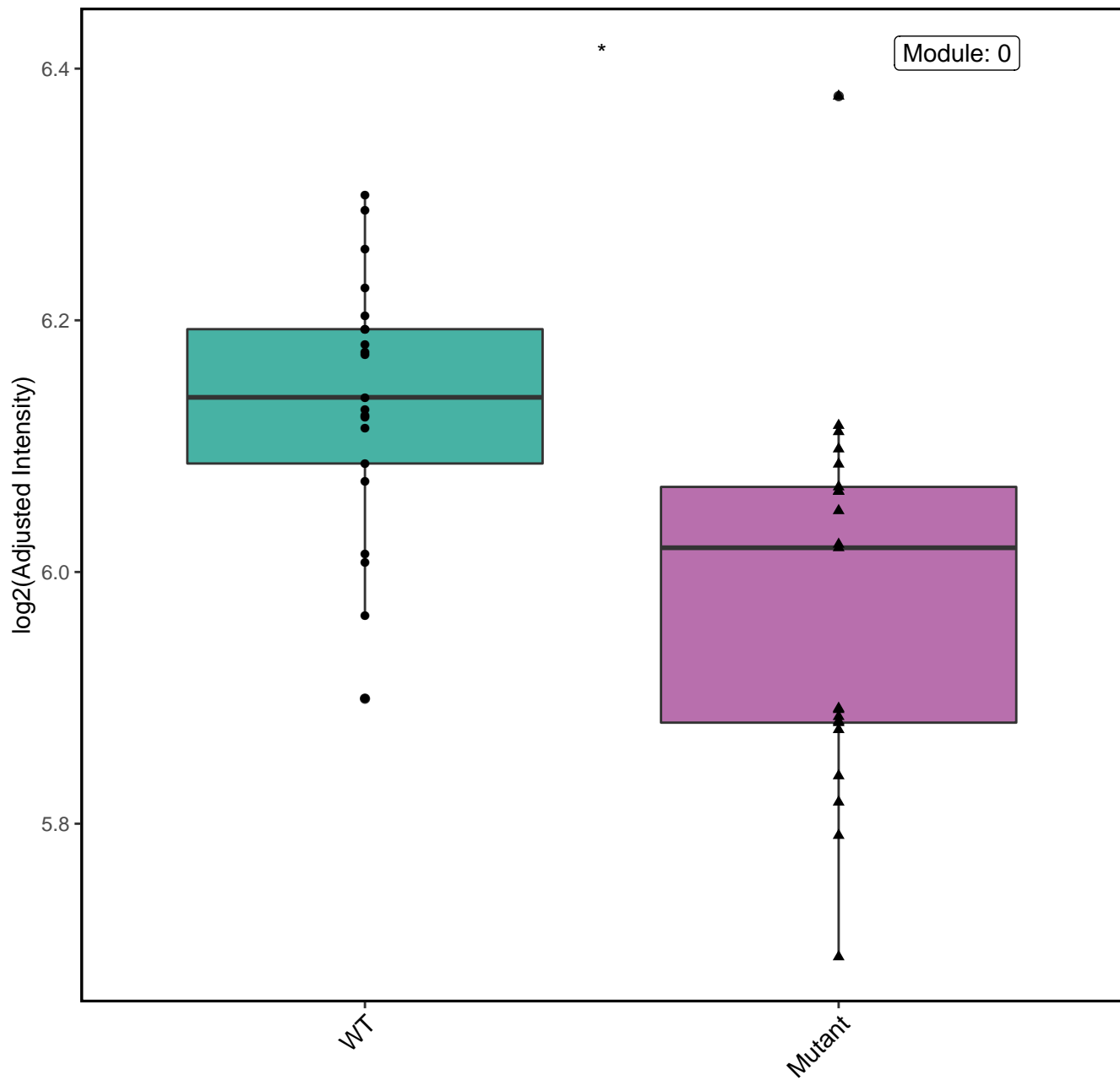


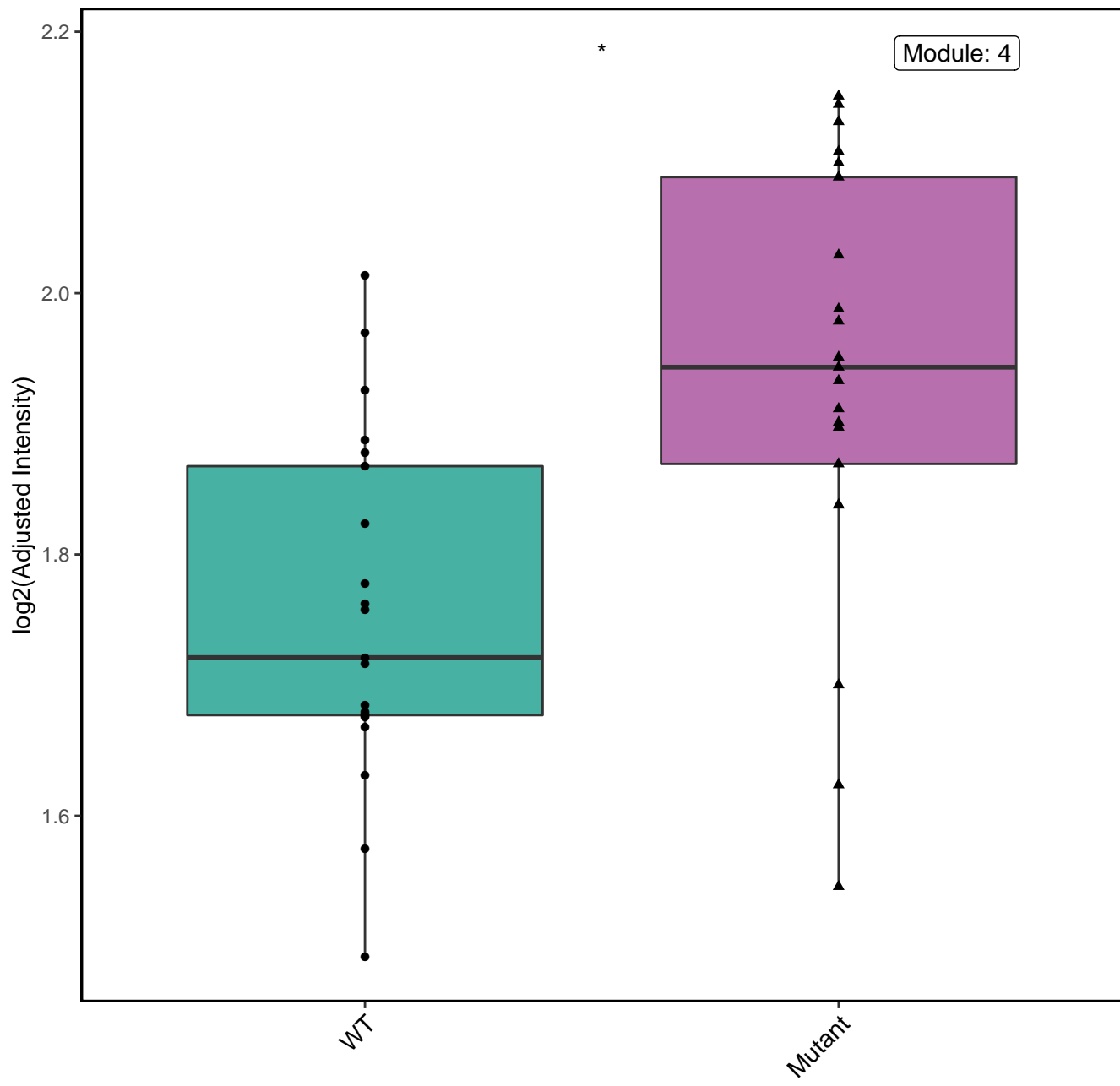


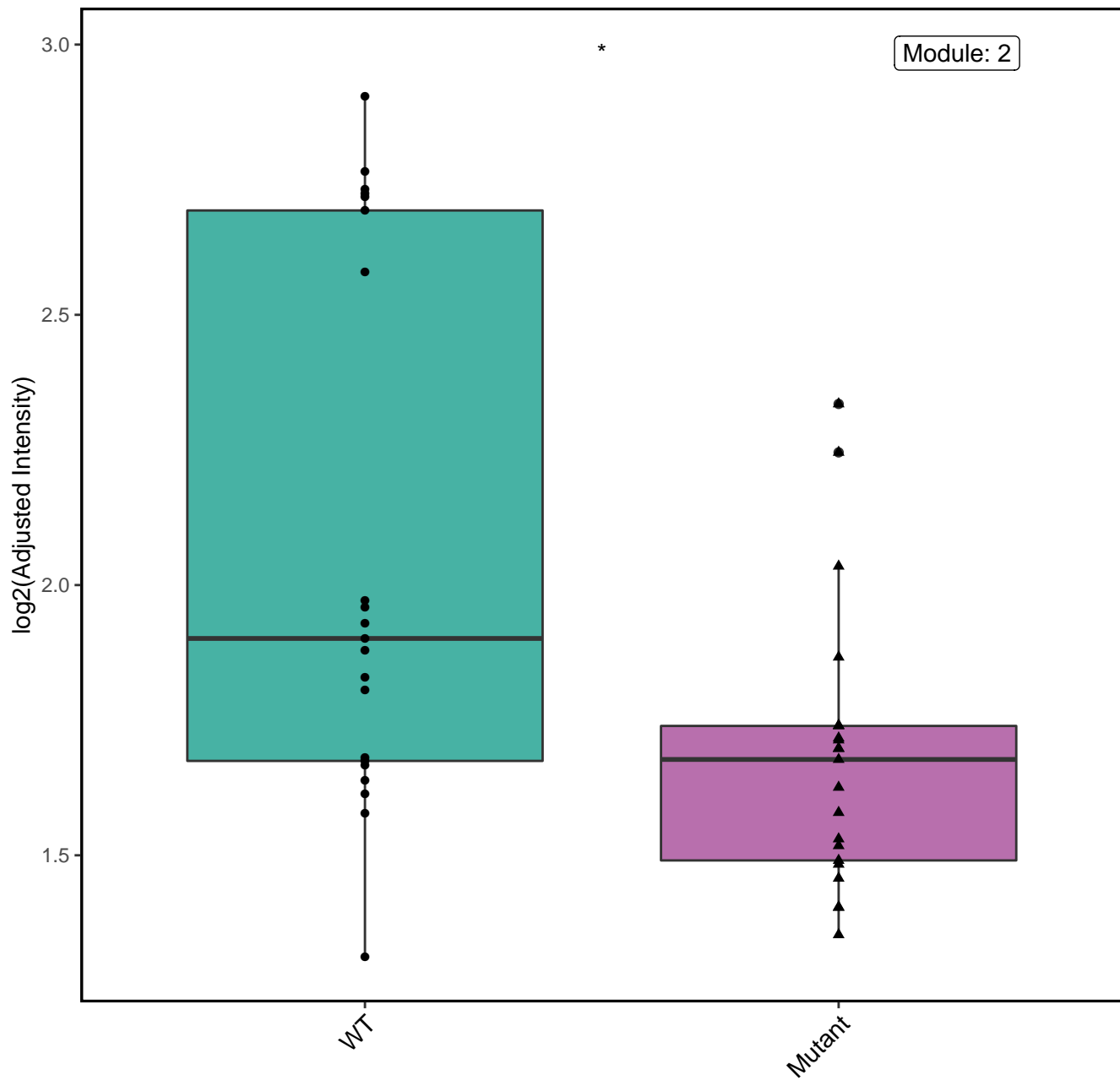


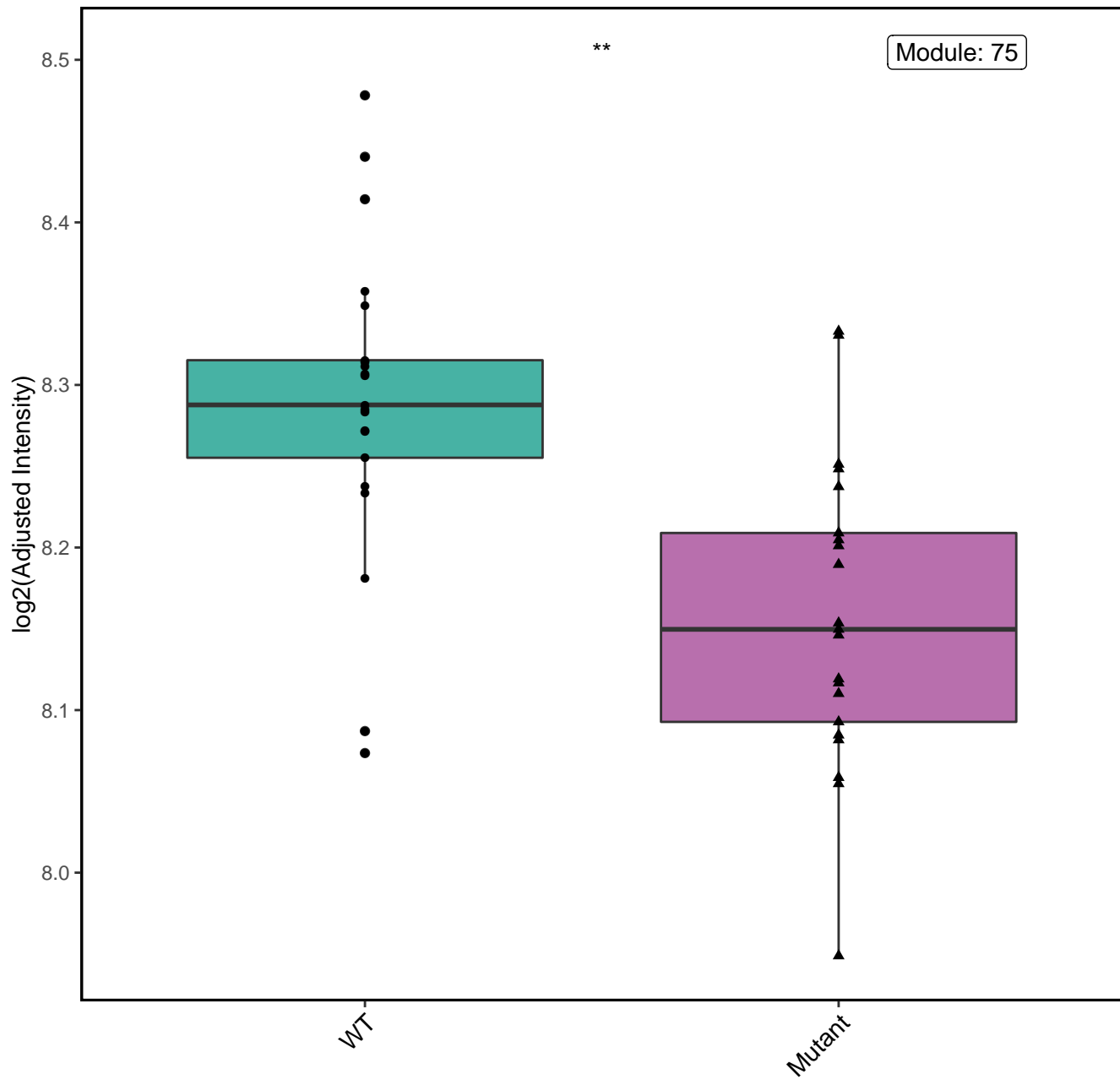


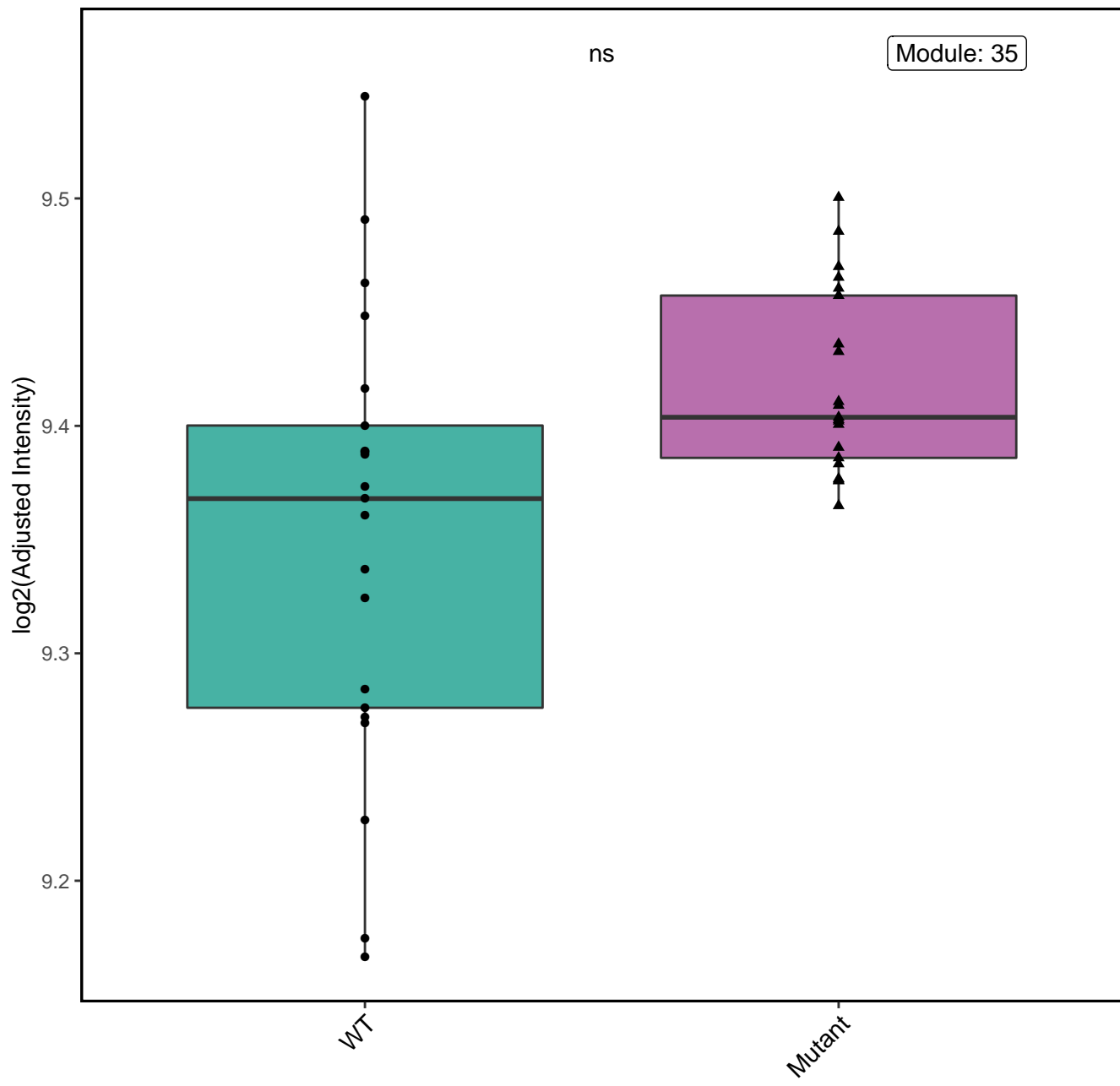


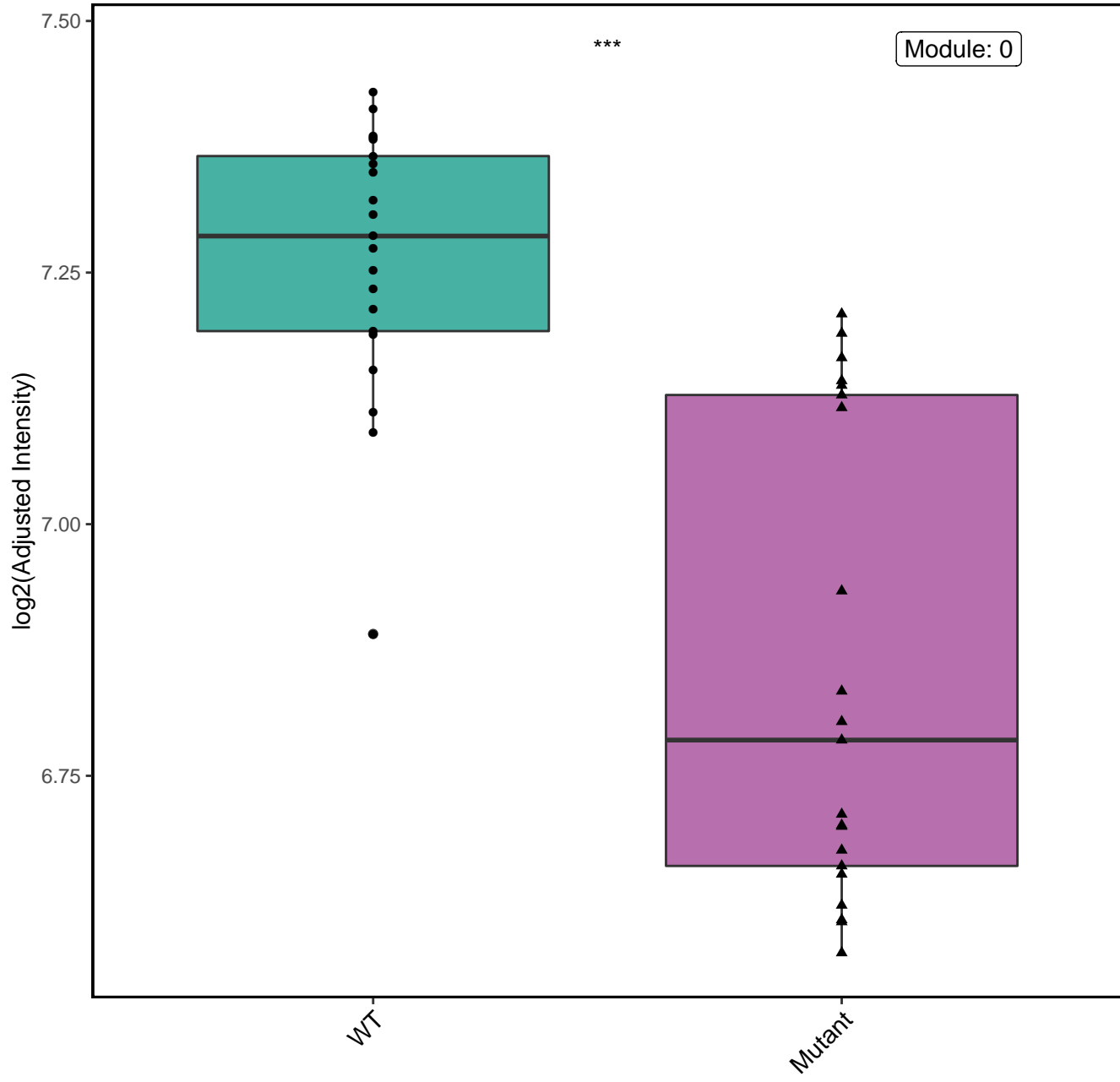


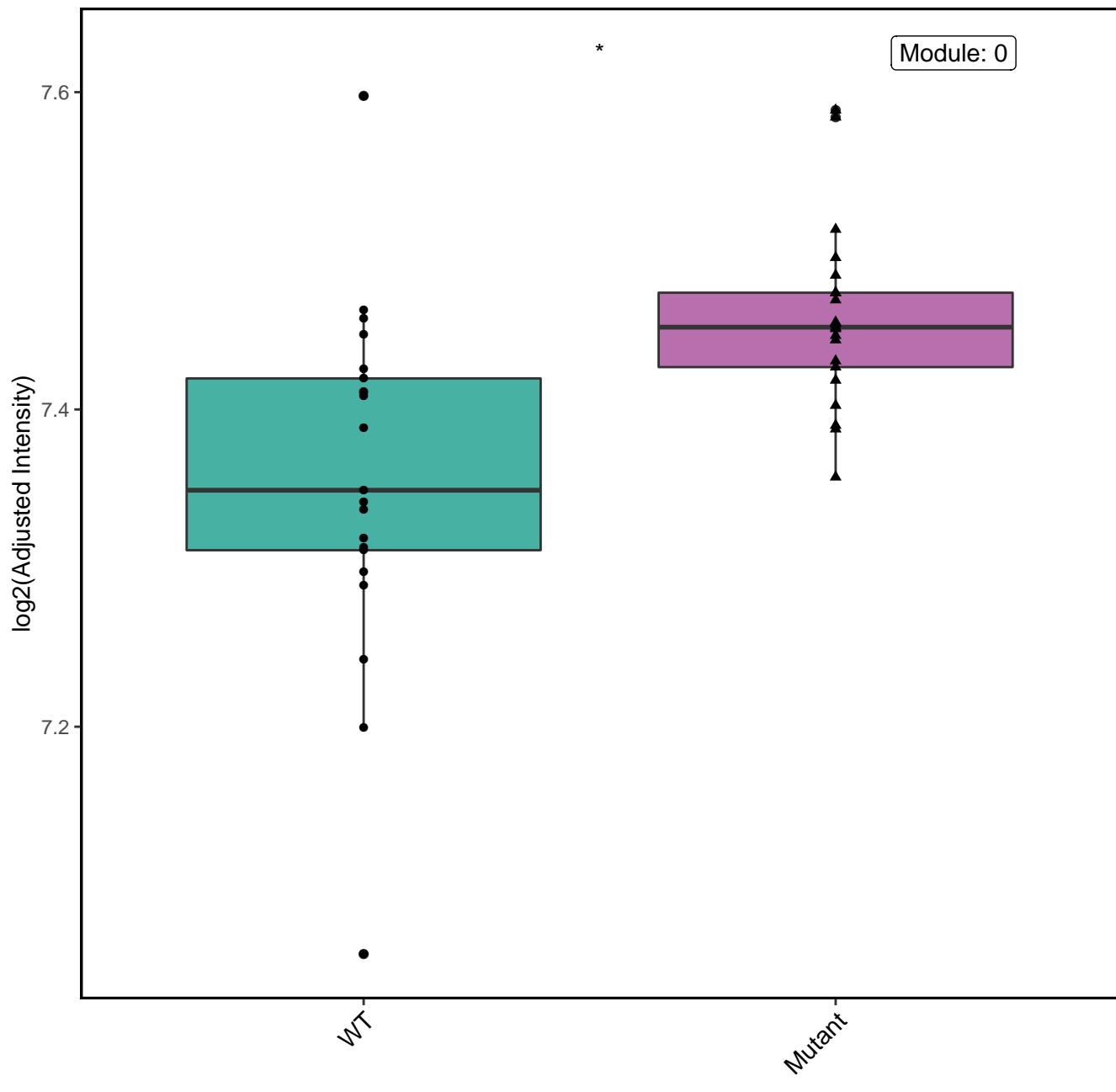


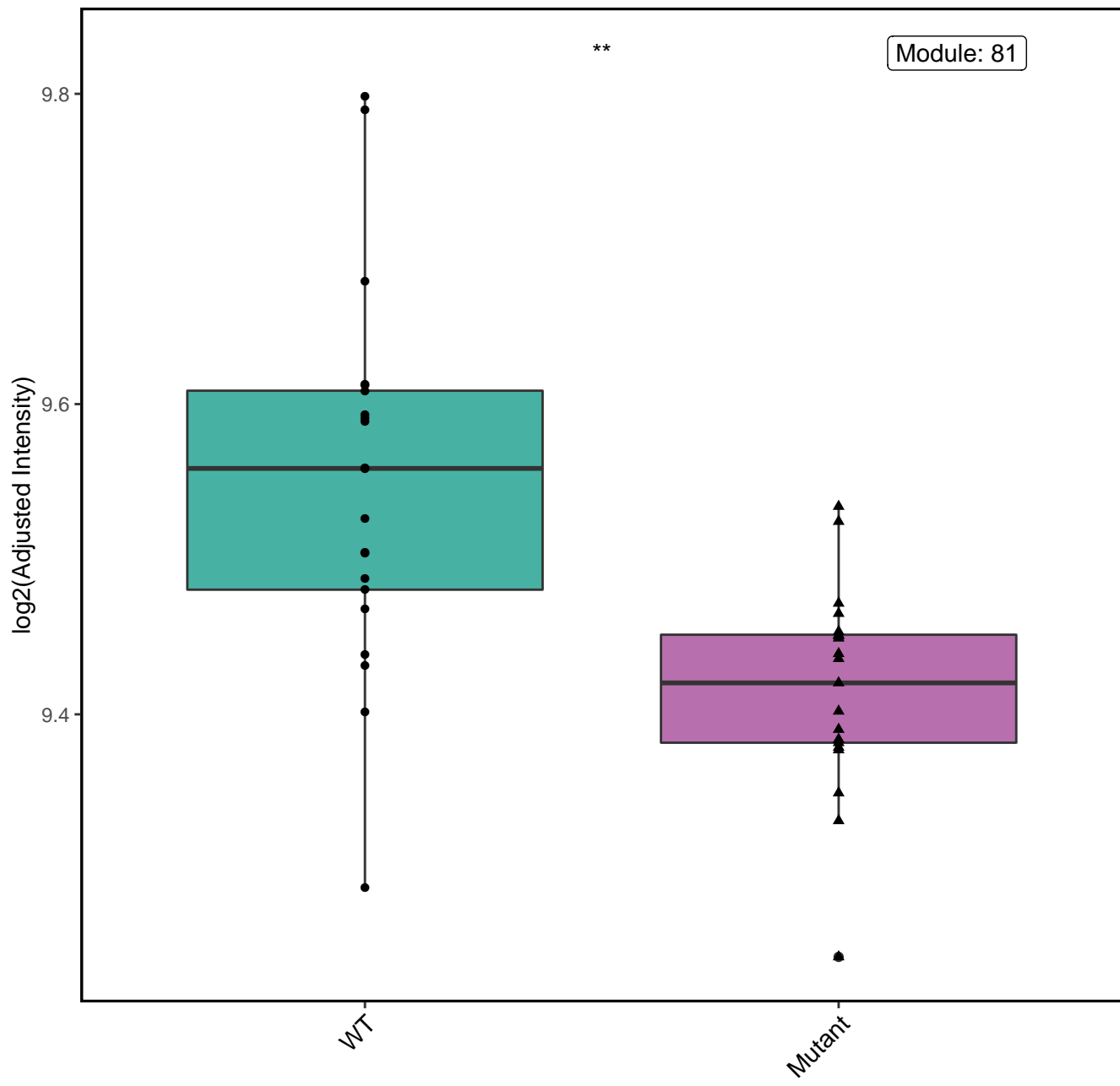




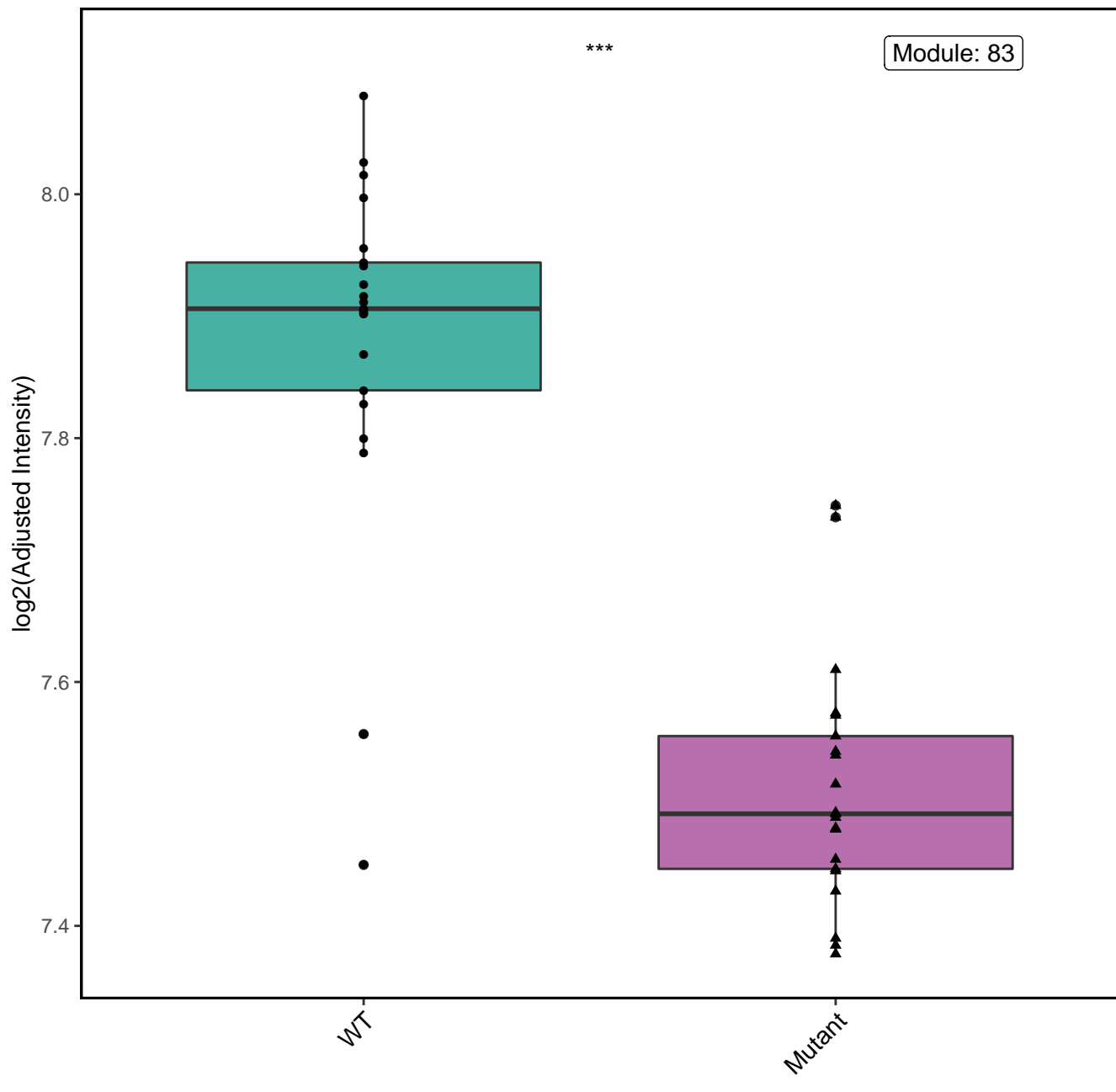


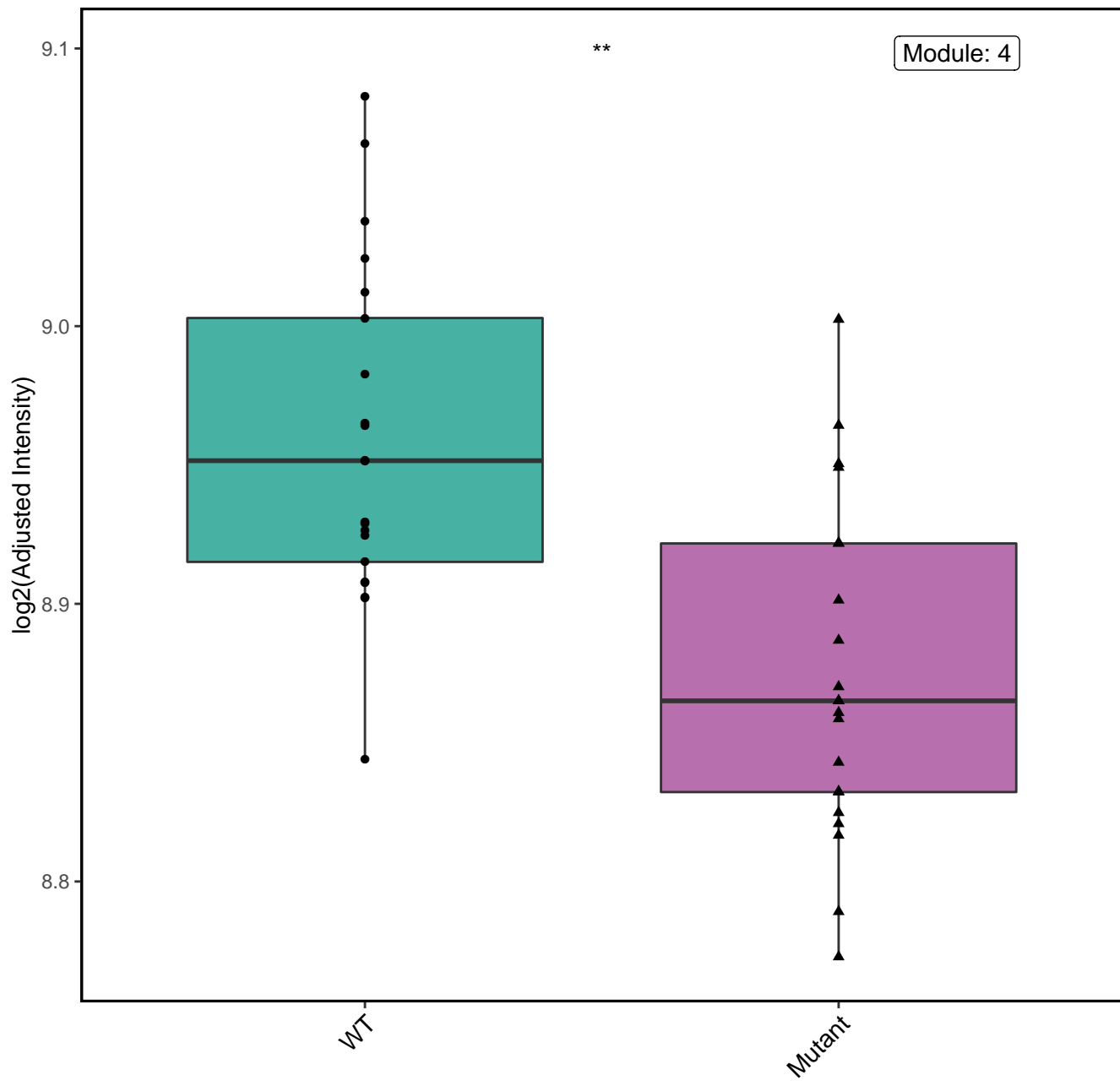


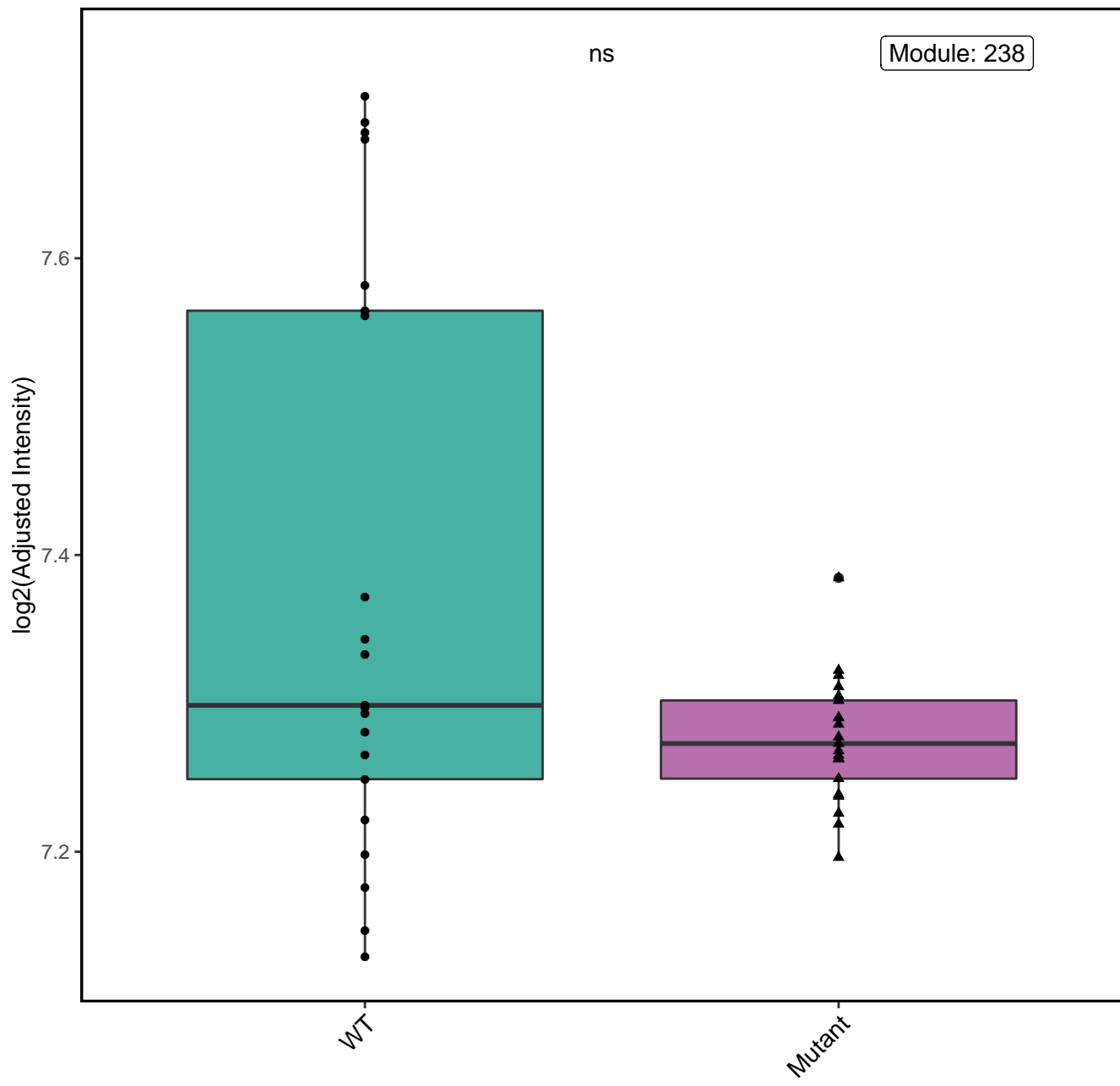


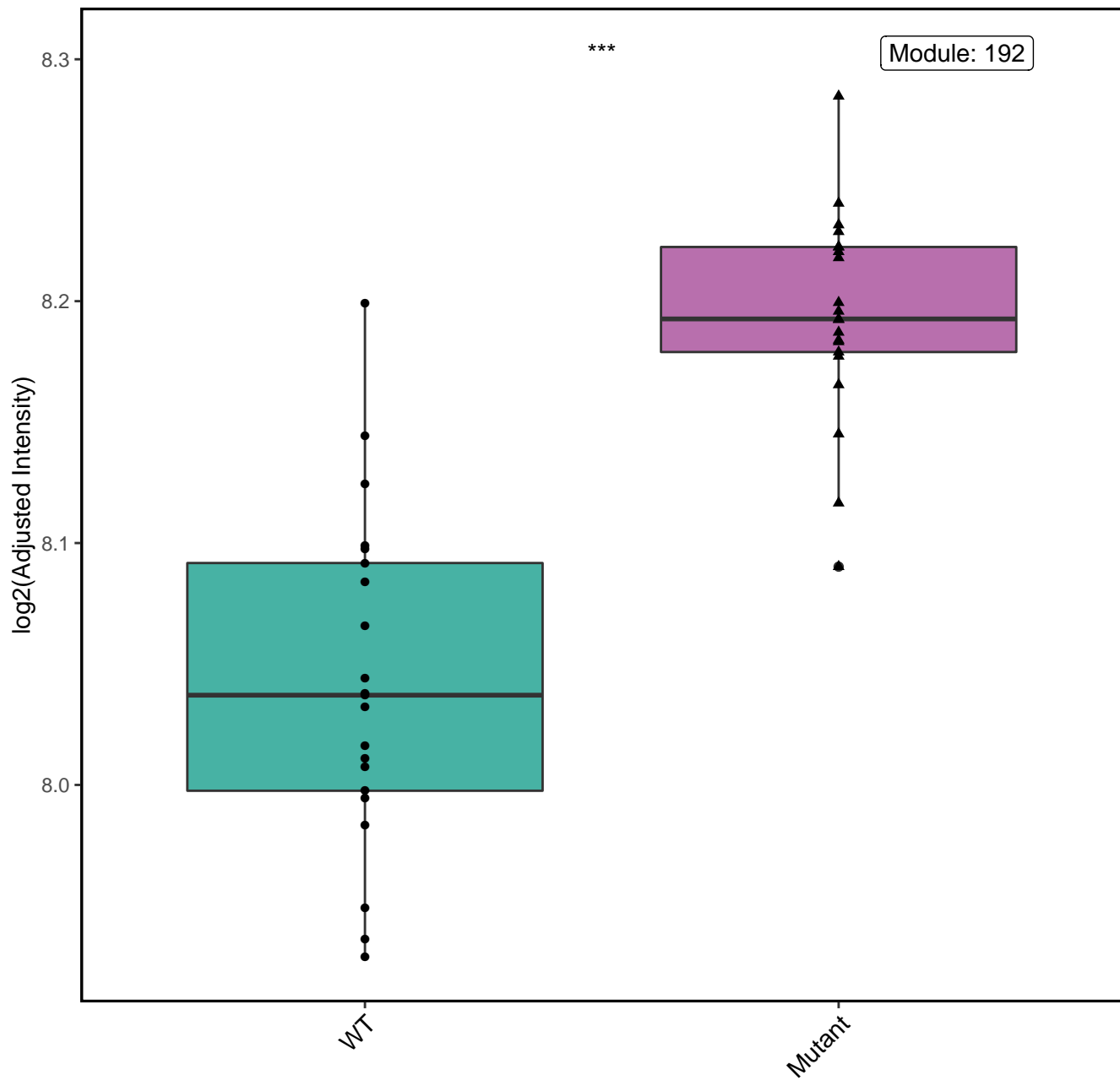












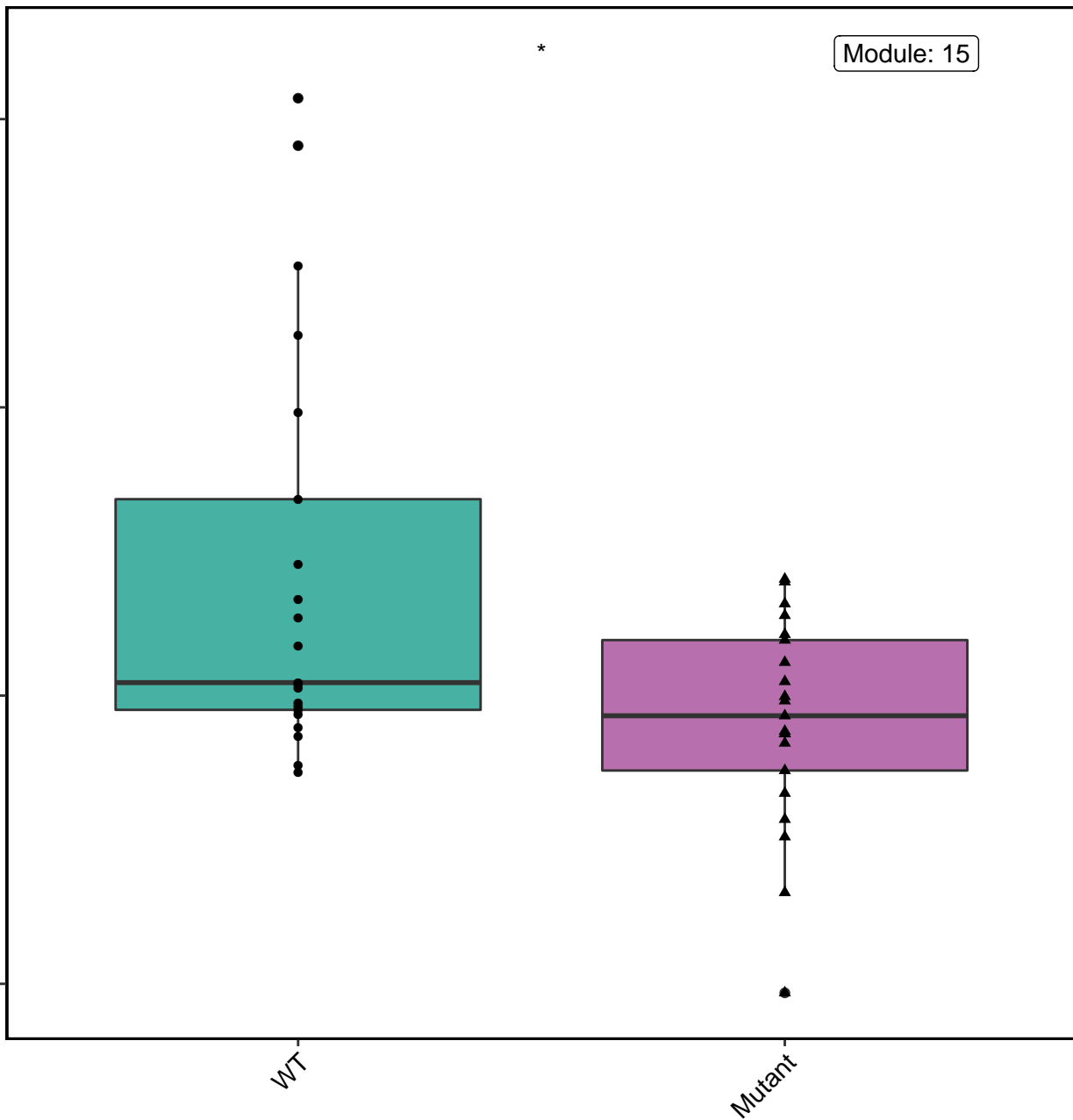
log2(Adjusted Intensity)

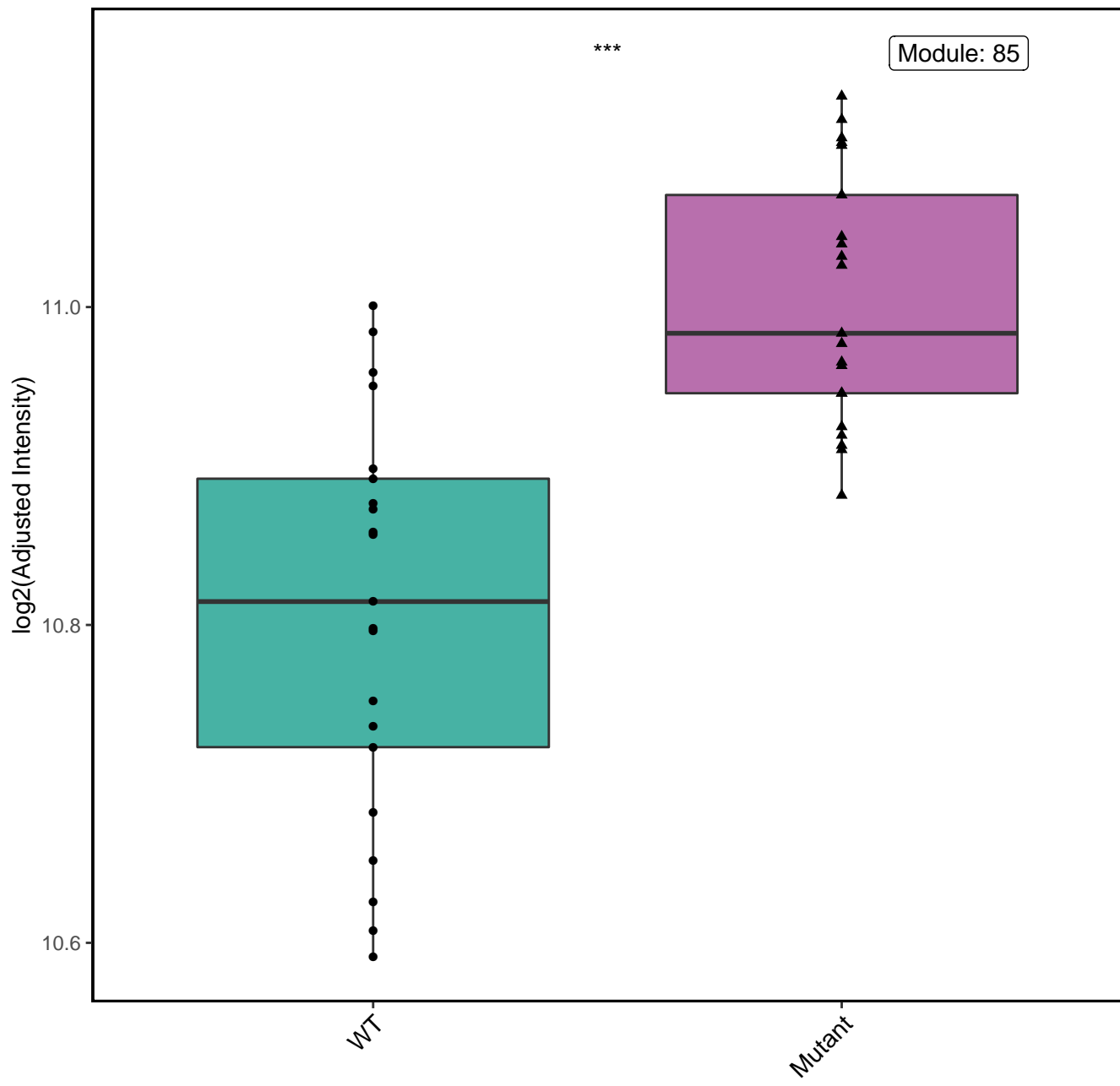
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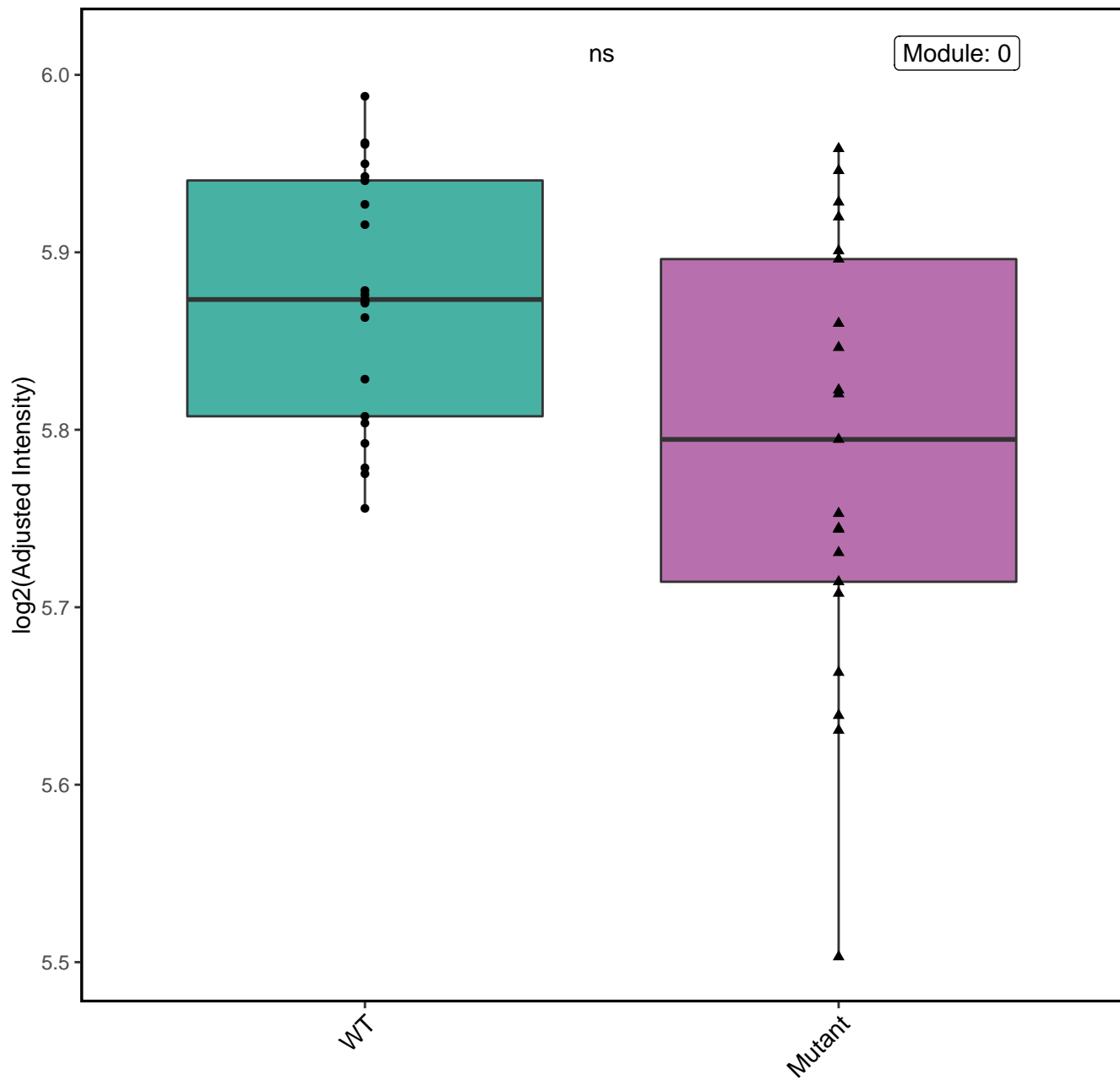
Mutant

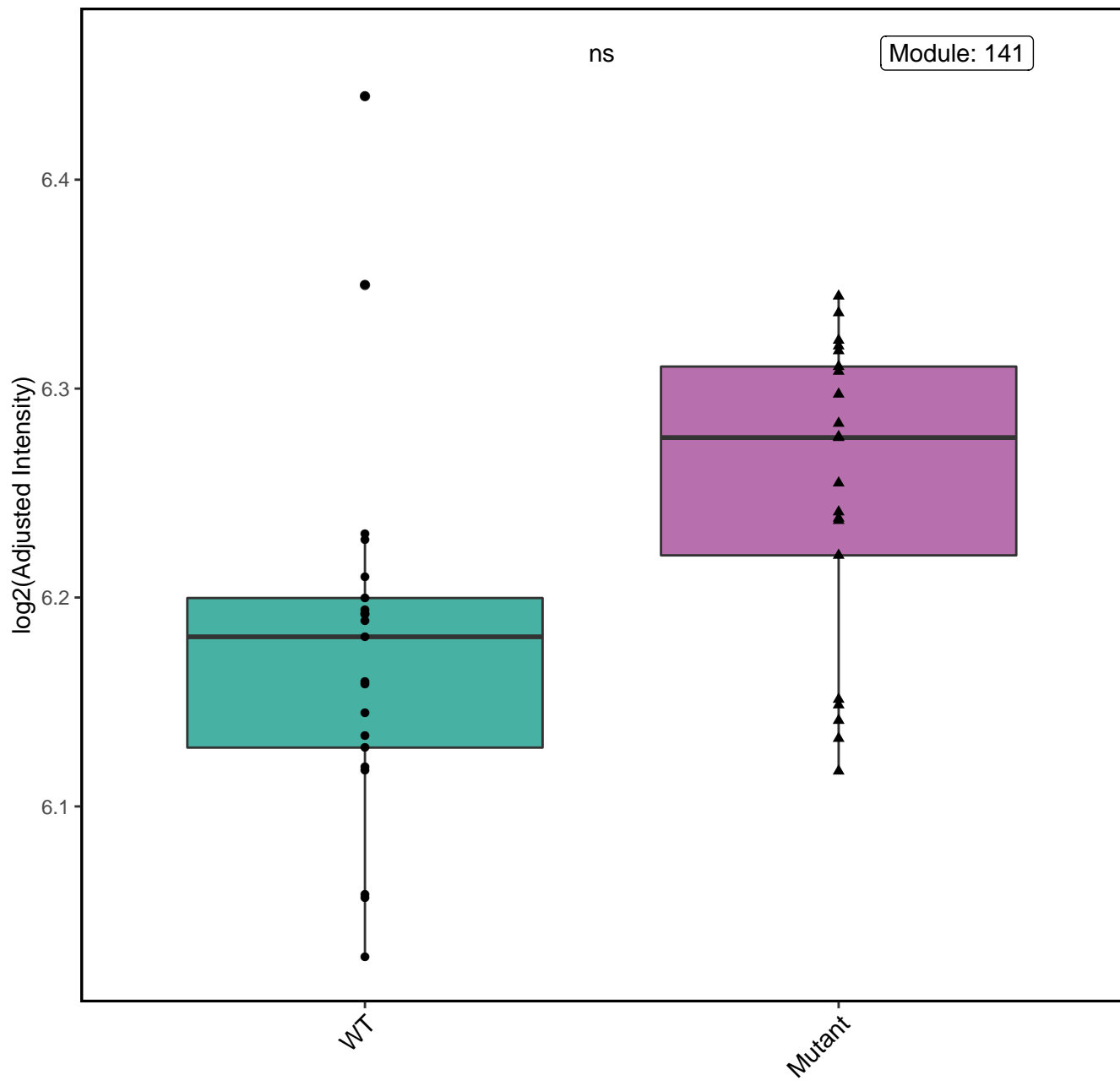
9.8  
10.0  
10.2  
10.4

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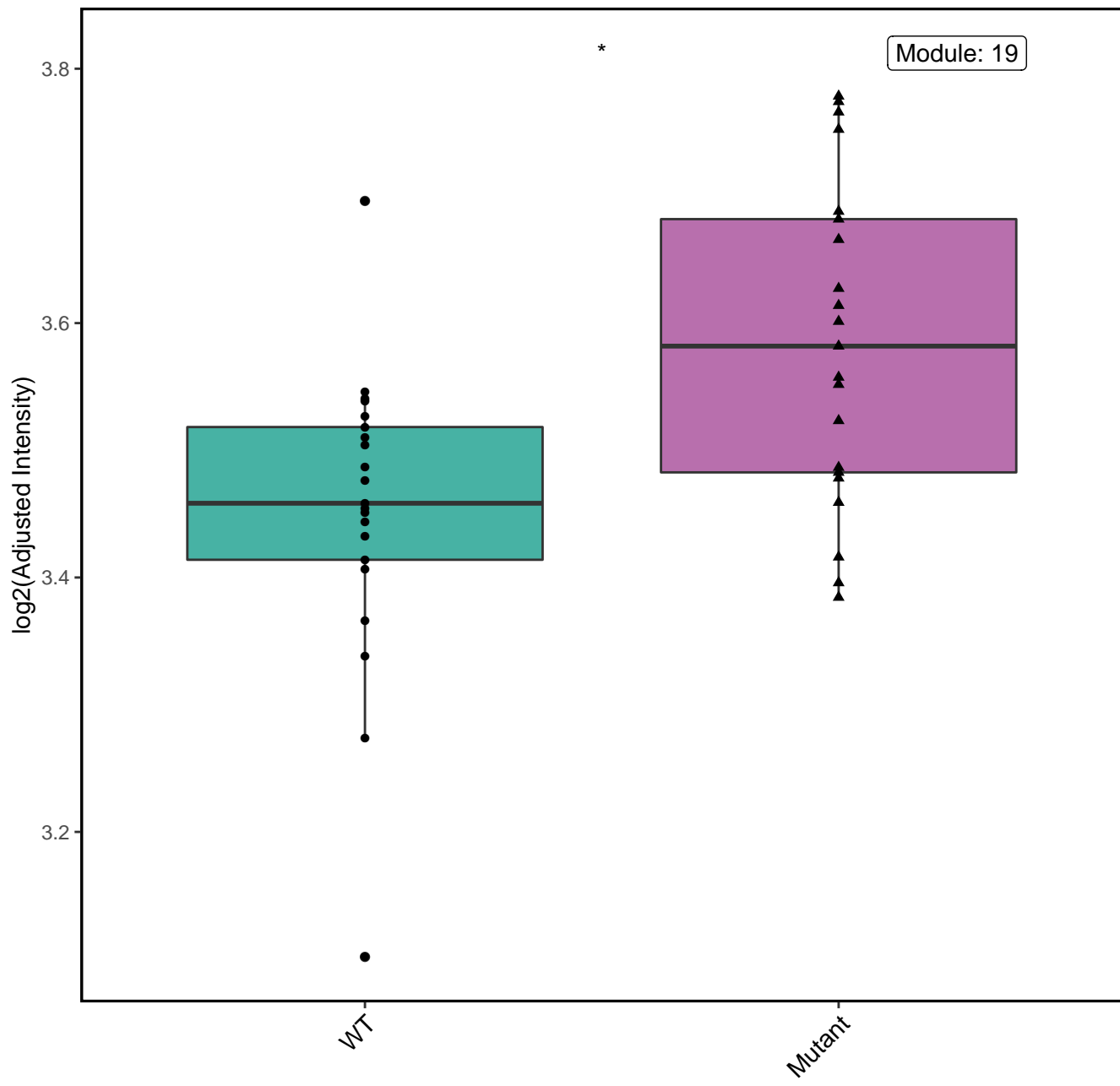


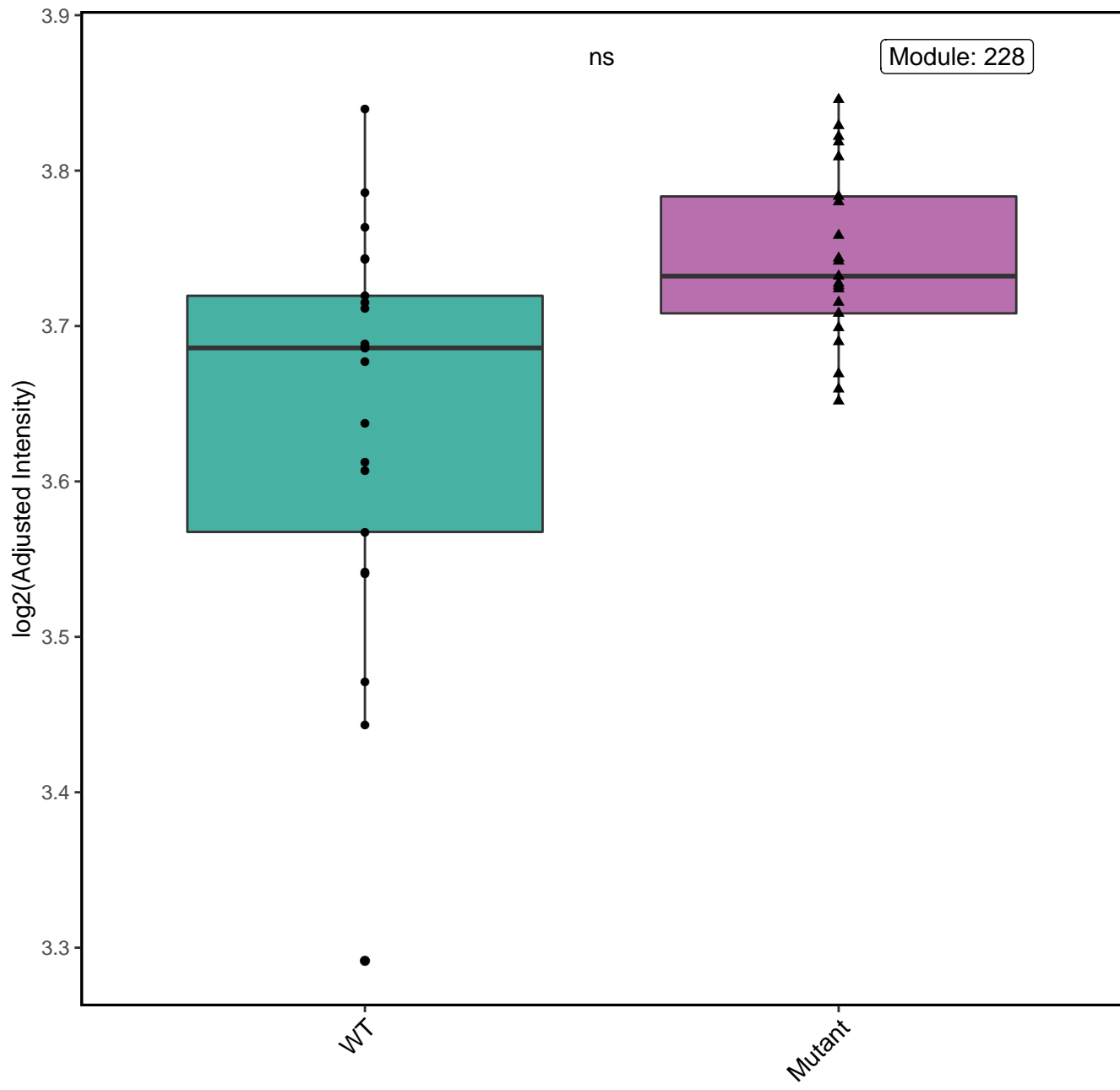


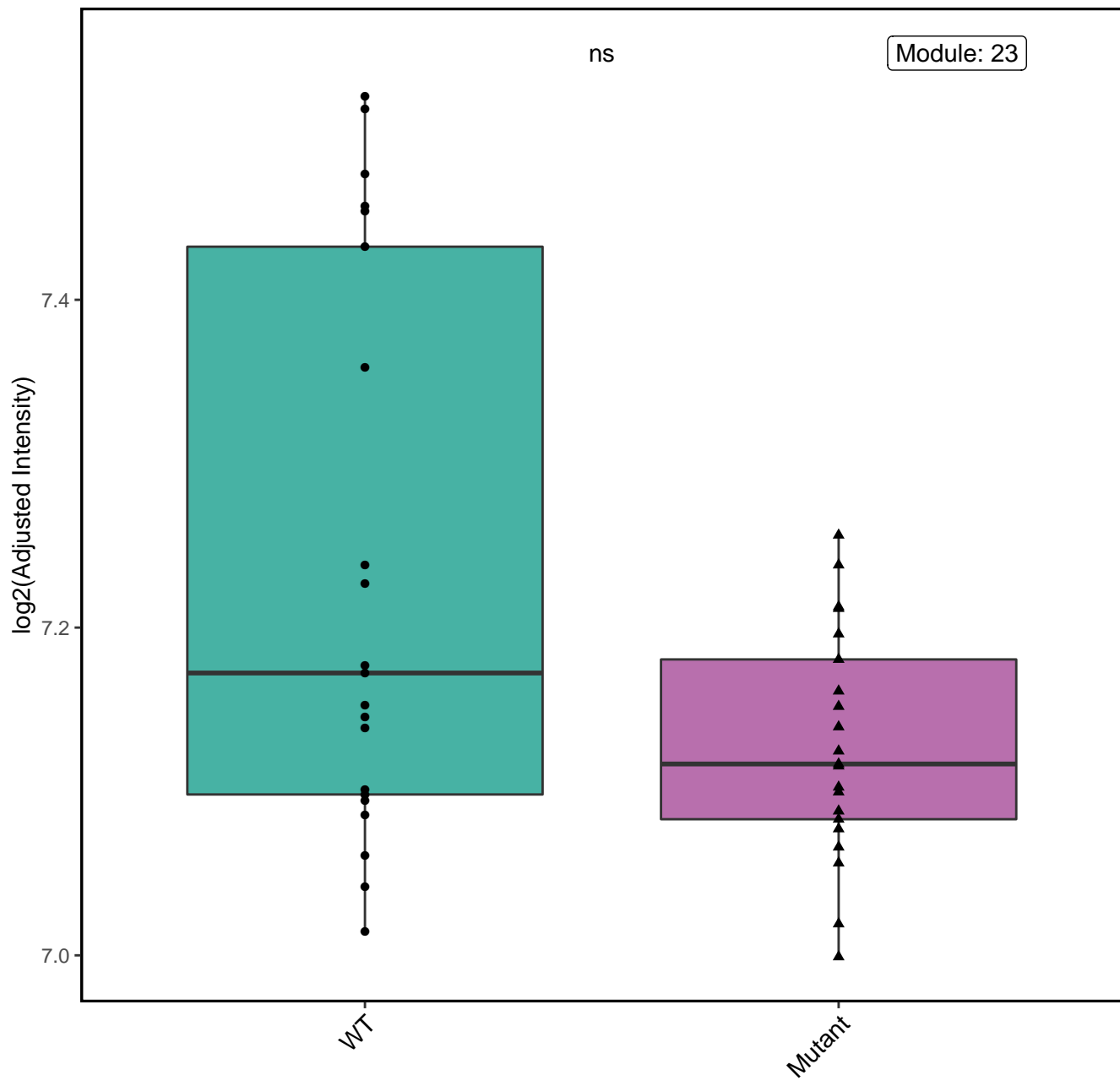


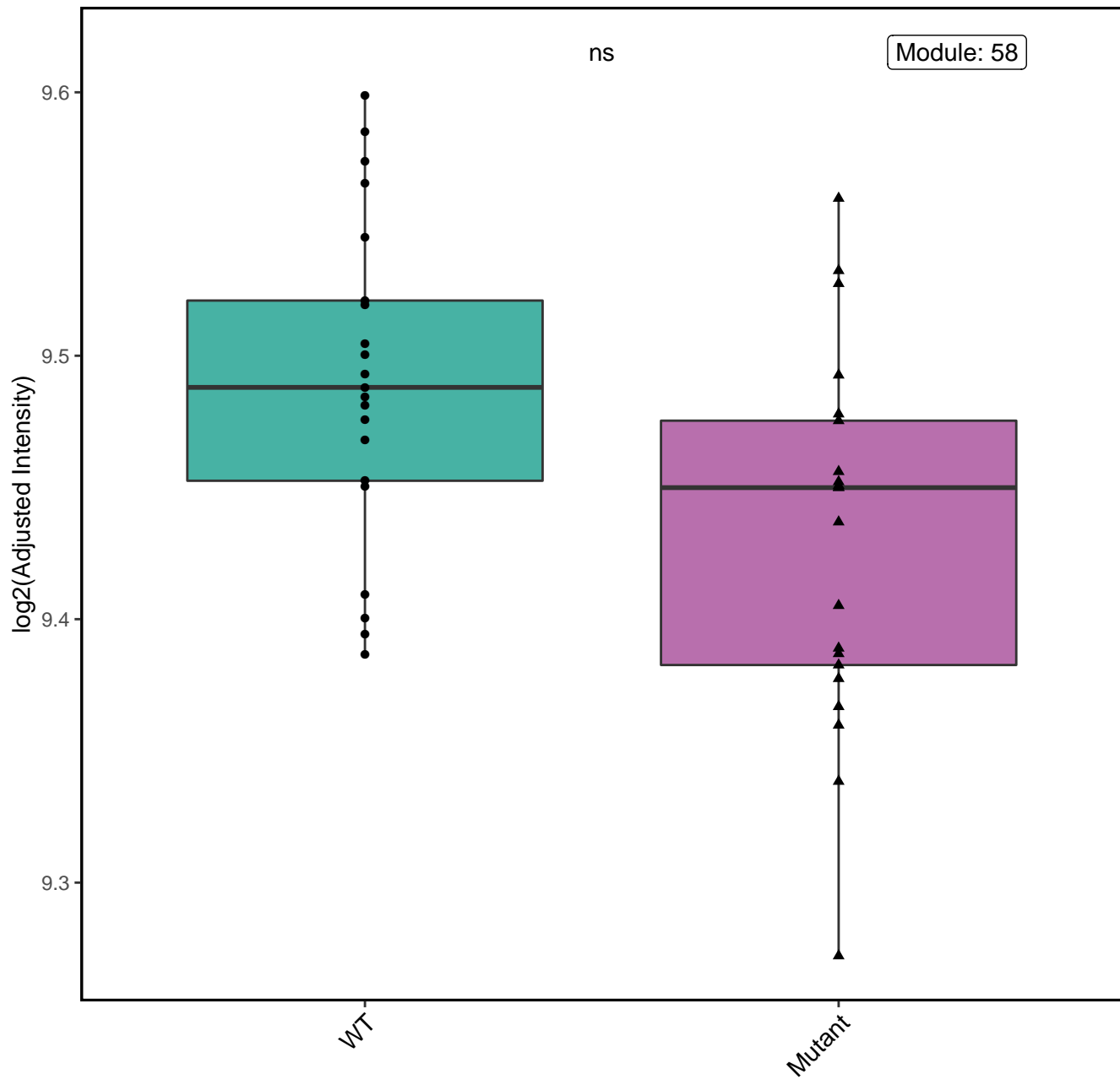


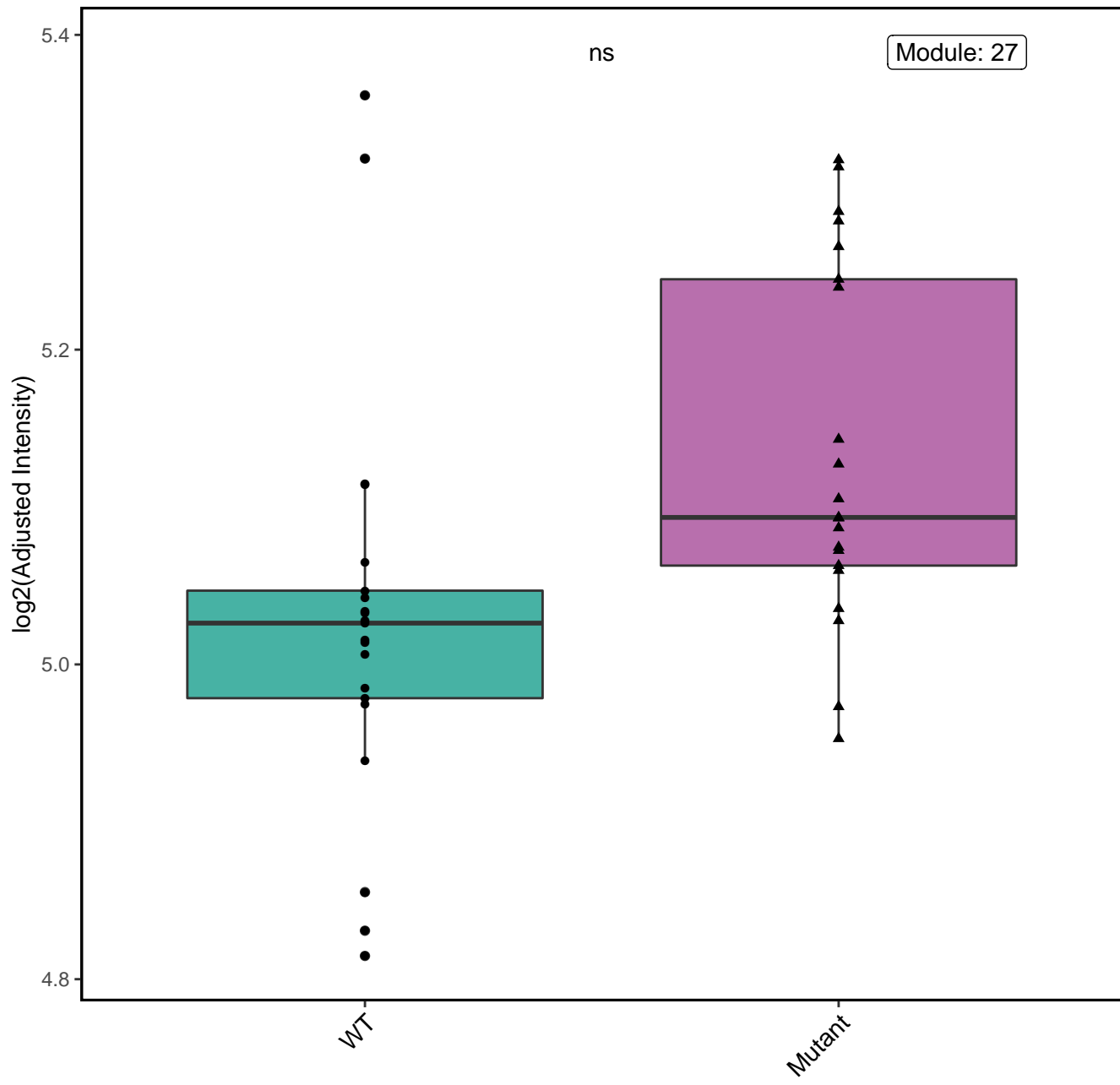


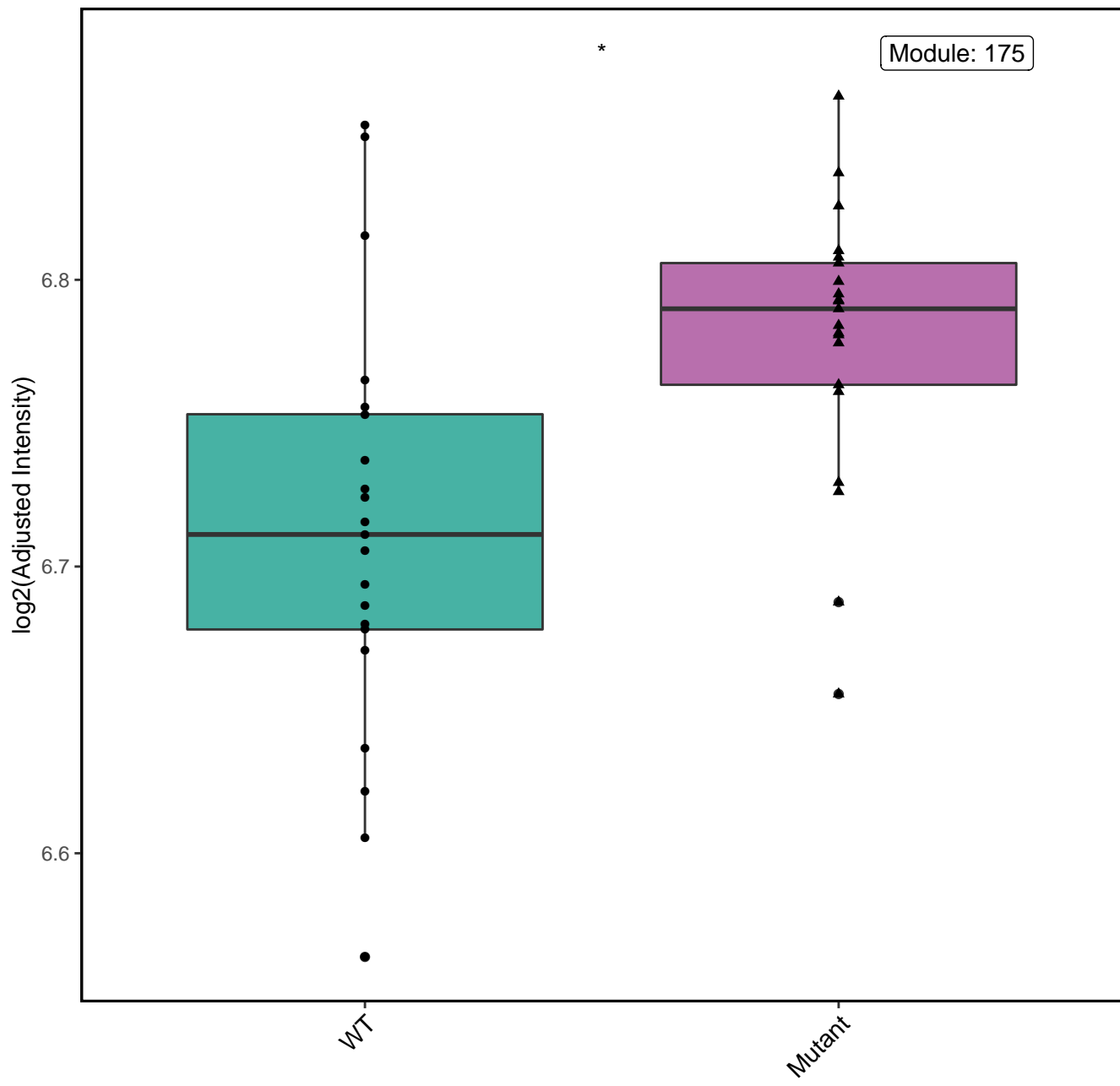


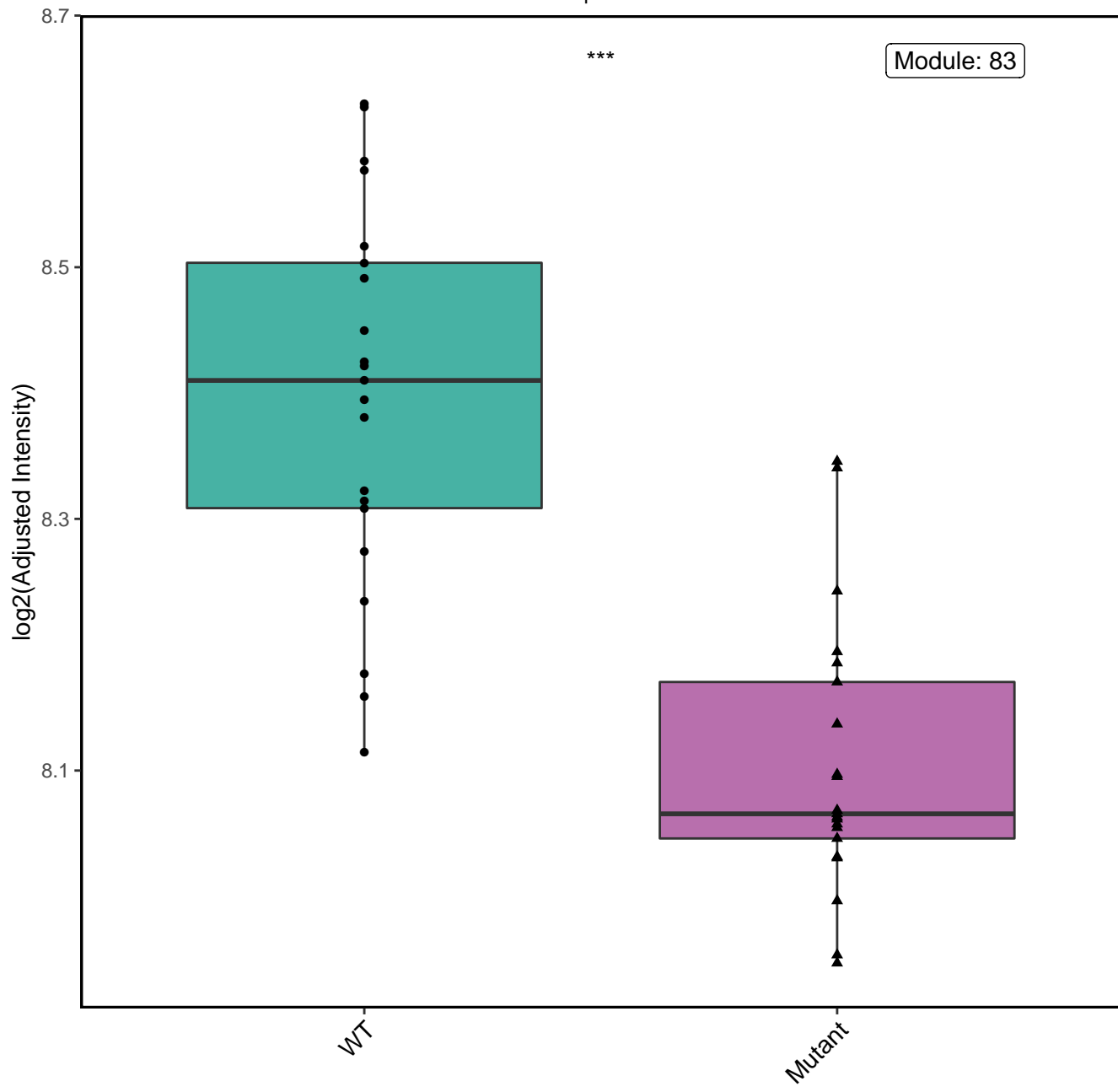


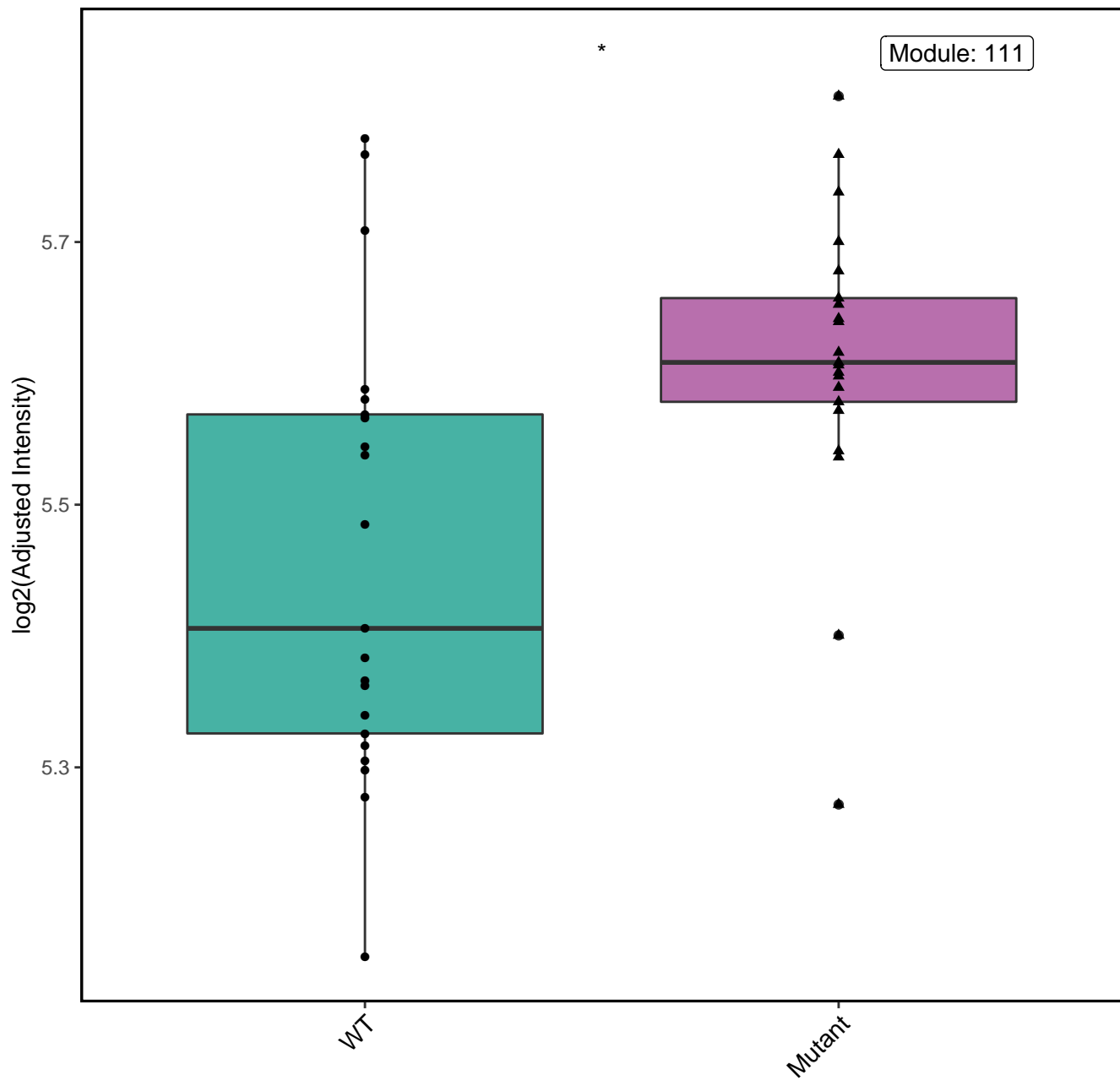




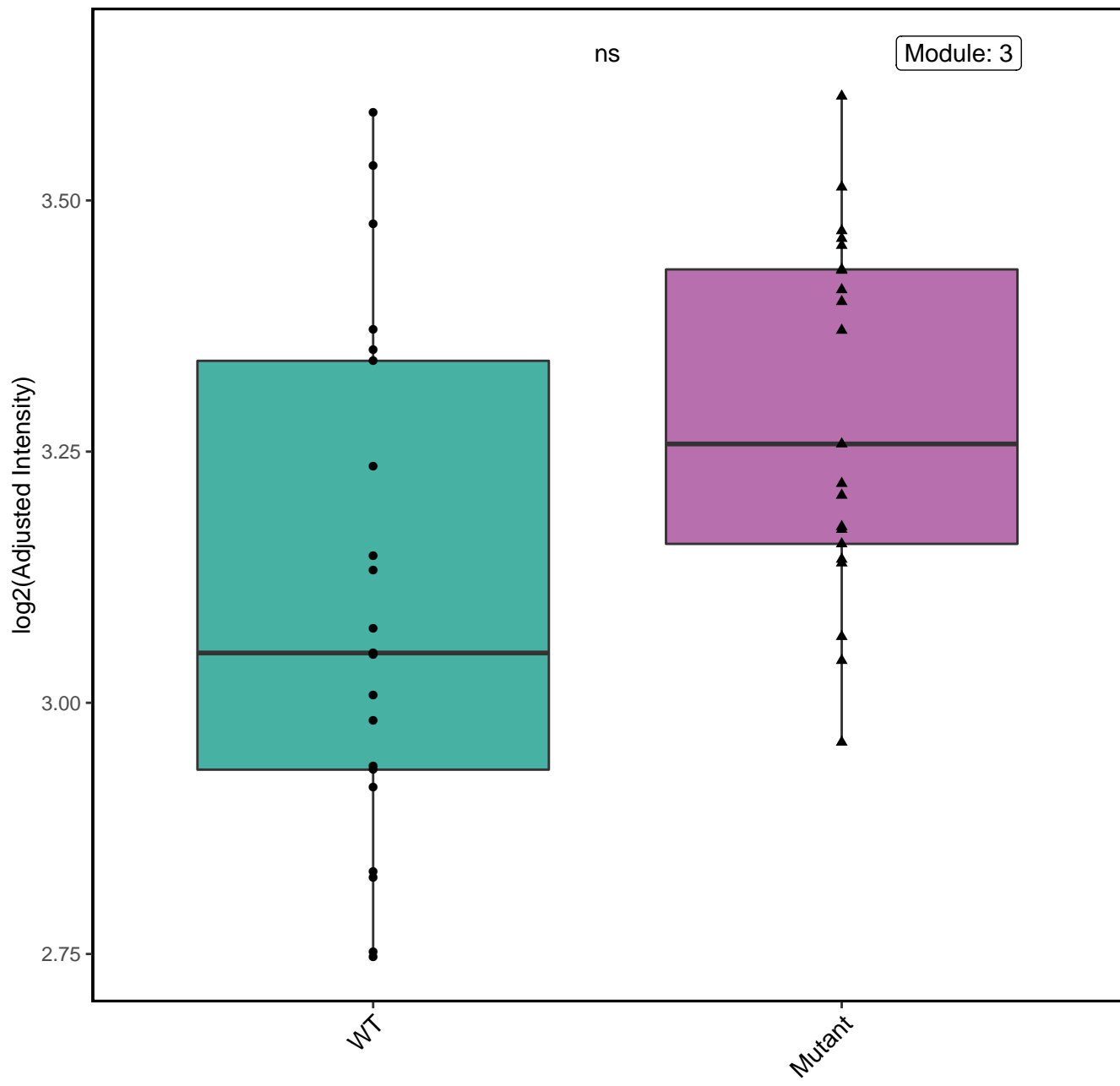


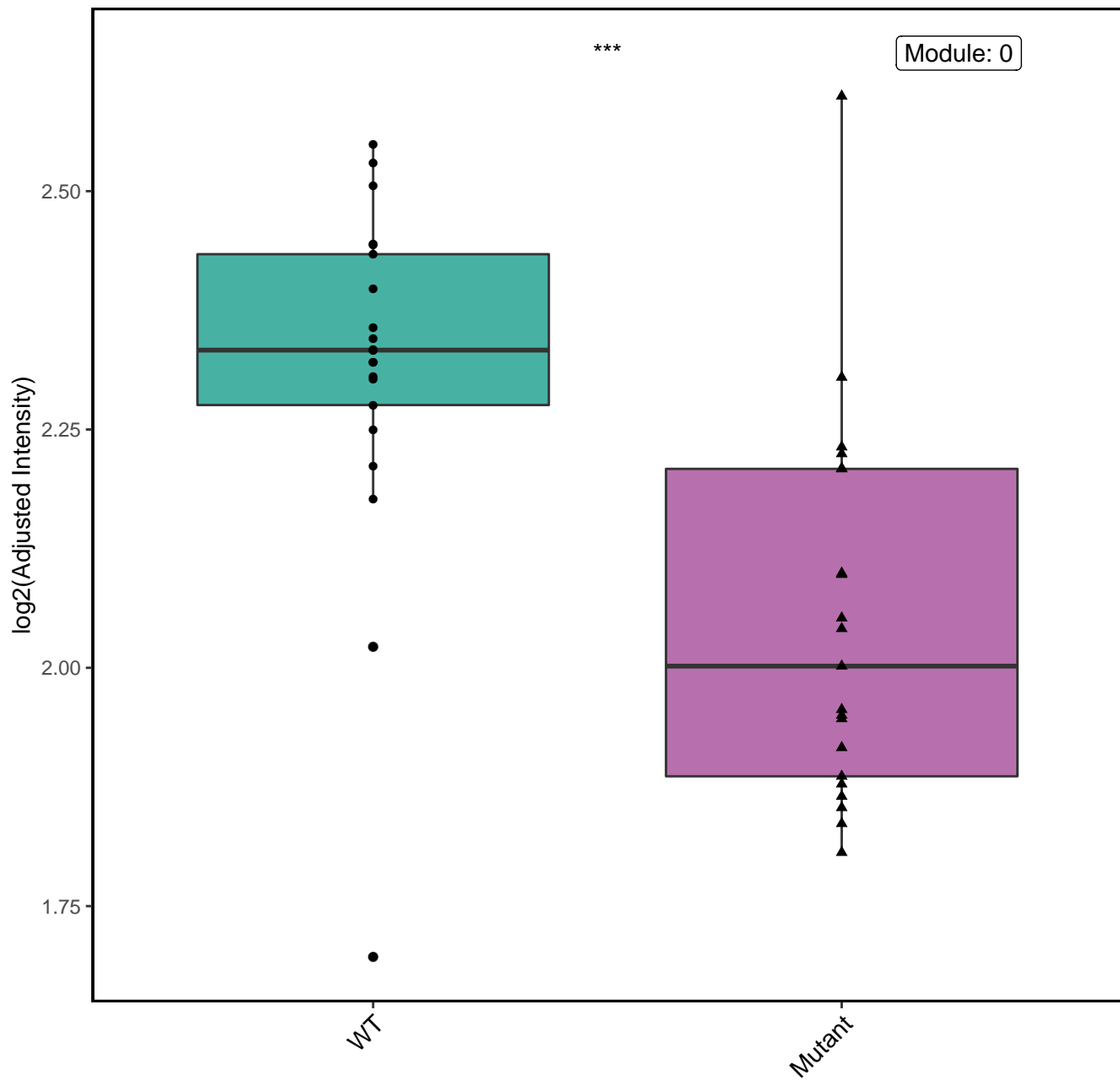


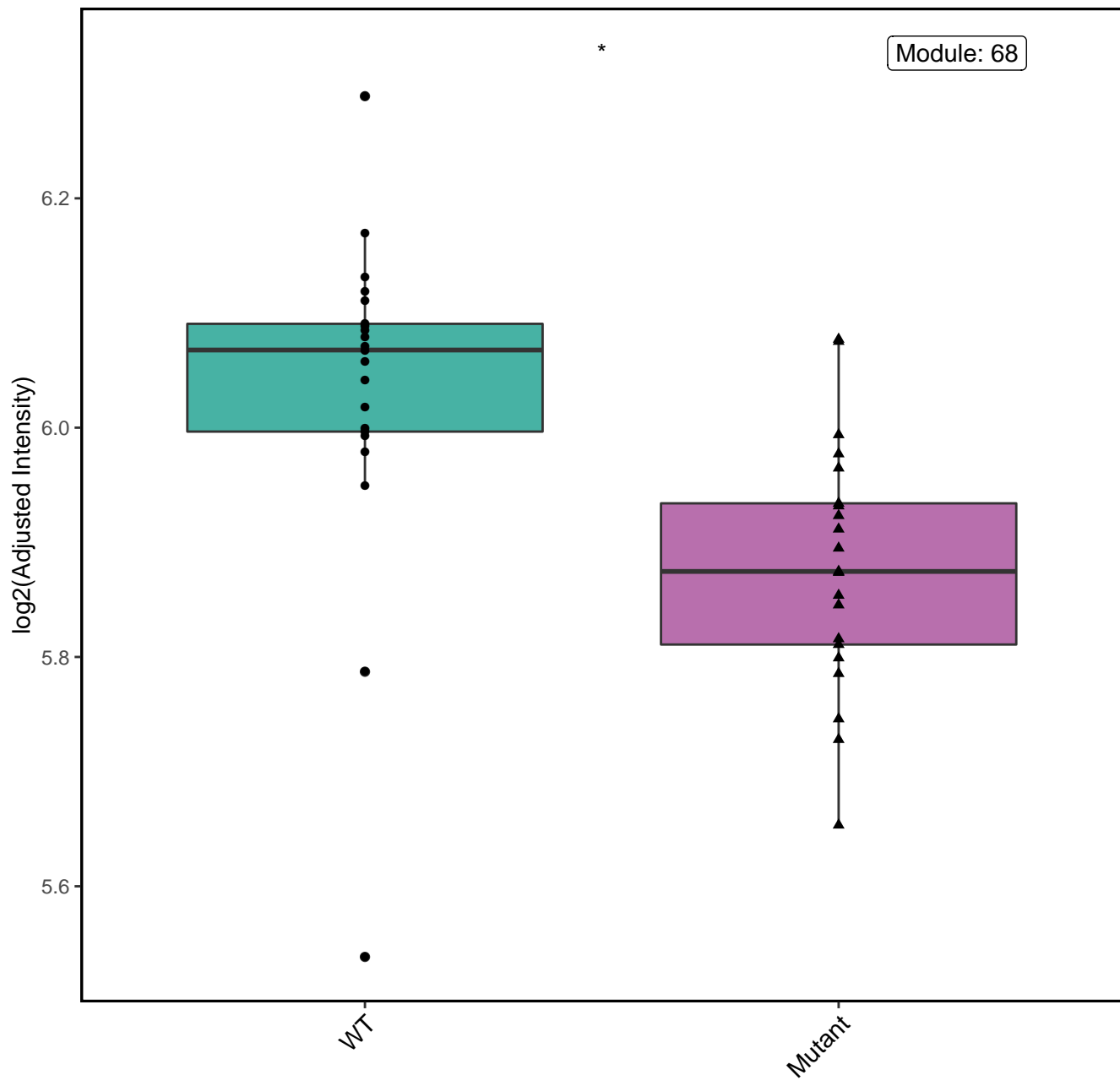


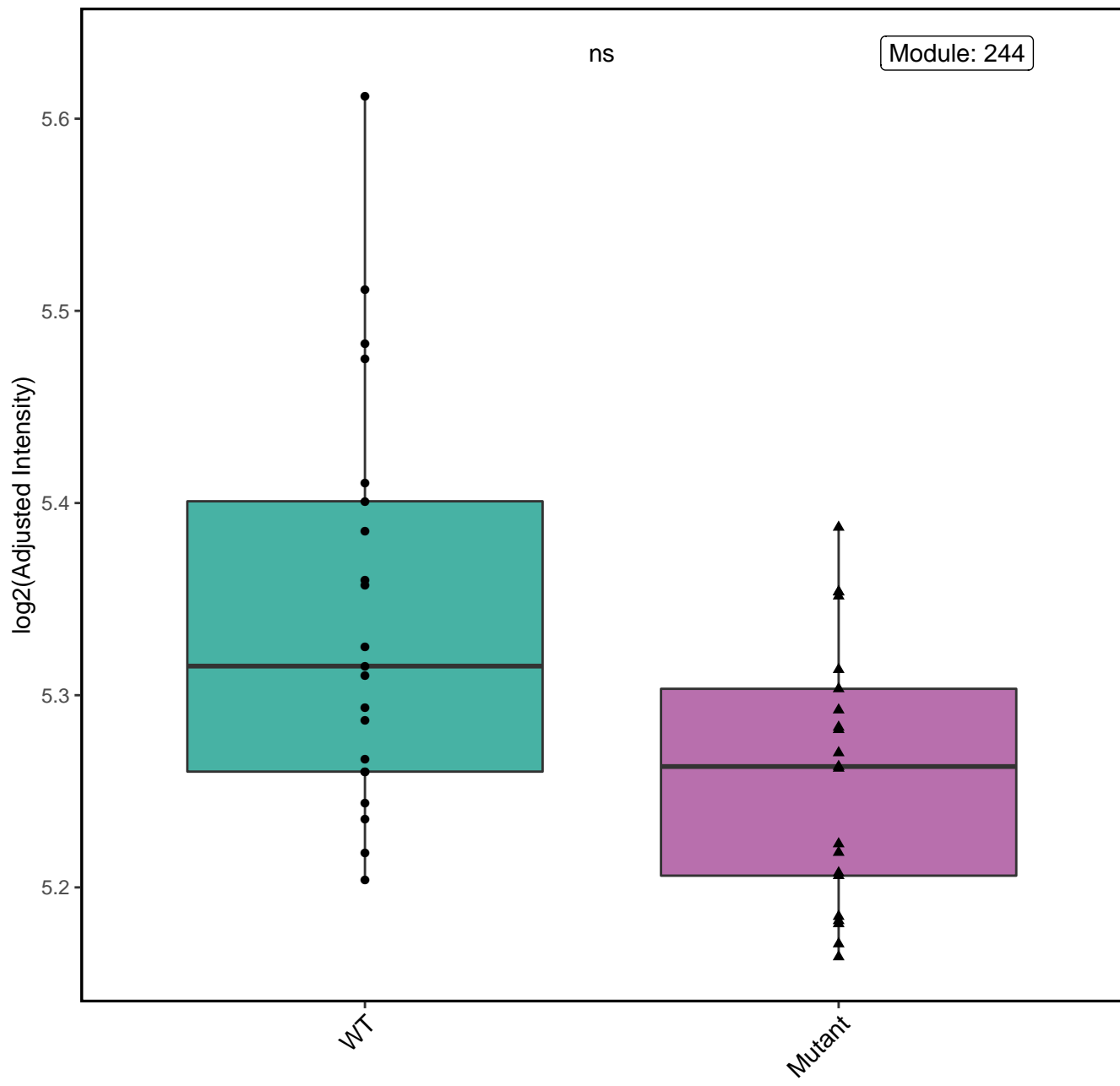


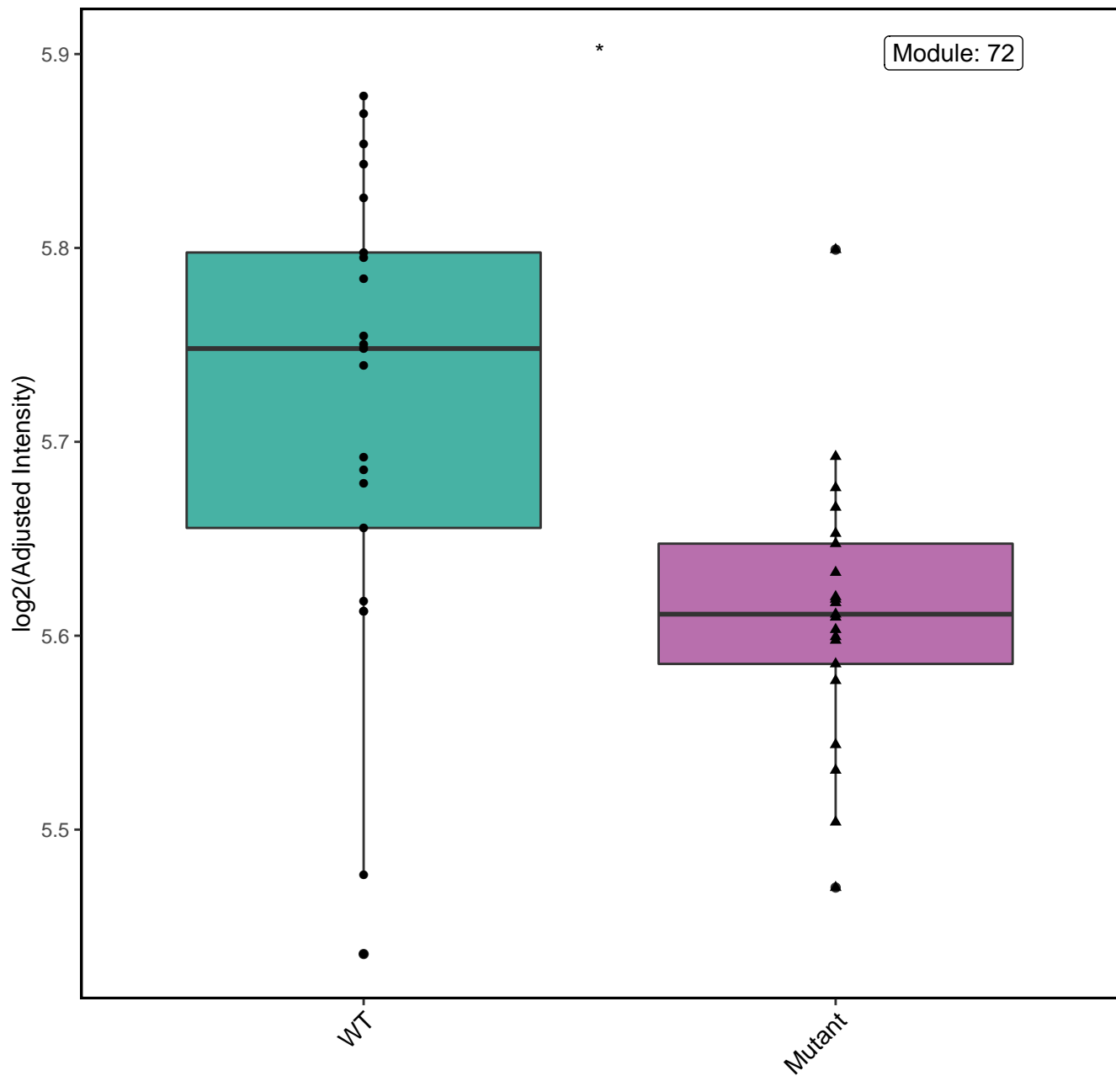


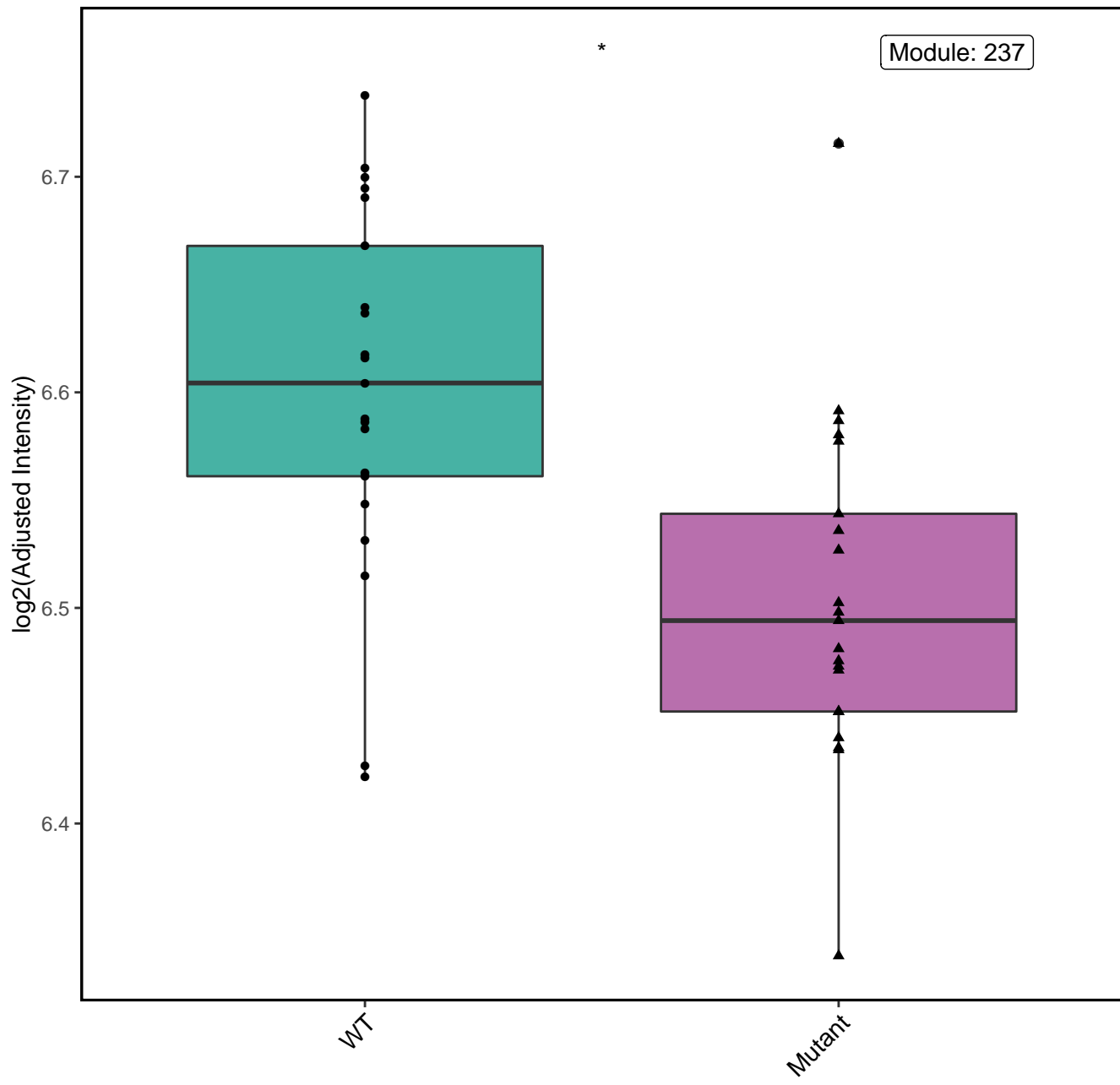


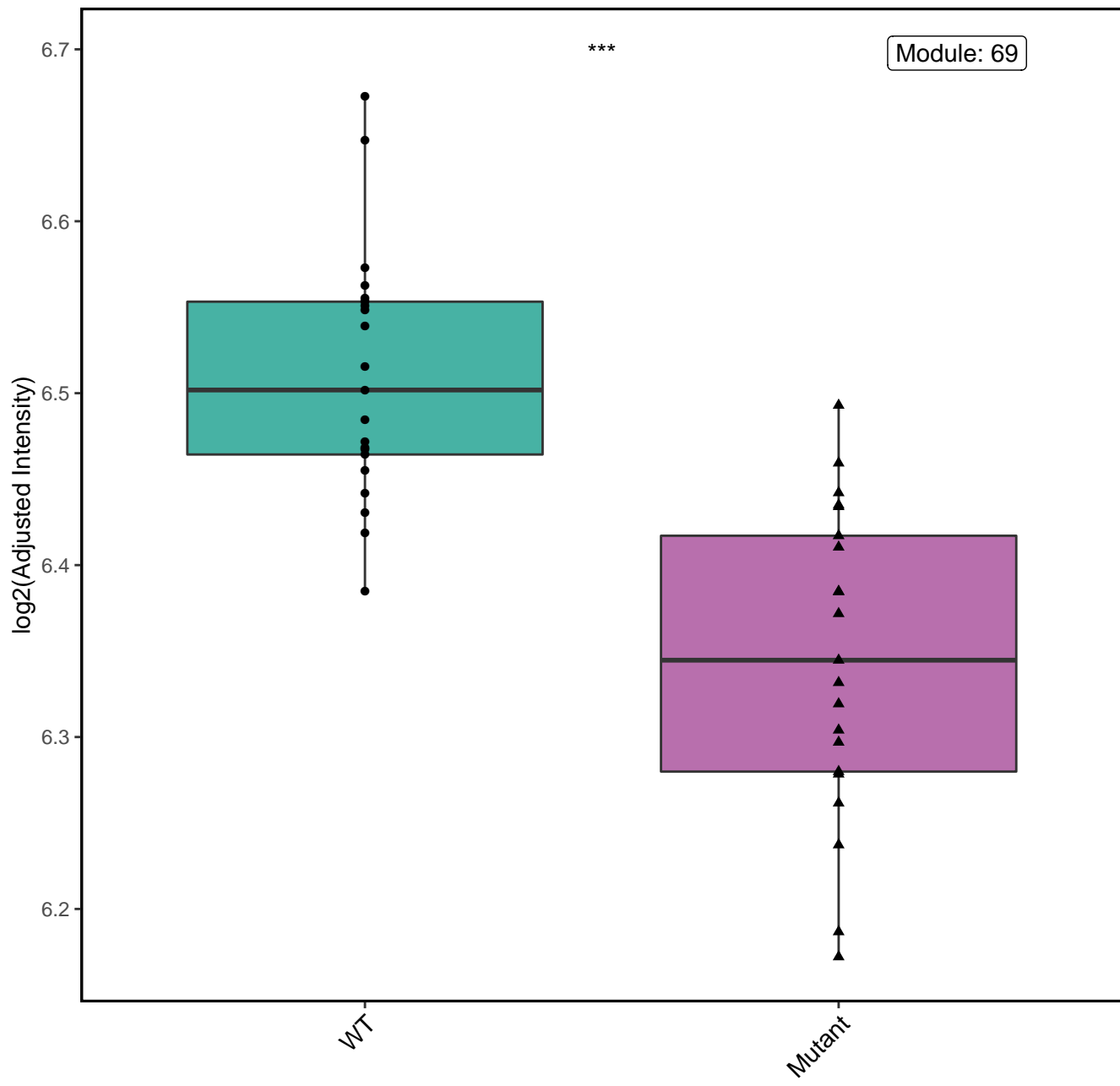


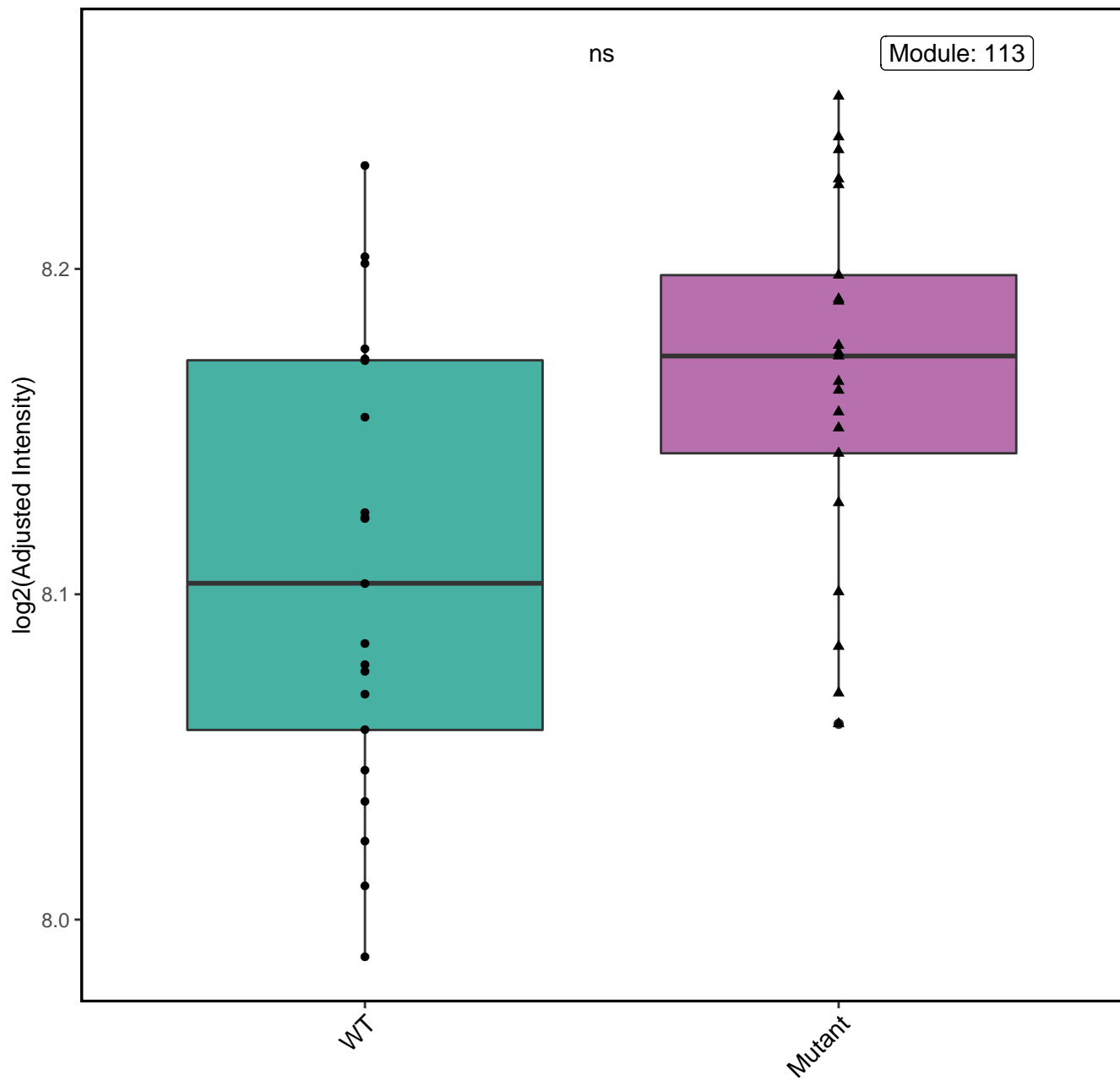




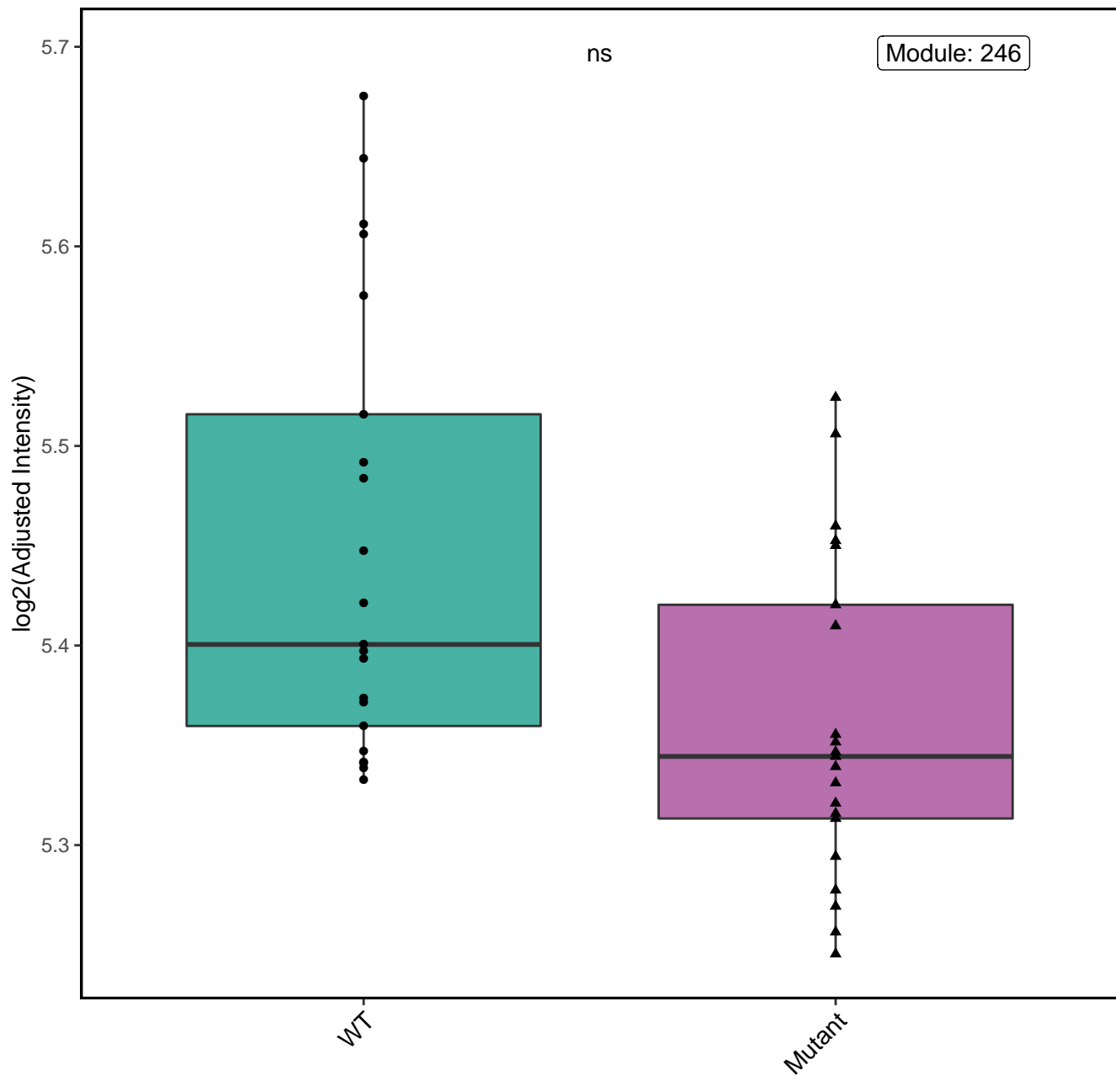


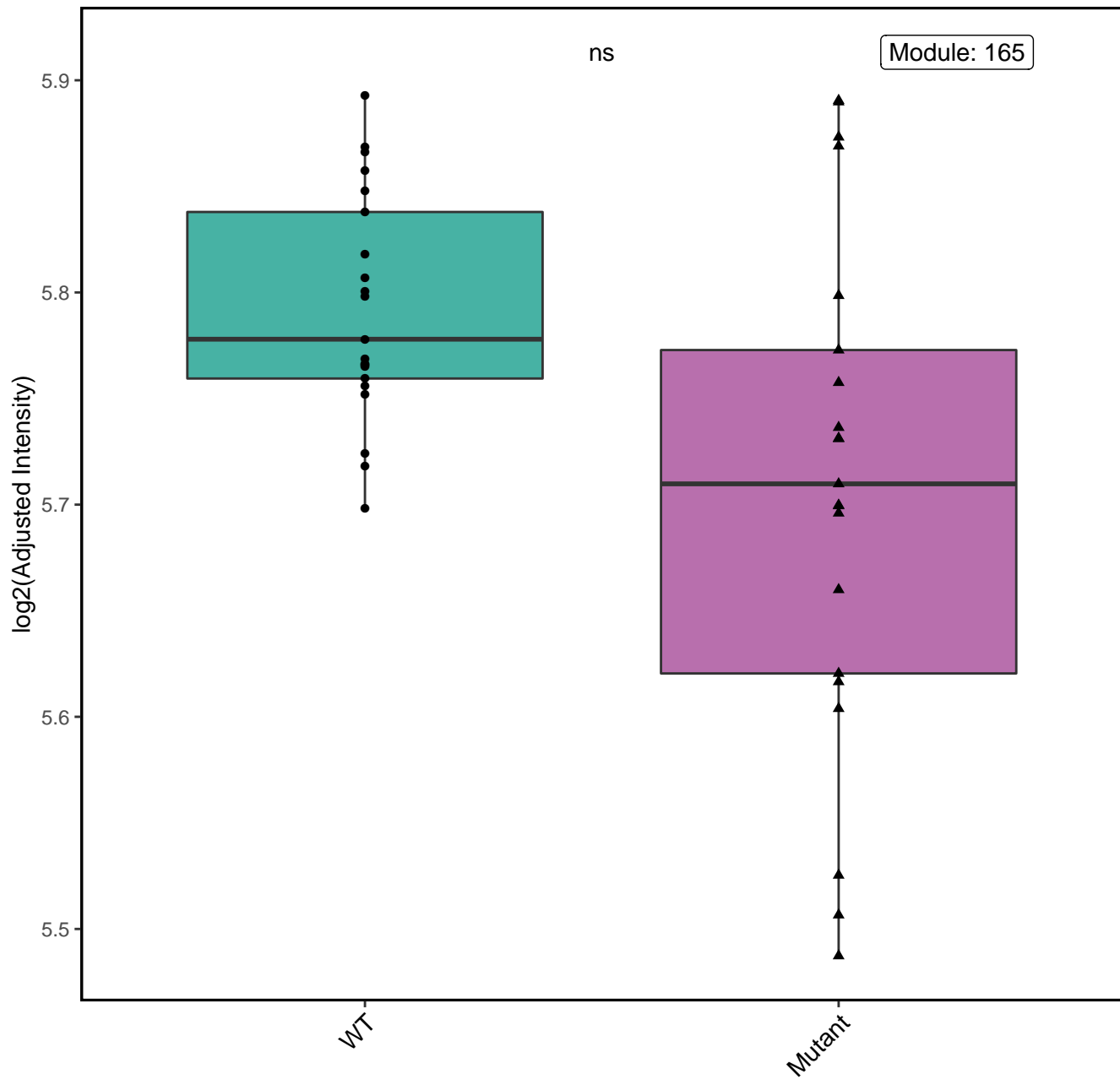


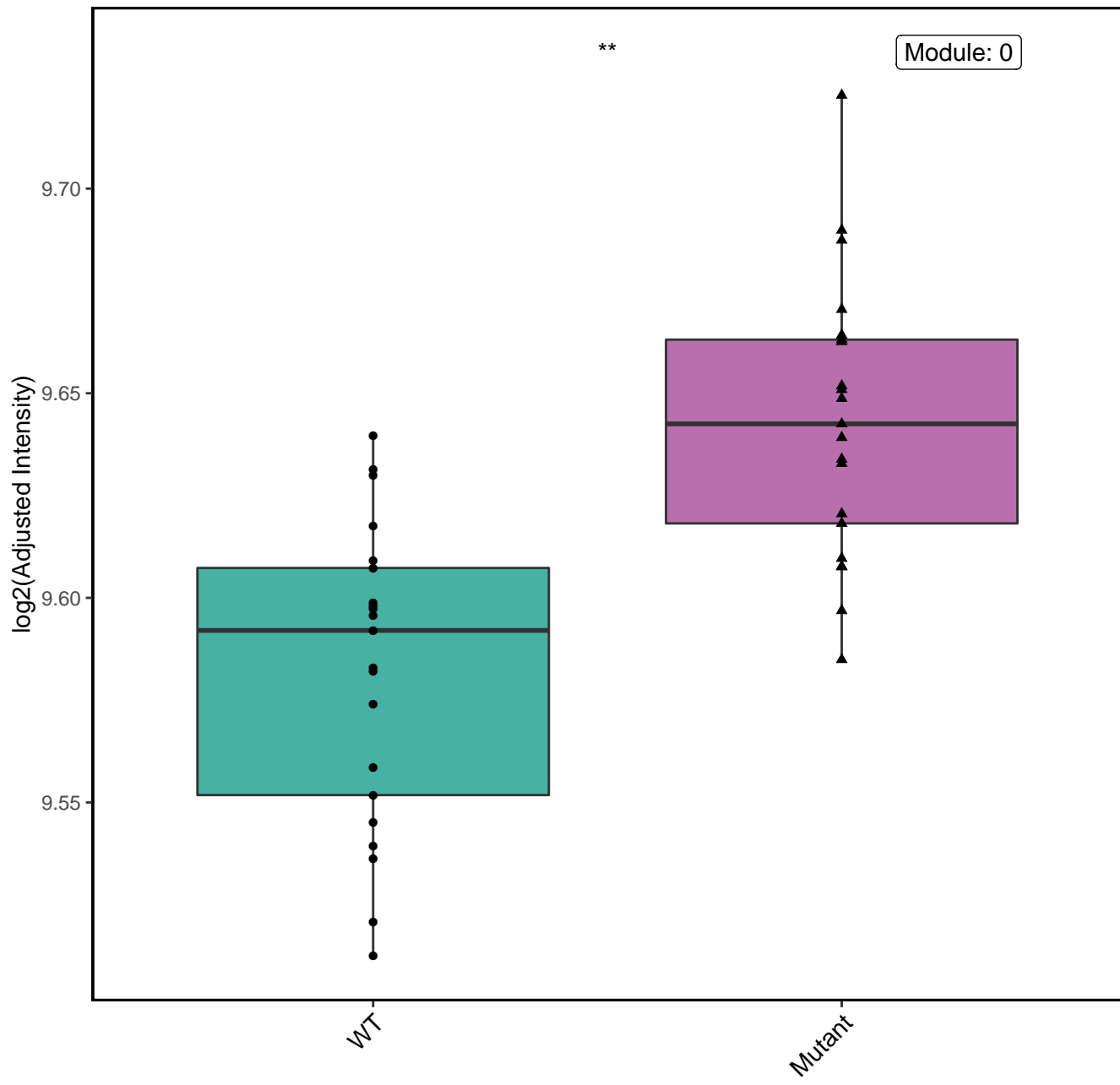


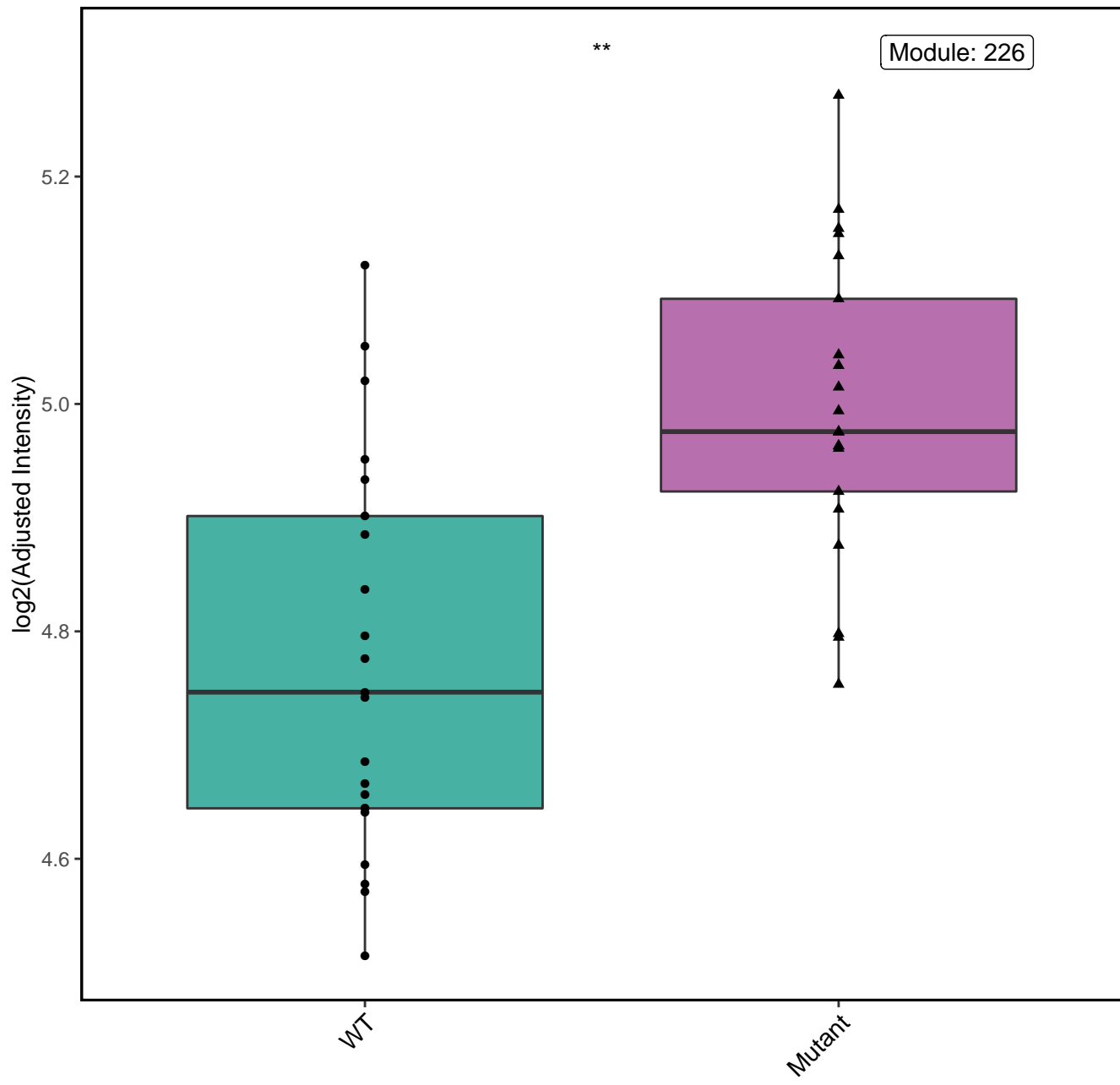


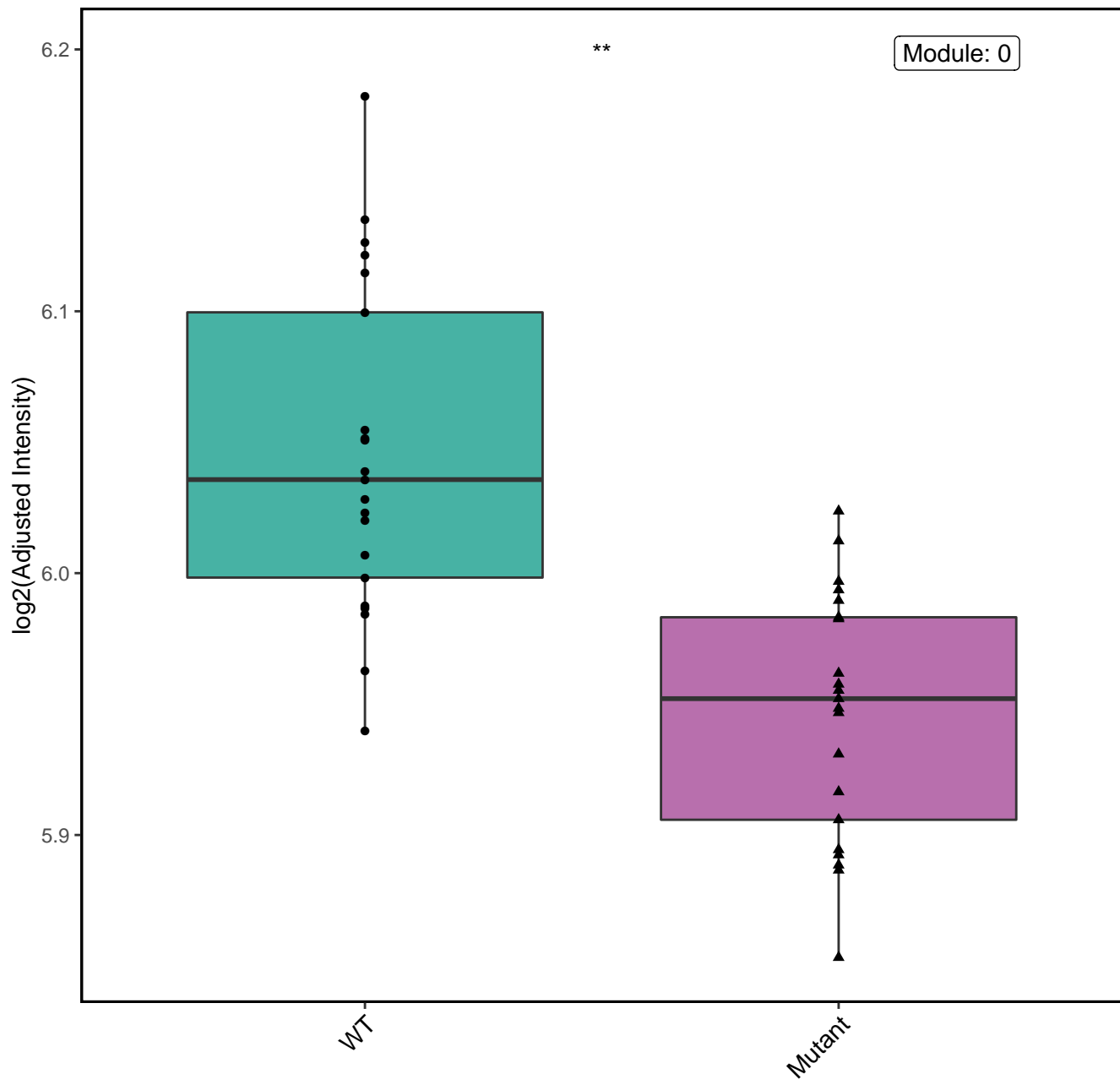


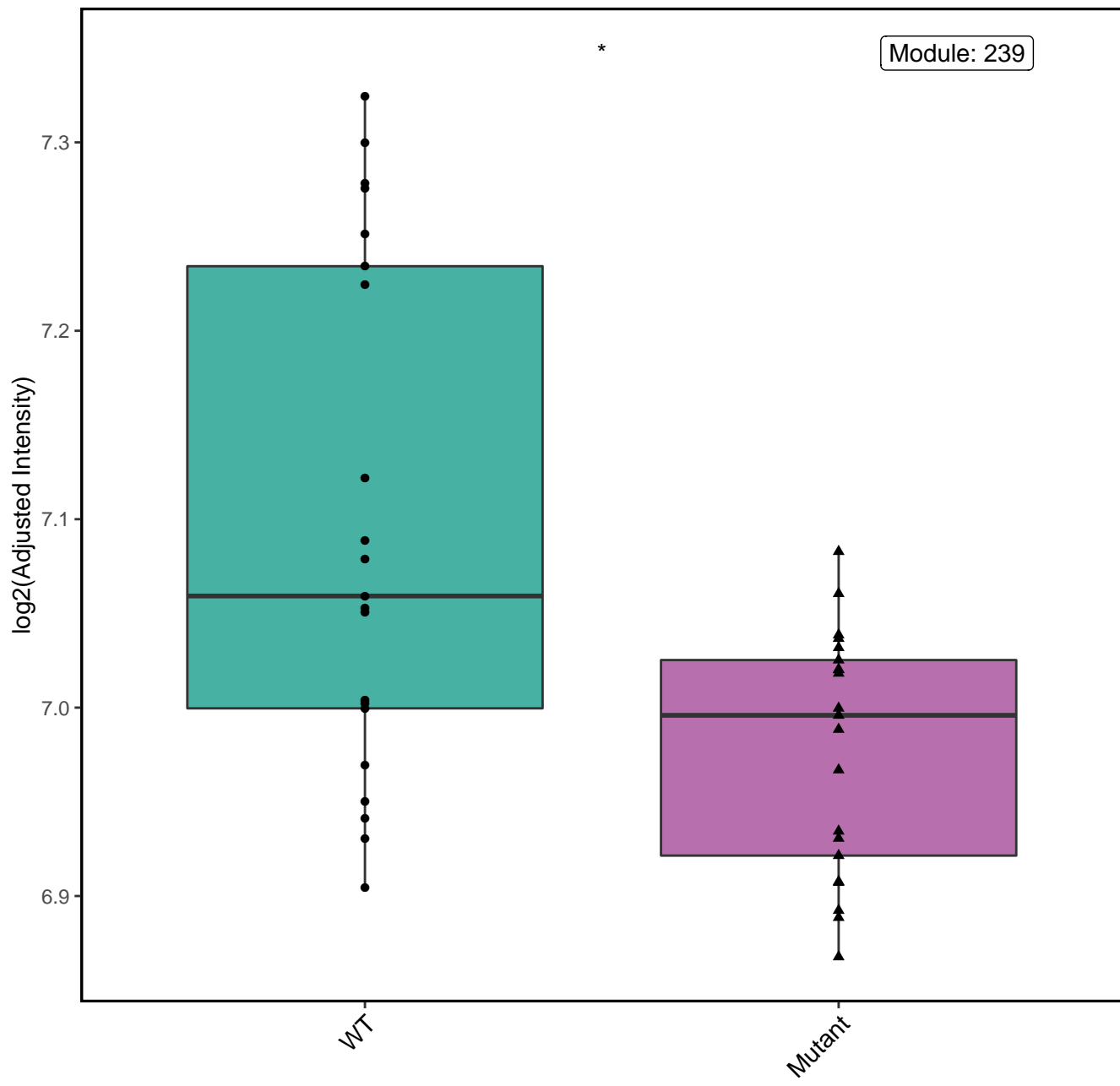












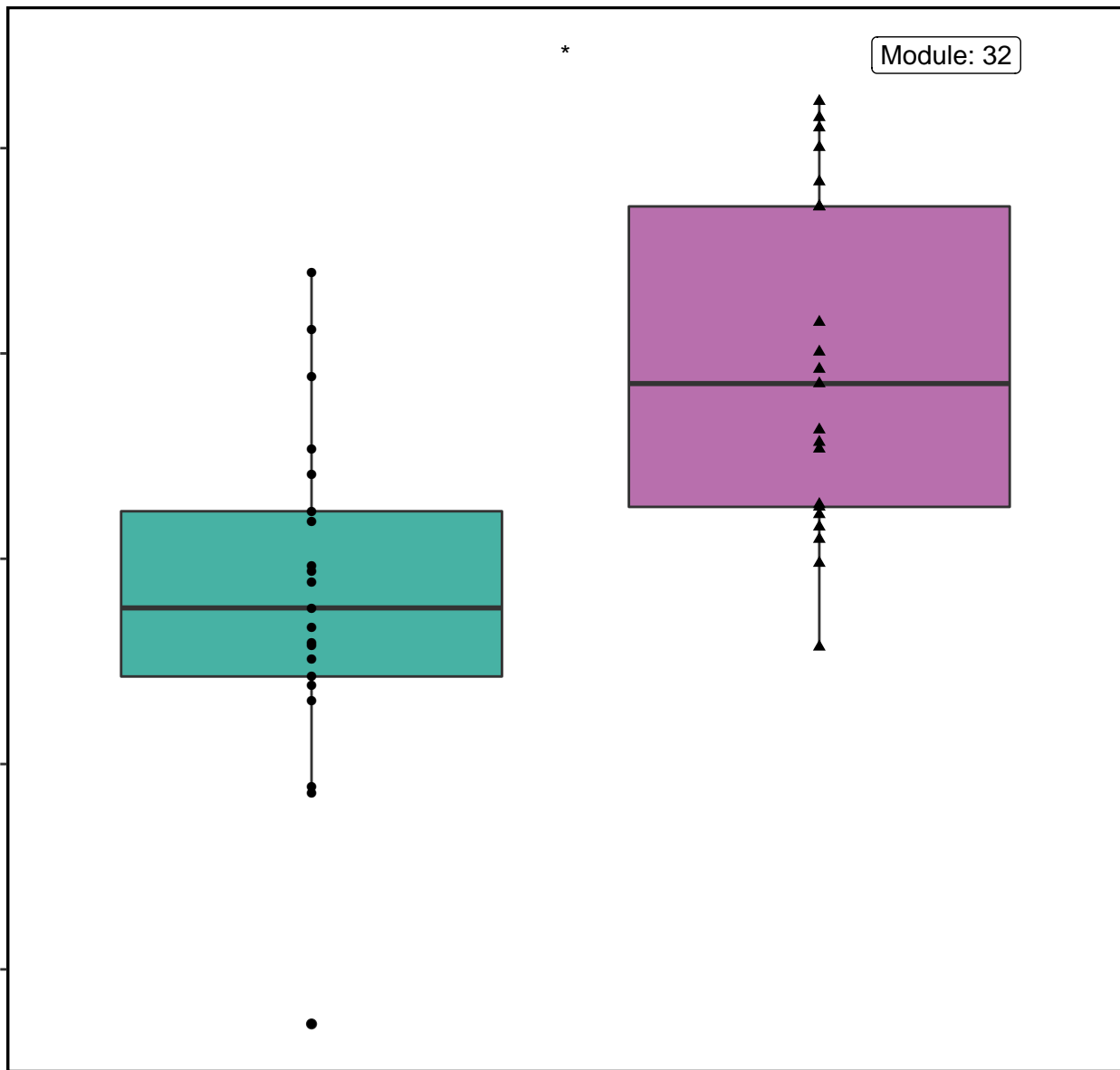
log2(Adjusted Intensity)

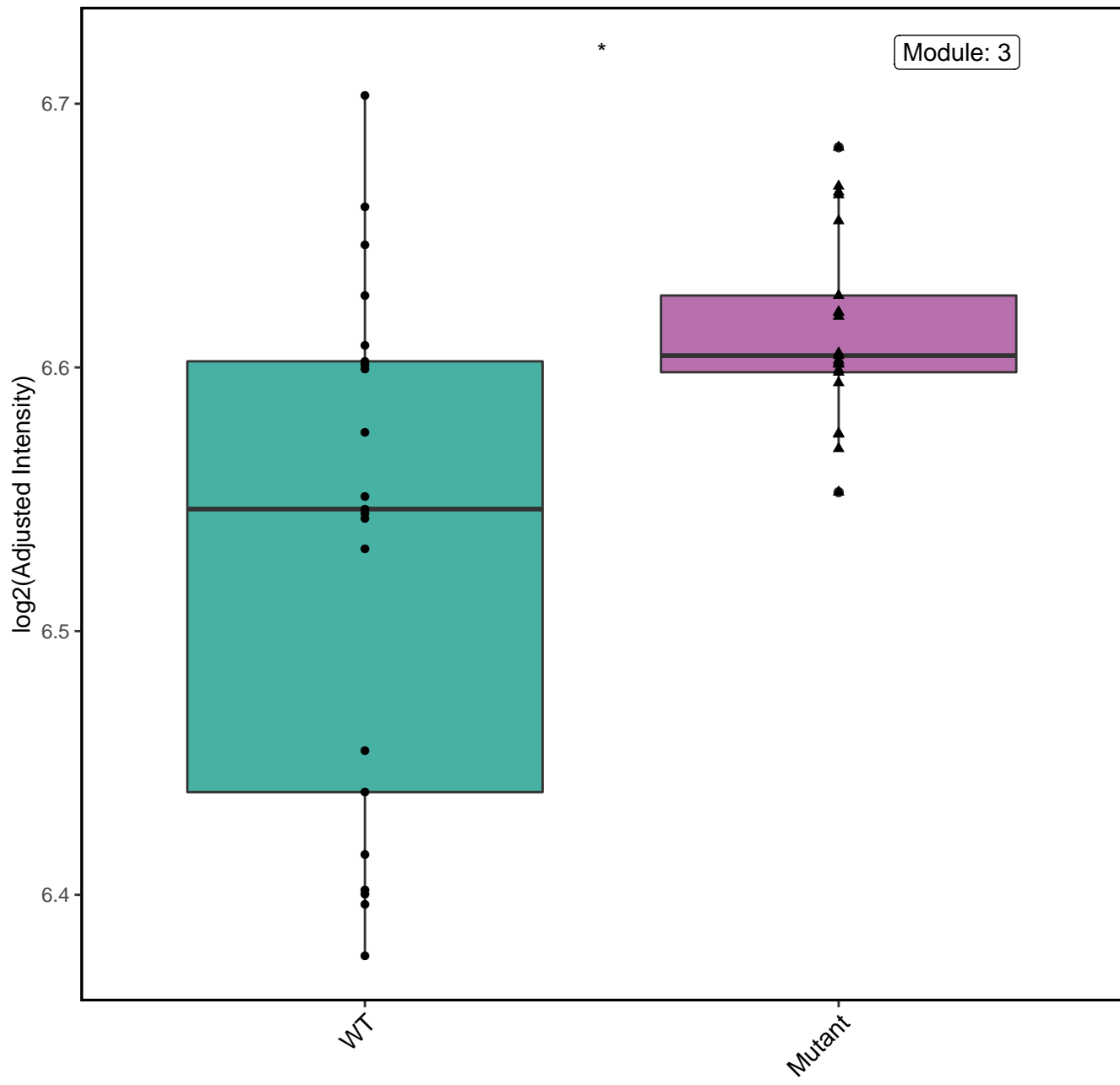
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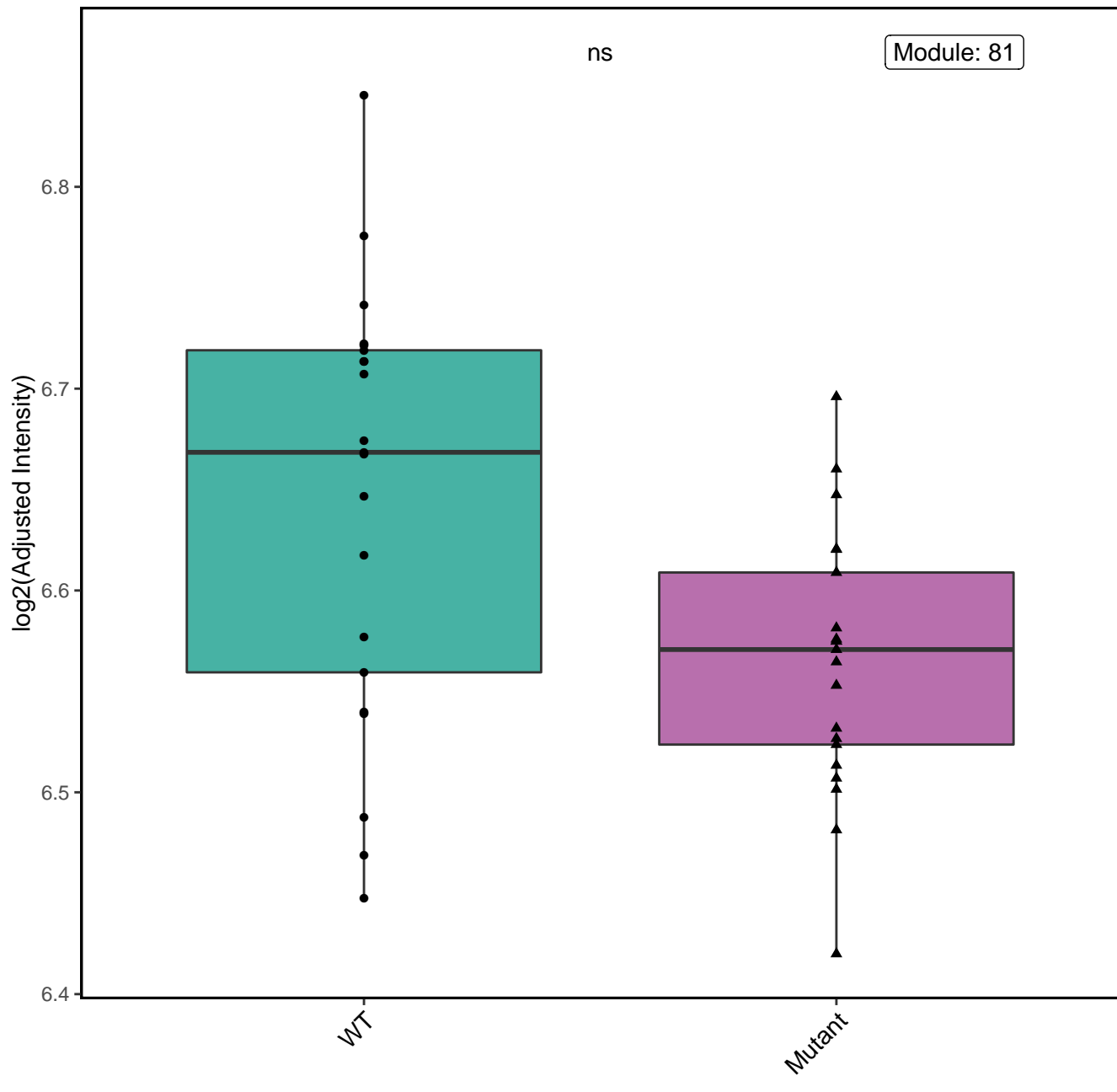
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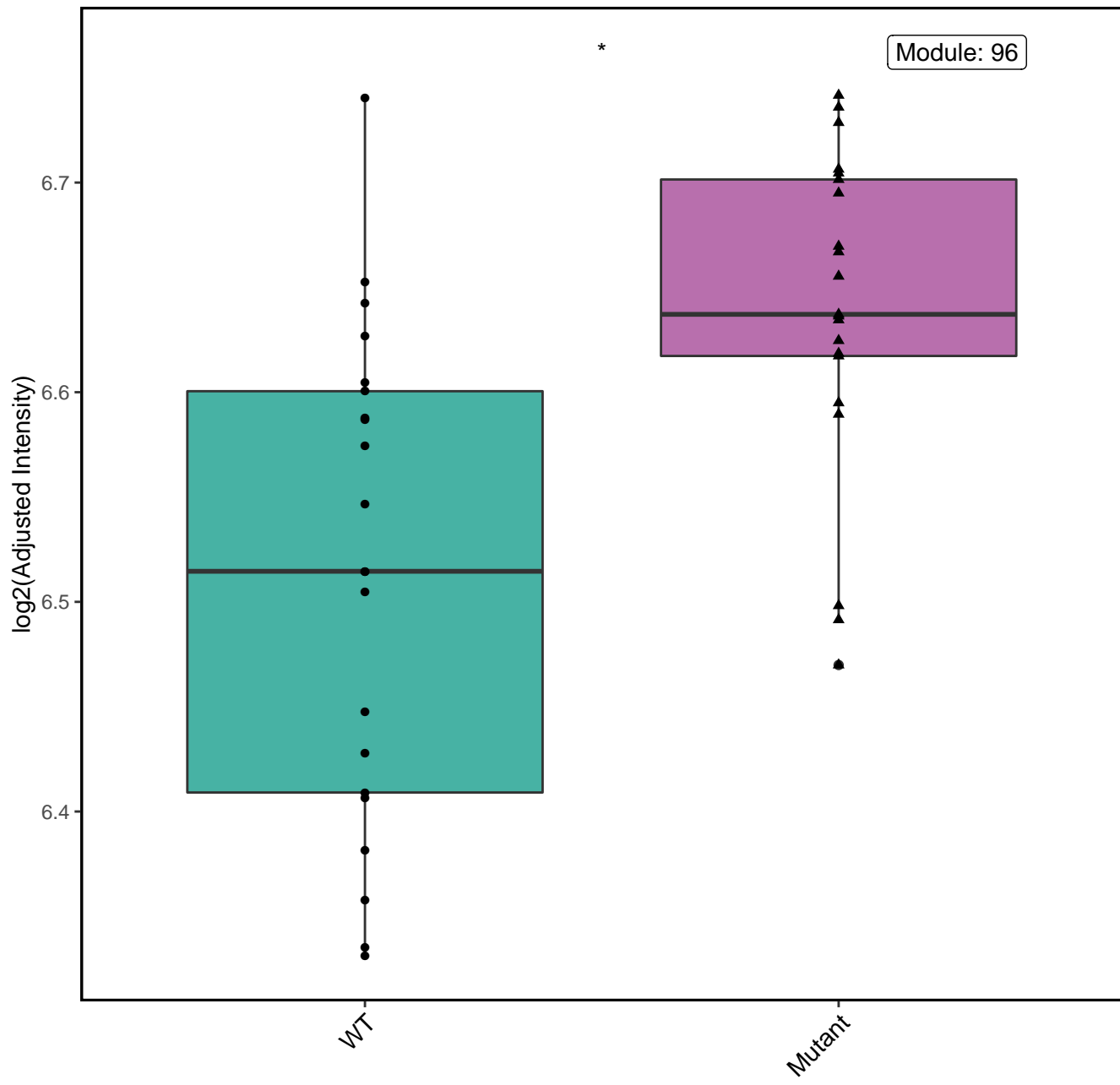
6.6  
6.5  
6.4  
6.3  
6.2











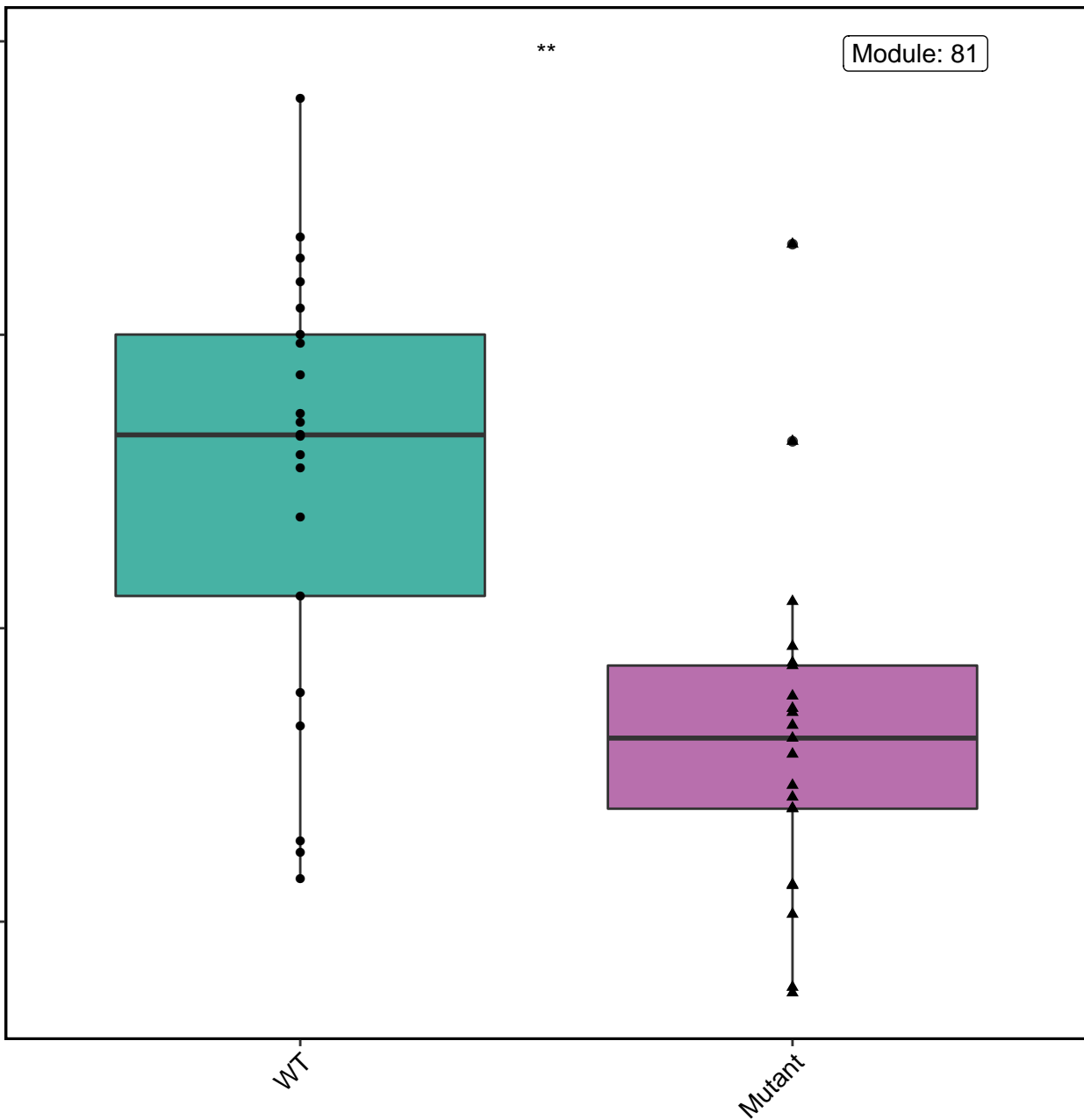
log2(Adjusted Intensity)

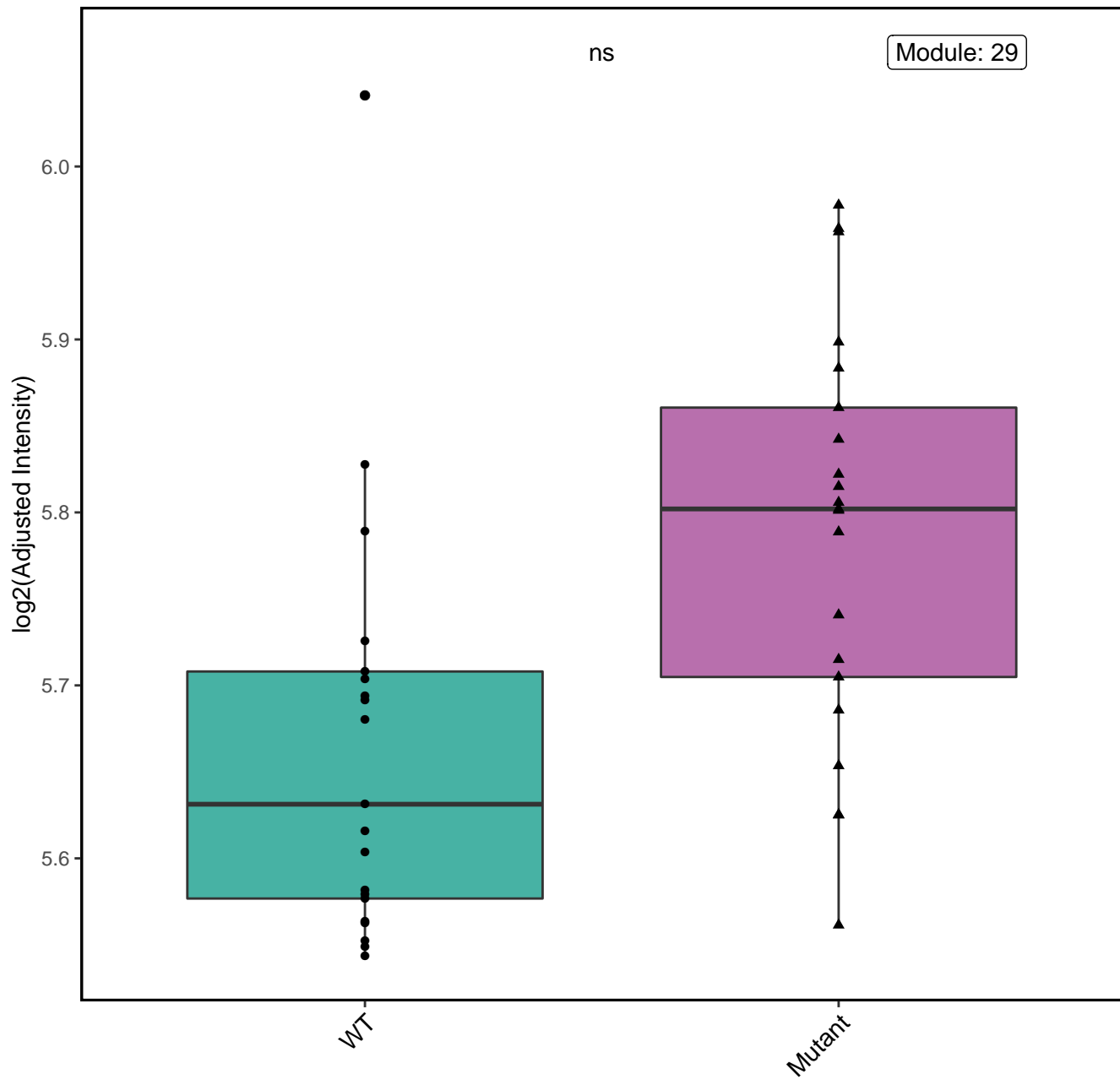
8.0  
7.8  
7.6  
7.4

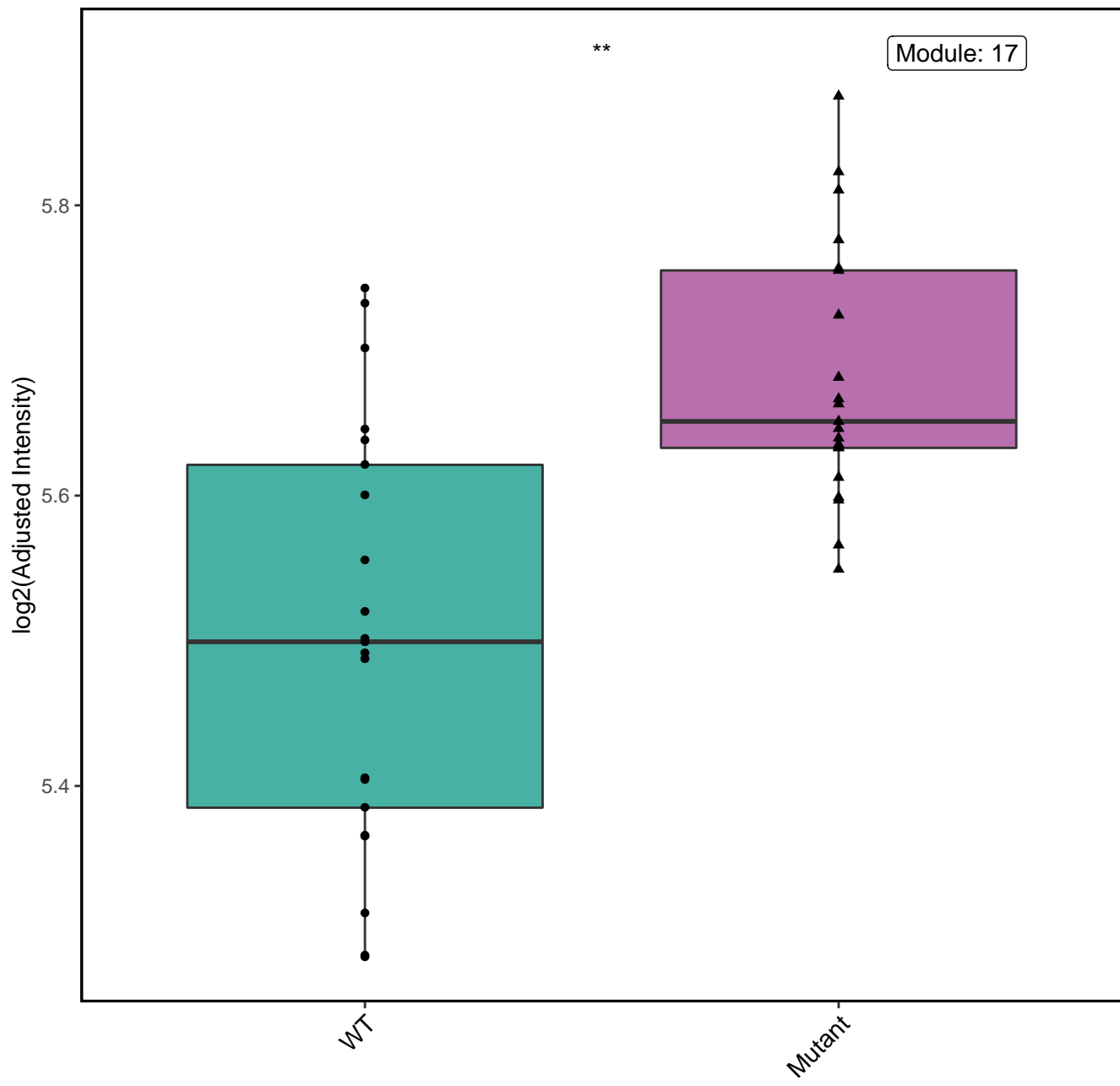
WT

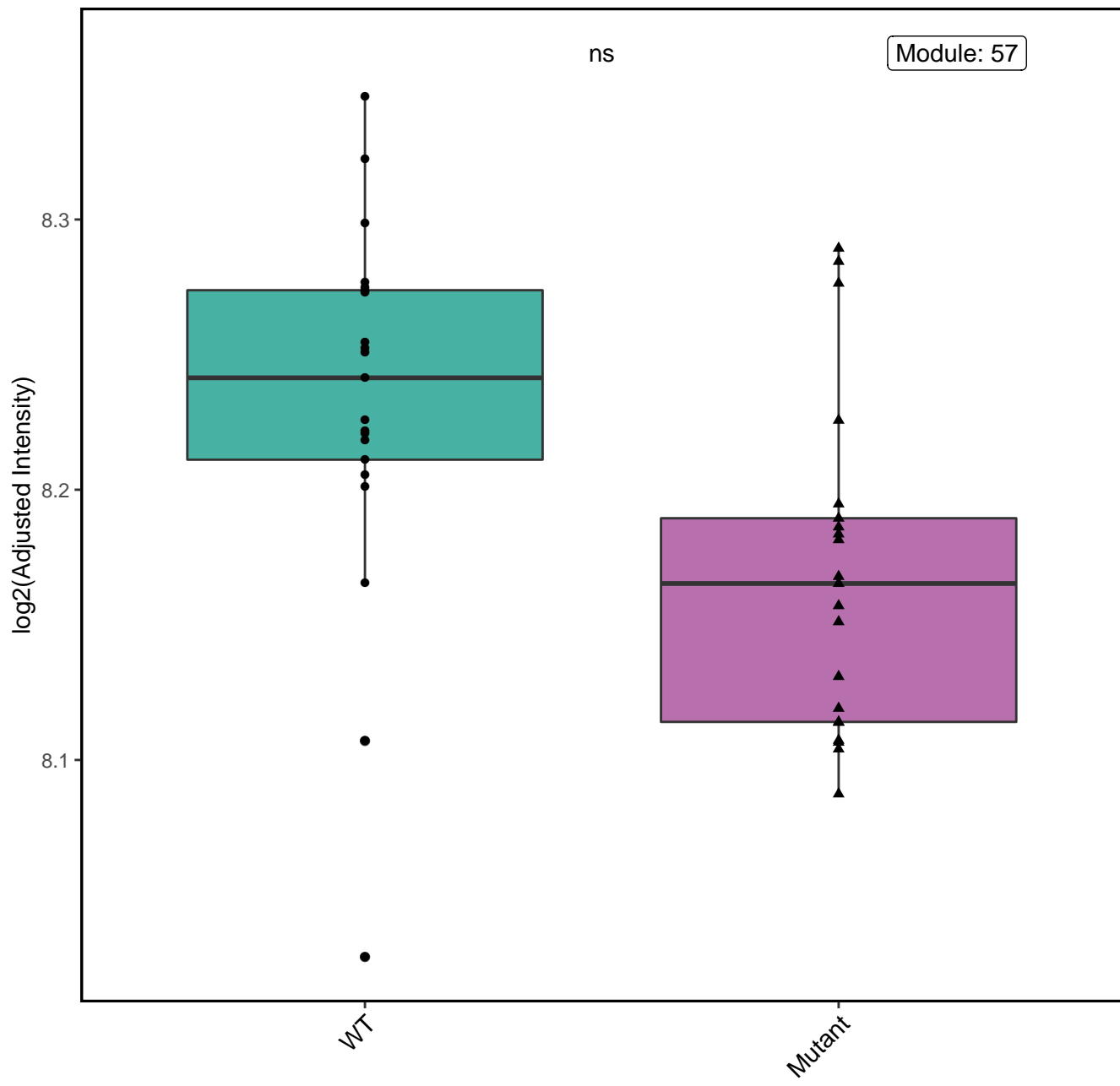
Mutant

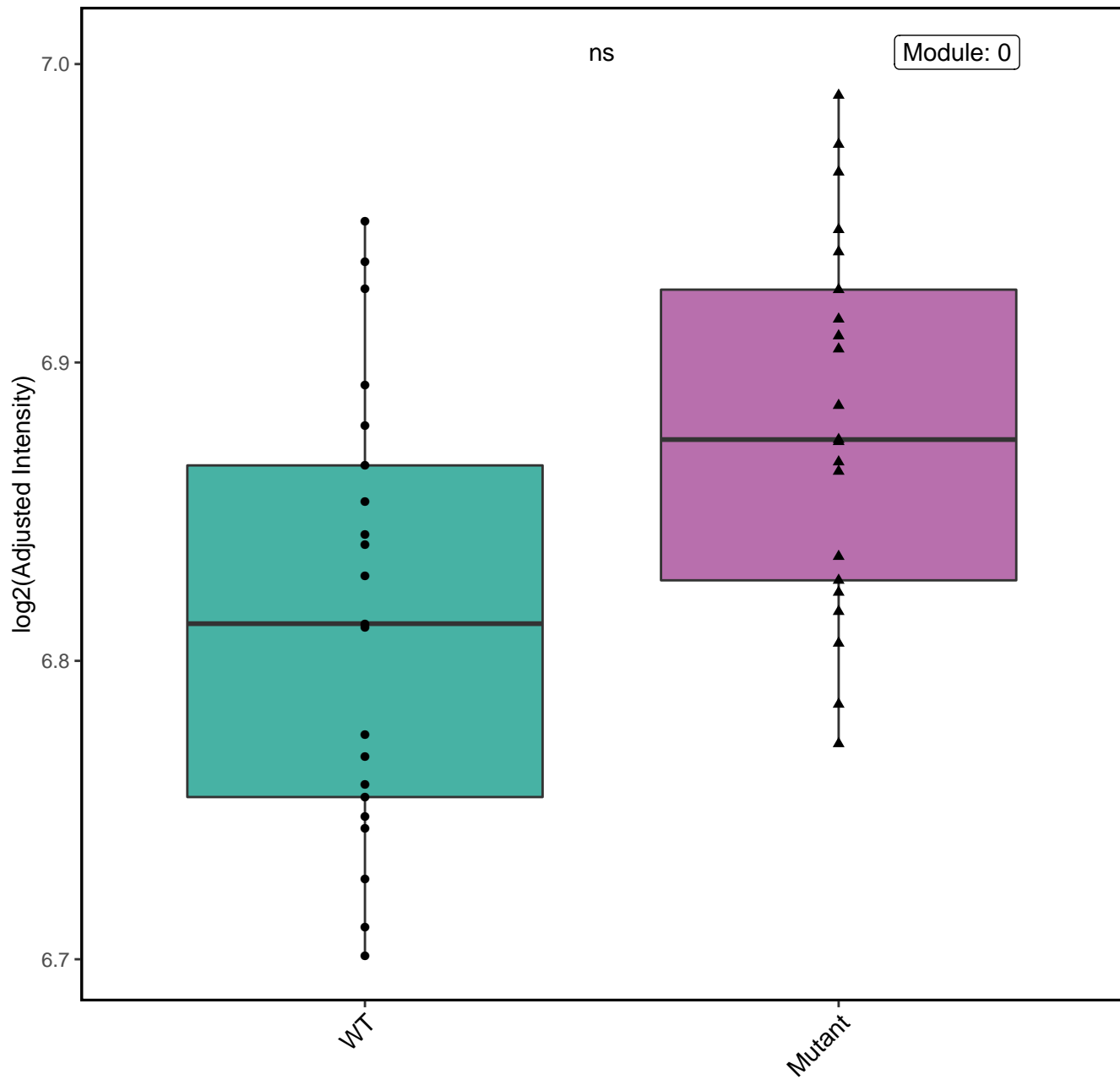
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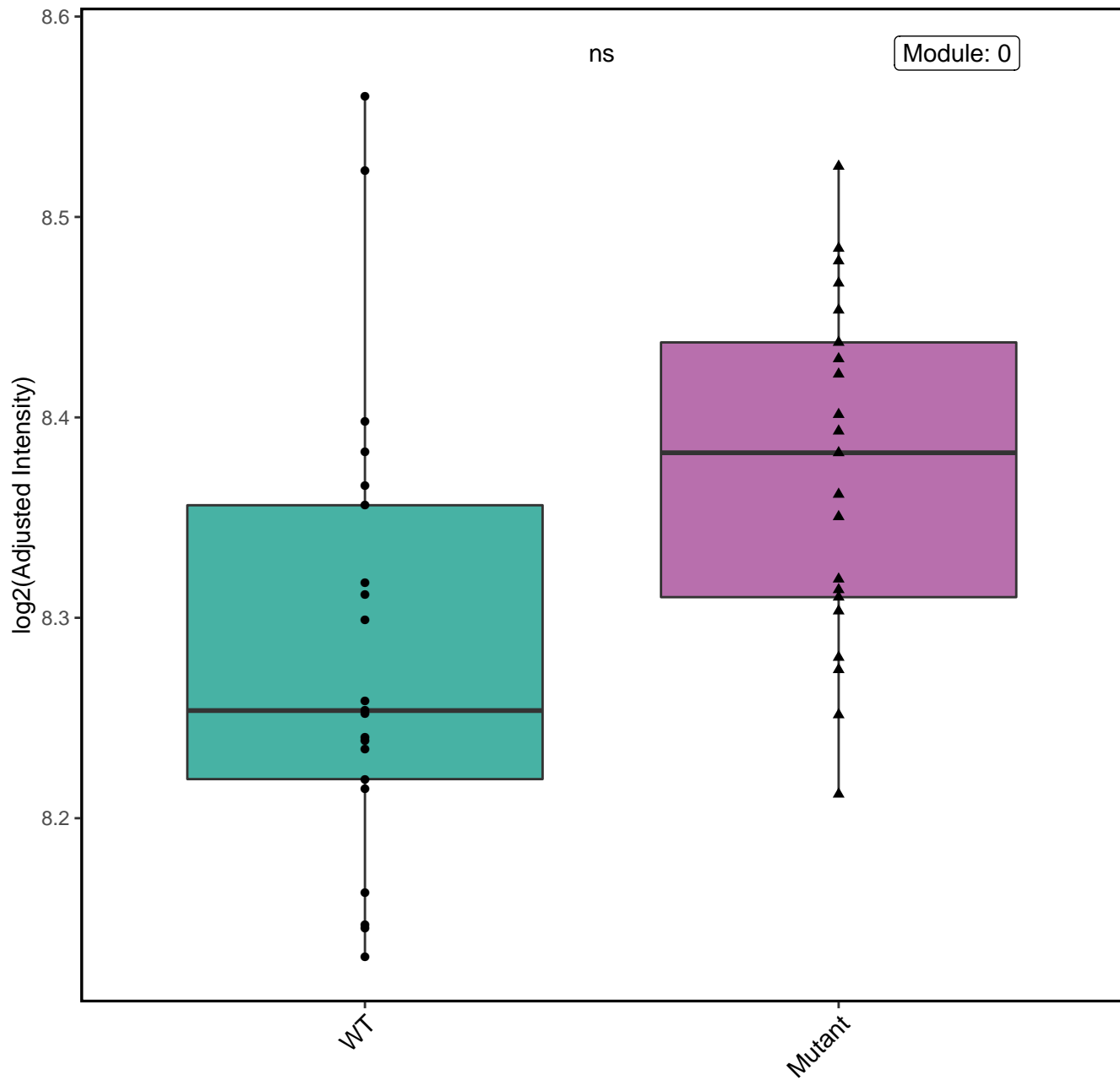




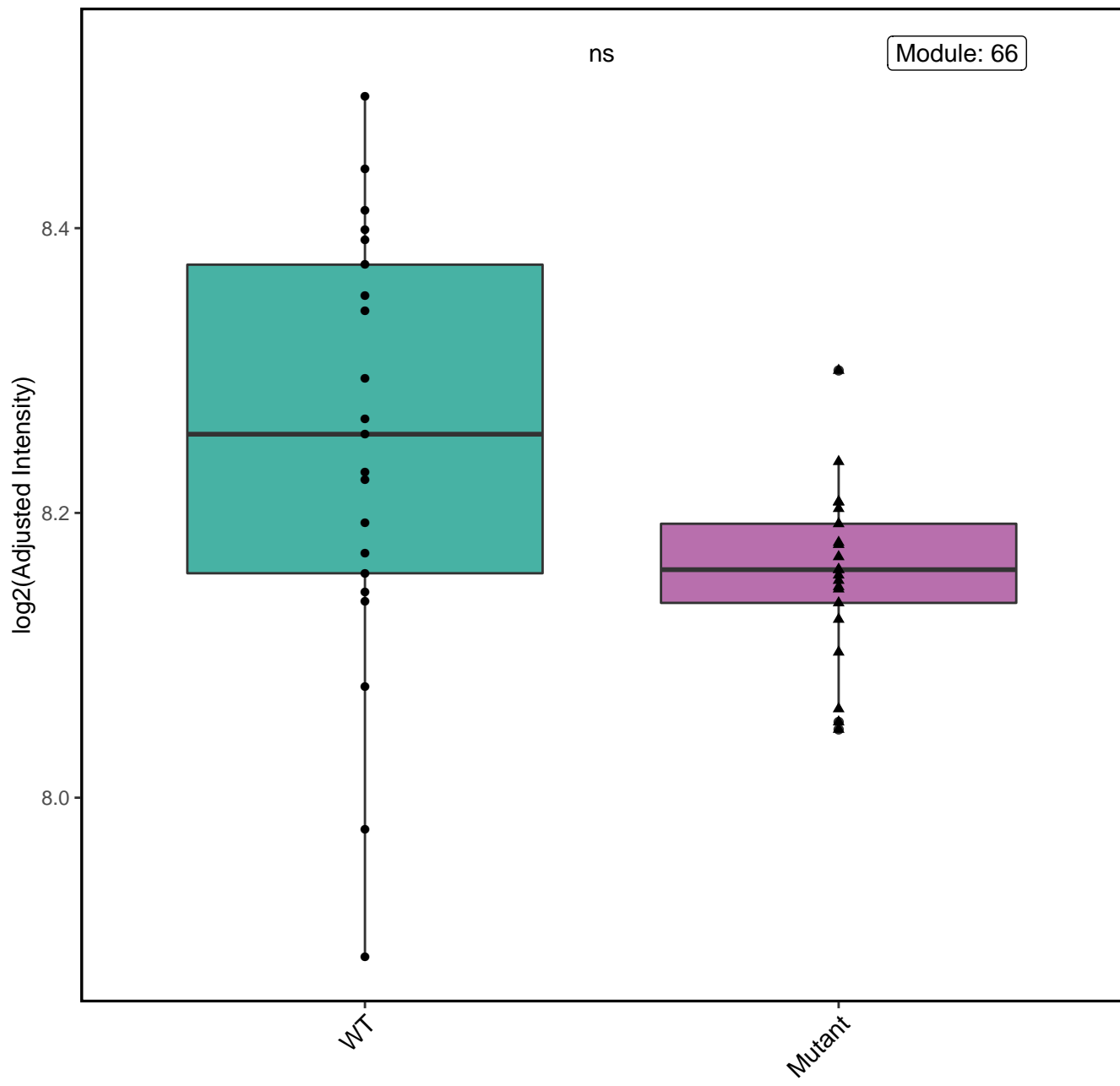


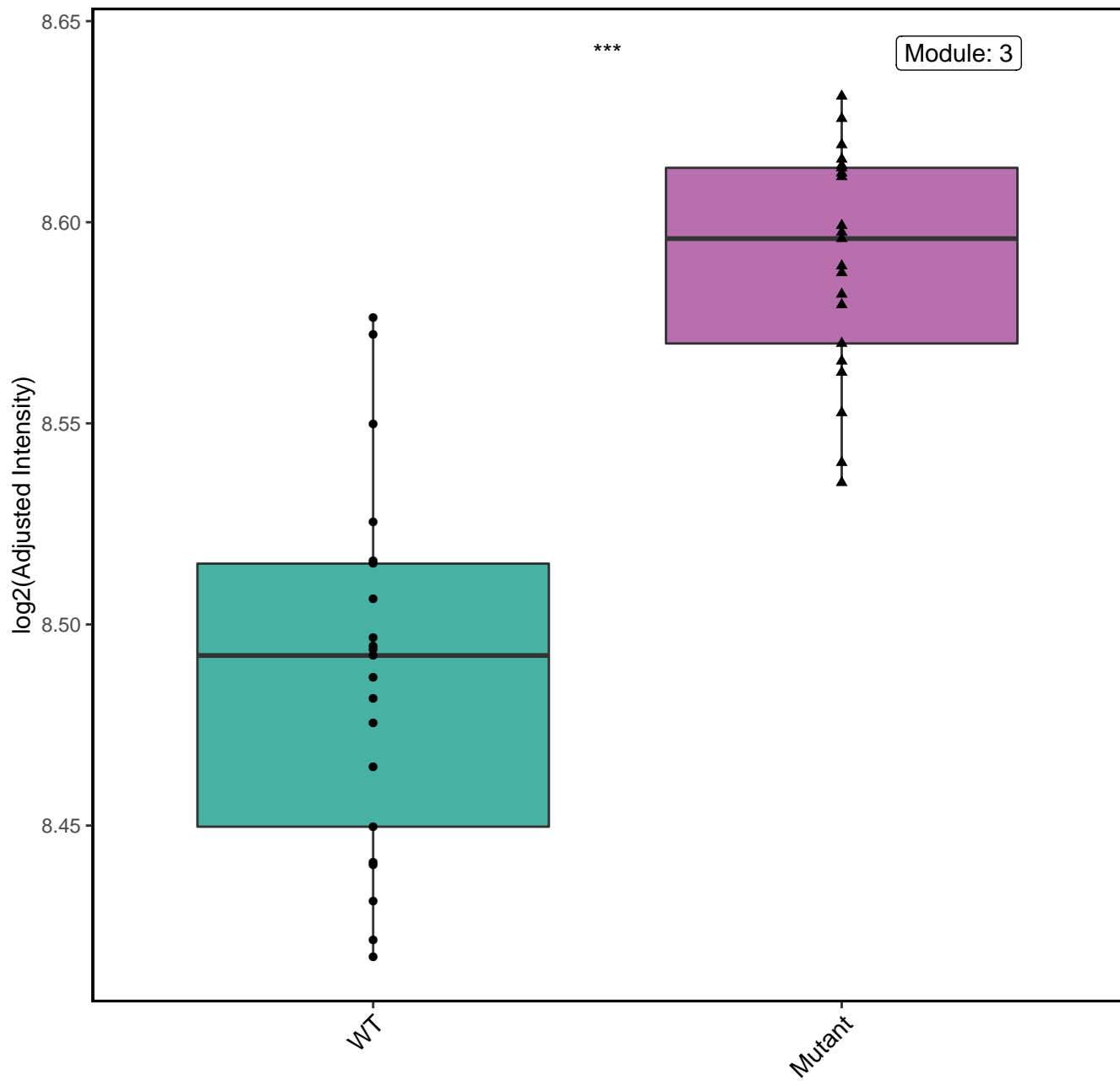


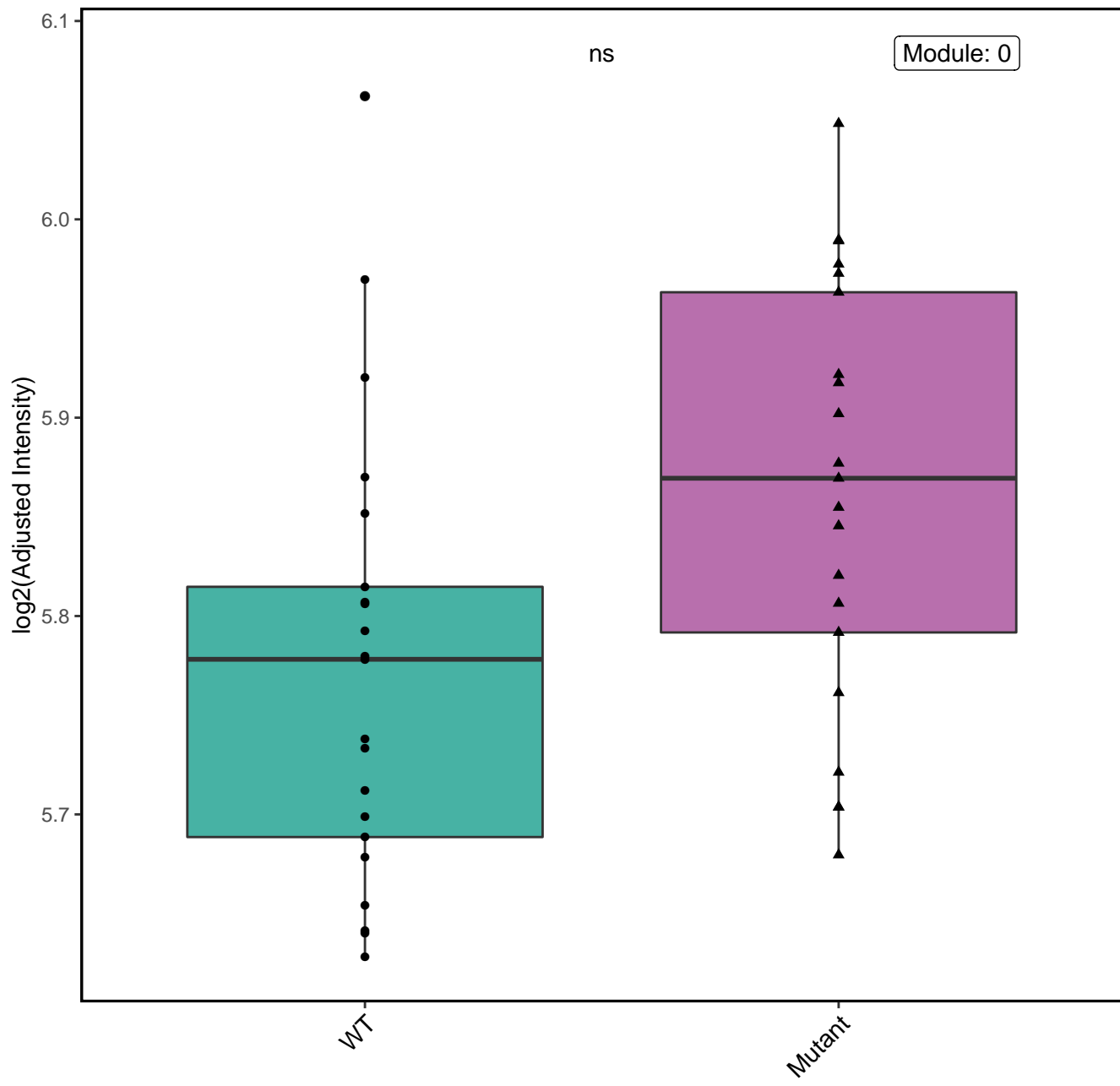


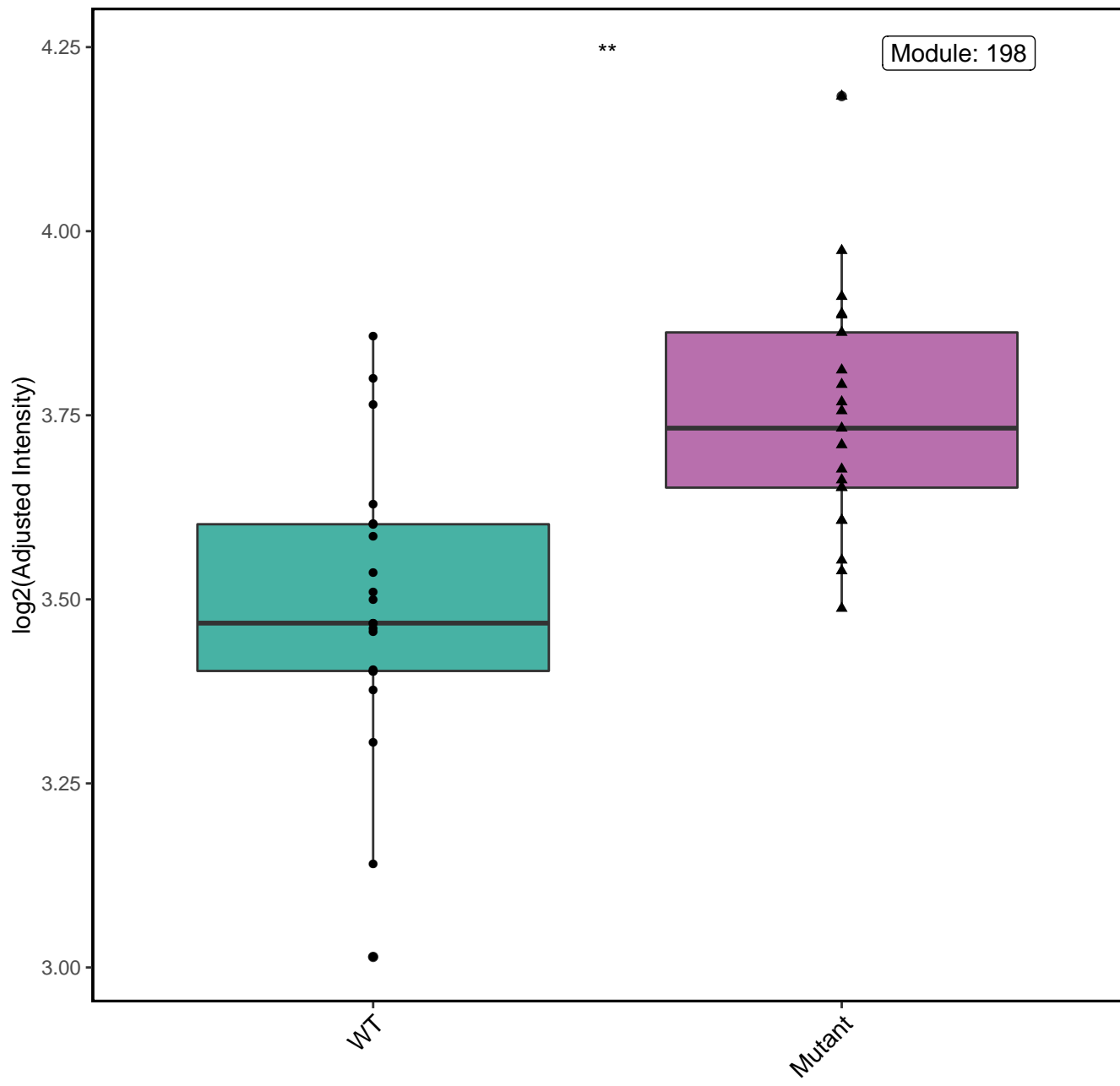


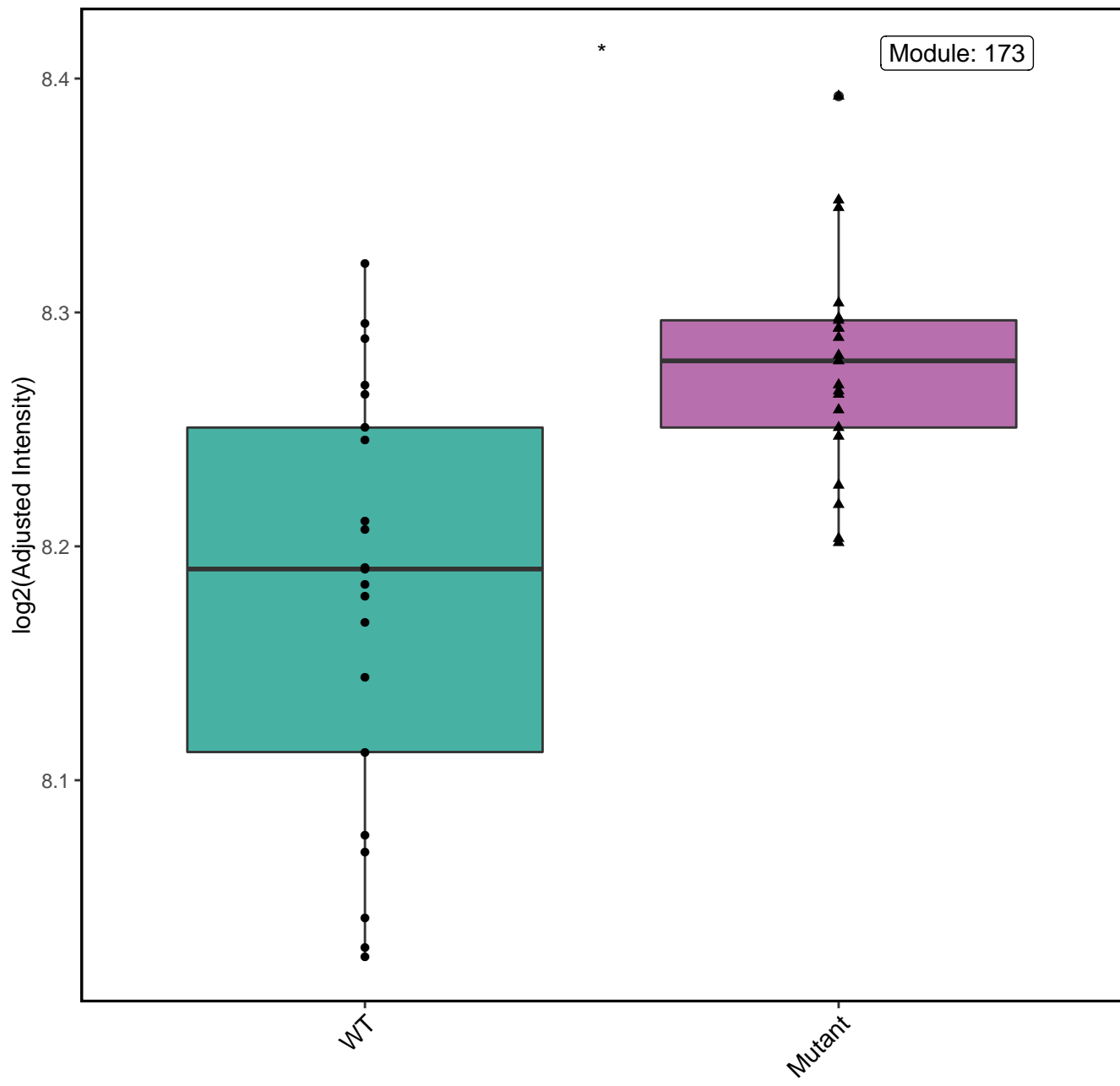












log2(Adjusted Intensity)

5.2

5.0

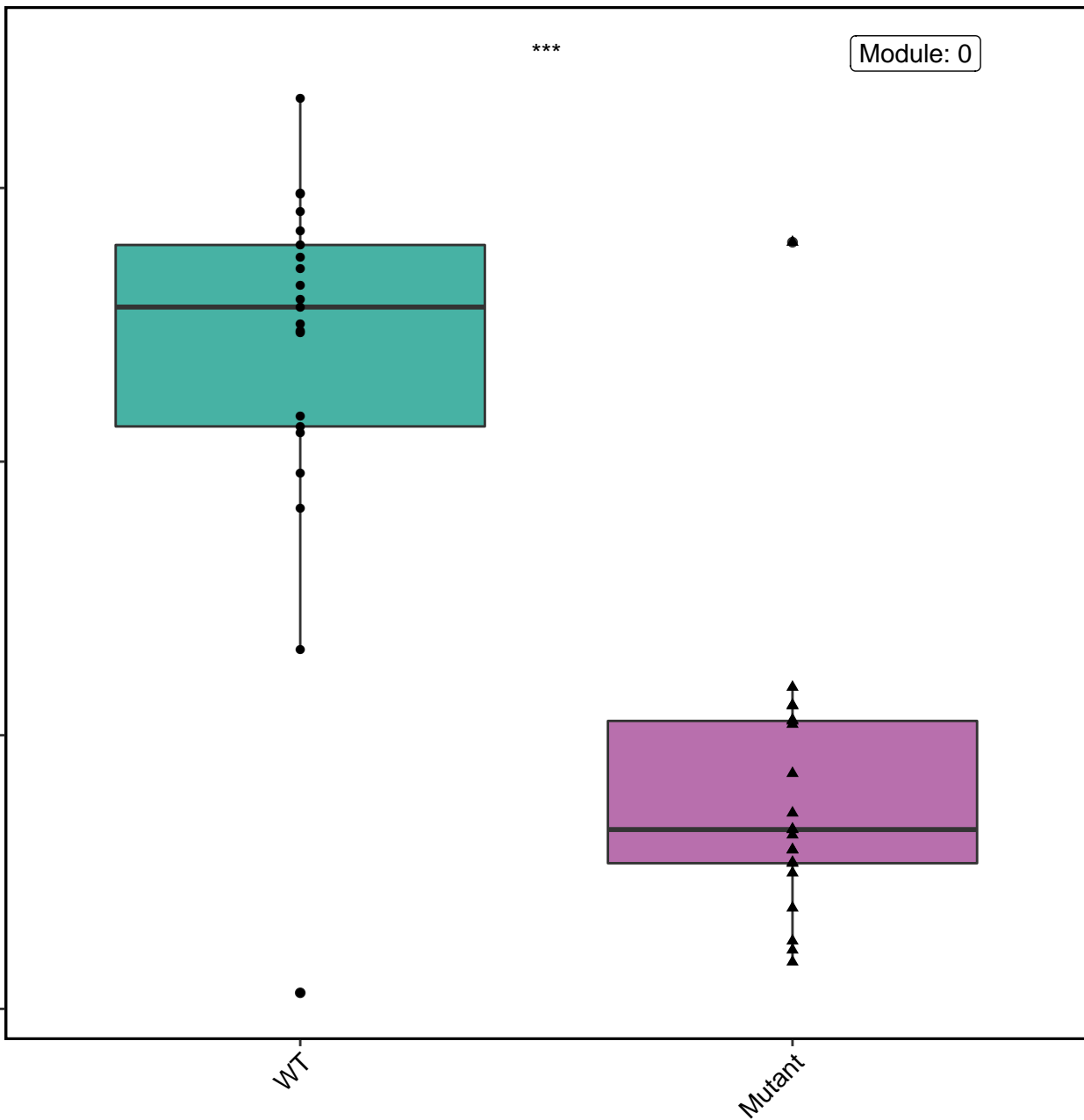
4.8

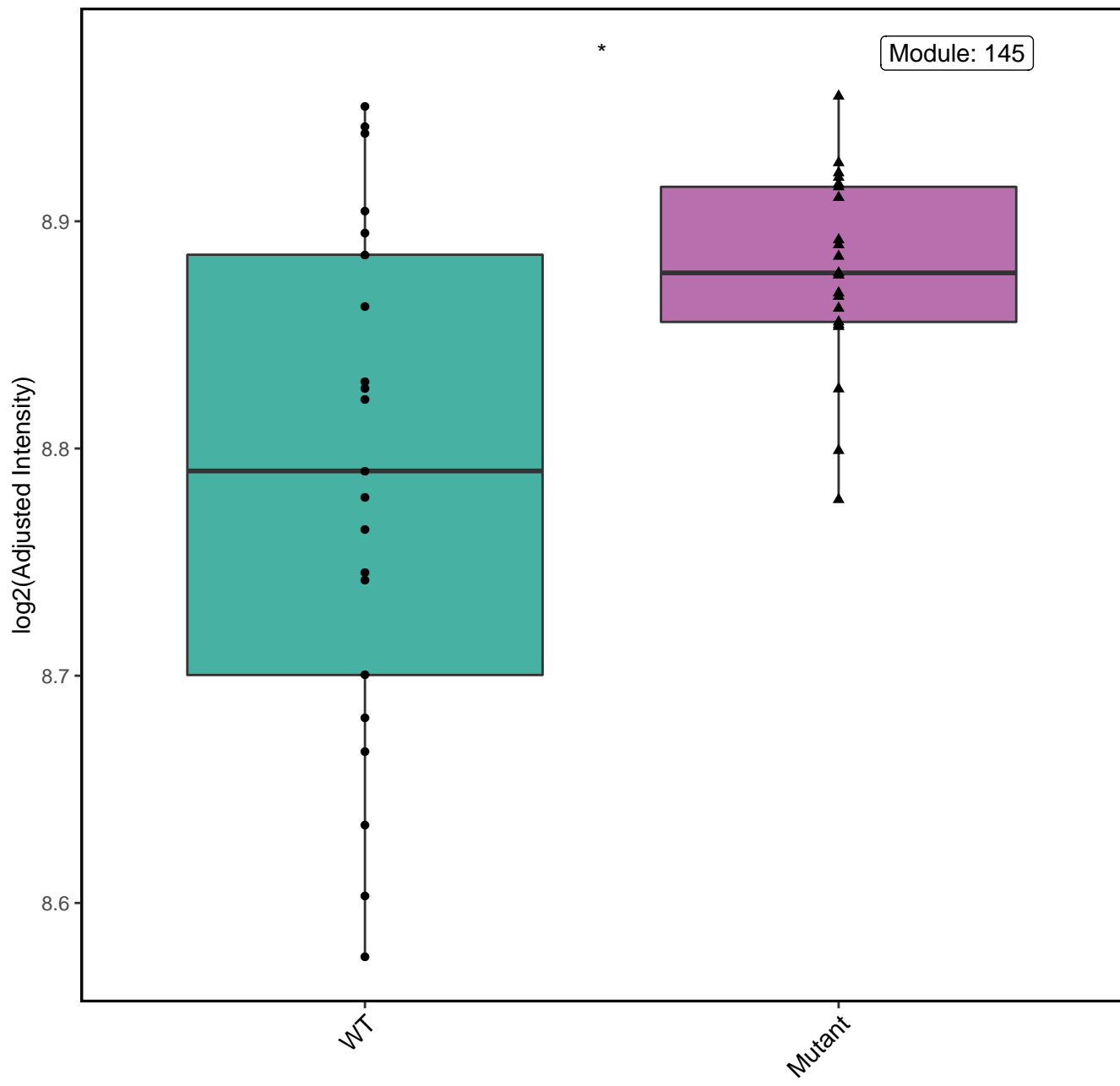
4.6

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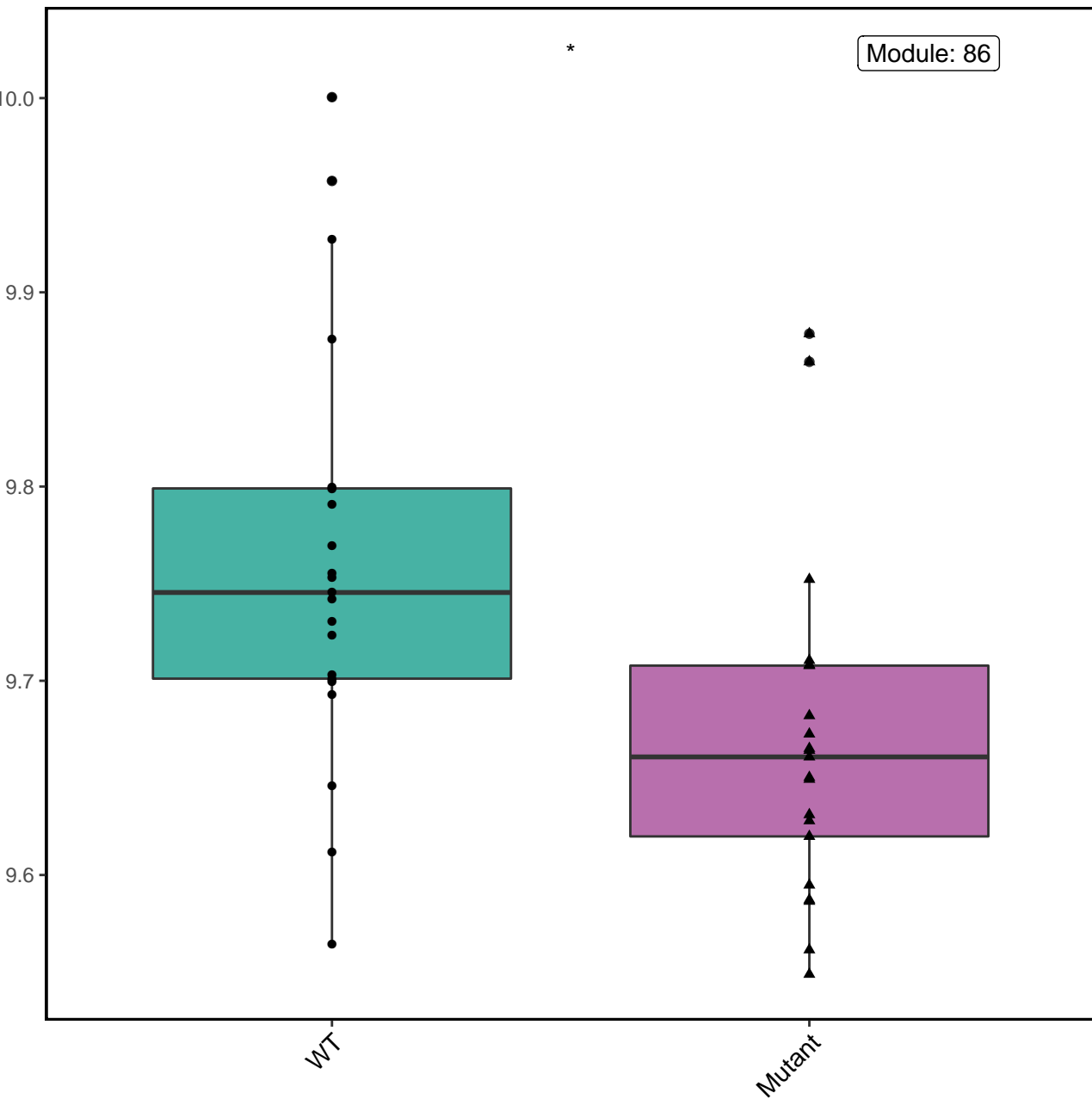




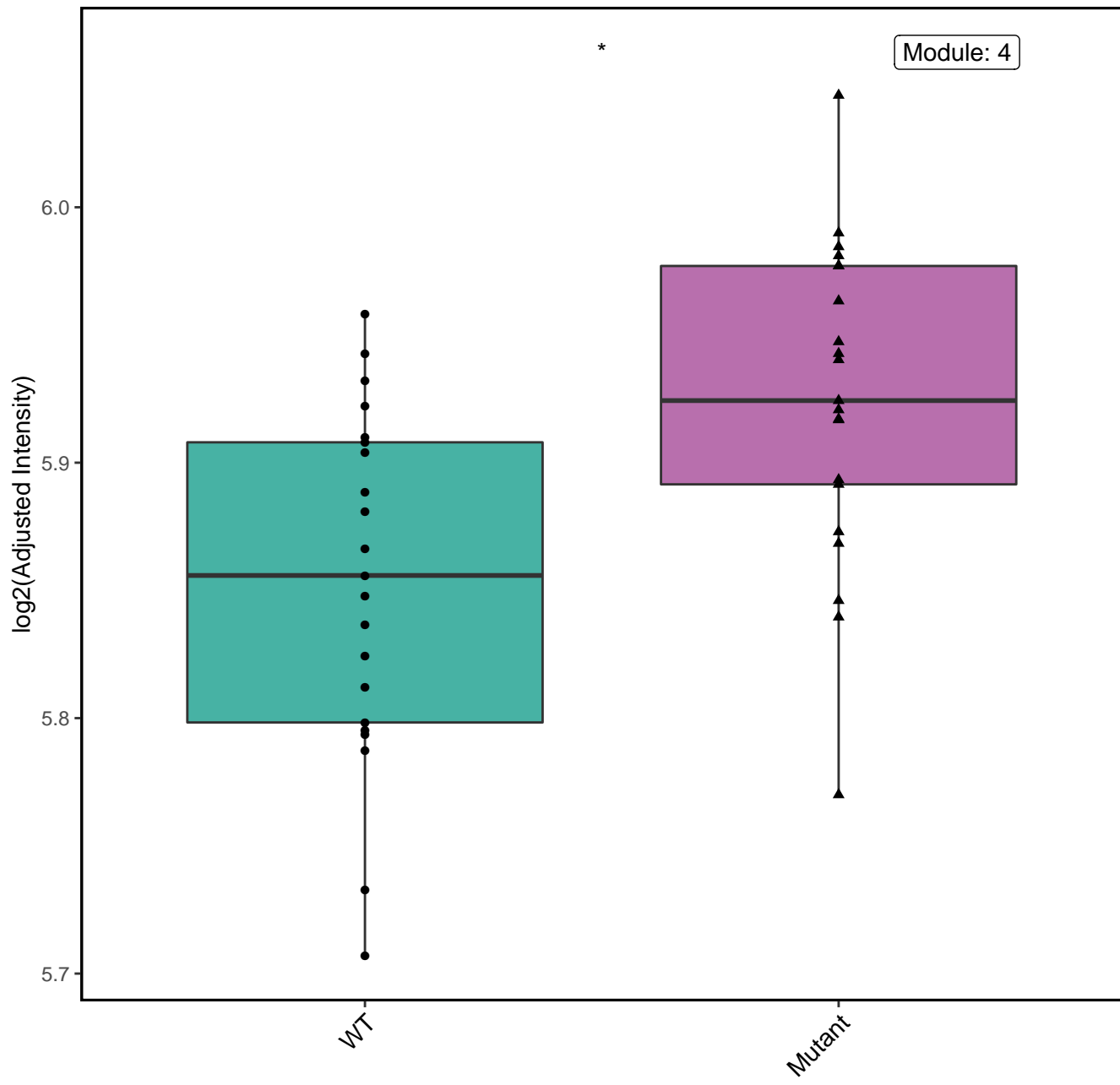
log2(Adjusted Intensity)

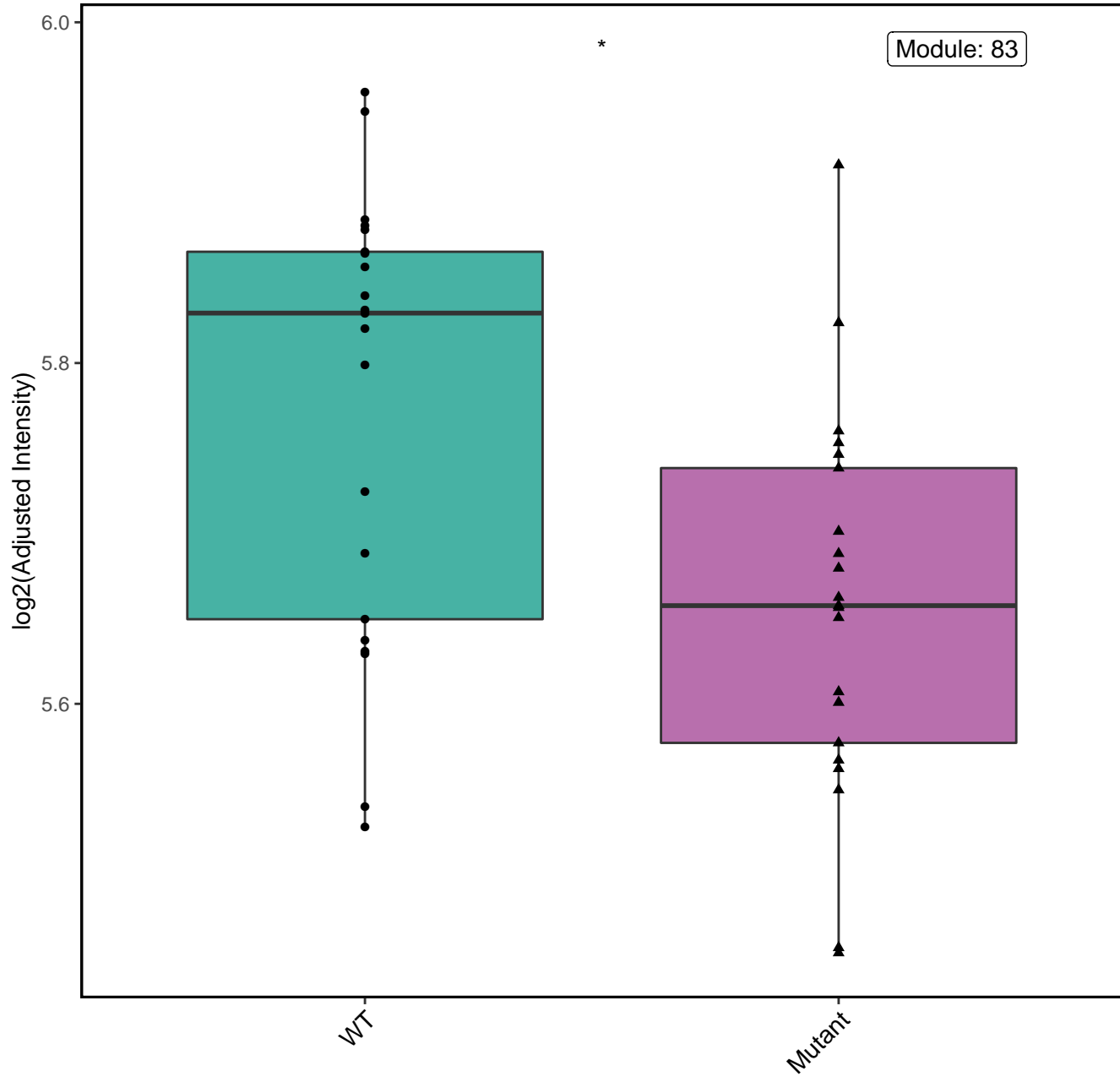
WT

Mutant









log2(Adjusted Intensity)

8.1

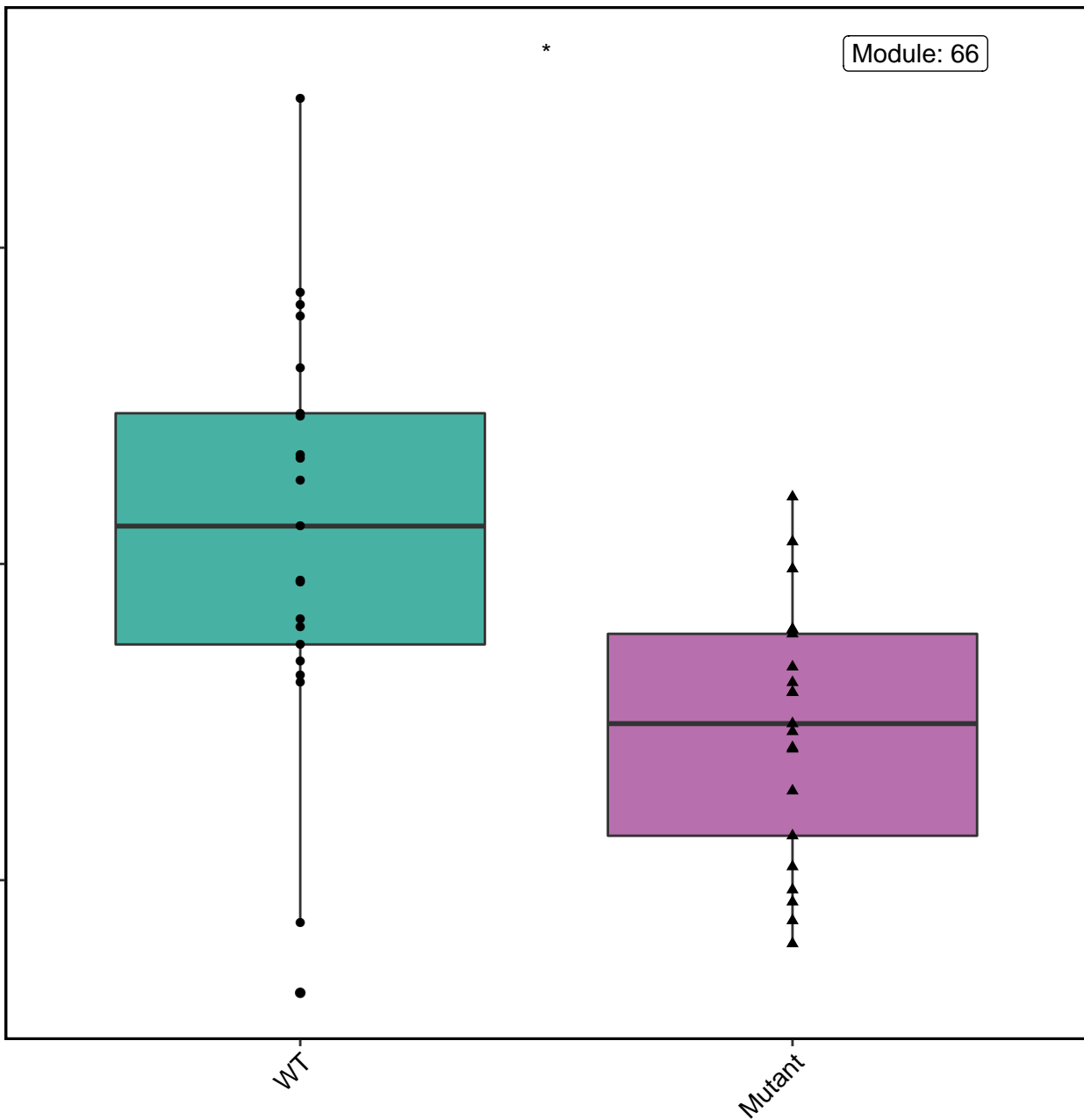
8.0

7.9

WT

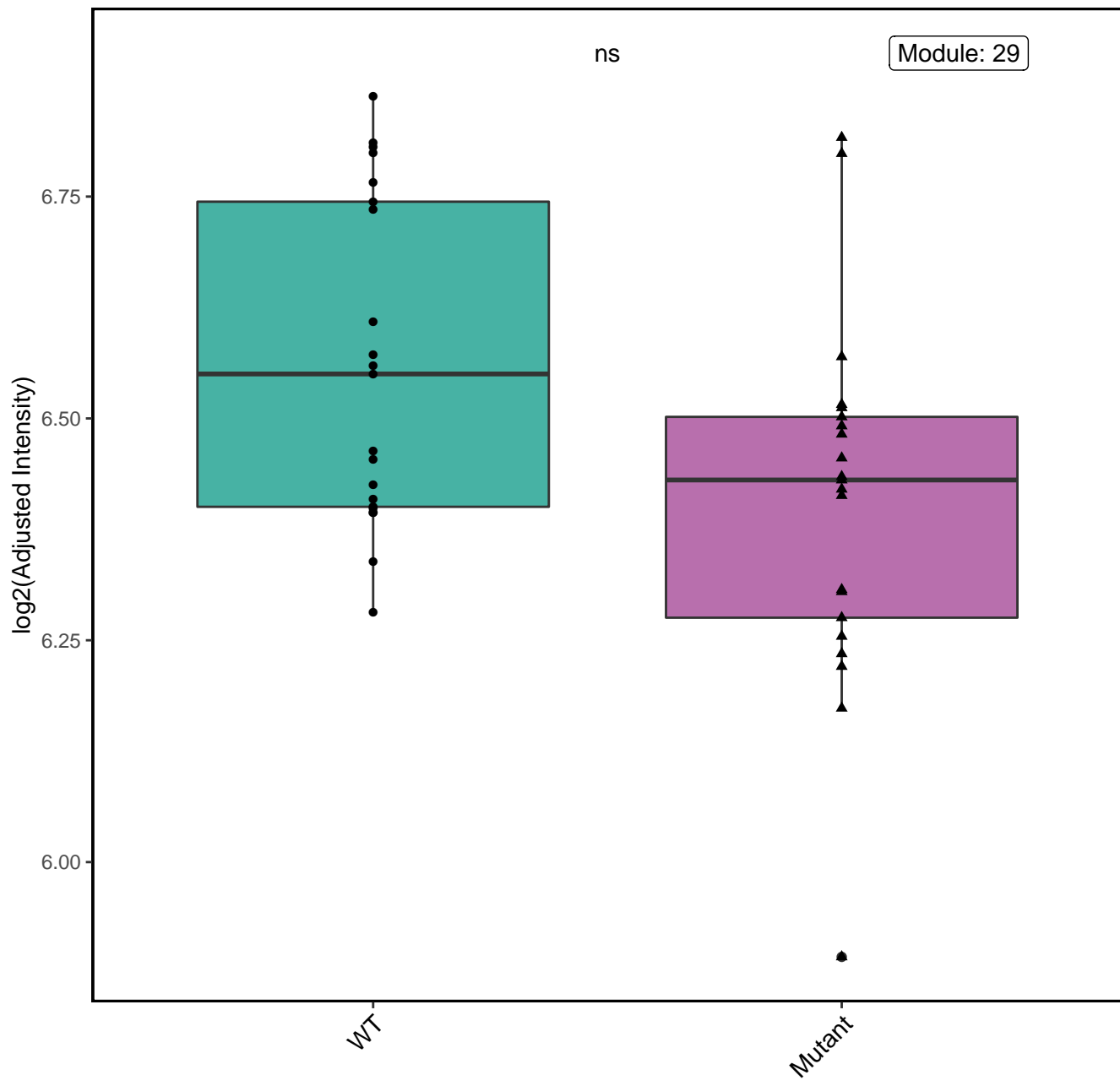
Mutant

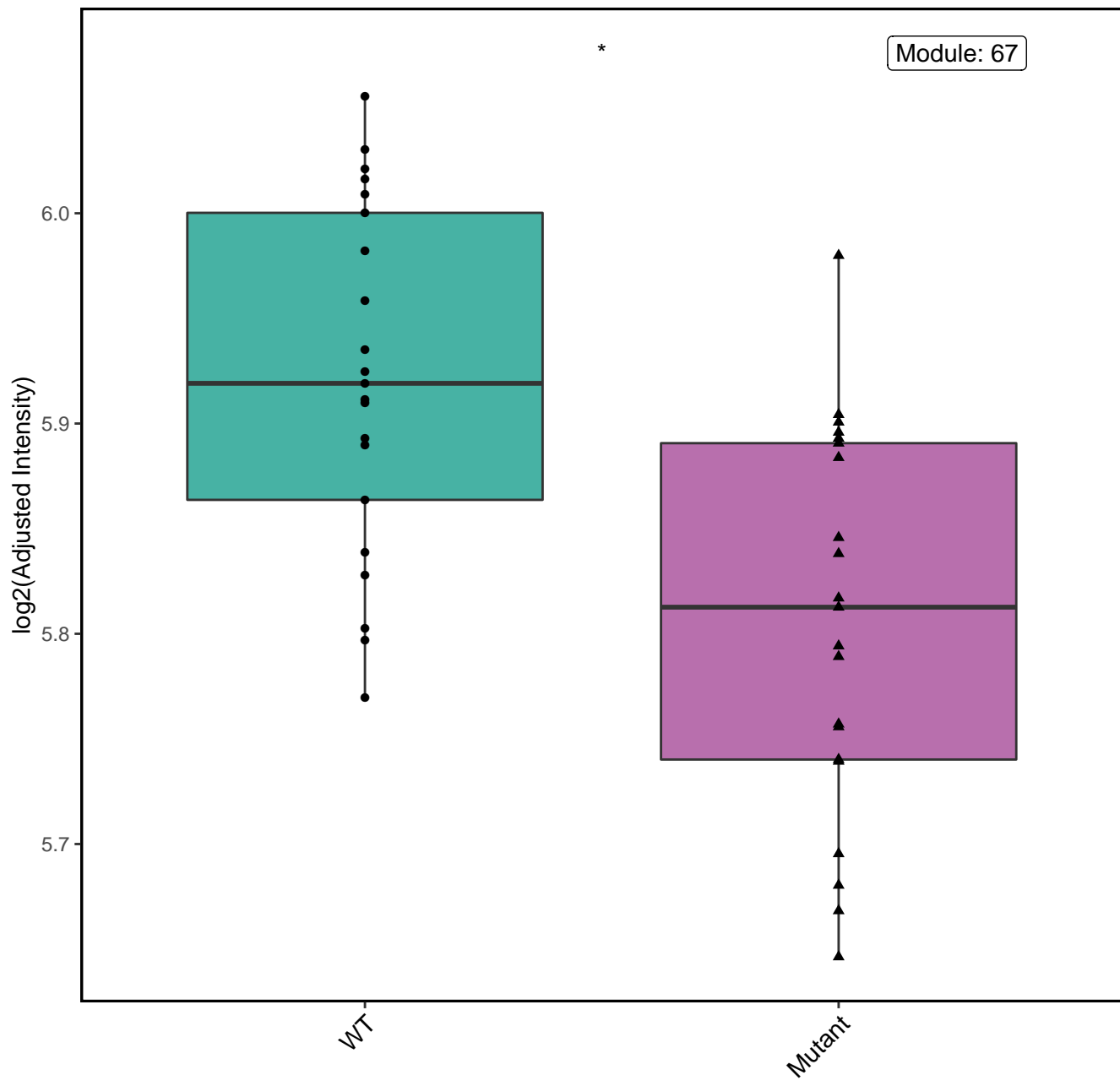
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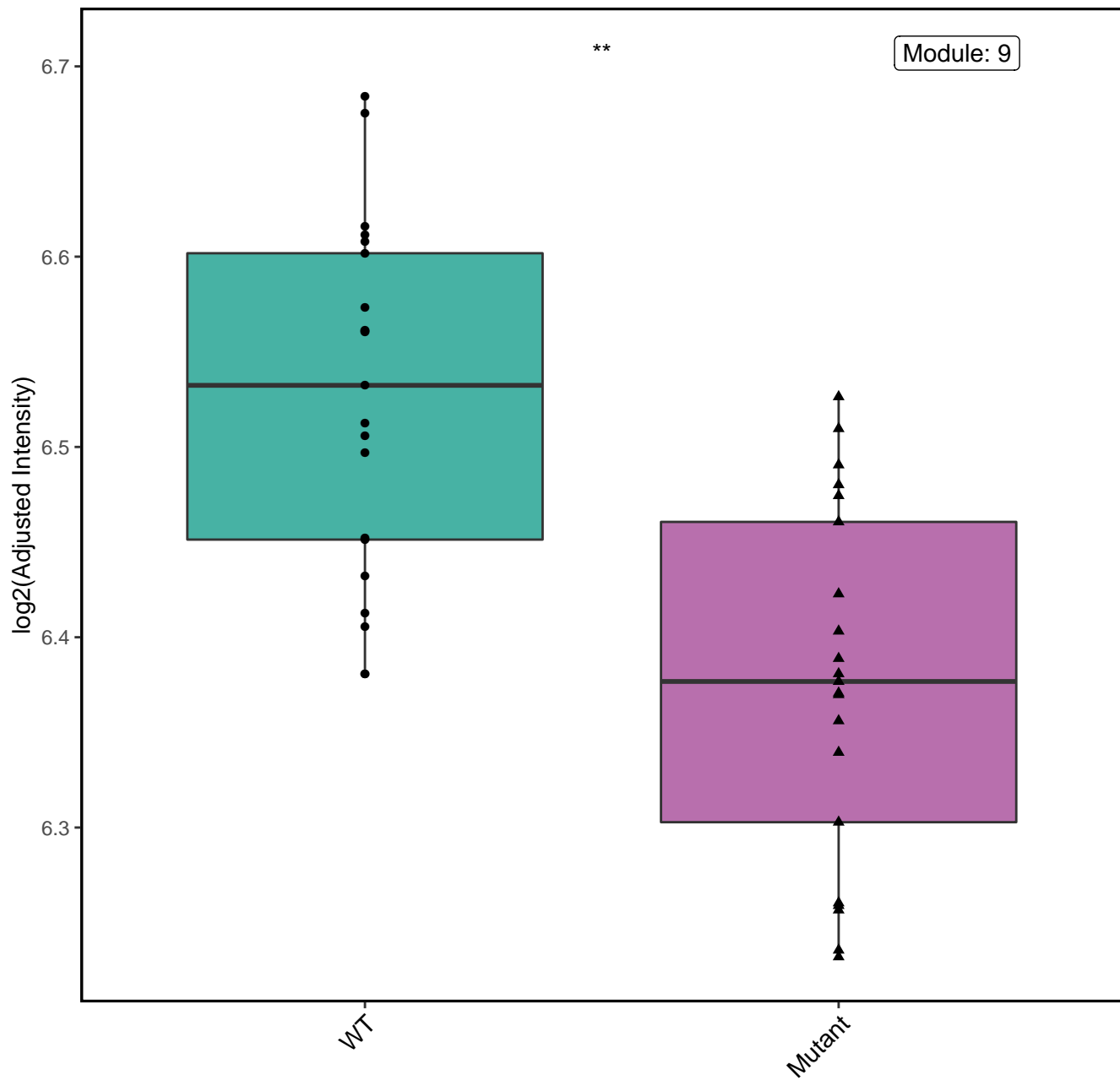


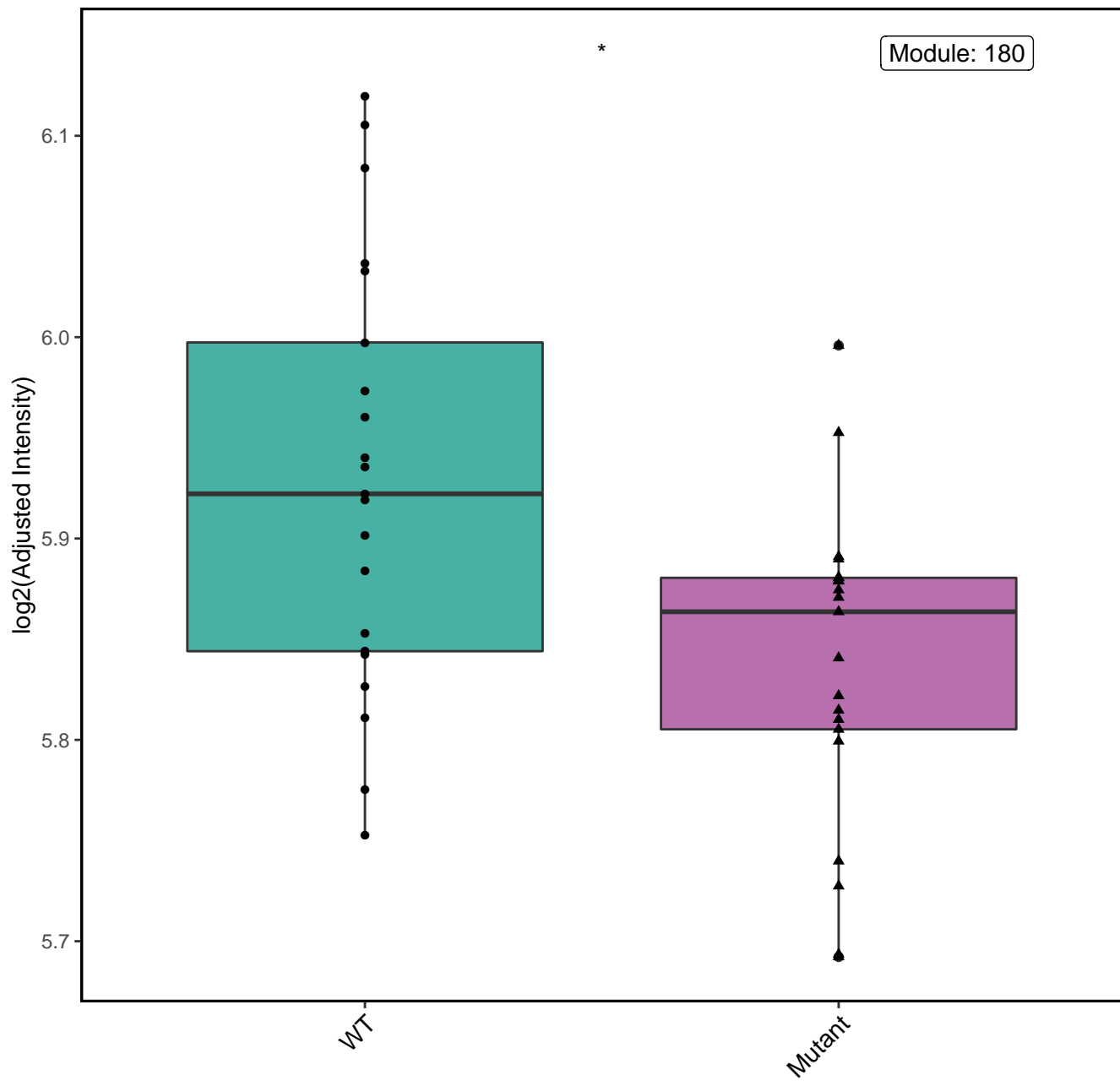
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Module: 29







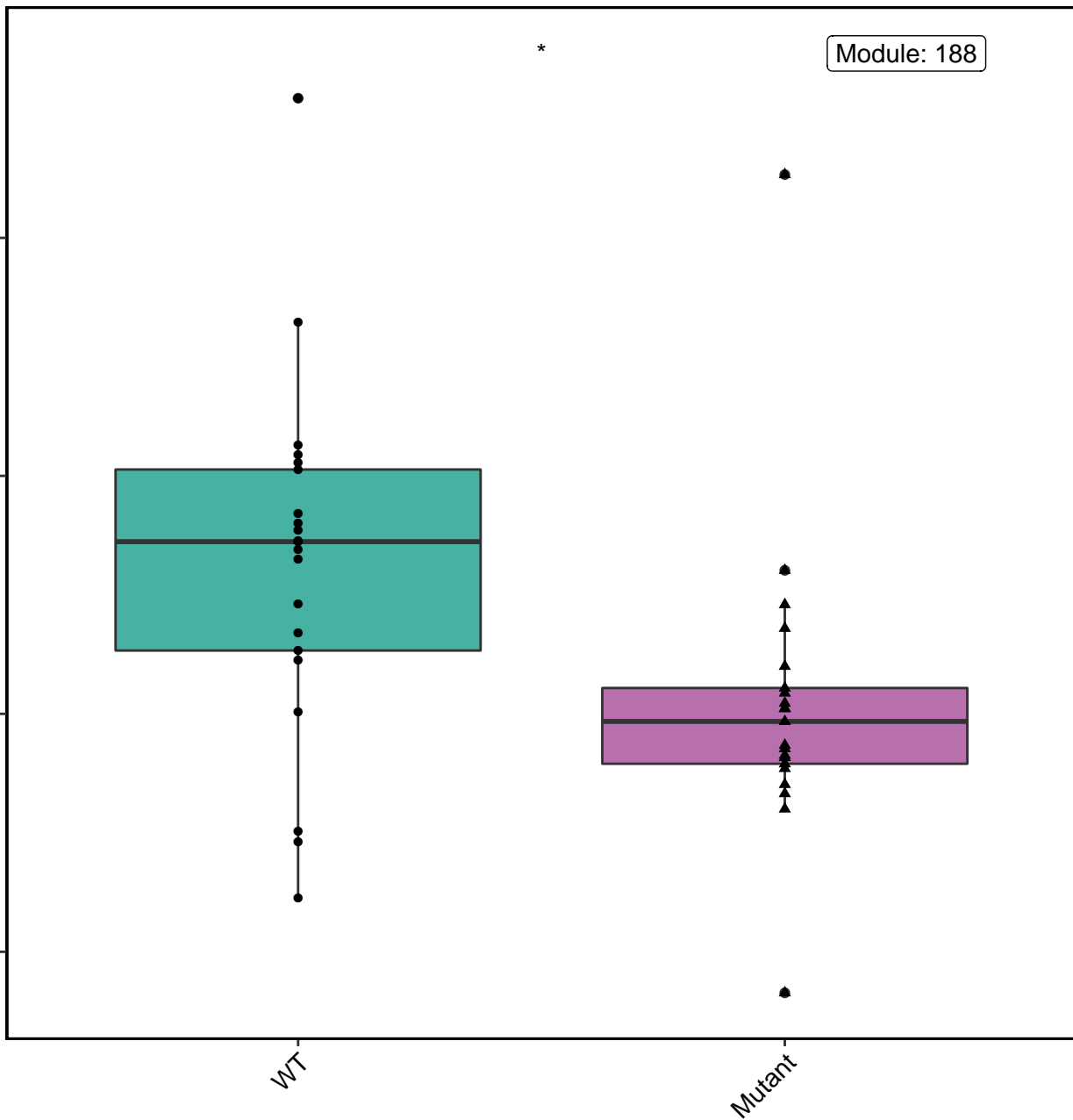


log2(Adjusted Intensity)

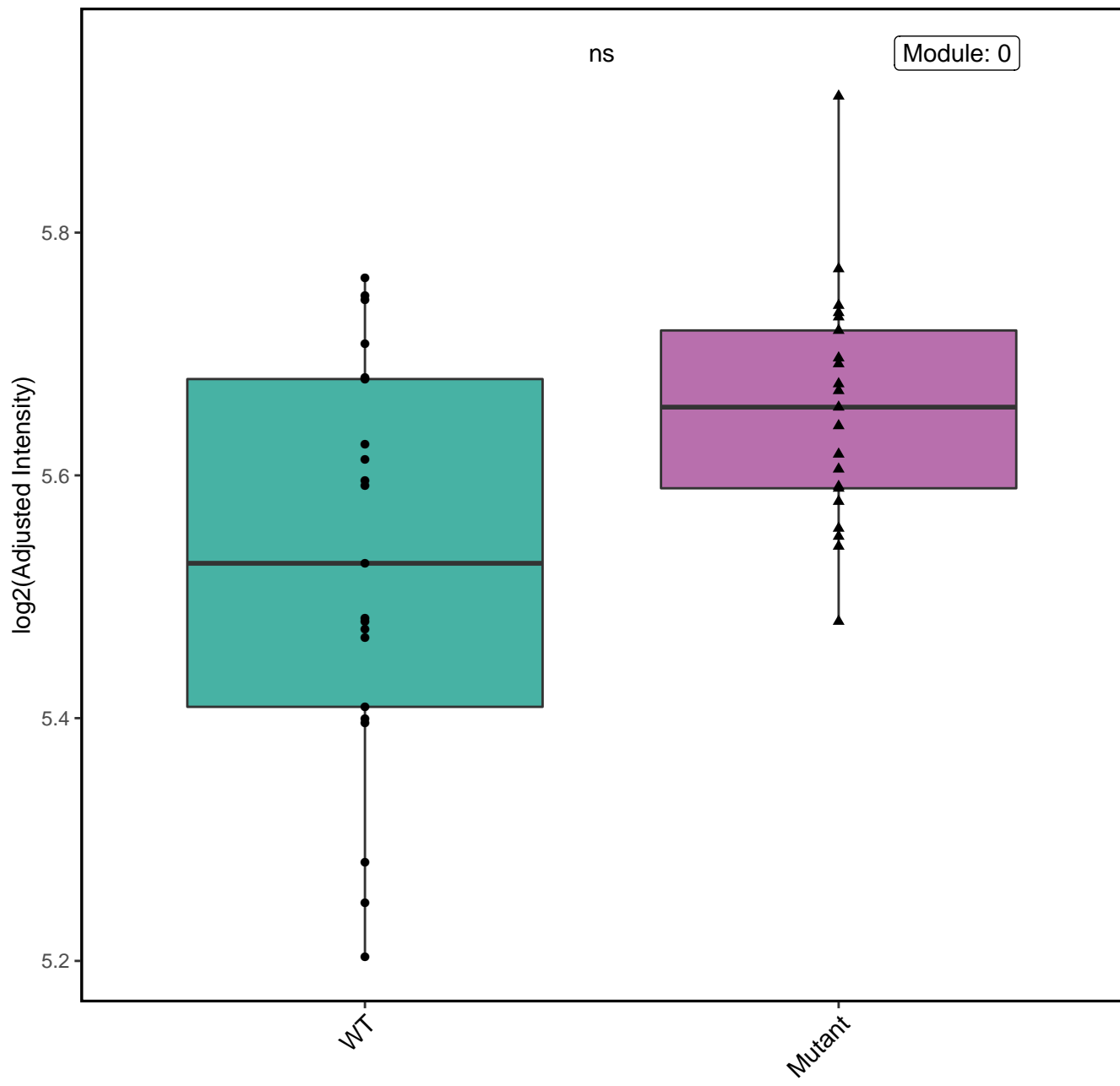
WT

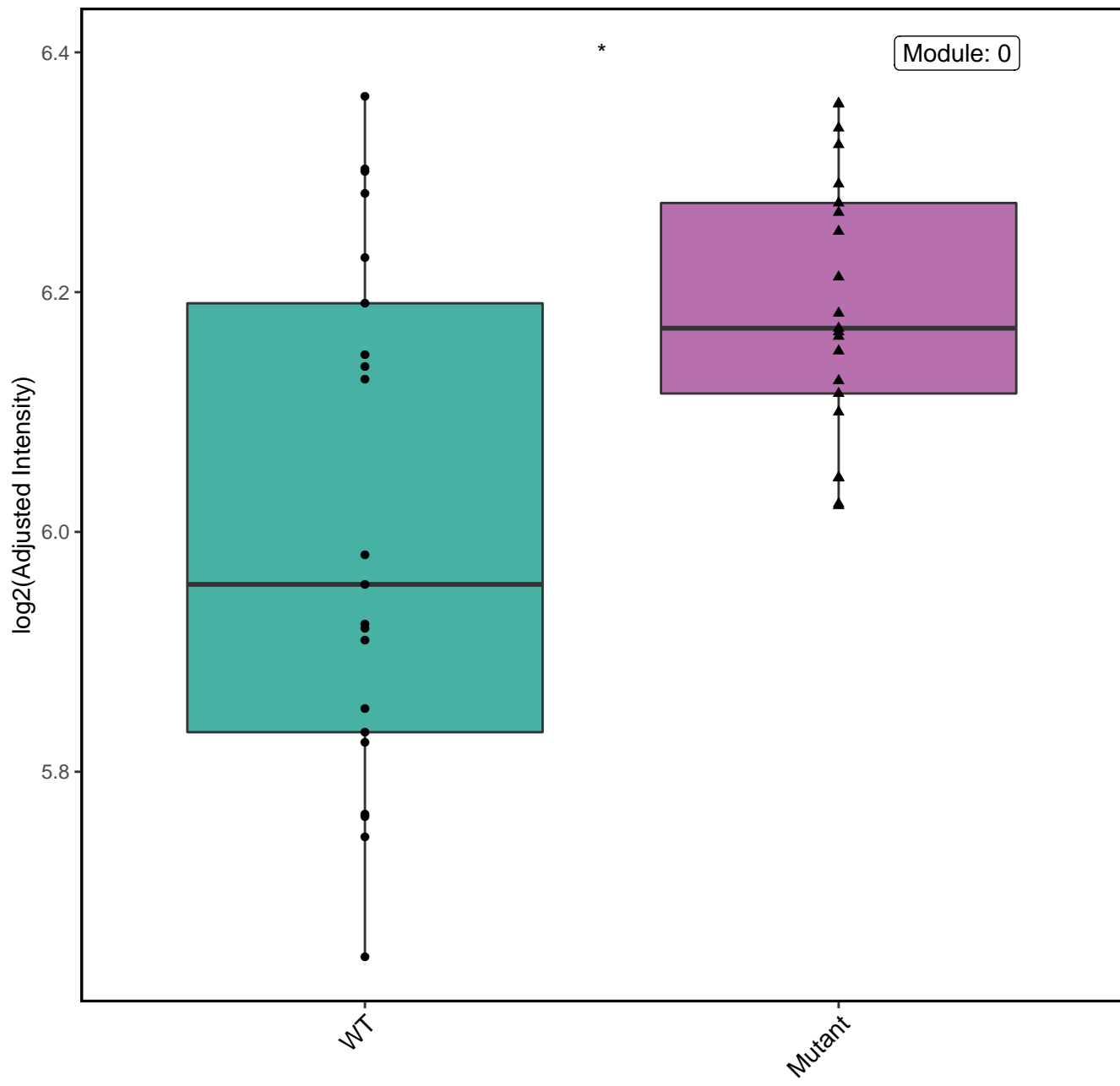
Mutant

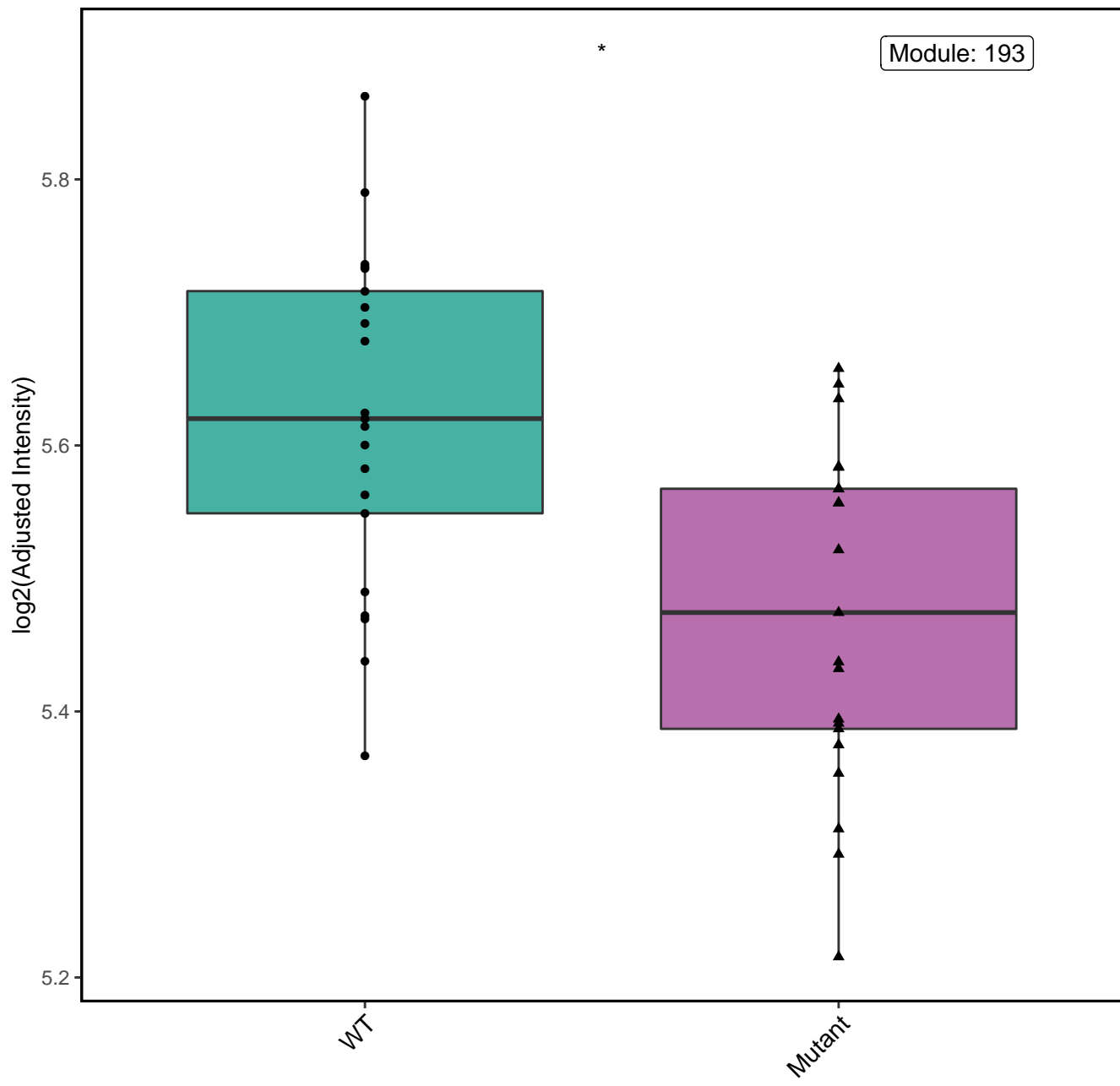
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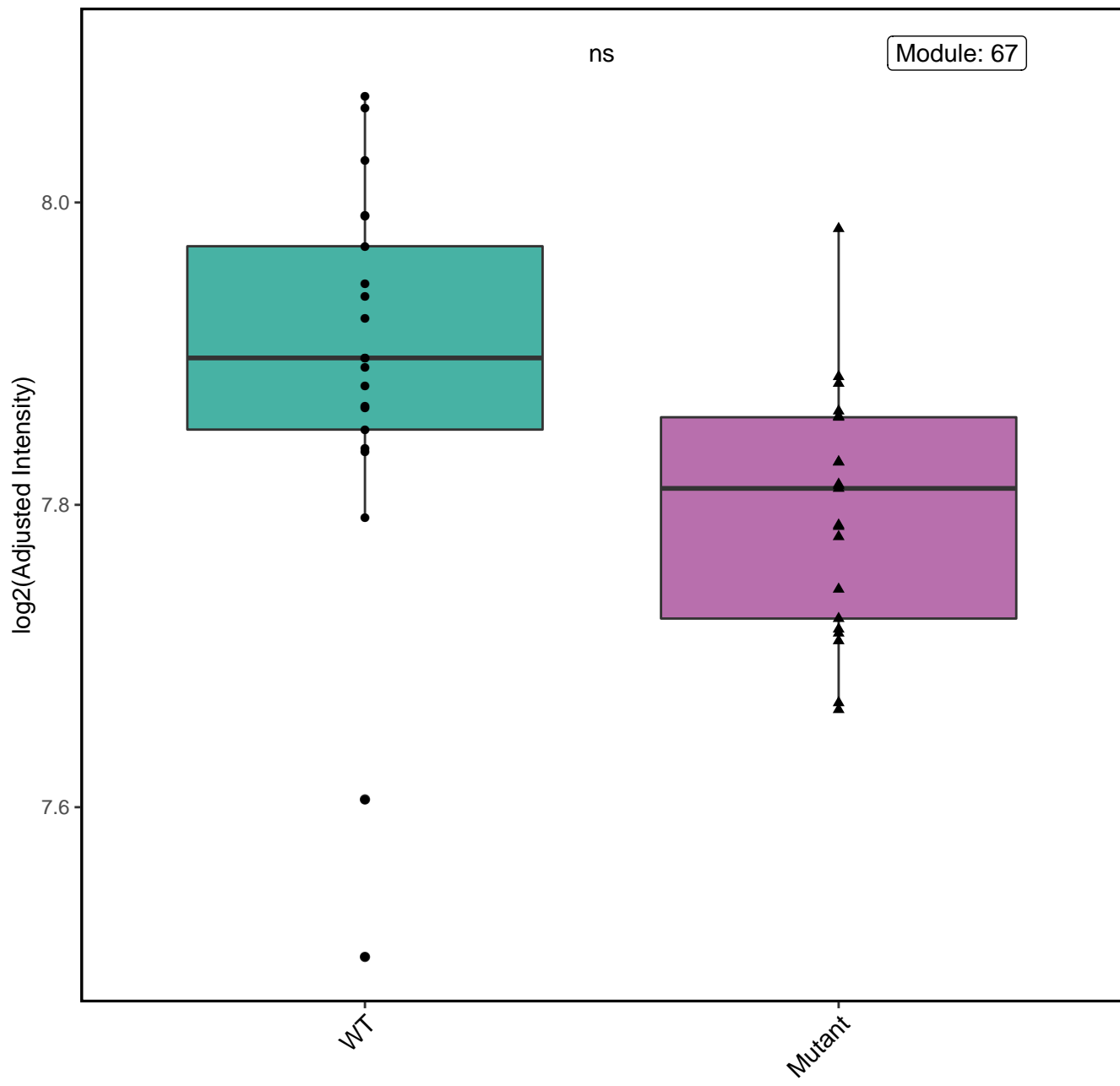
5.25  
5.50  
5.75  
6.00

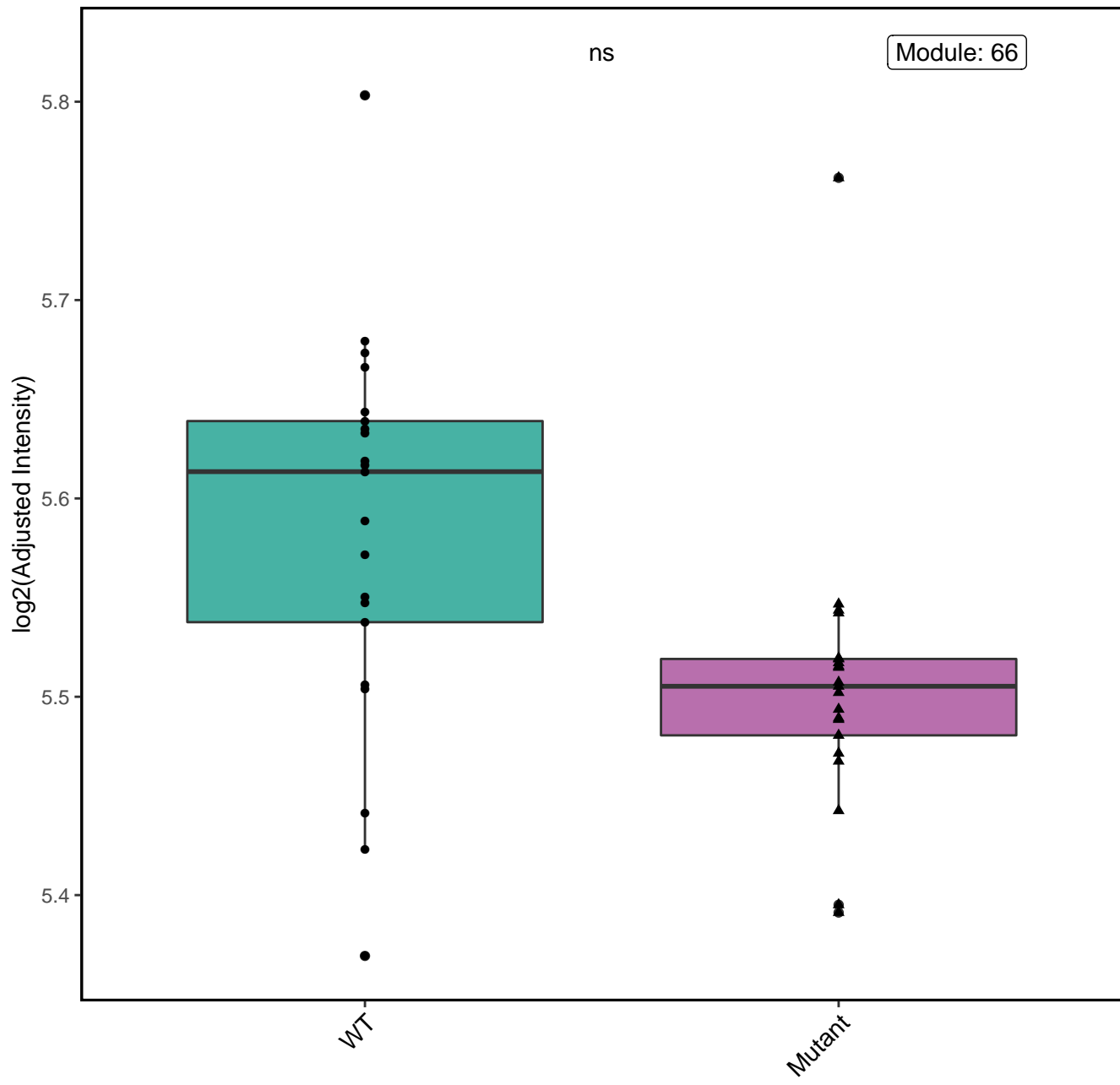


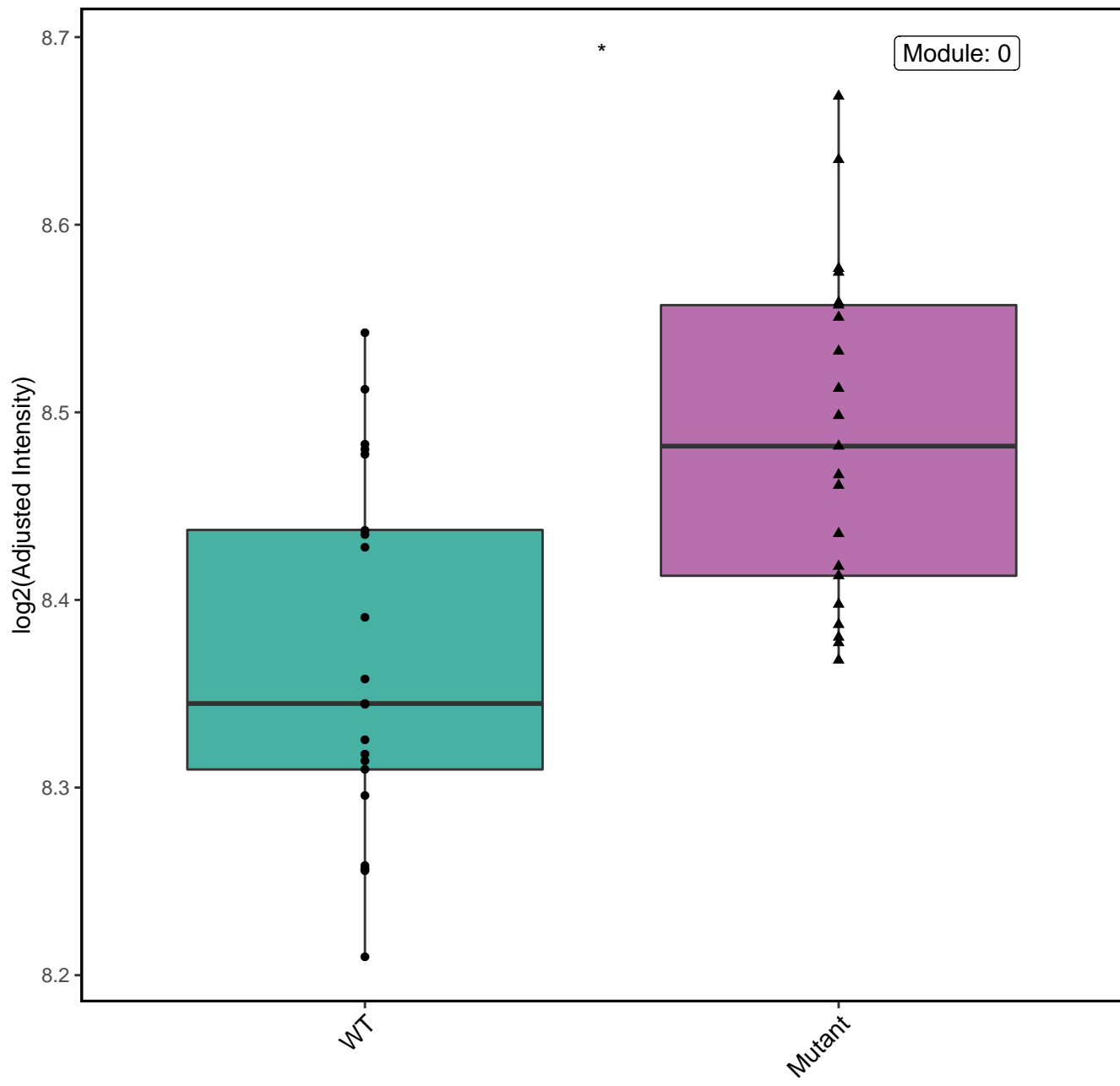










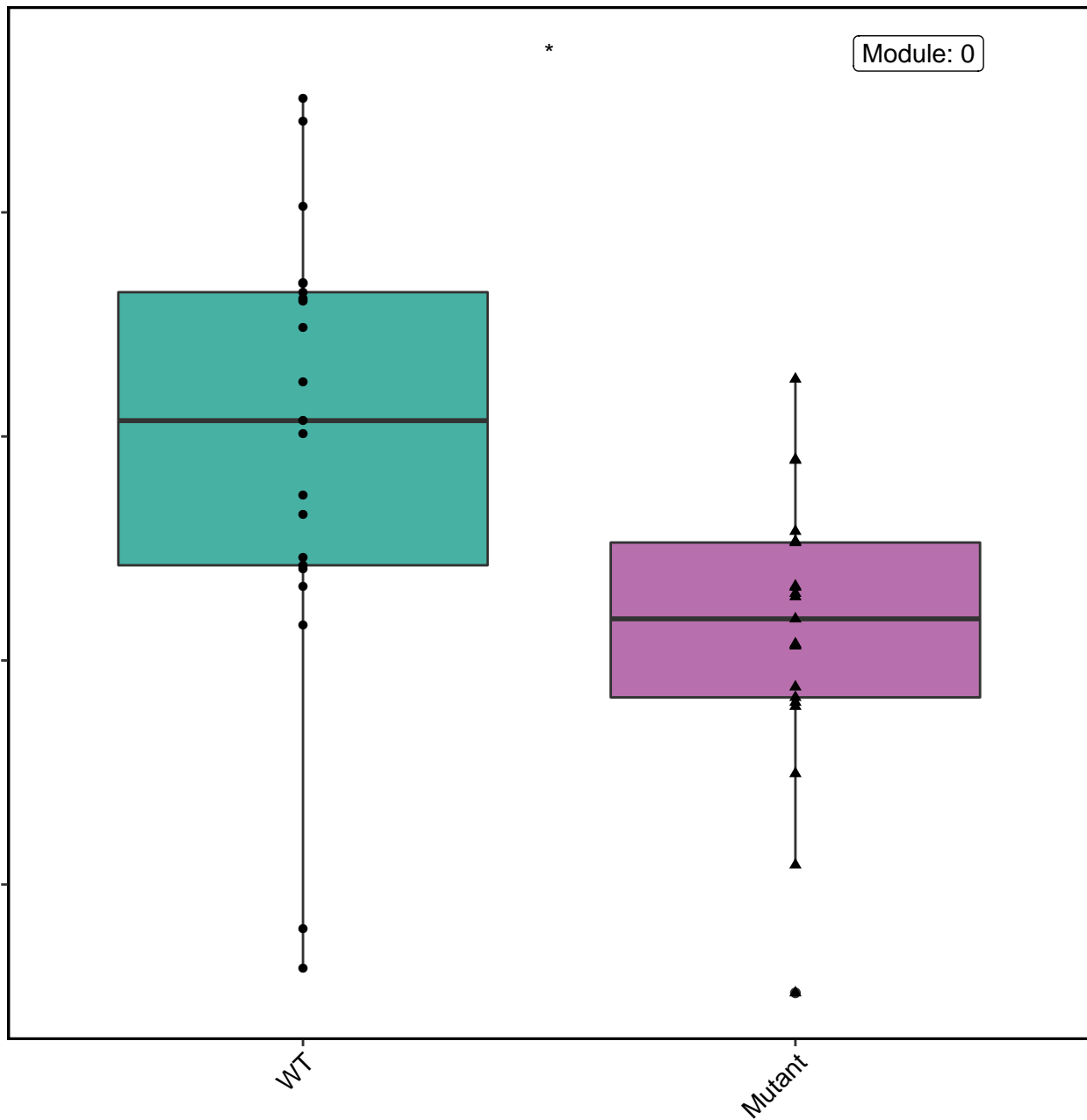


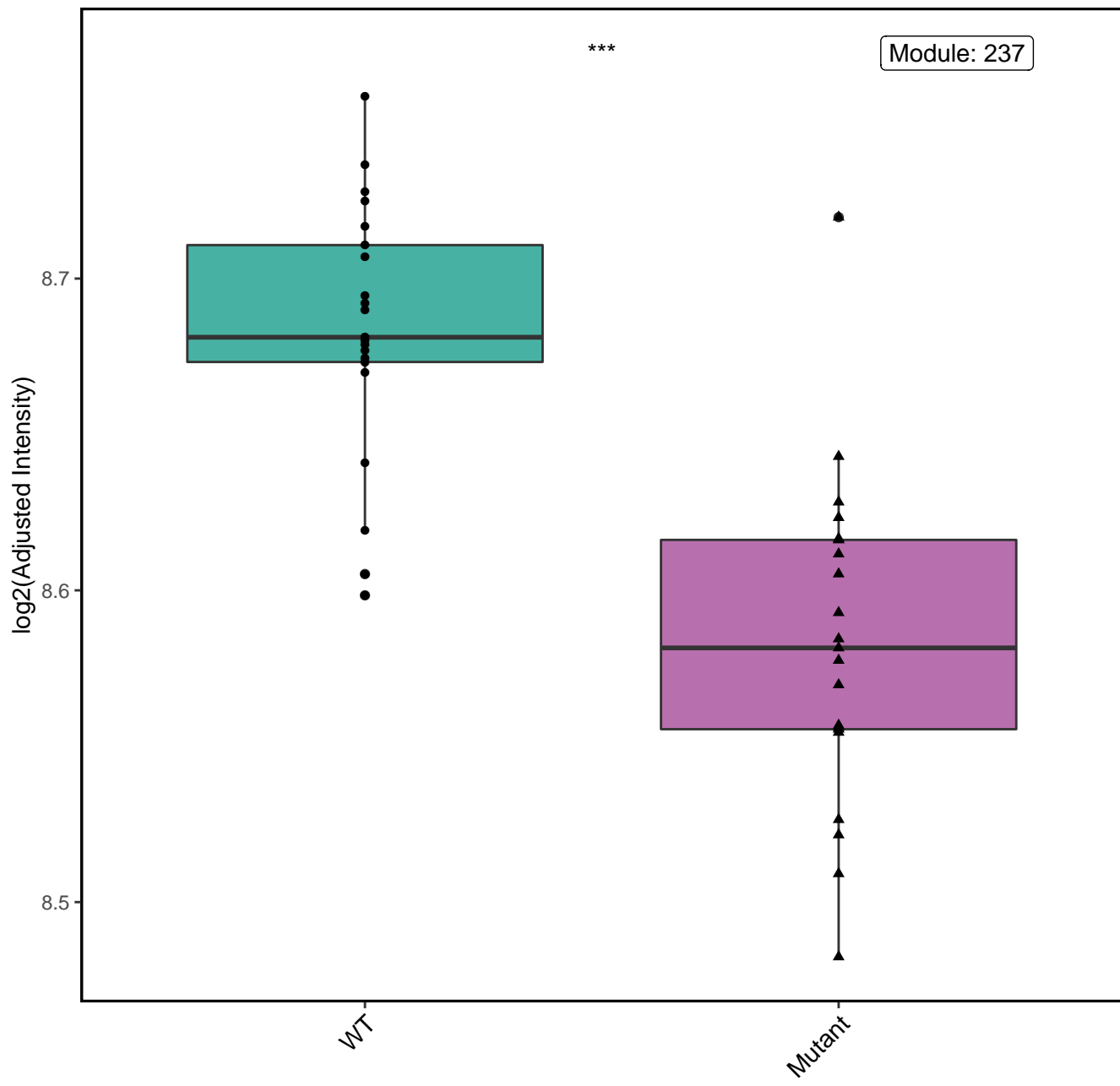
log2(Adjusted Intensity)

WT

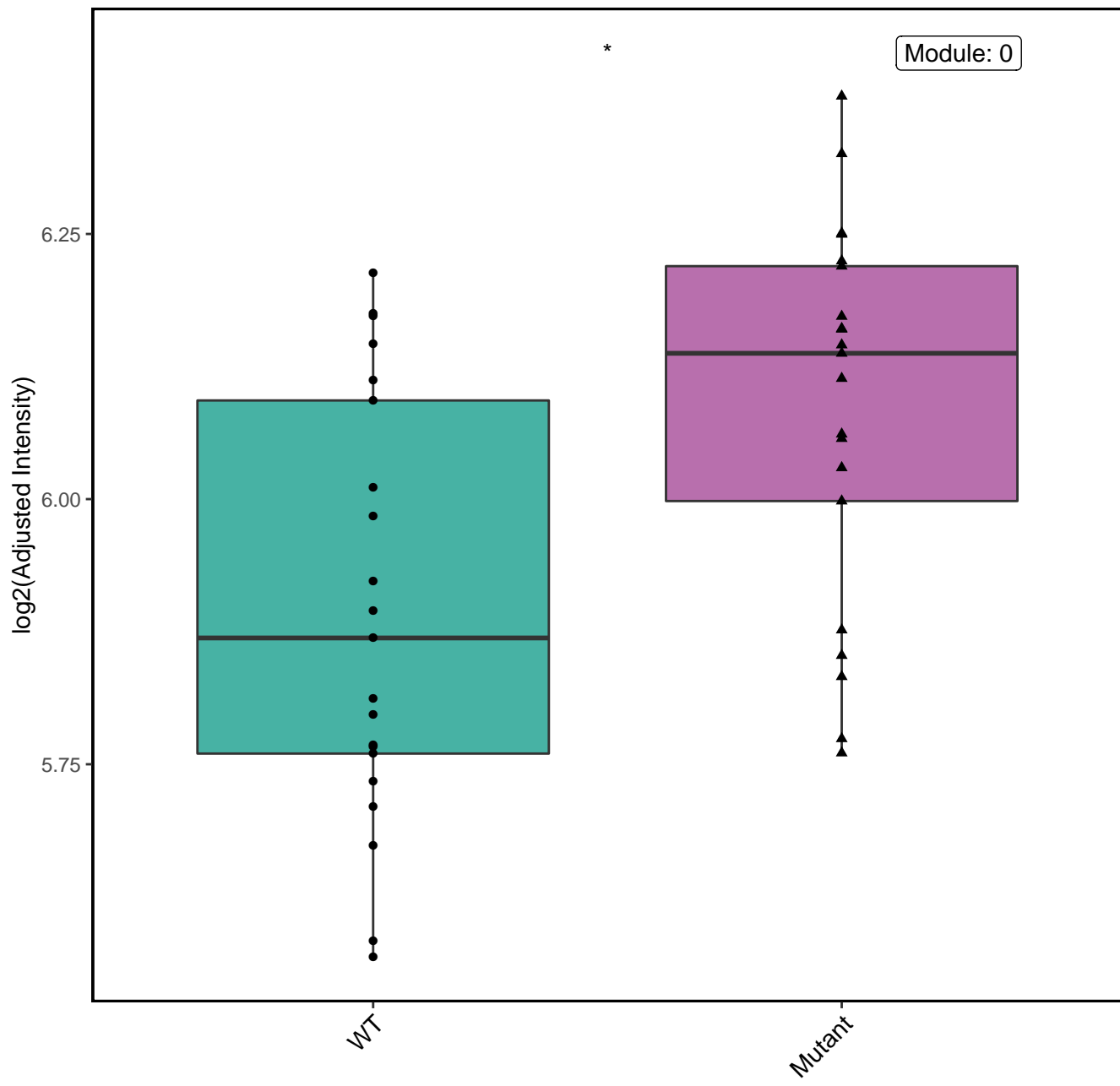
Mutant

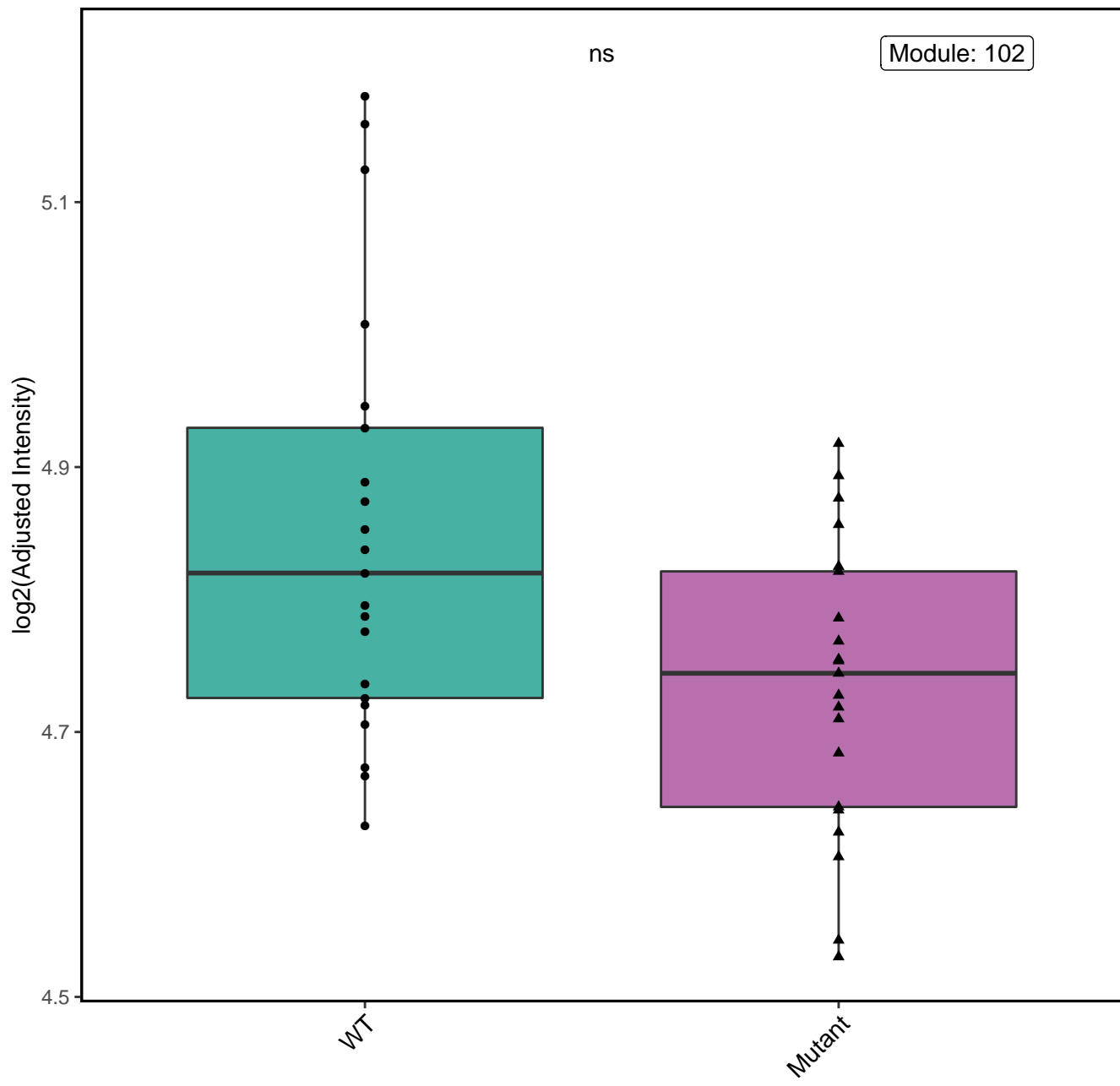
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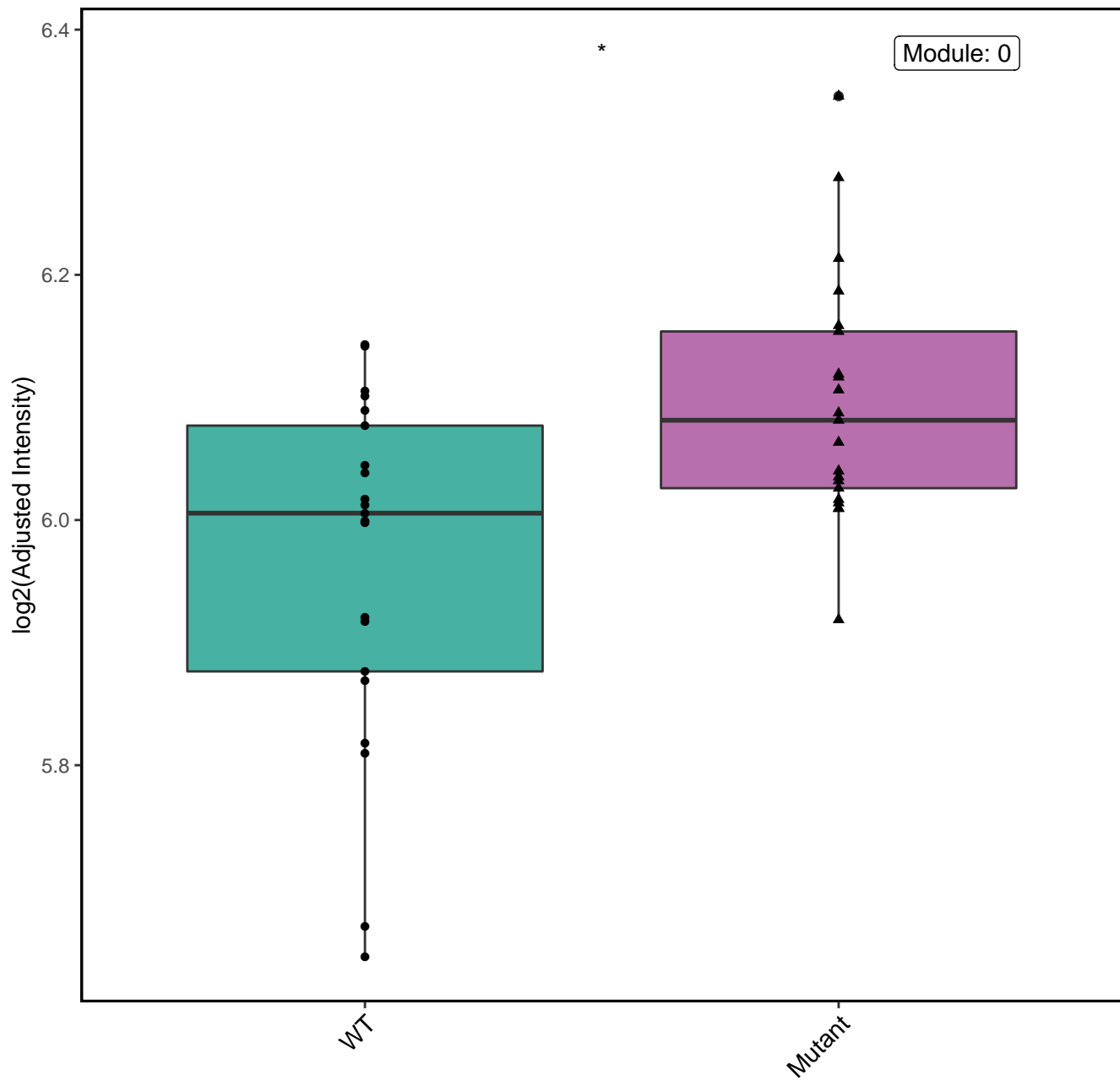


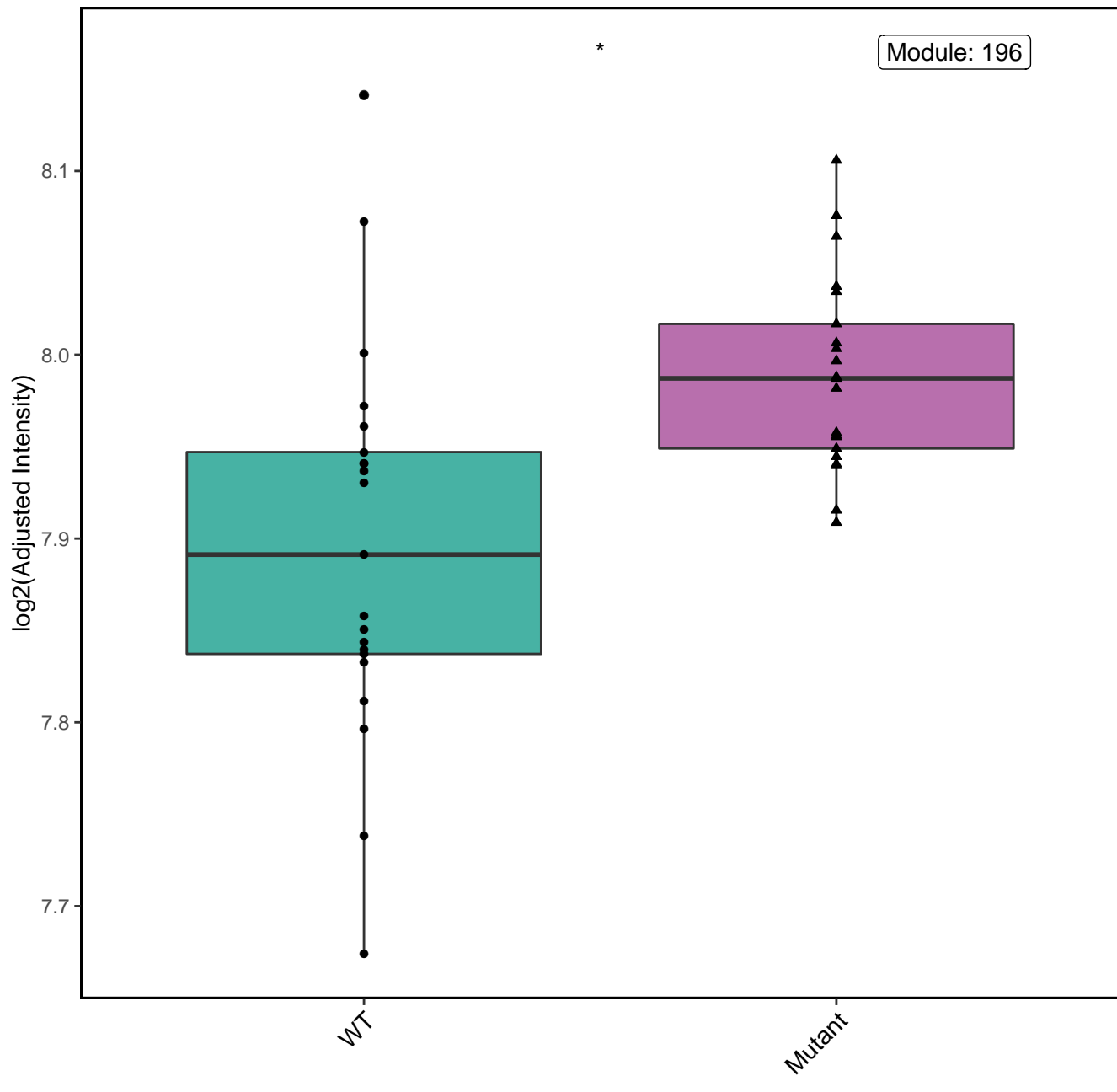


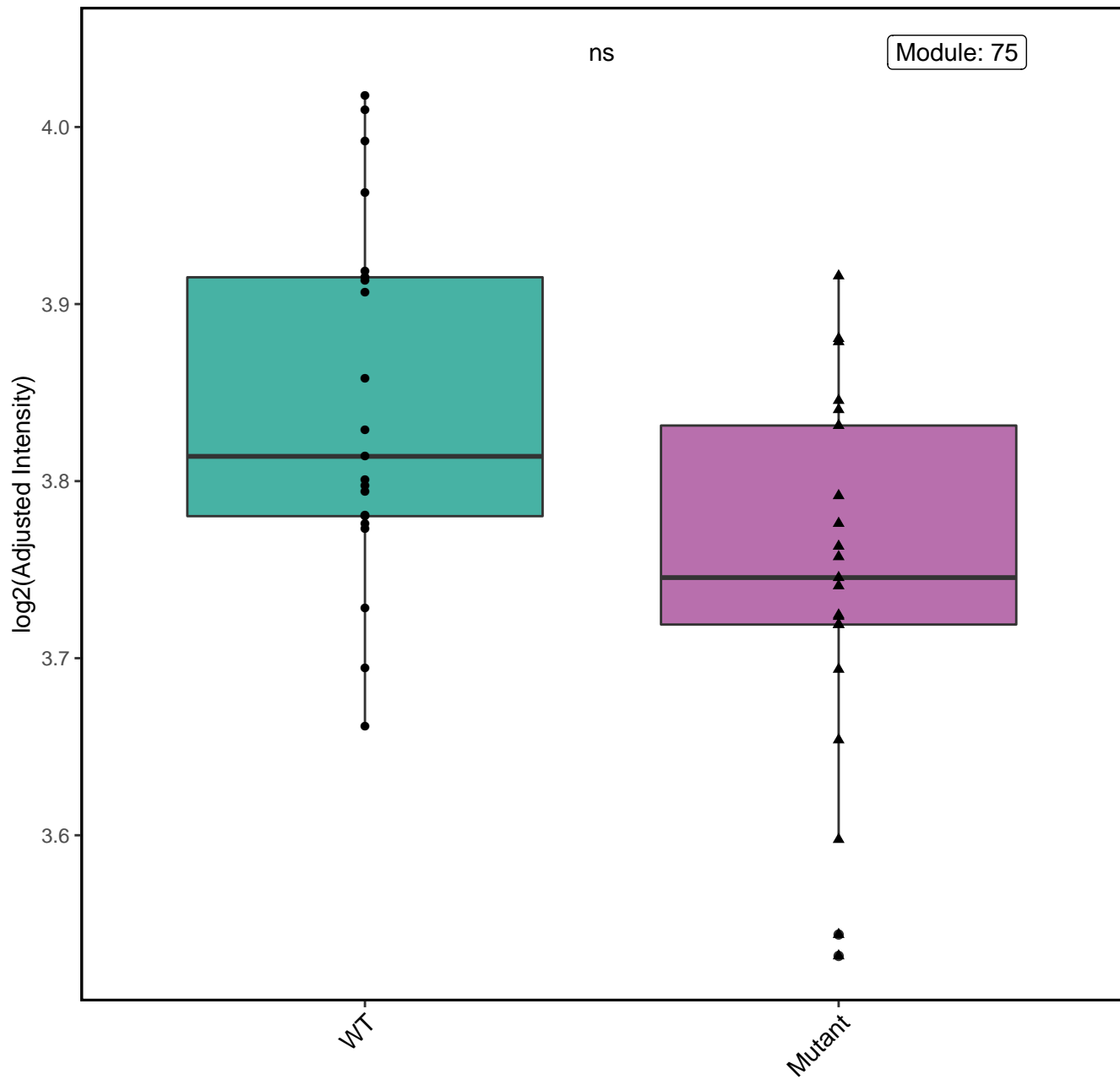


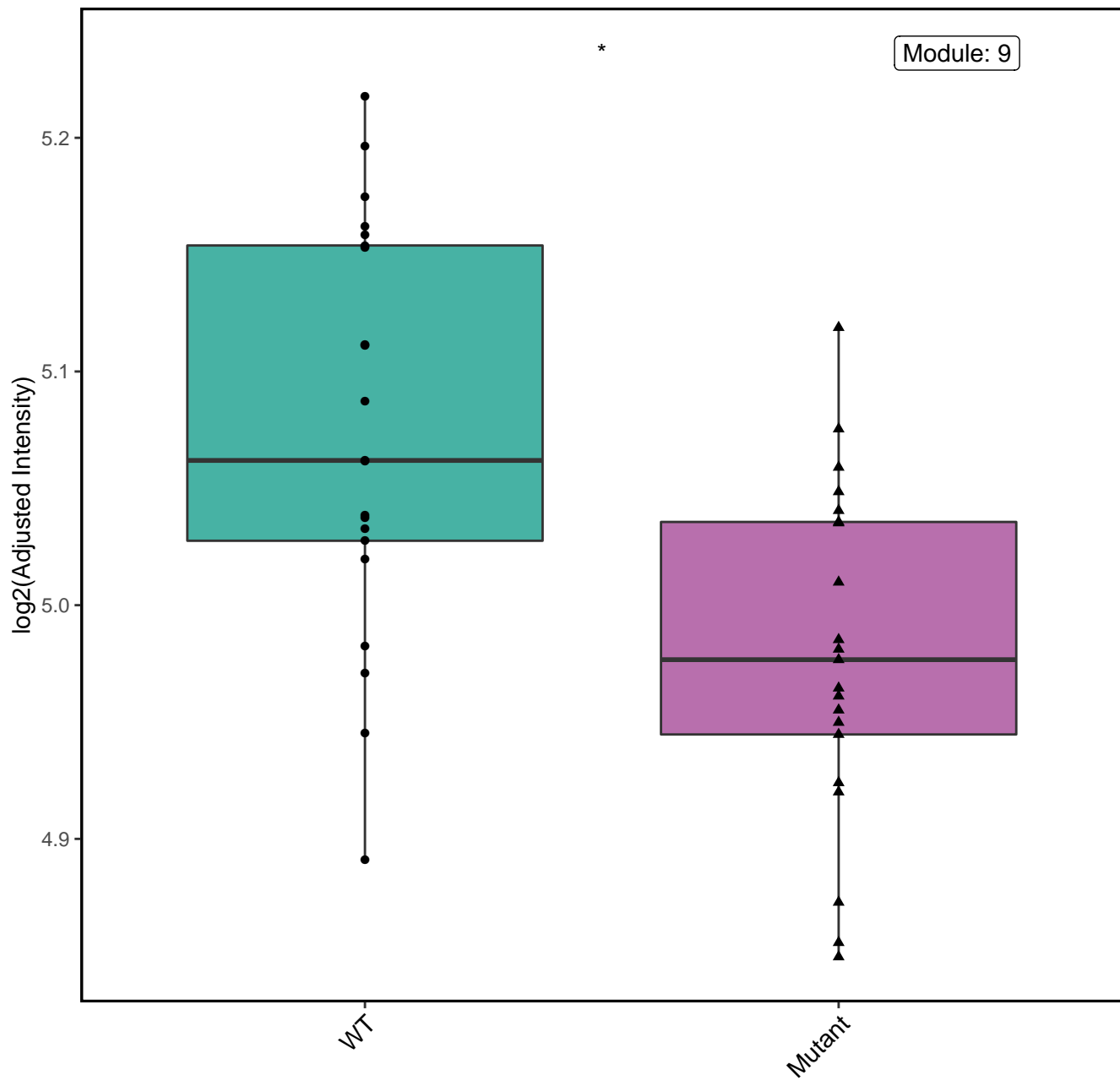


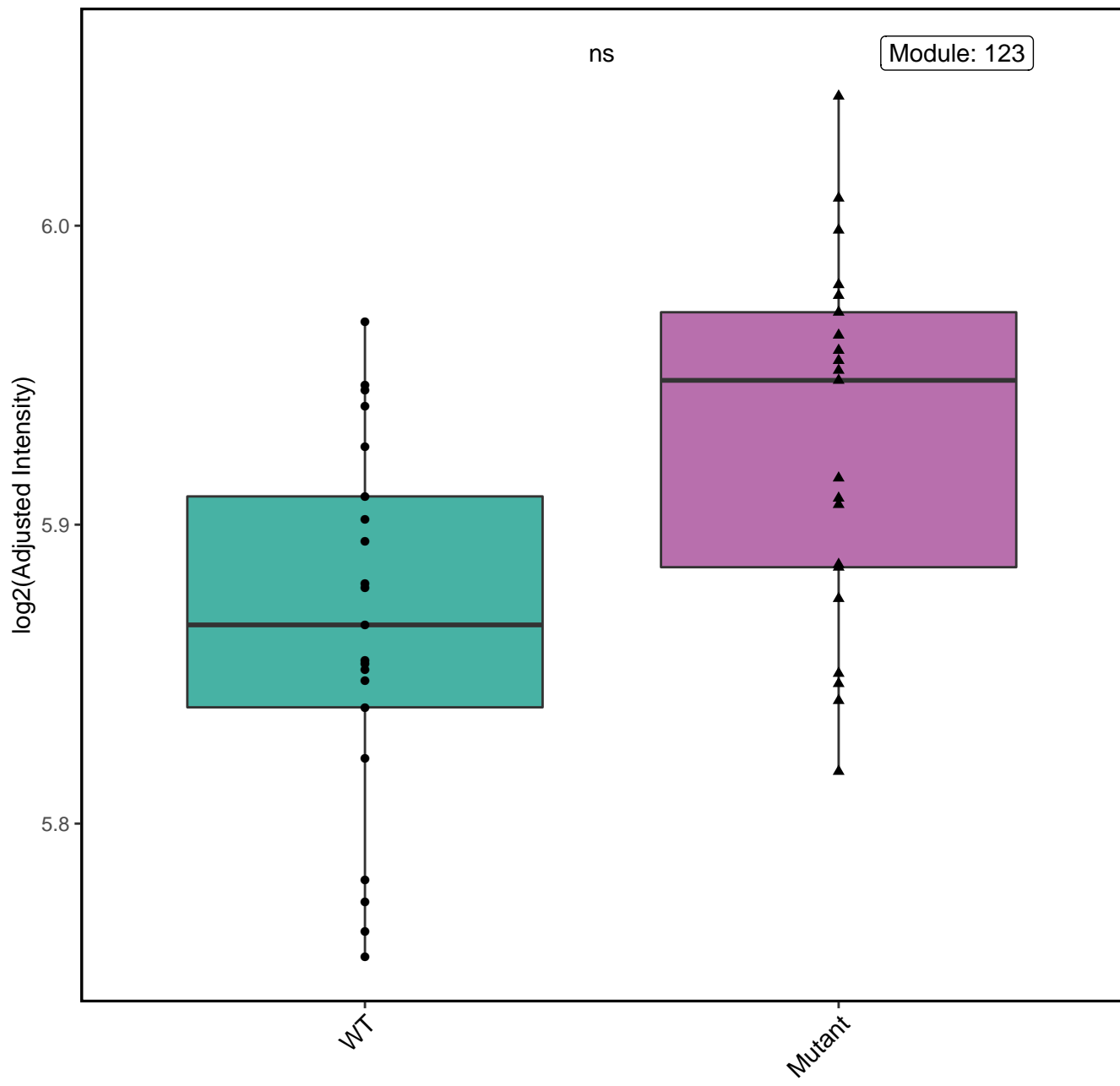


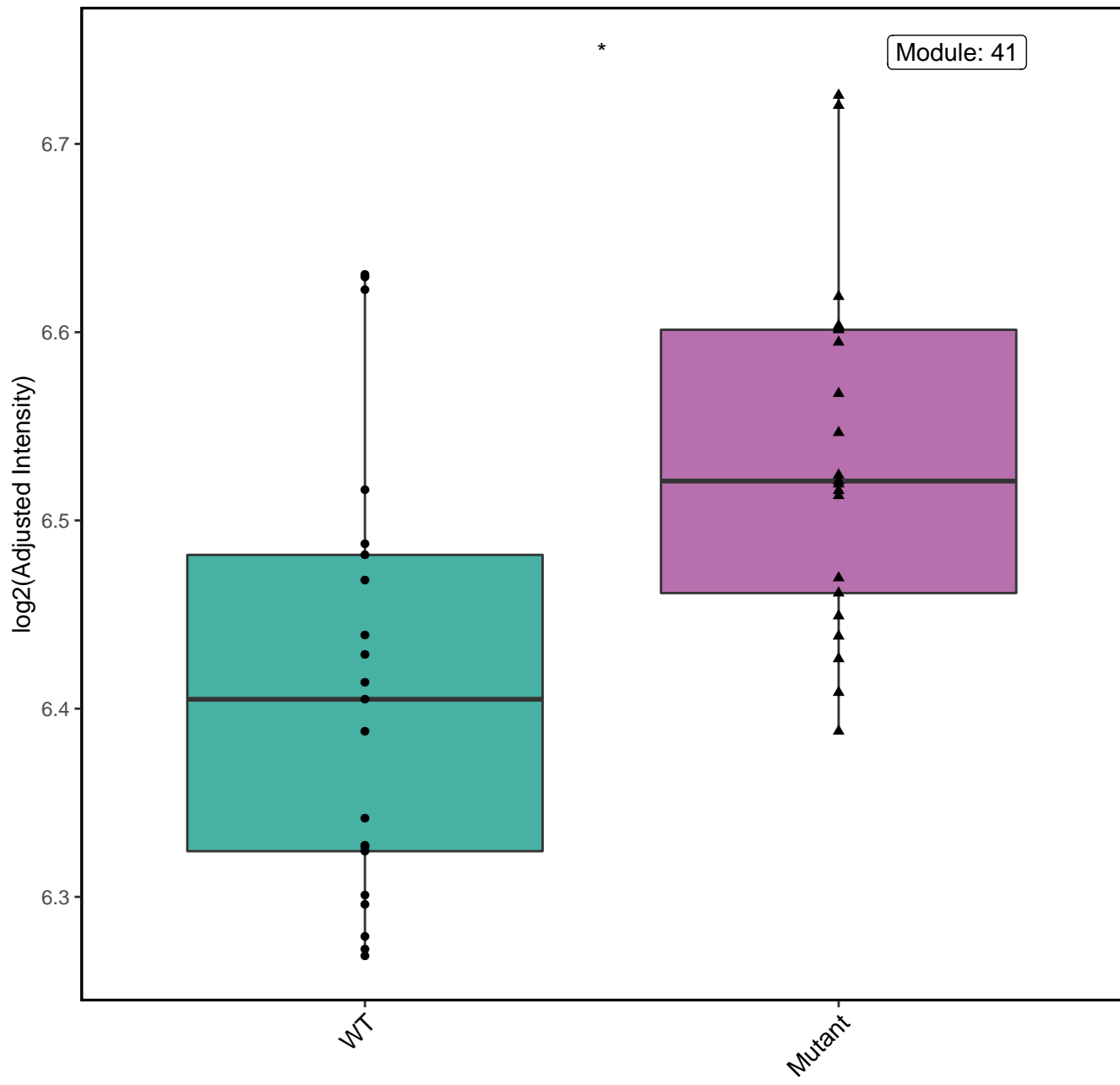














log2(Adjusted Intensity)

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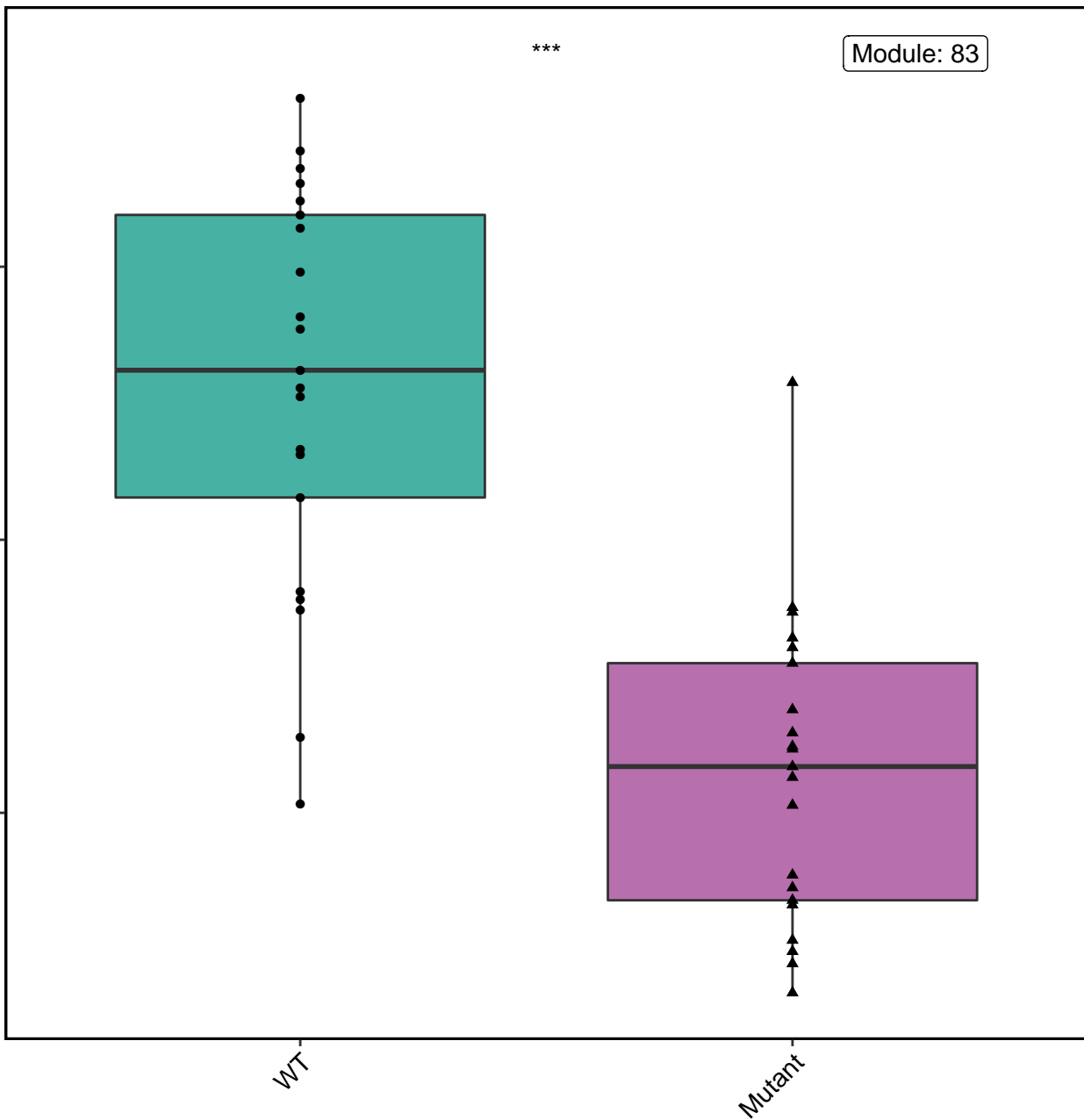
WT

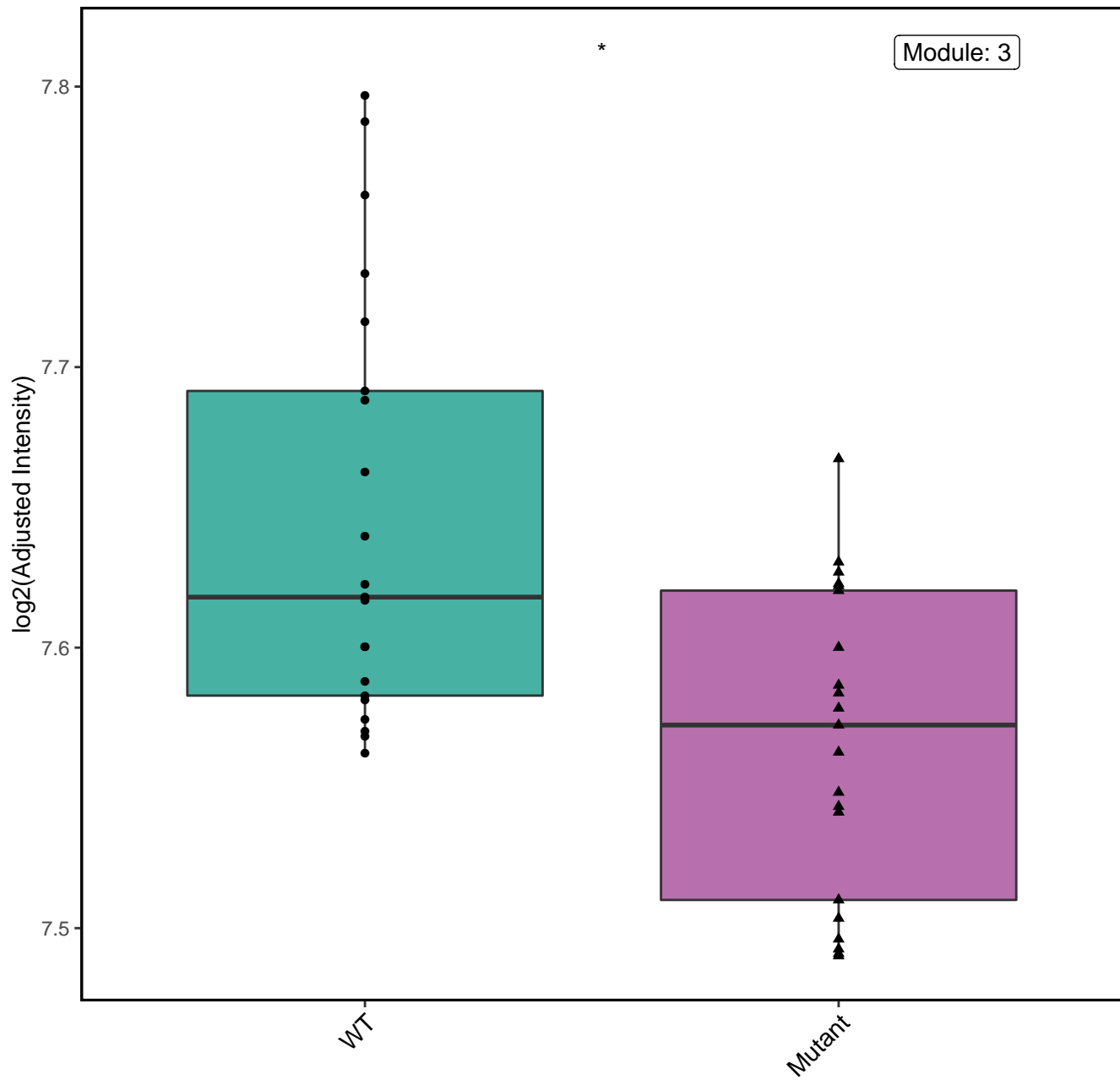
Mutant

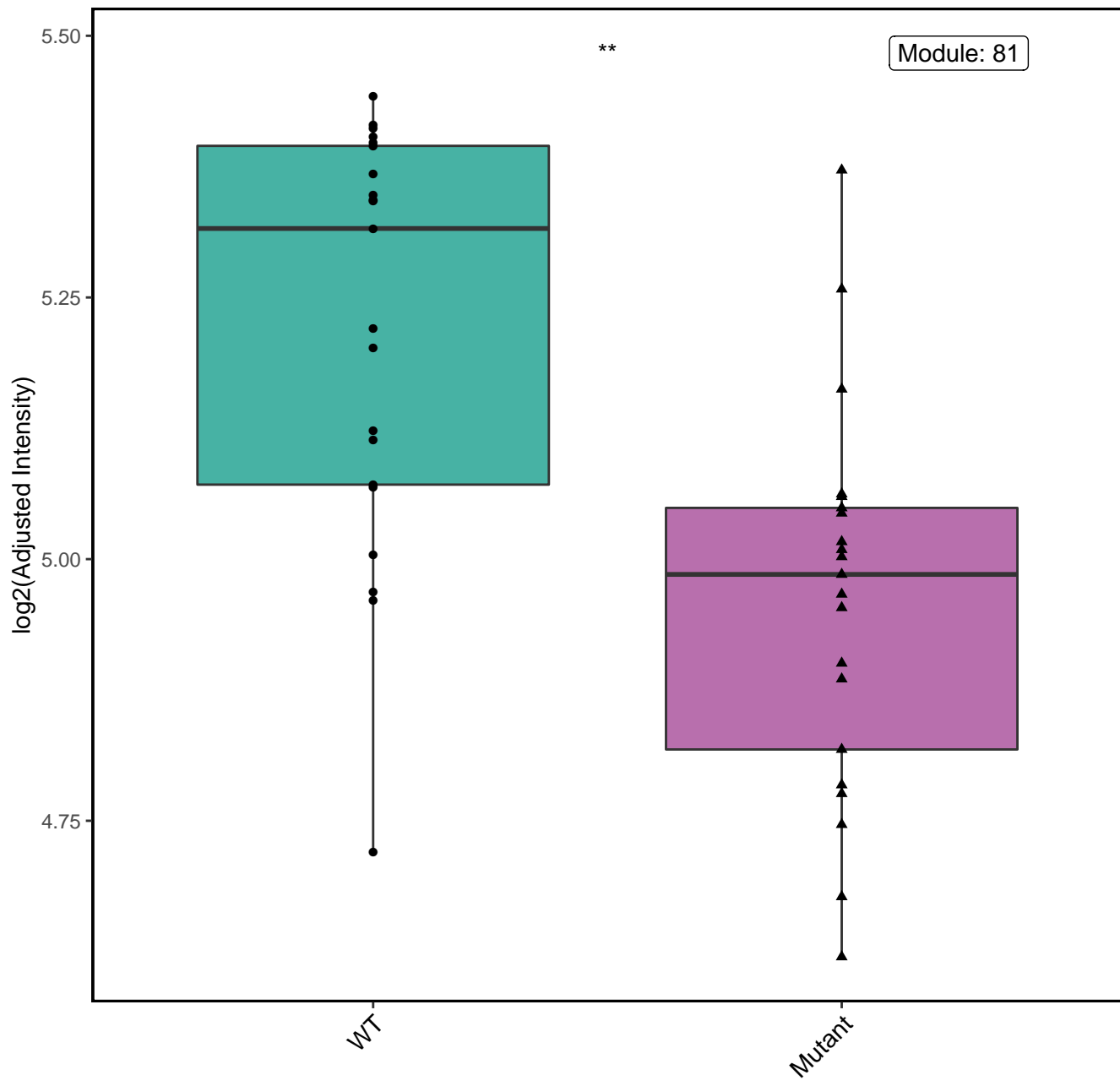
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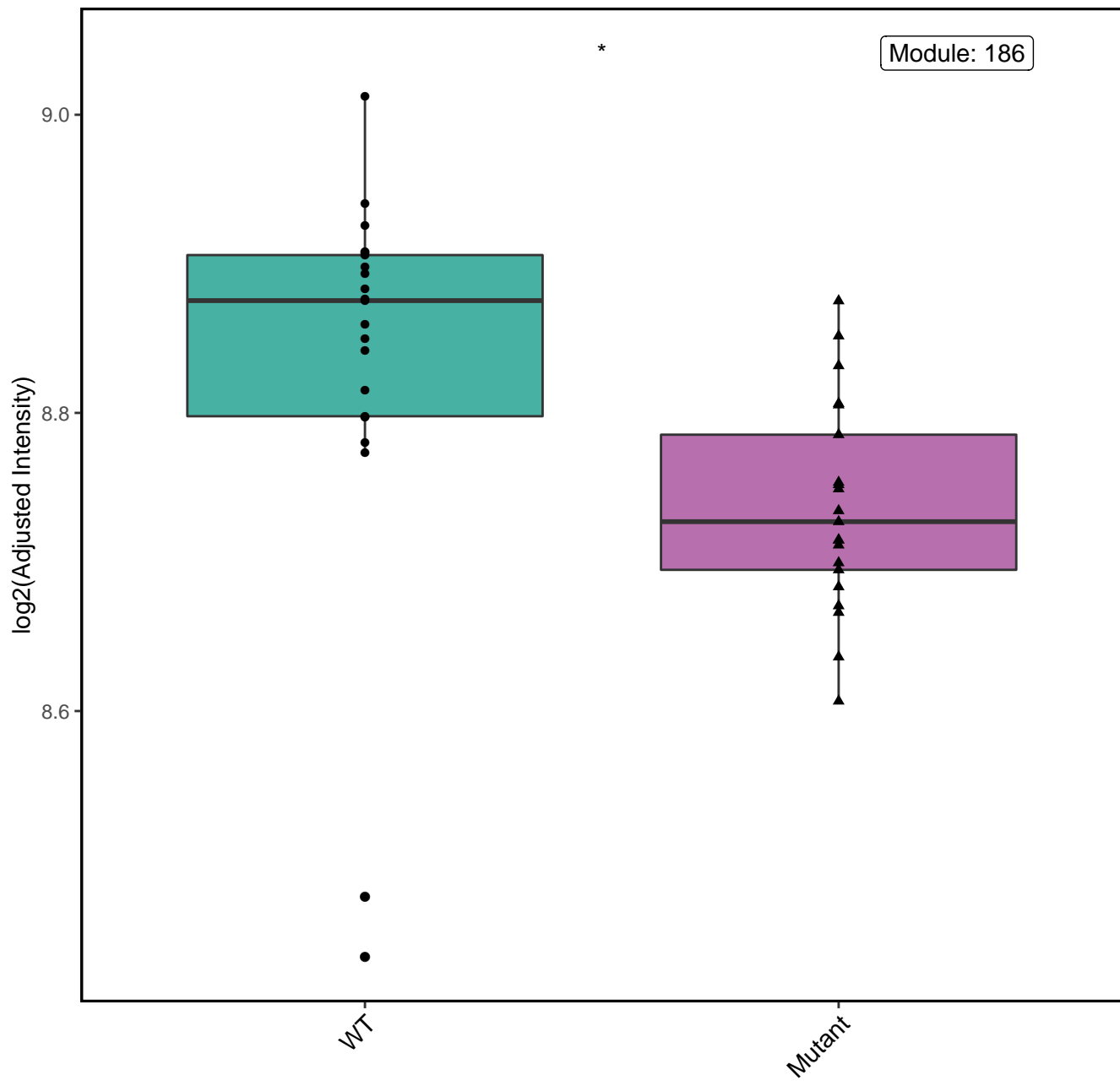
7.3

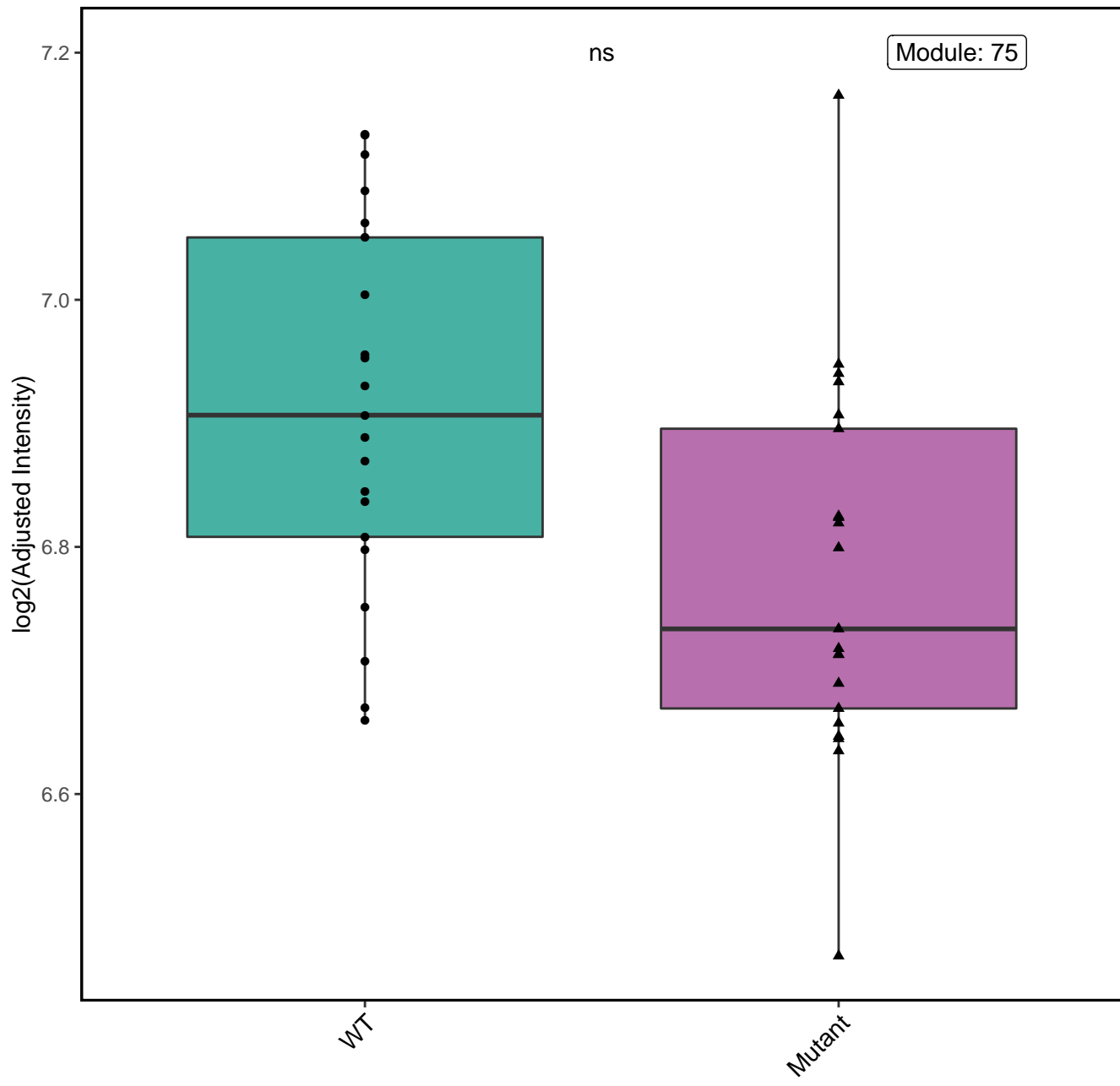
7.1

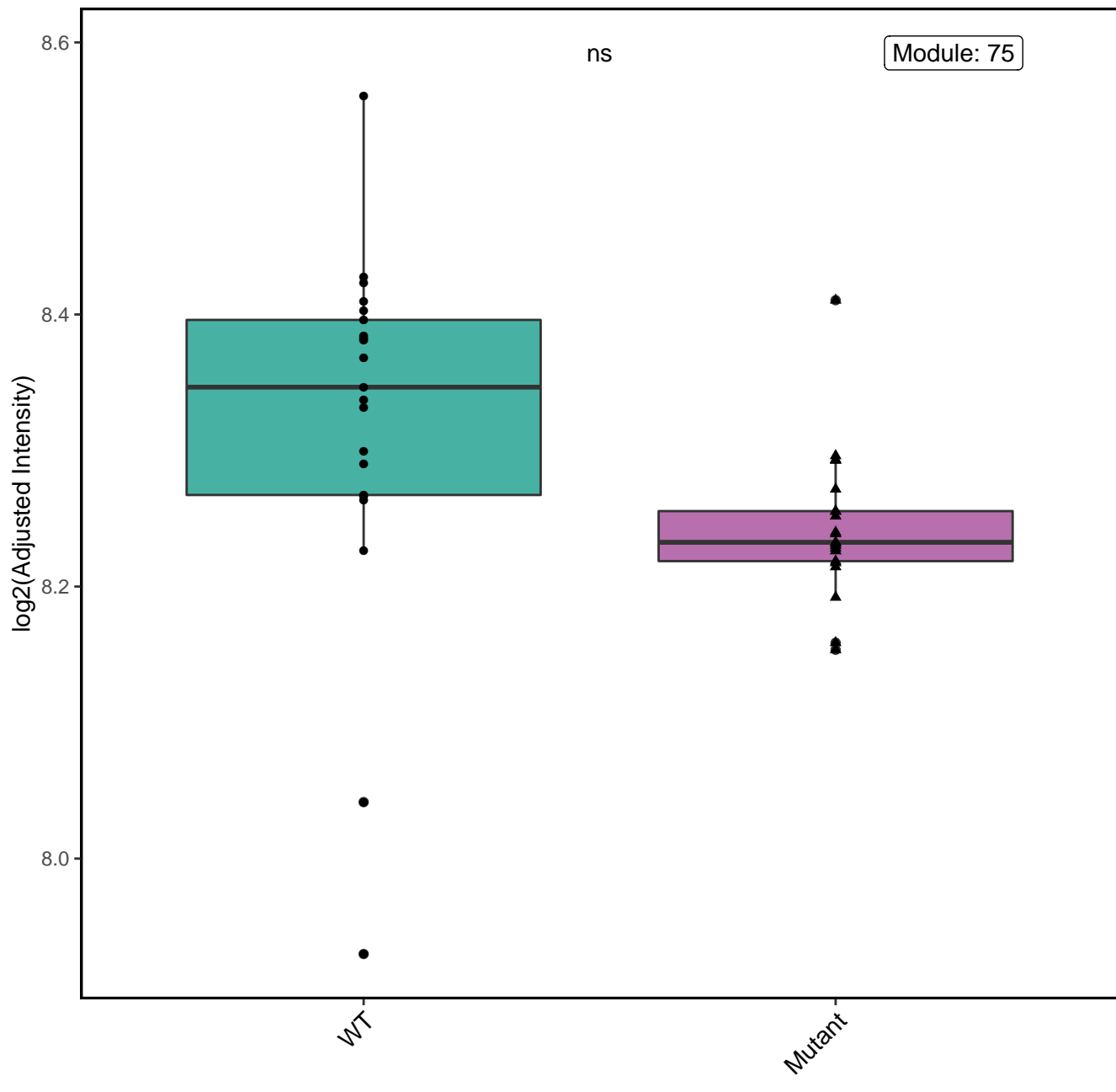


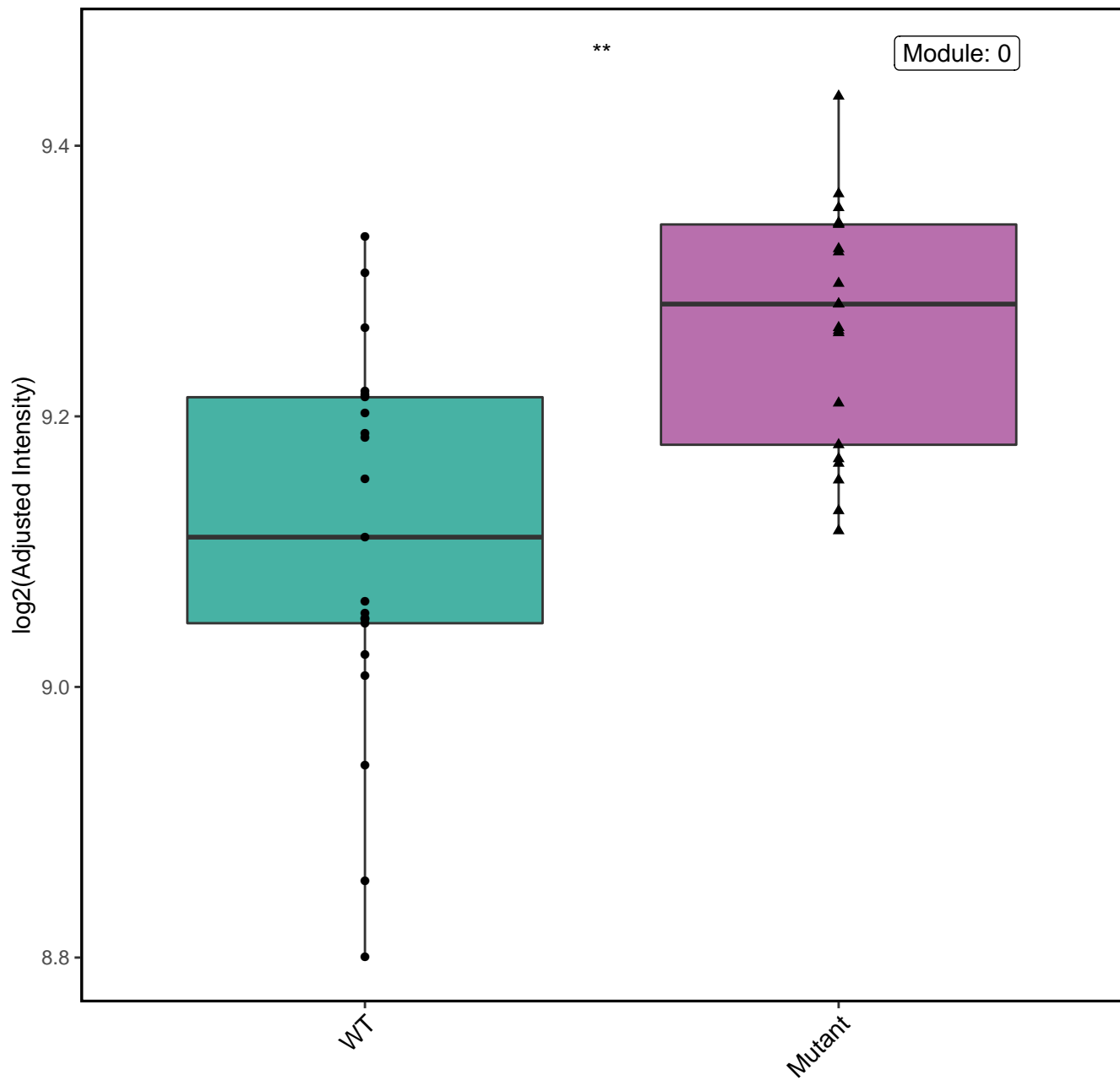


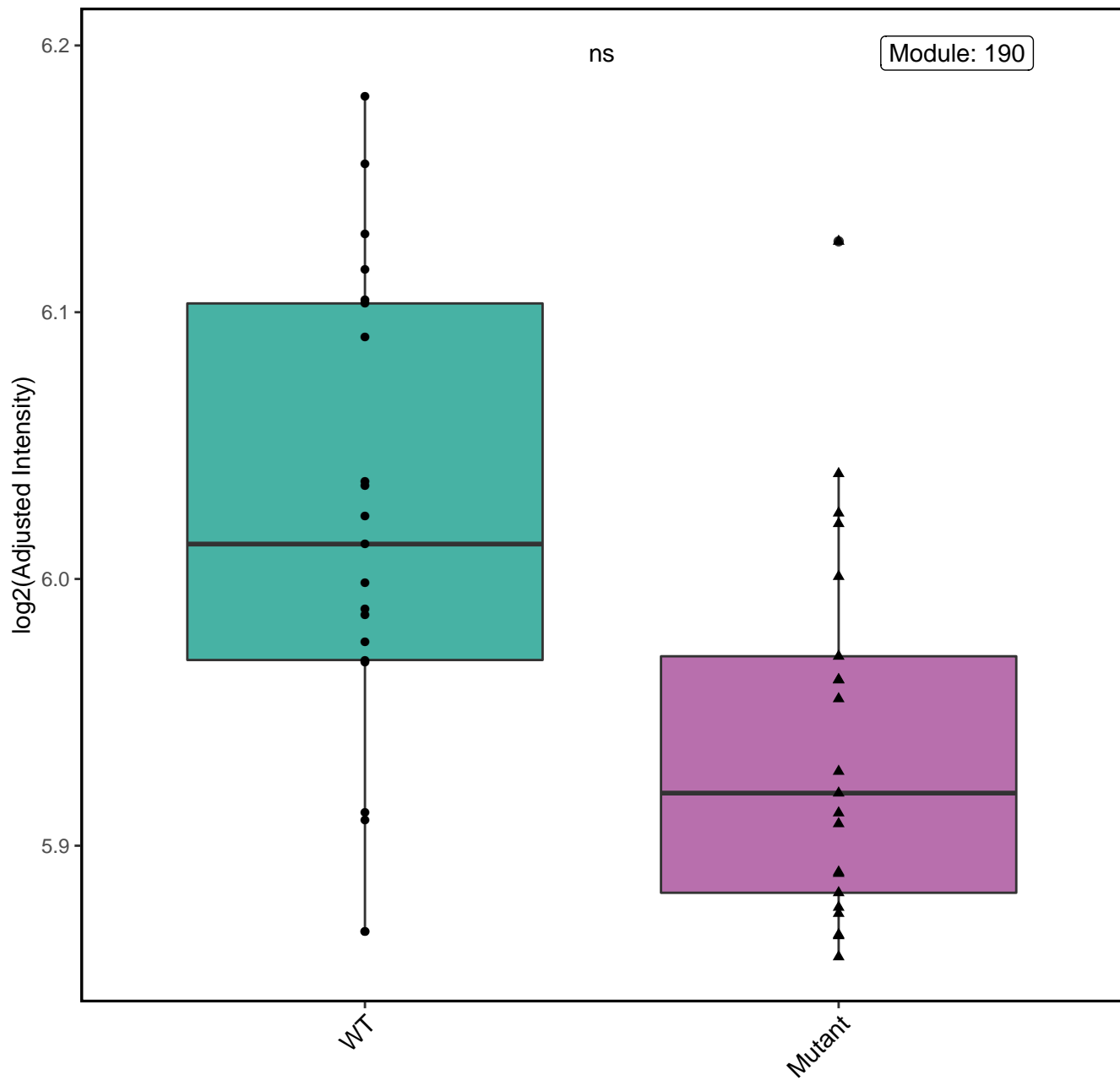




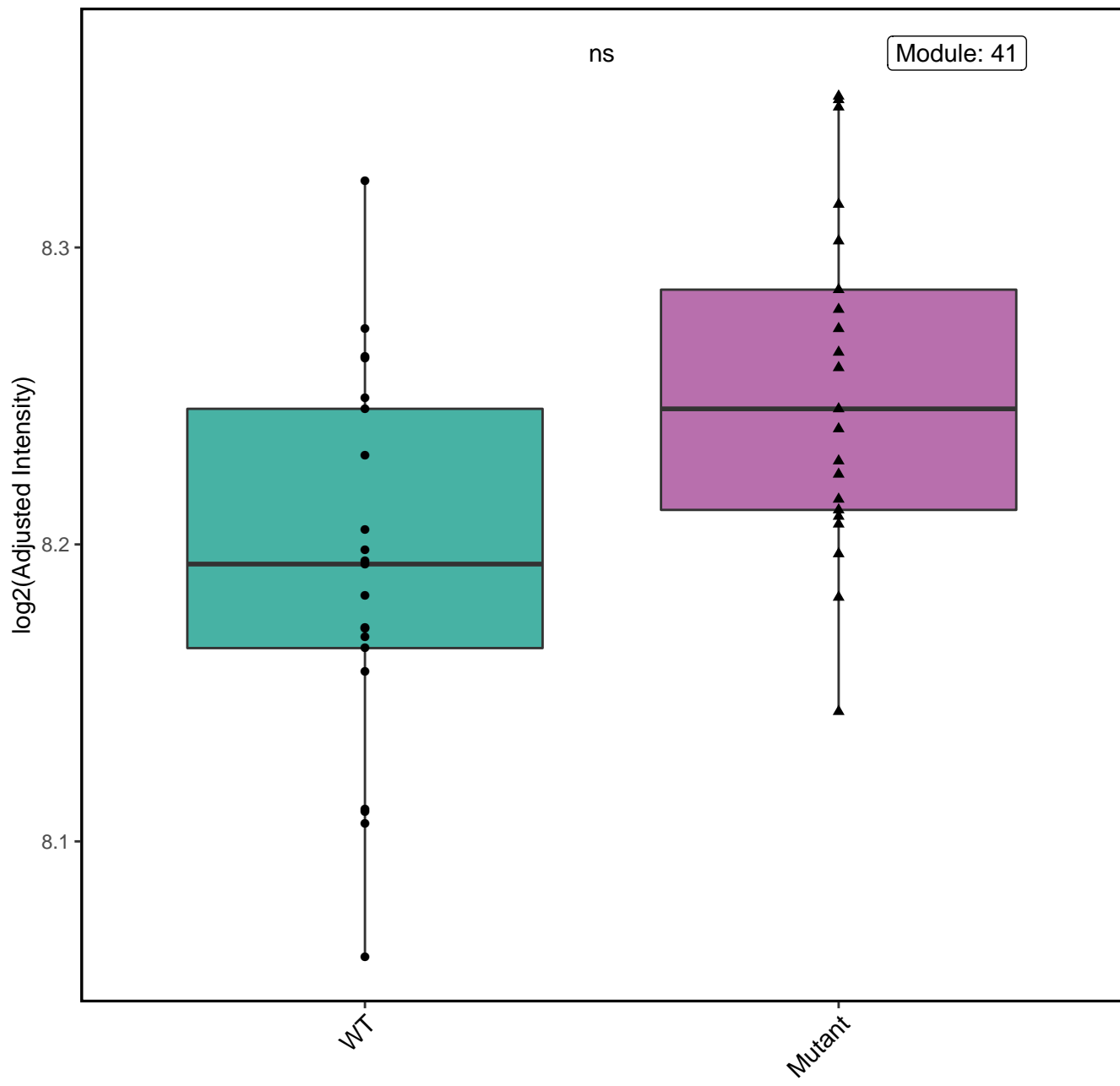


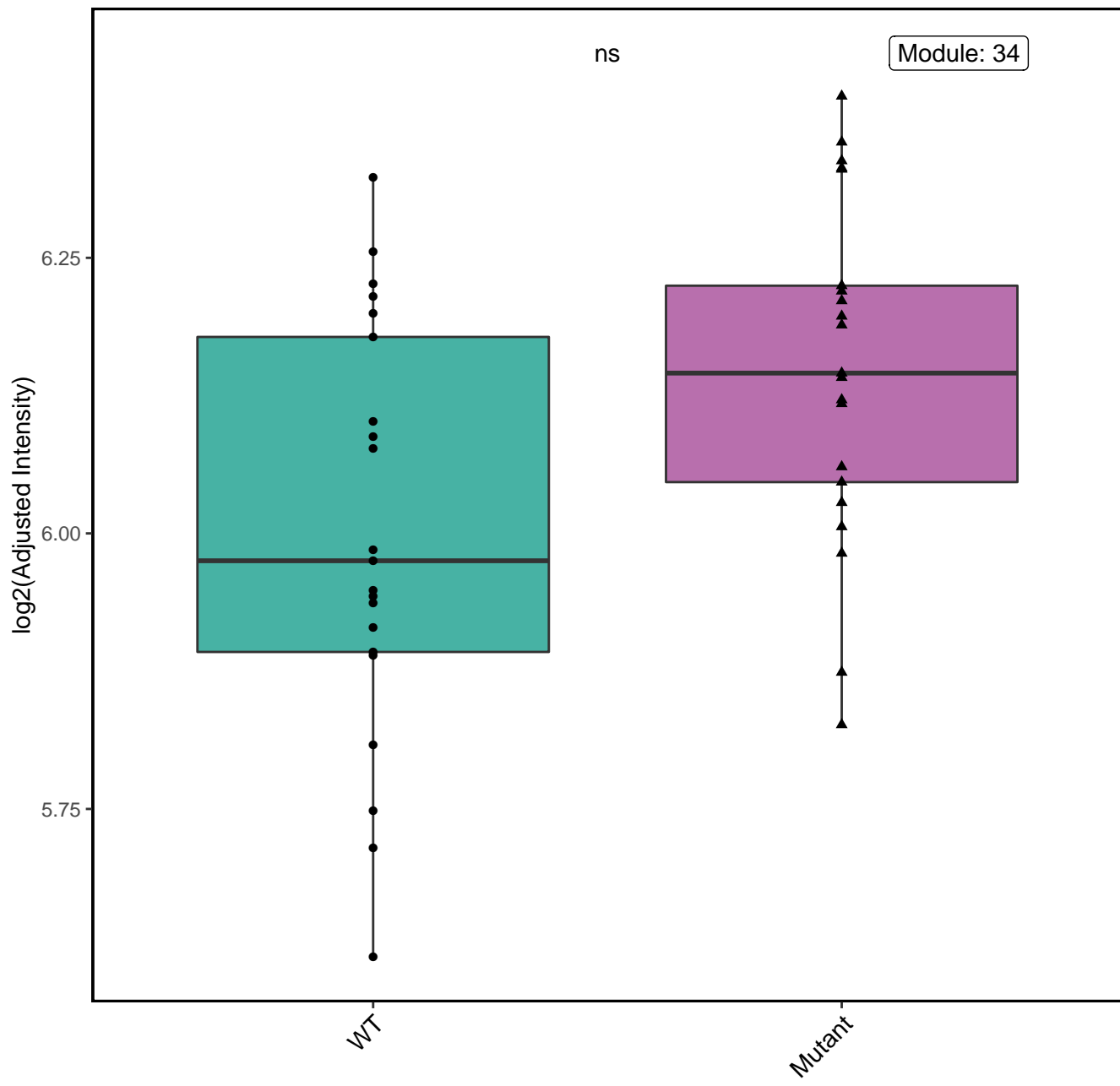


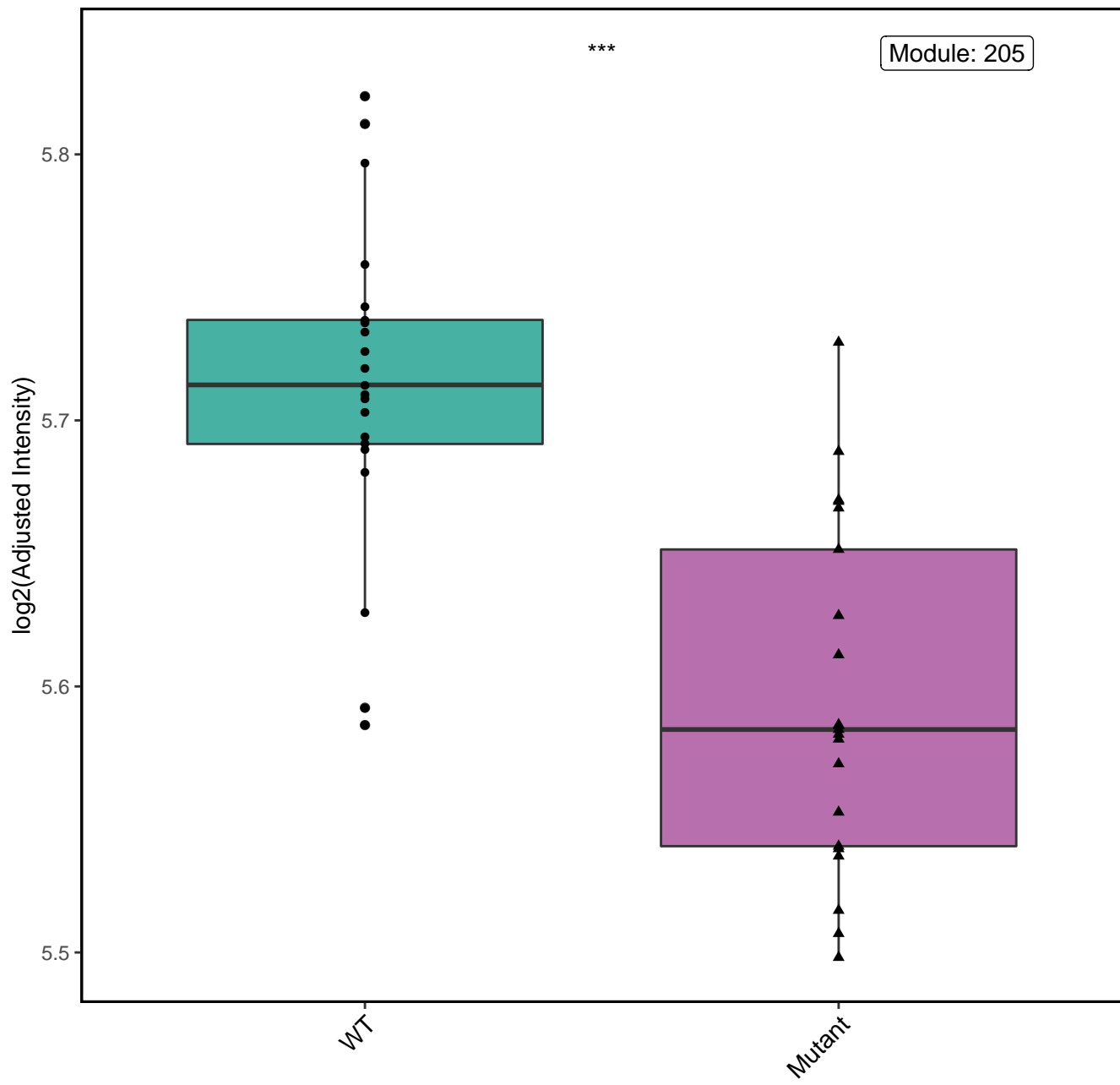


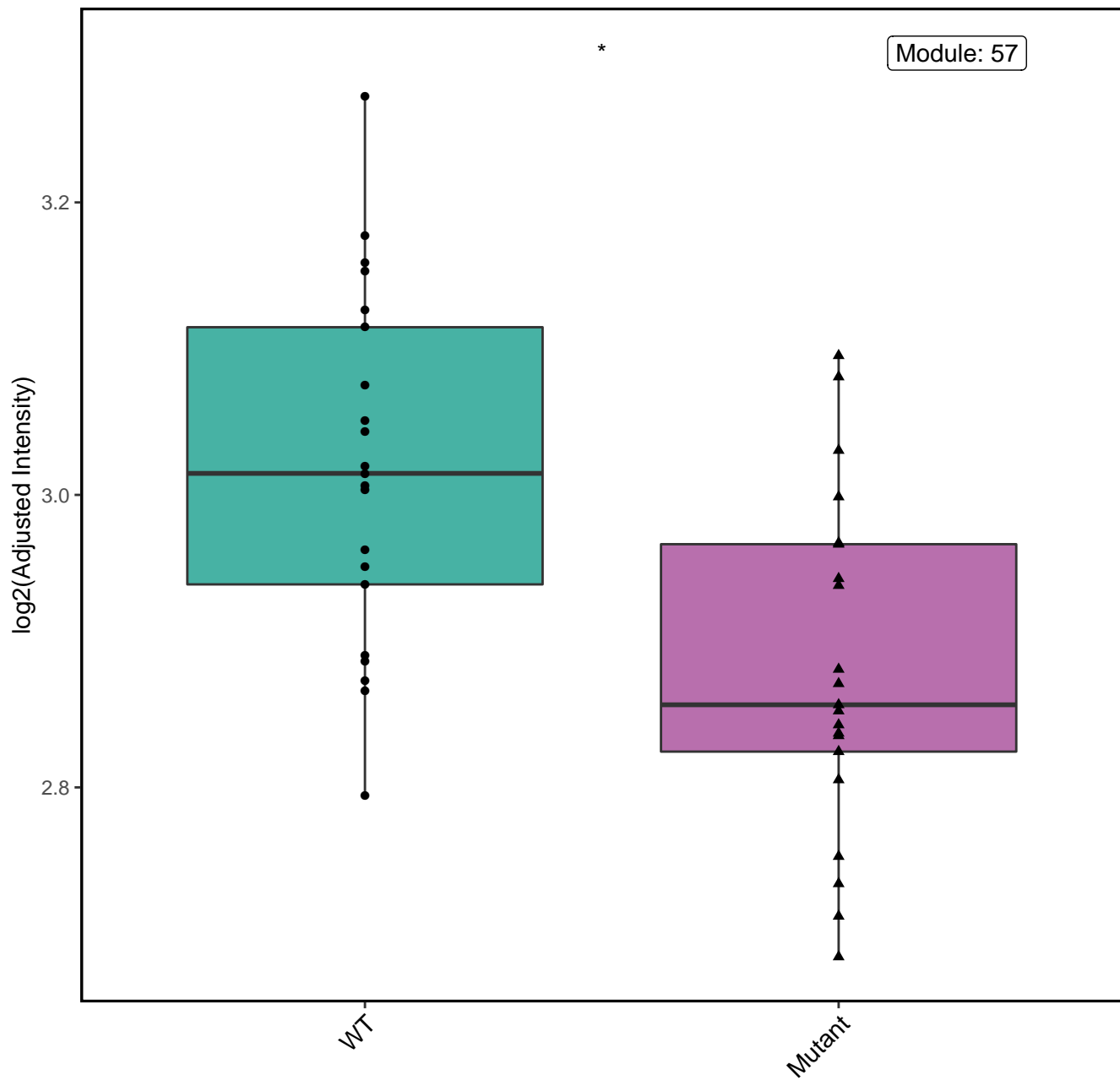


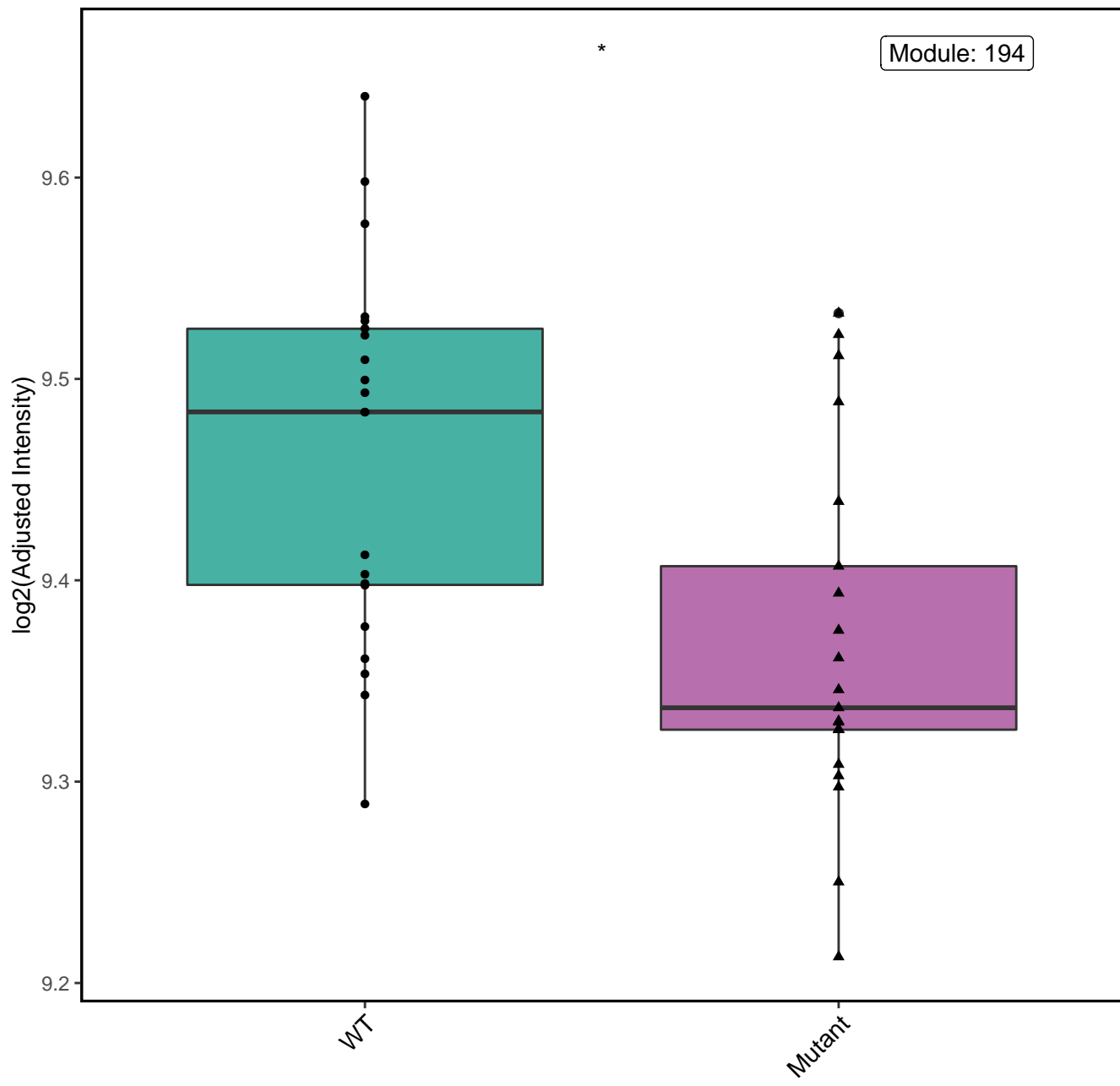


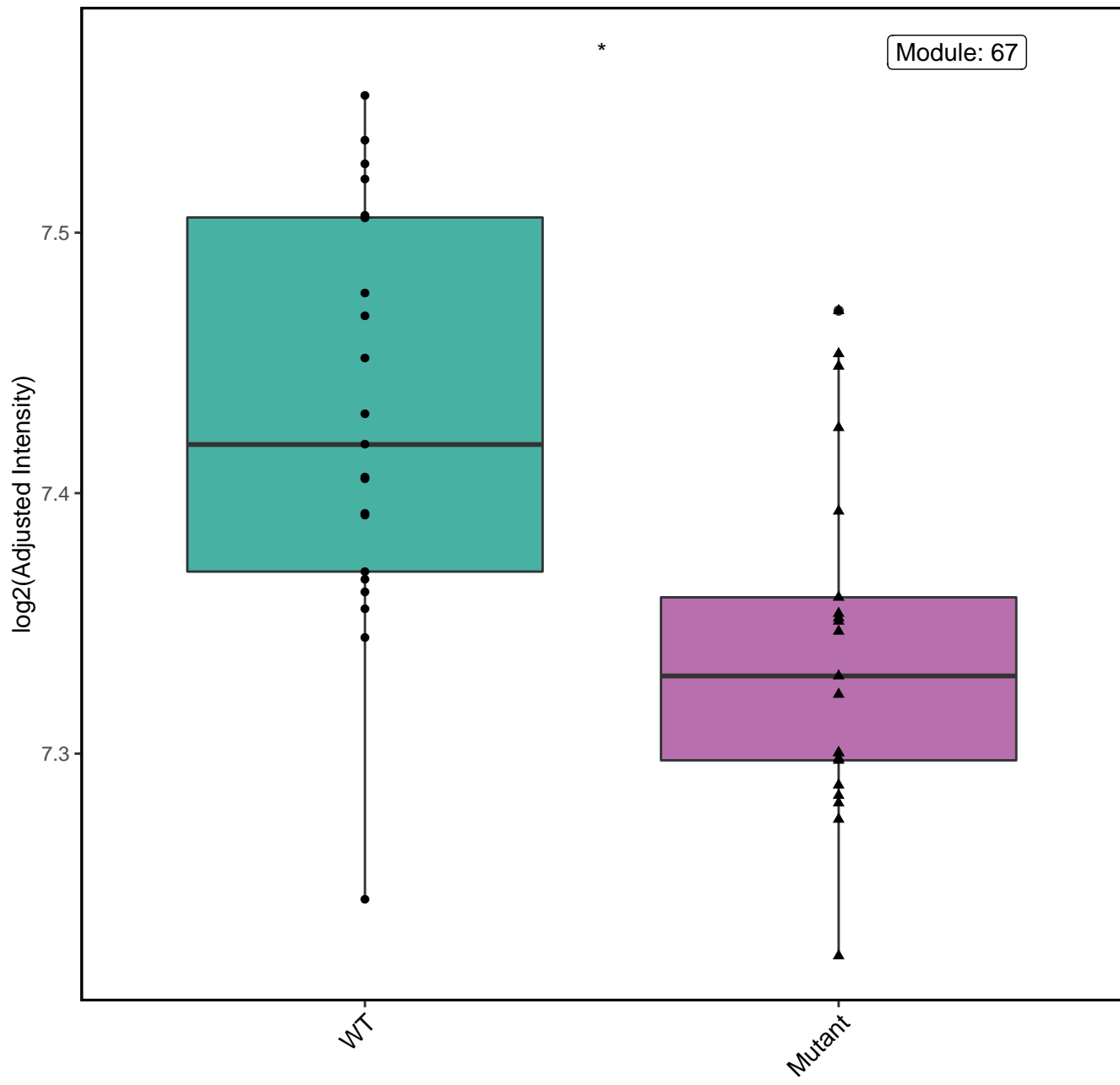


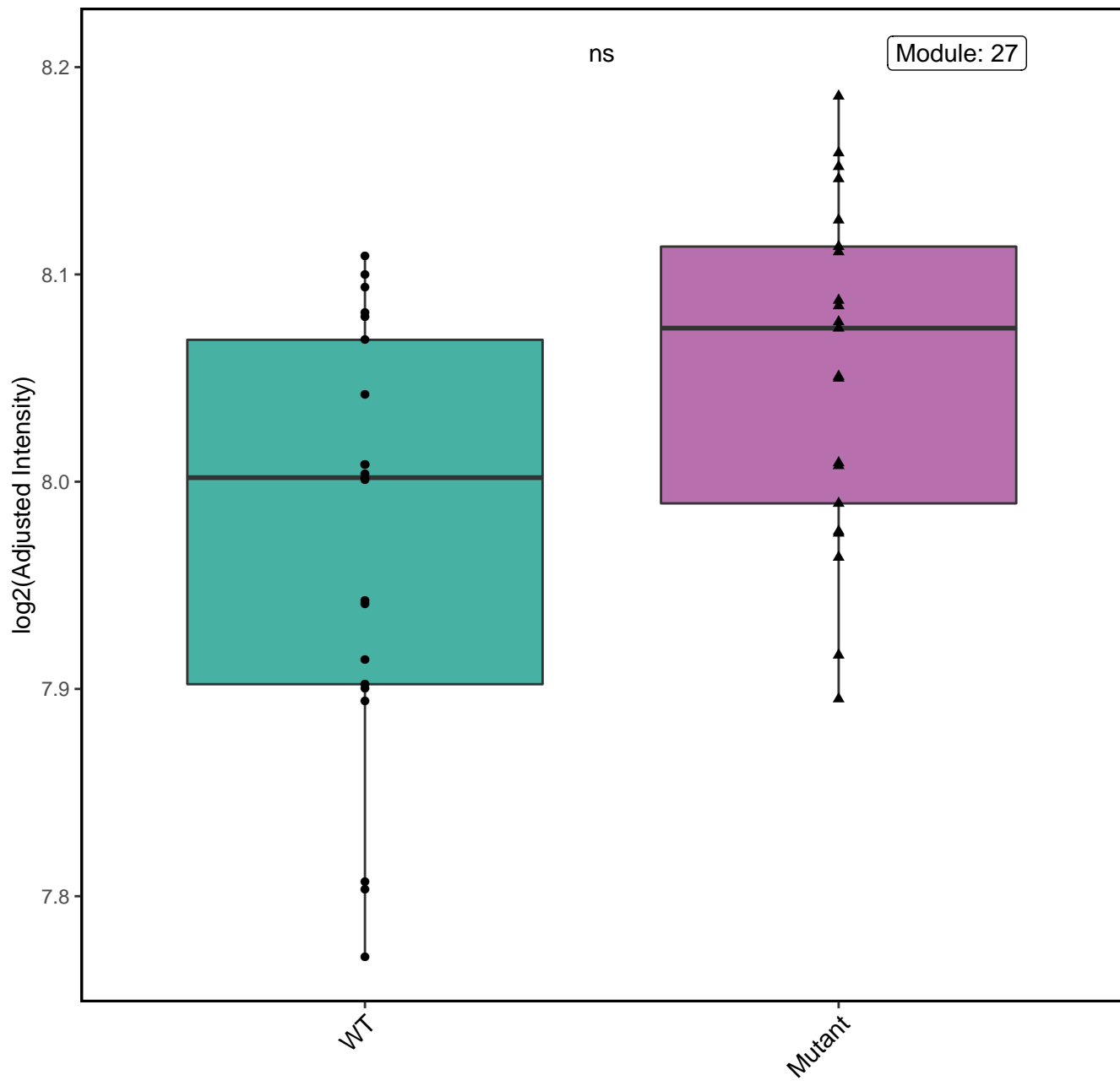


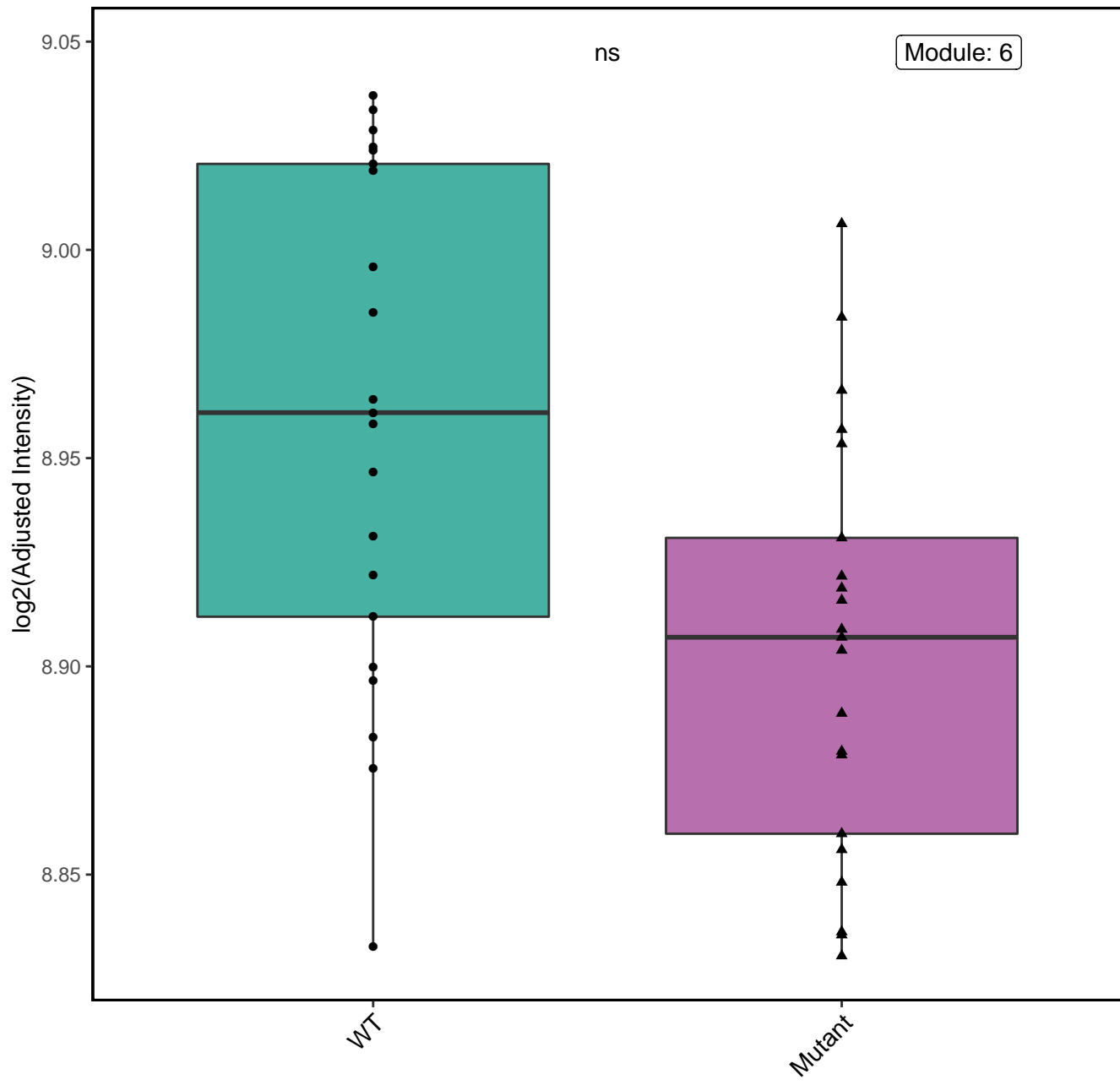






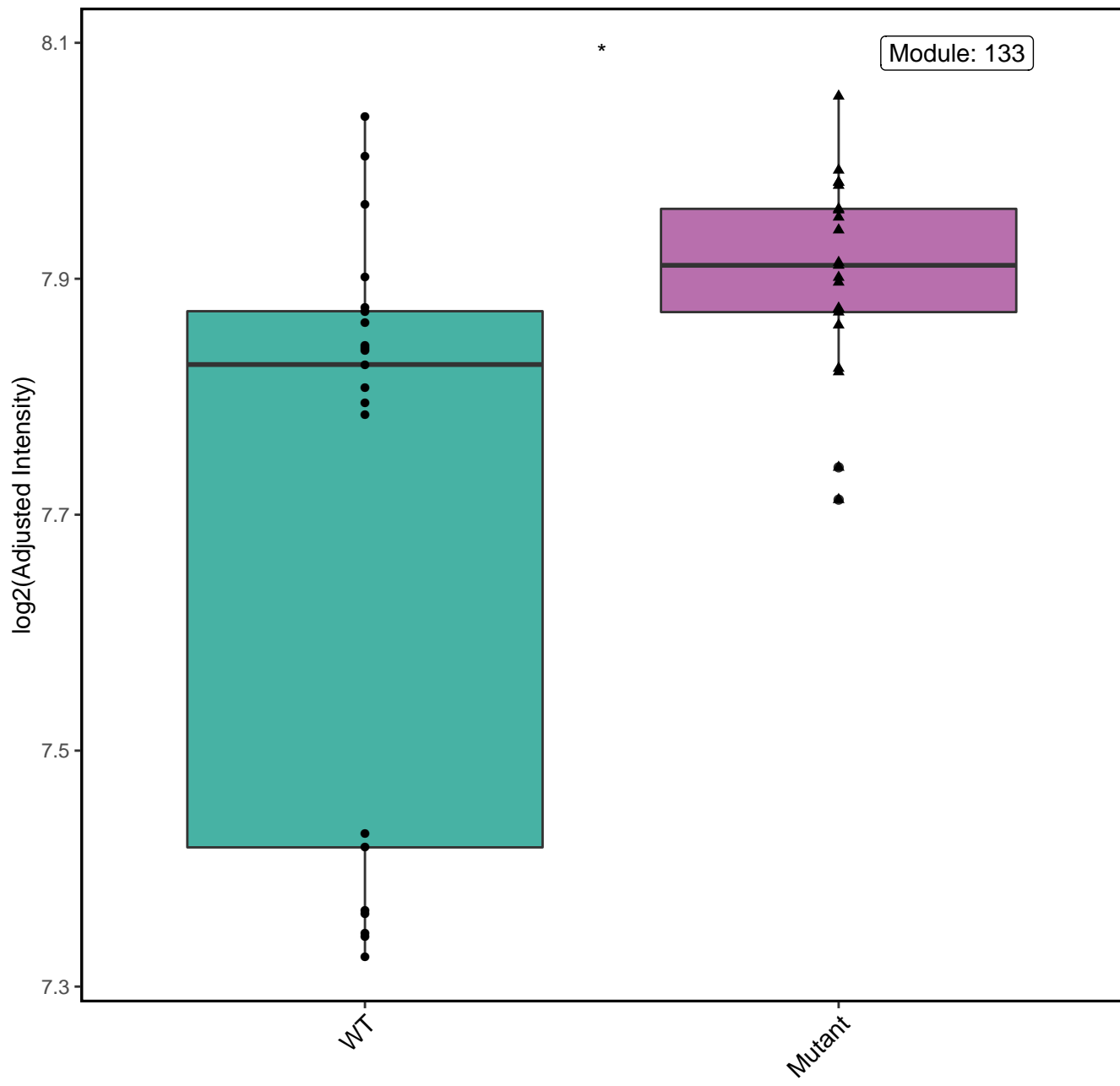








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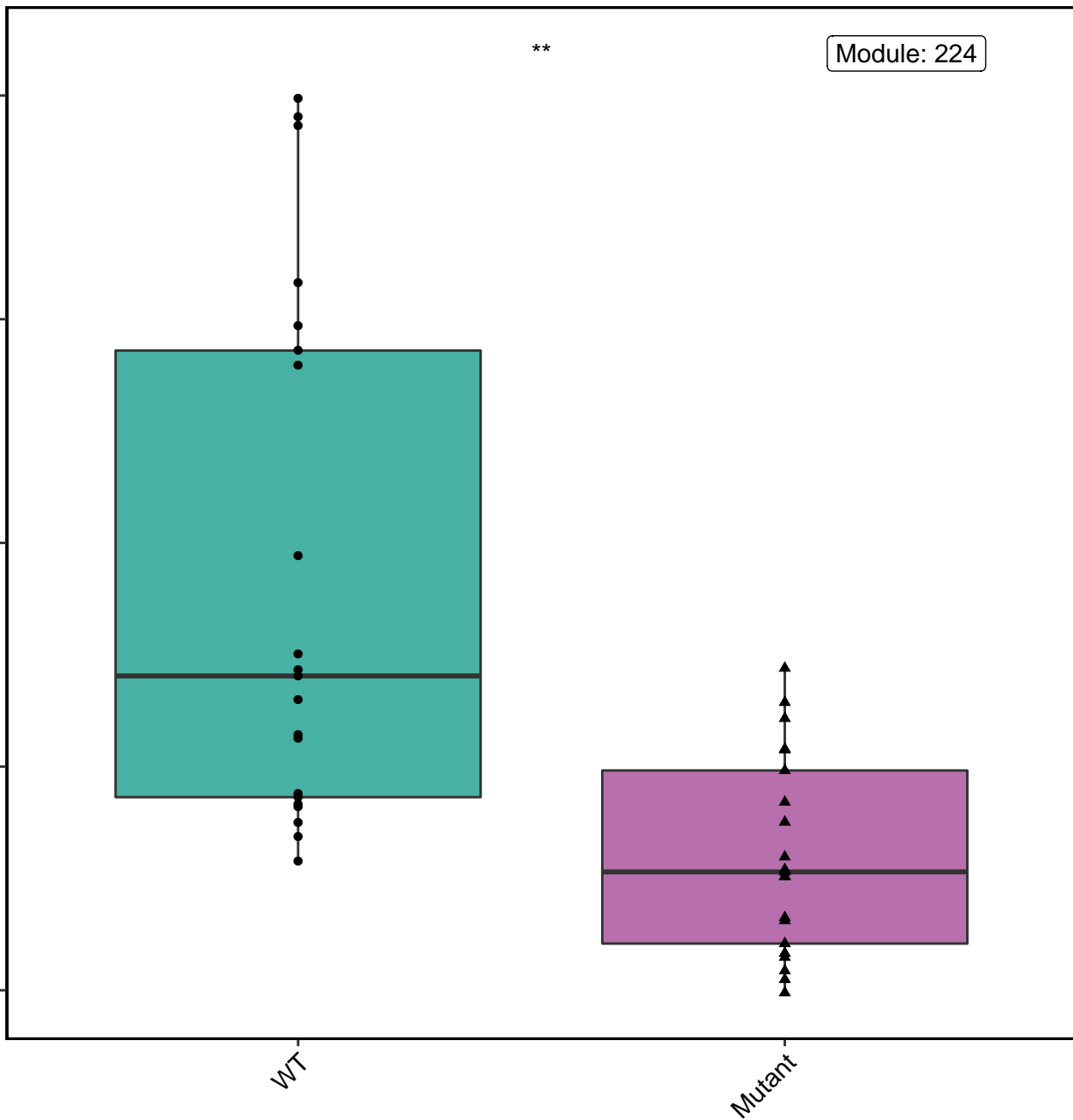


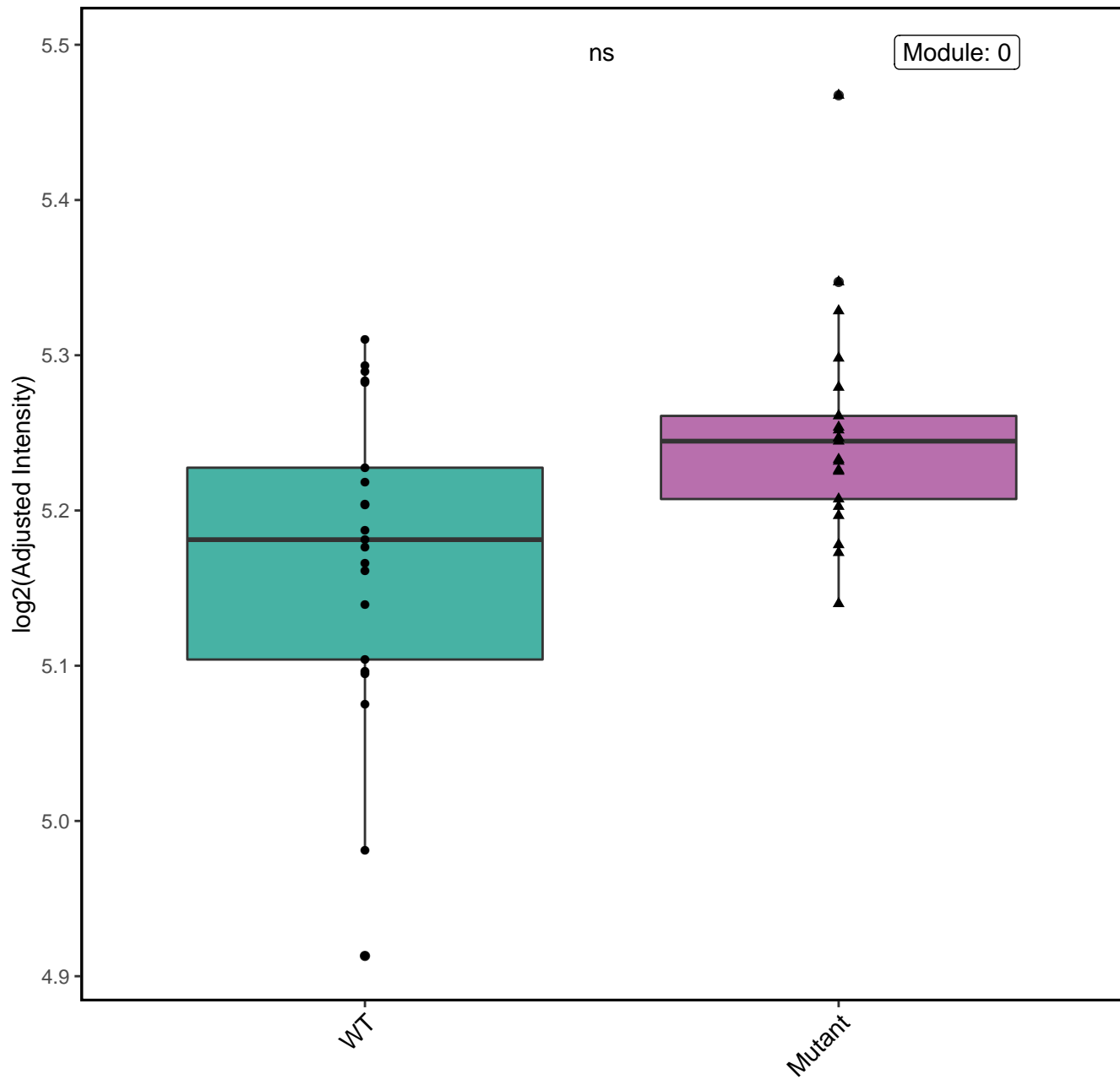
log2(Adjusted Intensity)

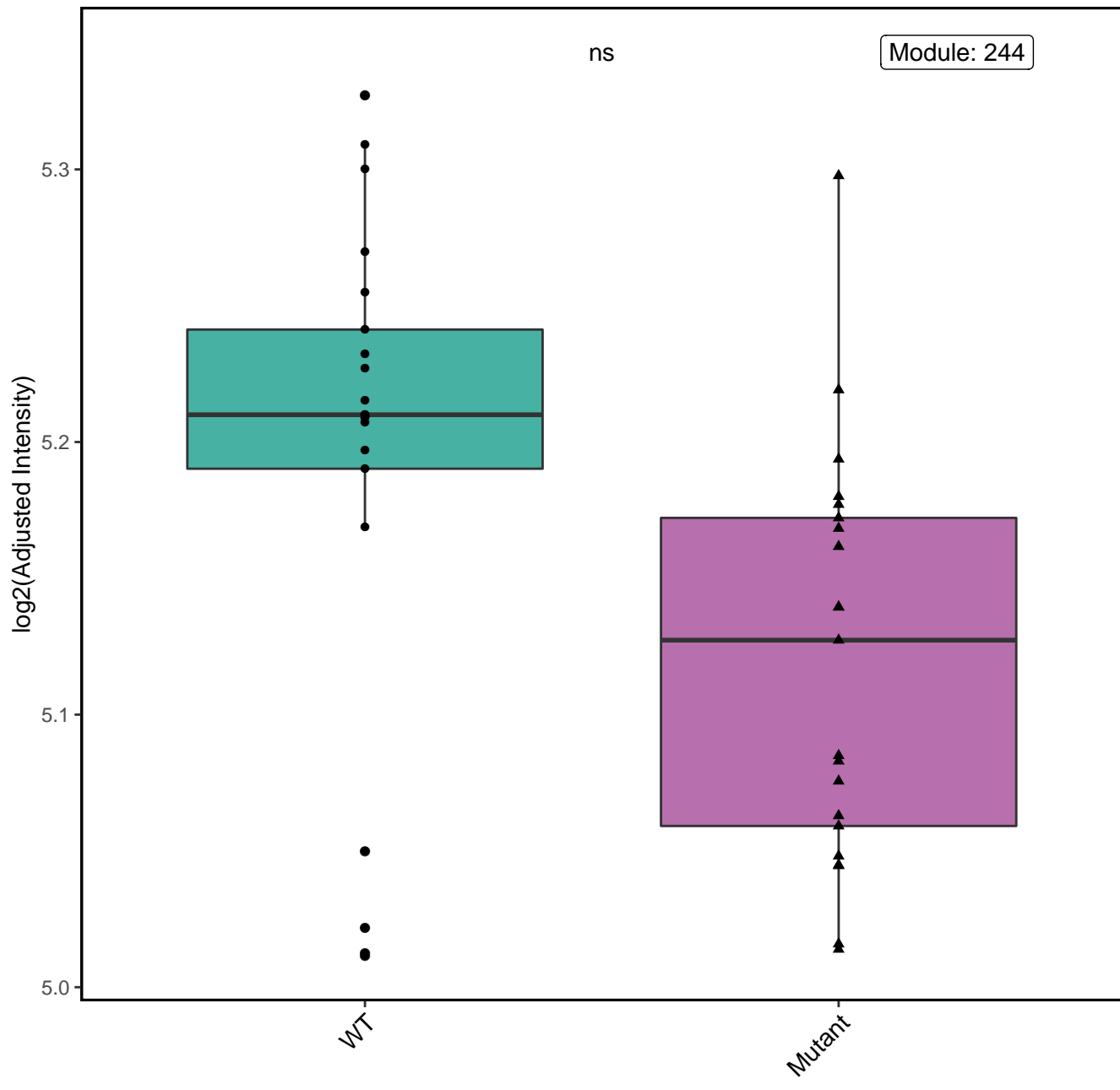
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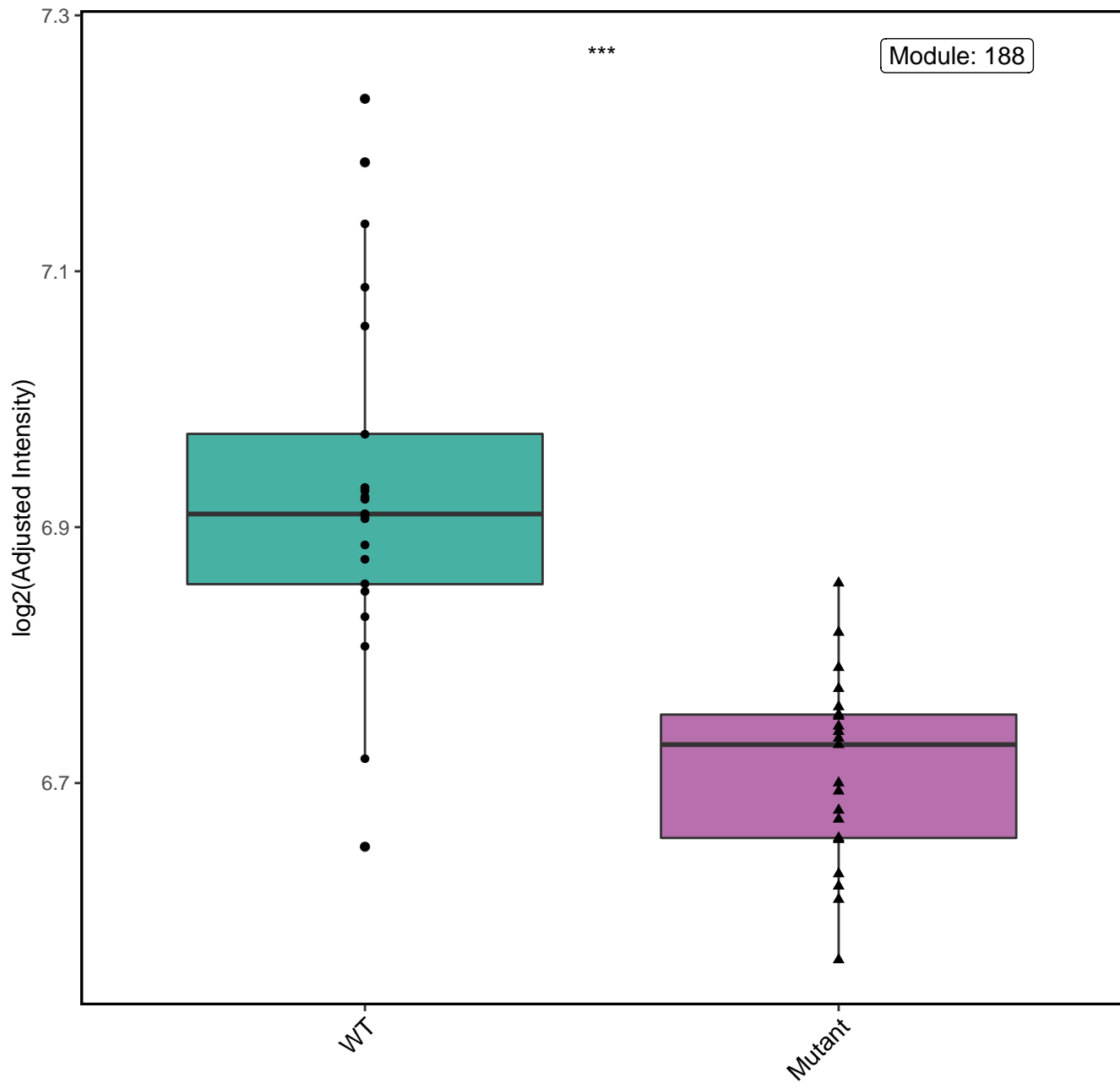
WT

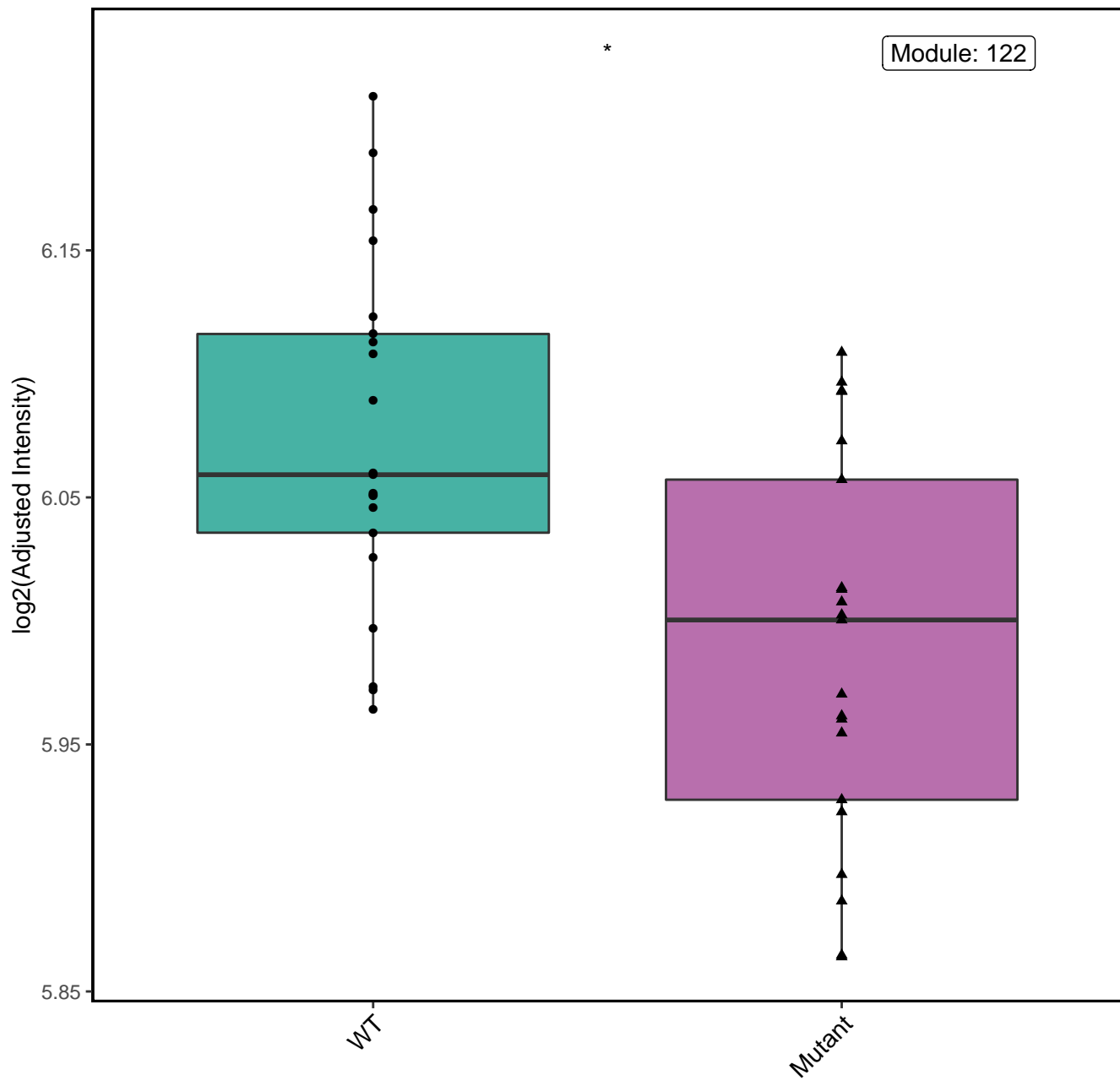
Mutant

4.75  
4.50  
4.25  
4.00  
3.75







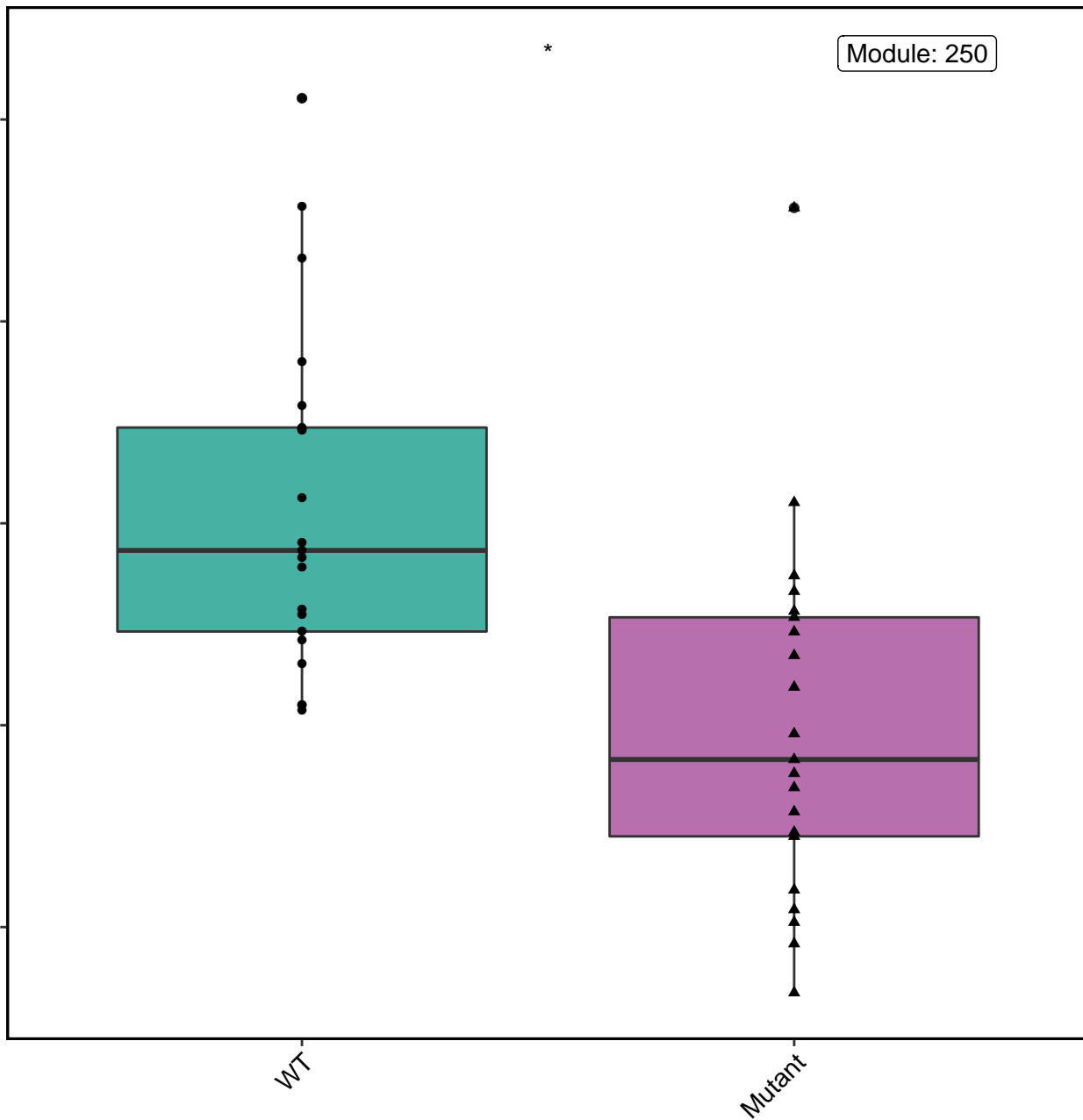


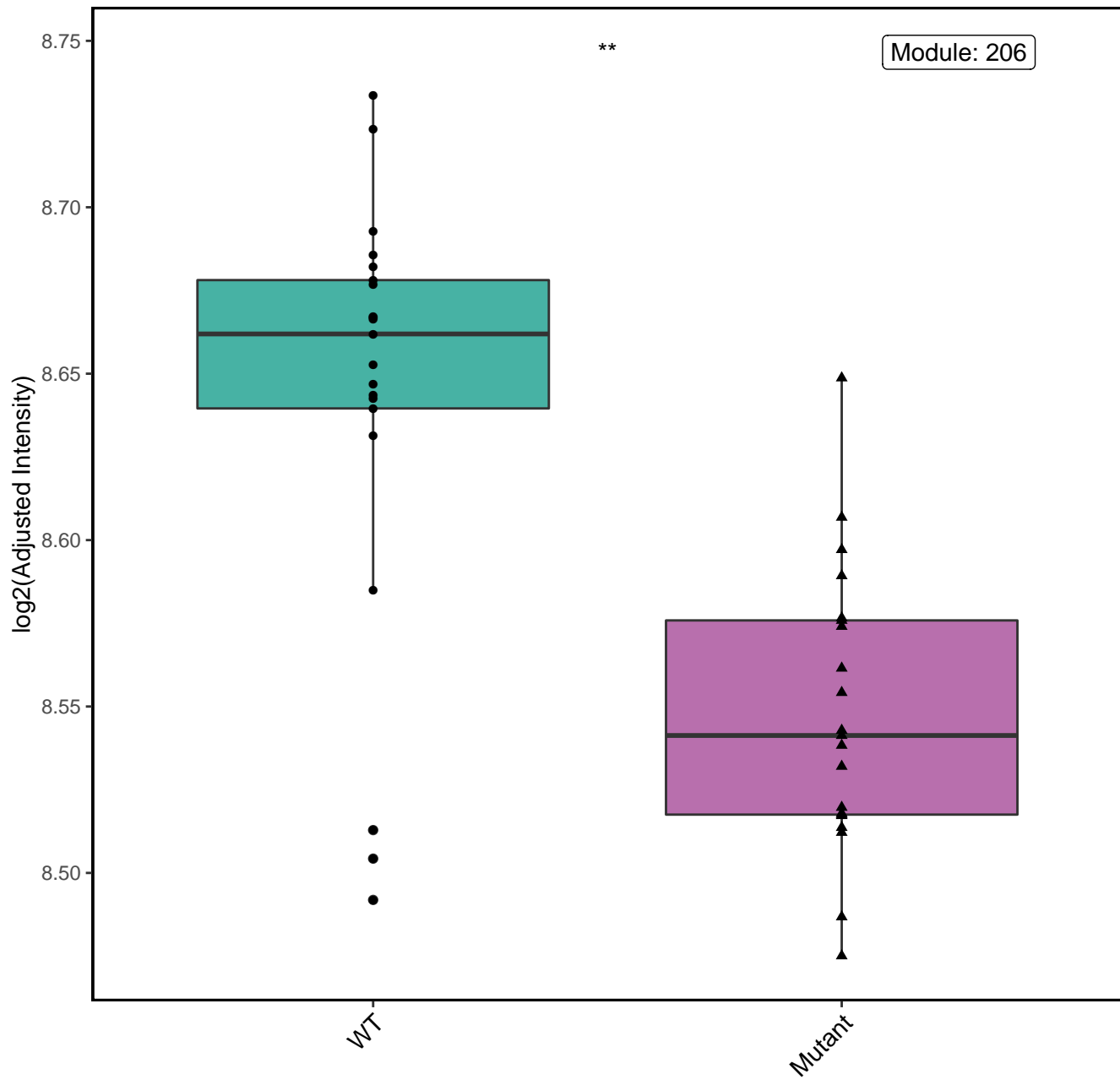
log2(Adjusted Intensity)

WT

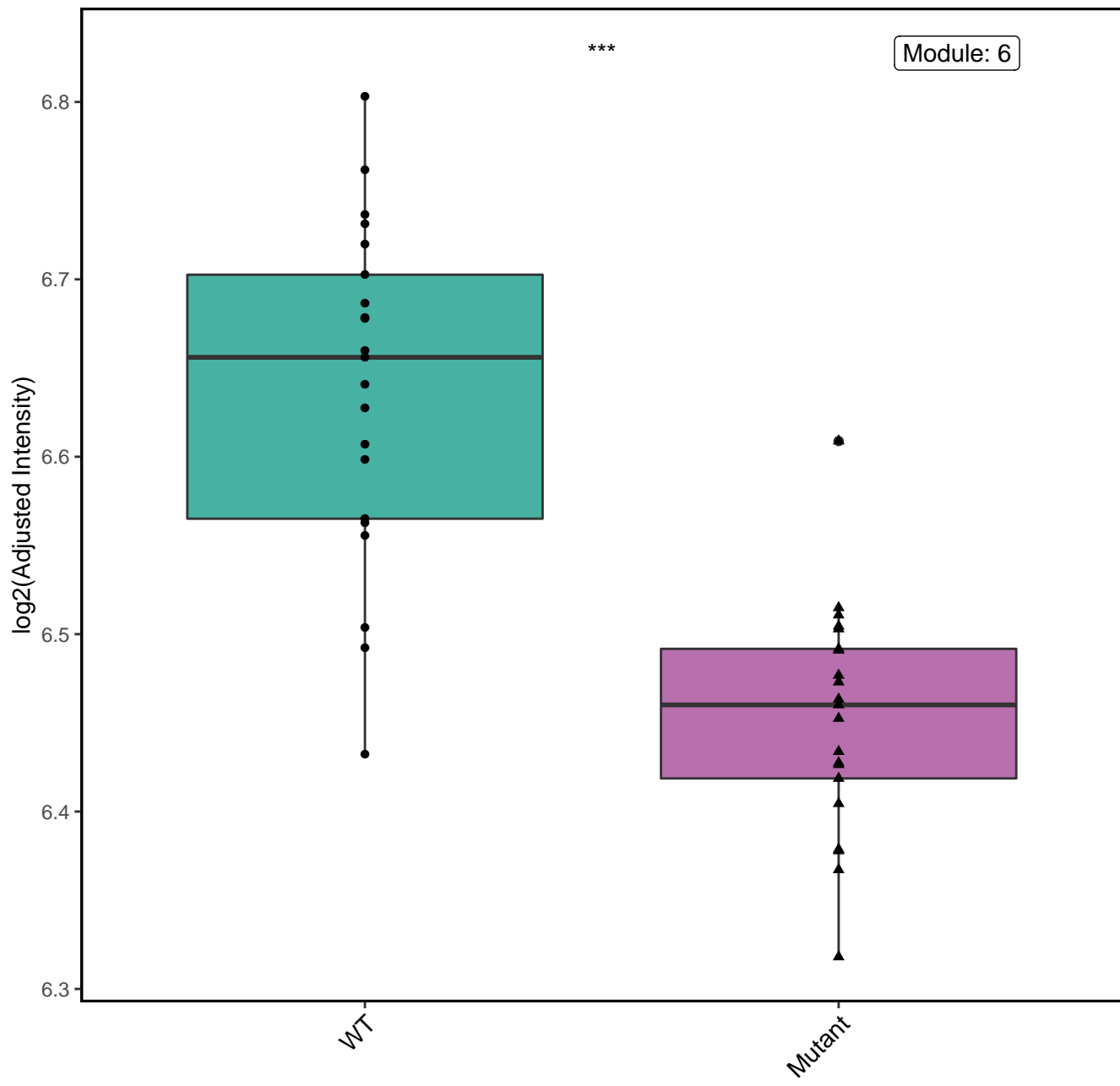
Mutant

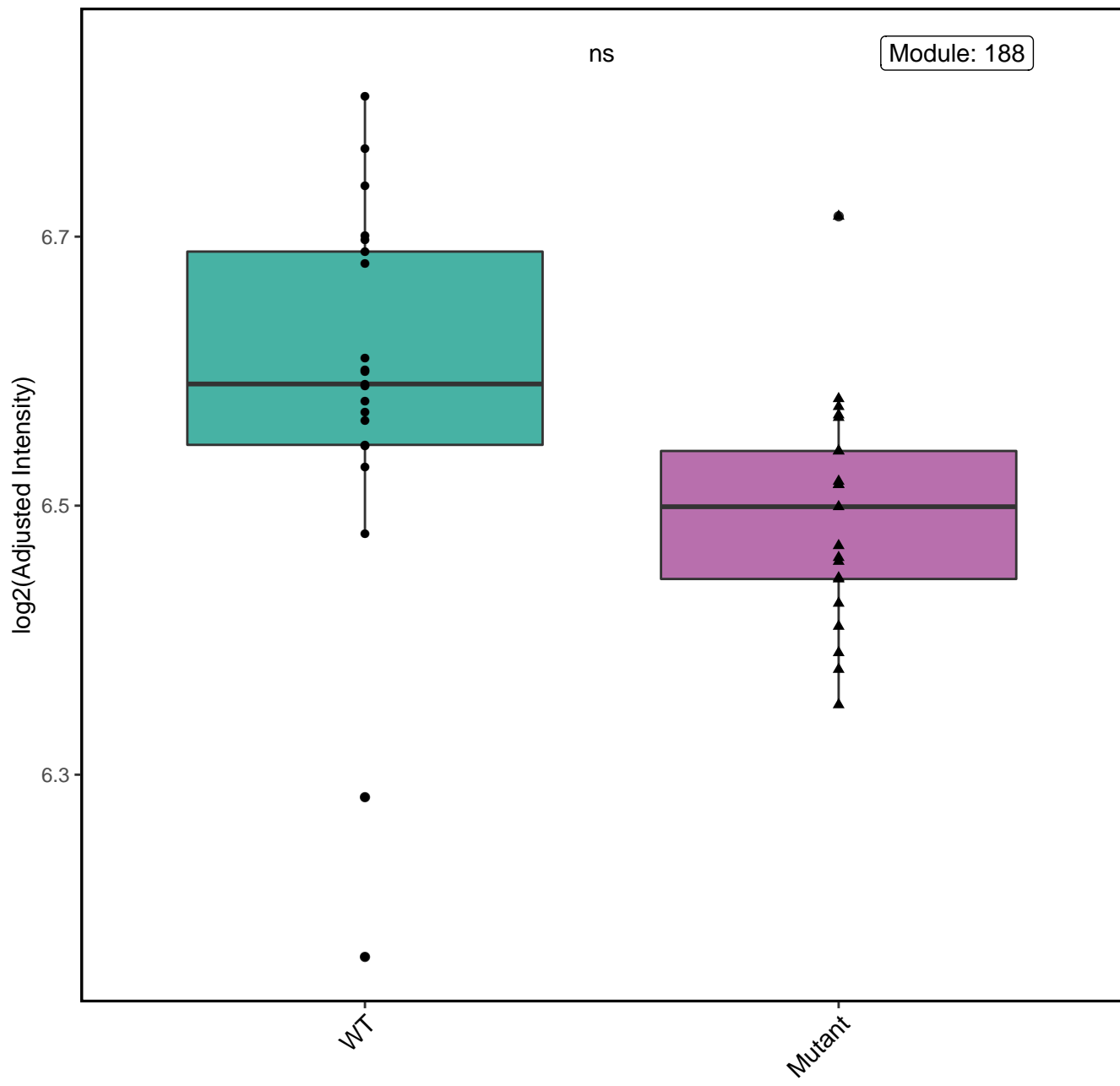
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7.4  
7.3  
7.2  
7.1  
7.0









log2(Adjusted Intensity)

5.6

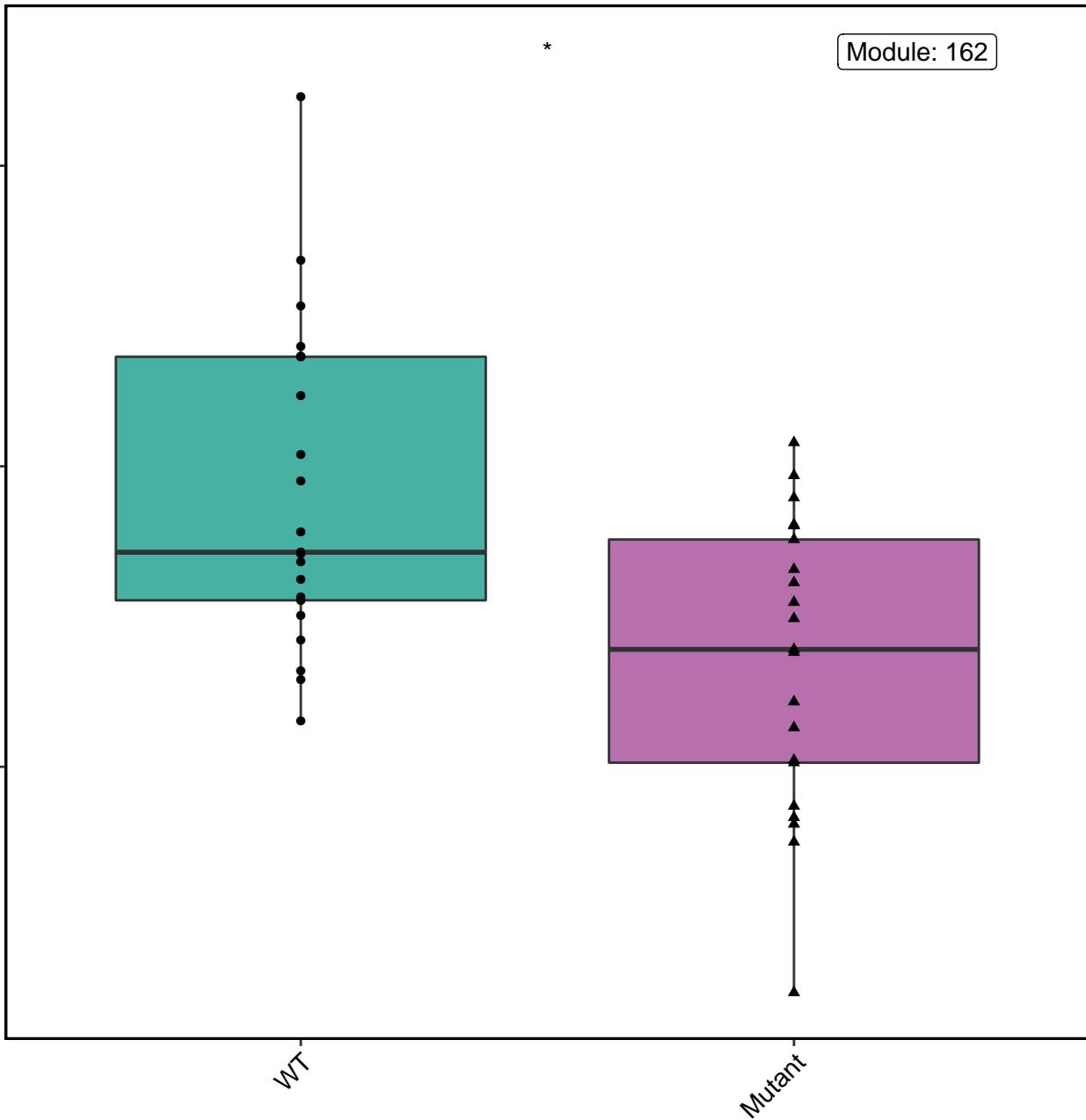
5.4

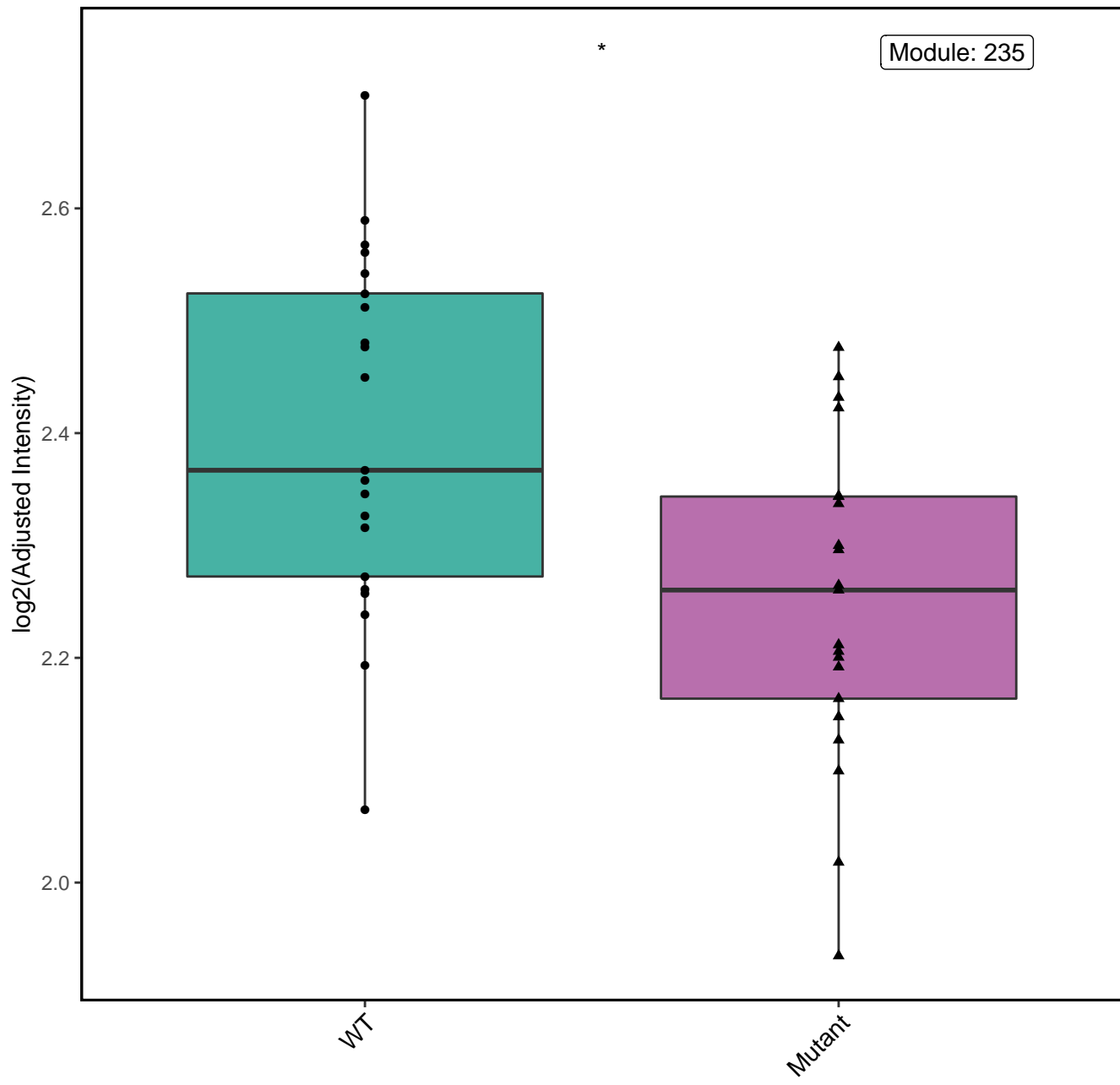
5.2

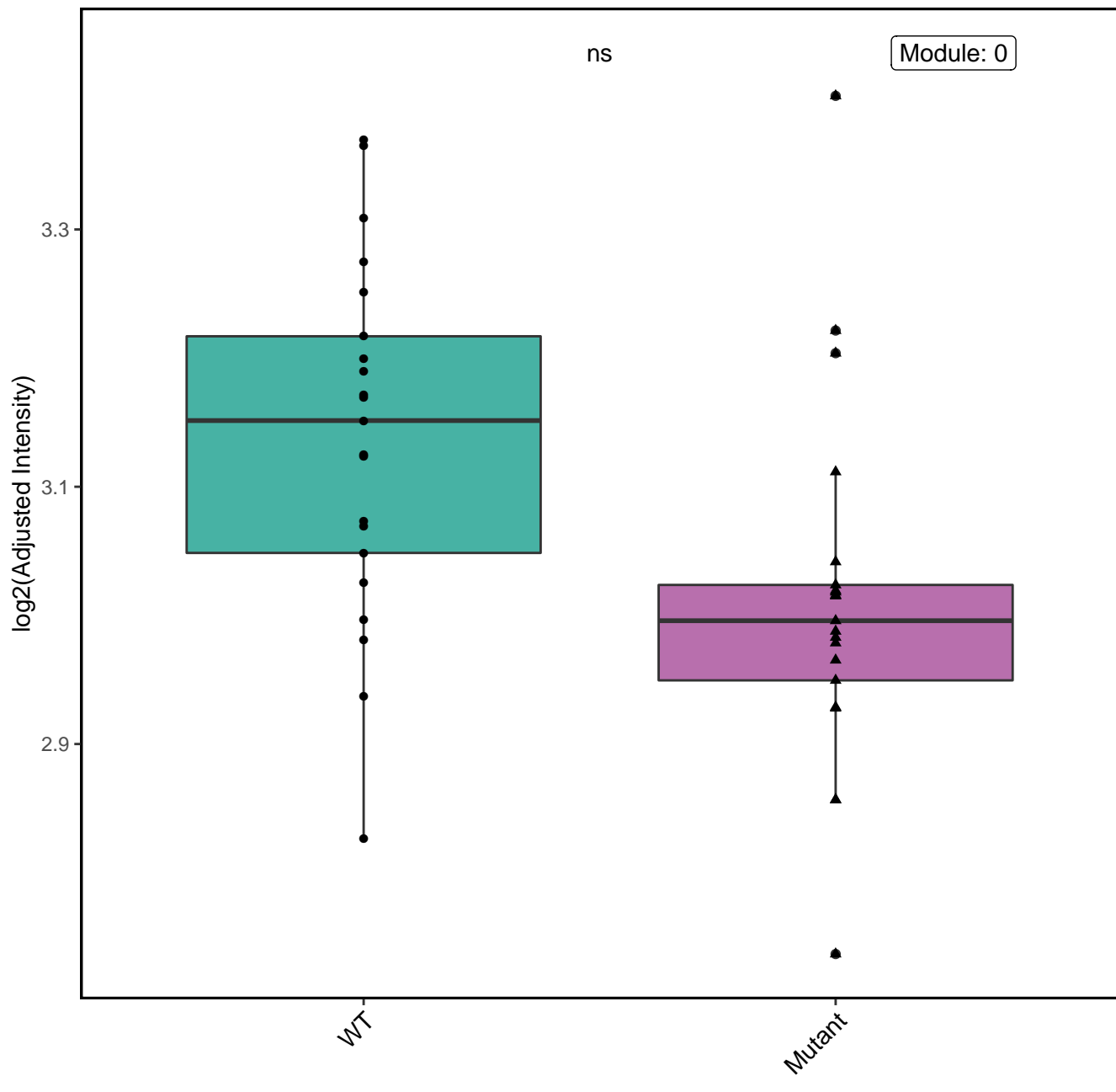
WT

Mutant

\*







log2(Adjusted Intensity)

7.3

7.2

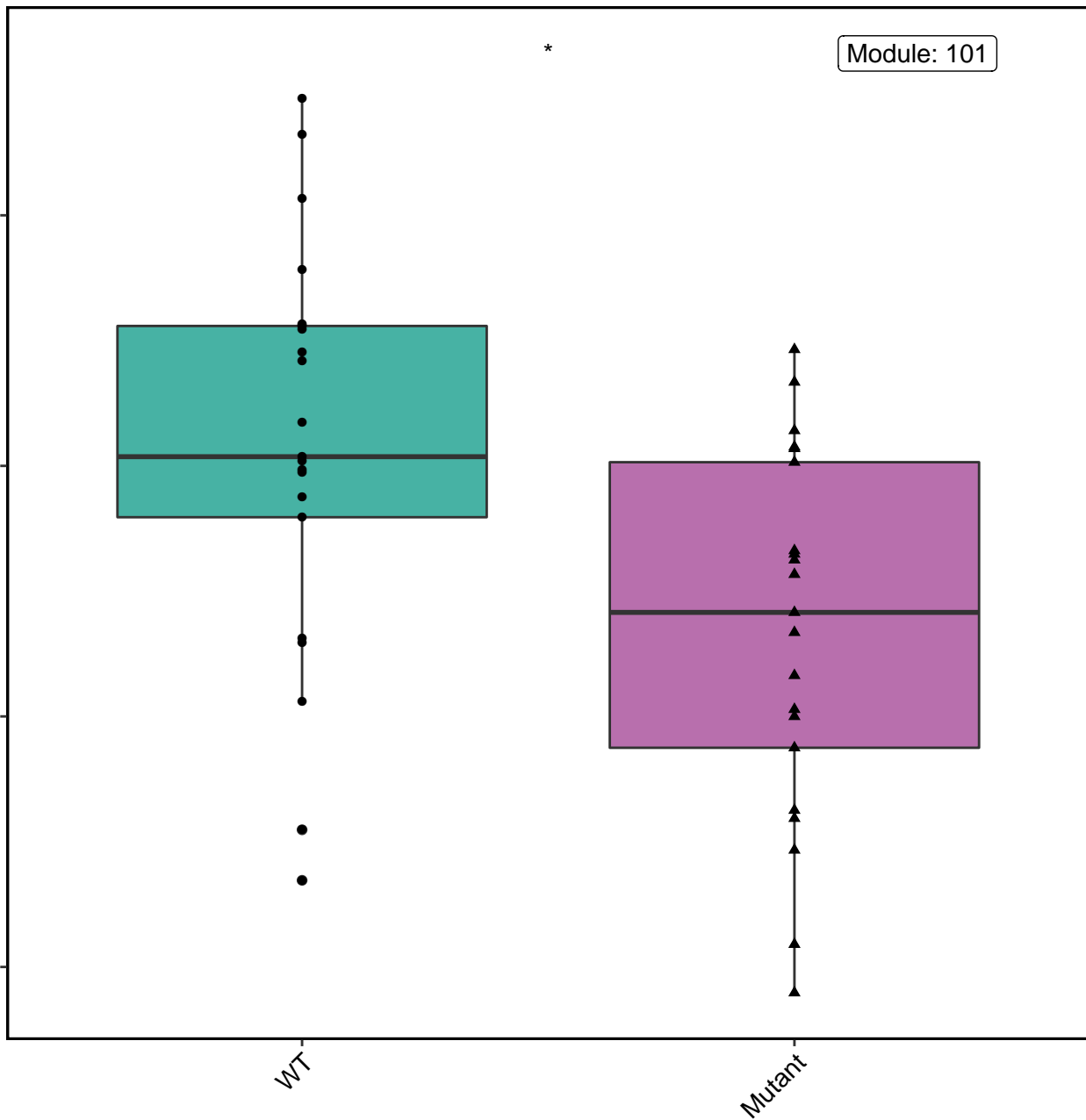
7.1

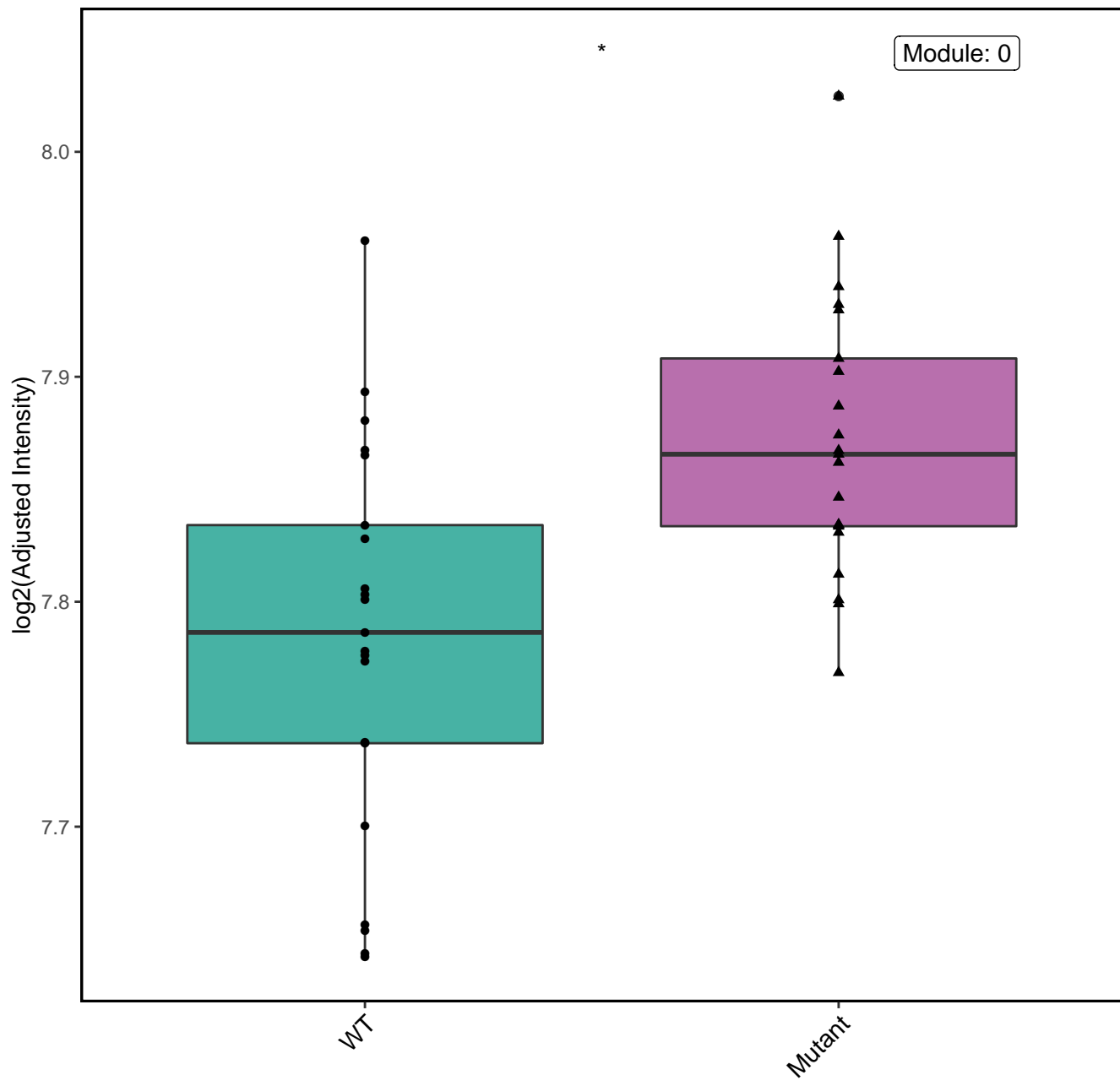
7.0

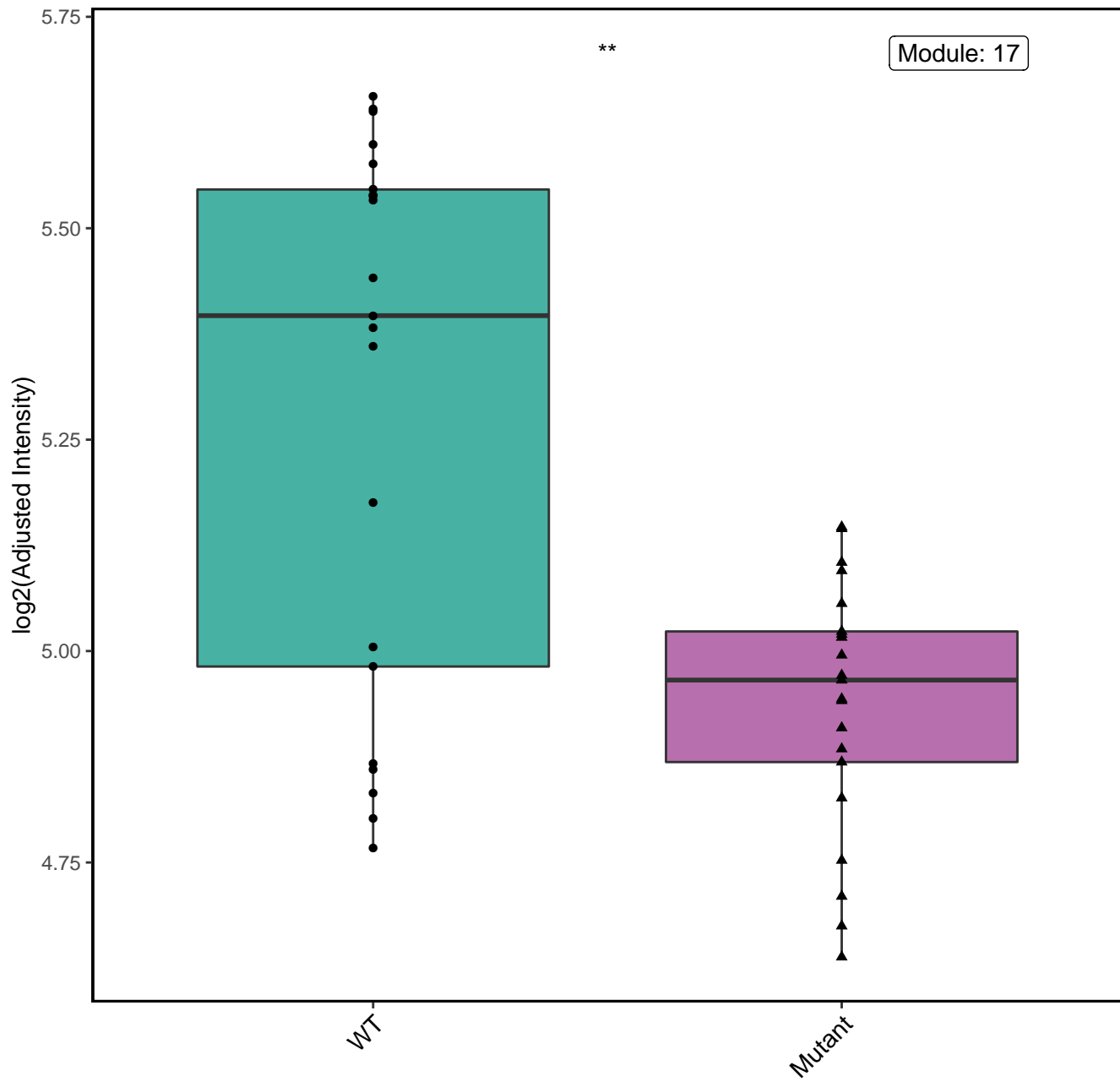
WT

Mutant

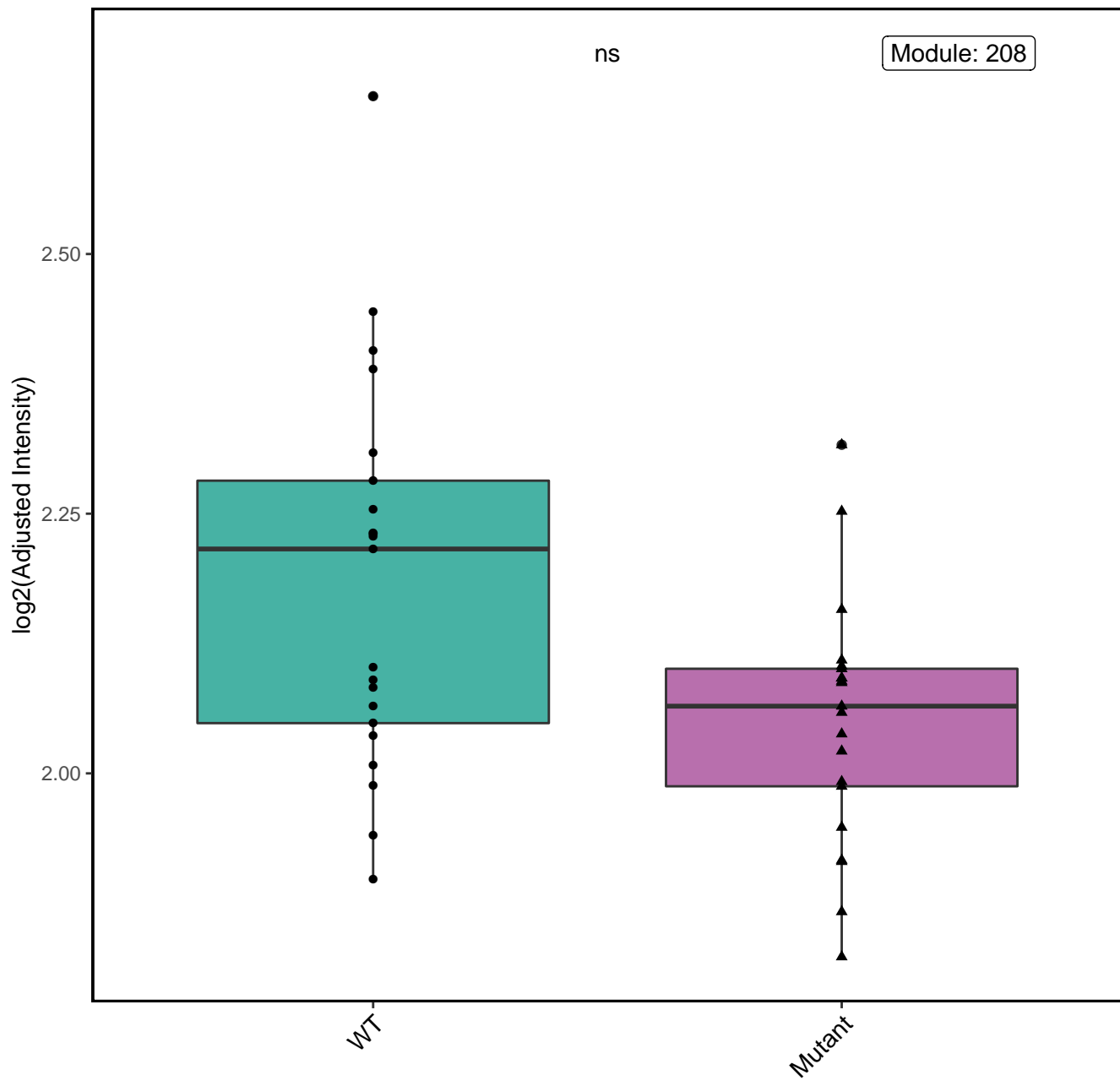
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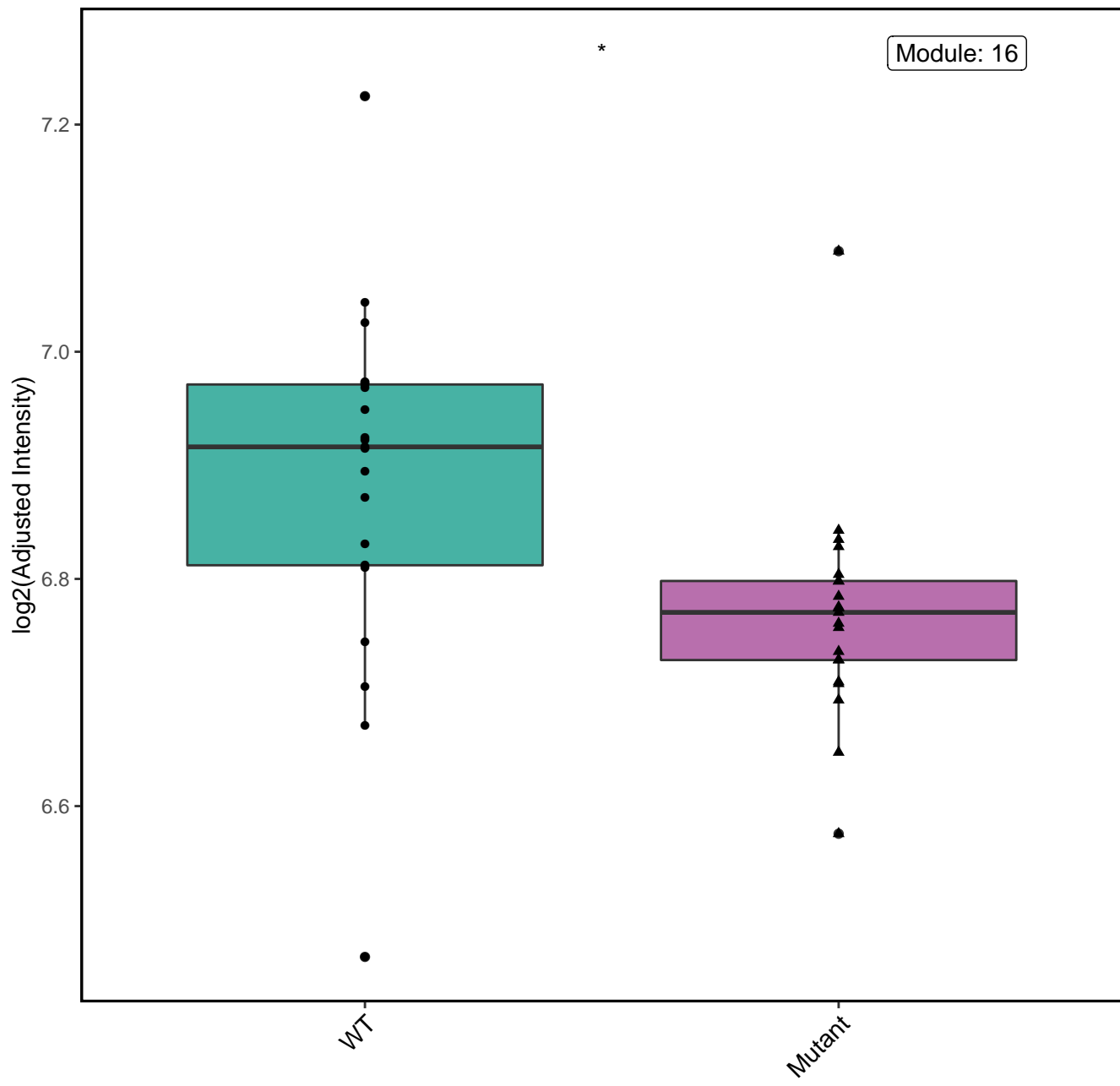


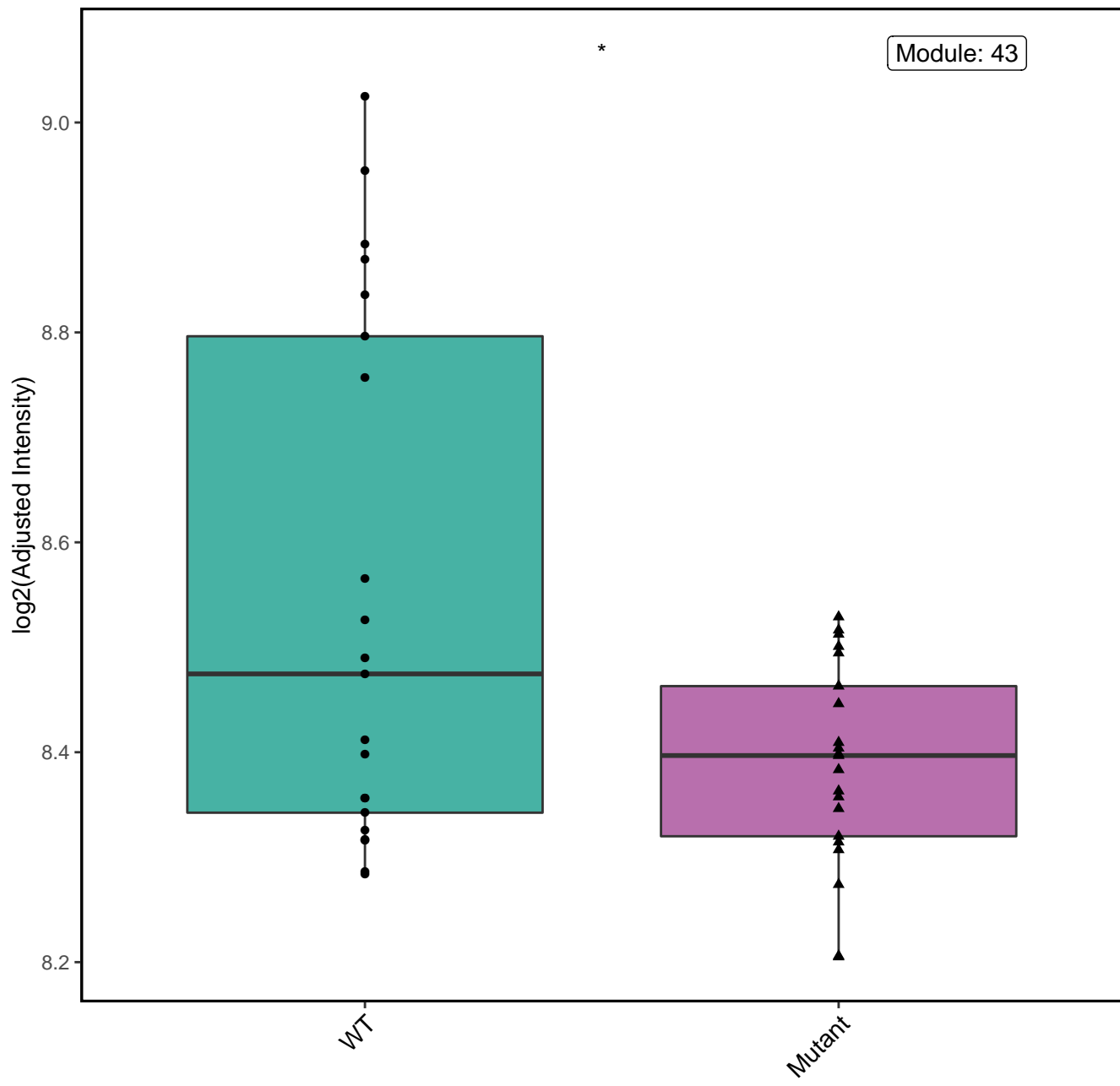


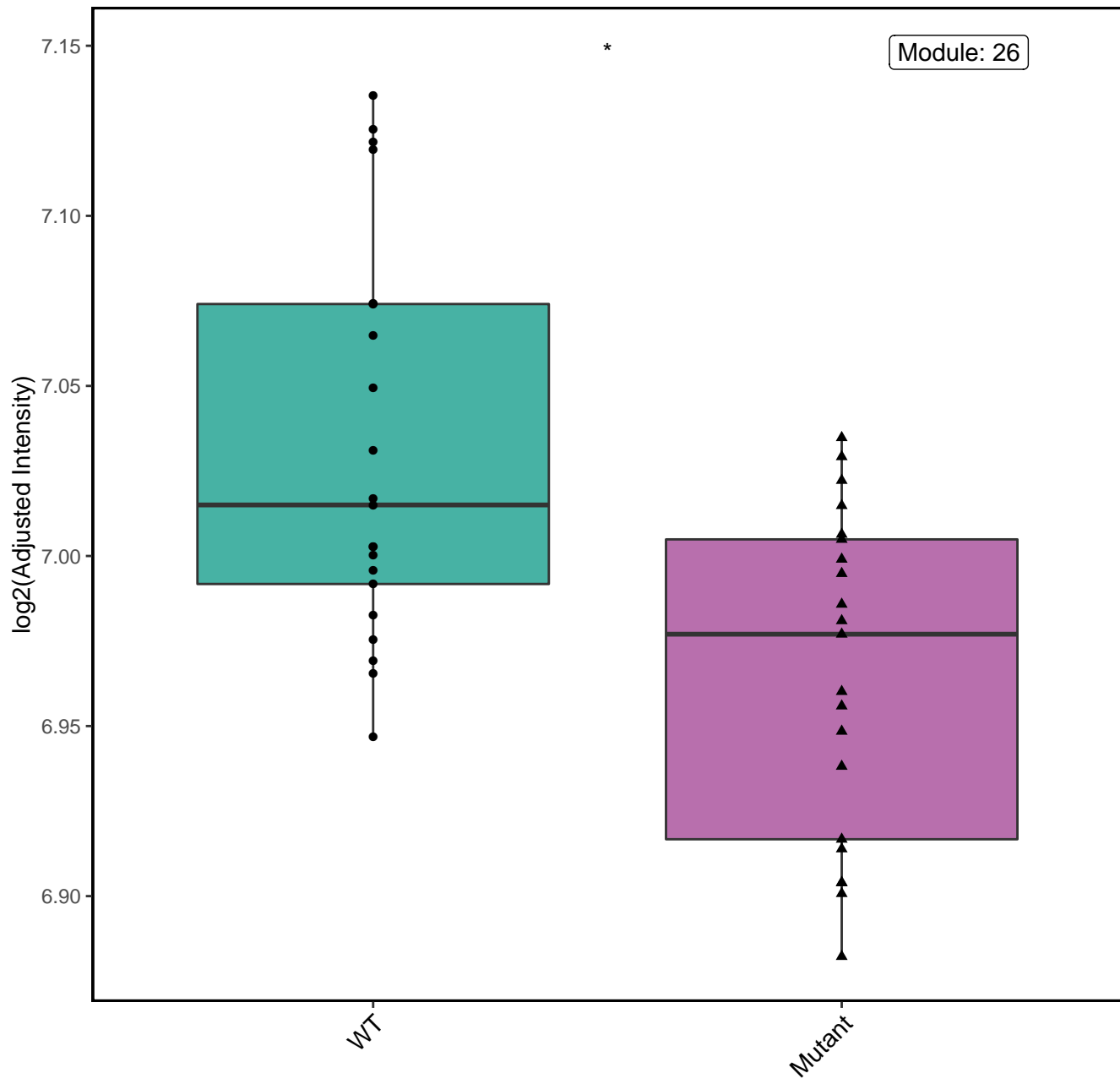


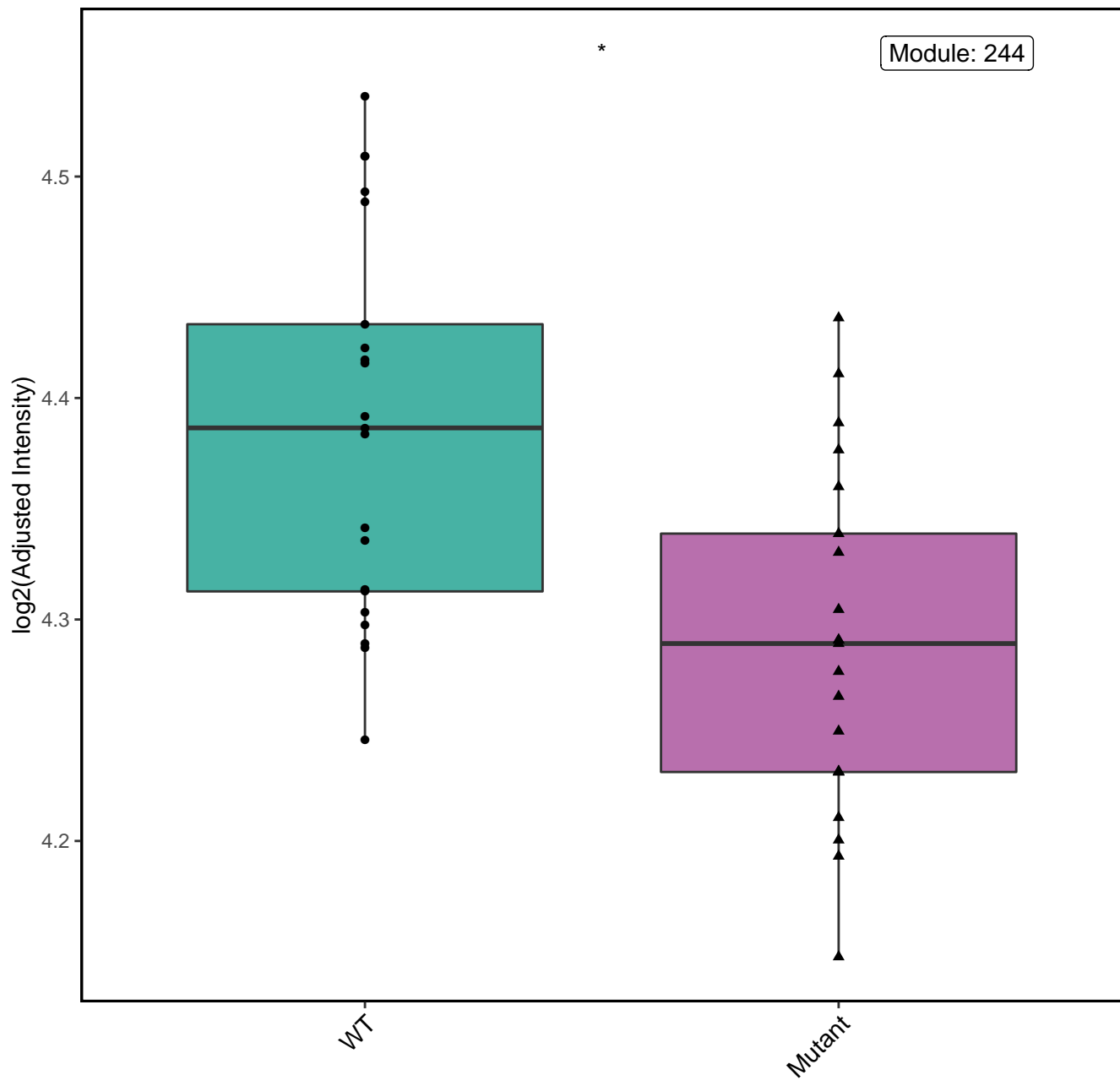


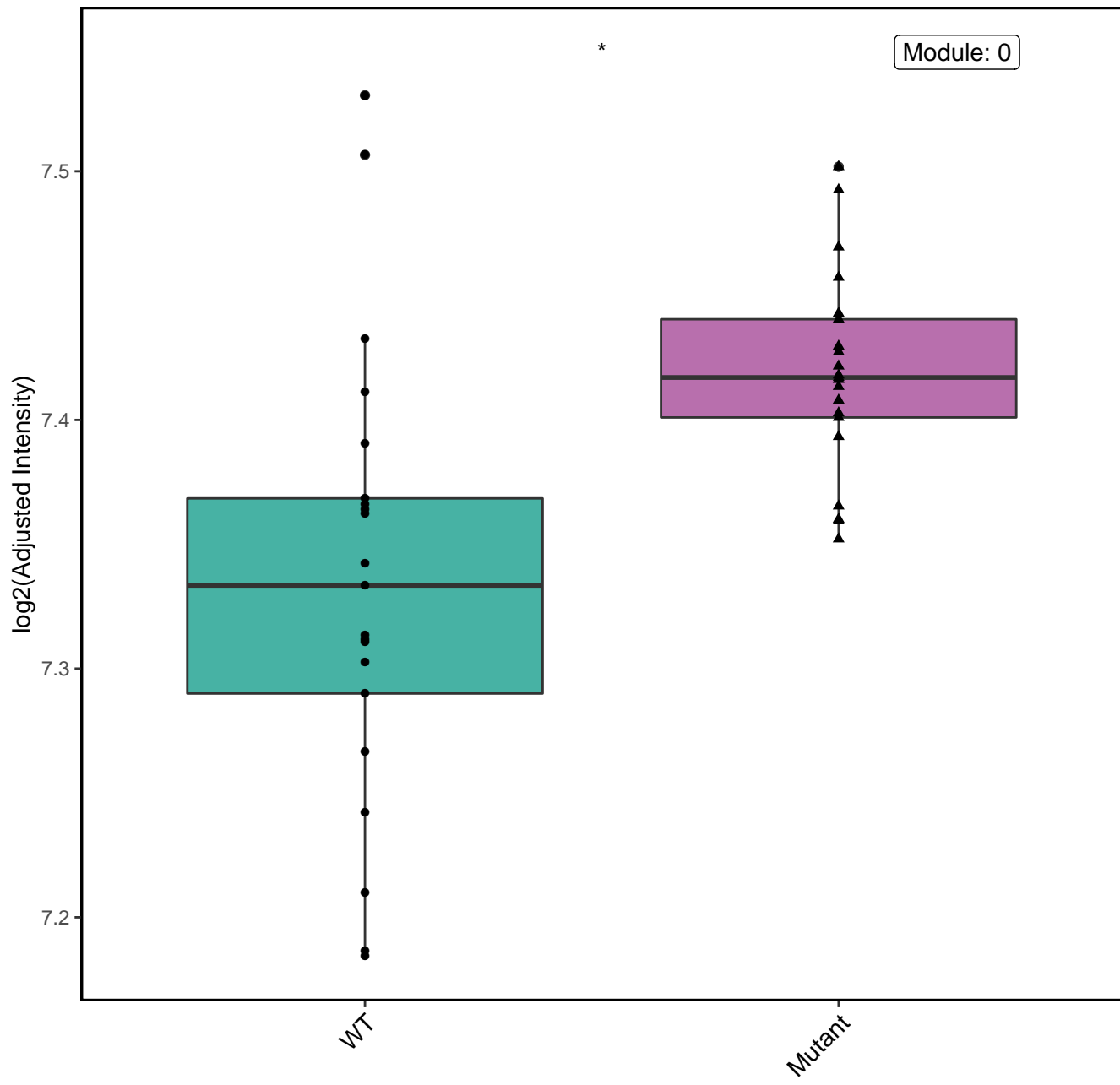


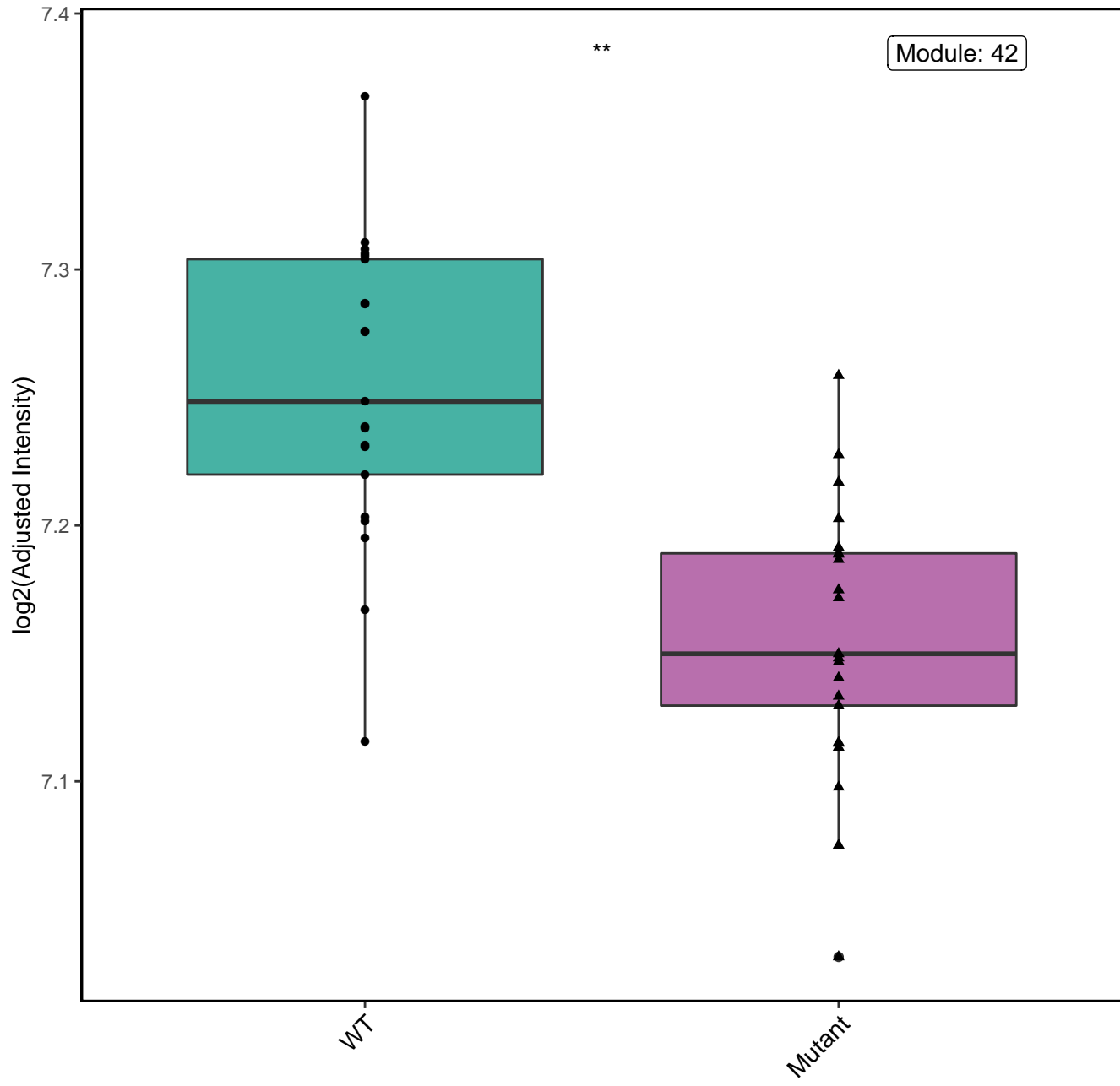


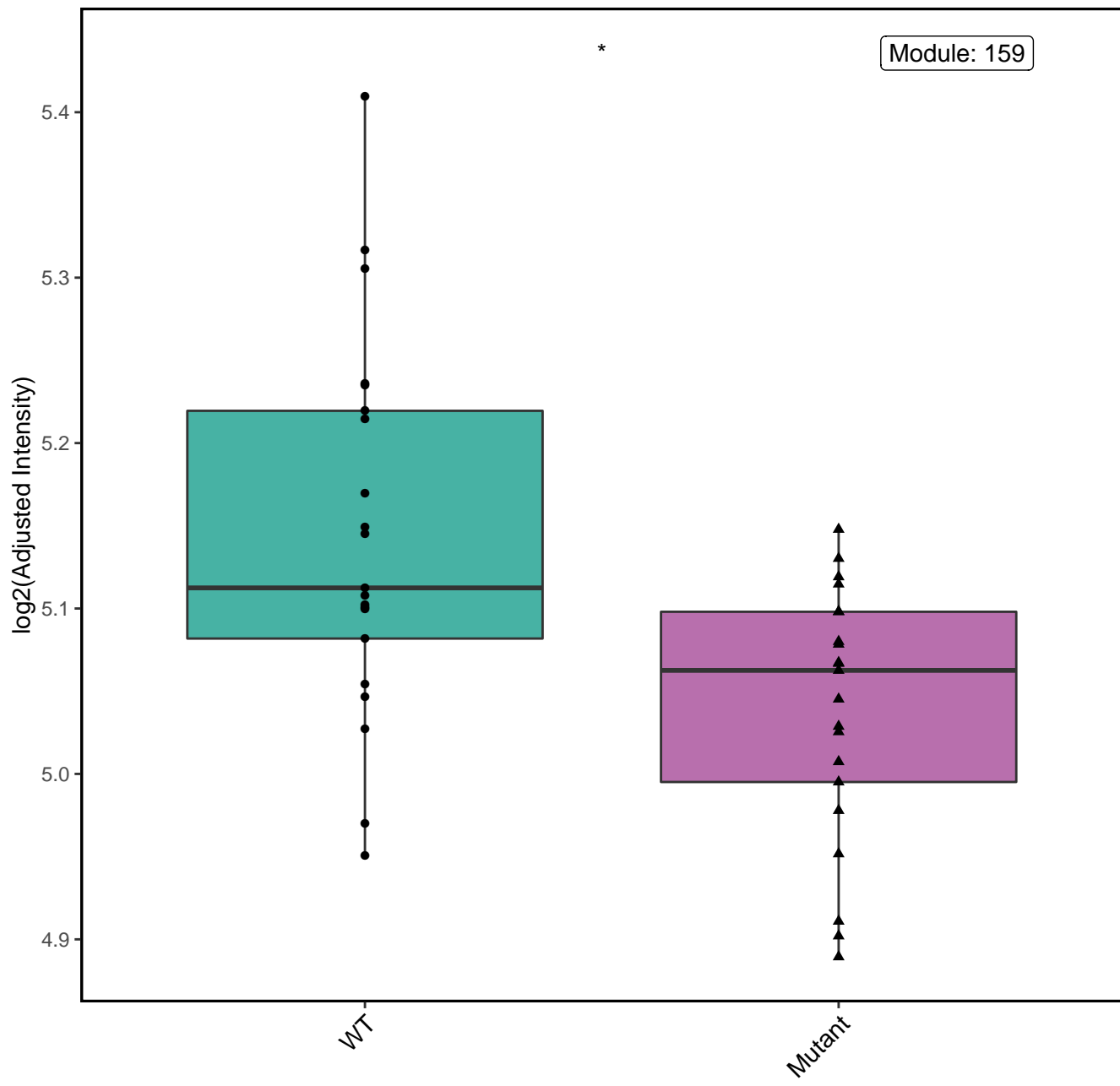




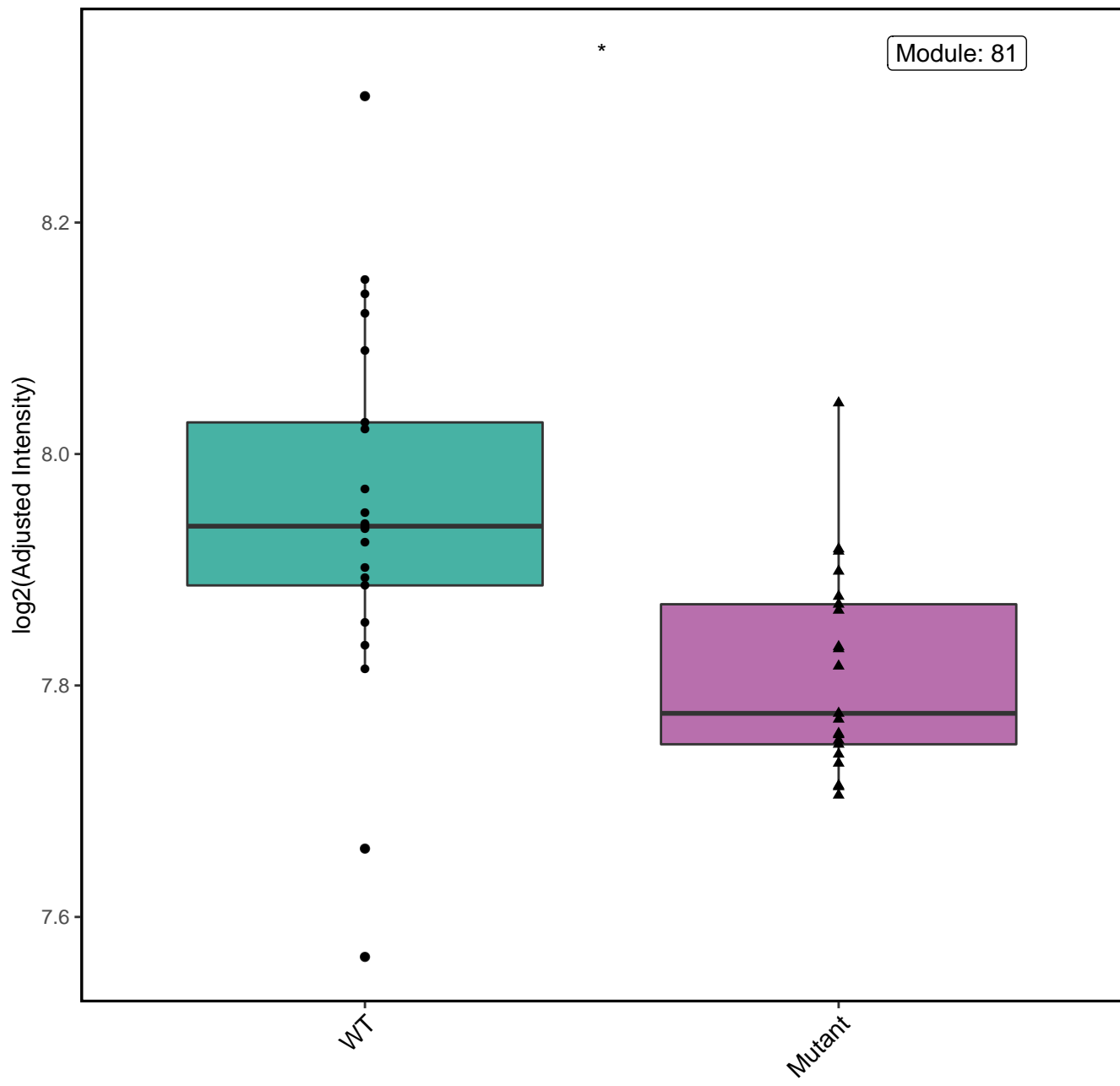


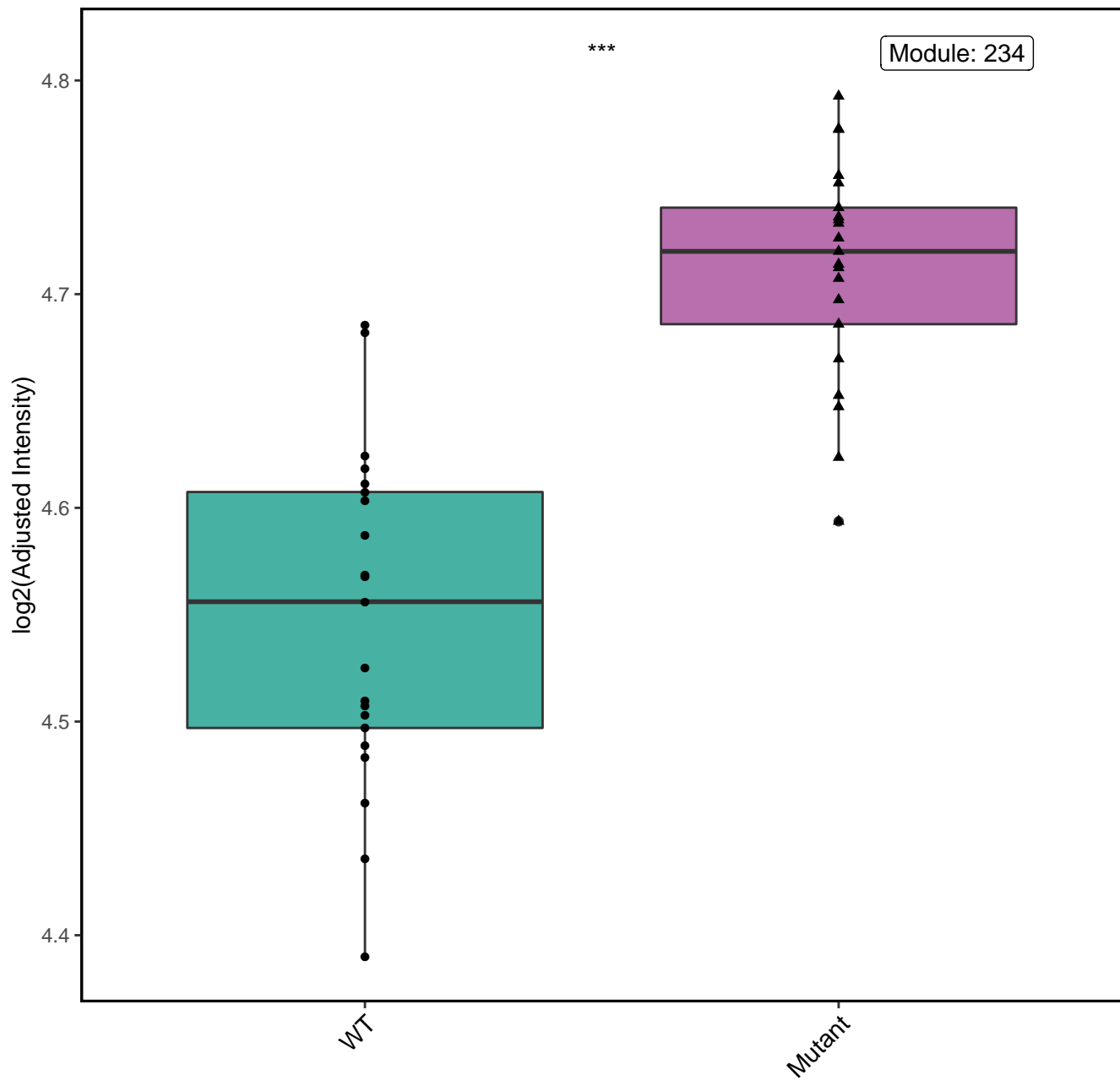


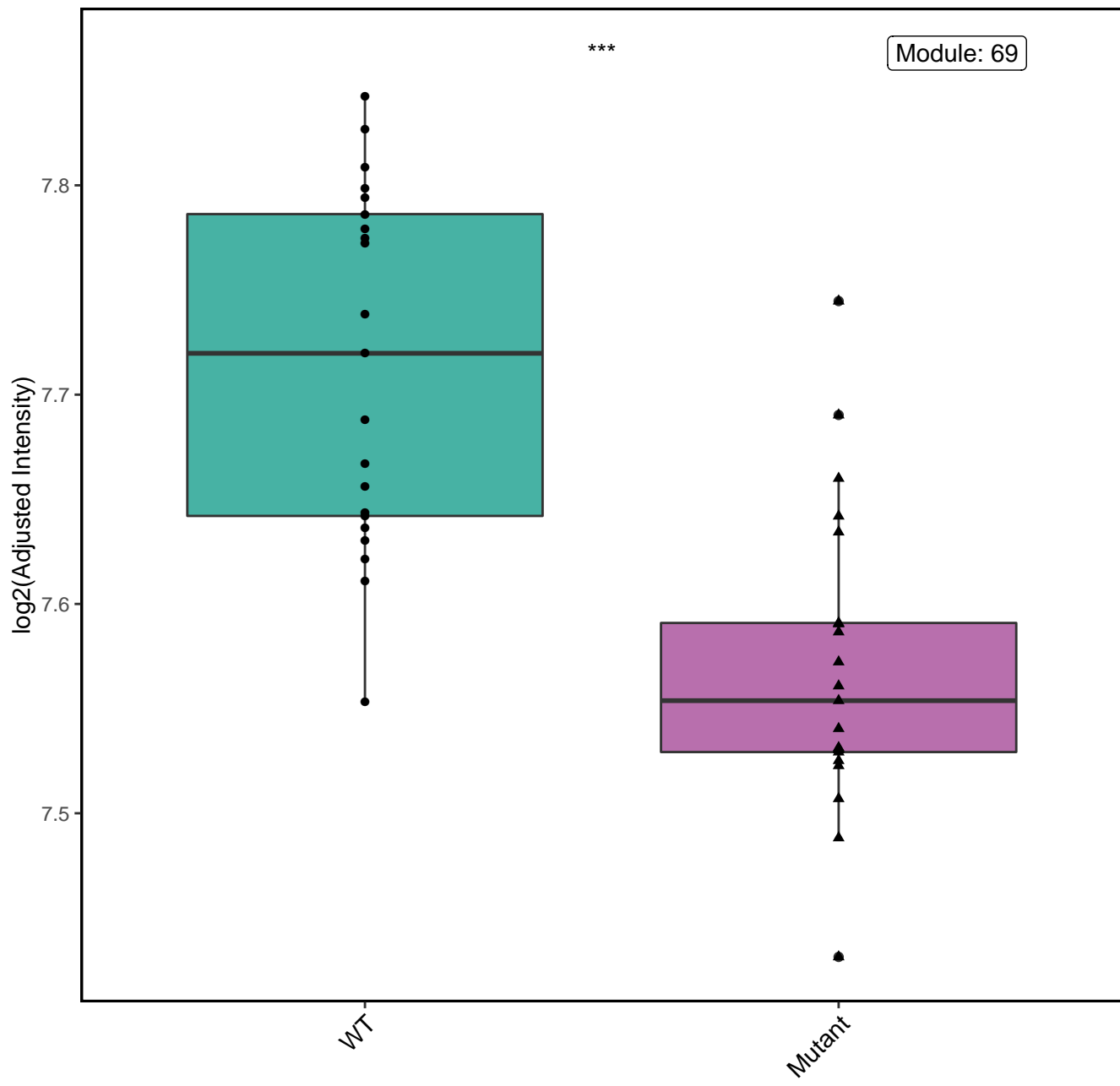


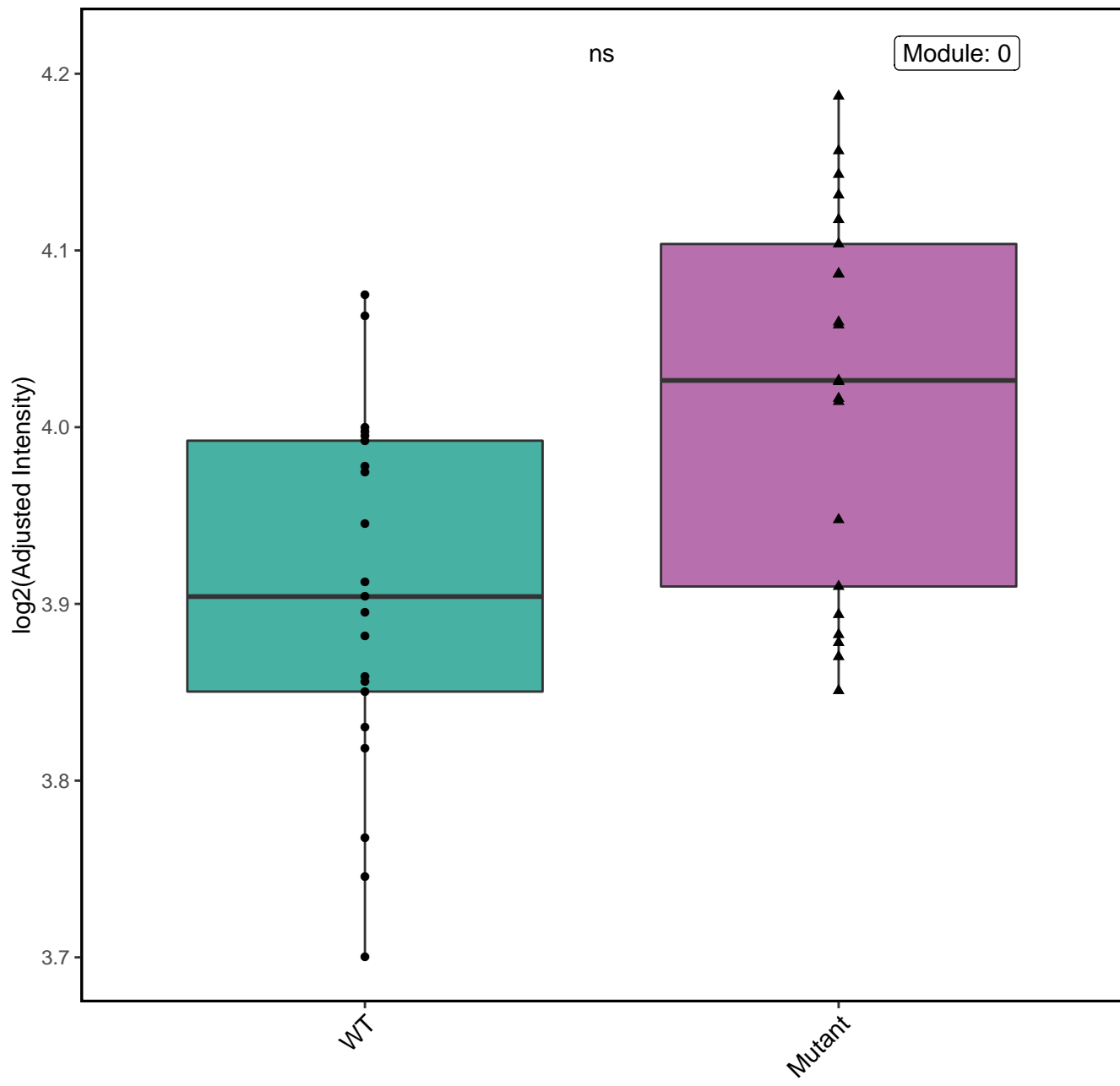










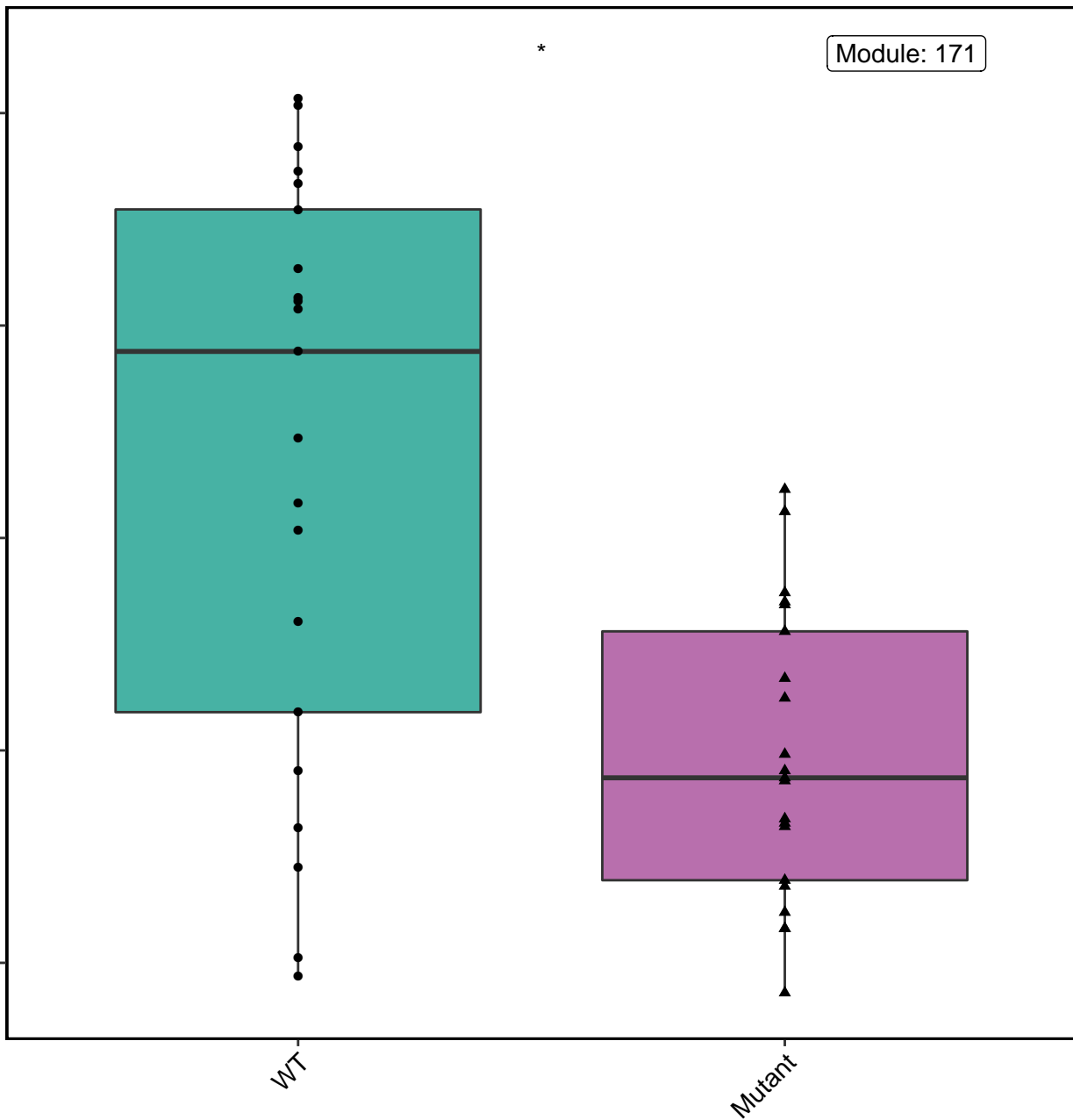


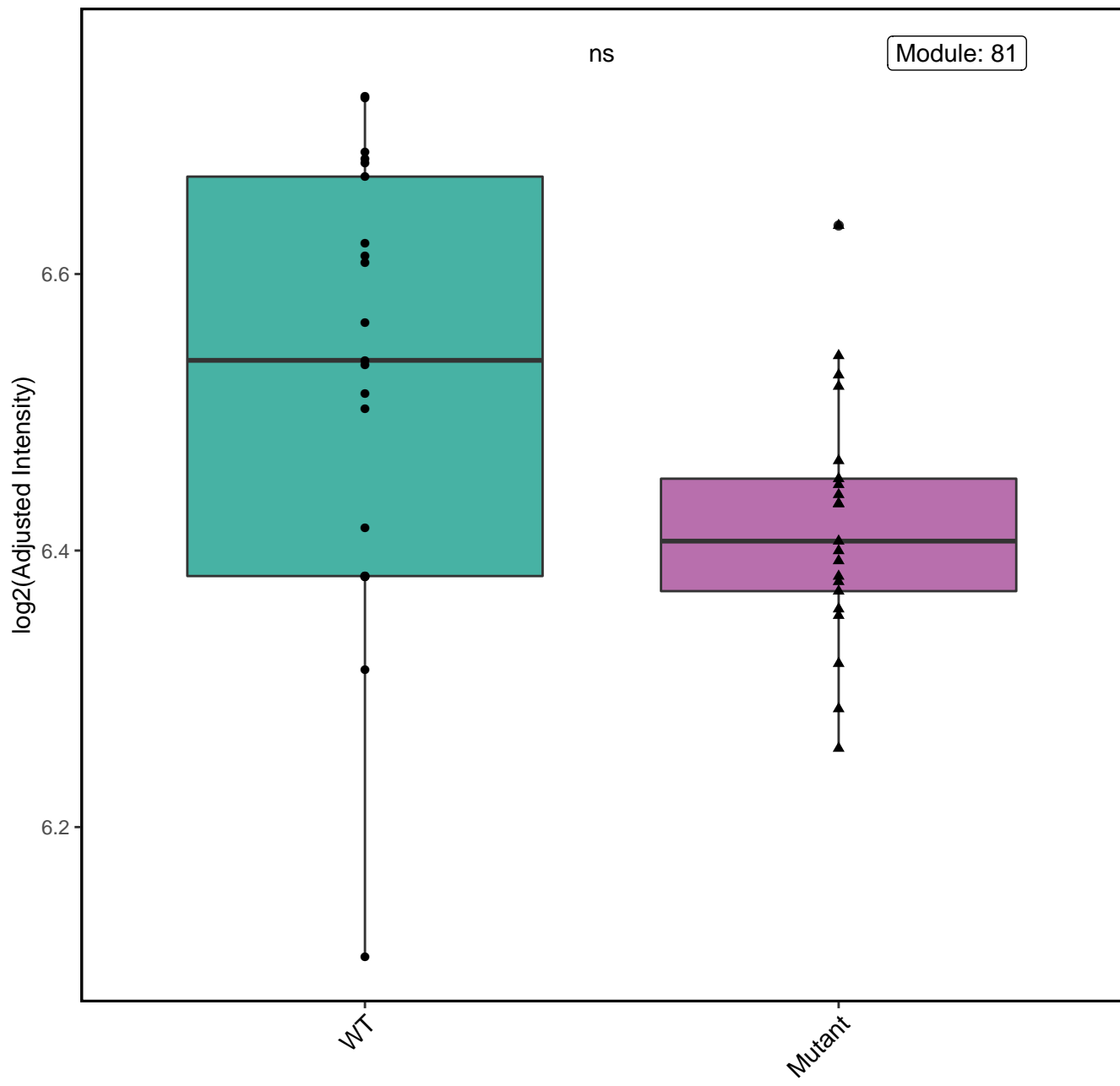
log2(Adjusted Intensity)

\*

WT

Mutant

8.85  
8.80  
8.75  
8.70  
8.65



log2(Adjusted Intensity)

7.7

7.6

7.5

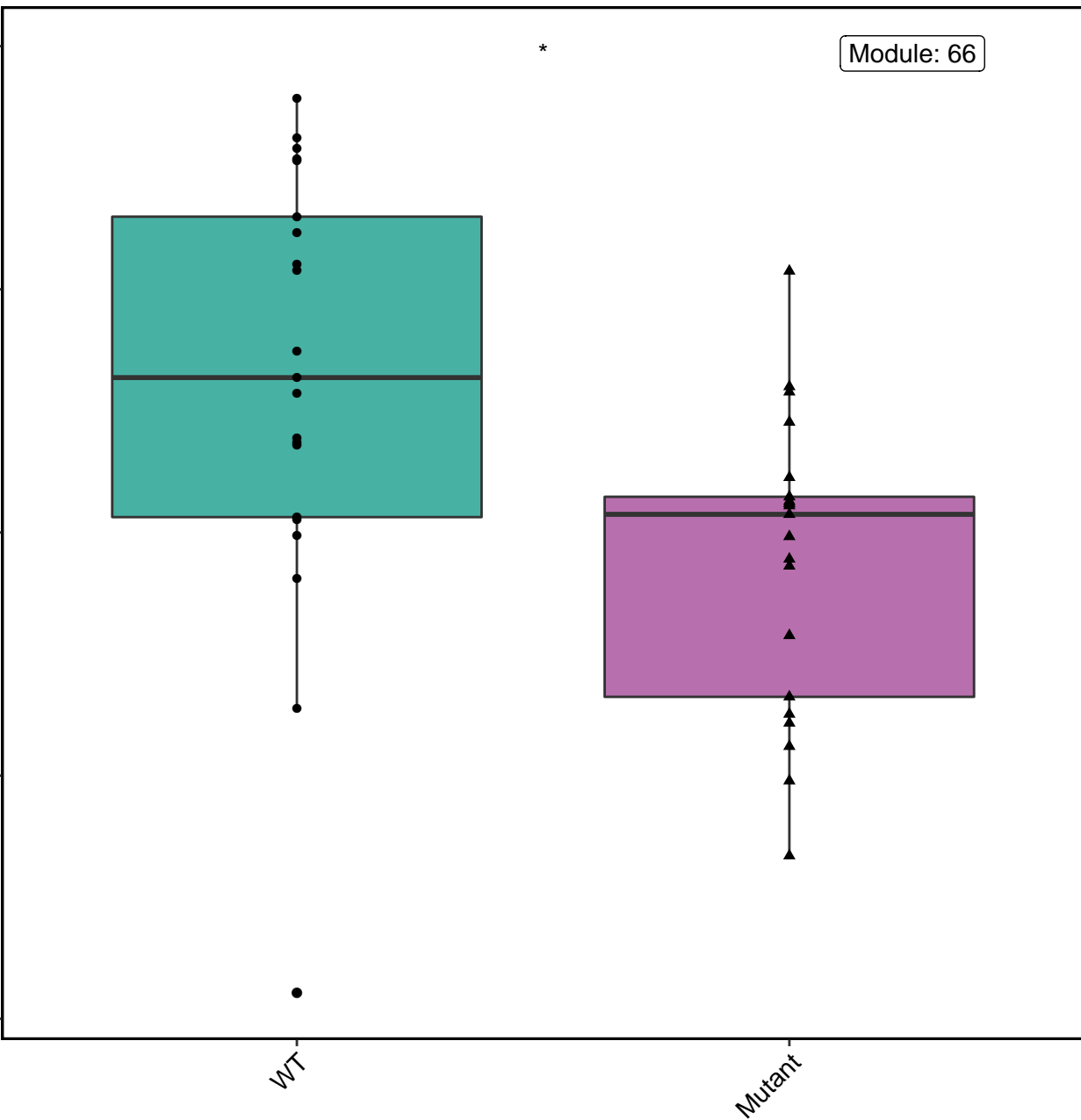
7.4

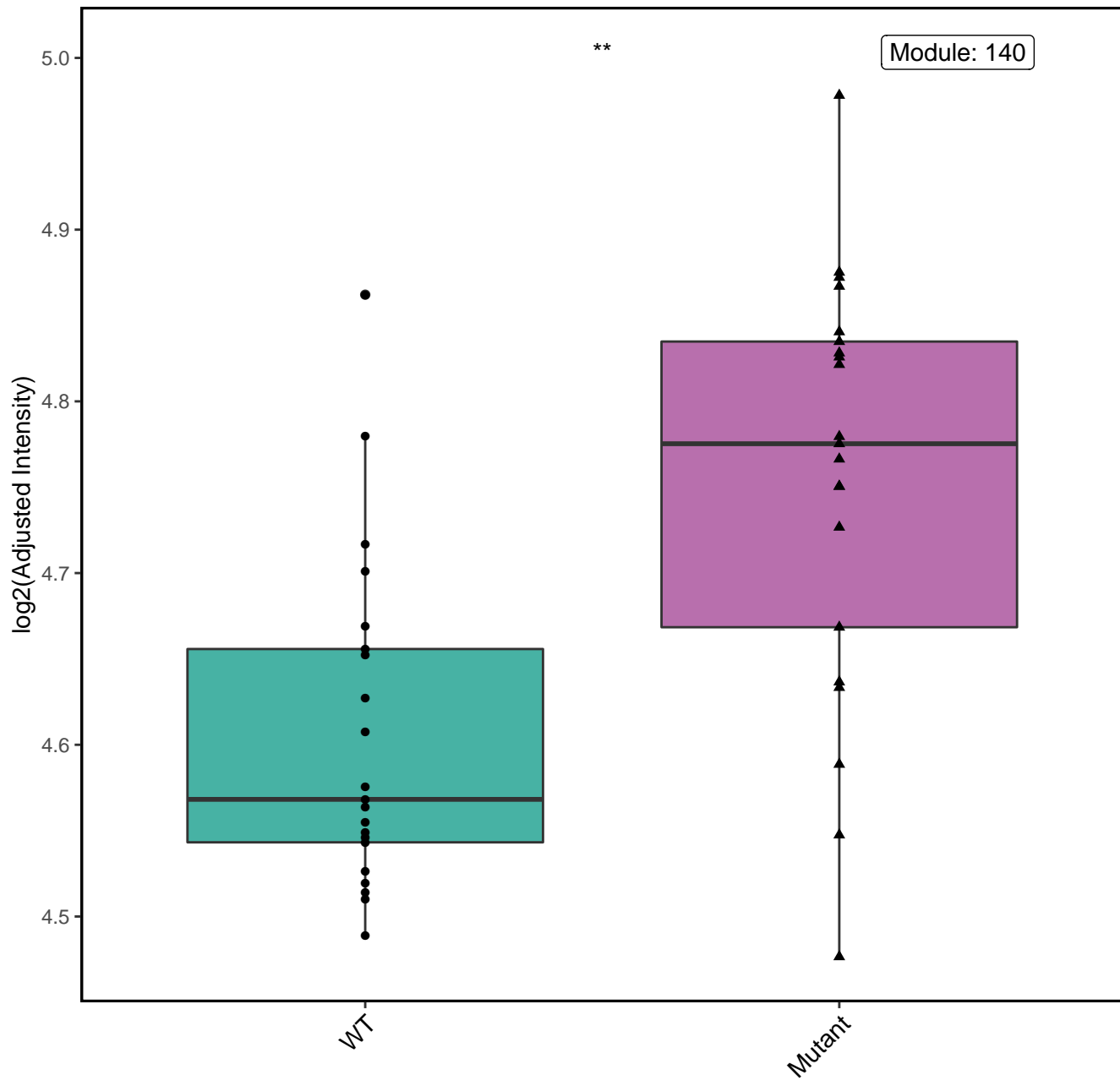
7.3

WT

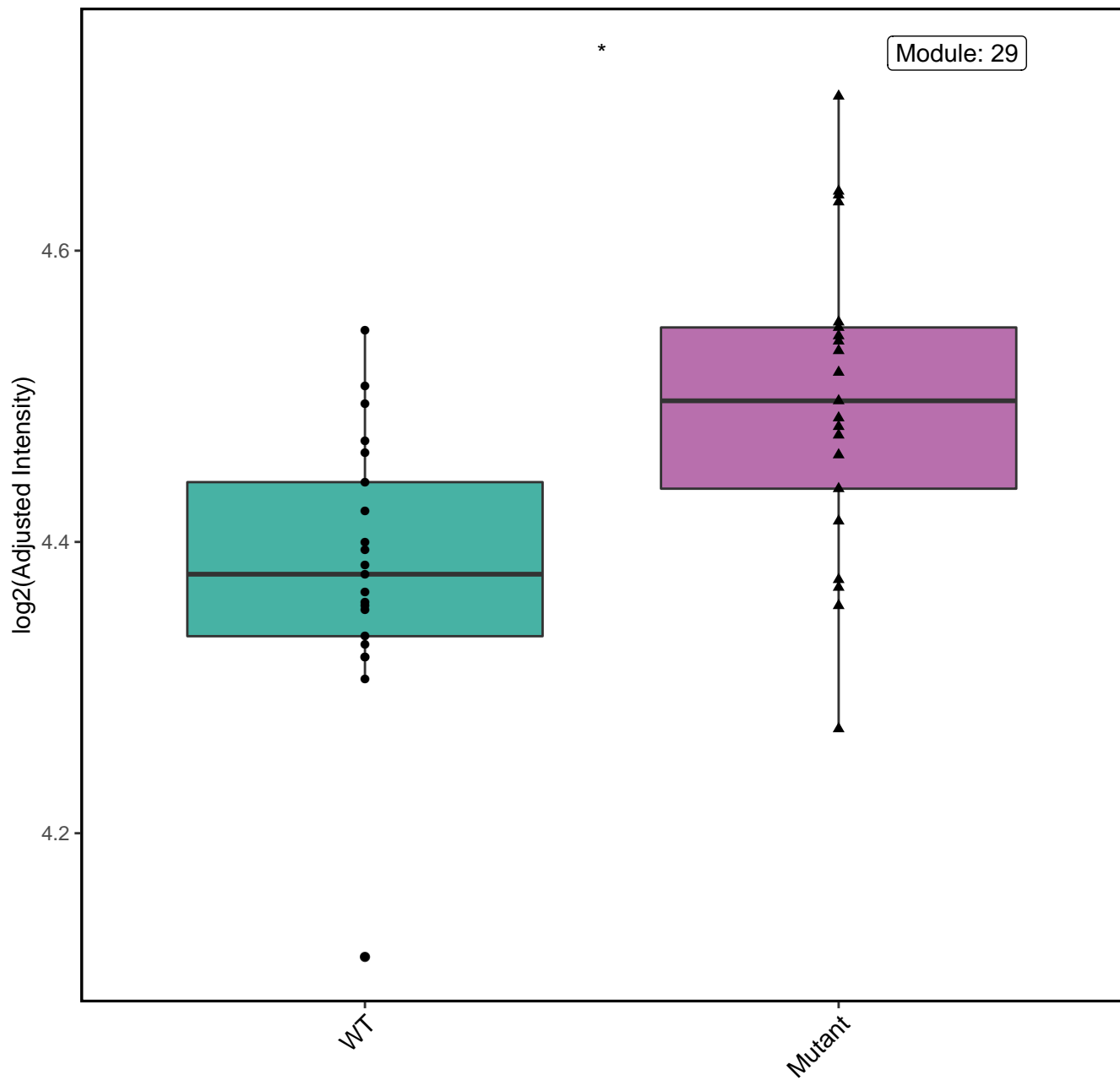
Mutant

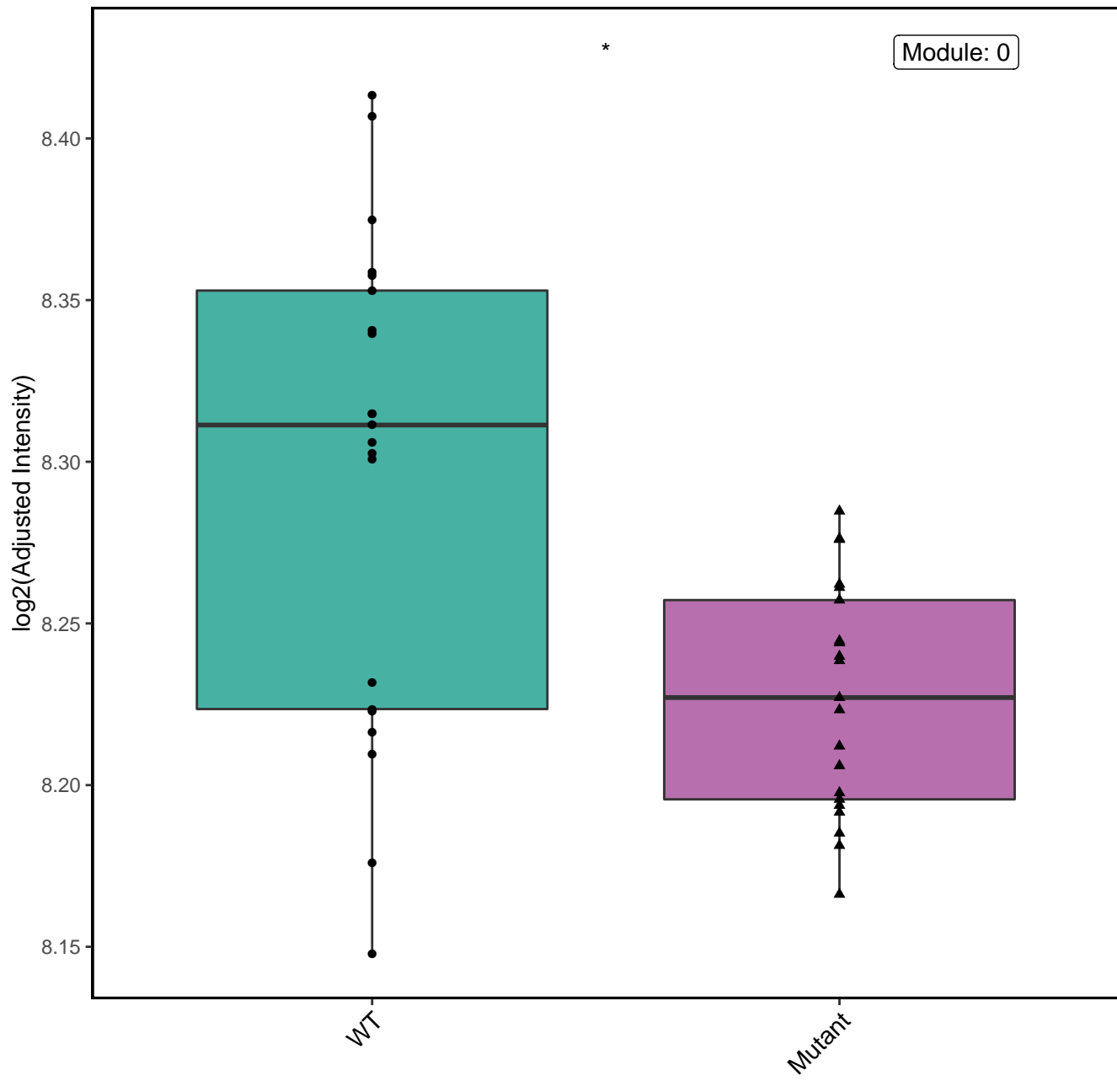
\*

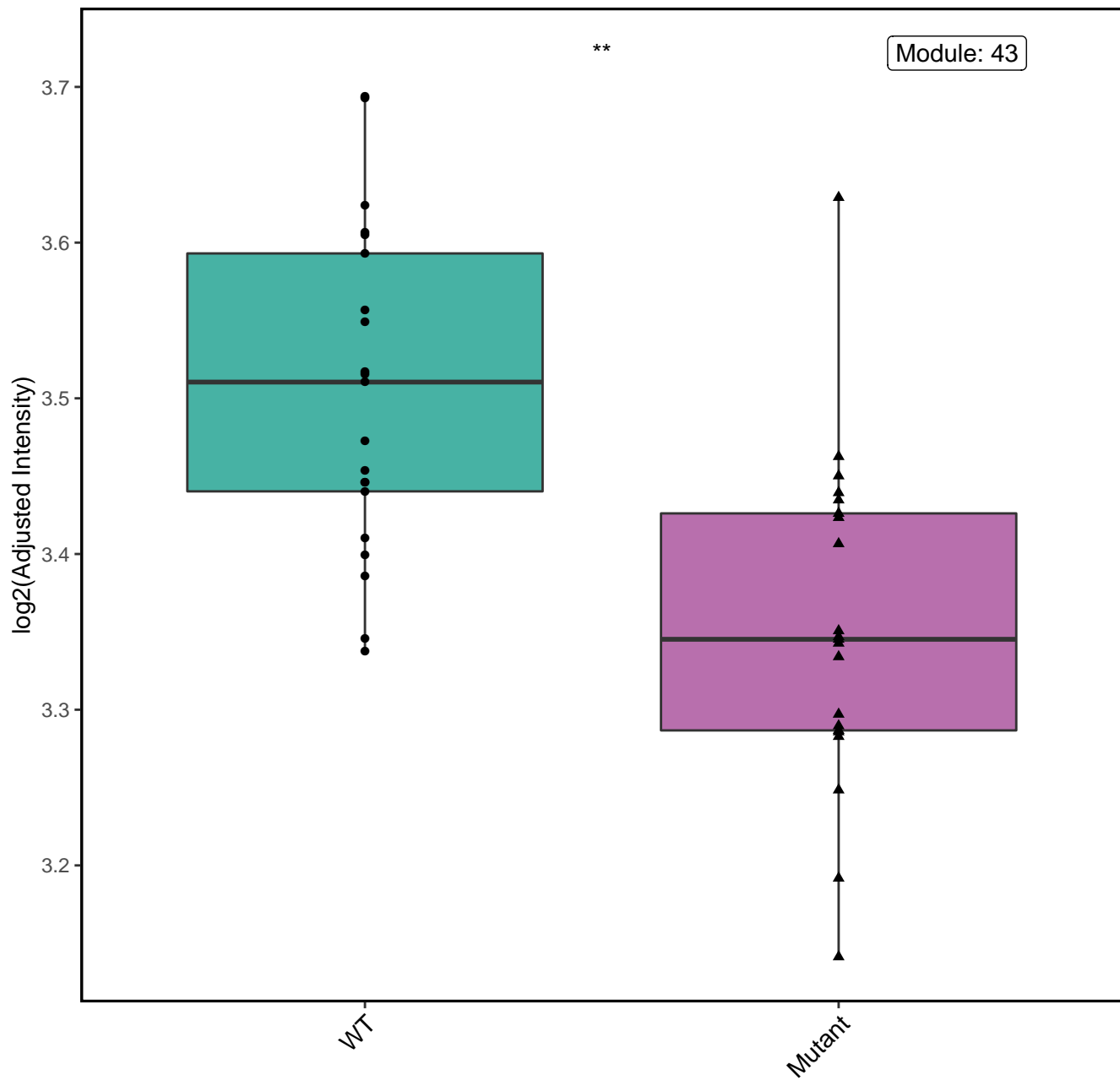










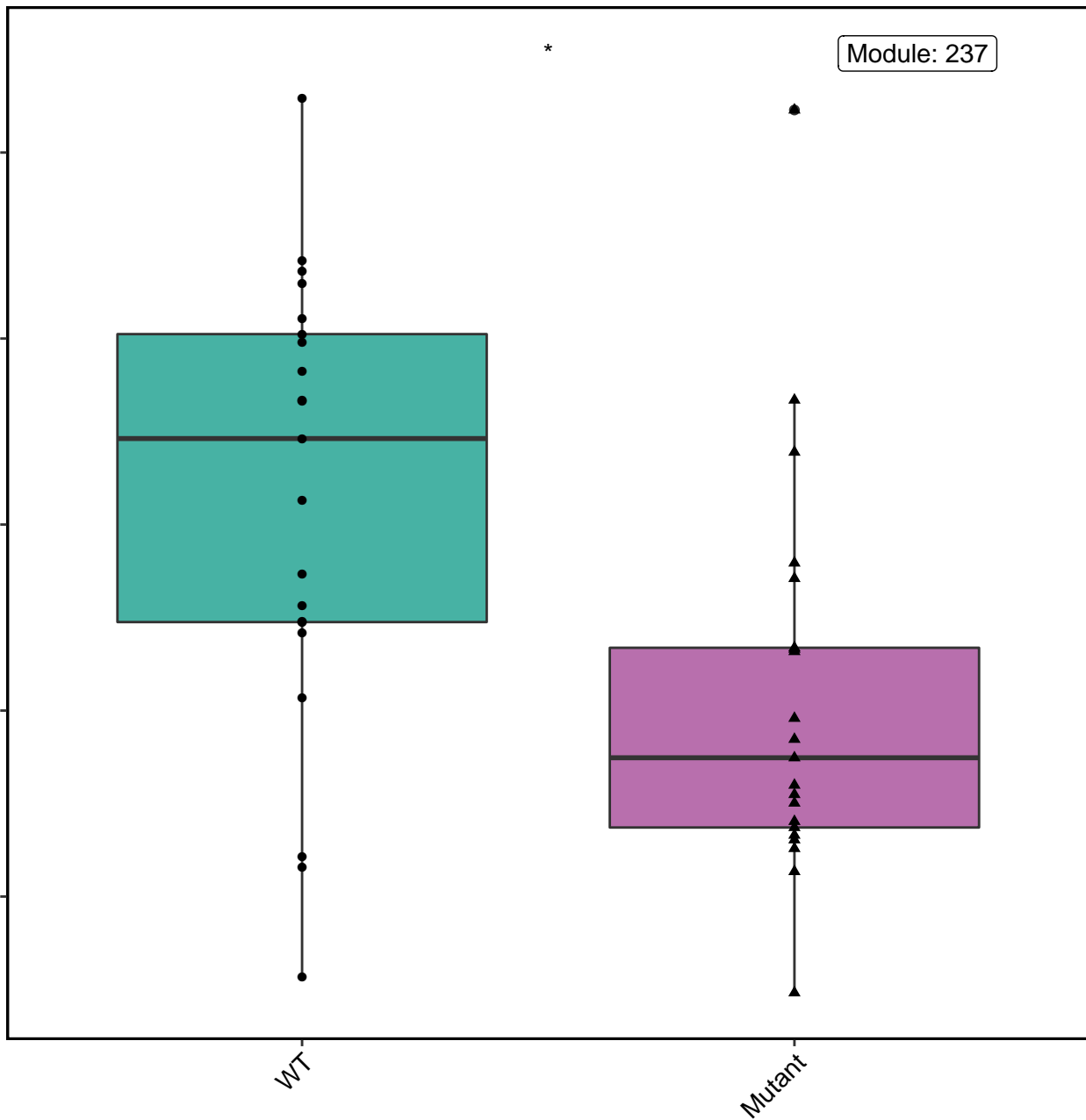


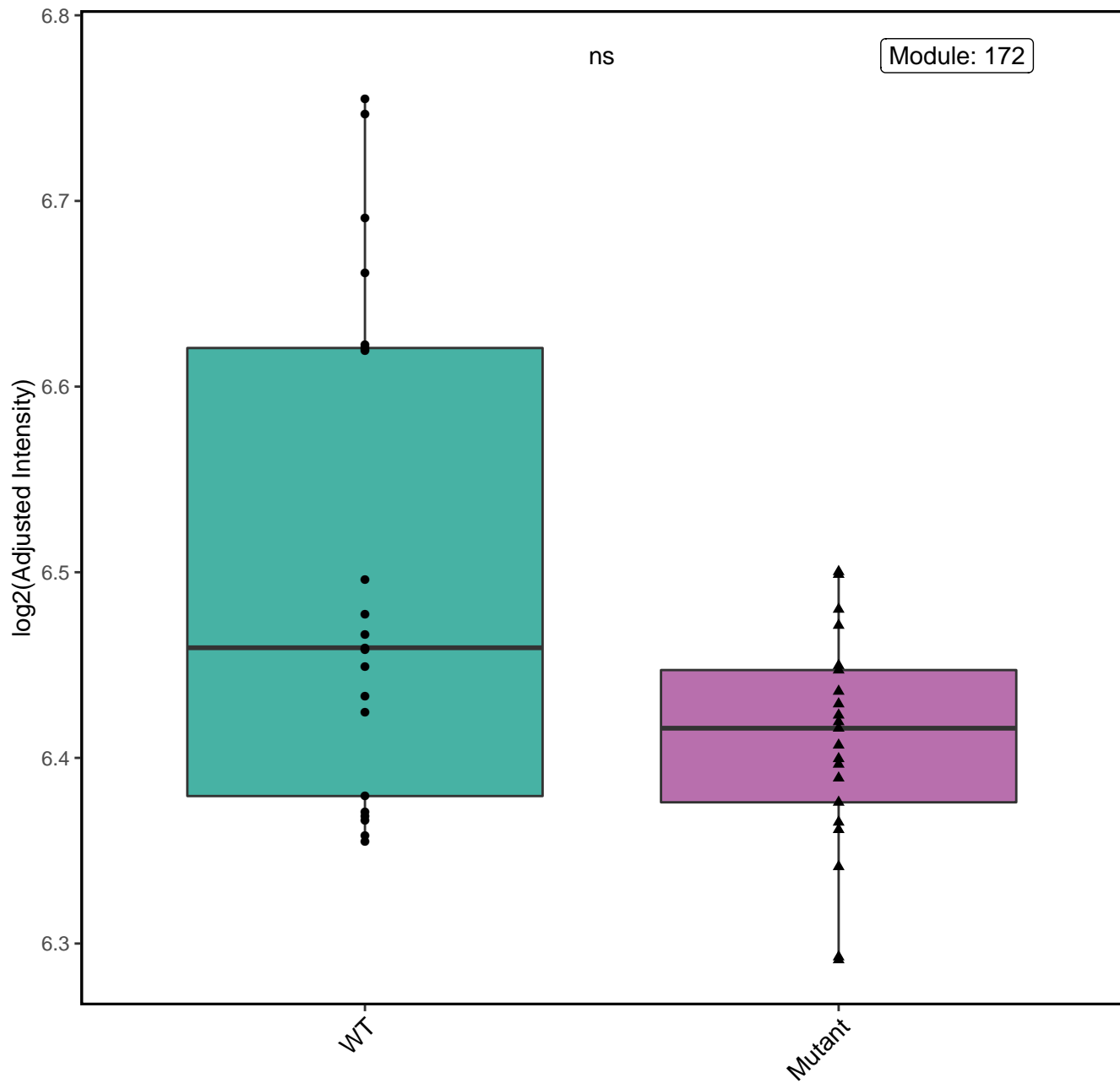
log2(Adjusted Intensity)

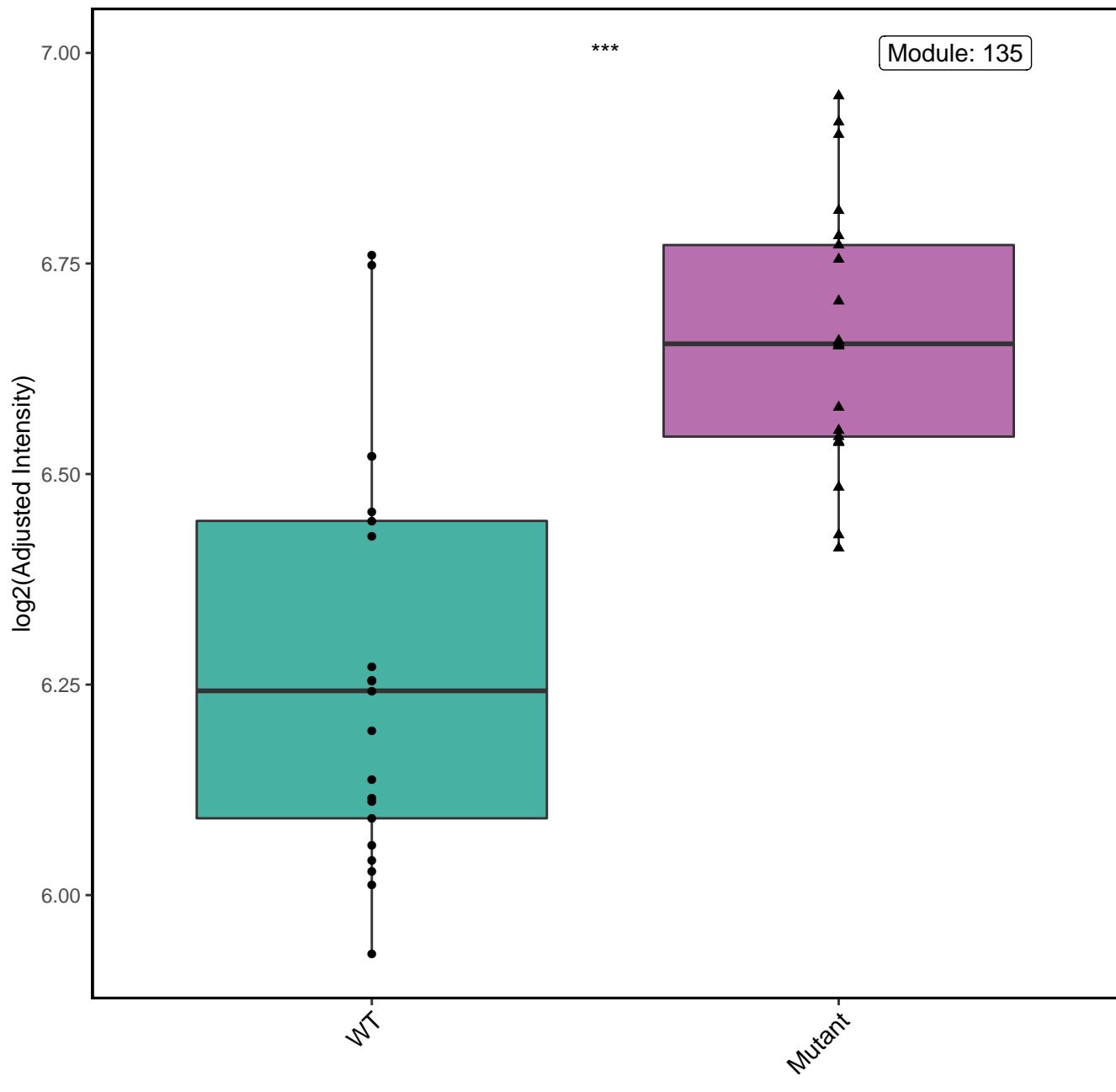
WT

Mutant

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7.8  
7.7  
7.6  
7.5  
7.4



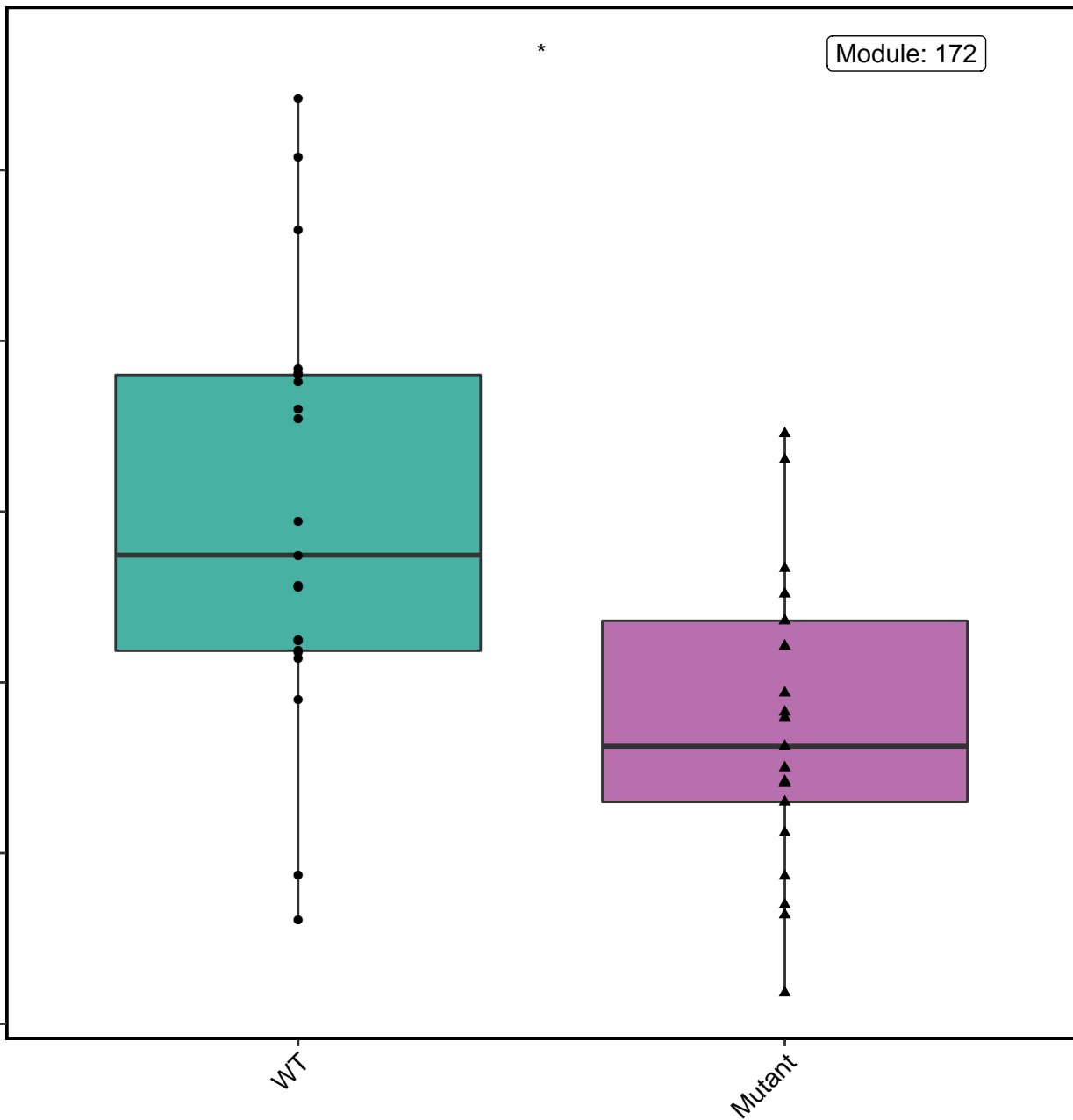


log2(Adjusted Intensity)

\*

WT

Mutant

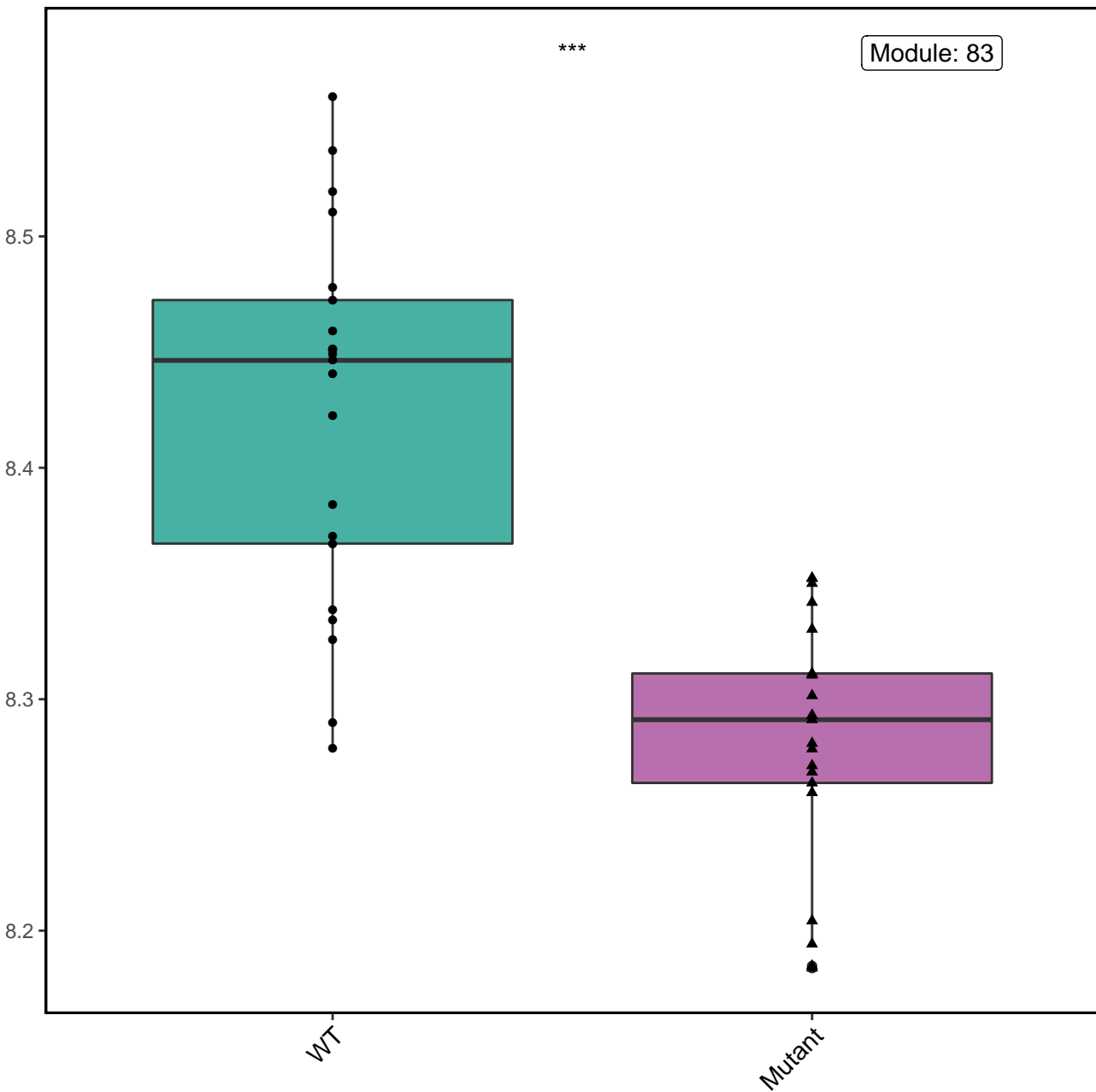


log2(Adjusted Intensity)

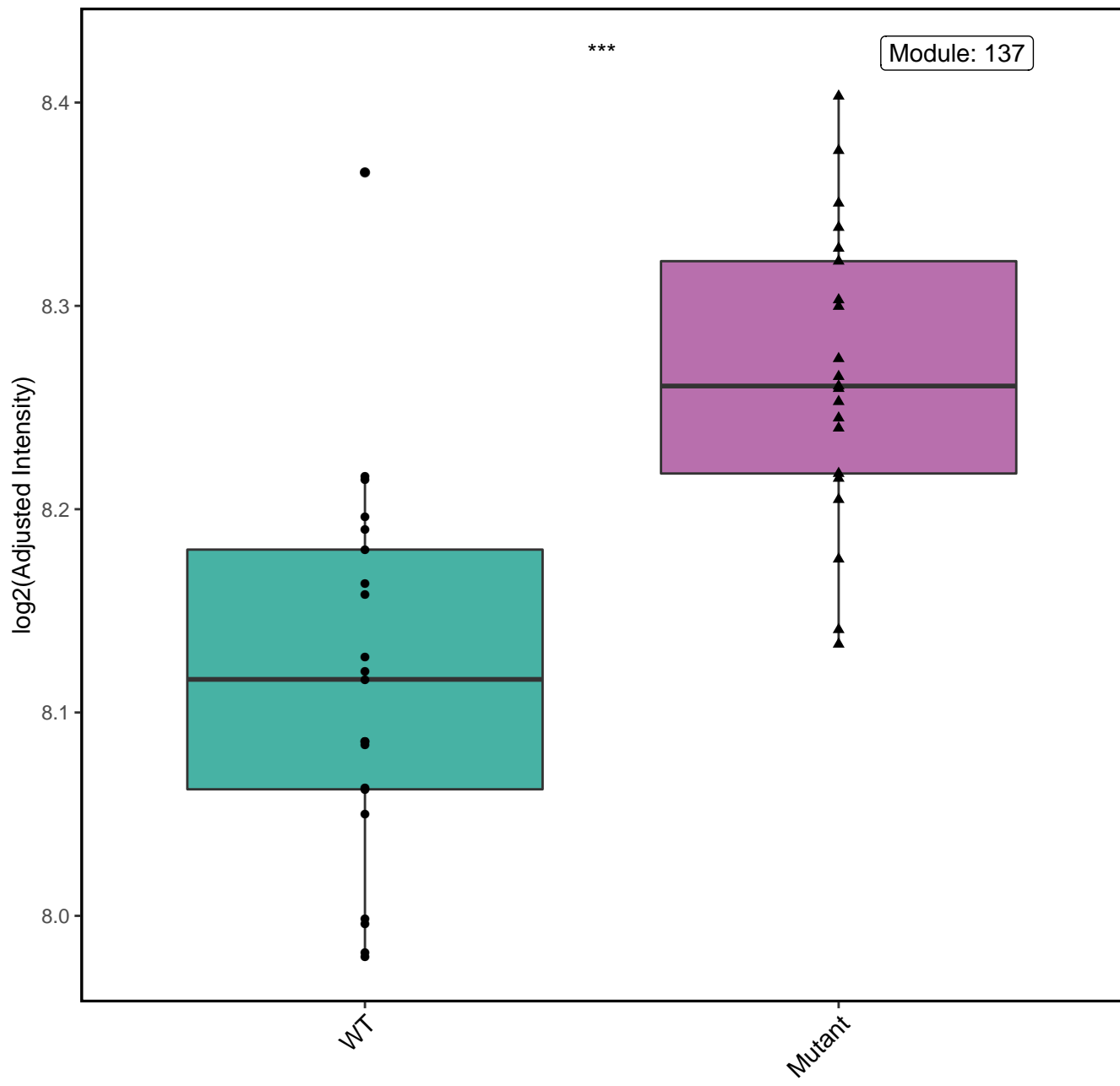
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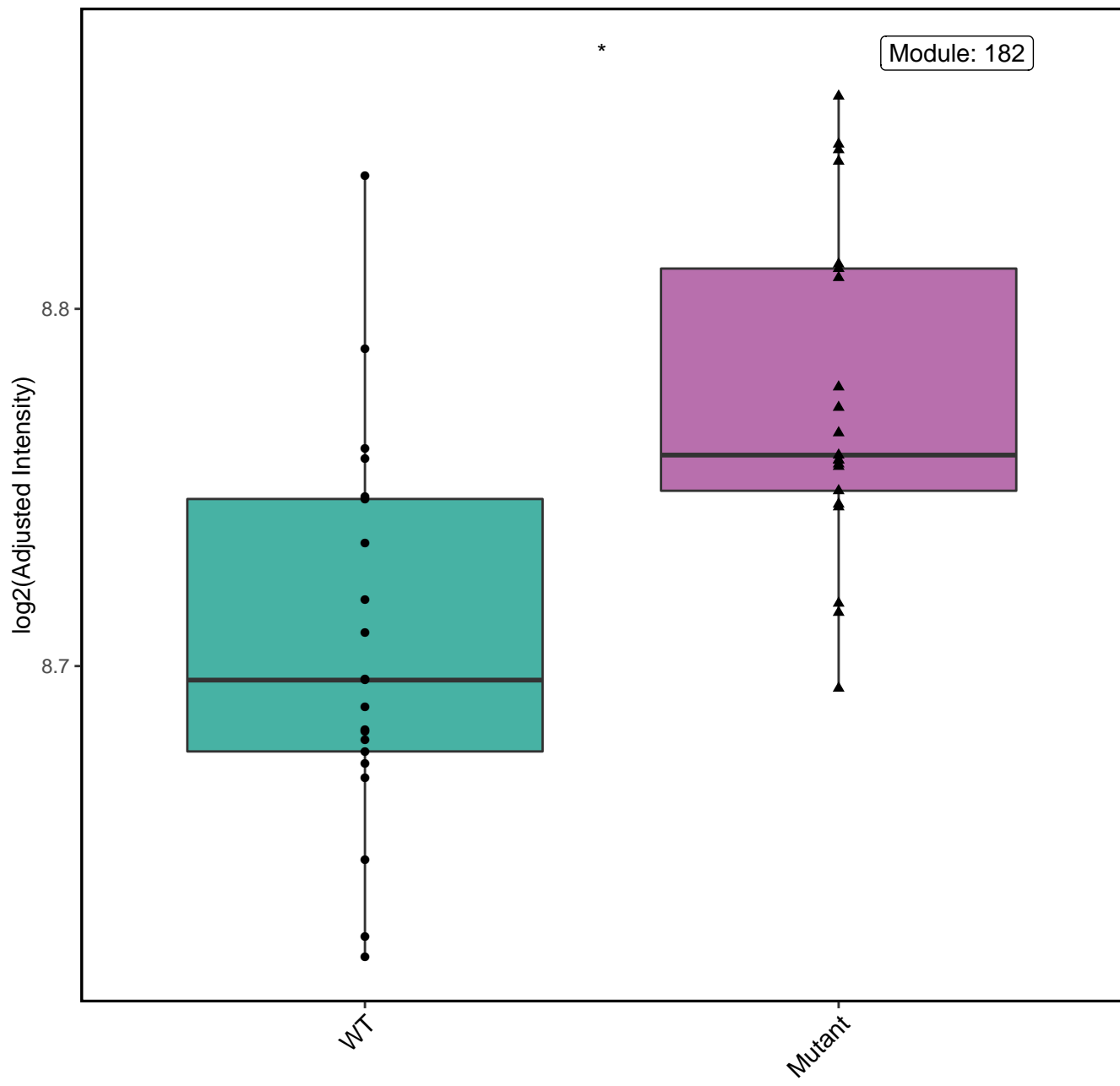
WT

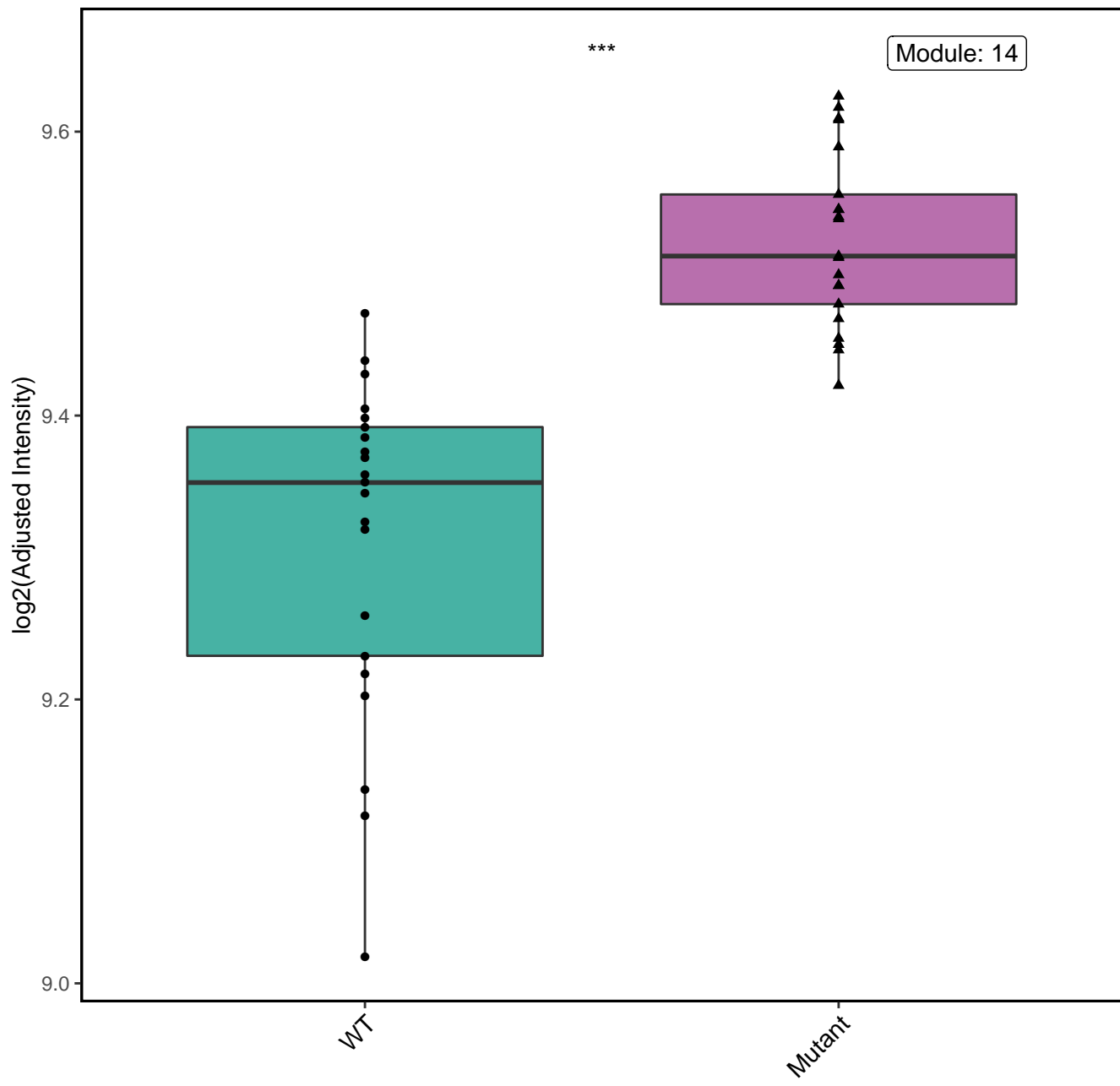
Mutant

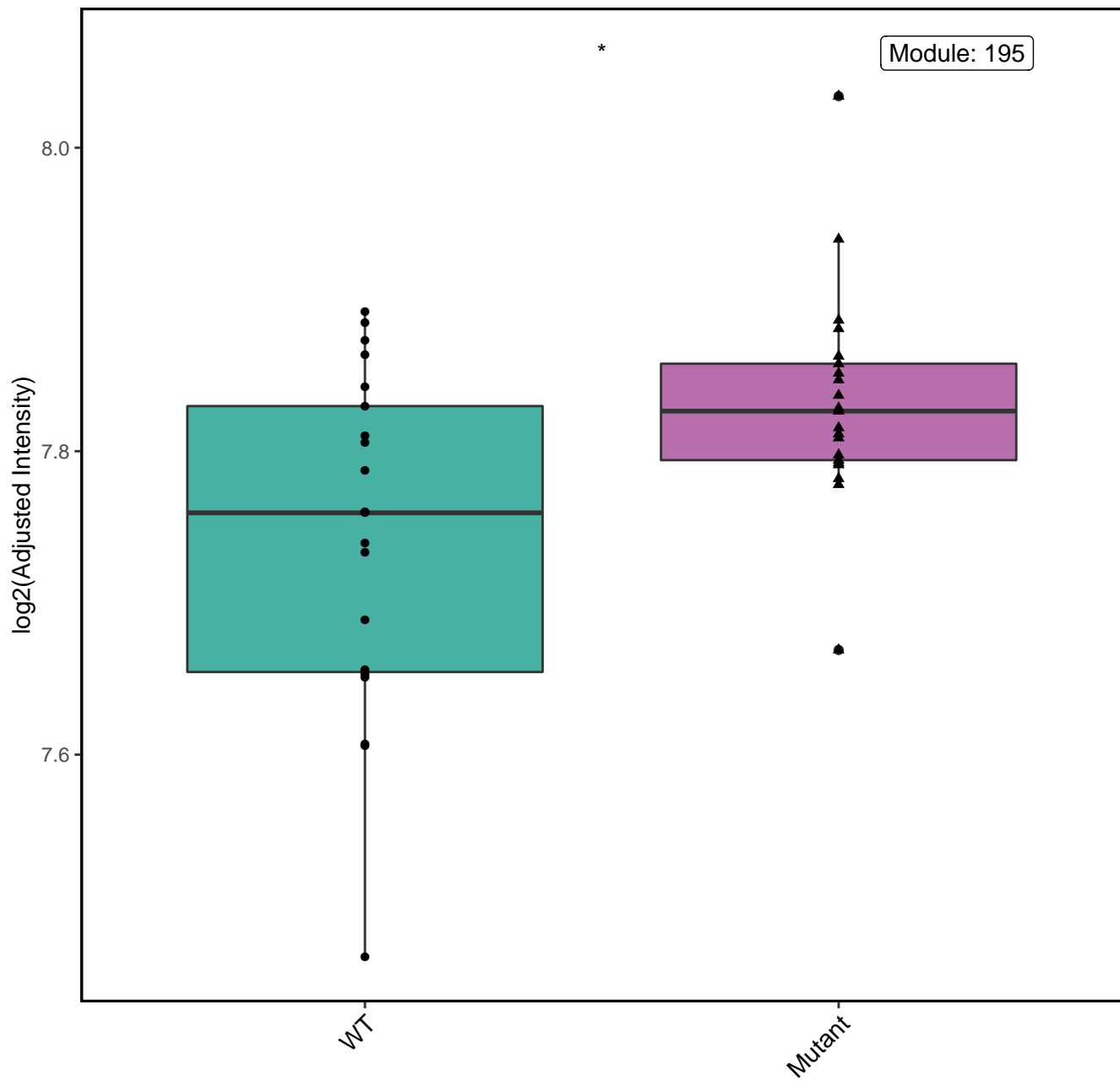


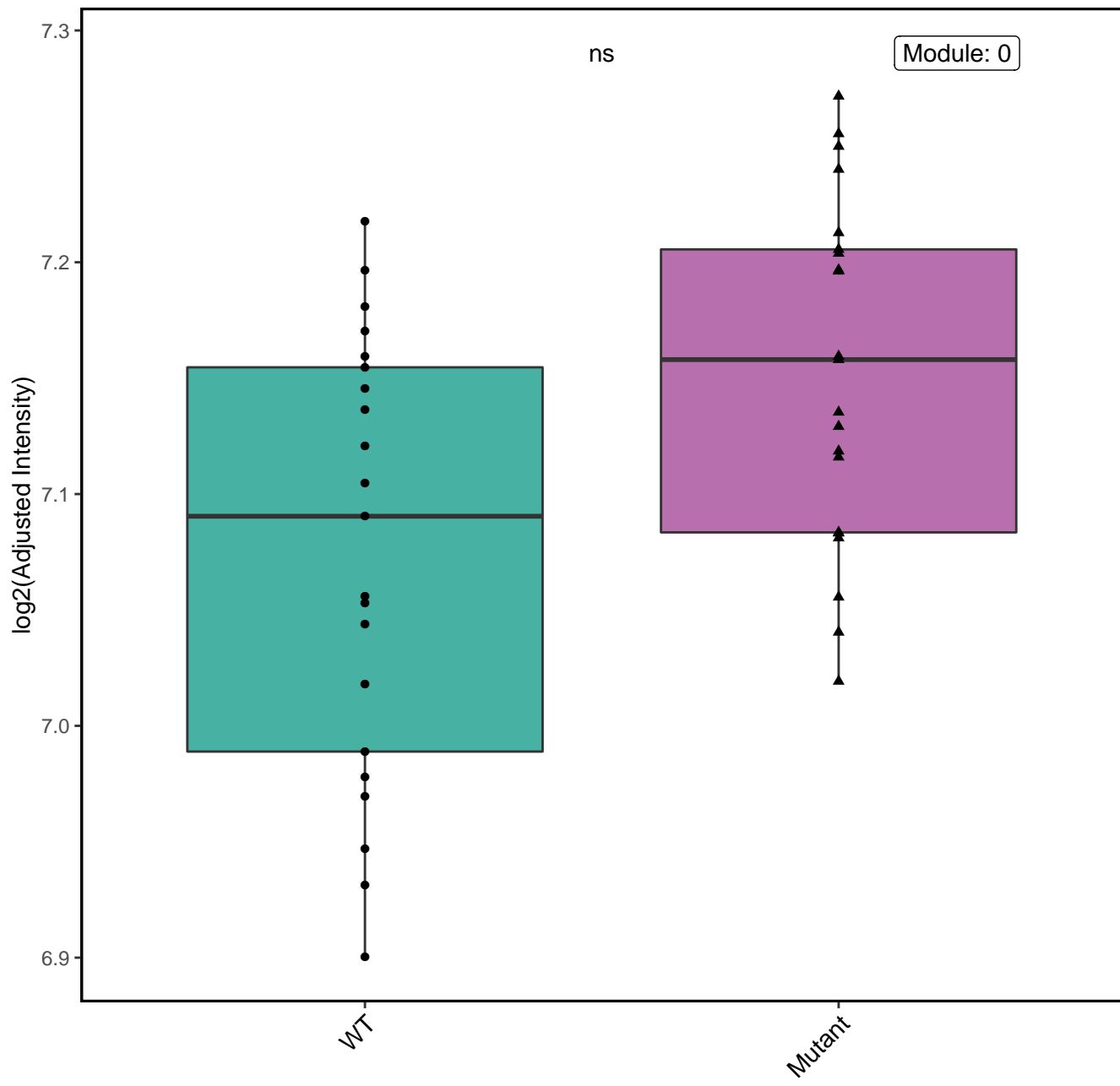


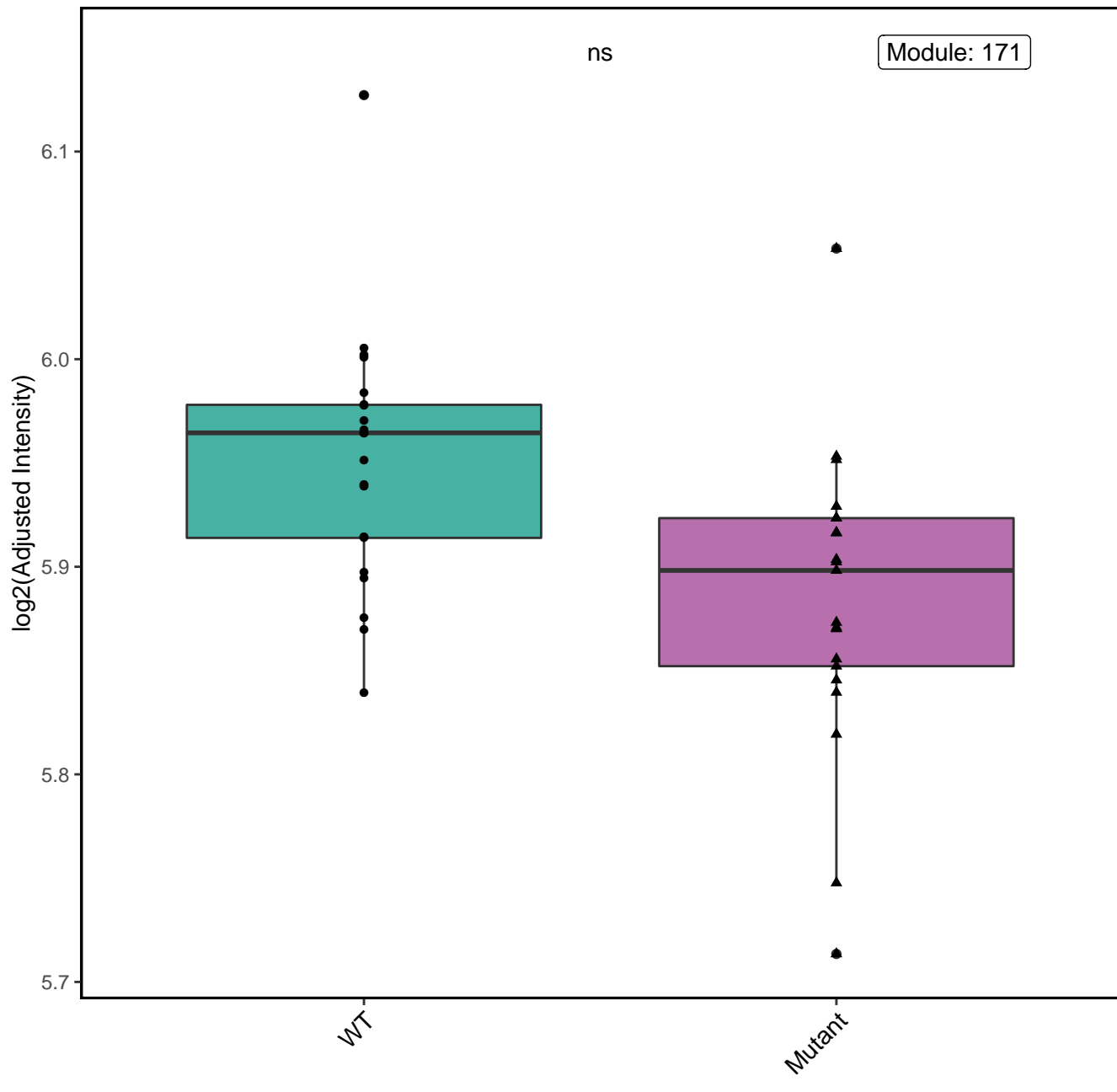












log2(Adjusted Intensity)

8.0

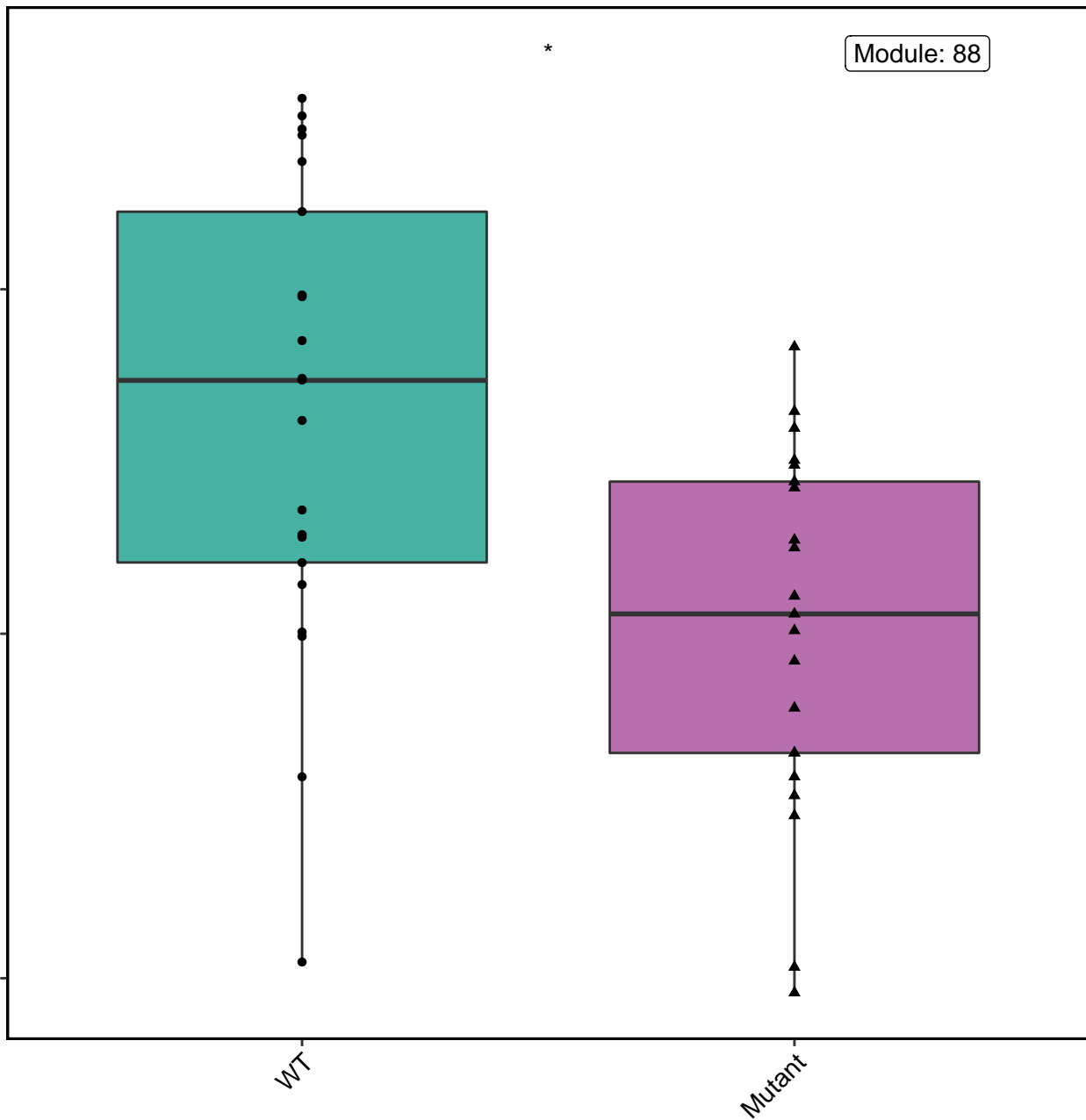
7.8

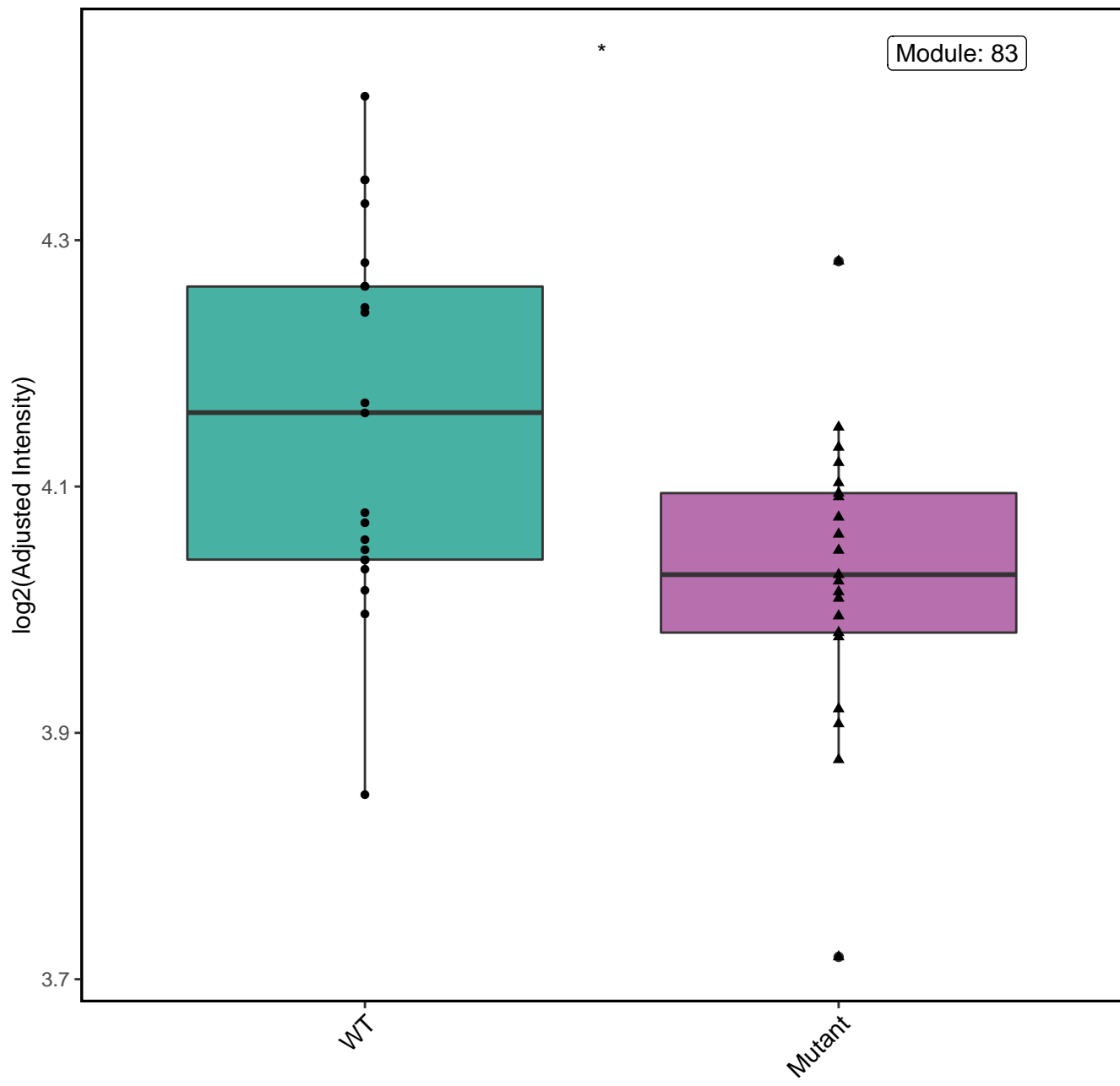
7.6

WT

Mutant

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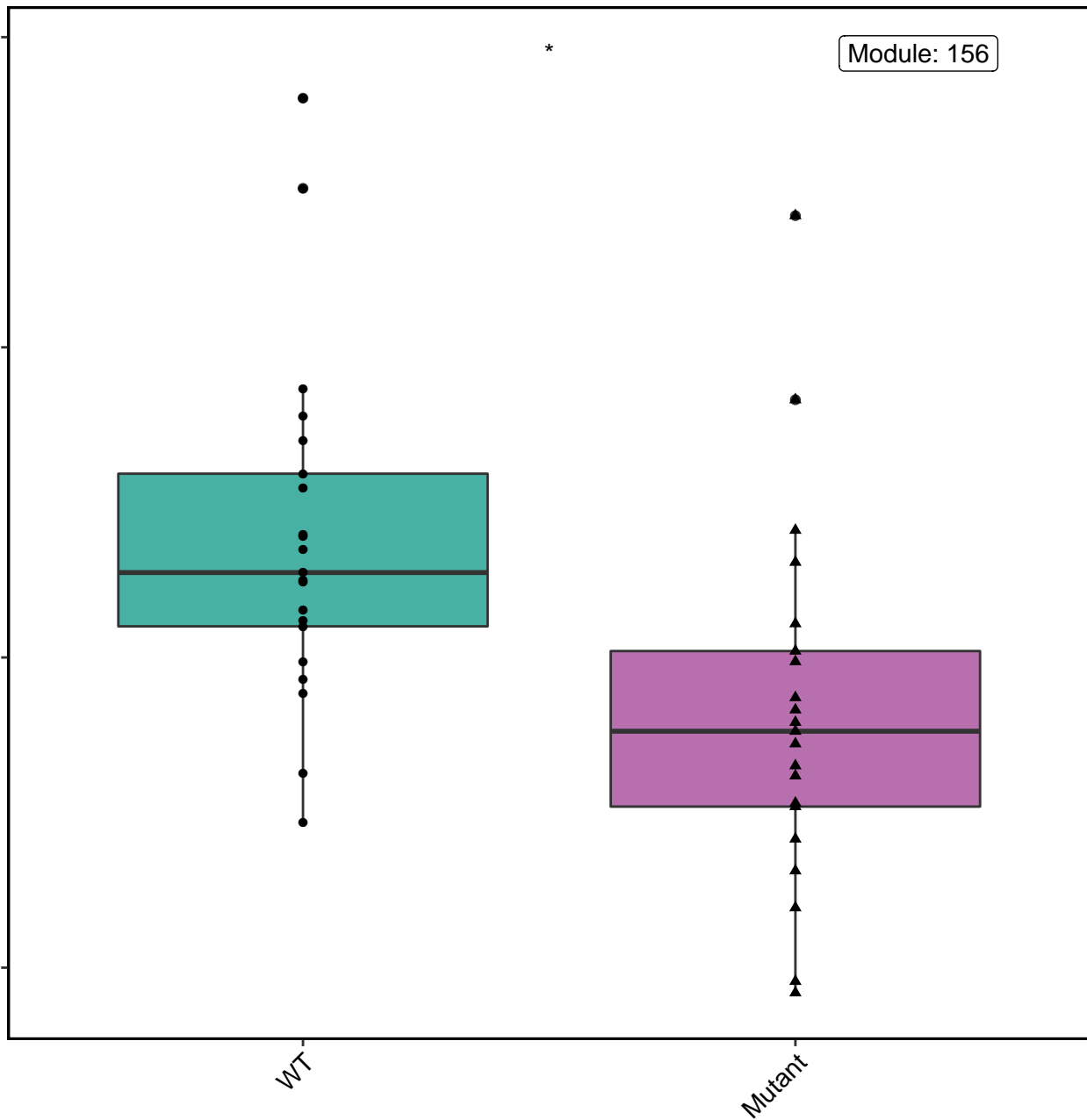


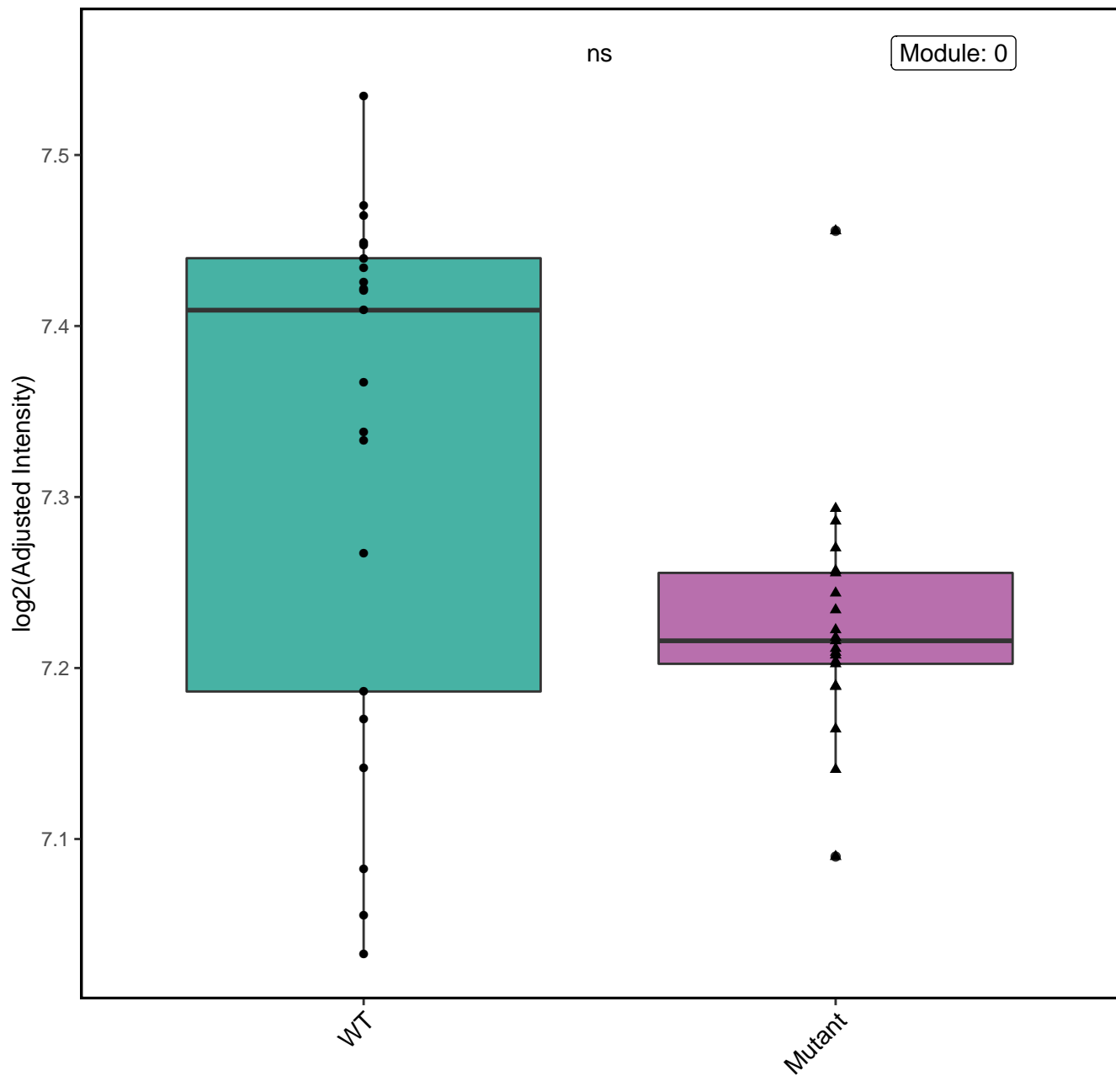
log2(Adjusted Intensity)

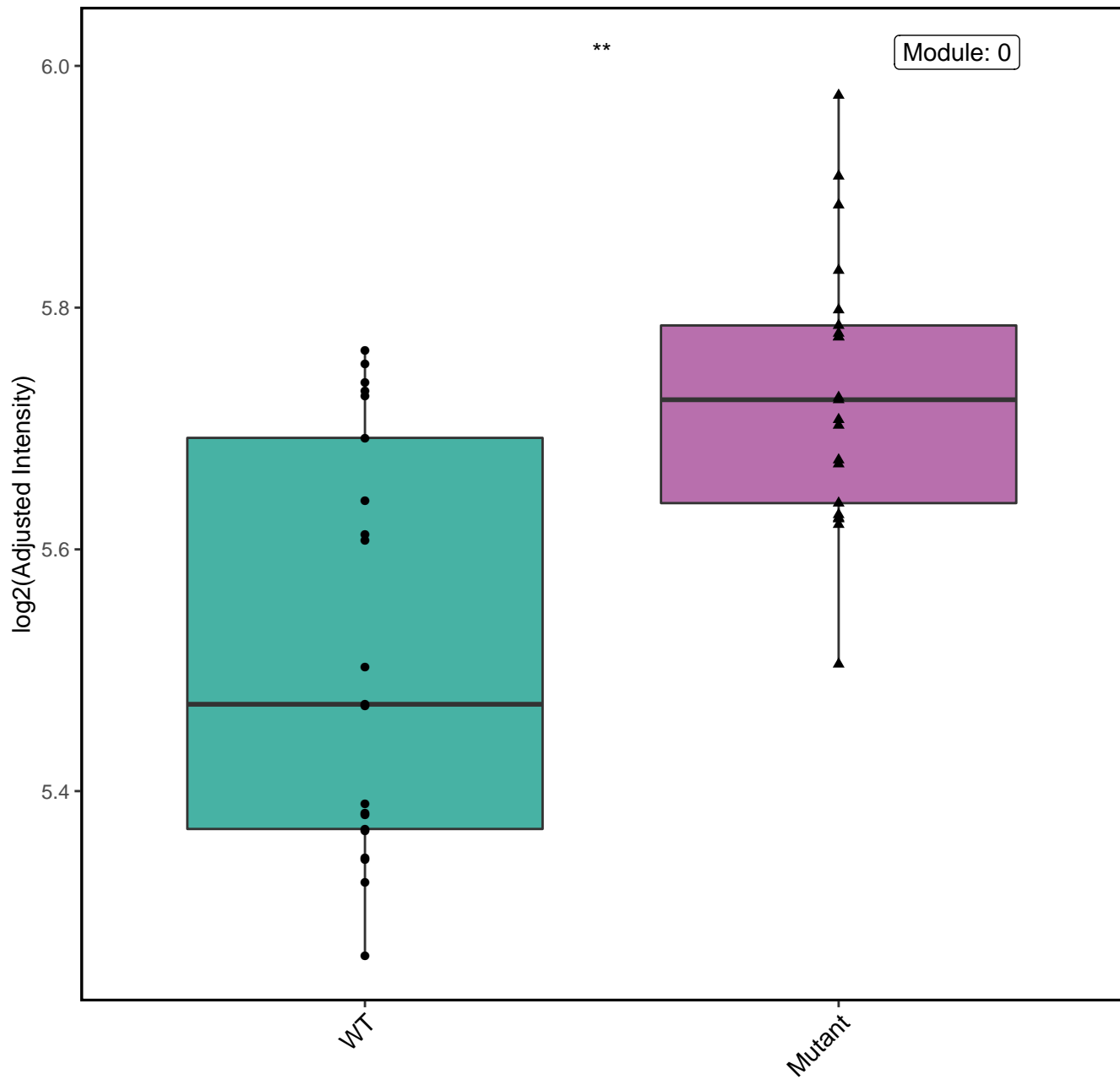
WT

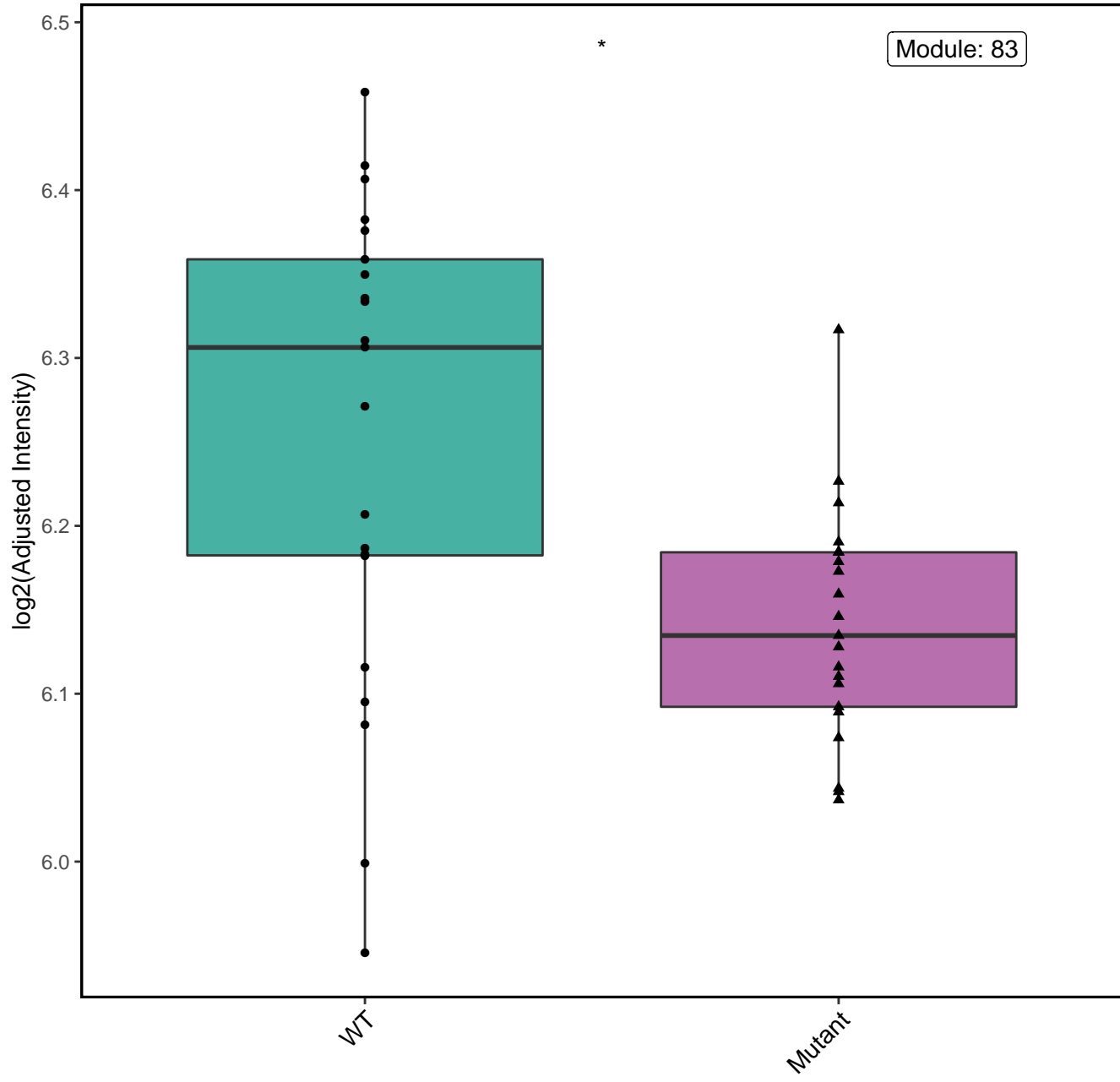
Mutant

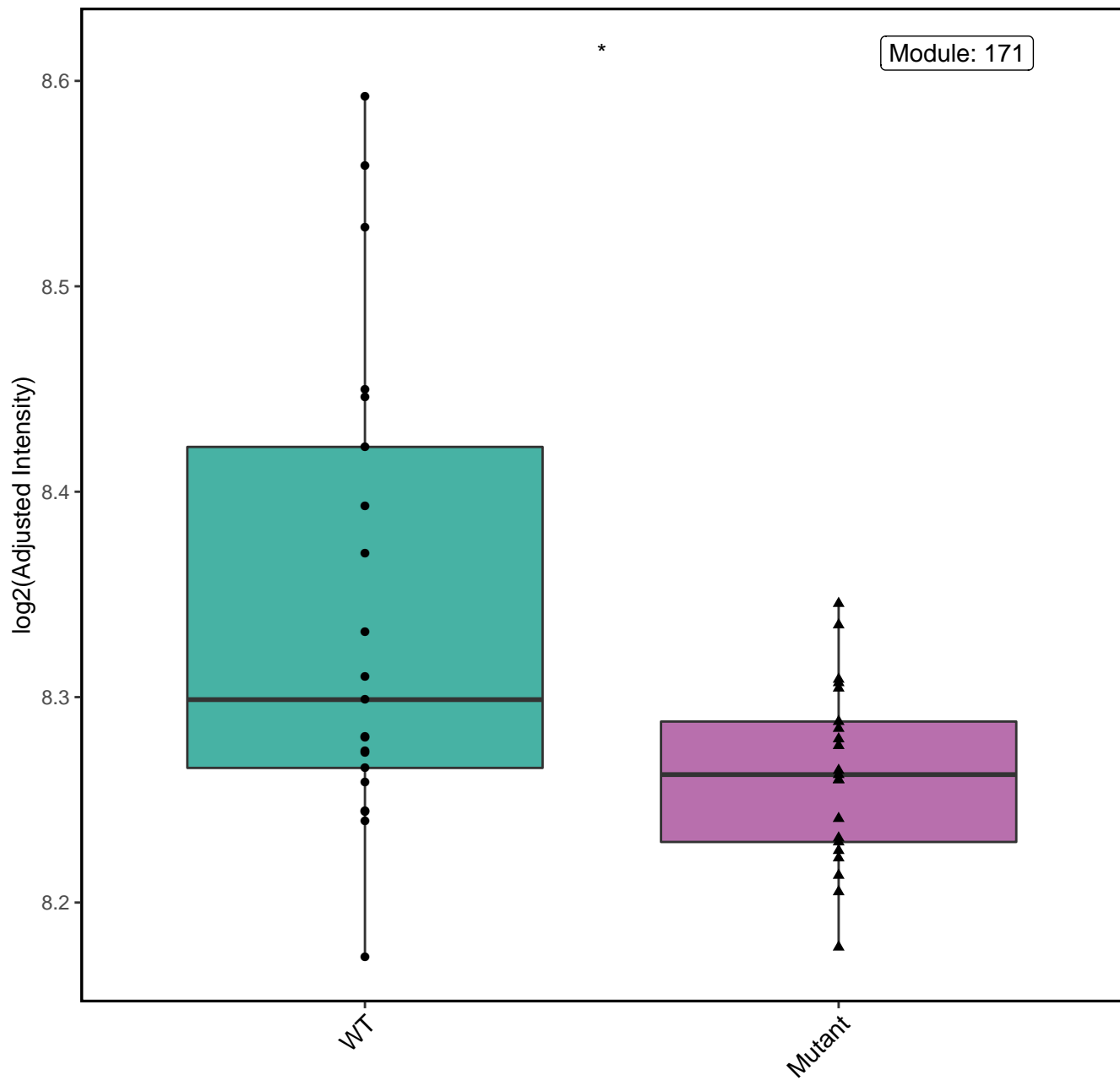
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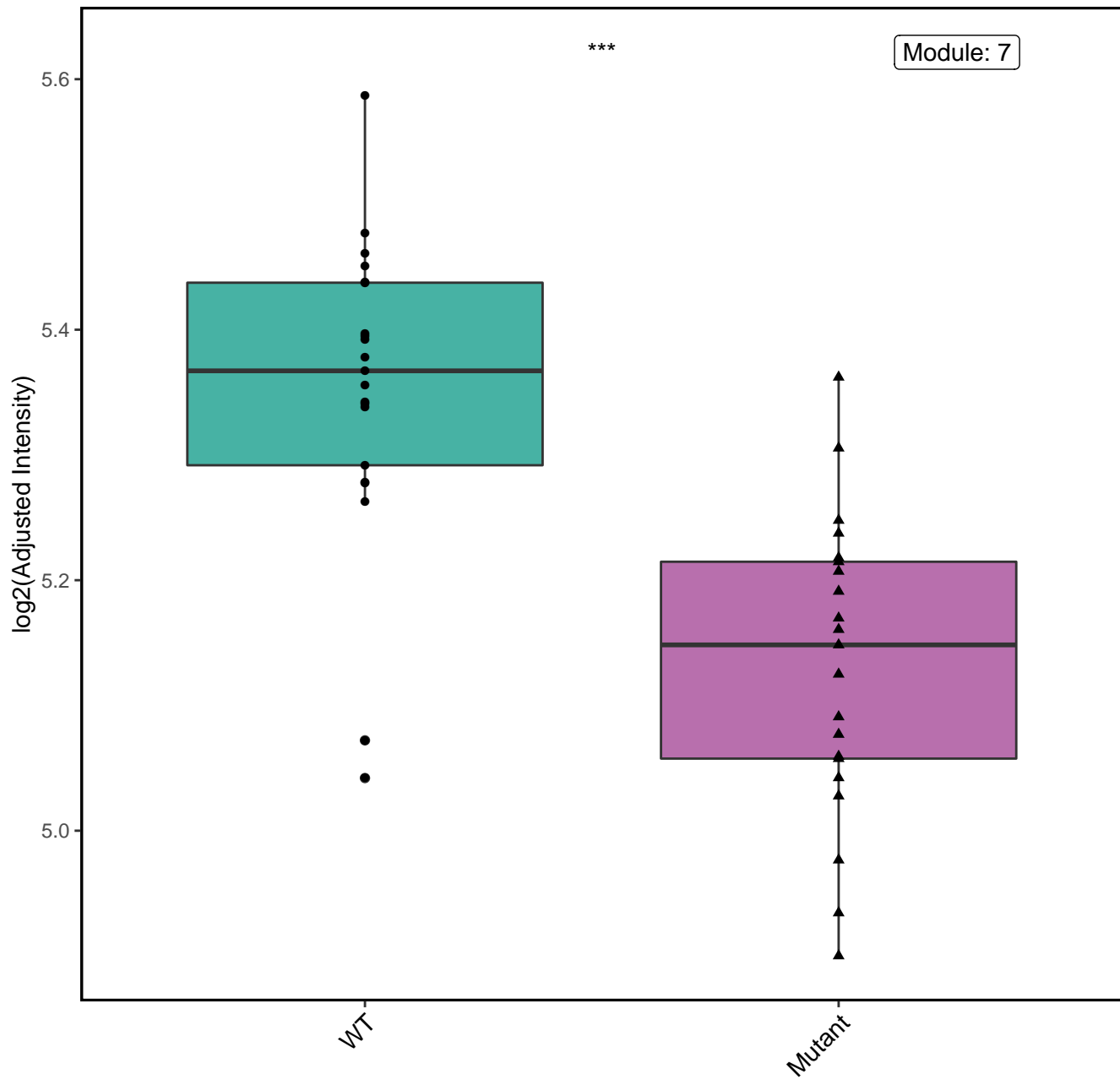


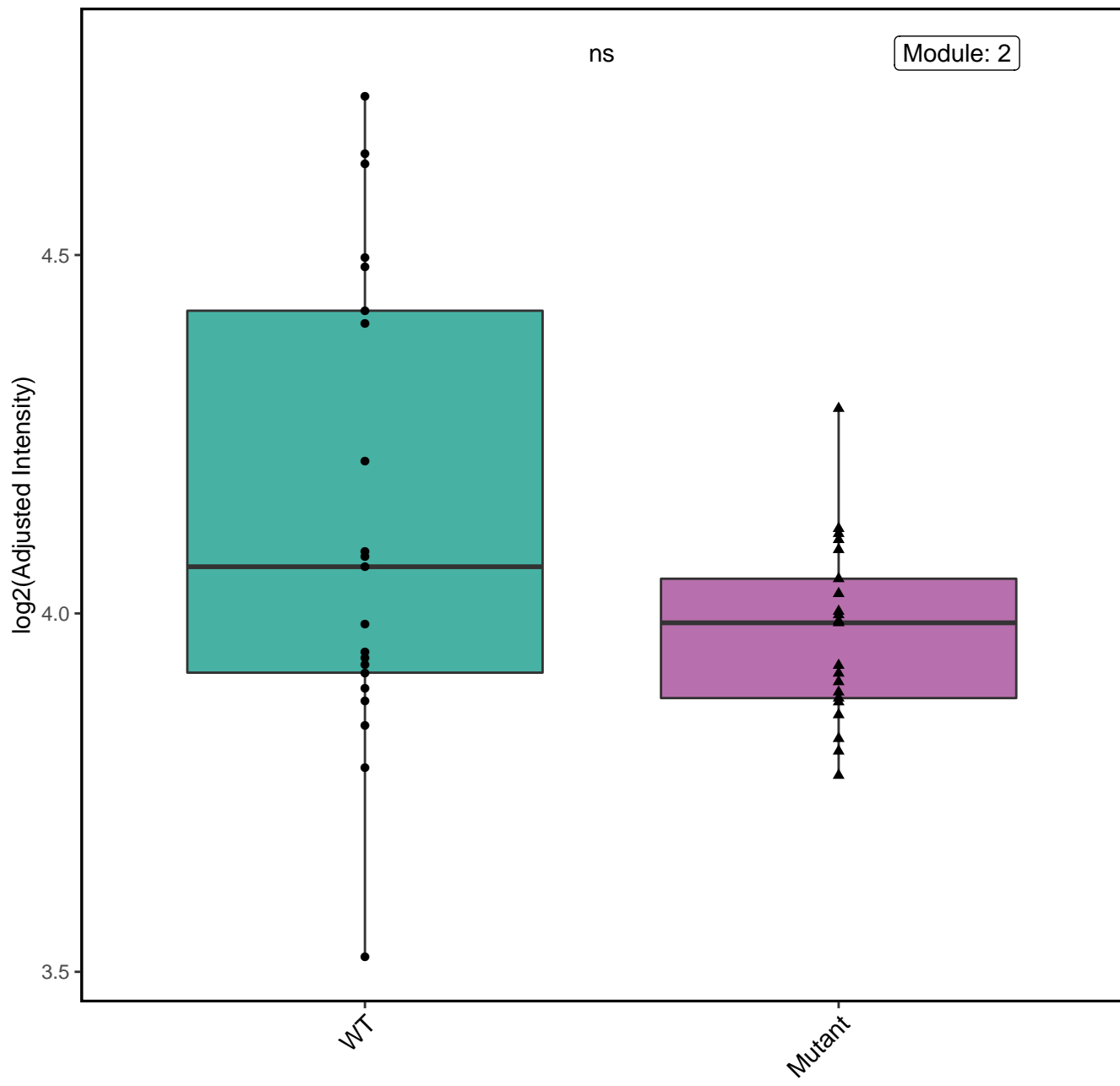


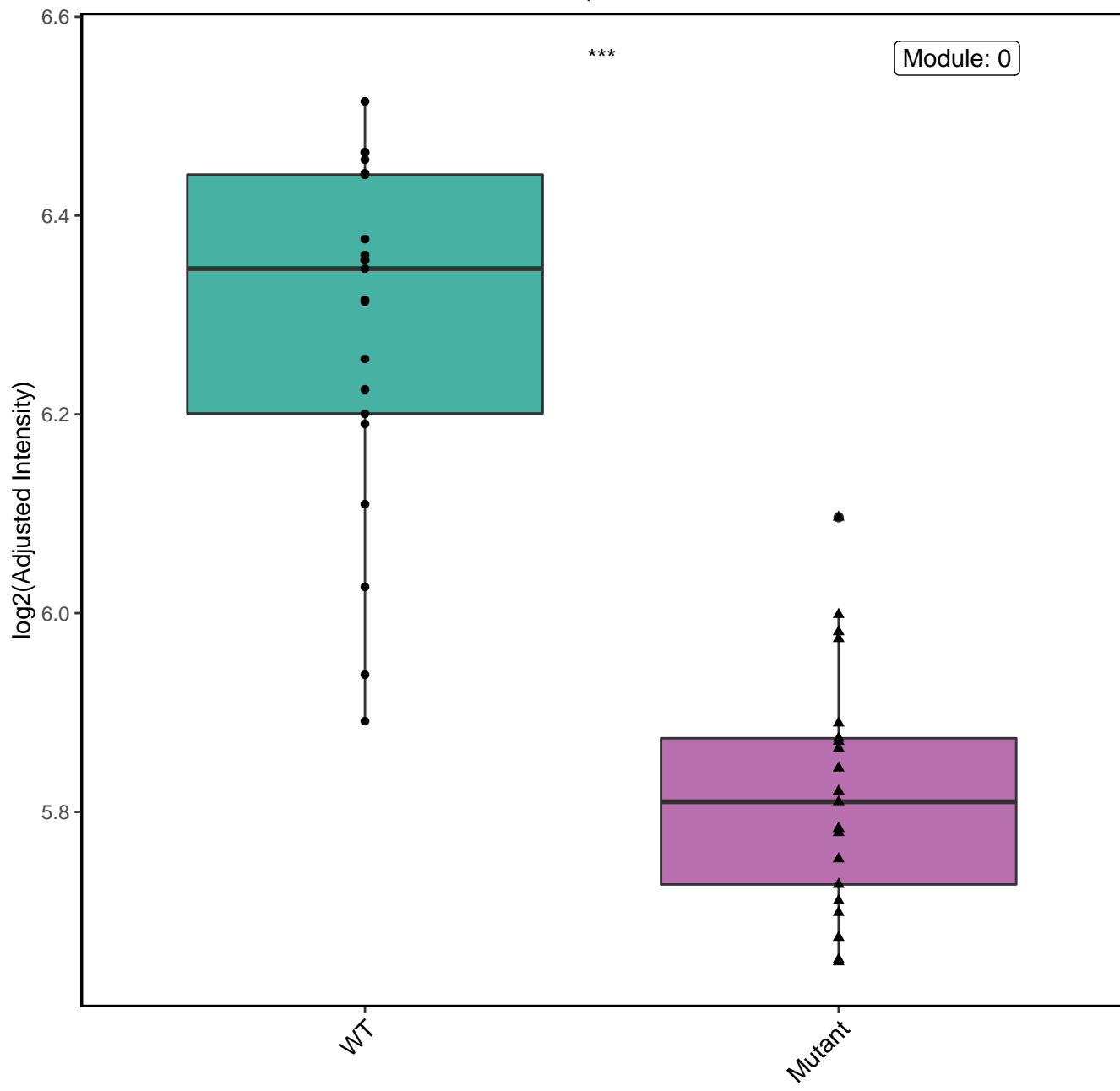




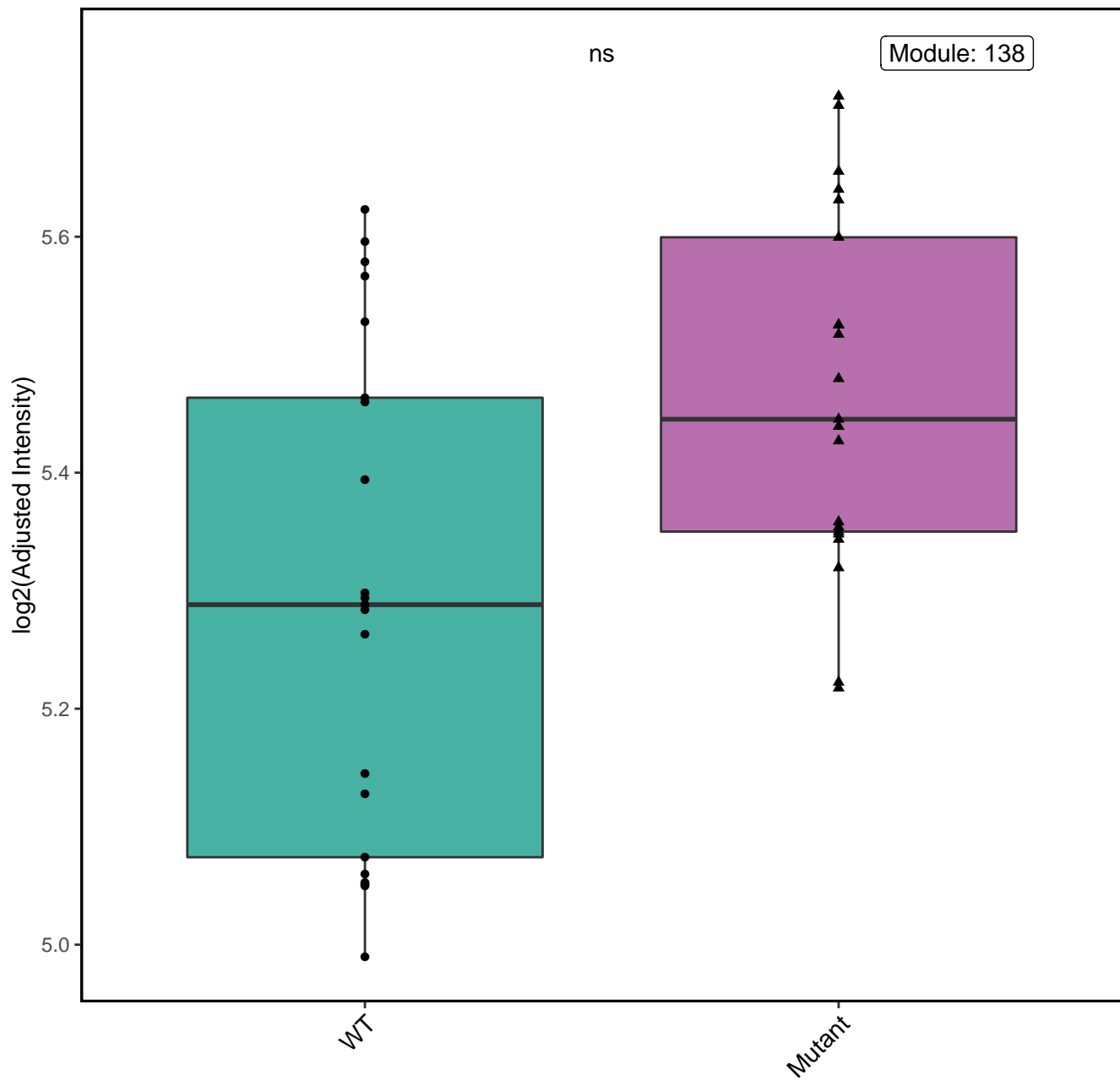


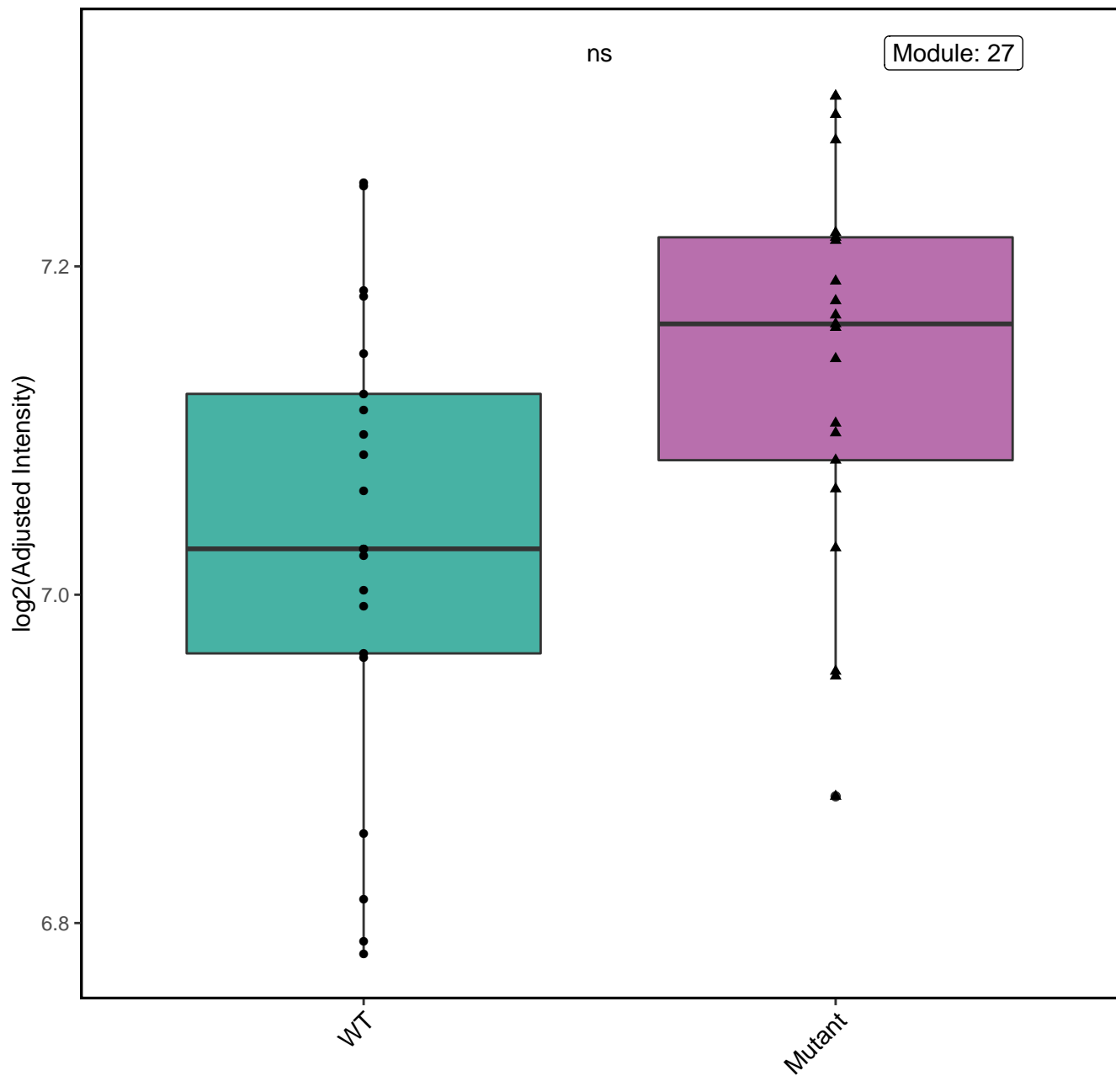


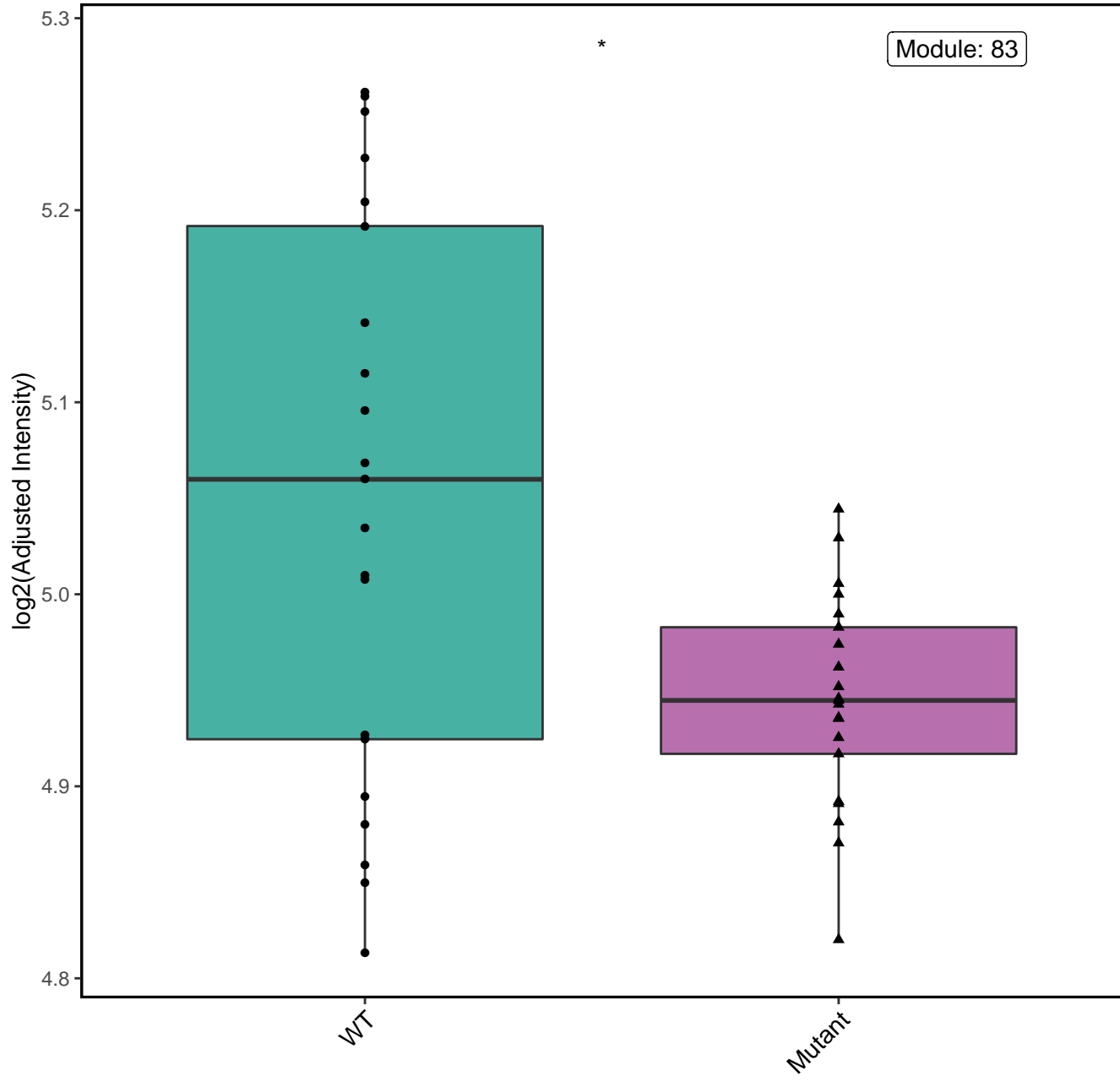


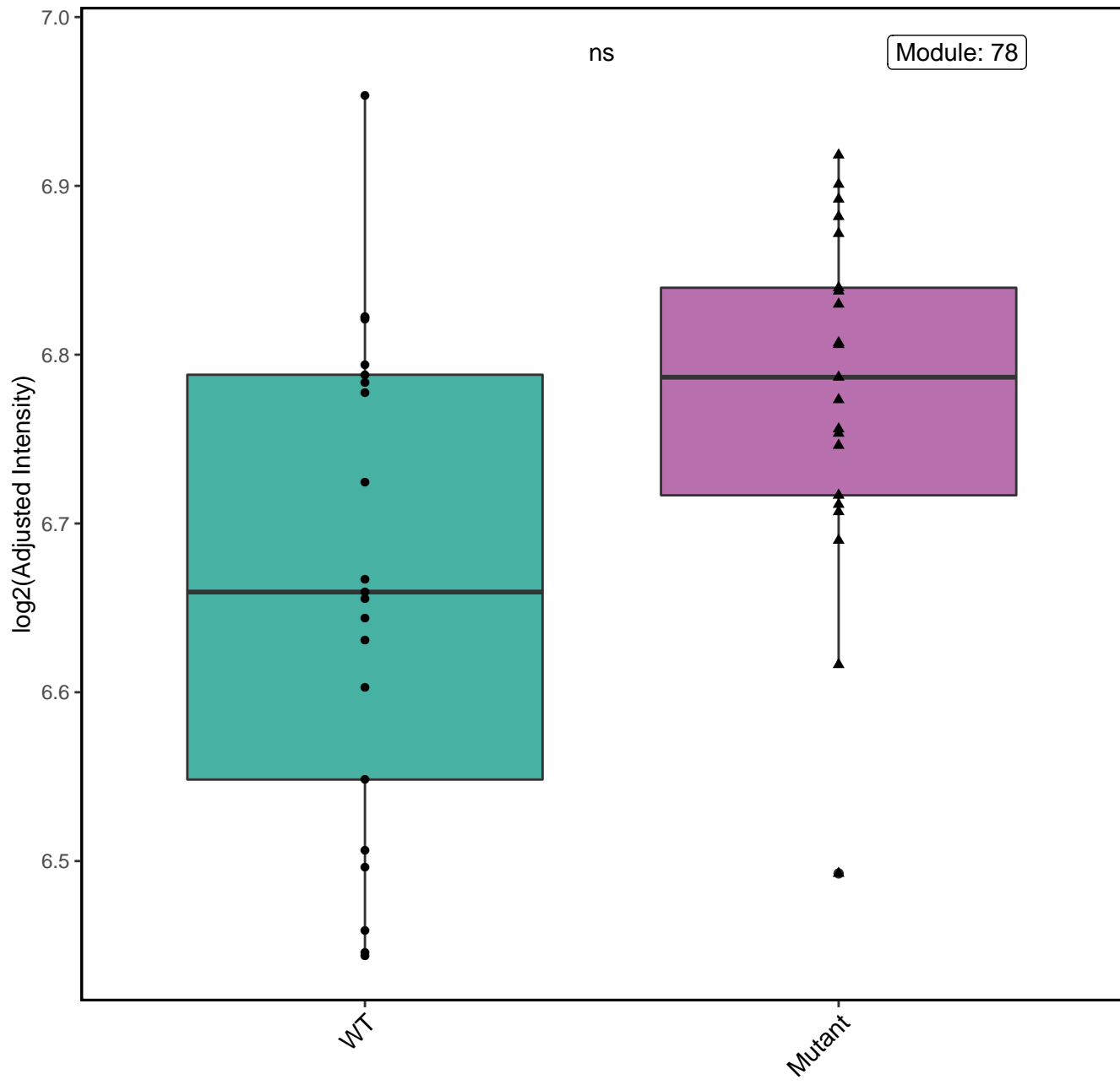


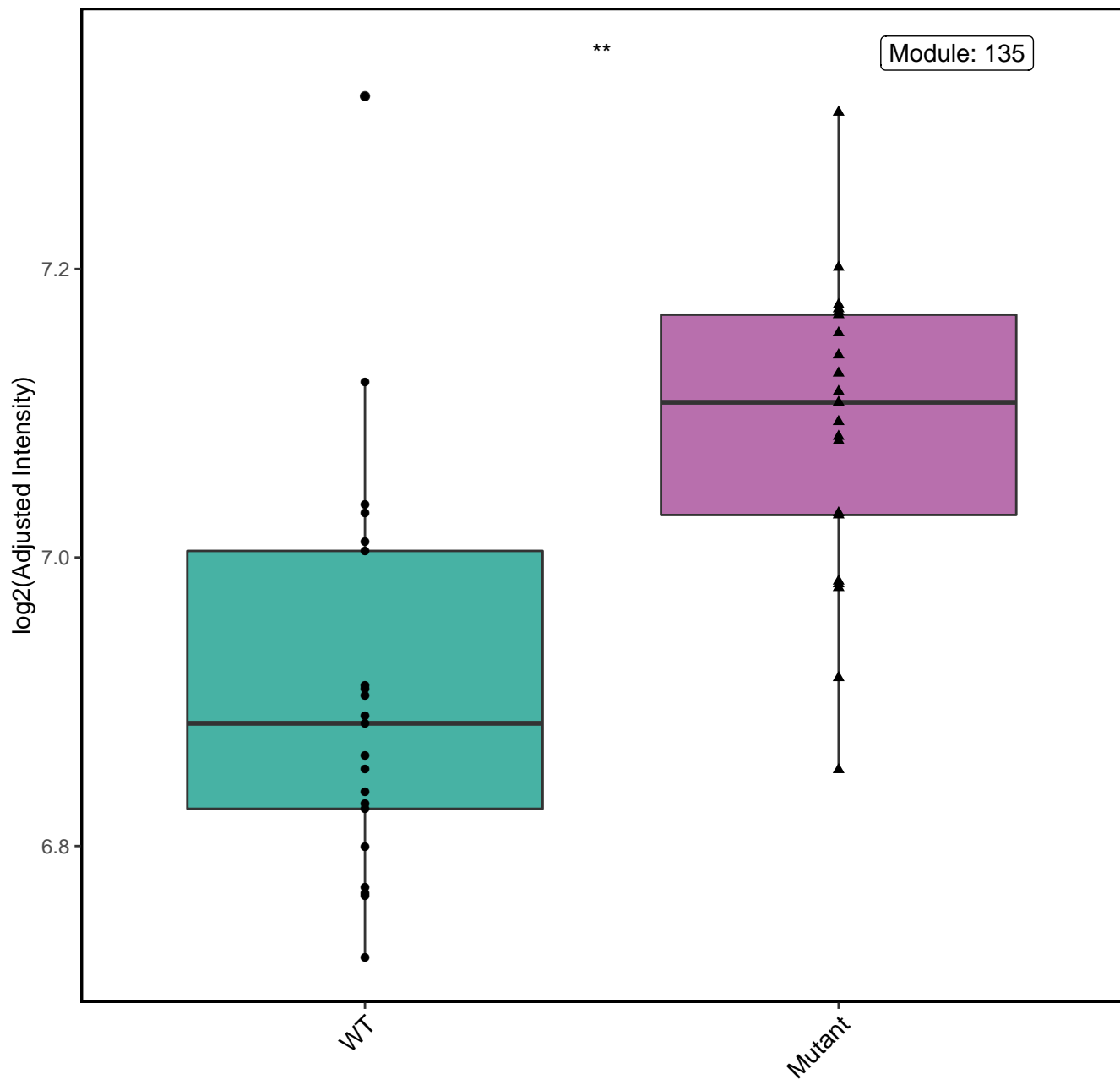


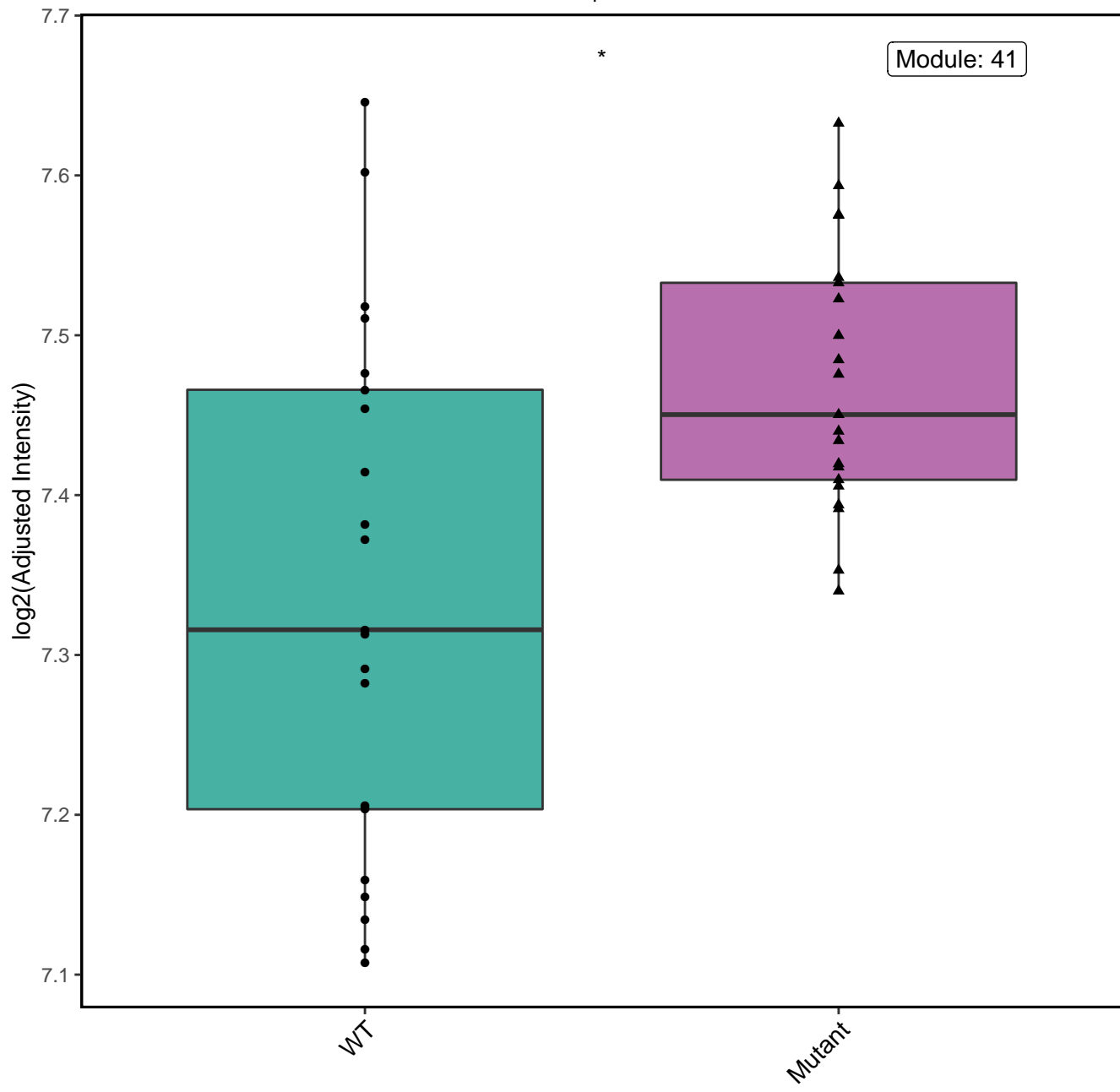












log2(Adjusted Intensity)

6.4

6.3

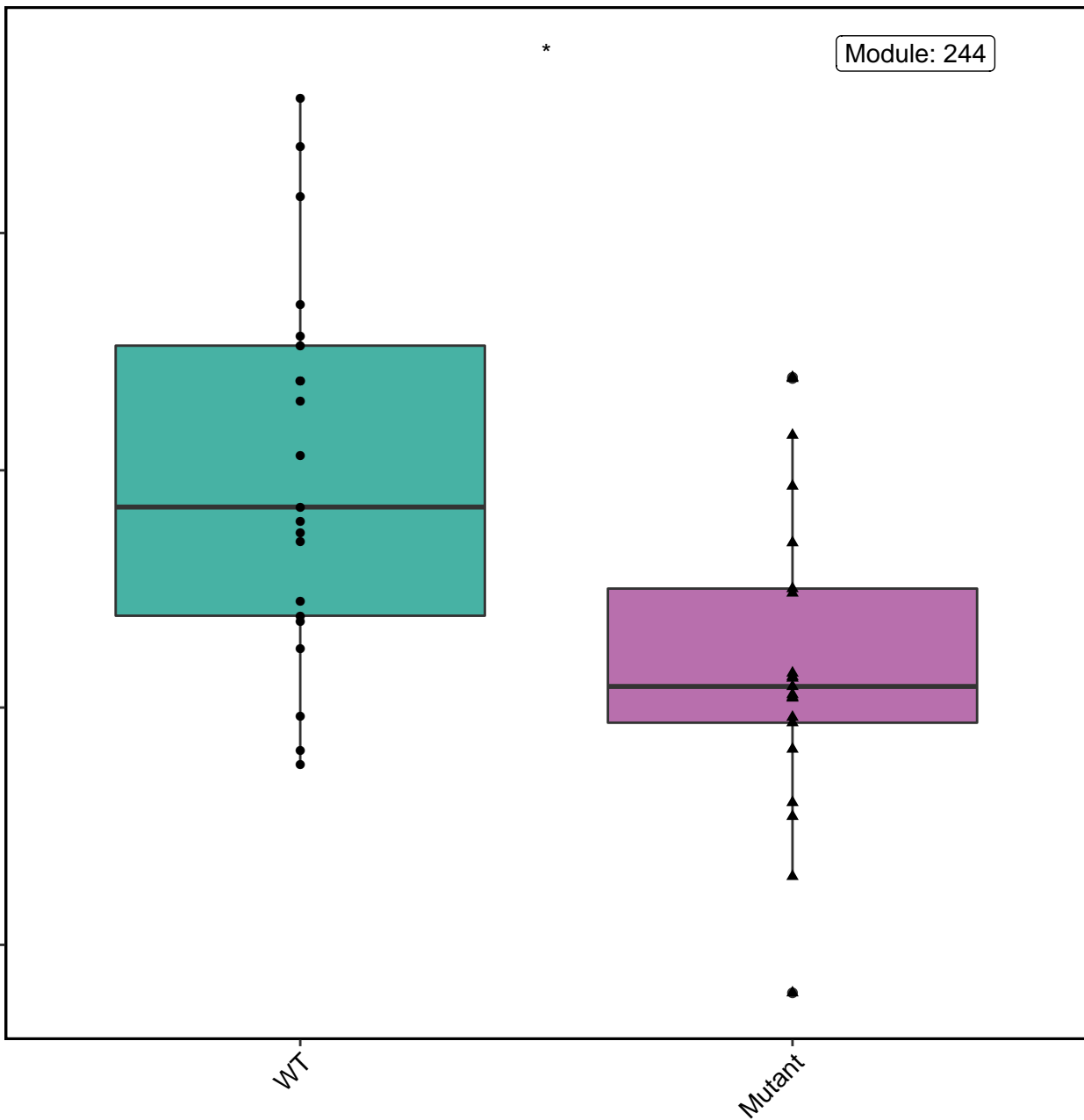
6.2

6.1

WT

Mutant

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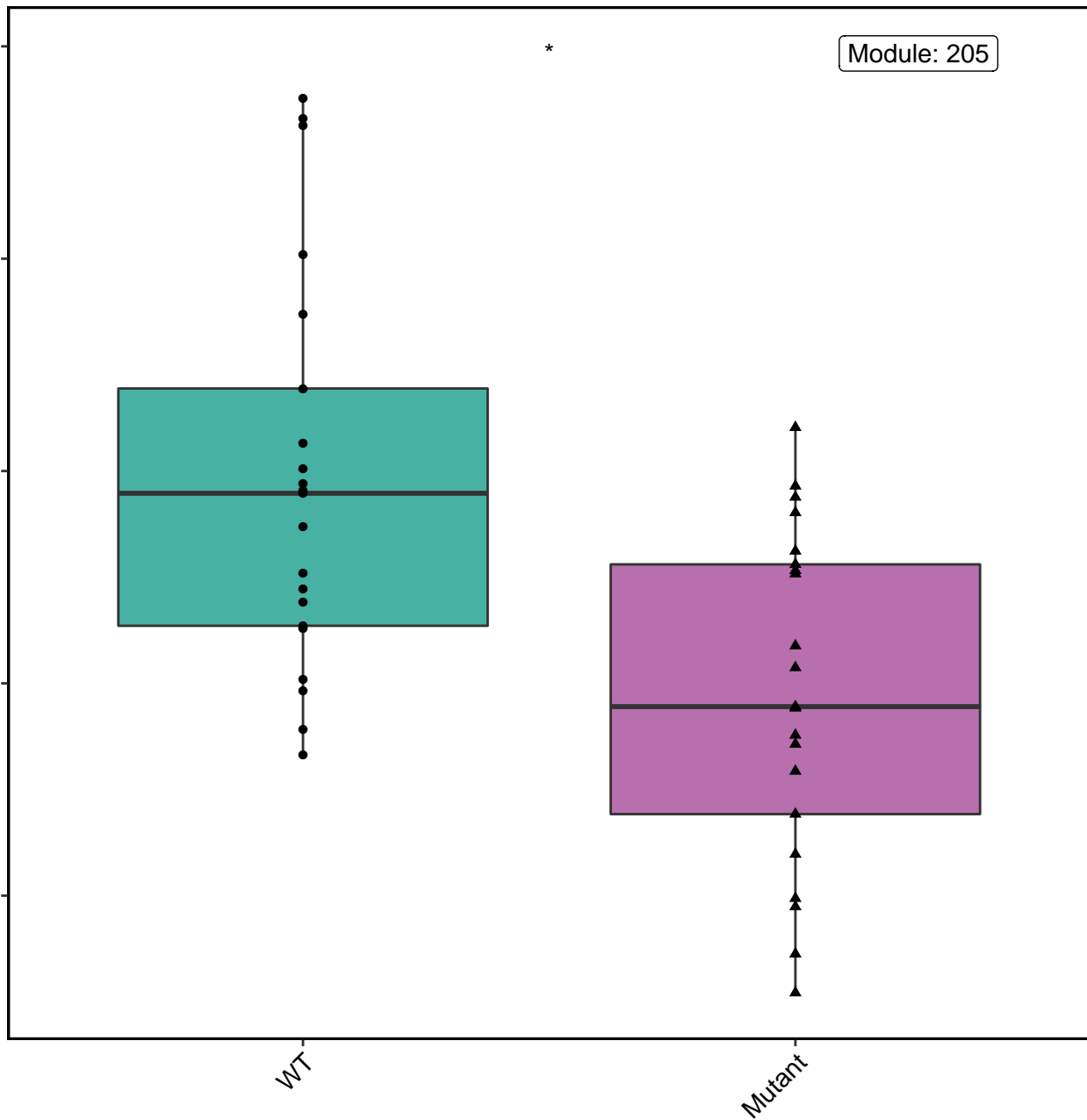


log2(Adjusted Intensity)

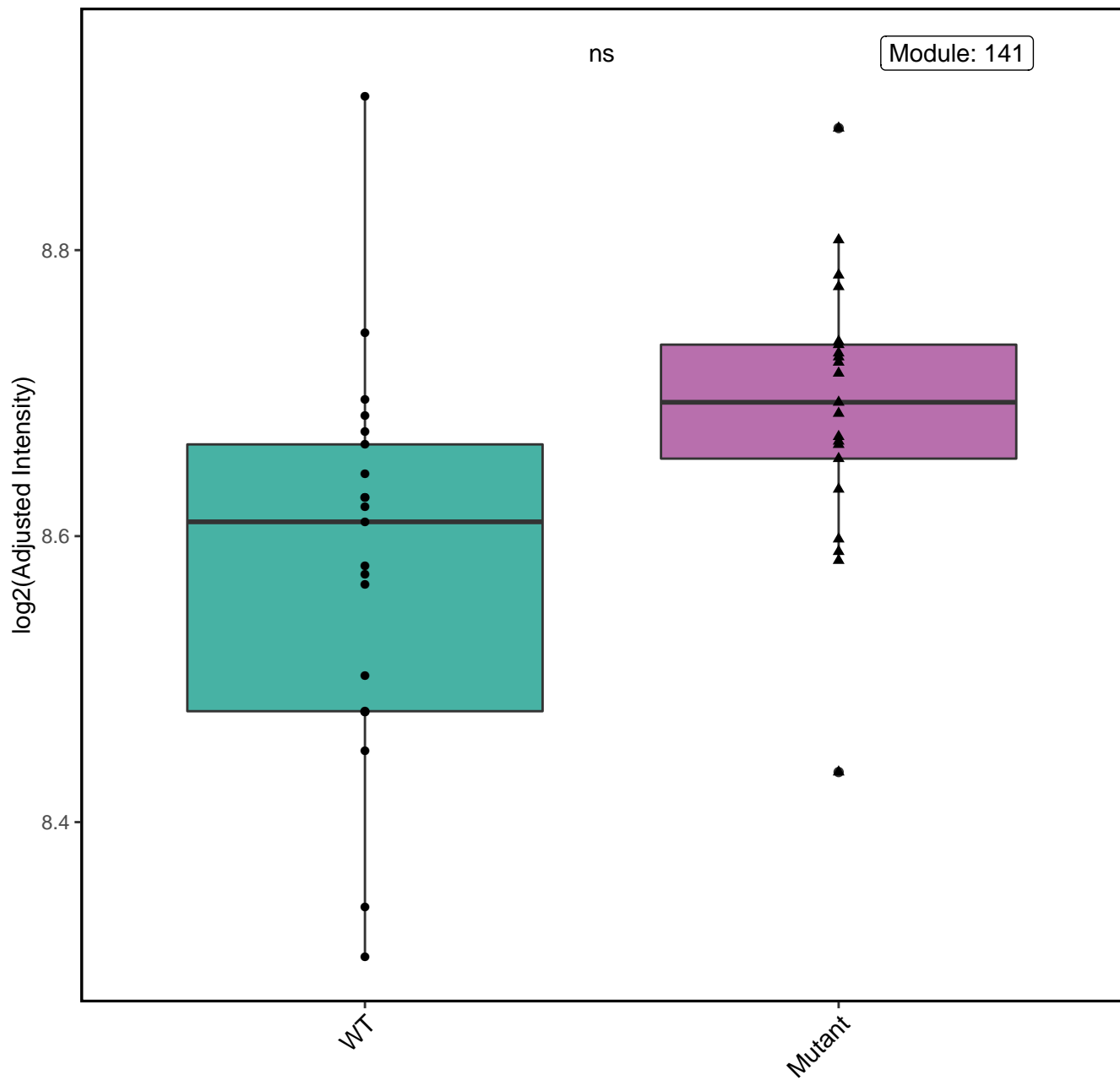
WT

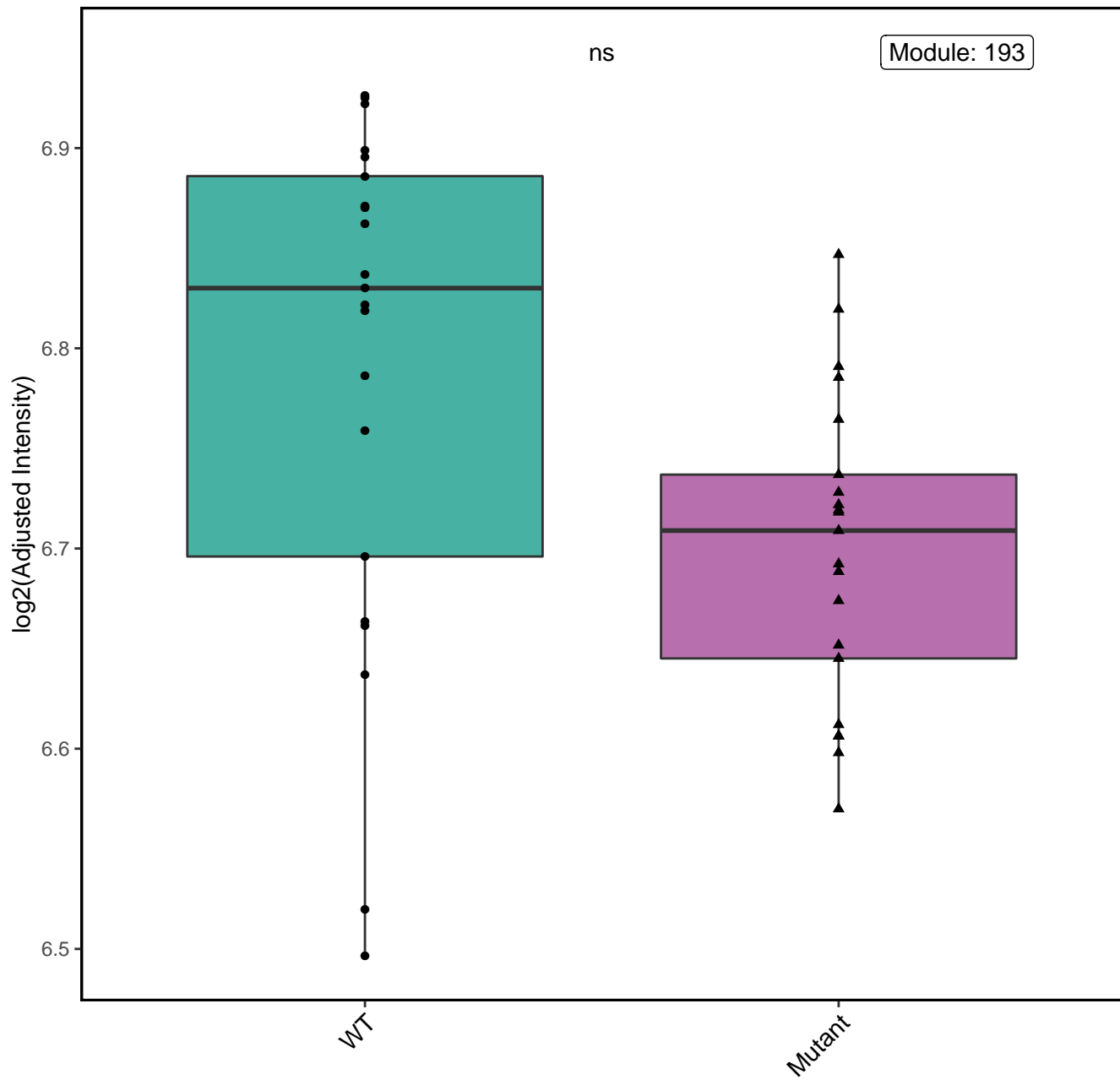
Mutant

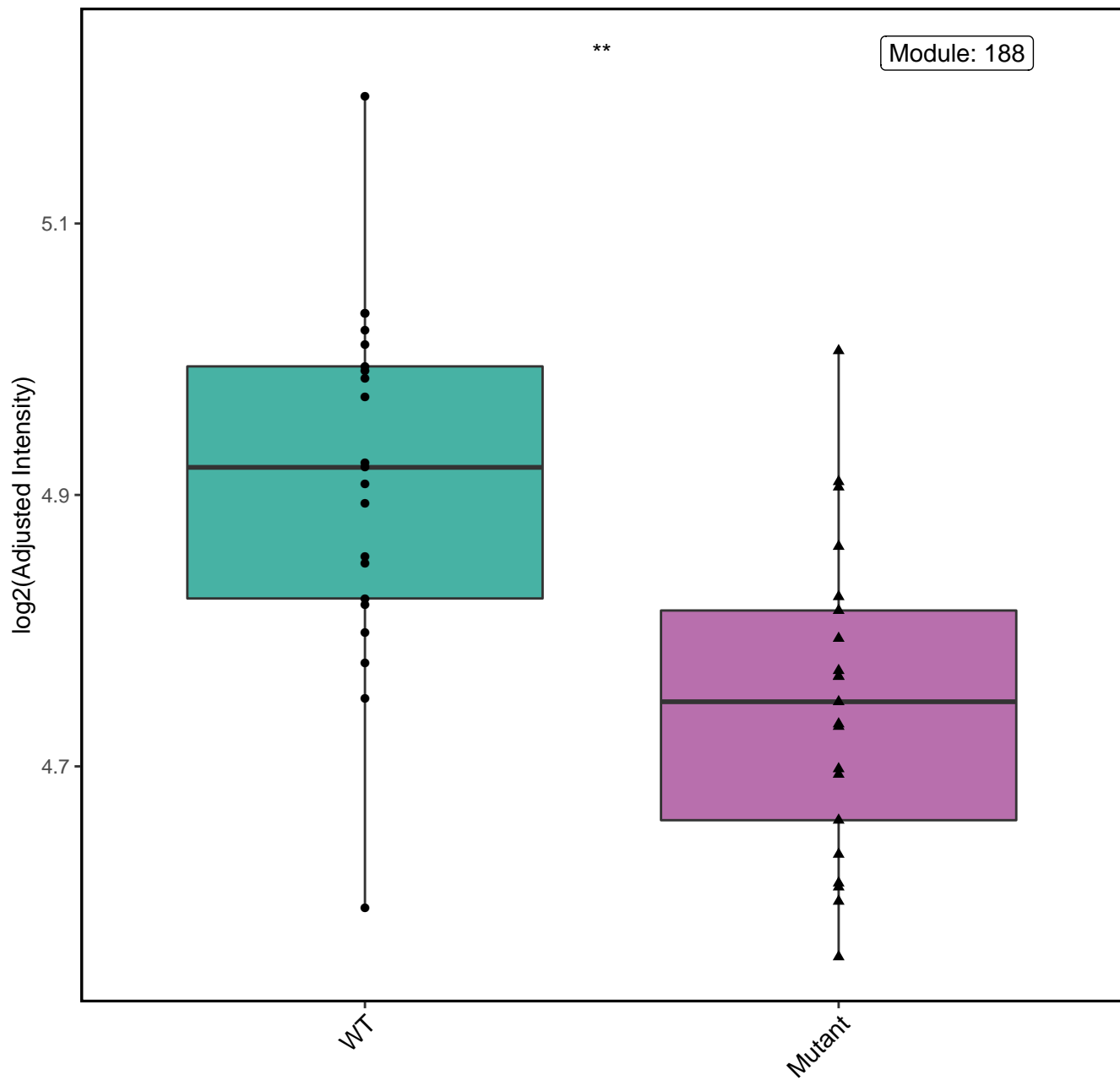
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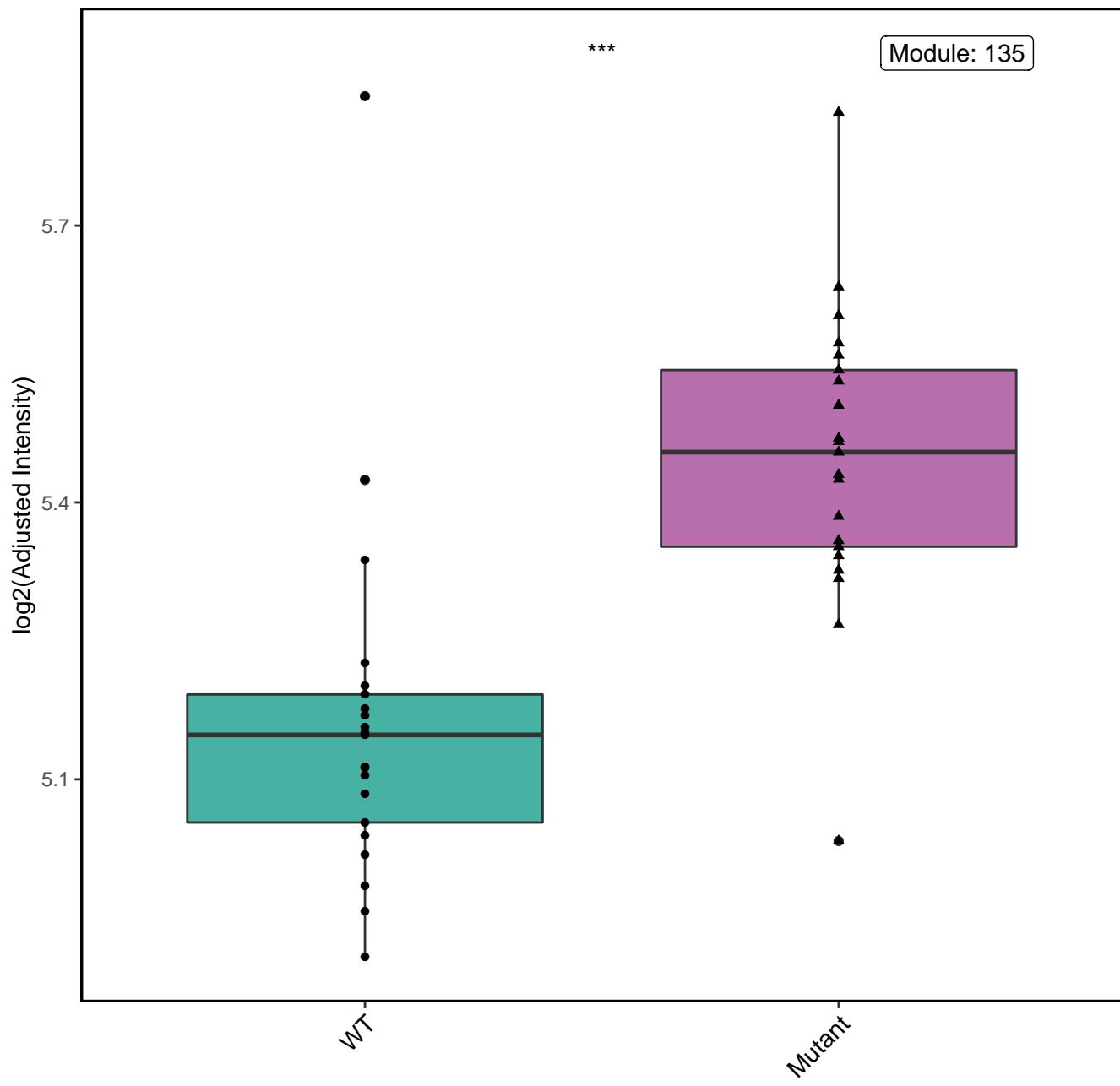


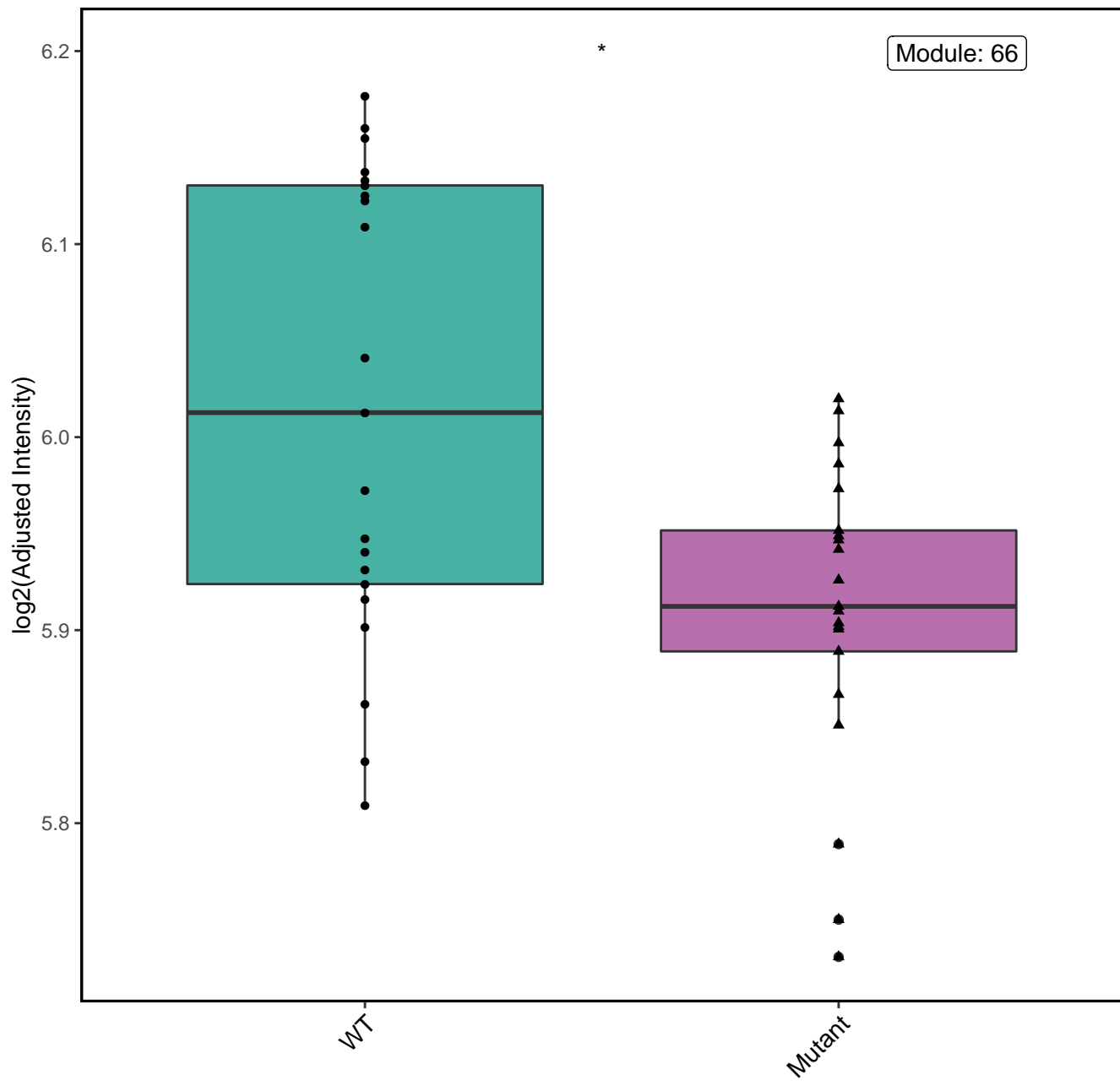


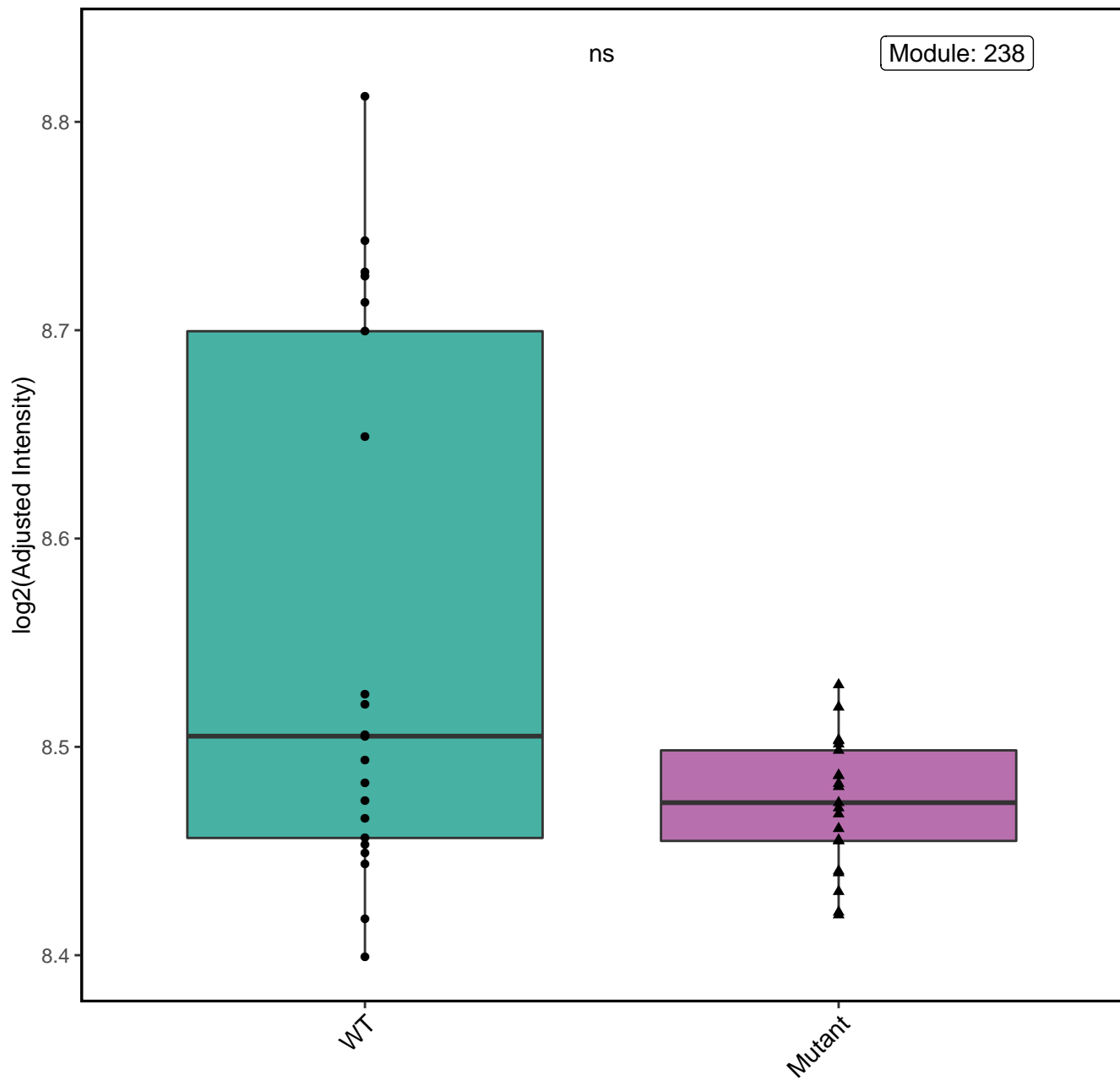










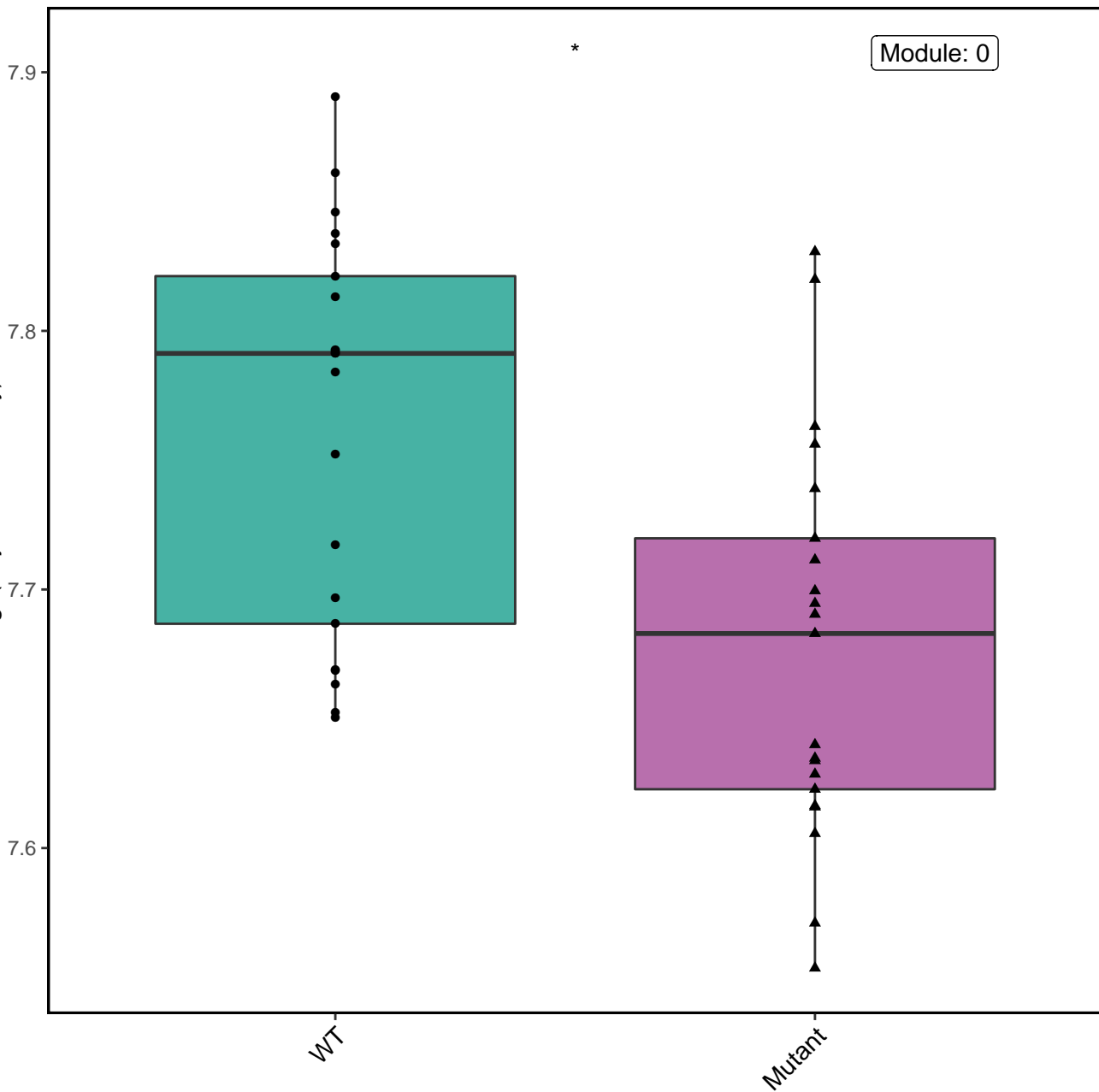


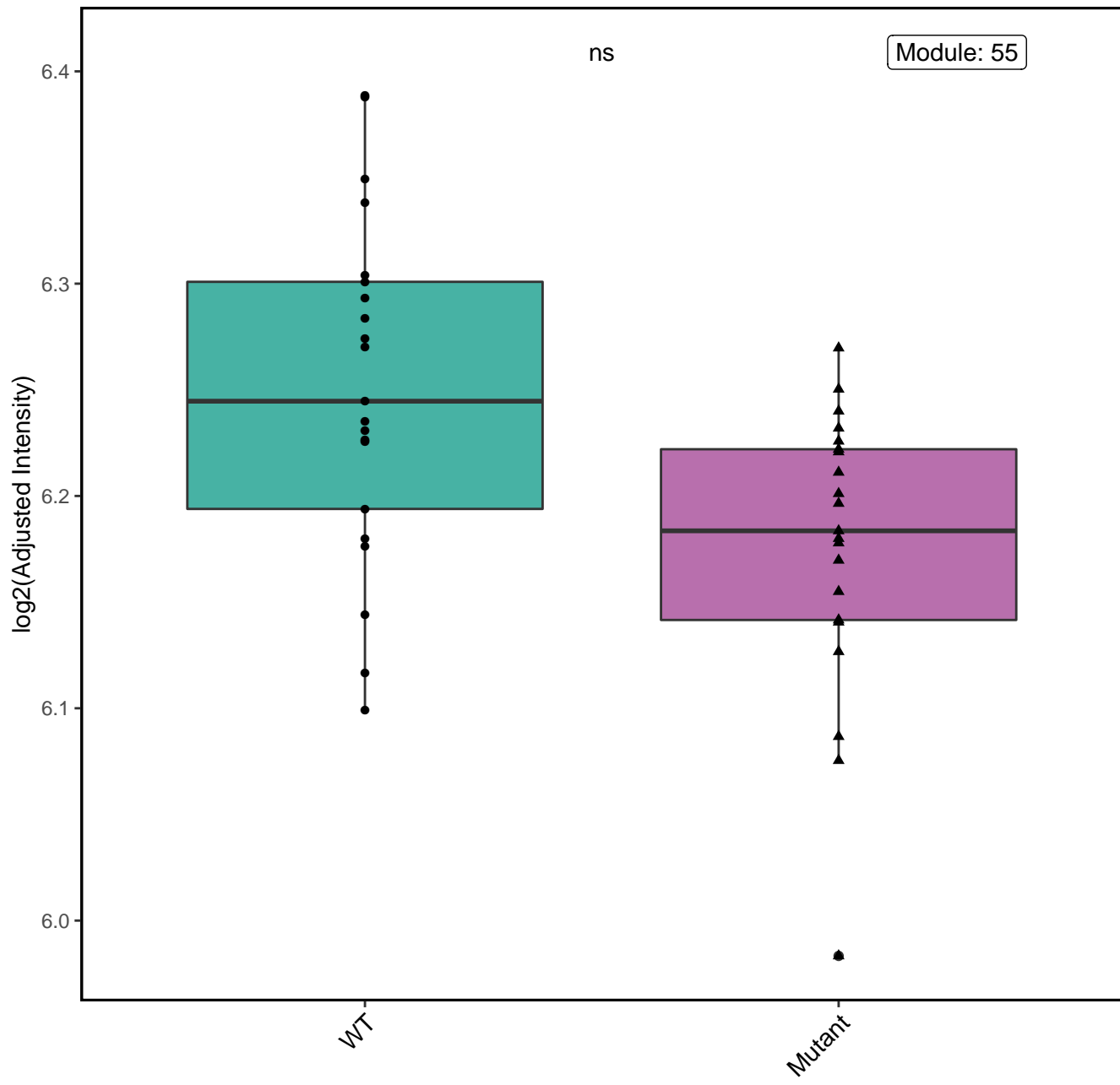
log2(Adjusted Intensity)

WT

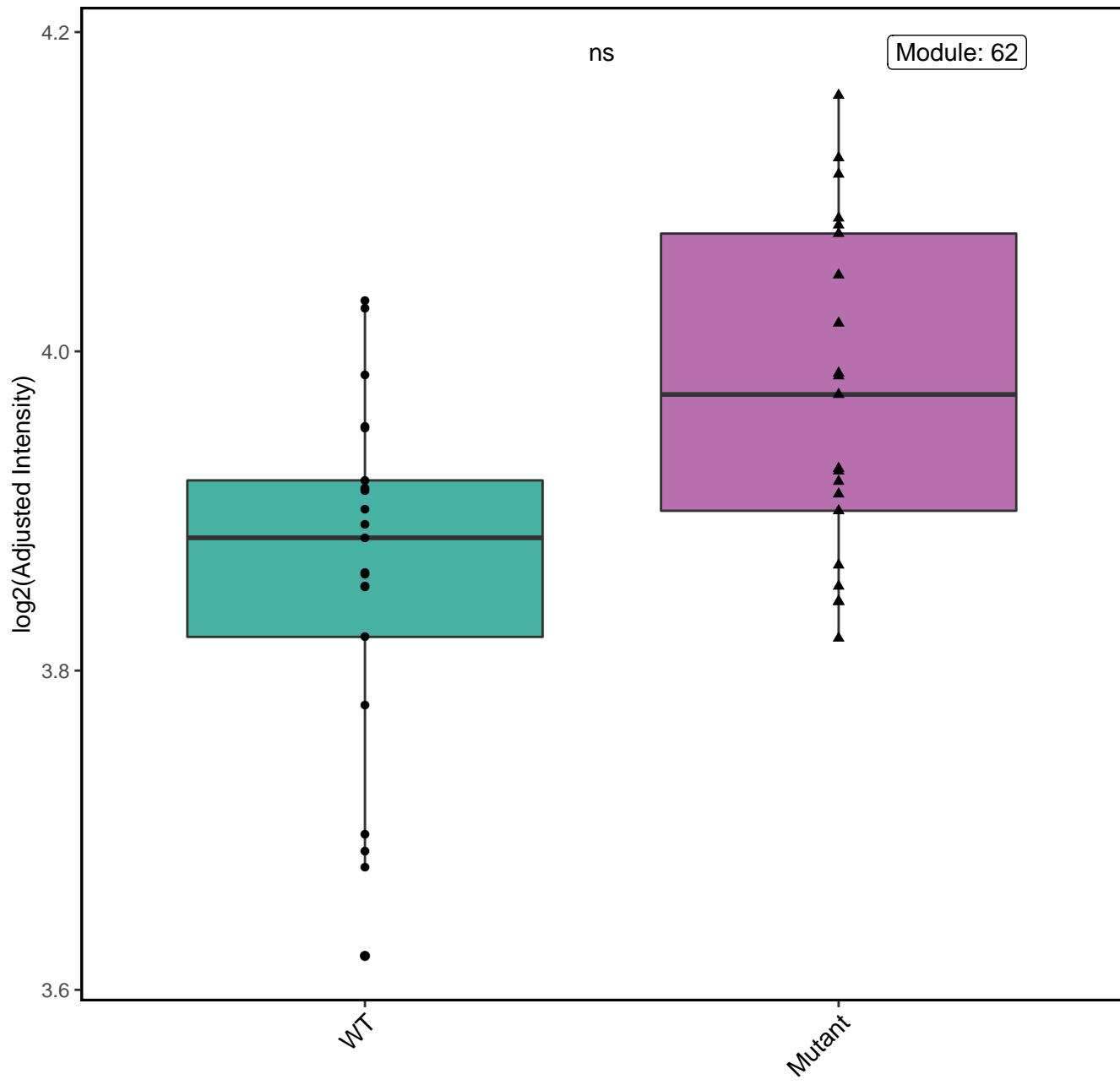
Mutant

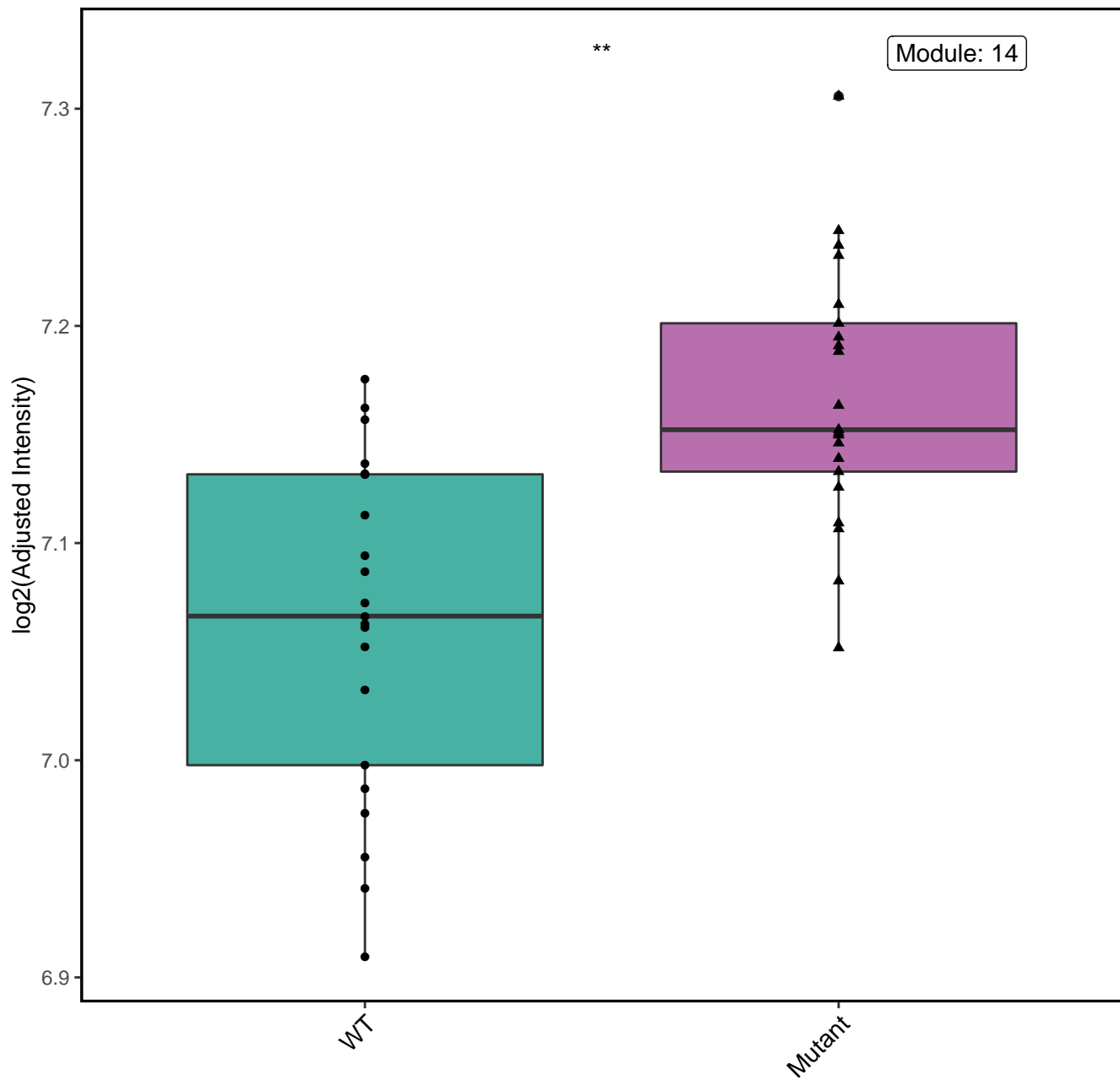
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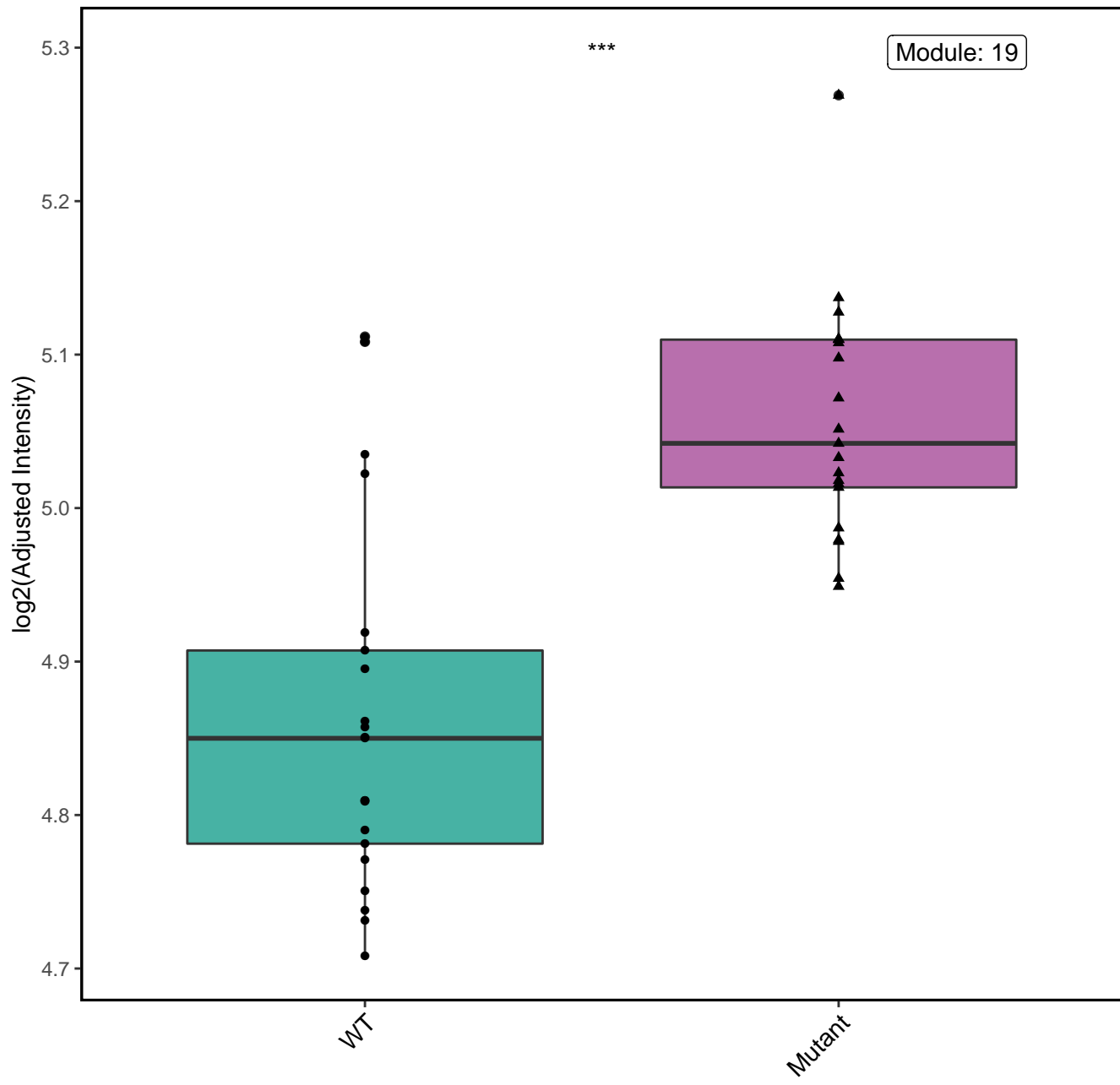










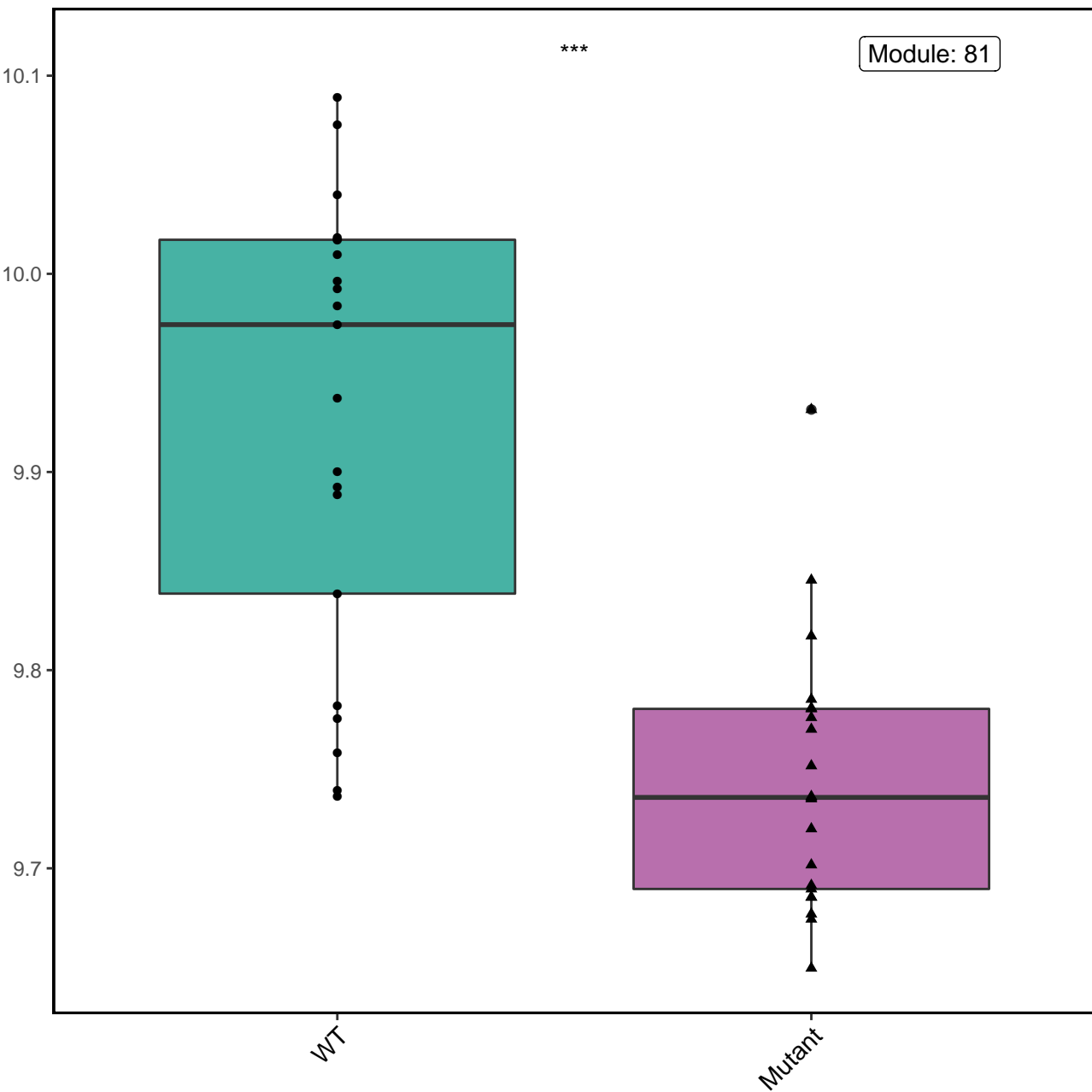


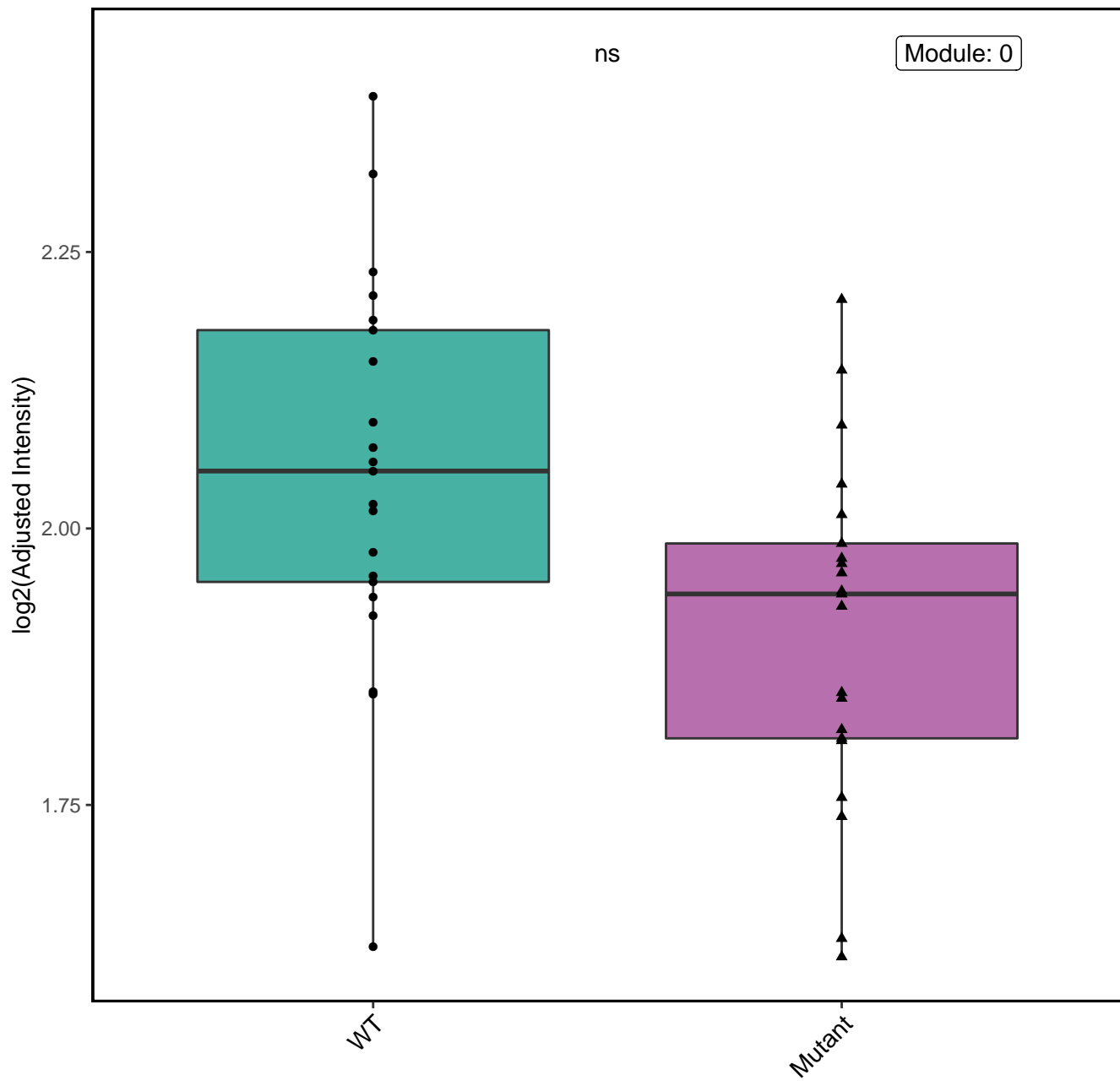
log2(Adjusted Intensity)

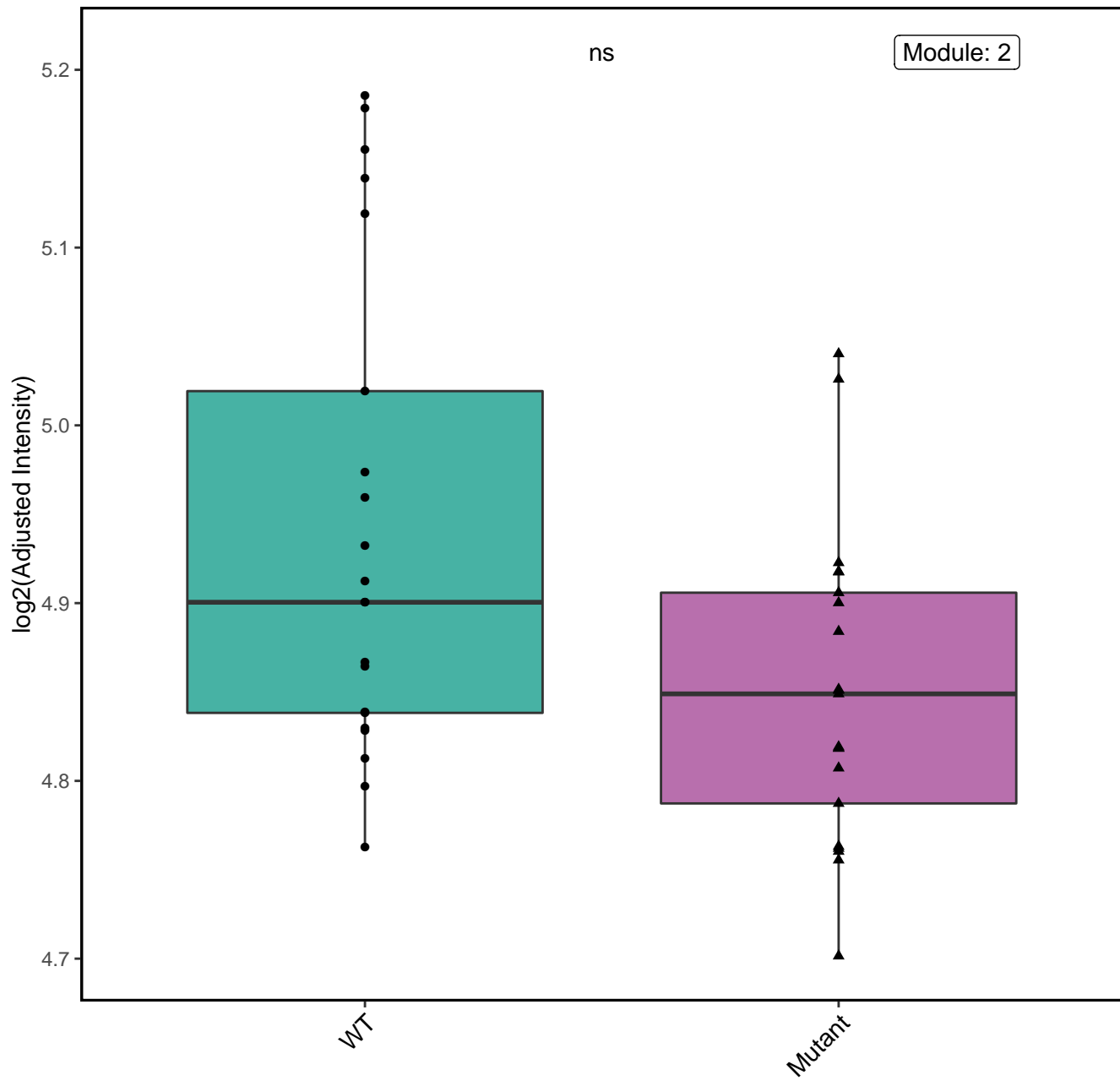
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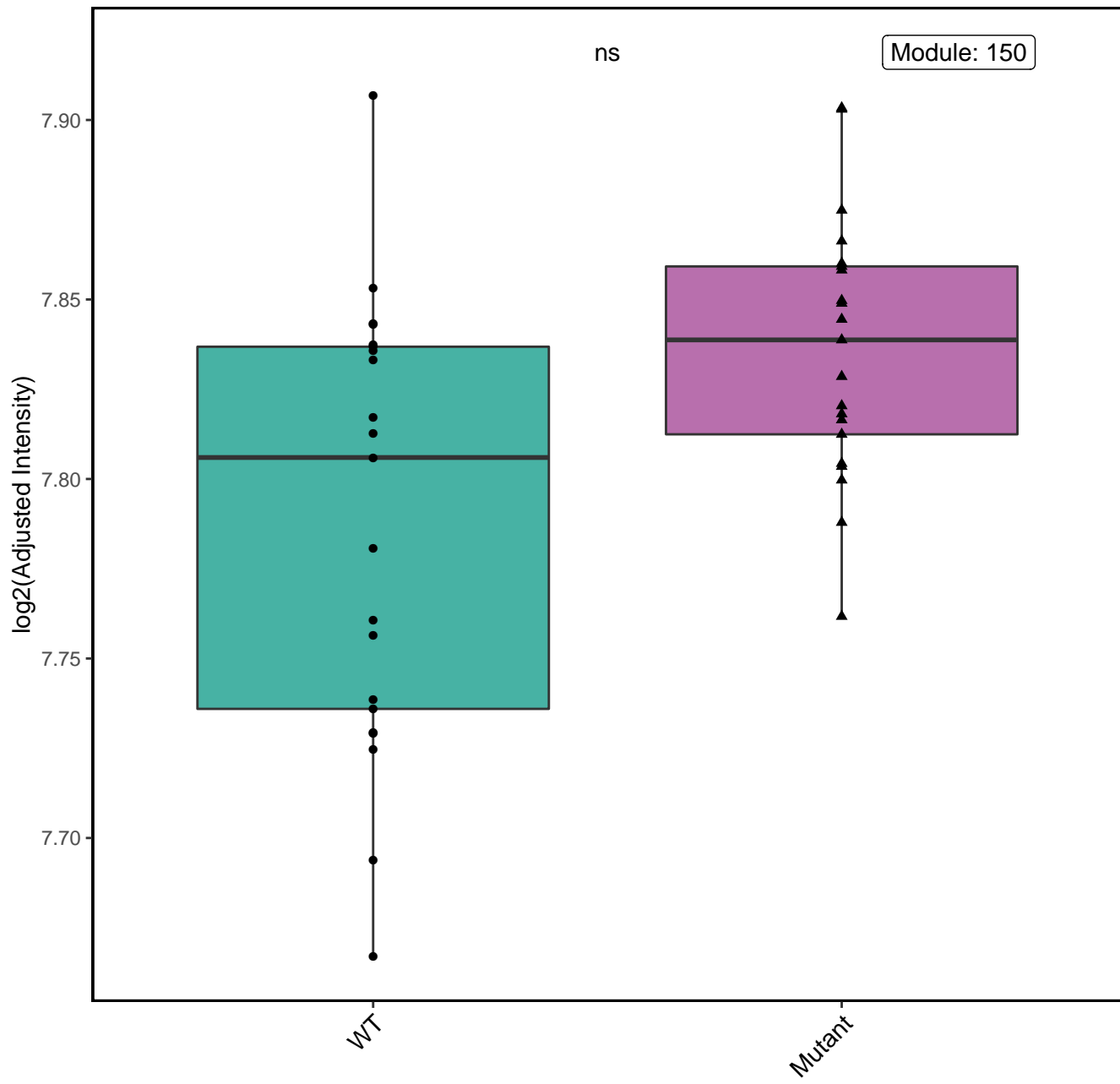
WT

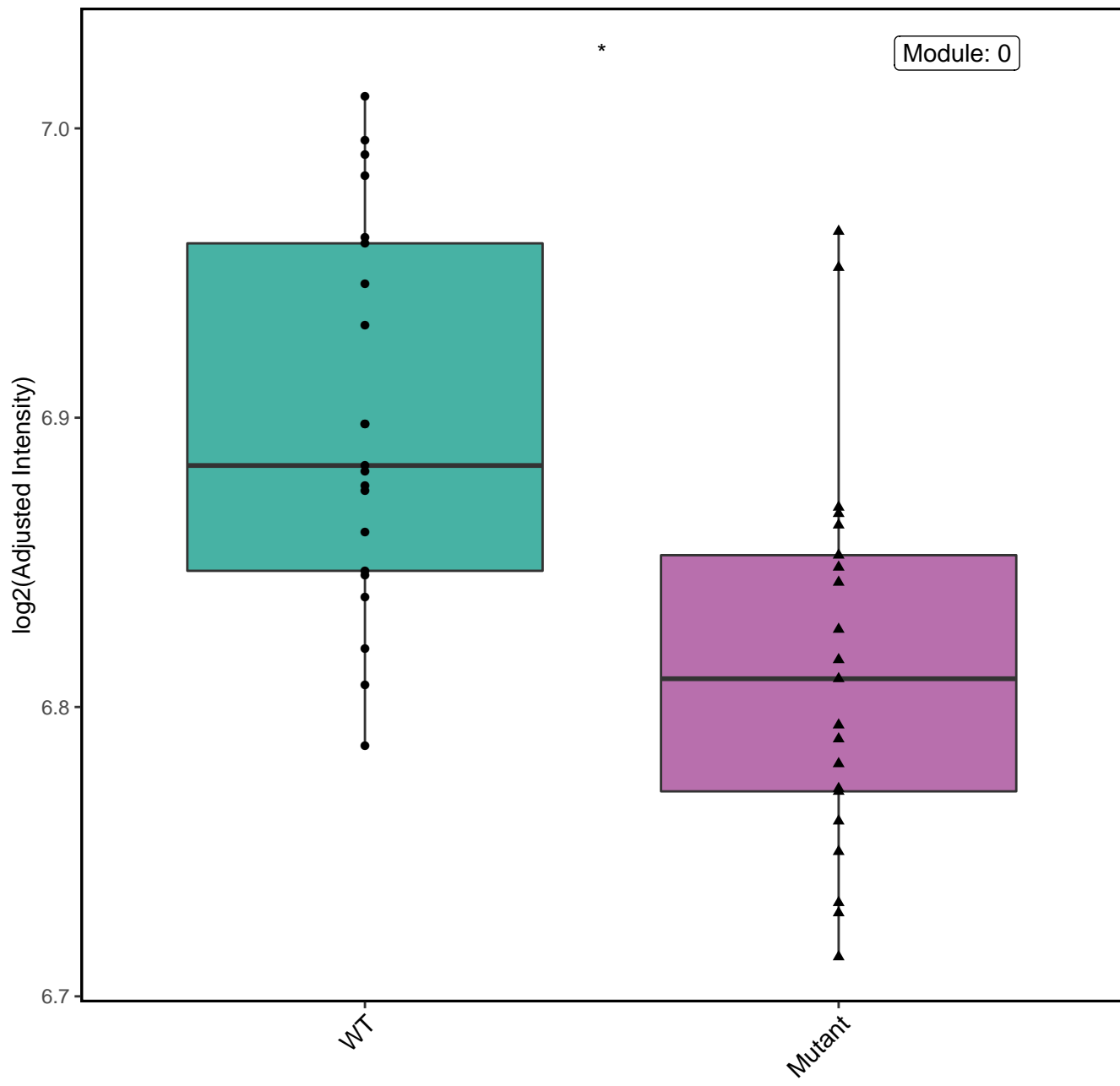
Mutant



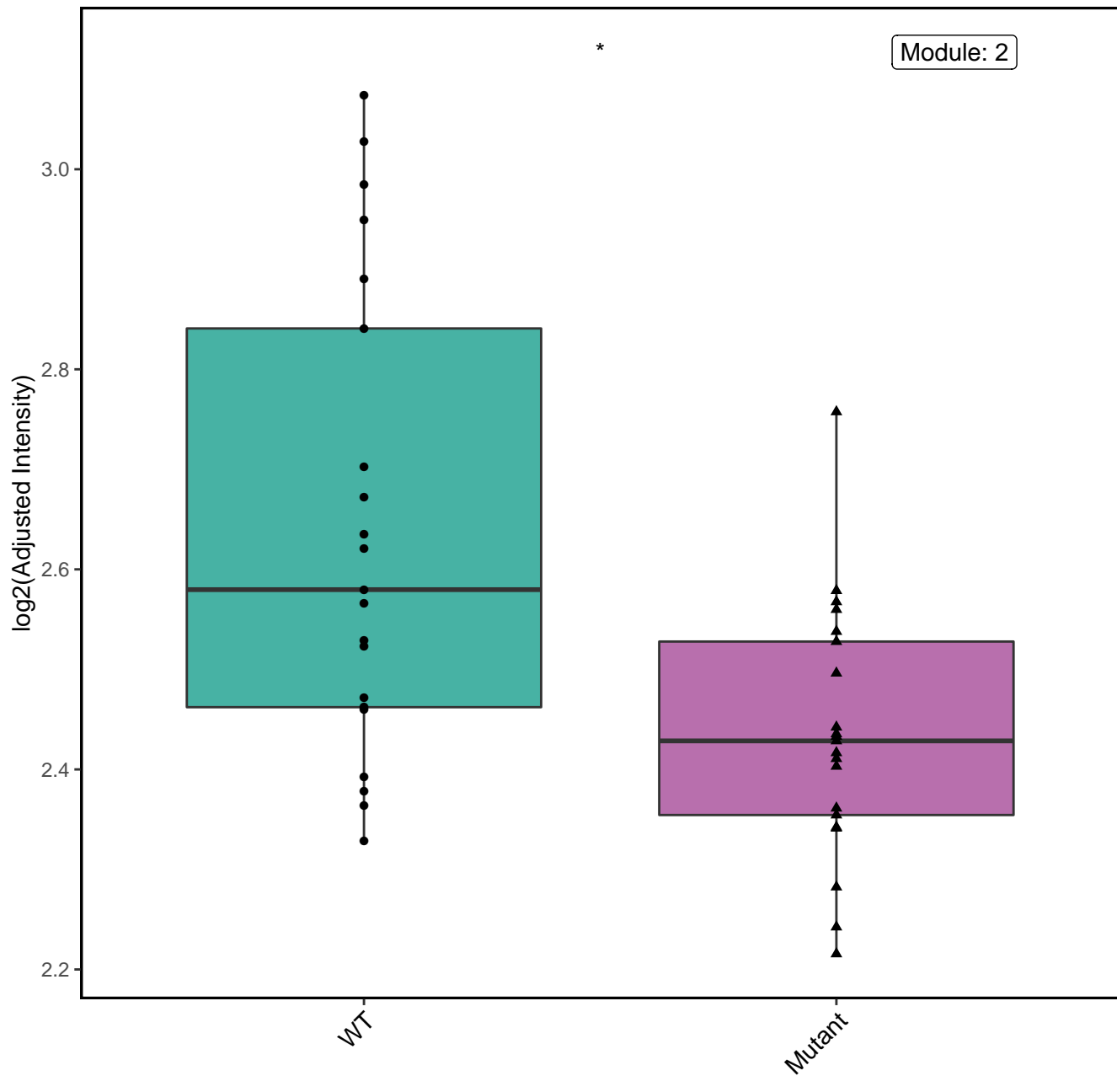


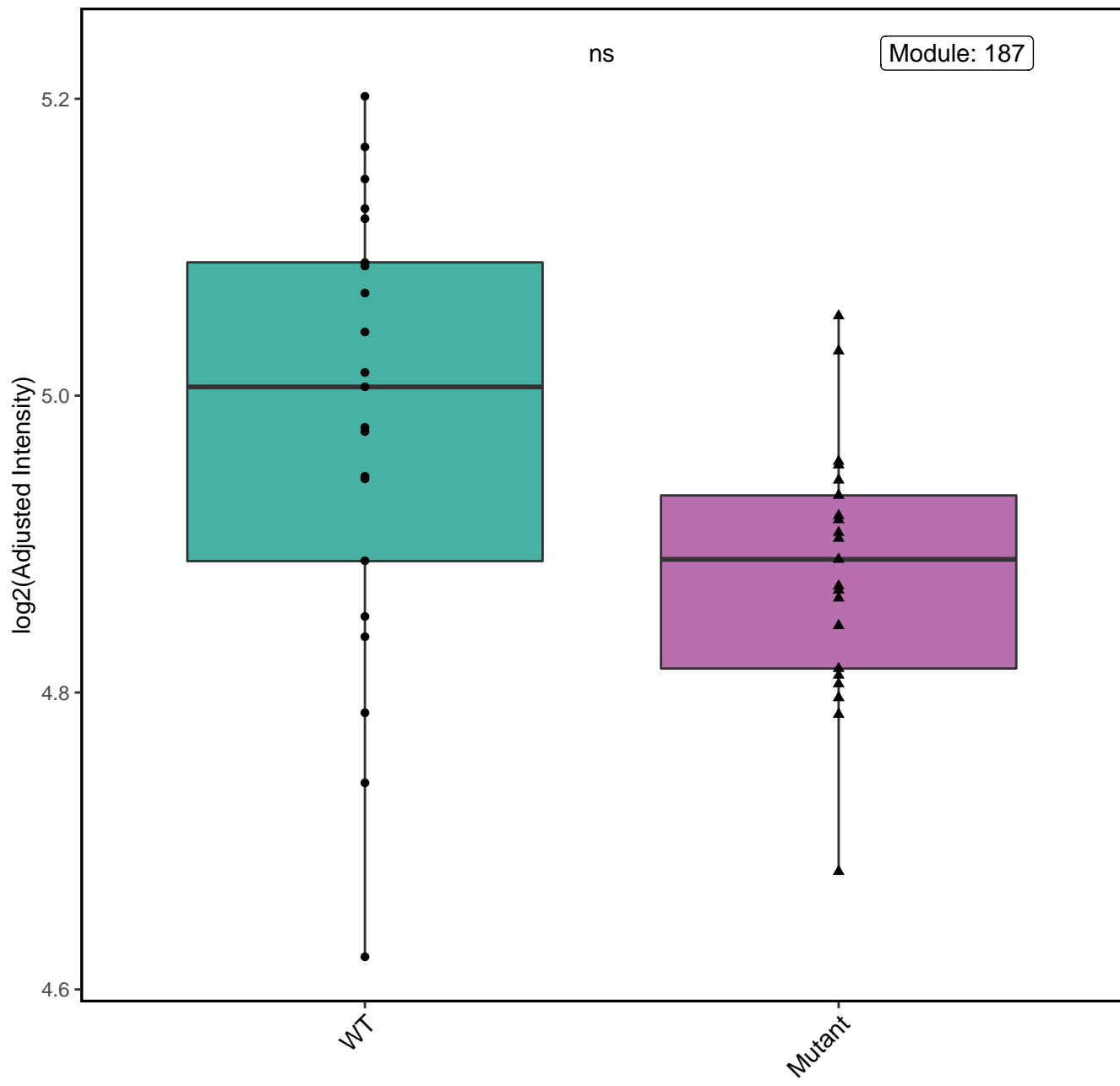


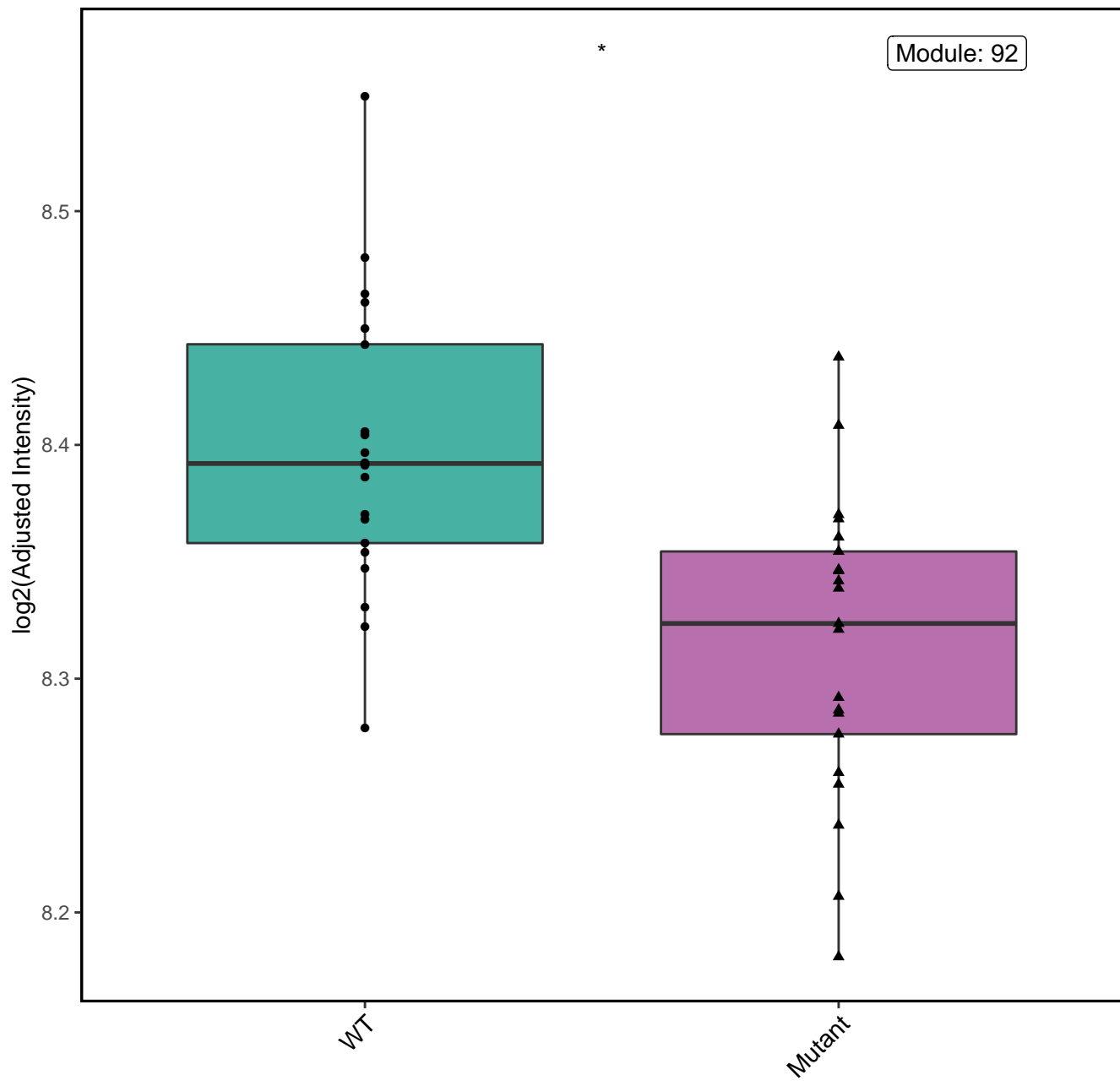


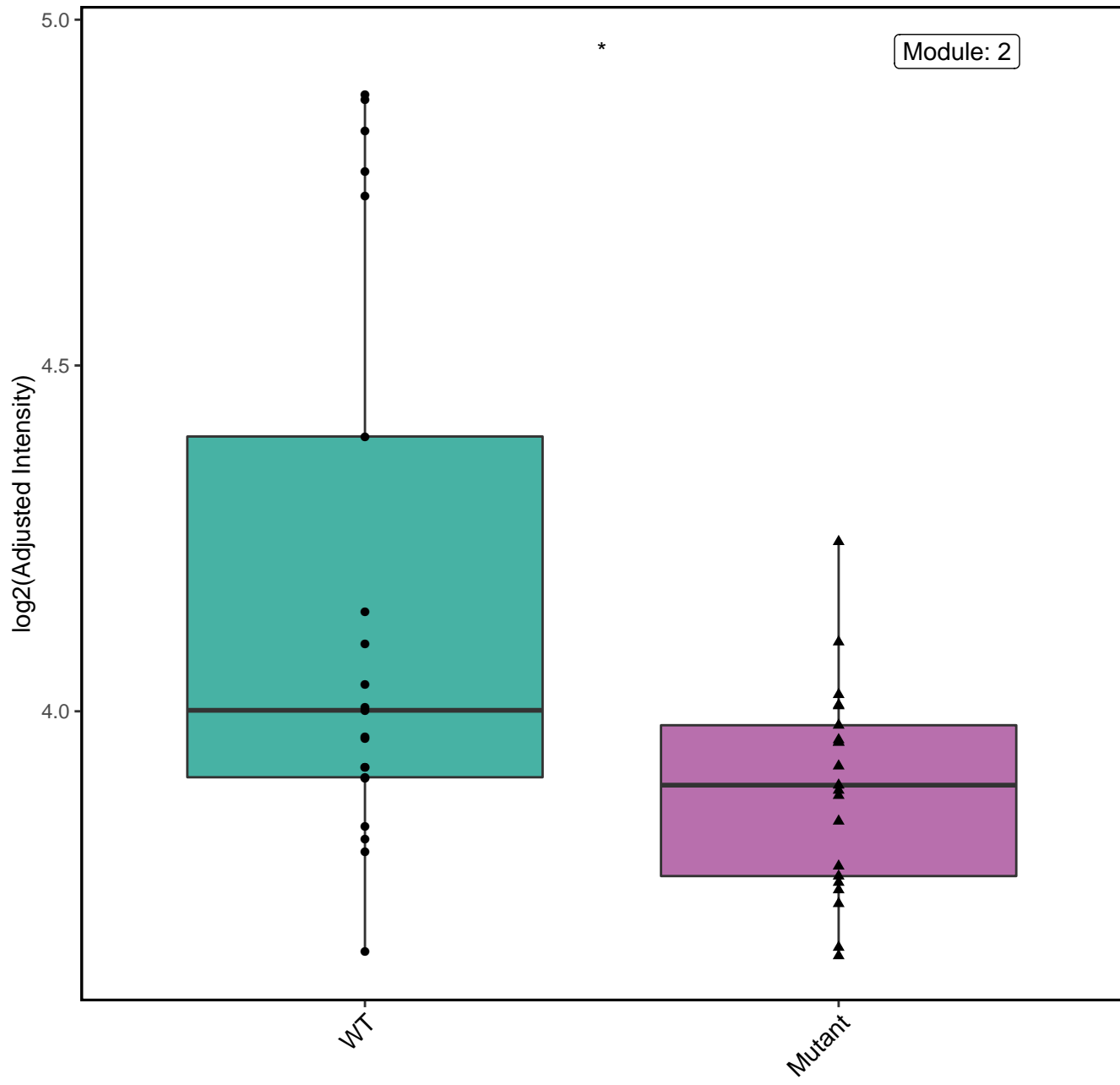


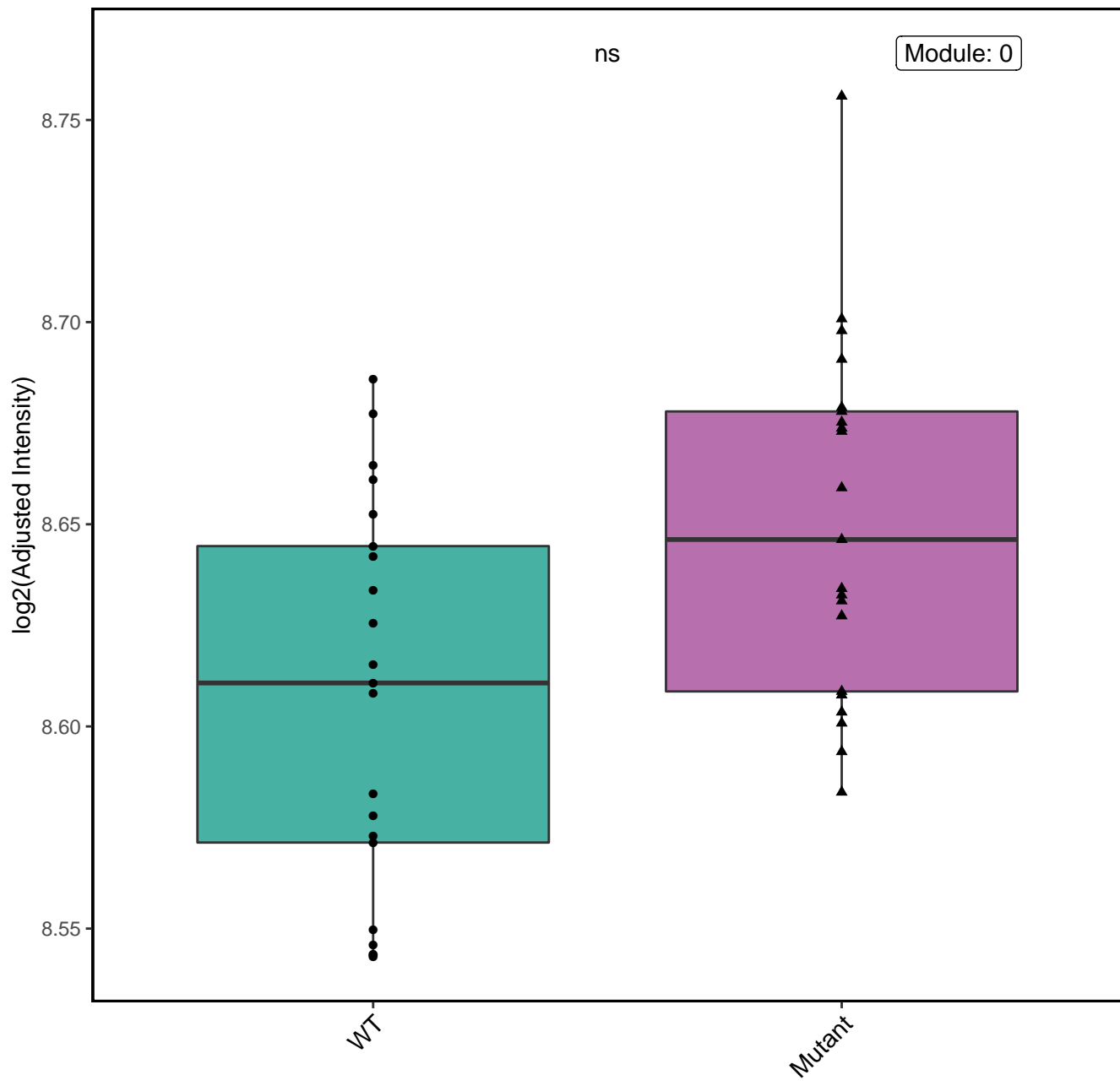












log2(Adjusted Intensity)

WT

Mutant

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9.75

9.50

9.25

9.00

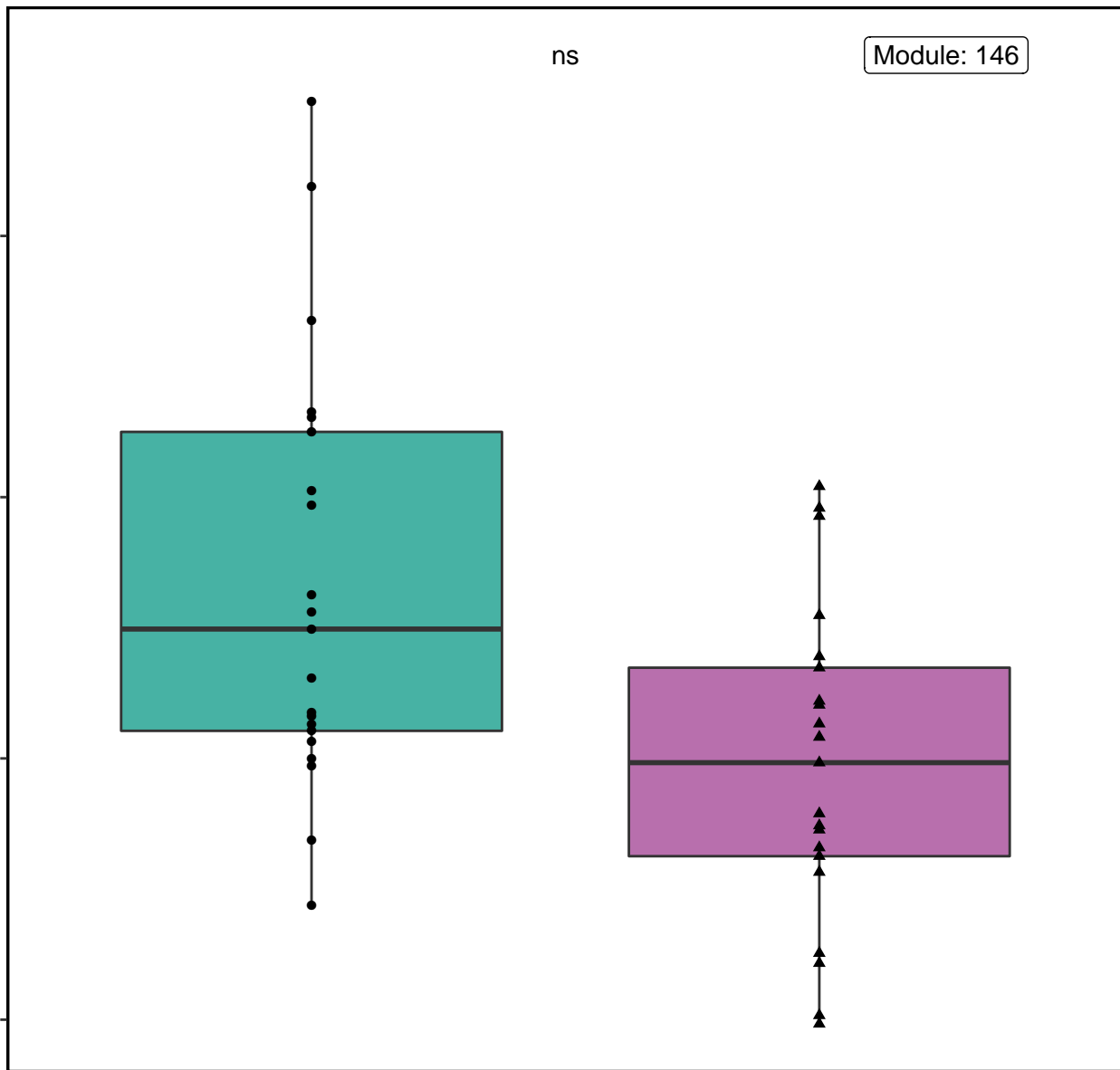
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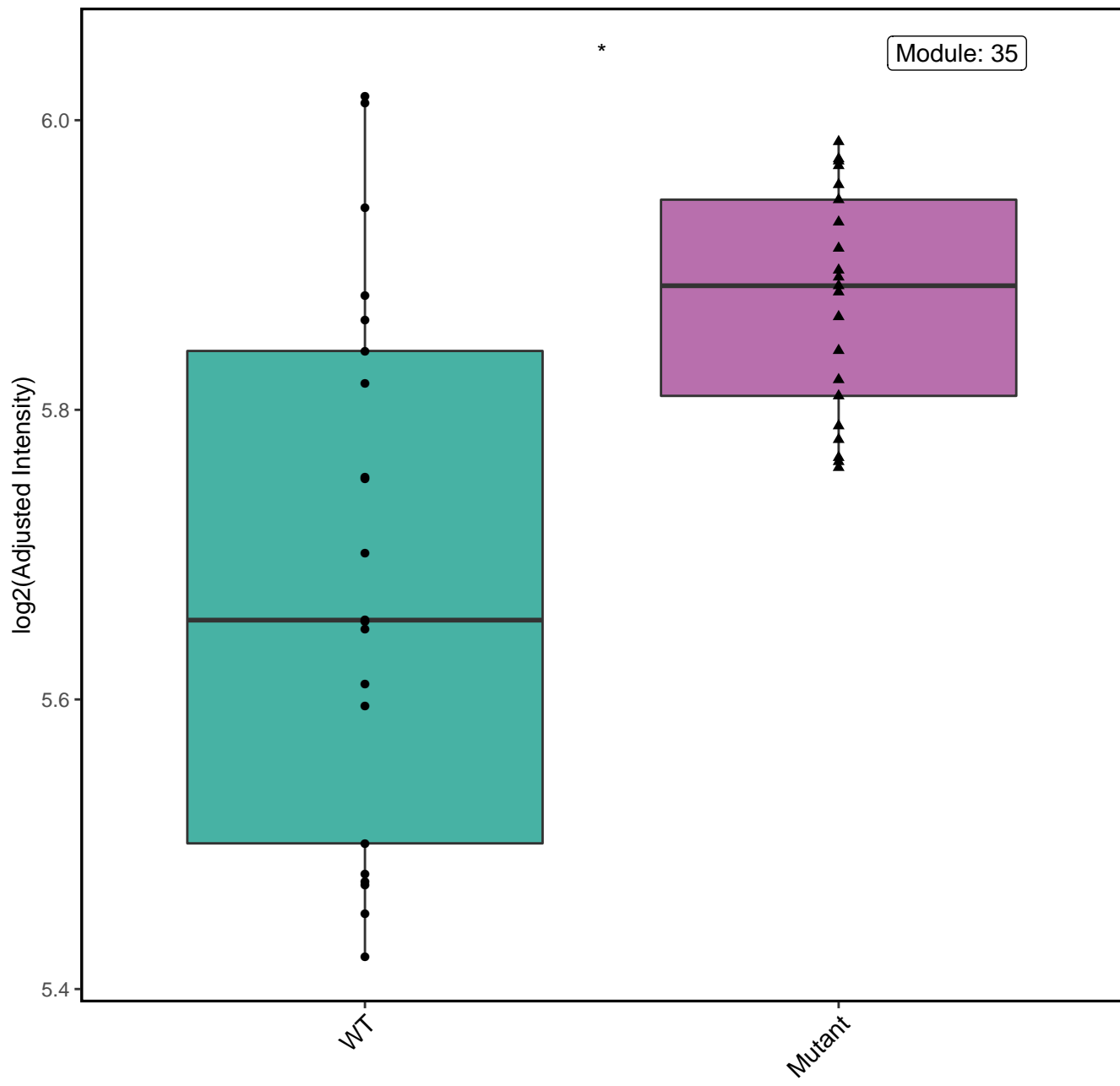
Module: 146

log2(Adjusted Intensity)

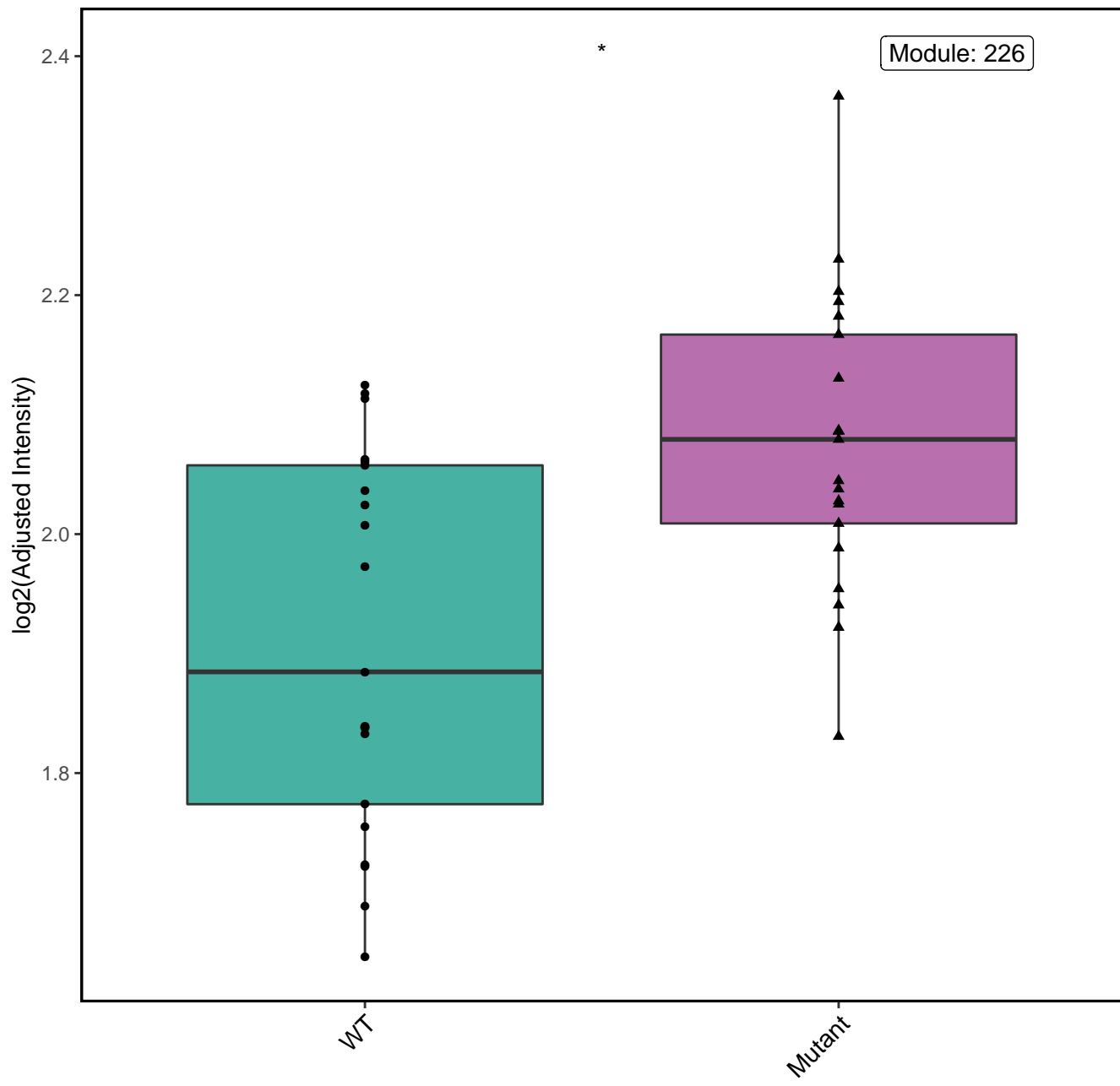
WT

Mutant









log2(Adjusted Intensity)

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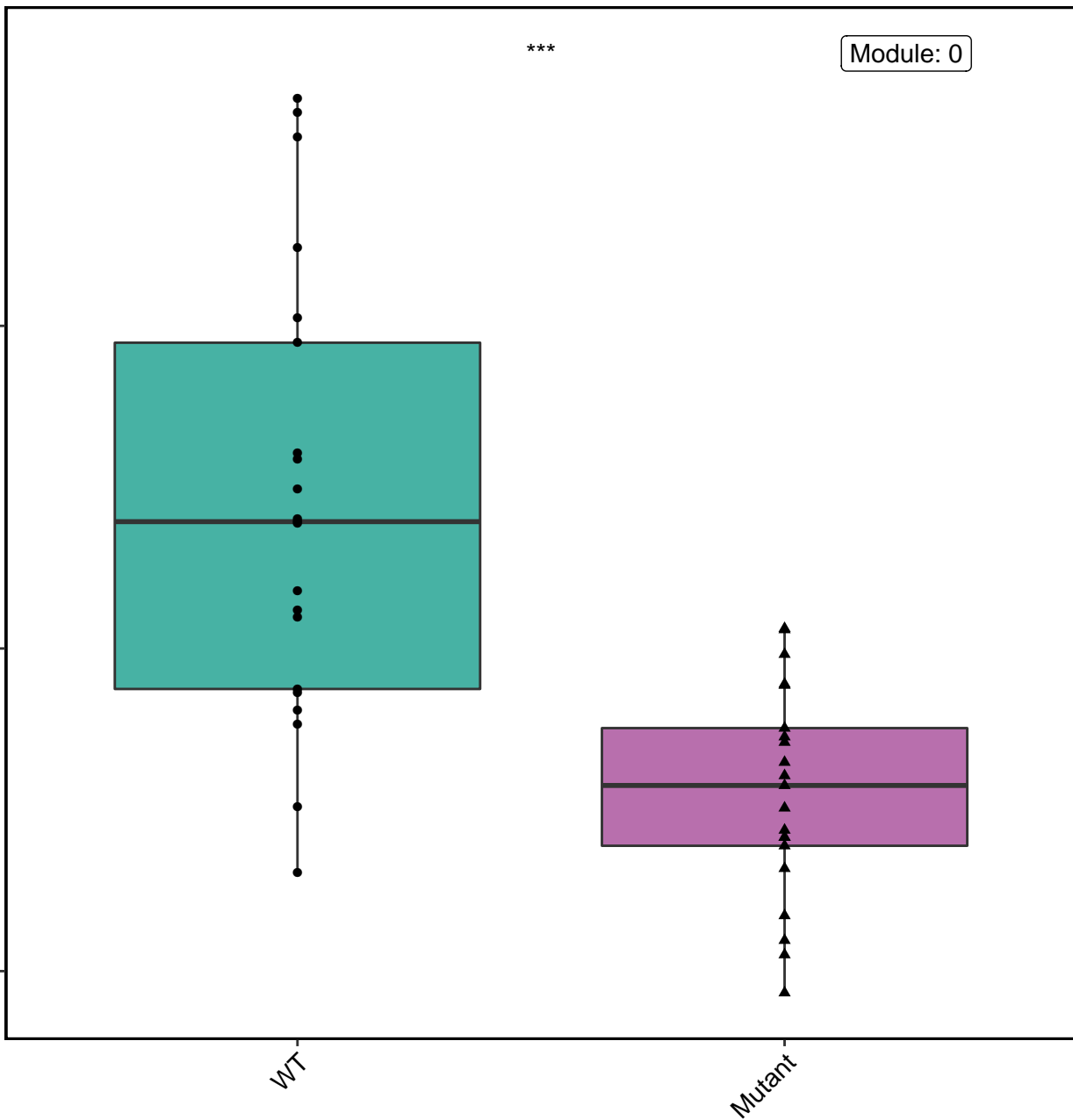
12.2

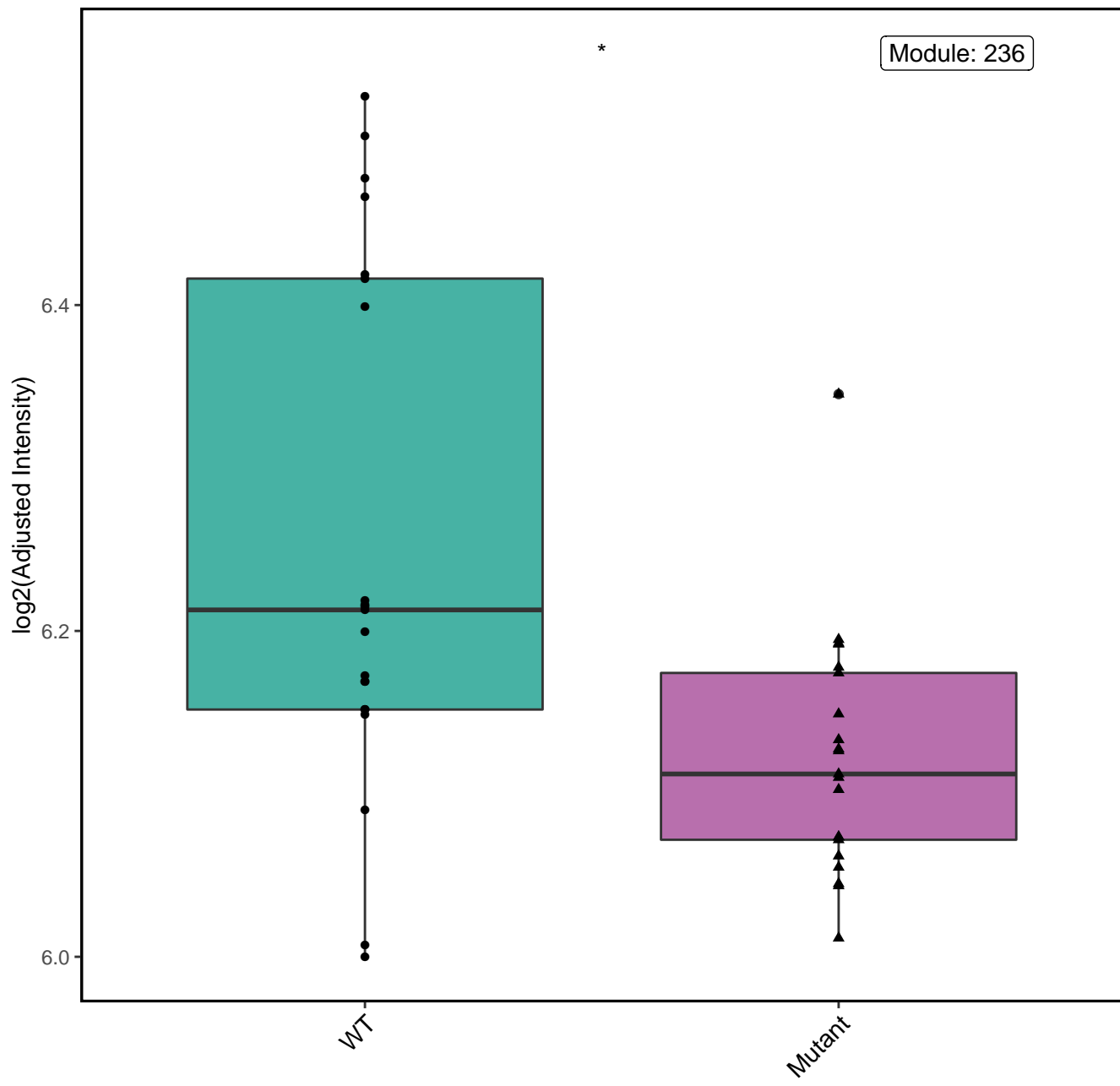
12.0

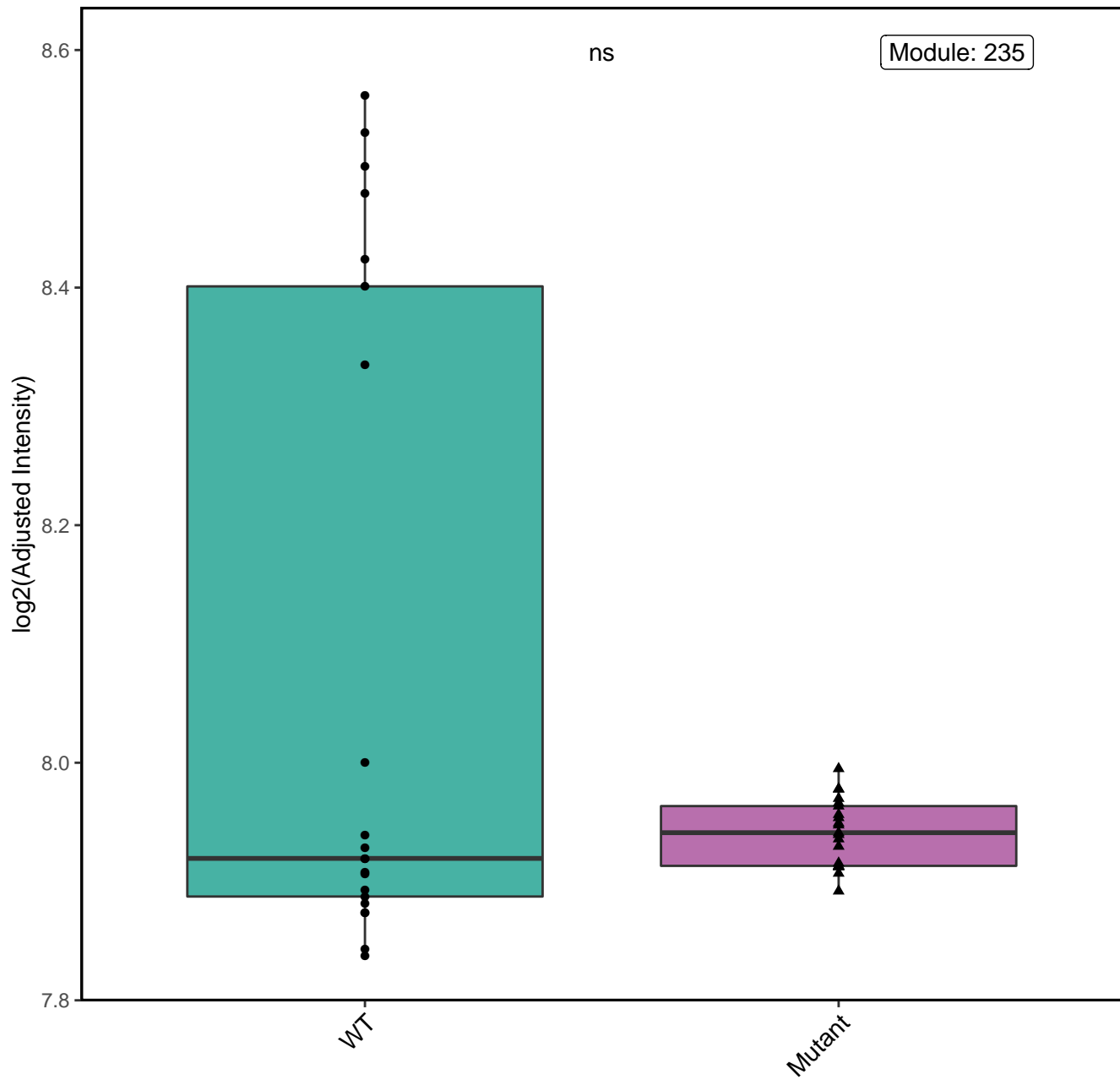
11.8

WT

Mutant





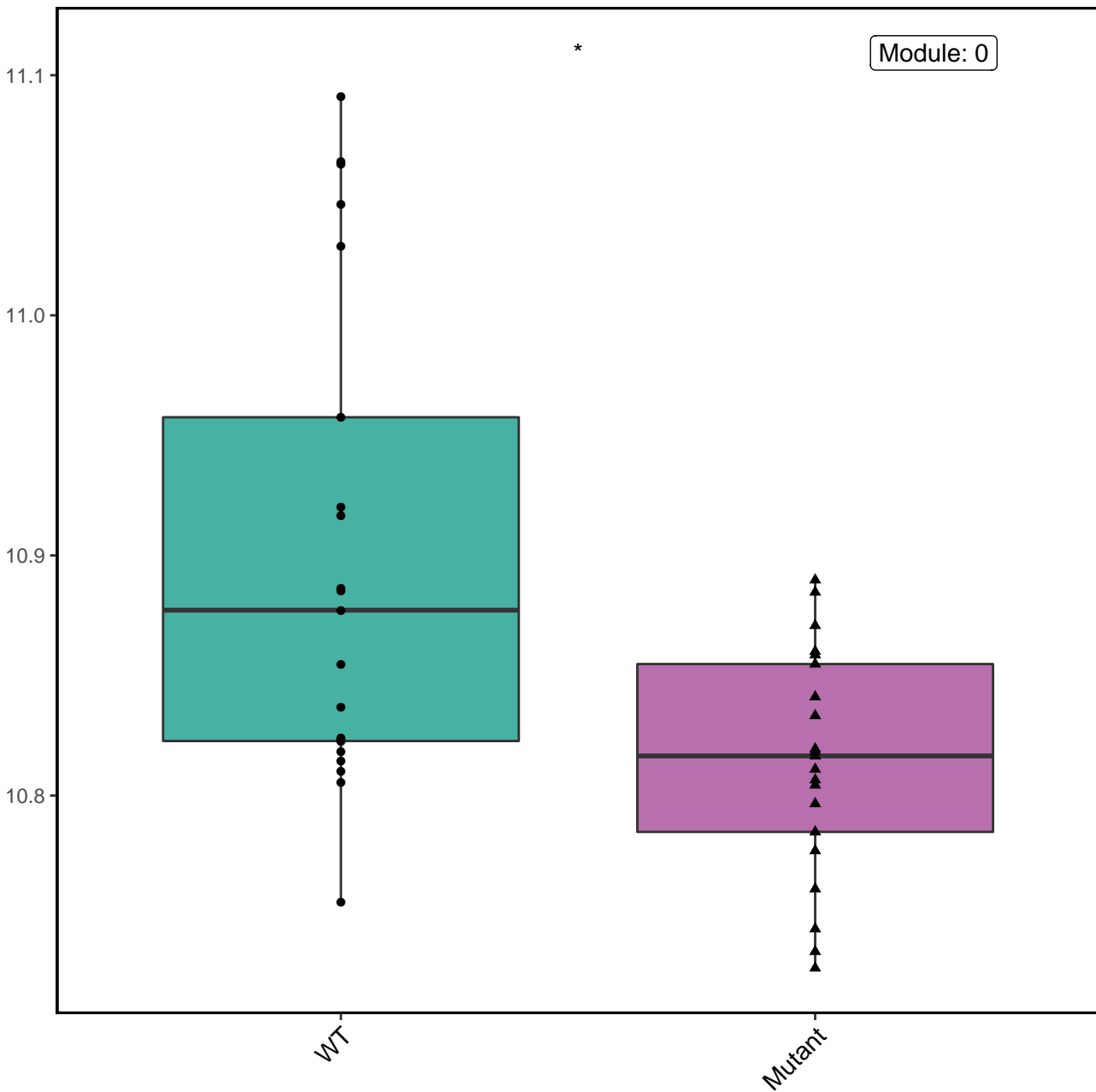


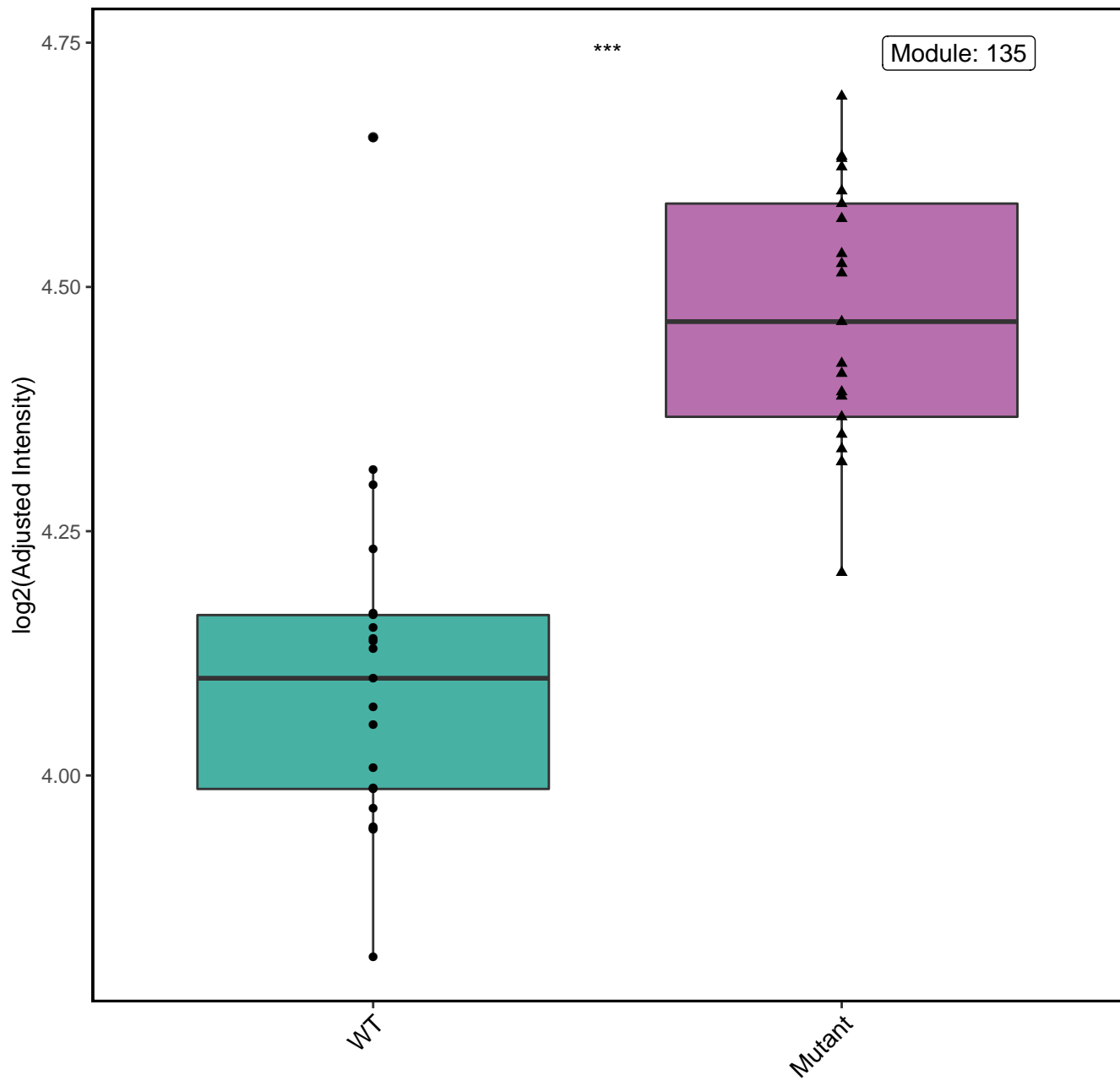
log2(Adjusted Intensity)

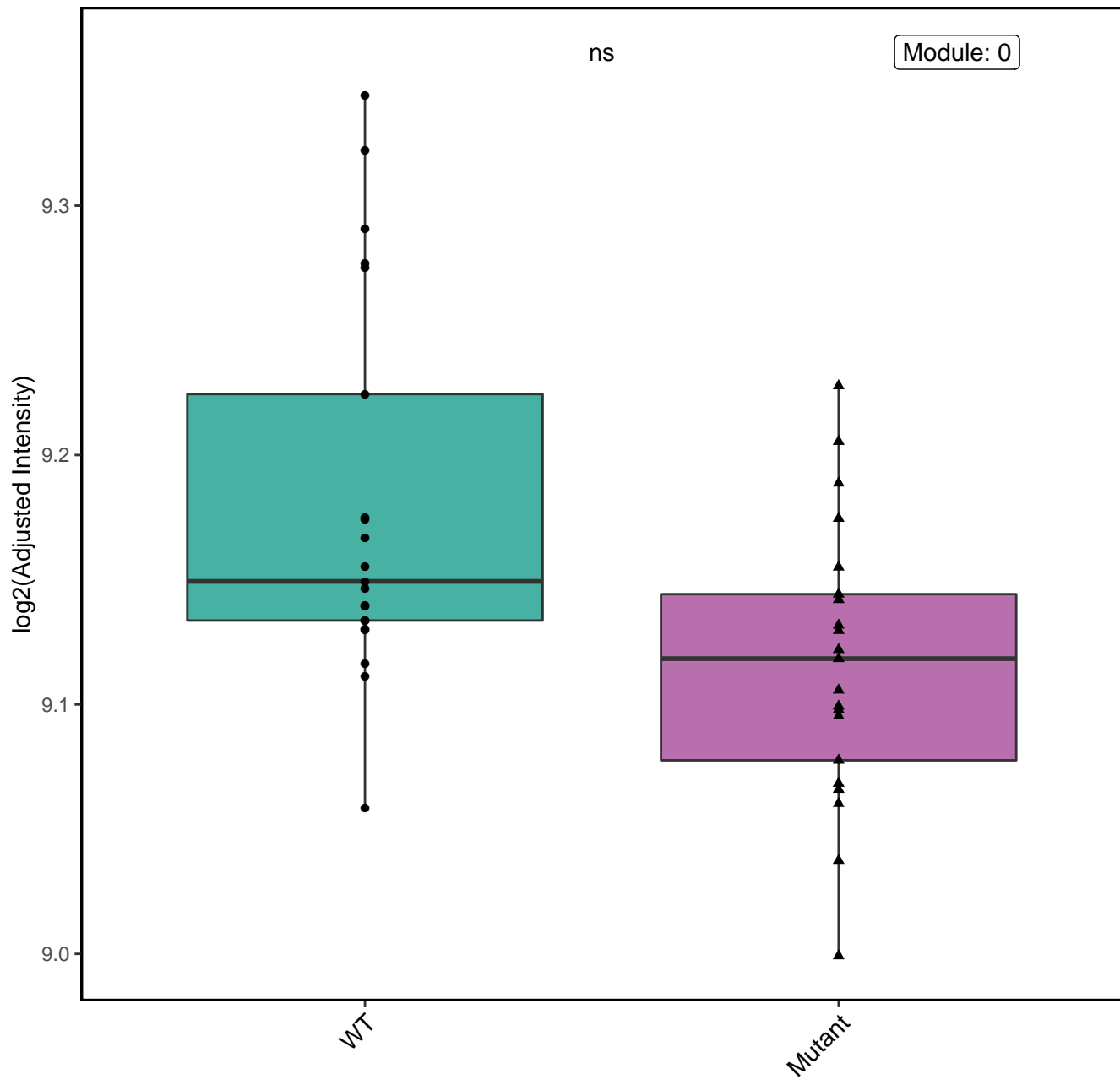
WT

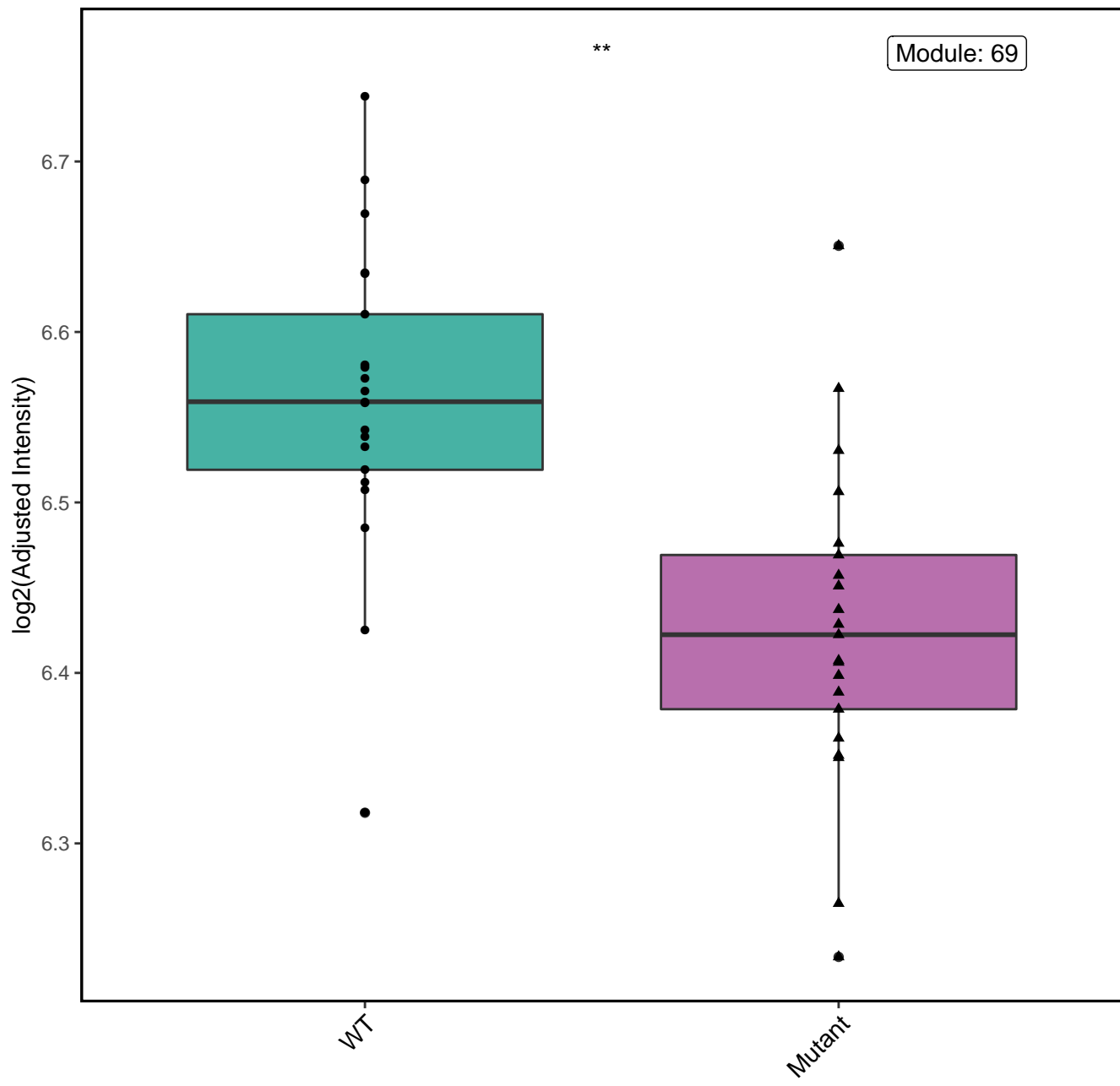
Mutant

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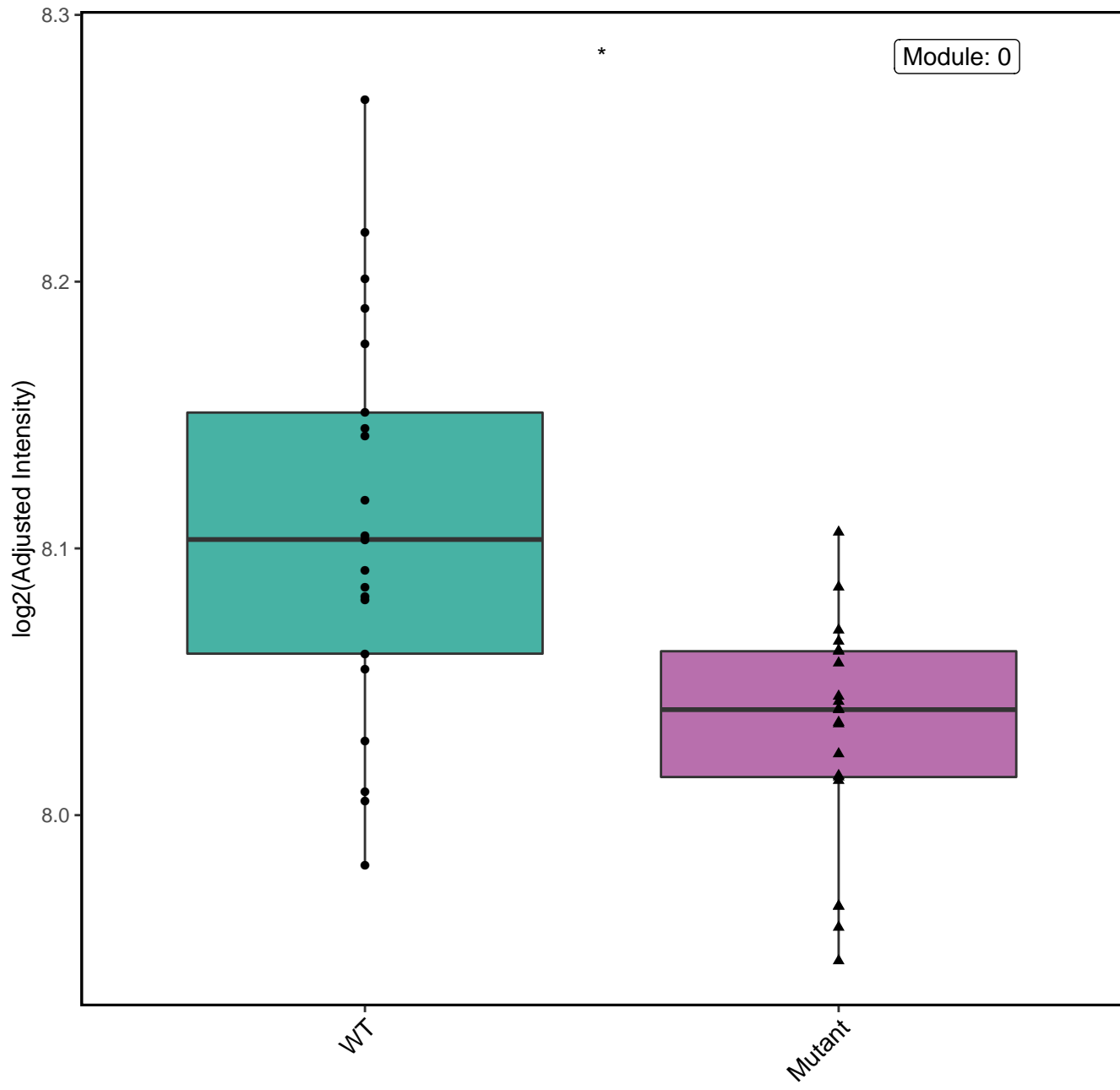


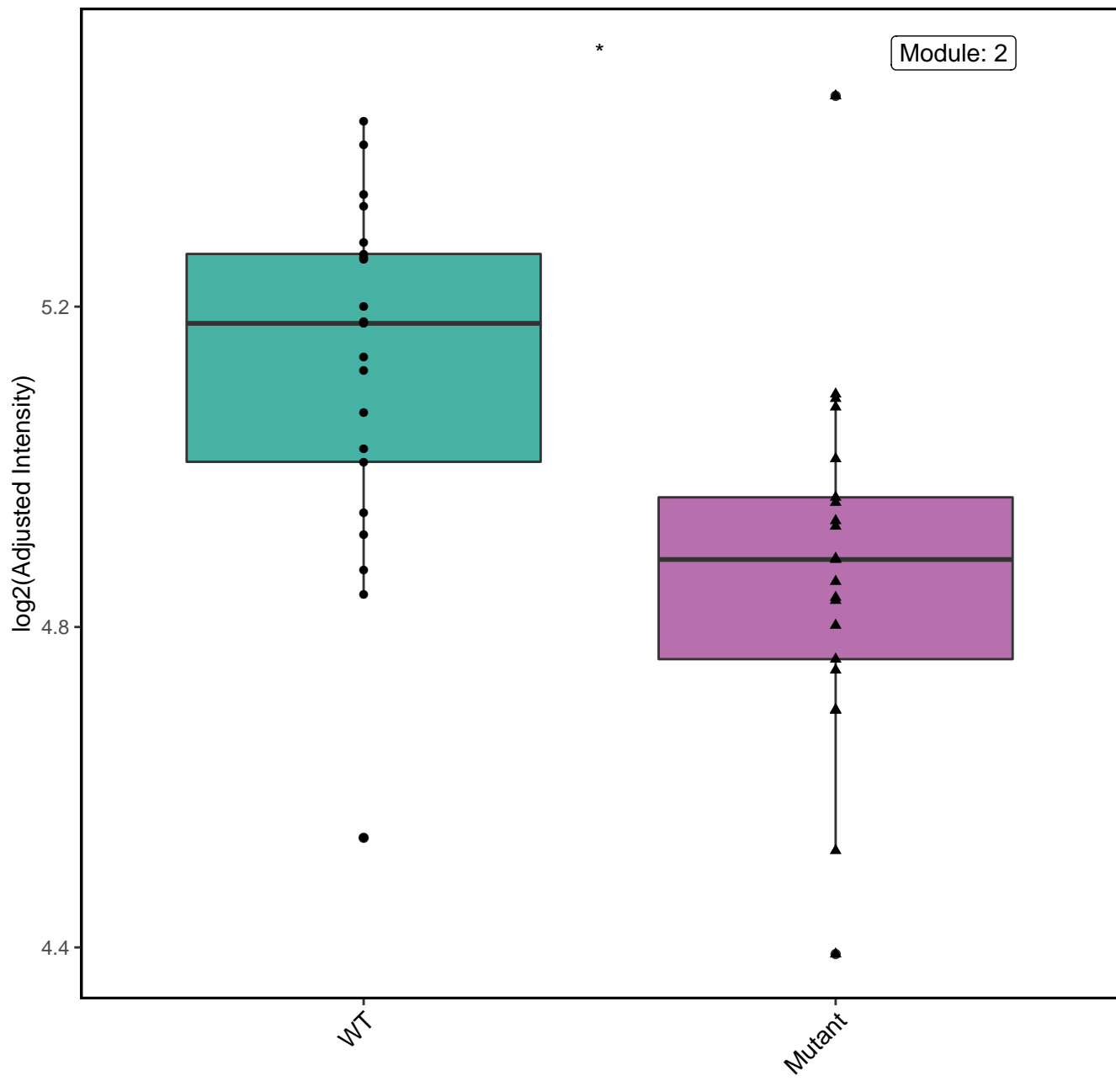


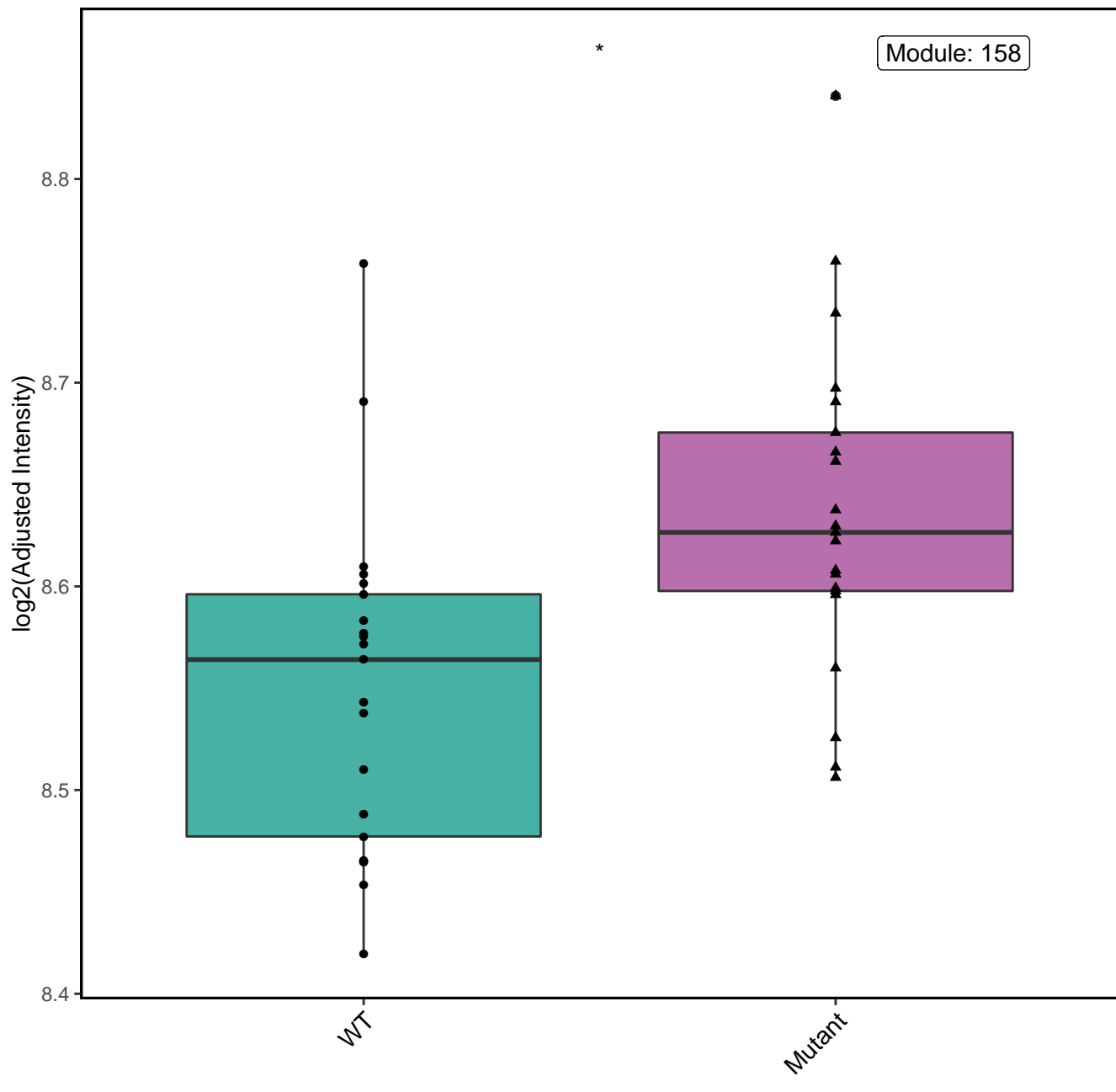


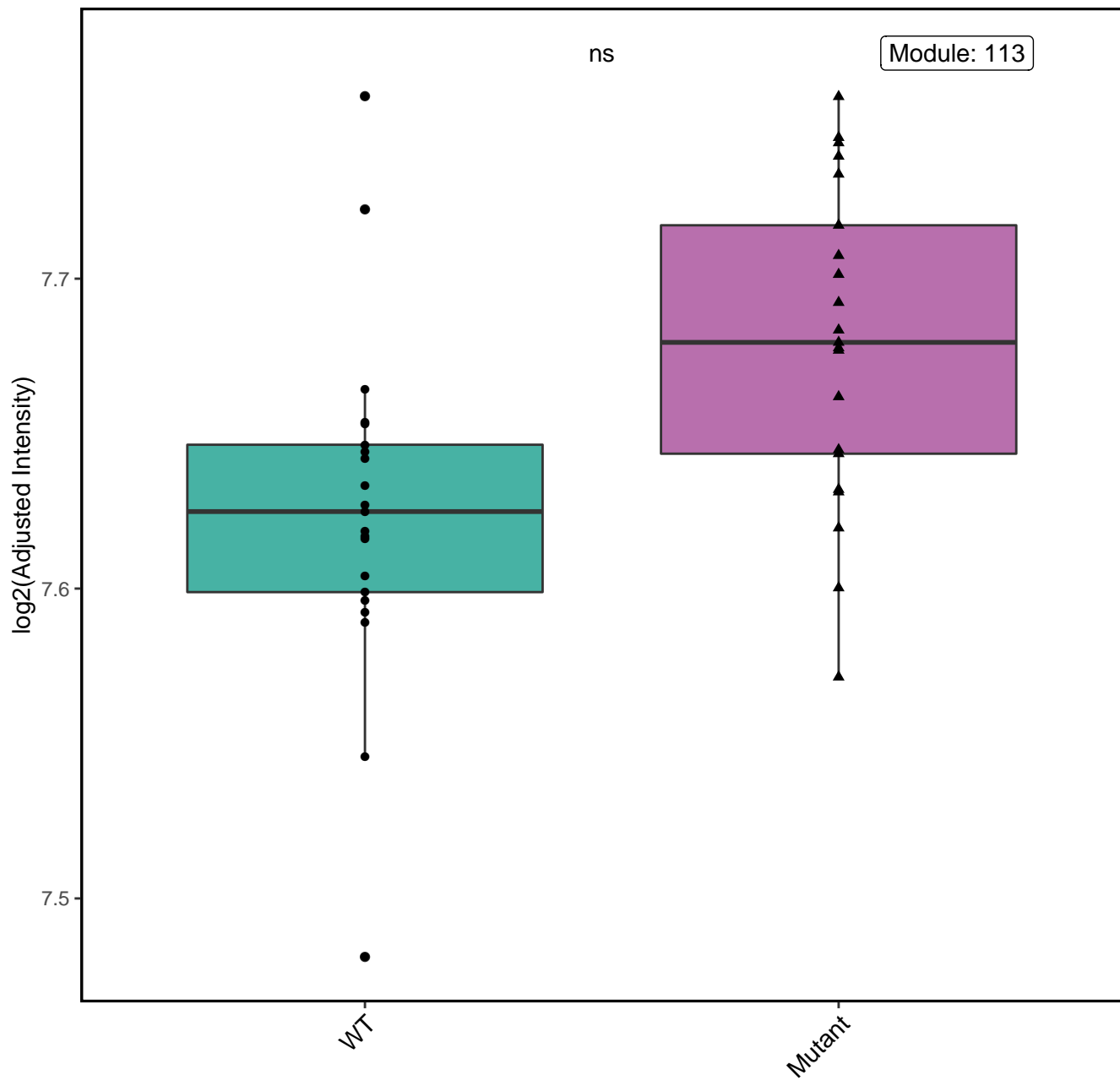


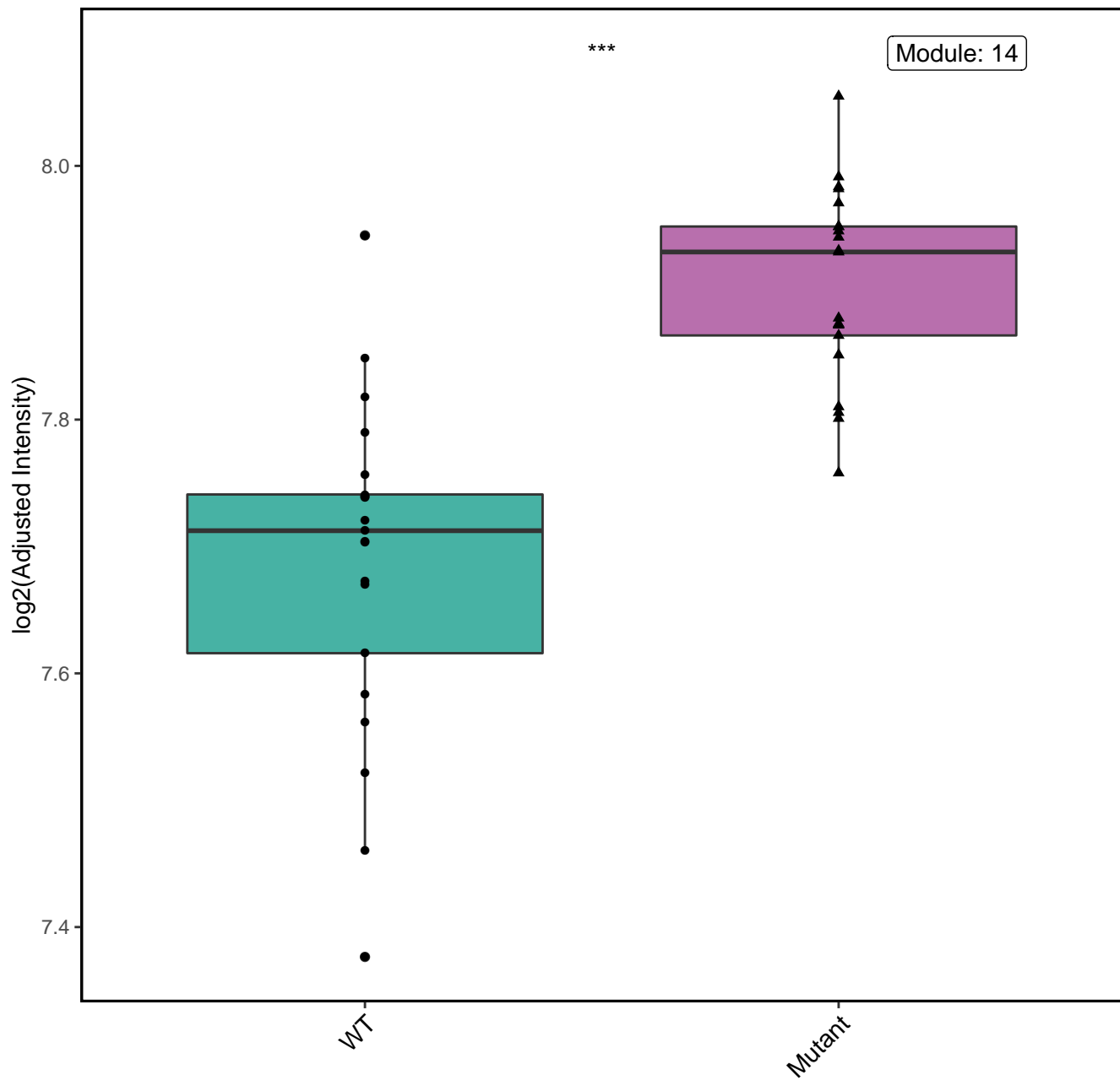


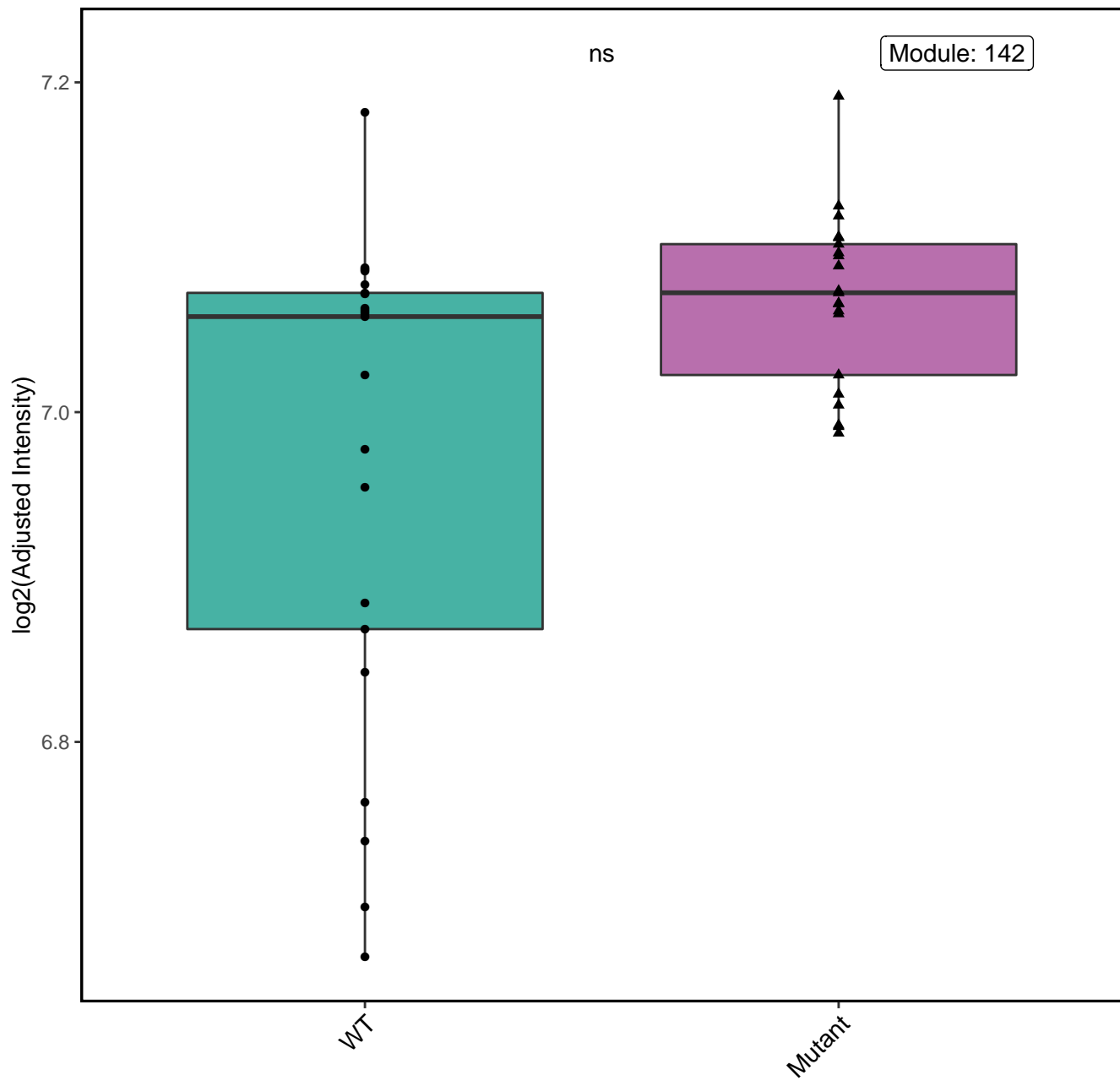


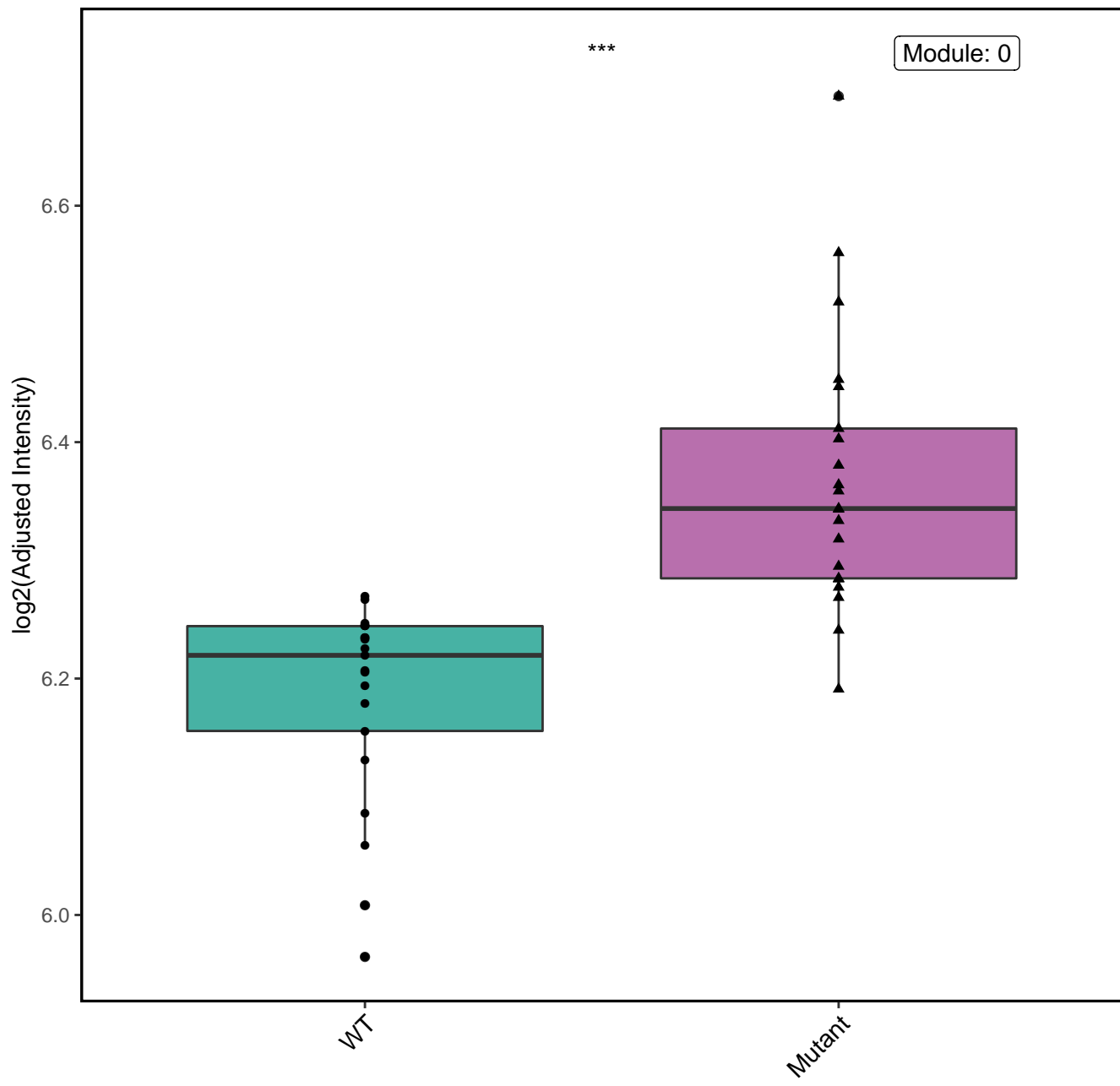


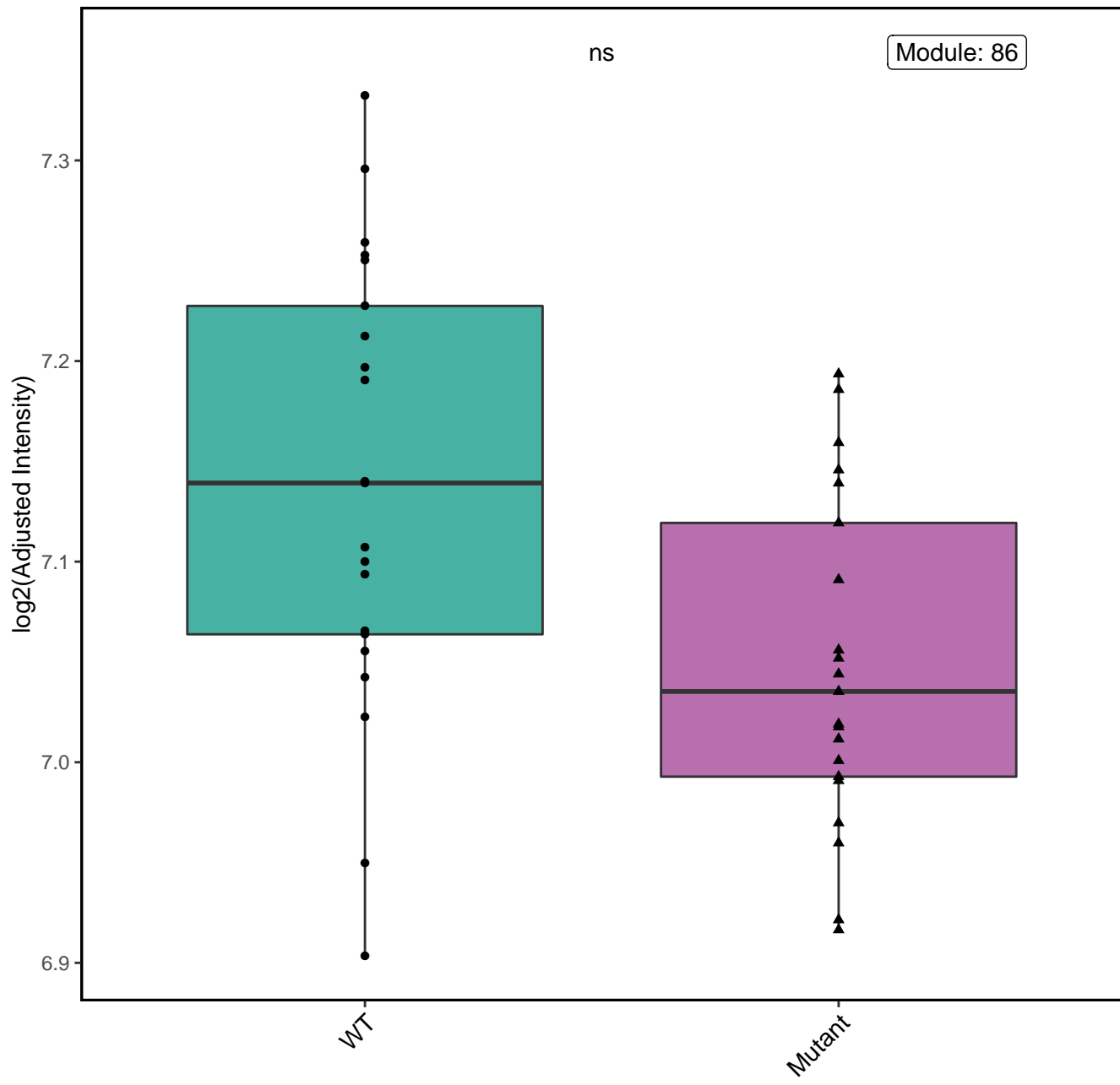




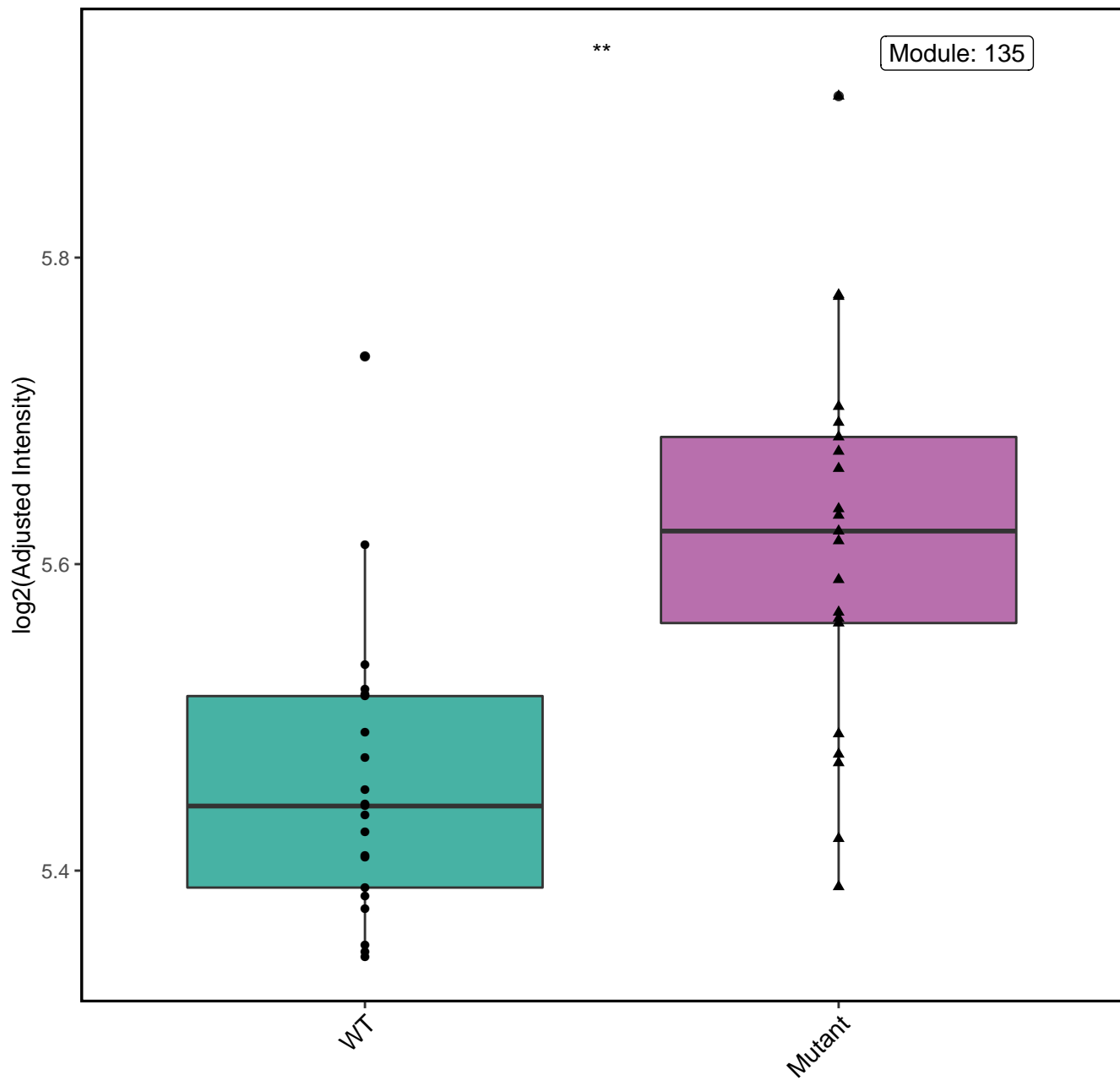


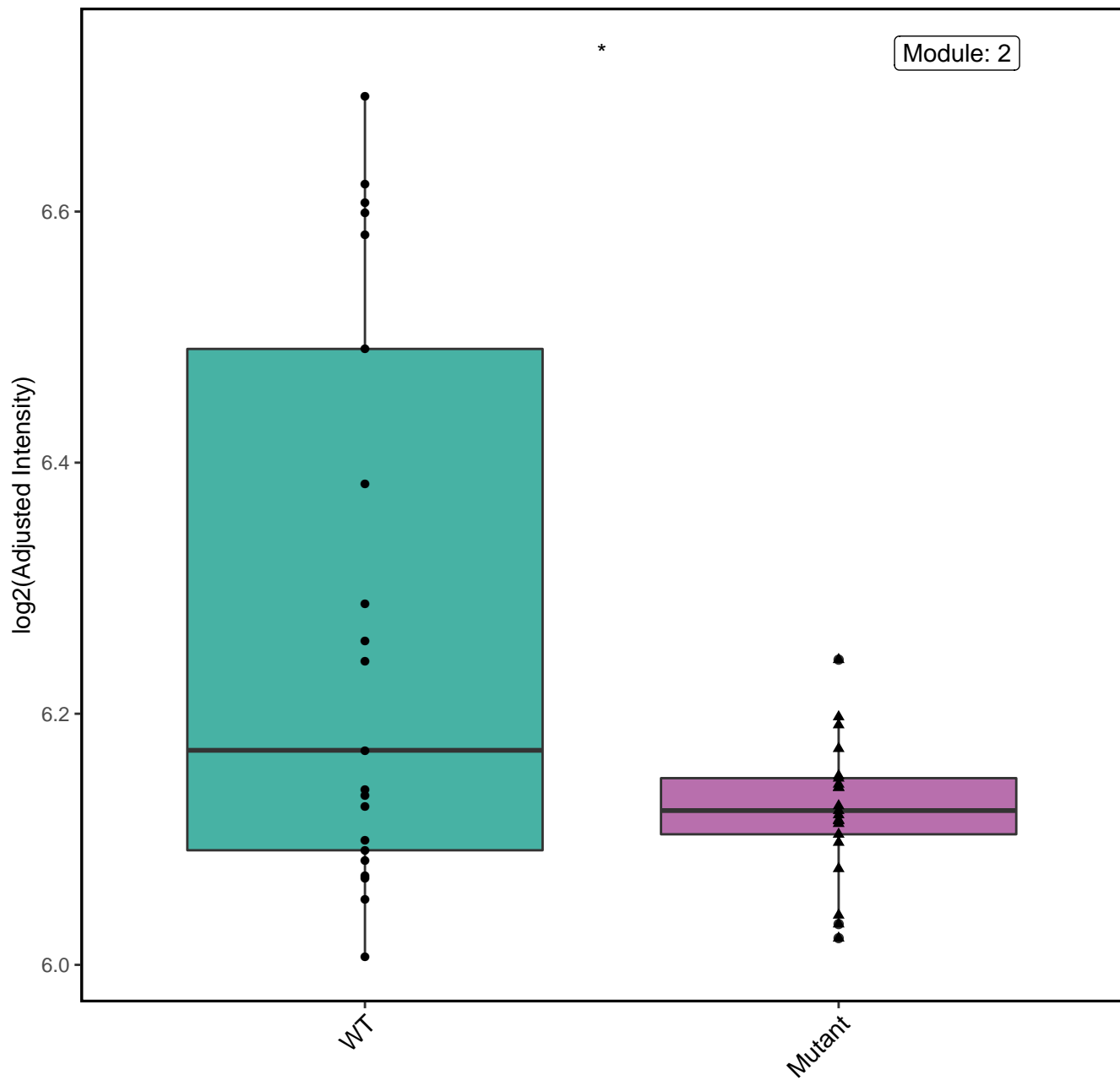


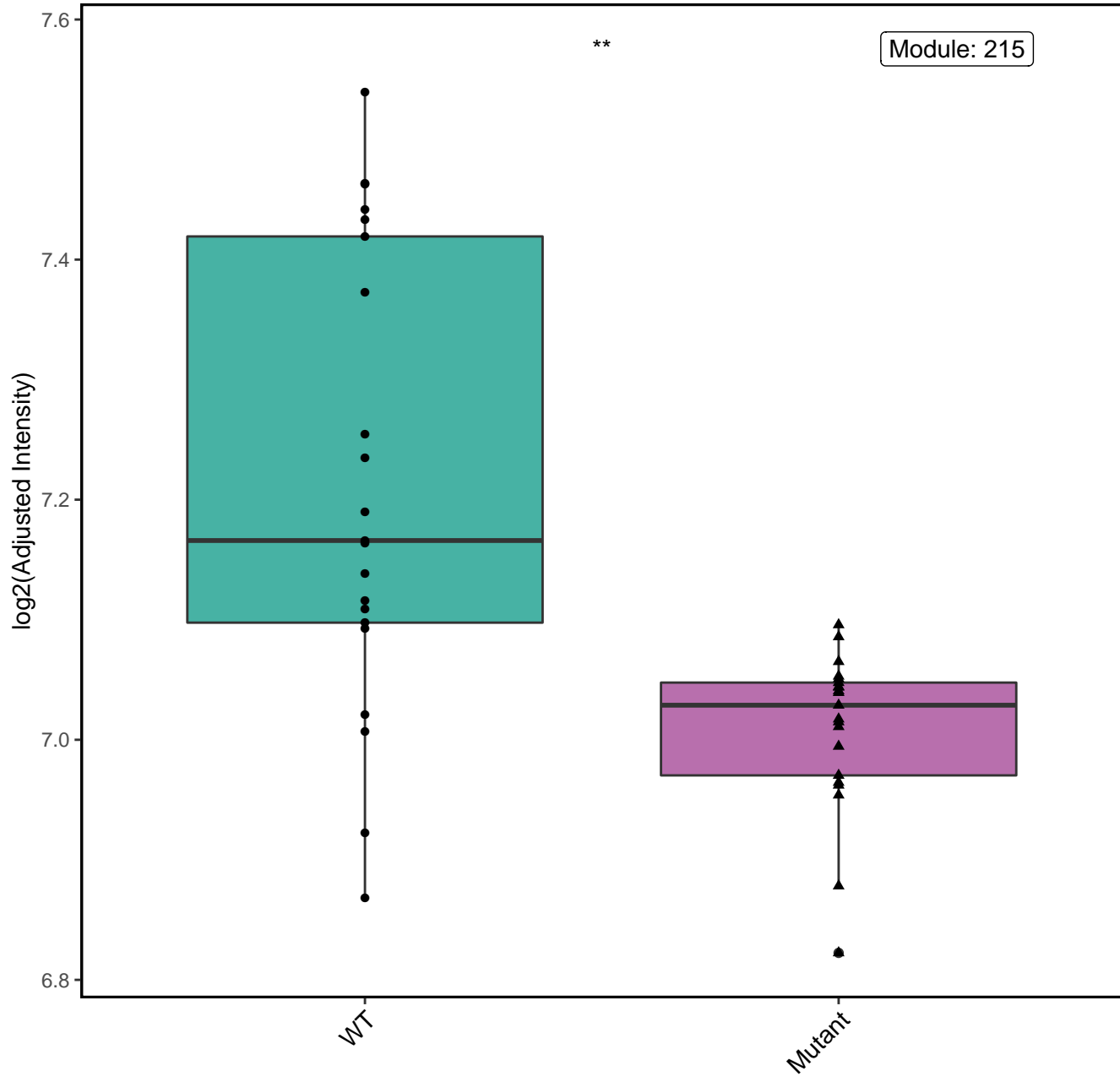


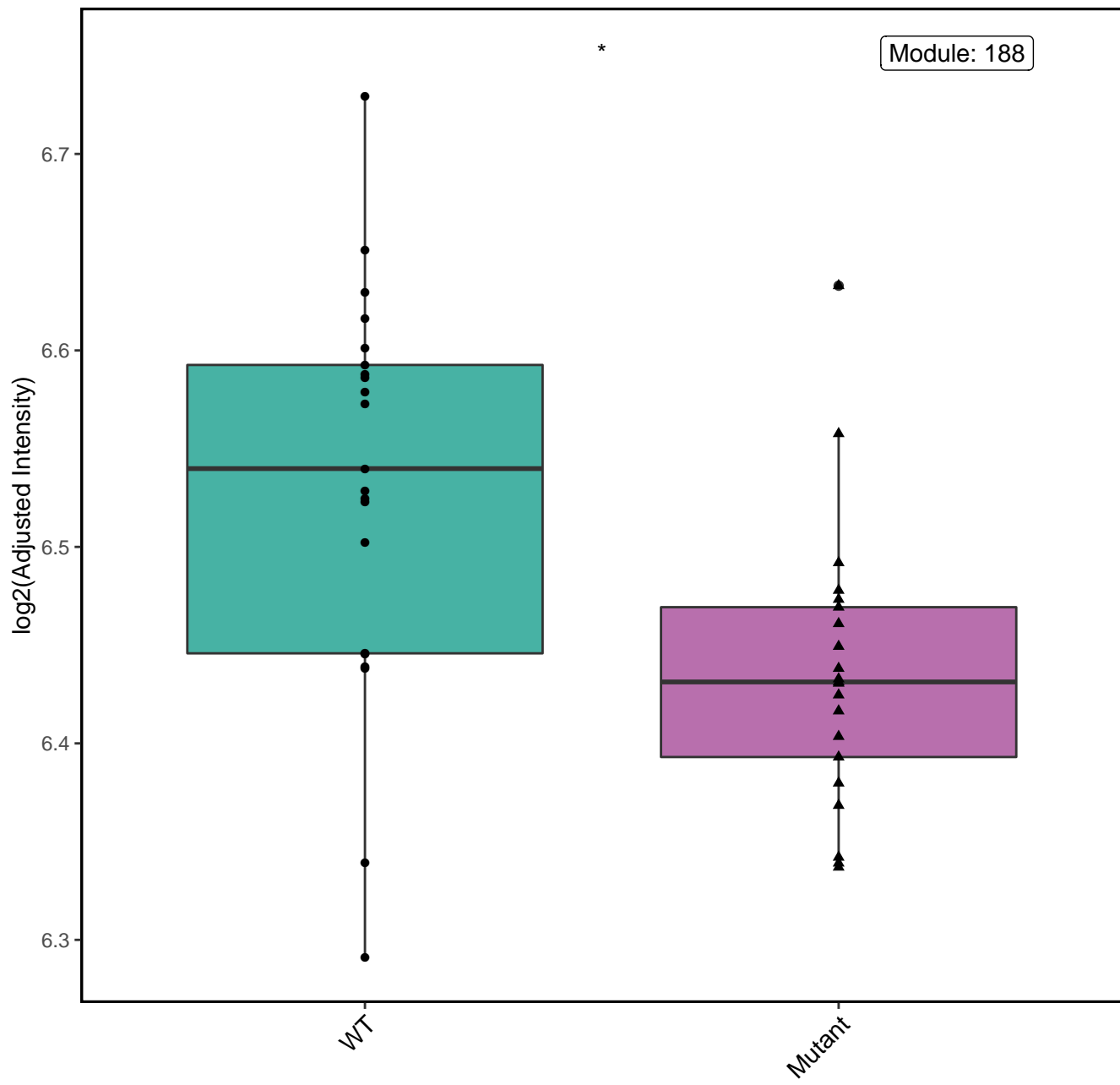


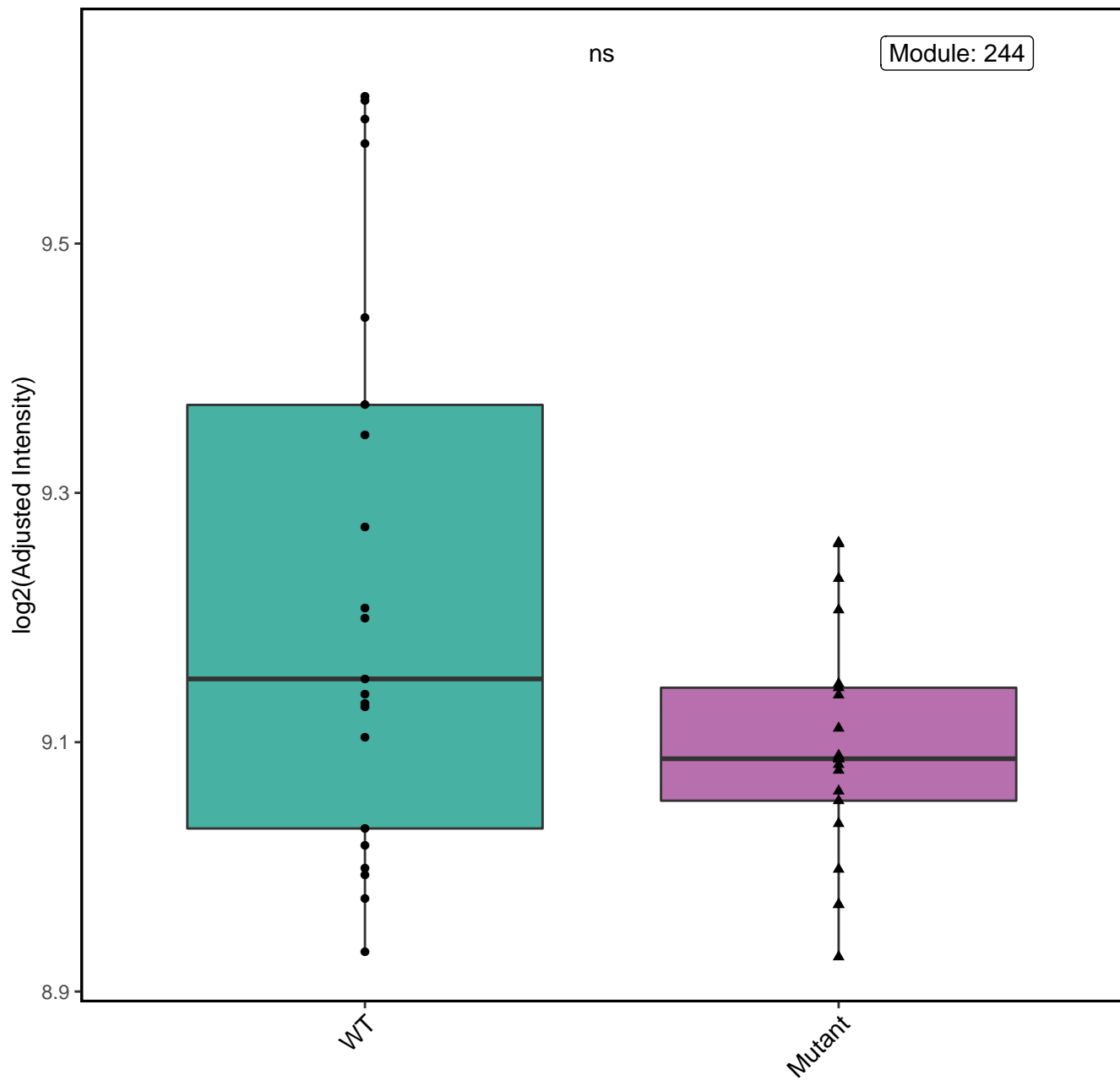












log2(Adjusted Intensity)

7.9

7.8

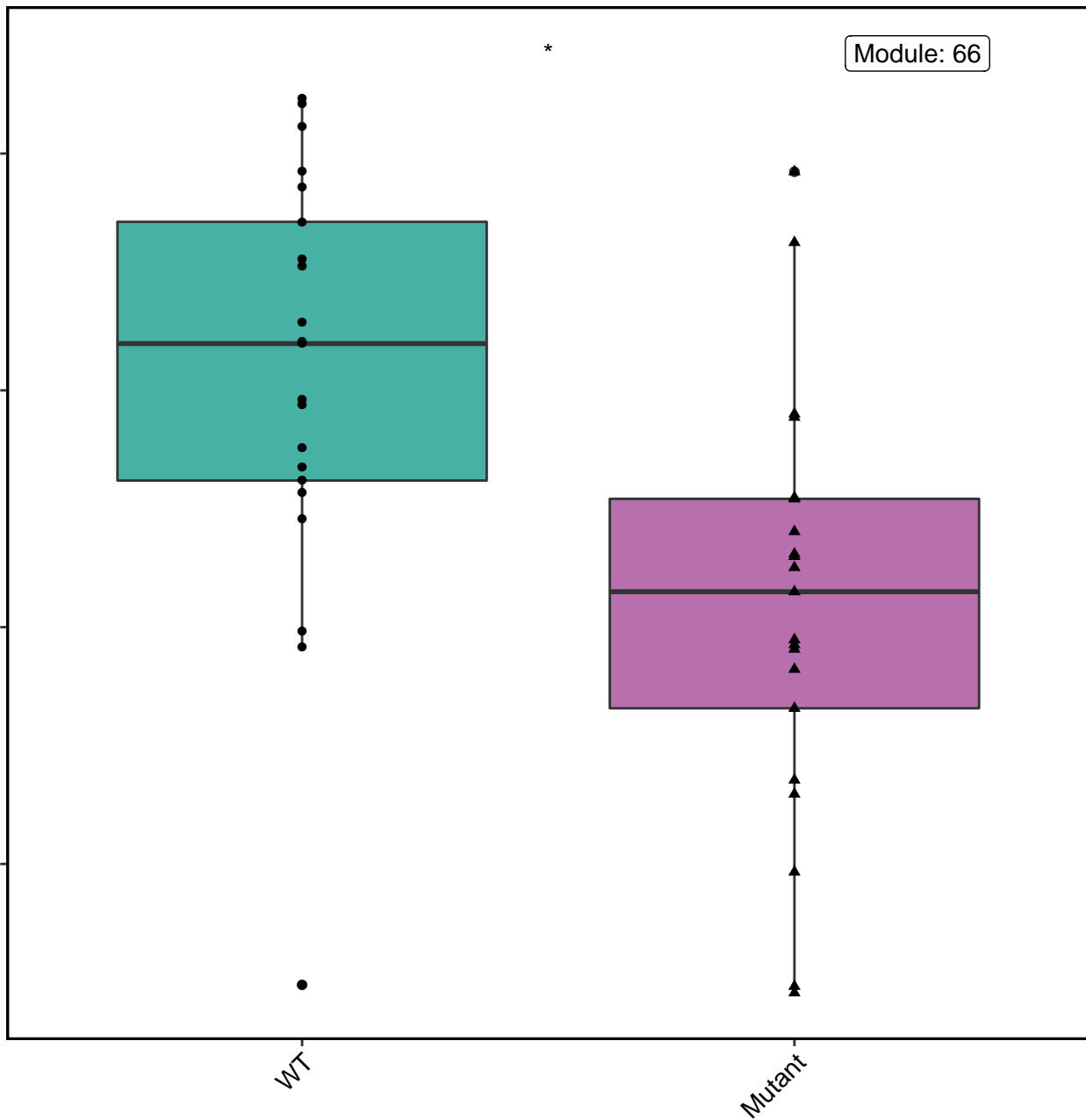
7.7

7.6

WT

Mutant

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