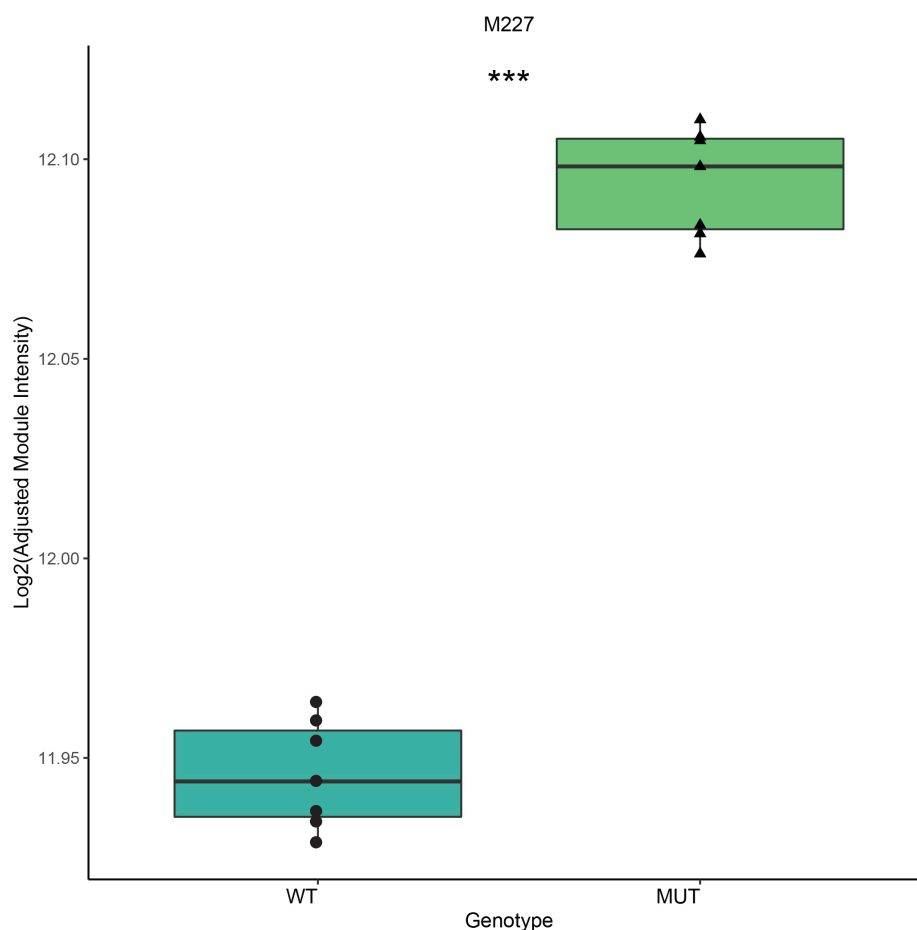


Supplementary File 8

Boxplots of module abundance for the **37** modules with a significant difference between WT and MUT groups (adjusted $P < 0.05$).
Module abundance was summarized as the sum of its protein constituents for each fraction.
For plotting, module abundance was adjusted for difference in fraction.

Example Plot:

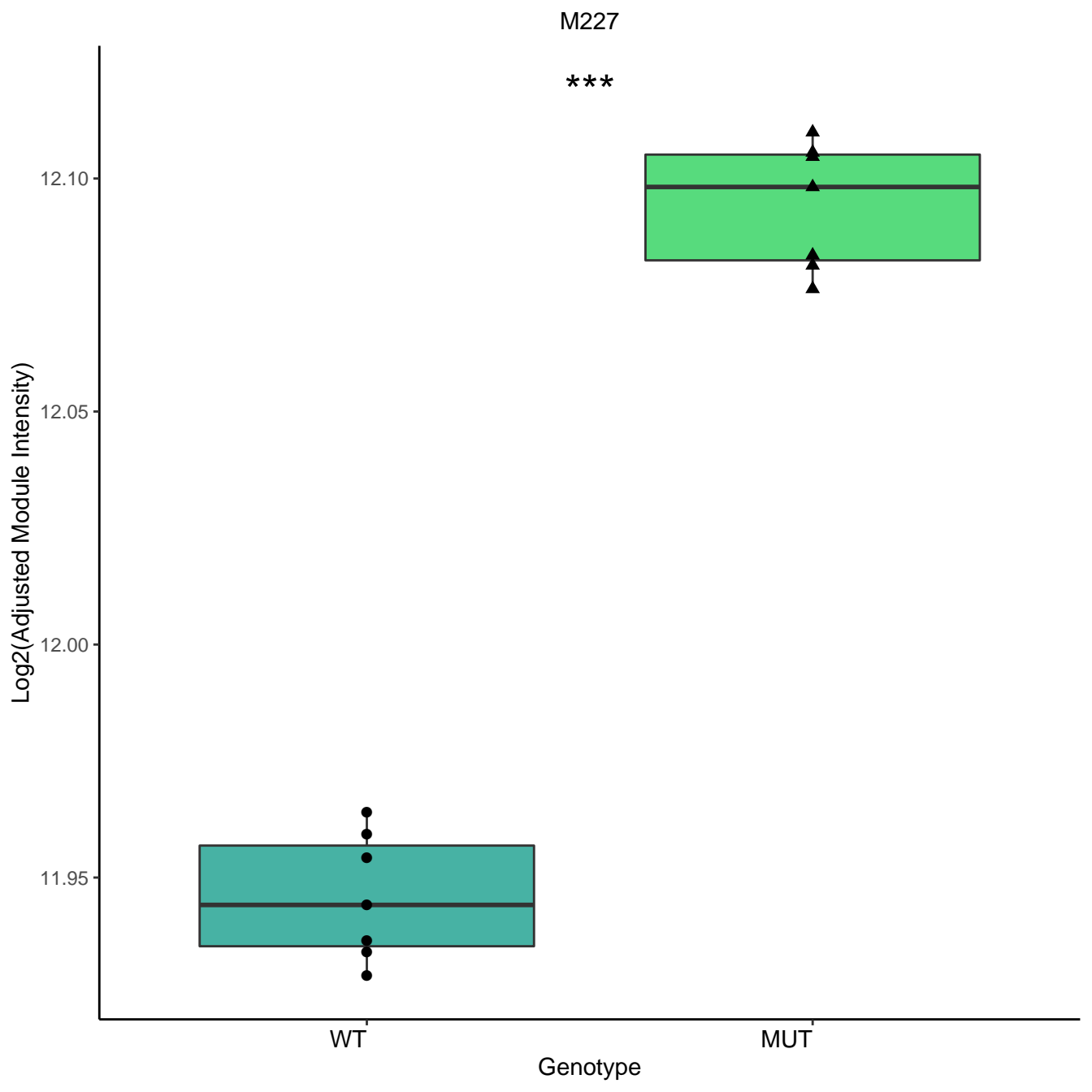


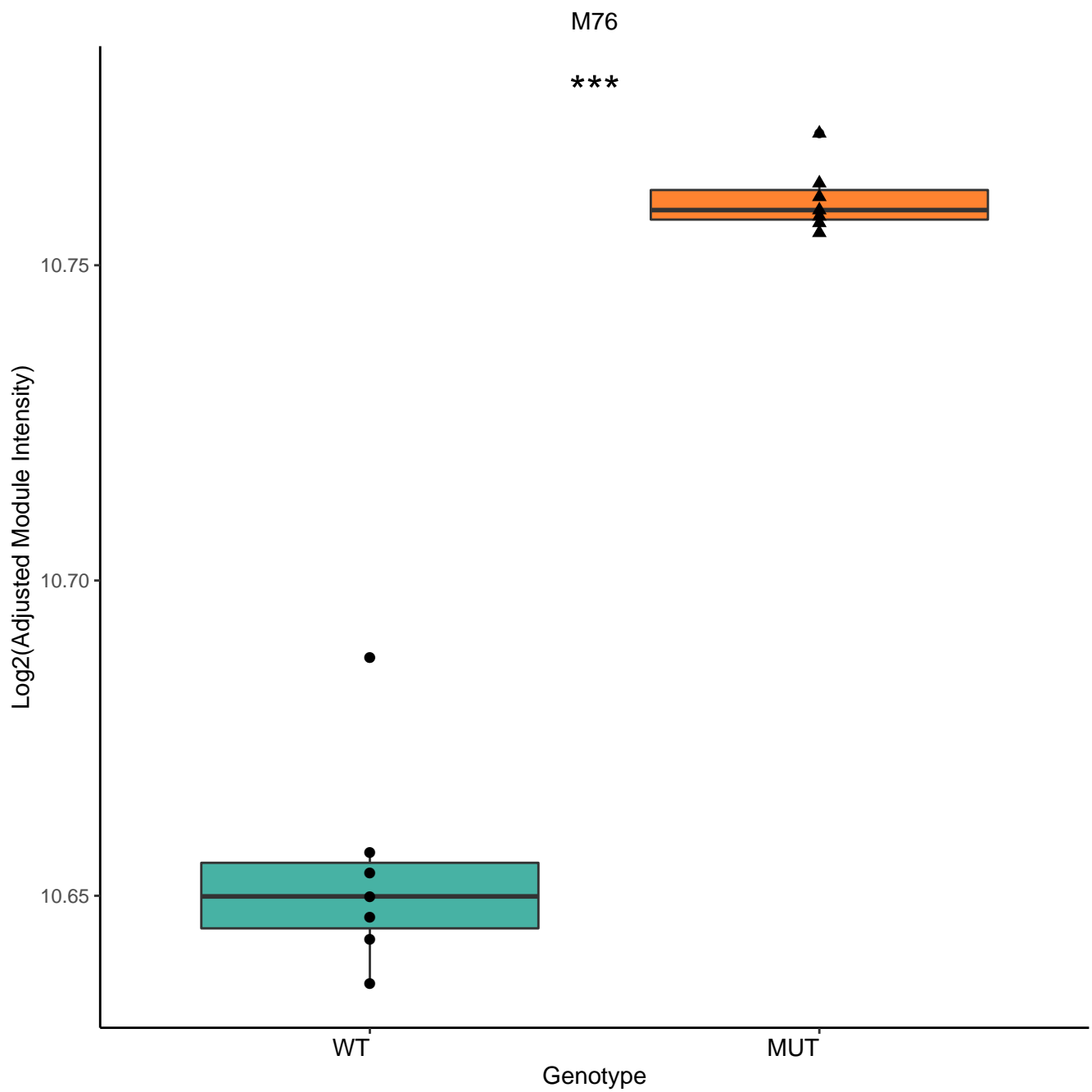
Plot Attributes:

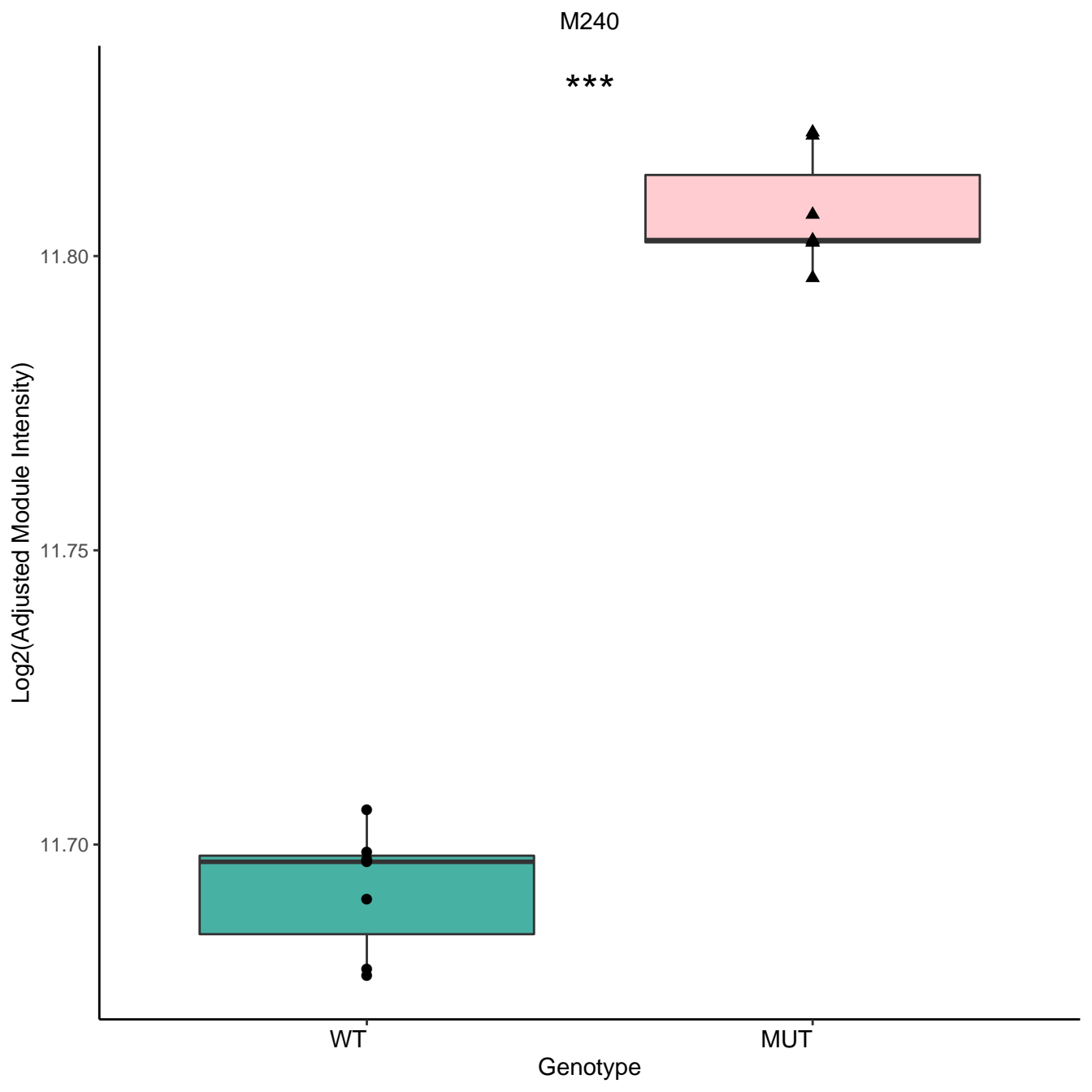
Attribute	Description
x-axis	WT and MUT (homozygous SWIP ^{P1019R}) genotypes.
y-axis	Log ₂ (Adjusted Module Intensity).
point shape	Circles and triangles indicate animal genotype, WT and MUT, respectively.
color	The color of the MUT boxplot represents its module membership. WT boxplot color remains constant throughout.

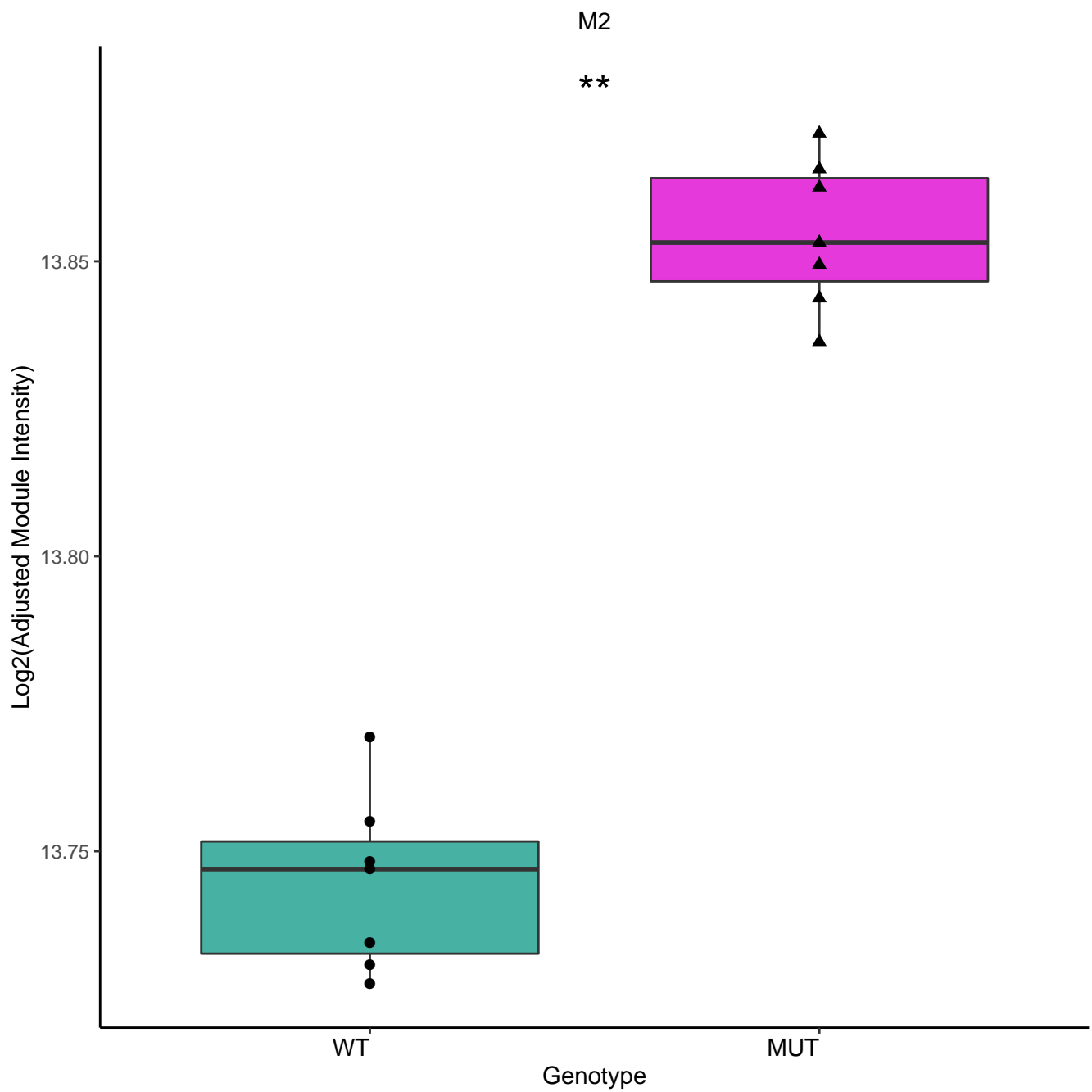
Statistical Significance:

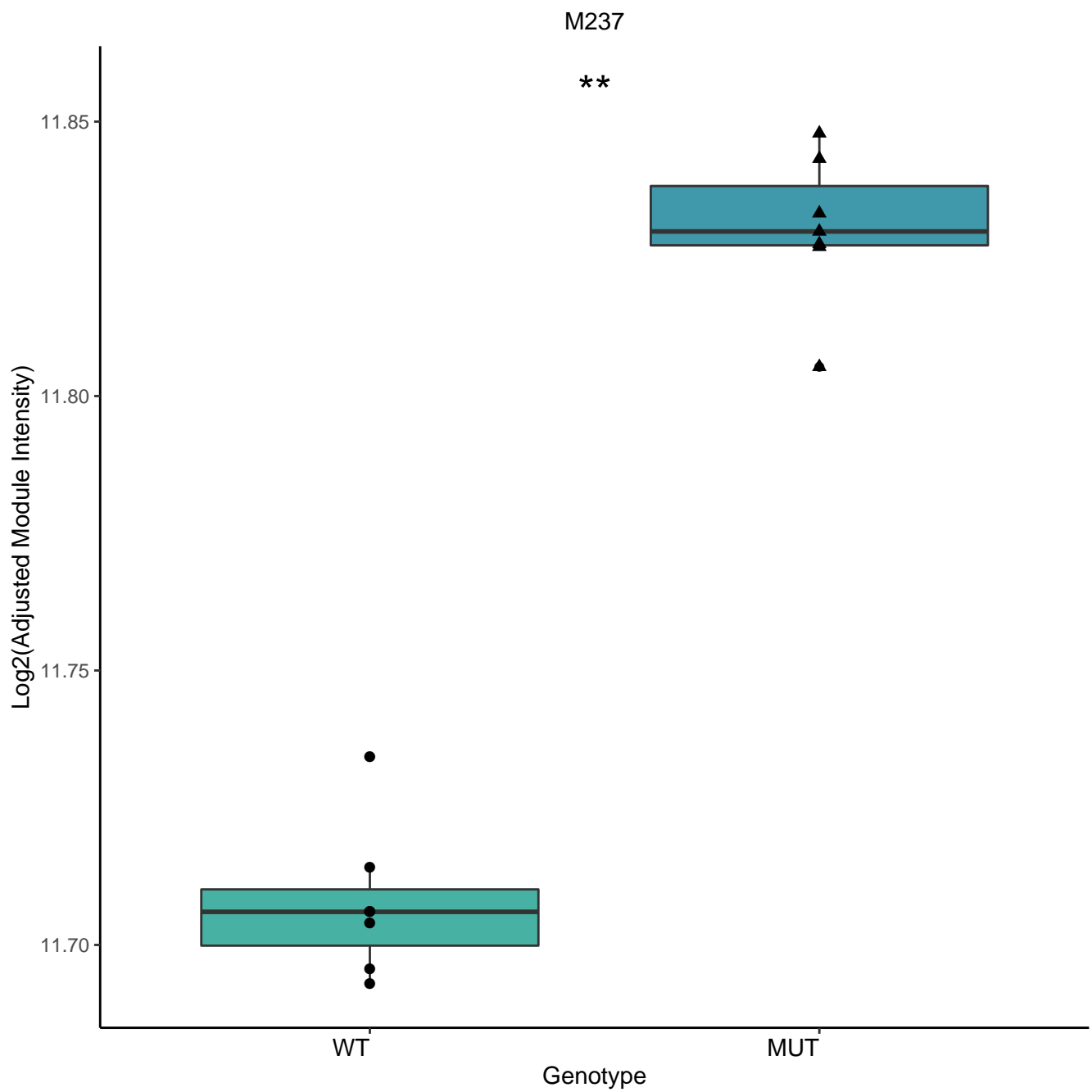
Symbol	Threshold
▪	FDR < 0.1
*	FDR < 0.05
**	FDR < 0.005
***	FDR < 0.0005











M19

**

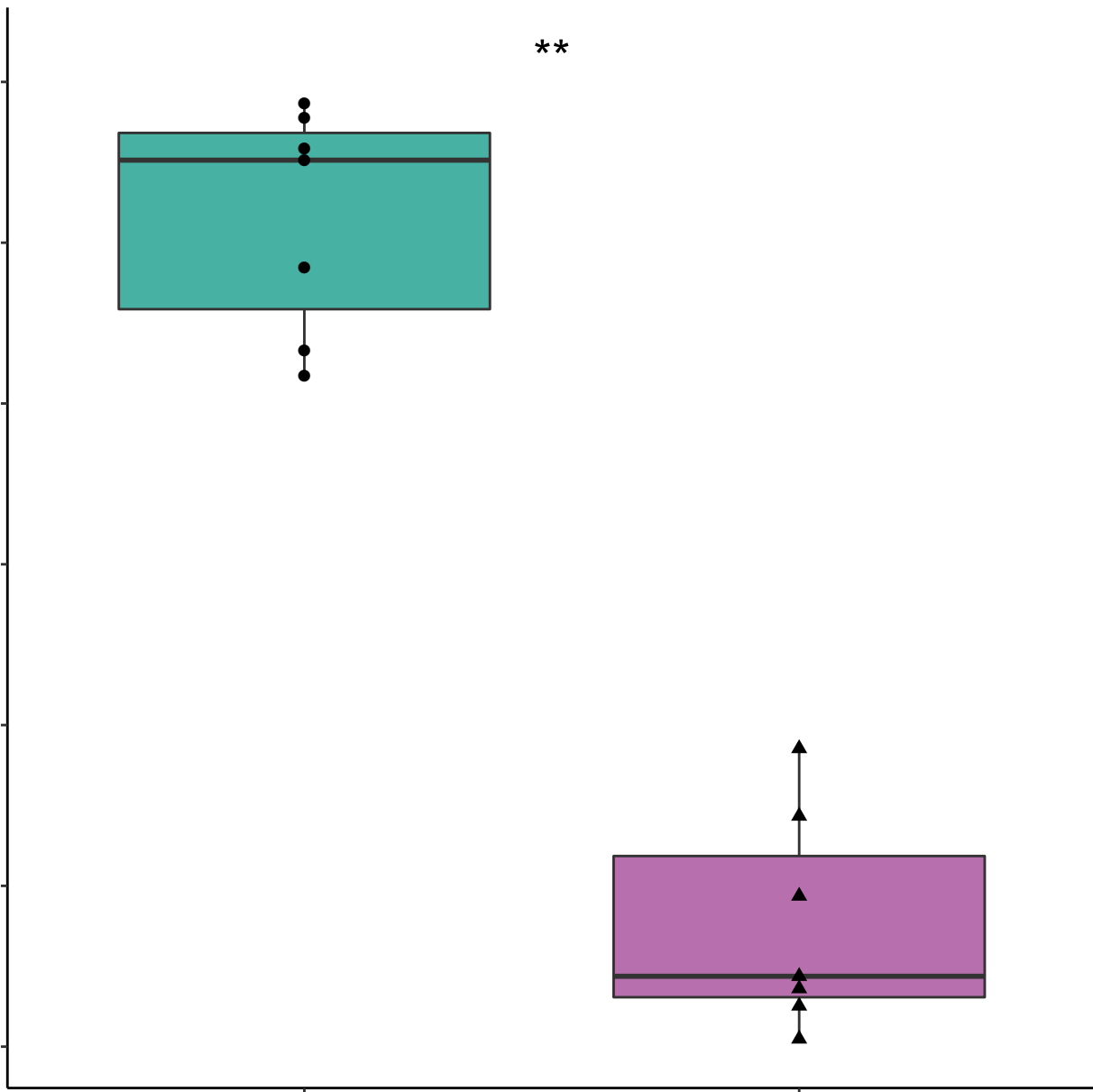
Log2(Adjusted Module Intensity)

13.25
13.20
13.15
13.10
13.05
13.00
12.95

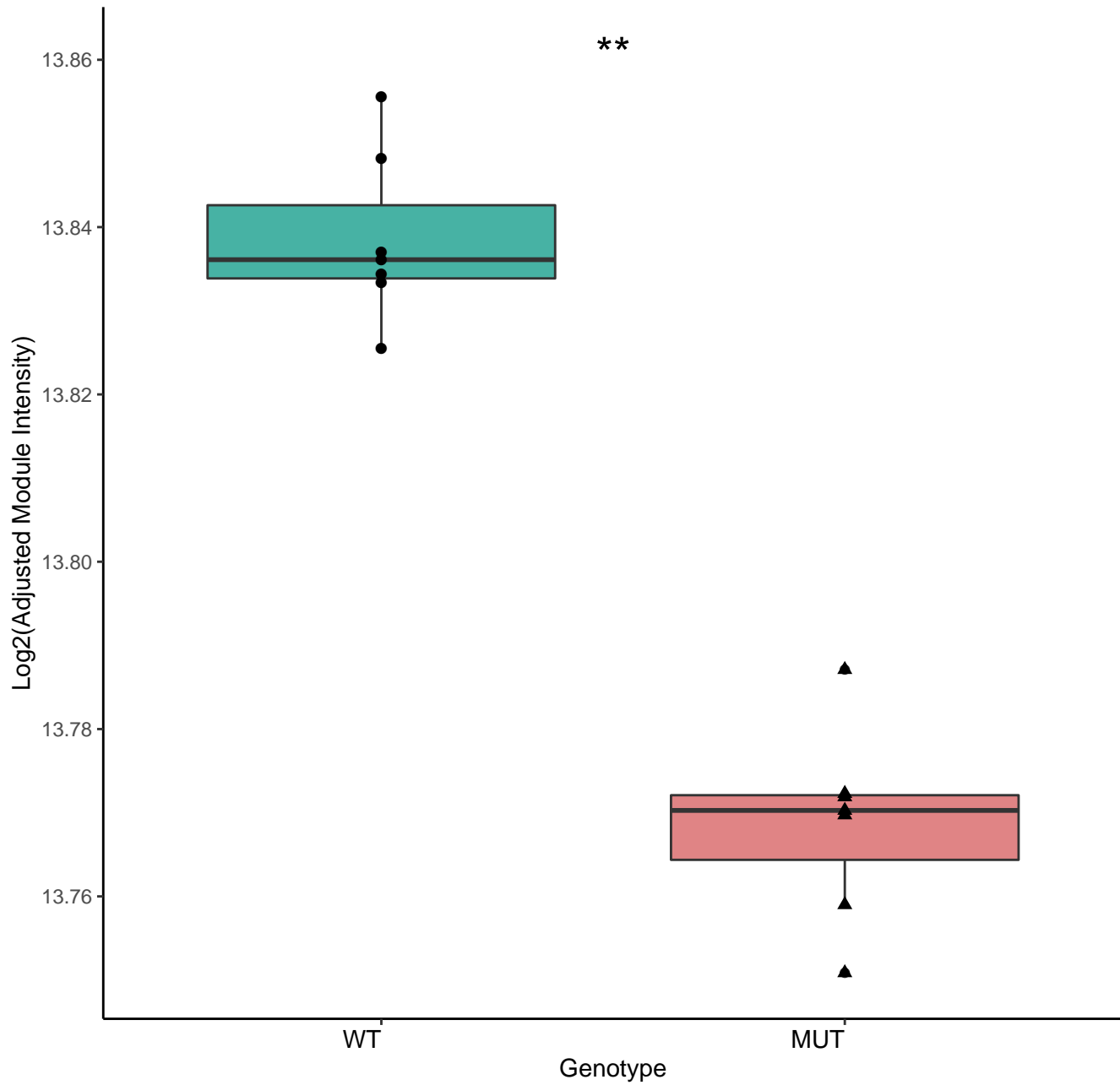
WT

MUT

Genotype



M248



M220

**

Log2(Adjusted Module Intensity)

11.05

11.00

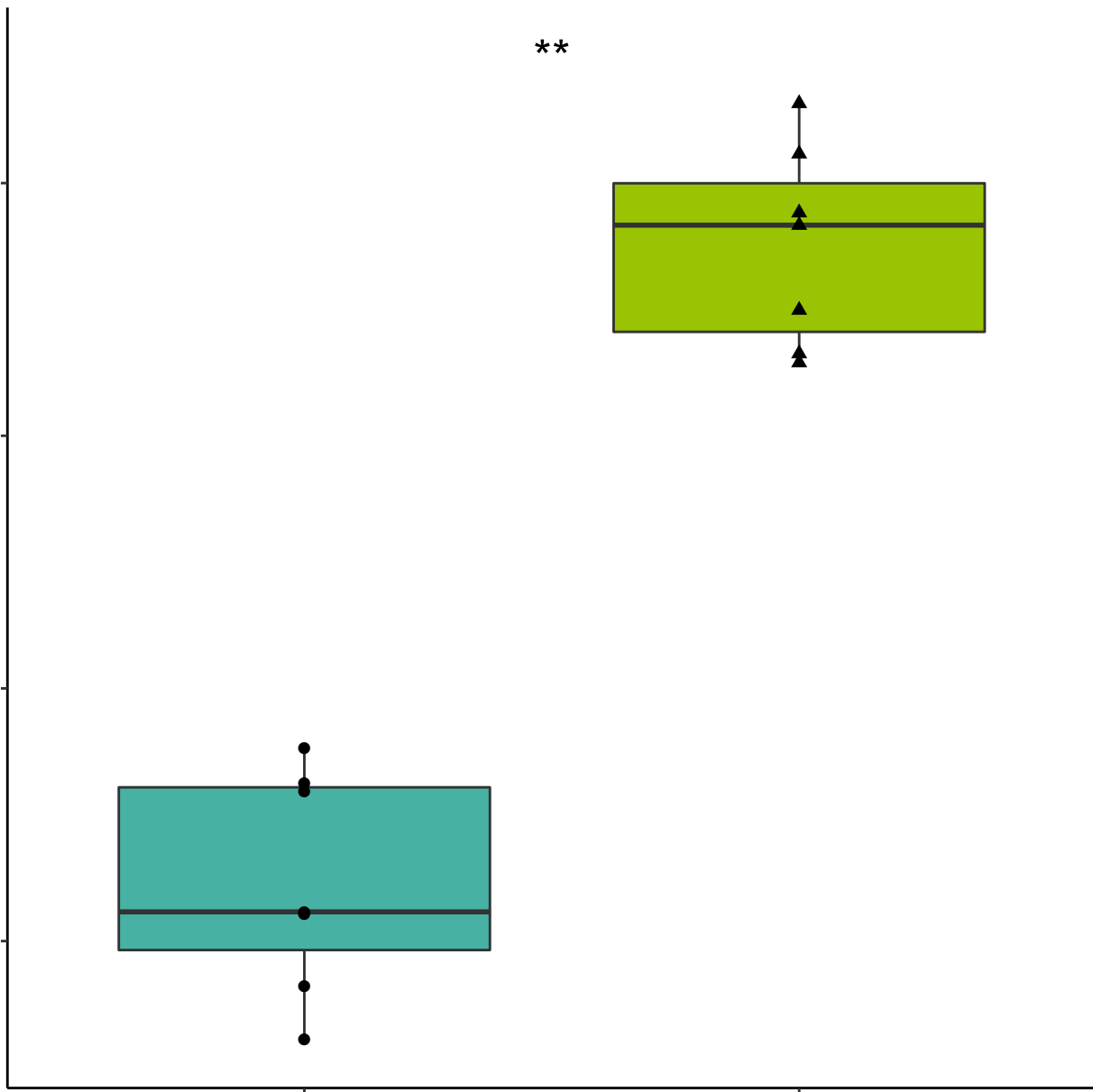
10.95

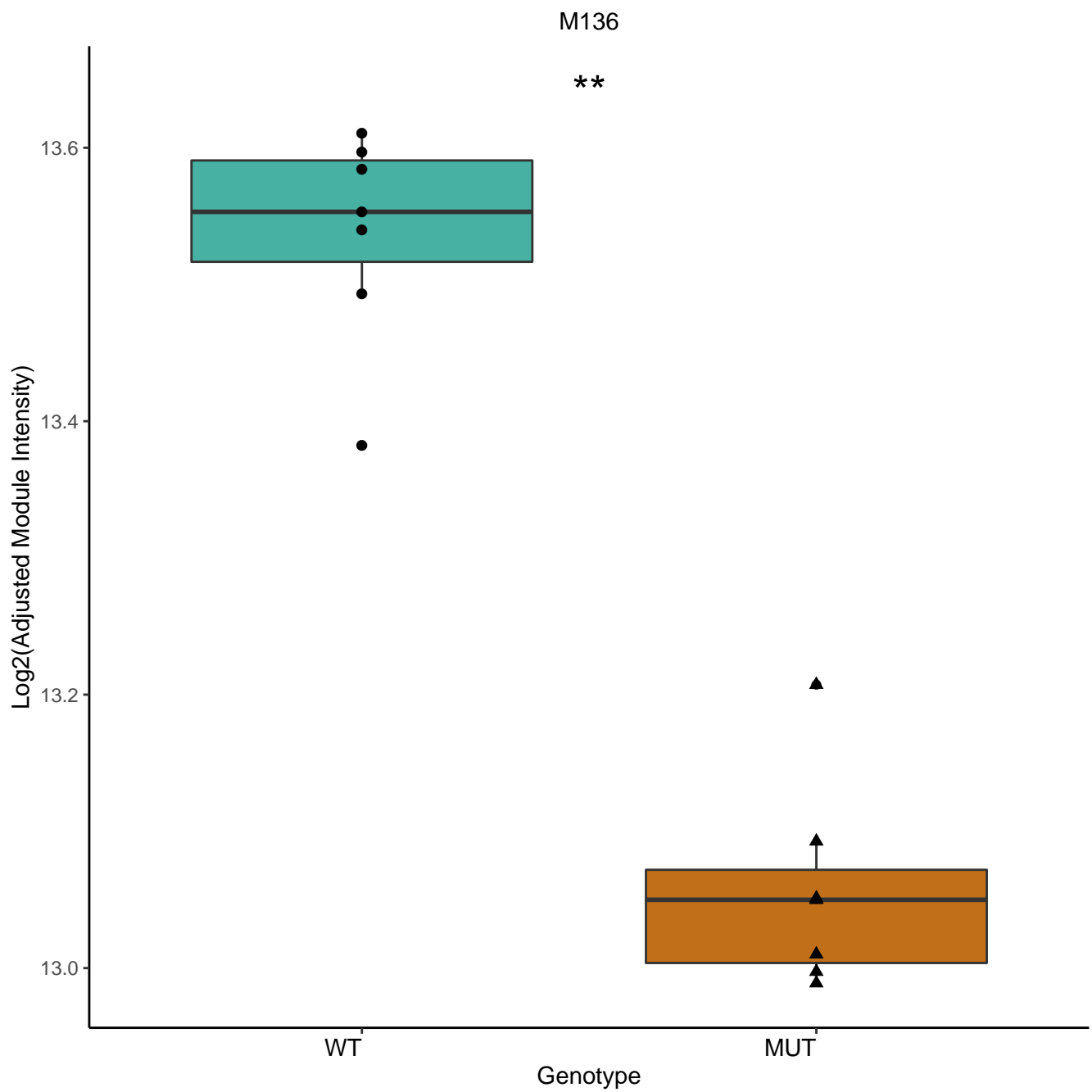
10.90

WT

MUT

Genotype





M210

Log2(Adjusted Module Intensity)

12.25

12.20

12.15

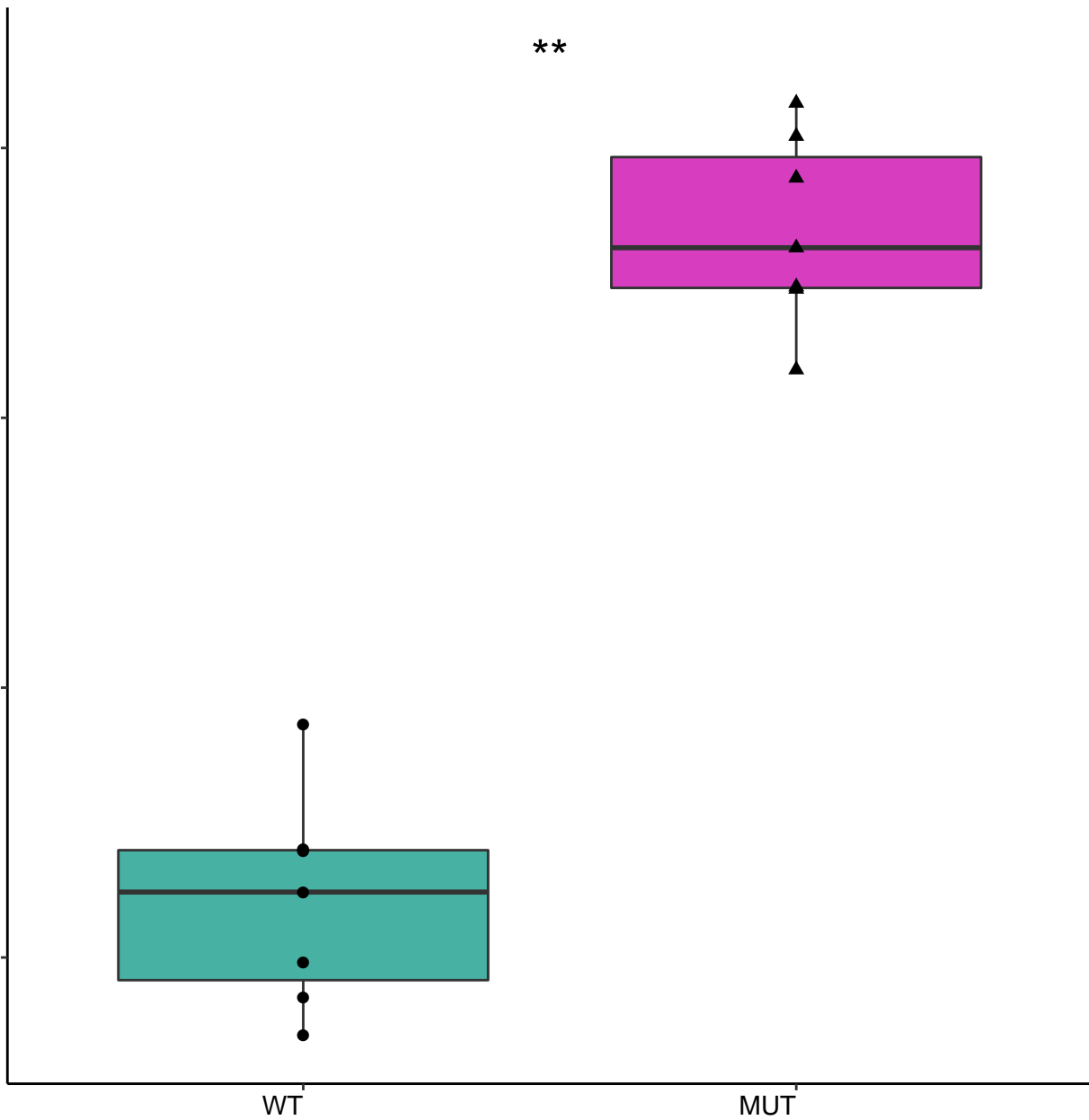
12.10

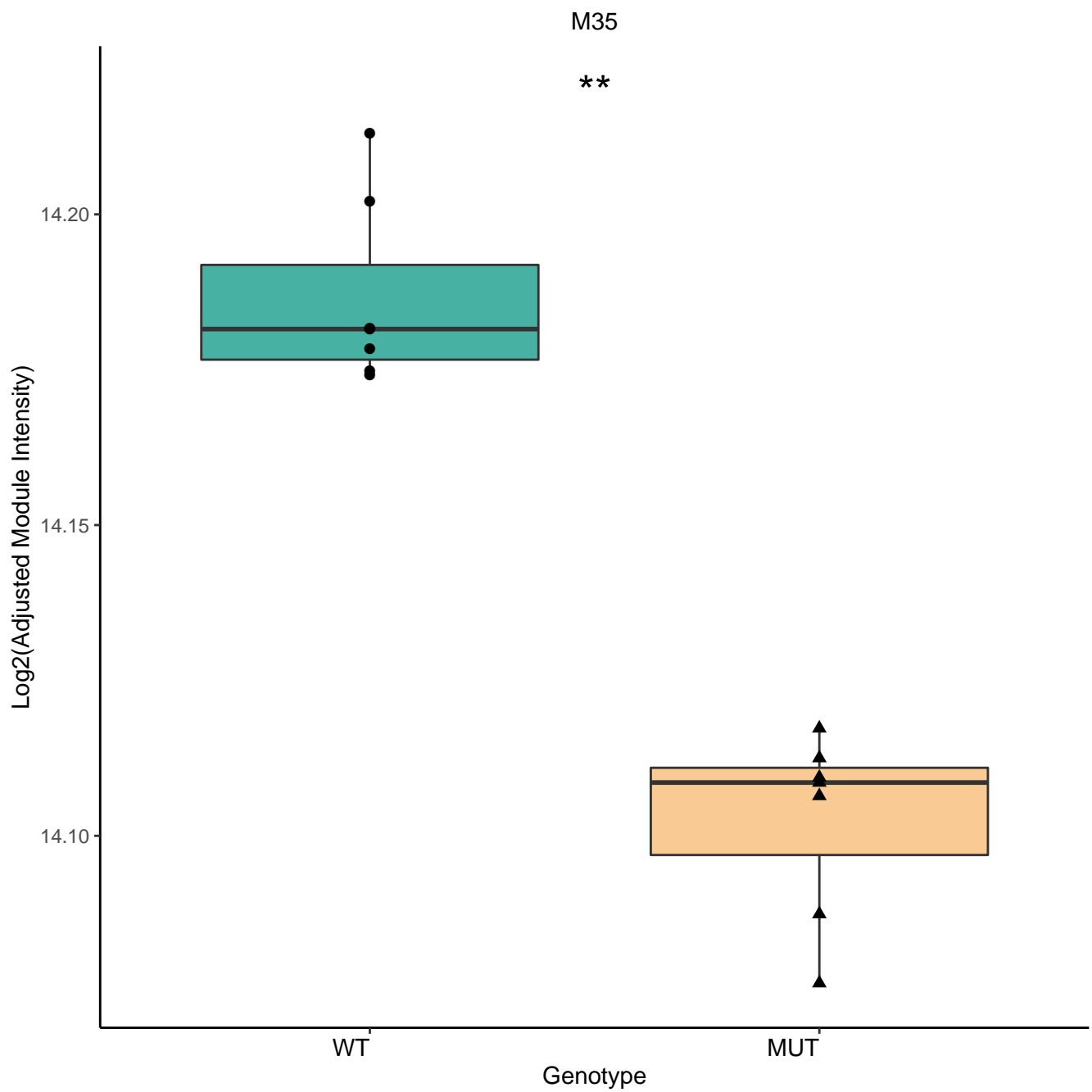
WT

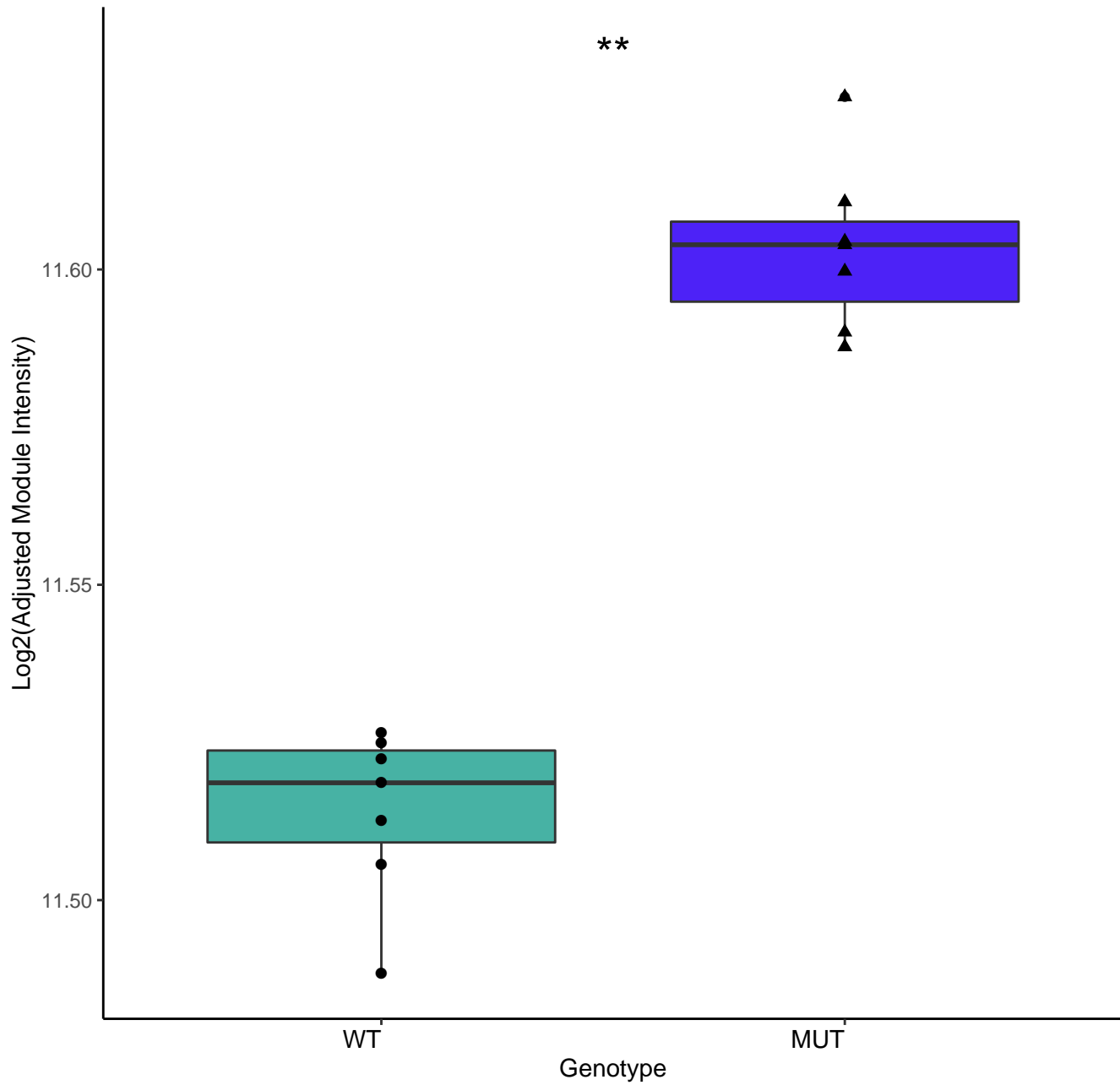
MUT

Genotype

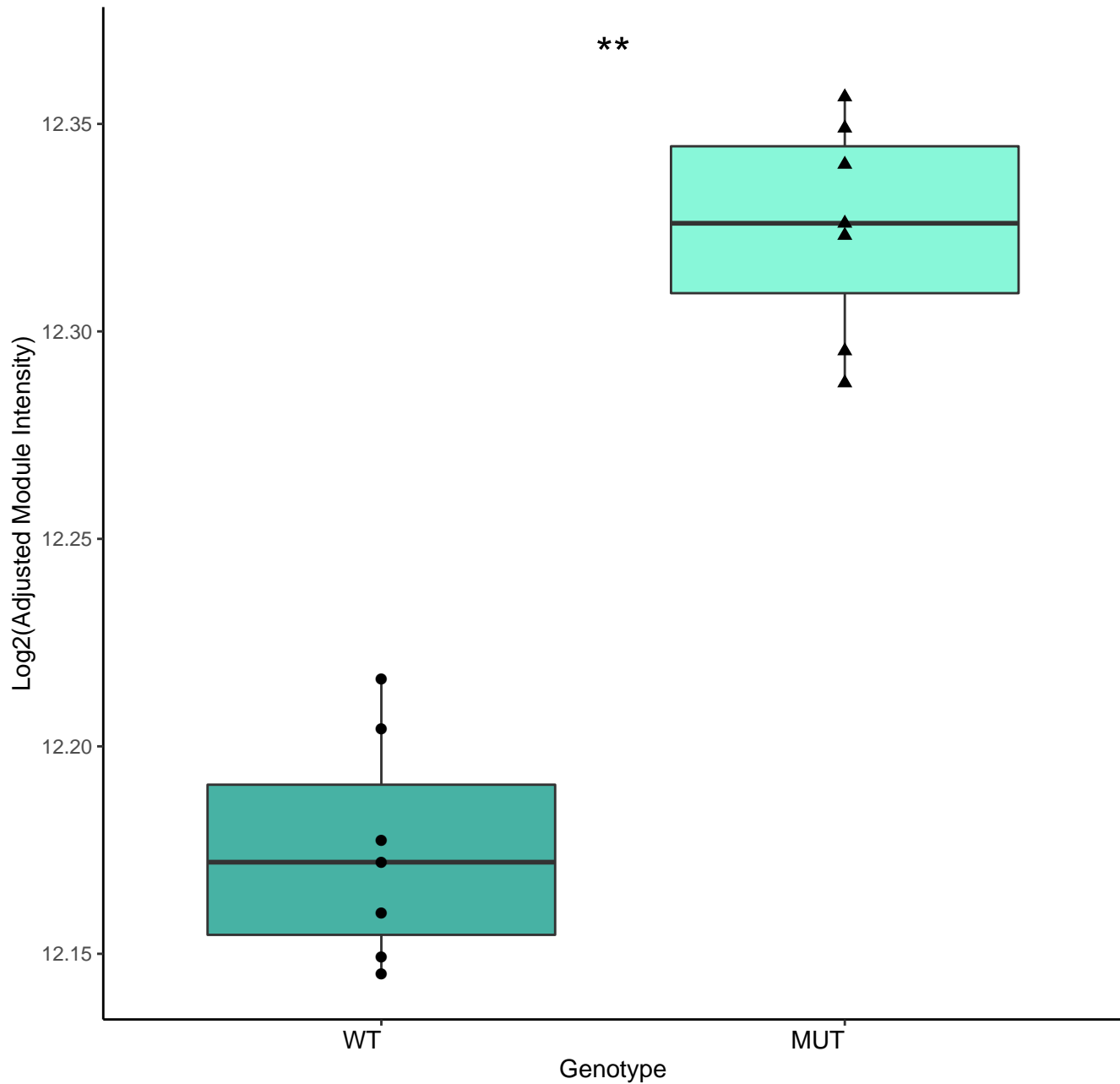
**

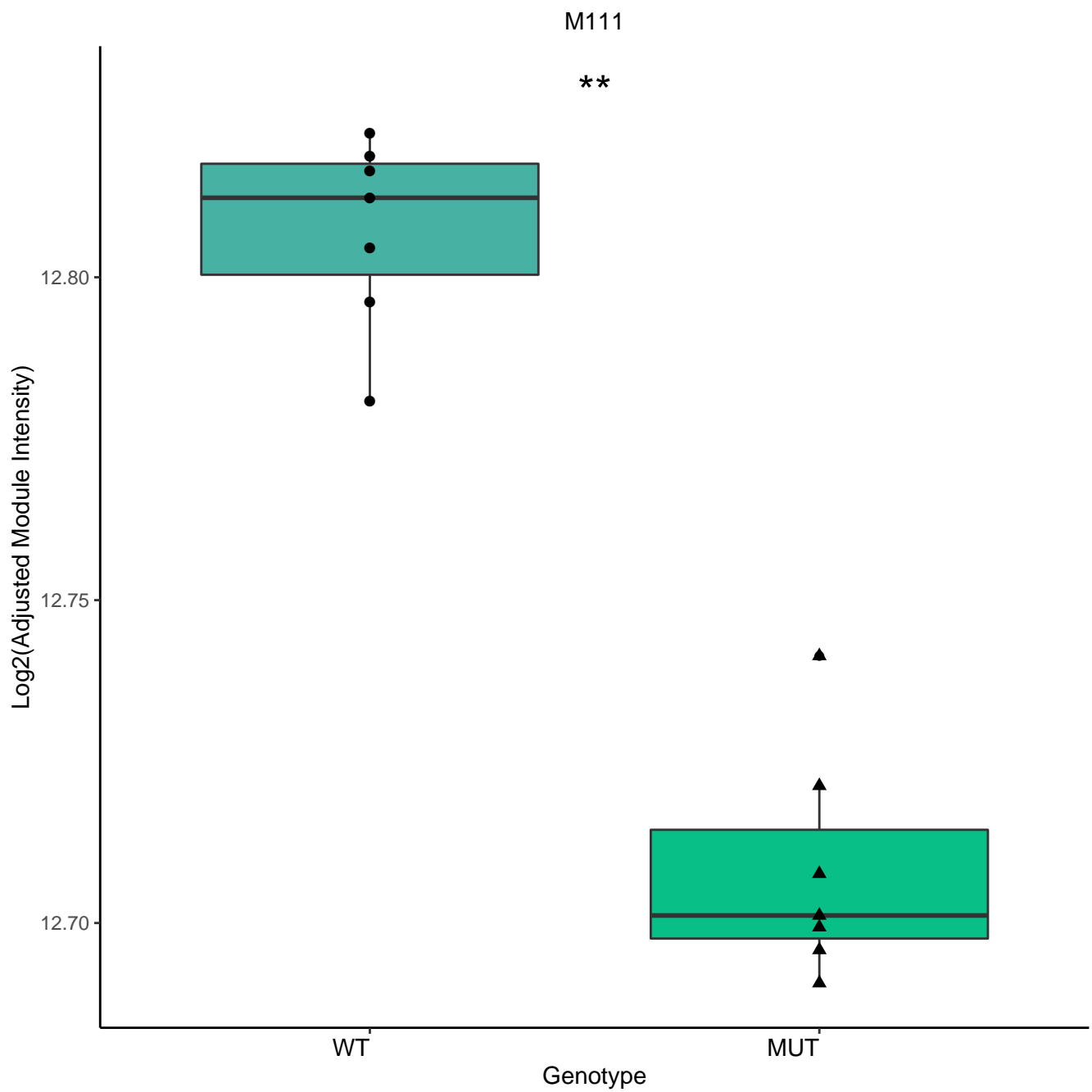


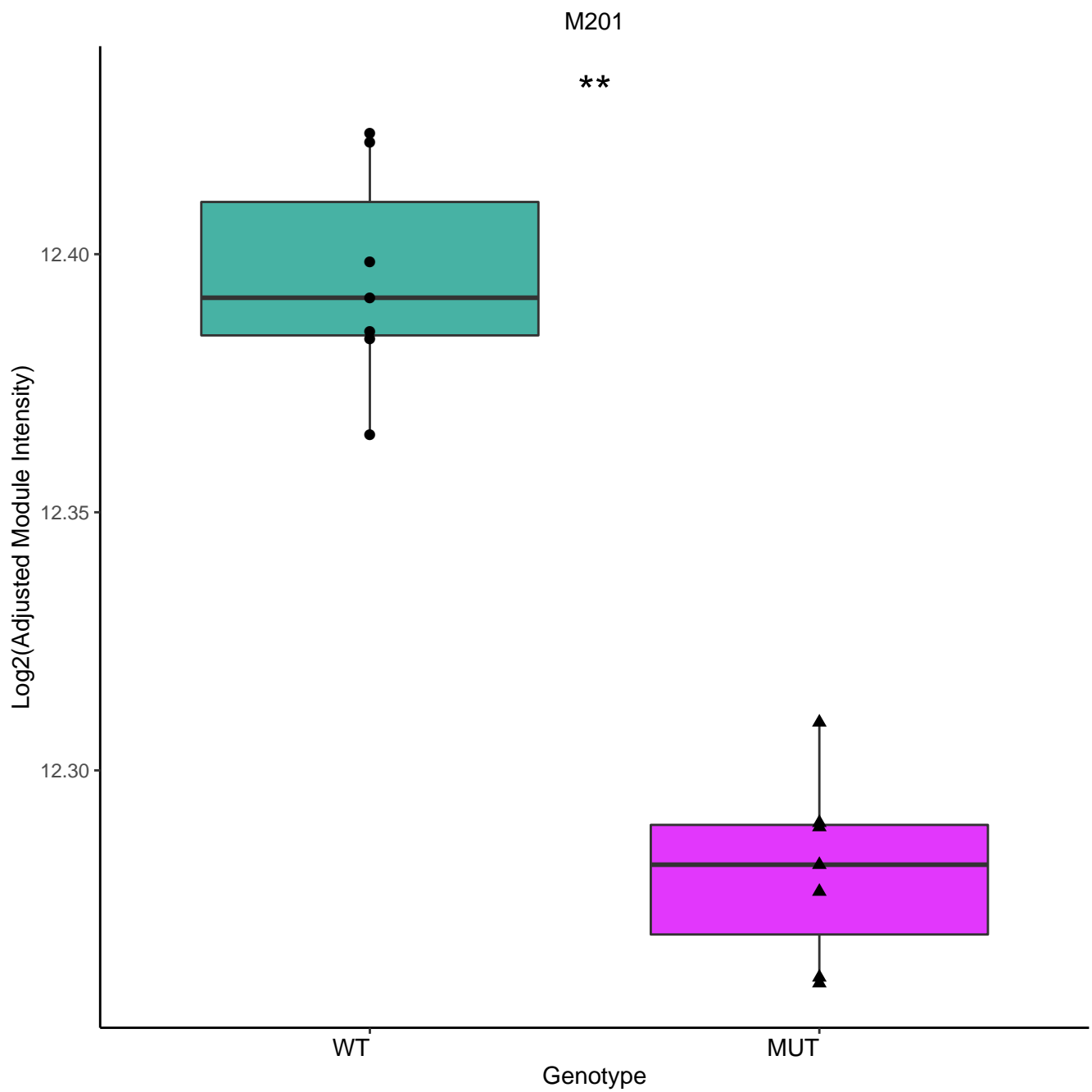


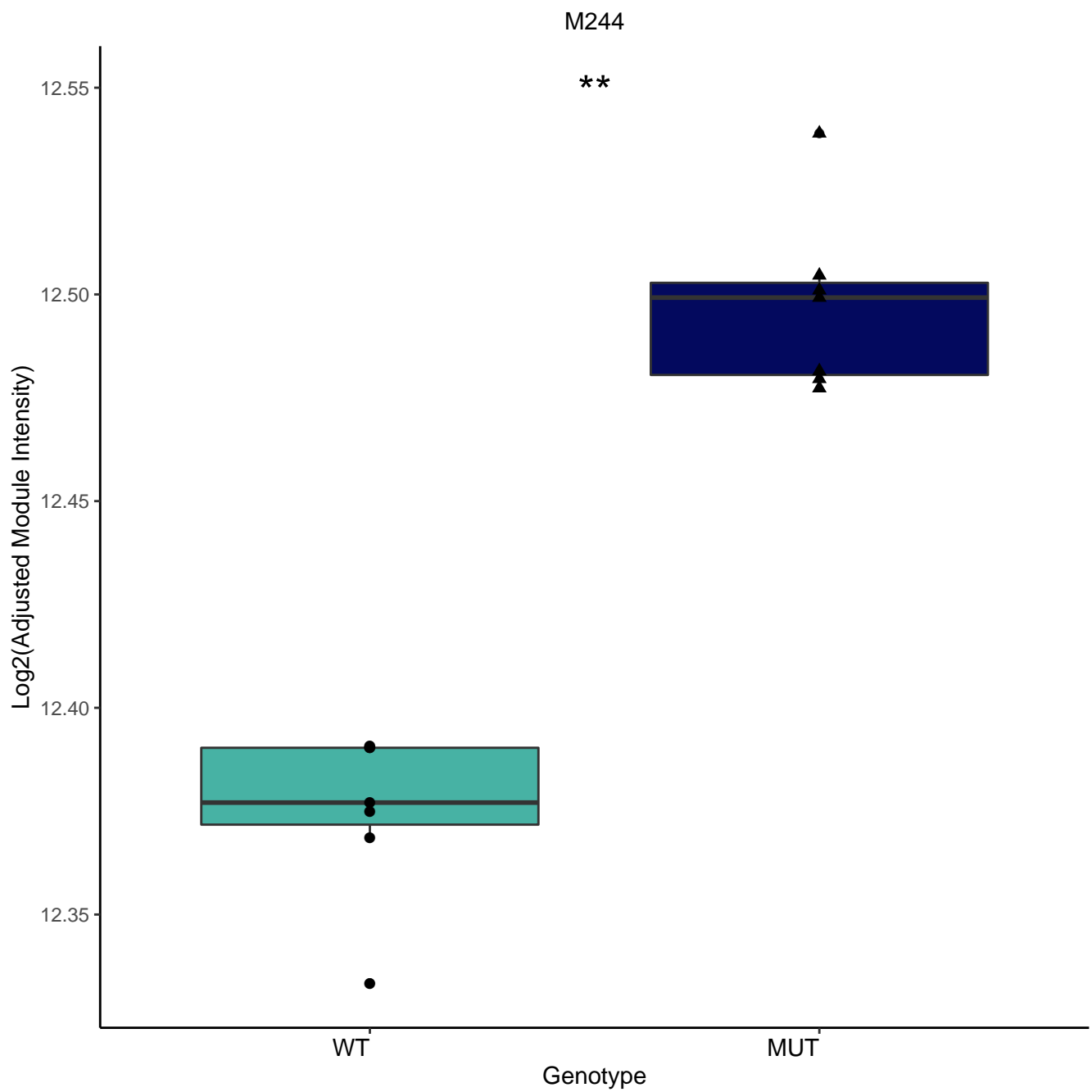


M213









M158

**

Log2(Adjusted Module Intensity)

12.65

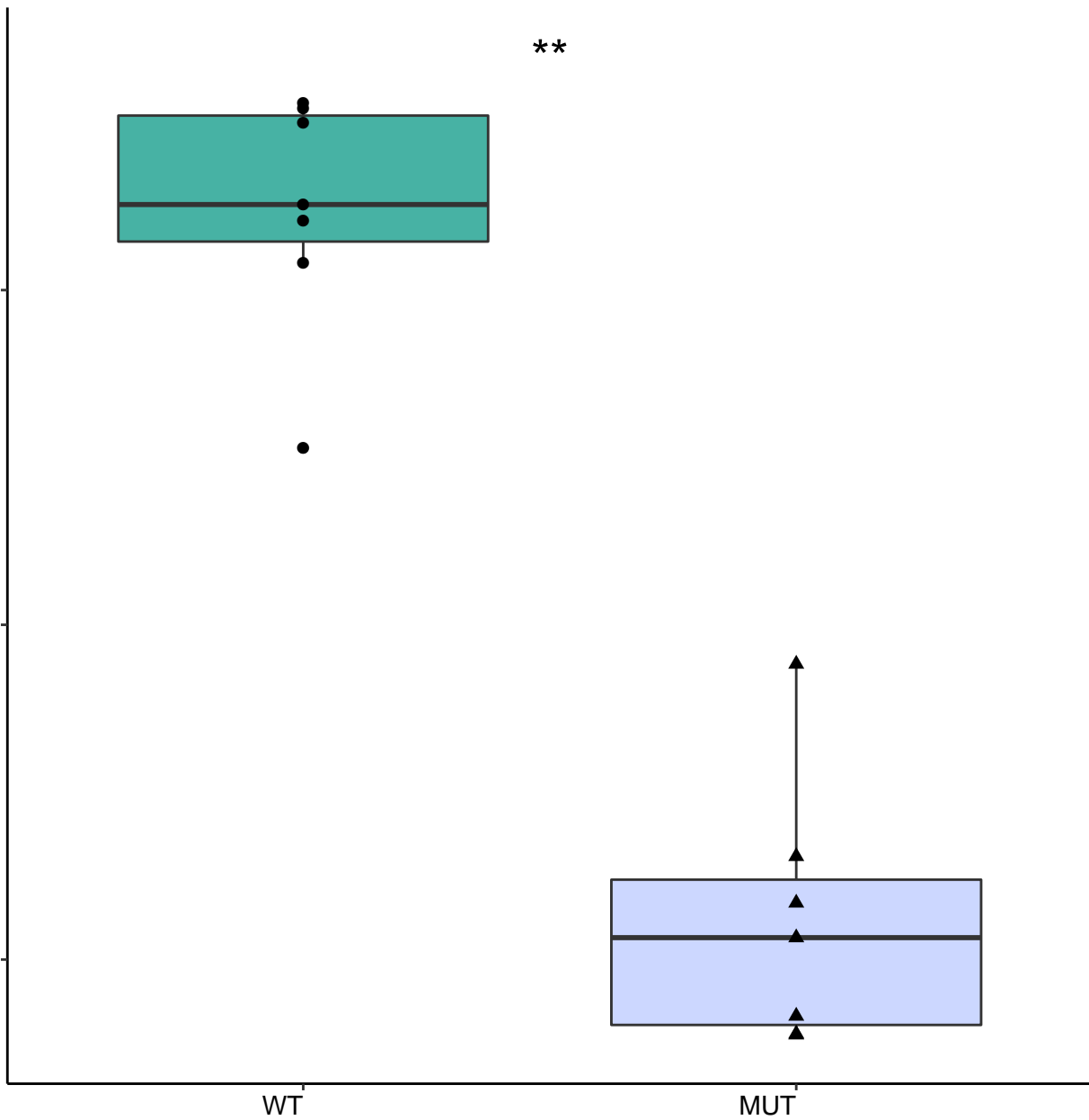
12.60

12.55

WT

Genotype

MUT



M97

**

Log2(Adjusted Module Intensity)

12.50

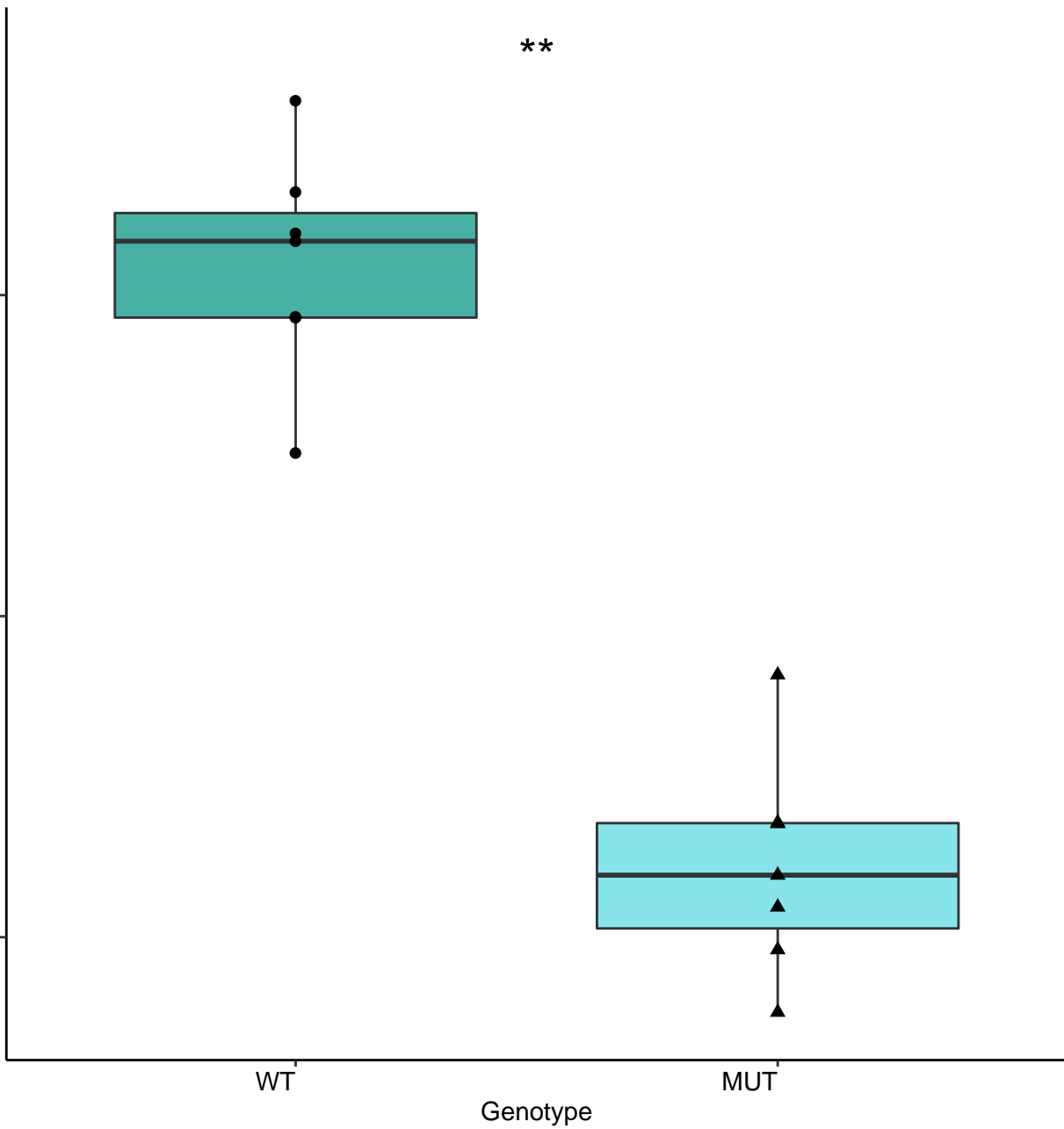
12.45

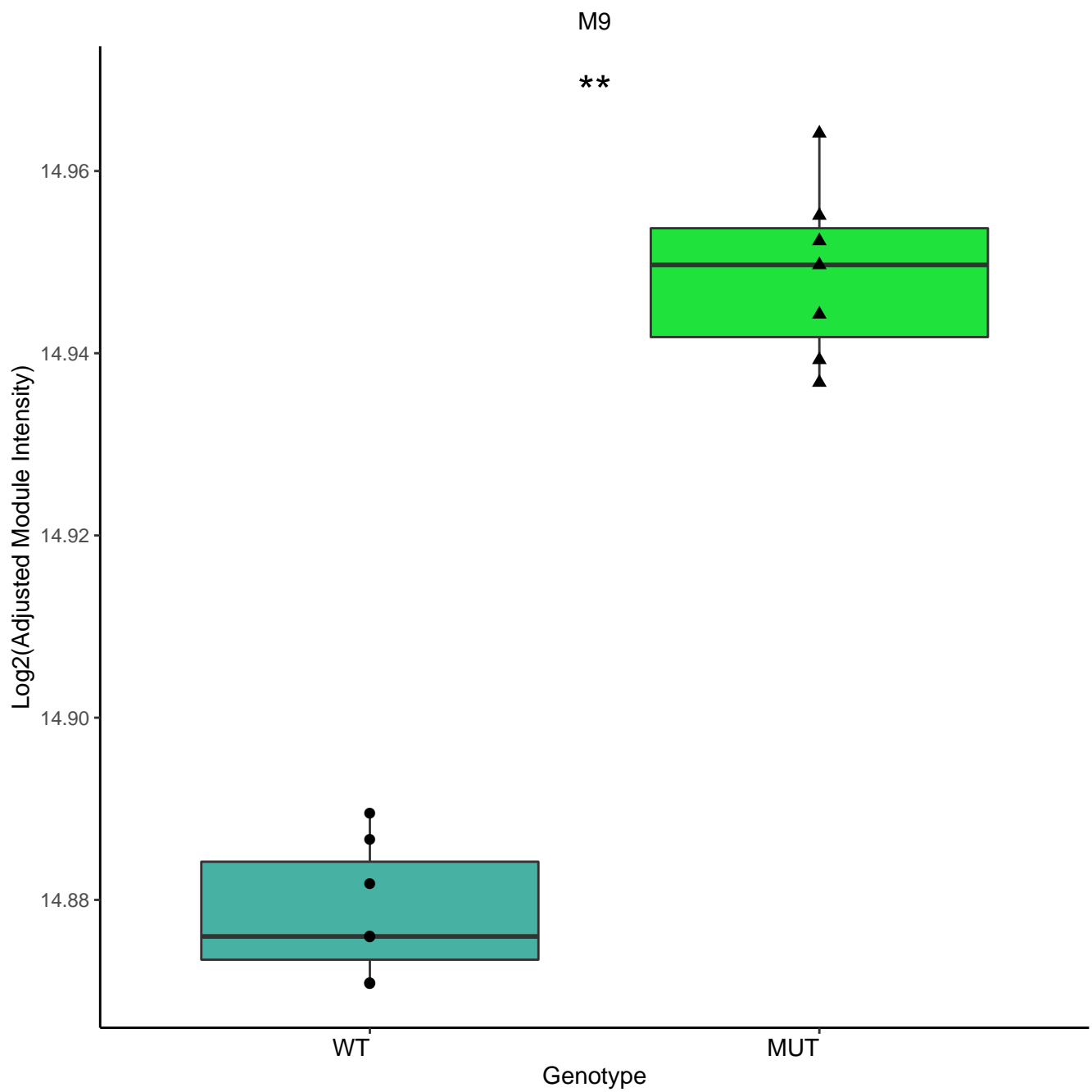
12.40

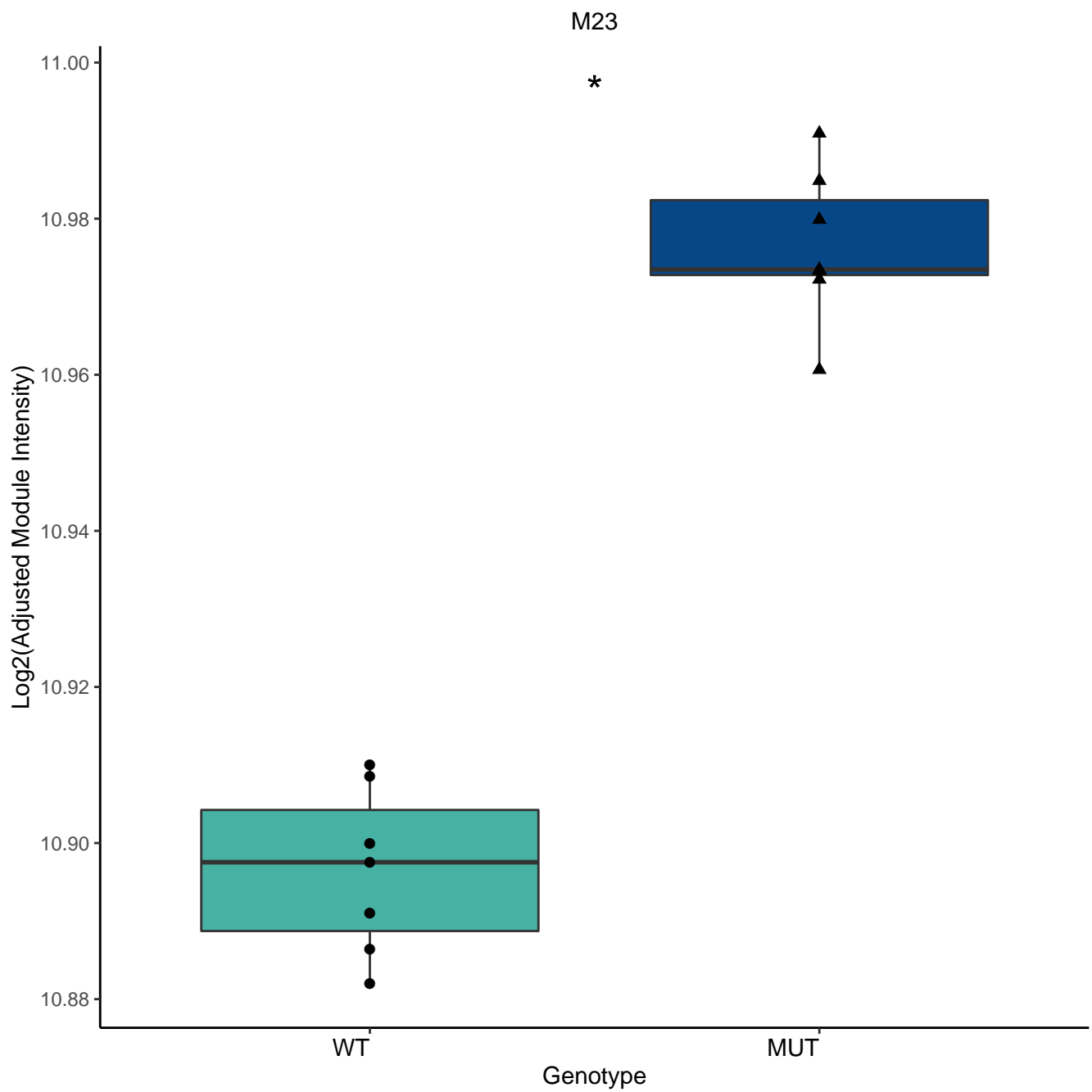
WT

MUT

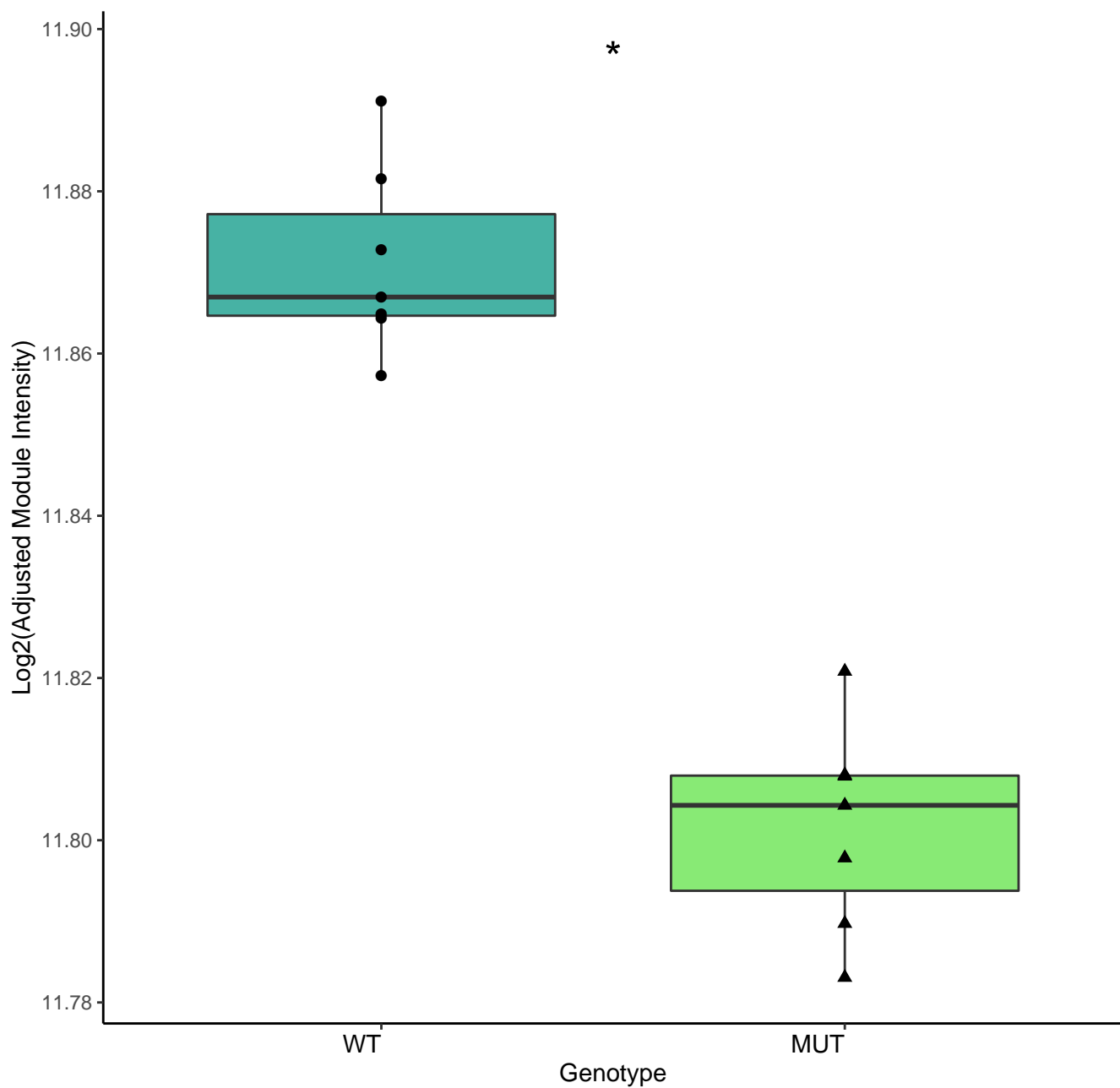
Genotype

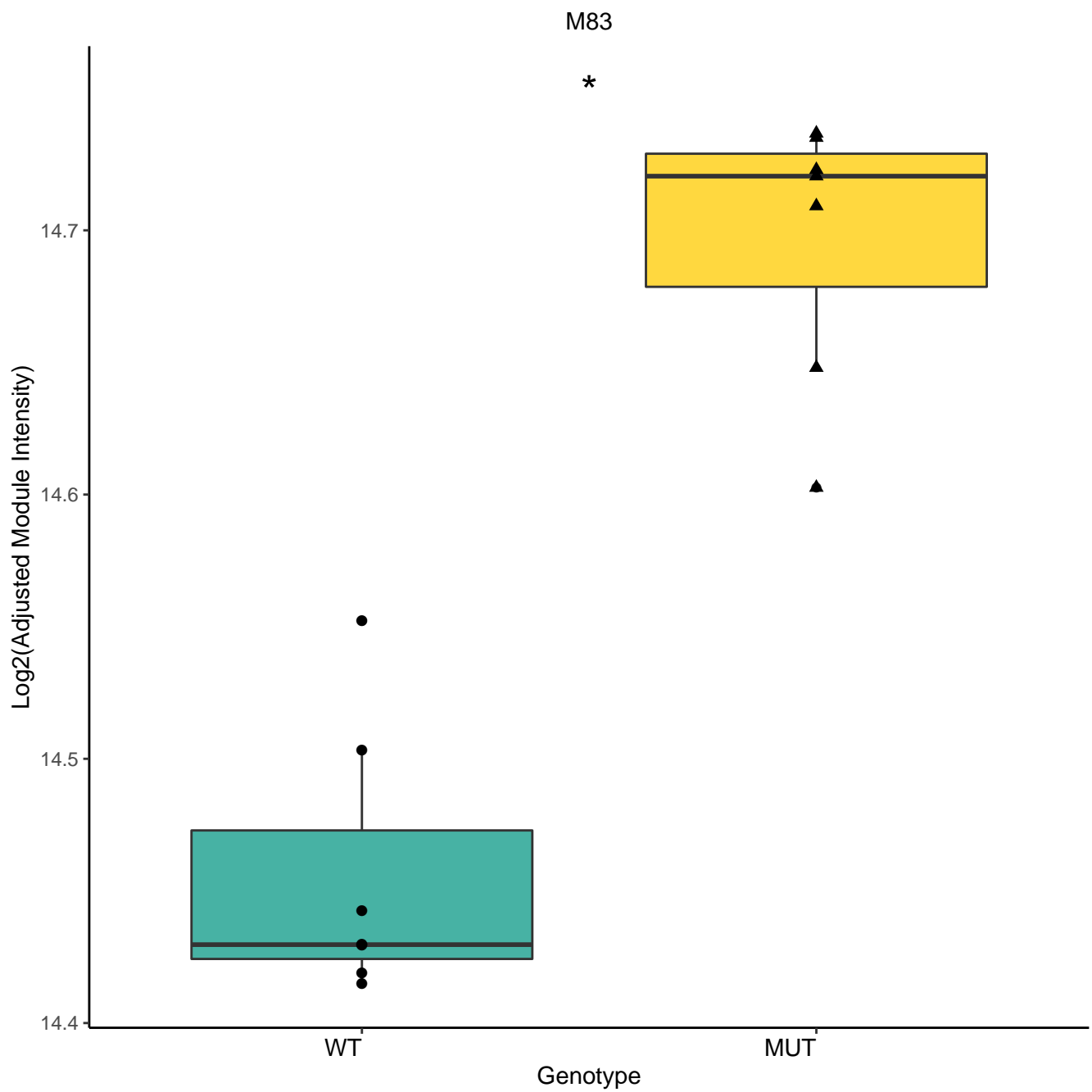


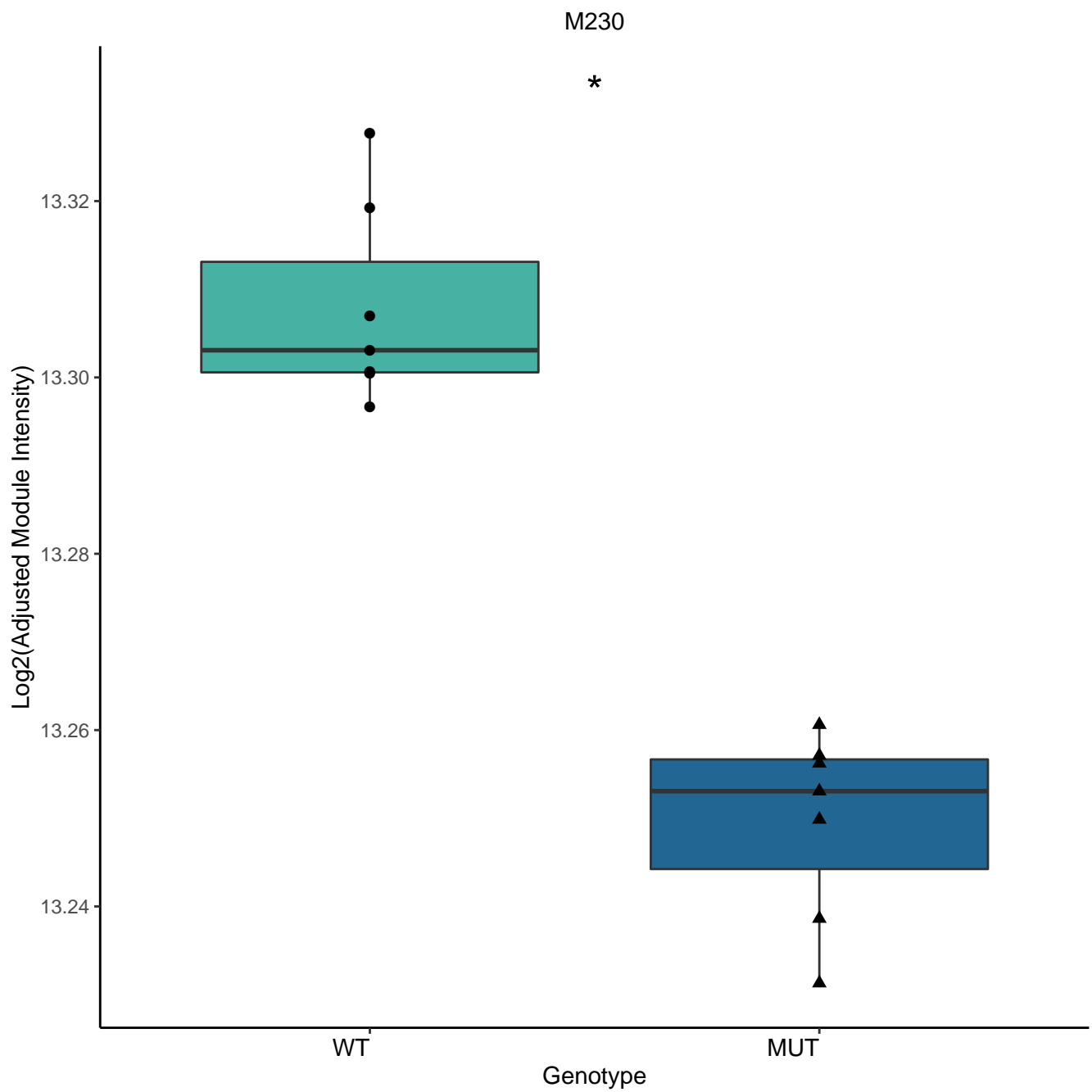




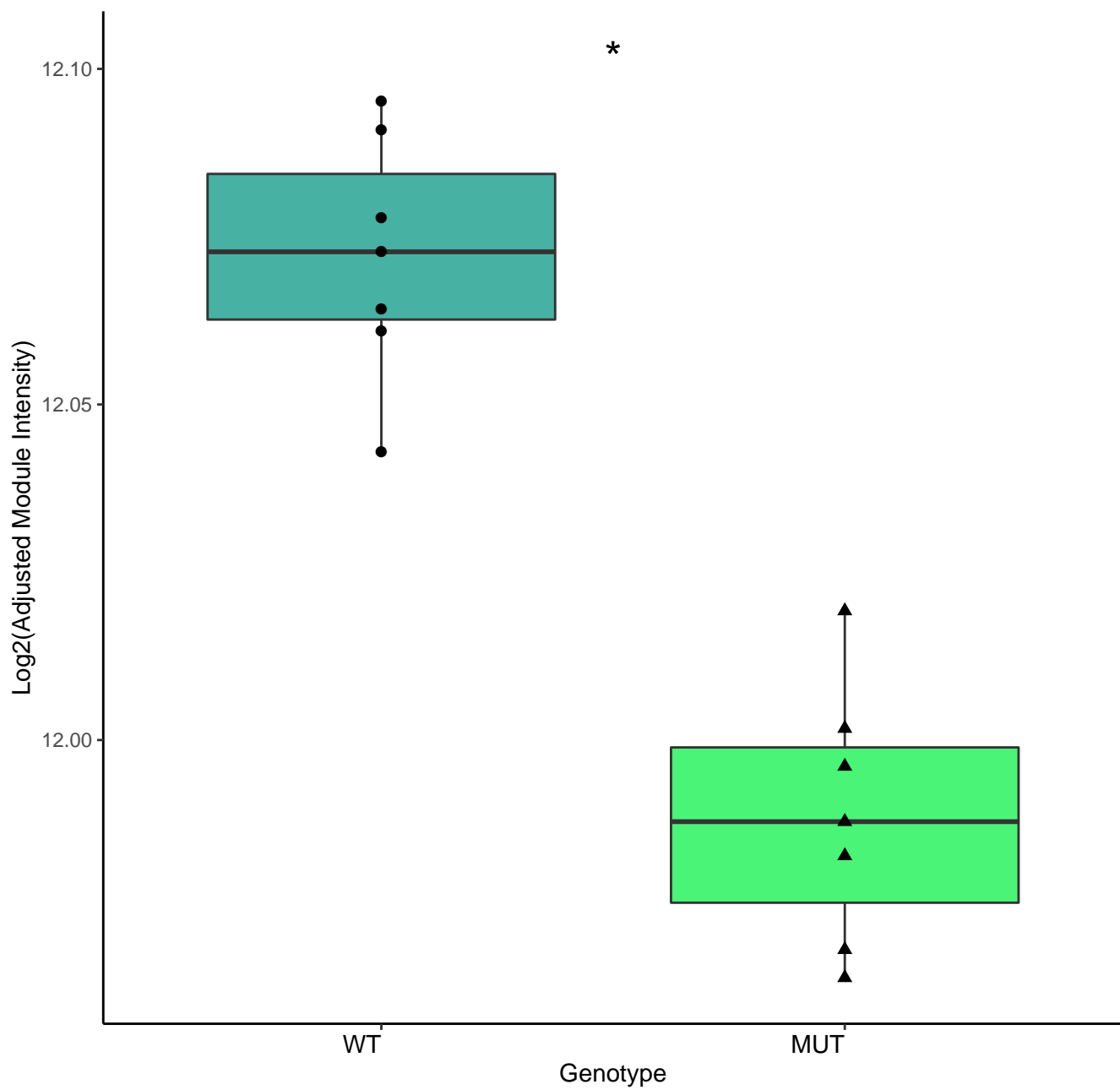
M151

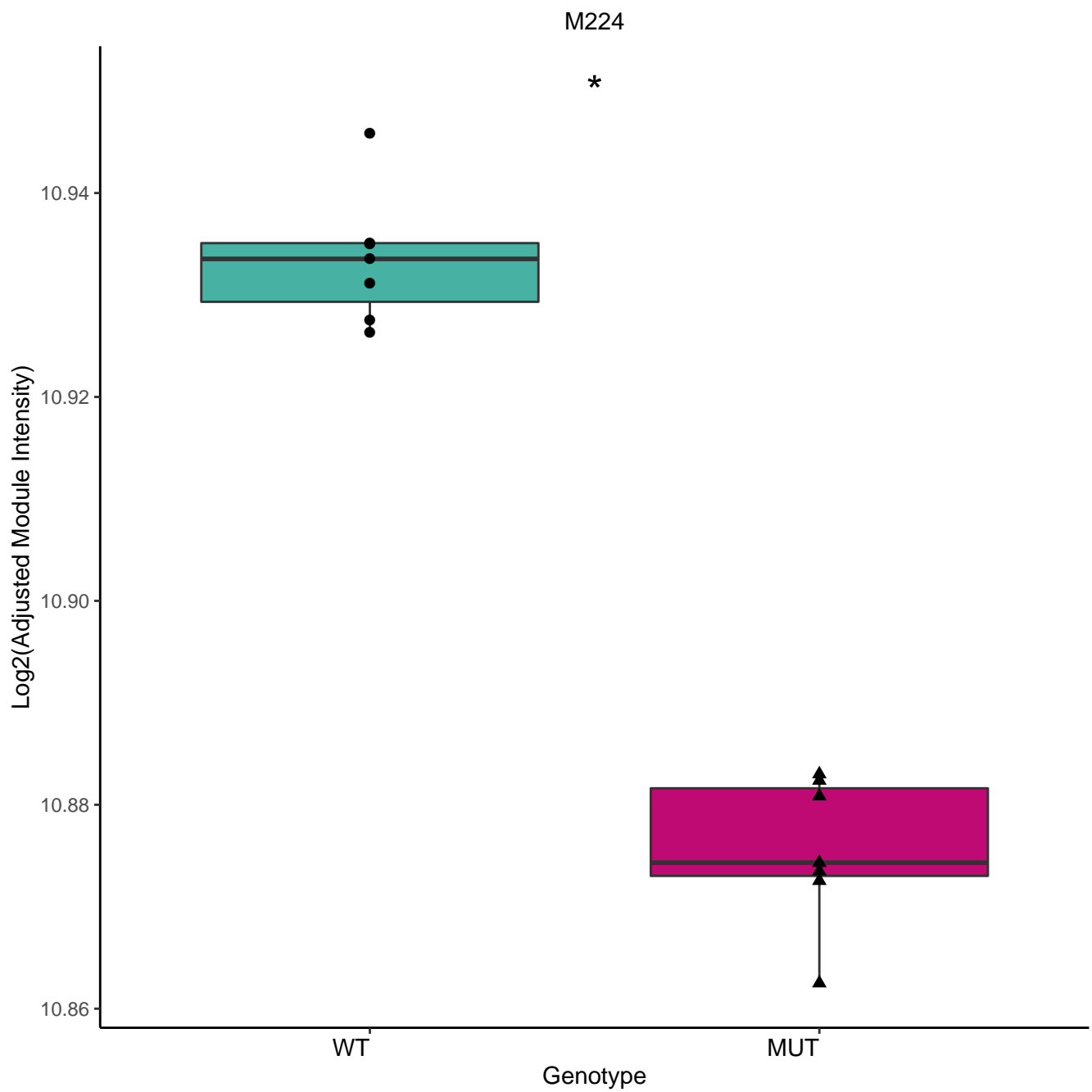


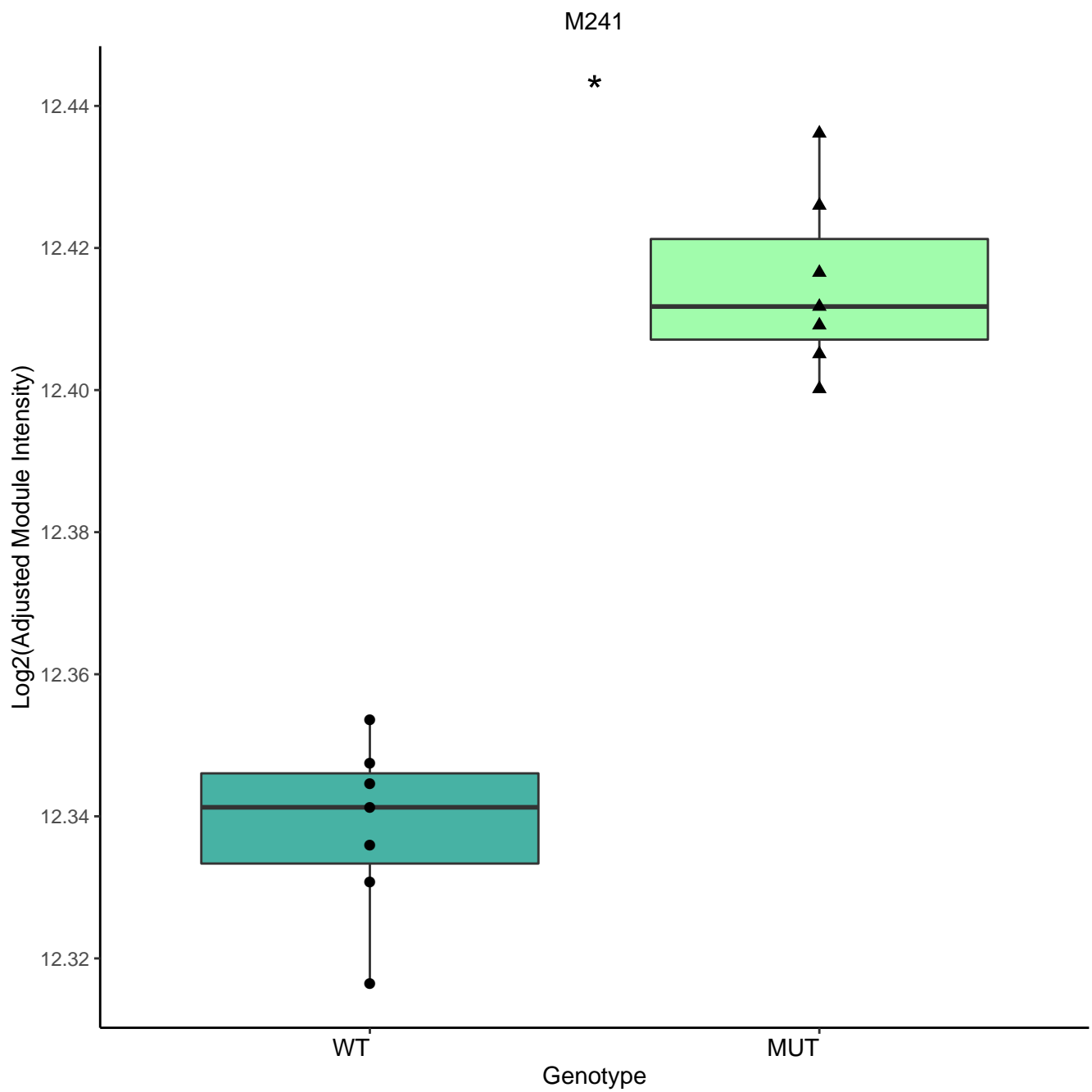




M153







M143

Log2(Adjusted Module Intensity)

14.05

14.00

13.95

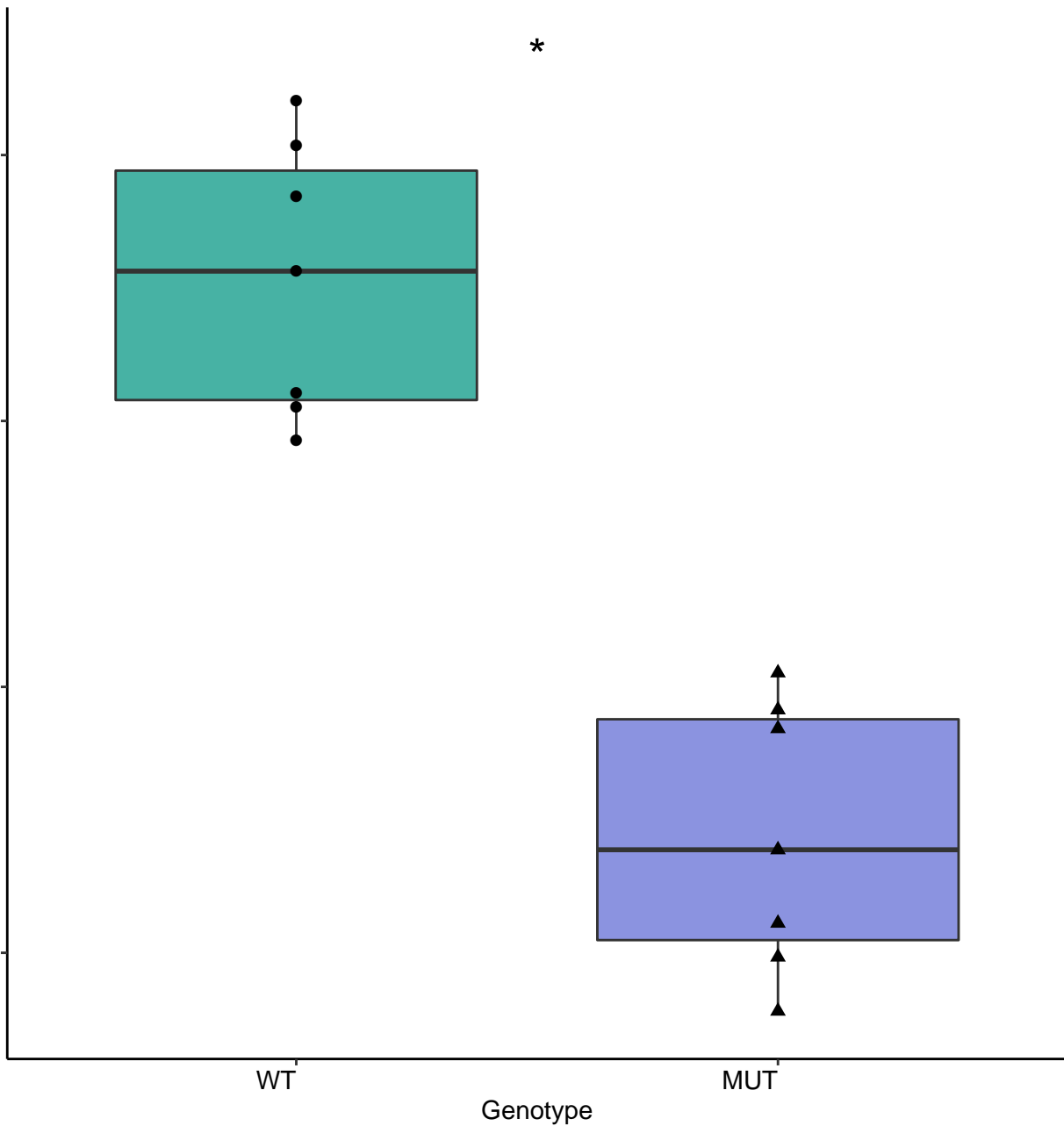
13.90

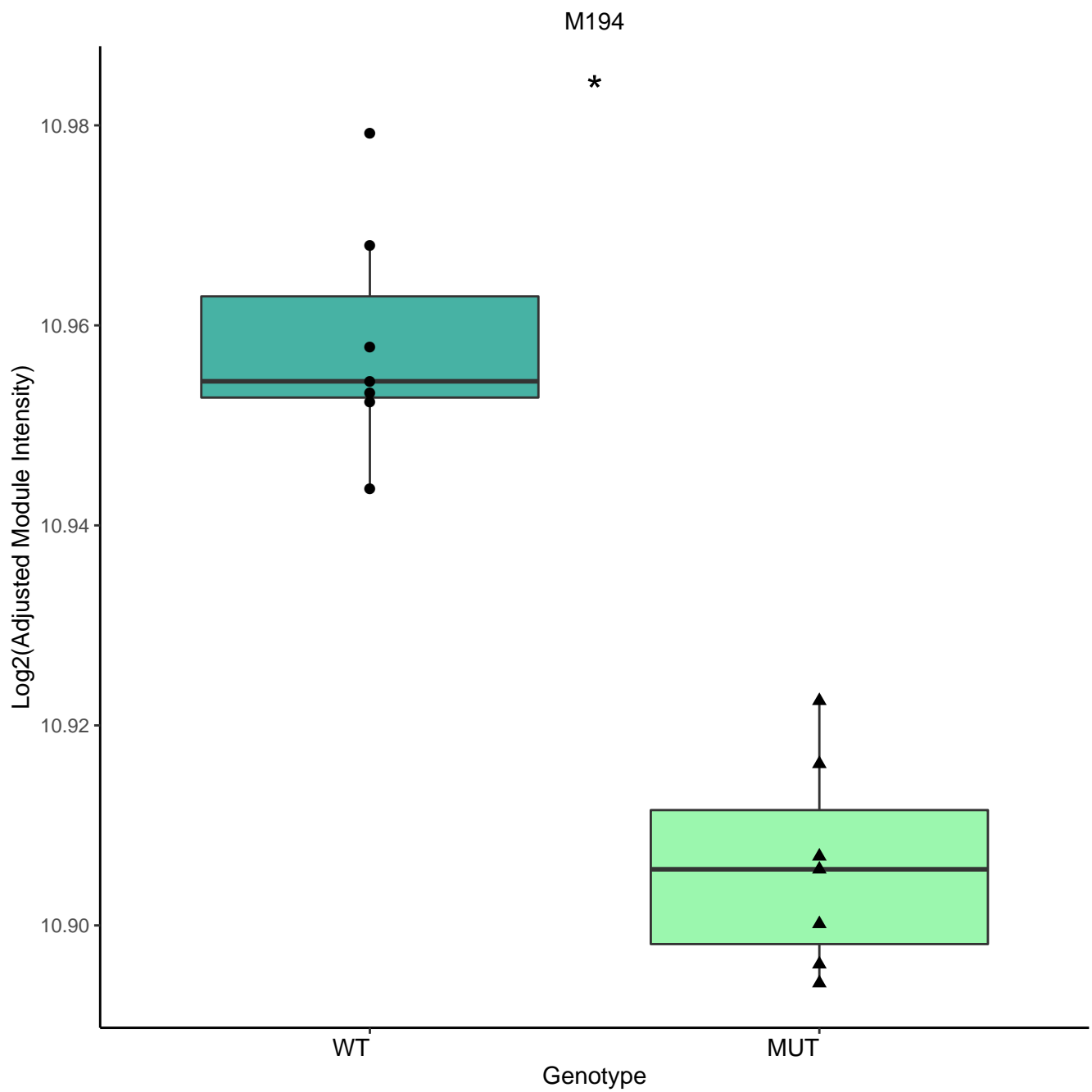
WT

Genotype

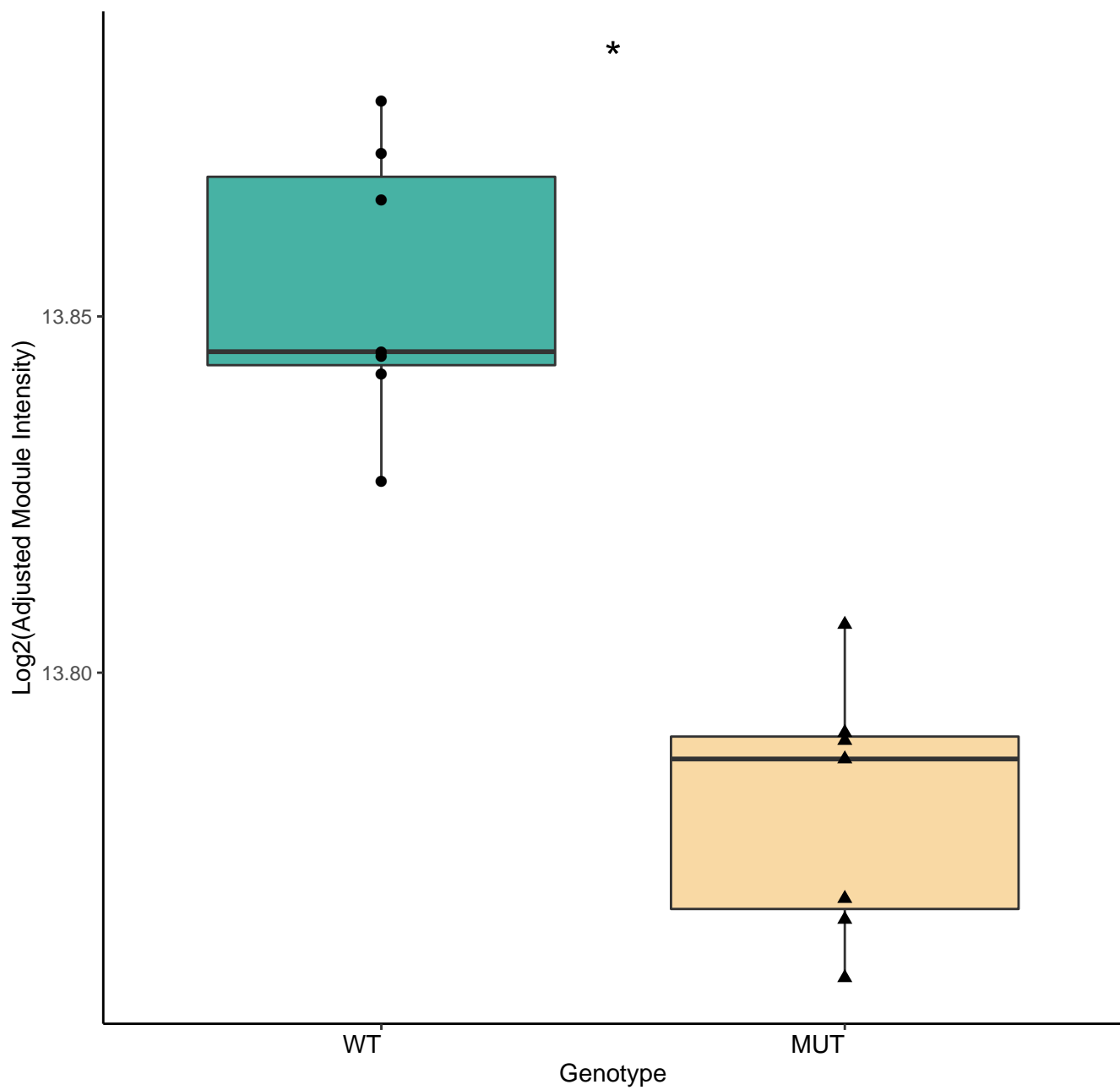
MUT

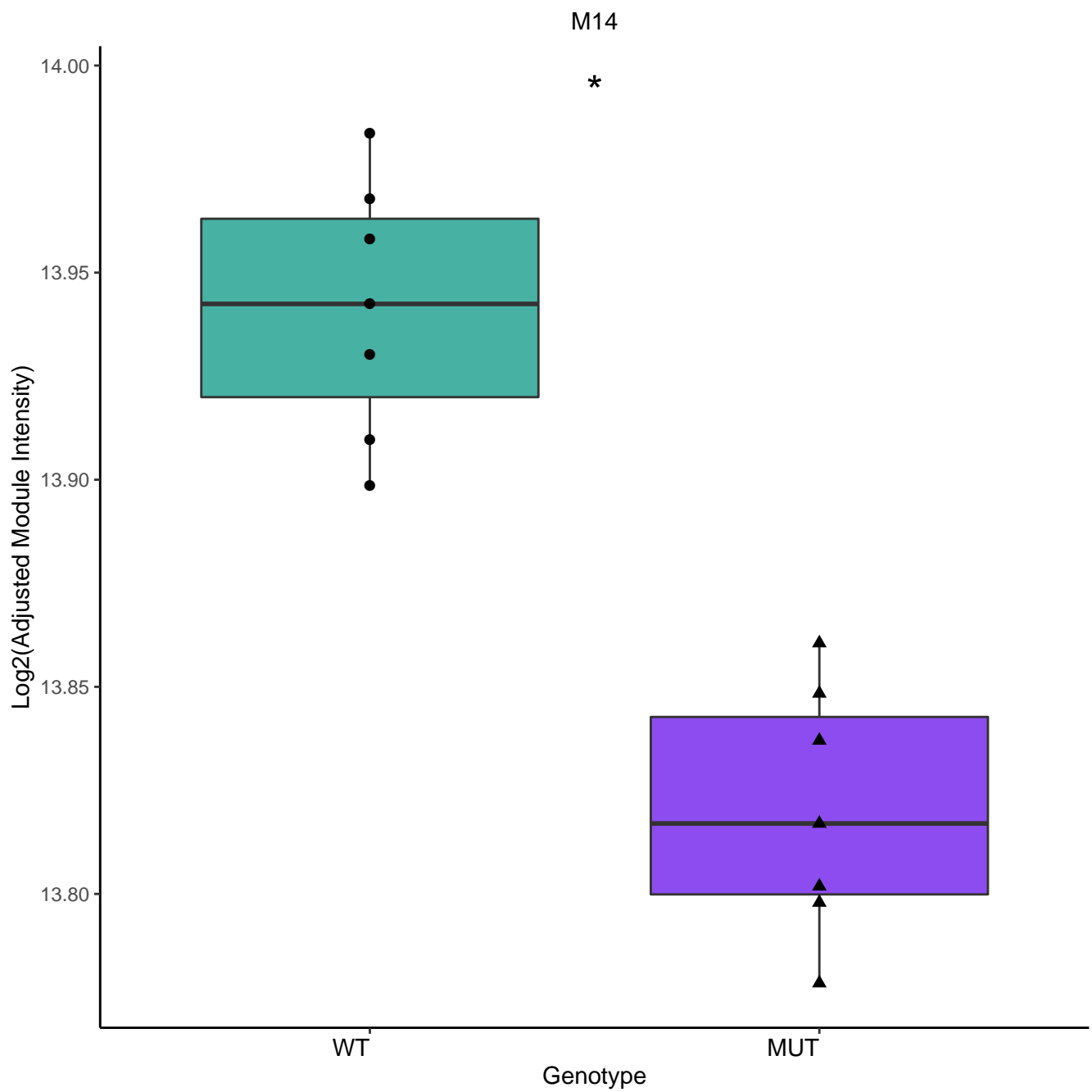
*



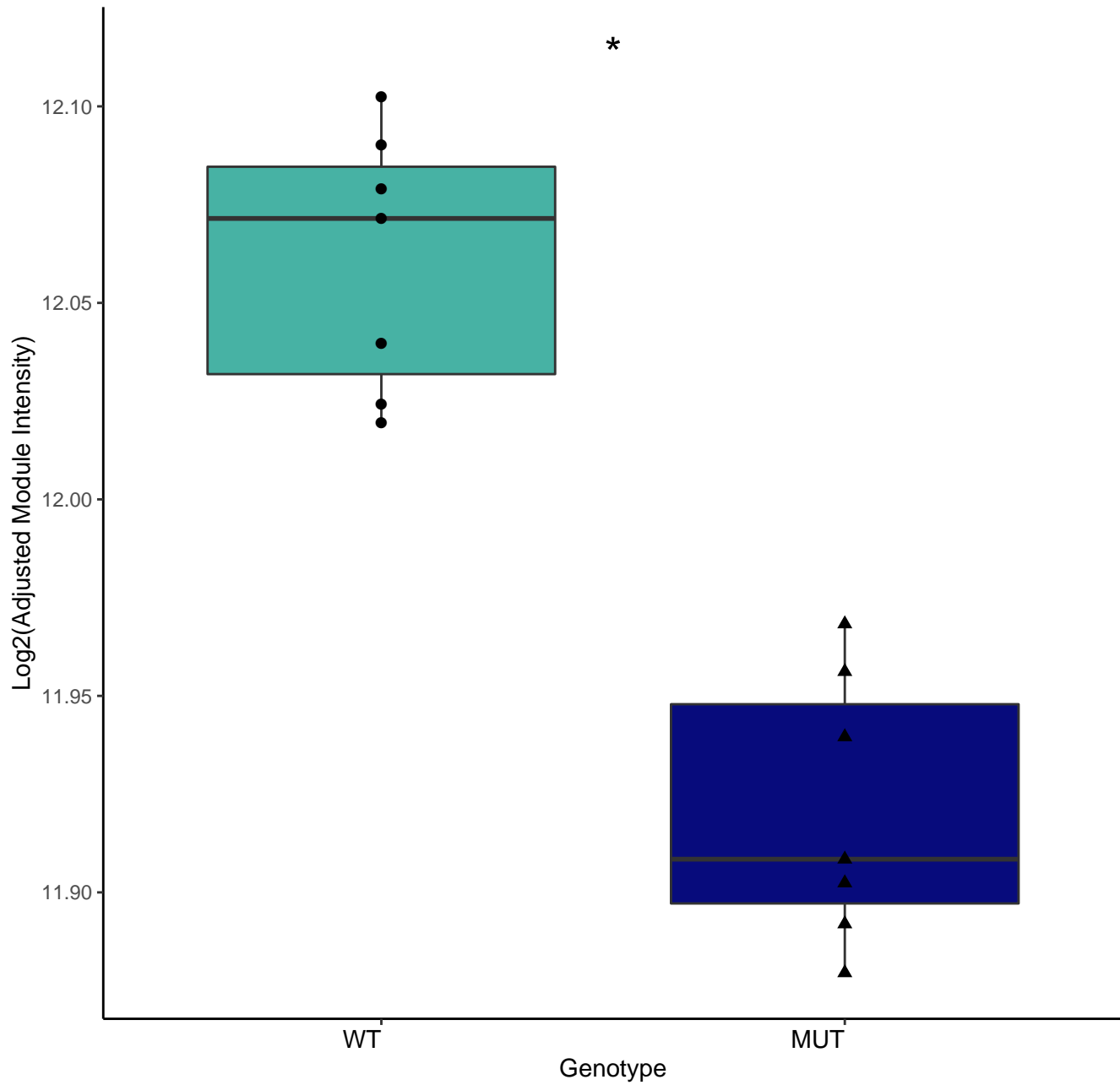


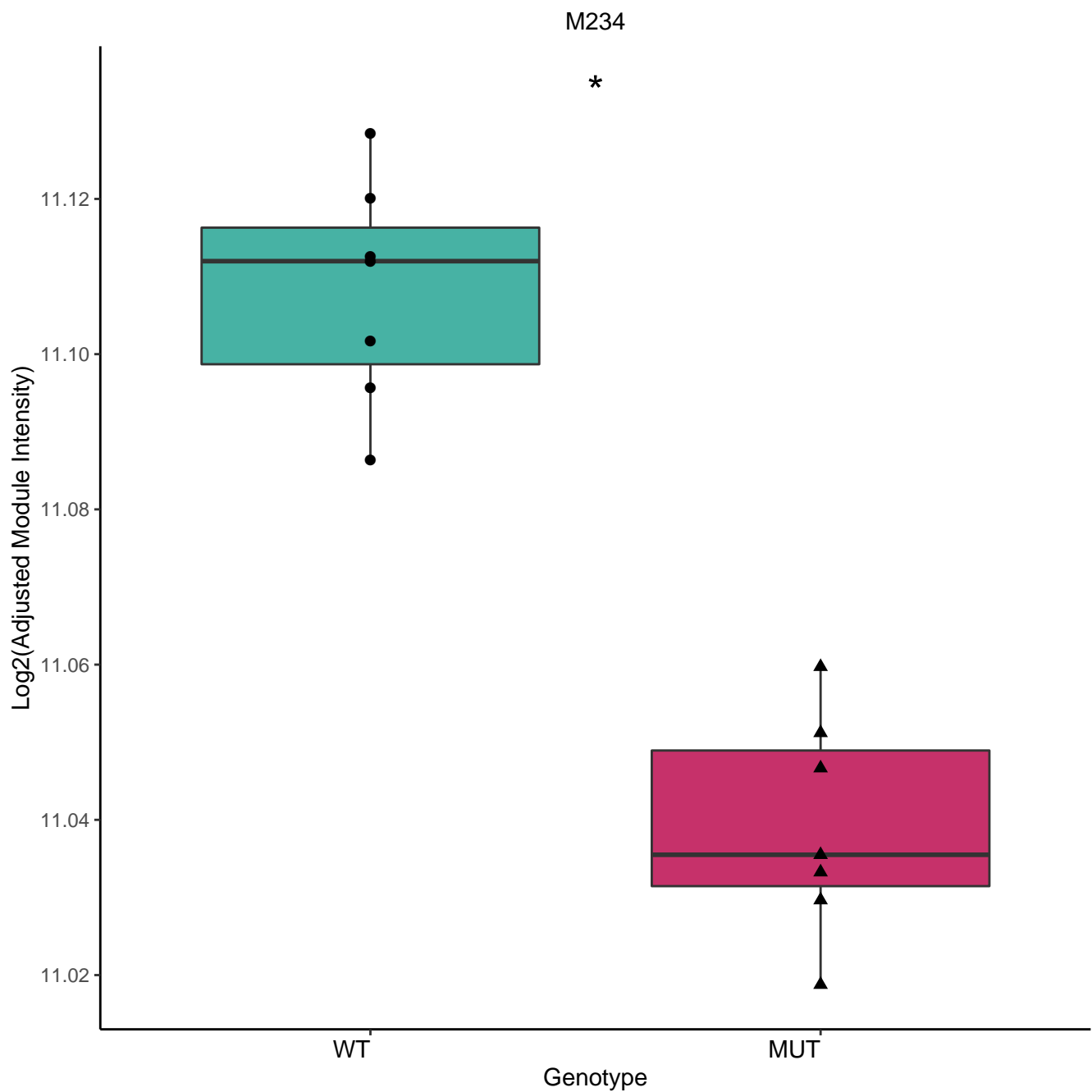
M115

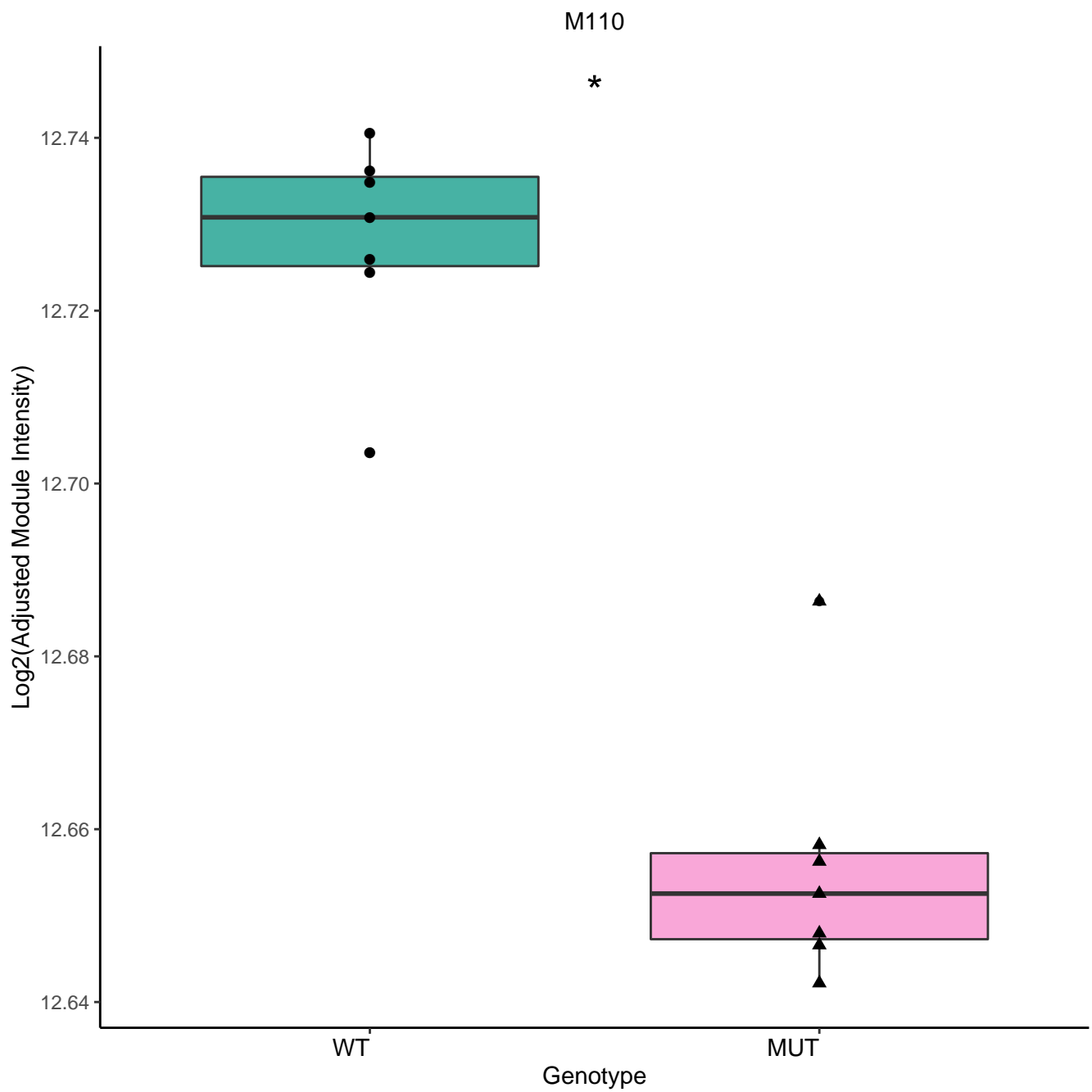




M138







M159

Log2(Adjusted Module Intensity)

10.95

10.90

10.85

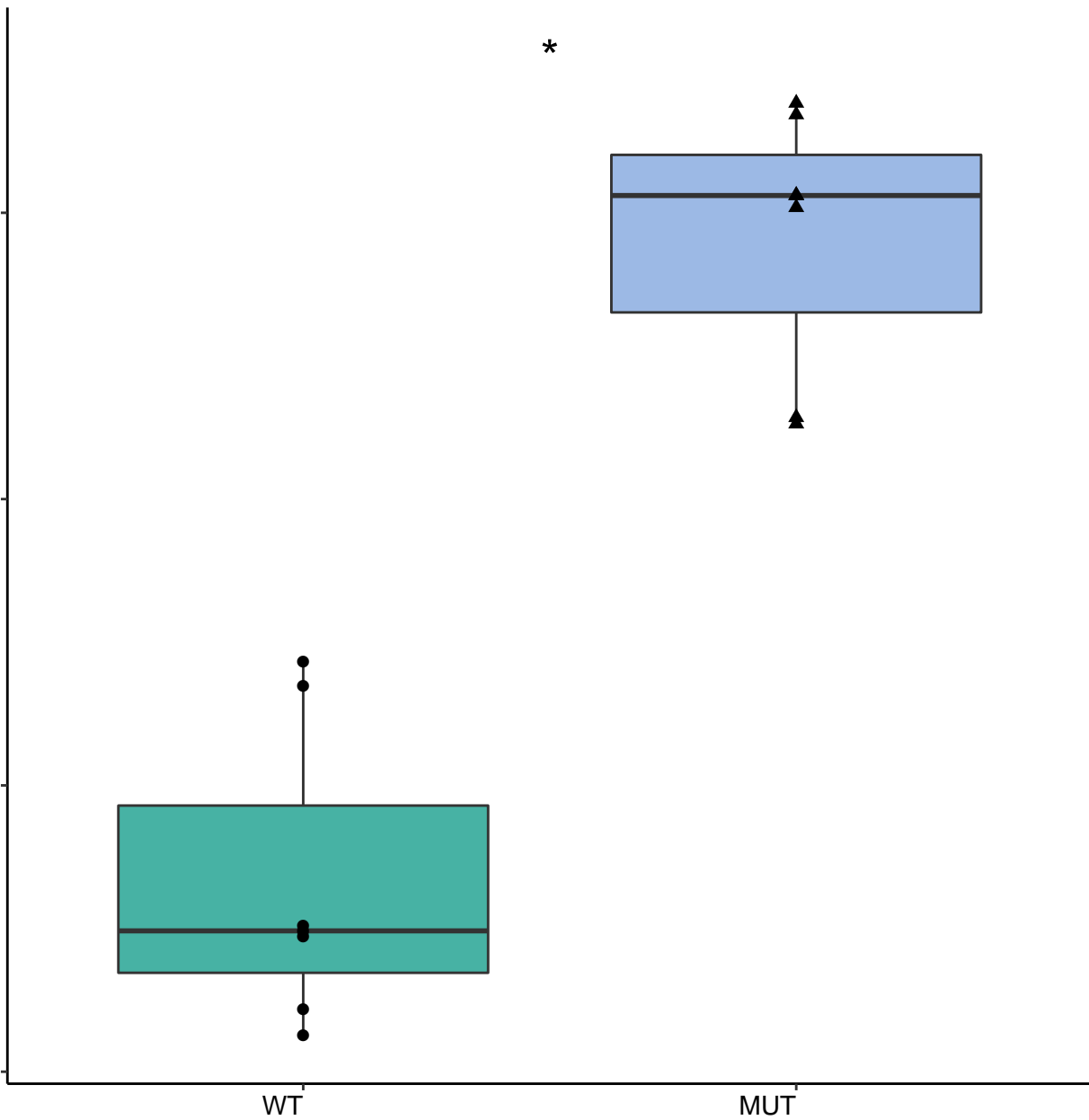
10.80

WT

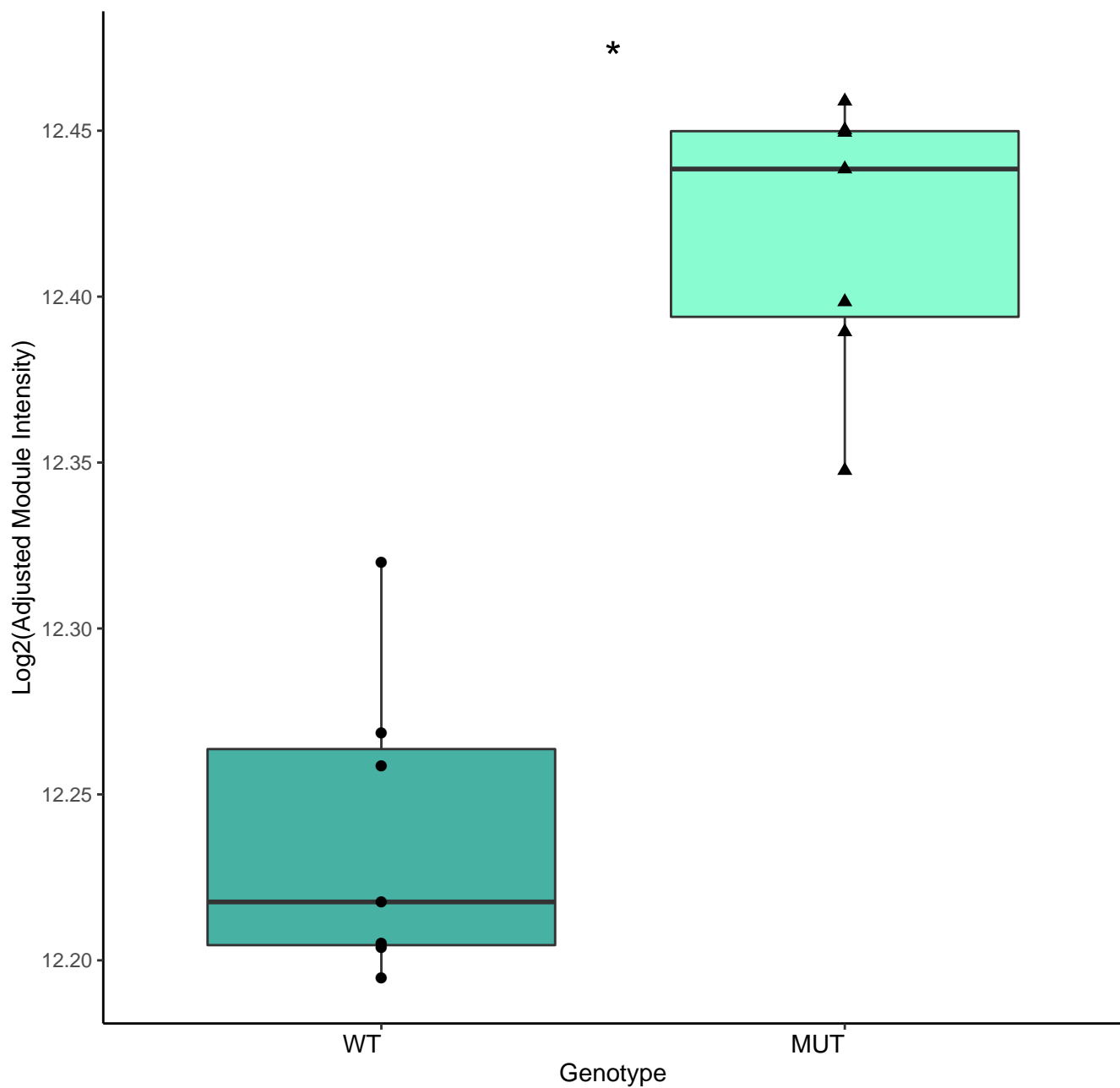
MUT

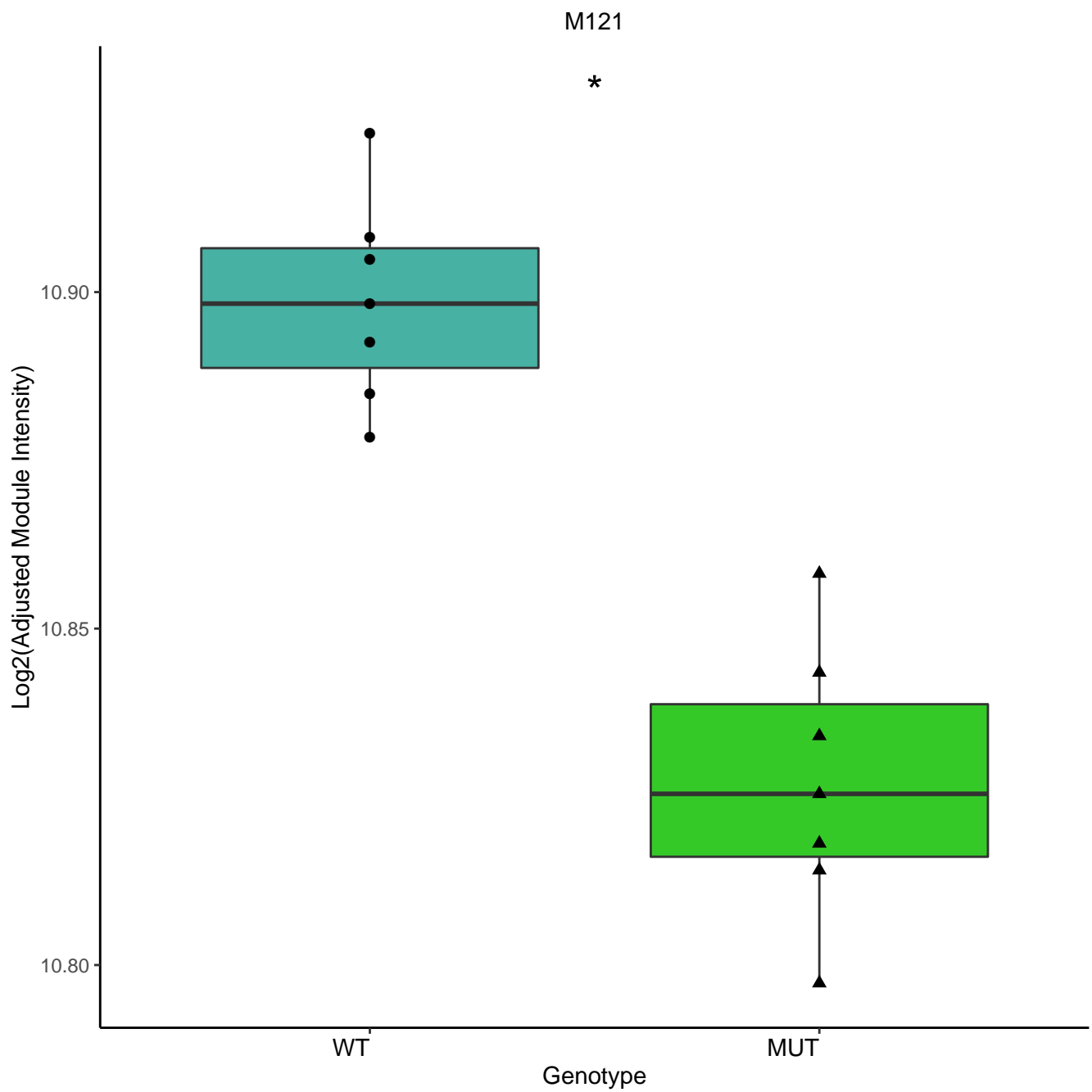
Genotype

*



M193





M133

Log2(Adjusted Module Intensity)

14.42

14.40

14.38

14.36

WT

Genotype

MUT

*

