

M1

Log2(Adjusted Module Intensity)

16.30

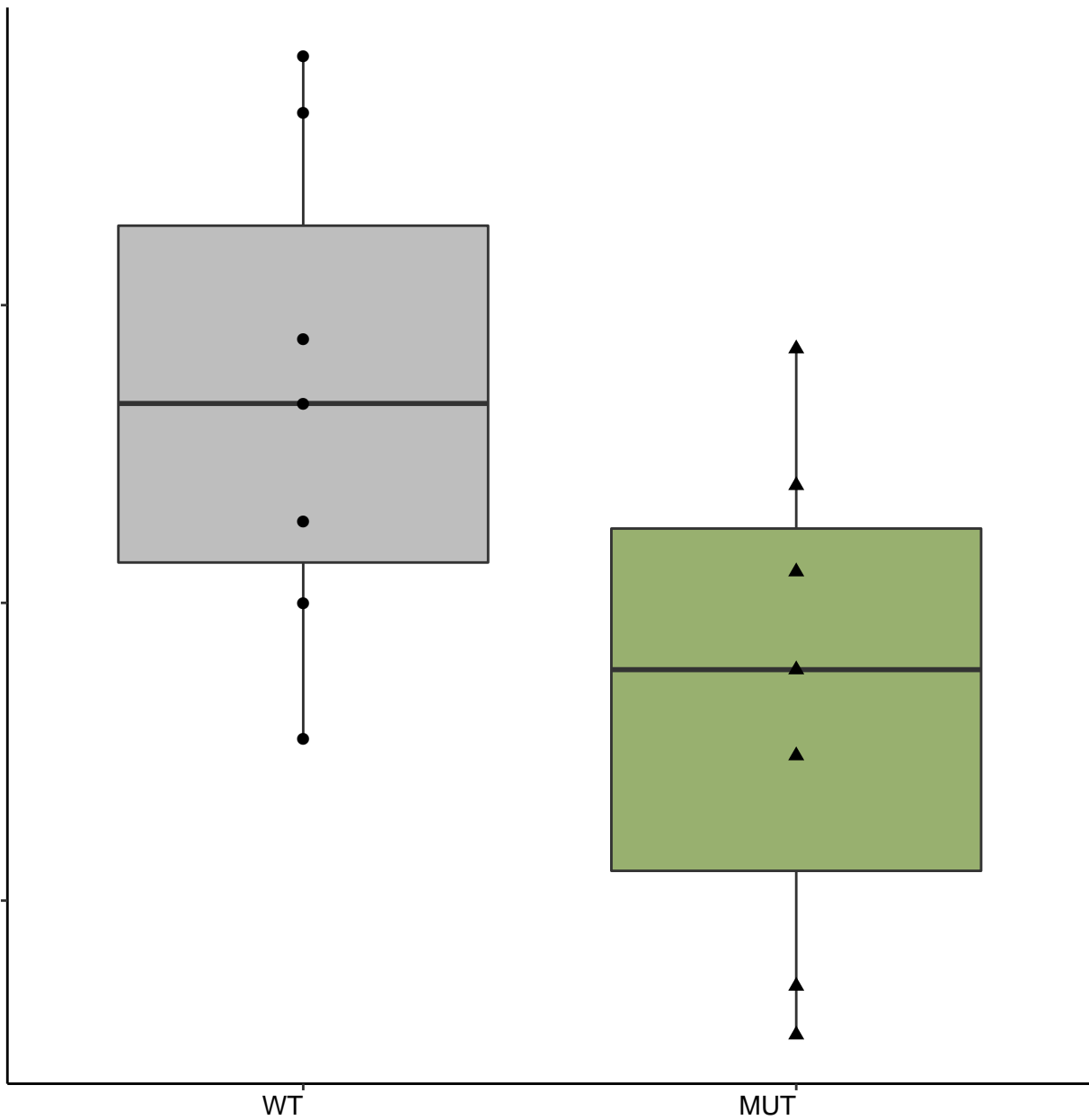
16.28

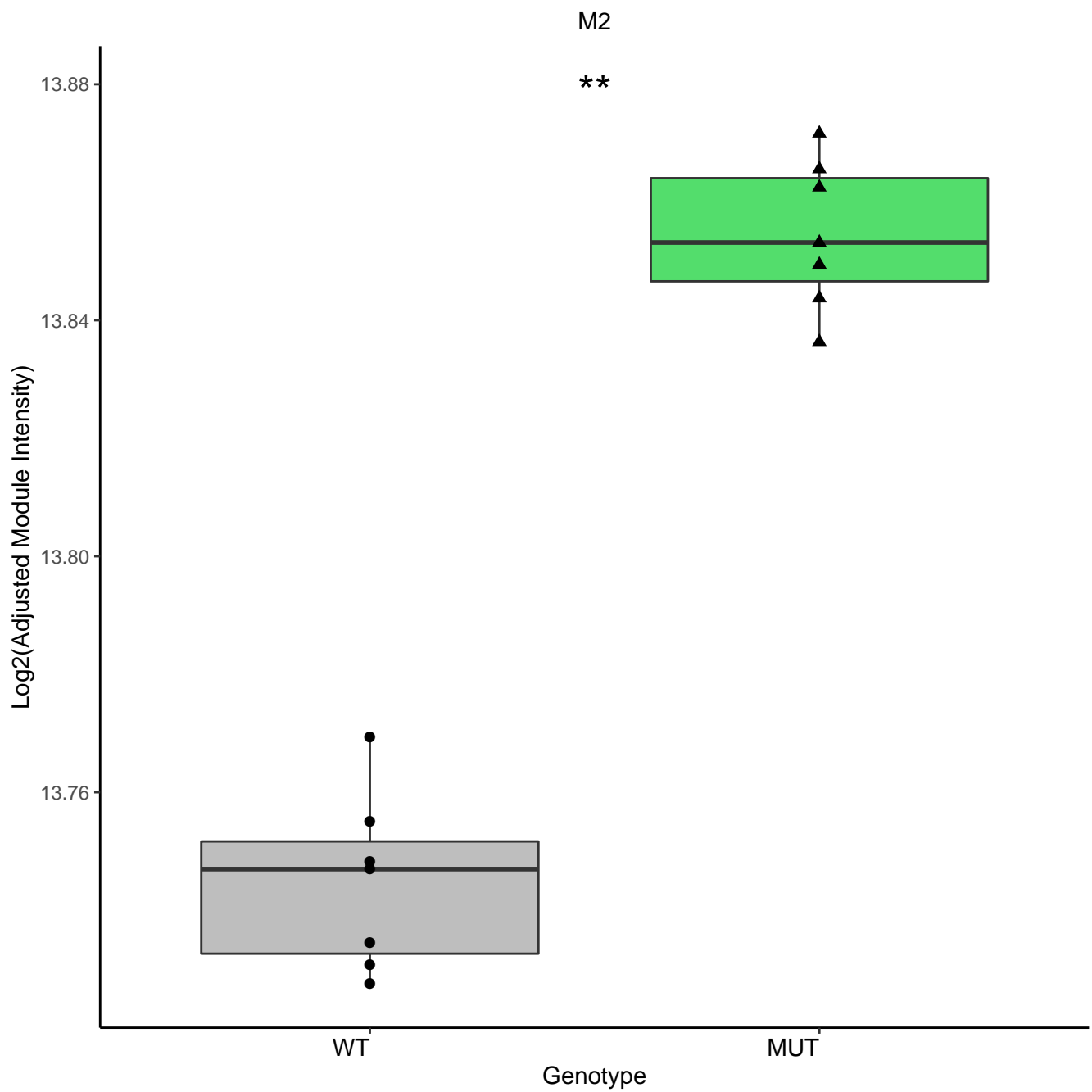
16.26

WT

Genotype

MUT





M3

Log2(Adjusted Module Intensity)

14.03

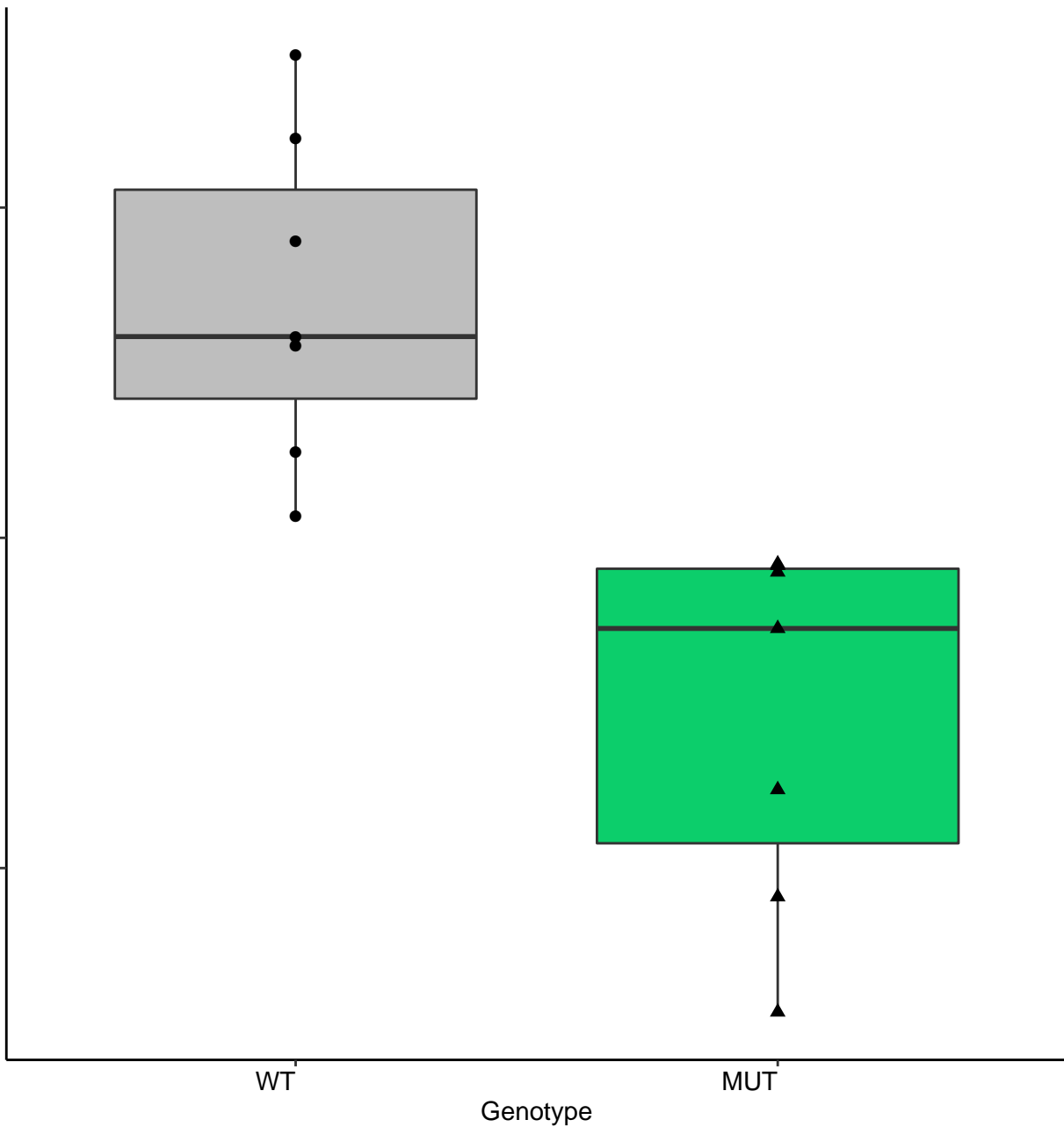
14.02

14.01

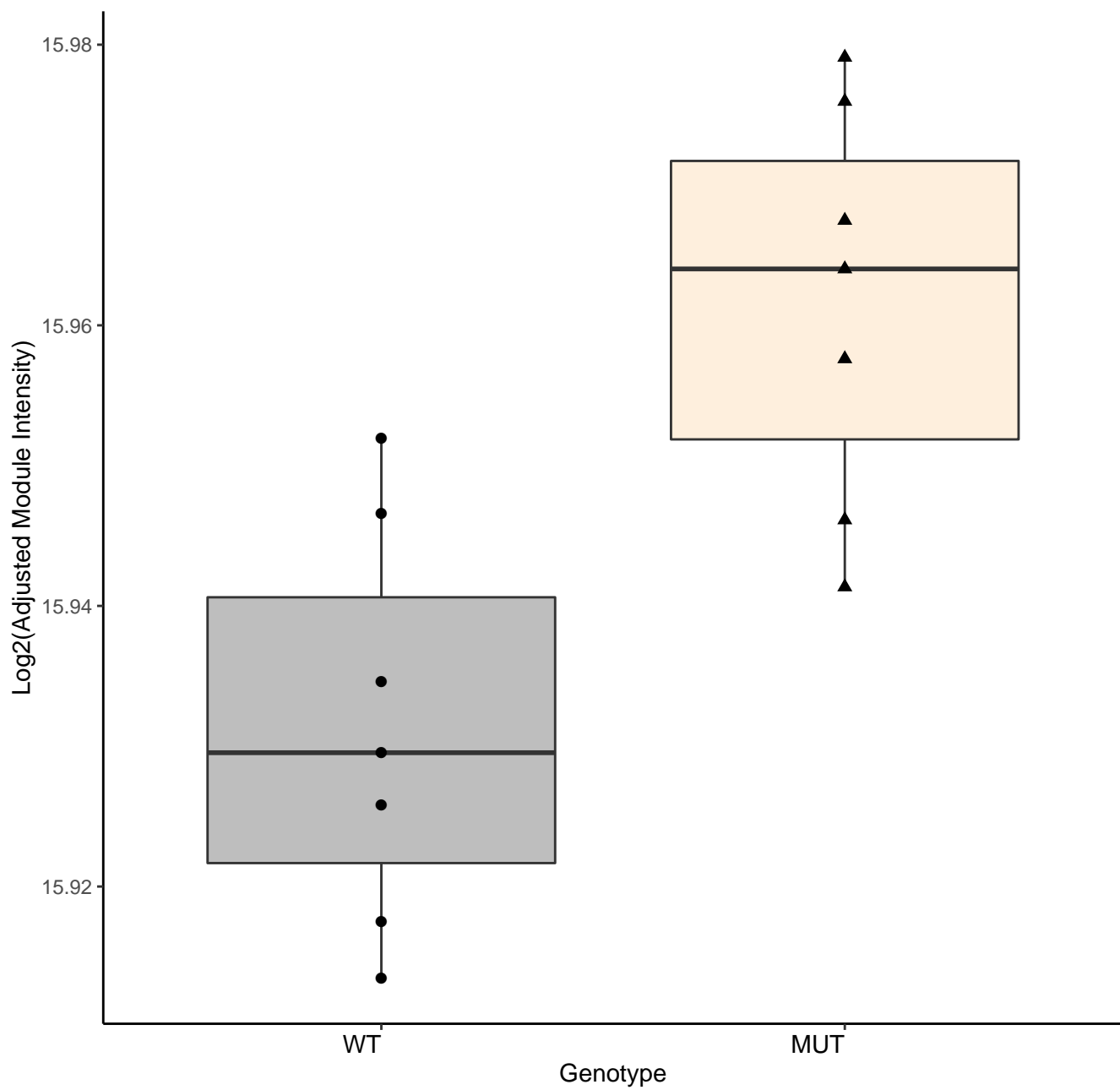
WT

Genotype

MUT



M4



M5

Log2(Adjusted Module Intensity)

13.72

13.71

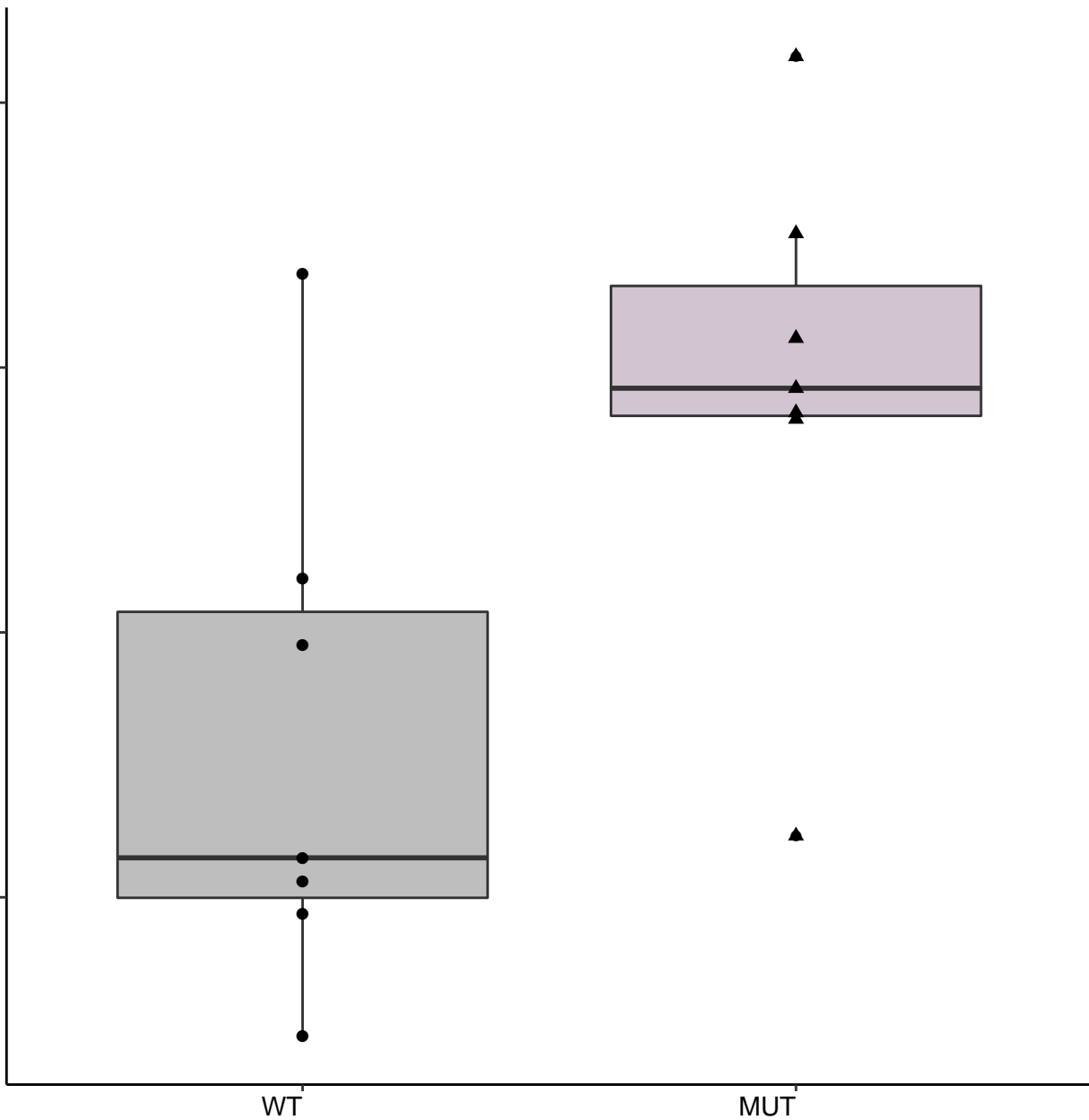
13.70

13.69

WT

Genotype

MUT



M6

Log2(Adjusted Module Intensity)

14.850

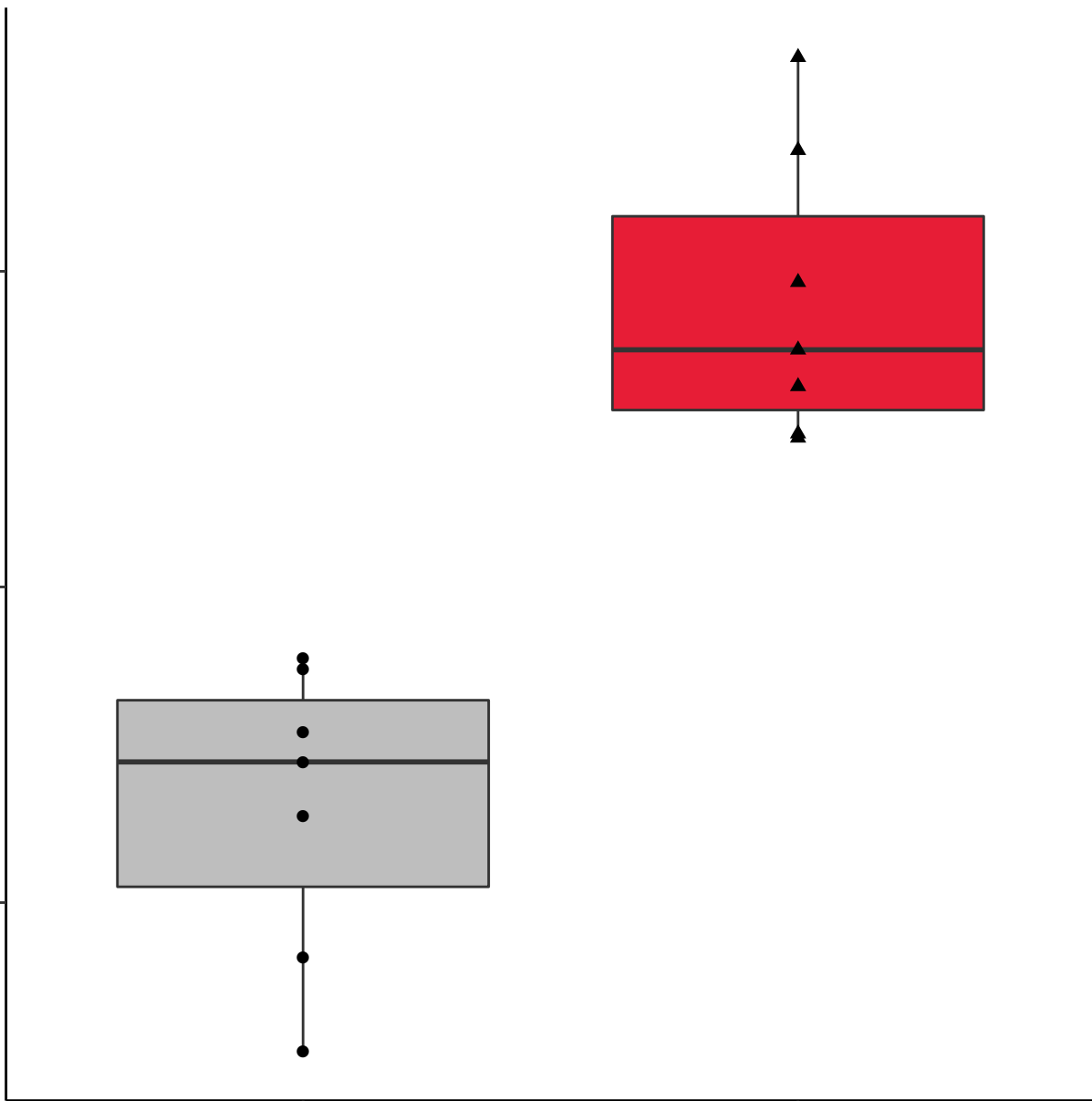
14.825

14.800

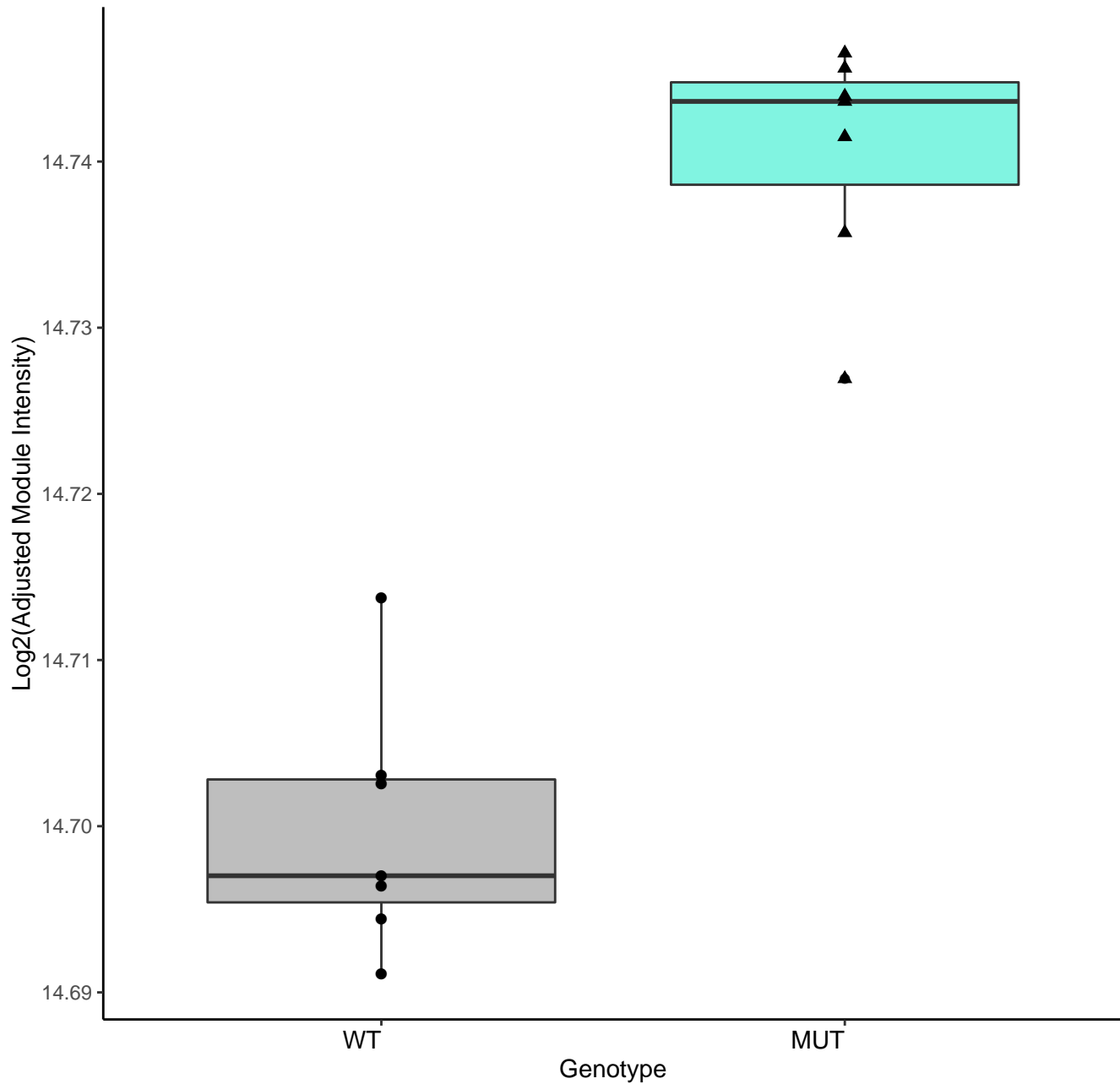
WT

MUT

Genotype



M7



M8

Log2(Adjusted Module Intensity)

13.22

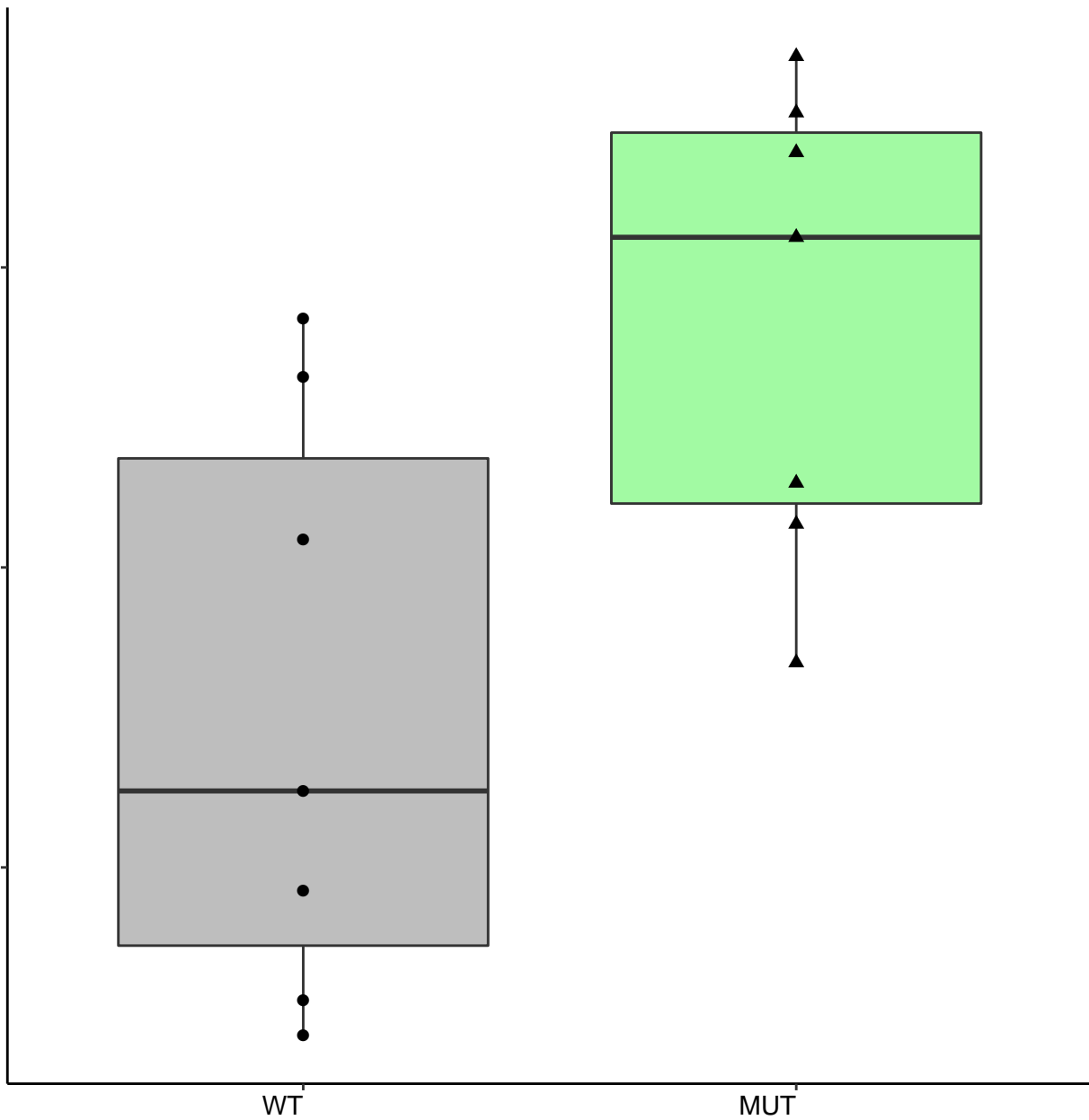
13.20

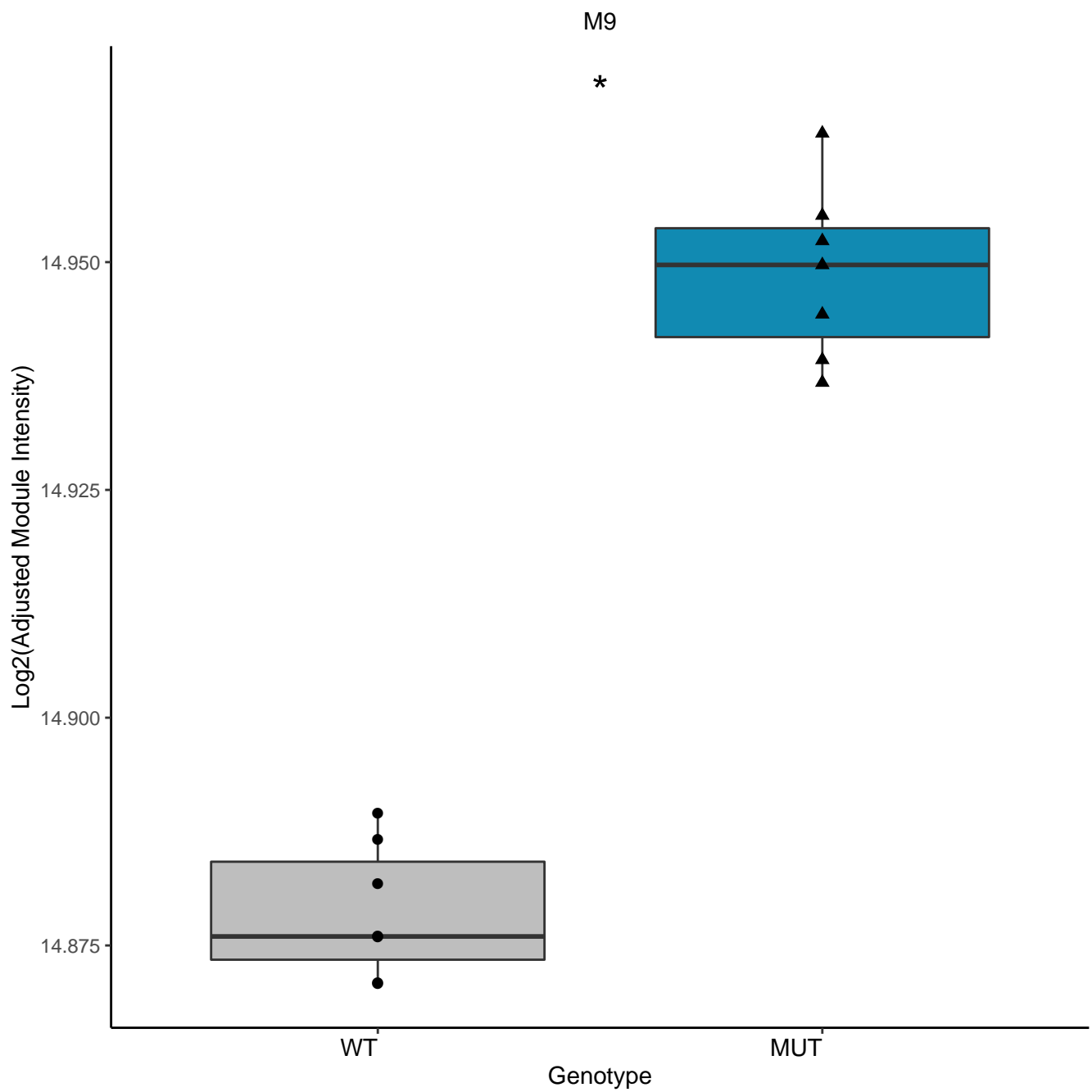
13.18

WT

Genotype

MUT





M10

Log2(Adjusted Module Intensity)

12.25

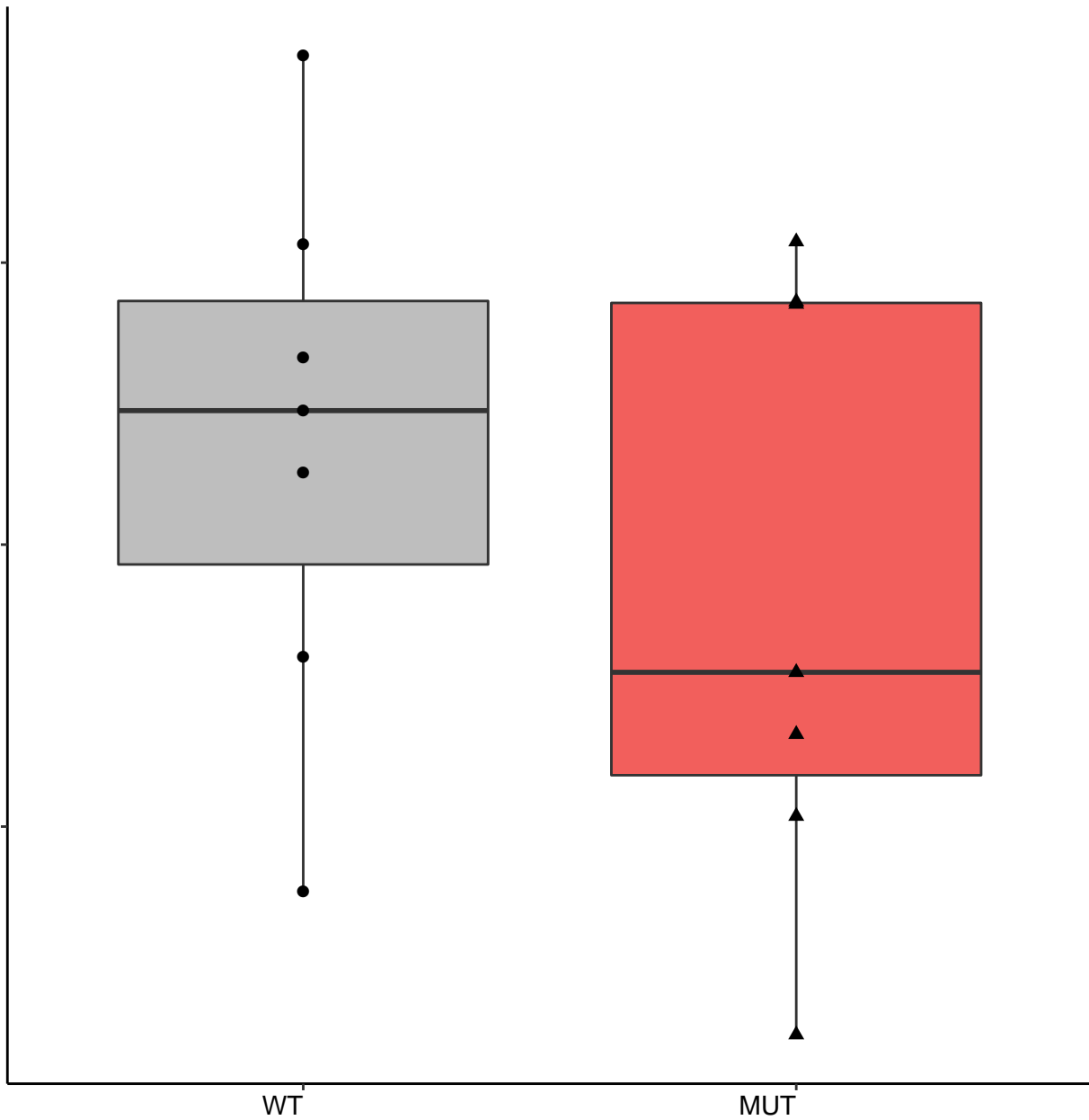
12.24

12.23

WT

Genotype

MUT



M11

Log2(Adjusted Module Intensity)

16.22

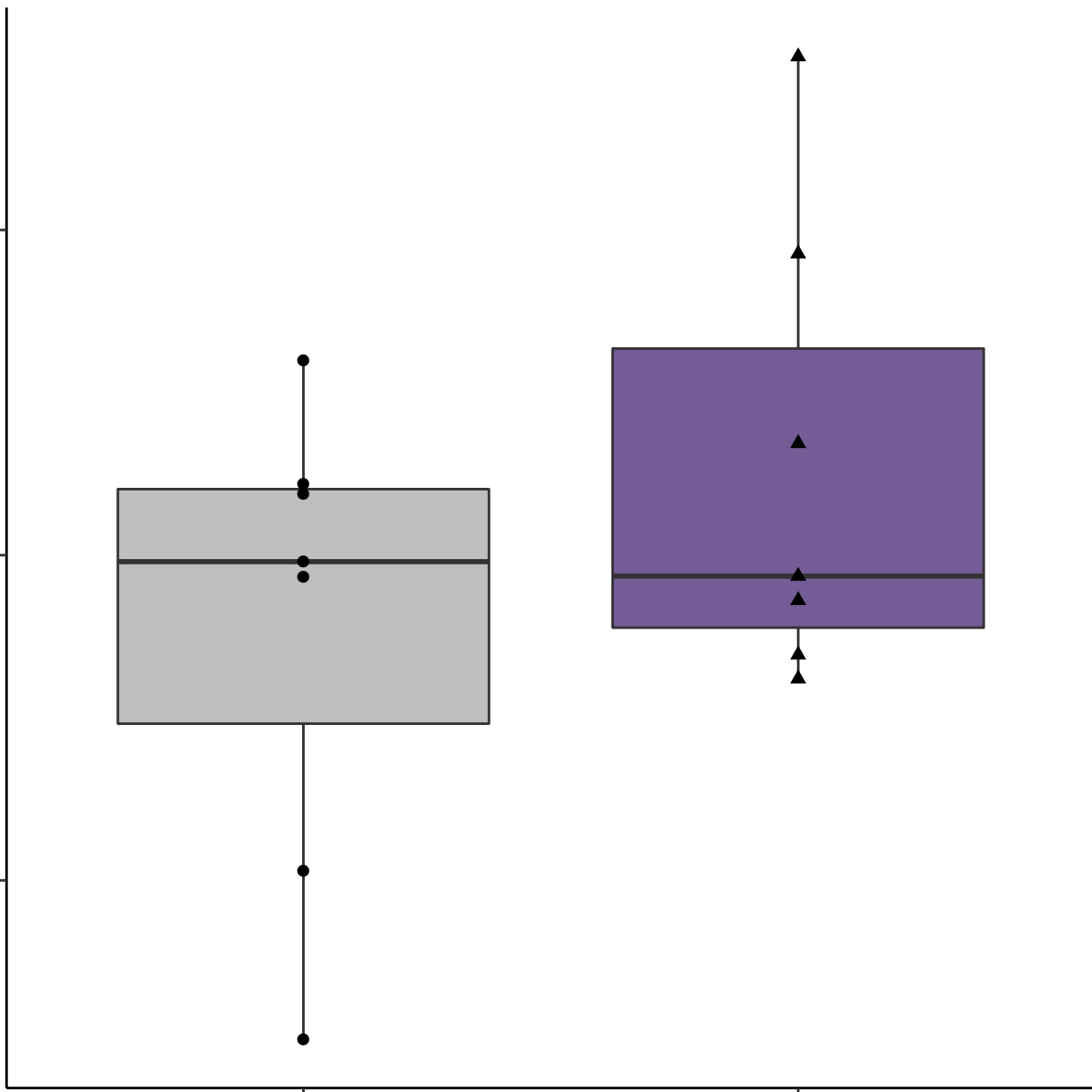
16.20

16.18

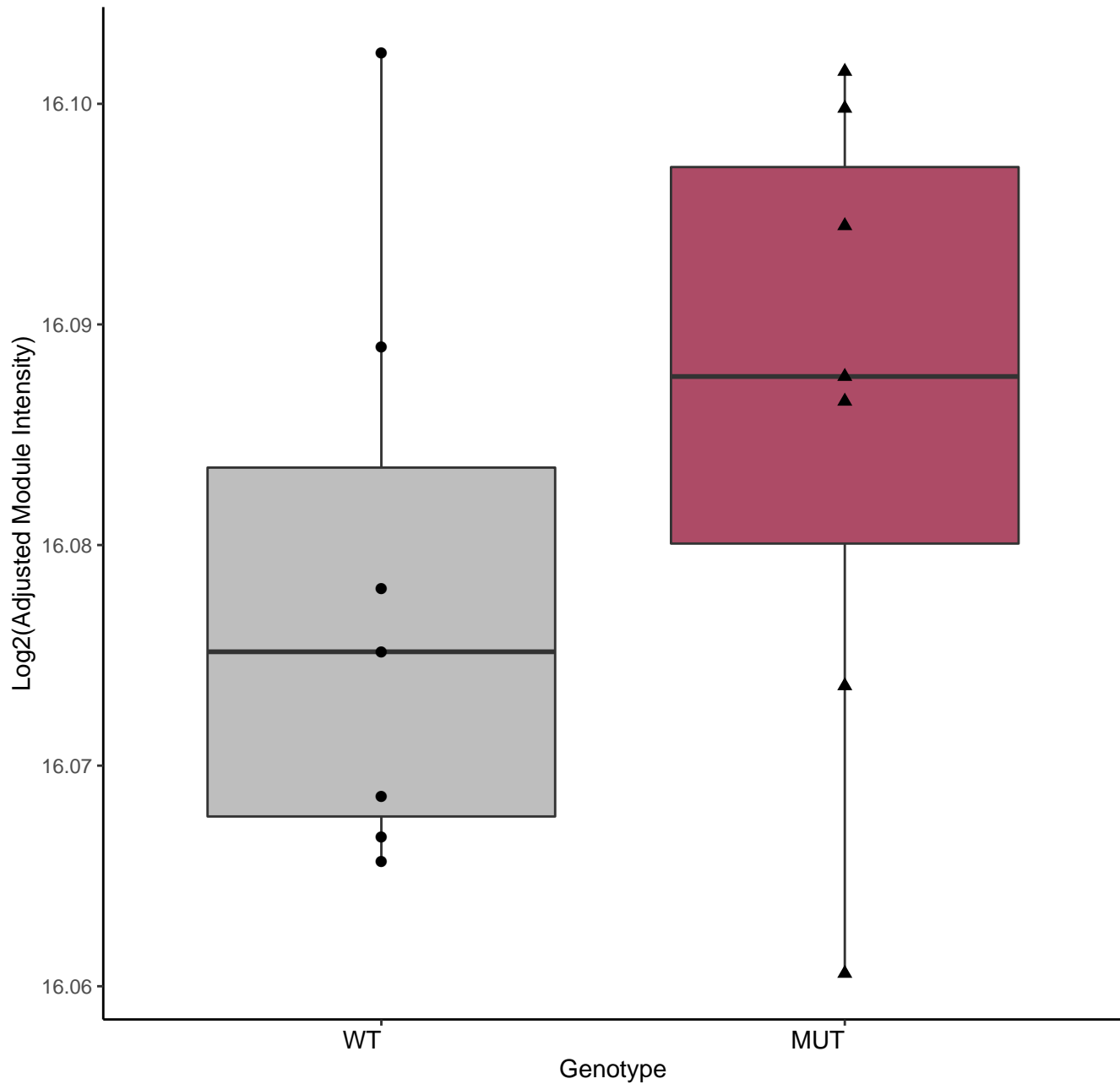
WT

Genotype

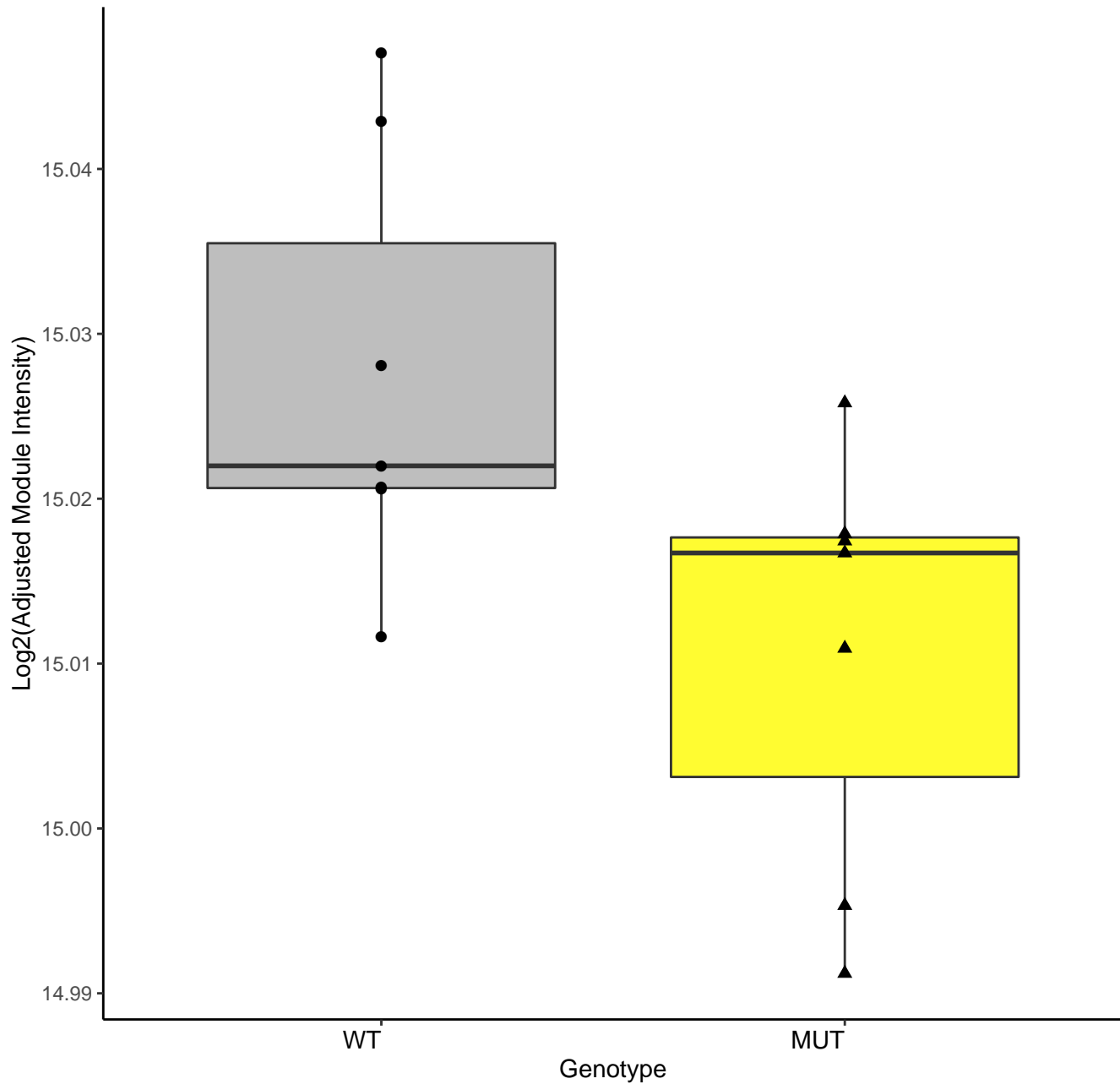
MUT

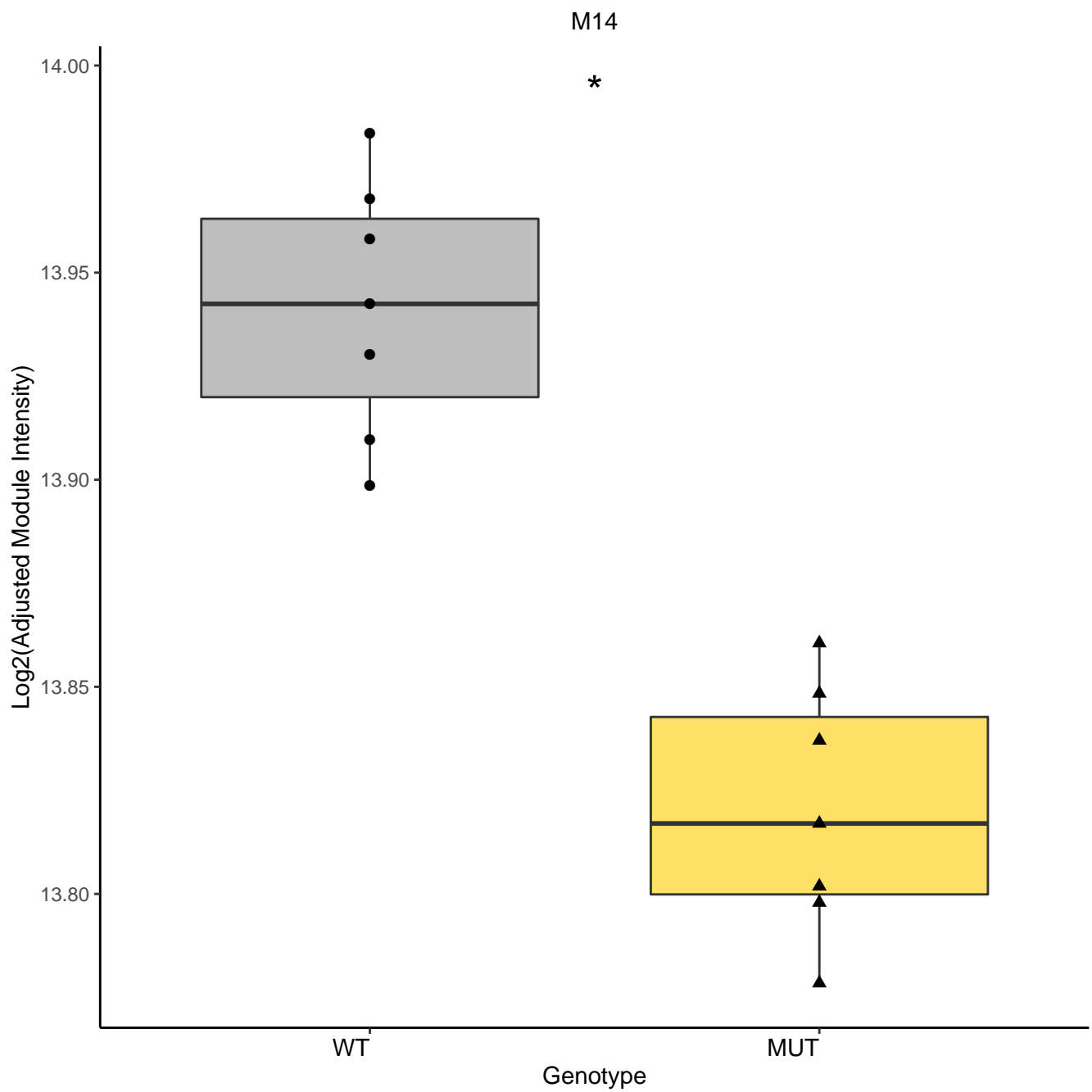


M12



M13





M15

Log2(Adjusted Module Intensity)

13.22

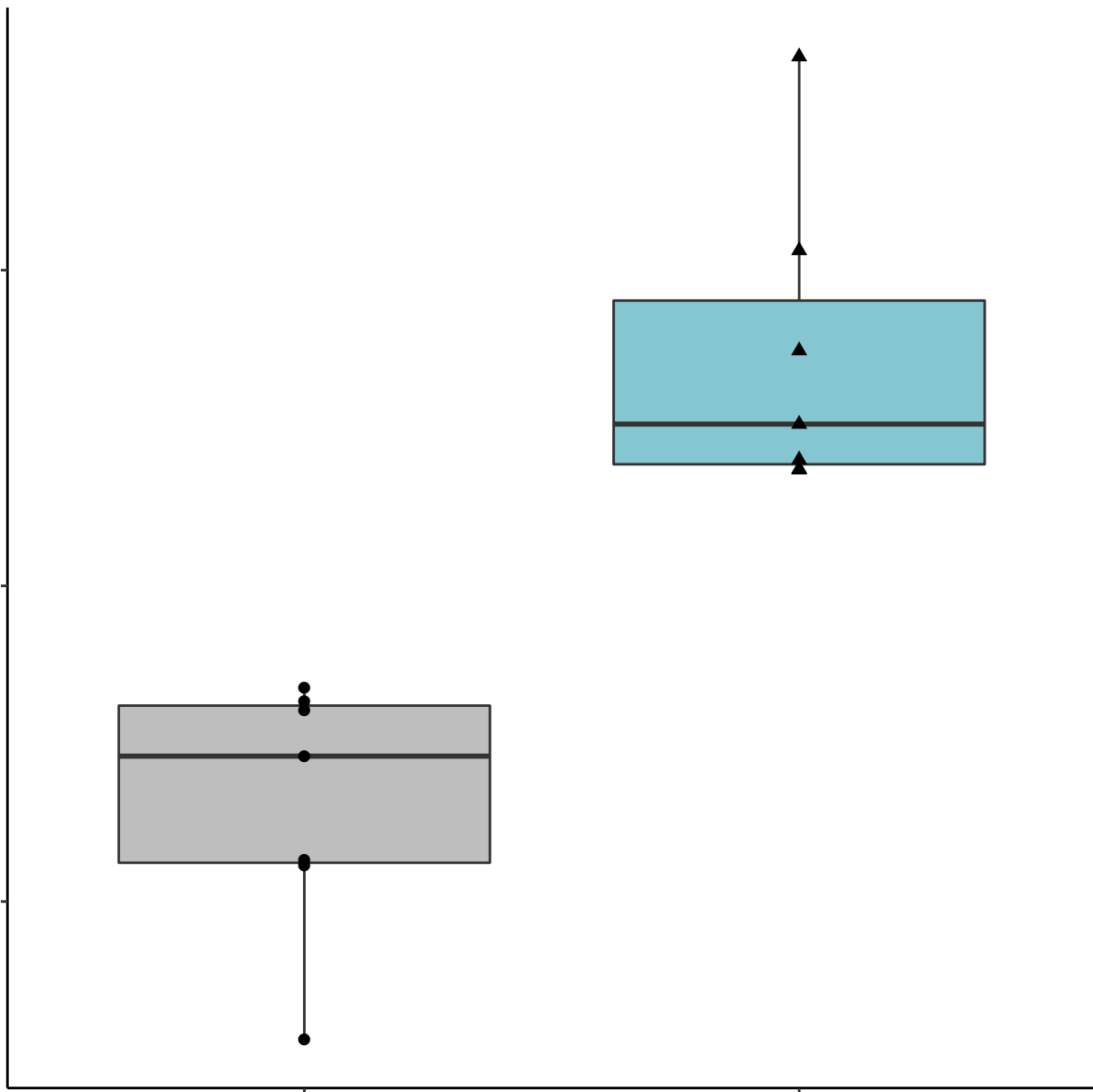
13.20

13.18

WT

MUT

Genotype



M16

Log2(Adjusted Module Intensity)

12.325

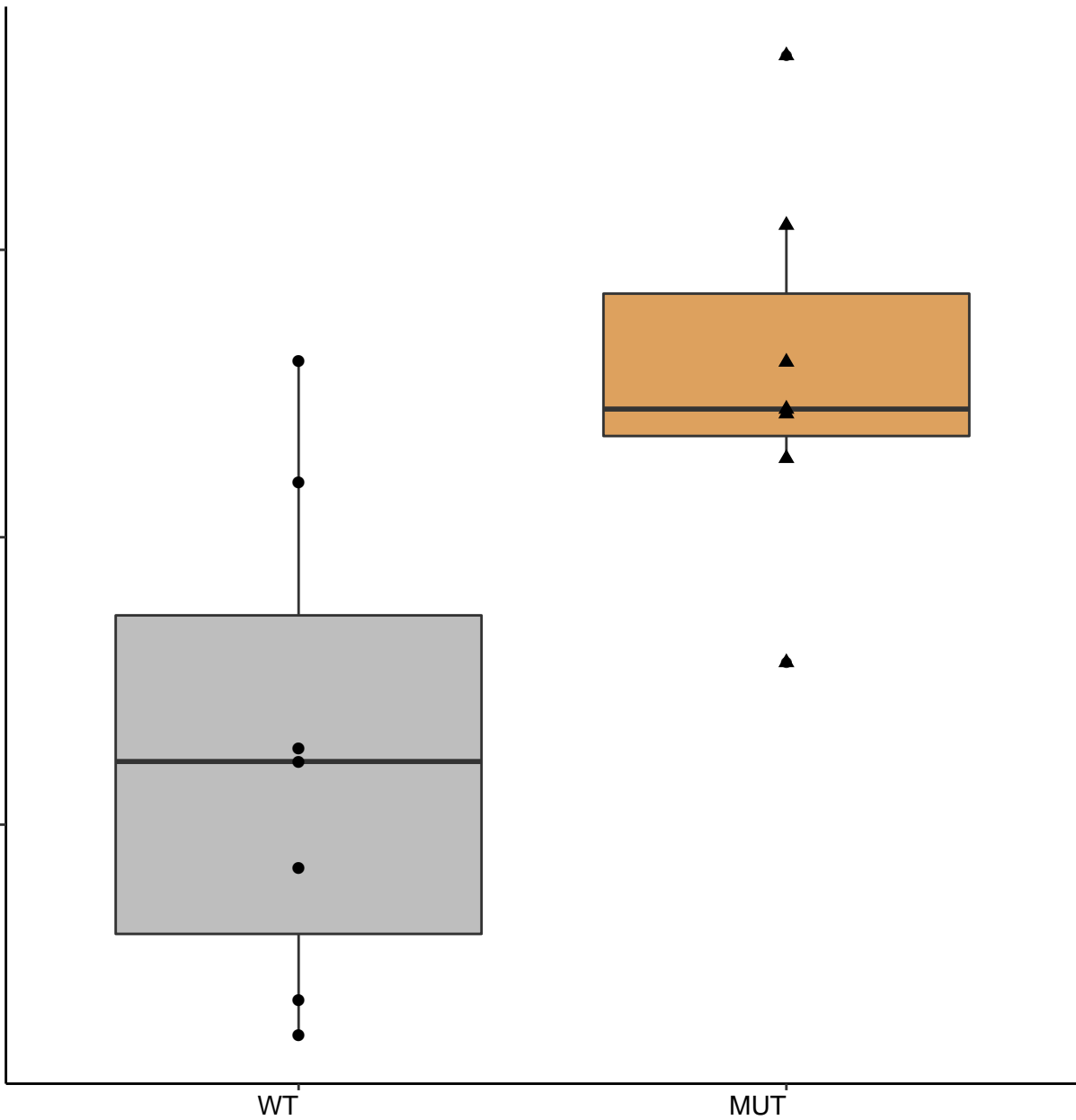
12.300

12.275

WT

Genotype

MUT



M17

Log2(Adjusted Module Intensity)

15.14

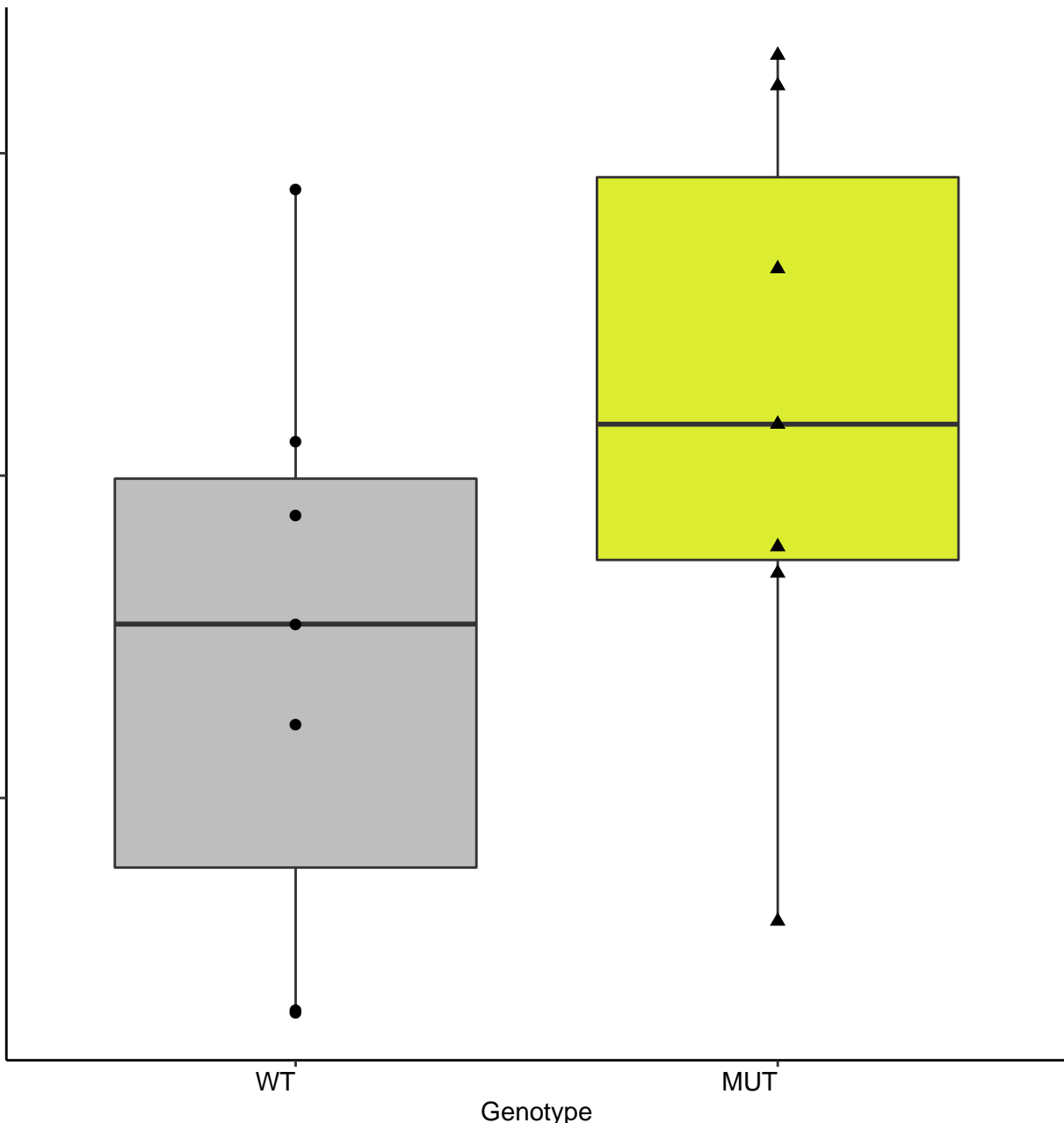
15.12

15.10

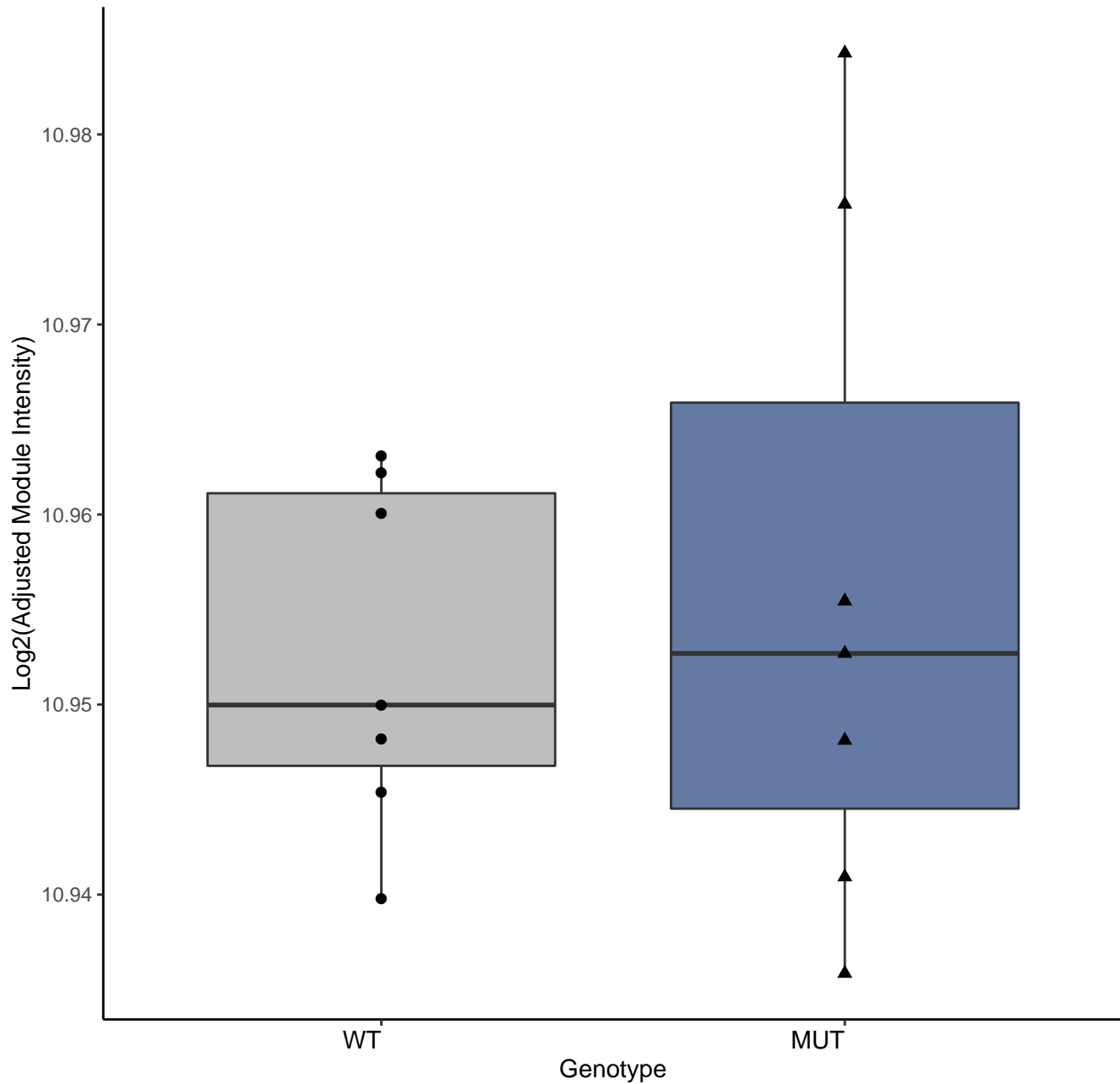
WT

Genotype

MUT



M18



M19

**

Log2(Adjusted Module Intensity)

13.2

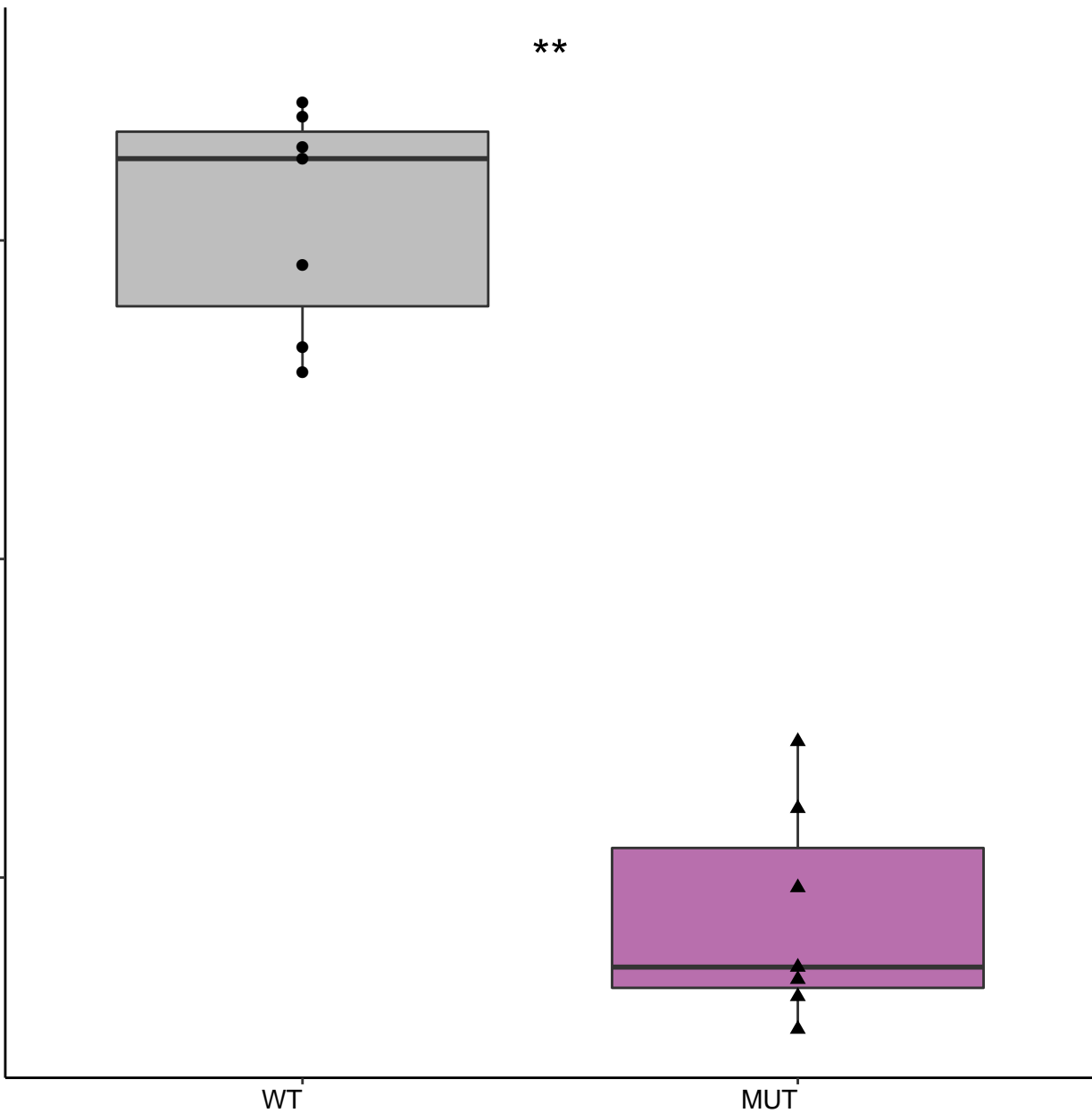
13.1

13.0

WT

MUT

Genotype



M20

Log2(Adjusted Module Intensity)

14.45

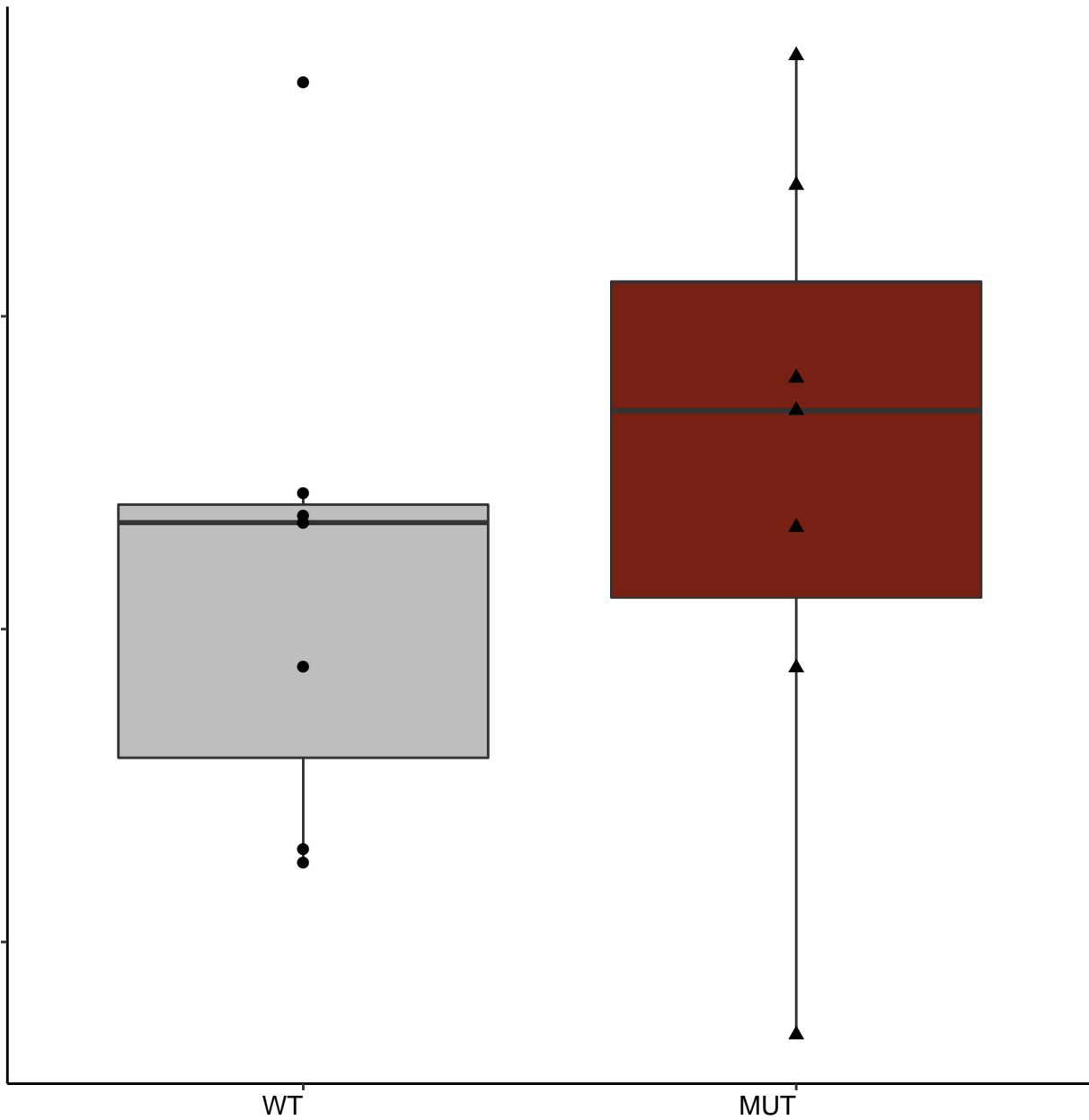
14.44

14.43

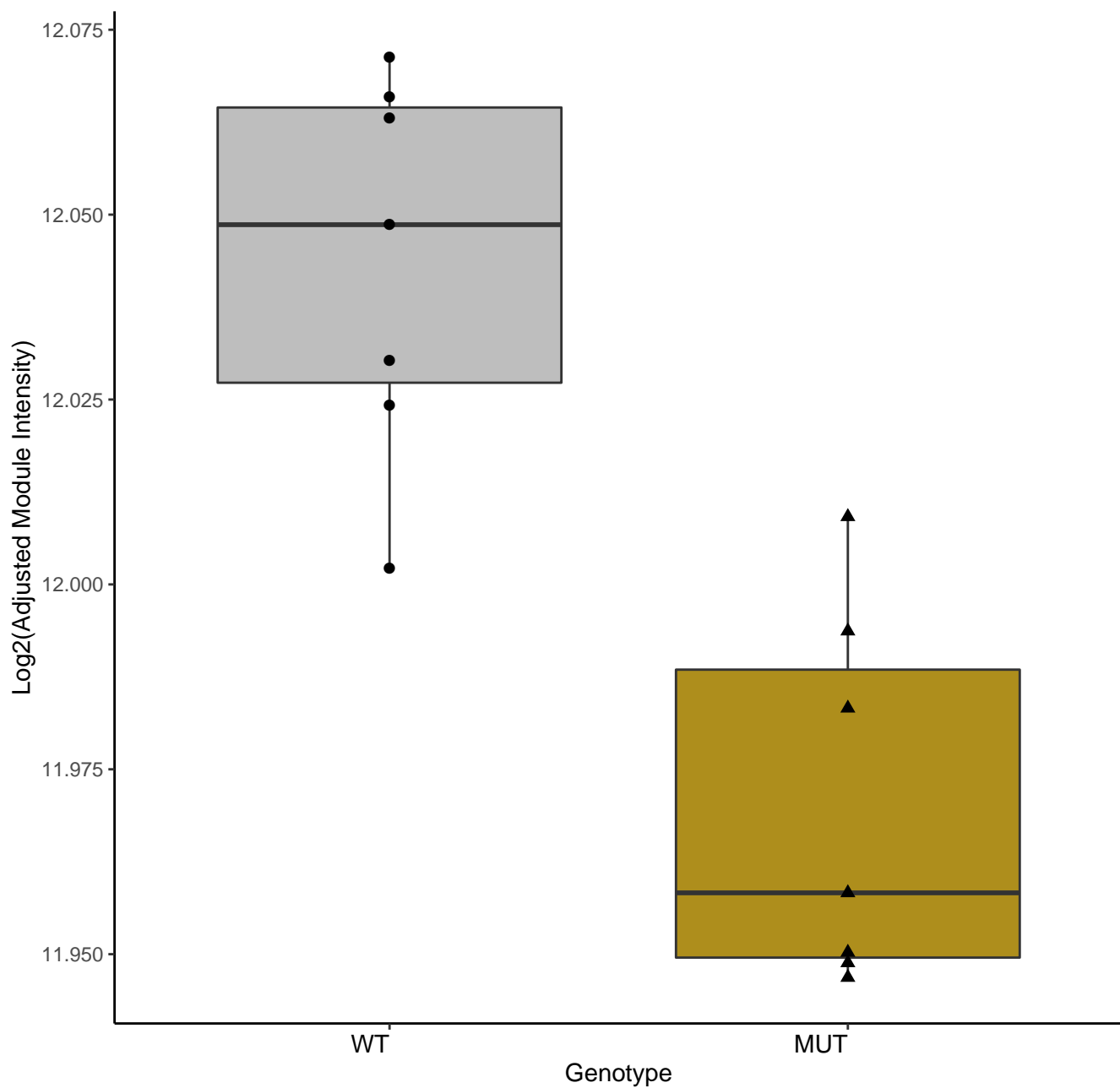
WT

Genotype

MUT



M21



M22

Log2(Adjusted Module Intensity)

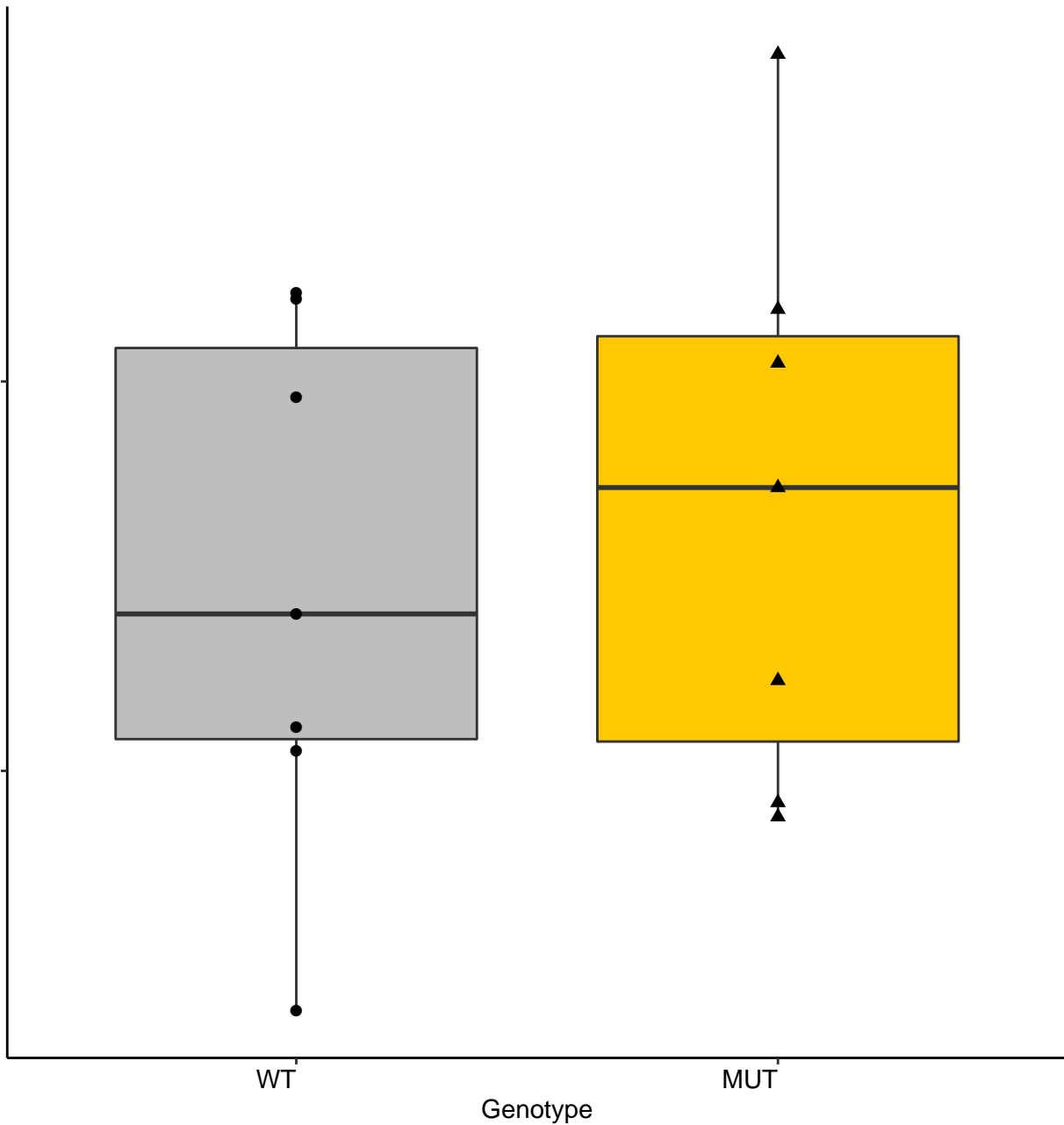
12.50

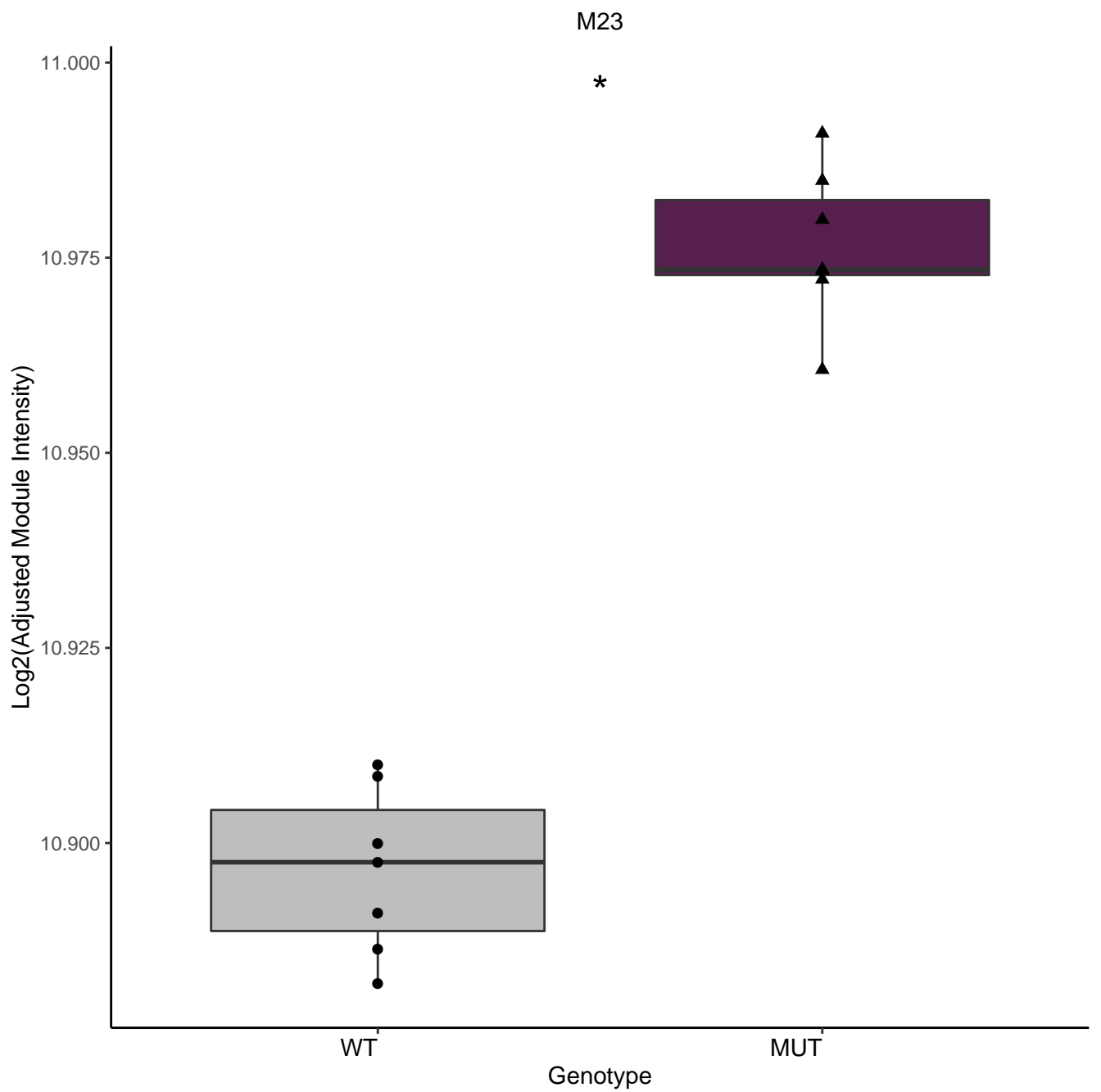
12.45

WT

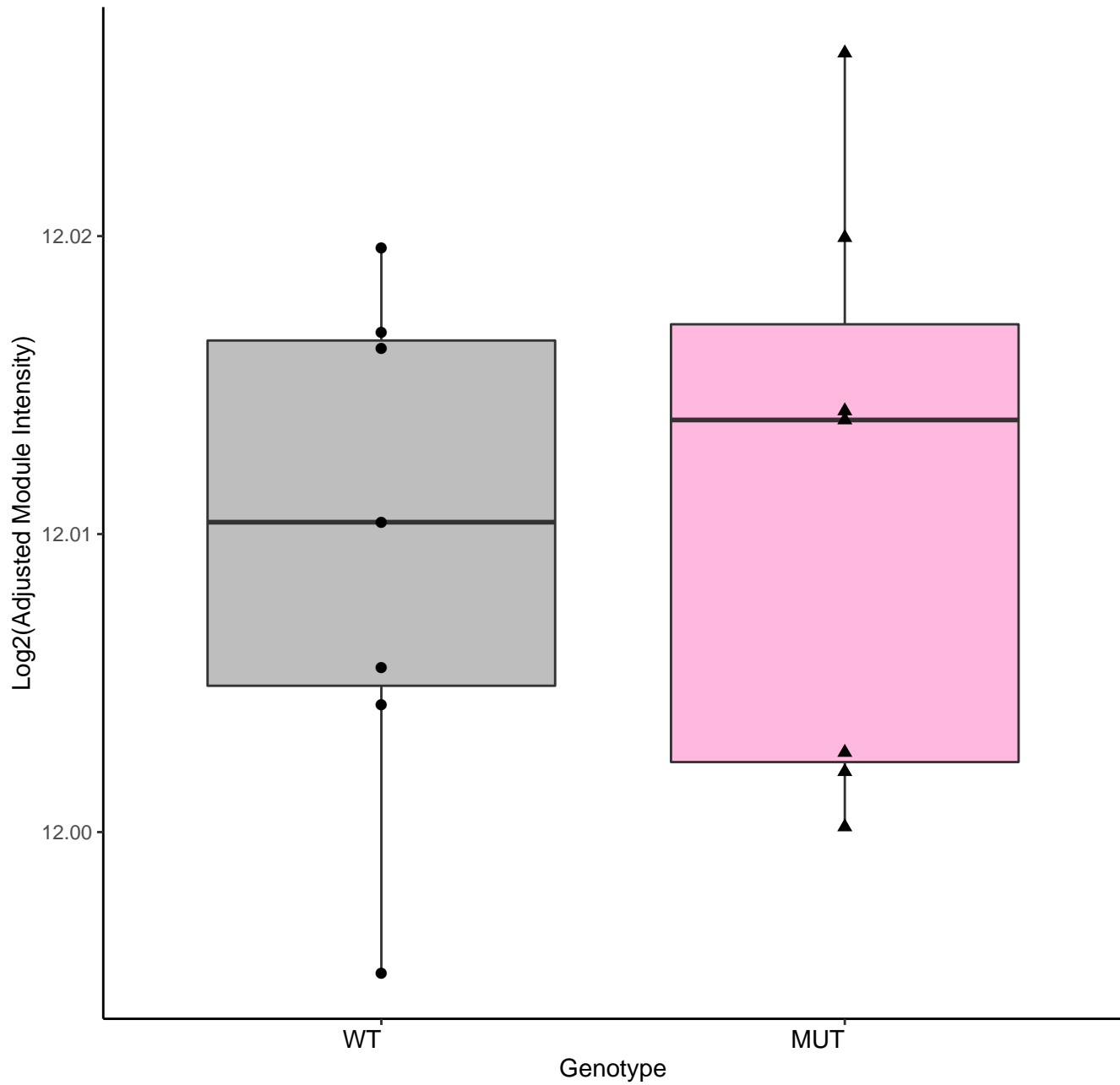
Genotype

MUT





M24



M25

Log2(Adjusted Module Intensity)

13.06

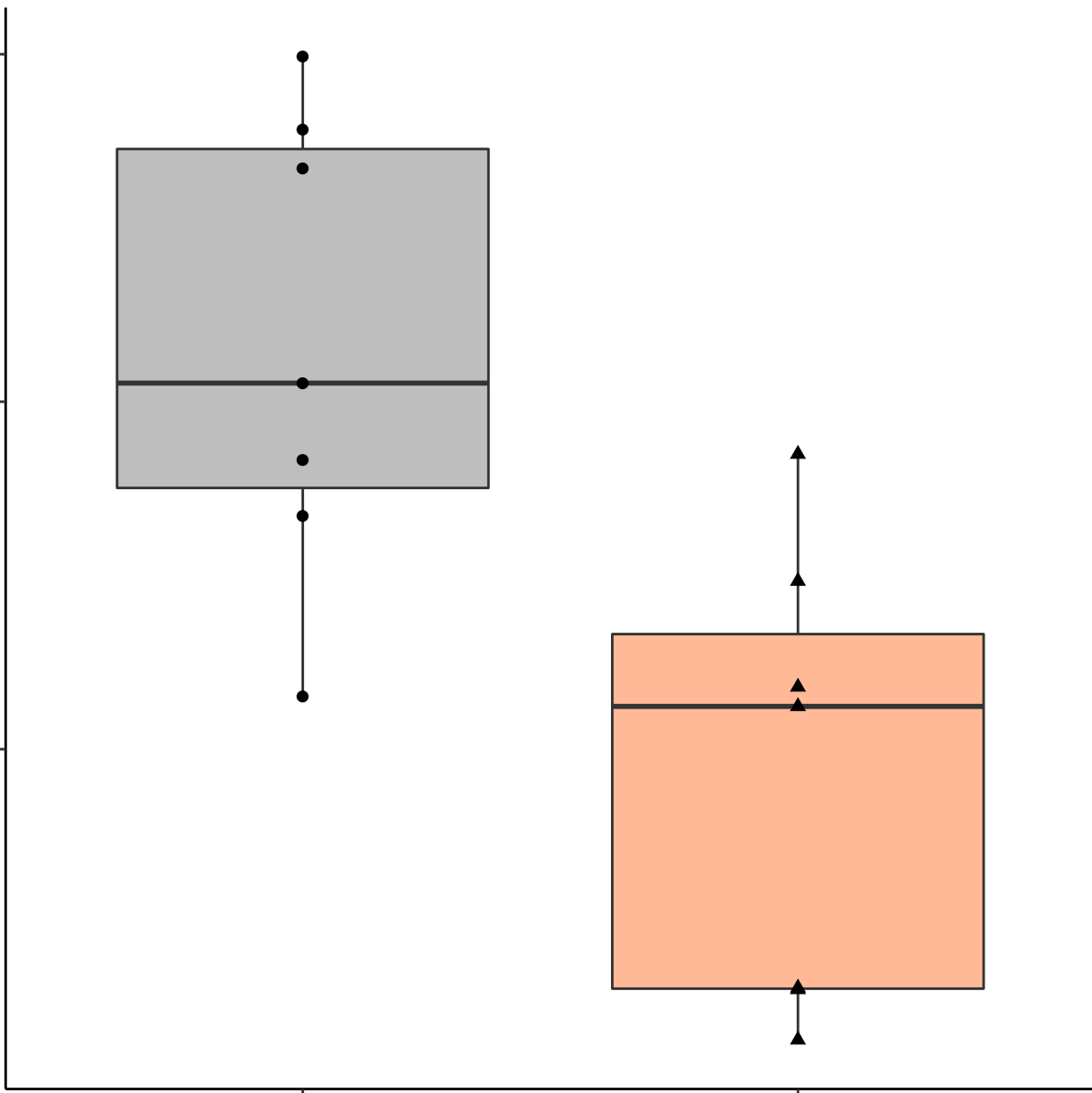
13.04

13.02

WT

Genotype

MUT



M26

Log2(Adjusted Module Intensity)

11.51

11.50

11.49

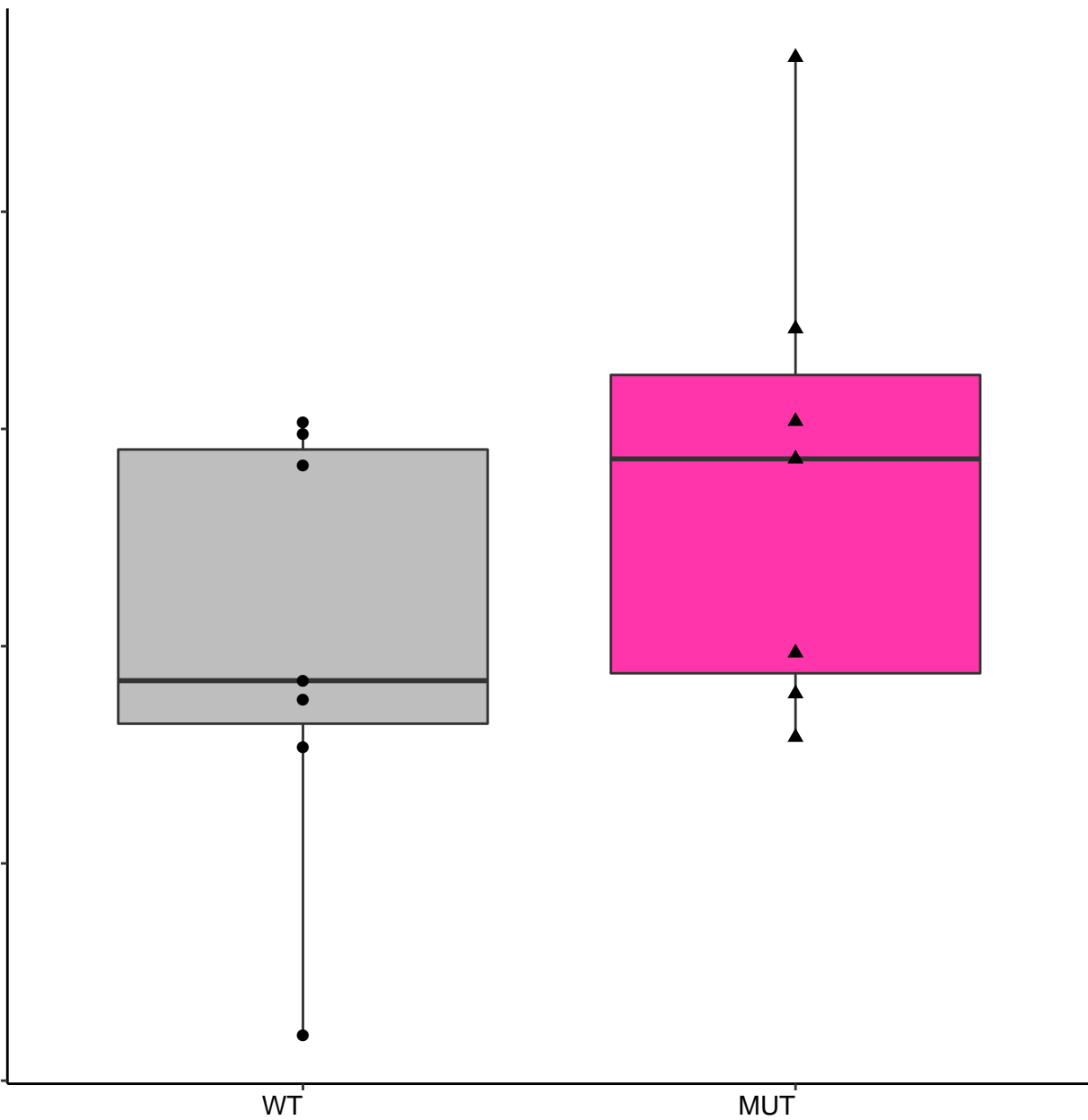
11.48

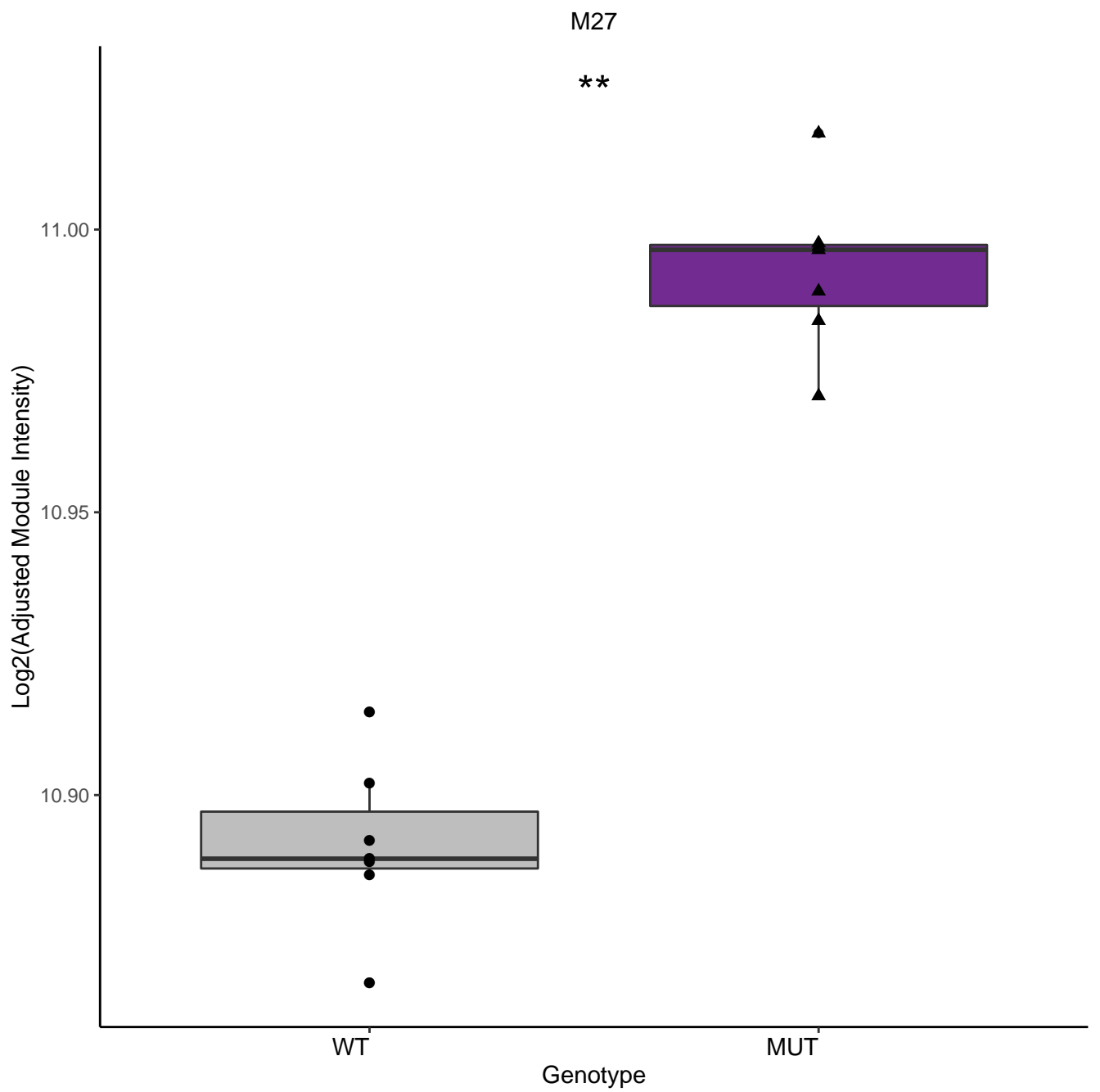
11.47

WT

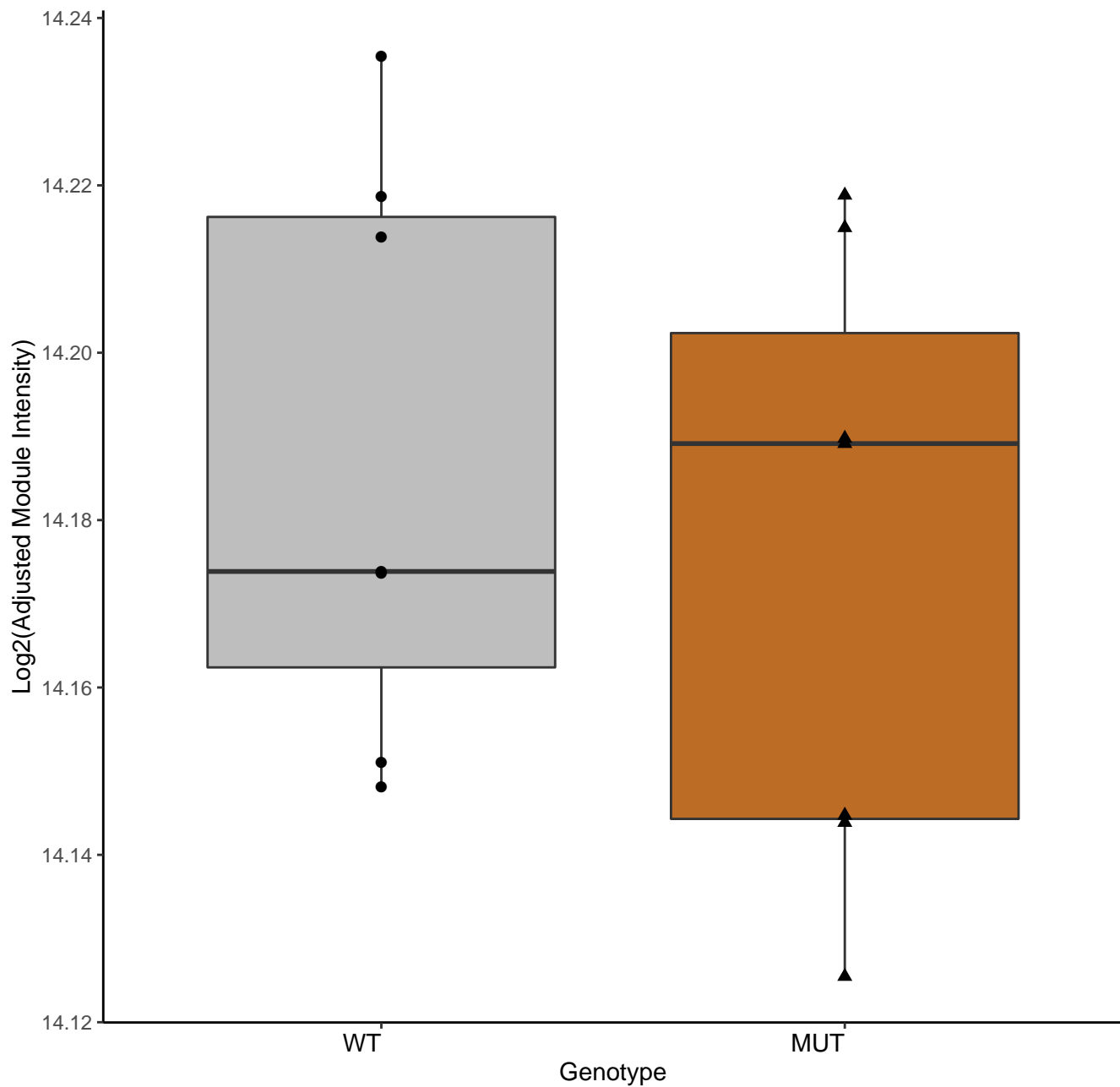
Genotype

MUT

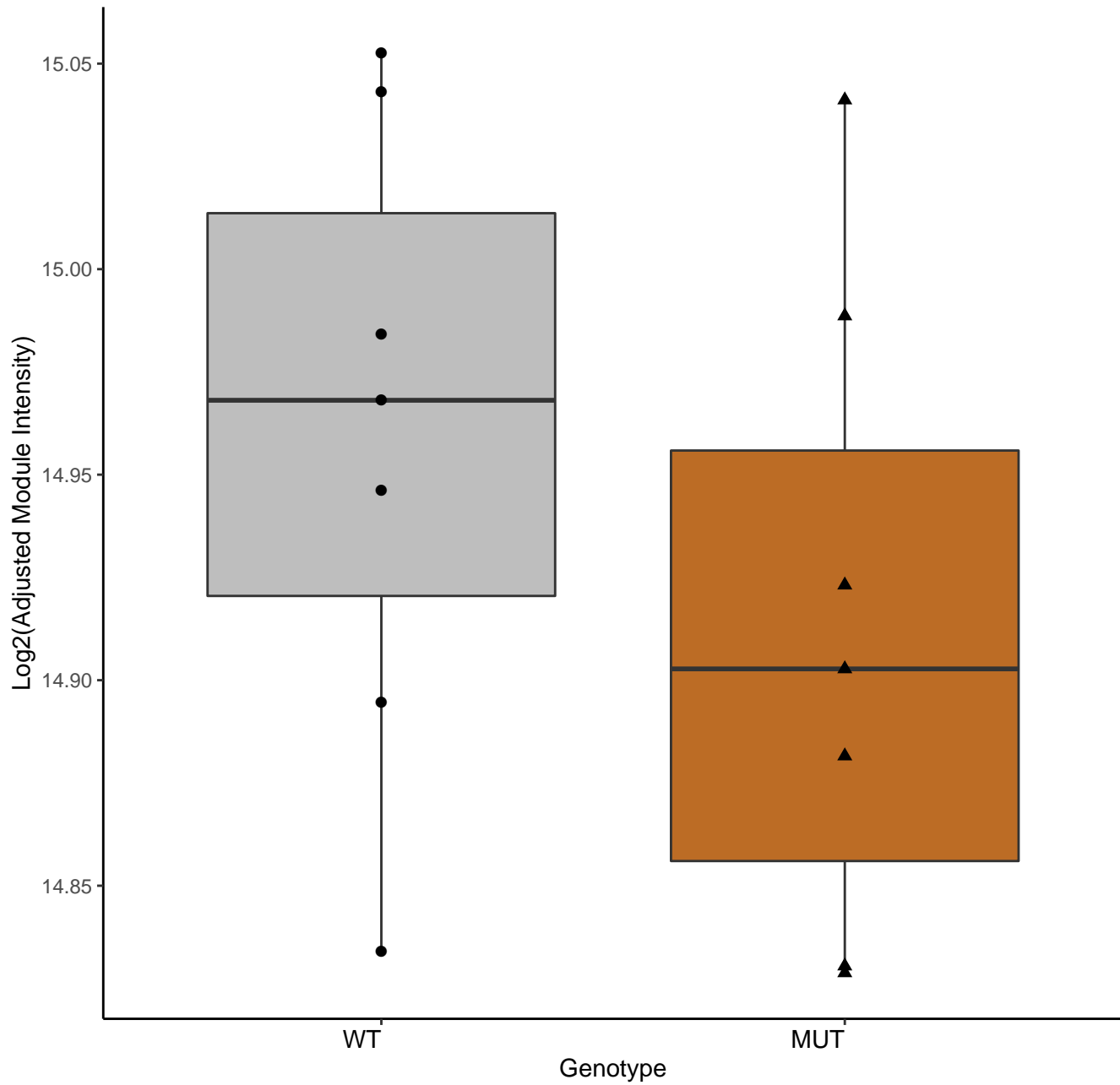




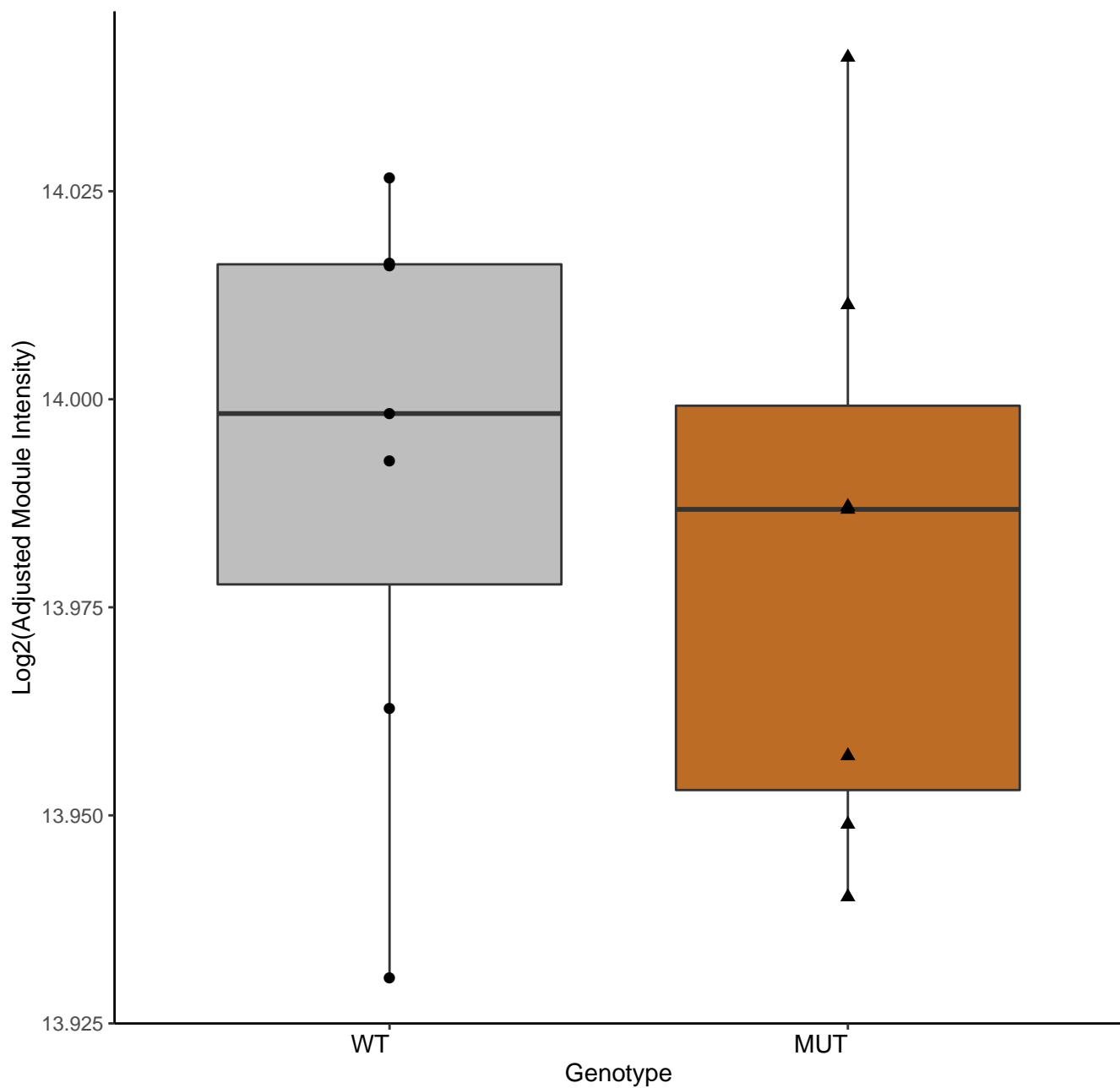
M28



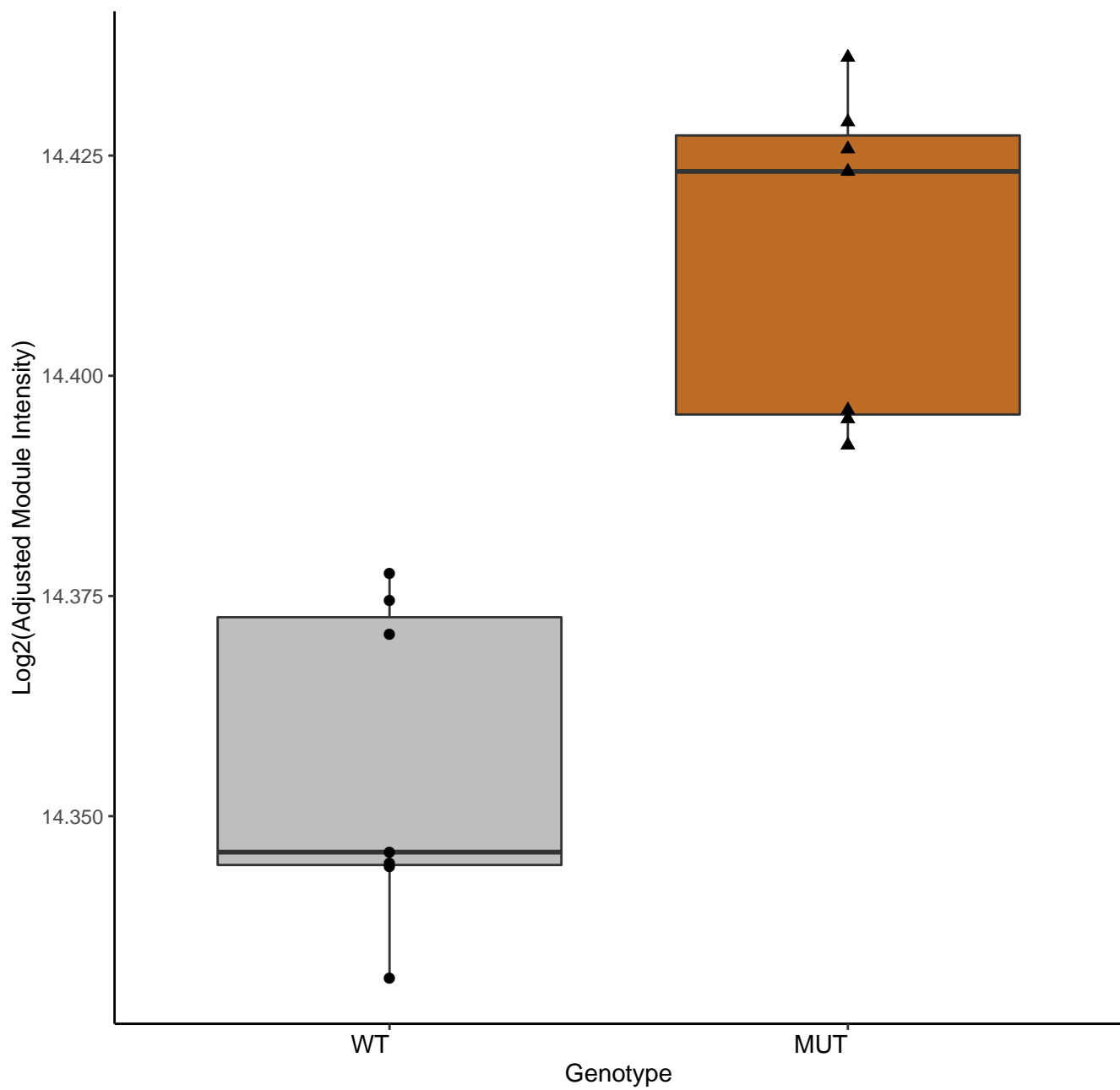
M29



M30



M31



M32

Log2(Adjusted Module Intensity)

12.45

12.40

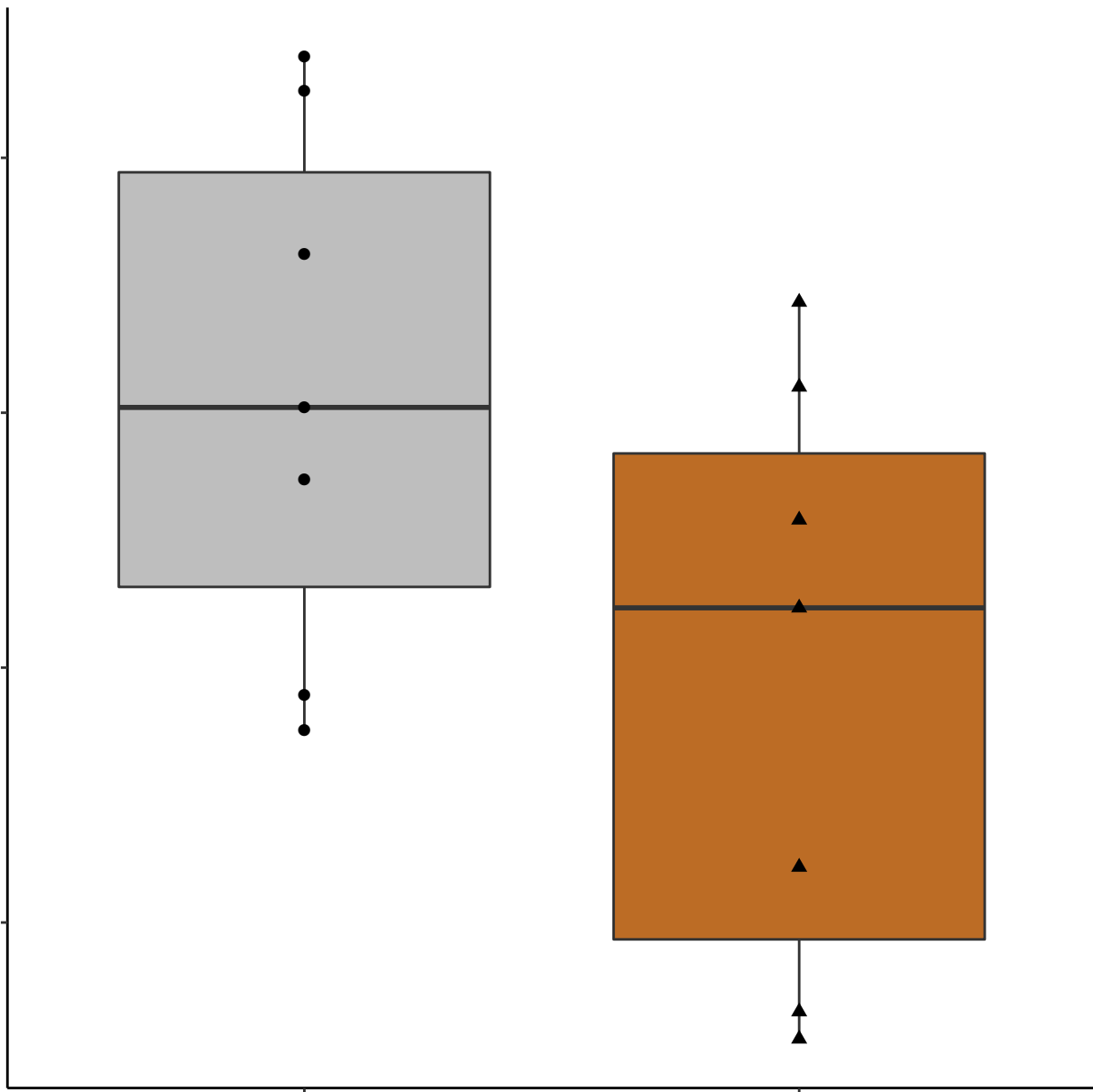
12.35

12.30

WT

Genotype

MUT



M33

Log2(Adjusted Module Intensity)

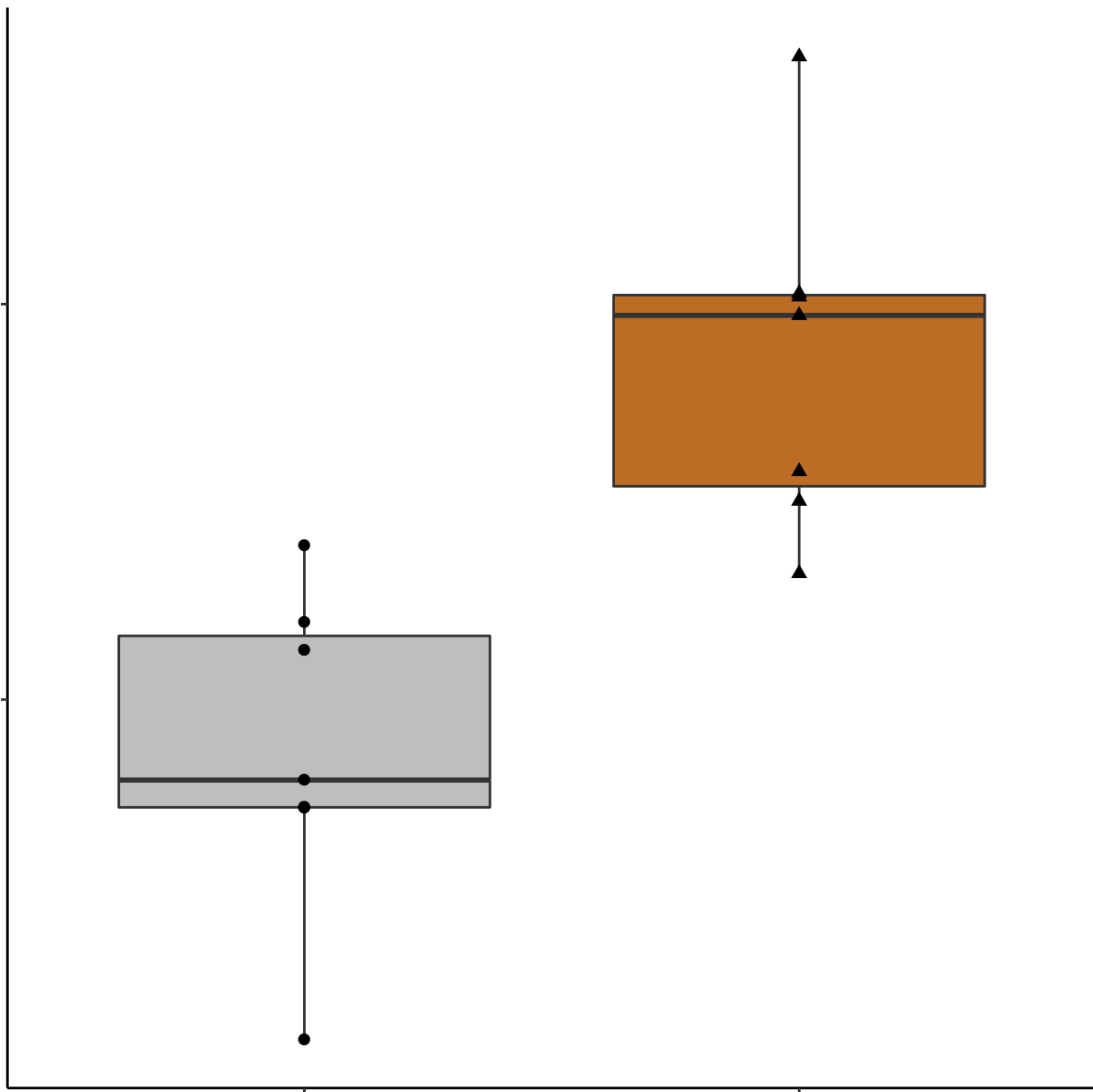
14.45

14.40

WT

MUT

Genotype



M34

Log2(Adjusted Module Intensity)

12.00

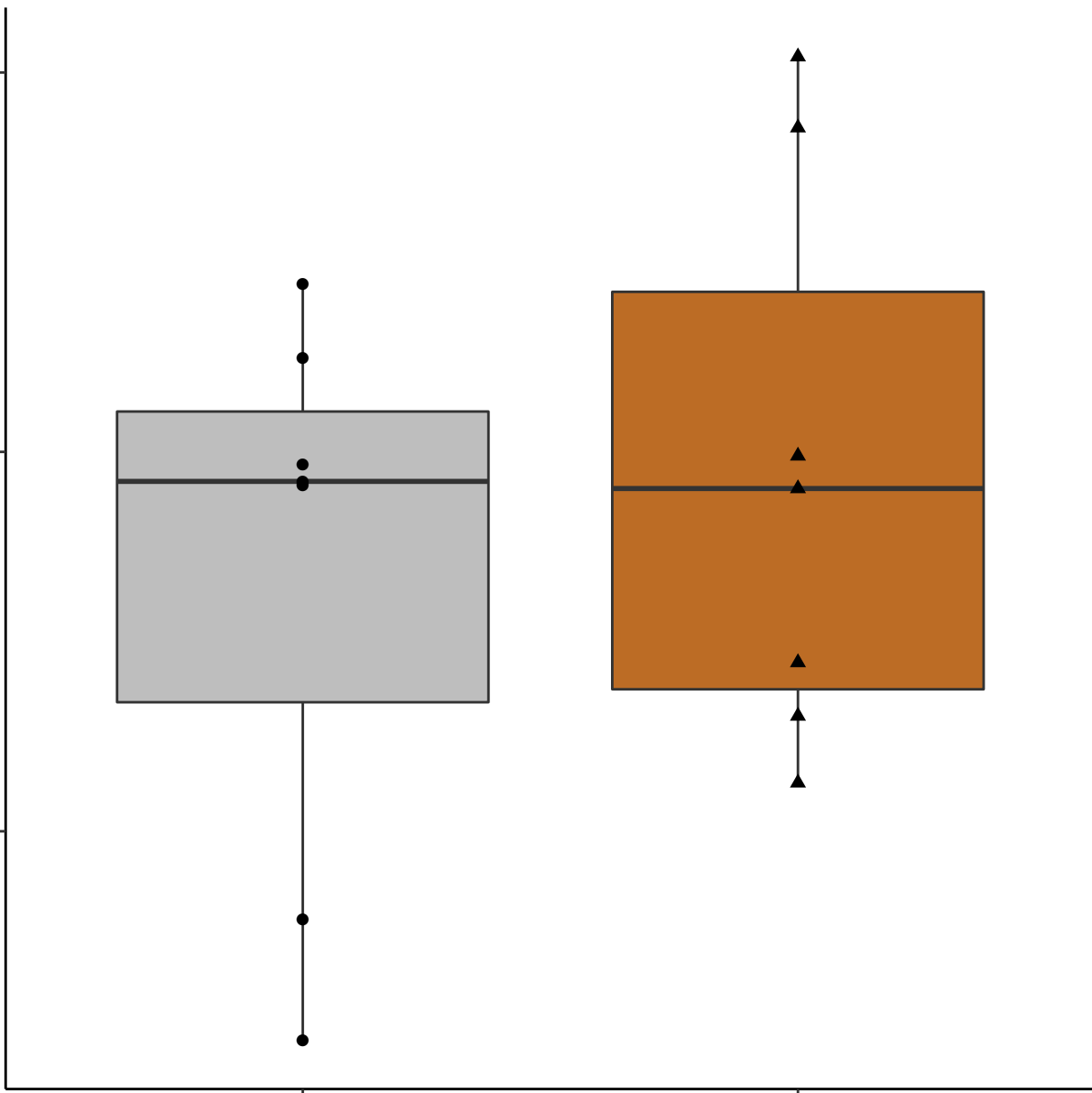
11.95

11.90

WT

Genotype

MUT



M35

Log2(Adjusted Module Intensity)

12.34

12.30

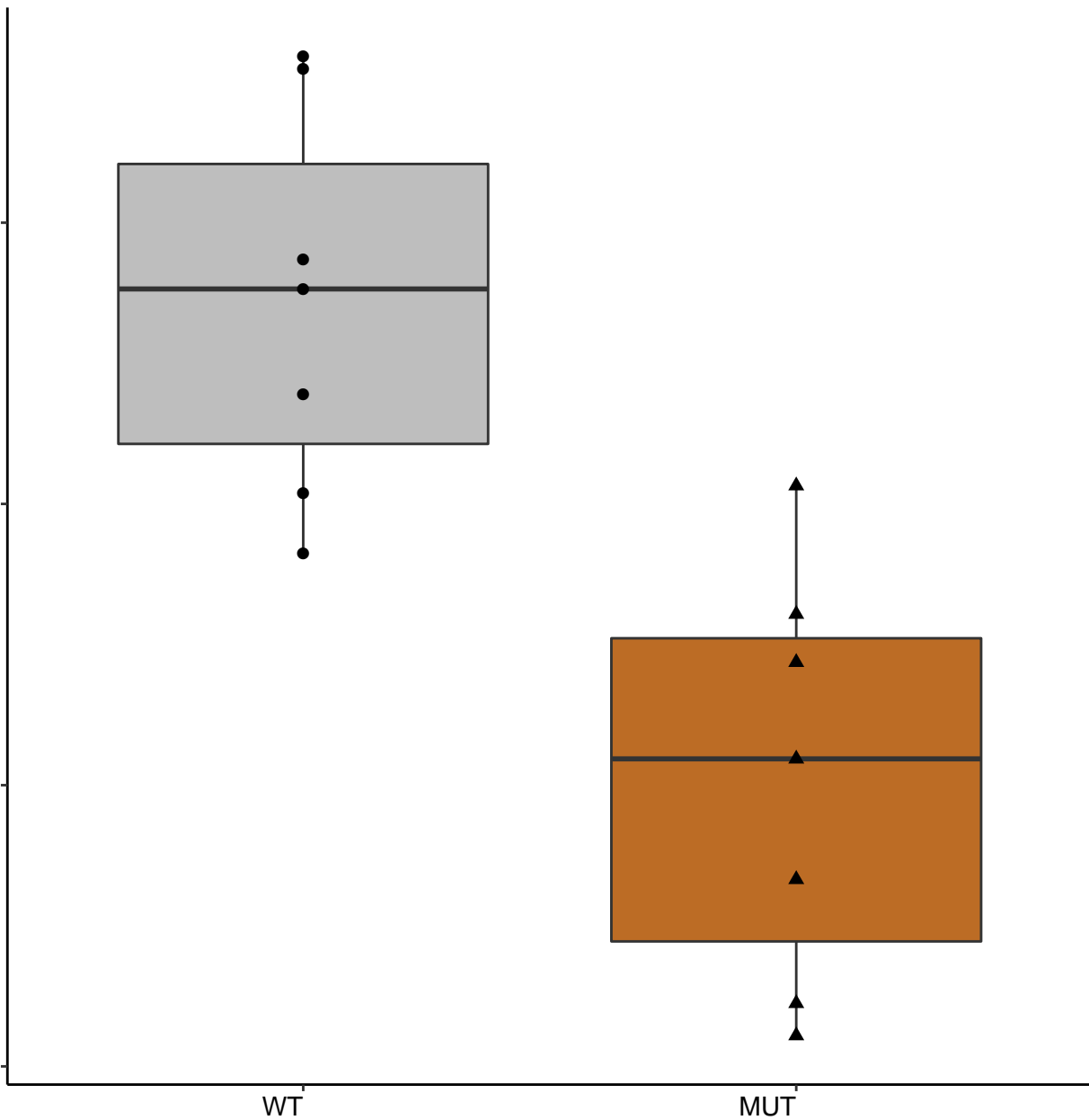
12.26

12.22

WT

Genotype

MUT



M36

**

Log2(Adjusted Module Intensity)

14.20

14.16

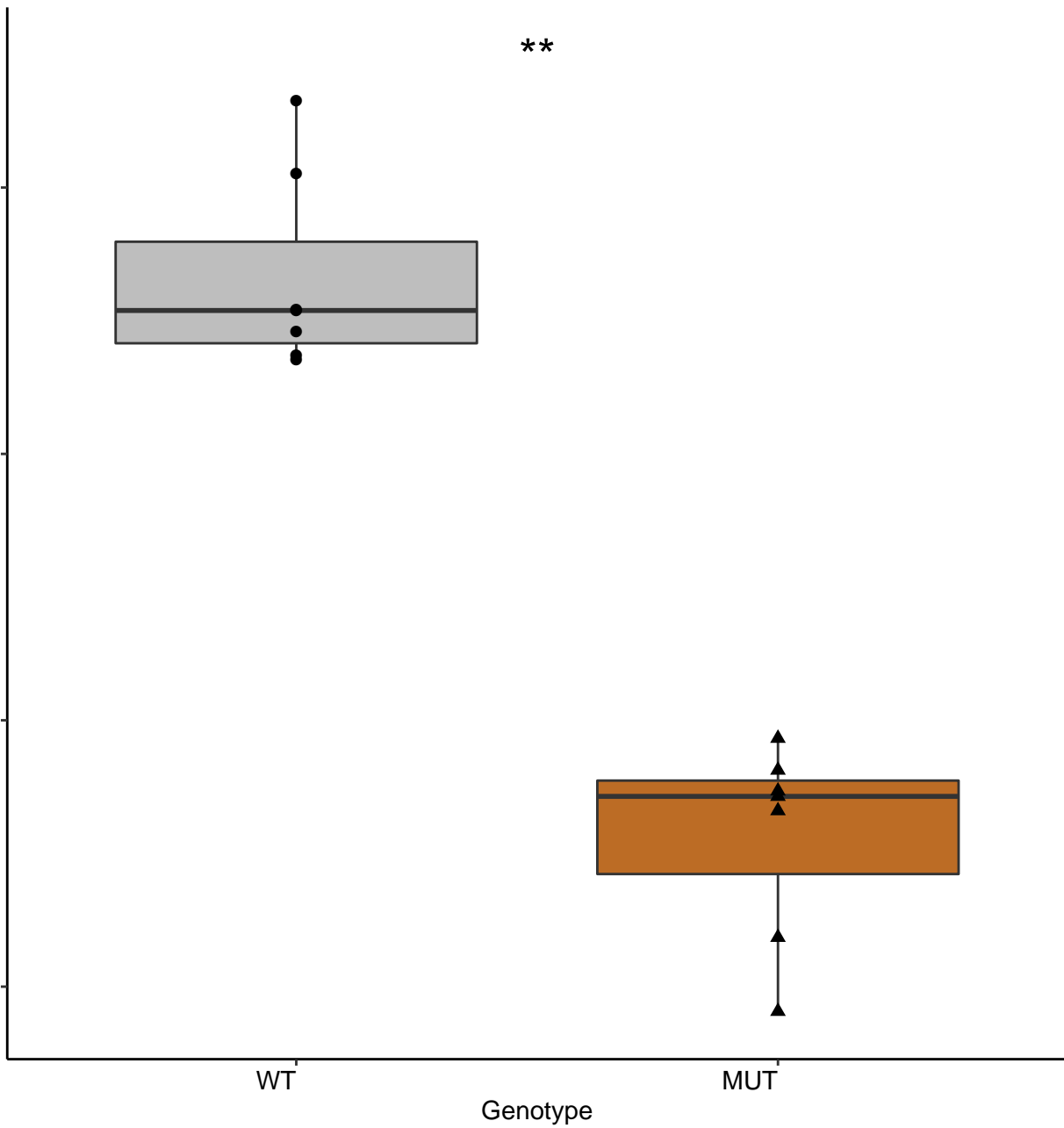
14.12

14.08

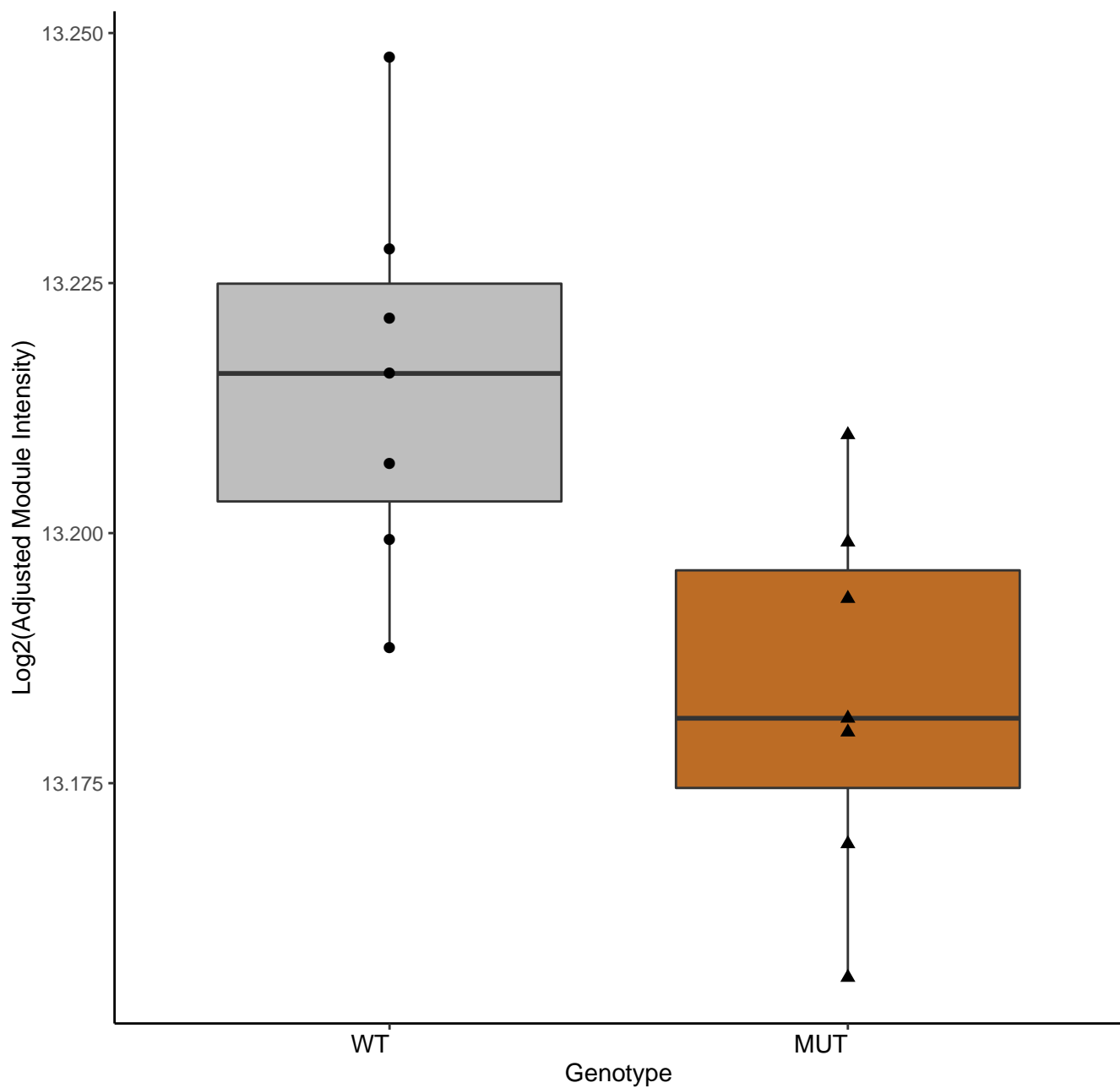
WT

Genotype

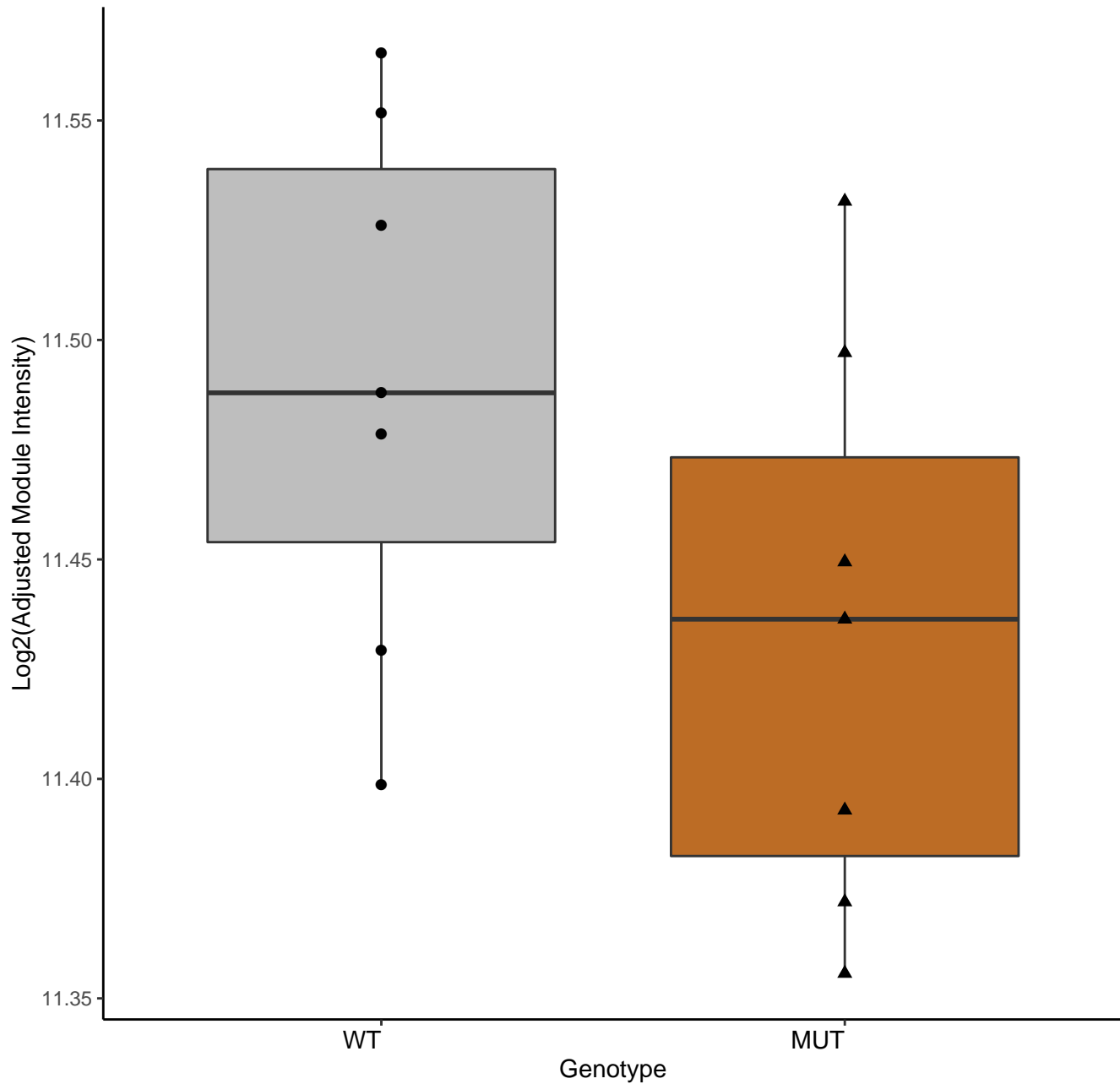
MUT



M37



M38



M39

Log2(Adjusted Module Intensity)

15.74

15.72

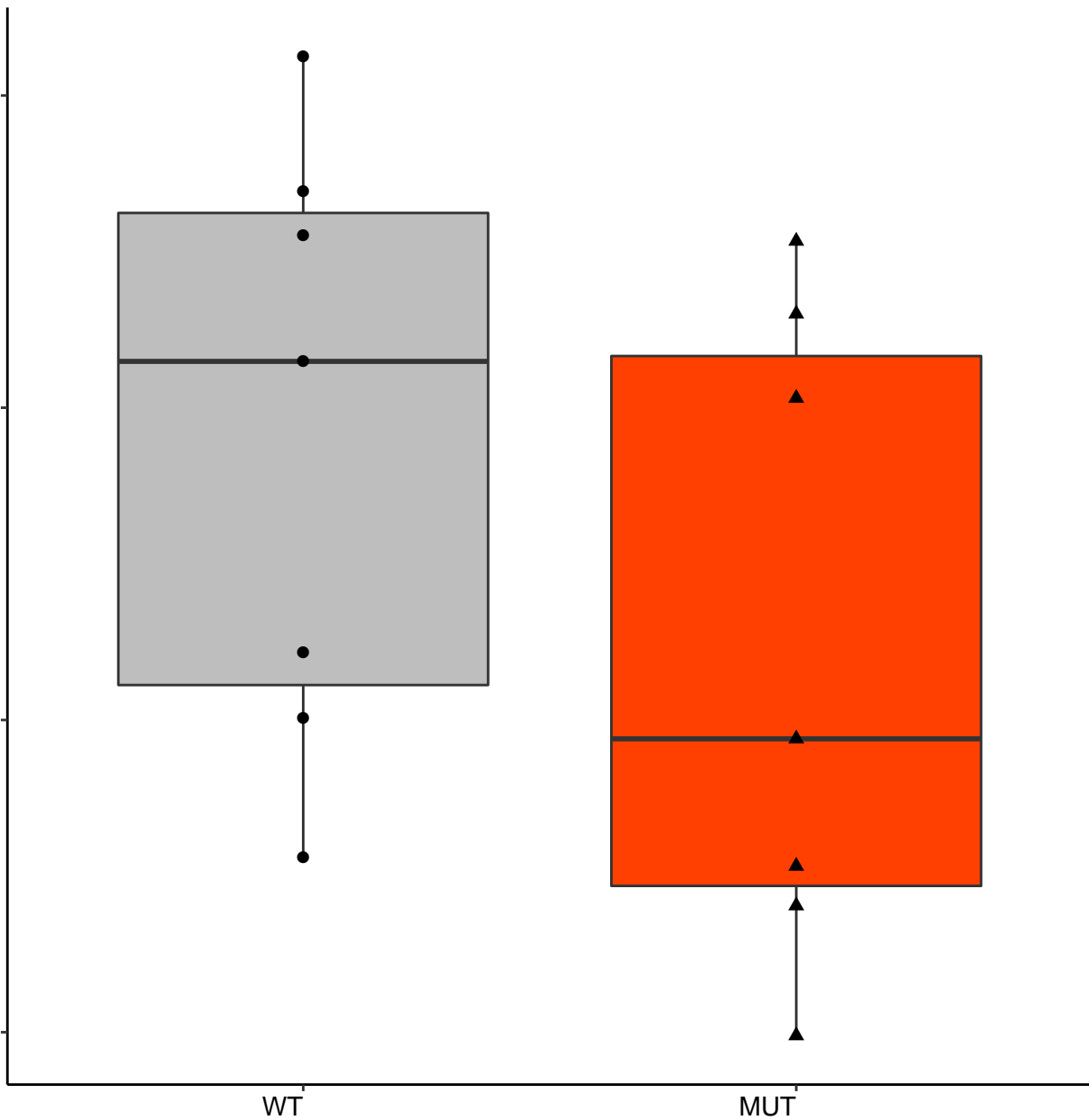
15.70

15.68

WT

Genotype

MUT



M40

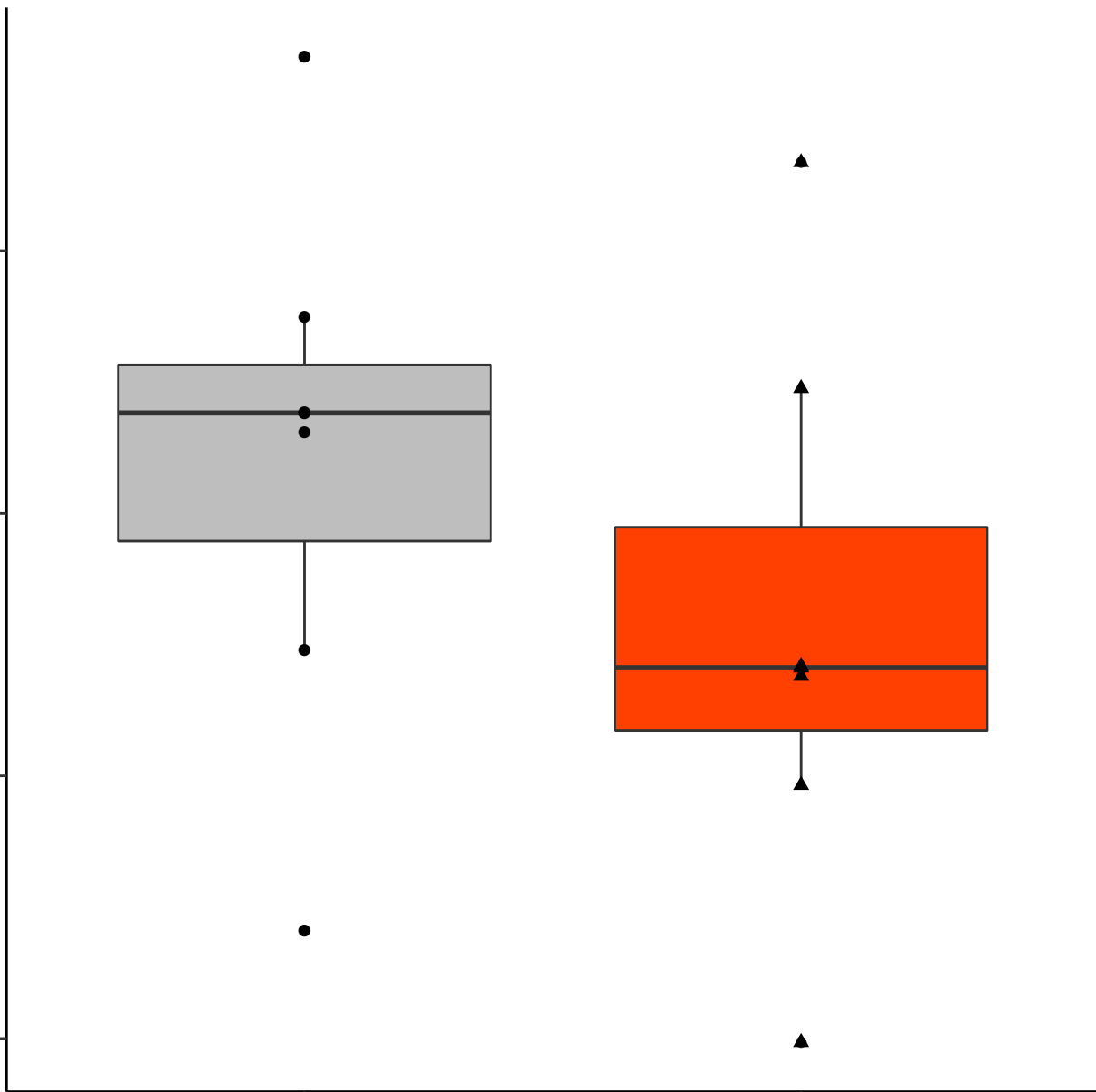
Log2(Adjusted Module Intensity)

14.50
14.48
14.46
14.44

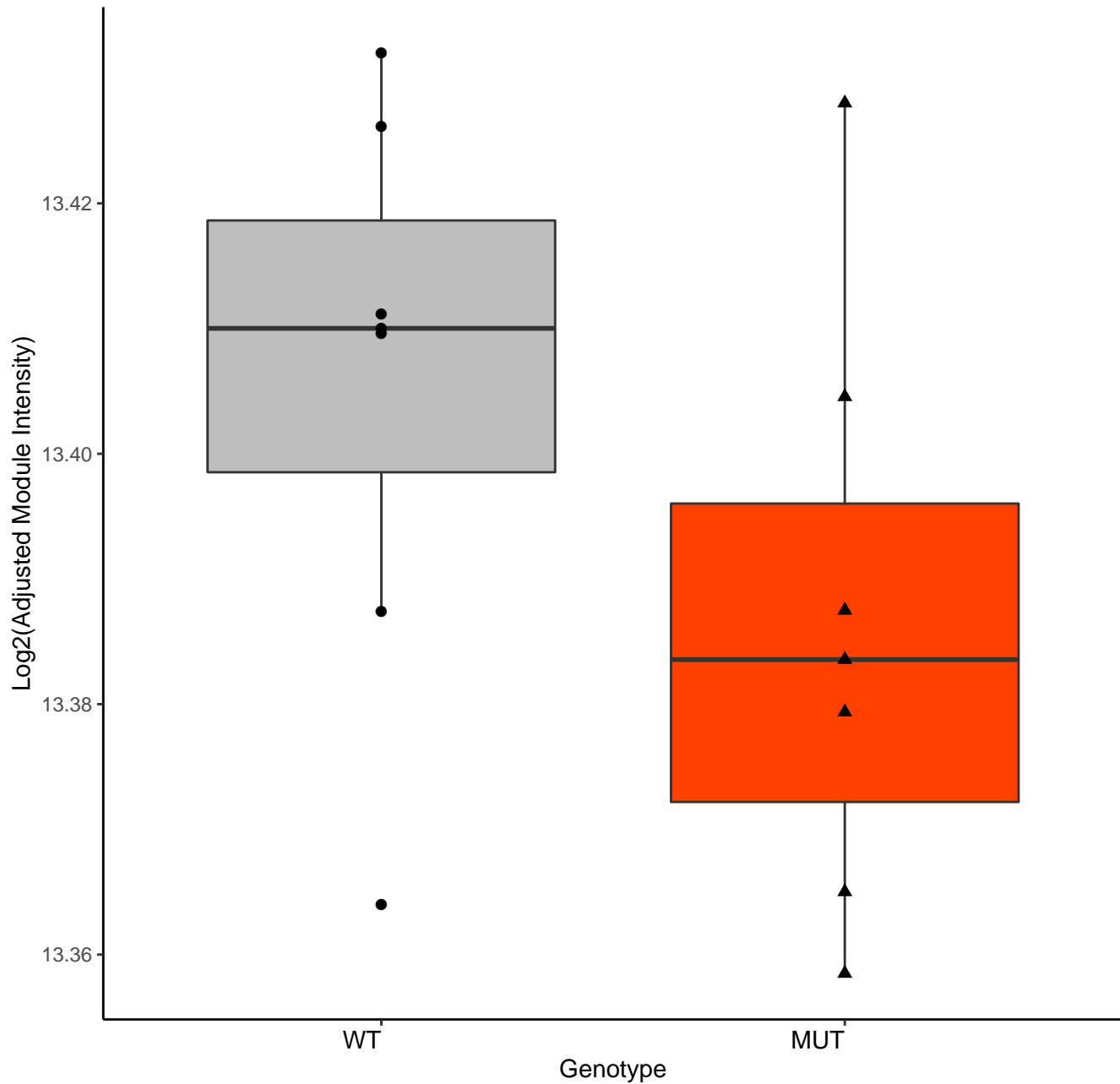
WT

Genotype

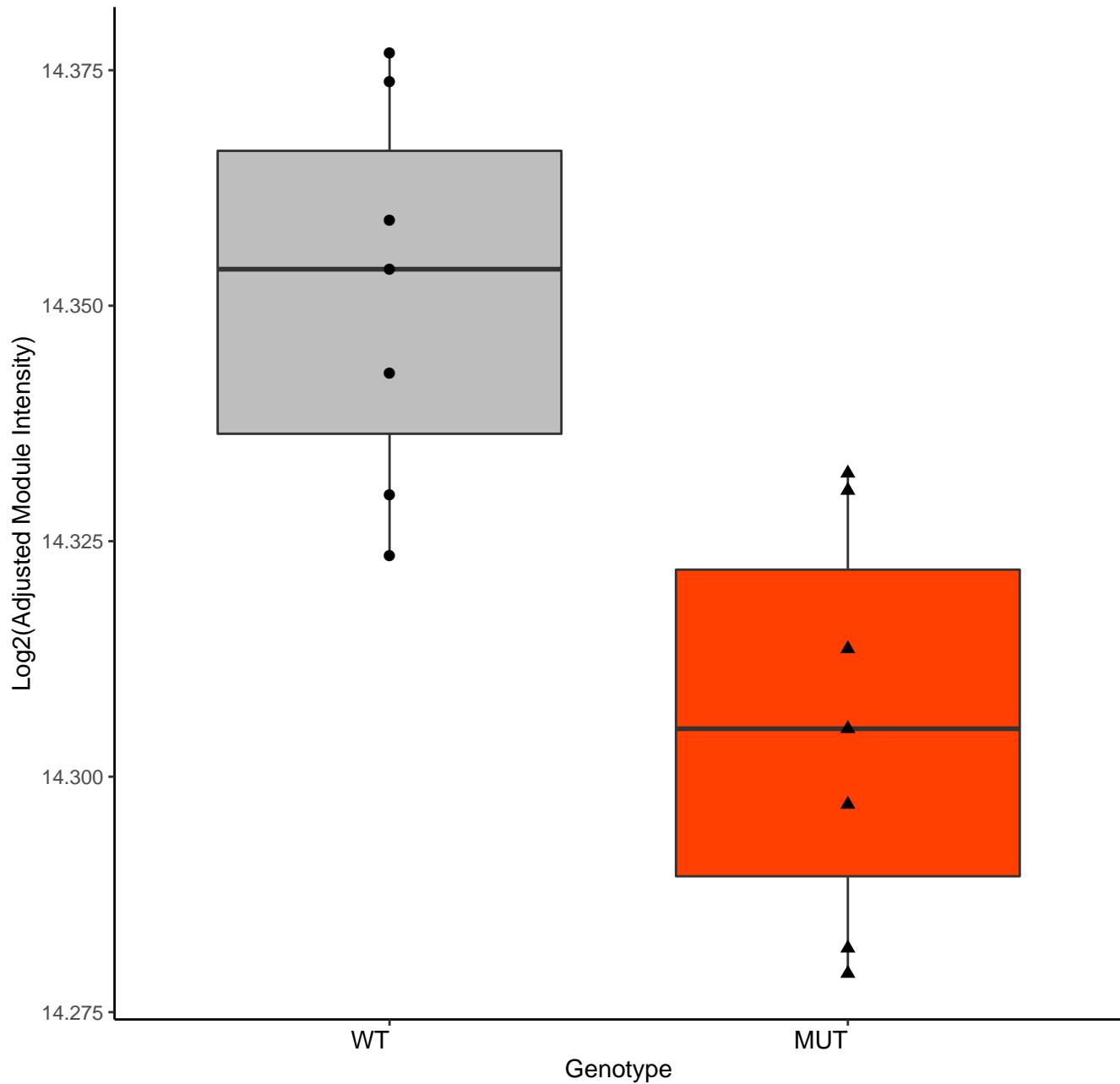
MUT



M41



M42



M43

Log2(Adjusted Module Intensity)

14.45

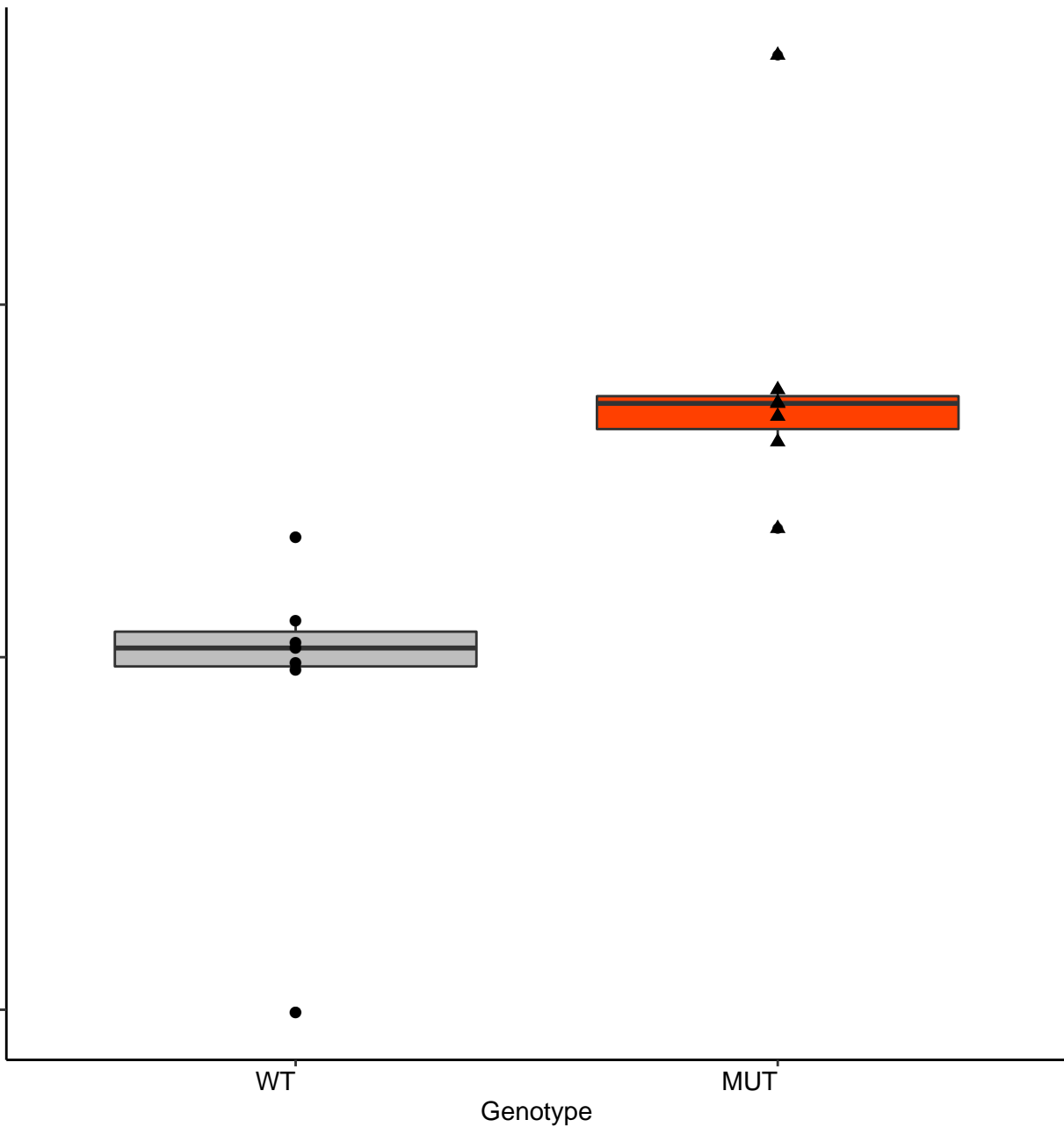
14.40

14.35

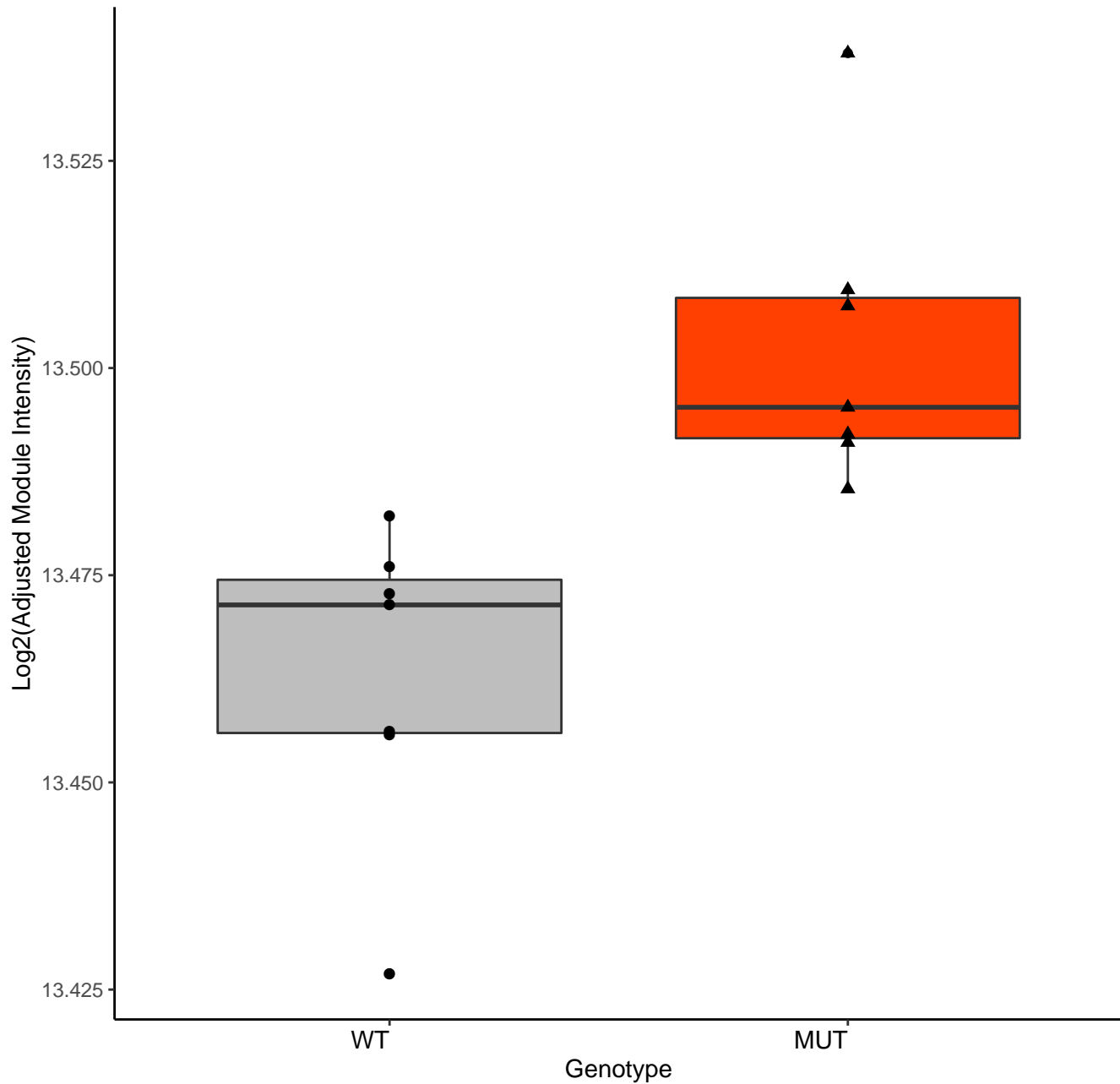
WT

MUT

Genotype



M44



M45

Log2(Adjusted Module Intensity)

13.94

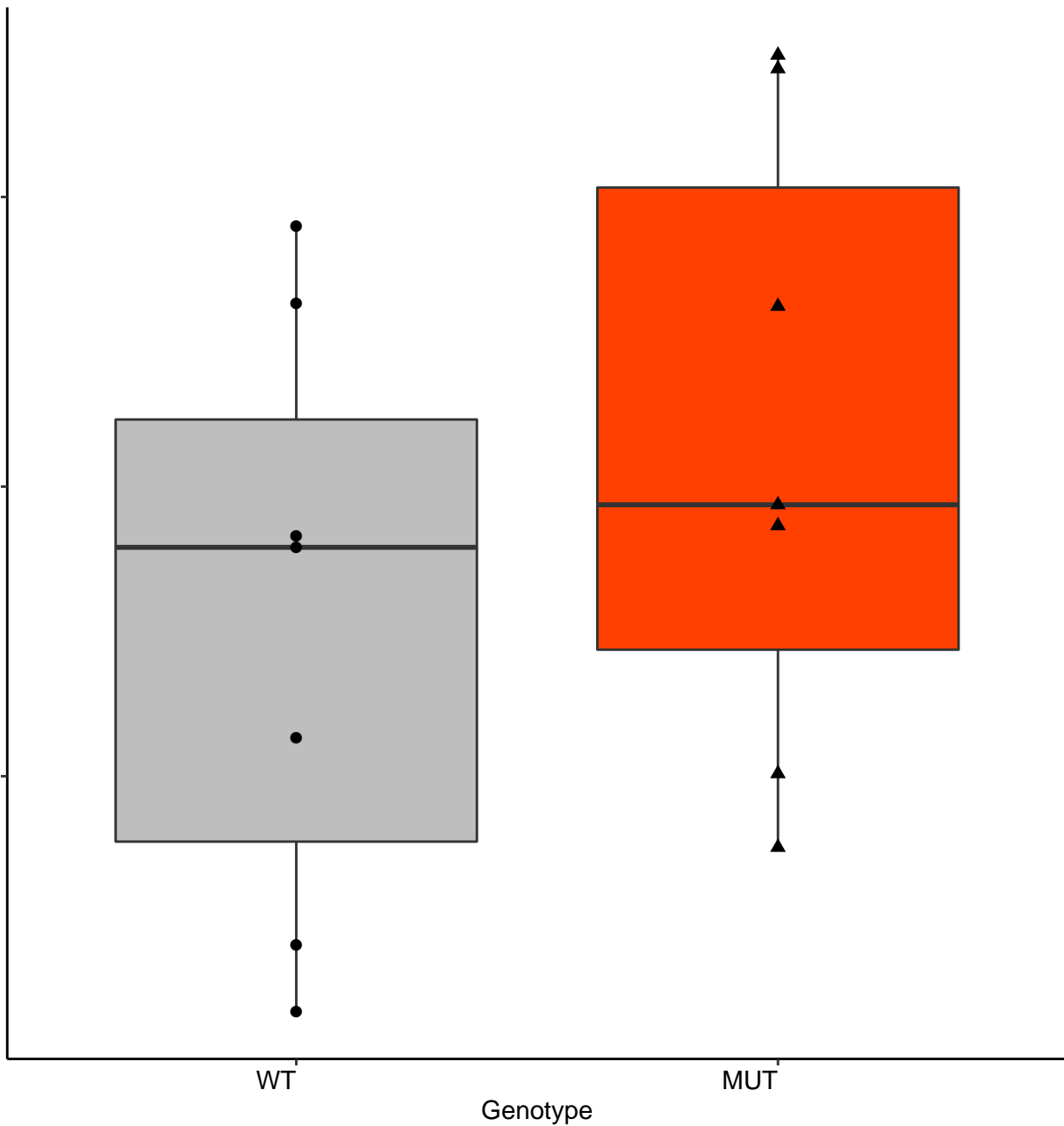
13.92

13.90

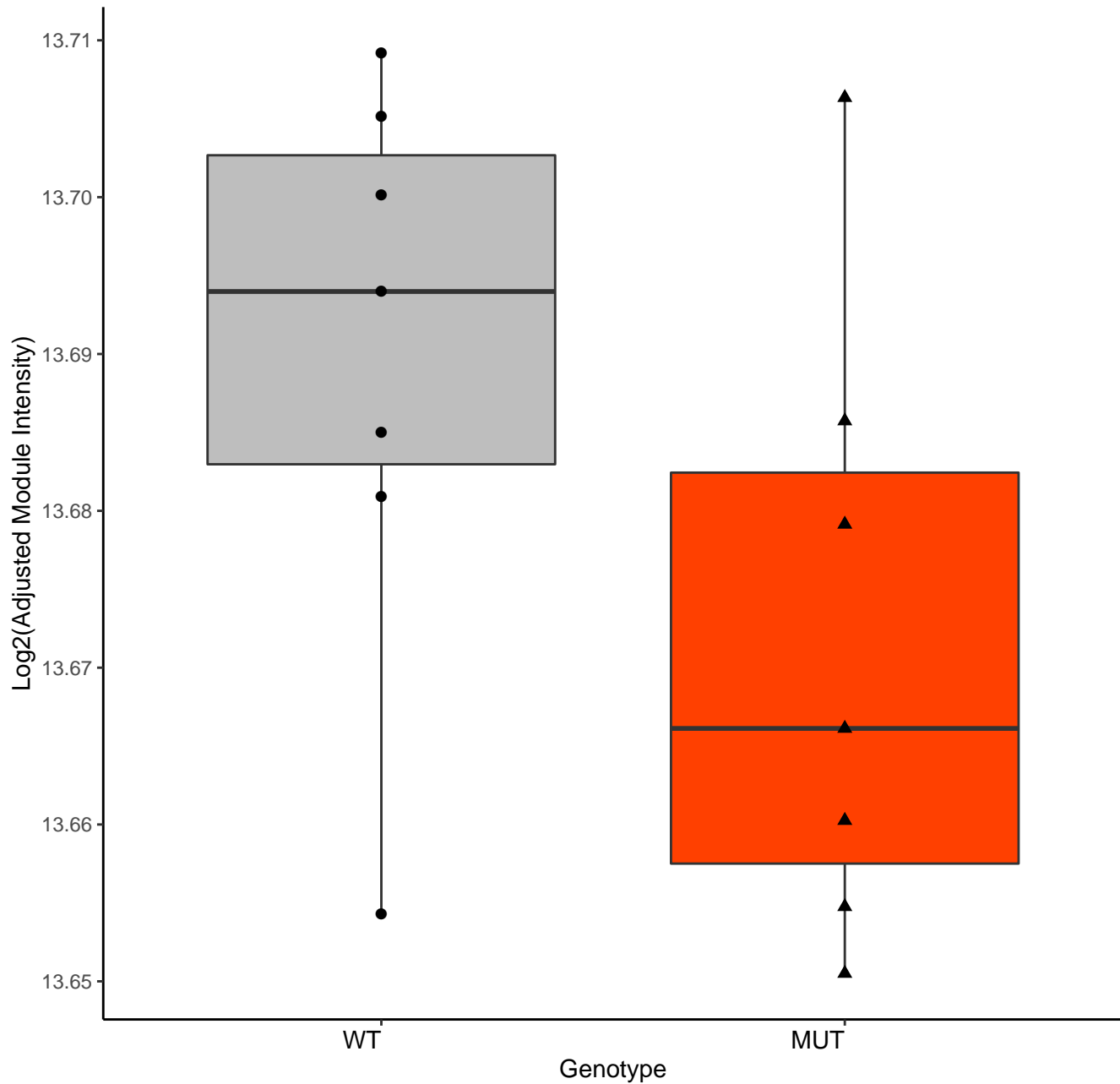
WT

Genotype

MUT



M46



M47

Log2(Adjusted Module Intensity)

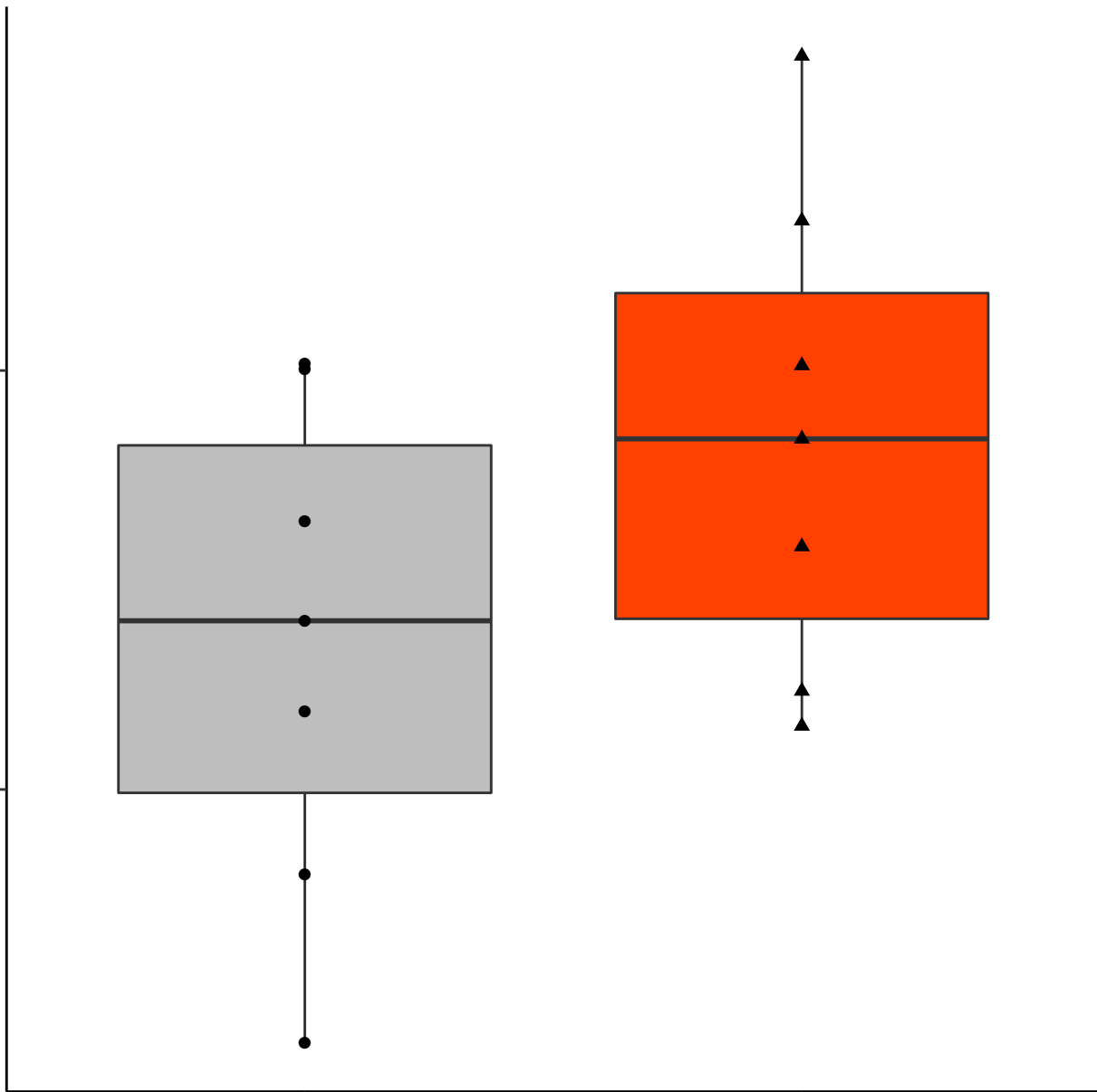
12.55

12.50

WT

Genotype

MUT



M48

Log2(Adjusted Module Intensity)

12.55

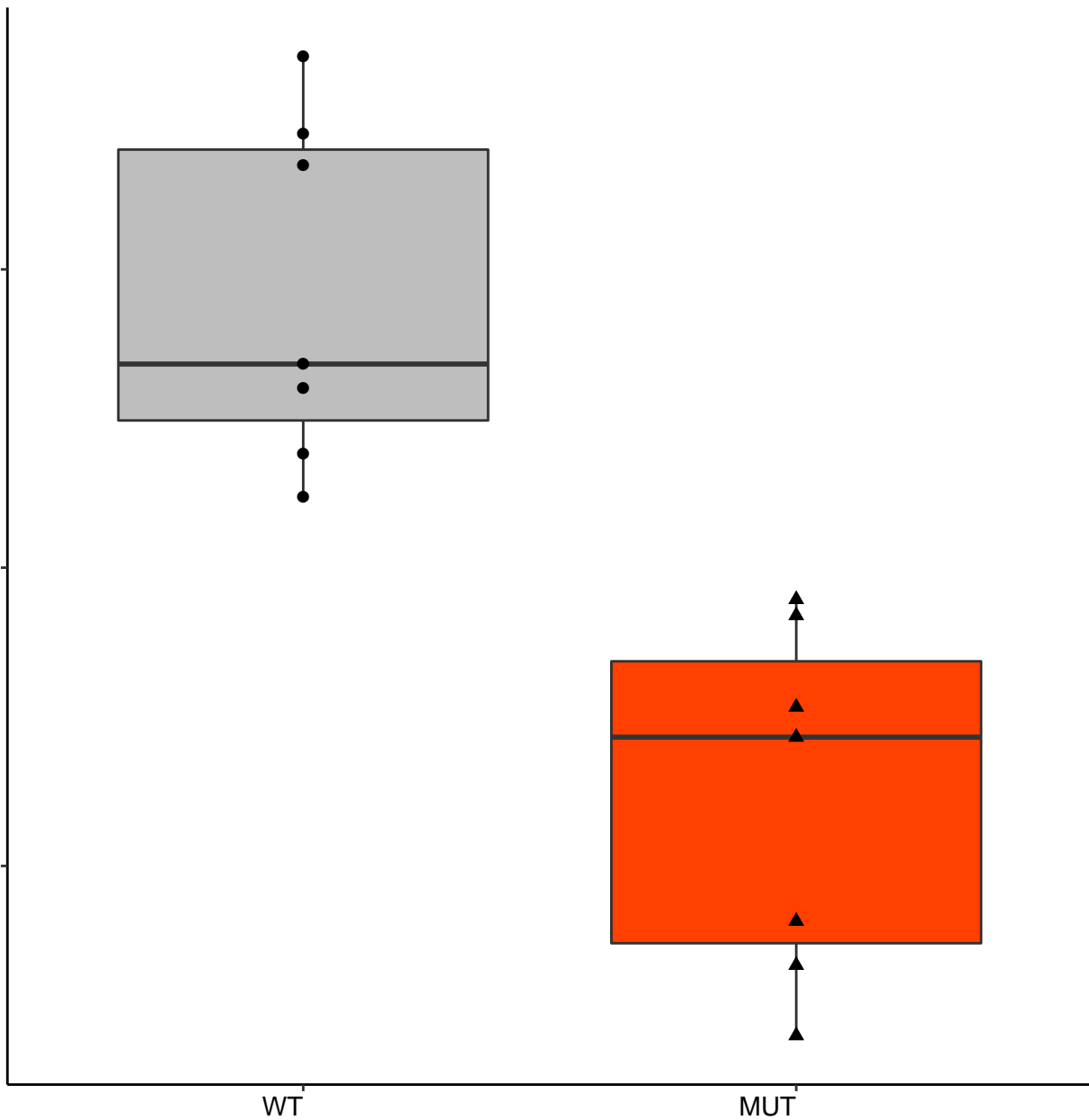
12.50

12.45

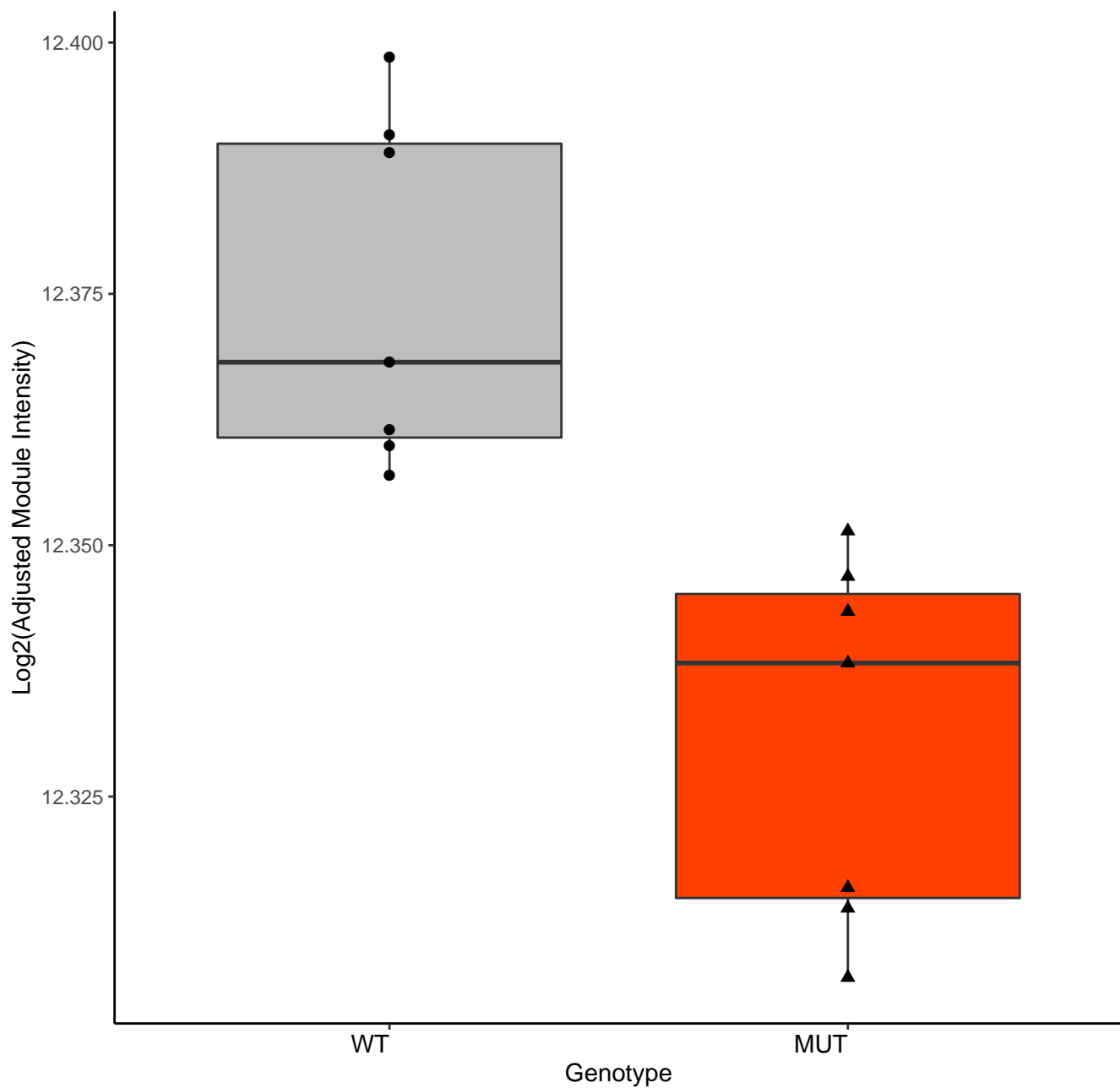
WT

Genotype

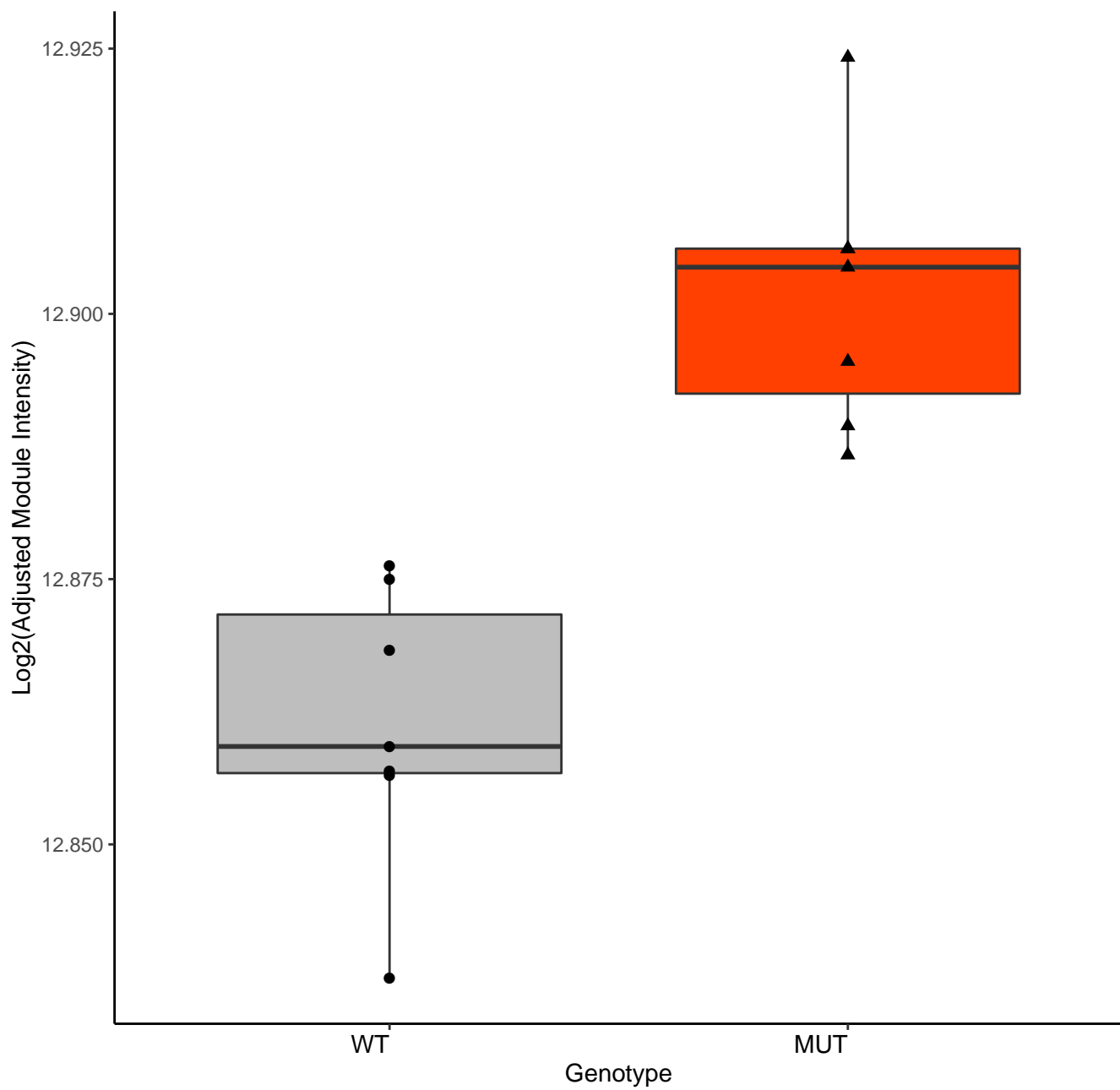
MUT



M49

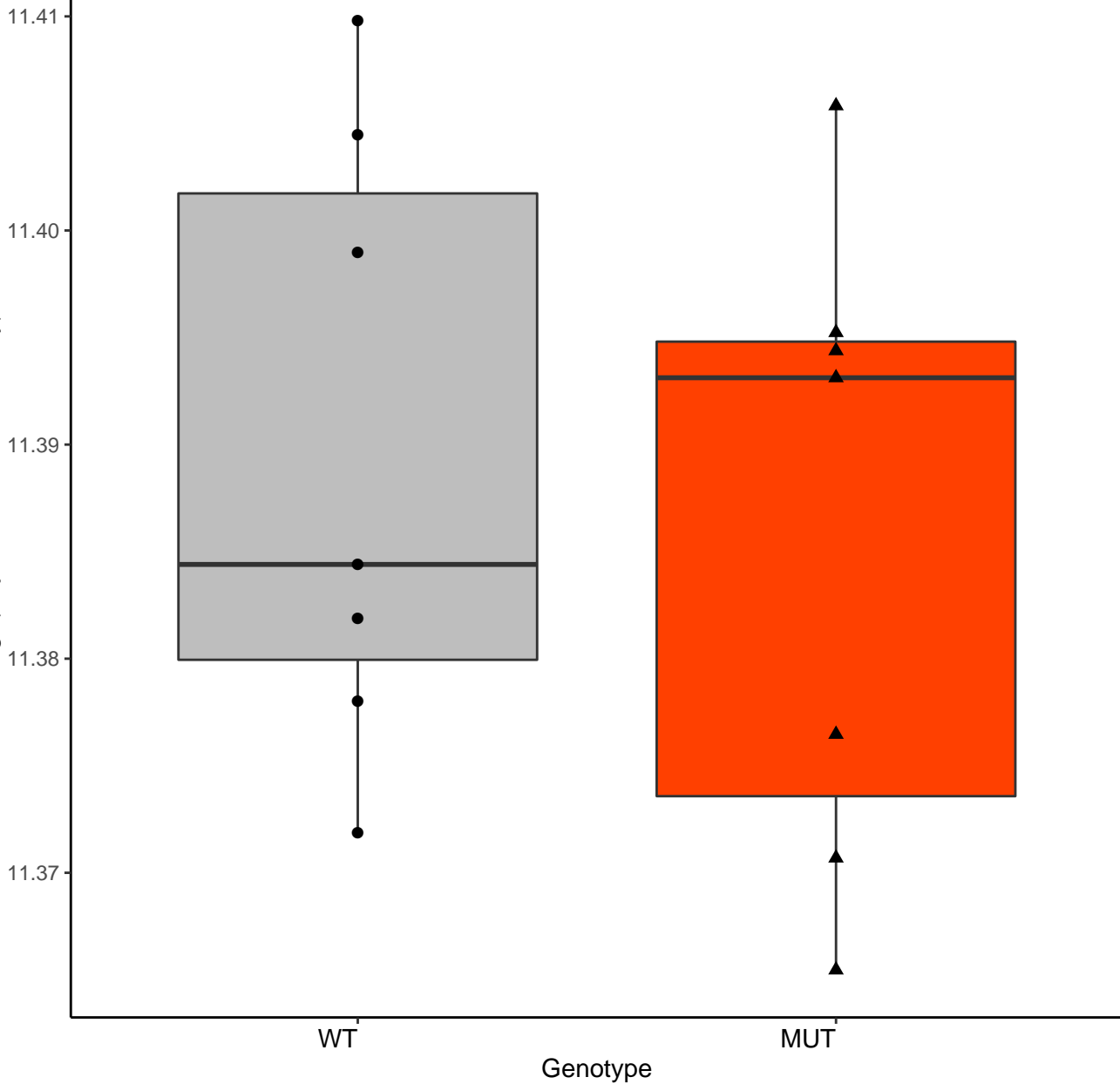


M50

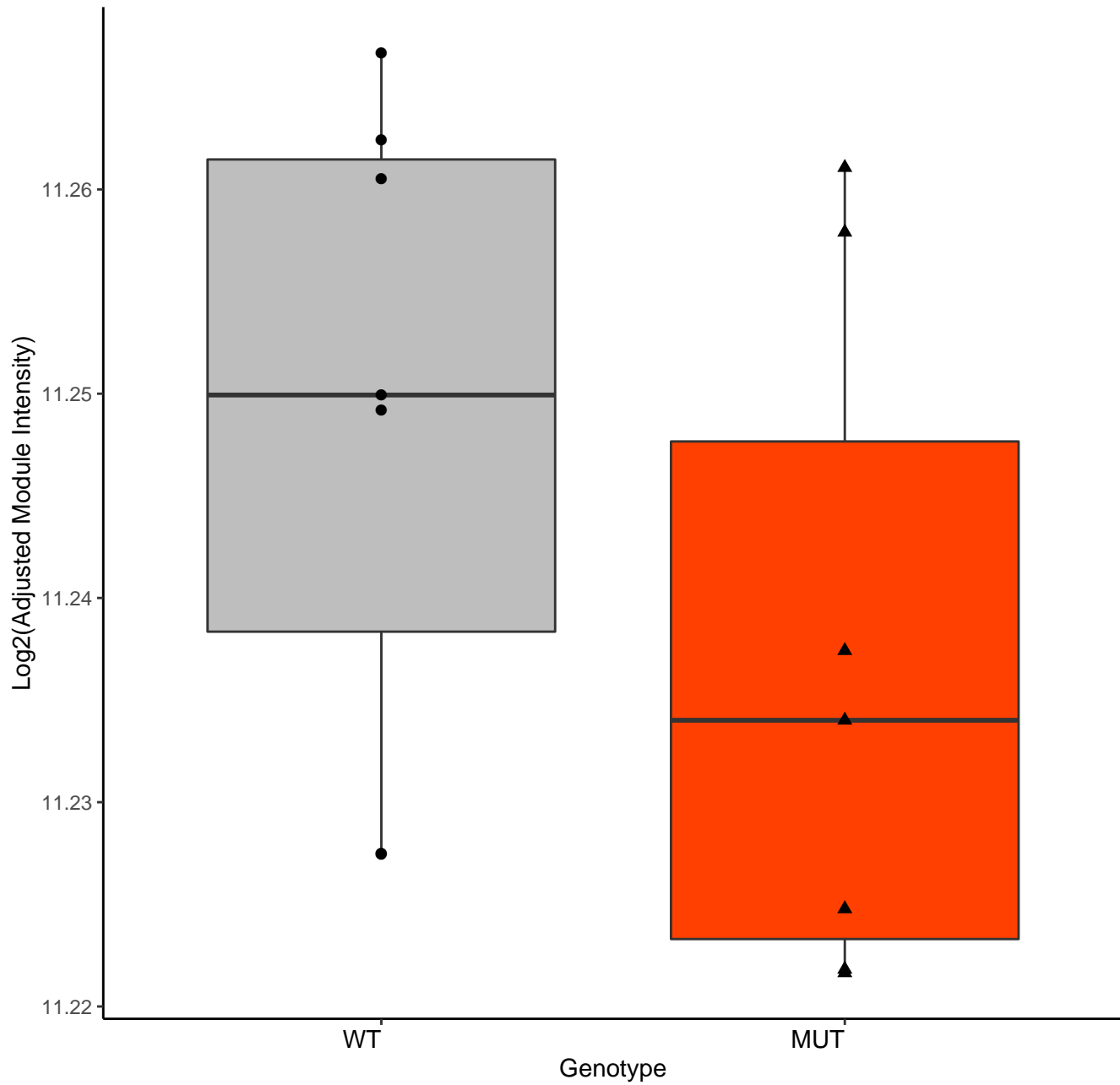


M51

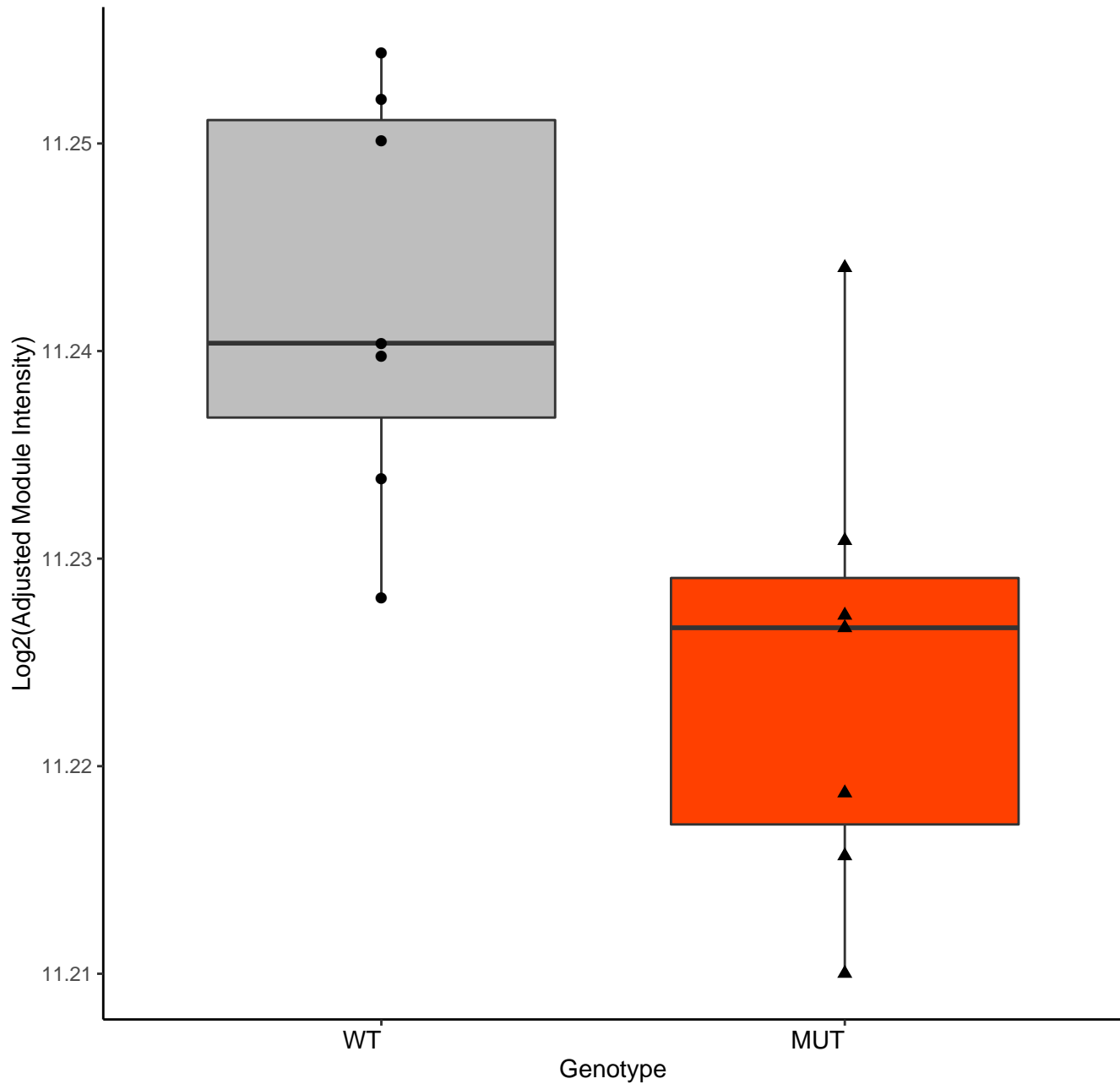
Log2(Adjusted Module Intensity)



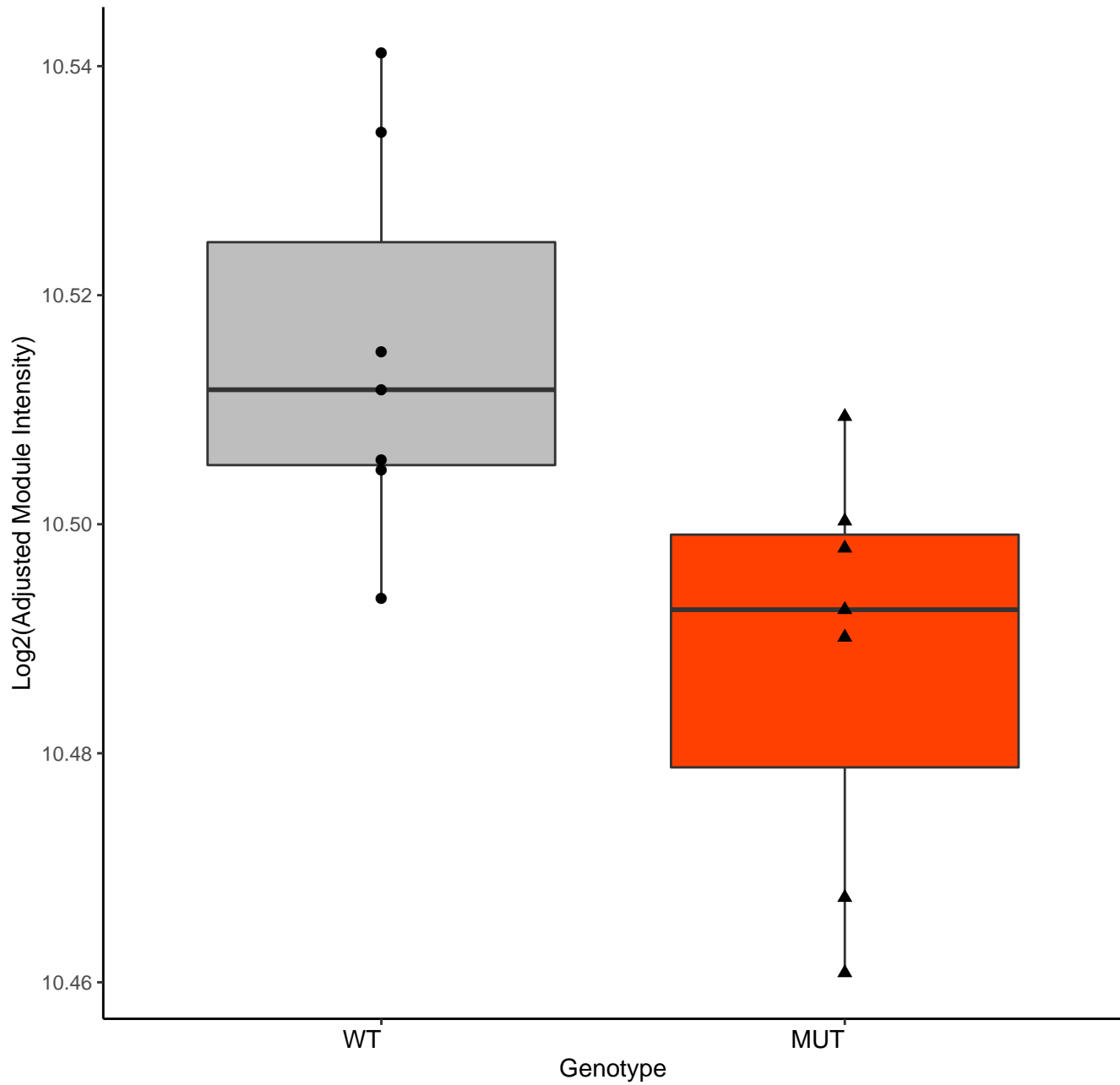
M52



M53



M54



M55

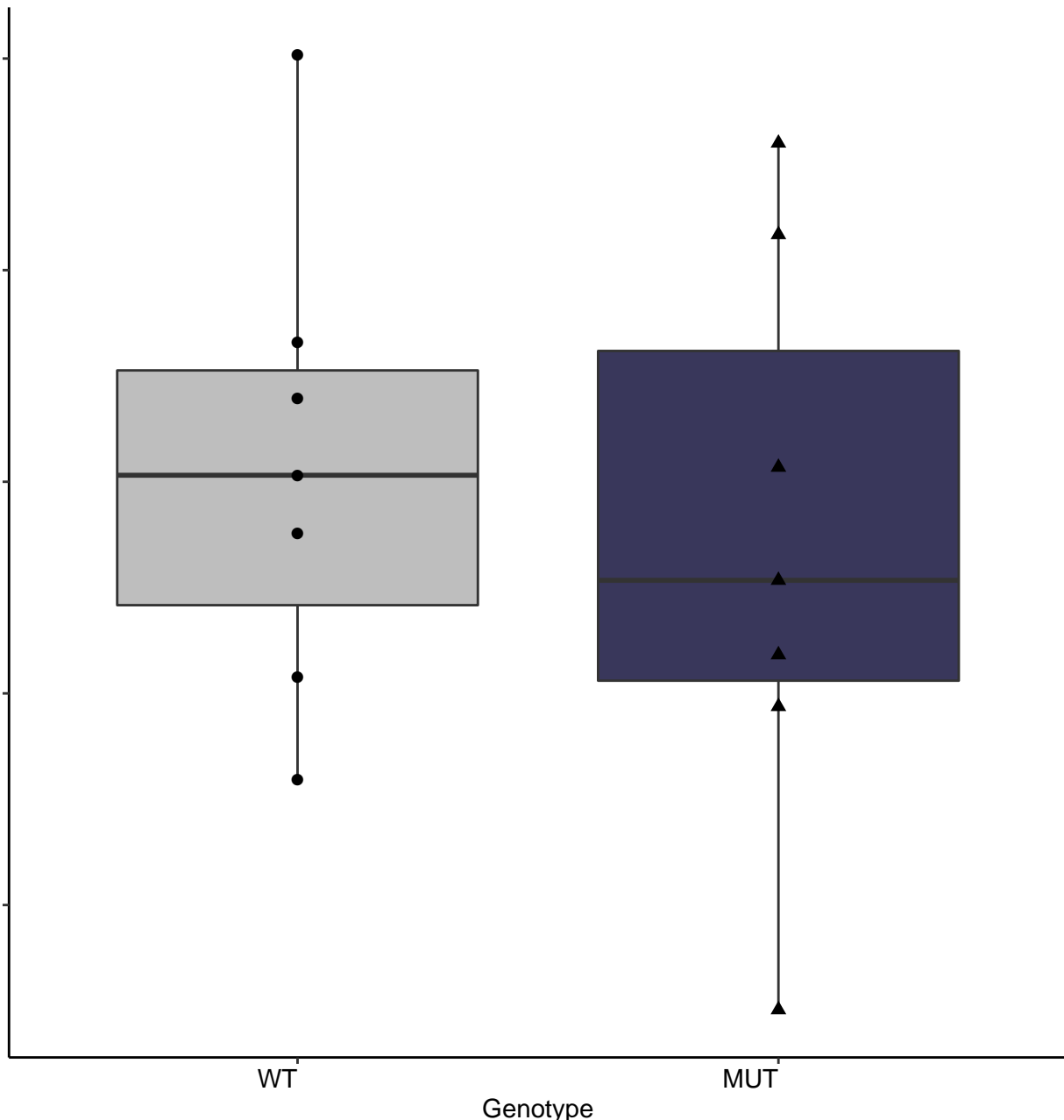
Log2(Adjusted Module Intensity)

13.31
13.30
13.29
13.28
13.27

WT

Genotype

MUT



M56

Log2(Adjusted Module Intensity)

13.78

13.77

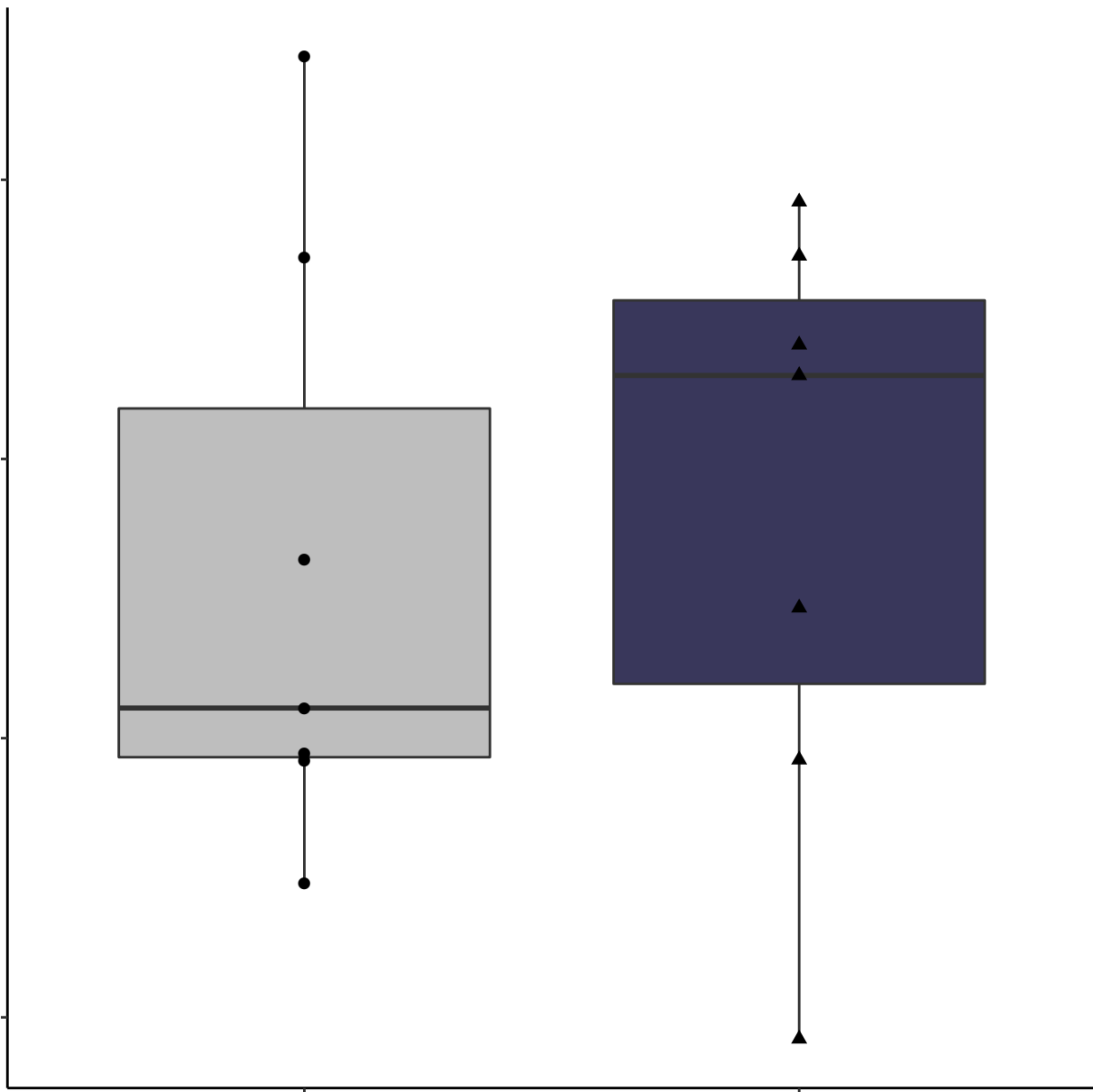
13.76

13.75

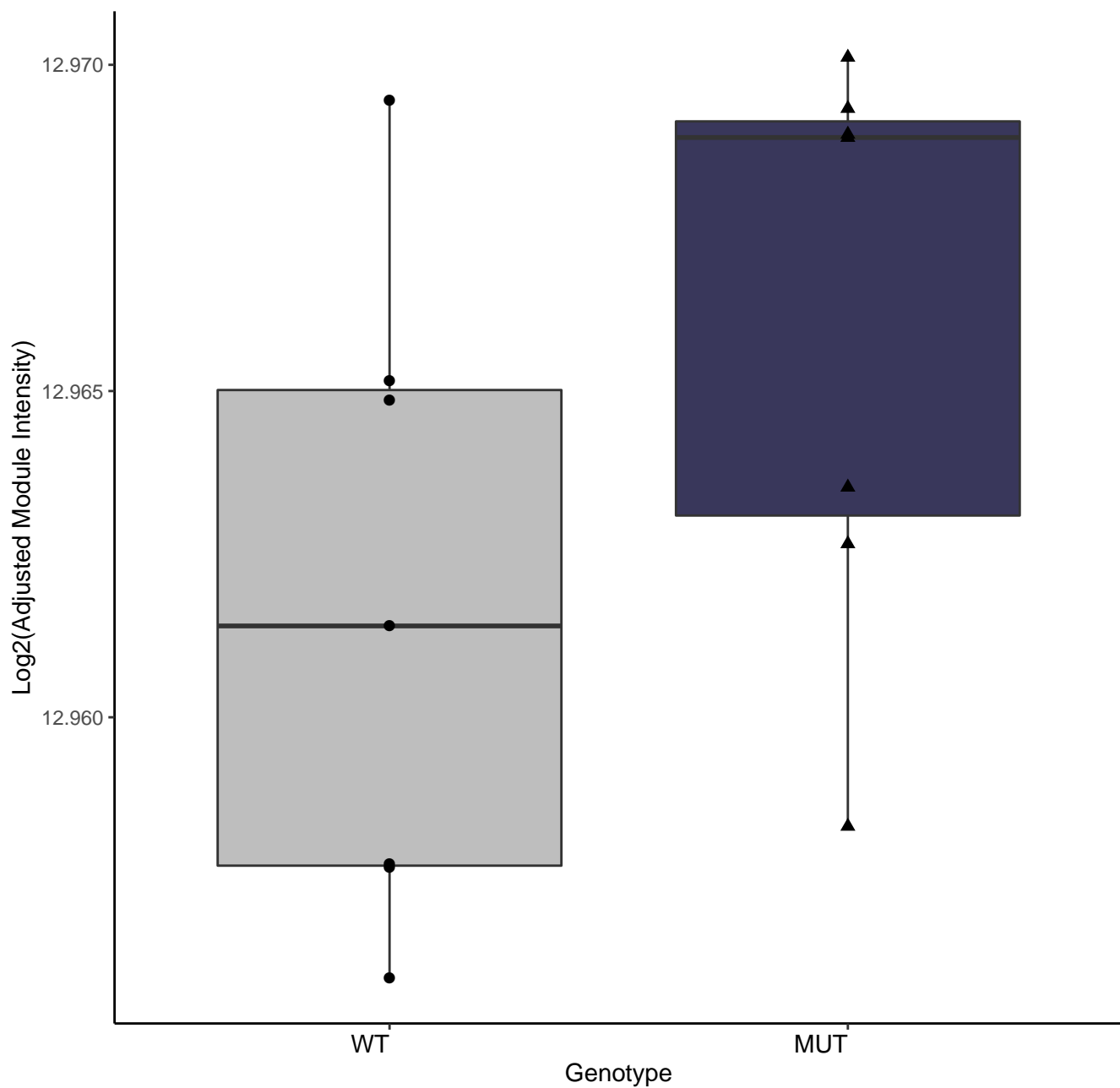
WT

Genotype

MUT



M57



M58

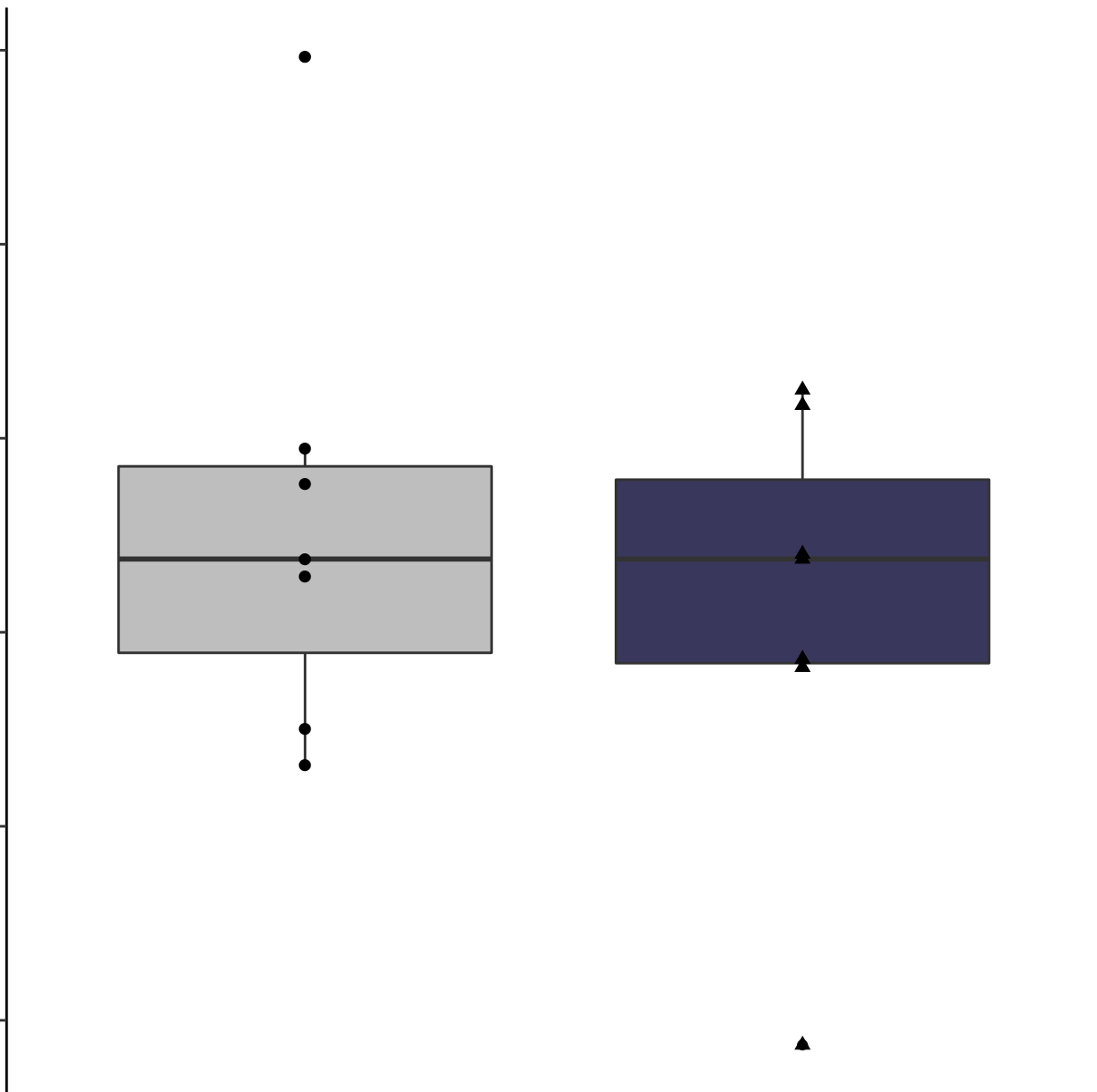
Log2(Adjusted Module Intensity)

14.47
14.46
14.45
14.44
14.43
14.42

WT

MUT

Genotype



M59

Log2(Adjusted Module Intensity)

12.98

12.97

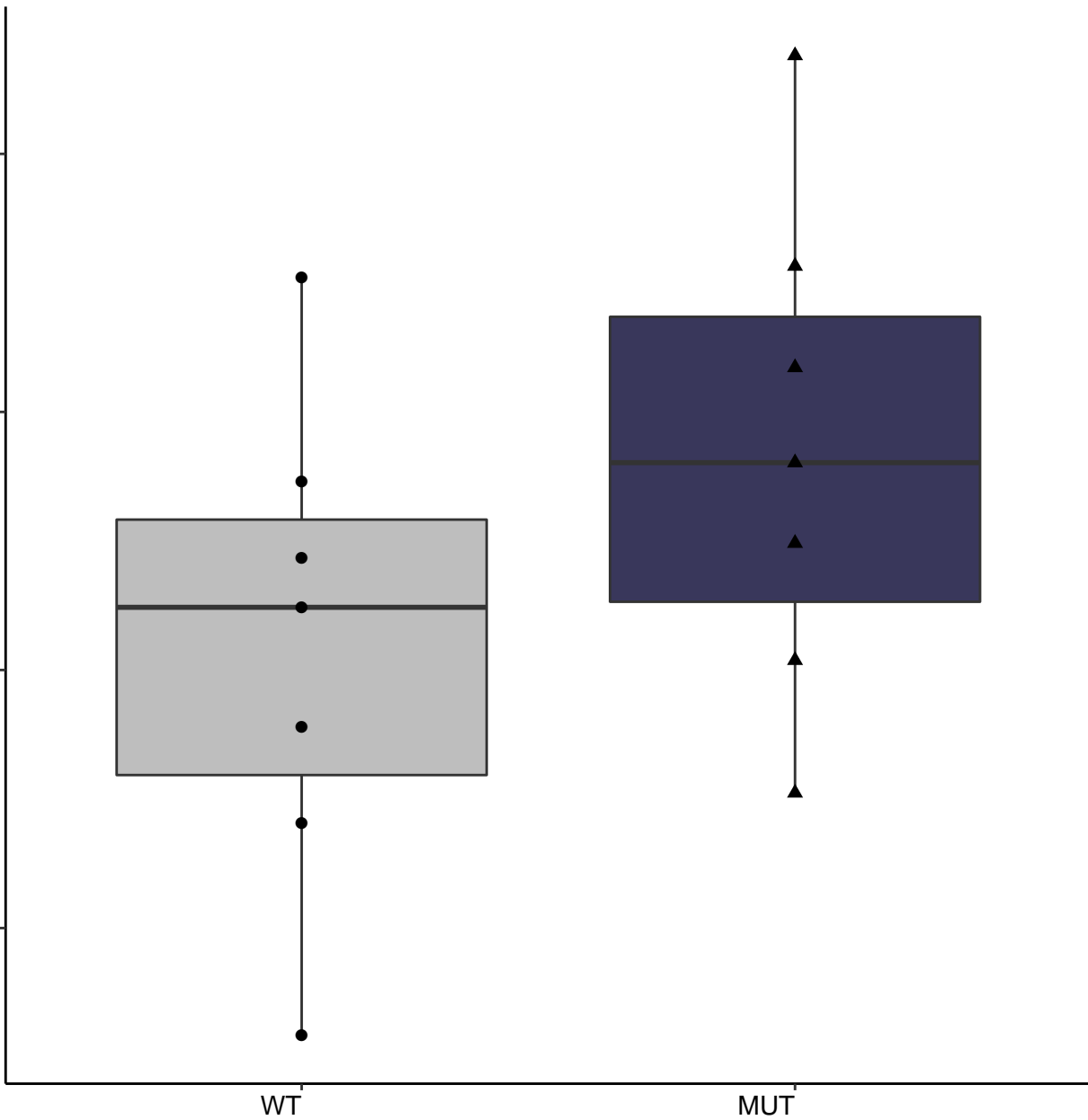
12.96

12.95

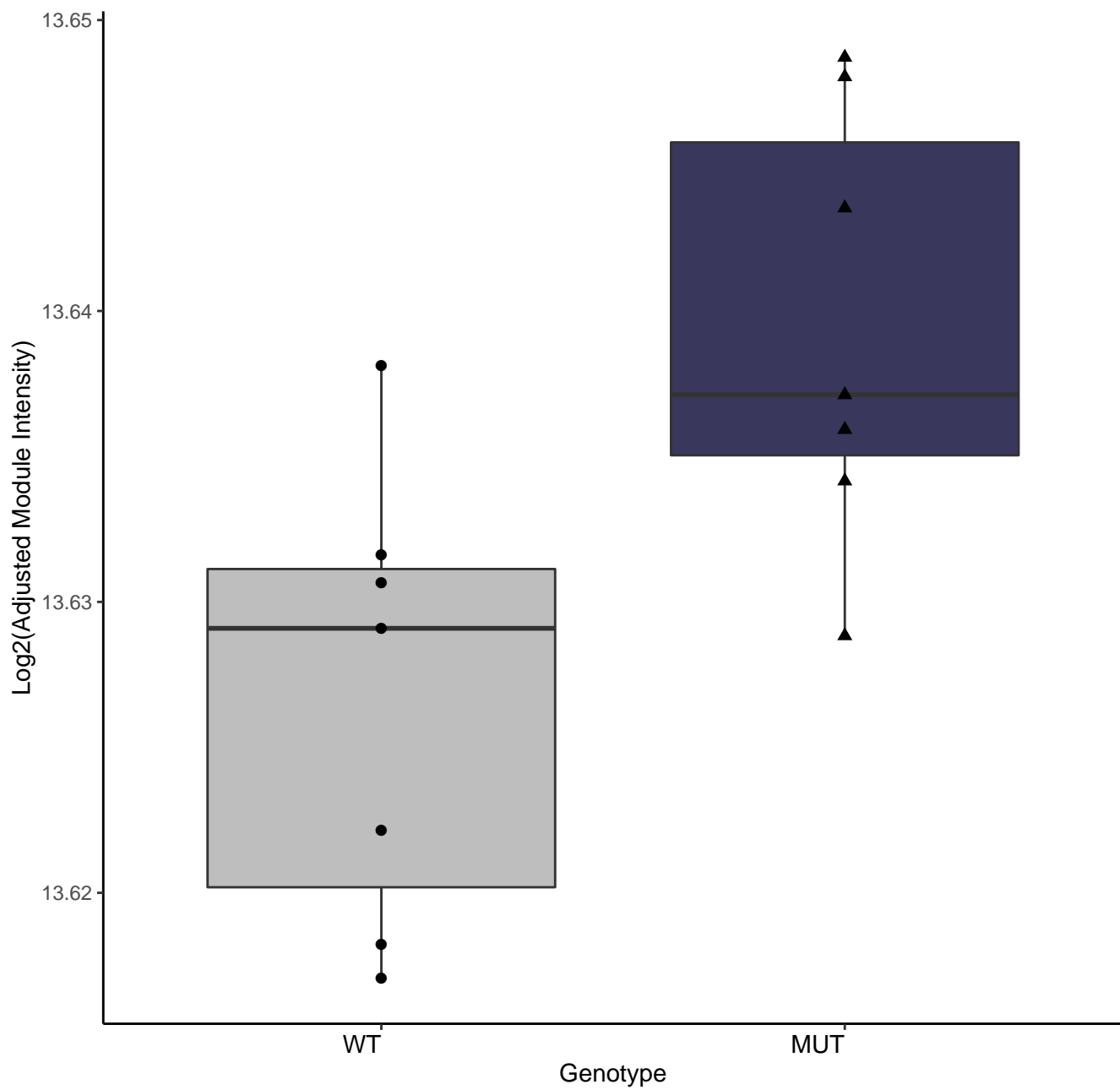
WT

Genotype

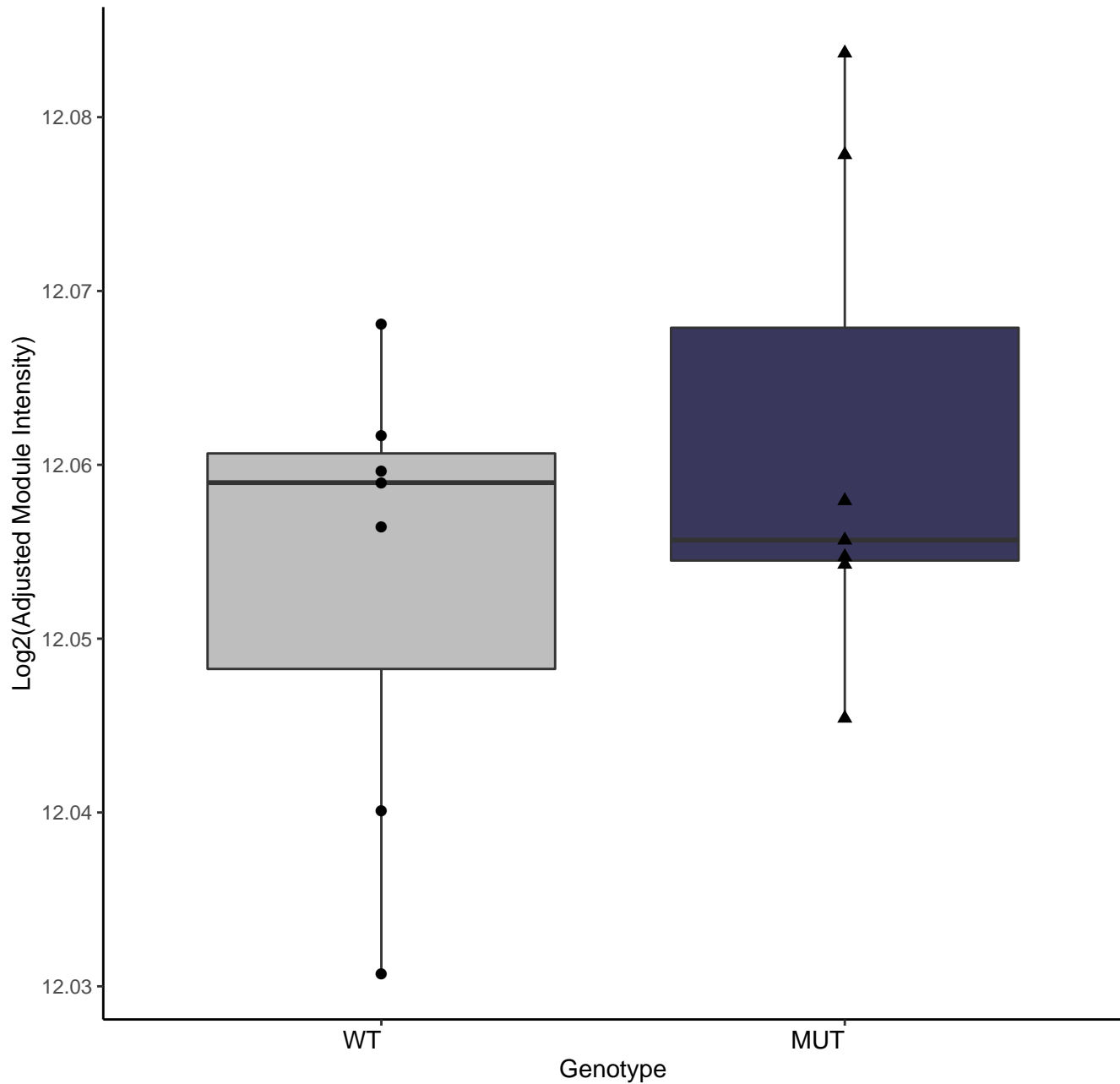
MUT



M60



M61



M62

Log2(Adjusted Module Intensity)

13.63

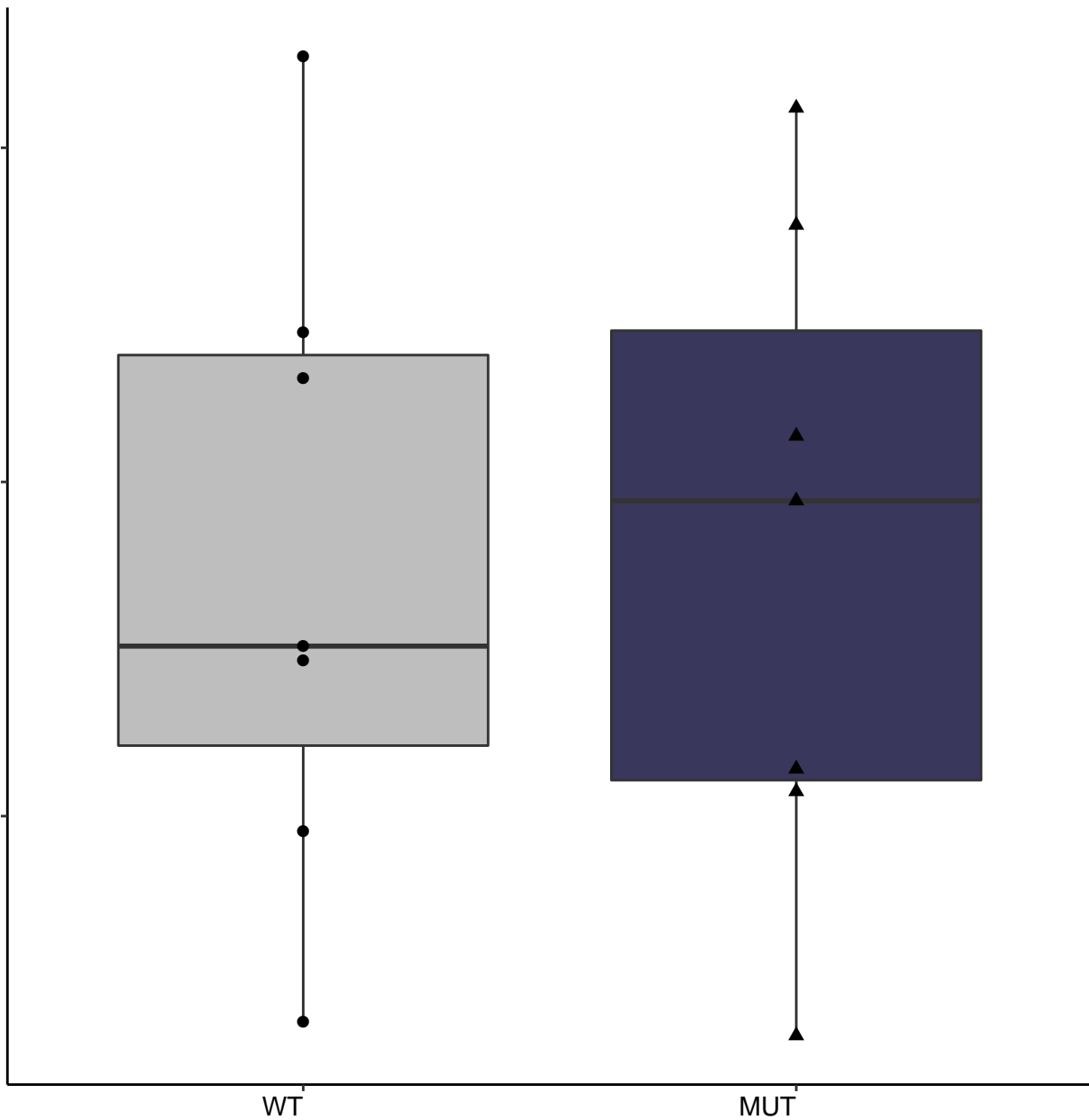
13.62

13.61

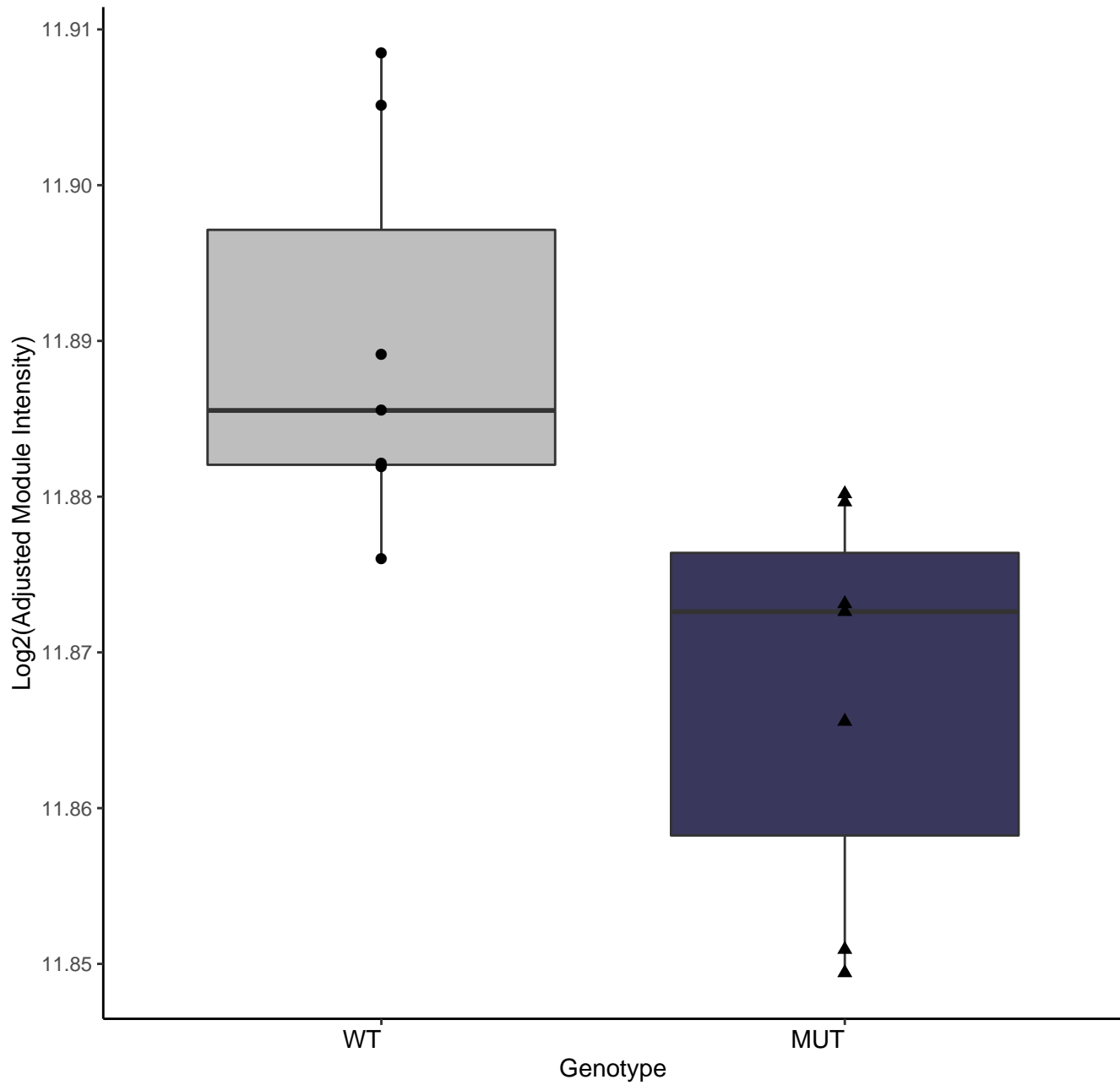
WT

Genotype

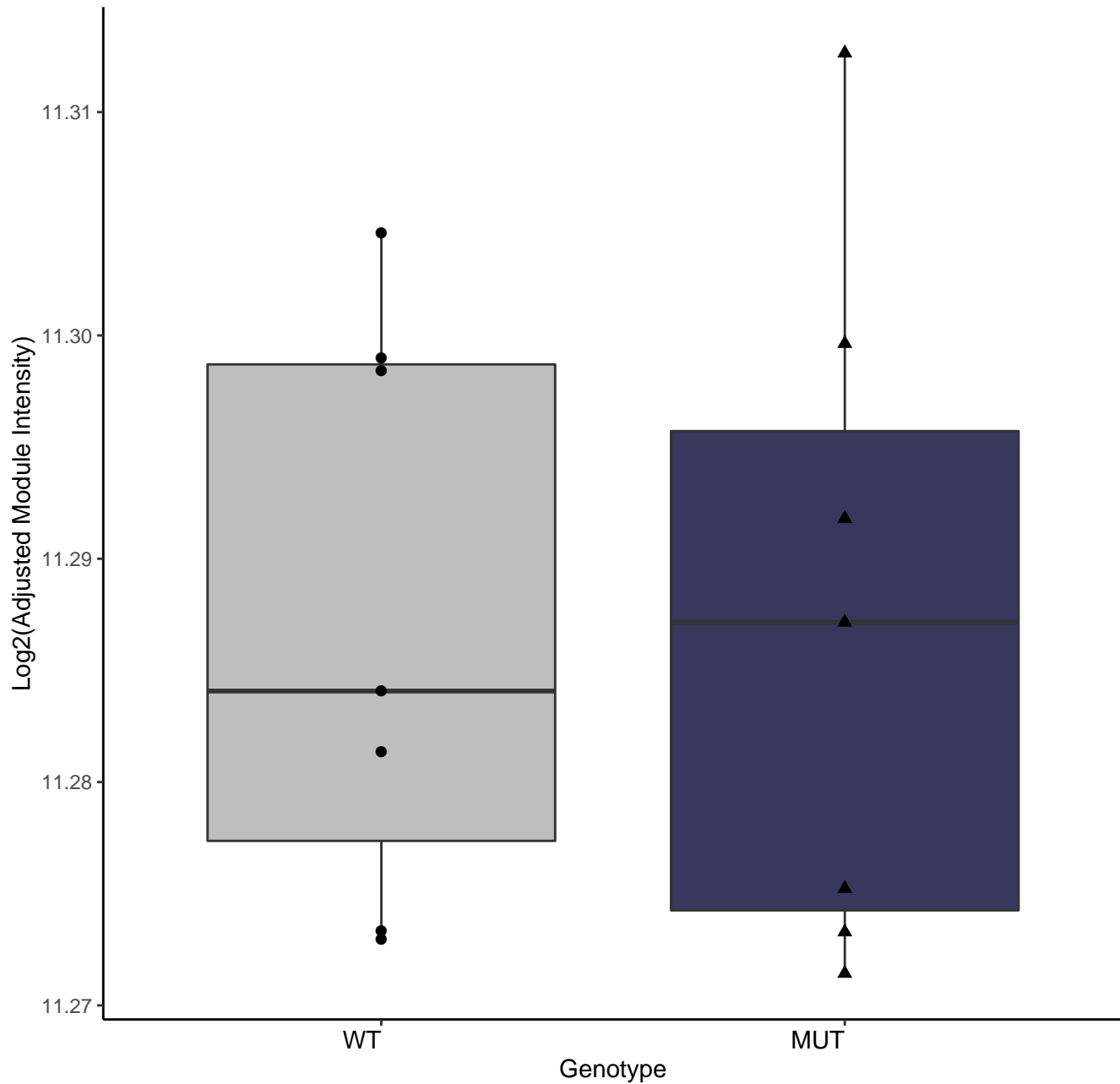
MUT



M63



M64



M65

Log2(Adjusted Module Intensity)

13.17

13.16

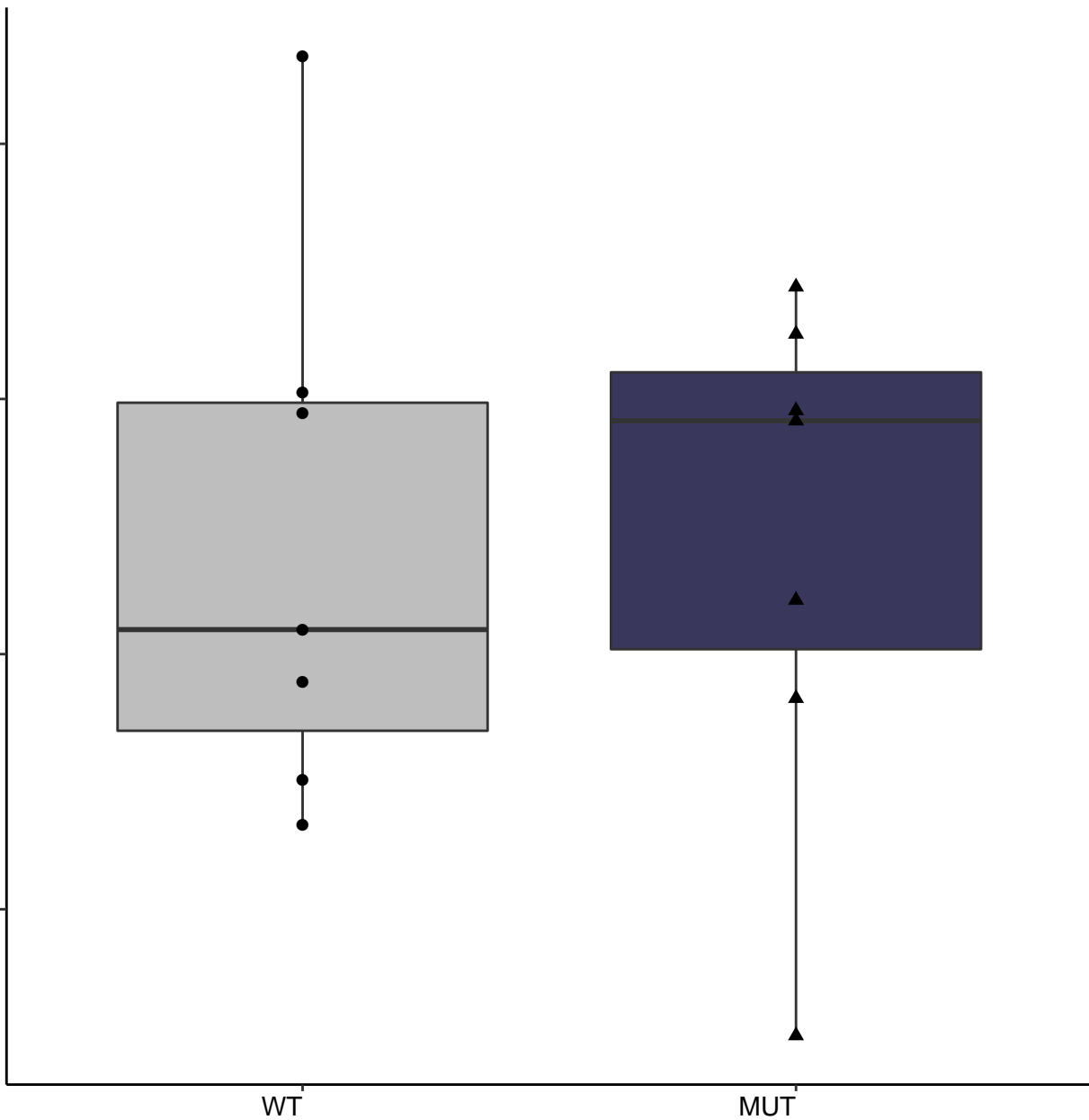
13.15

13.14

WT

Genotype

MUT



M66

Log2(Adjusted Module Intensity)

9.08

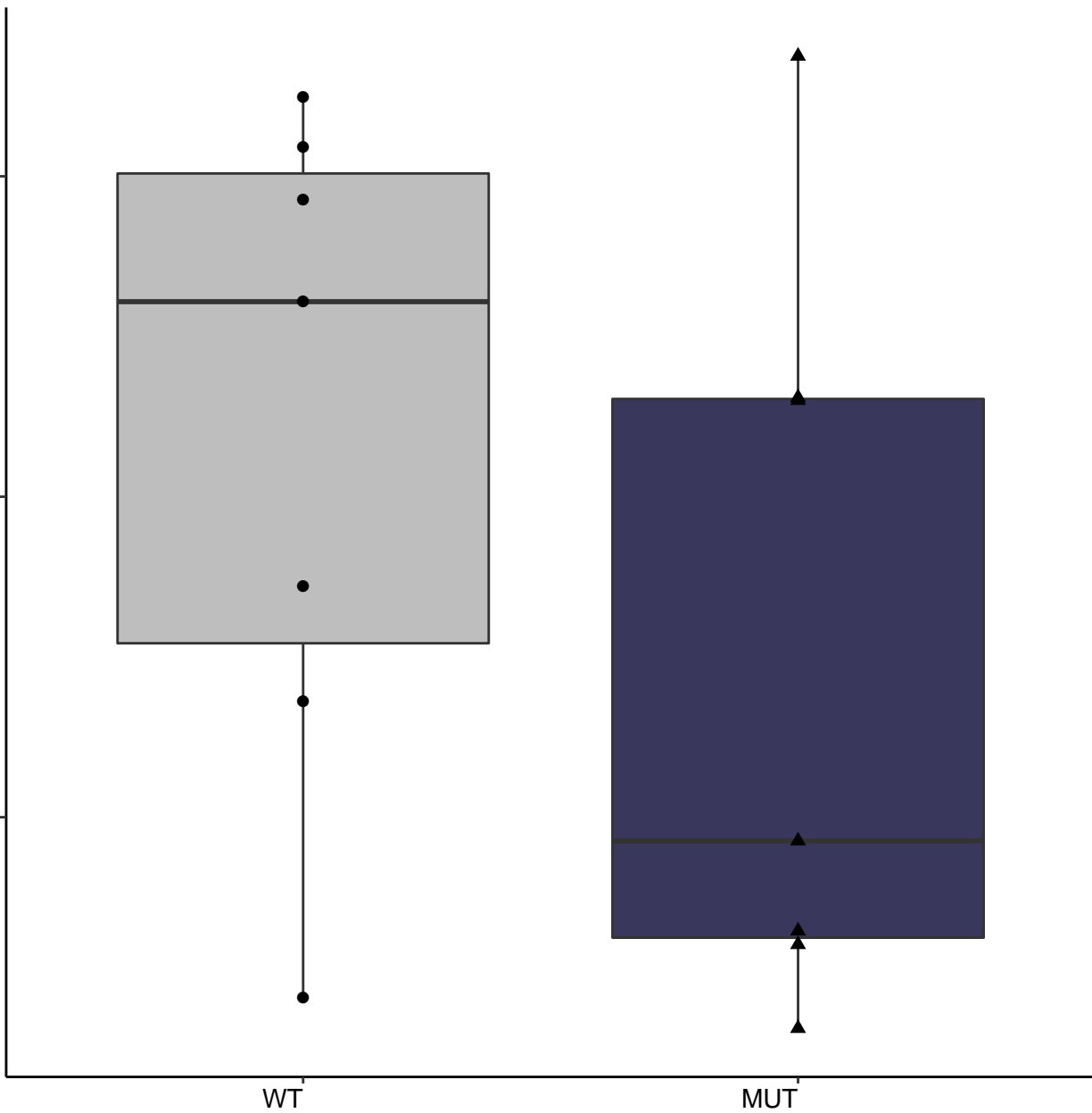
9.06

9.04

WT

Genotype

MUT



M67

Log2(Adjusted Module Intensity)

14.550

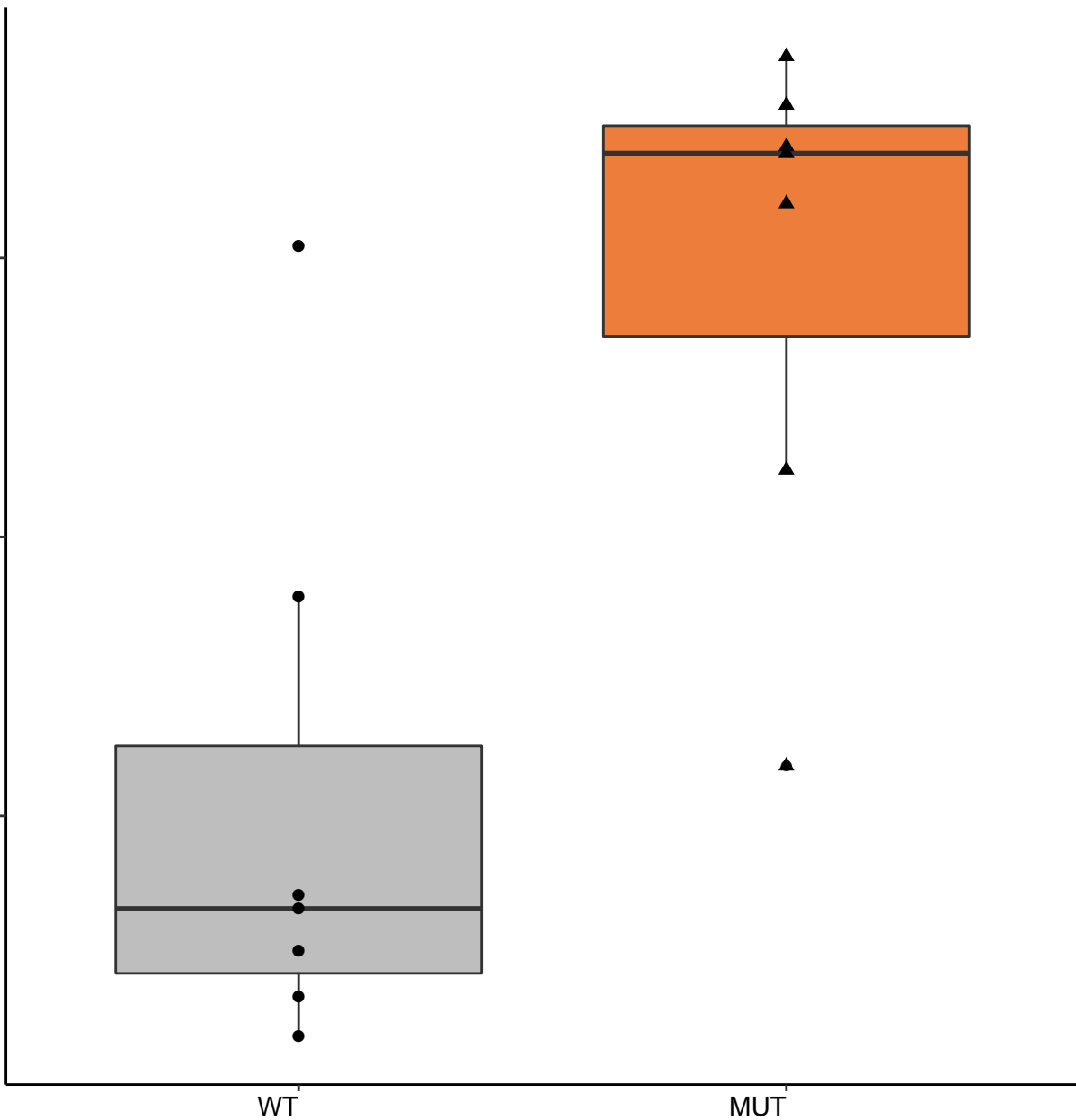
14.525

14.500

WT

Genotype

MUT



M68

Log2(Adjusted Module Intensity)

13.76

13.74

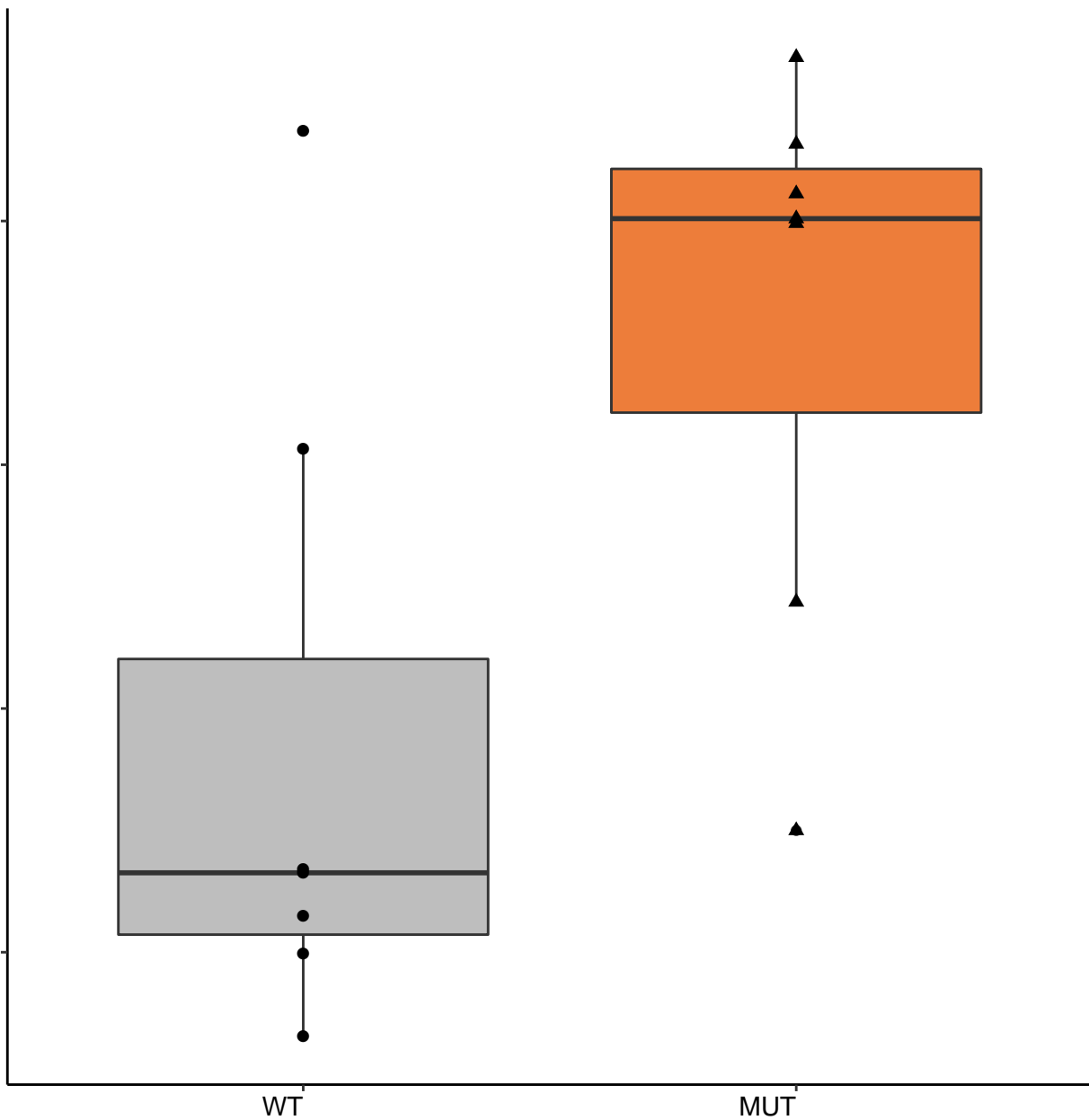
13.72

13.70

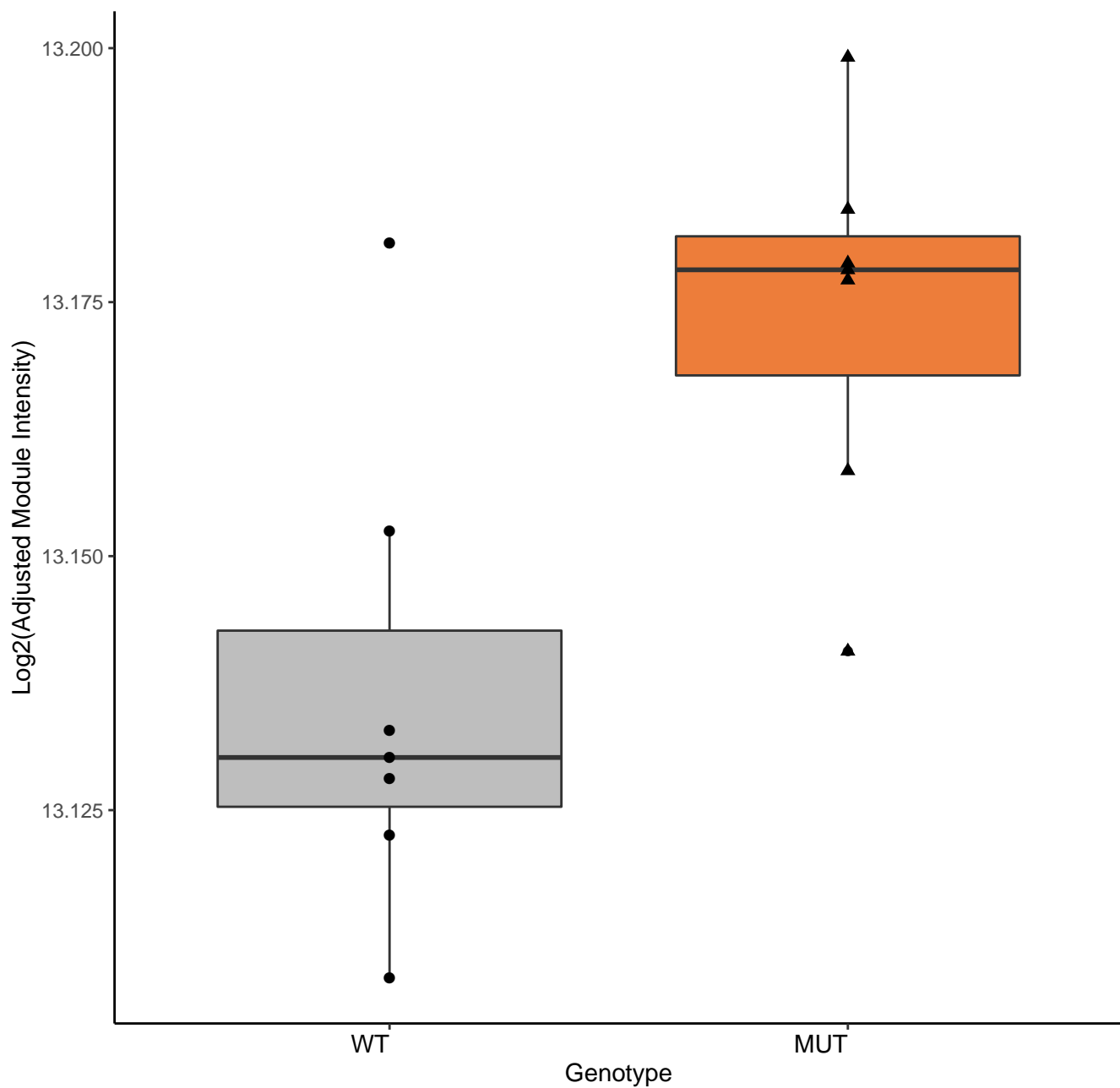
WT

Genotype

MUT



M69



M70

Log2(Adjusted Module Intensity)

13.10

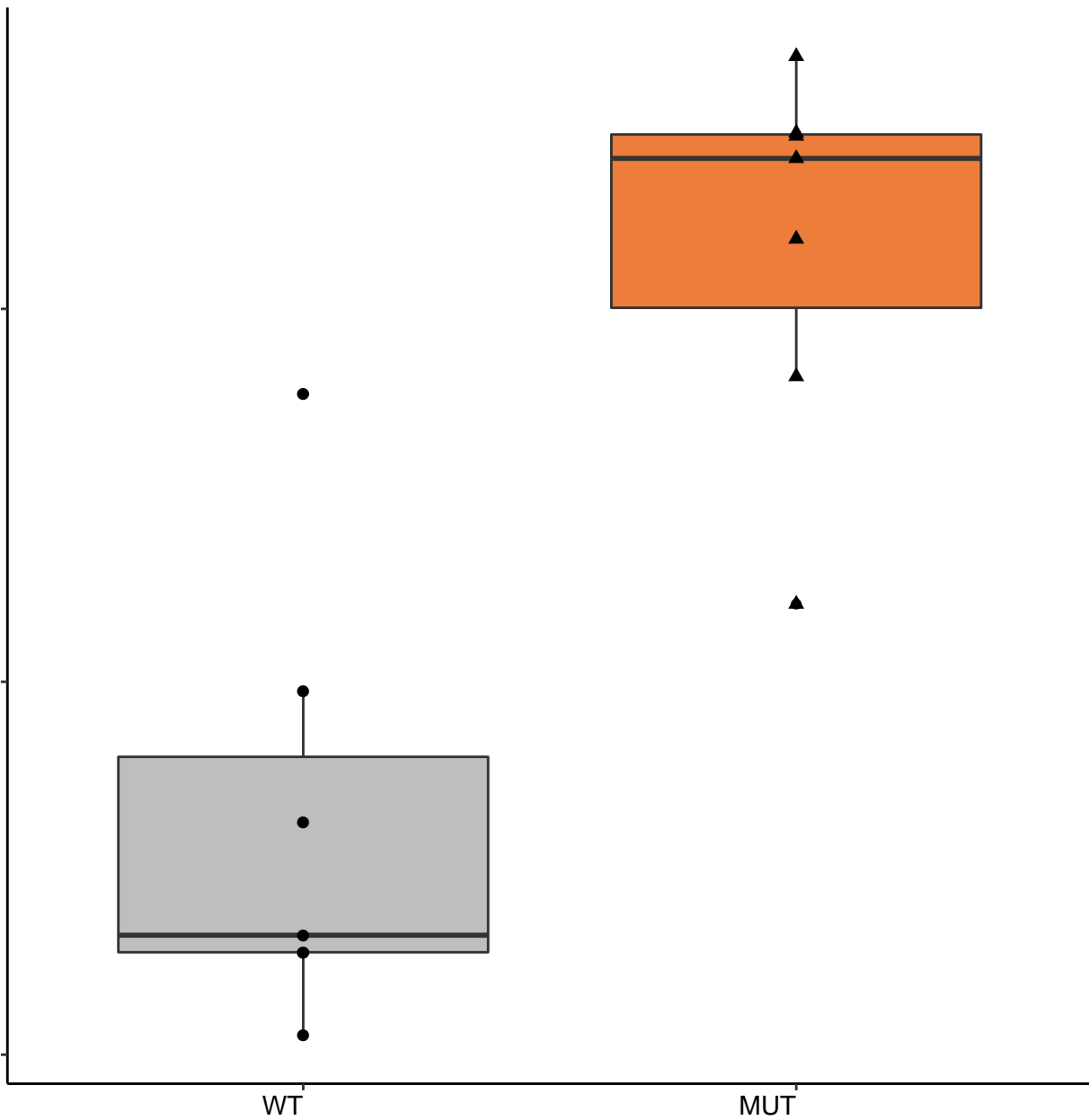
13.05

13.00

WT

MUT

Genotype



M71

Log2(Adjusted Module Intensity)

12.125

12.100

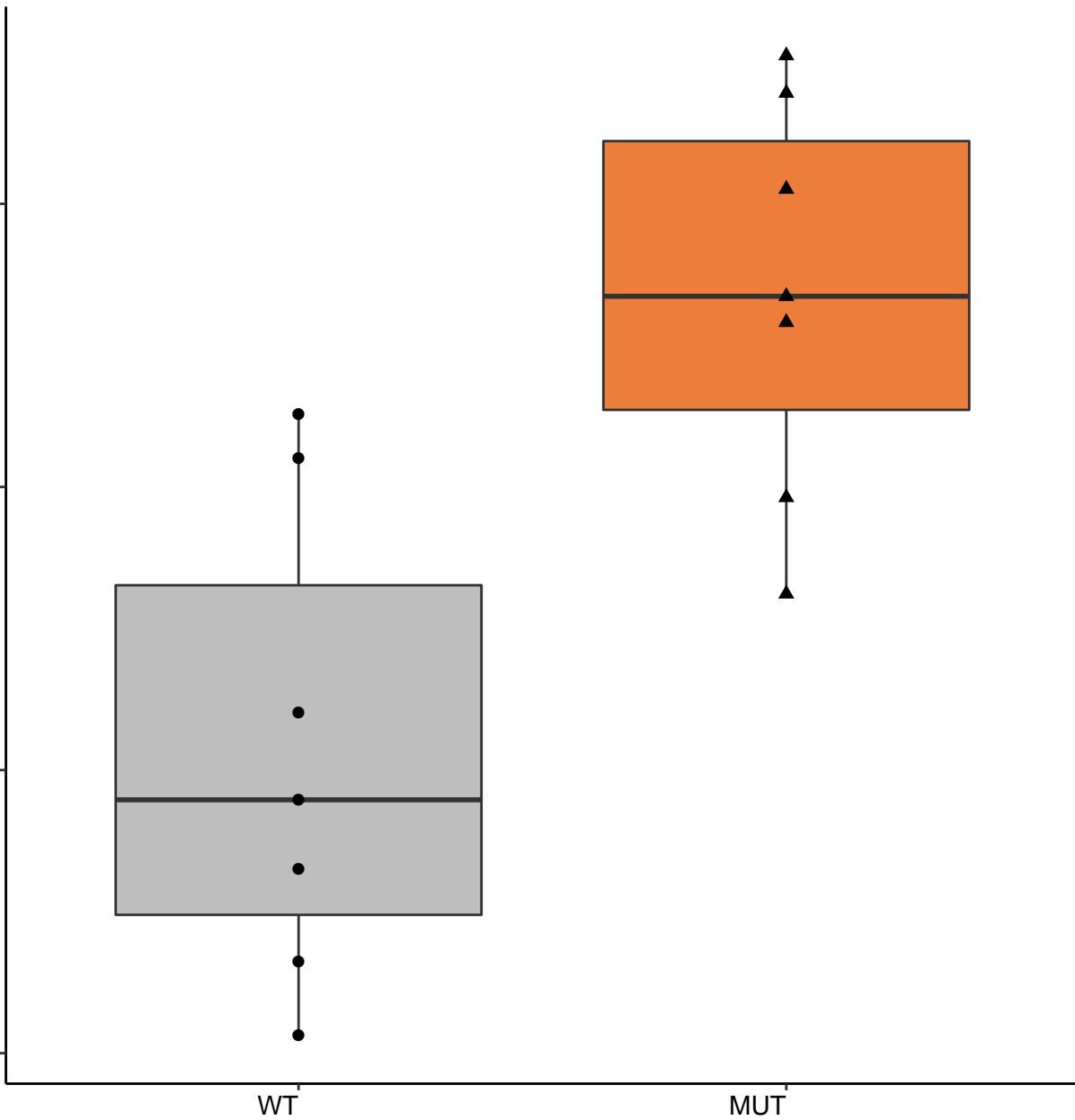
12.075

12.050

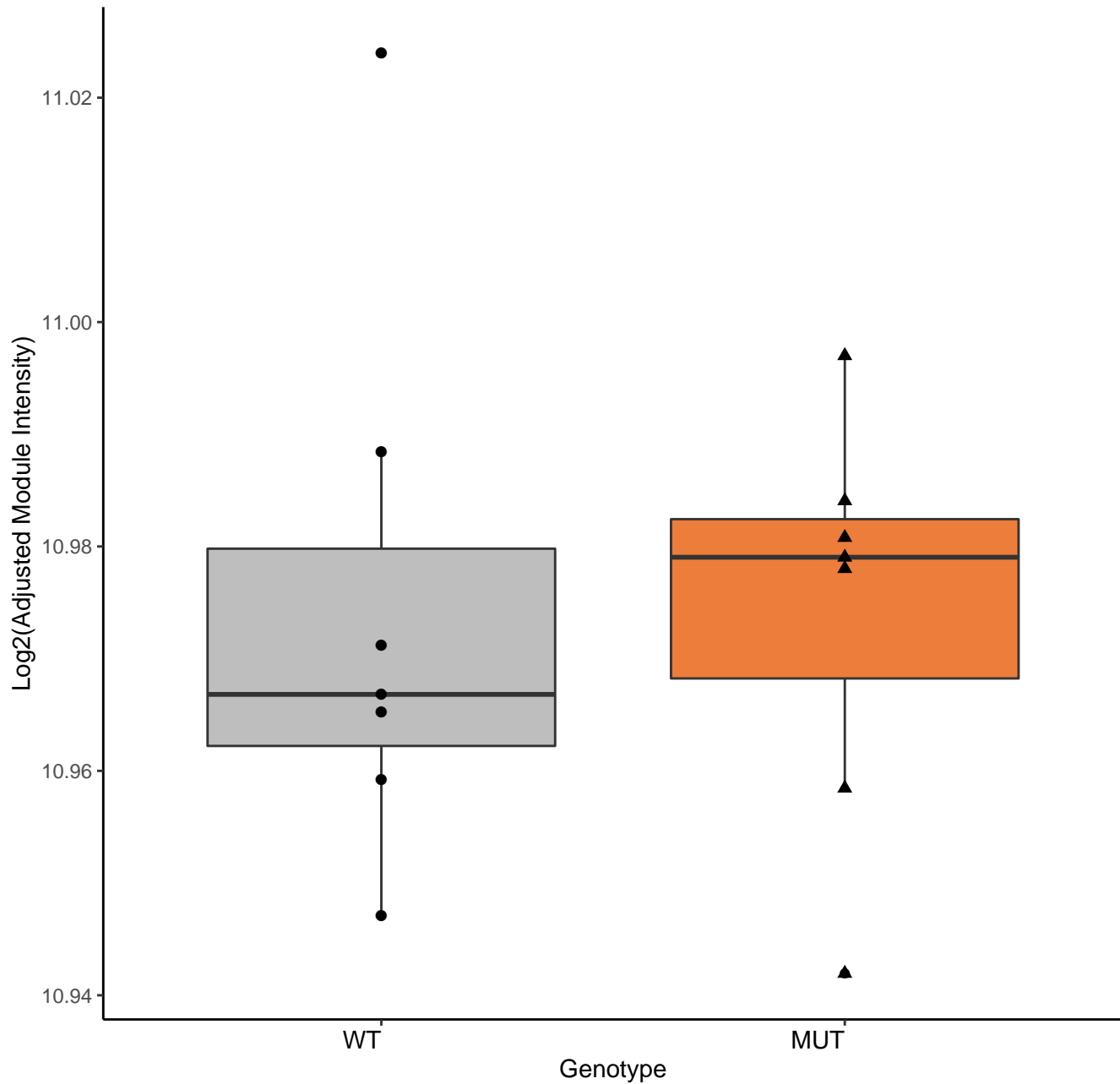
WT

Genotype

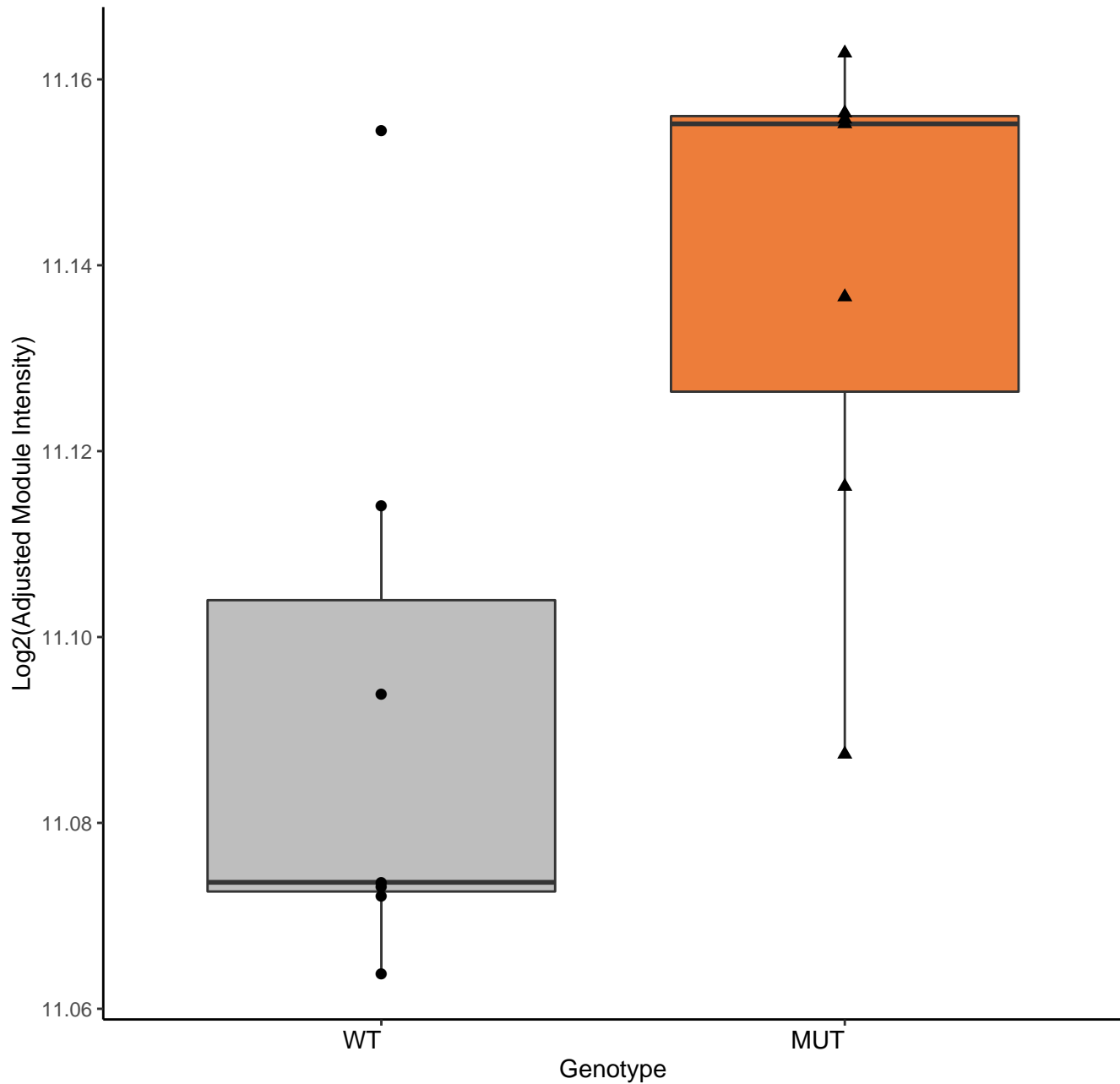
MUT



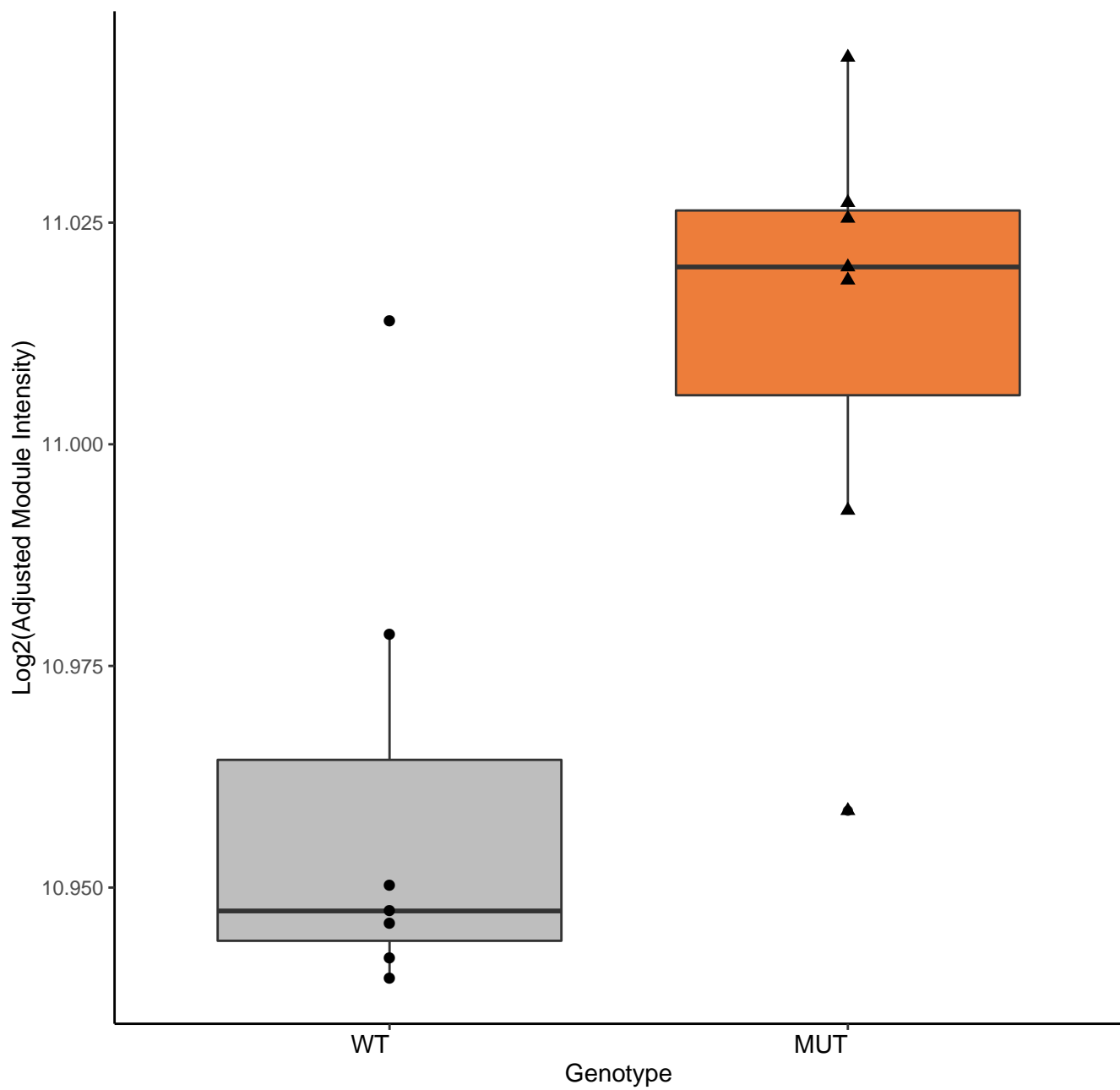
M72



M73

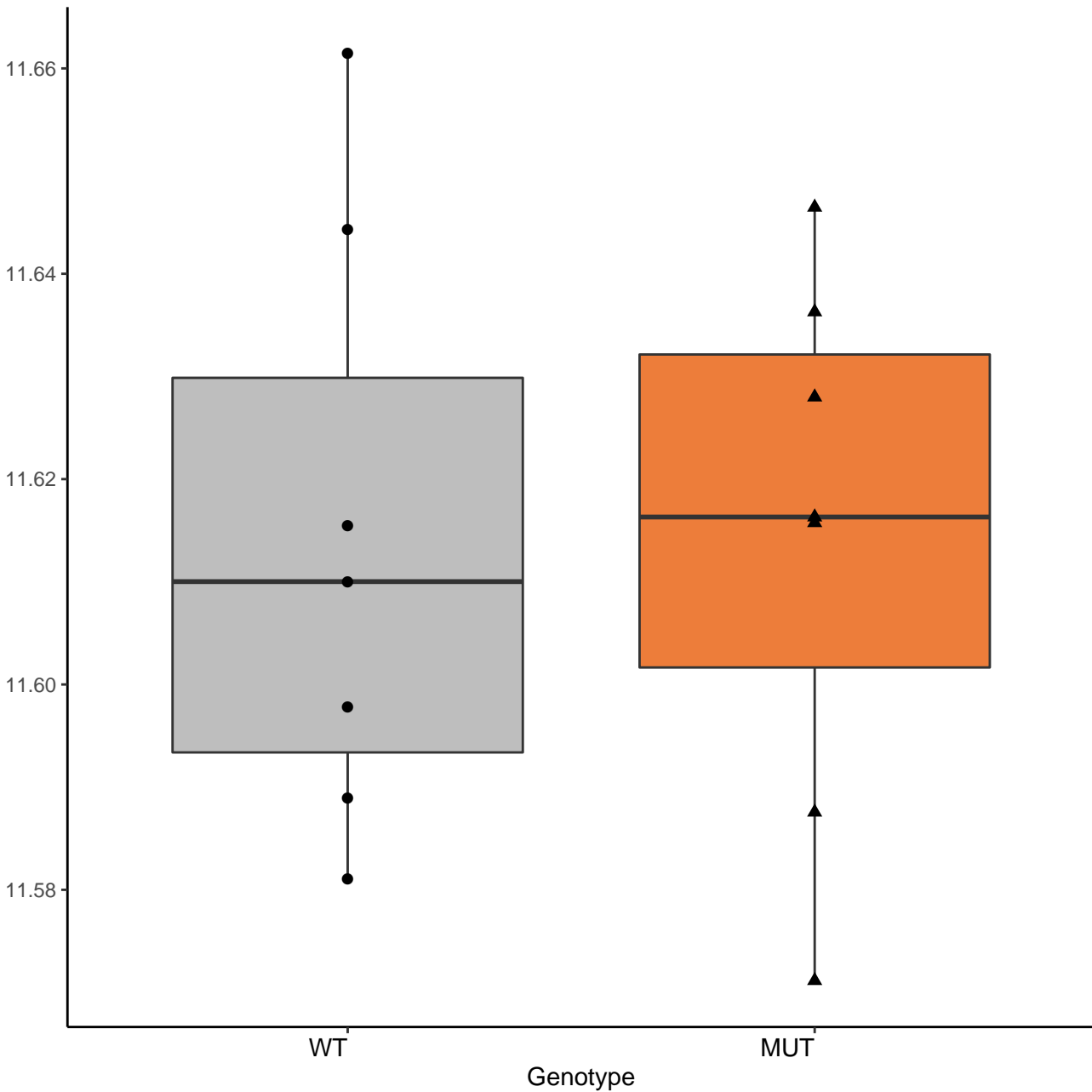


M74

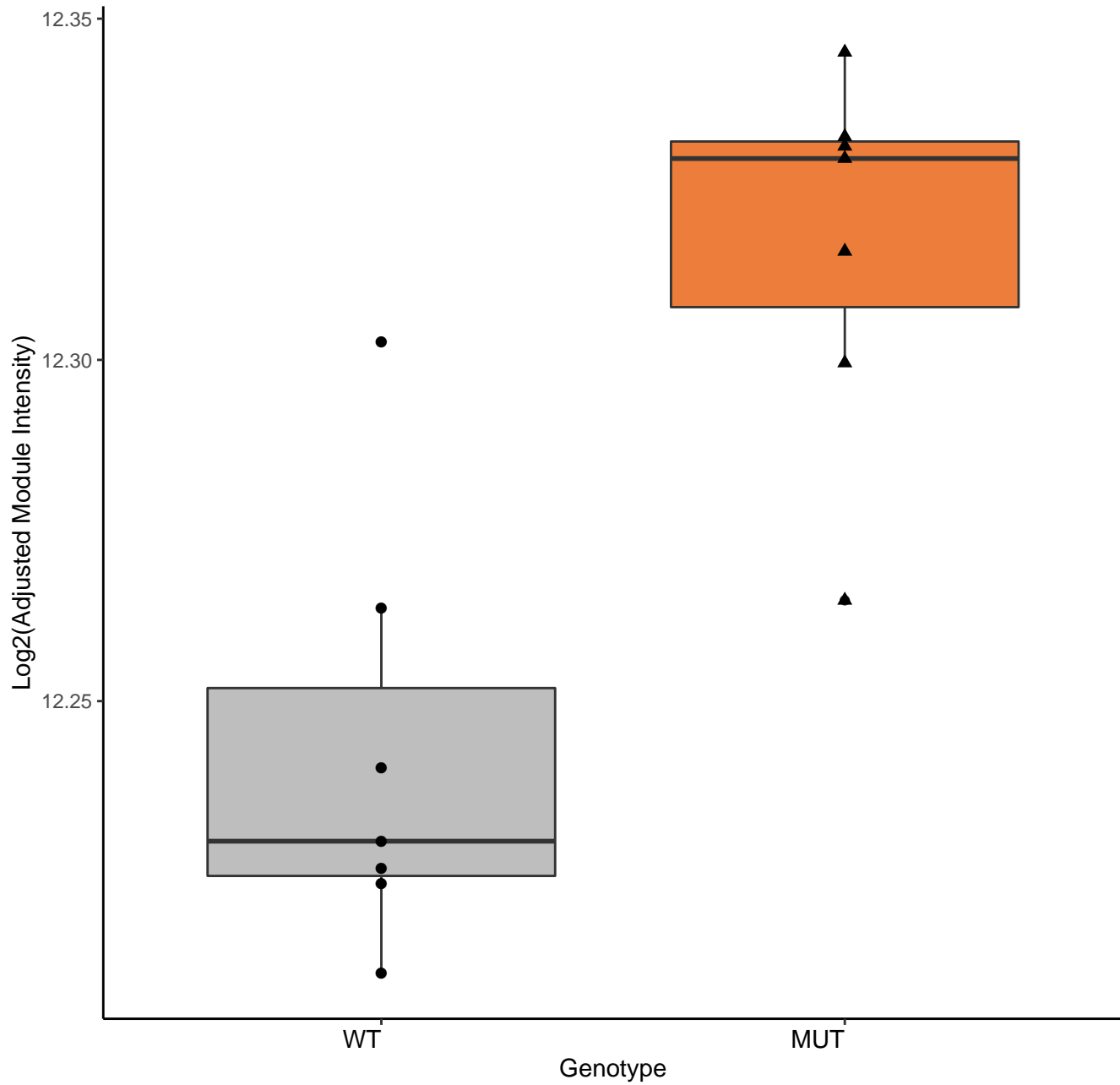


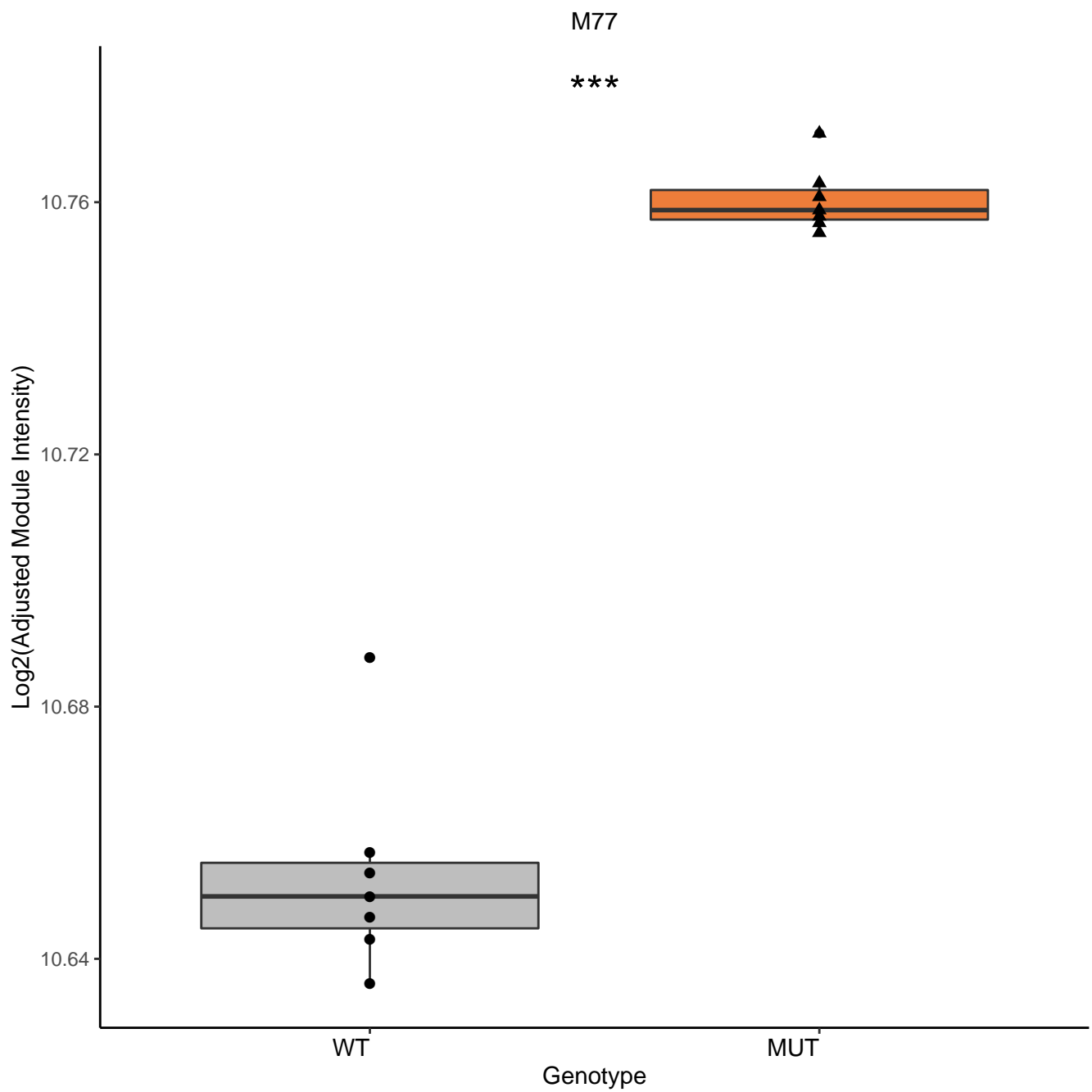
M75

Log2(Adjusted Module Intensity)



M76





M78

Log2(Adjusted Module Intensity)

10.98

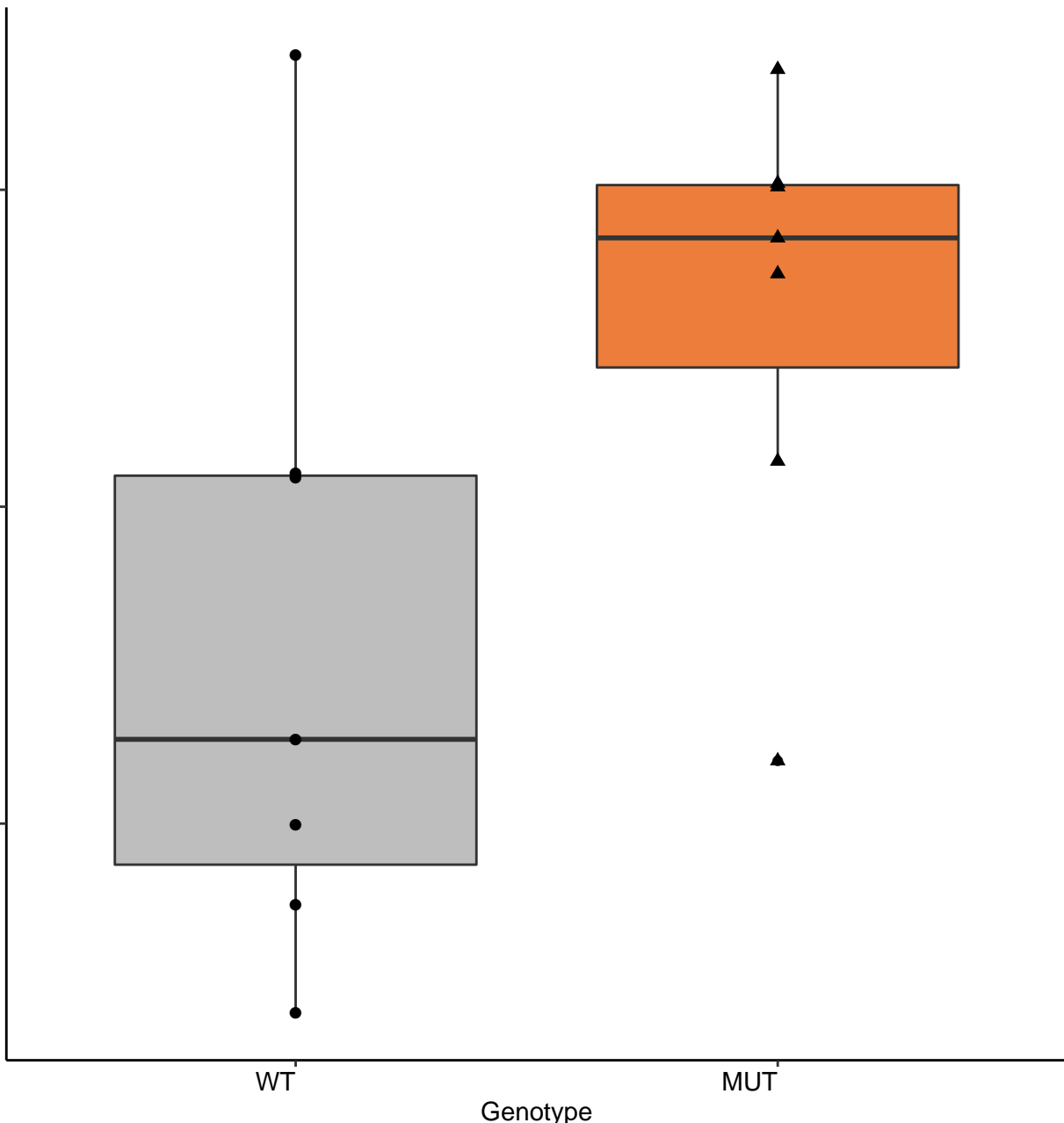
10.96

10.94

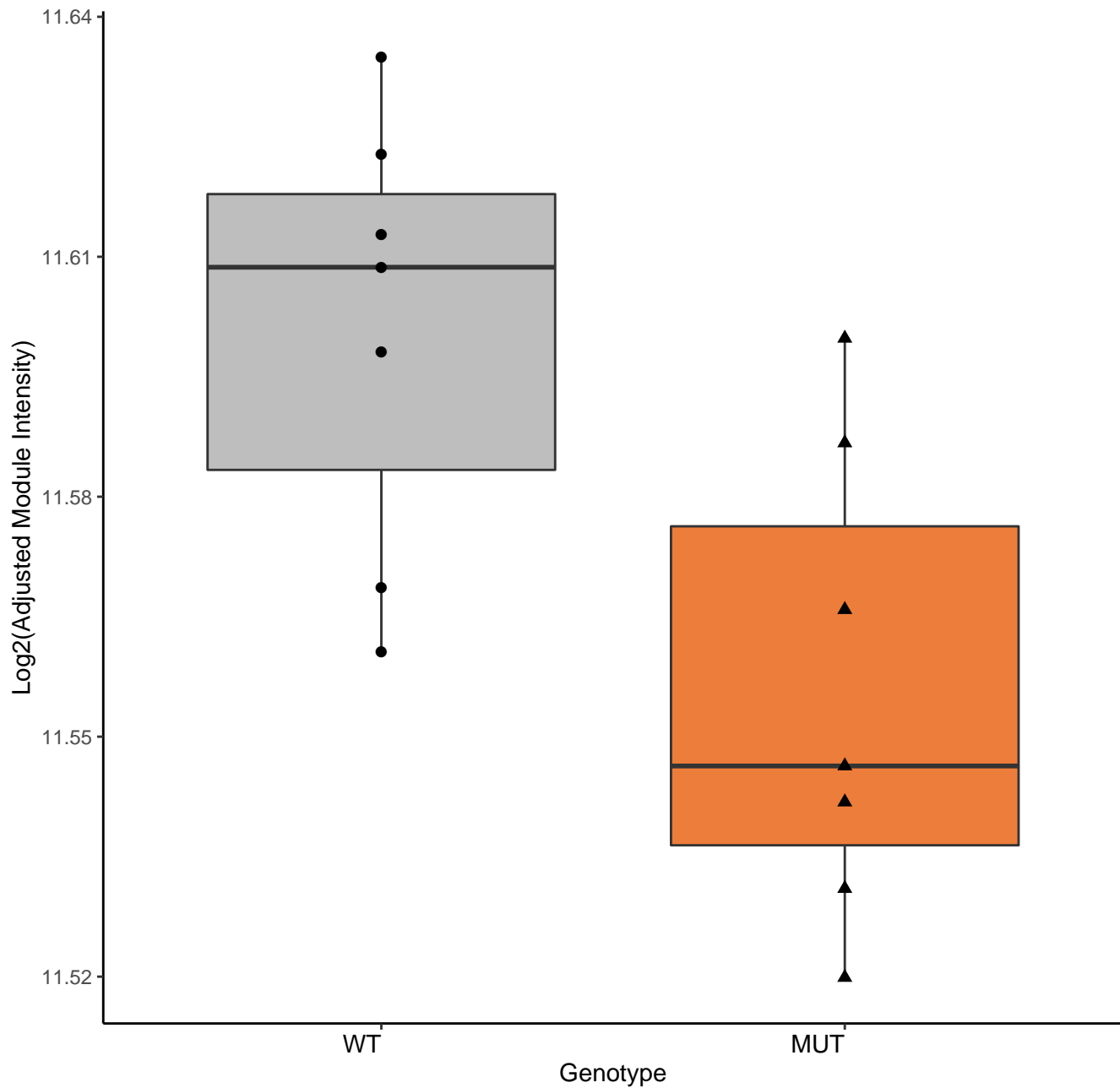
WT

Genotype

MUT



M79



M80

Log2(Adjusted Module Intensity)

9.55

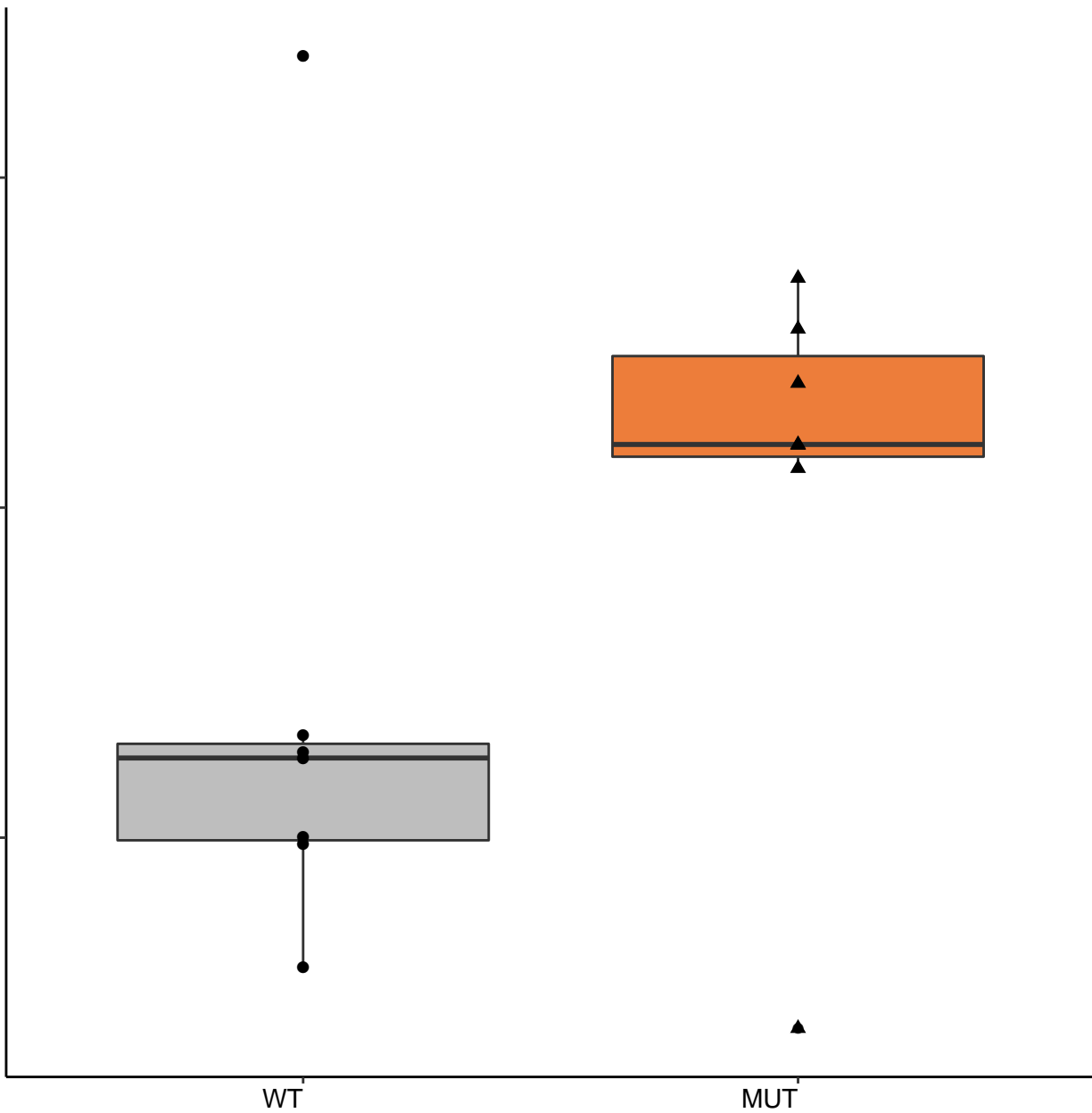
9.50

9.45

WT

Genotype

MUT



M81

Log2(Adjusted Module Intensity)

9.75

9.70

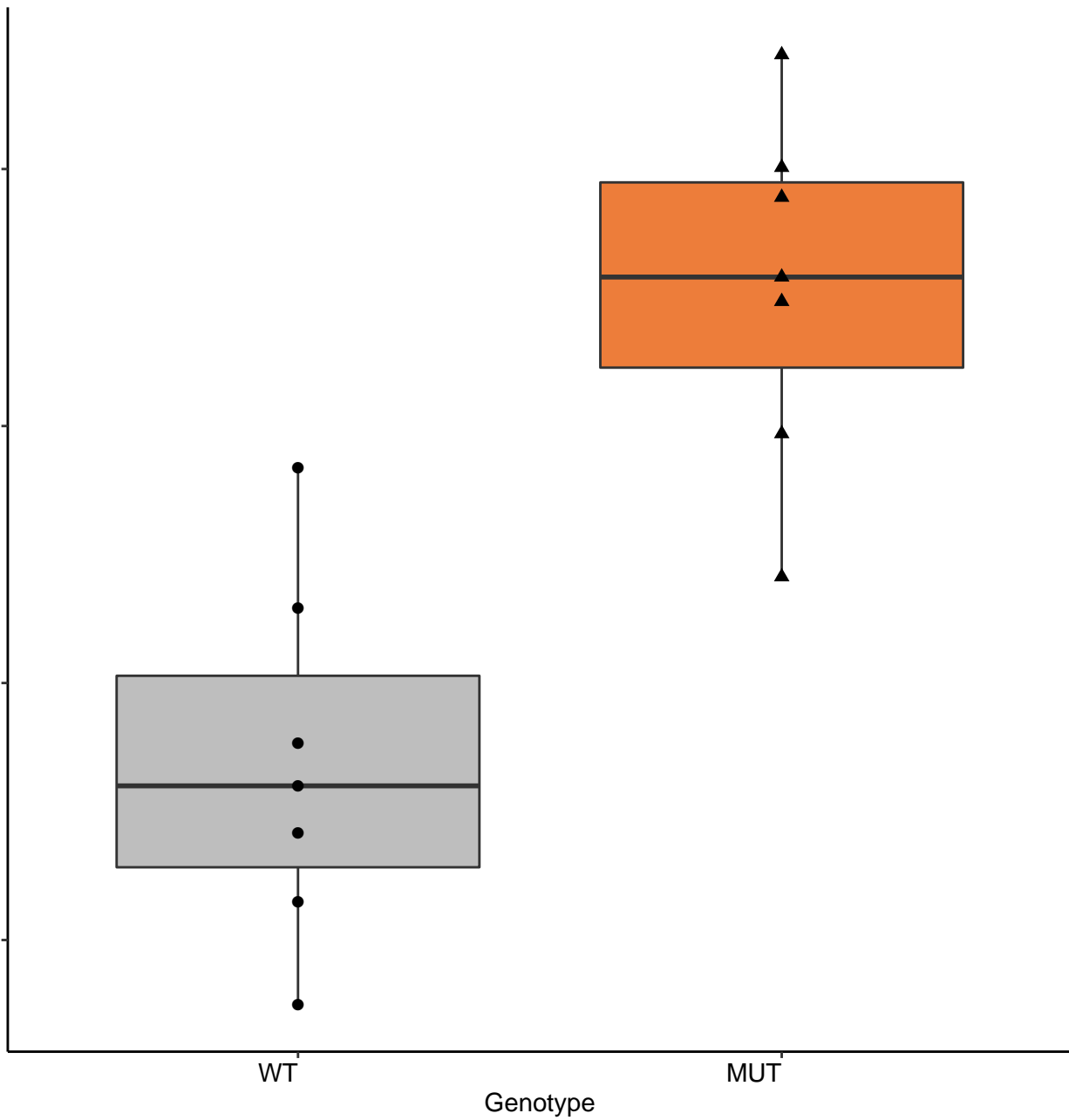
9.65

9.60

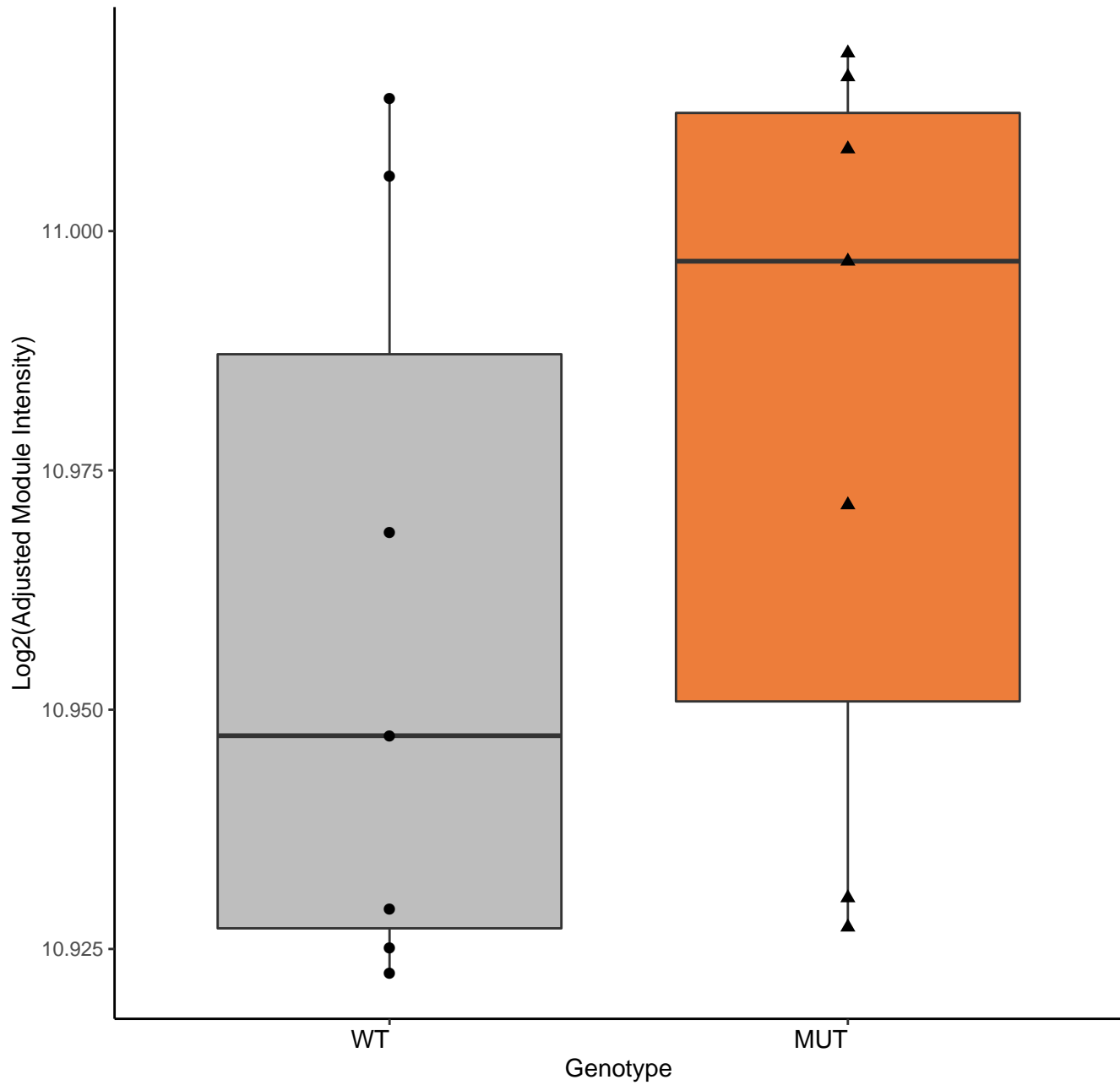
WT

MUT

Genotype



M82



M83

Log2(Adjusted Module Intensity)

15.20

15.15

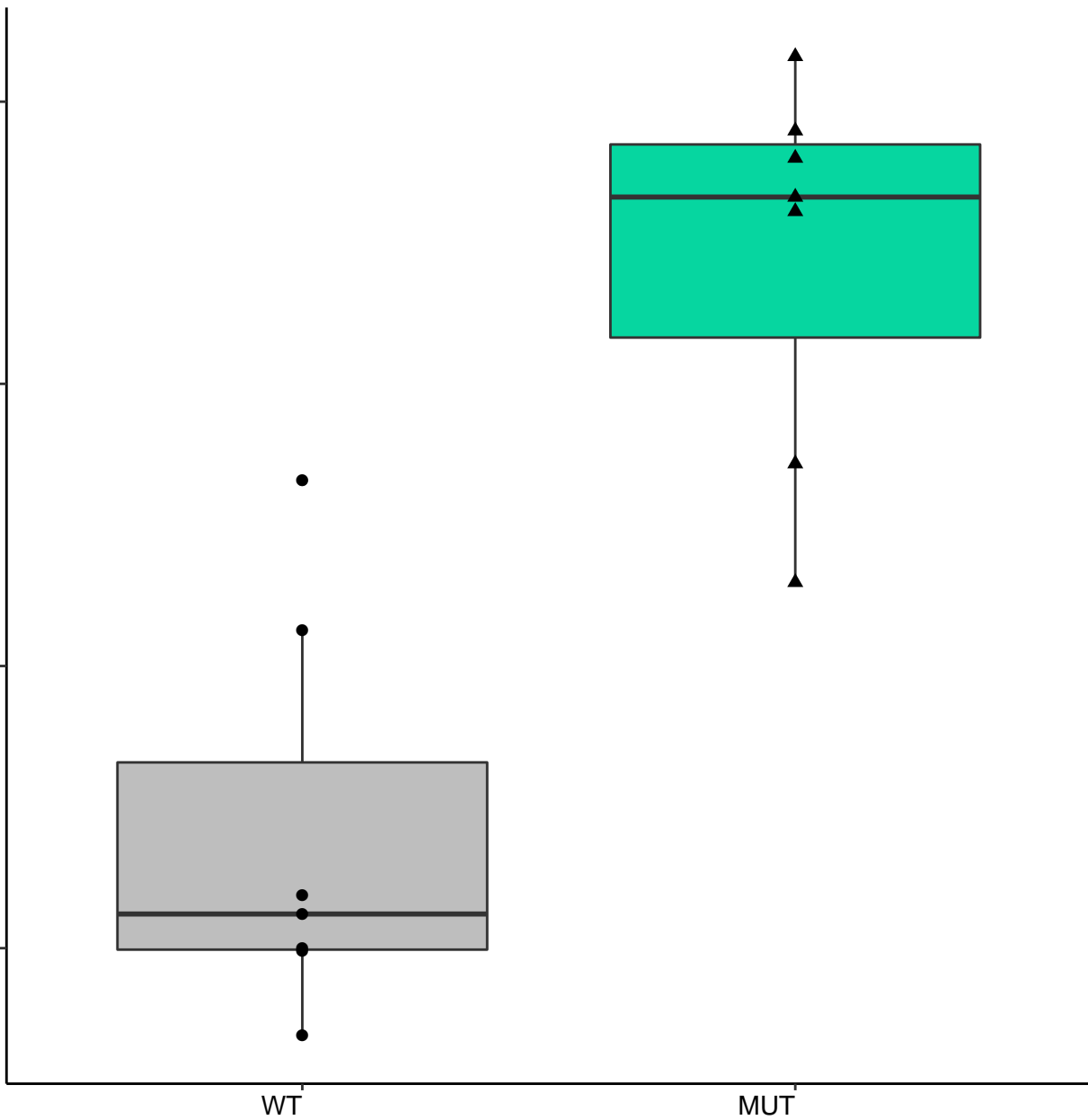
15.10

15.05

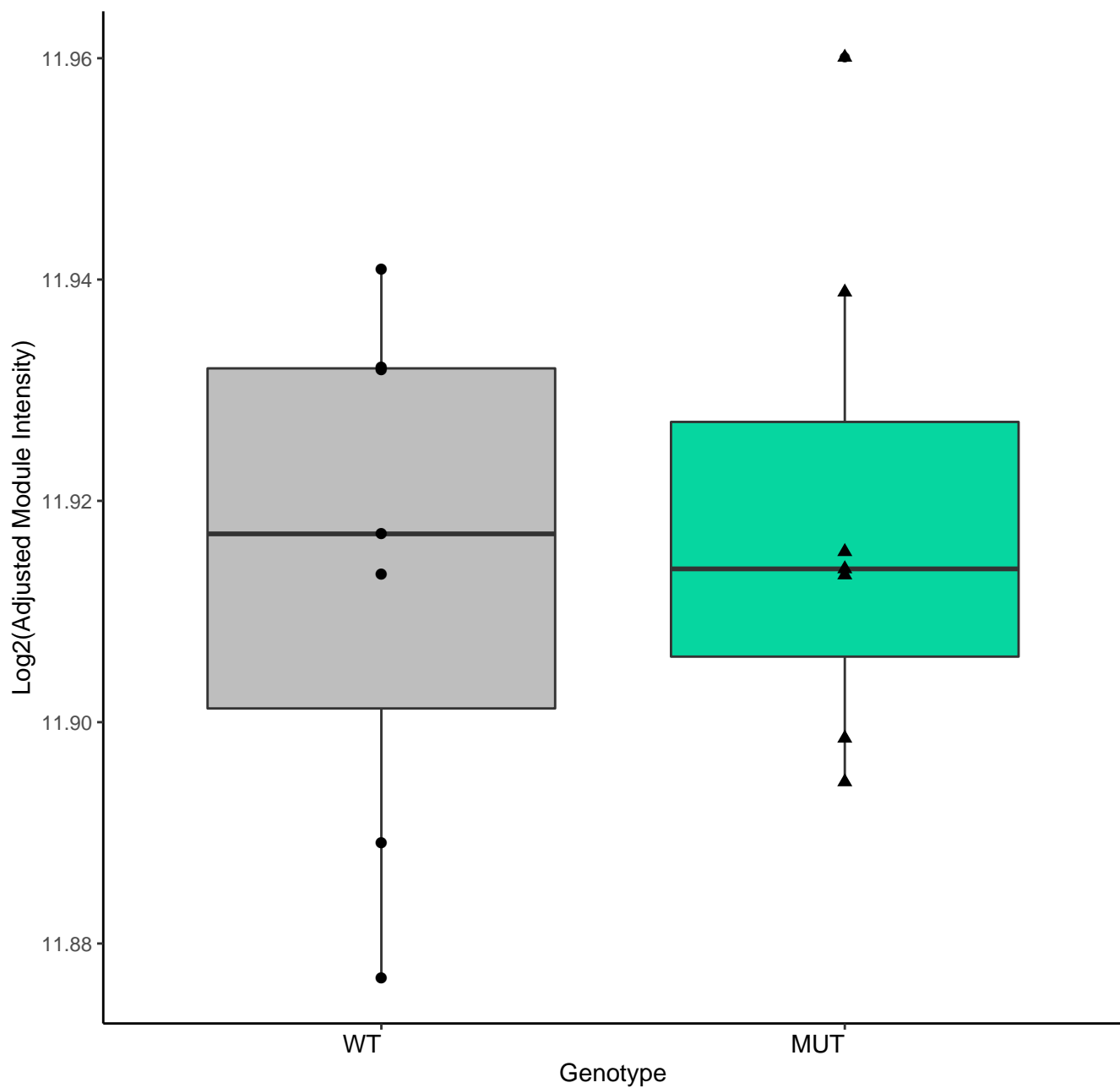
WT

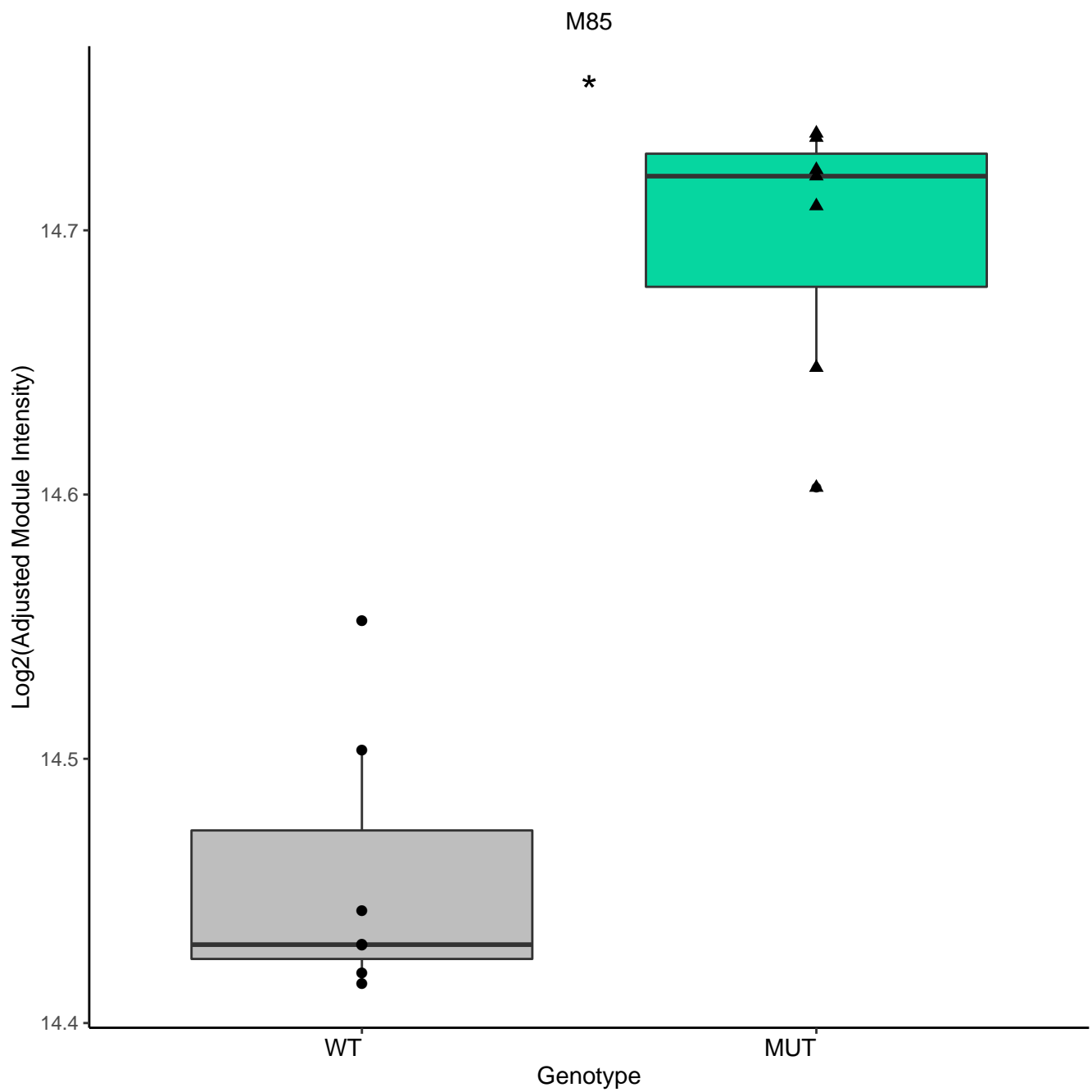
Genotype

MUT



M84





M86

Log2(Adjusted Module Intensity)

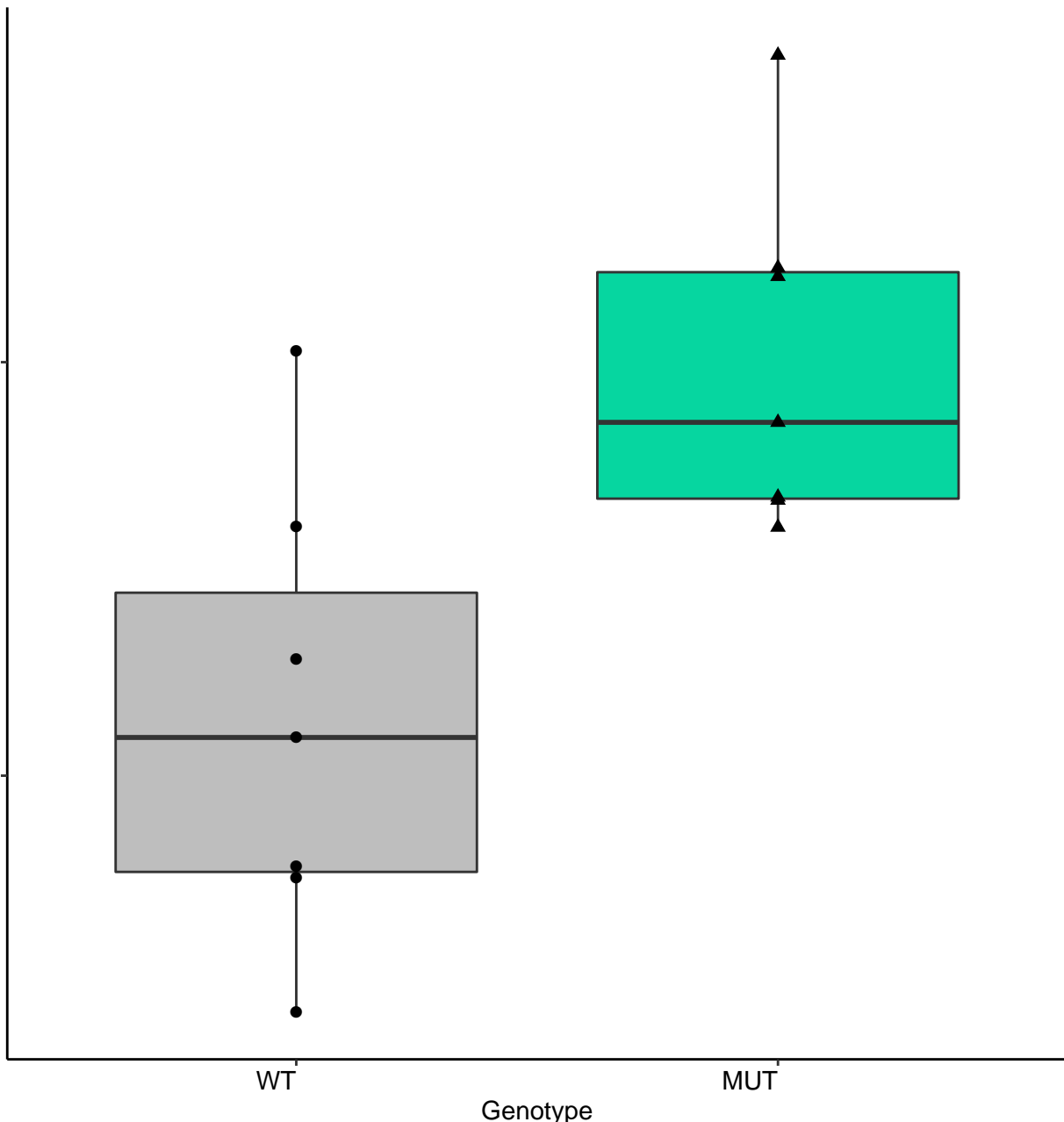
11.55

11.50

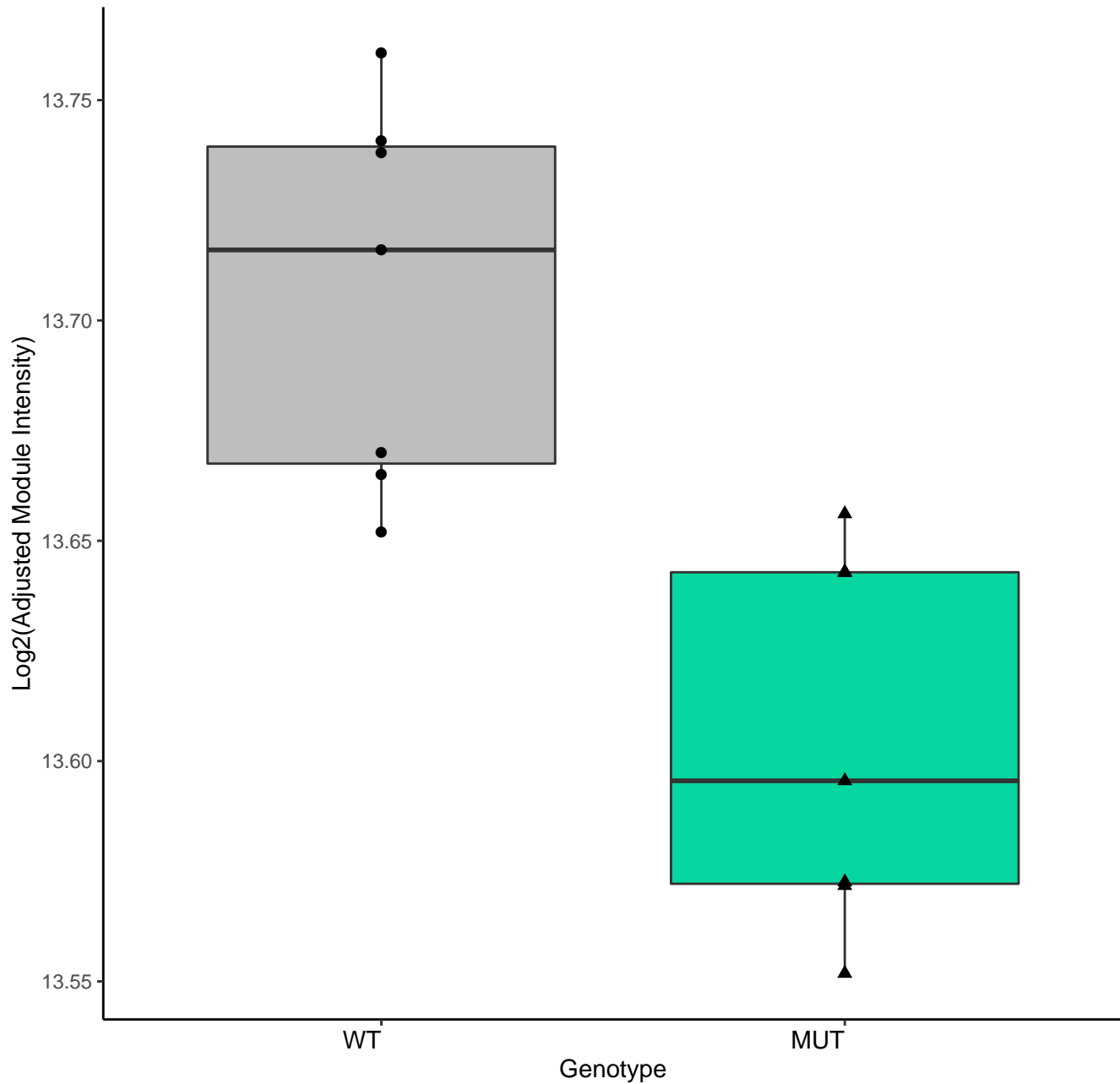
WT

Genotype

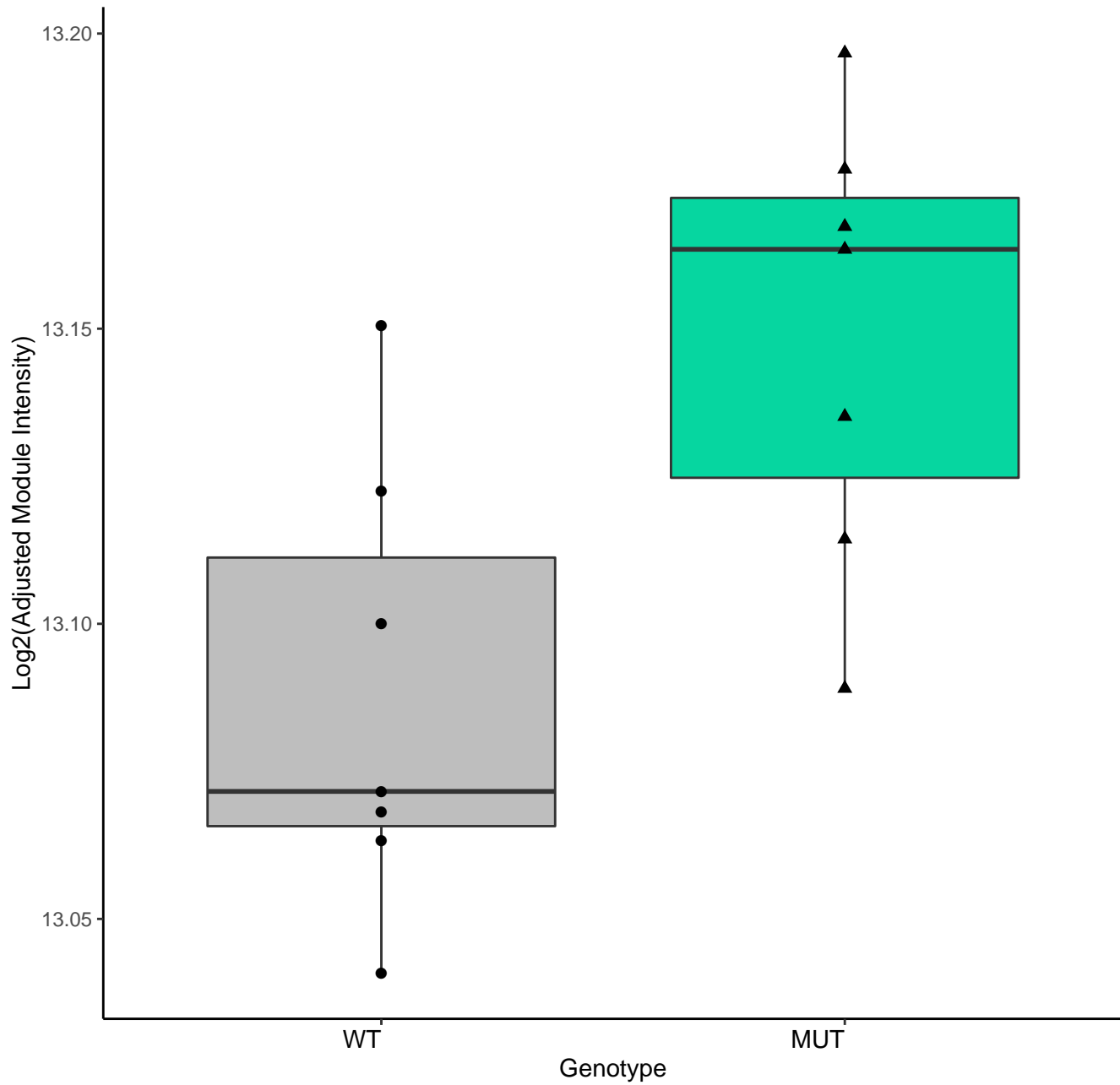
MUT



M87



M88



M89

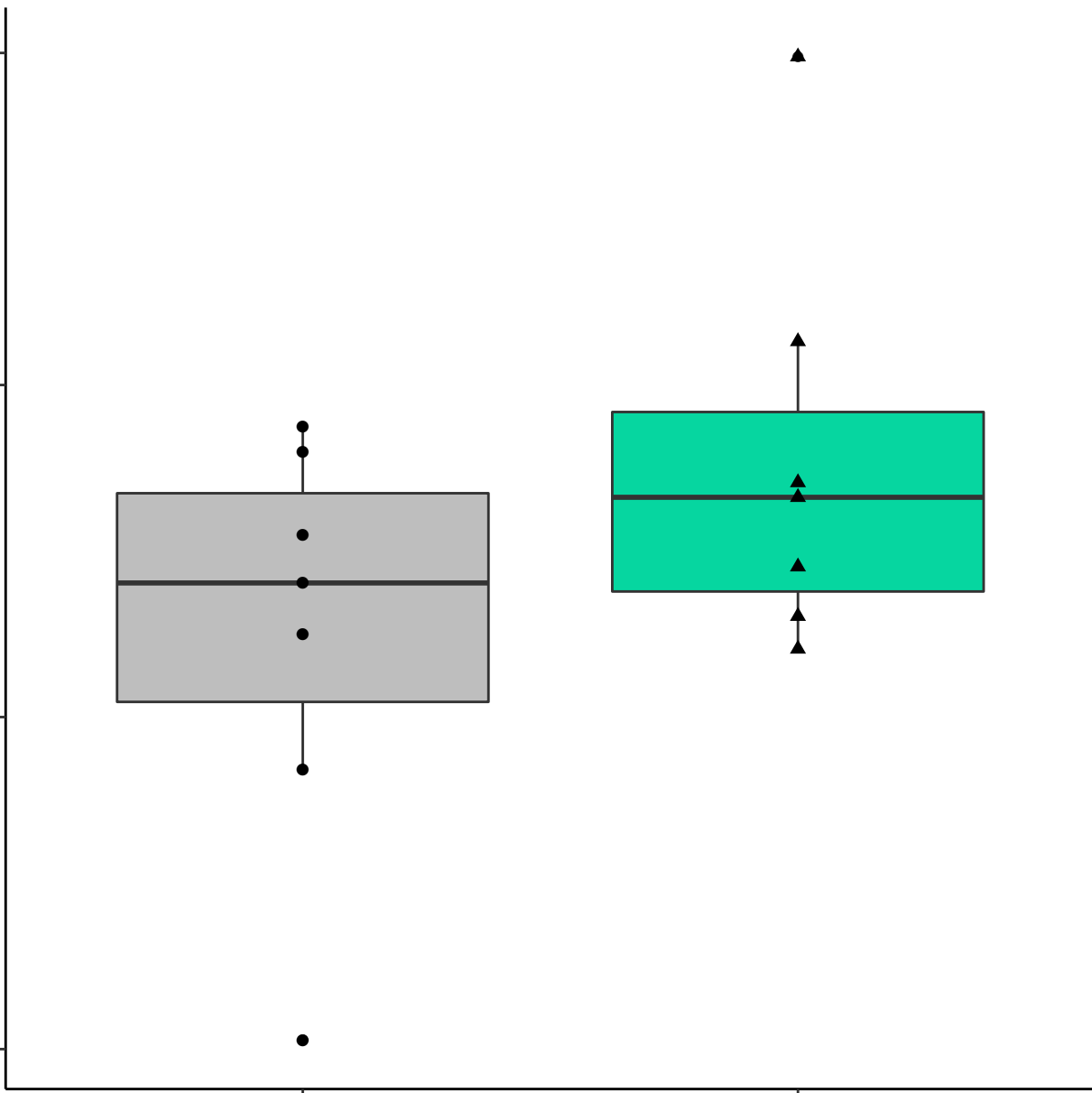
Log2(Adjusted Module Intensity)

11.96
11.92
11.88
11.84

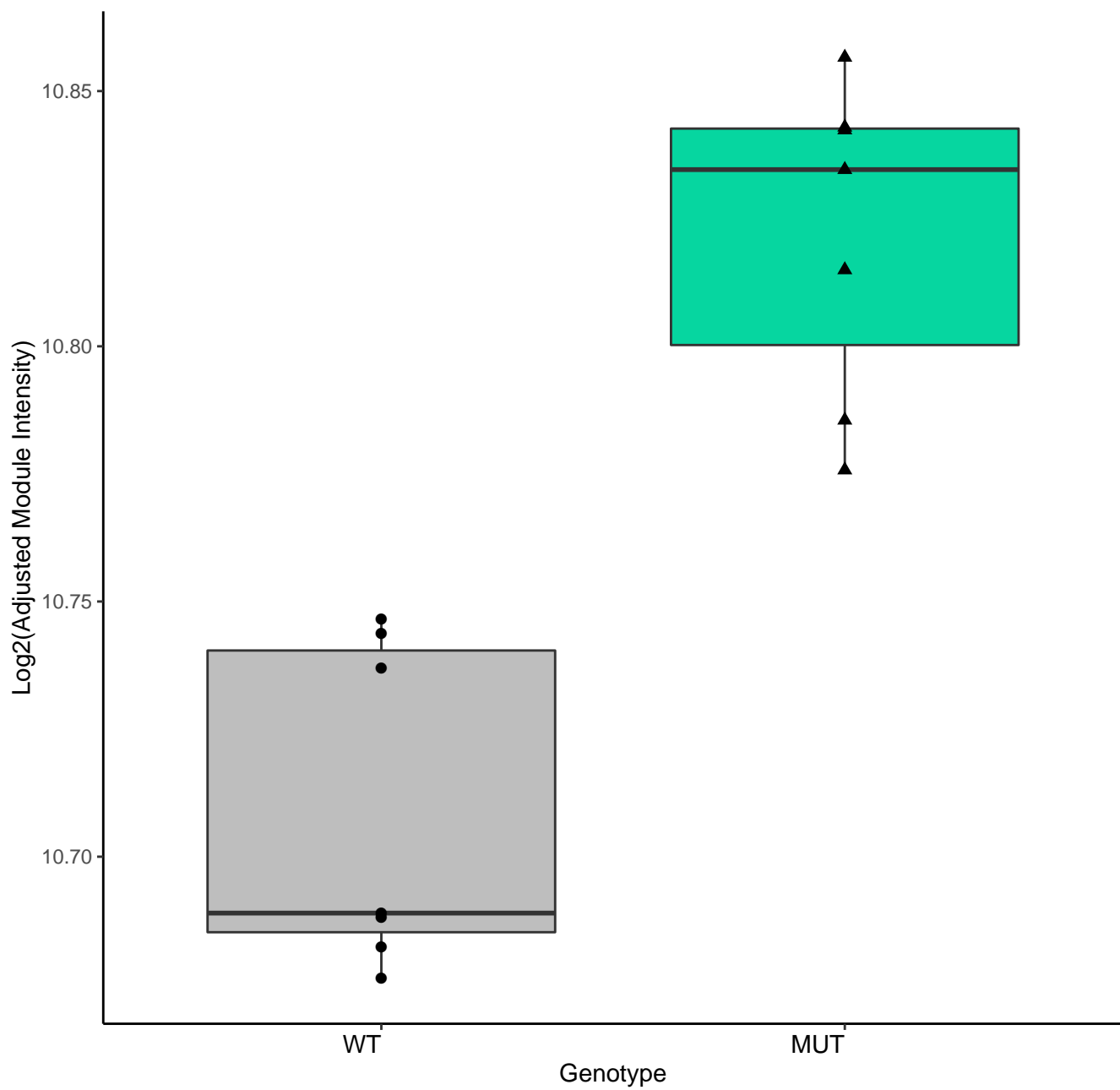
WT

Genotype

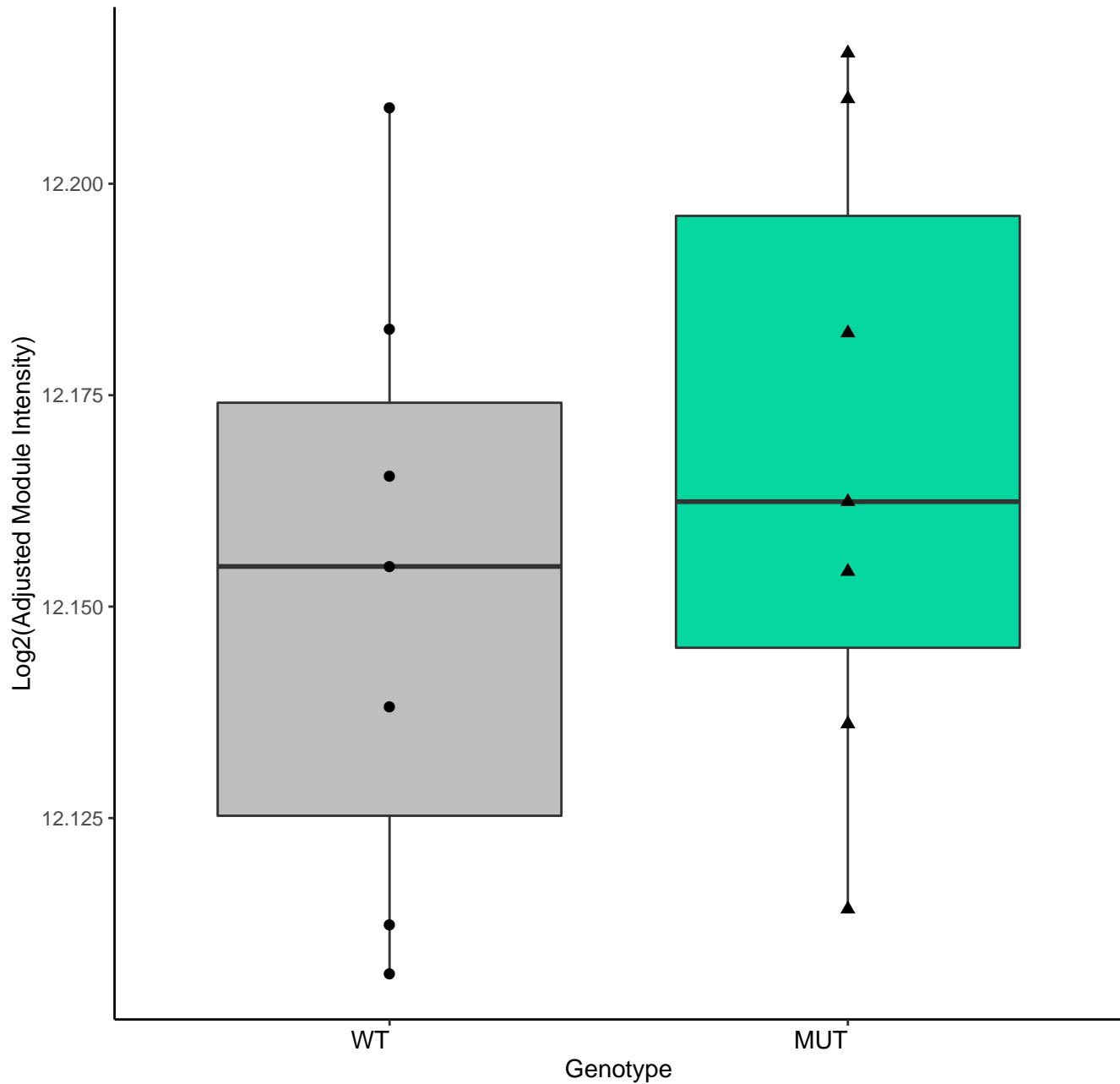
MUT



M90



M91



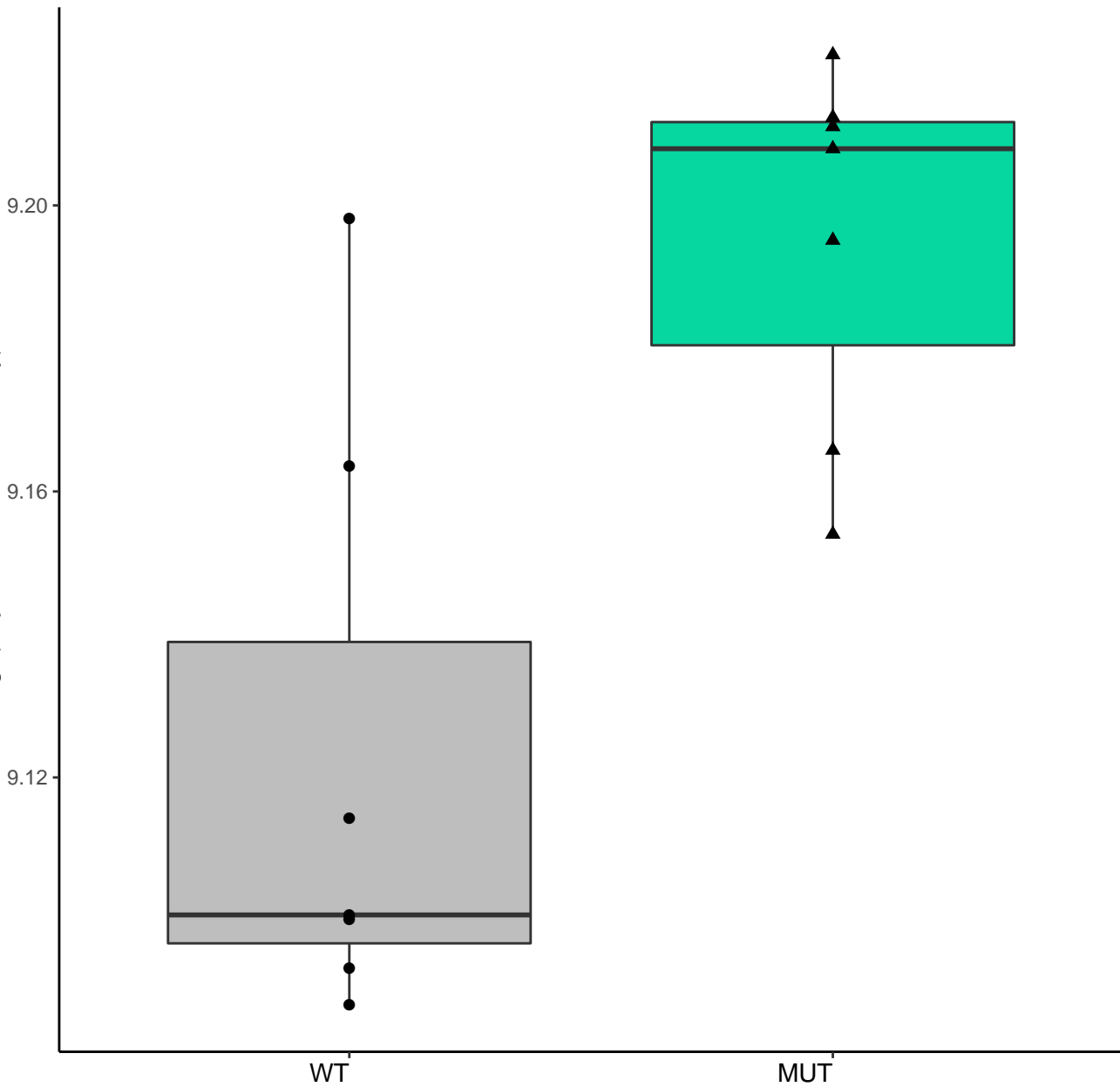
M92

Log2(Adjusted Module Intensity)

WT

MUT

Genotype



M93

Log2(Adjusted Module Intensity)

10.04

10.02

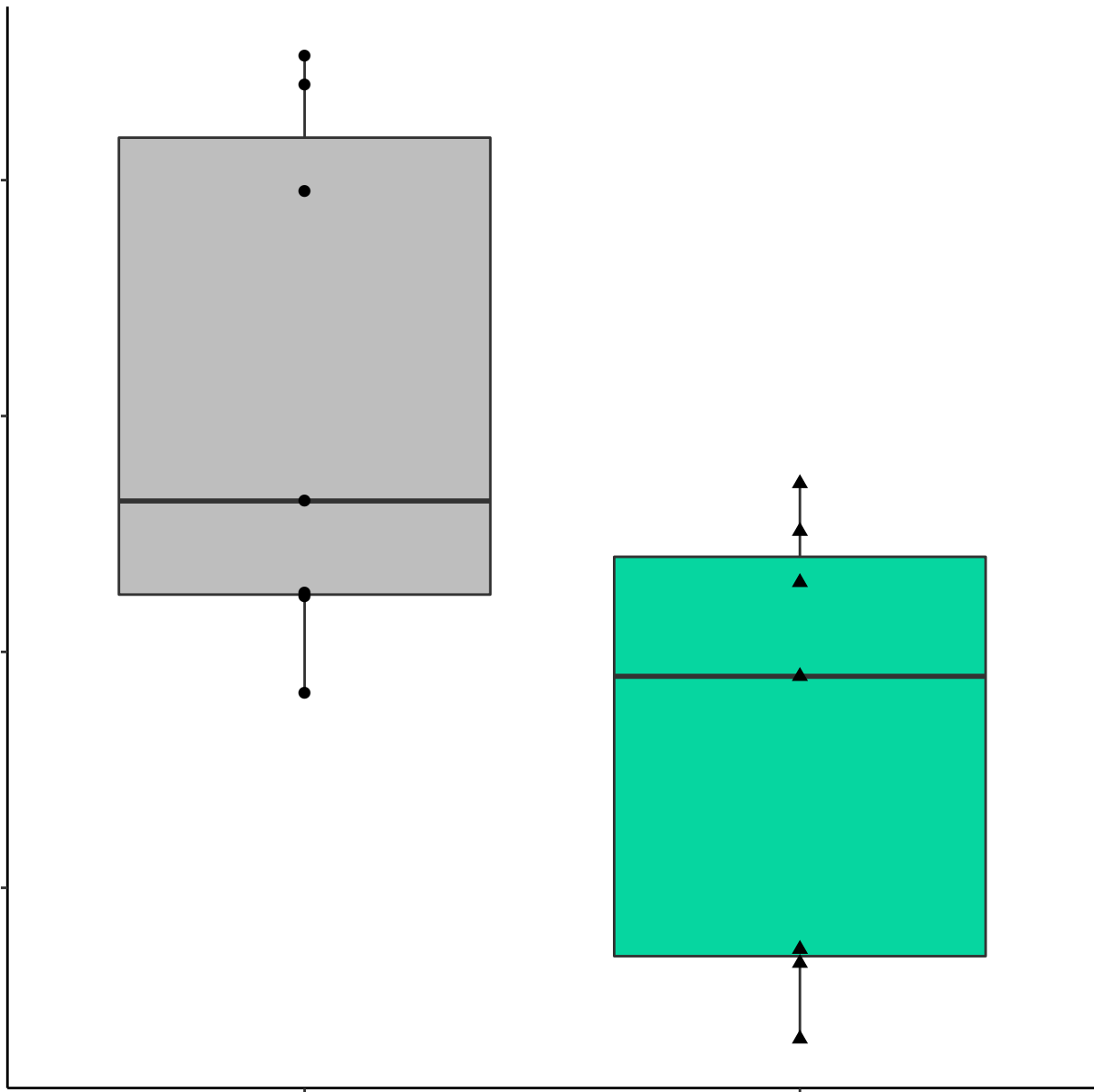
10.00

9.98

WT

Genotype

MUT



M94

Log2(Adjusted Module Intensity)

14.08

14.06

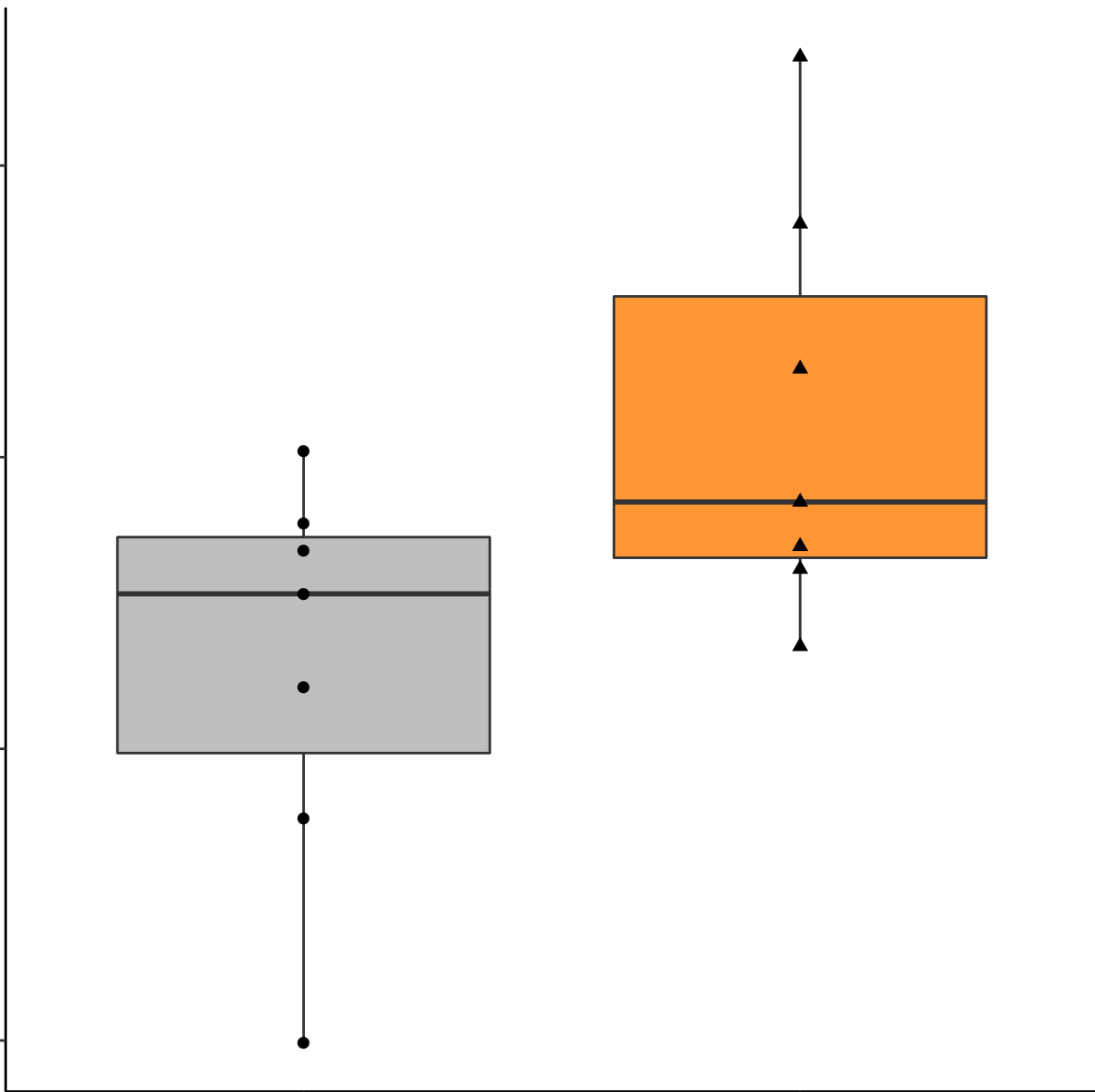
14.04

14.02

WT

Genotype

MUT



M95

Log2(Adjusted Module Intensity)

13.65

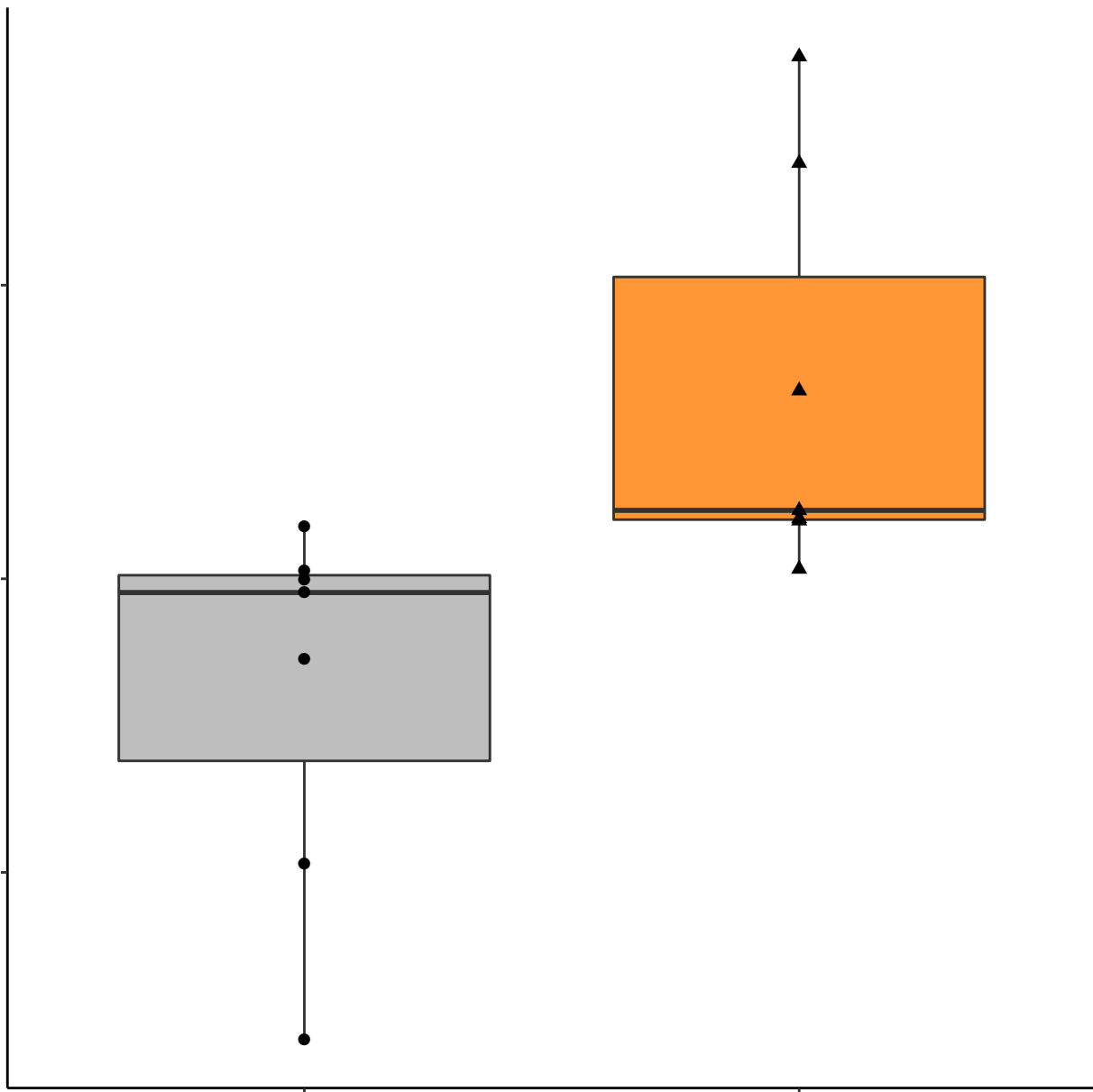
13.63

13.61

WT

MUT

Genotype



M96

Log2(Adjusted Module Intensity)

14.37

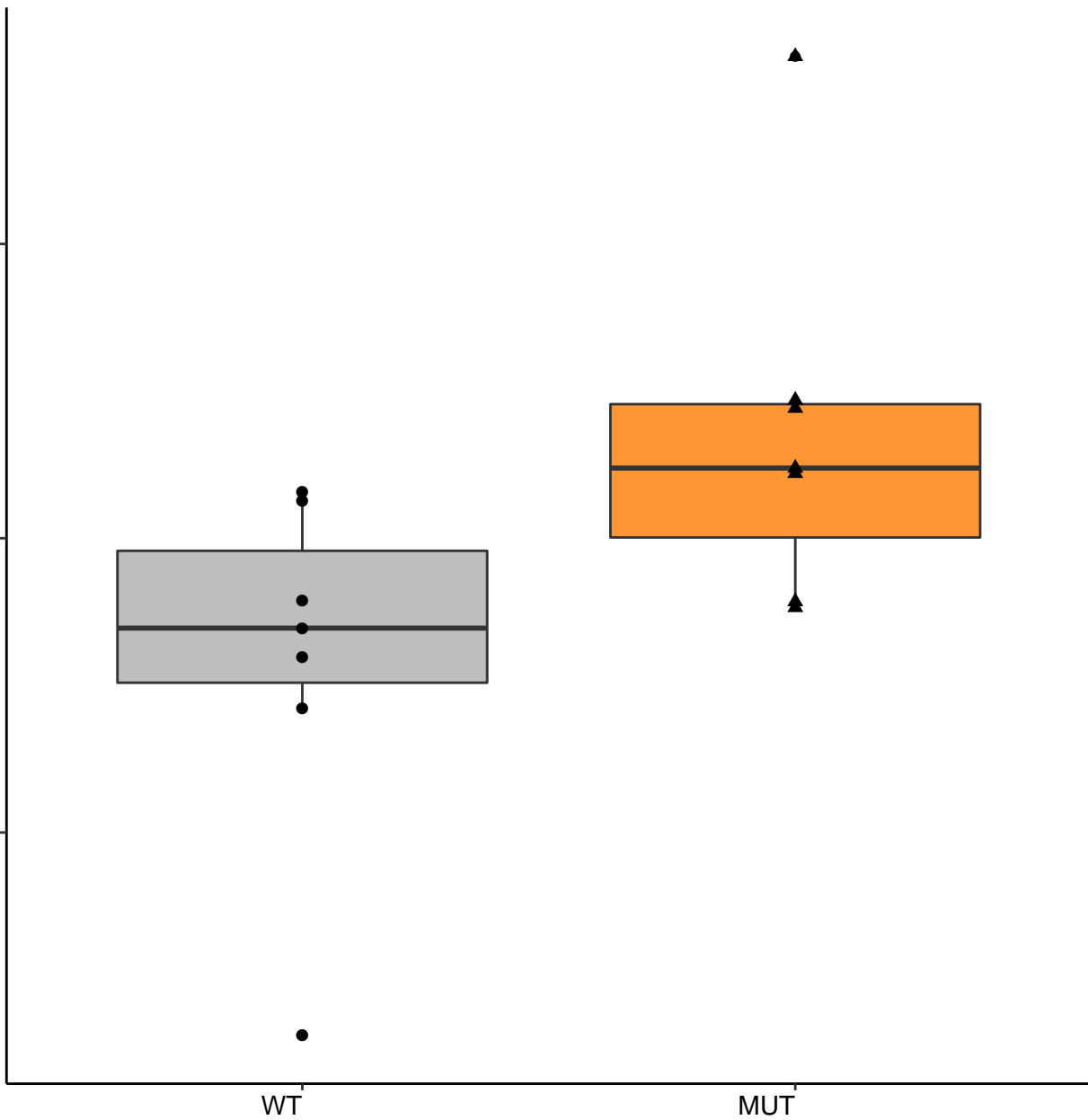
14.34

14.31

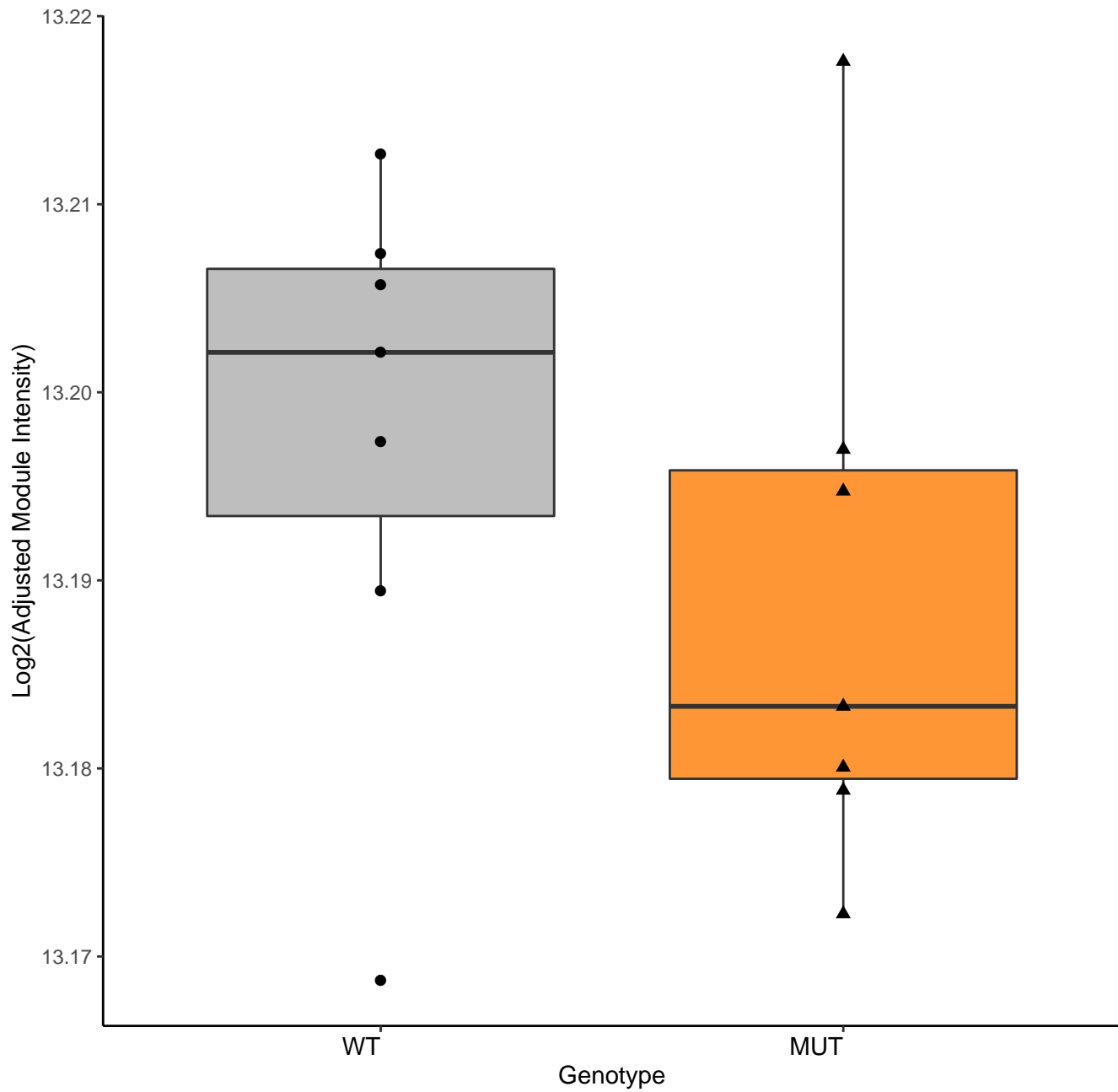
WT

Genotype

MUT



M97



M98

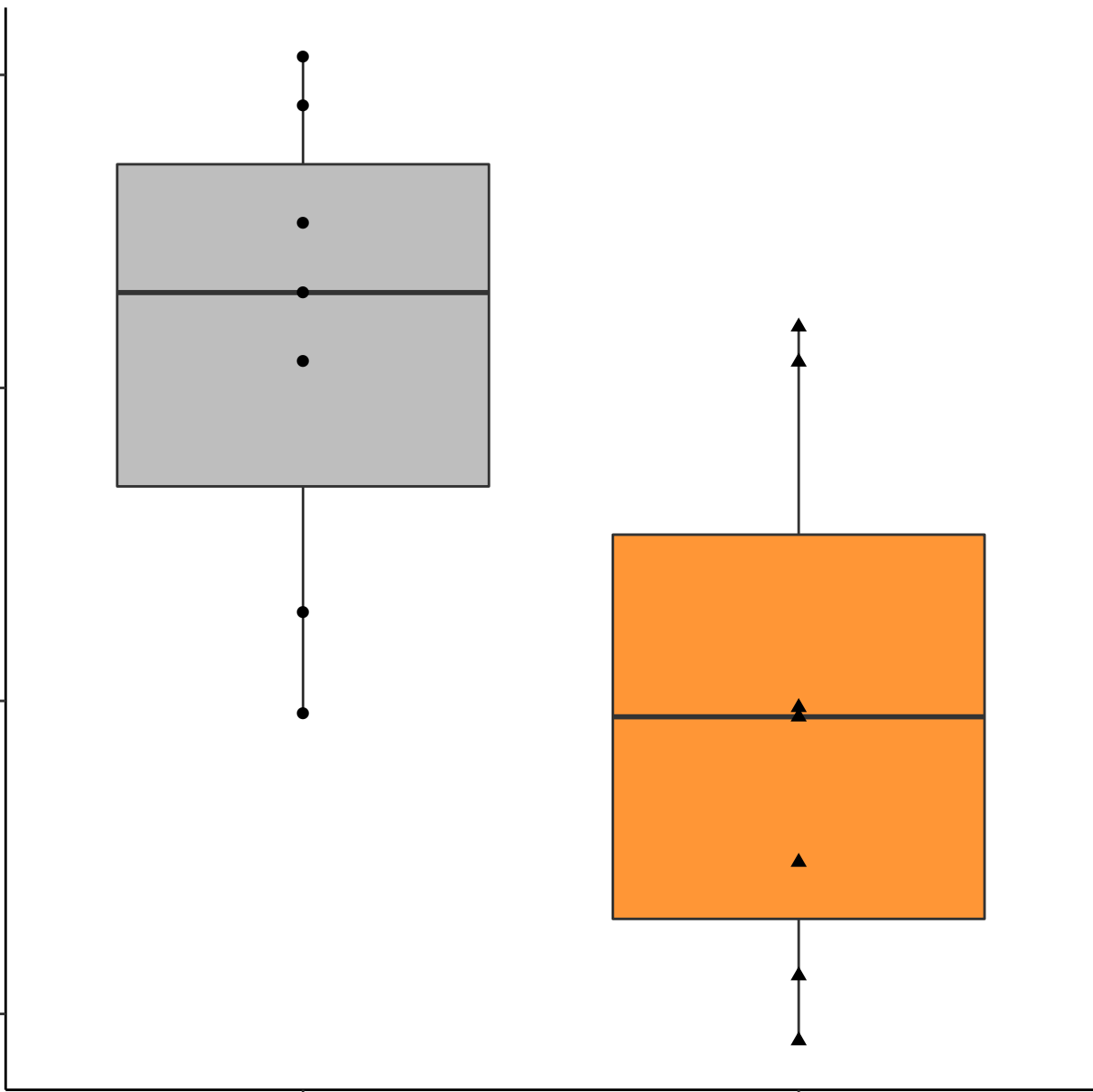
Log2(Adjusted Module Intensity)

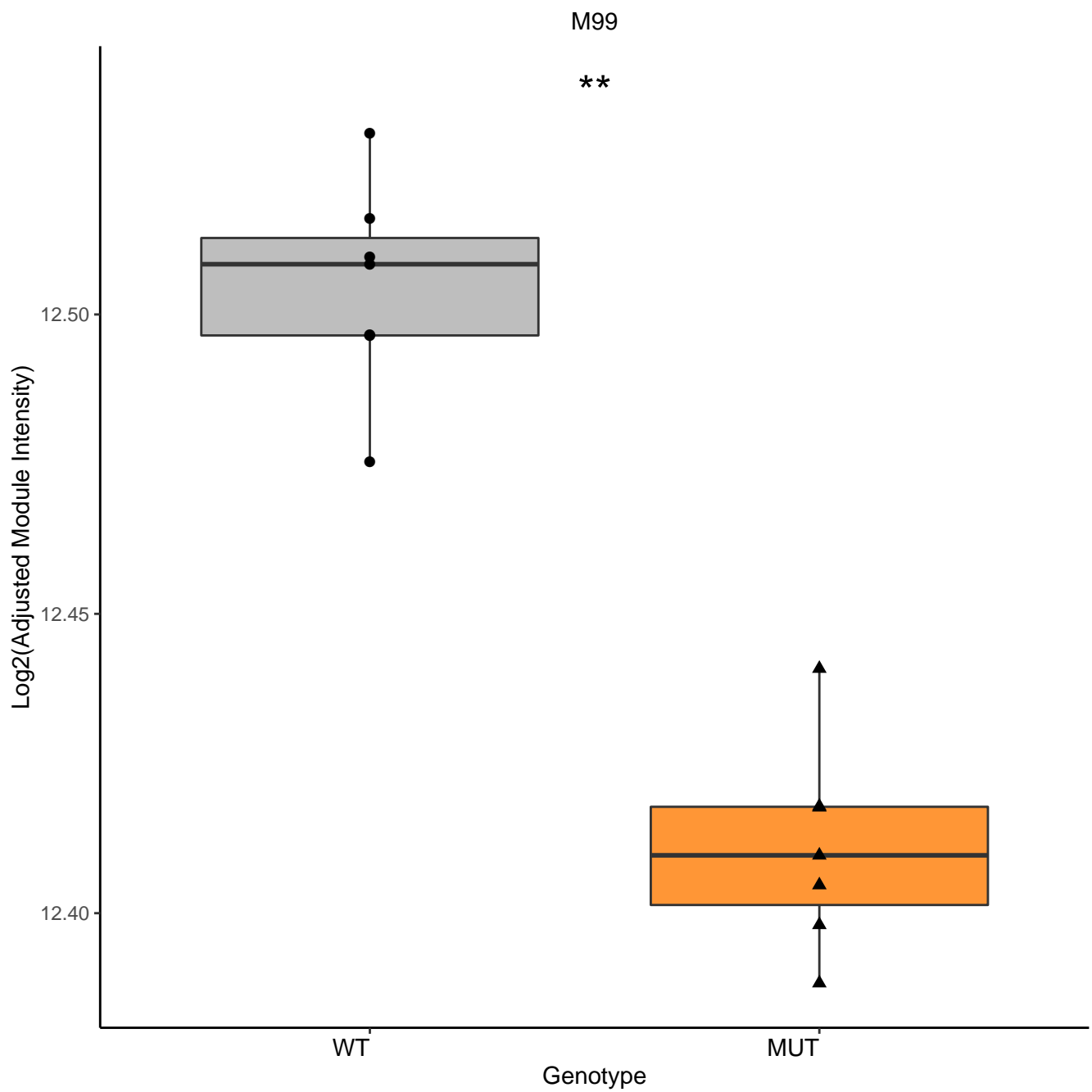
13.62
13.60
13.58
13.56

WT

Genotype

MUT





M100

Log2(Adjusted Module Intensity)

13.47

13.46

13.45

13.44

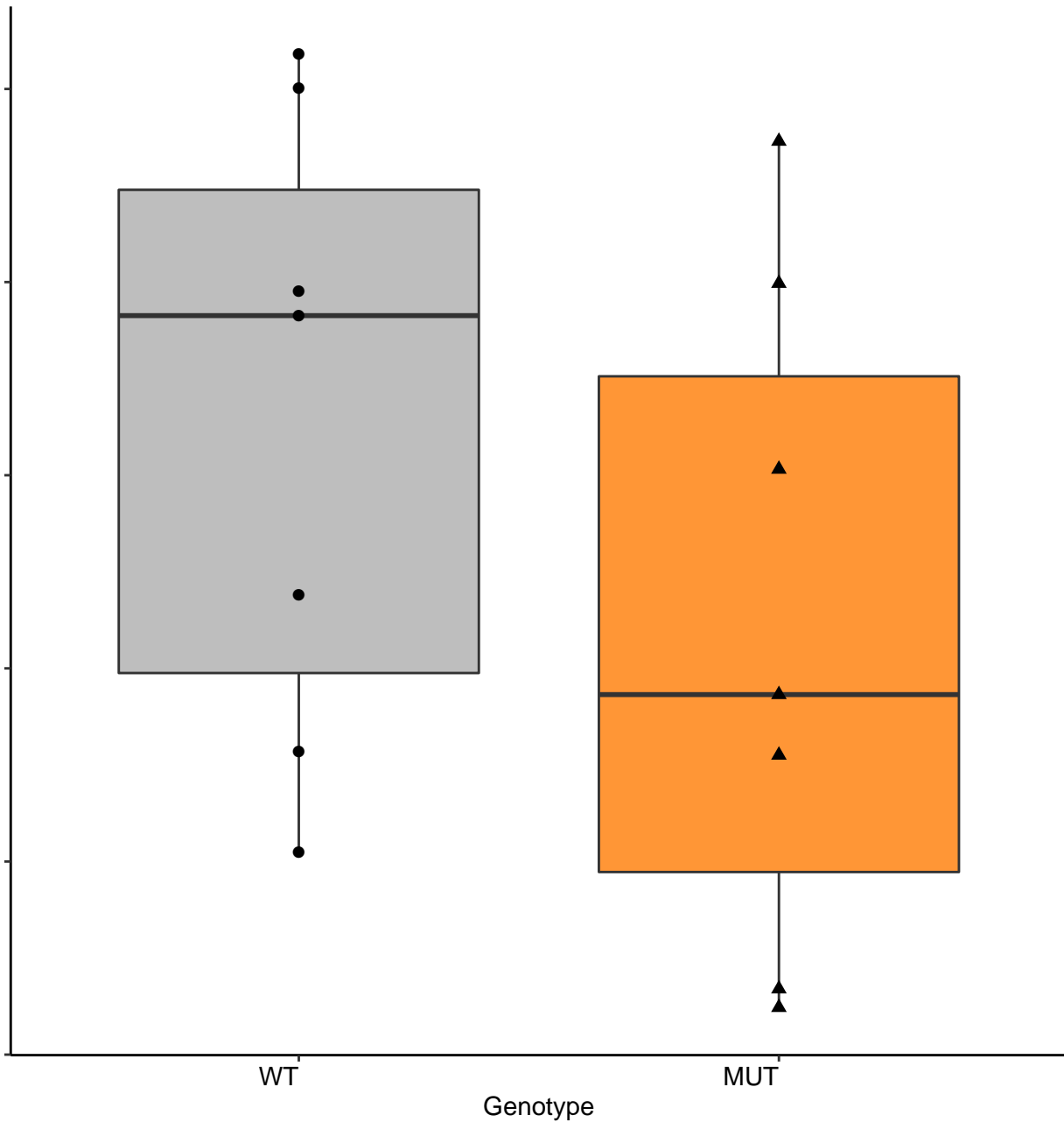
13.43

13.42

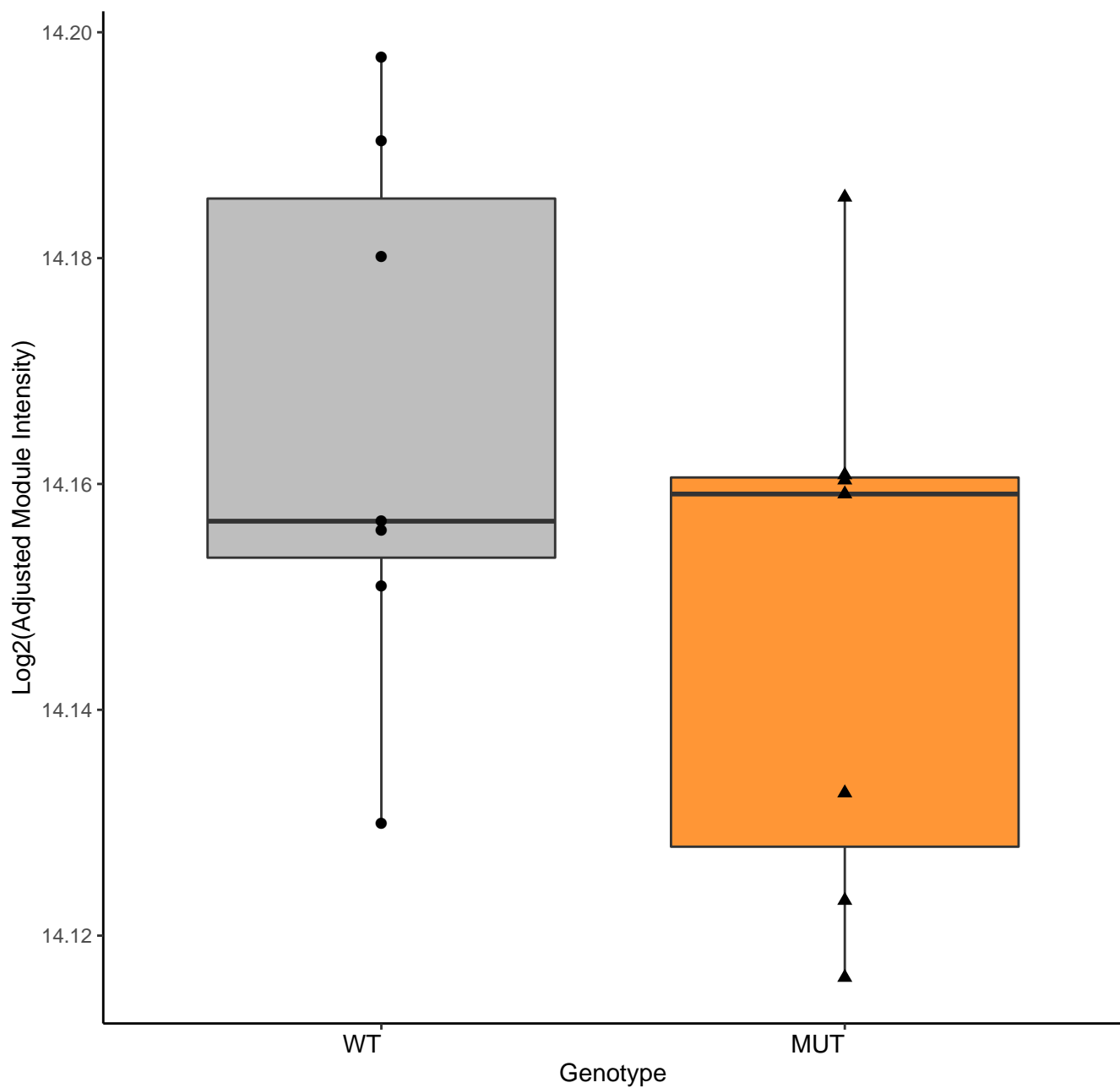
WT

Genotype

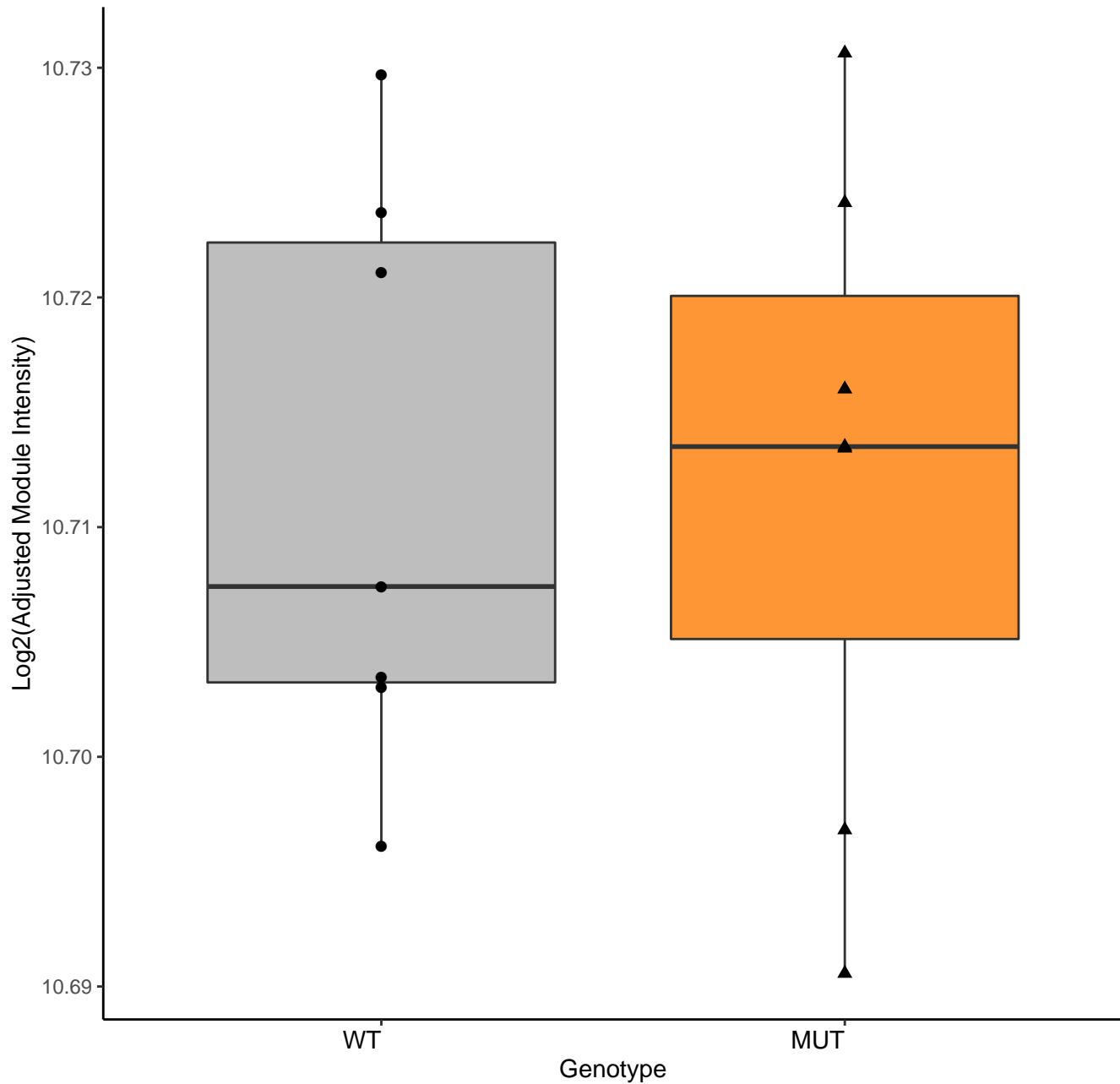
MUT



M101



M102



M103

Log2(Adjusted Module Intensity)

13.68

13.67

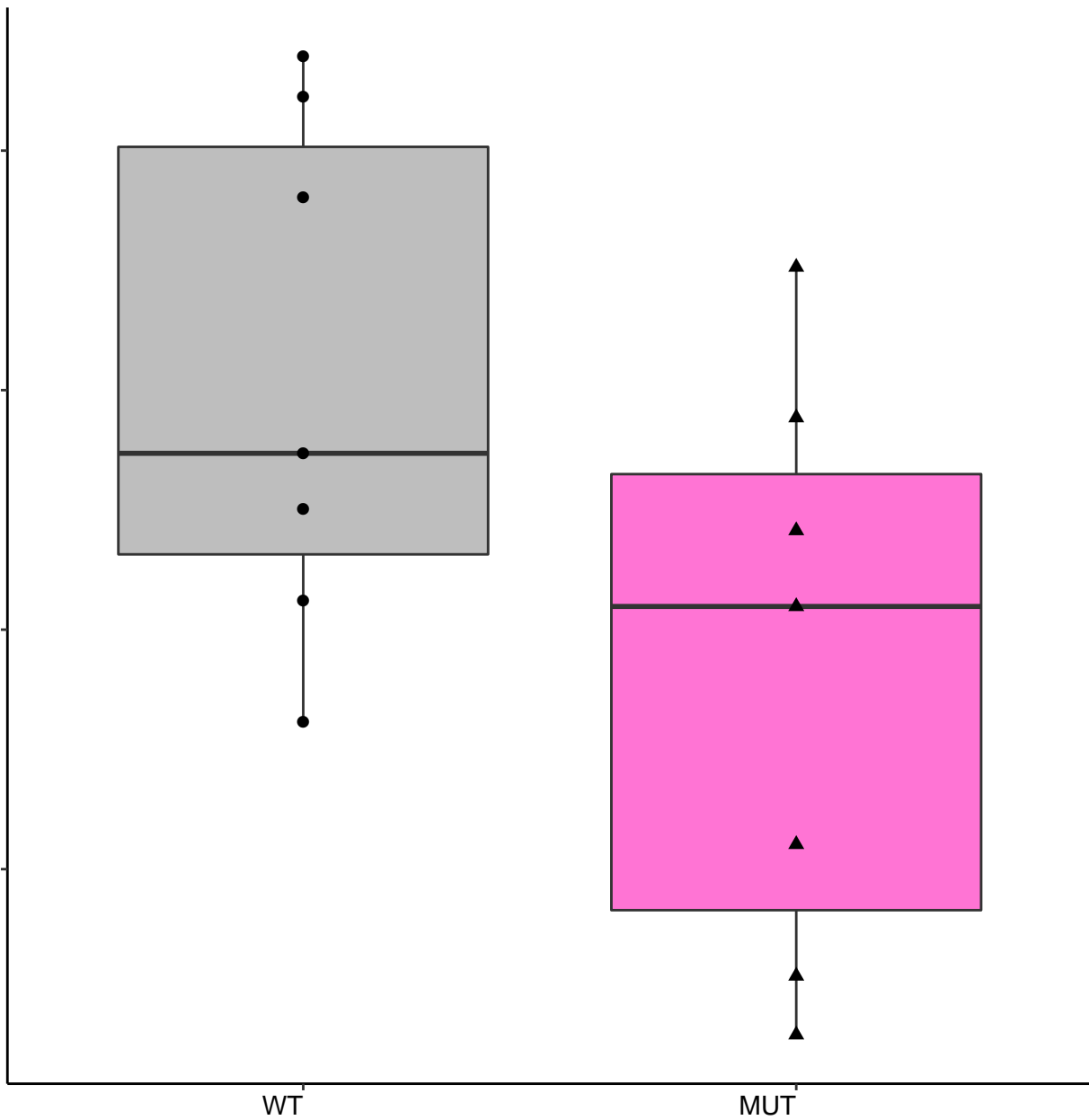
13.66

13.65

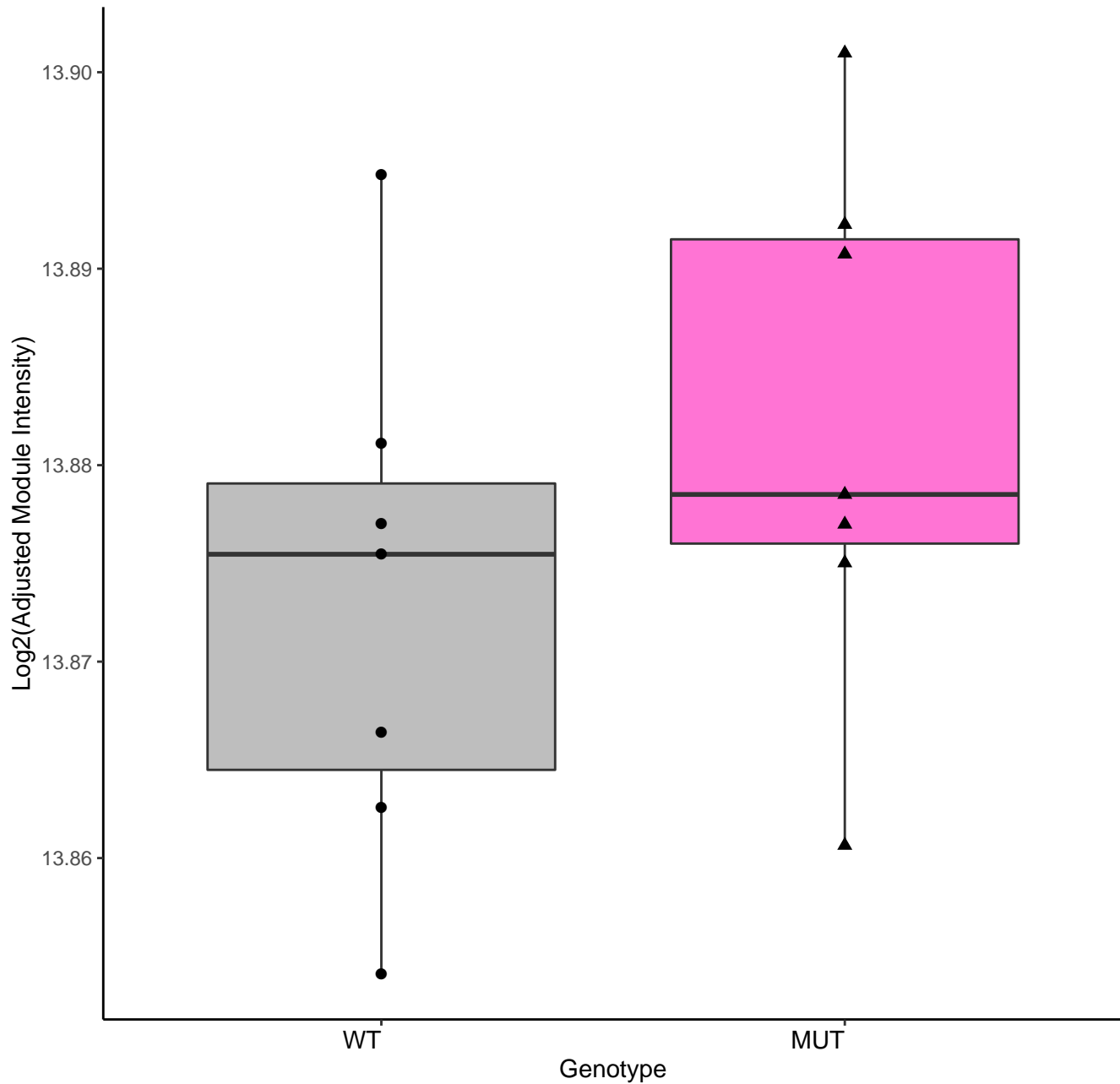
WT

Genotype

MUT

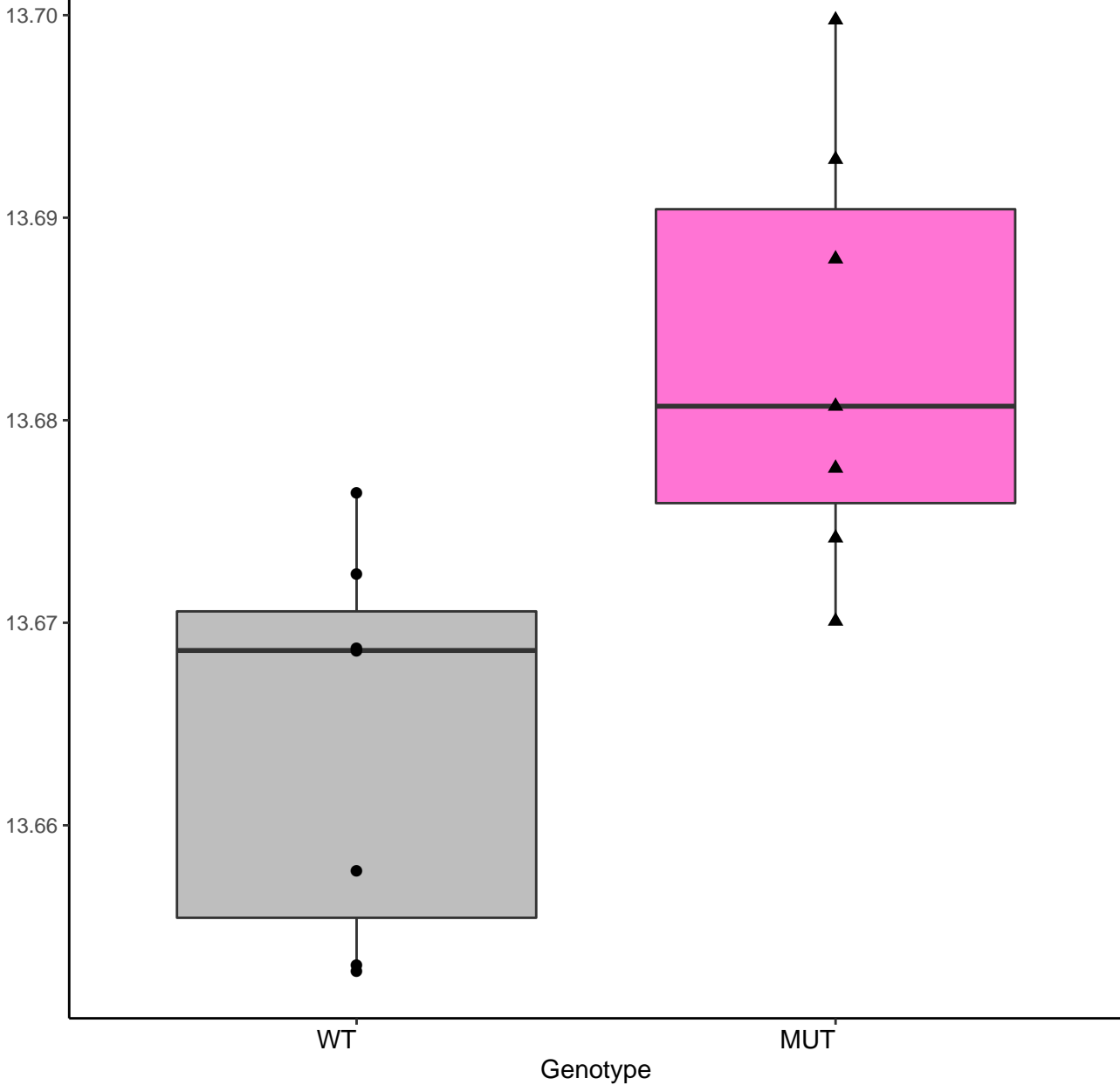


M104



M105

Log2(Adjusted Module Intensity)



M106

Log2(Adjusted Module Intensity)

13.06

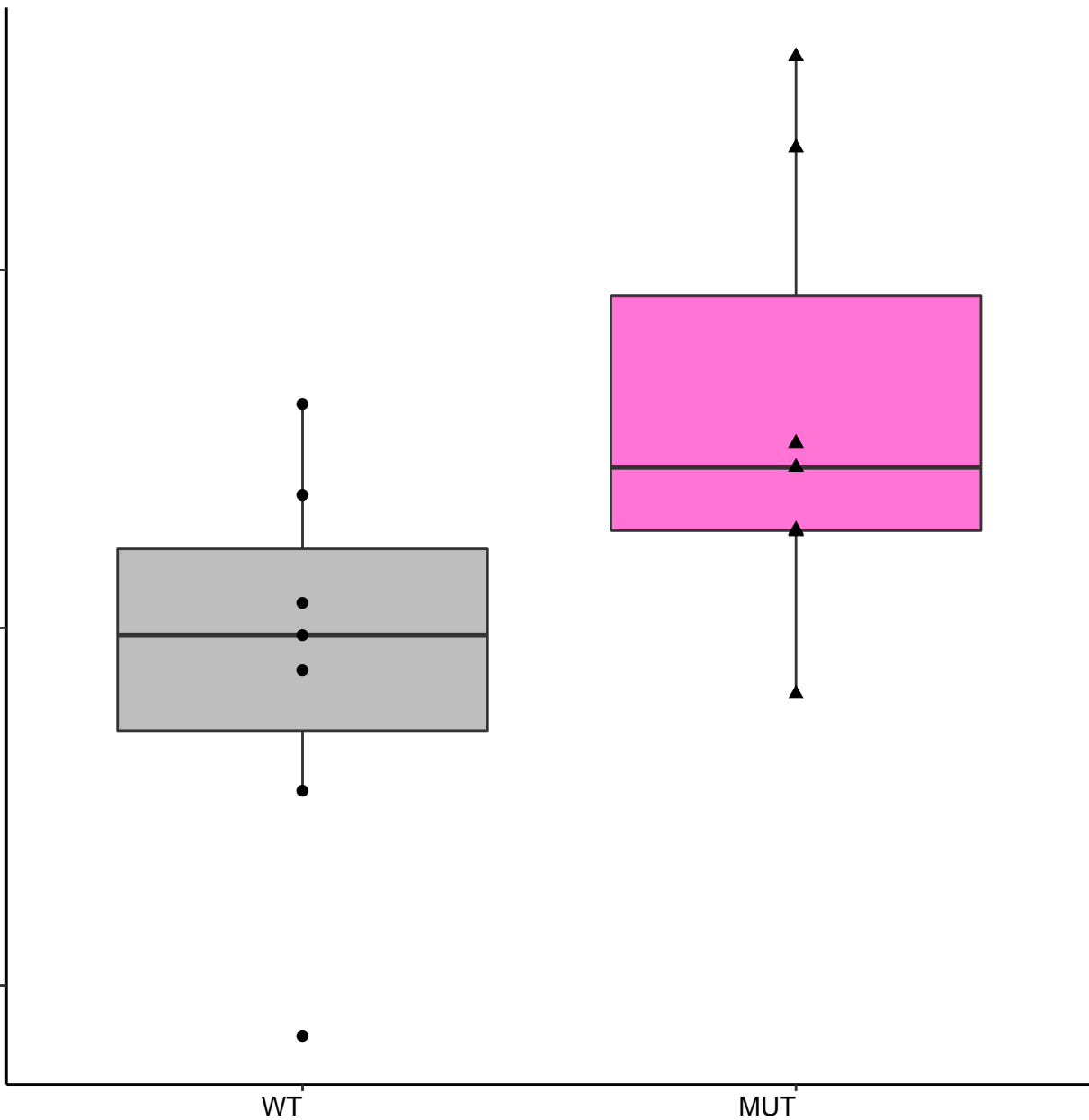
13.04

13.02

WT

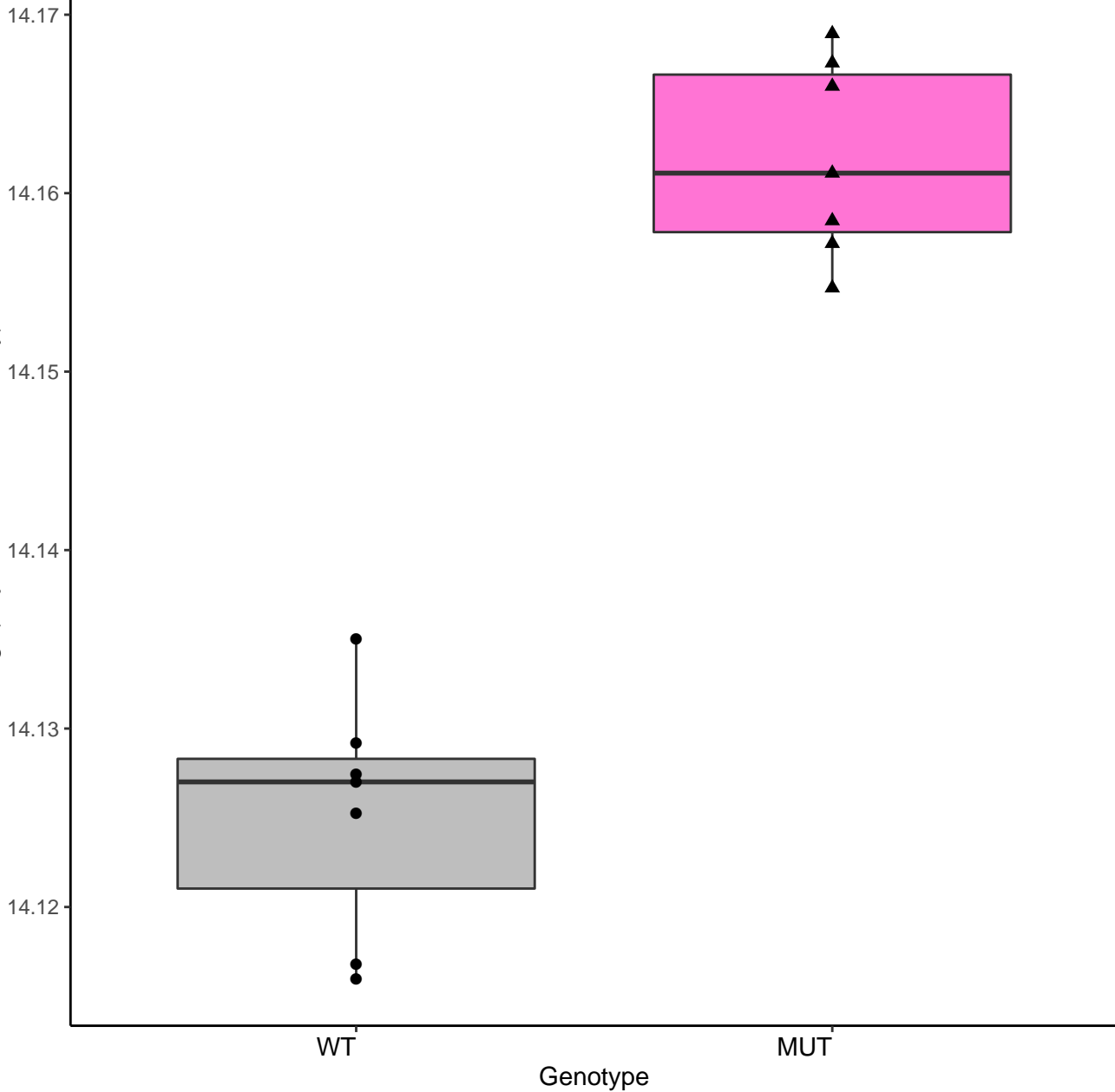
Genotype

MUT

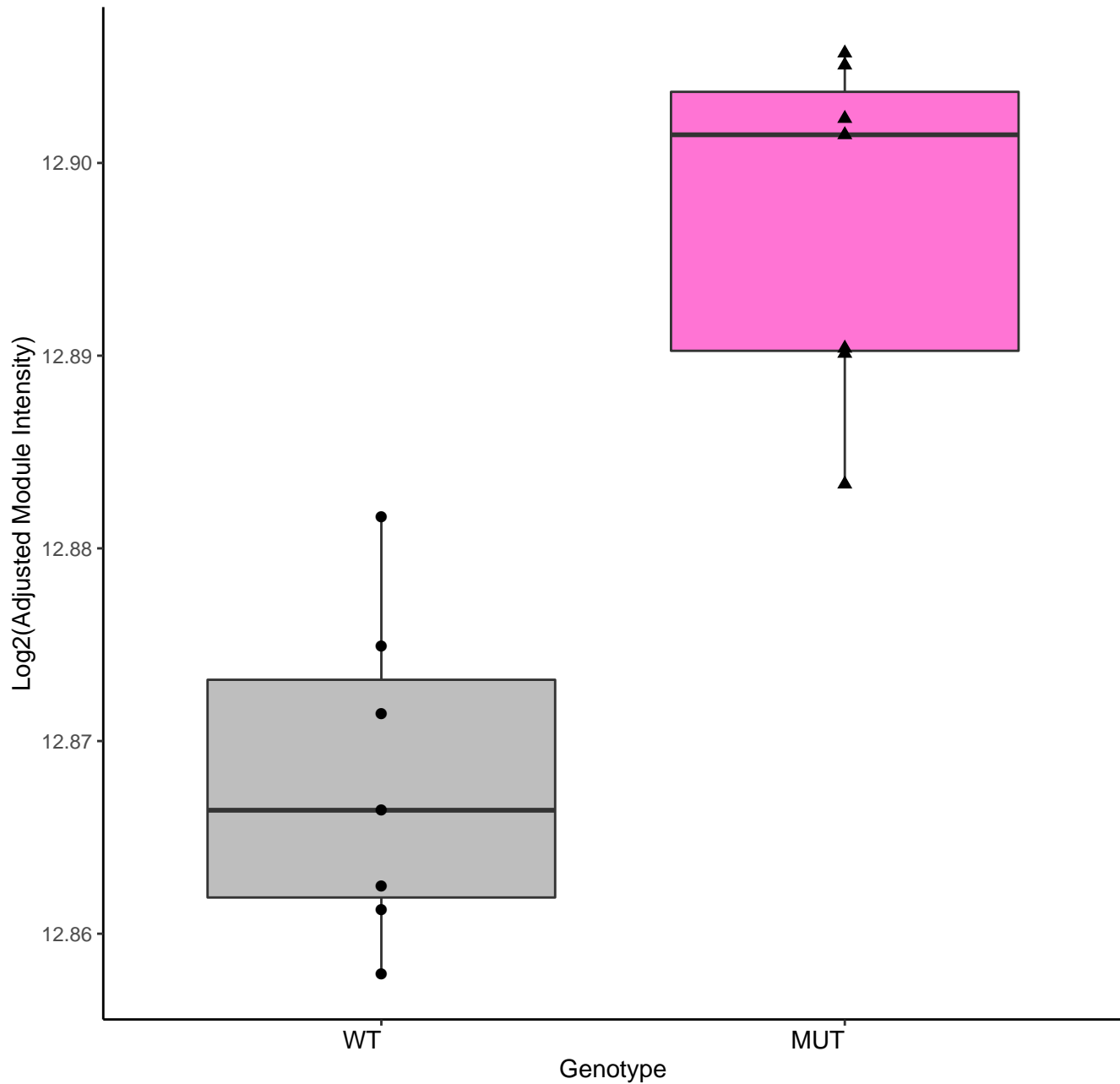


M107

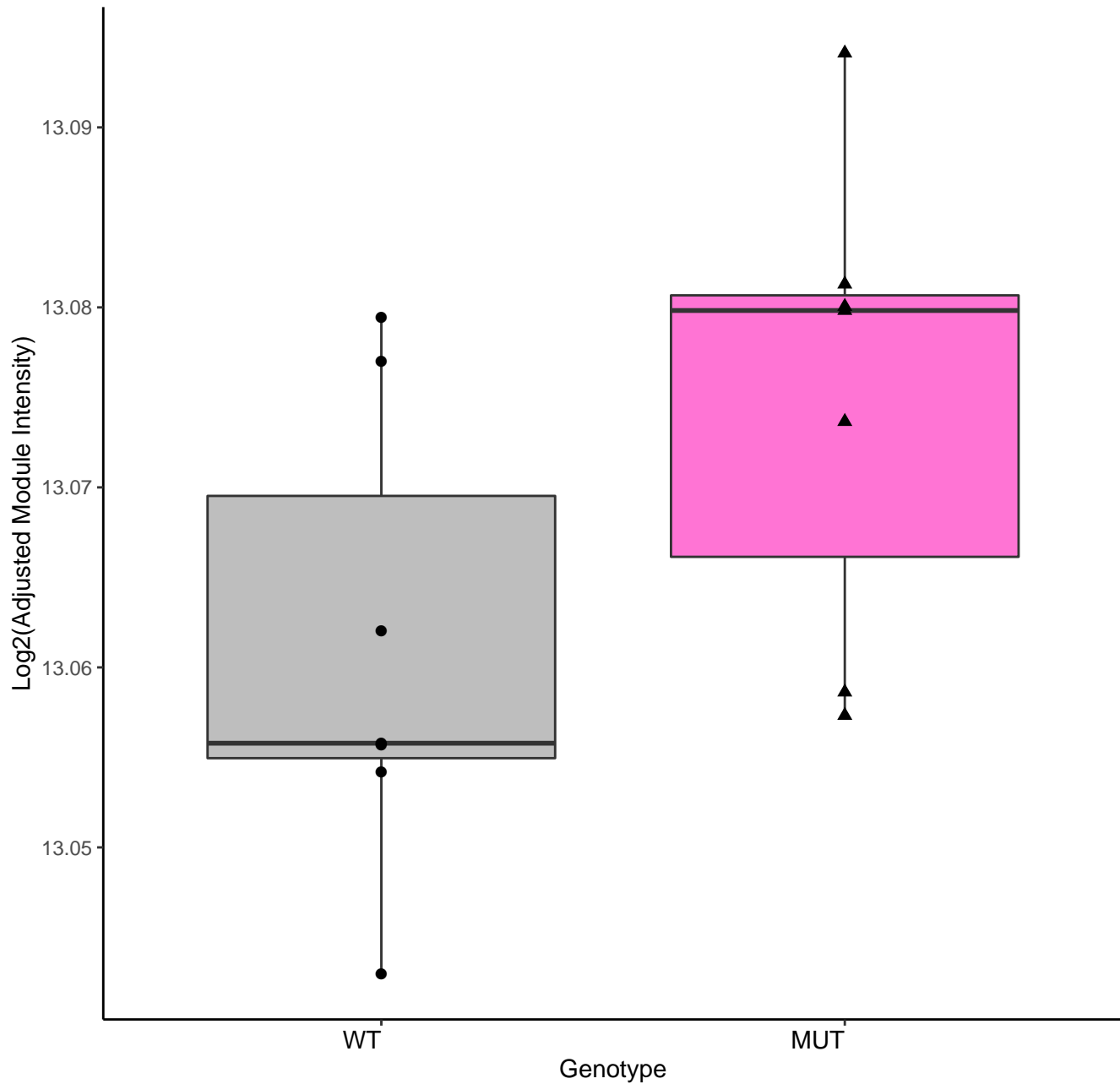
Log2(Adjusted Module Intensity)



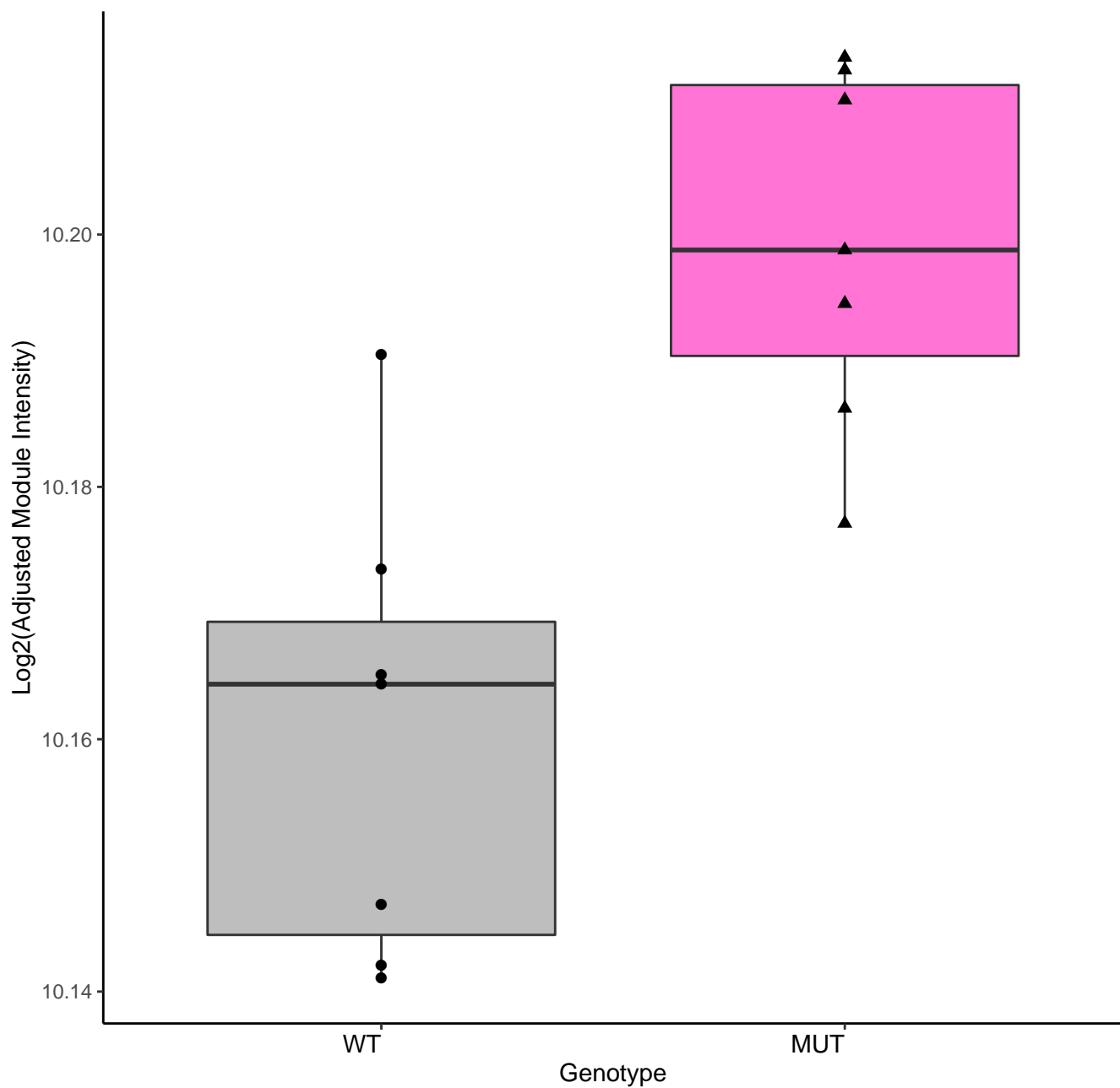
M108



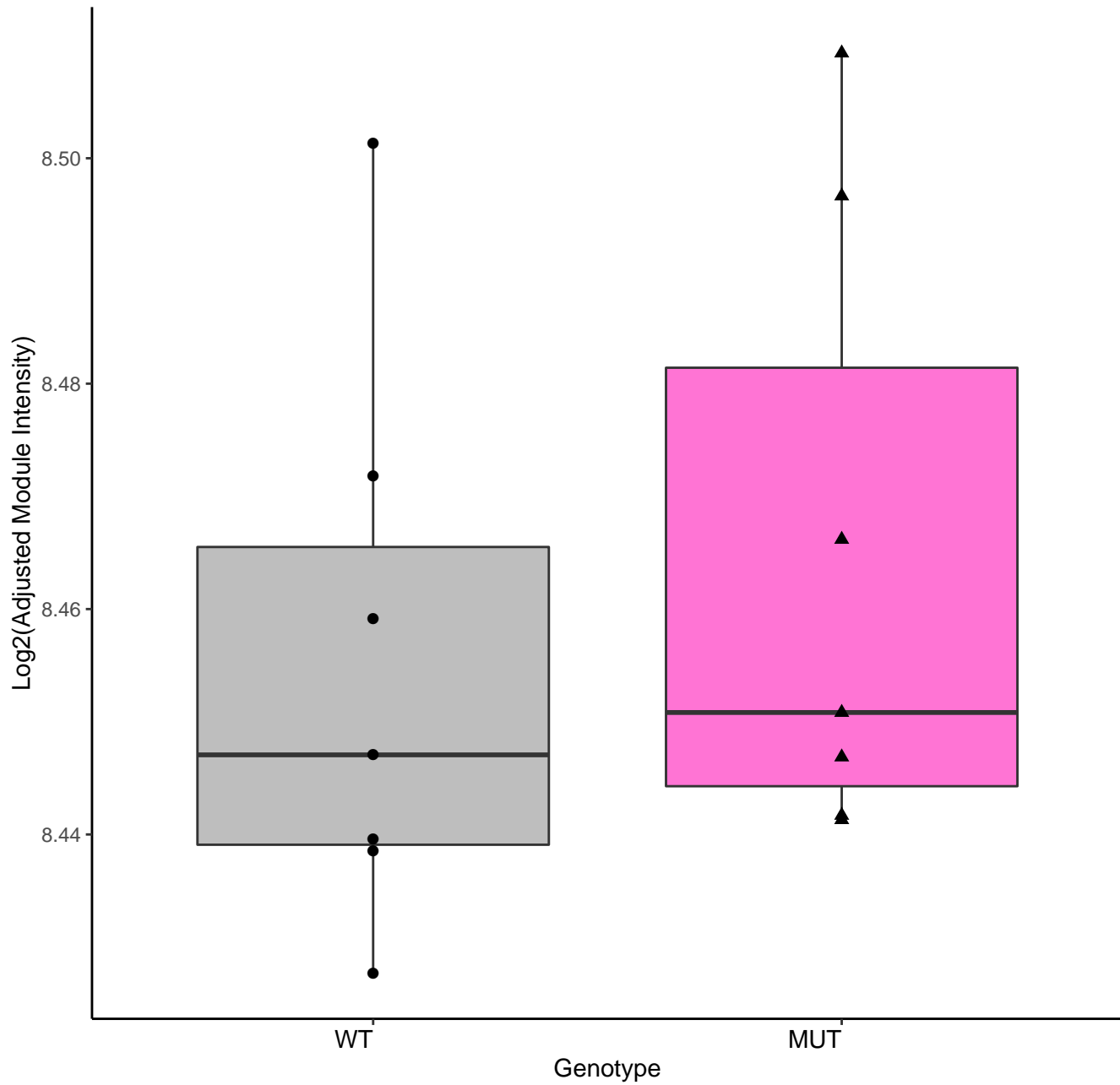
M109

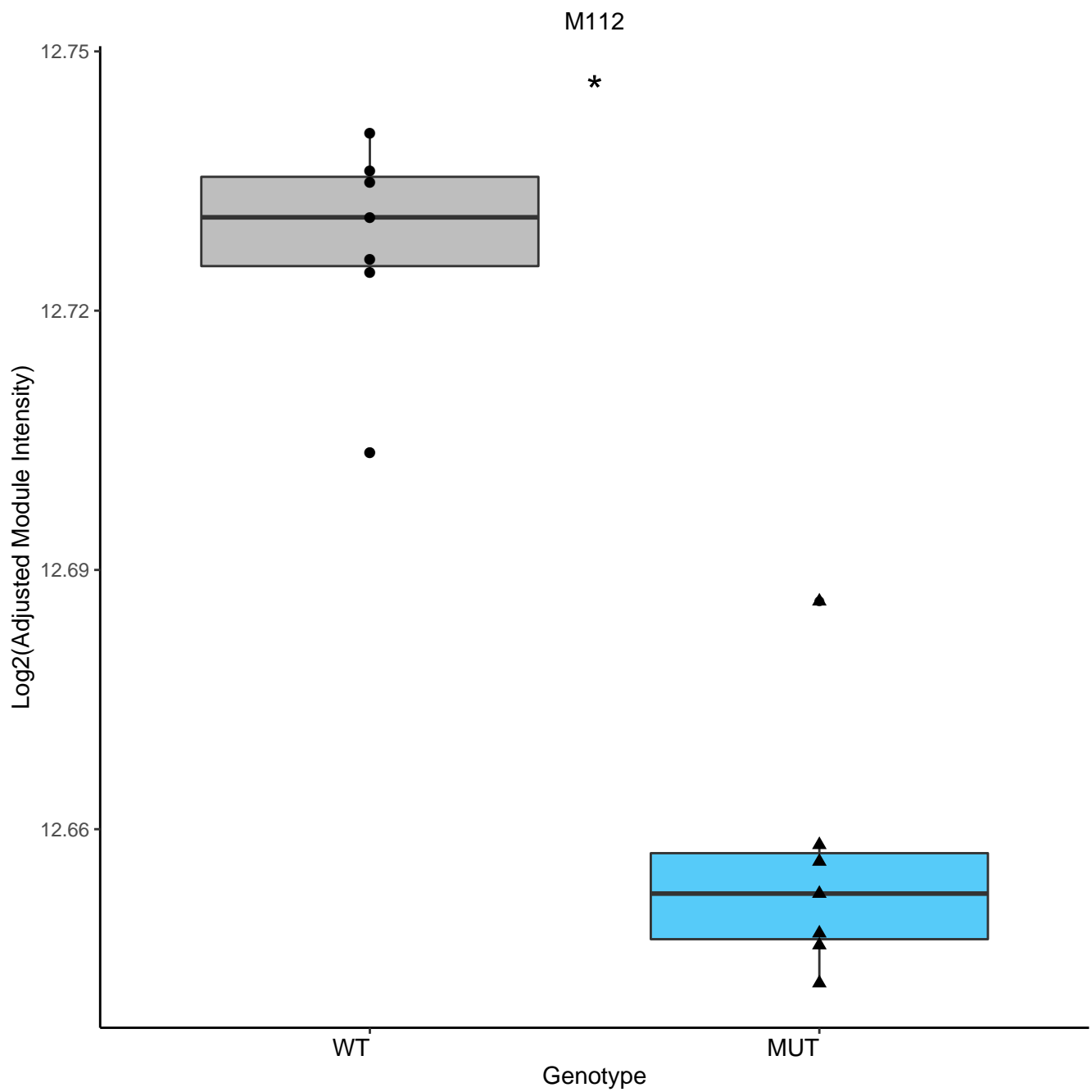


M110



M111





M113

Log2(Adjusted Module Intensity)

12.80

12.76

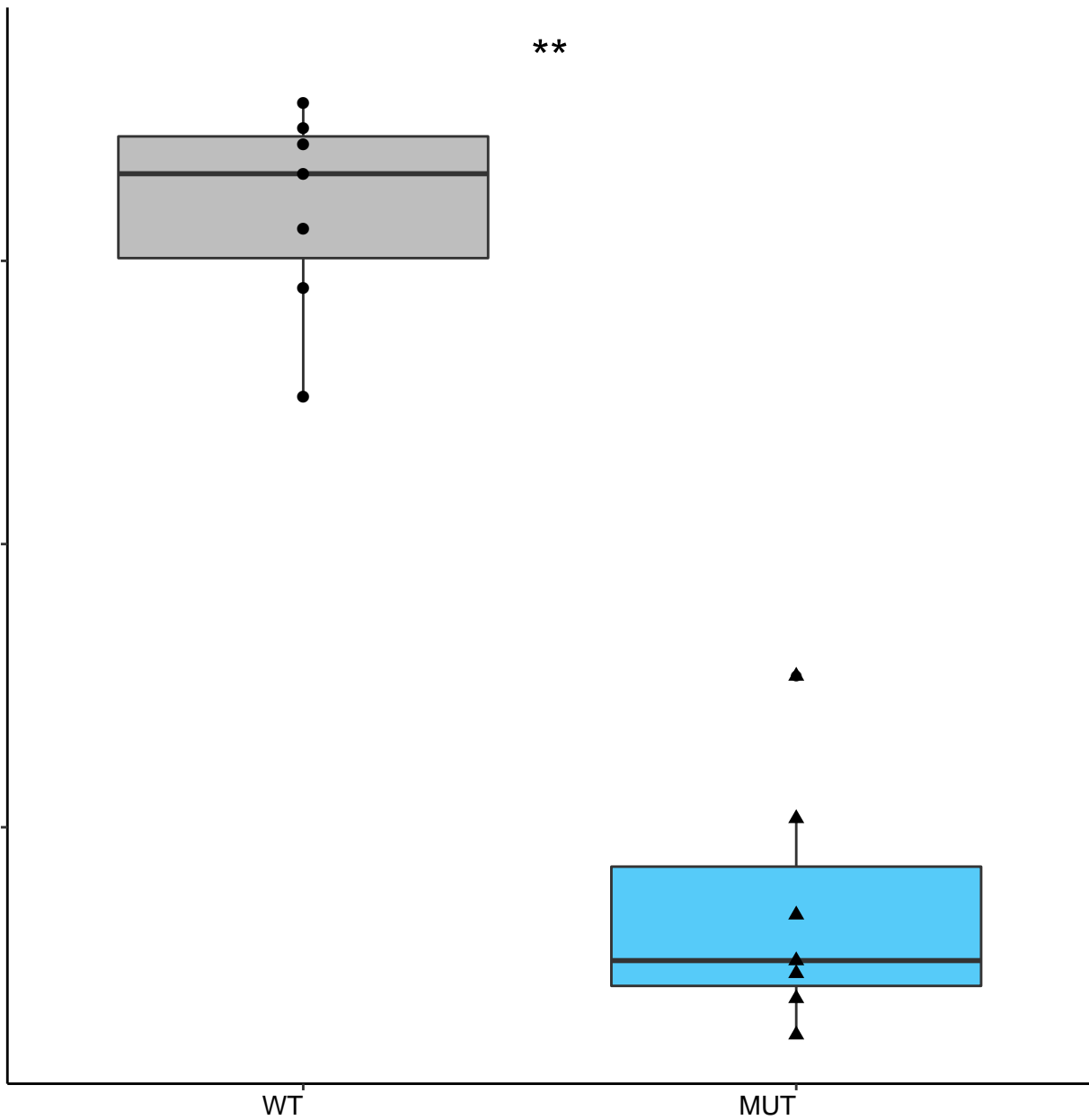
12.72

WT

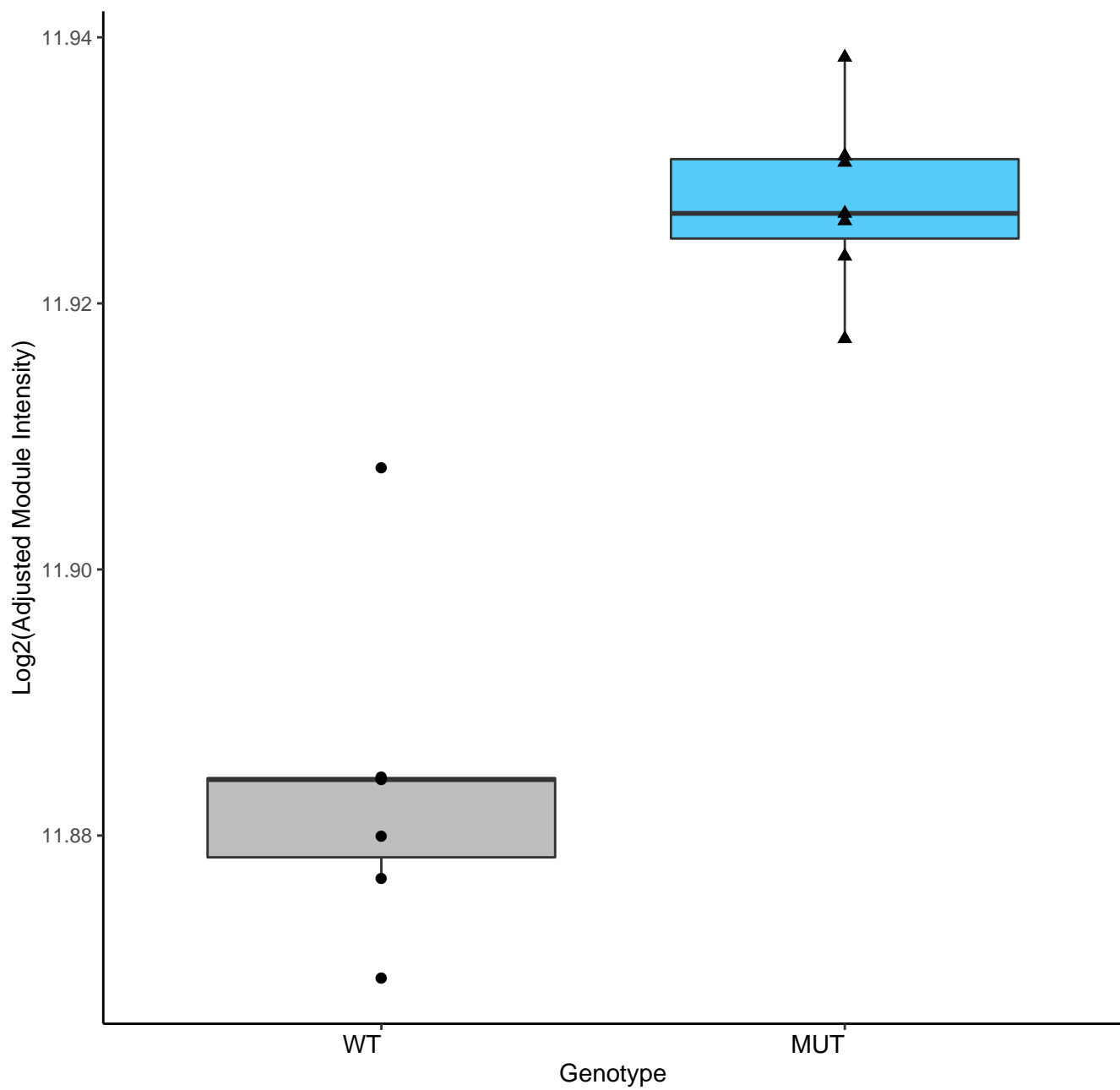
Genotype

MUT

**



M114



M115

Log2(Adjusted Module Intensity)

13.25

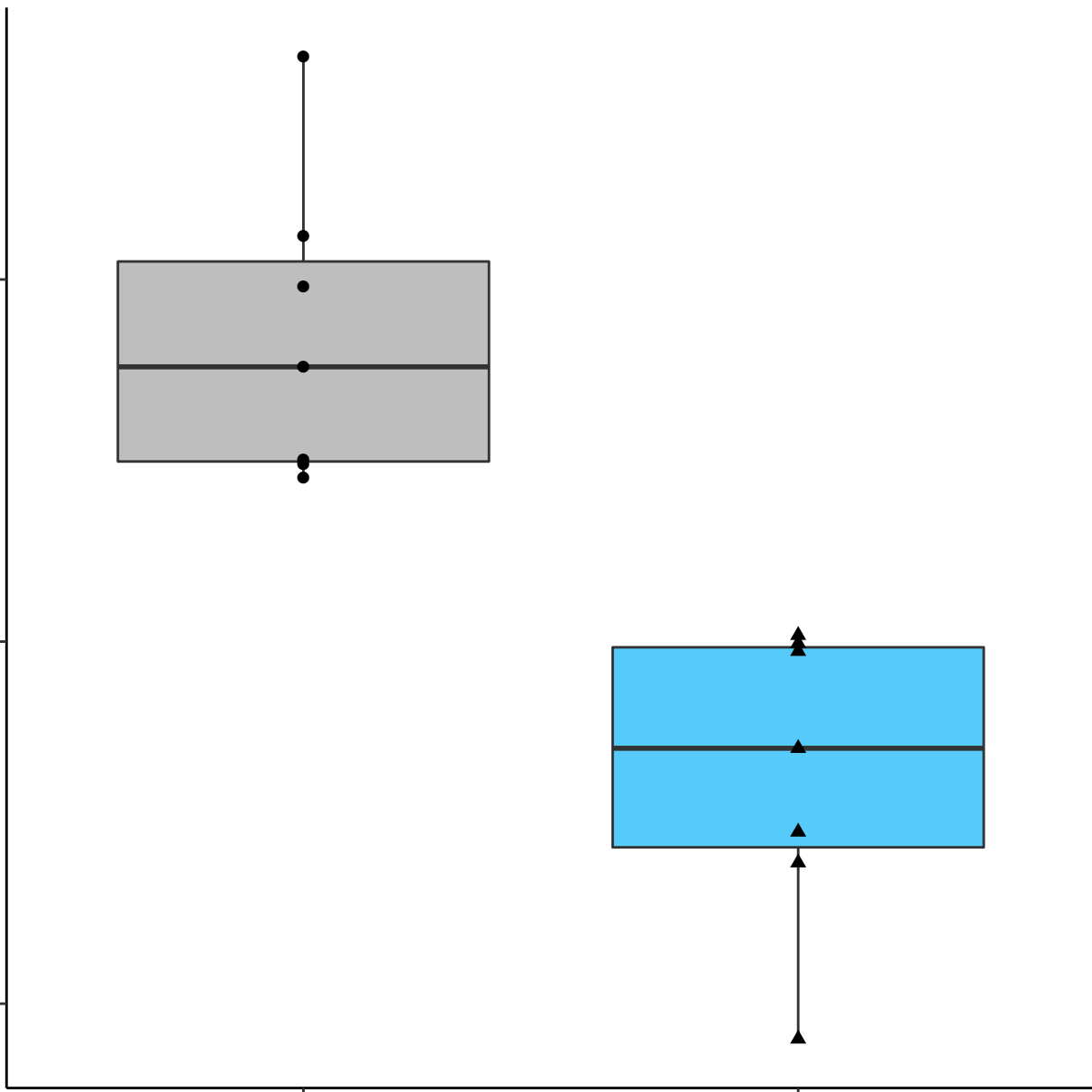
13.20

13.15

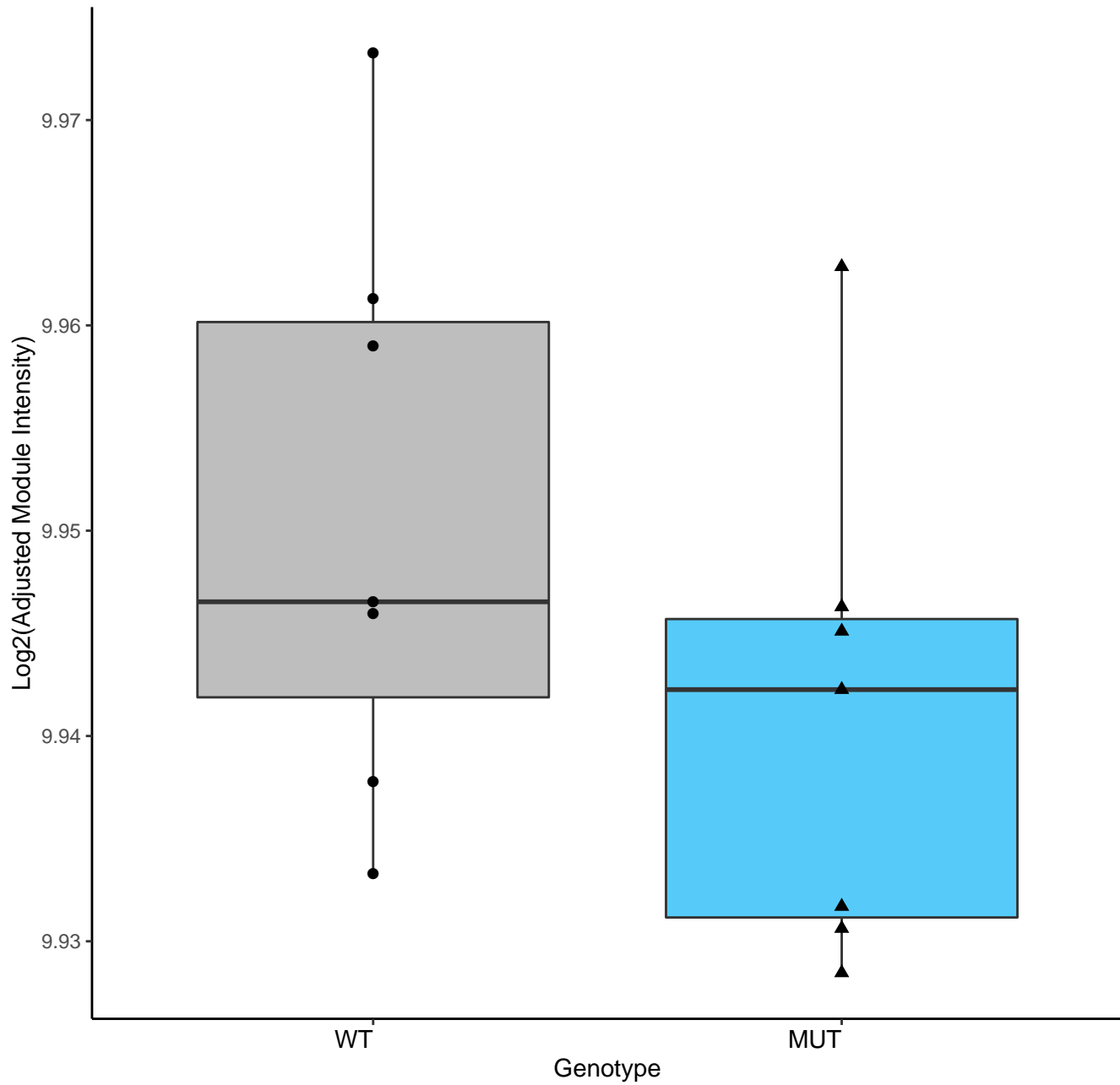
WT

Genotype

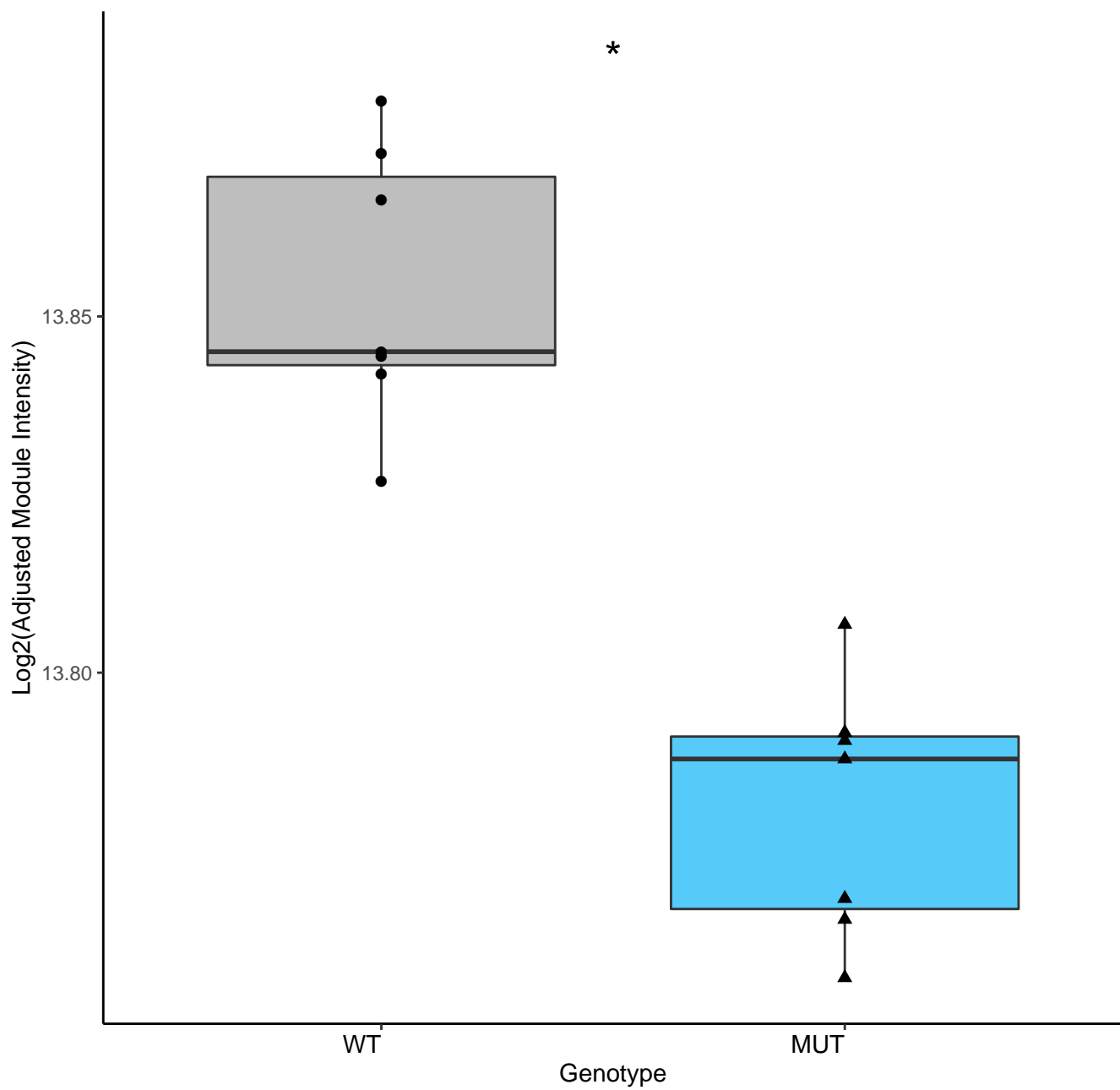
MUT



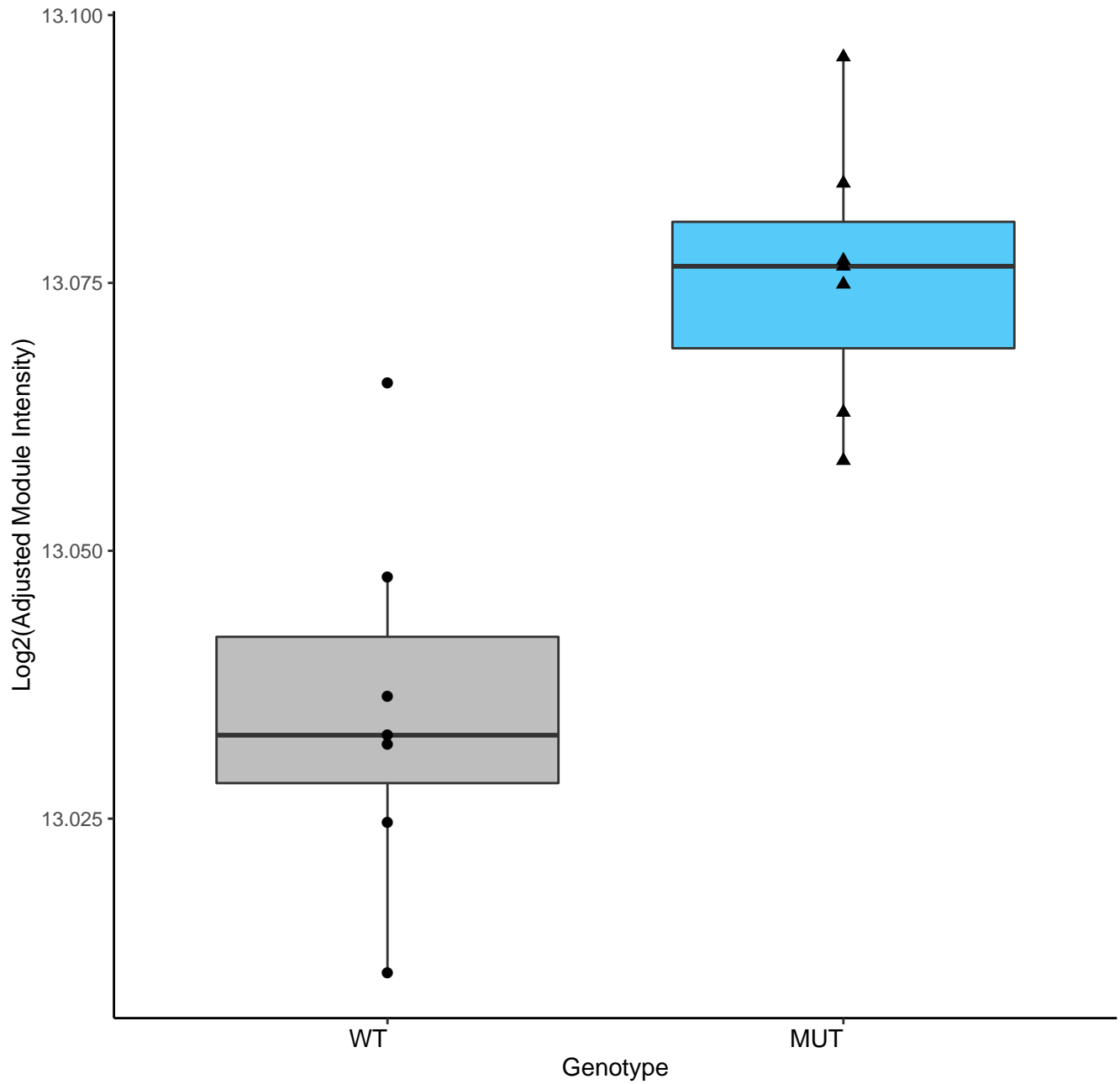
M116



M117



M118



M119

Log2(Adjusted Module Intensity)

11.91

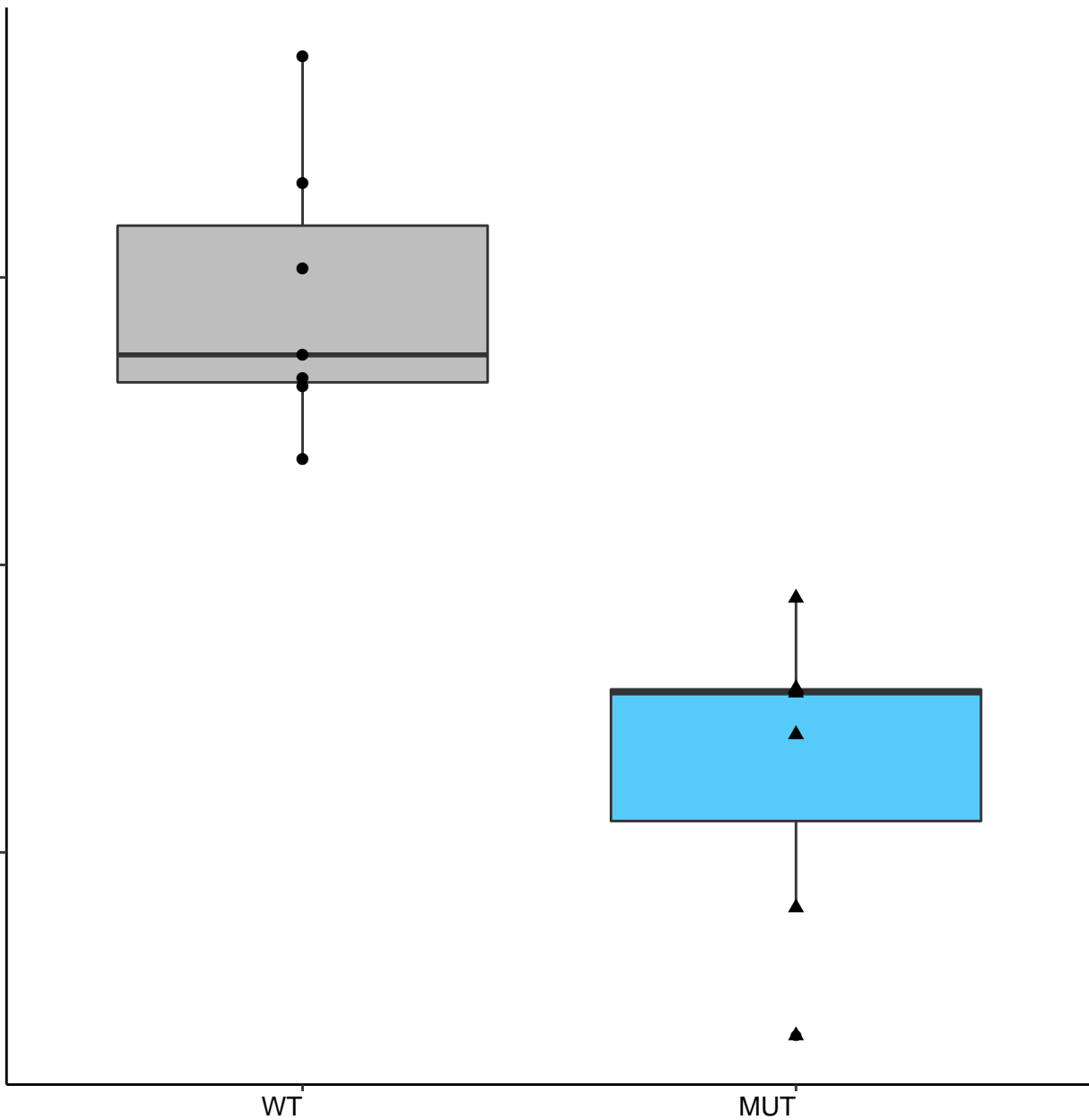
11.89

11.87

WT

Genotype

MUT



M120

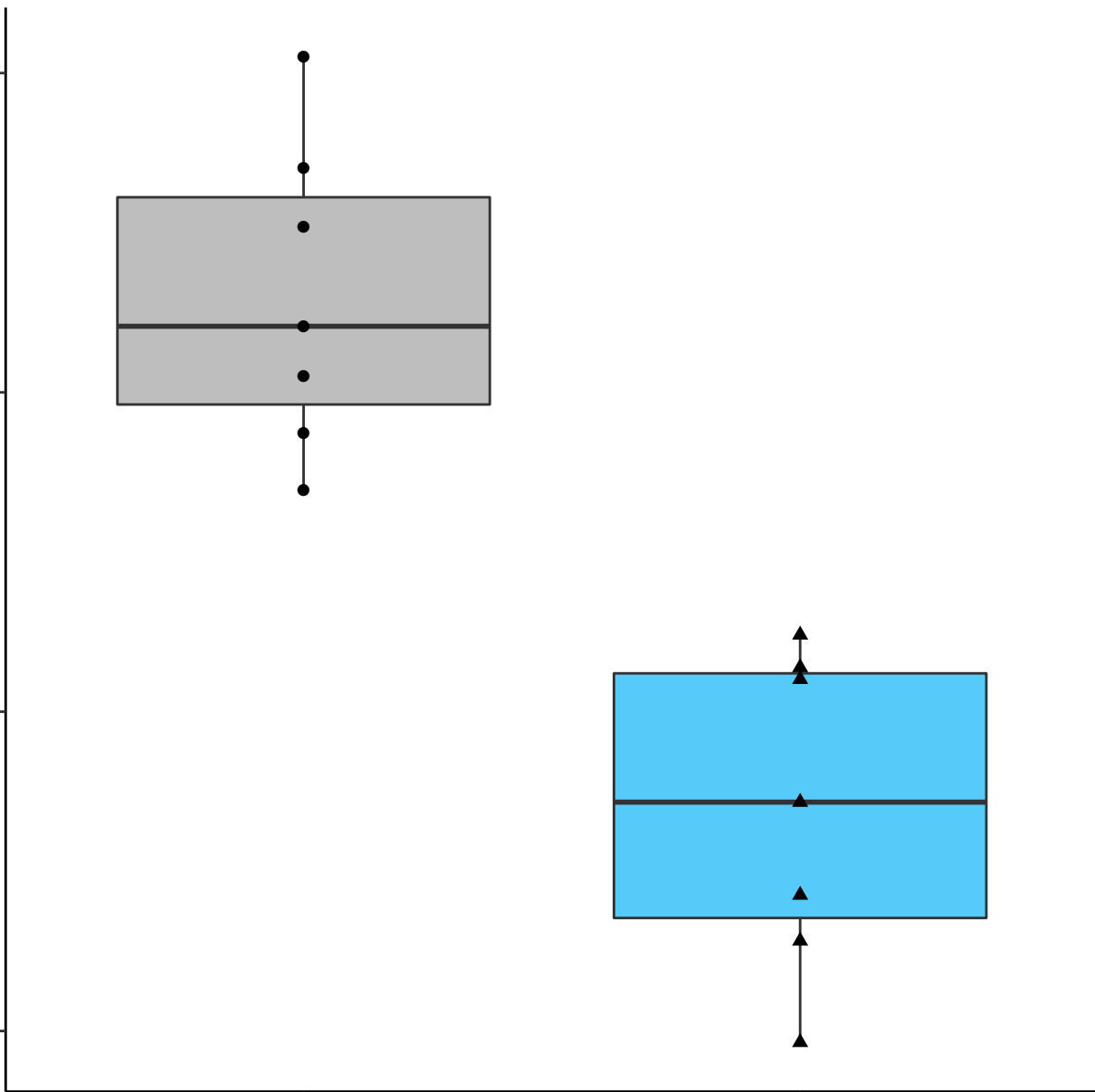
Log2(Adjusted Module Intensity)

12.50
12.45
12.40
12.35

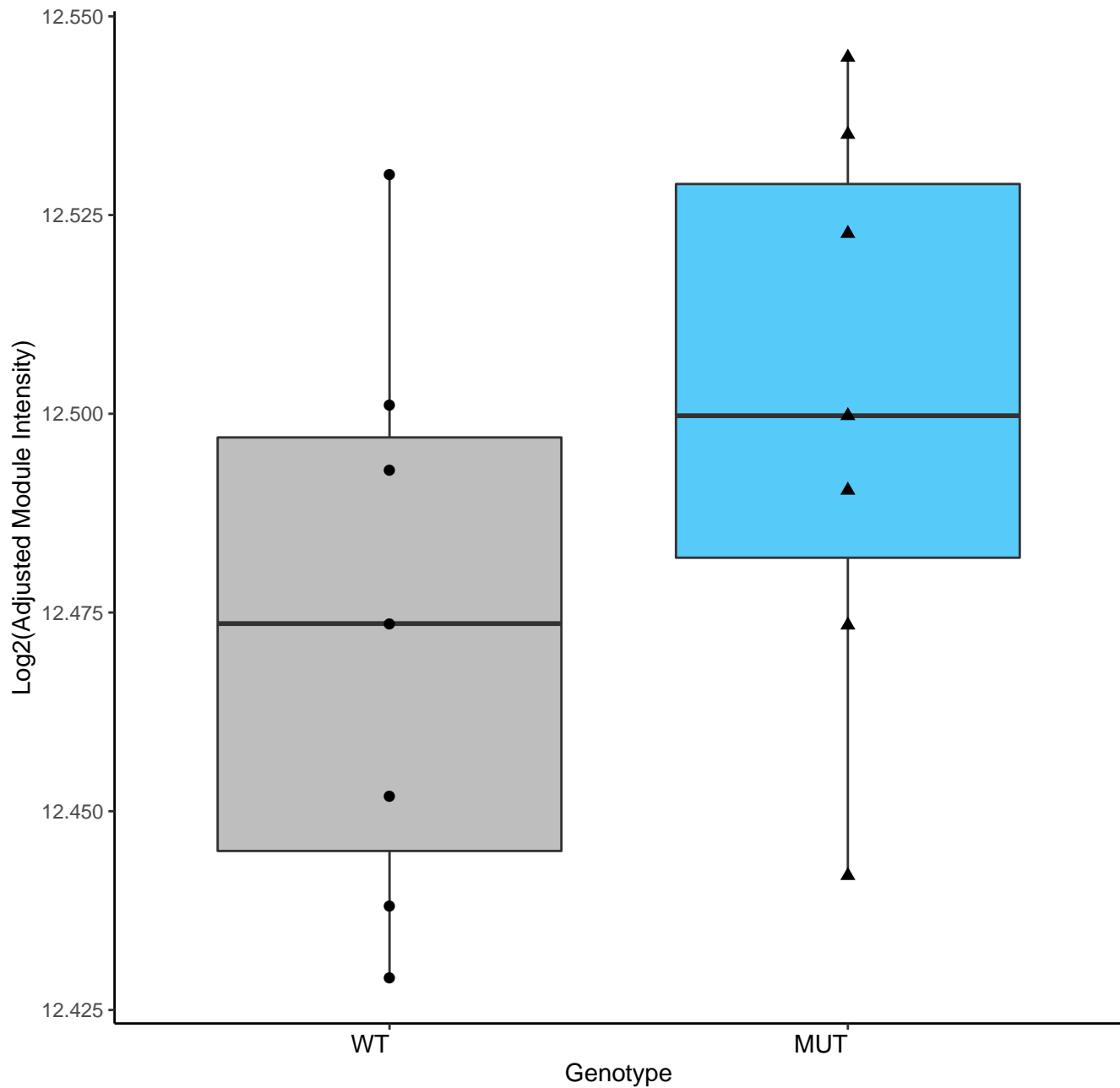
WT

Genotype

MUT



M121



M122

Log2(Adjusted Module Intensity)

11.08

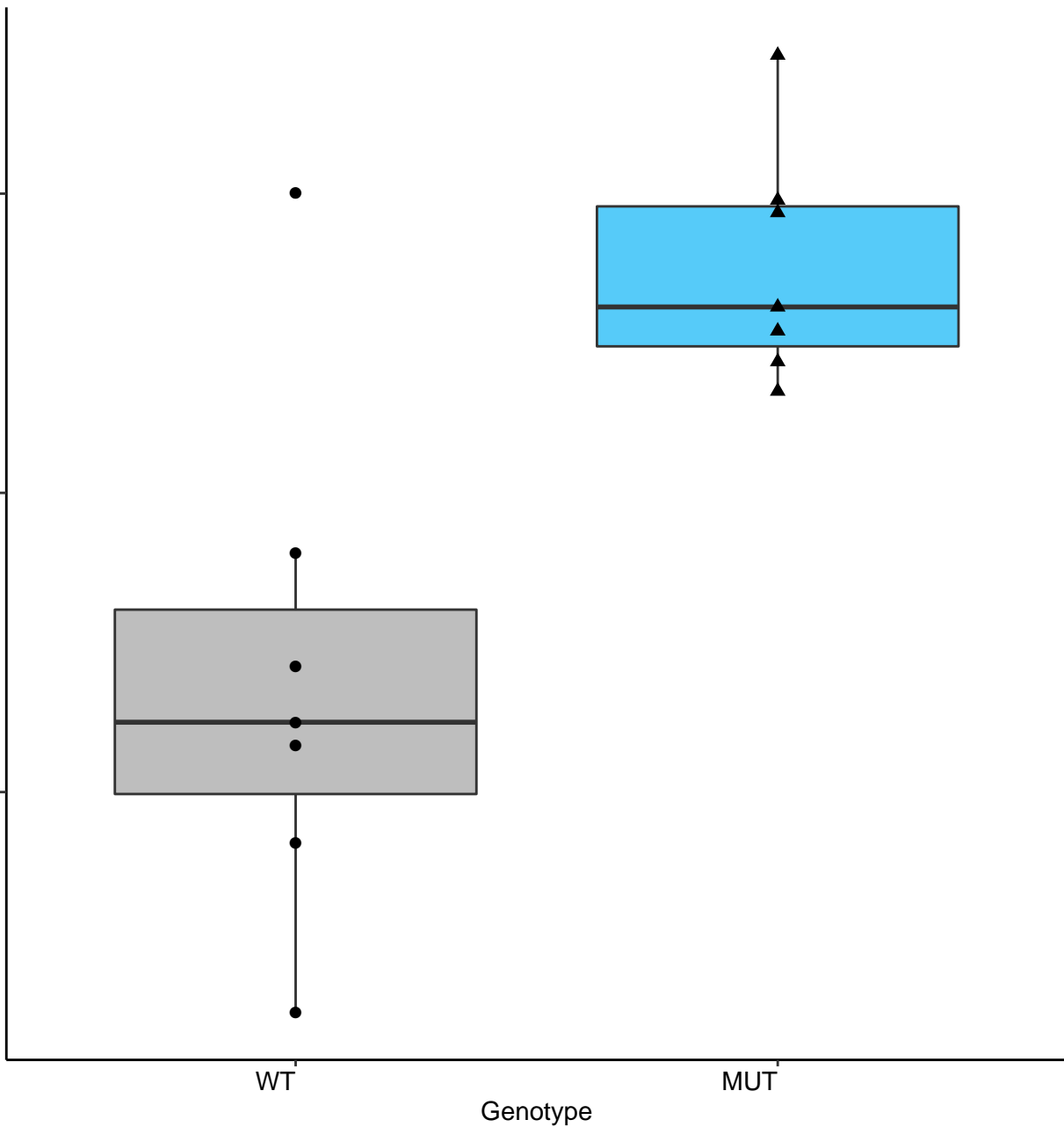
11.06

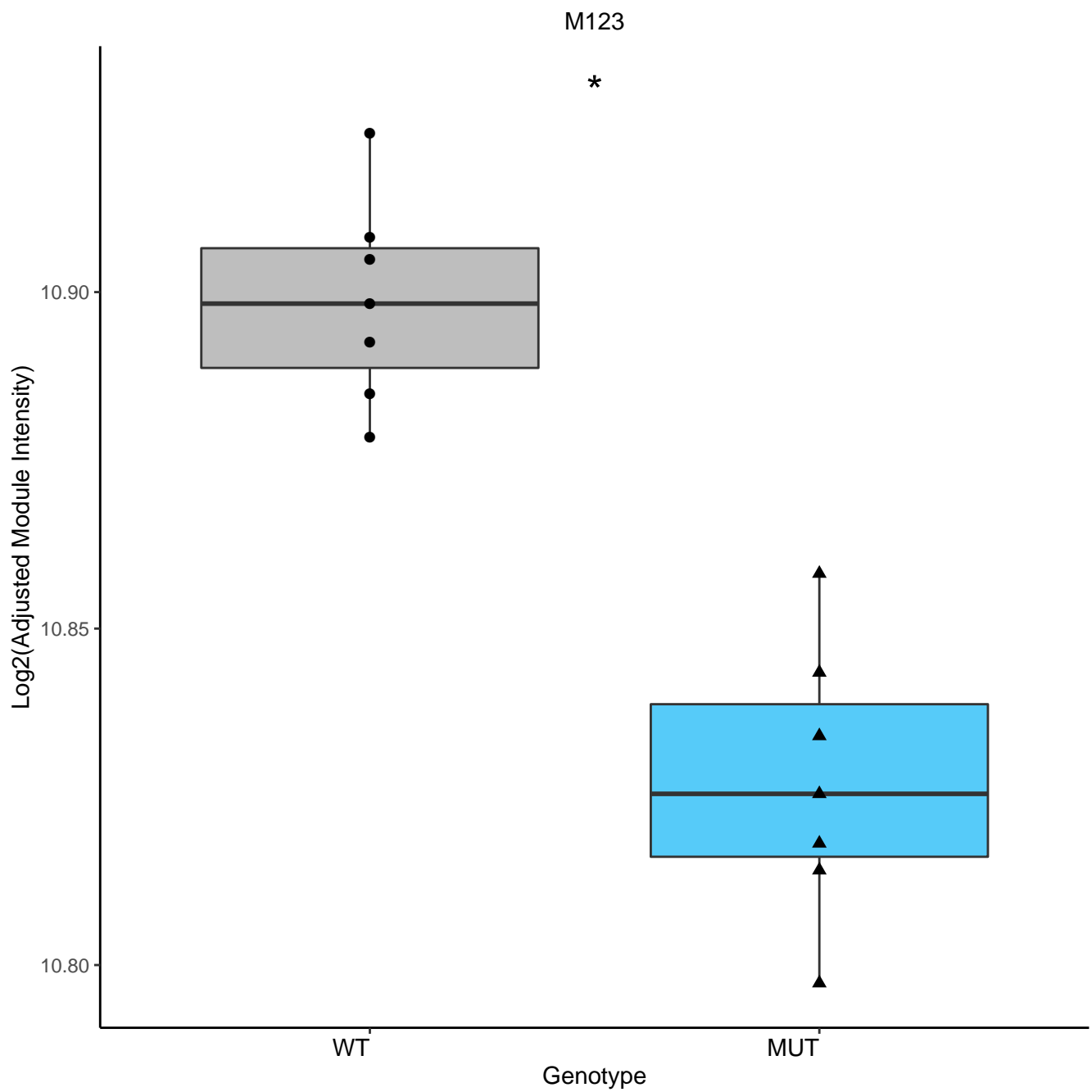
11.04

WT

MUT

Genotype





M124

Log2(Adjusted Module Intensity)

15.00

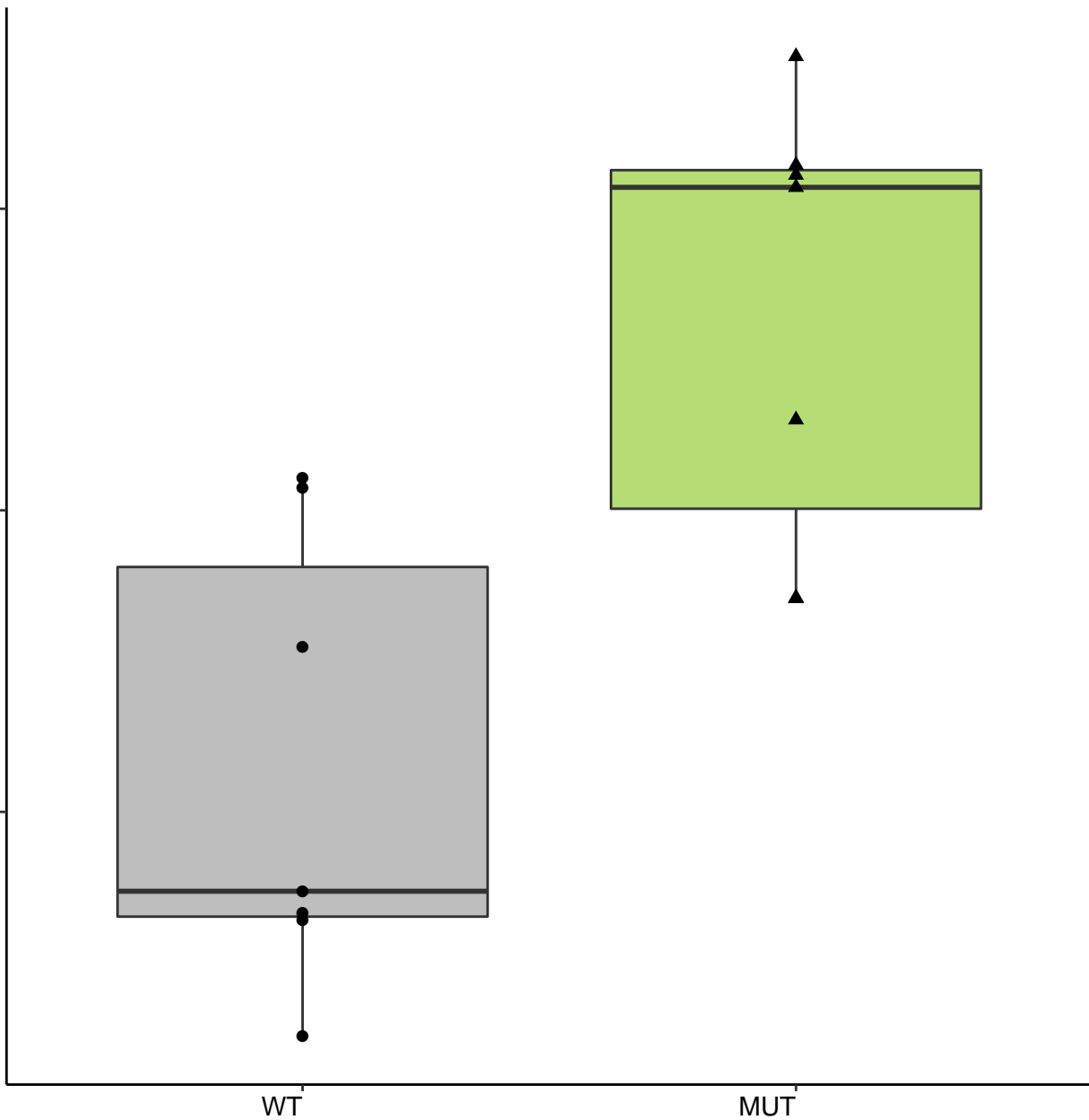
14.98

14.96

WT

Genotype

MUT



M125

Log2(Adjusted Module Intensity)

12.76

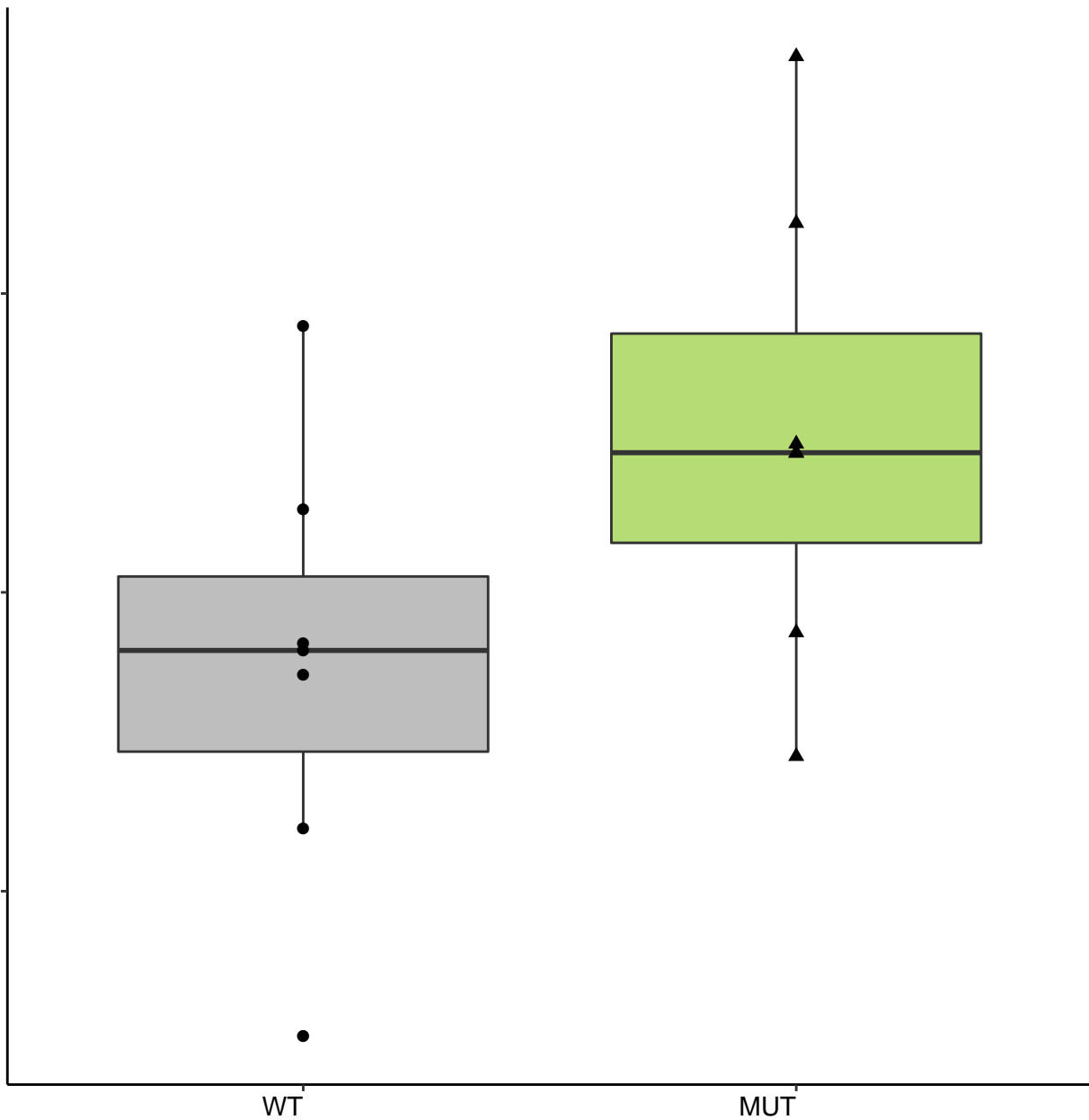
12.75

12.74

WT

Genotype

MUT



M126

Log2(Adjusted Module Intensity)

11.48

11.46

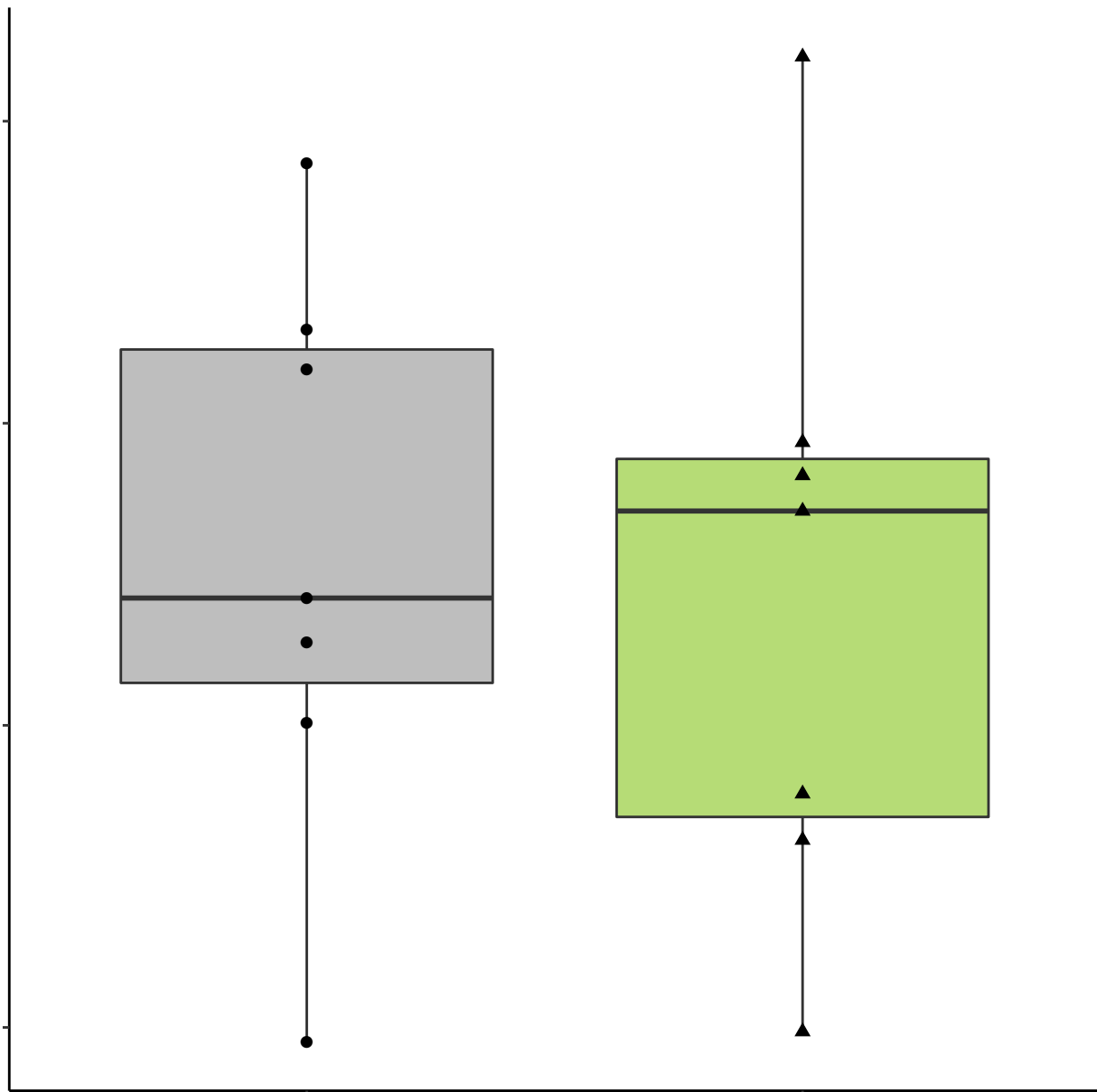
11.44

11.42

WT

Genotype

MUT



M127

Log2(Adjusted Module Intensity)

11.23

11.22

11.21

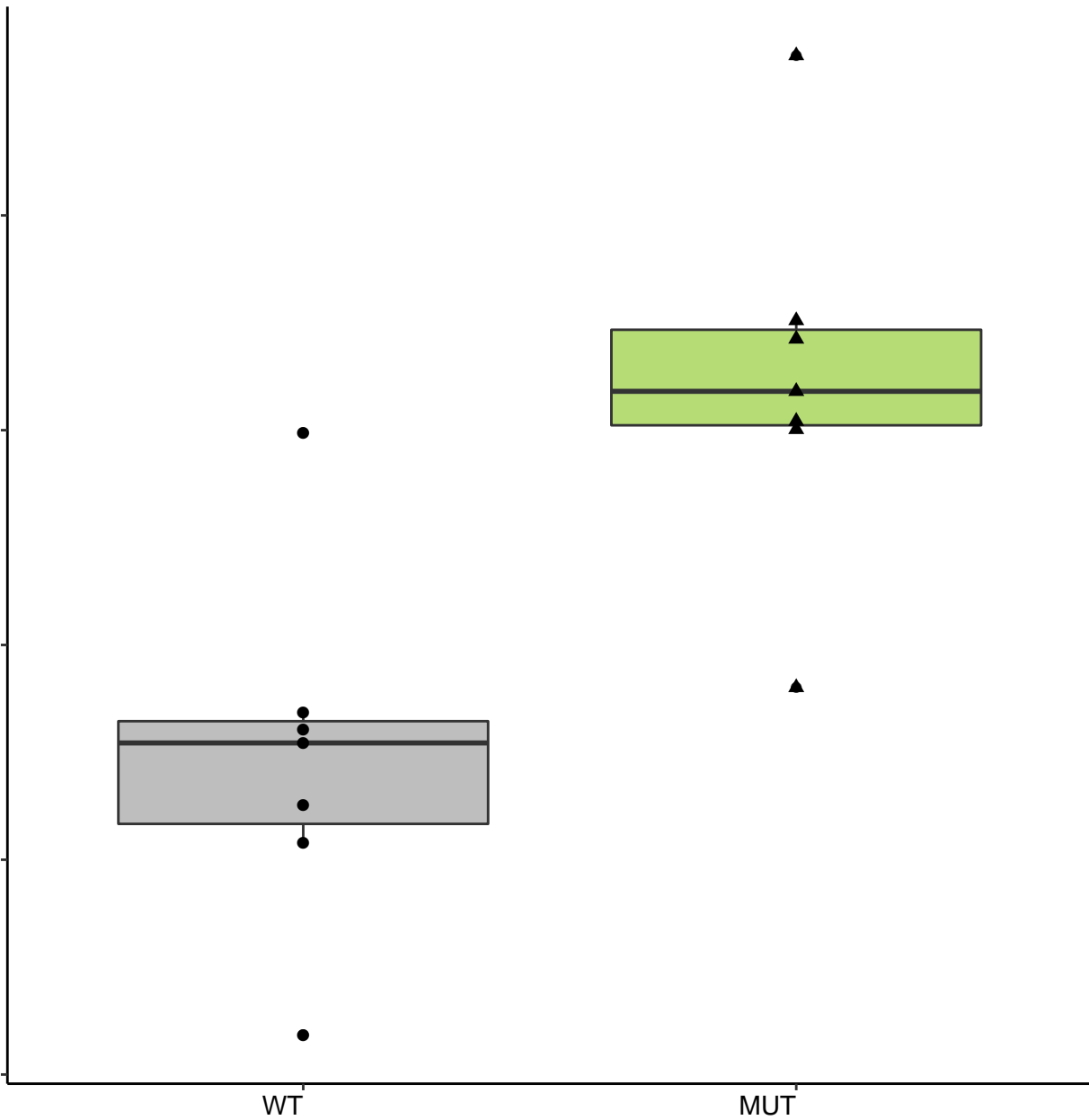
11.20

11.19

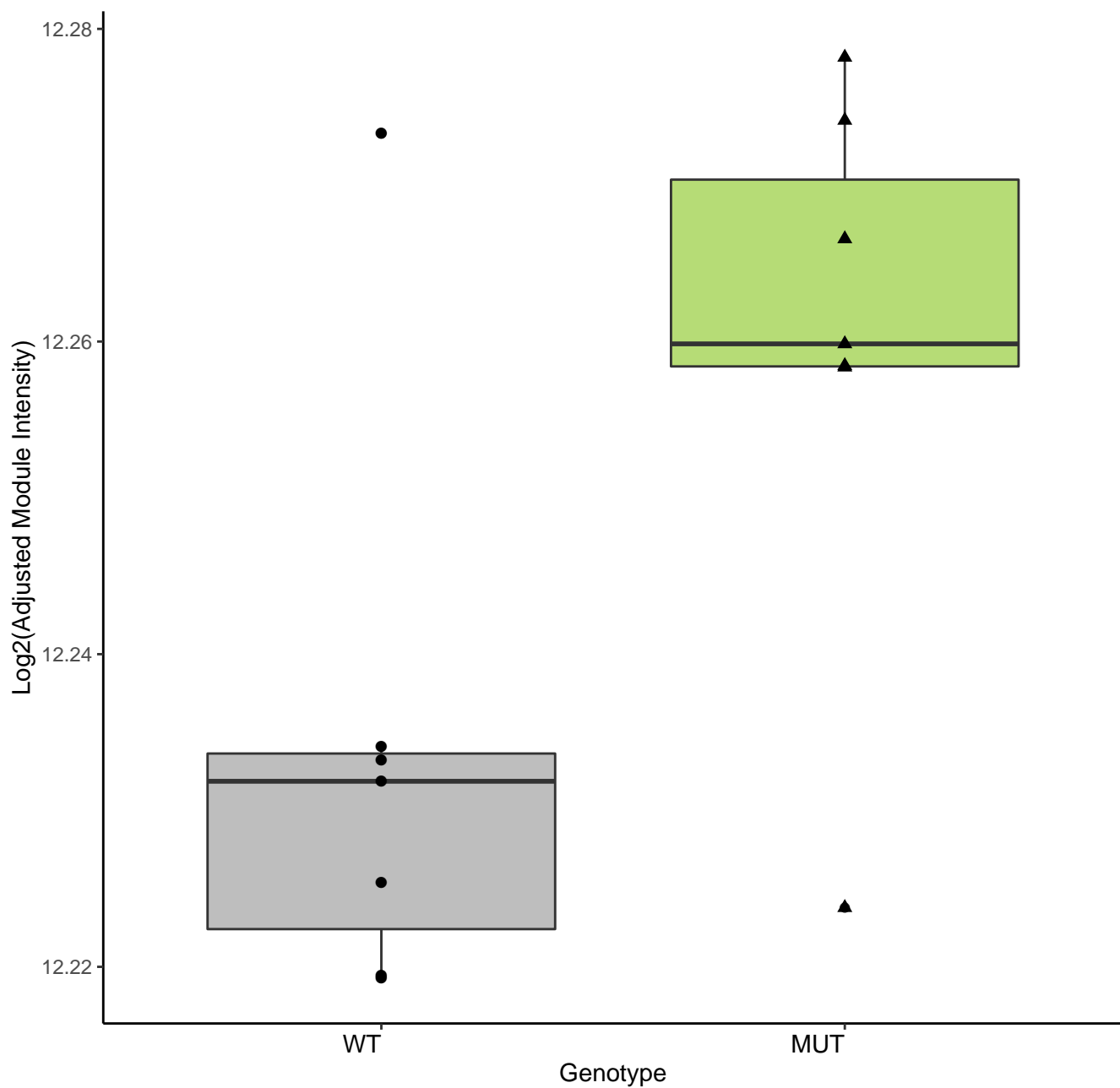
WT

MUT

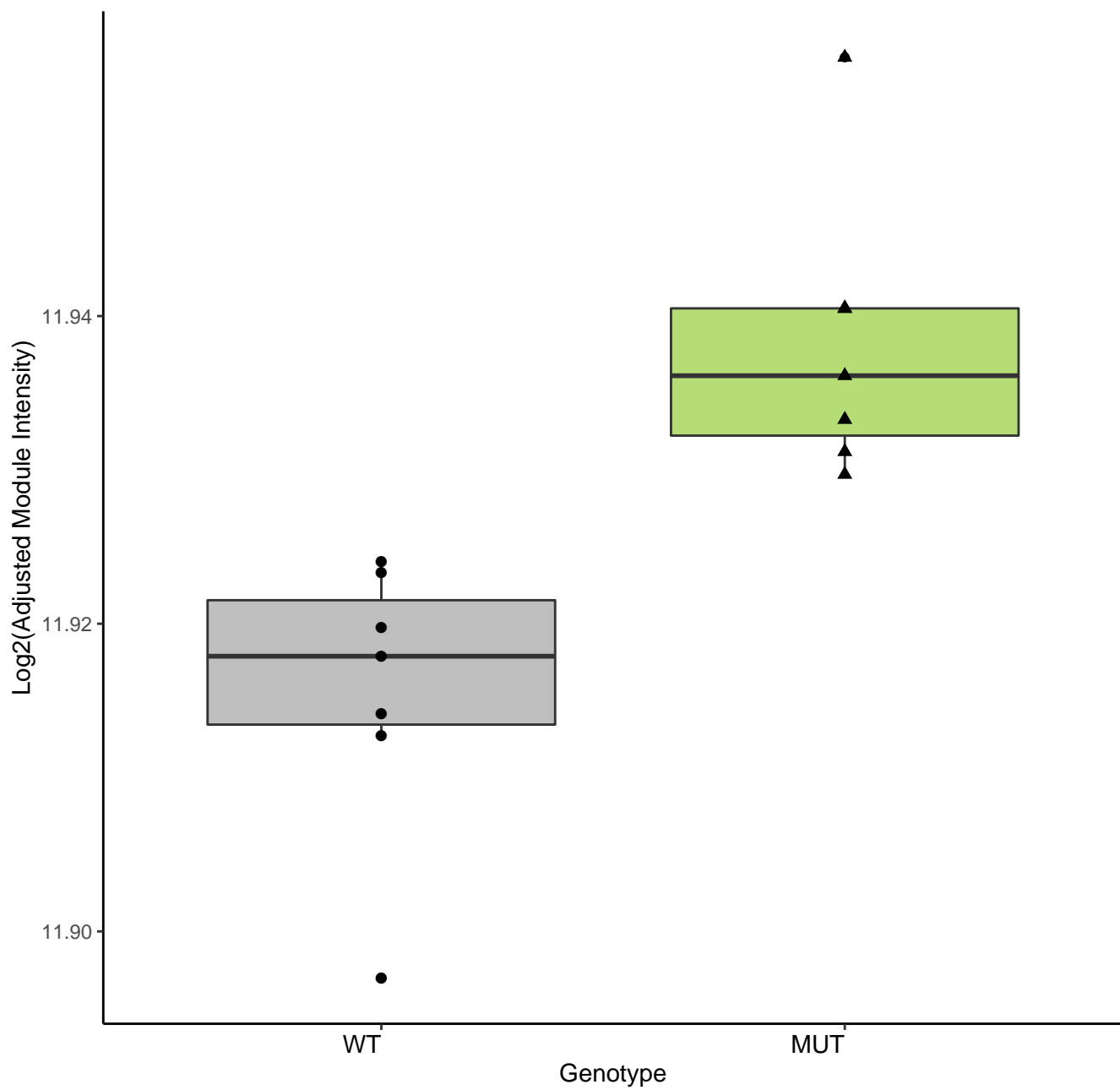
Genotype



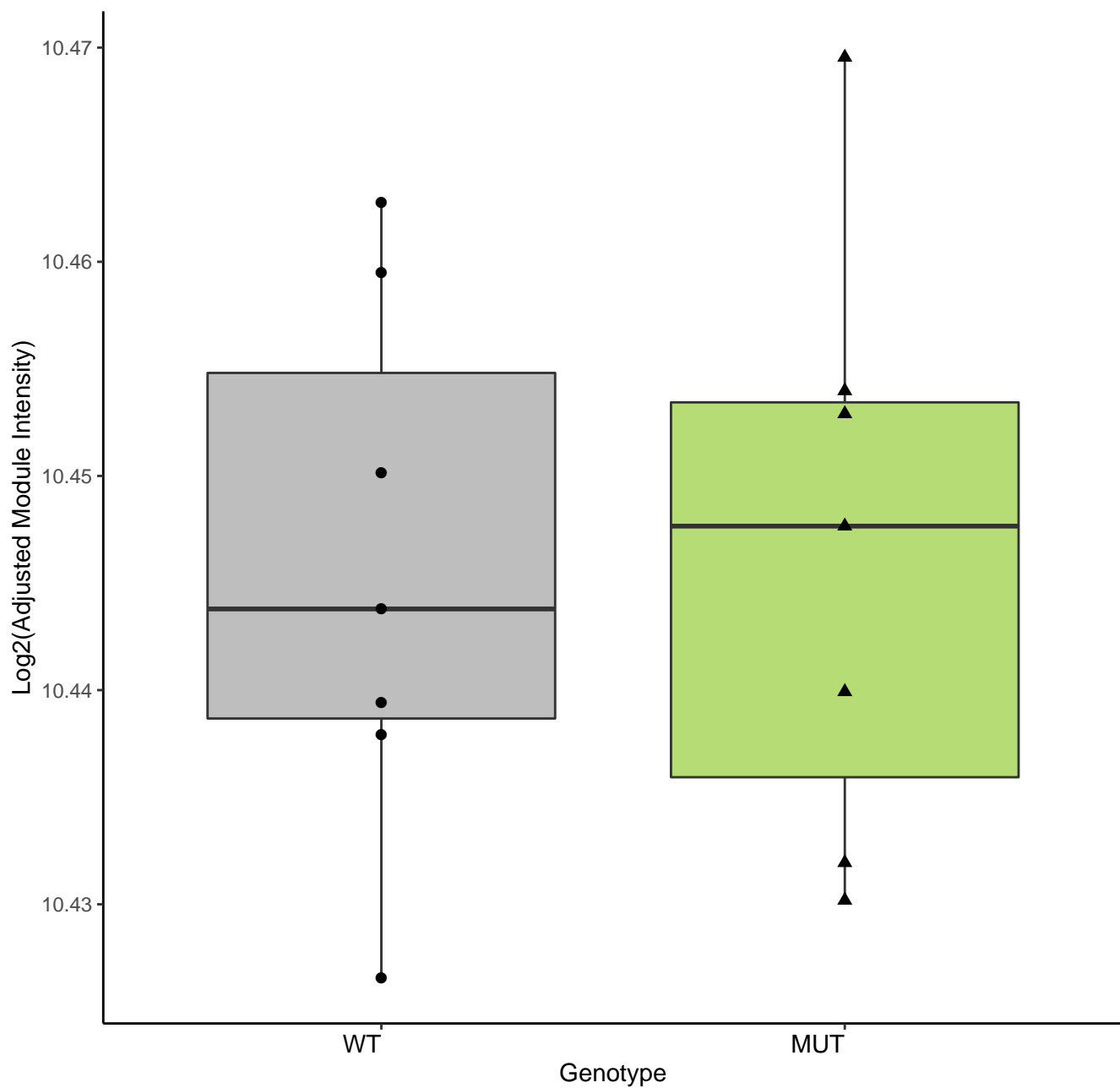
M128



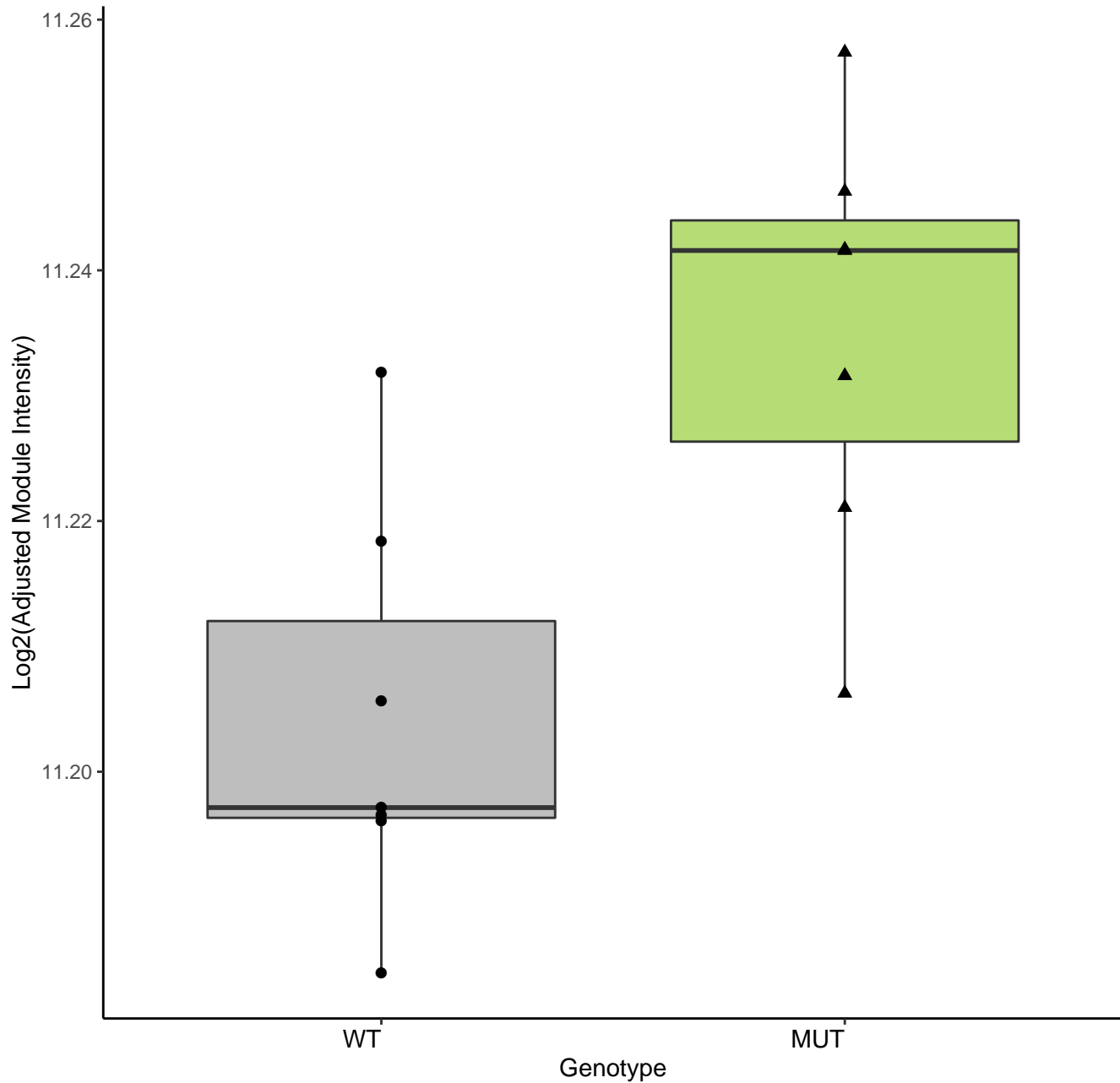
M129



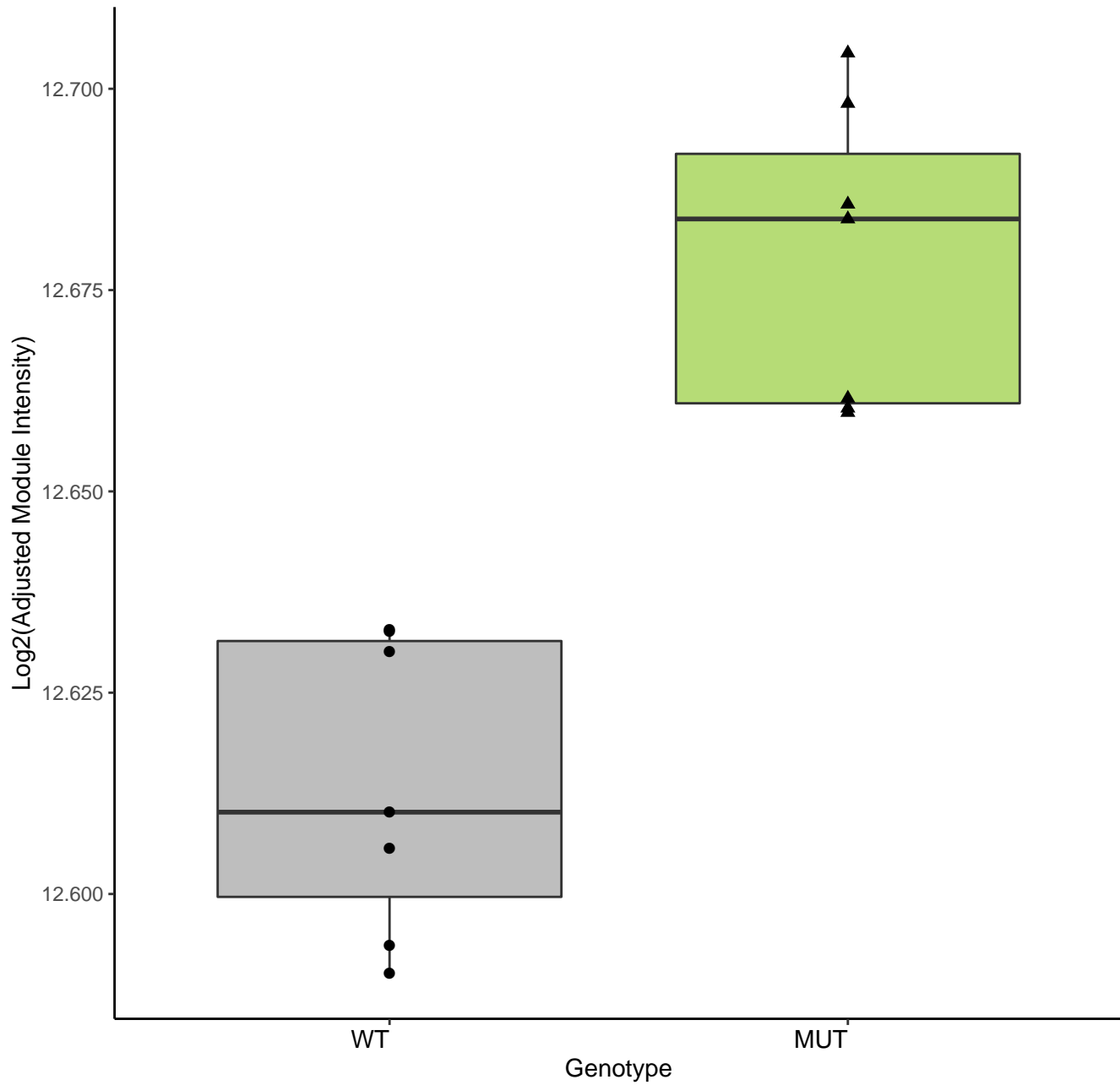
M130



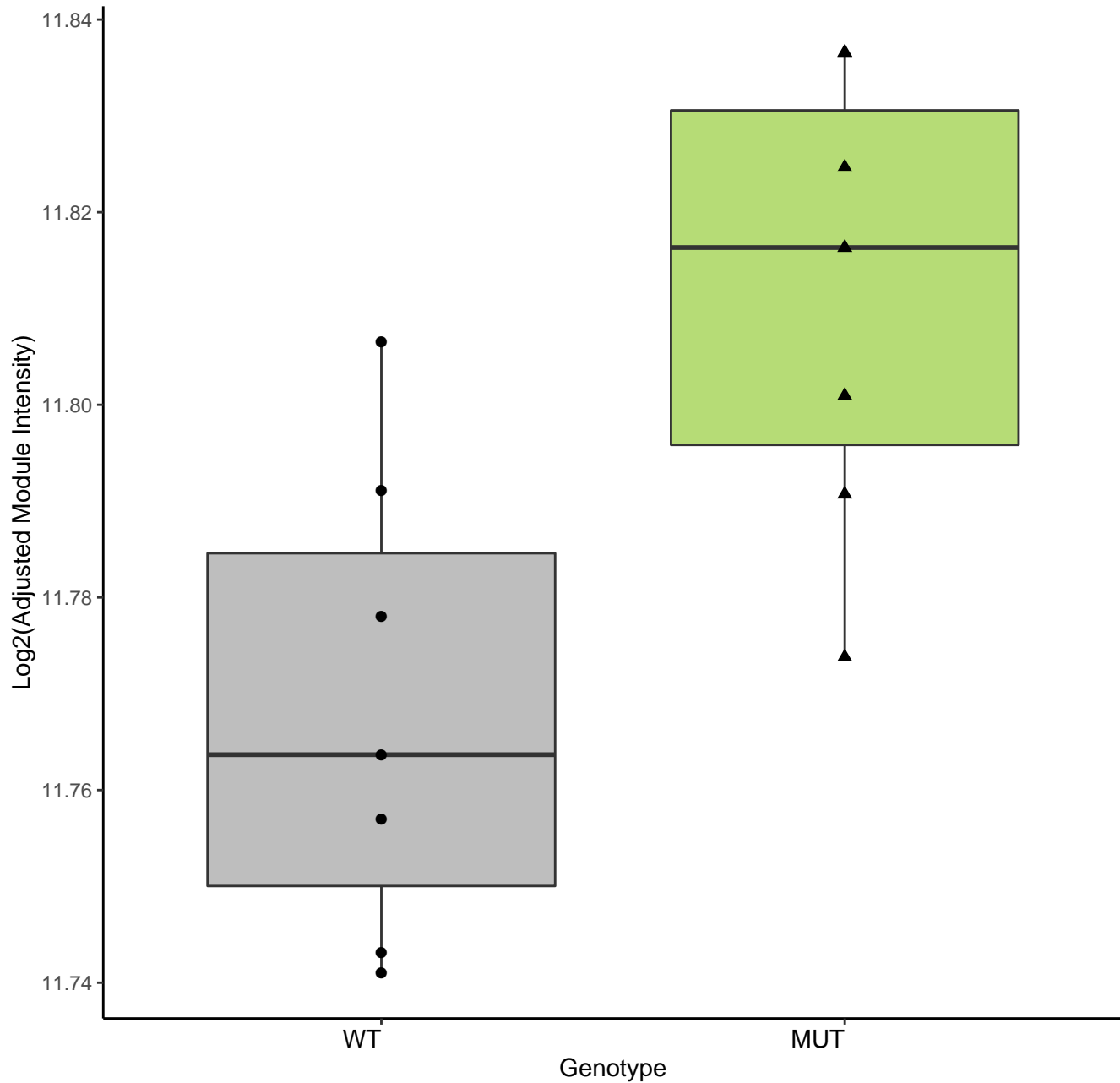
M131



M132



M133



M134

Log2(Adjusted Module Intensity)

12.175

12.150

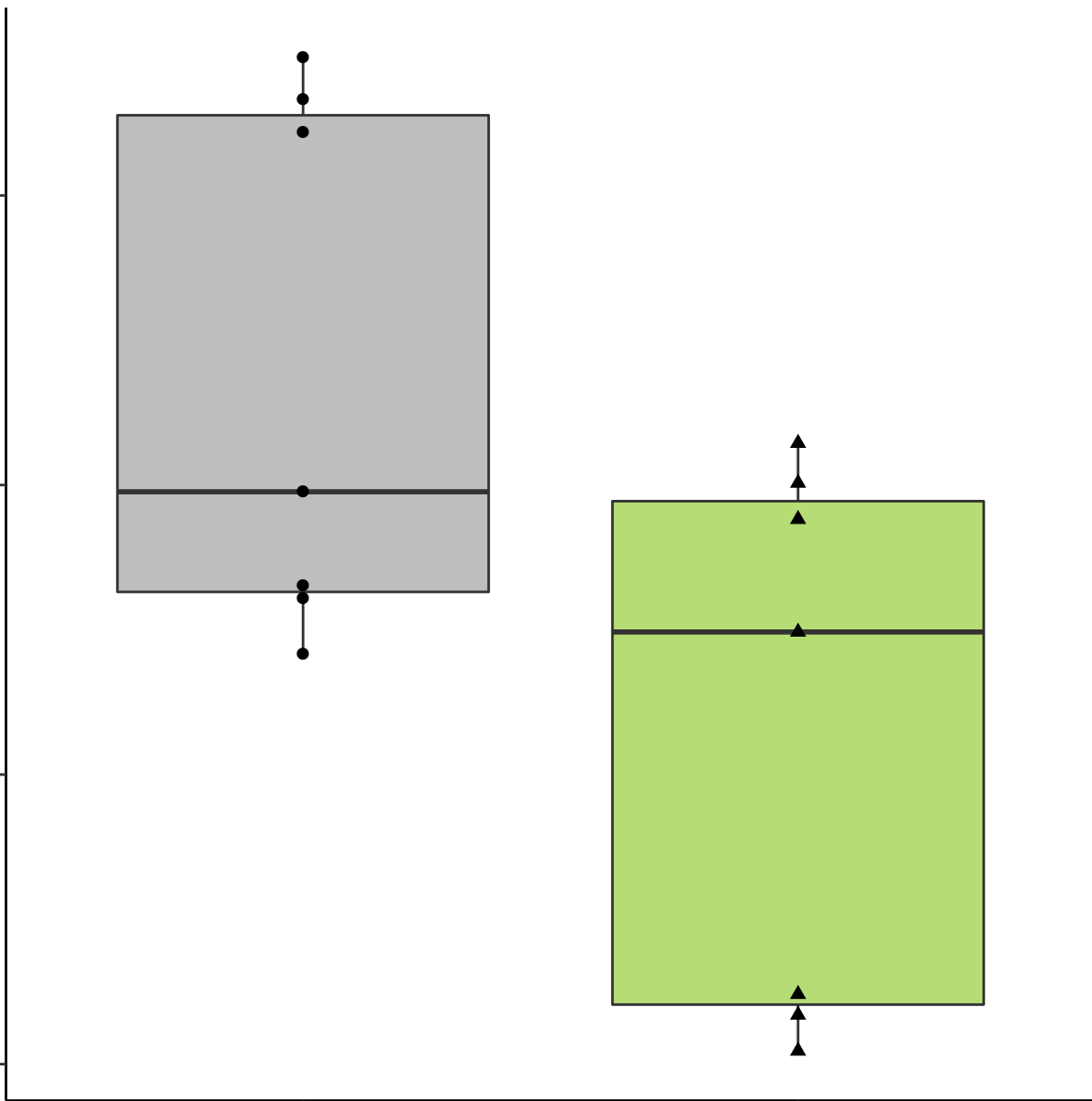
12.125

12.100

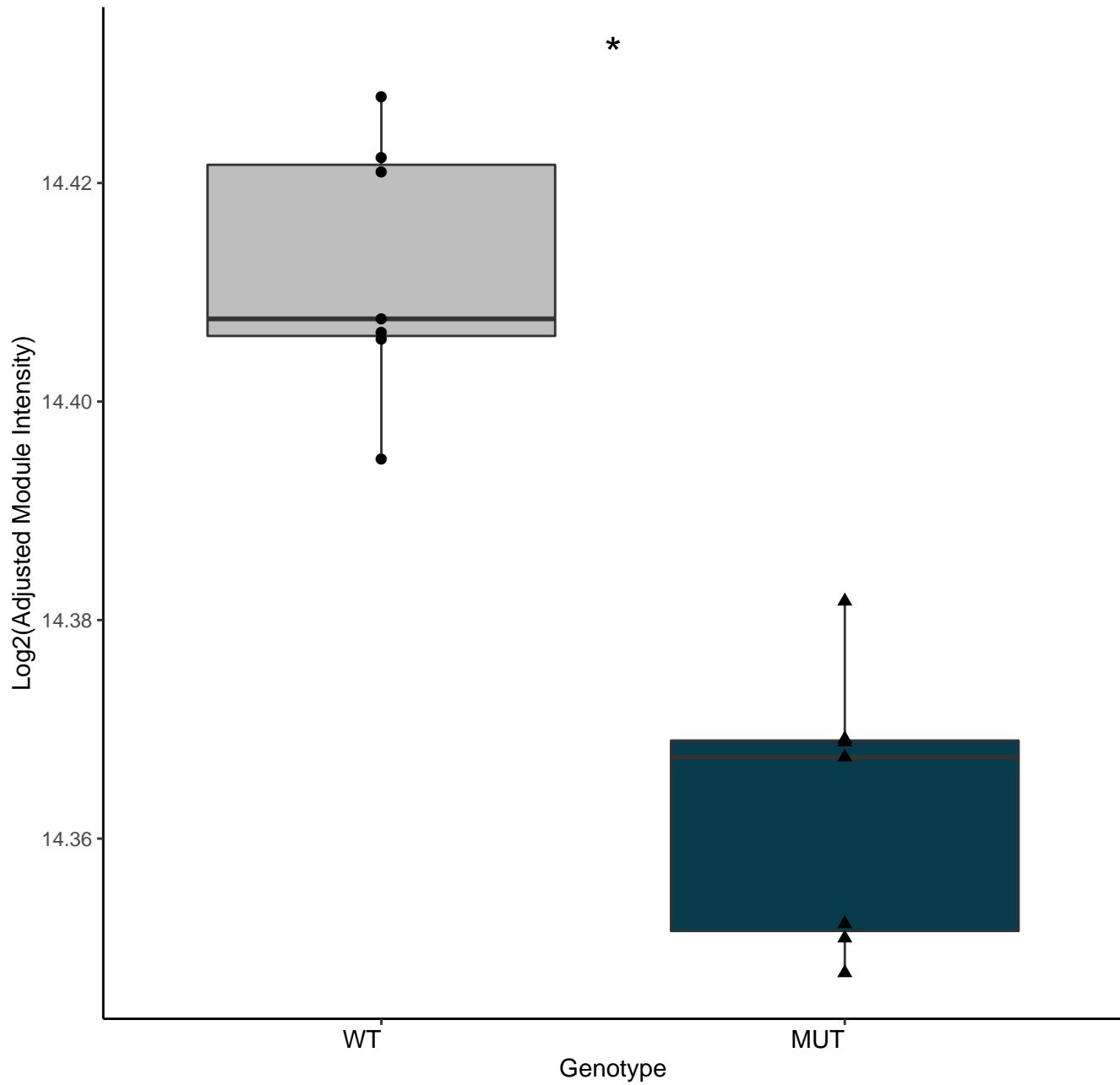
WT

Genotype

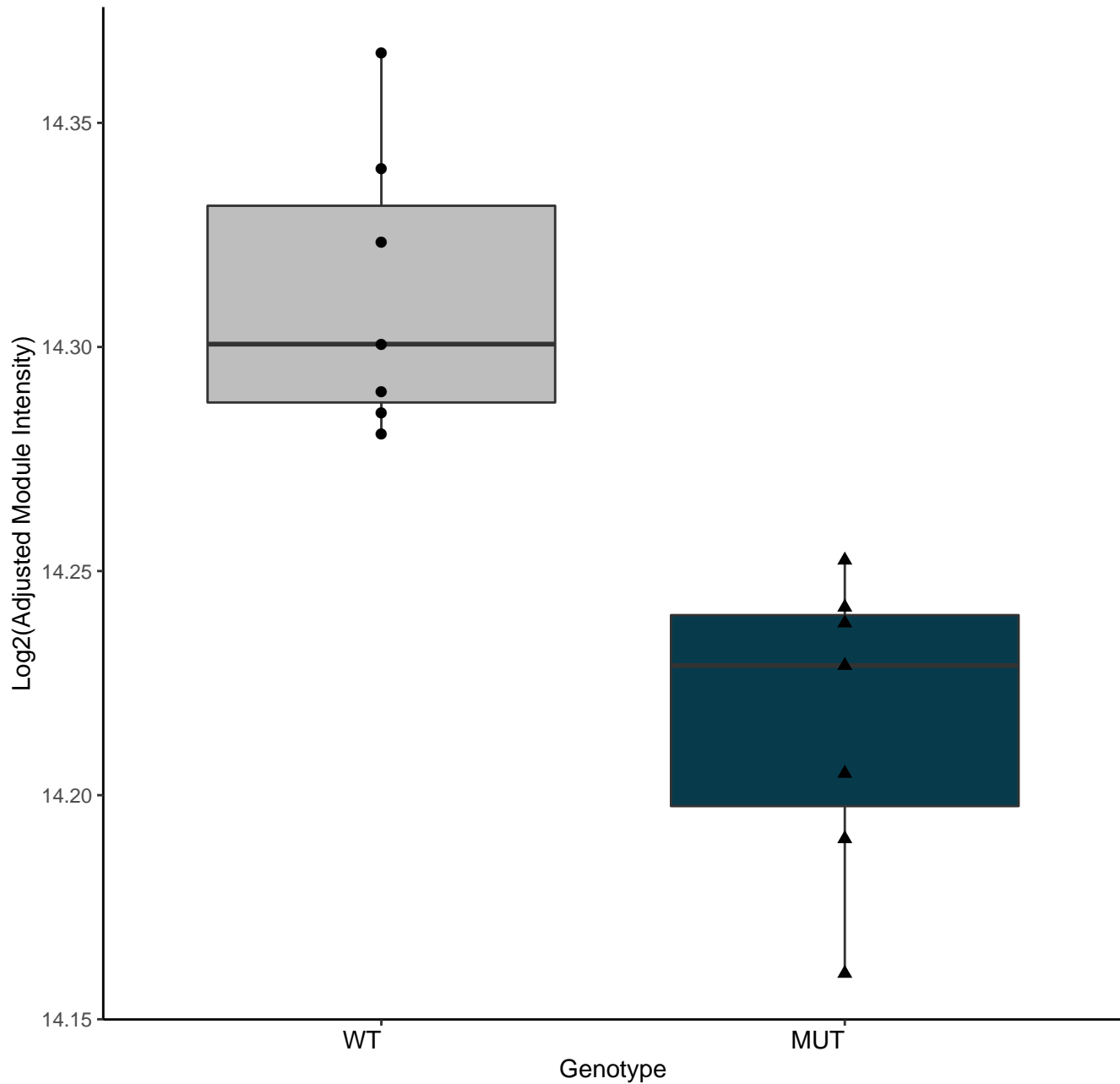
MUT



M135



M136



M137

Log2(Adjusted Module Intensity)

13.68

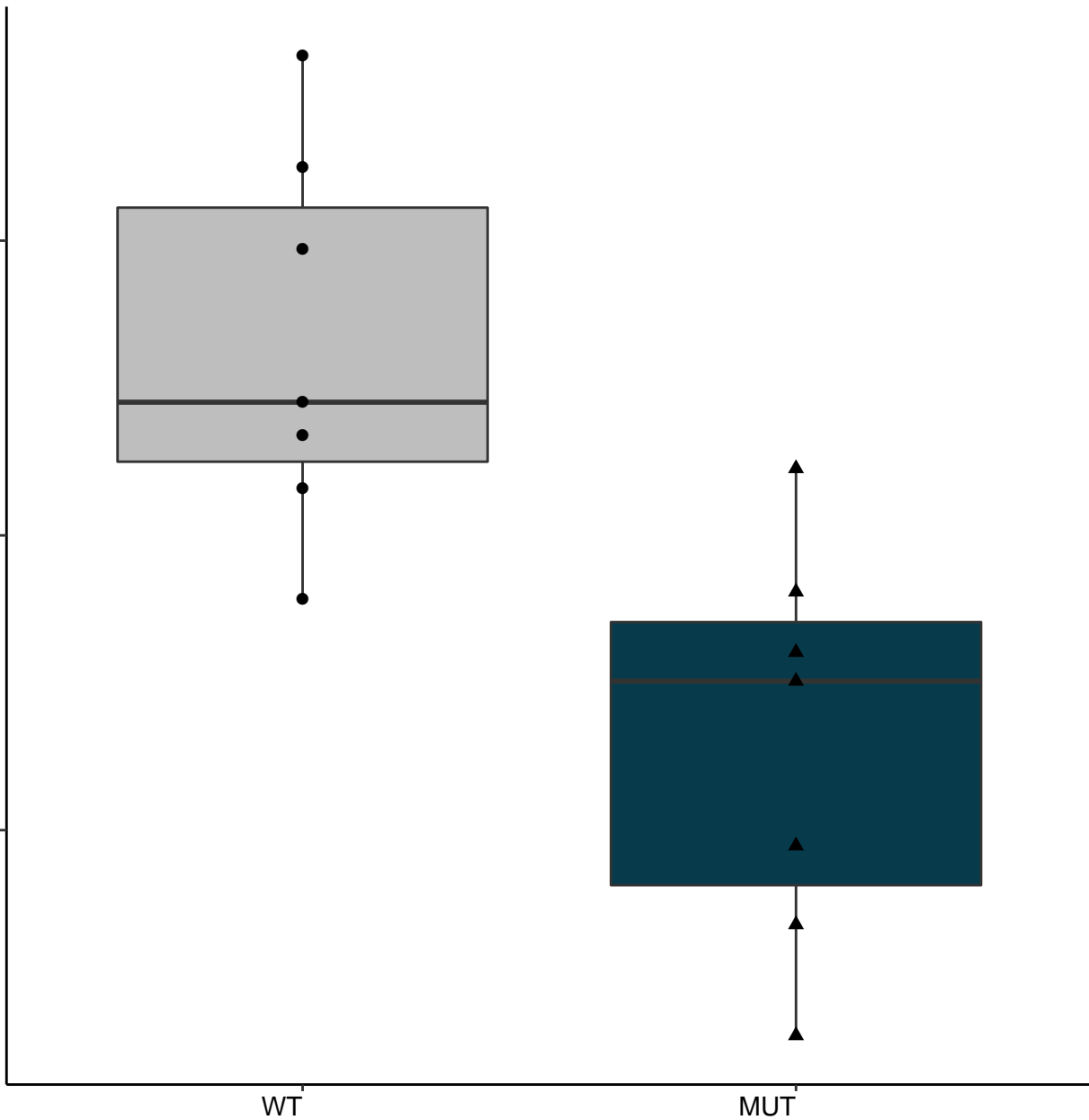
13.64

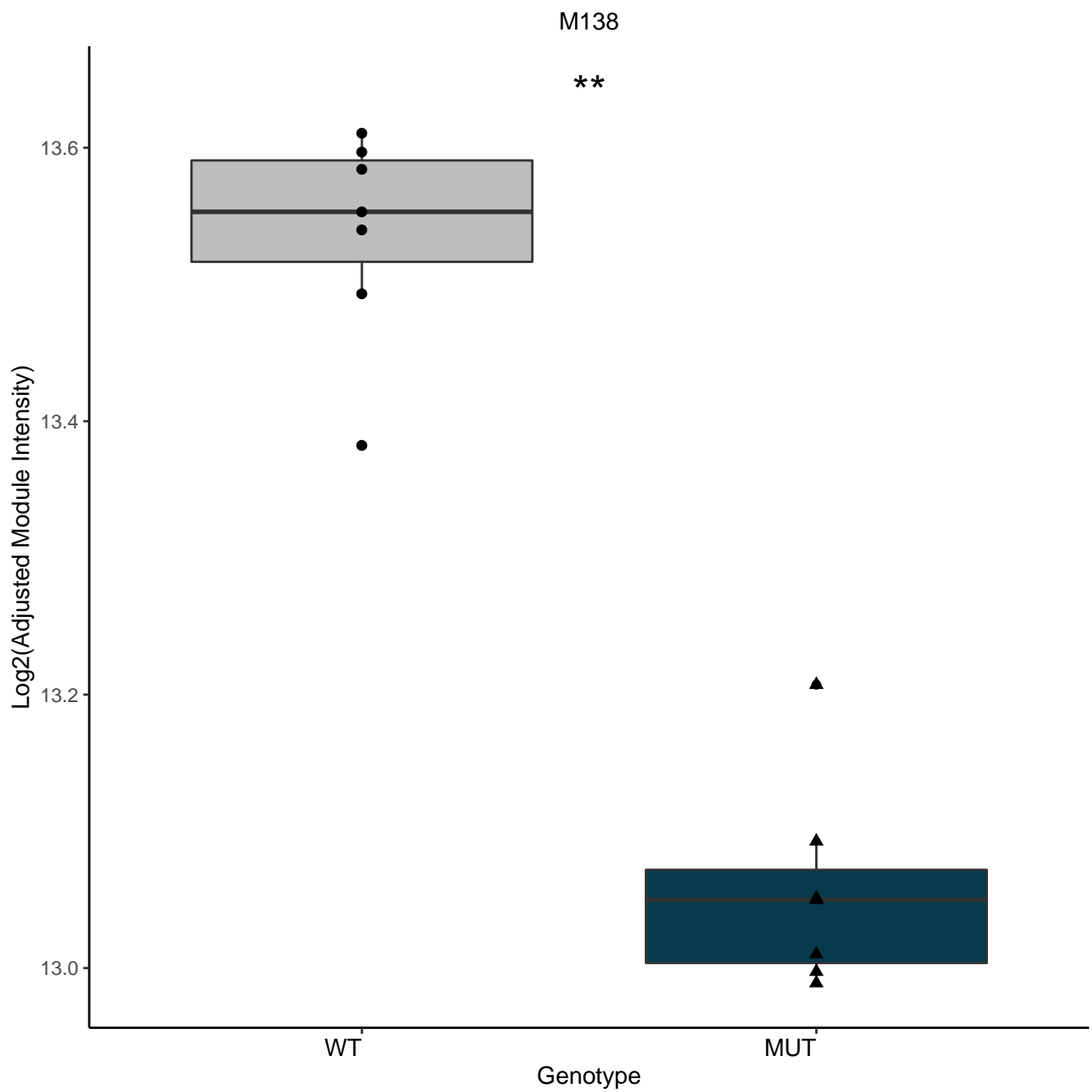
13.60

WT

Genotype

MUT





M139

Log2(Adjusted Module Intensity)

12.2

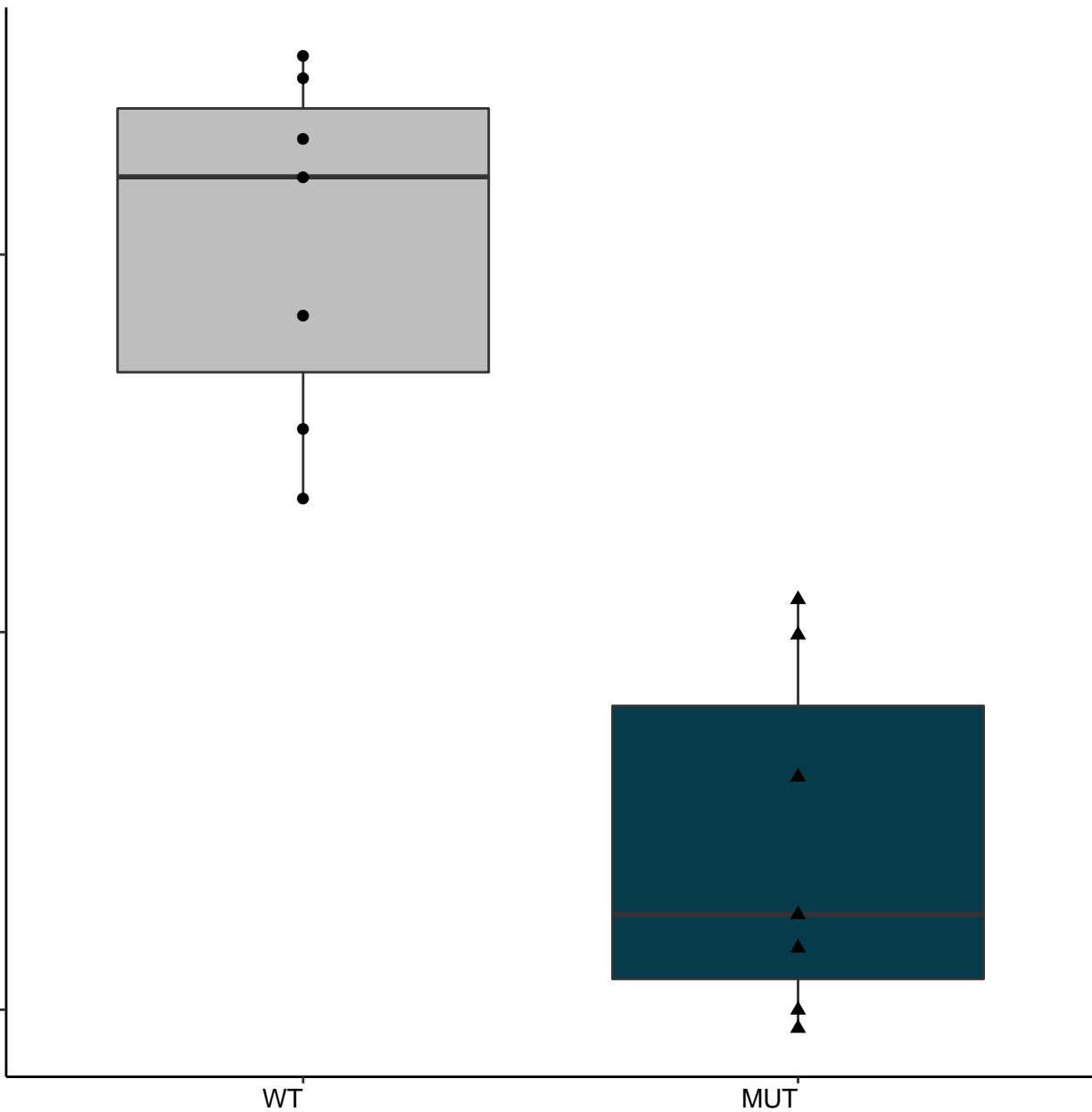
12.1

12.0

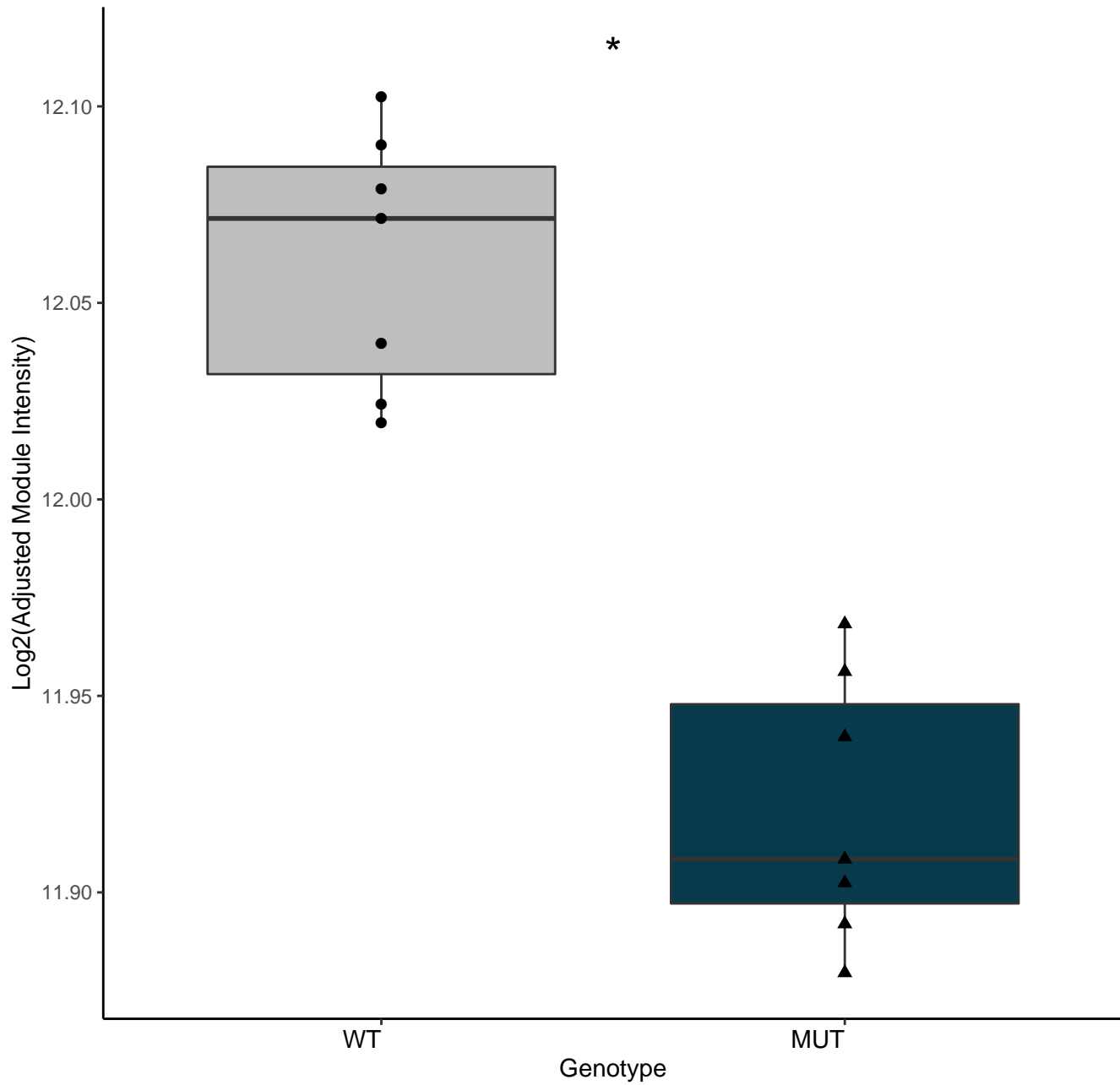
WT

Genotype

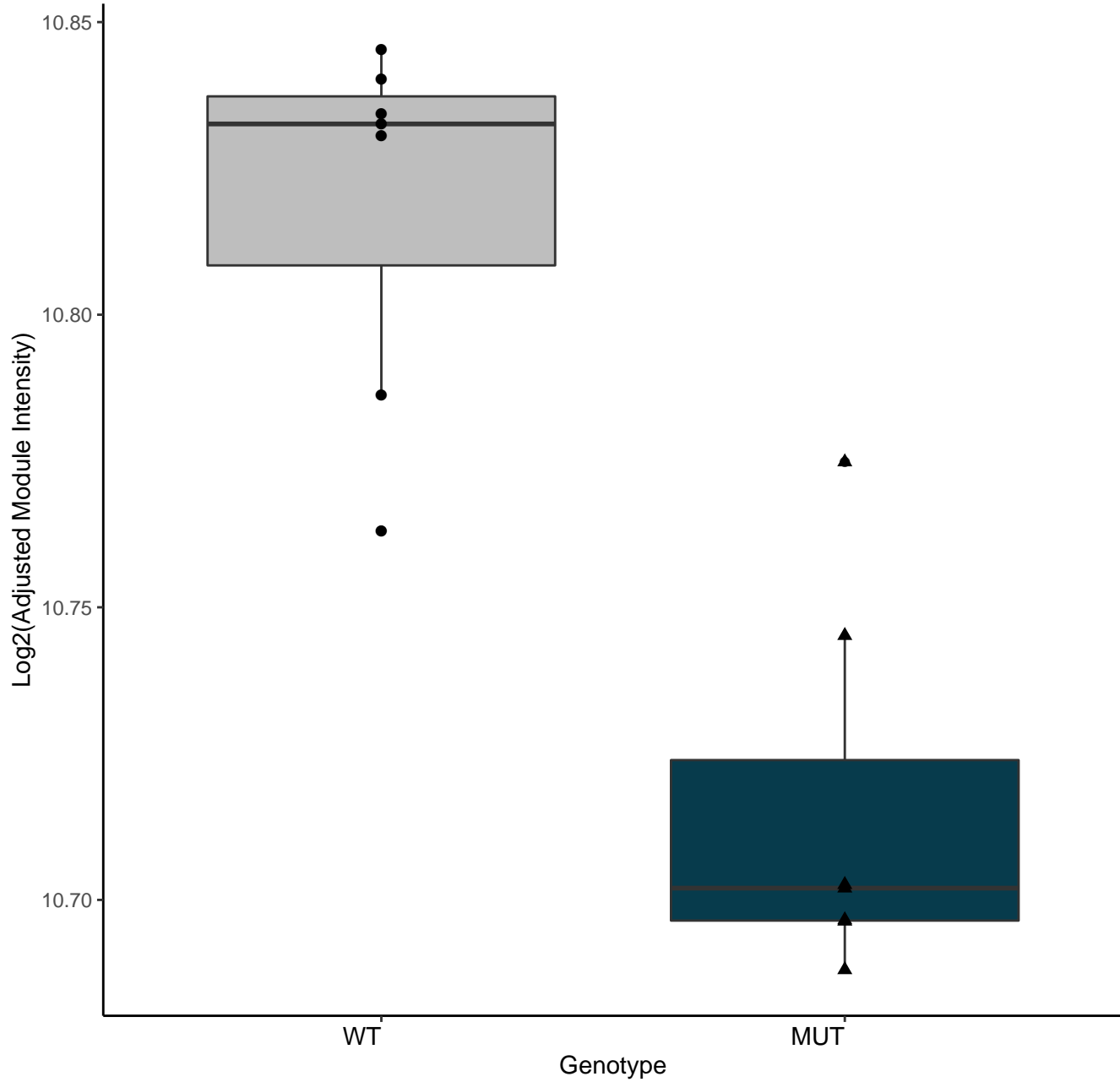
MUT



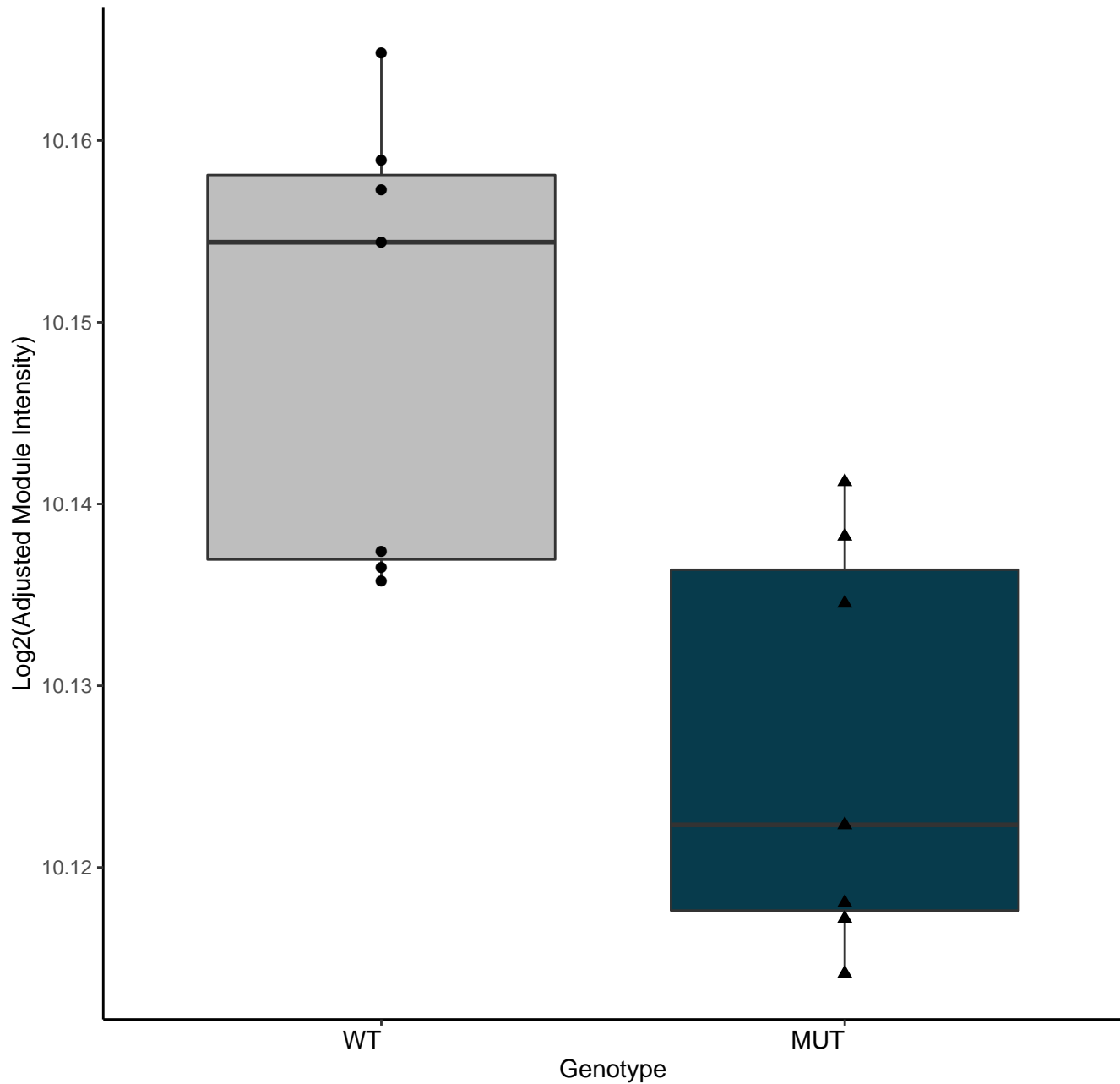
M140



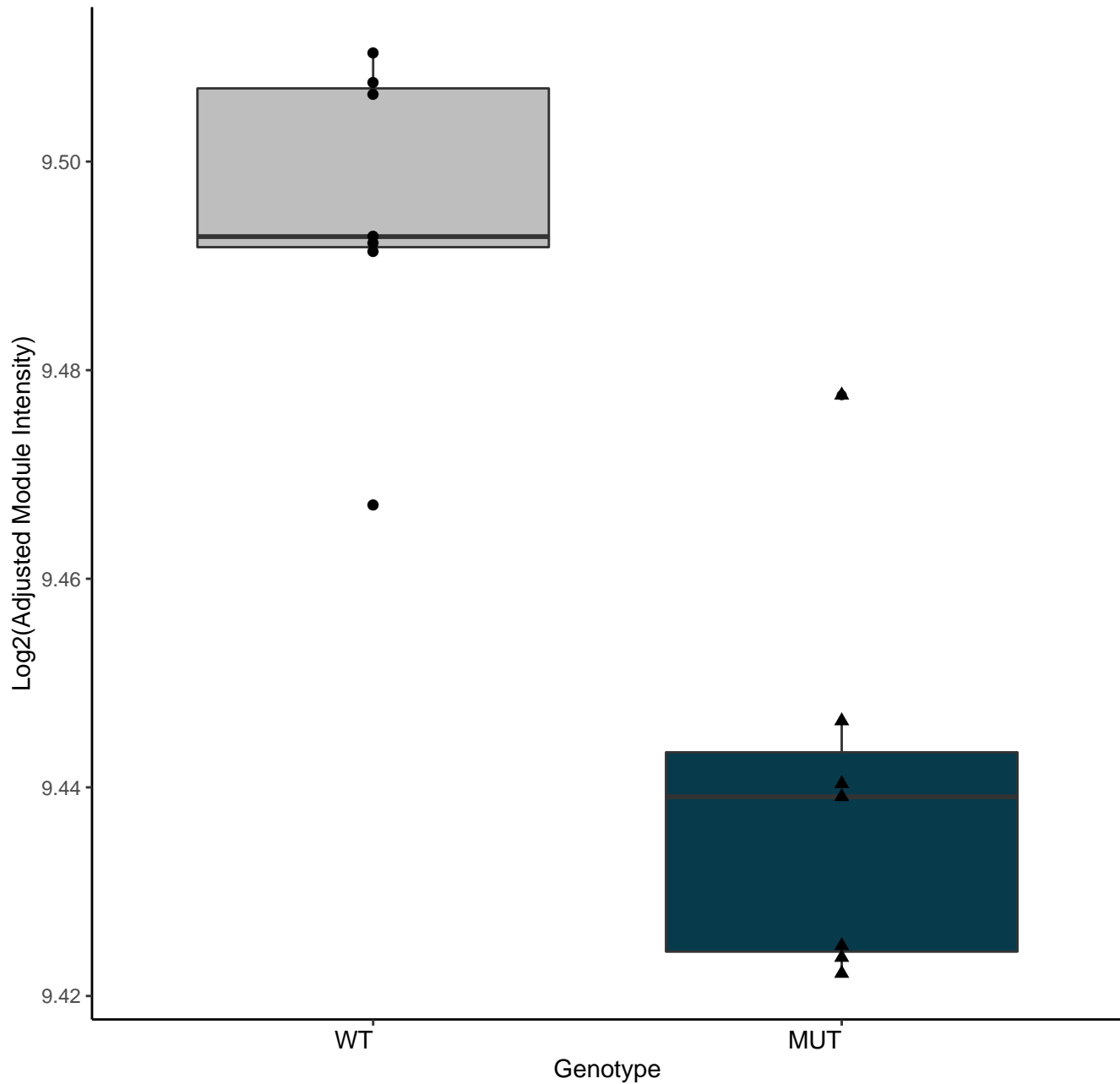
M141



M142



M143



M144

Log2(Adjusted Module Intensity)

14.54

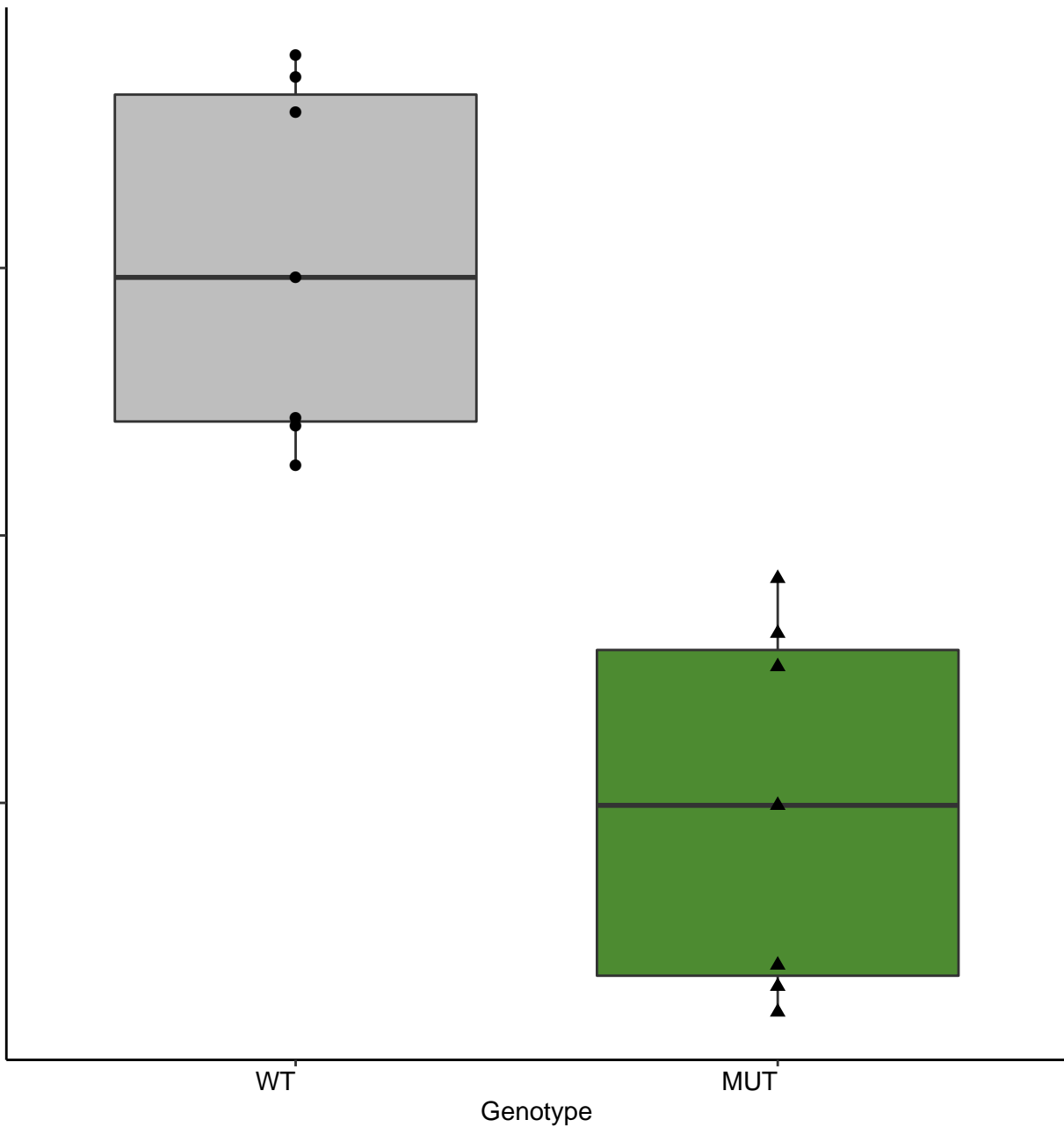
14.50

14.46

WT

Genotype

MUT



M145

Log2(Adjusted Module Intensity)

14.04

14.00

13.96

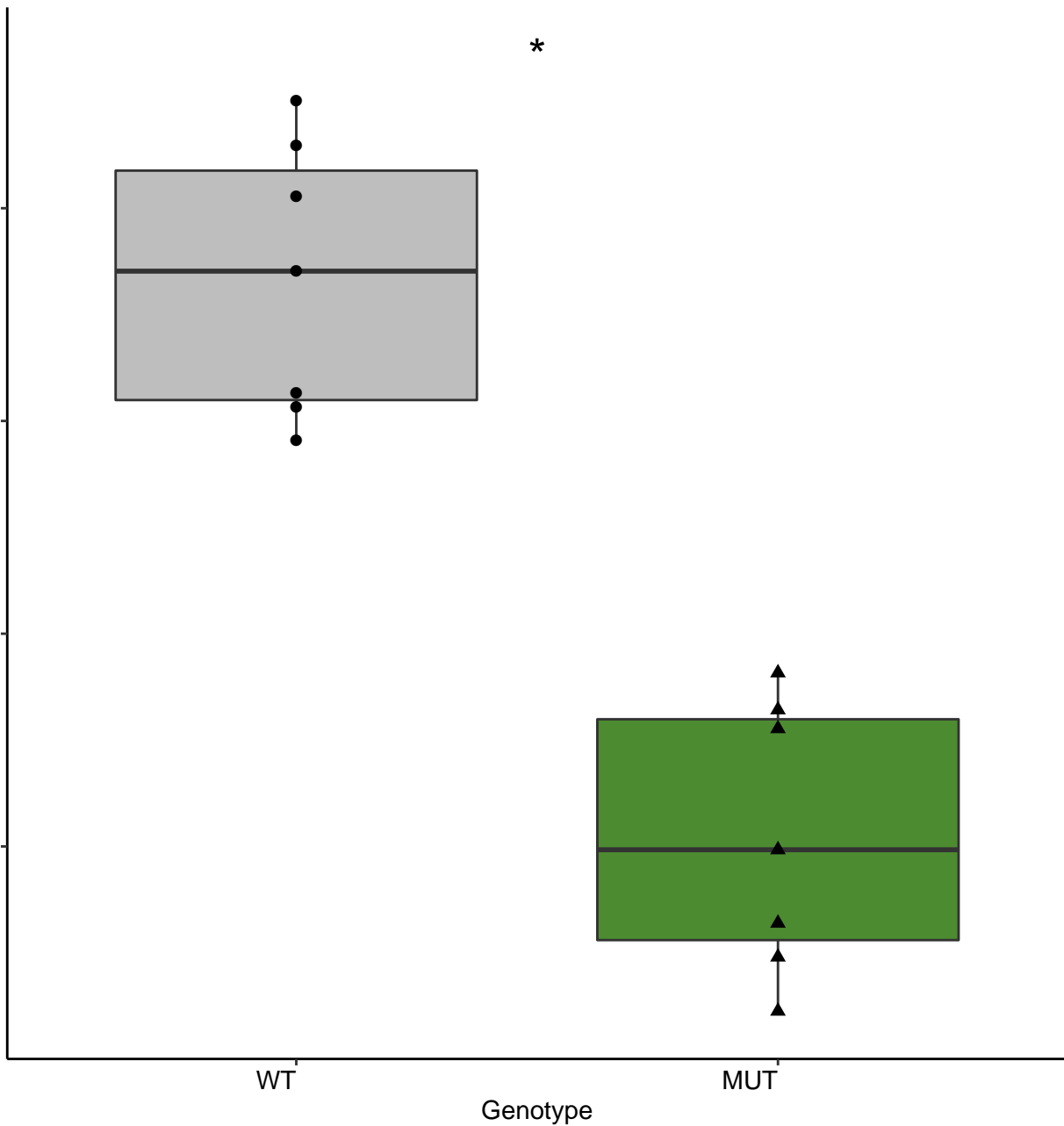
13.92

WT

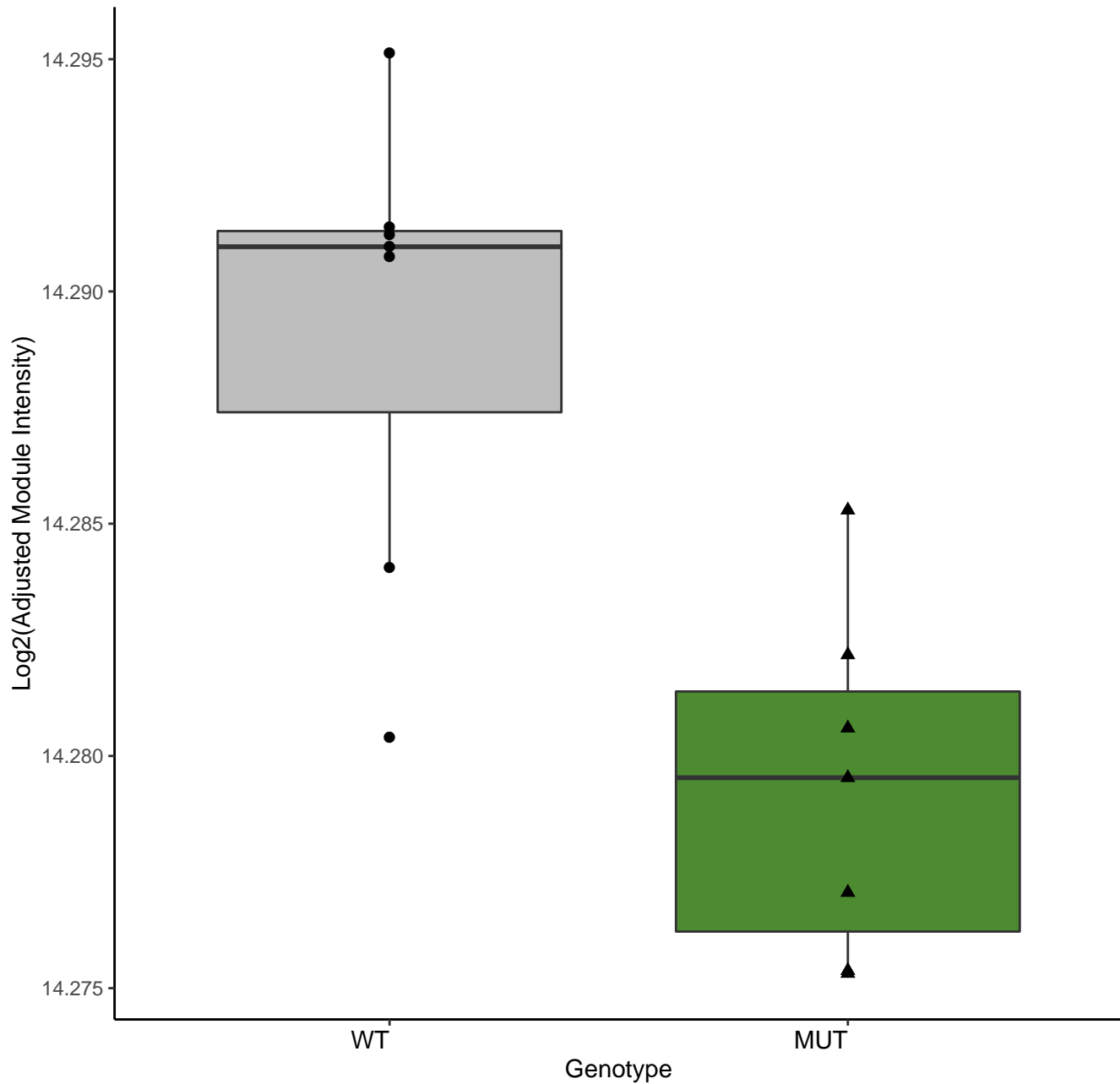
Genotype

MUT

*



M146



M147

Log2(Adjusted Module Intensity)

14.725

14.700

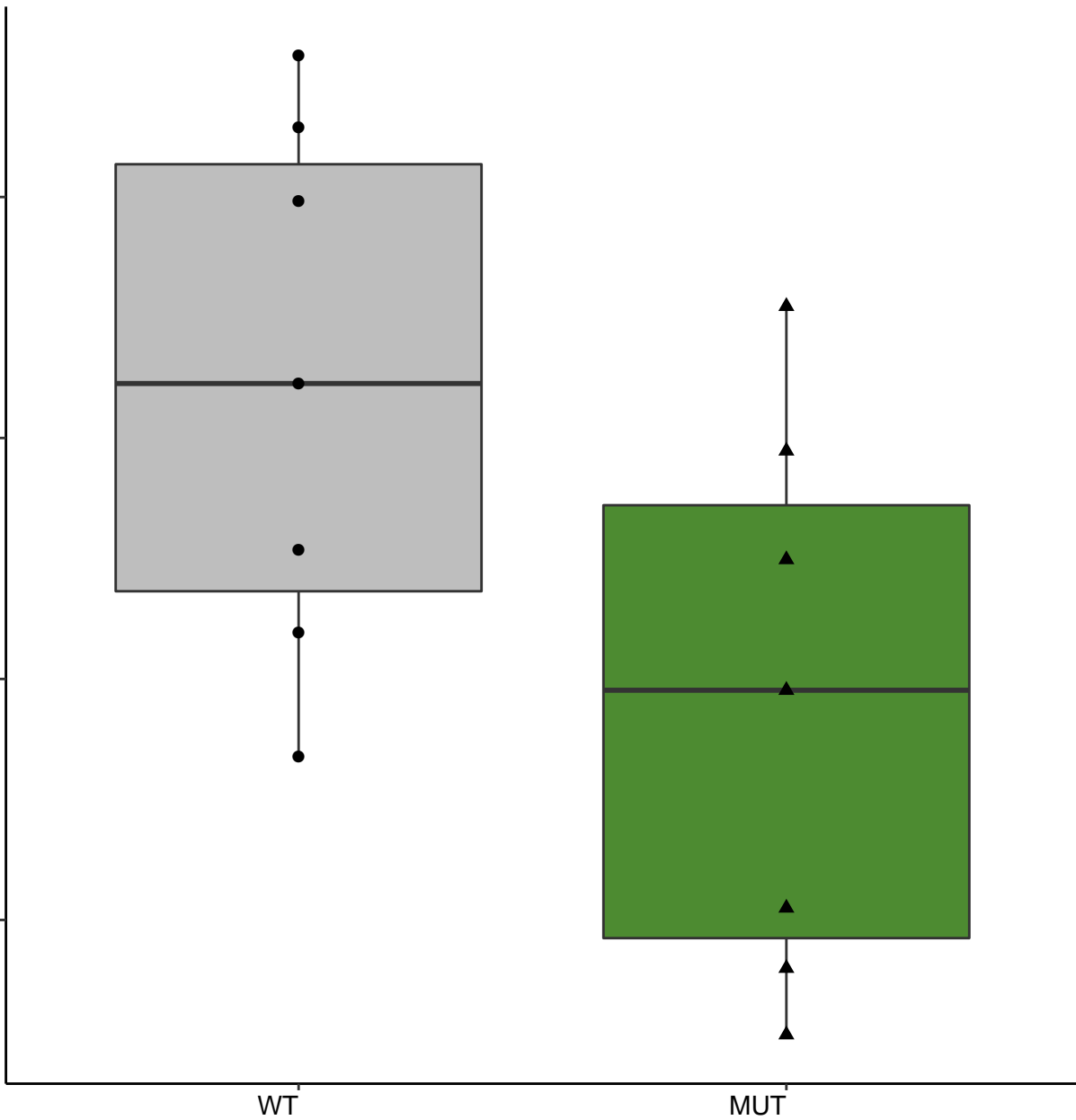
14.675

14.650

WT

Genotype

MUT



M148

Log2(Adjusted Module Intensity)

13.34

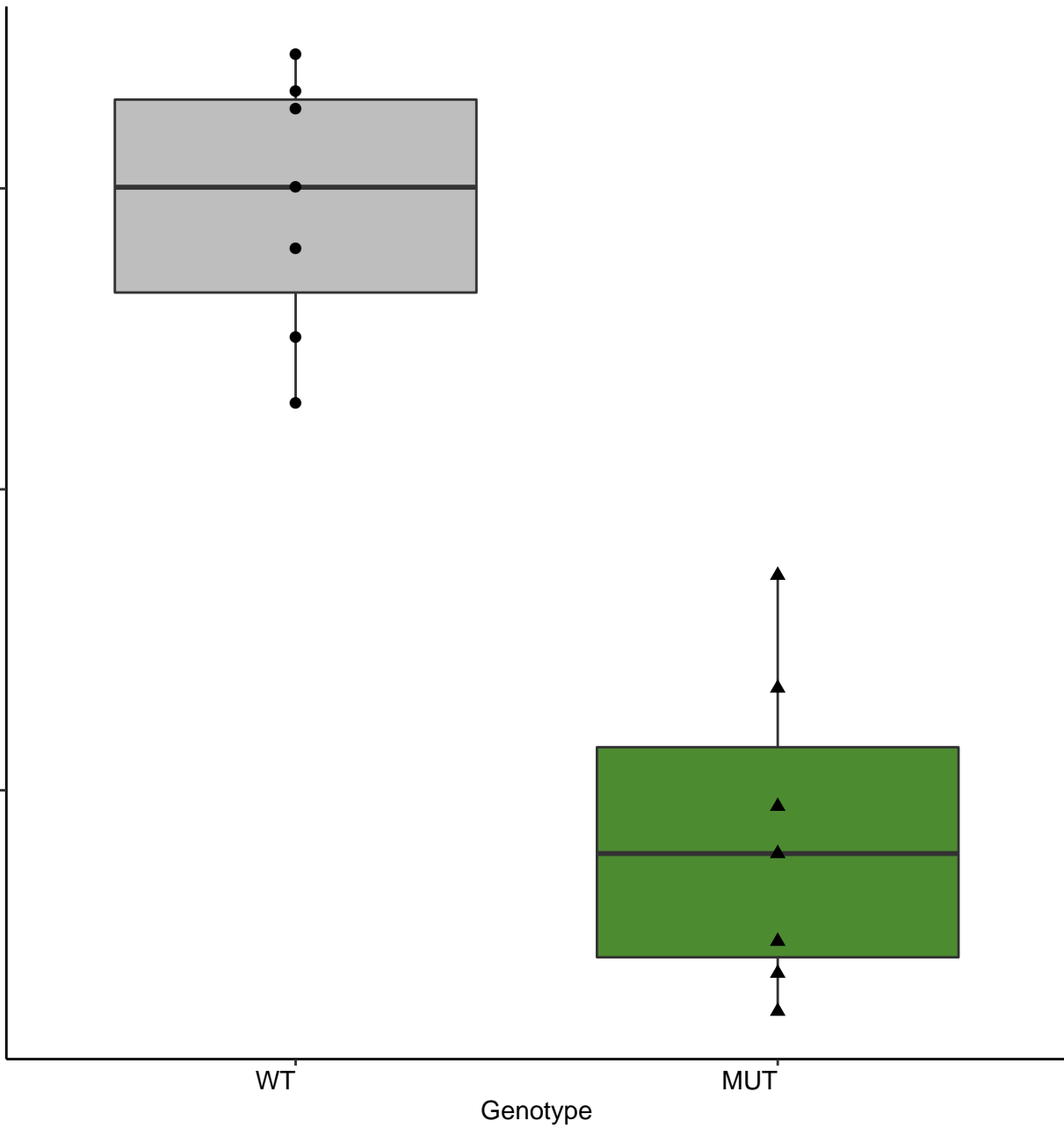
13.32

13.30

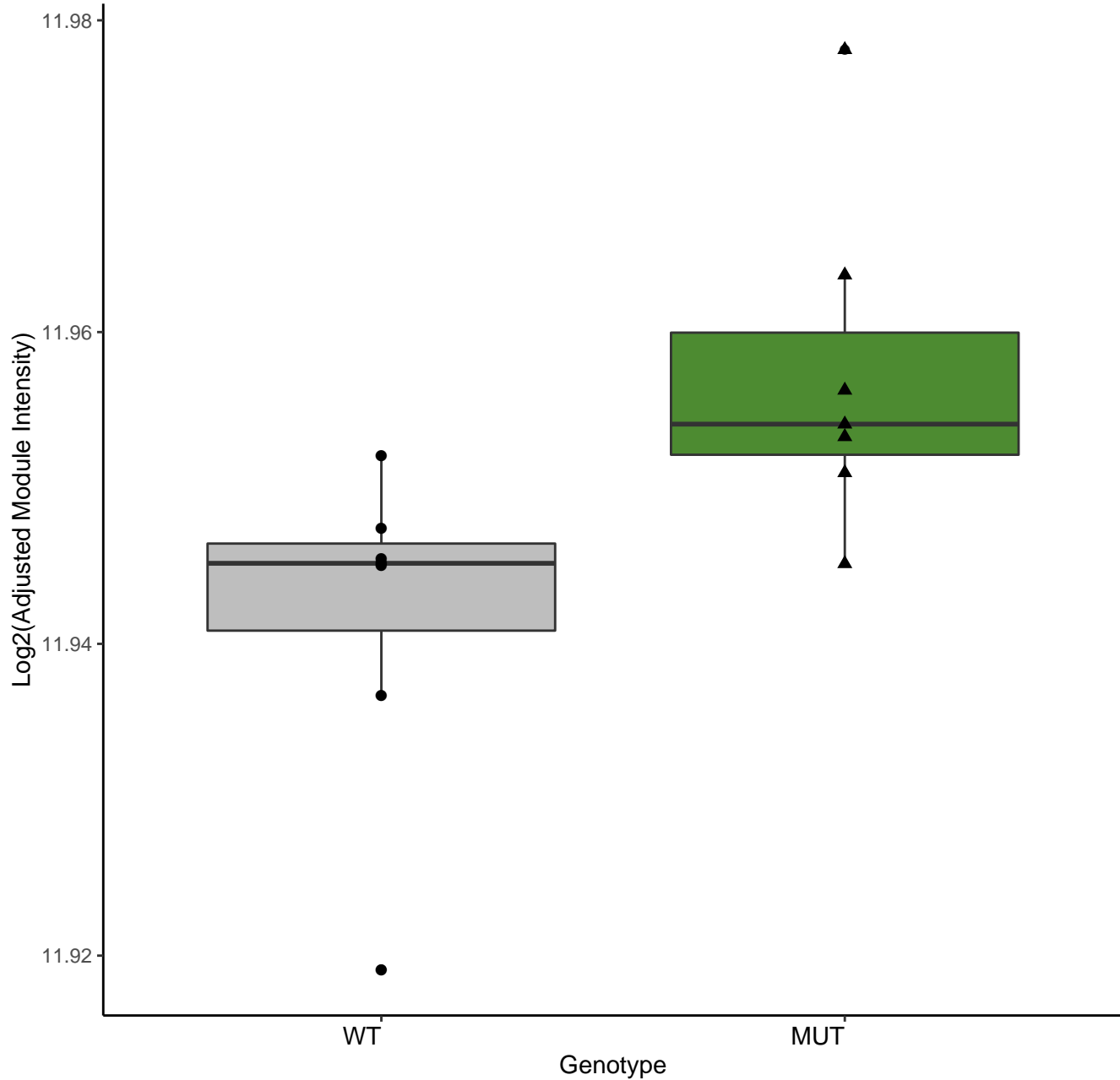
WT

Genotype

MUT



M149



M150

Log2(Adjusted Module Intensity)

11.94

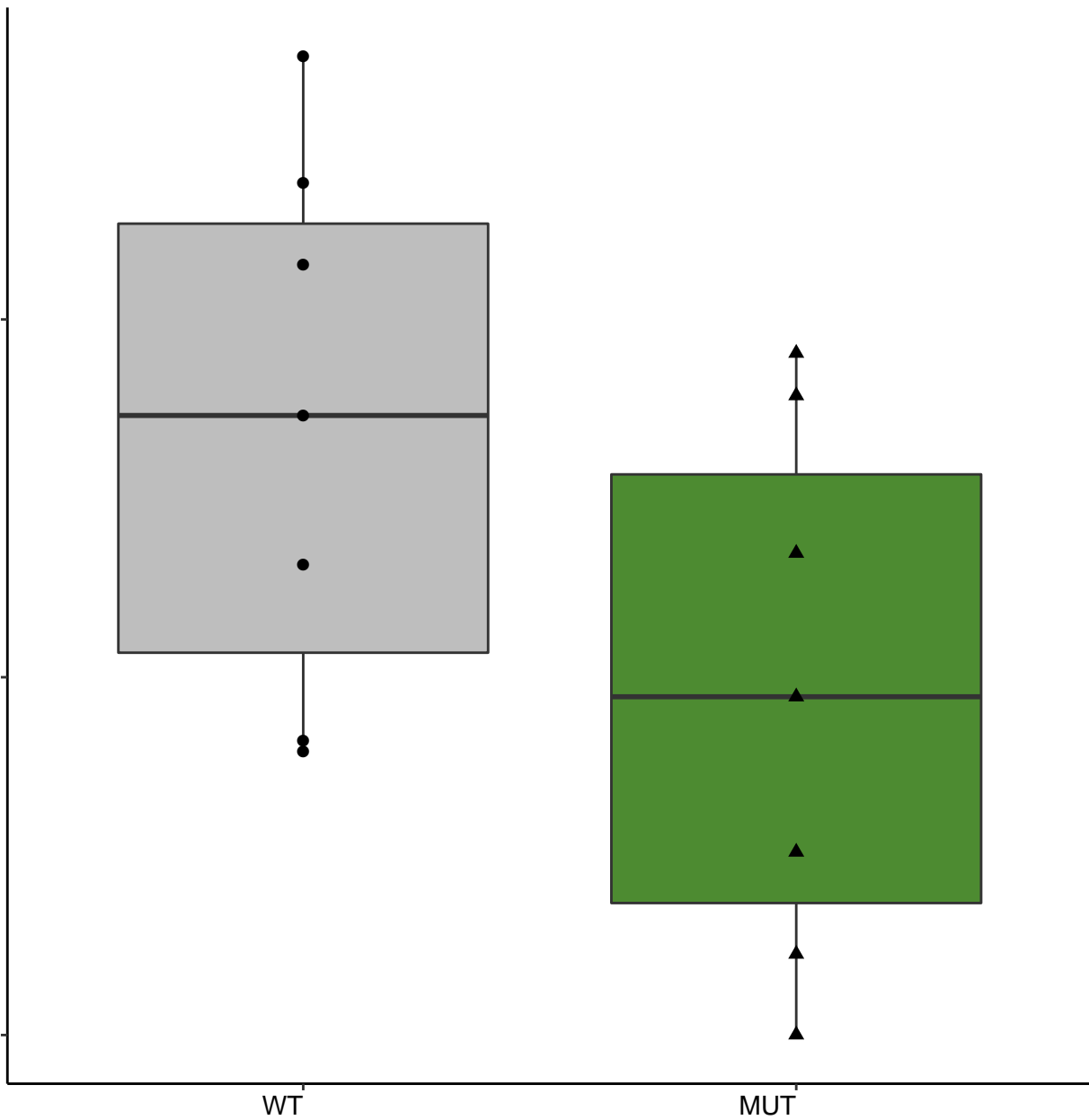
11.92

11.90

WT

Genotype

MUT



M151

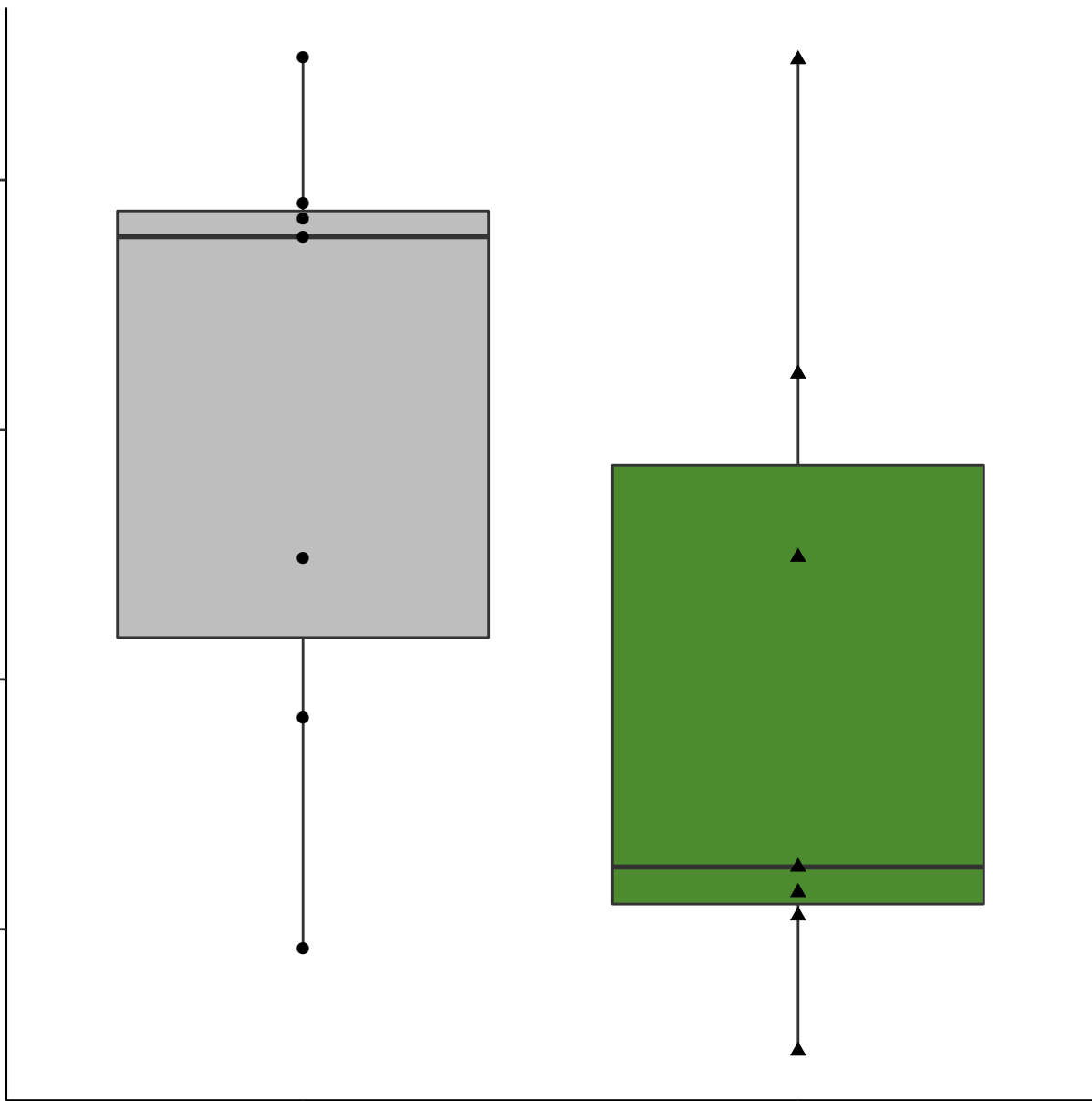
Log2(Adjusted Module Intensity)

11.475
11.450
11.425
11.400

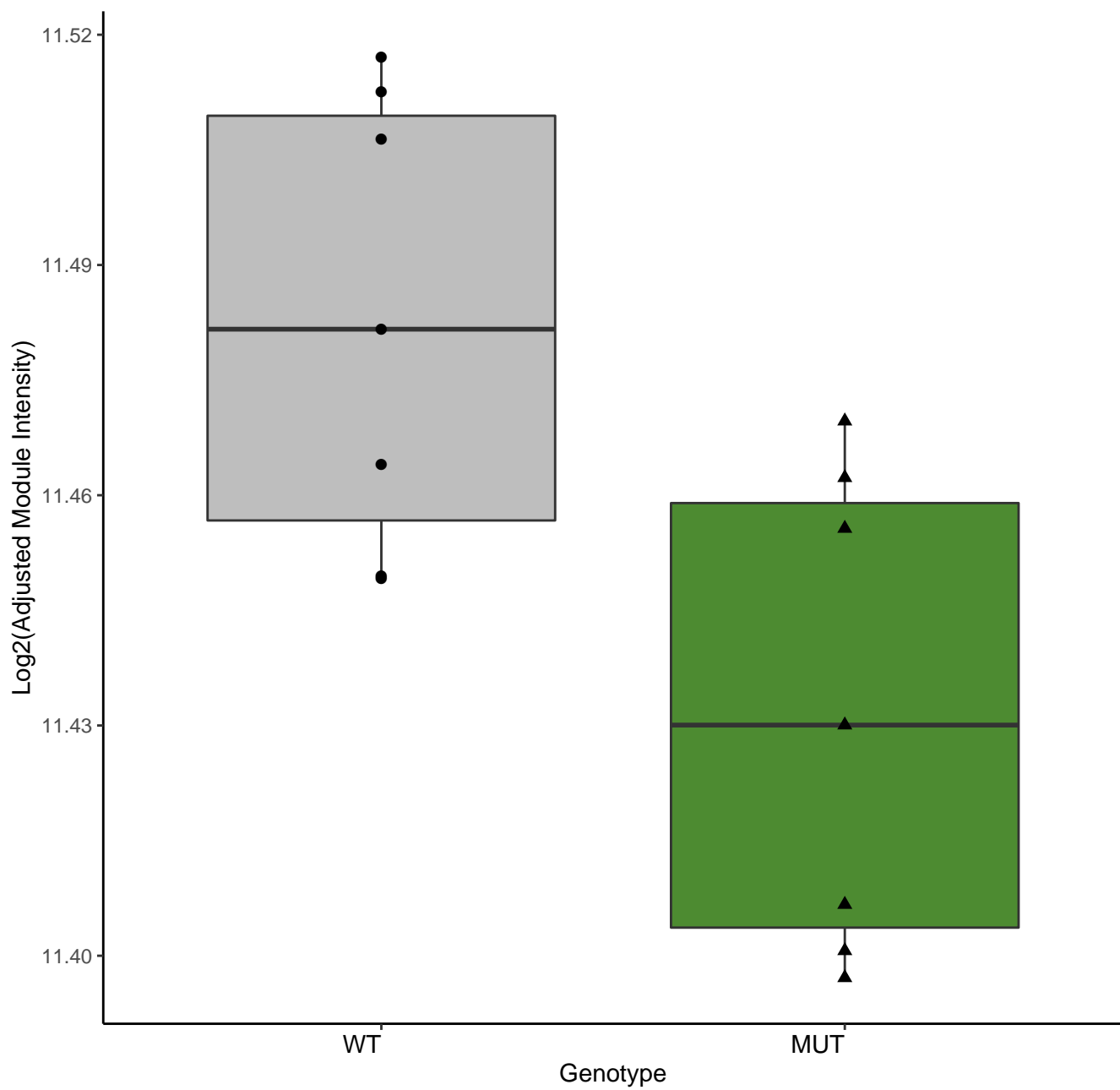
WT

Genotype

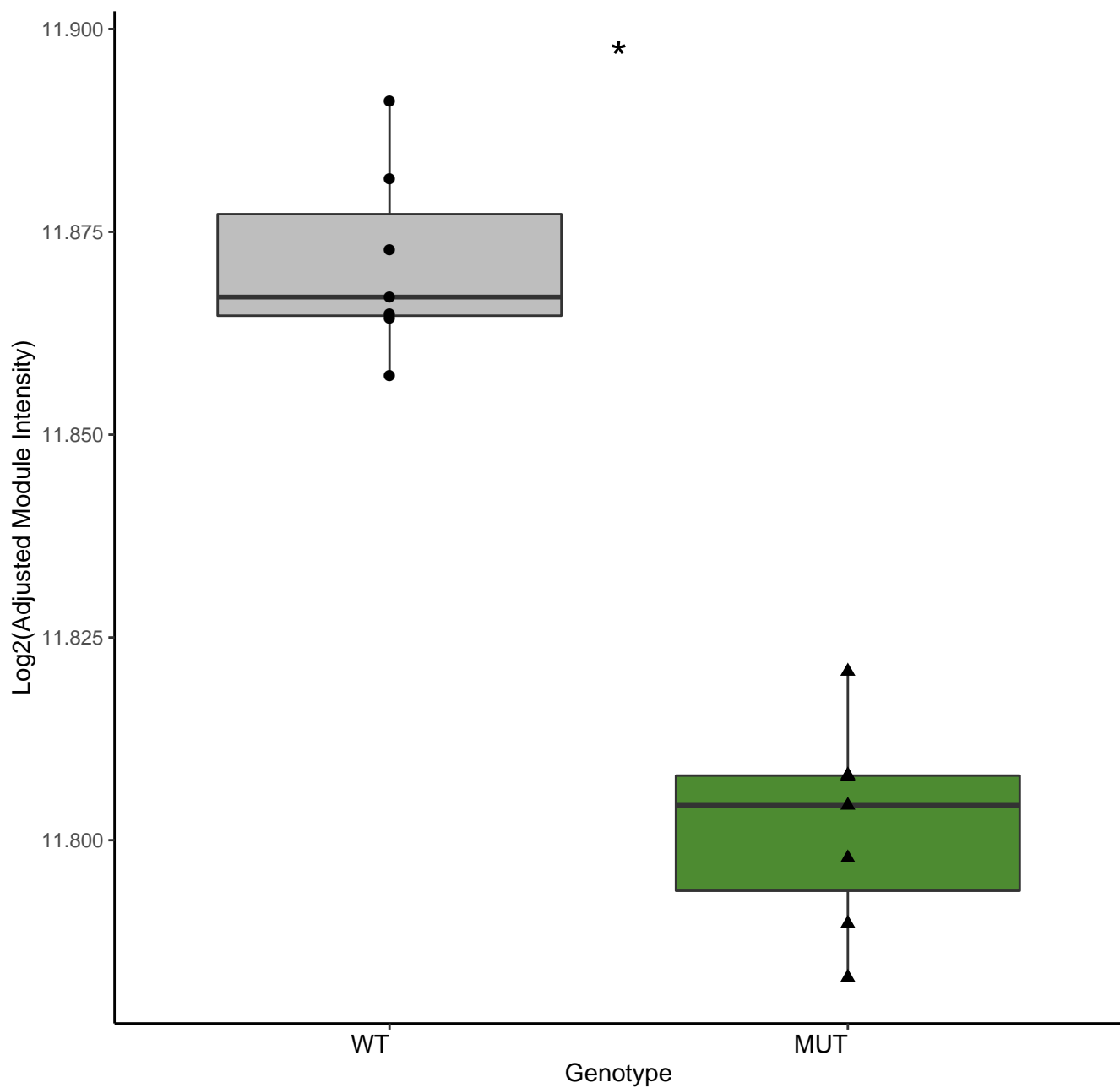
MUT



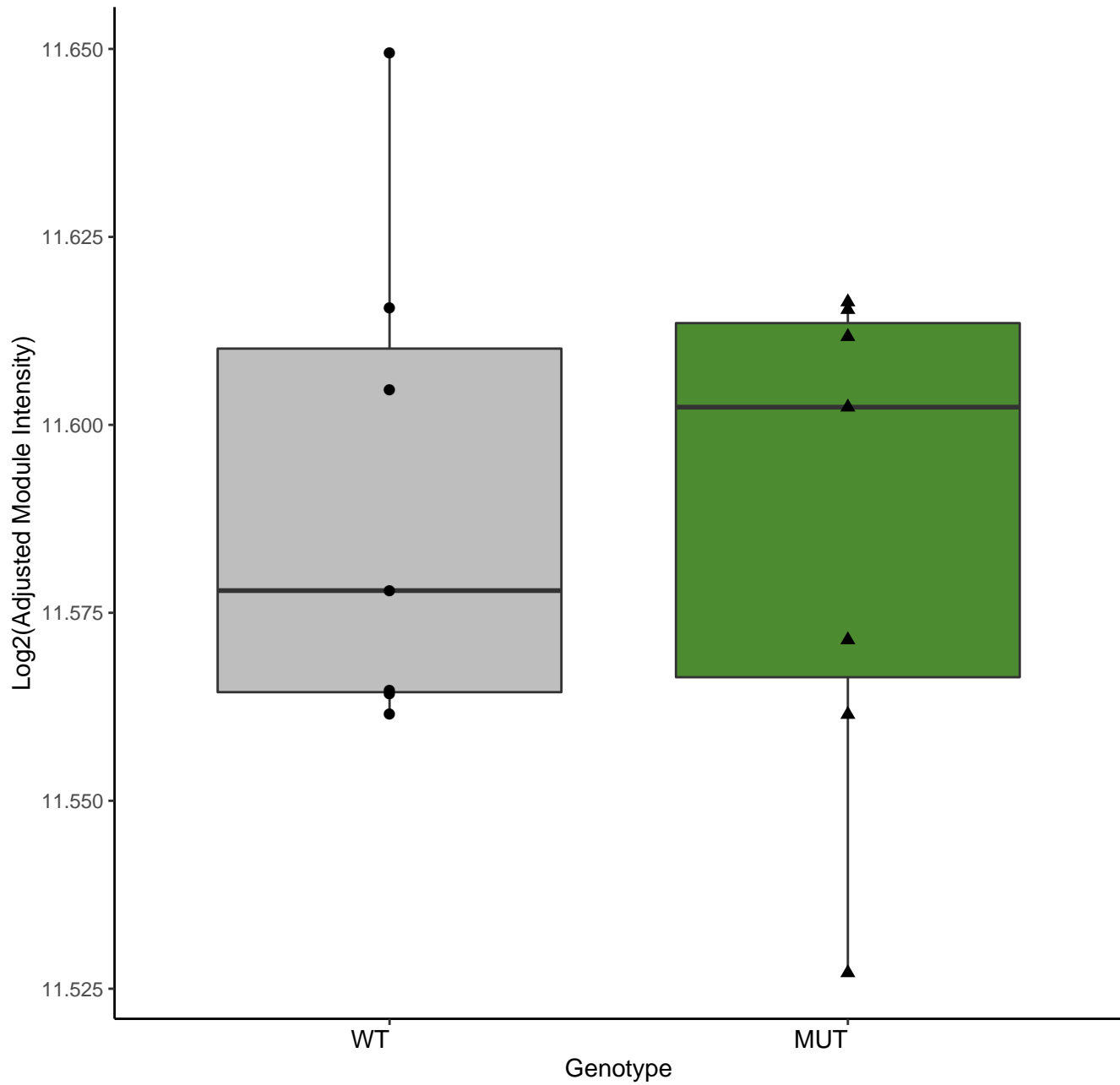
M152



M153



M154



M155

Log2(Adjusted Module Intensity)

12.10

12.05

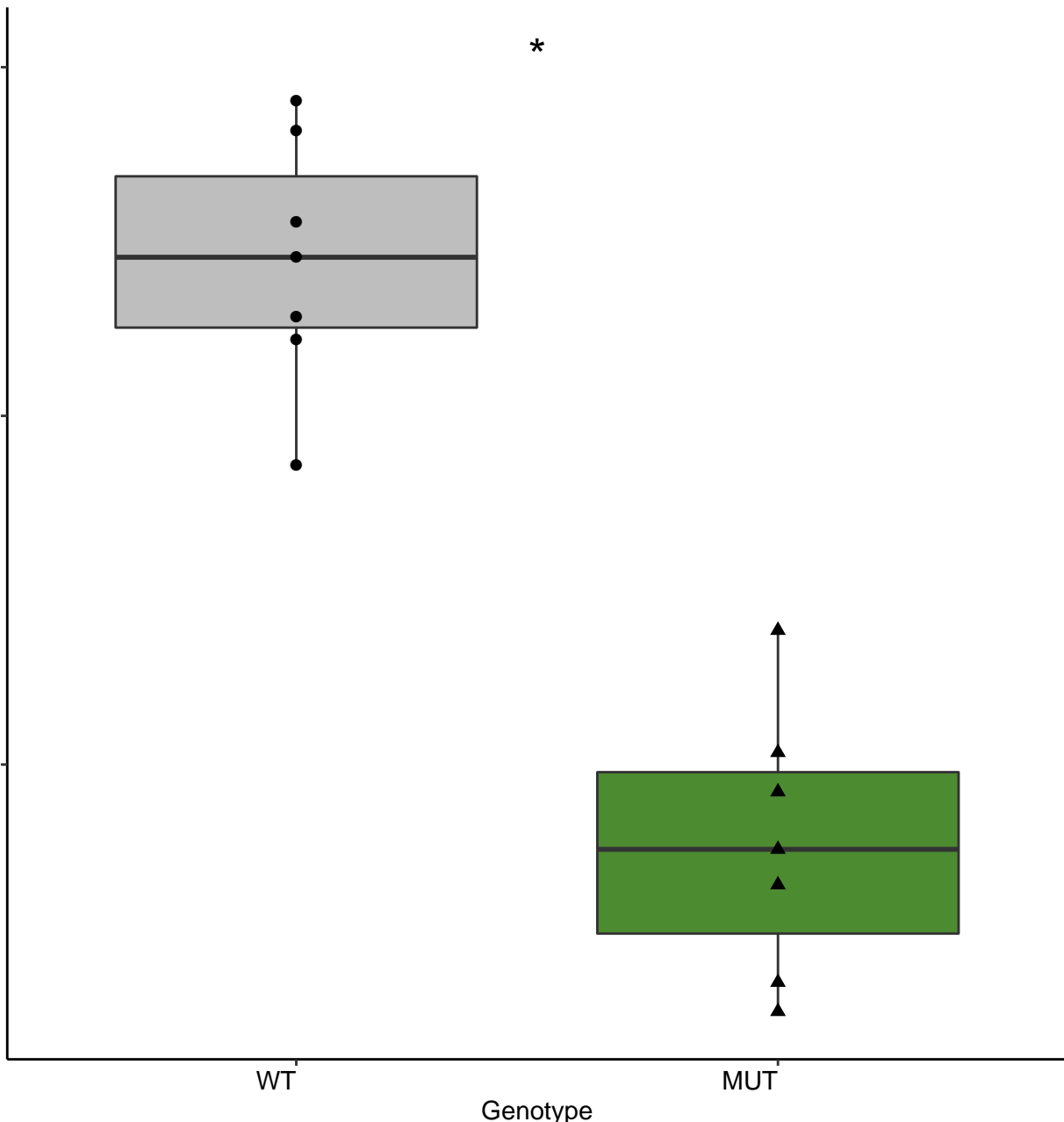
12.00

WT

Genotype

MUT

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M156

Log2(Adjusted Module Intensity)

12.82

12.80

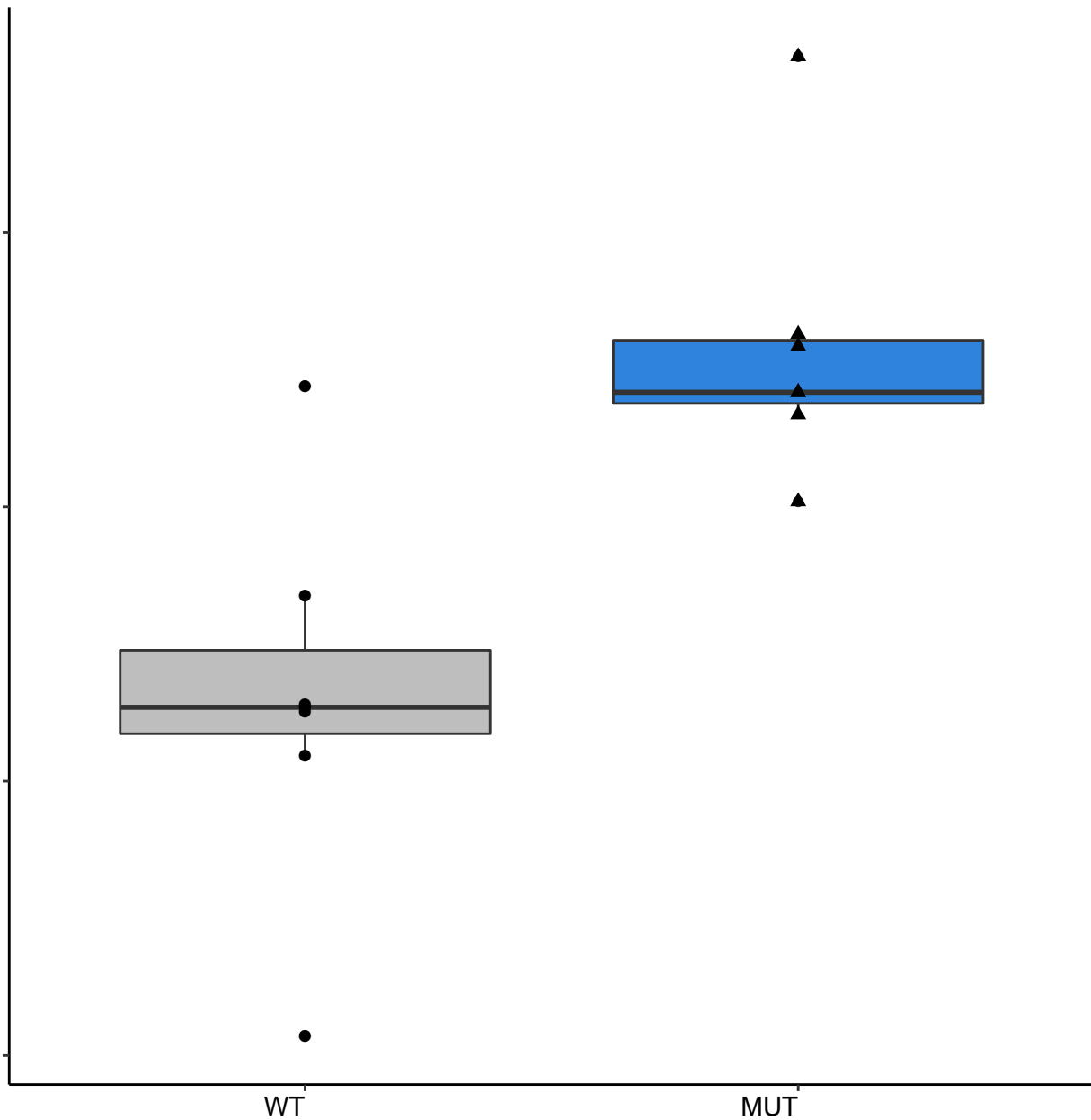
12.78

12.76

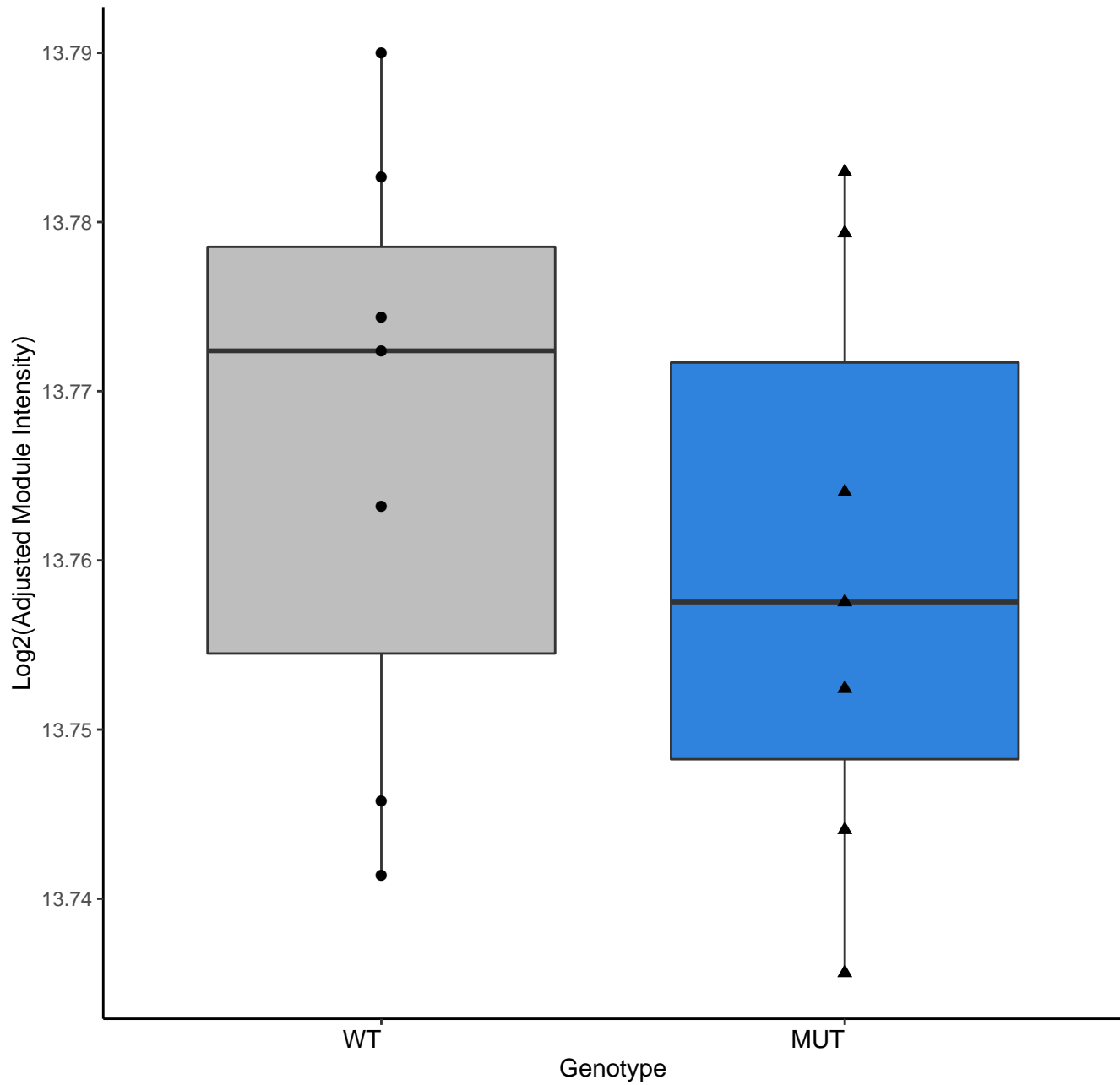
WT

Genotype

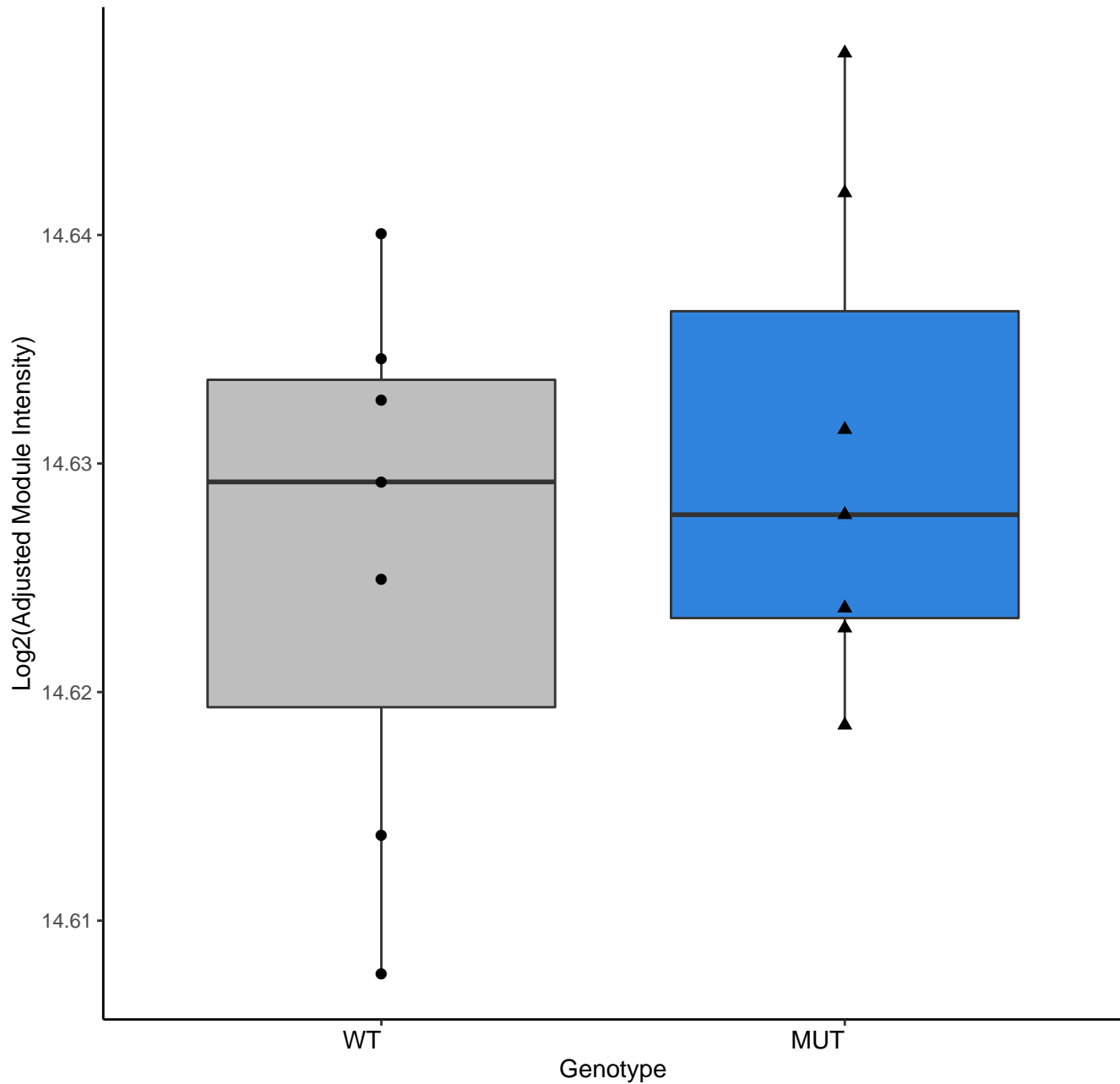
MUT



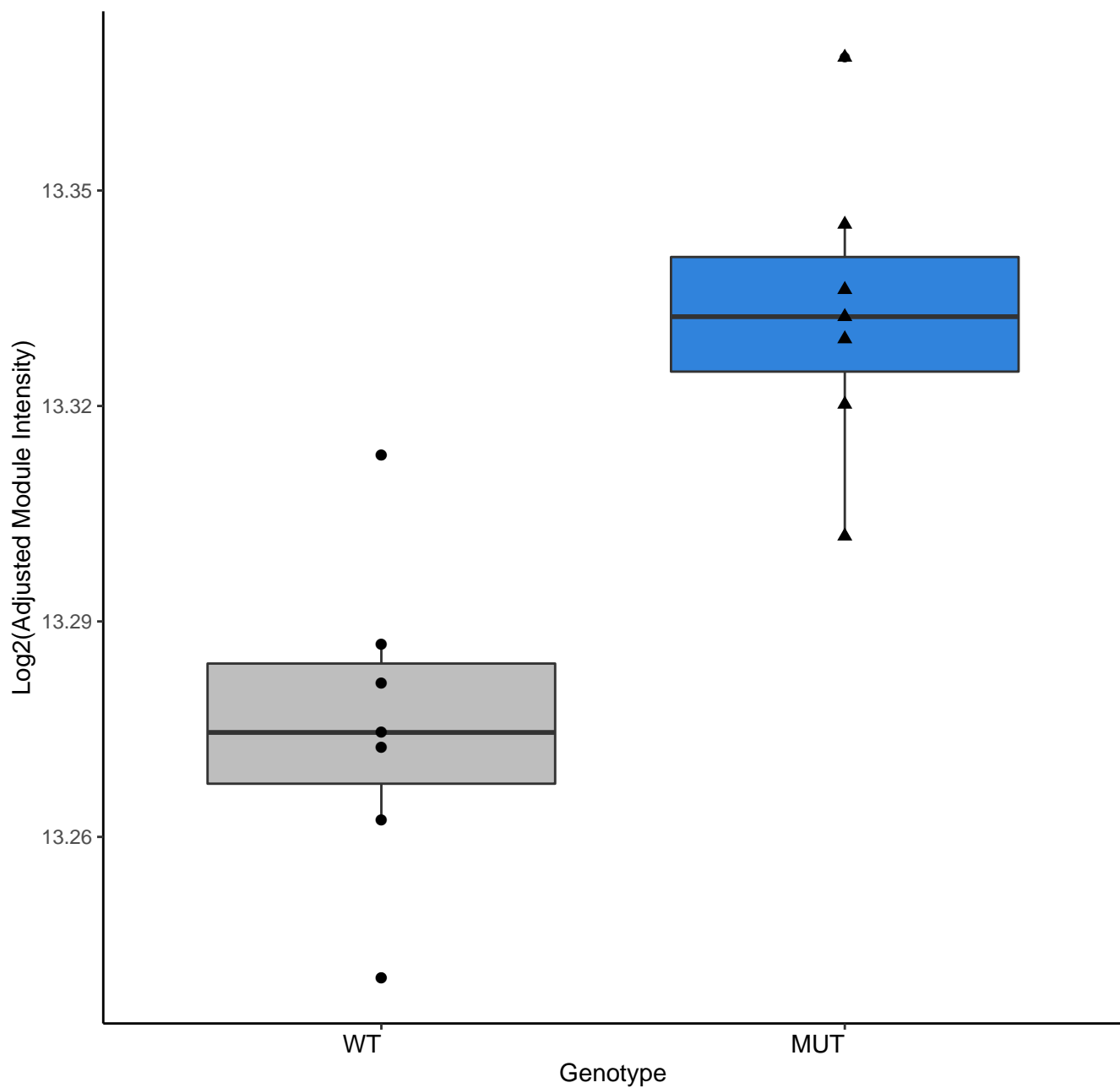
M157



M158



M159



M160

**

Log2(Adjusted Module Intensity)

12.65

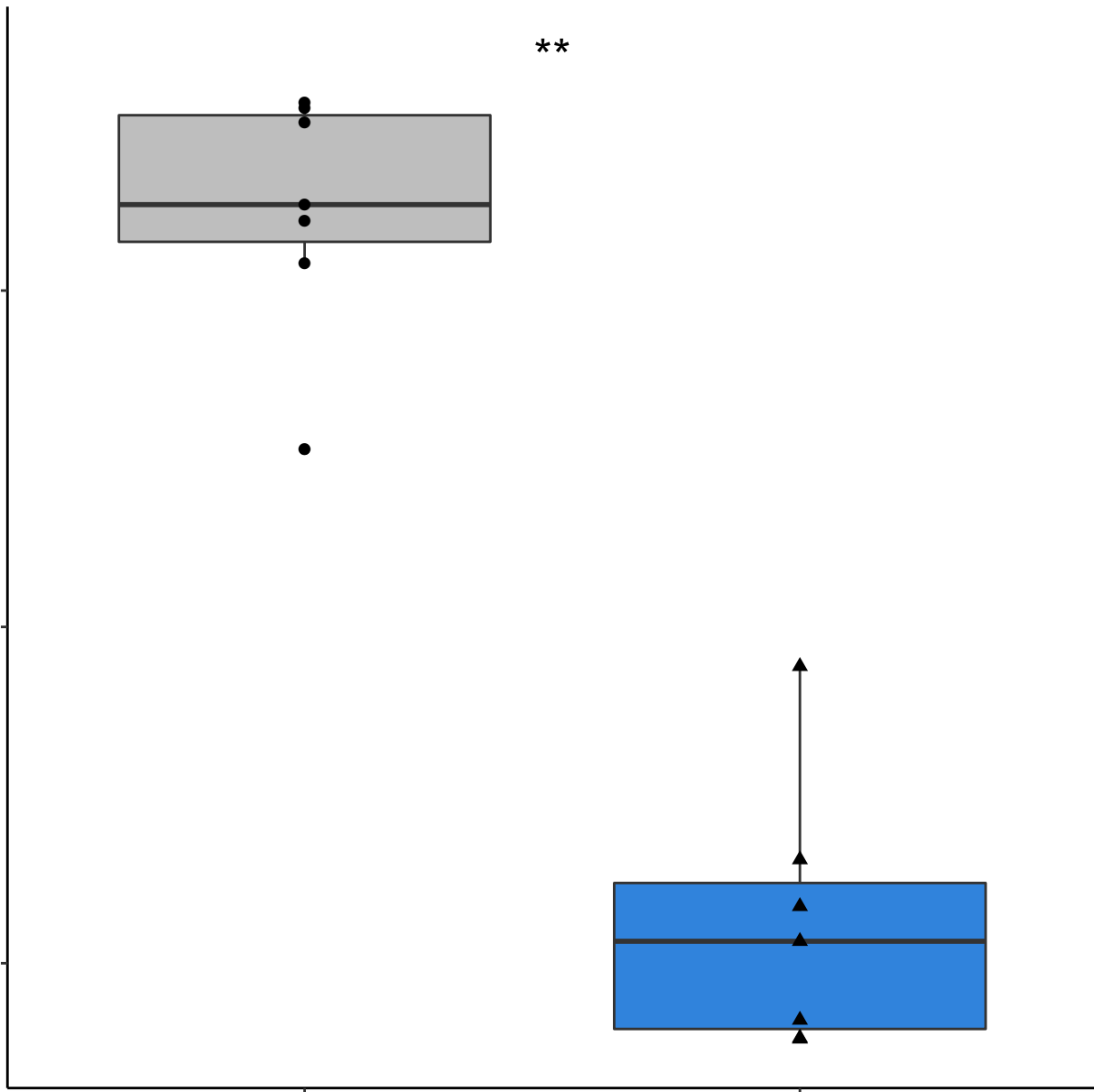
12.60

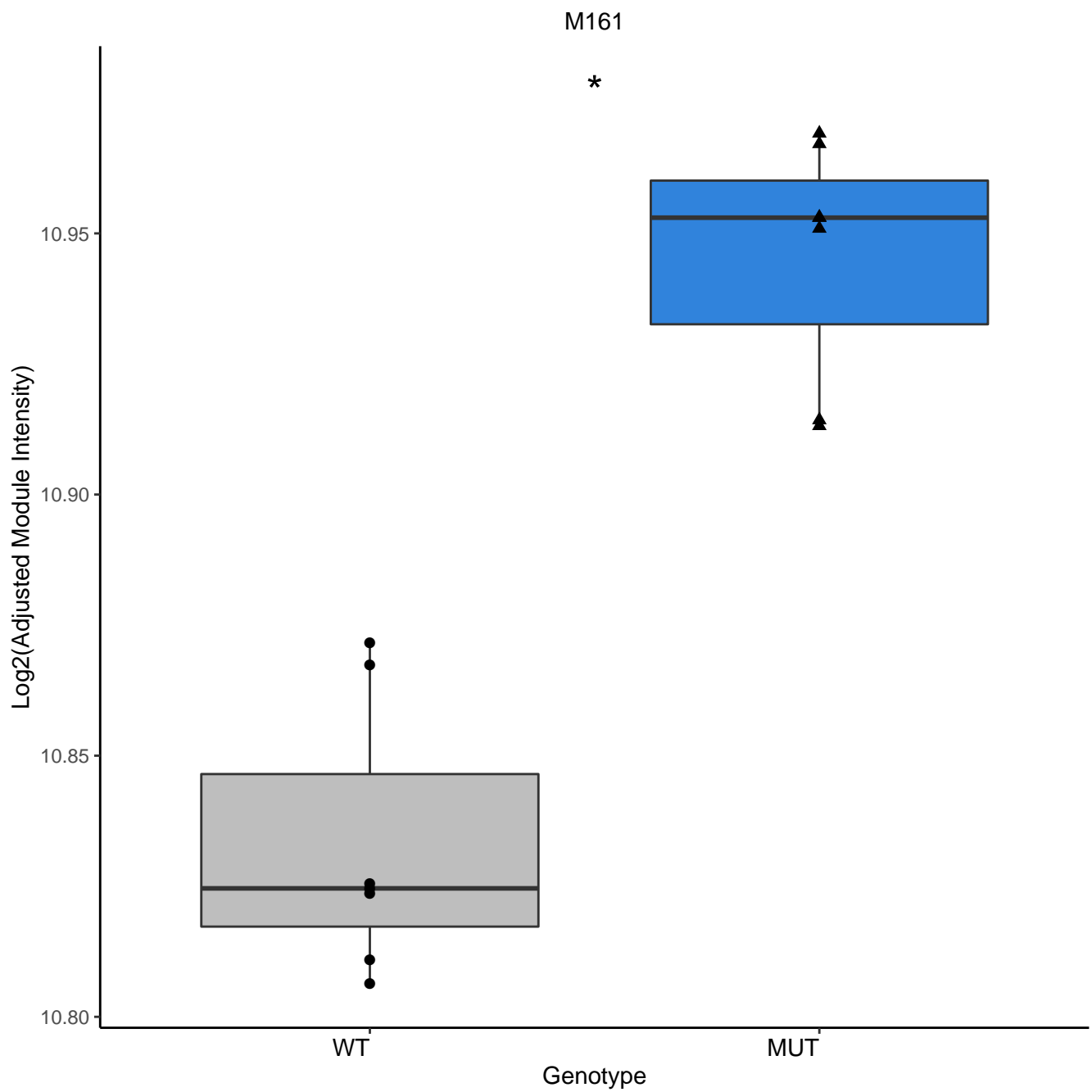
12.55

WT

Genotype

MUT





M162

Log2(Adjusted Module Intensity)

14.00

13.98

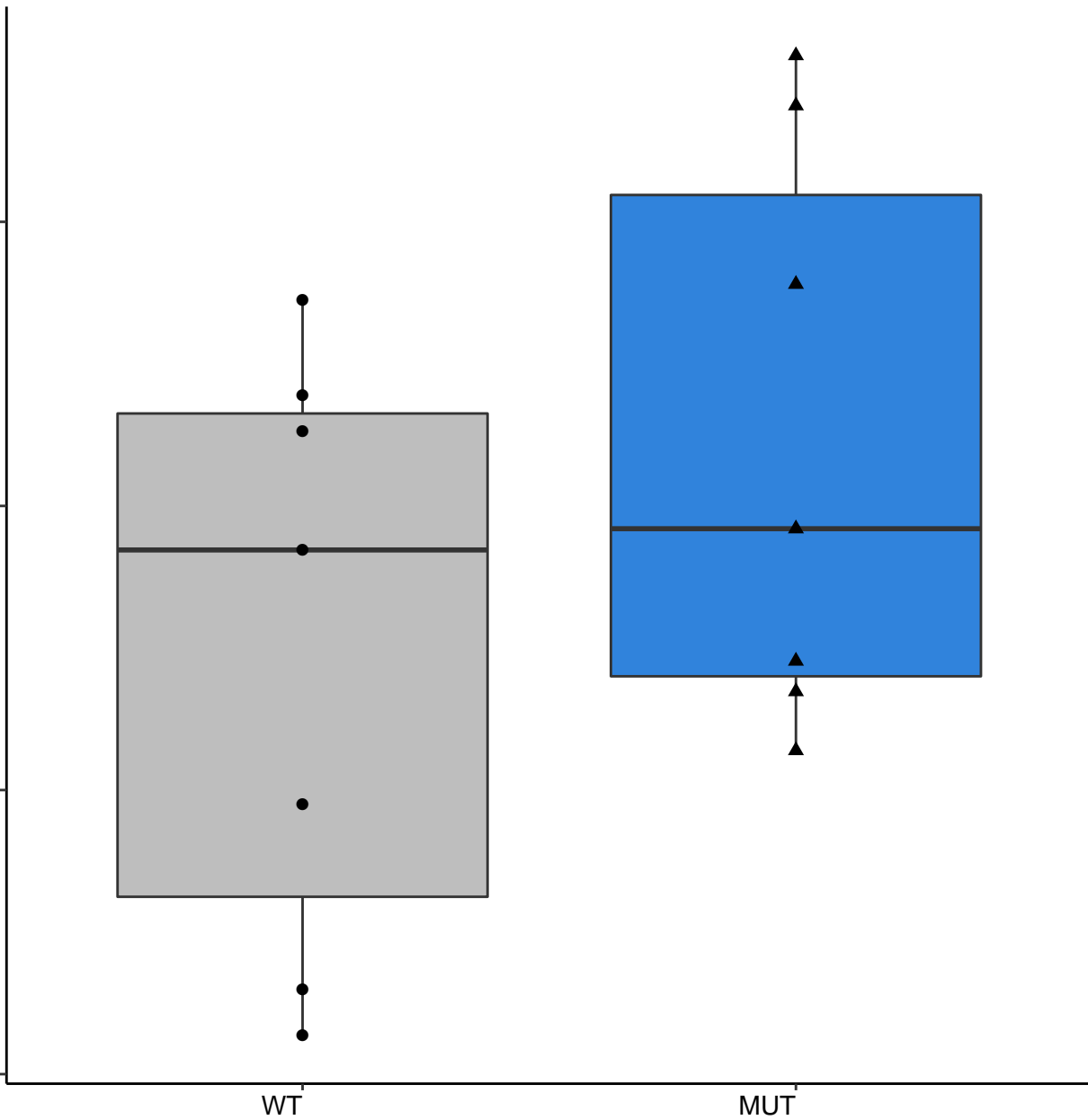
13.96

13.94

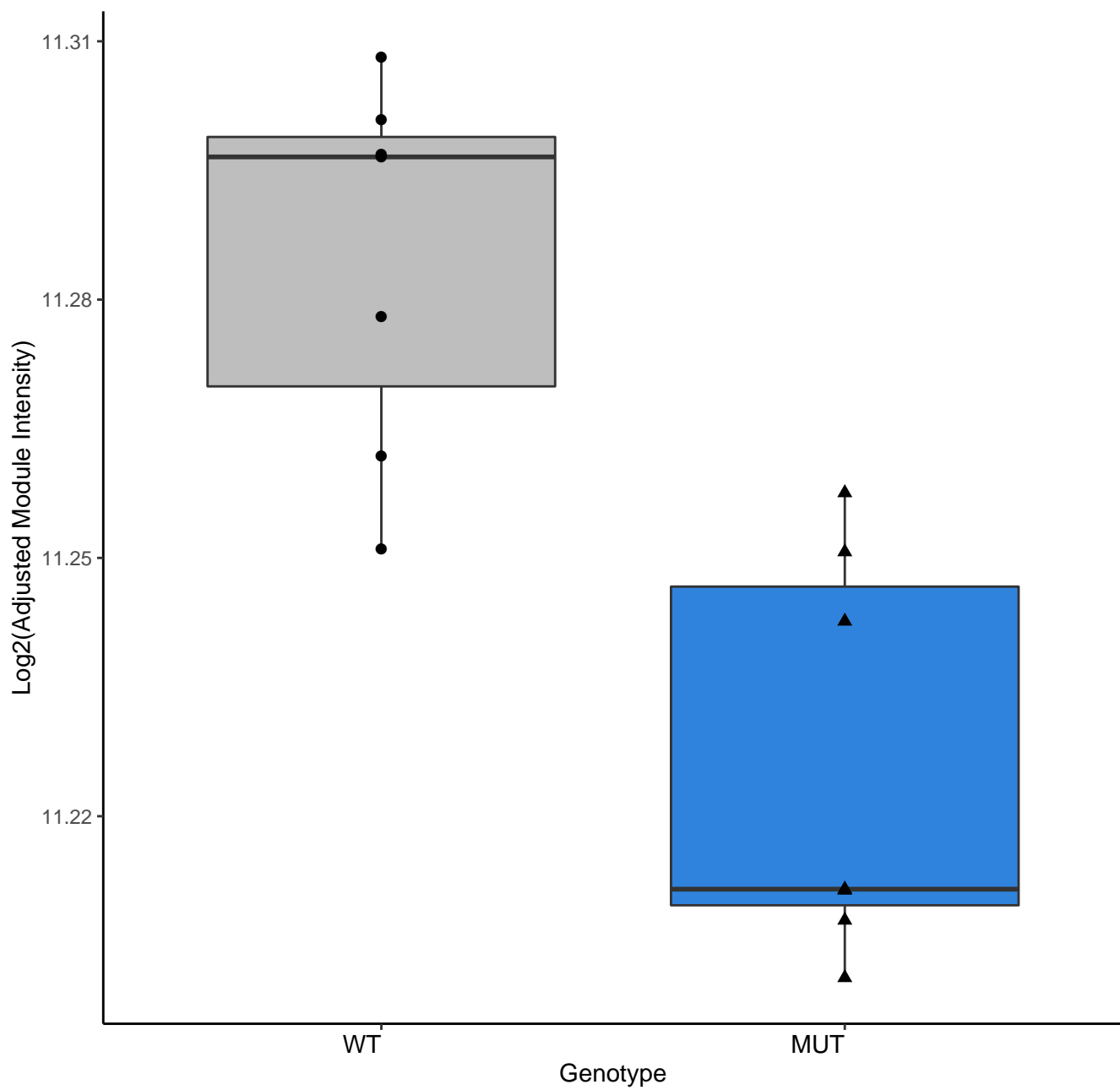
WT

Genotype

MUT



M163



M164

Log2(Adjusted Module Intensity)

11.400

11.375

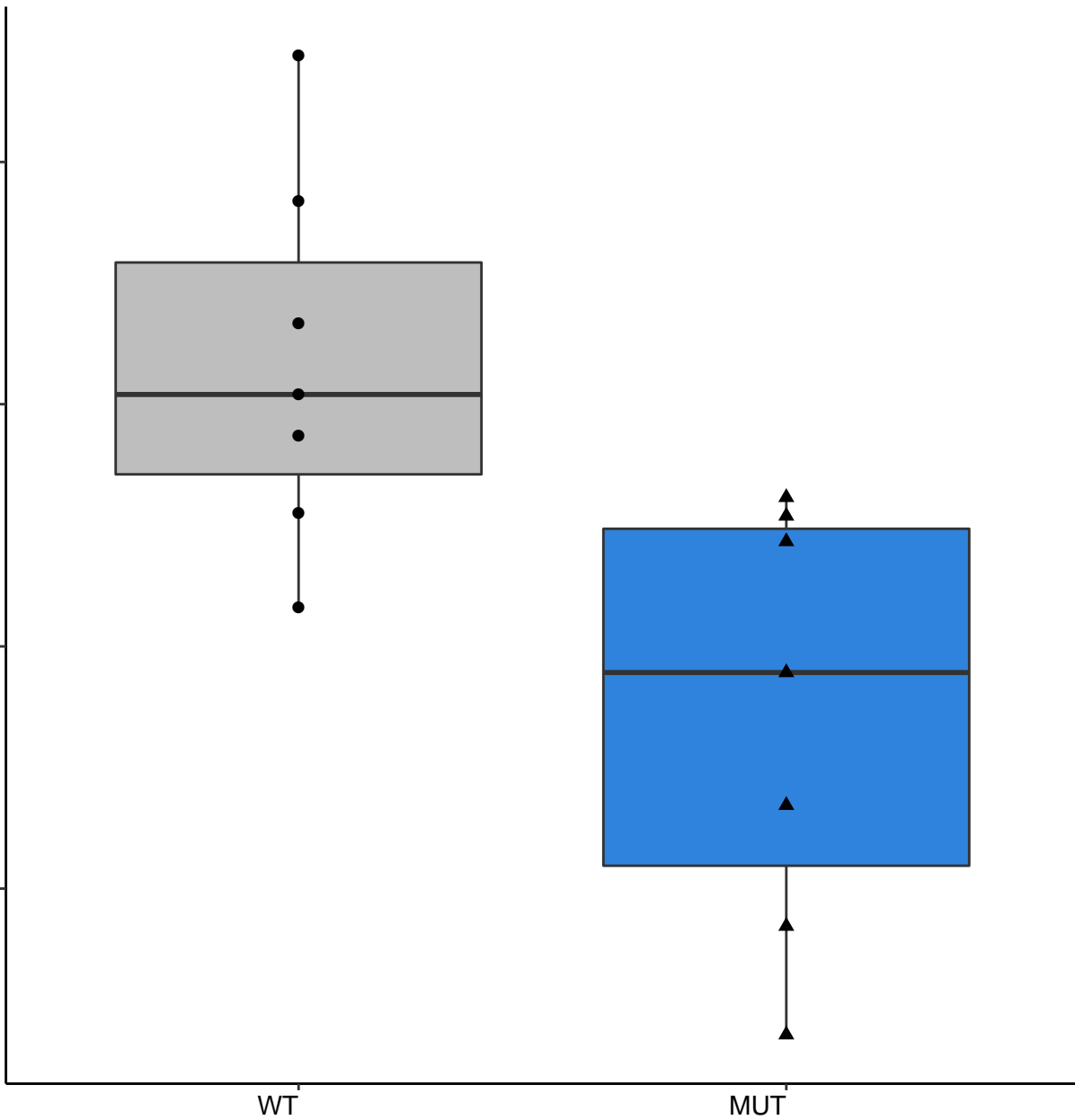
11.350

11.325

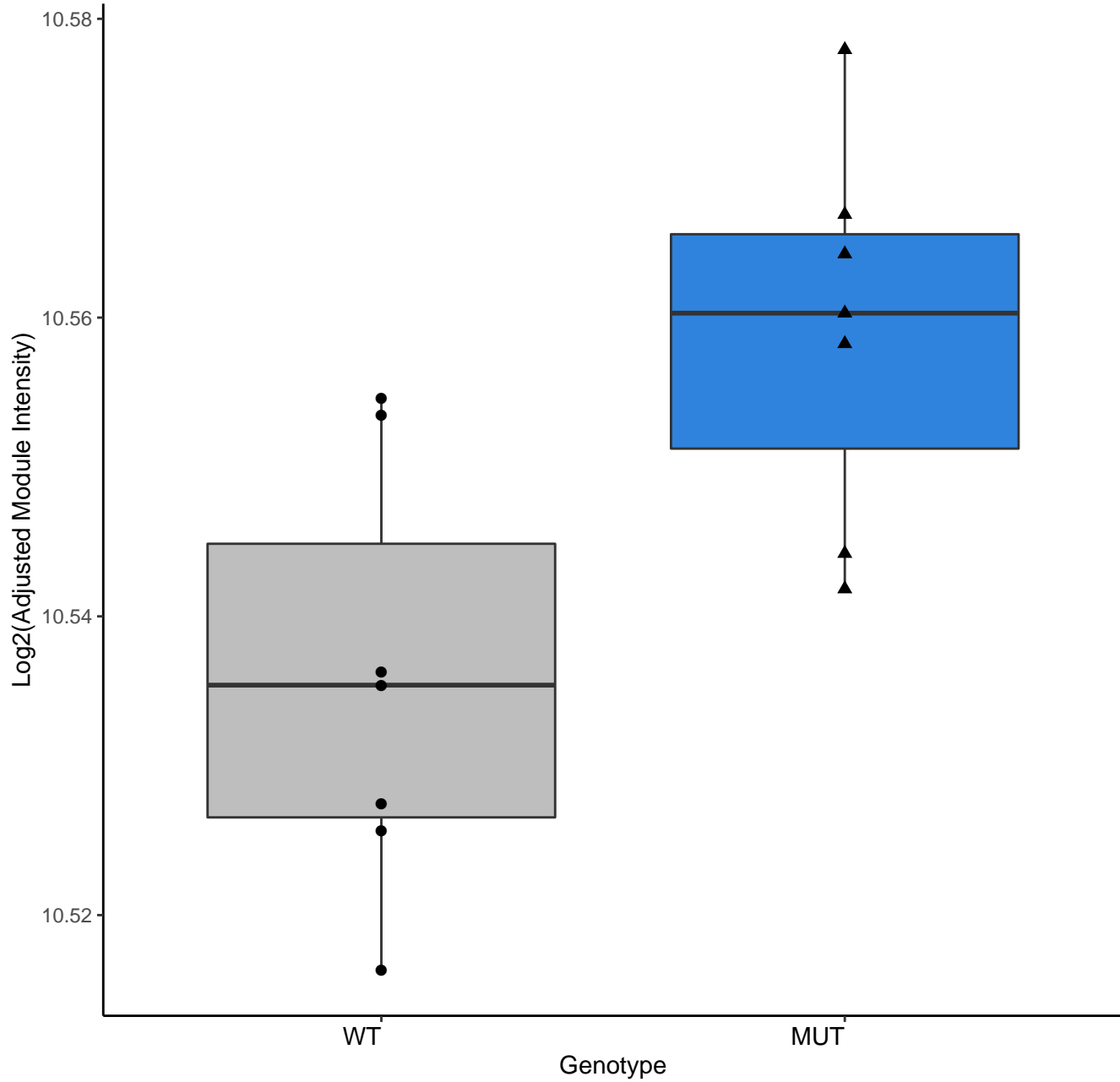
WT

Genotype

MUT



M165



M166

Log2(Adjusted Module Intensity)

12.00

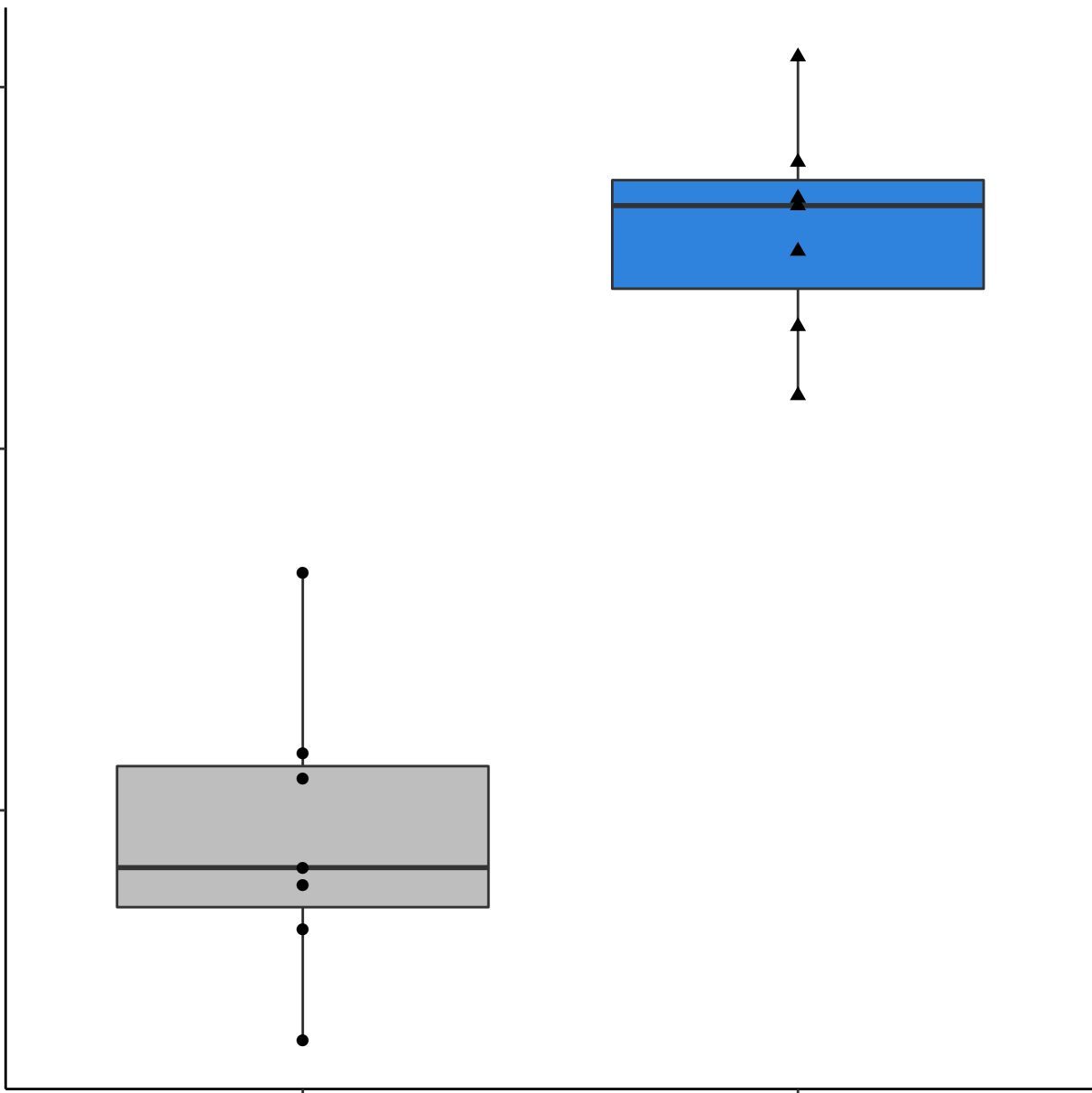
11.95

11.90

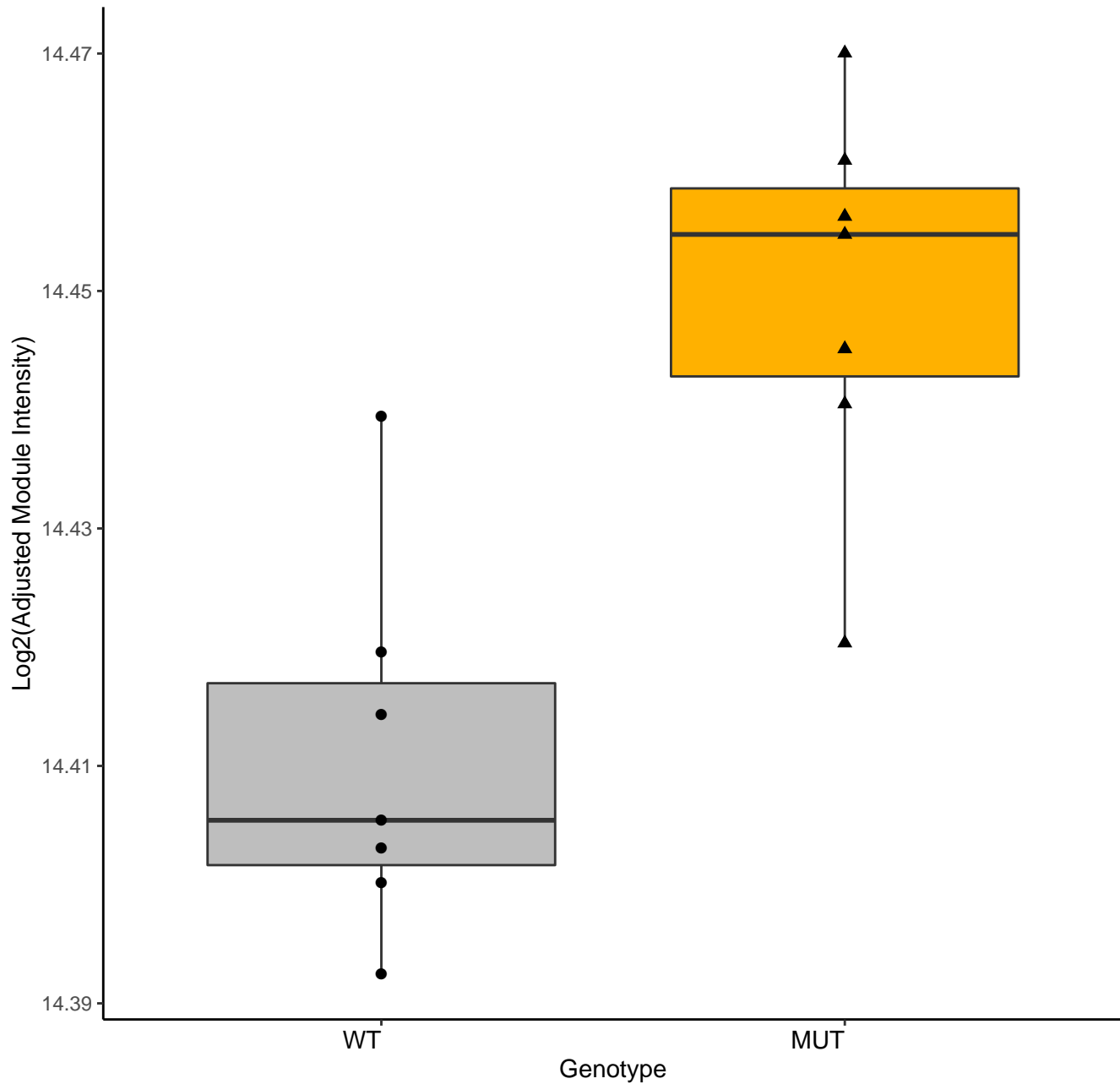
WT

MUT

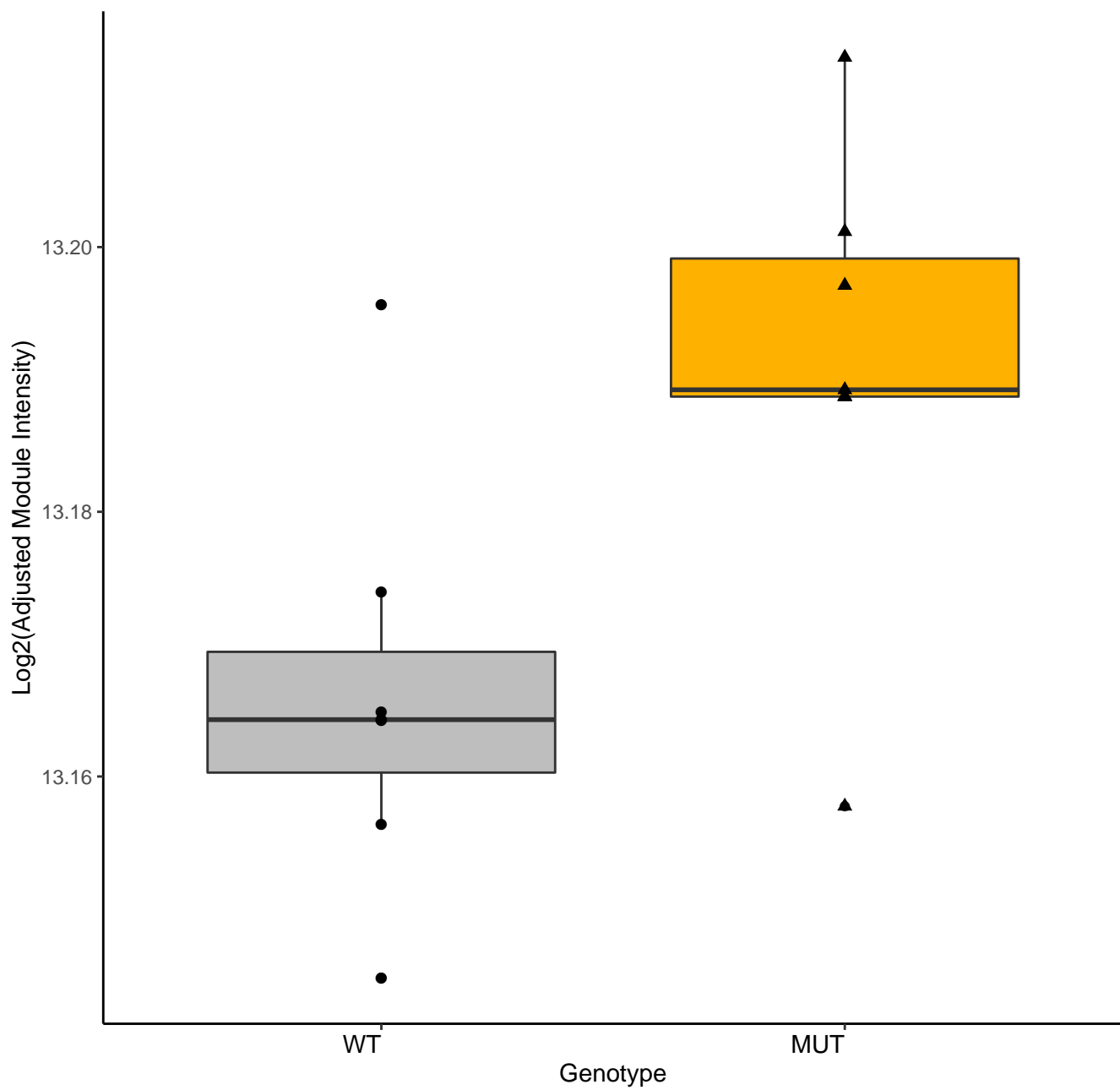
Genotype



M167



M168



M169

Log2(Adjusted Module Intensity)

13.74

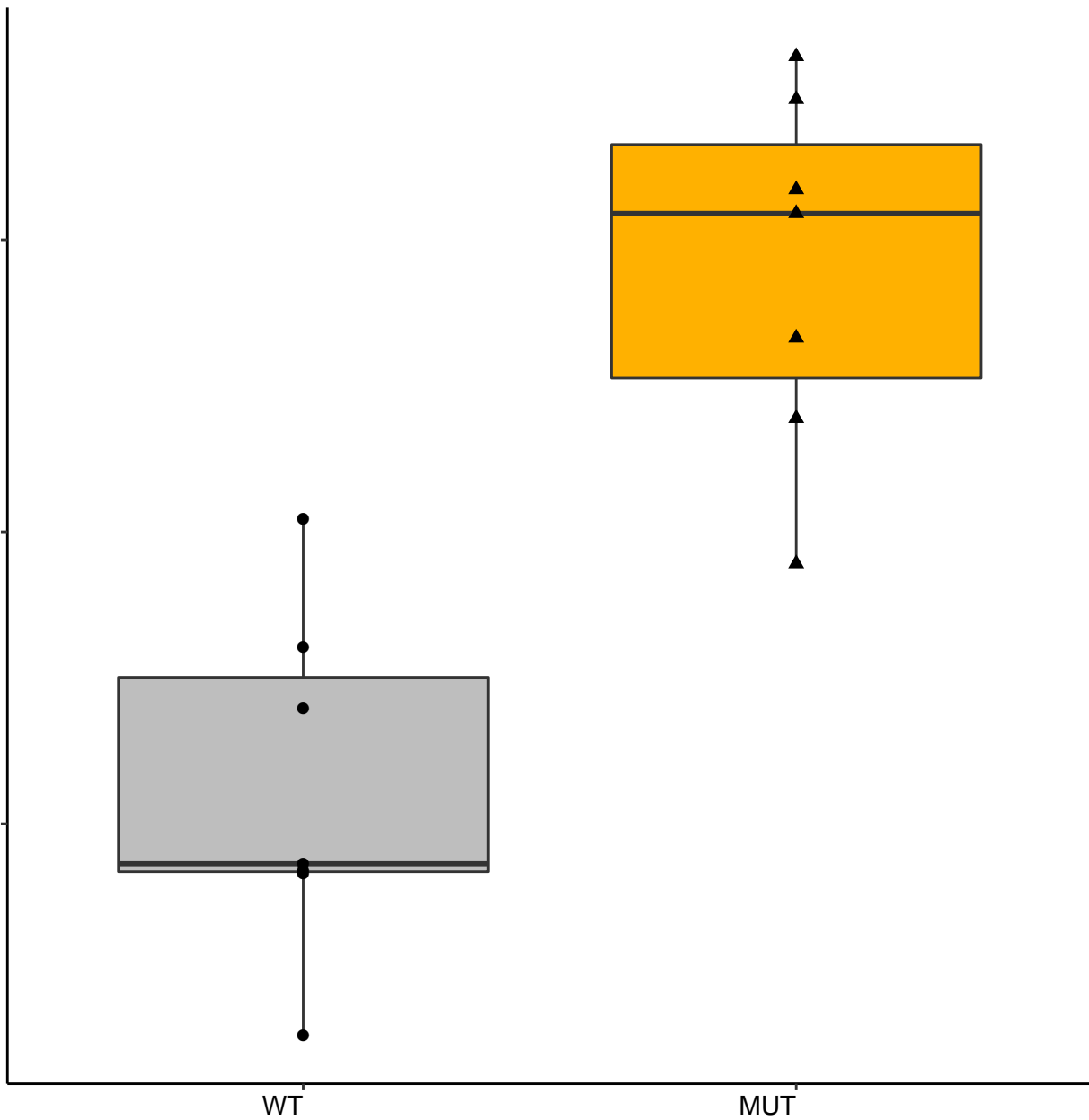
13.72

13.70

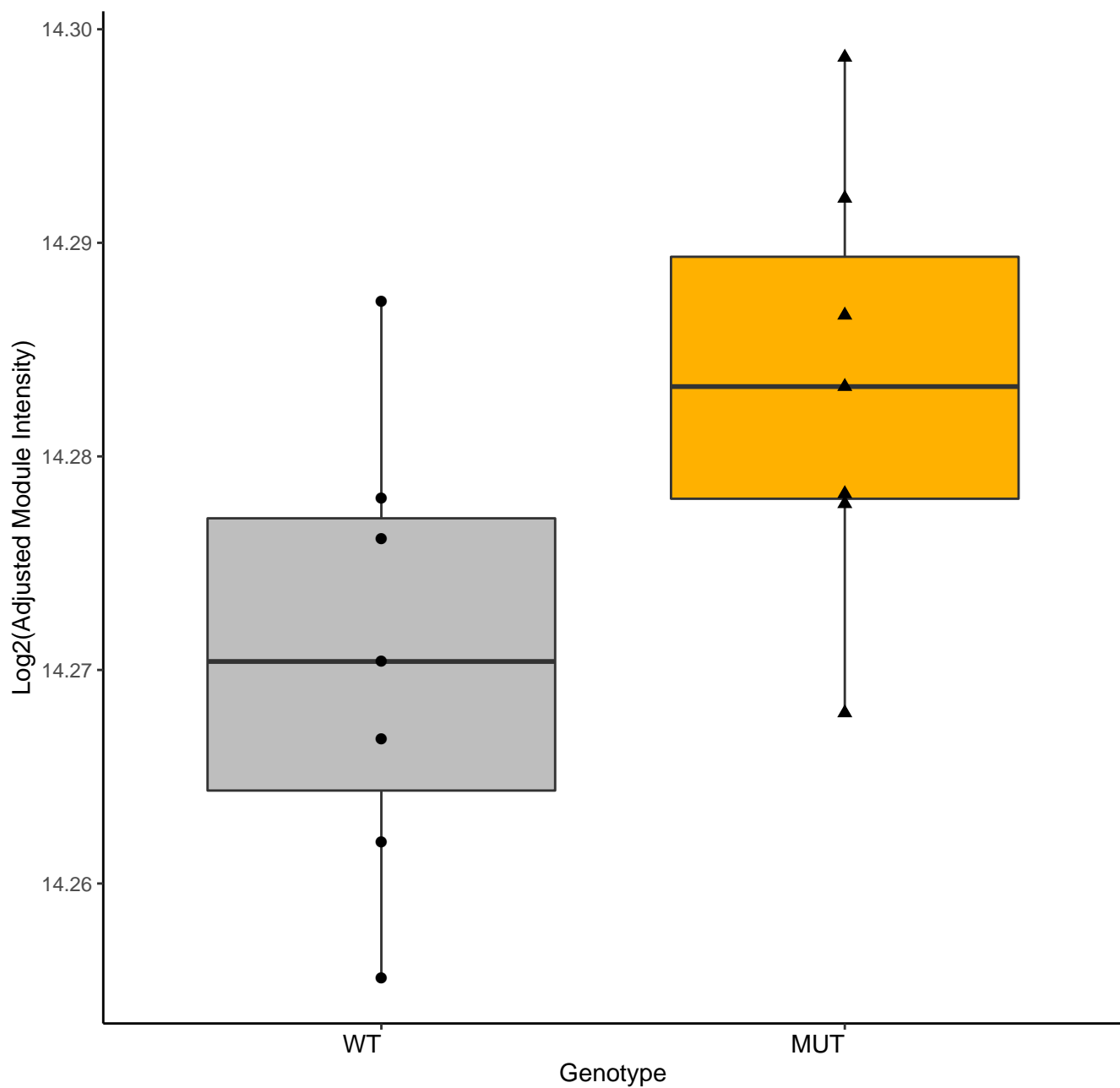
WT

Genotype

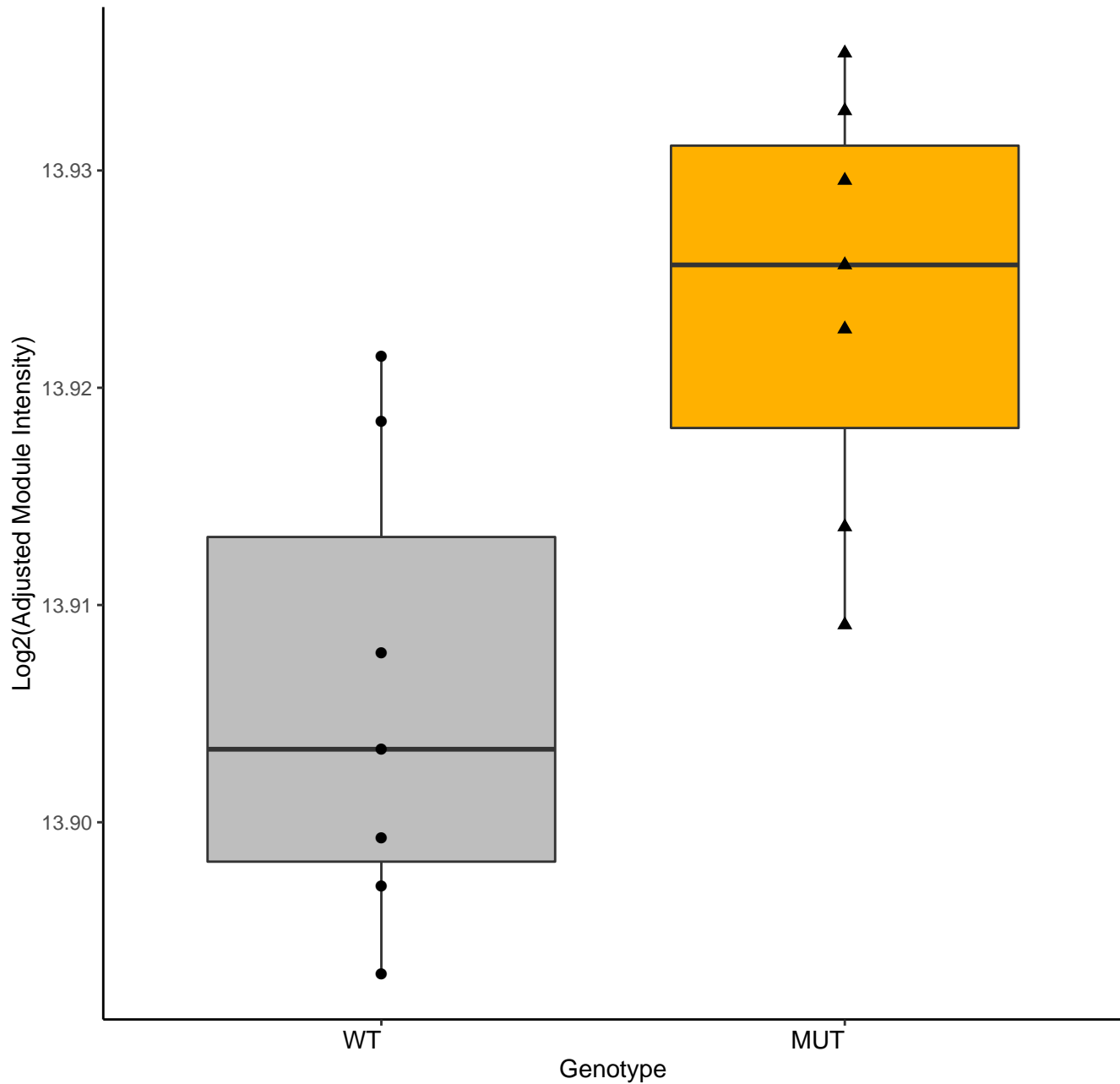
MUT



M170



M171



M172

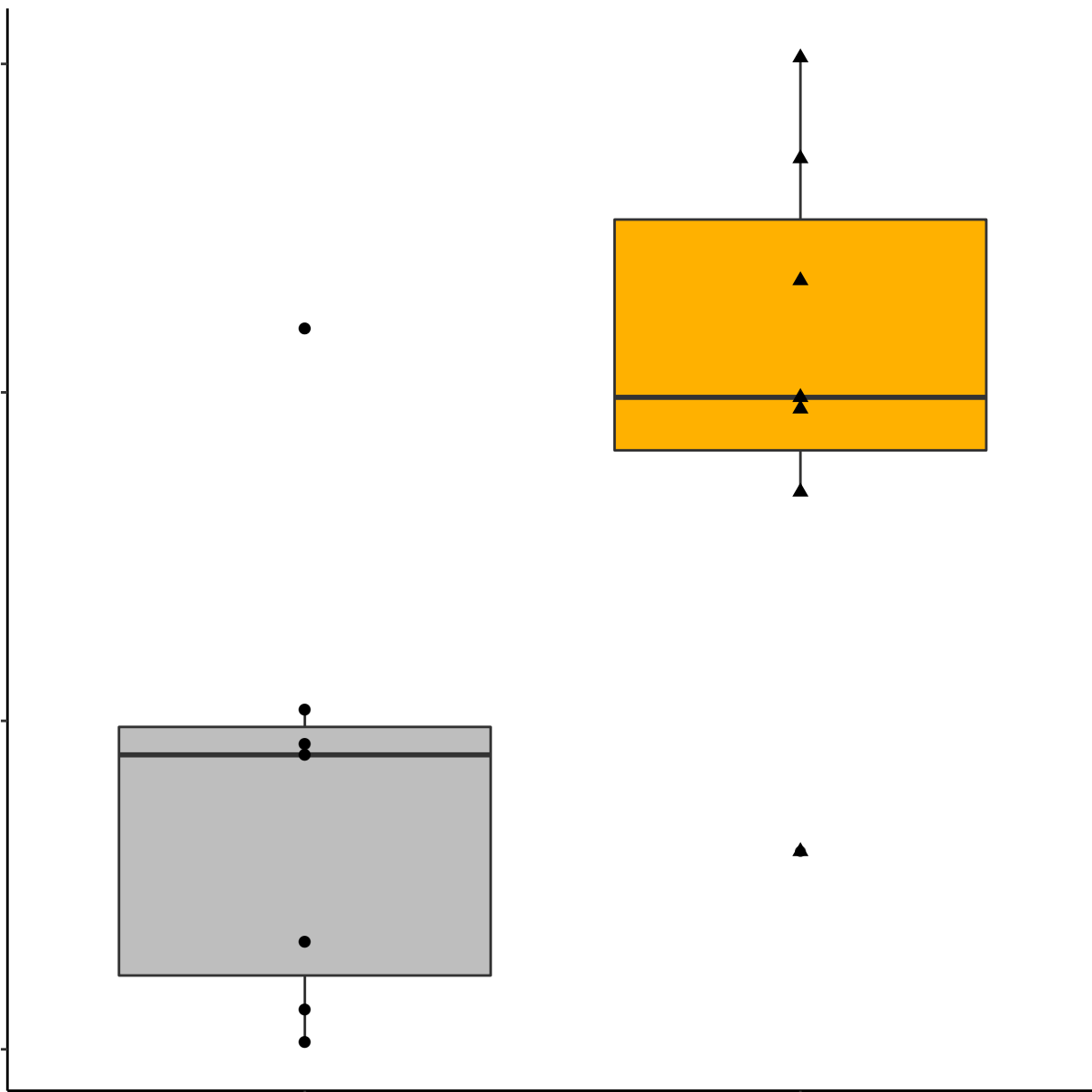
Log2(Adjusted Module Intensity)

12.64
12.62
12.60
12.58

WT

Genotype

MUT



M173

Log2(Adjusted Module Intensity)

12.42

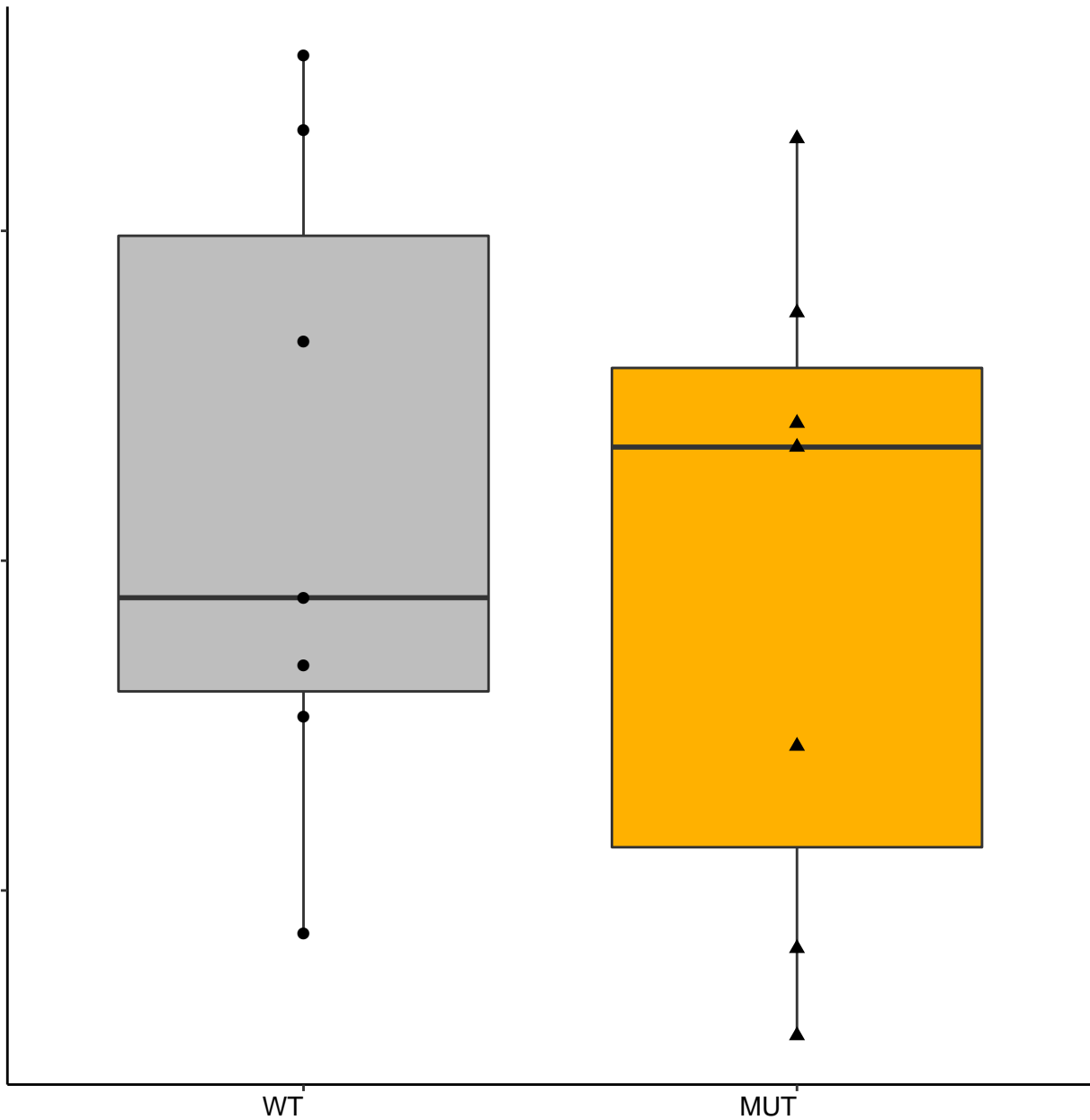
12.40

12.38

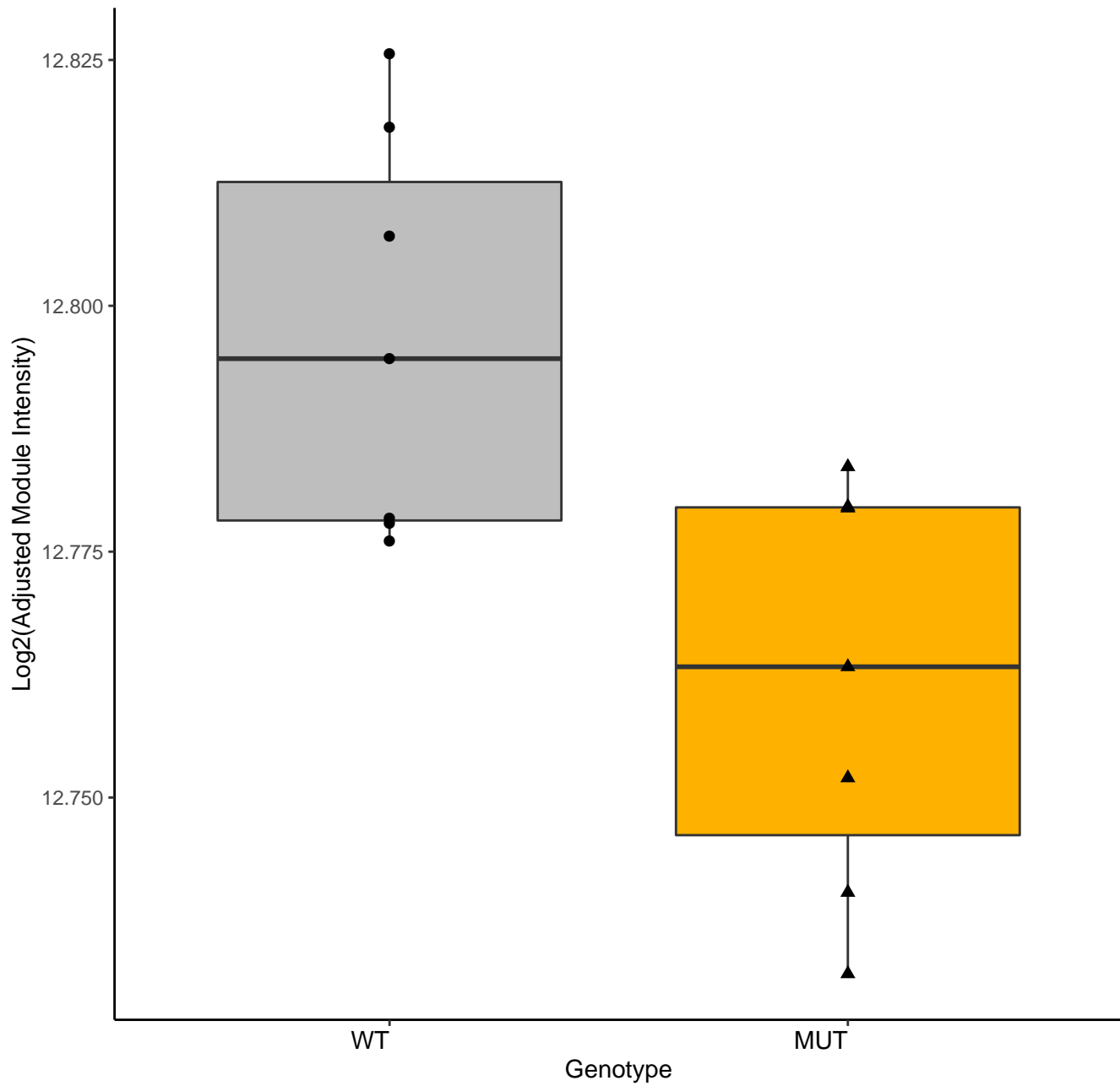
WT

Genotype

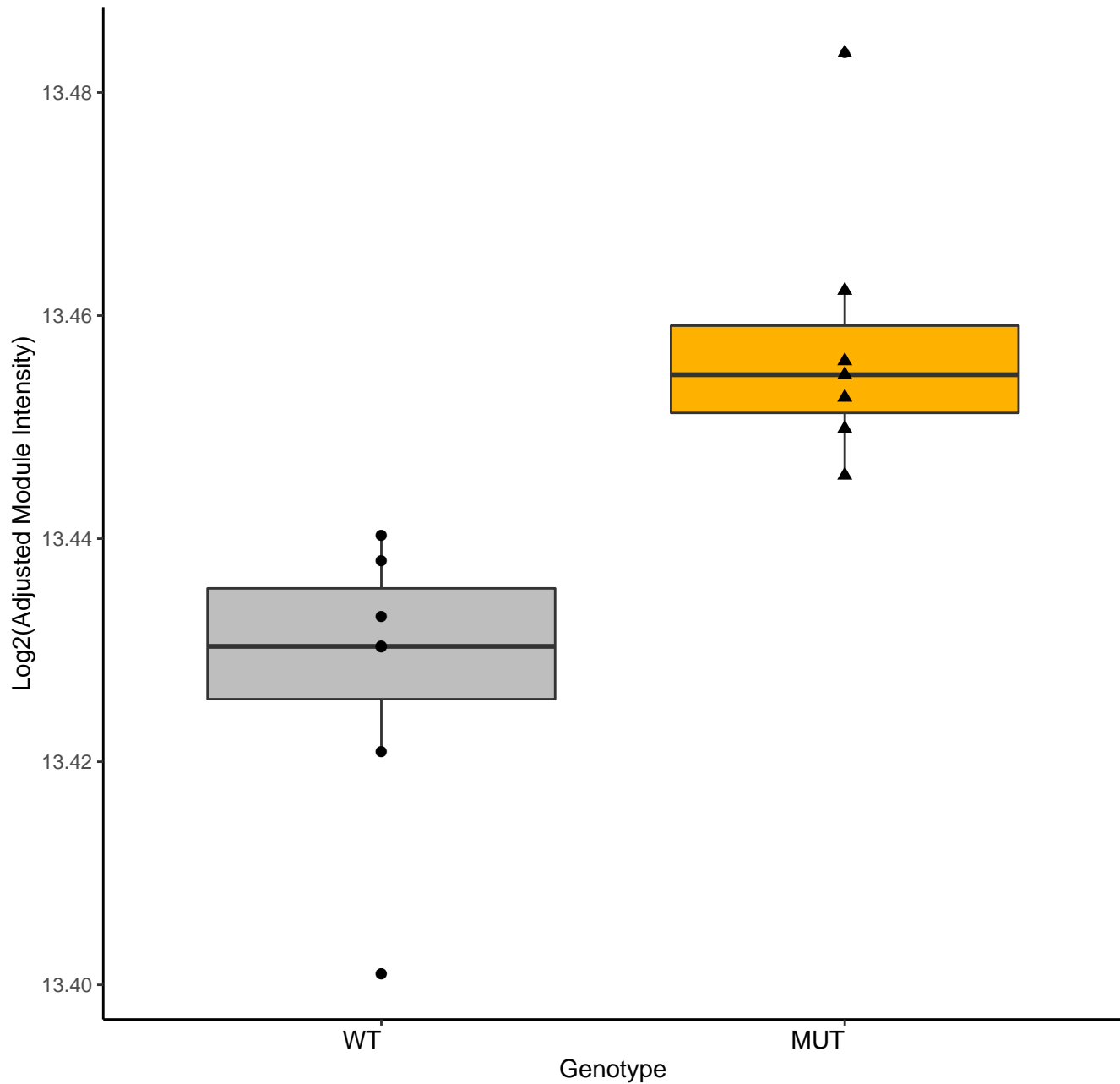
MUT



M174



M175



M176

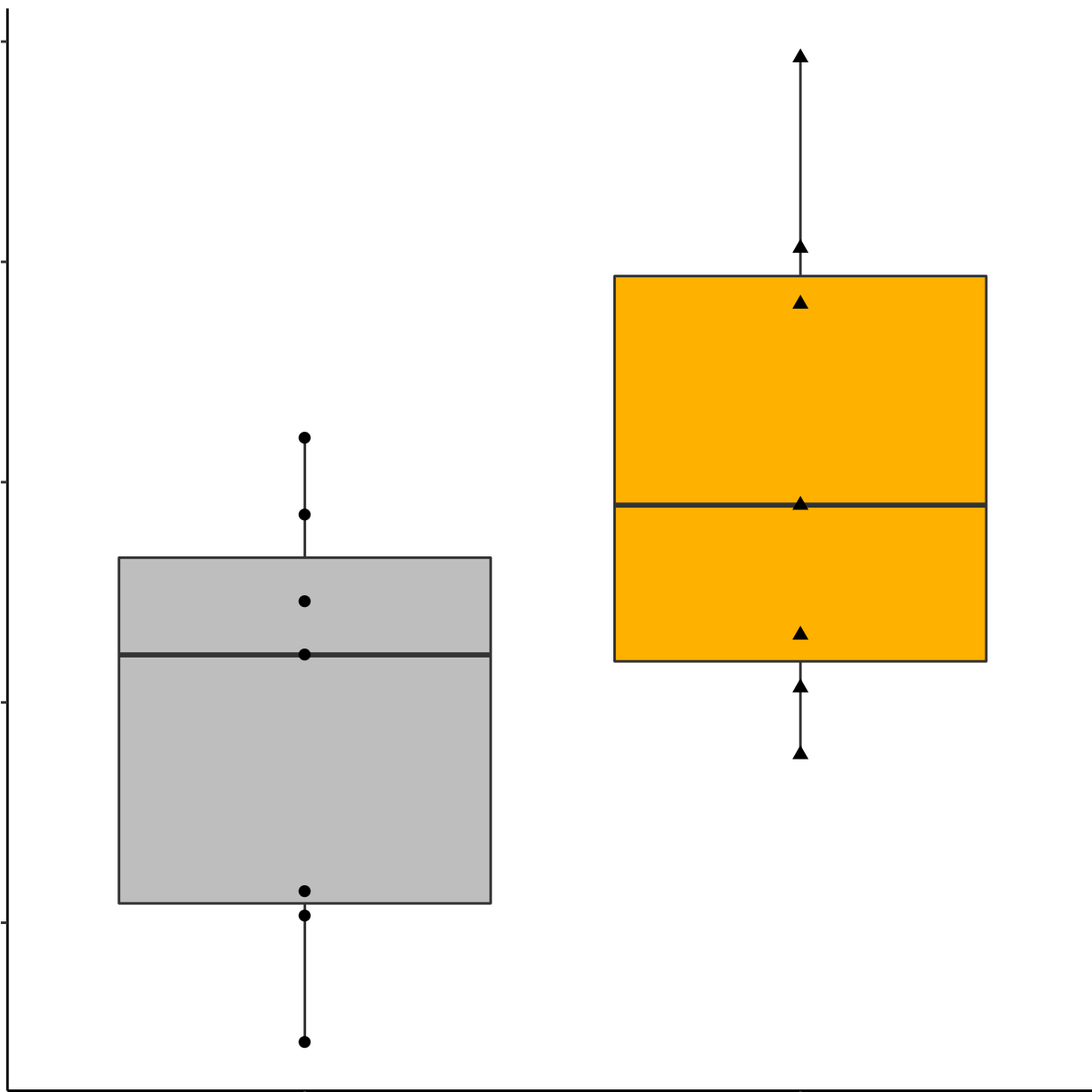
Log2(Adjusted Module Intensity)

11.44
11.43
11.42
11.41
11.40

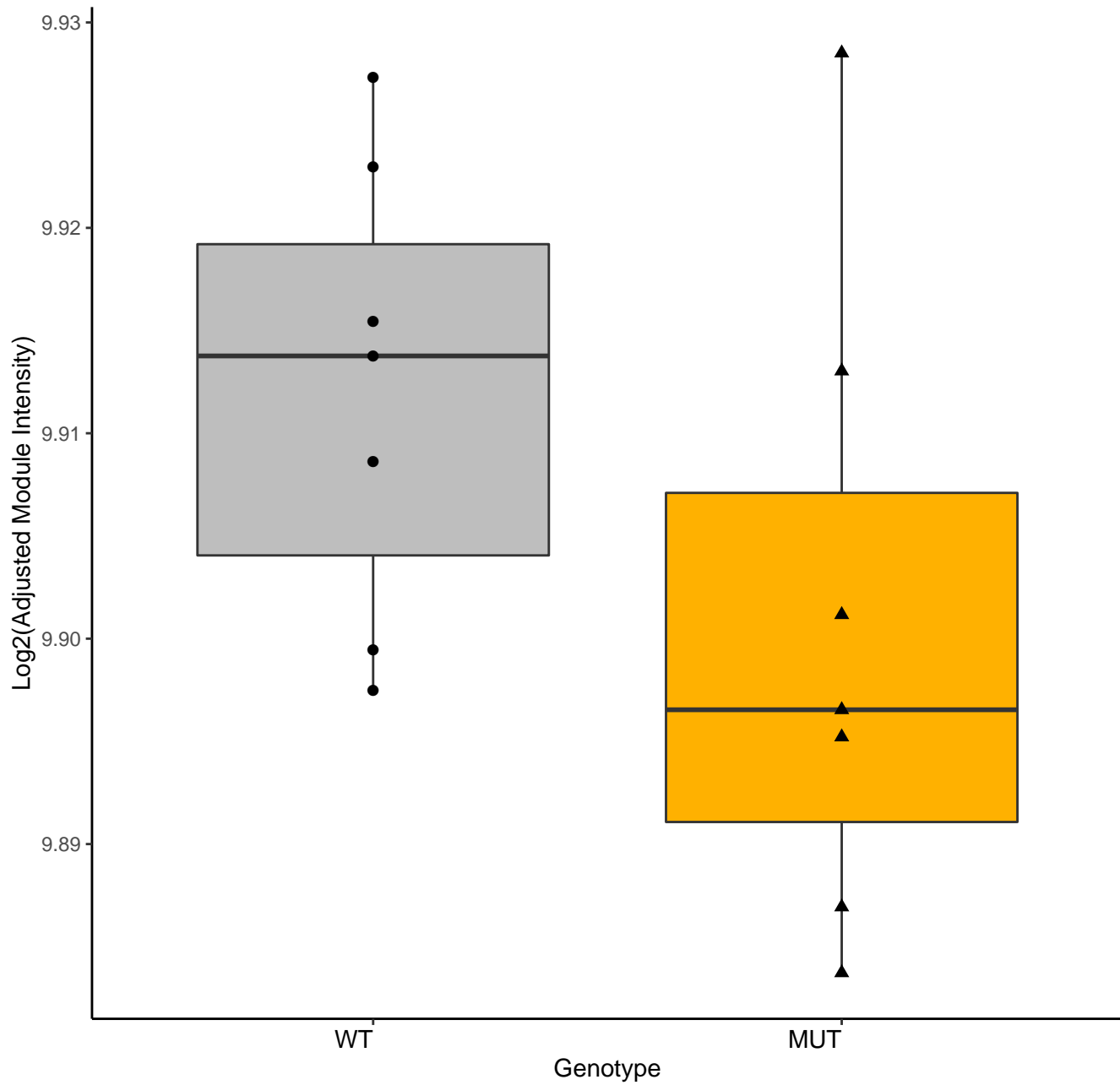
WT

Genotype

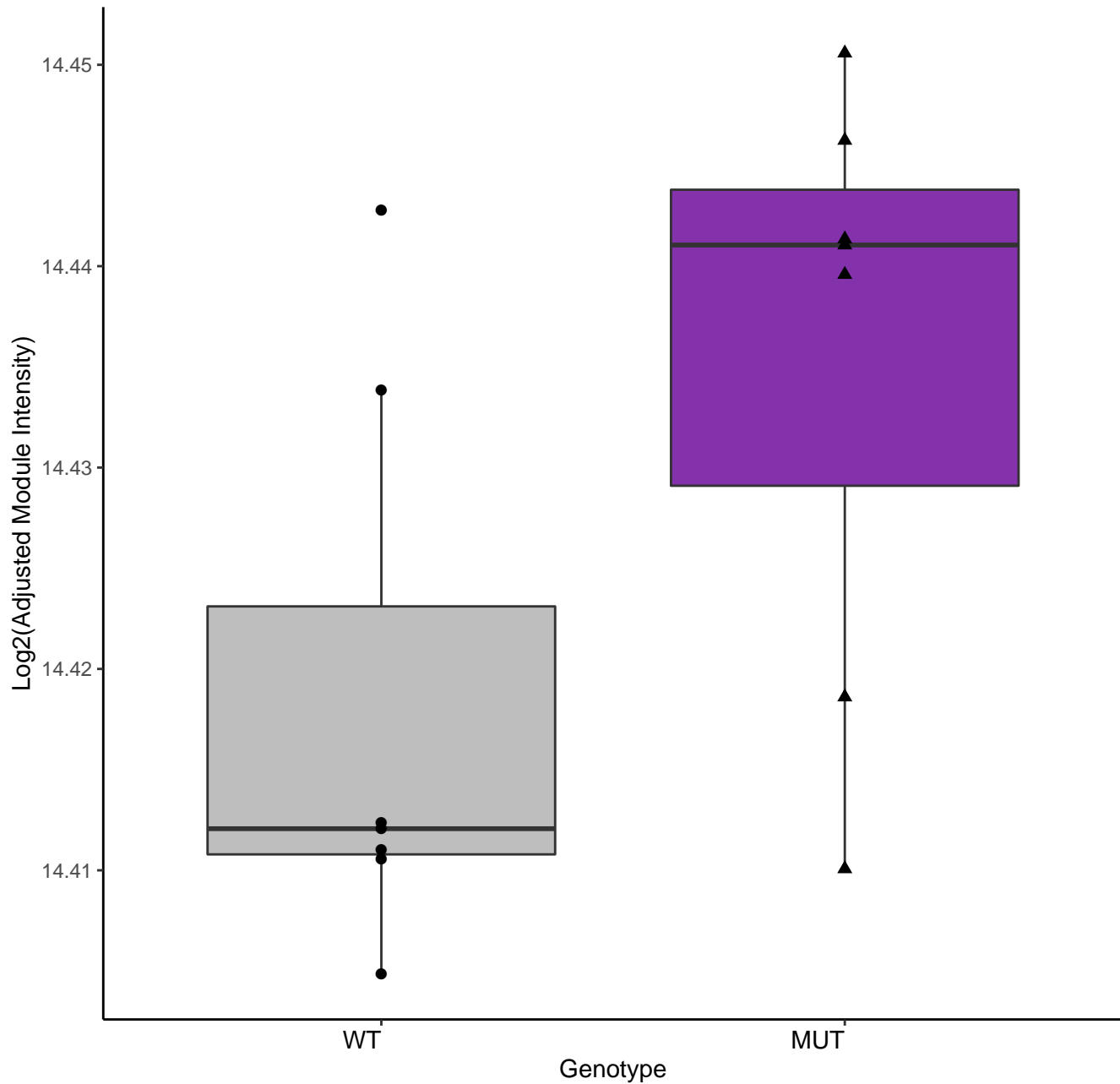
MUT



M177

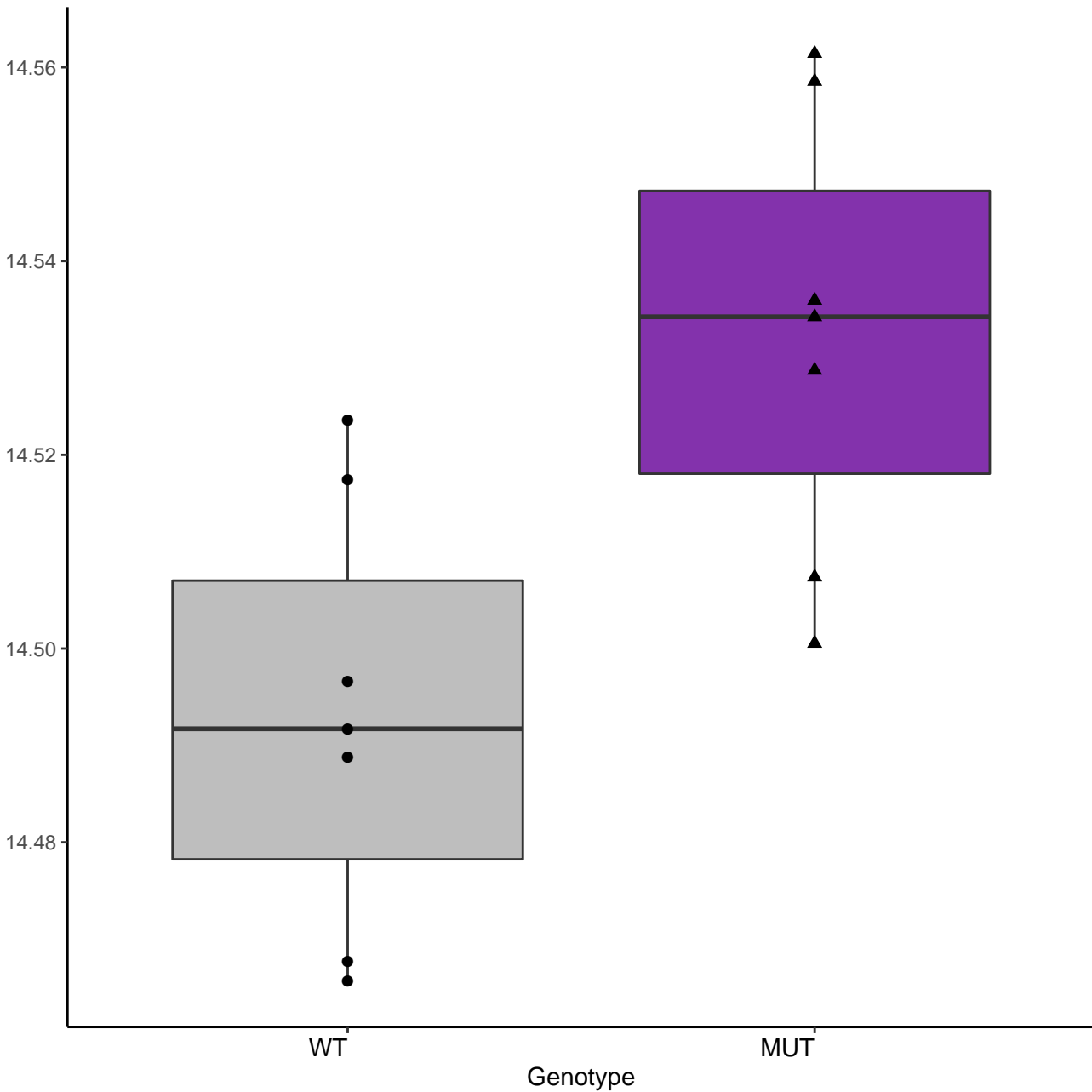


M178

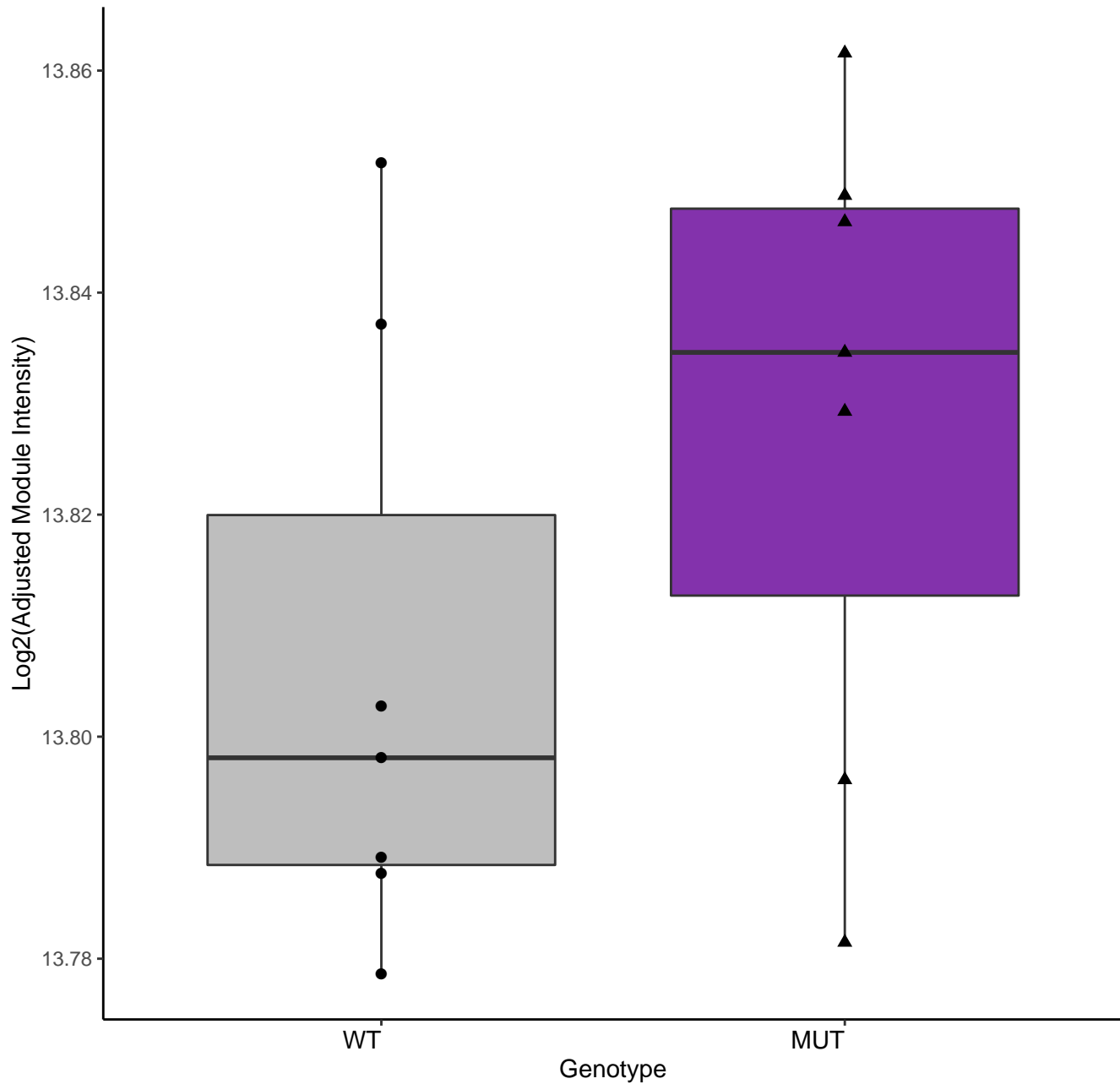


M179

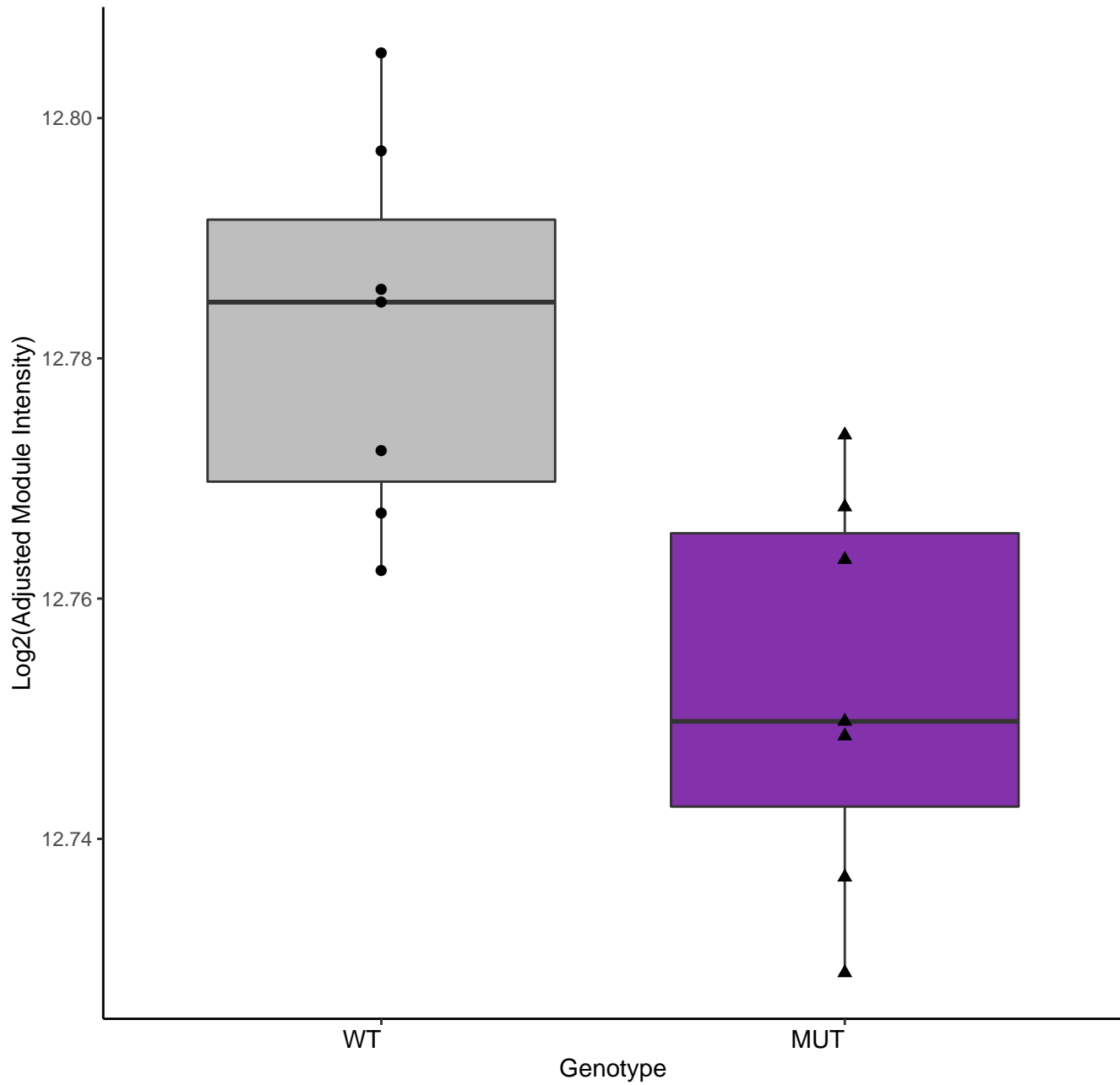
Log2(Adjusted Module Intensity)



M180



M181



M182

Log2(Adjusted Module Intensity)

12.54

12.52

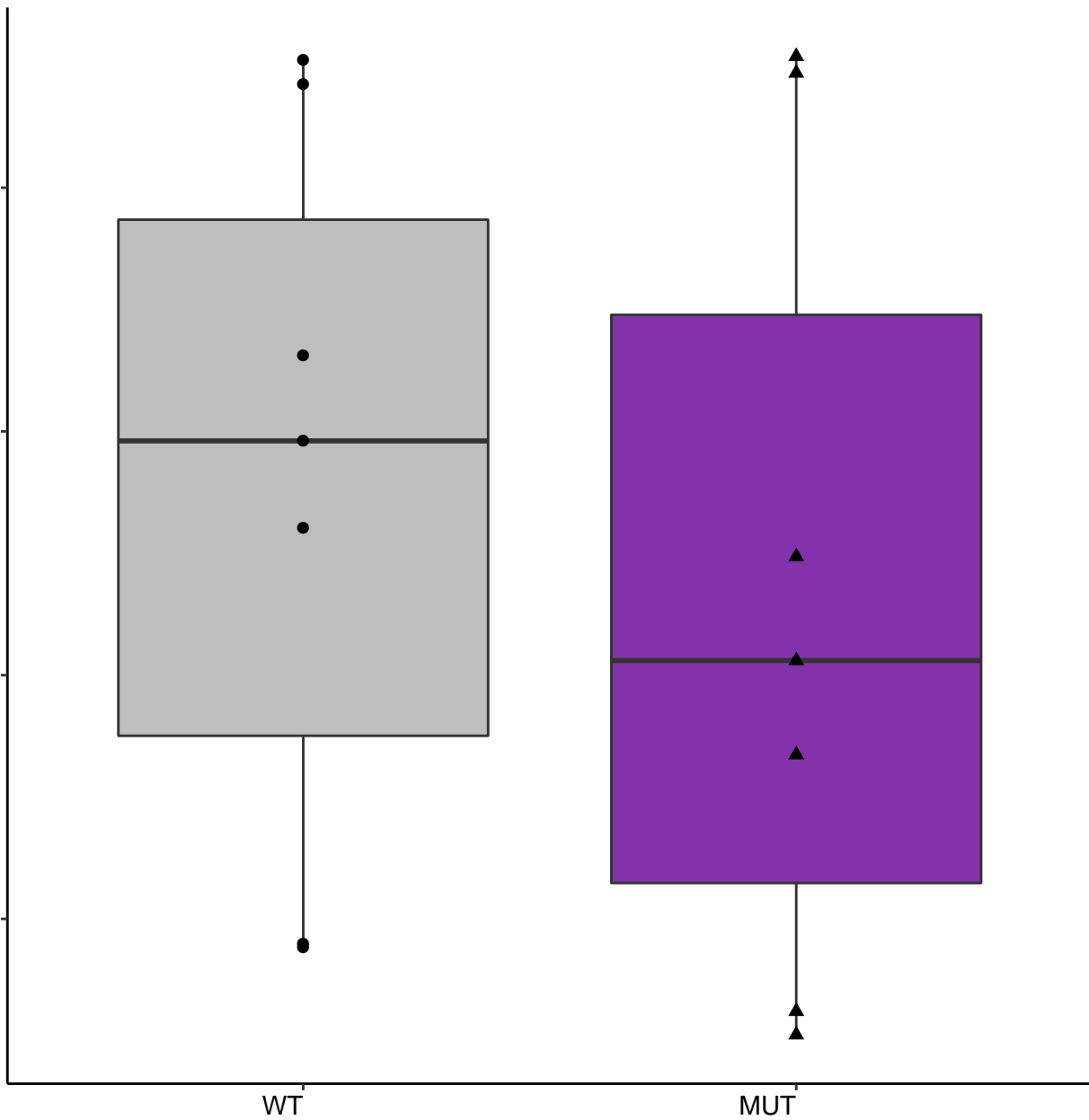
12.50

12.48

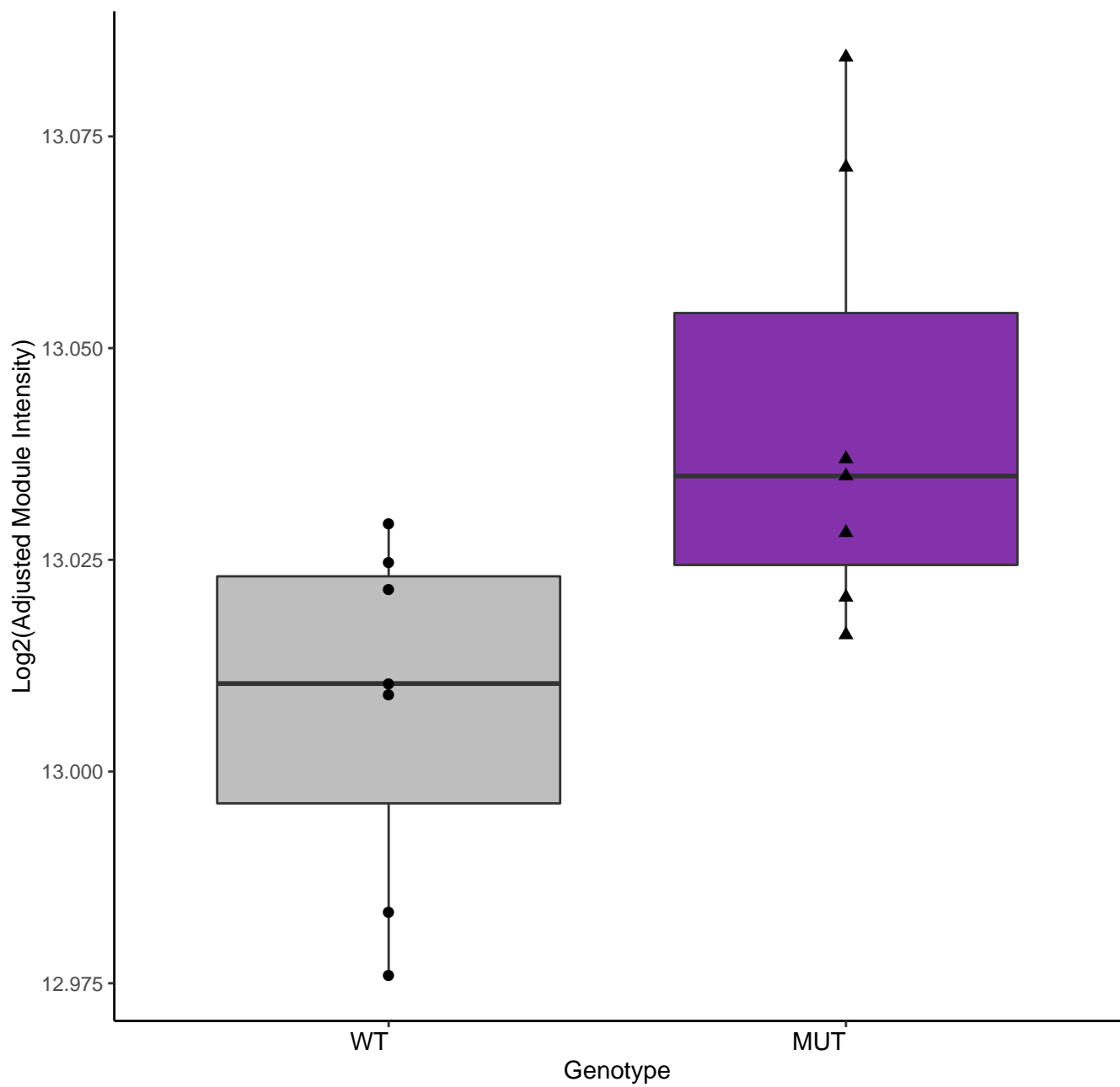
WT

Genotype

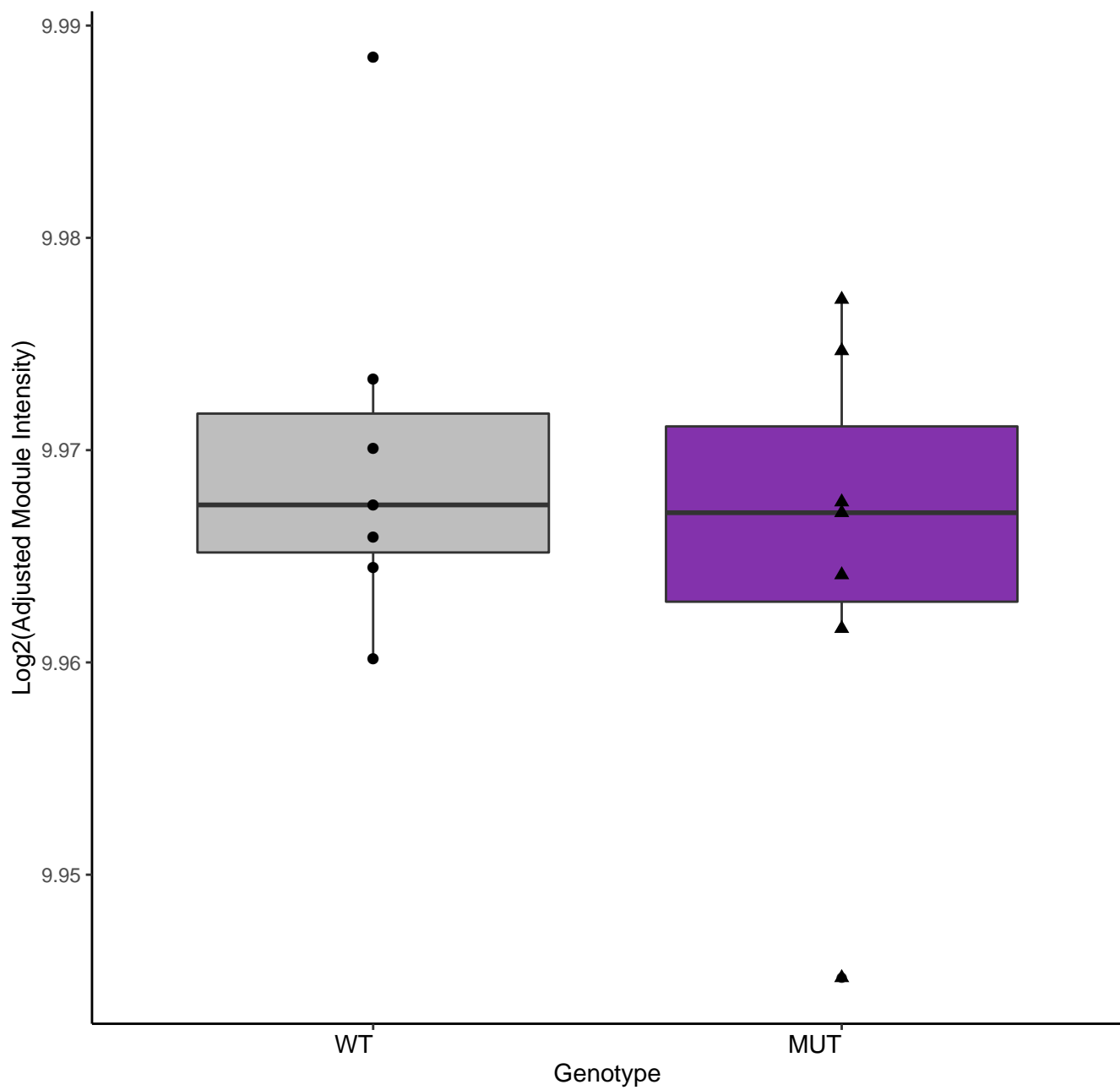
MUT



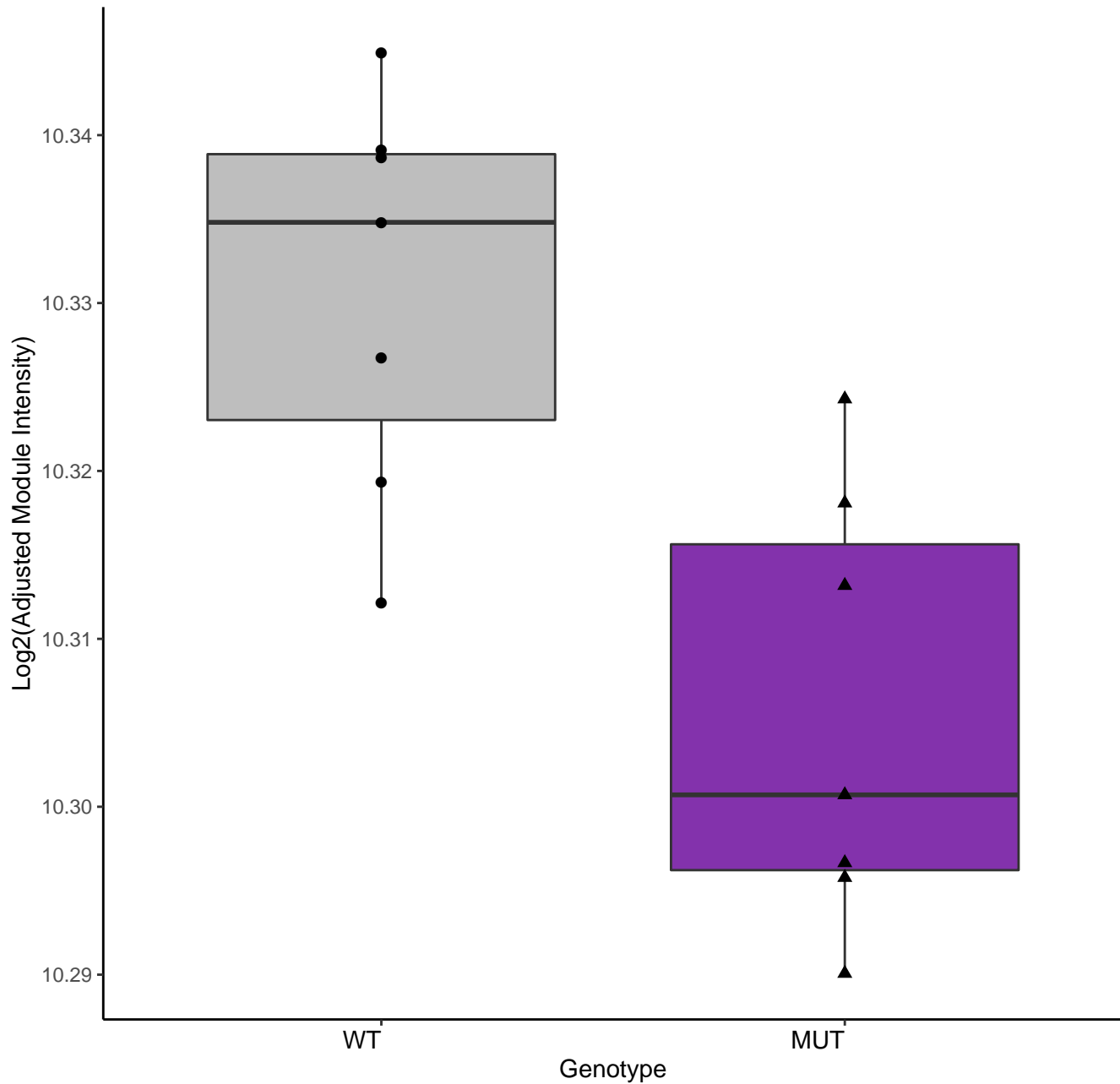
M183



M184



M185



M186

Log2(Adjusted Module Intensity)

14.68

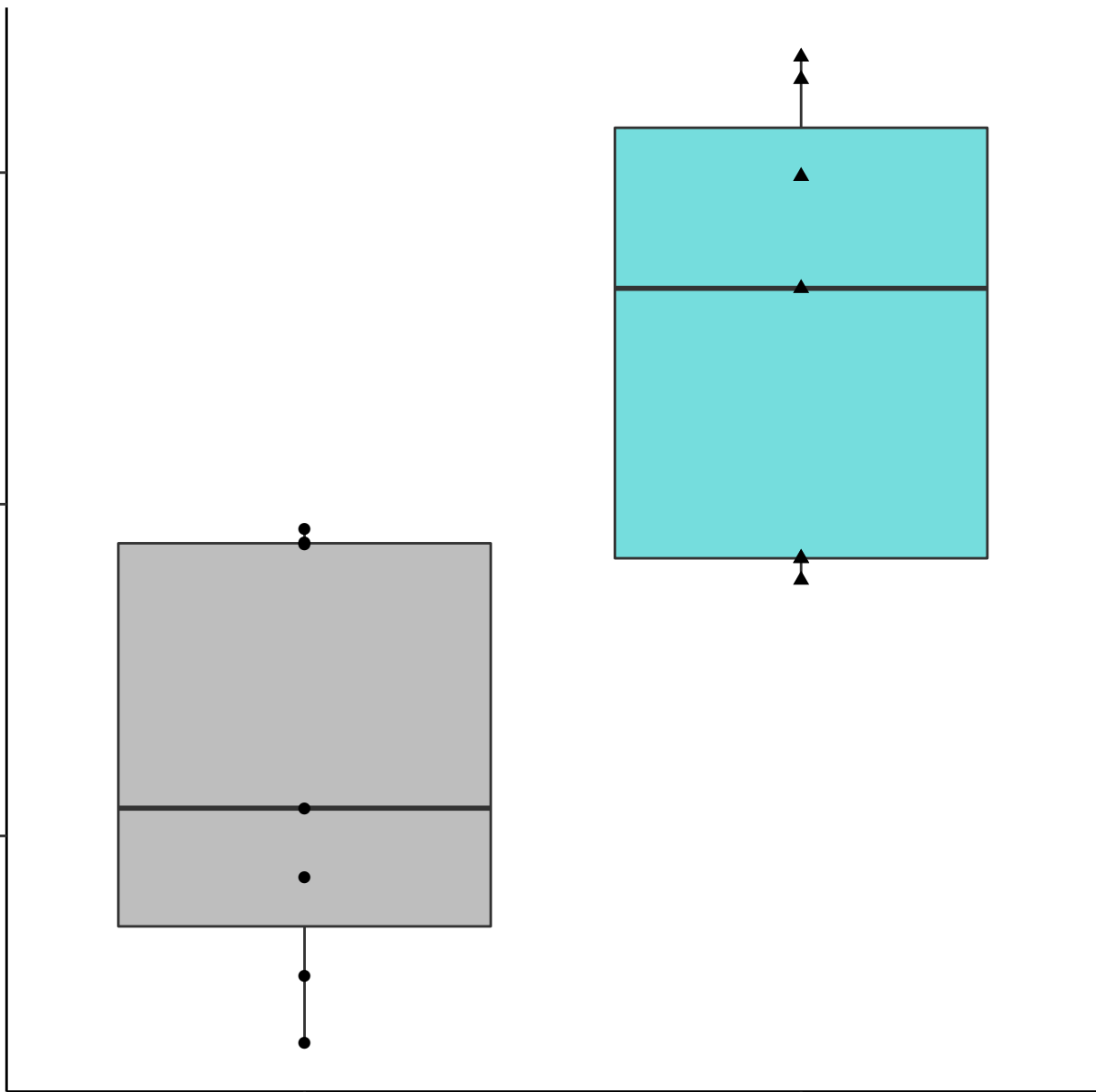
14.66

14.64

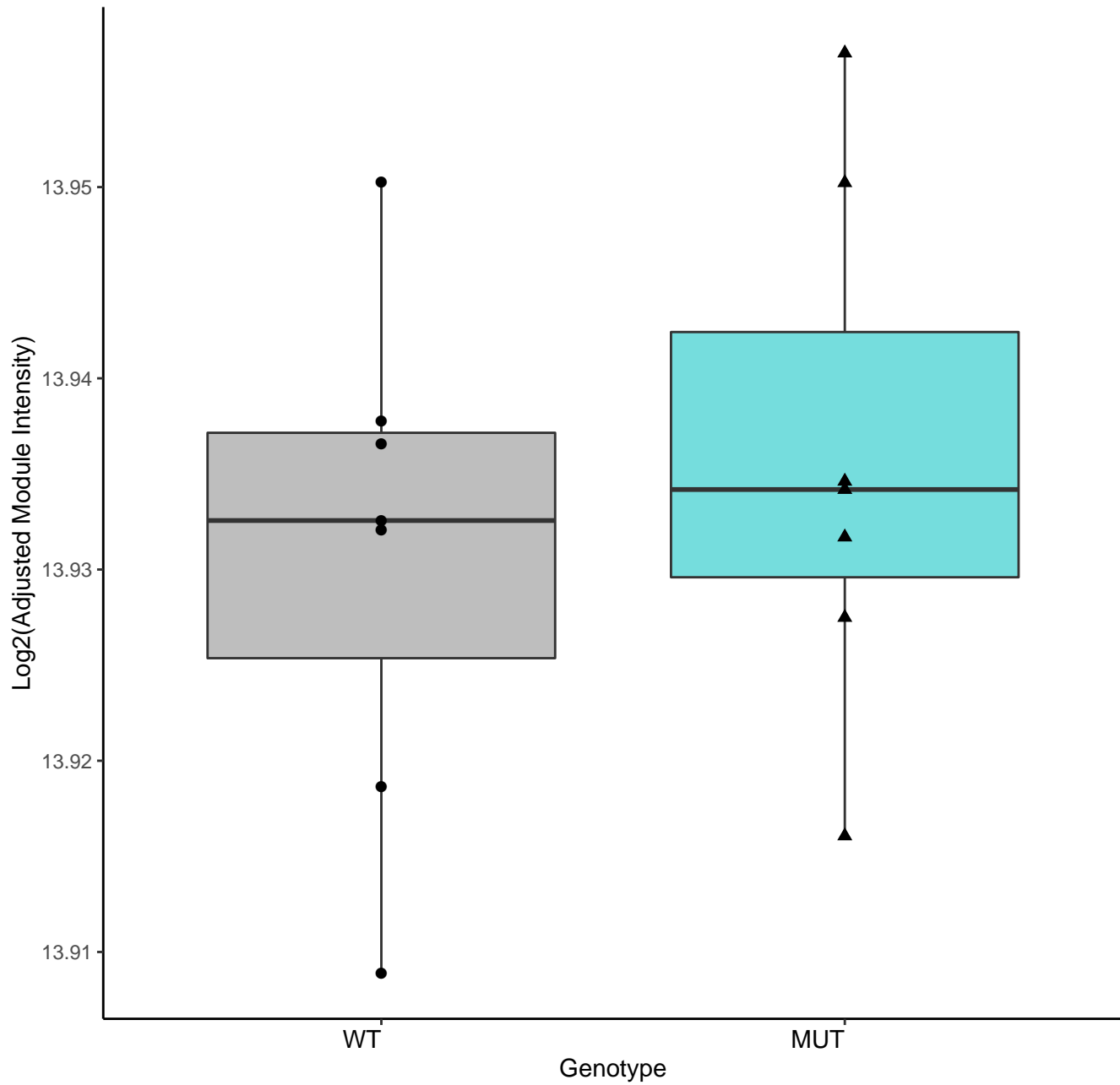
WT

MUT

Genotype



M187



M188

Log2(Adjusted Module Intensity)

13.94

13.92

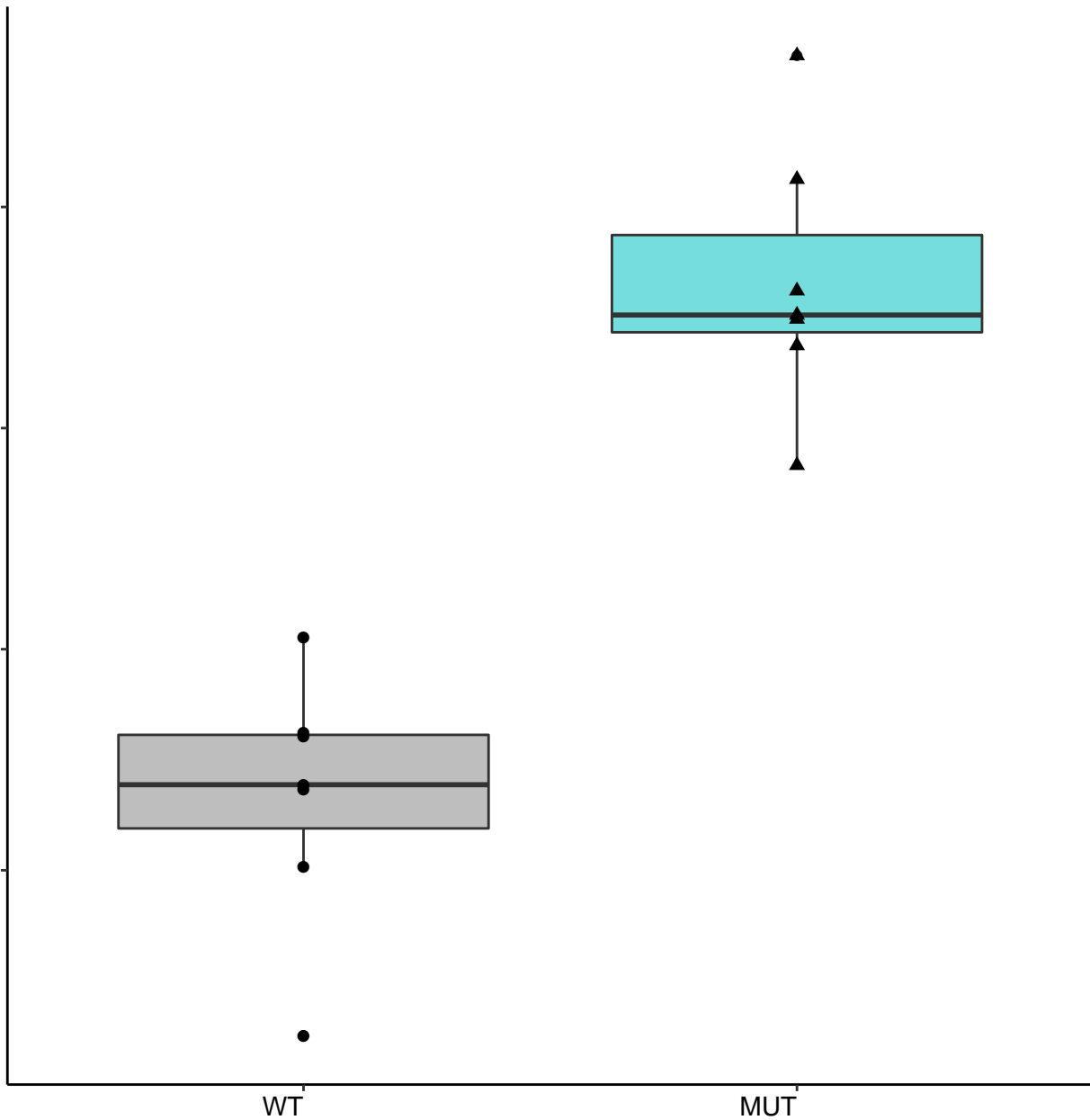
13.90

13.88

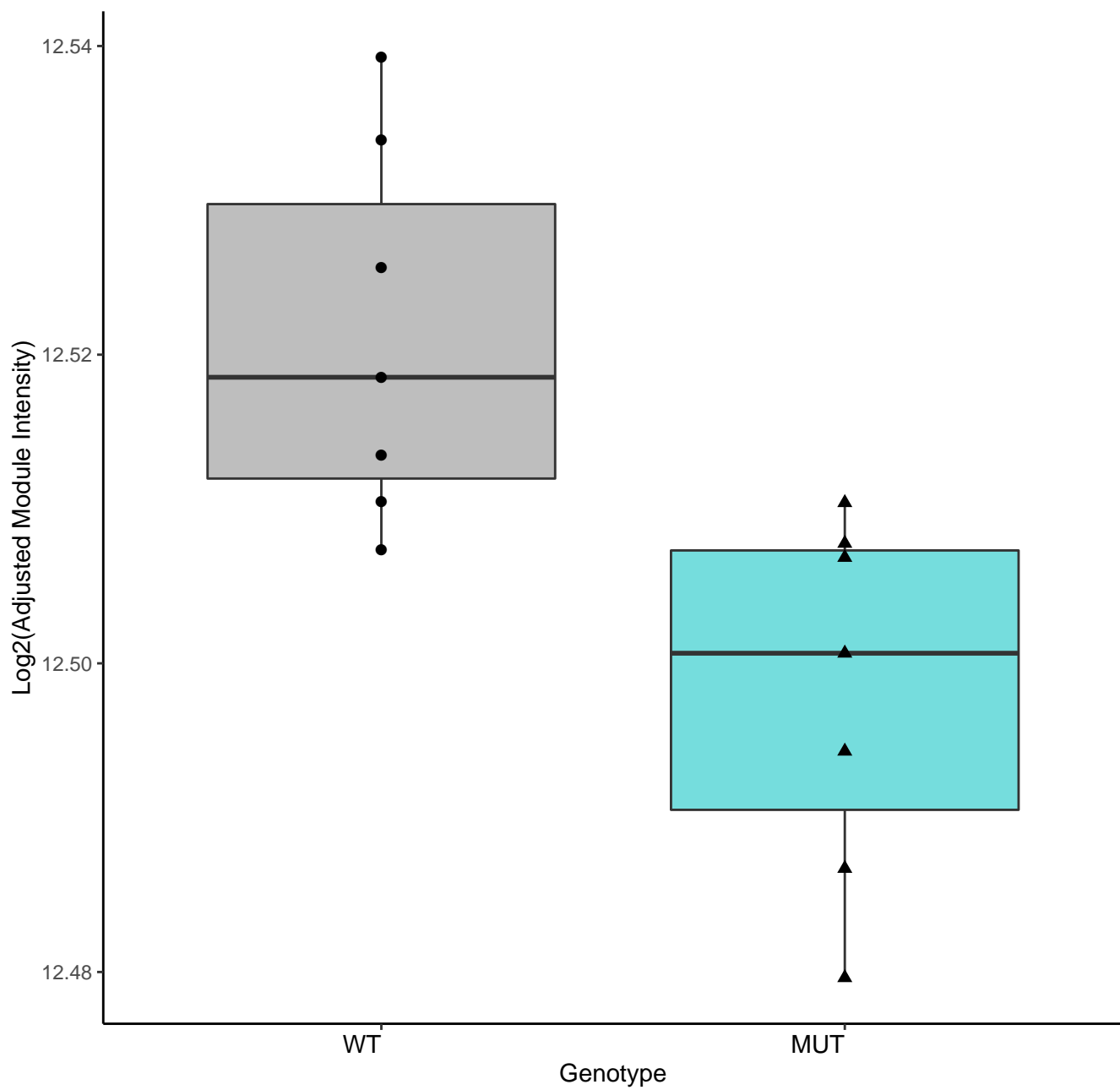
WT

Genotype

MUT



M189



M190

Log2(Adjusted Module Intensity)

11.38

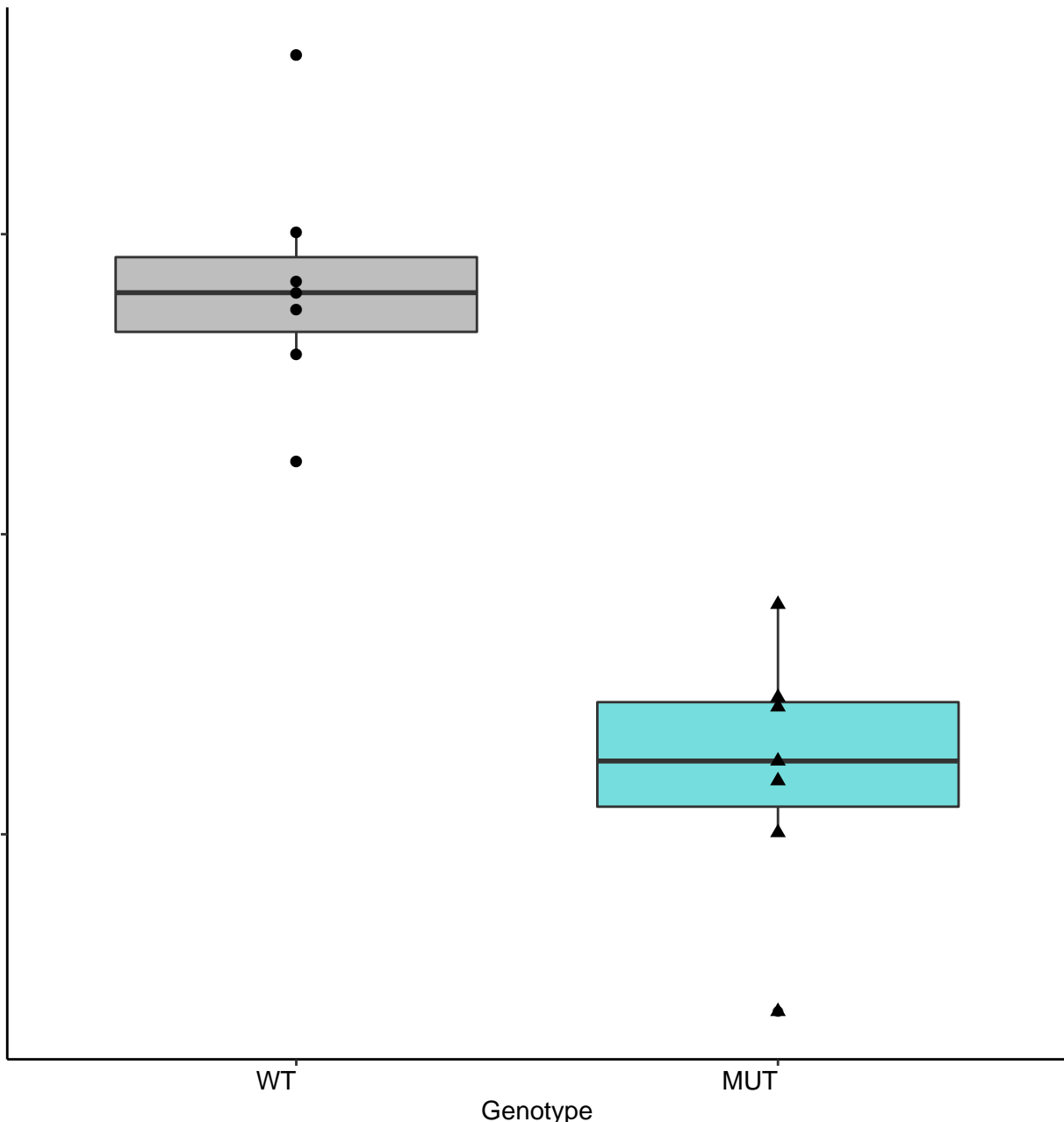
11.36

11.34

WT

Genotype

MUT



M191

Log2(Adjusted Module Intensity)

12.04

12.02

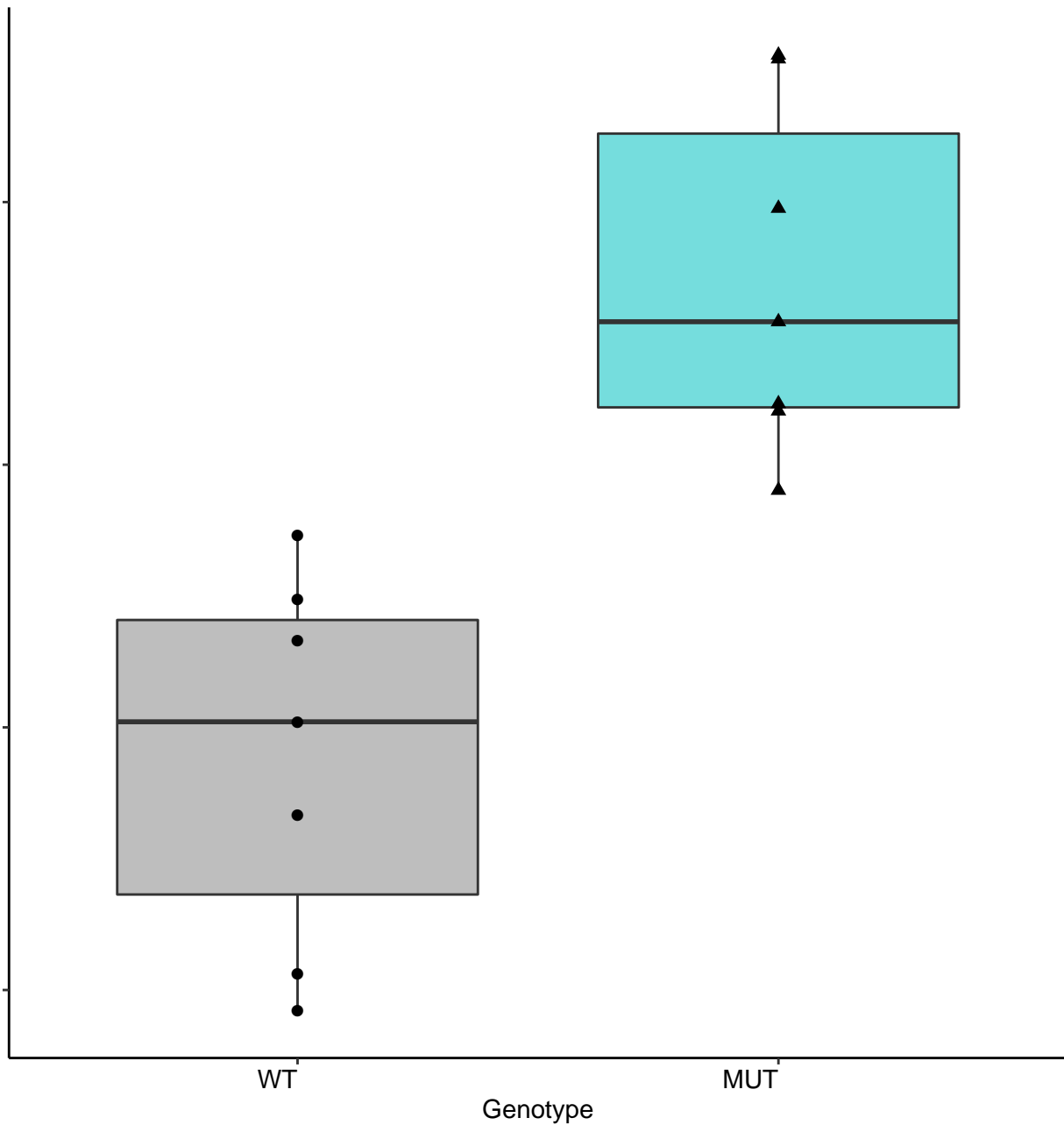
12.00

11.98

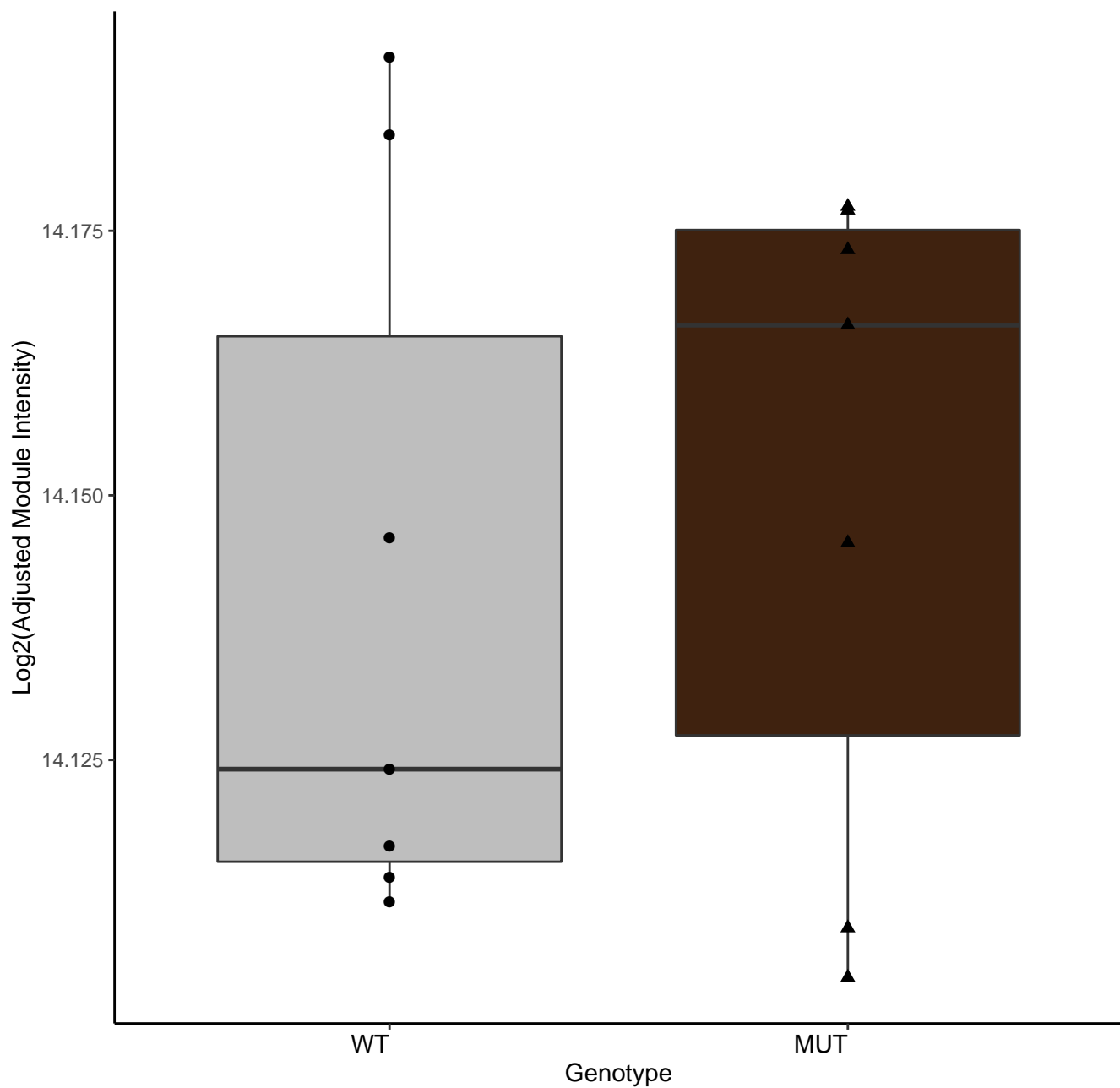
WT

Genotype

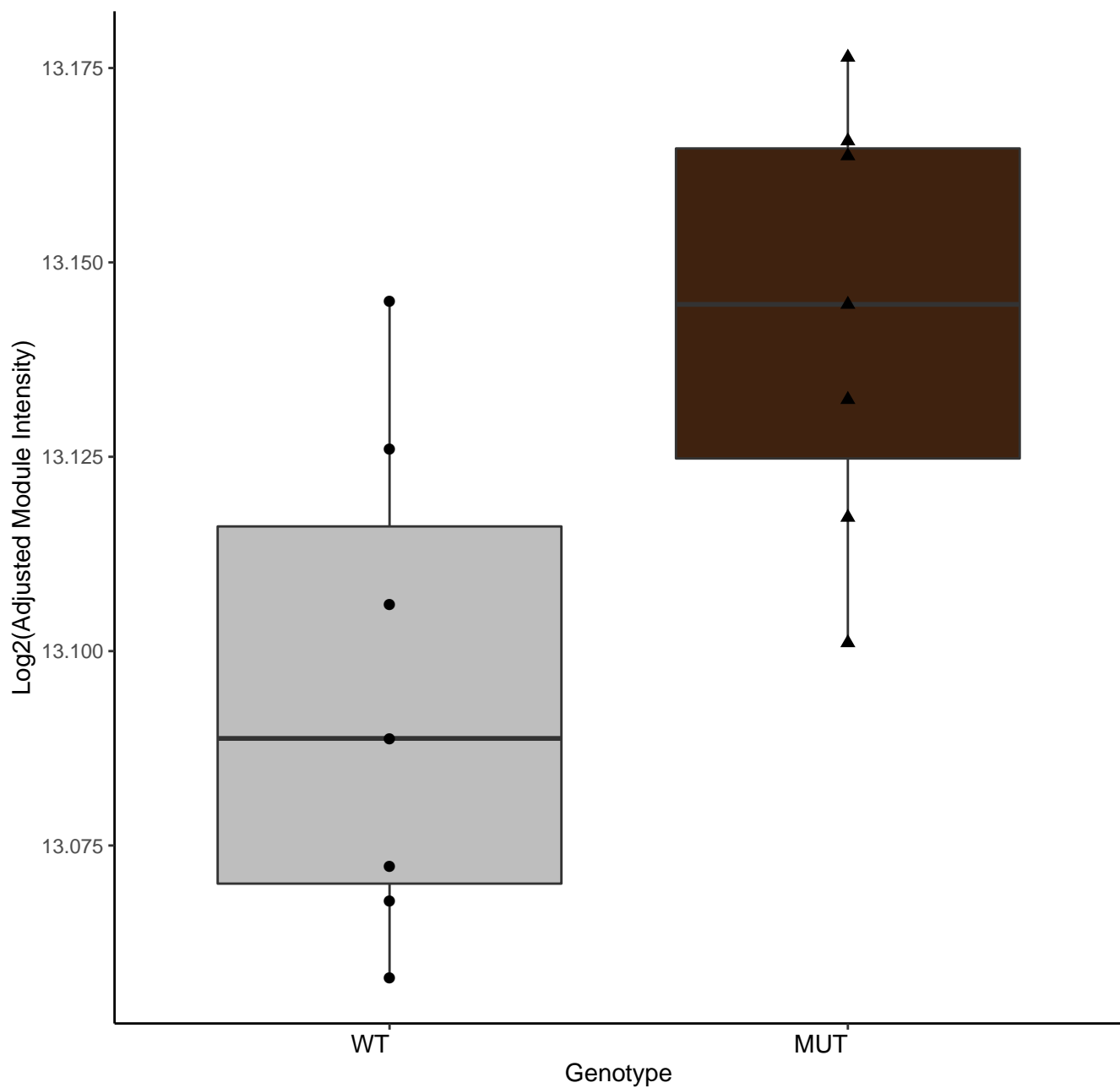
MUT



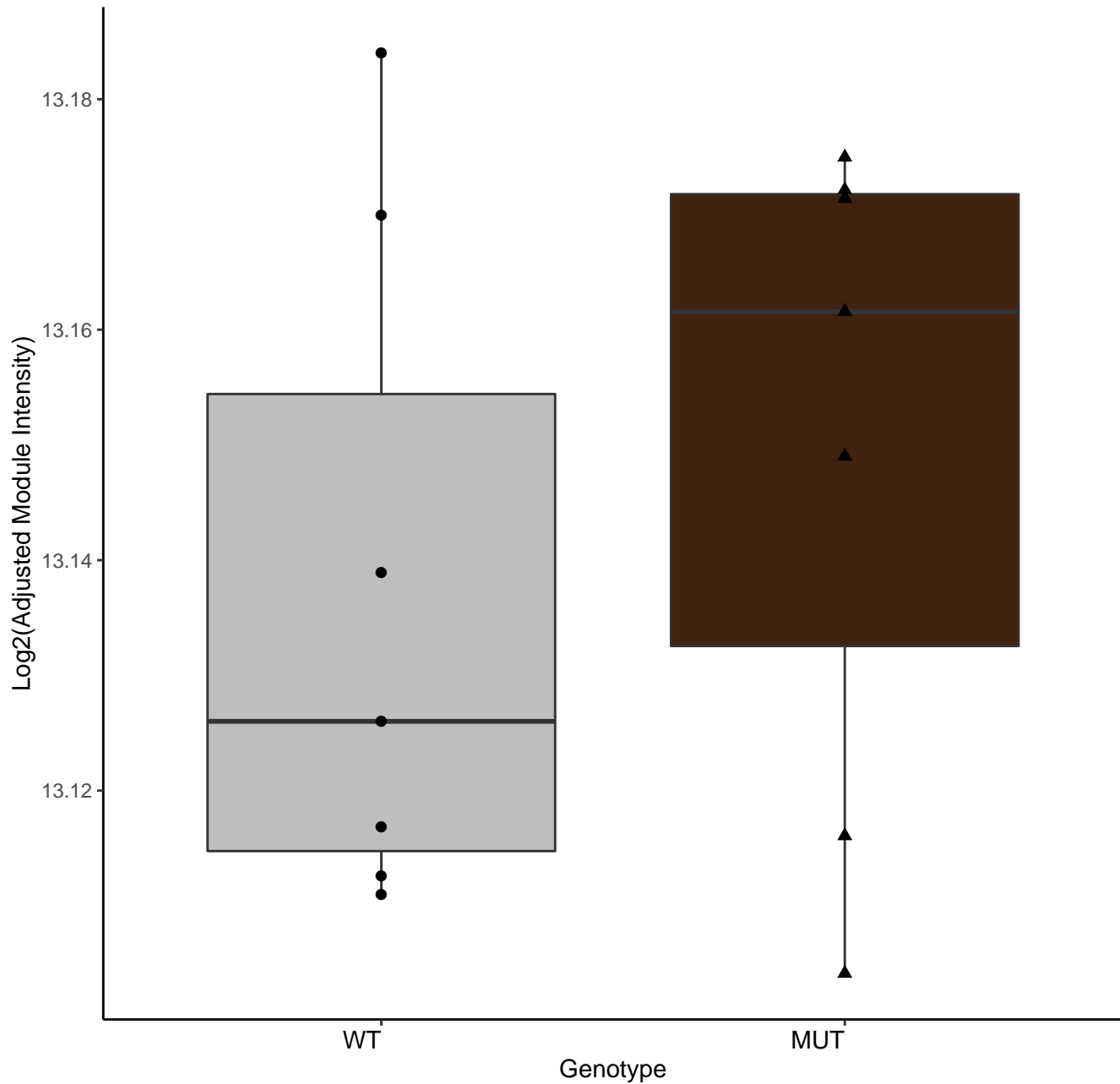
M192

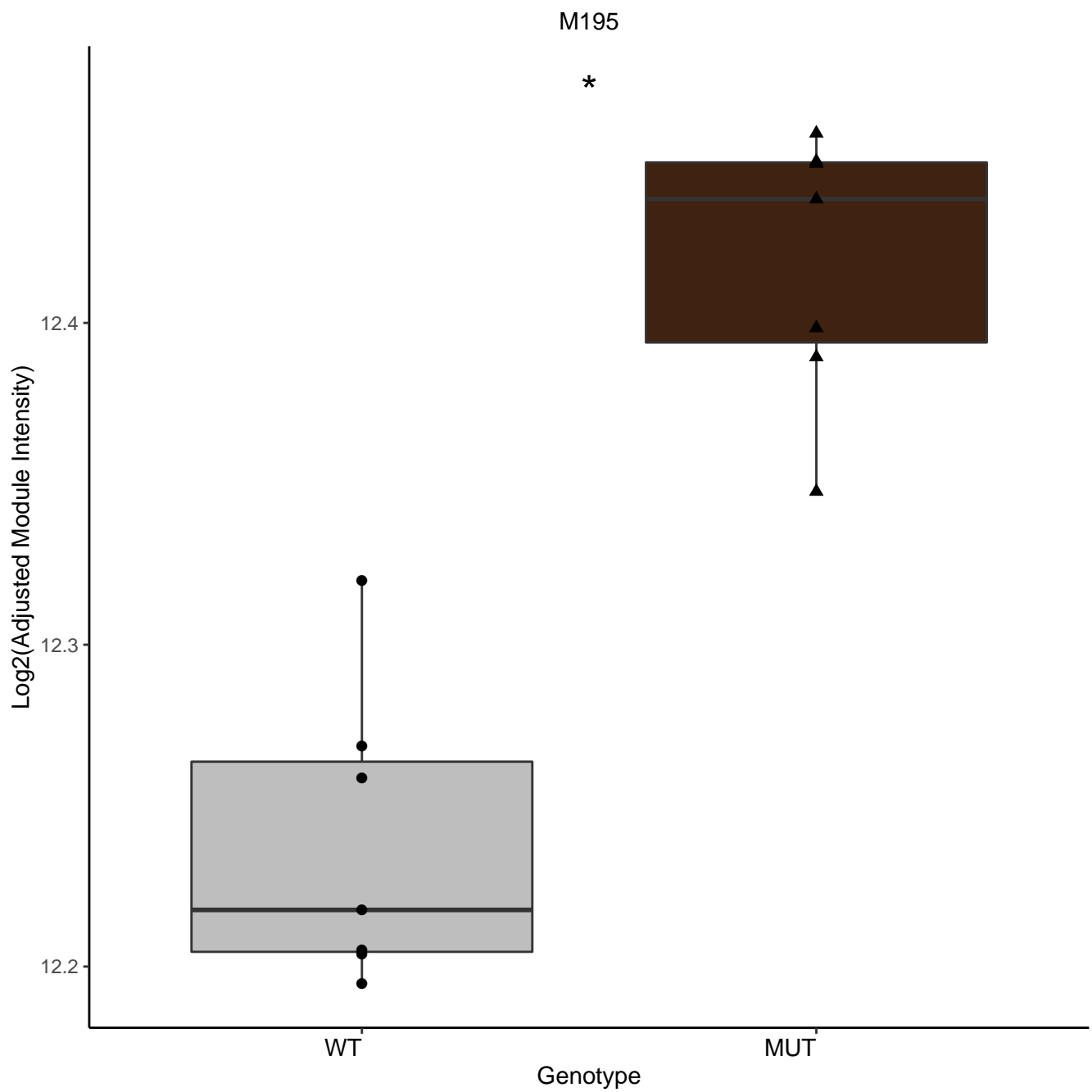


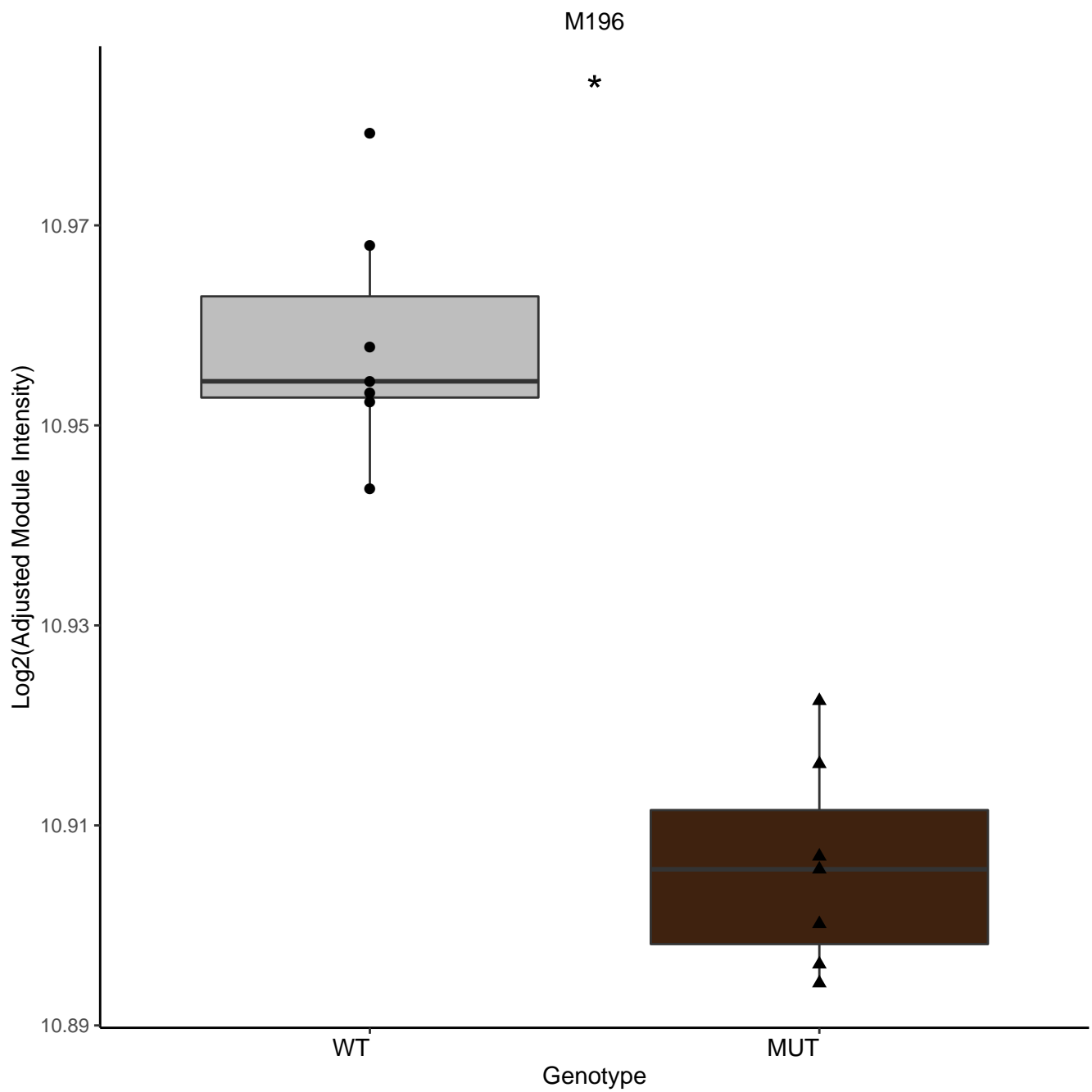
M193



M194







M197

Log2(Adjusted Module Intensity)

10.850

10.825

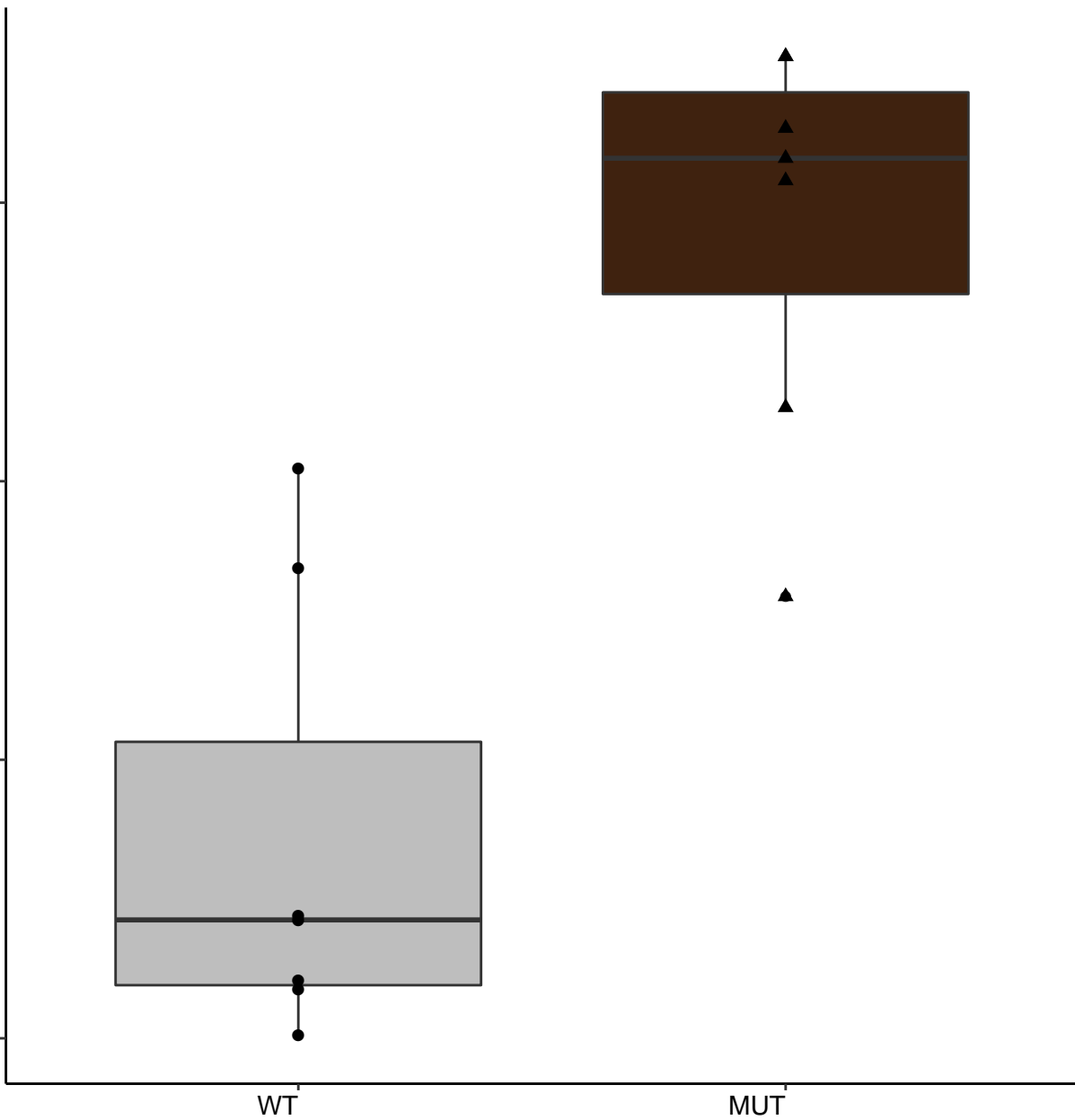
10.800

10.775

WT

Genotype

MUT



M198

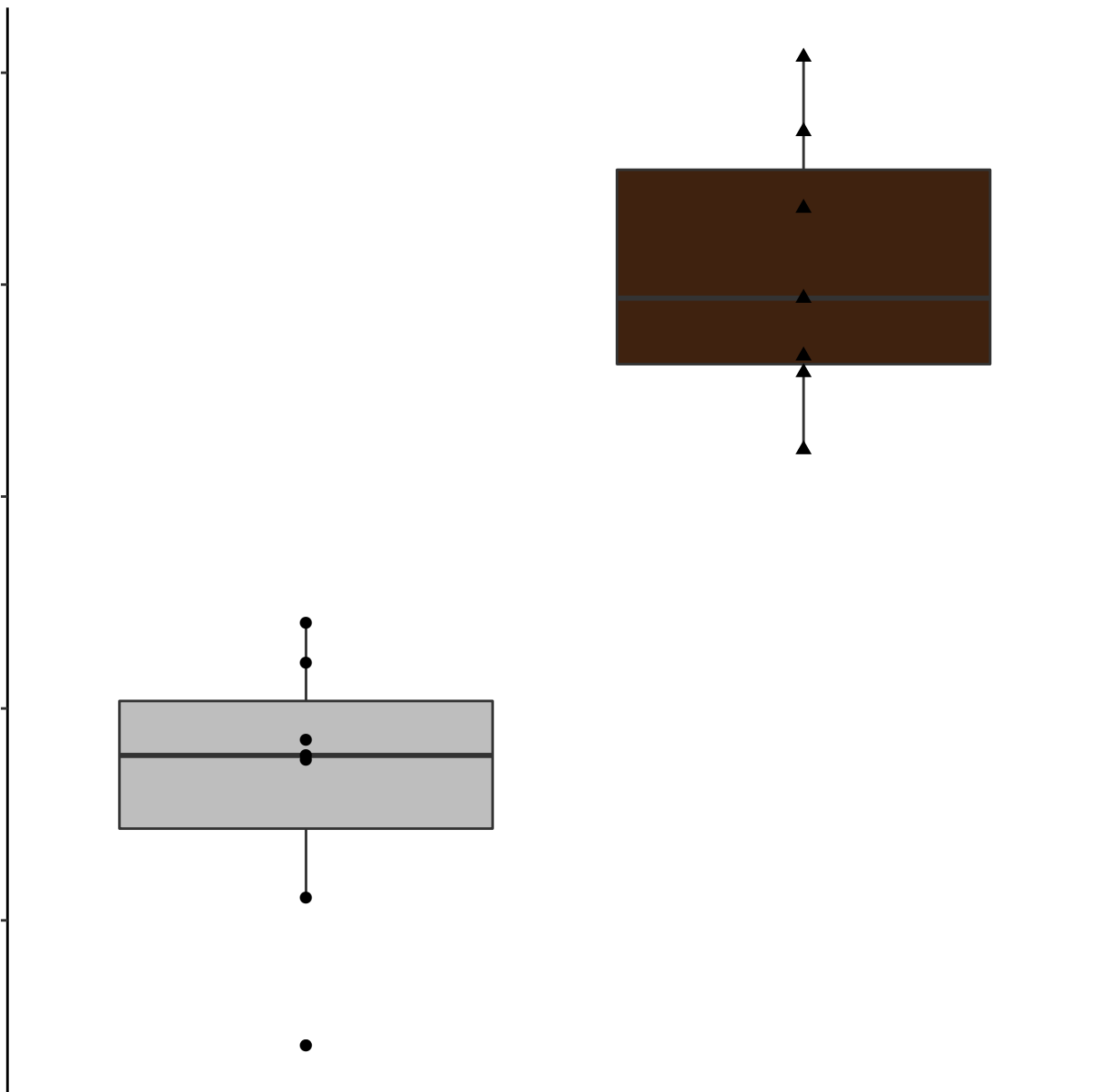
Log2(Adjusted Module Intensity)

11.36
11.35
11.34
11.33
11.32

WT

MUT

Genotype



M199

Log2(Adjusted Module Intensity)

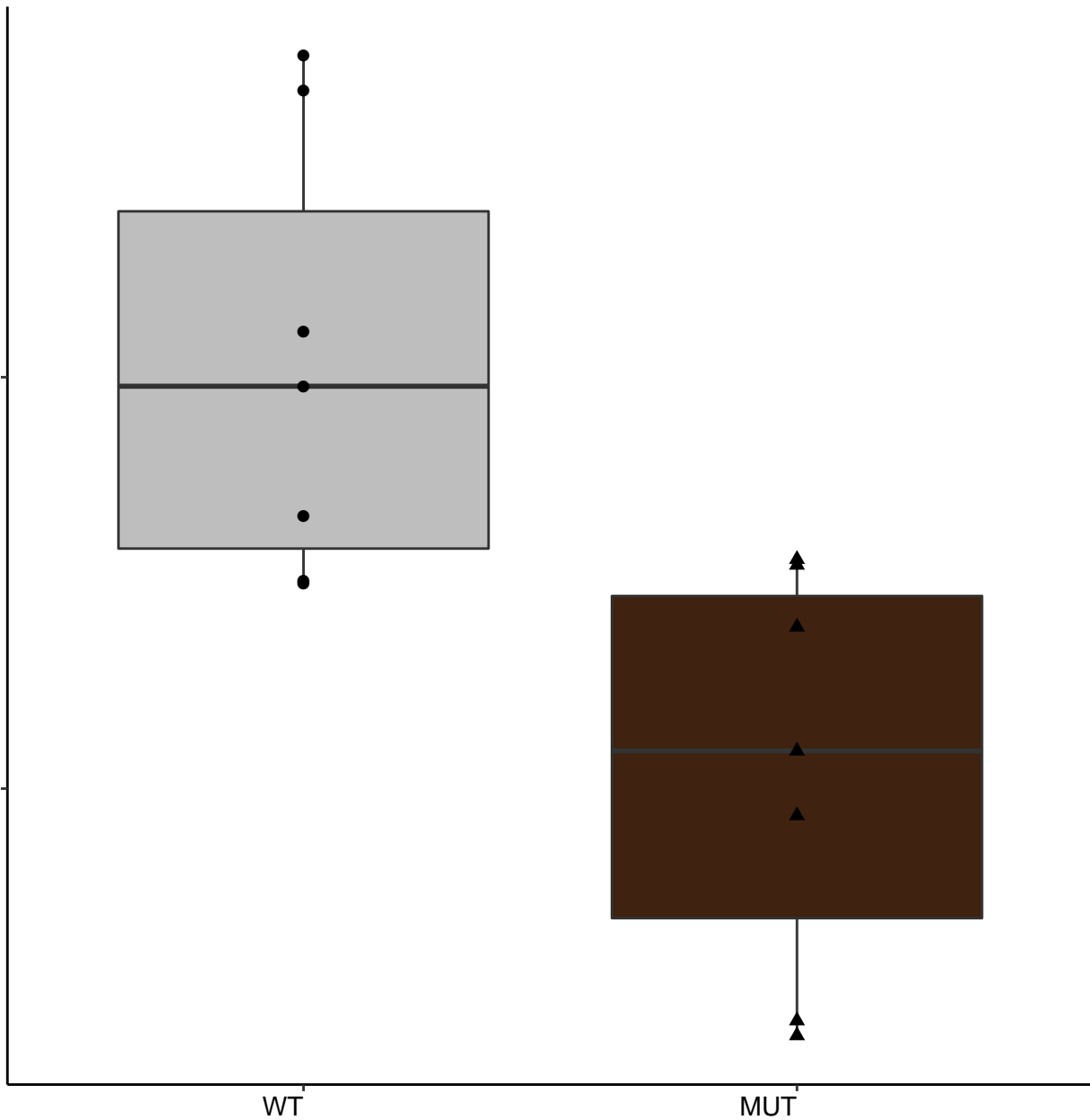
12.25

12.20

WT

Genotype

MUT



M200

Log2(Adjusted Module Intensity)

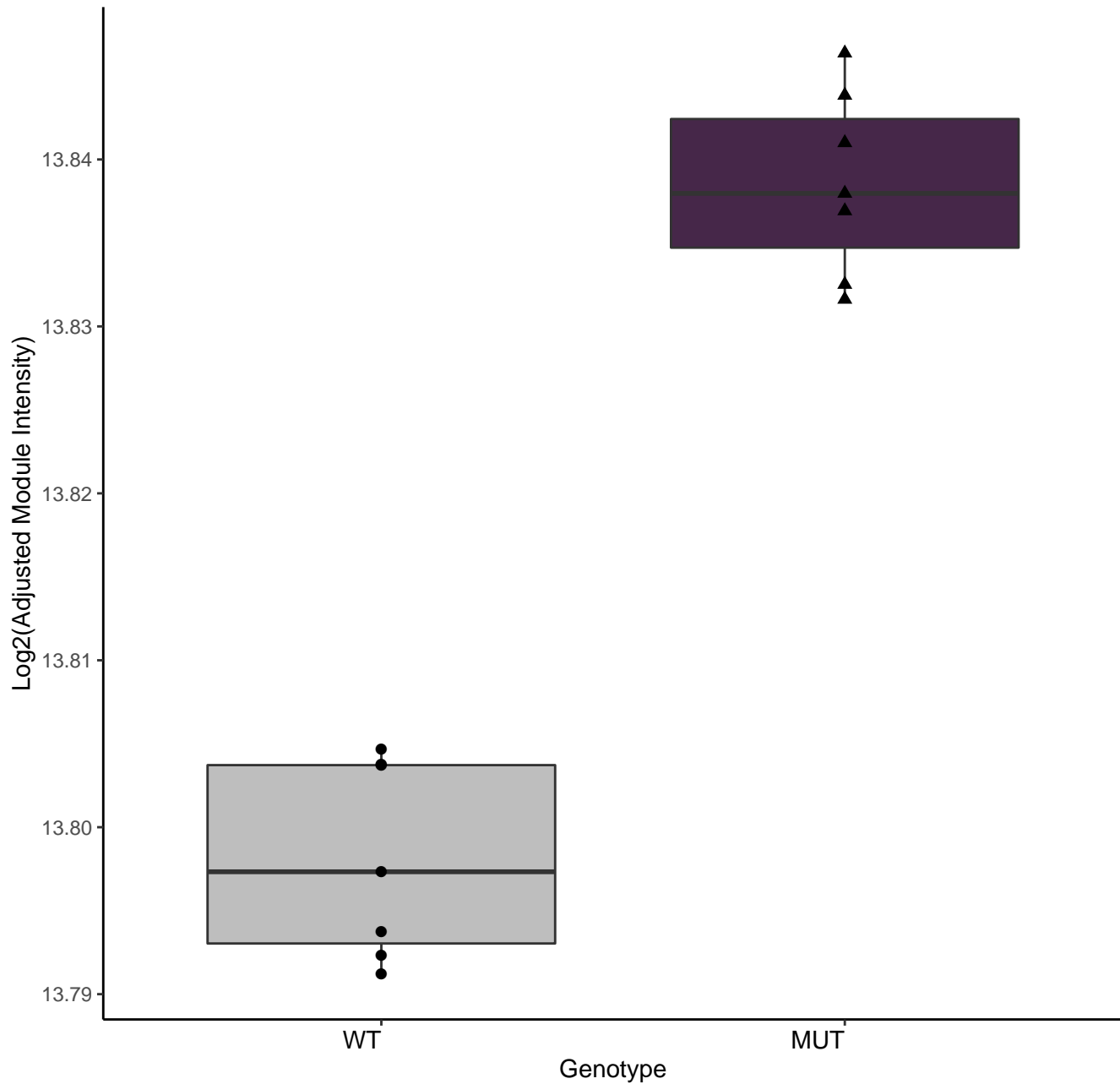


WT

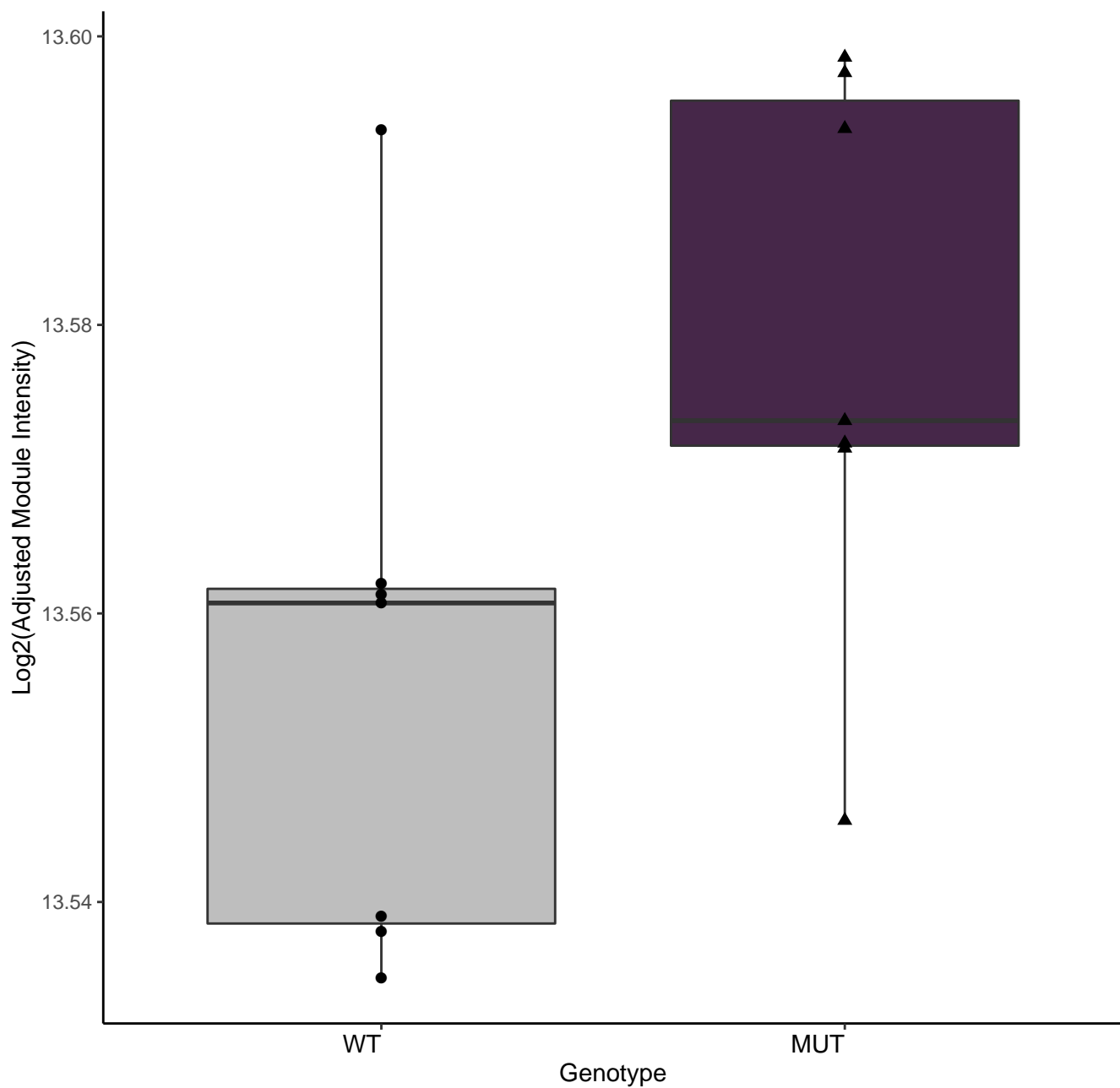
Genotype

MUT

M201



M202



M203

**

Log2(Adjusted Module Intensity)

12.40

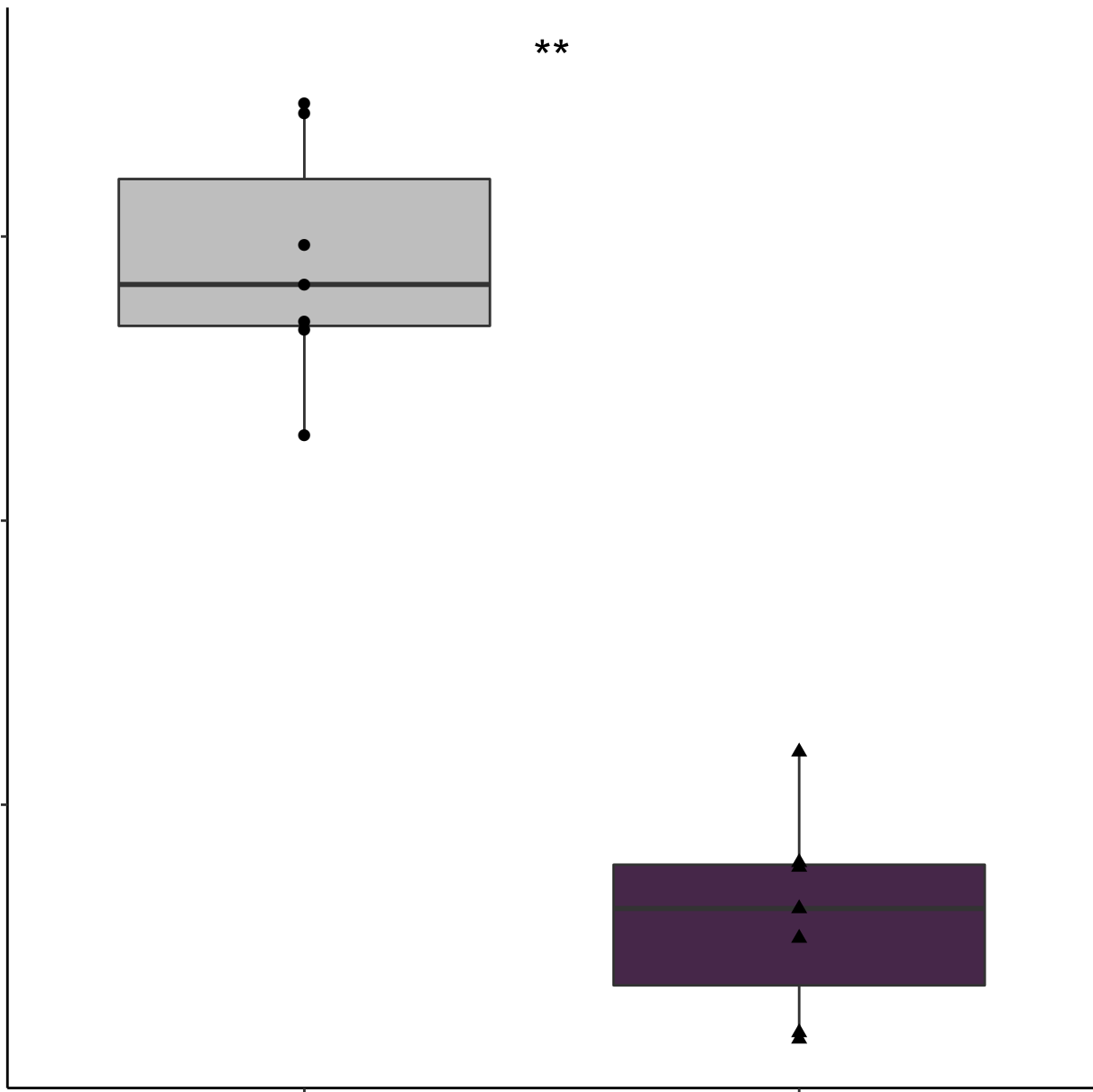
12.35

12.30

WT

Genotype

MUT



M204

Log2(Adjusted Module Intensity)

13.80

13.75

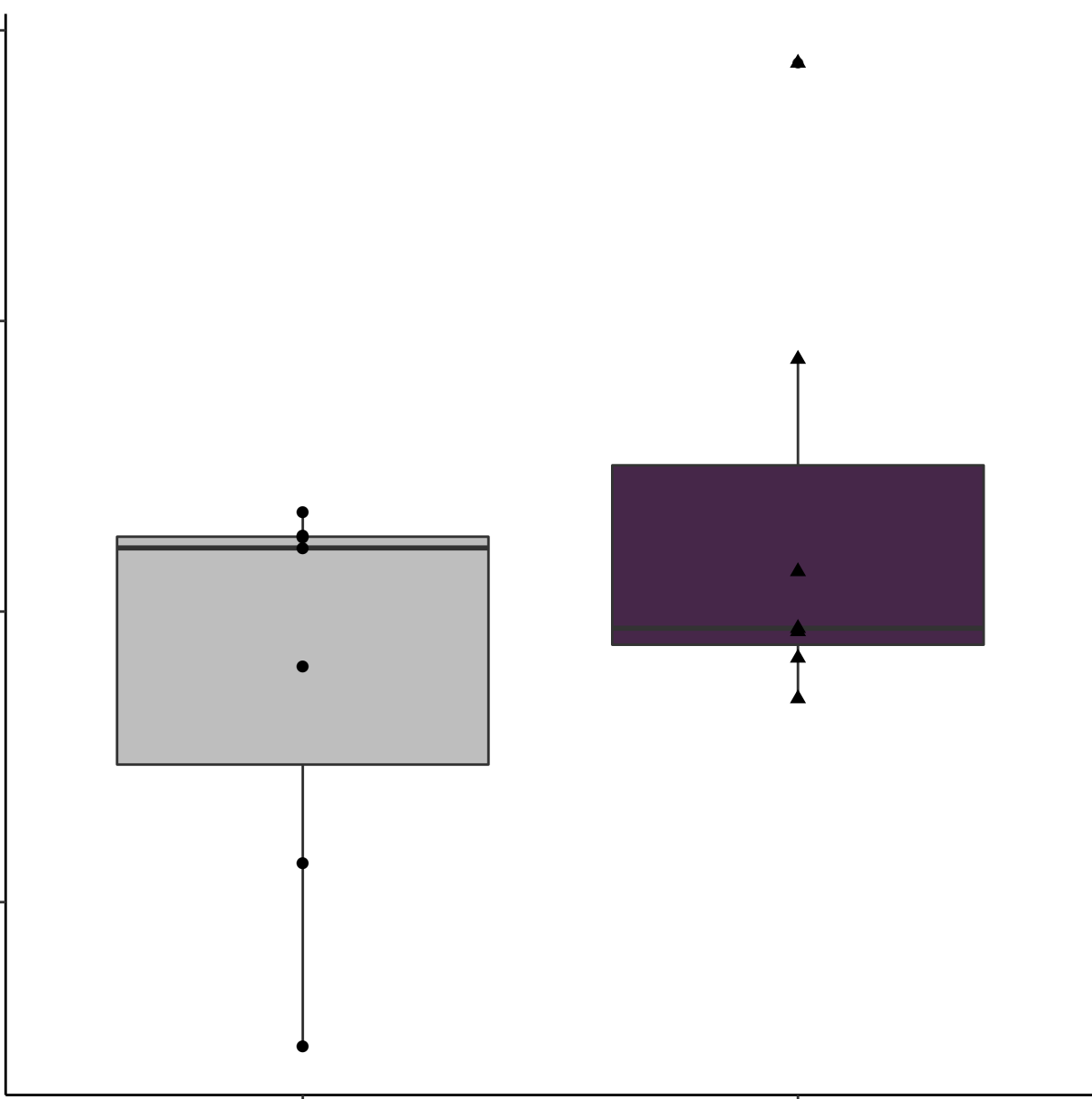
13.70

13.65

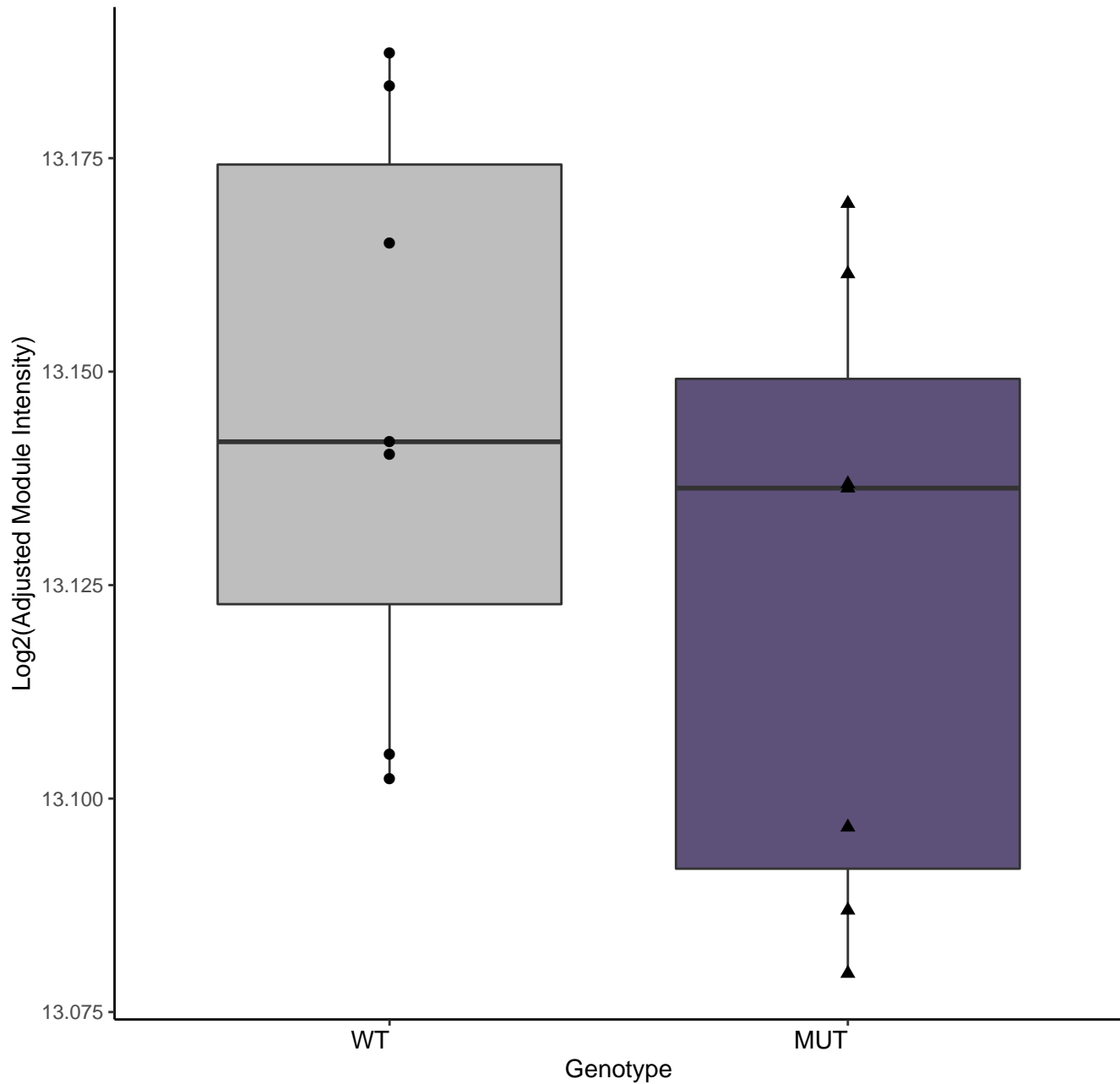
WT

Genotype

MUT



M205



M206

Log2(Adjusted Module Intensity)

10.02

9.99

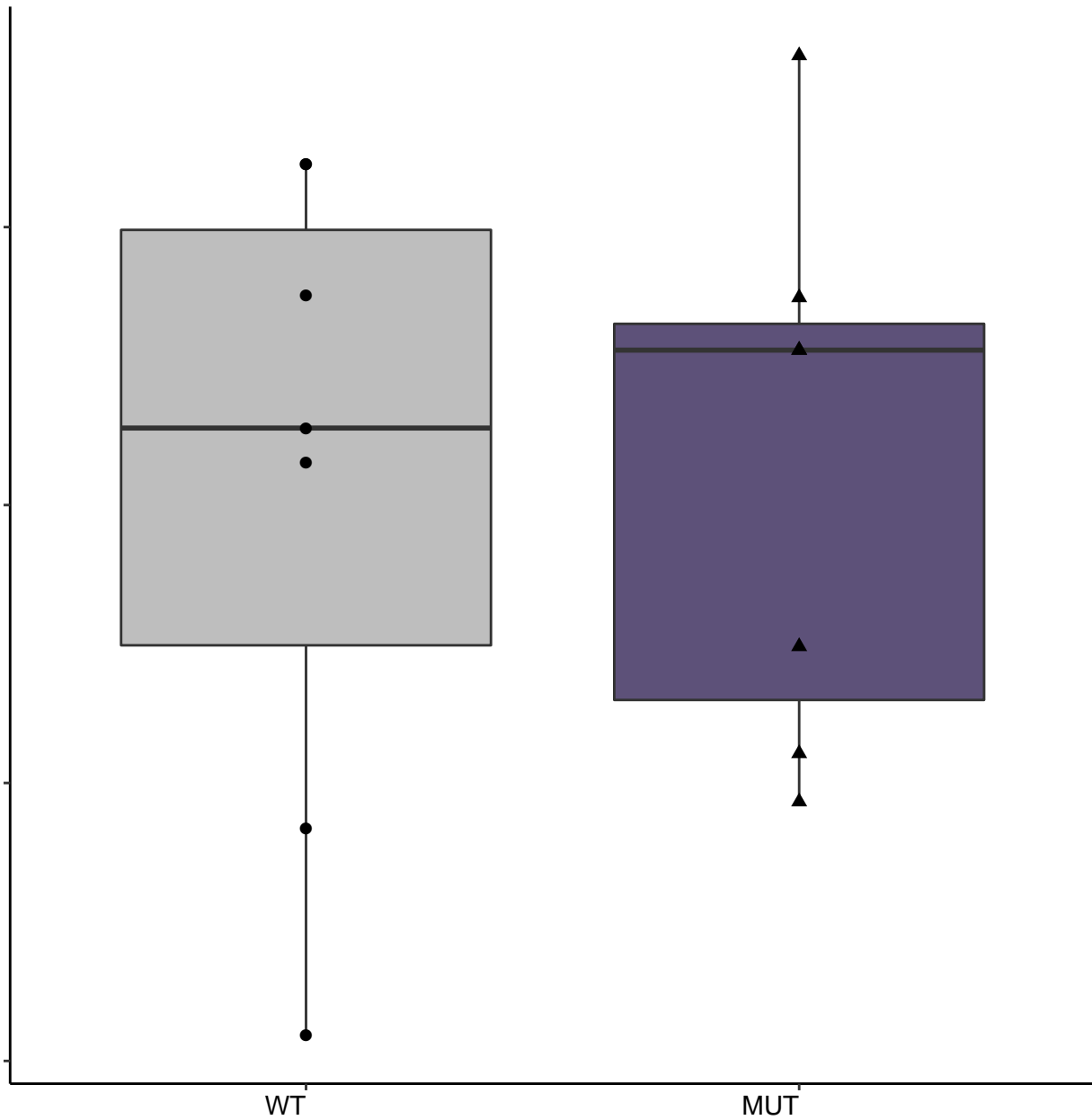
9.96

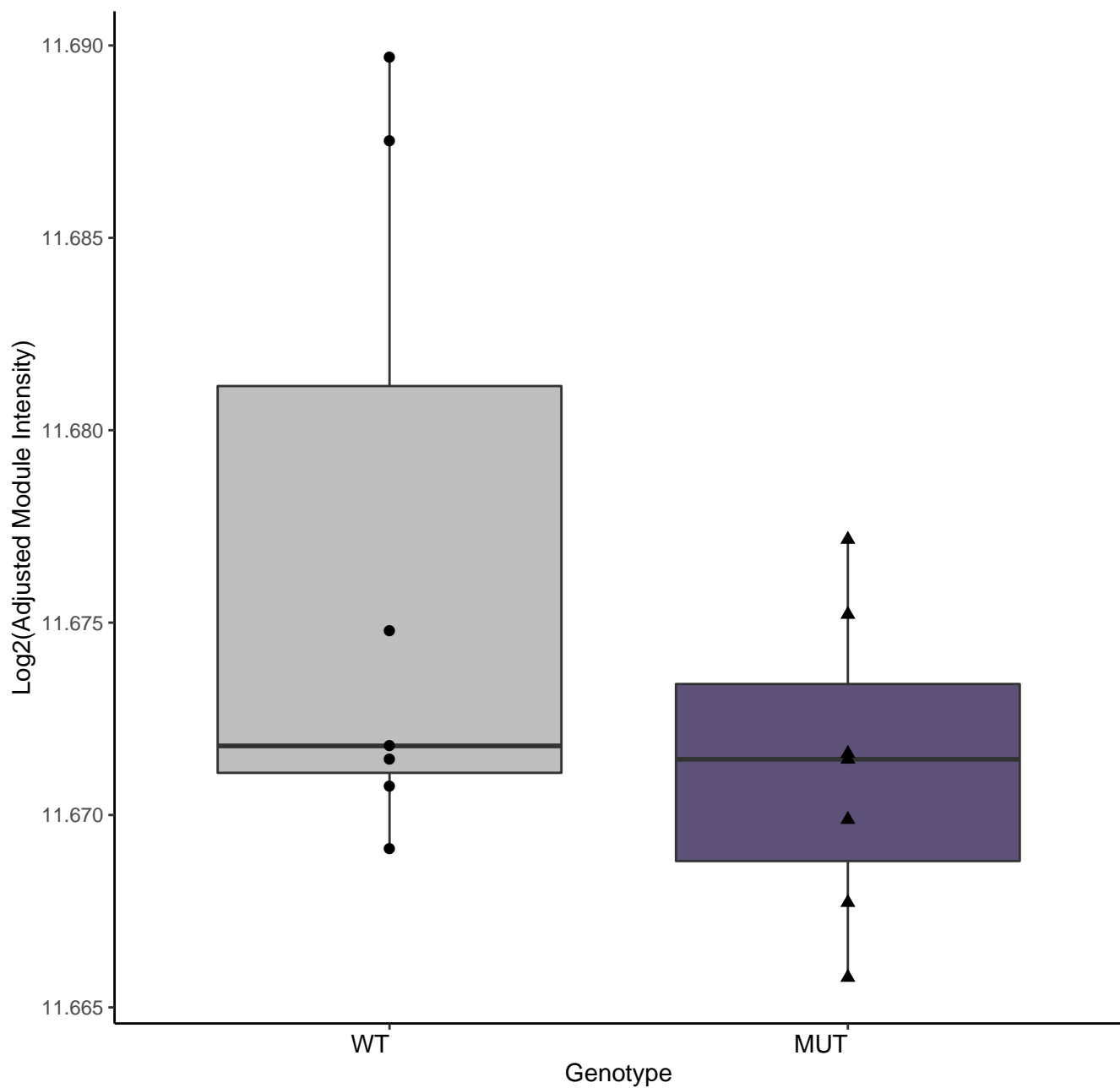
9.93

WT

Genotype

MUT





M208

Log2(Adjusted Module Intensity)

13.65

13.60

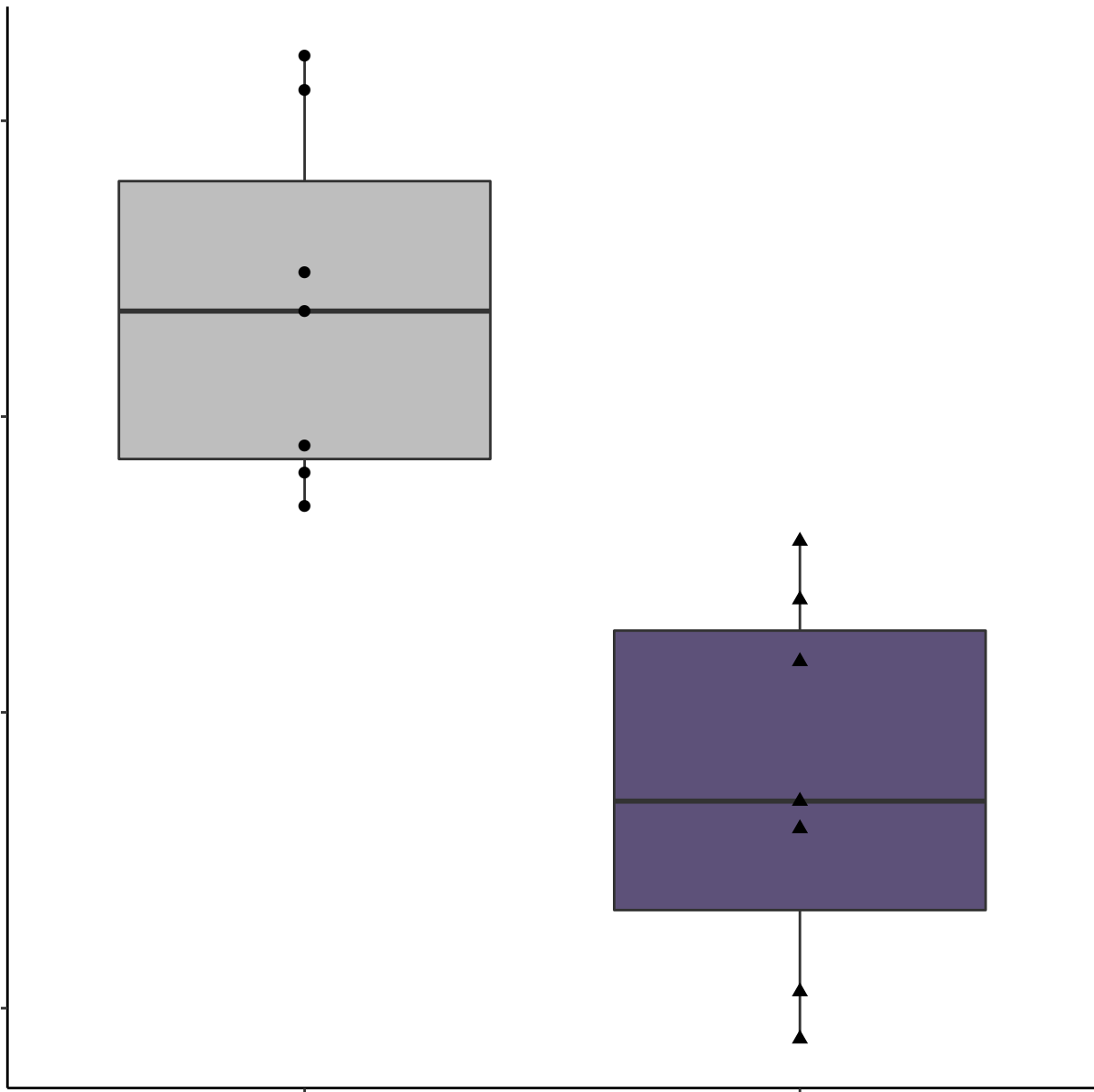
13.55

13.50

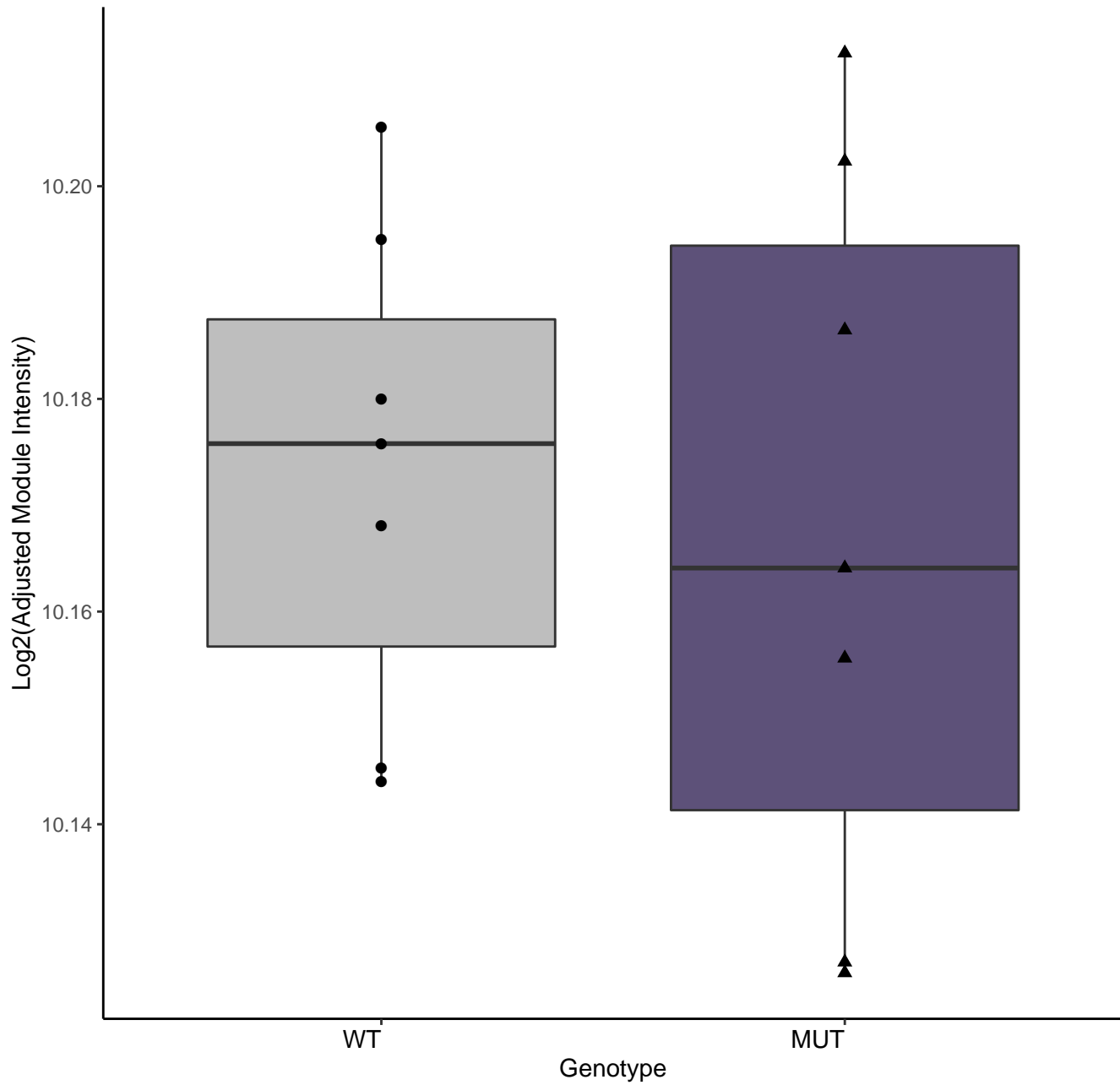
WT

Genotype

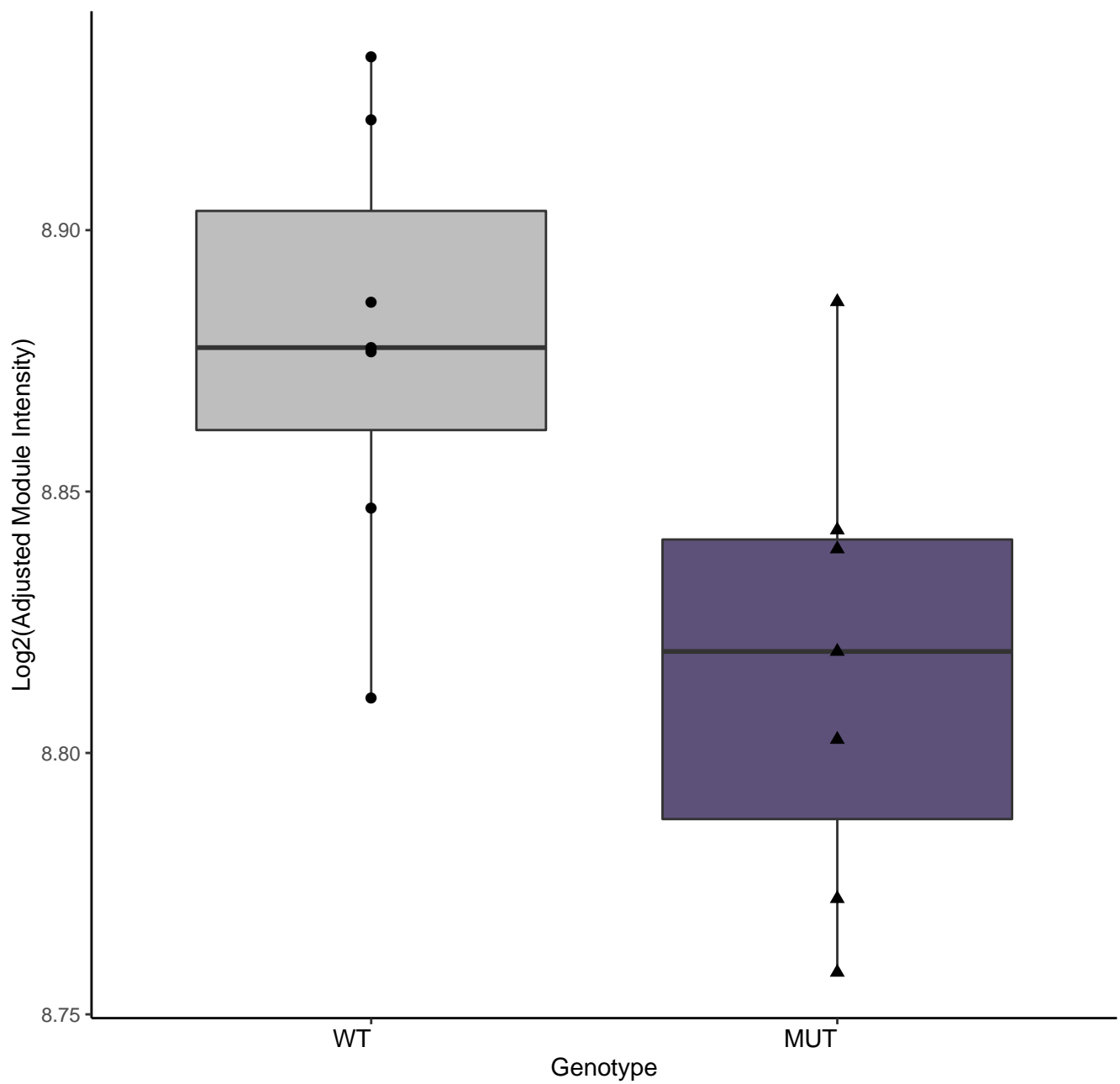
MUT



M209



M210



M211

Log2(Adjusted Module Intensity)

13.89

13.88

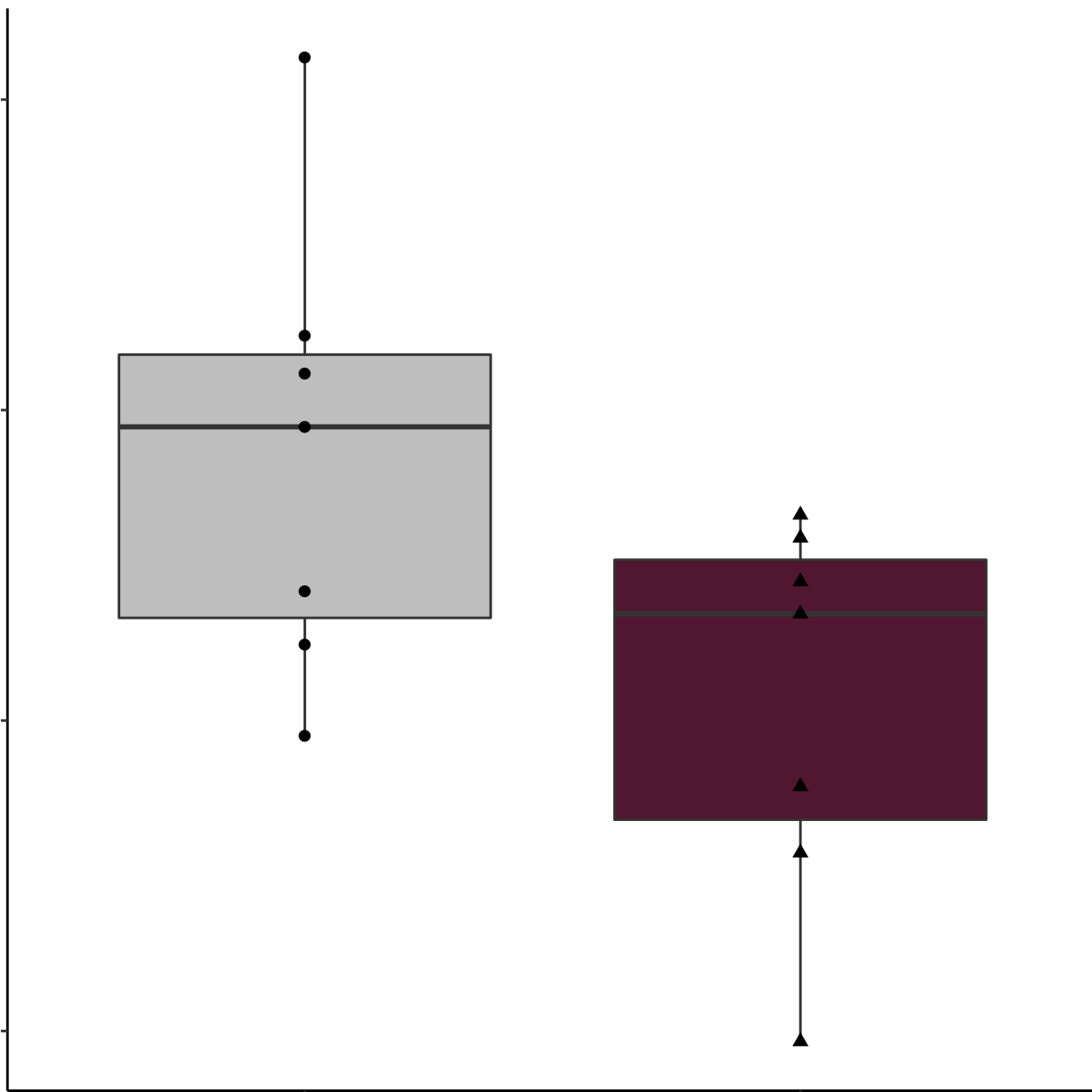
13.87

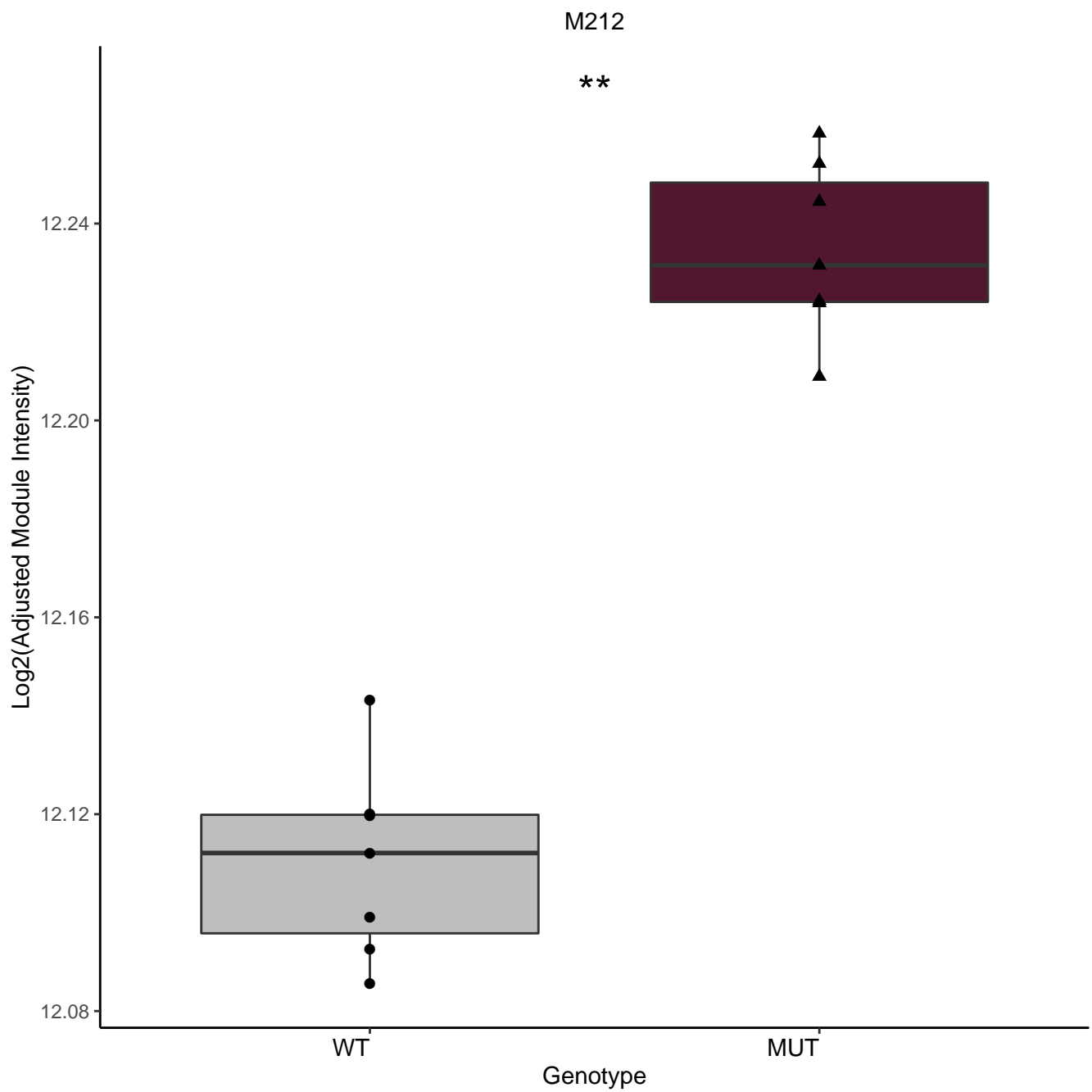
13.86

WT

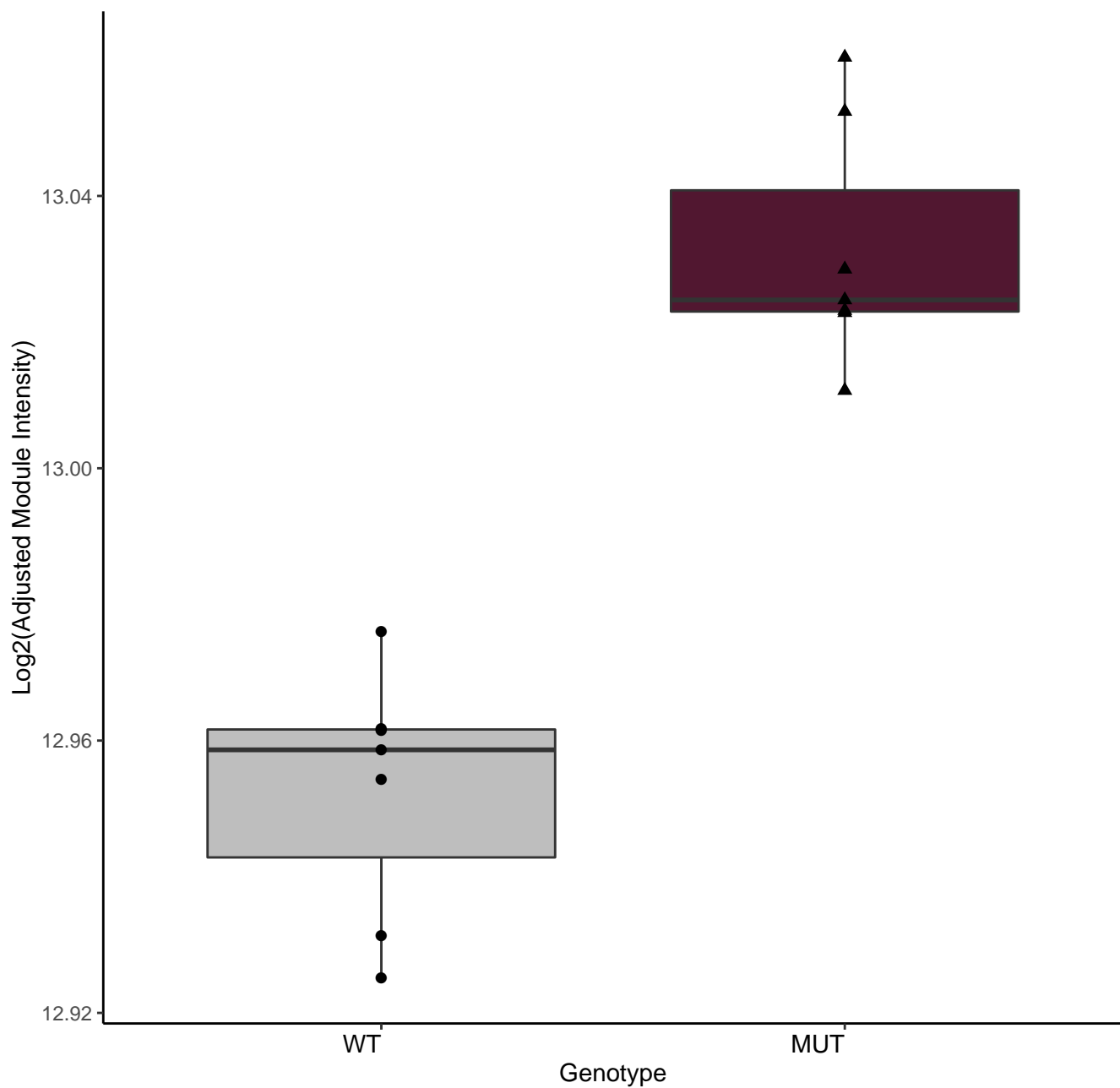
Genotype

MUT

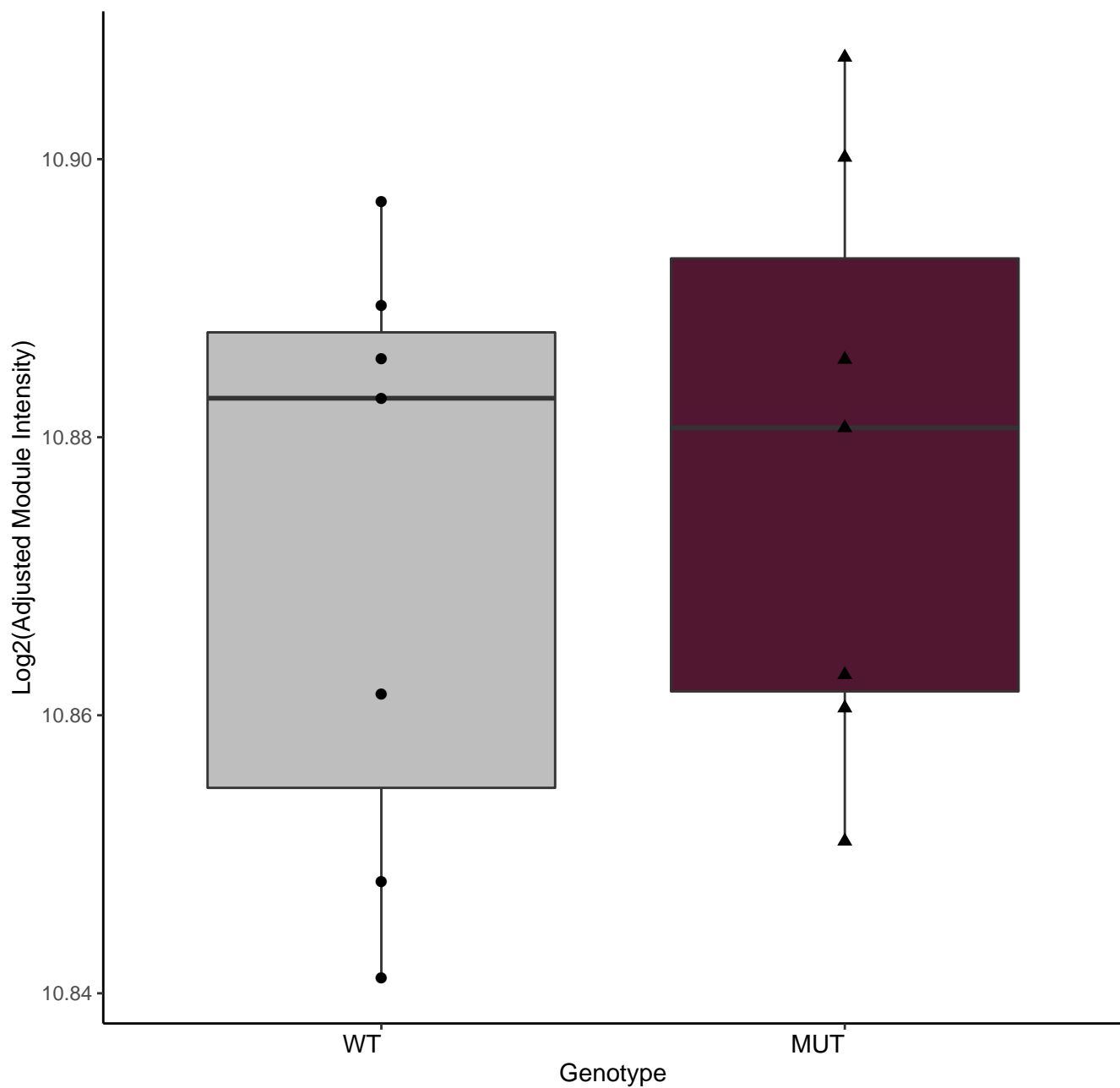




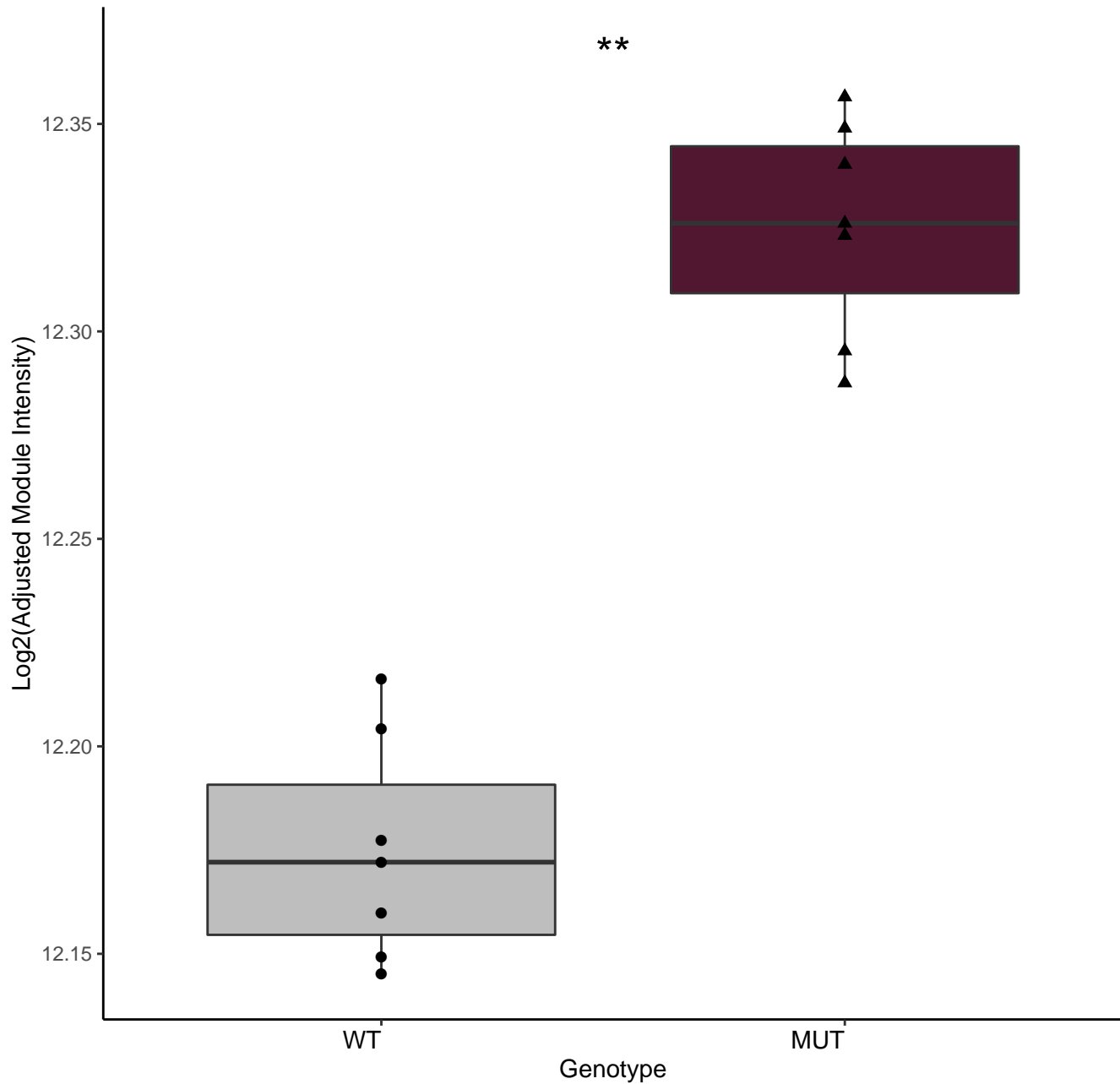
M213



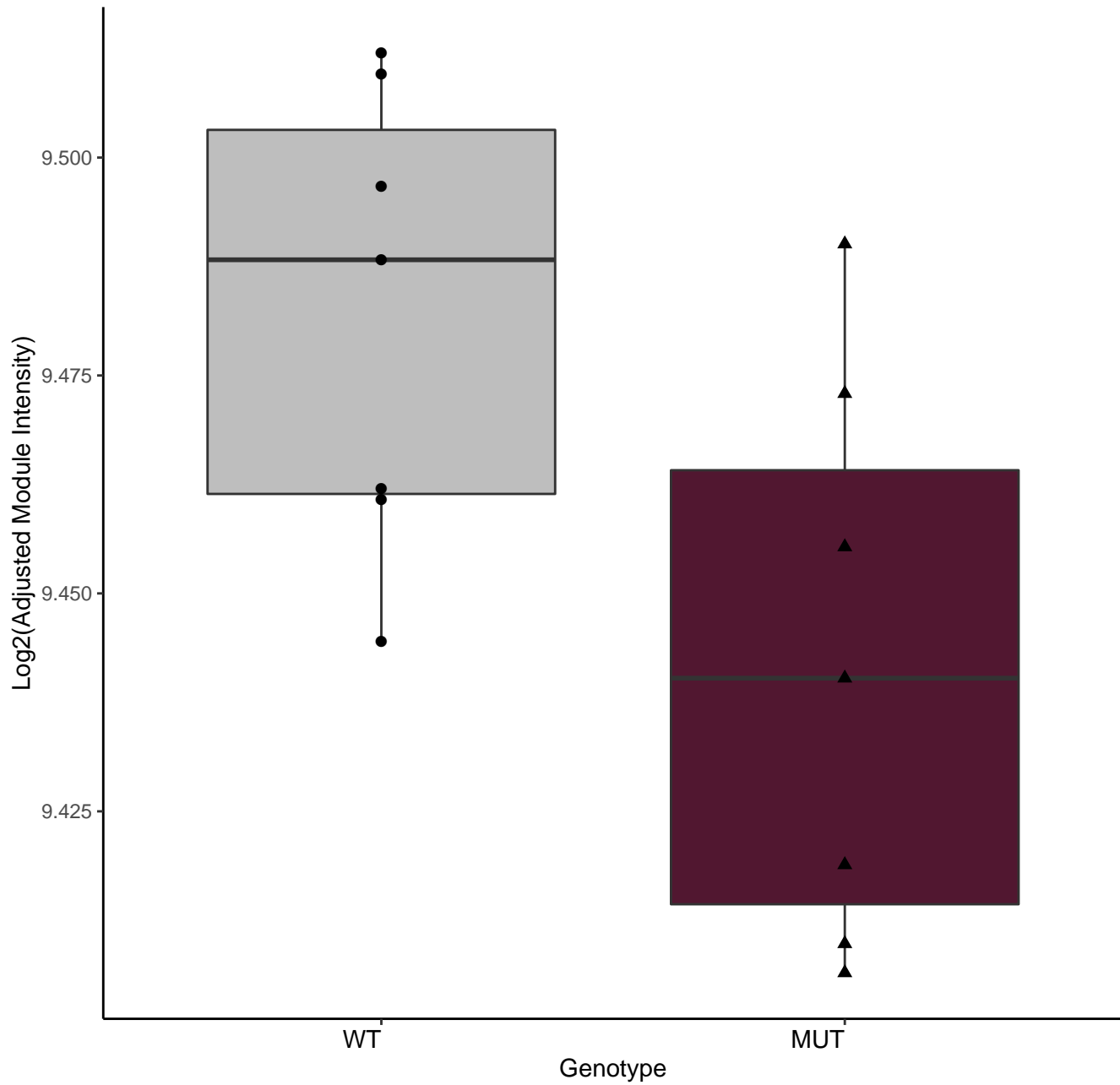
M214



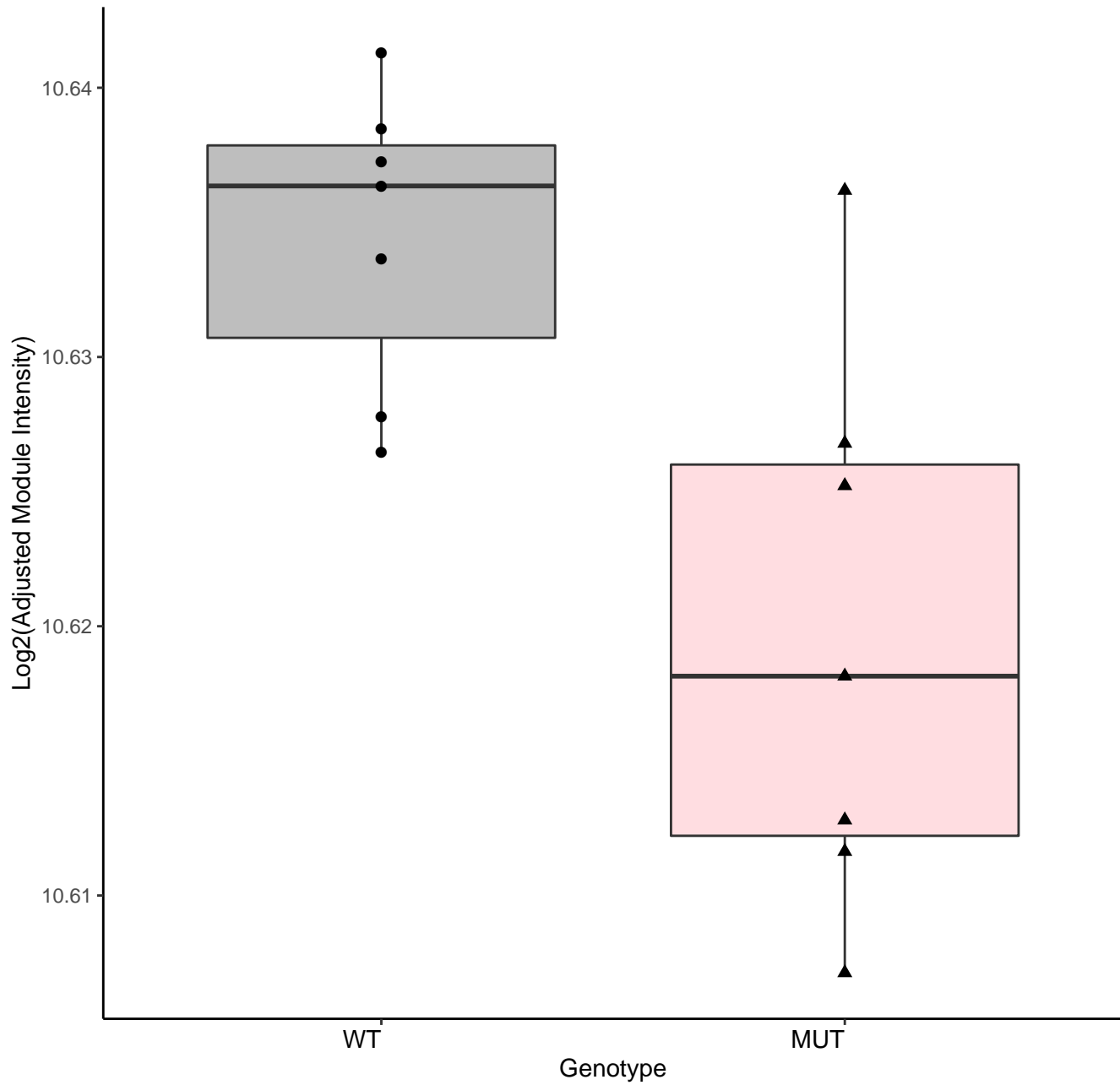
M215



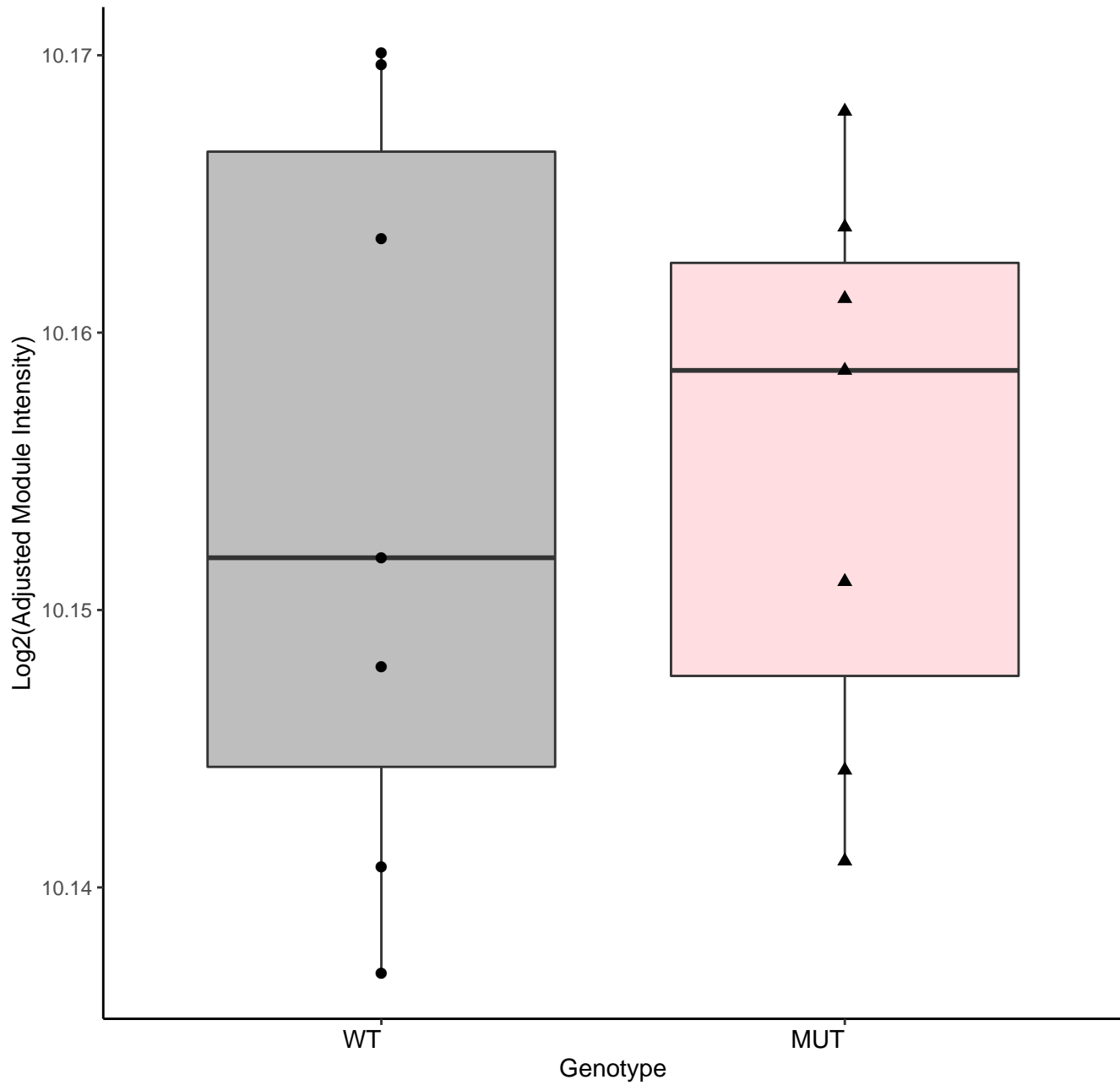
M216



M217



M218



M219

Log2(Adjusted Module Intensity)

10.31

10.30

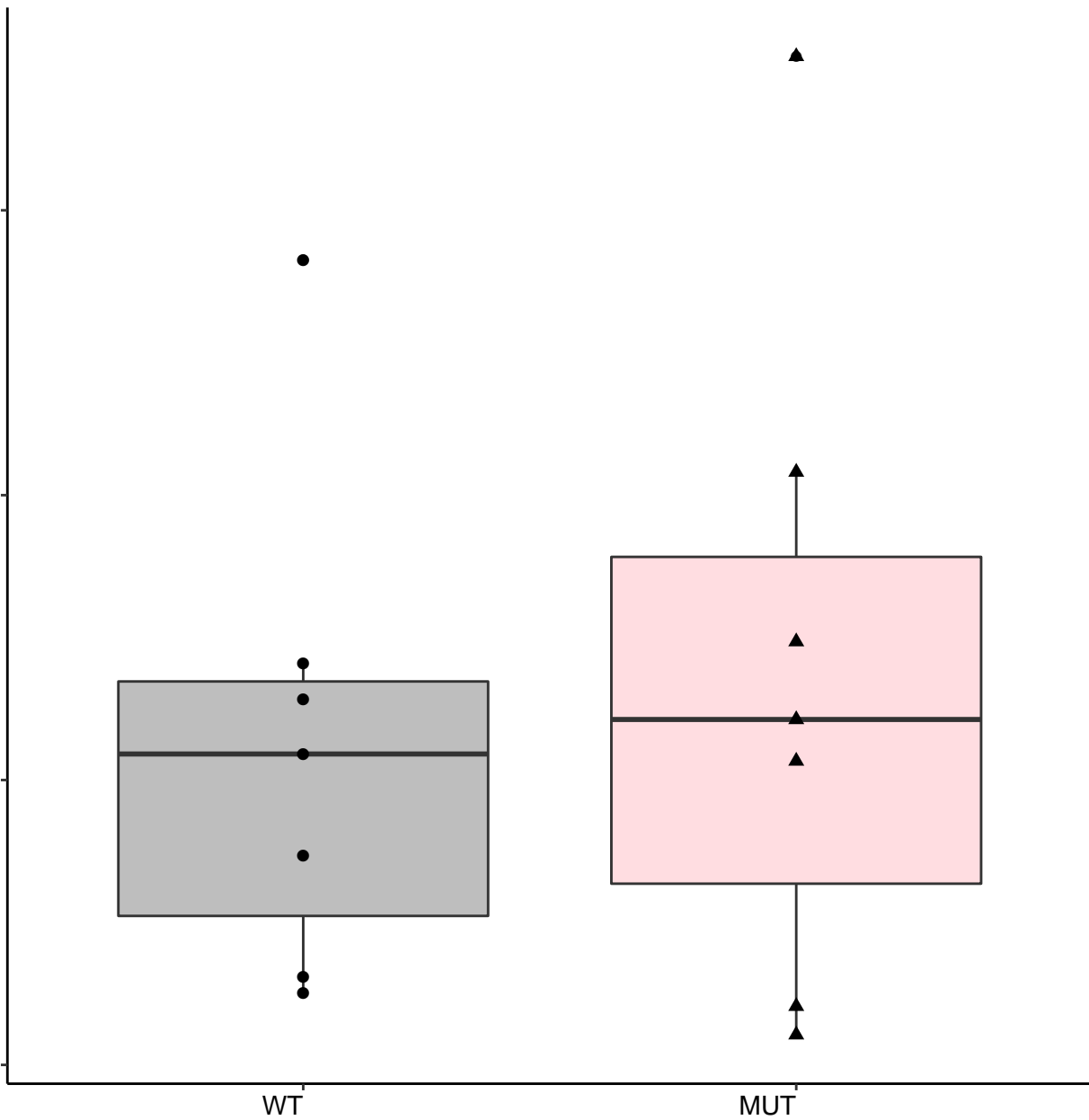
10.29

10.28

WT

MUT

Genotype



M220

Log2(Adjusted Module Intensity)

10.84

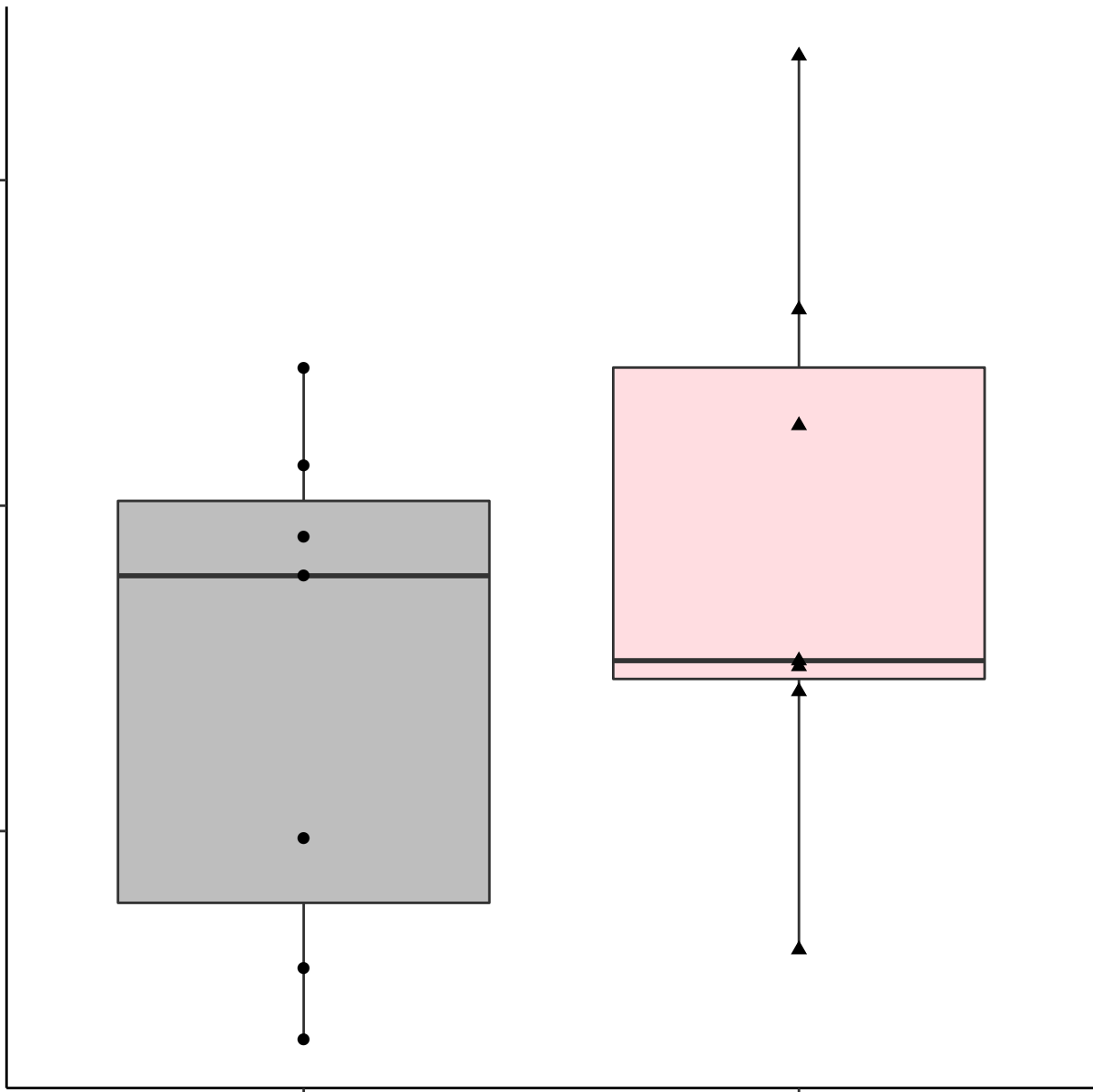
10.82

10.80

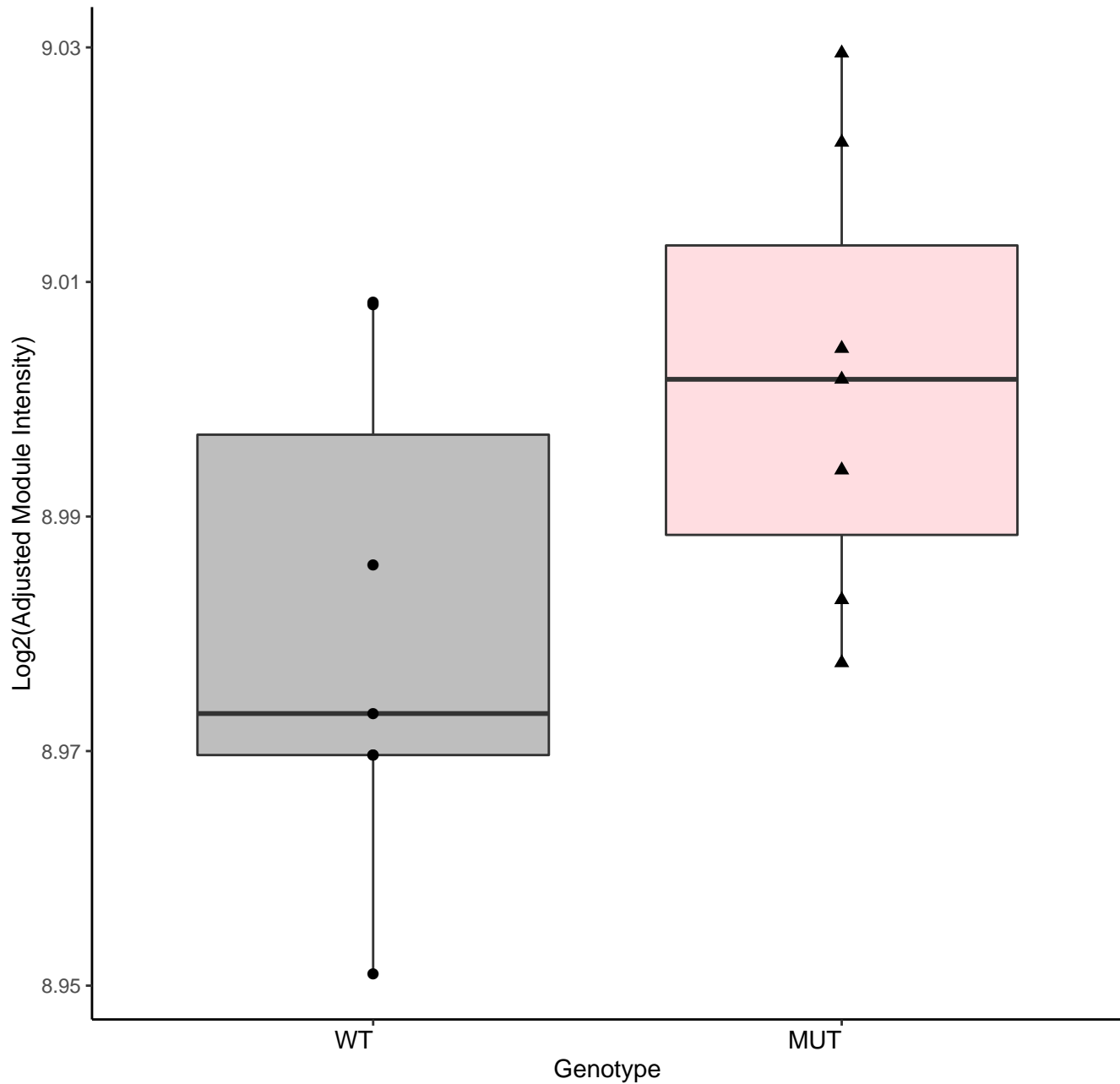
WT

Genotype

MUT



M221



M222

Log2(Adjusted Module Intensity)

11.05

11.00

10.95

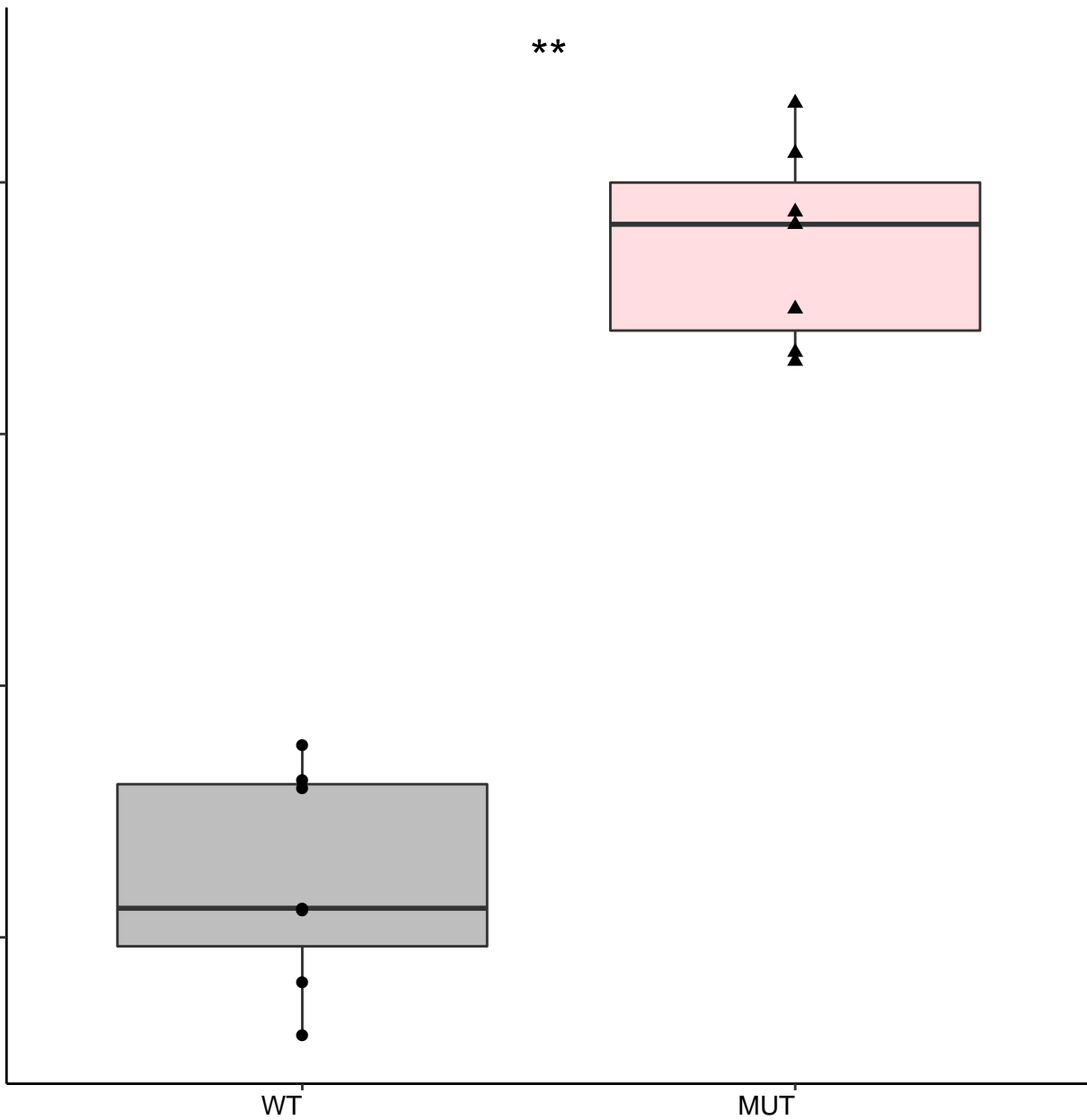
10.90

WT

Genotype

MUT

**



M223

Log2(Adjusted Module Intensity)

9.375

9.350

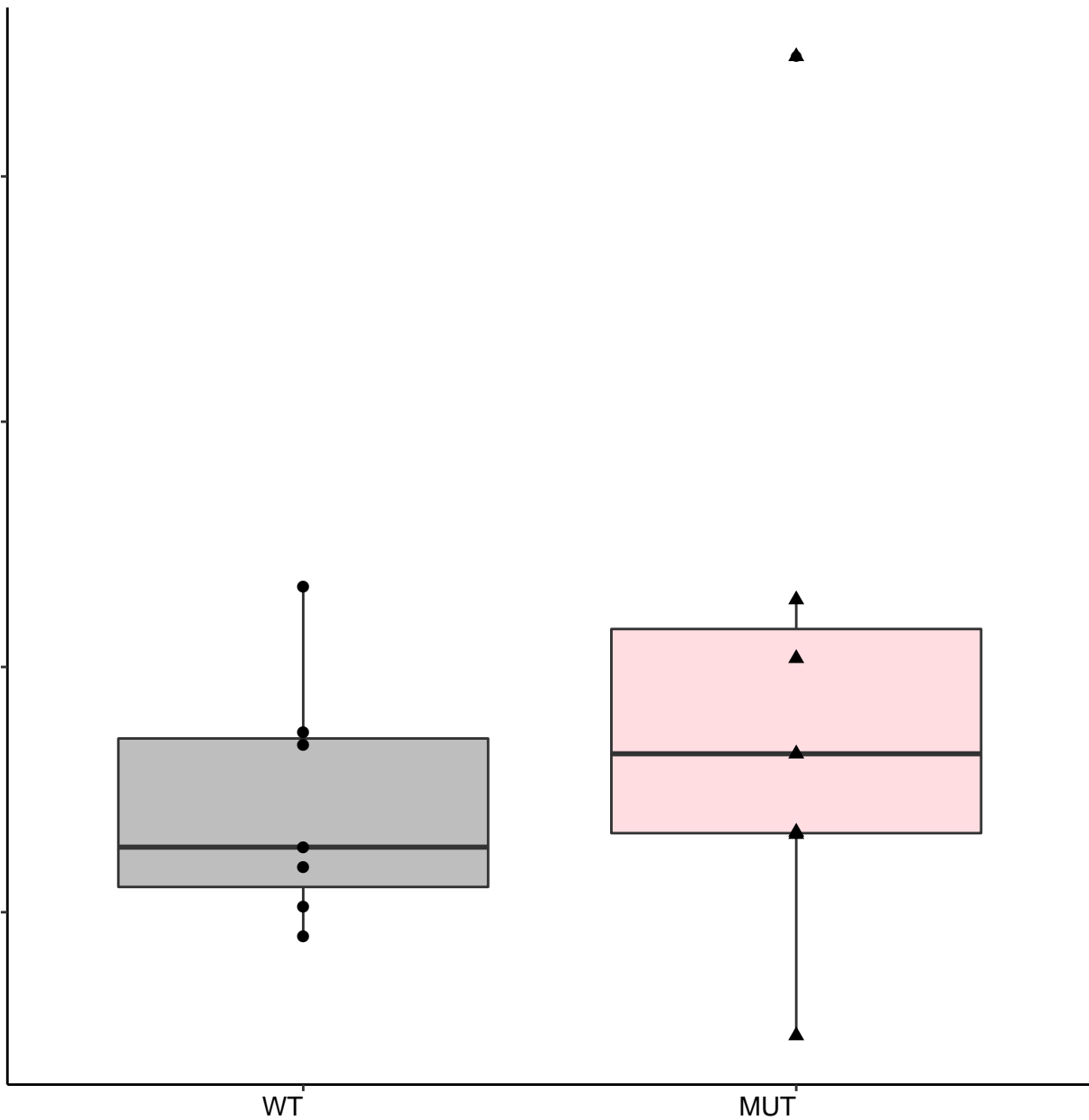
9.325

9.300

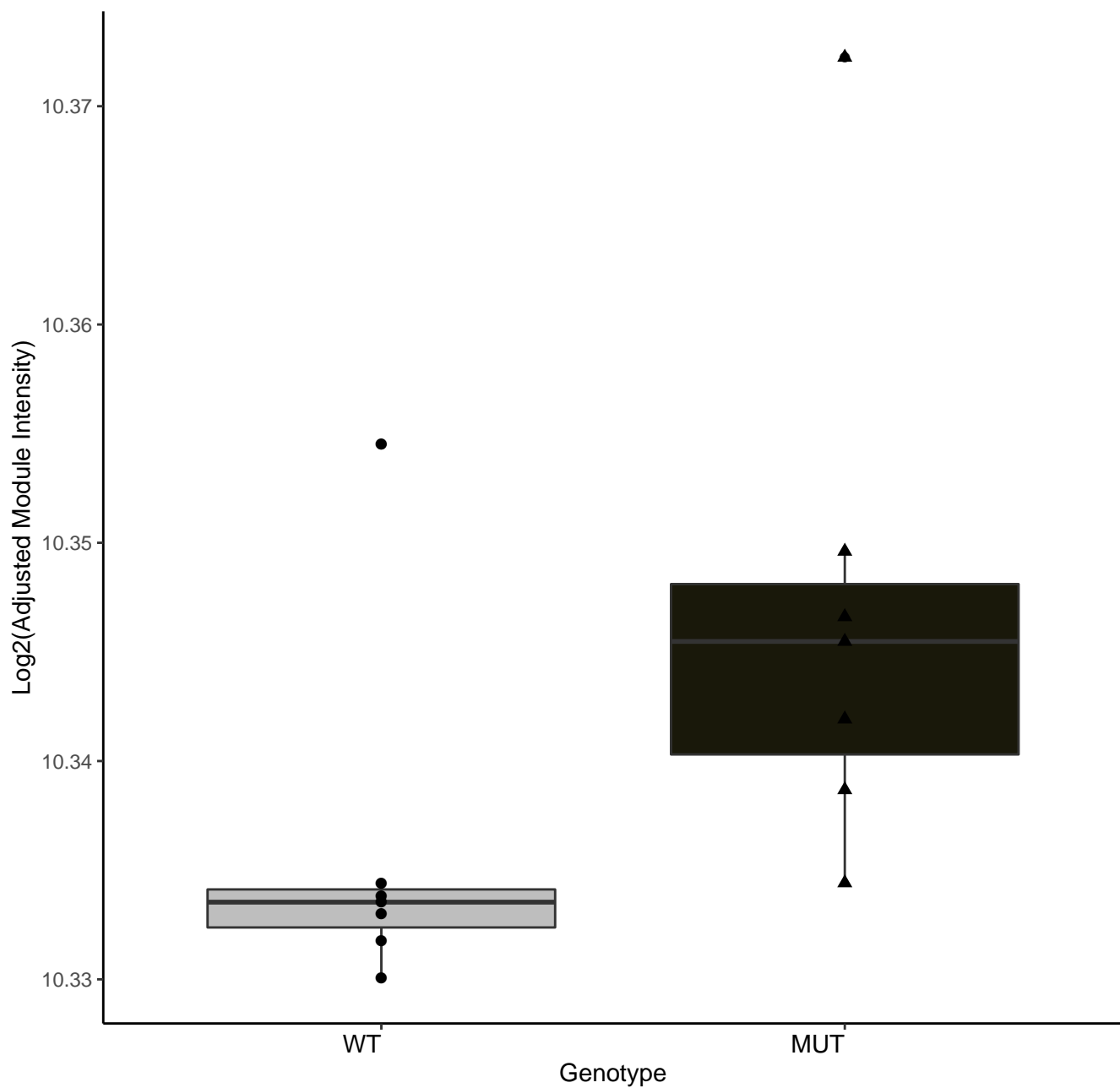
WT

Genotype

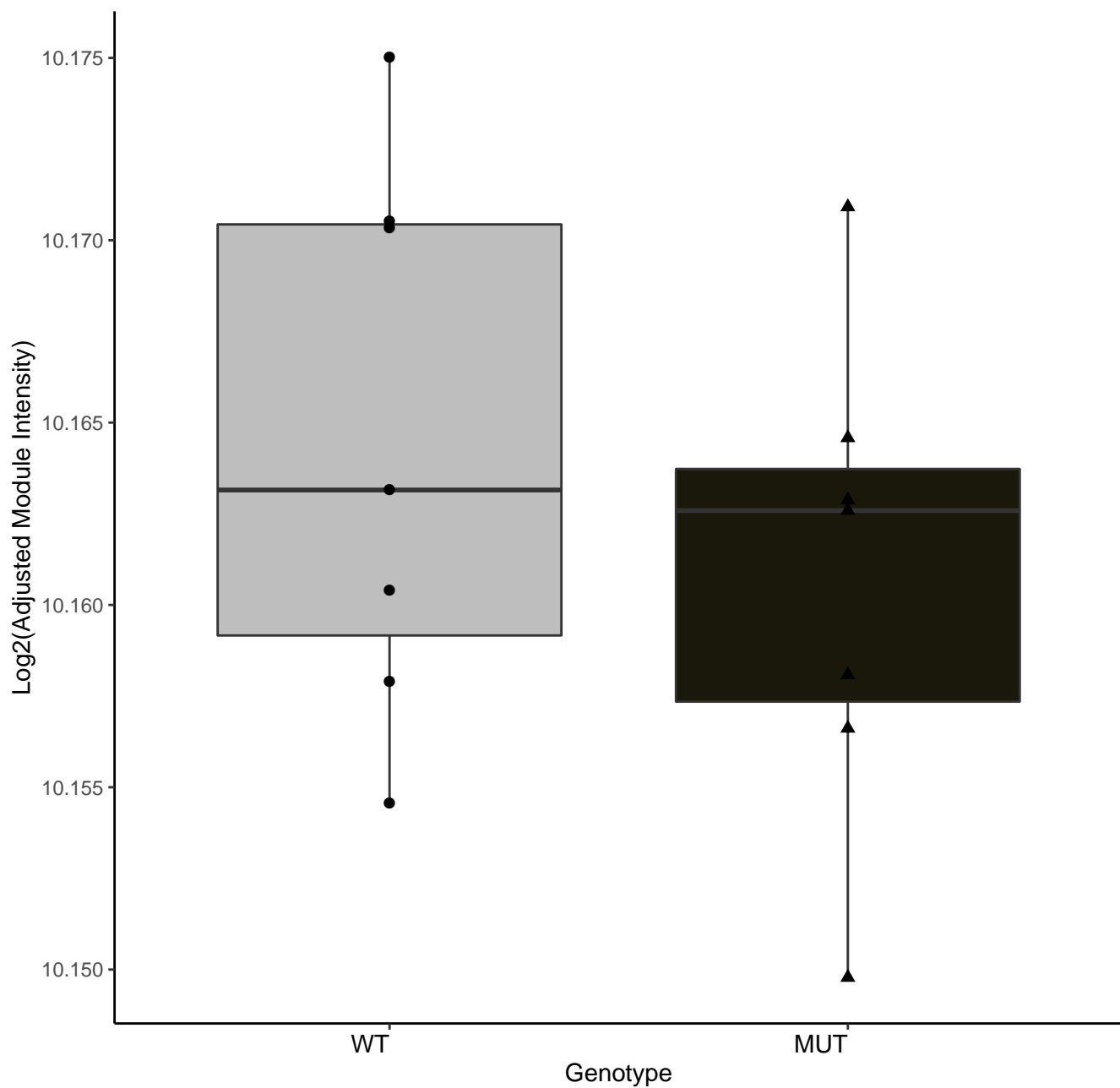
MUT

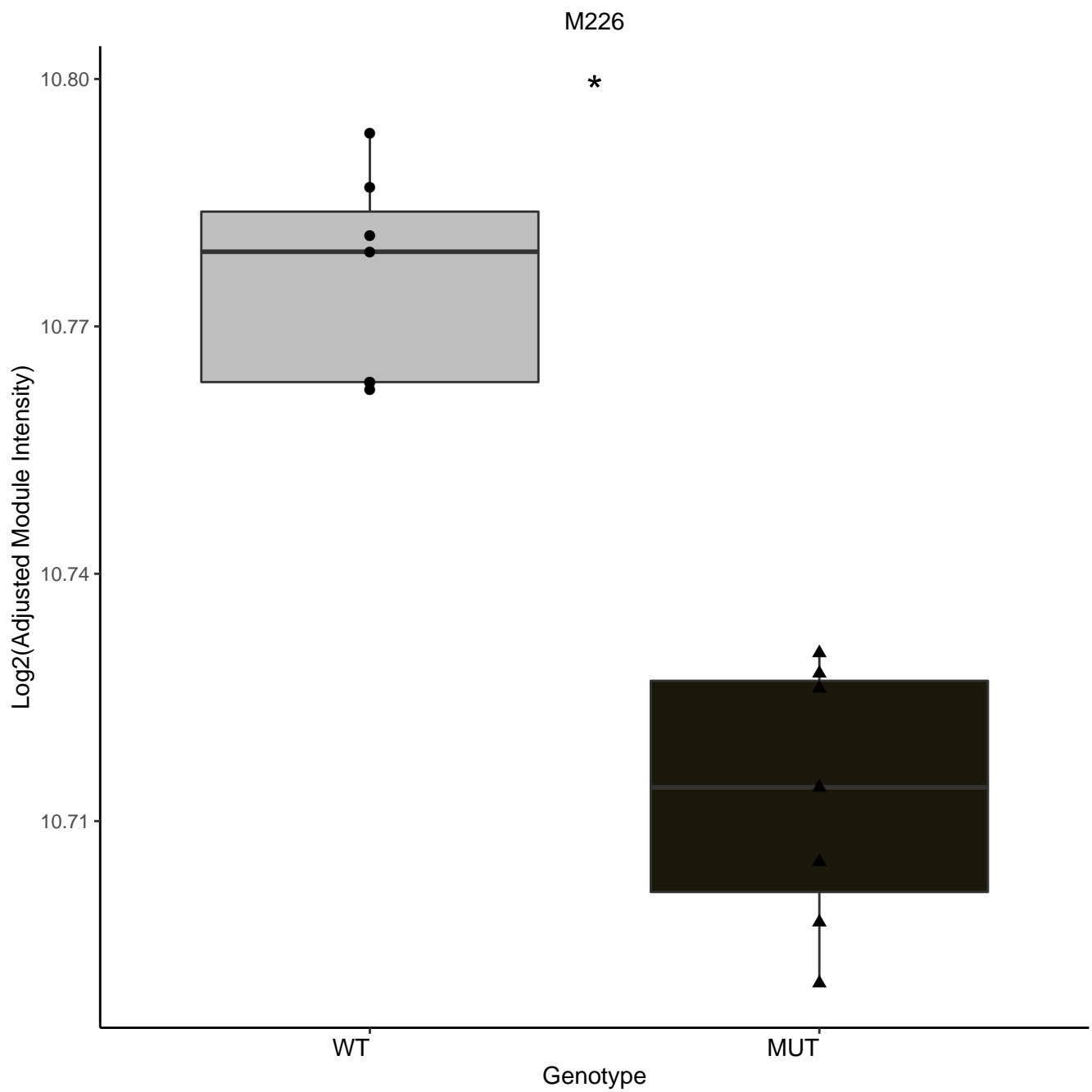


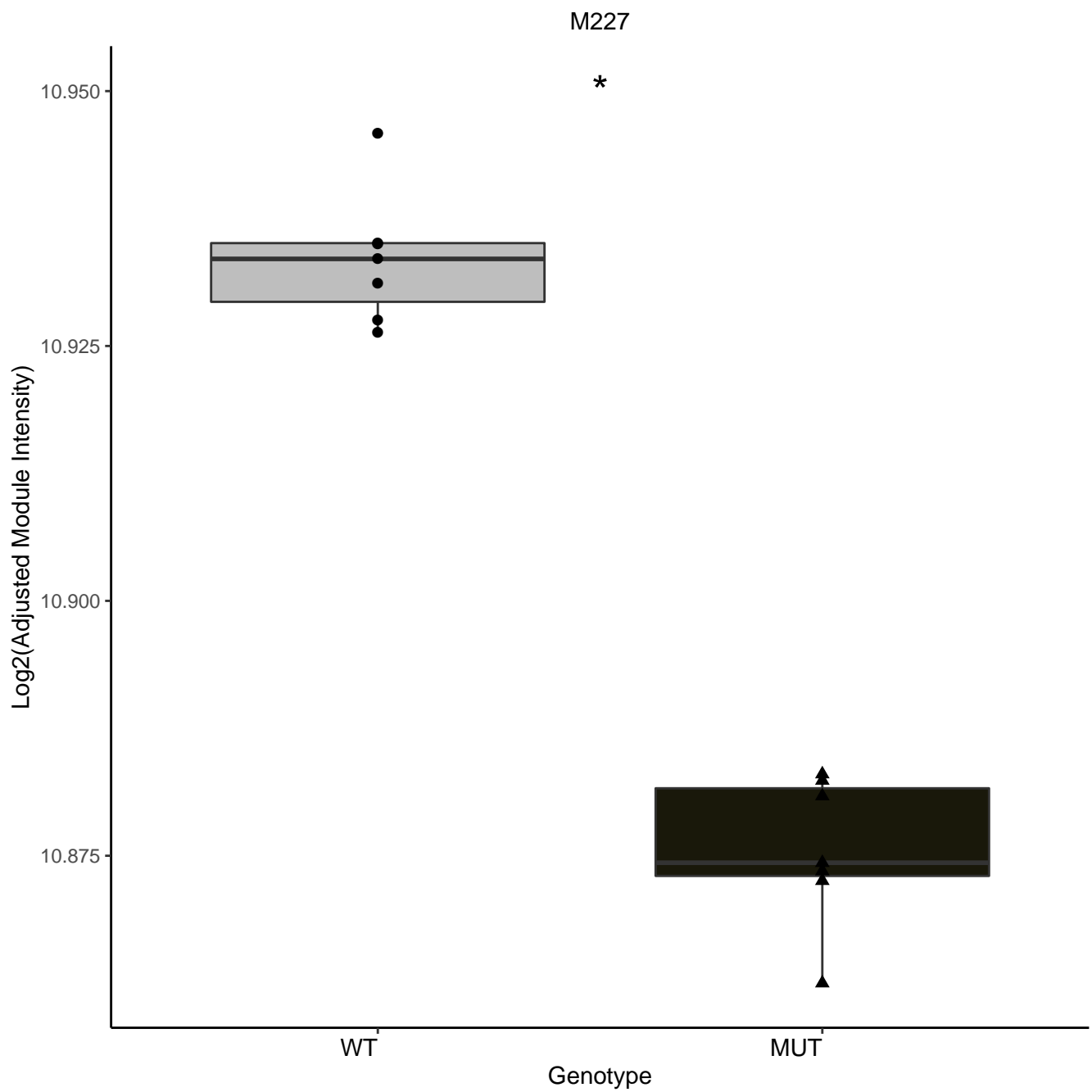
M224



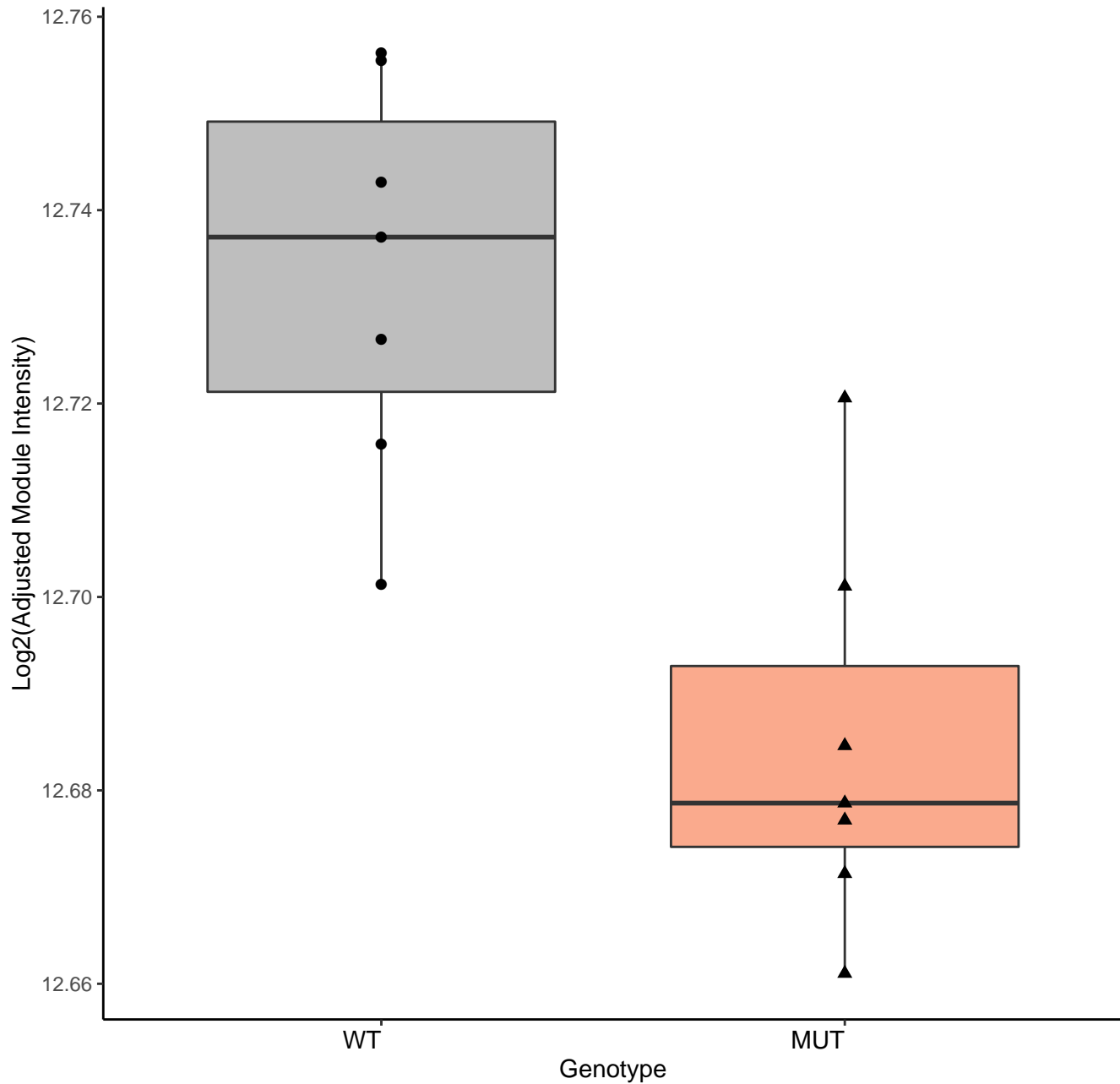
M225



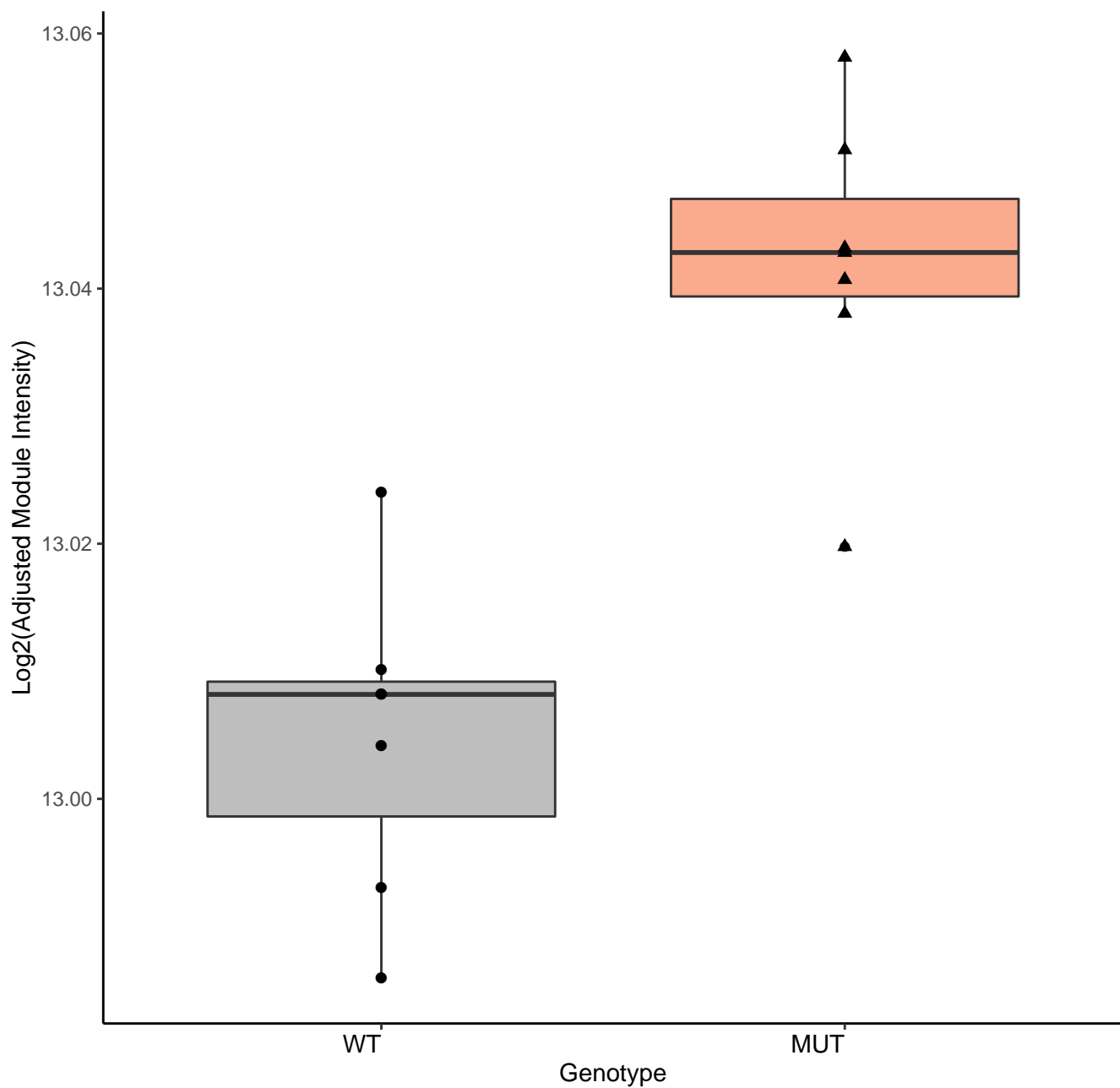


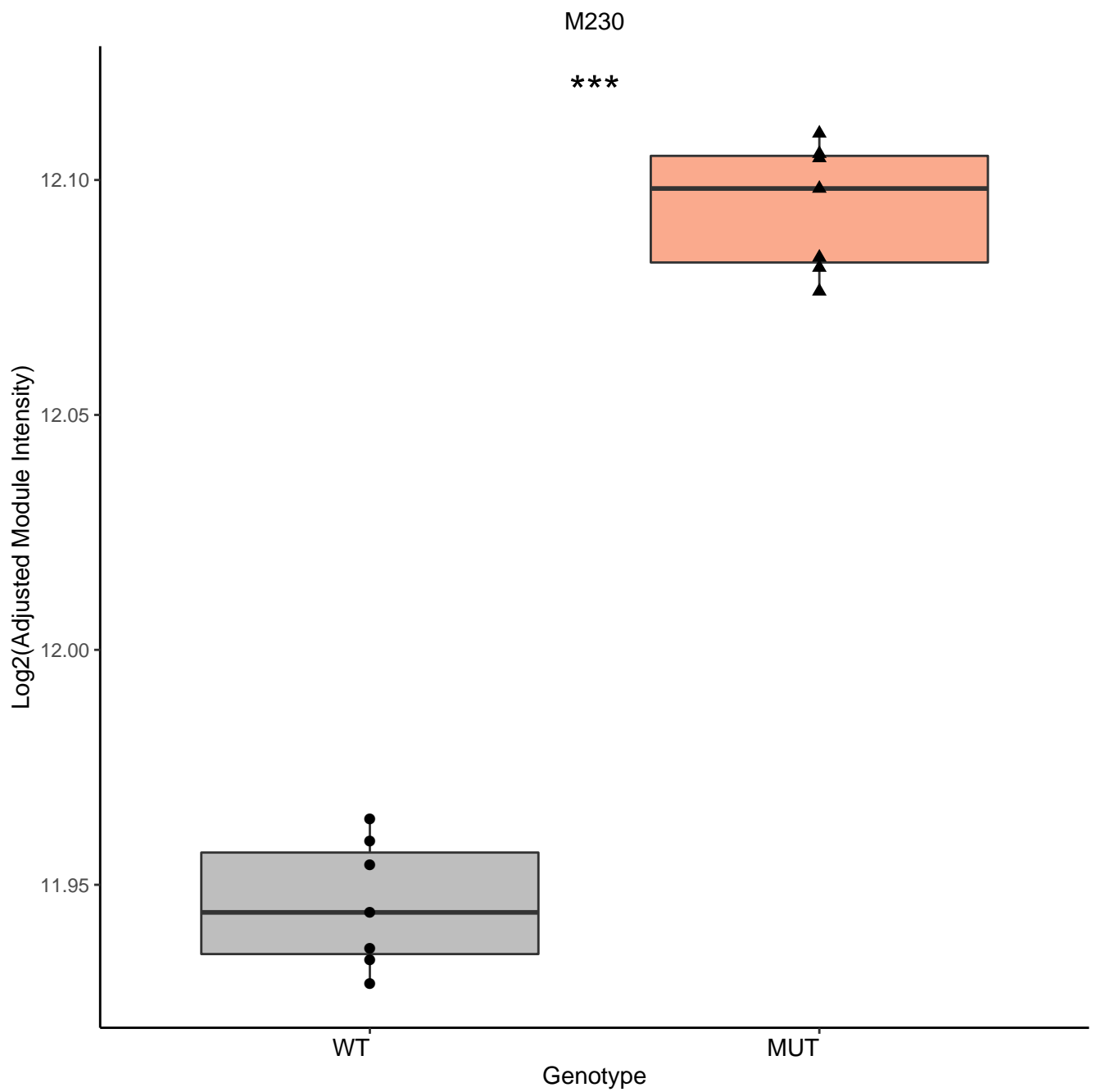


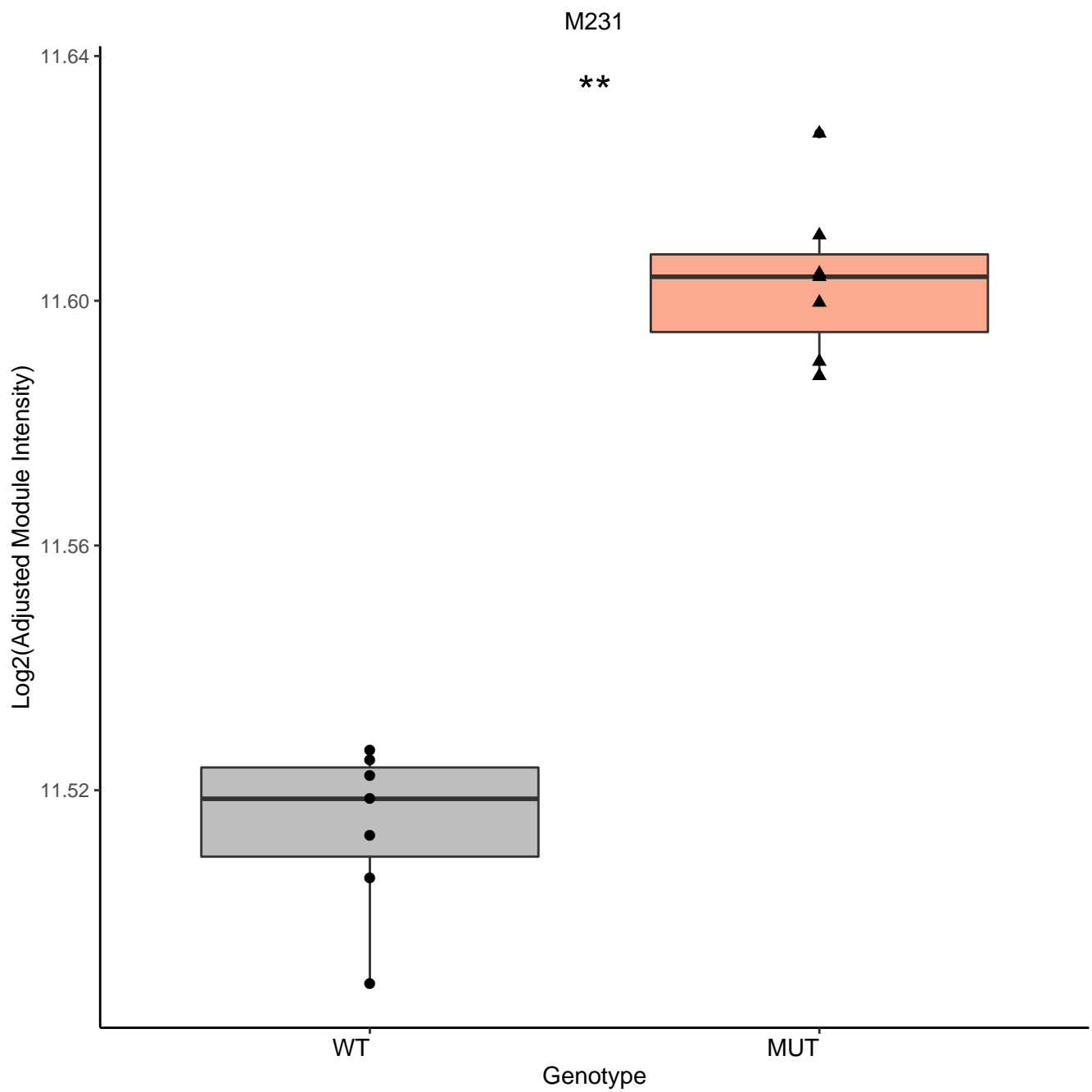
M228

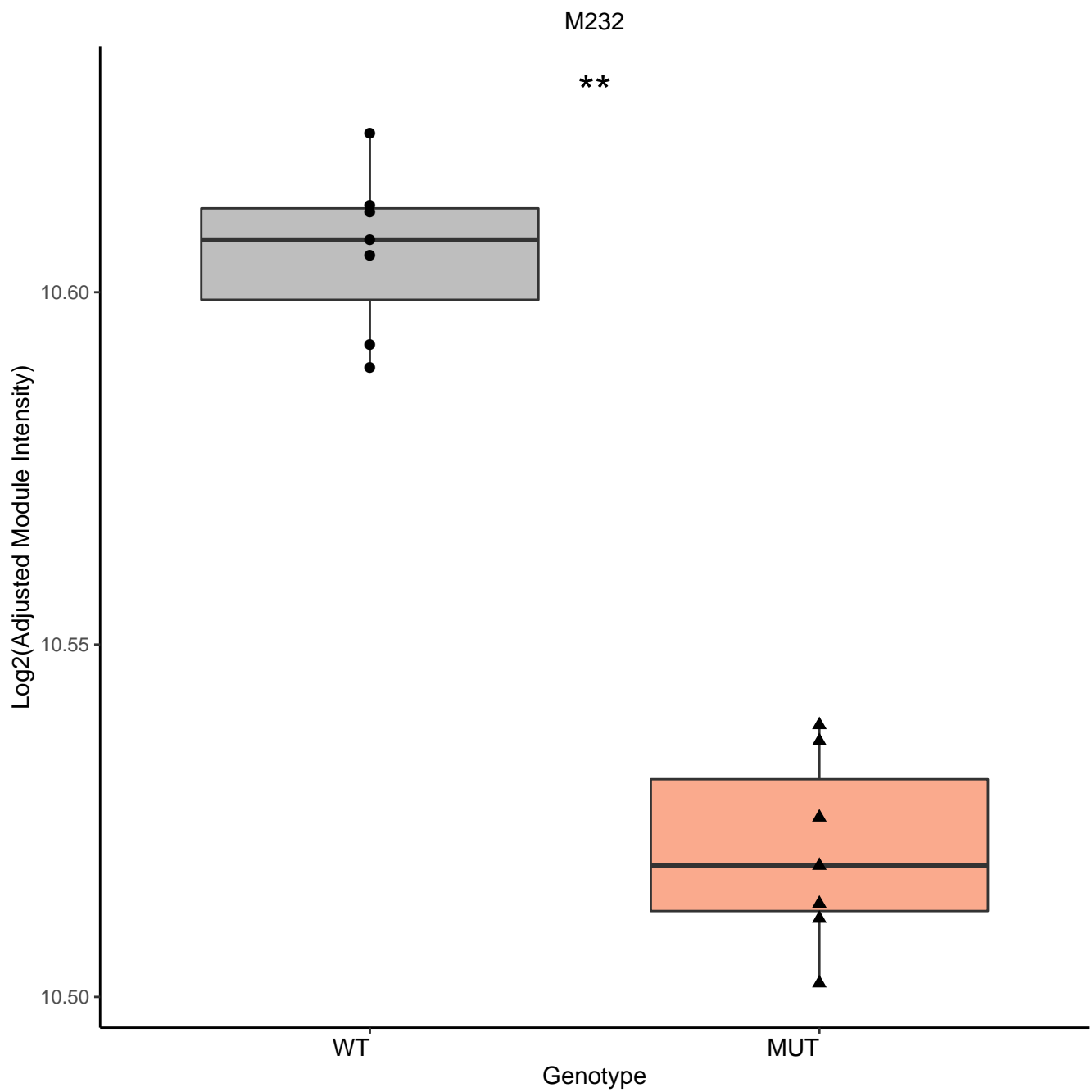


M229

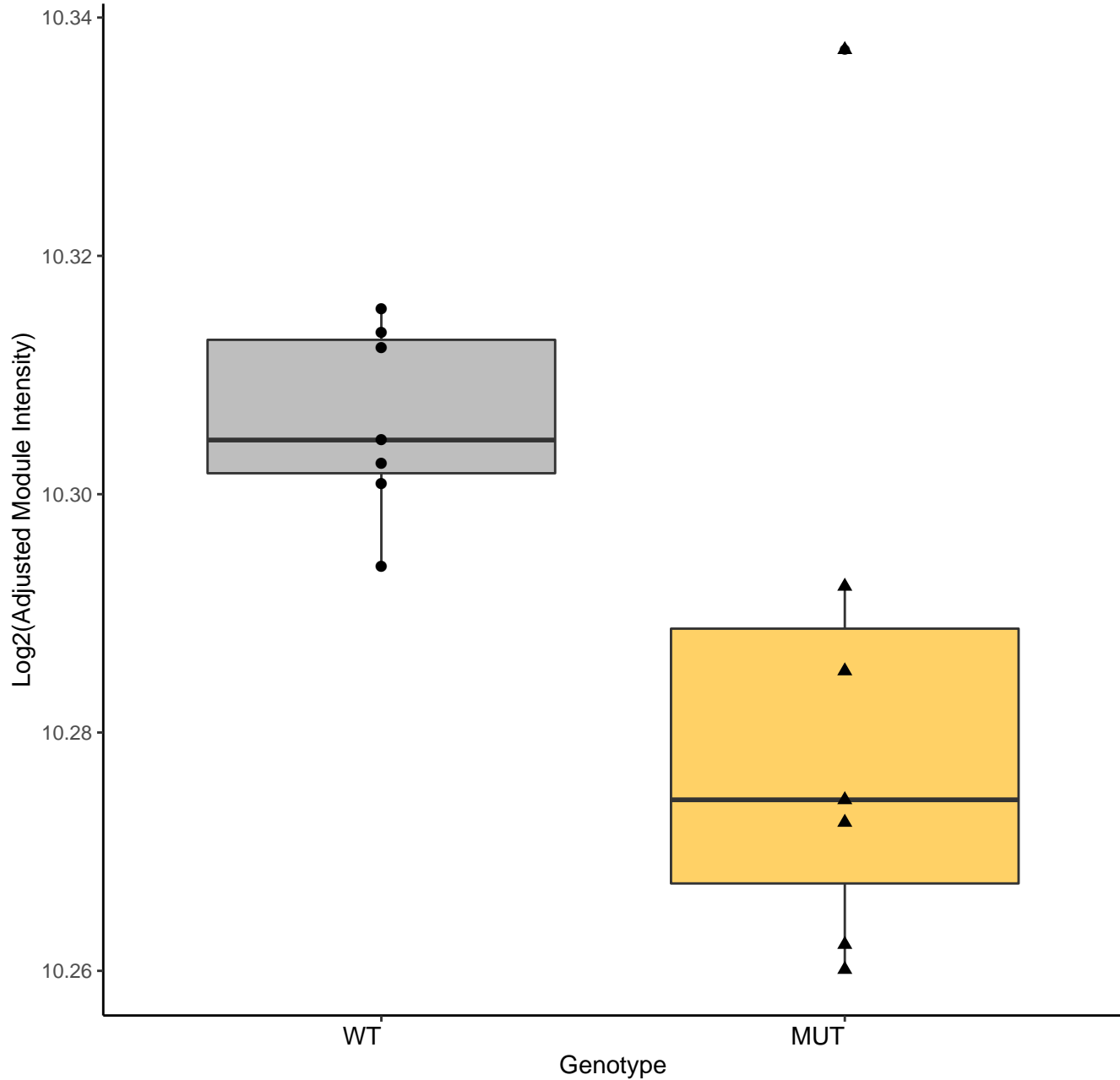




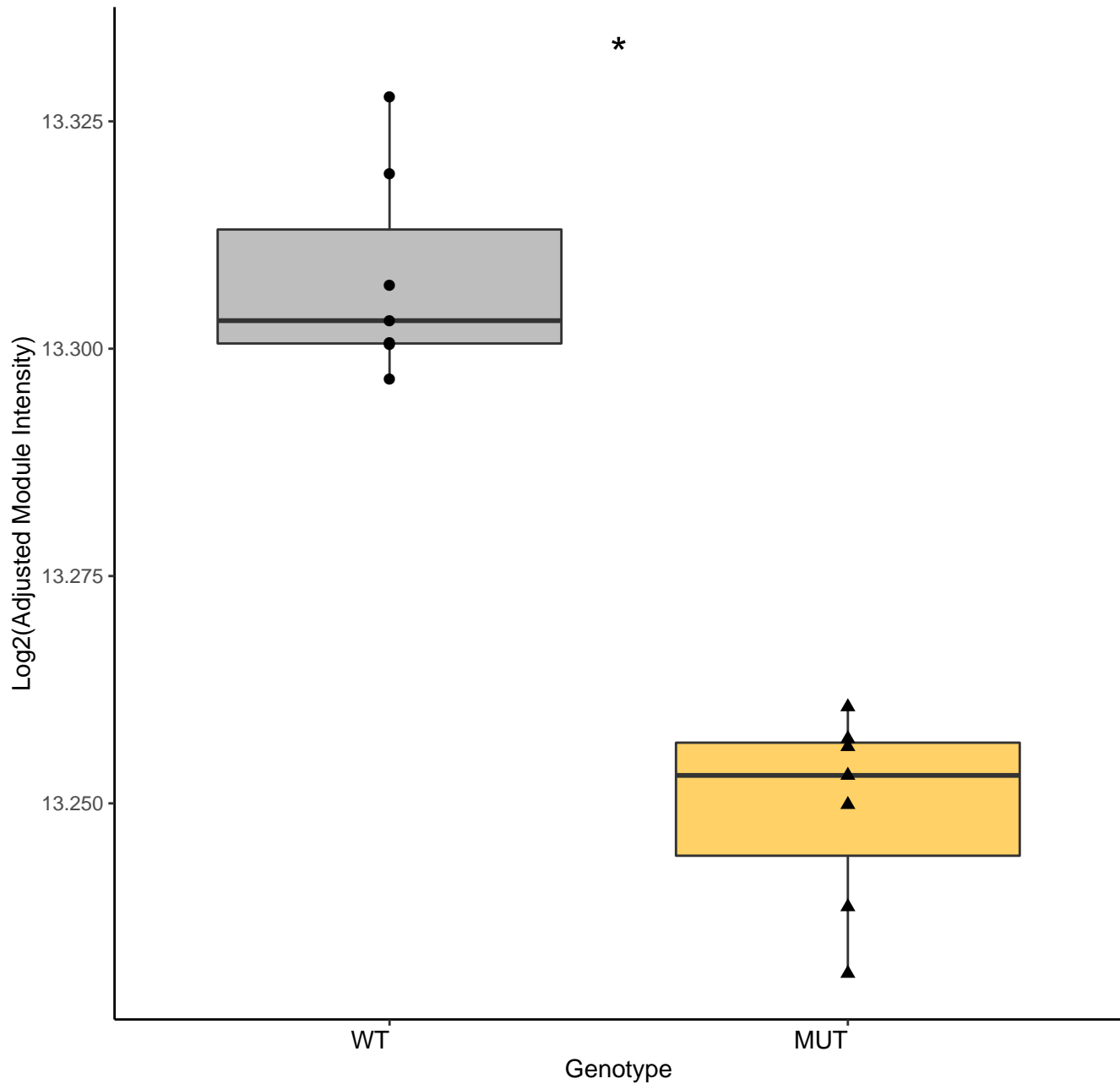




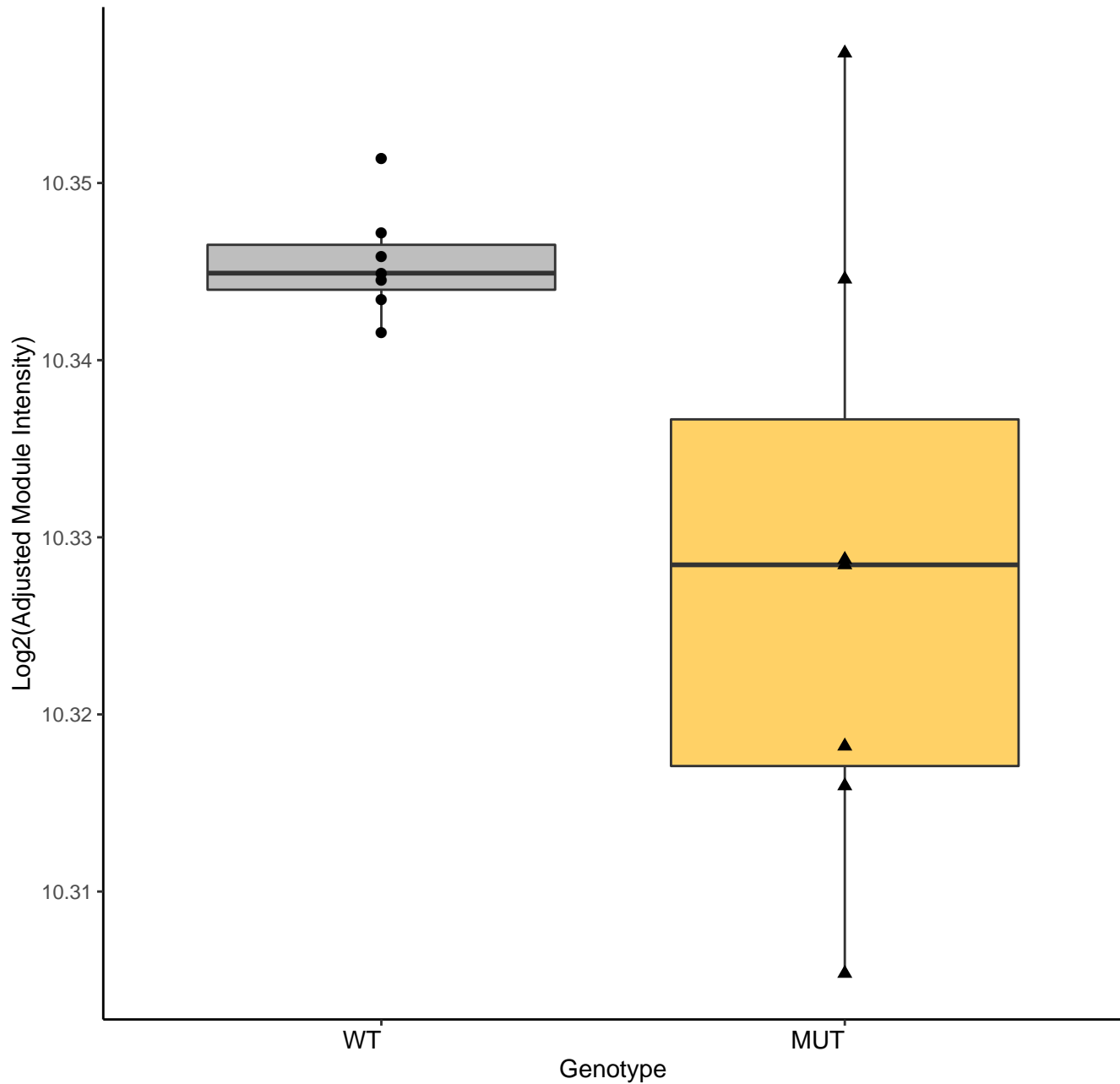
M233



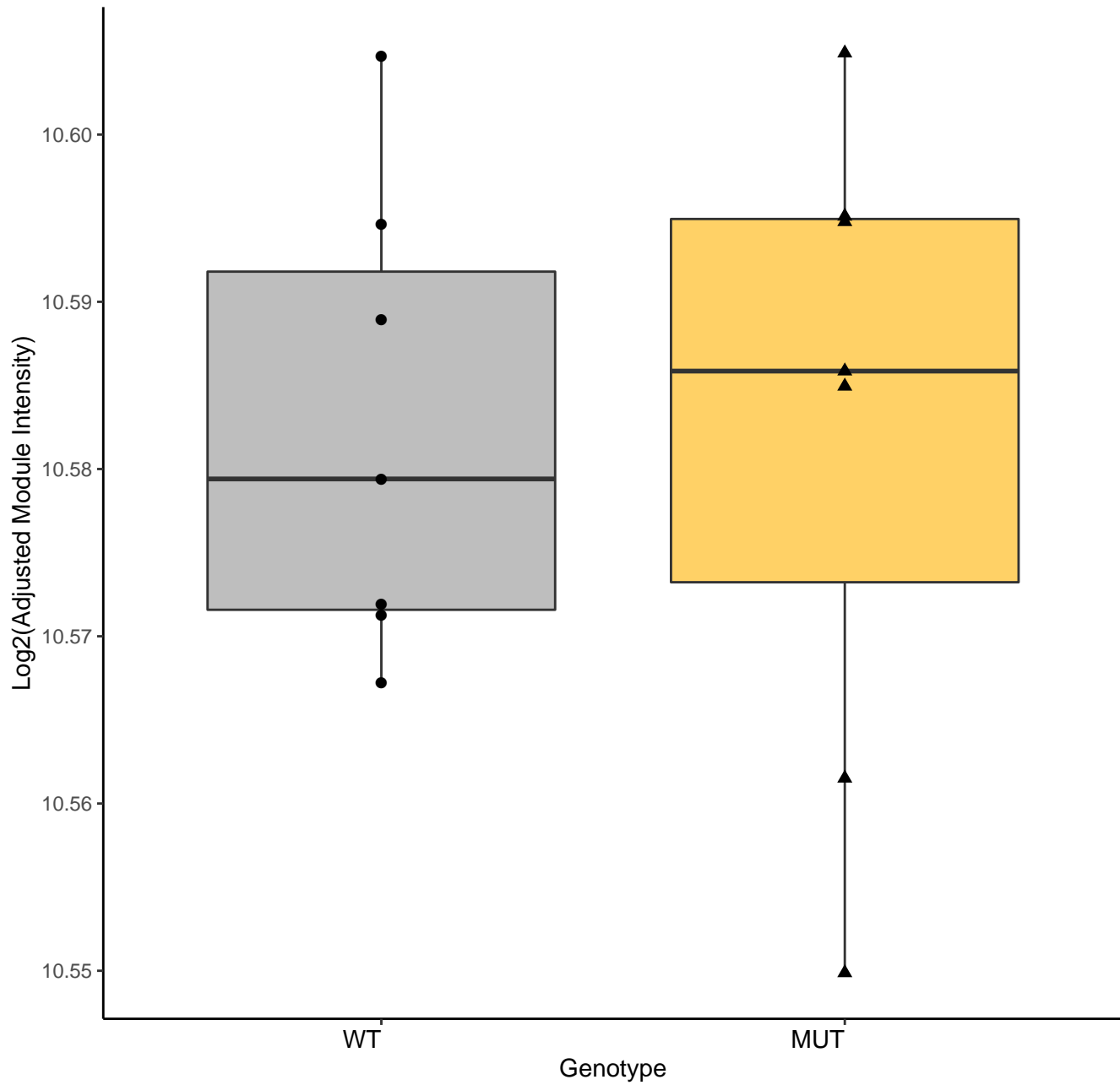
M234



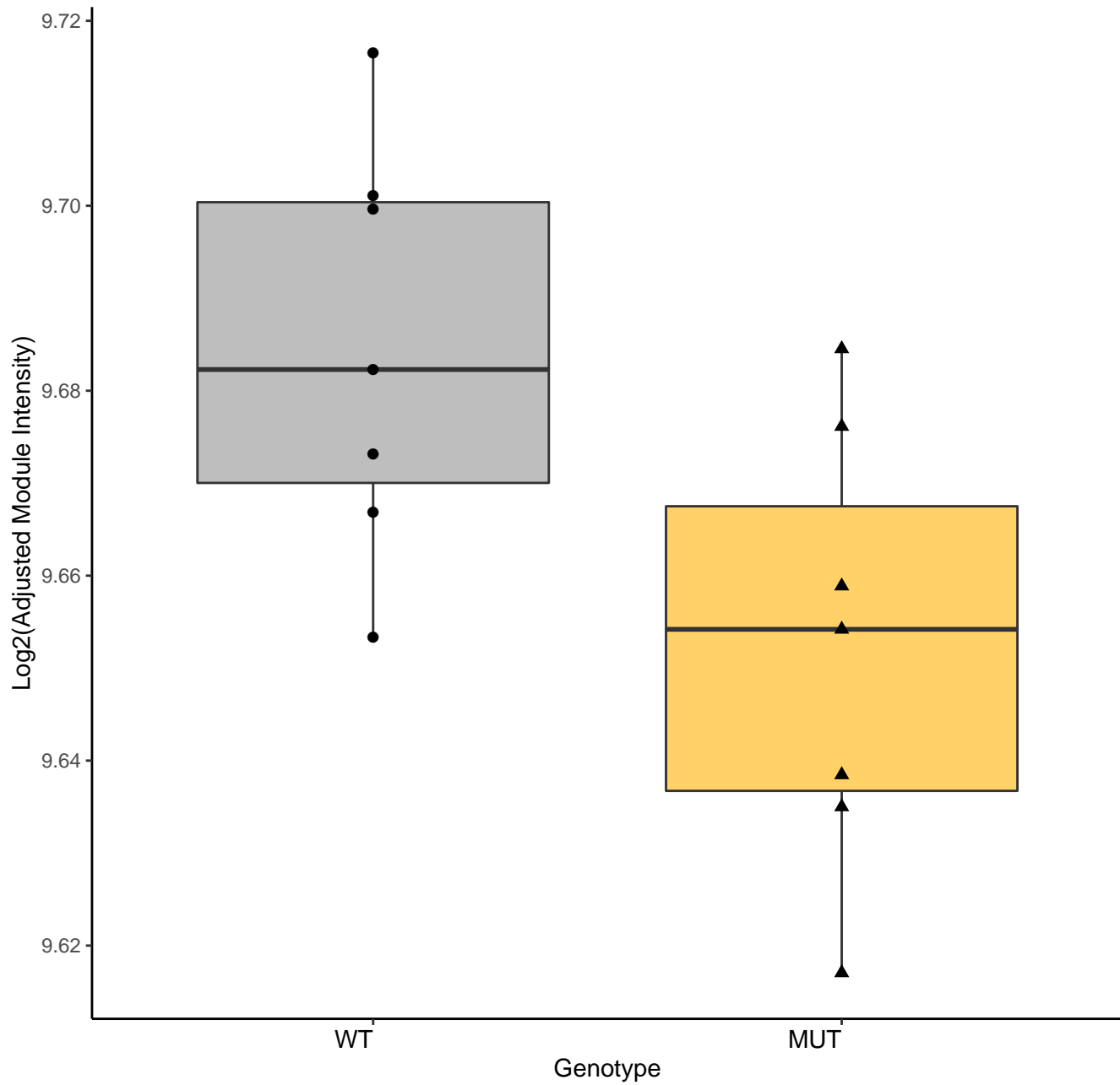
M235



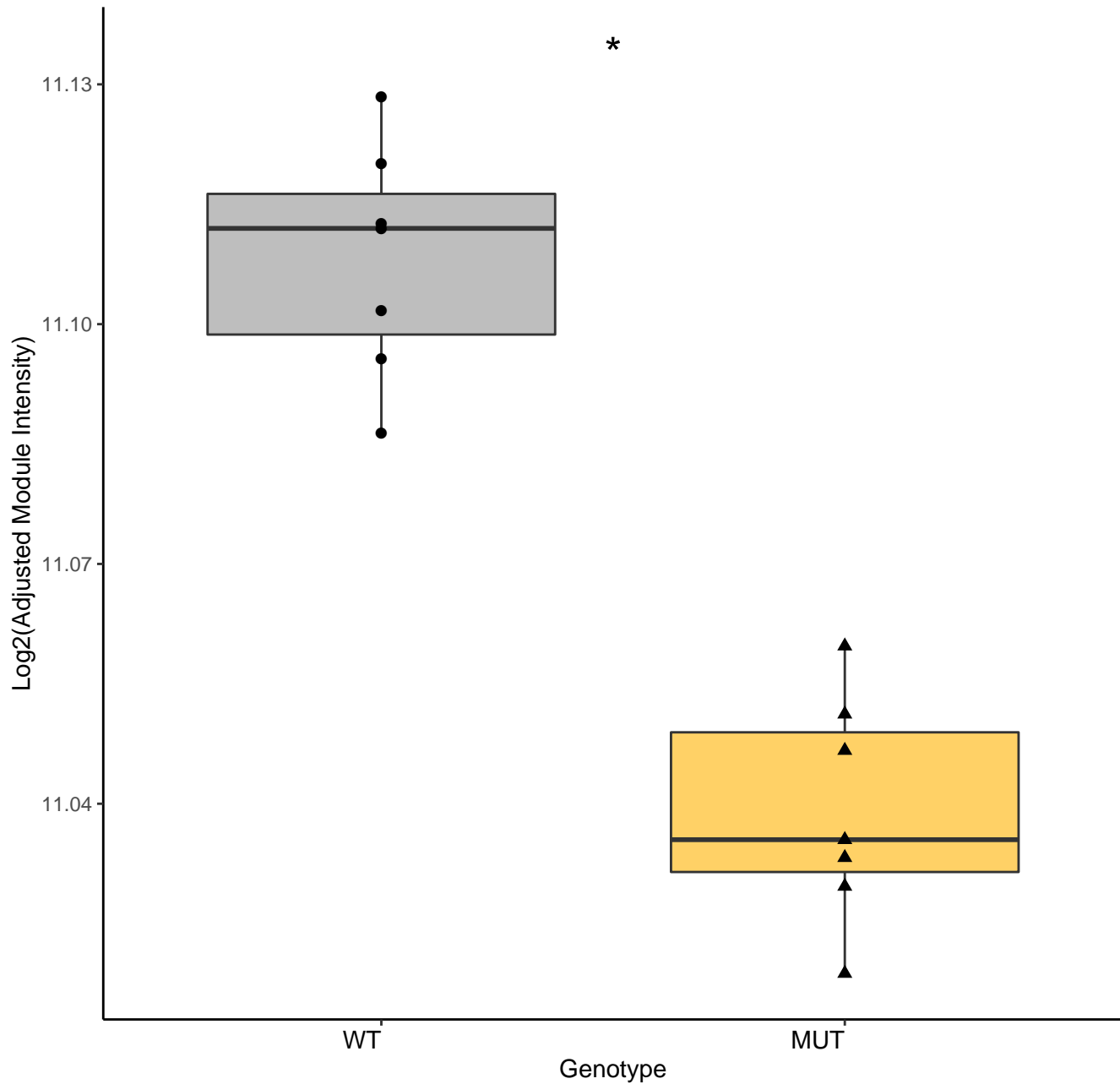
M236



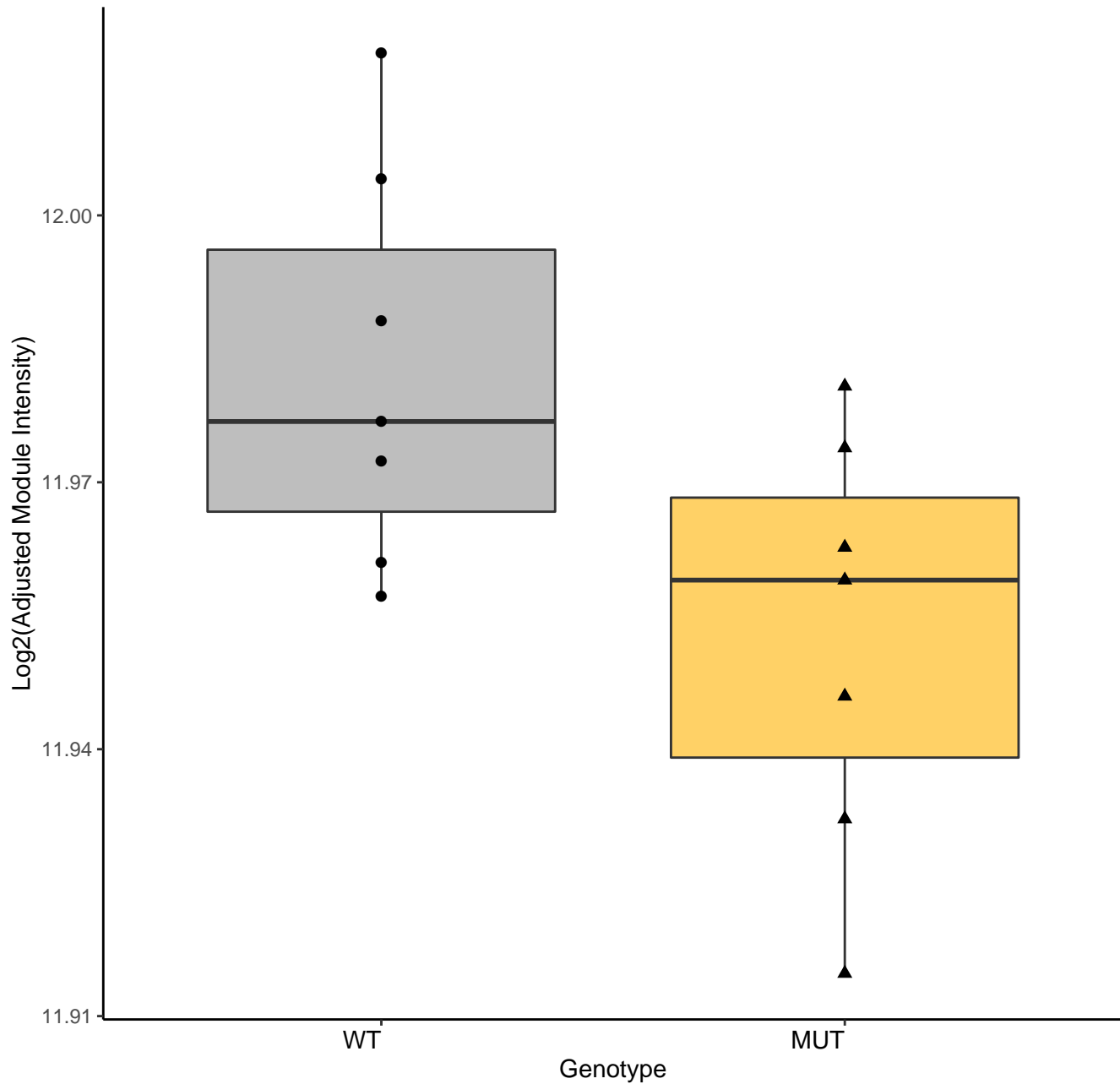
M237



M238



M239



M240

Log2(Adjusted Module Intensity)

11.500

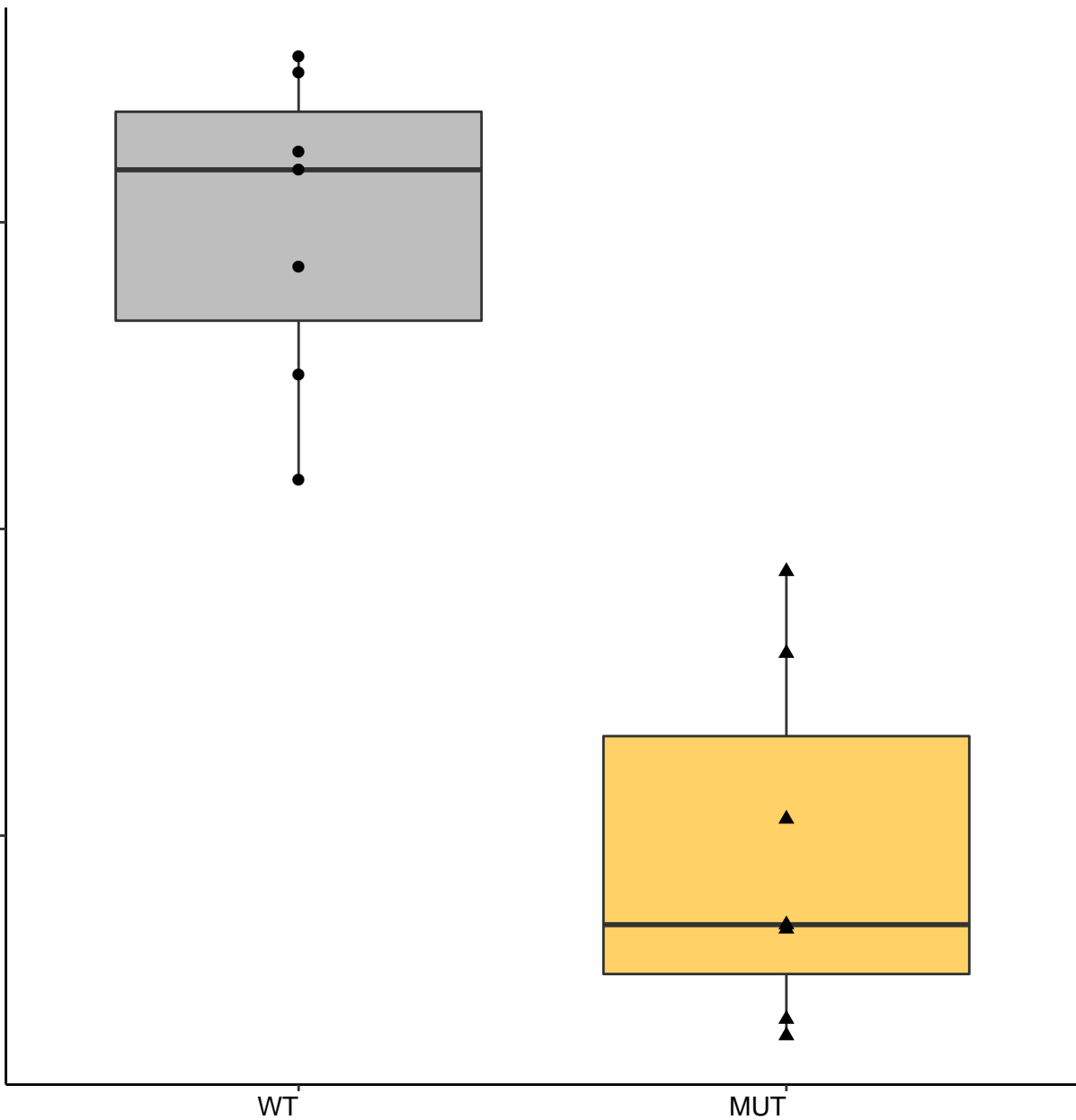
11.475

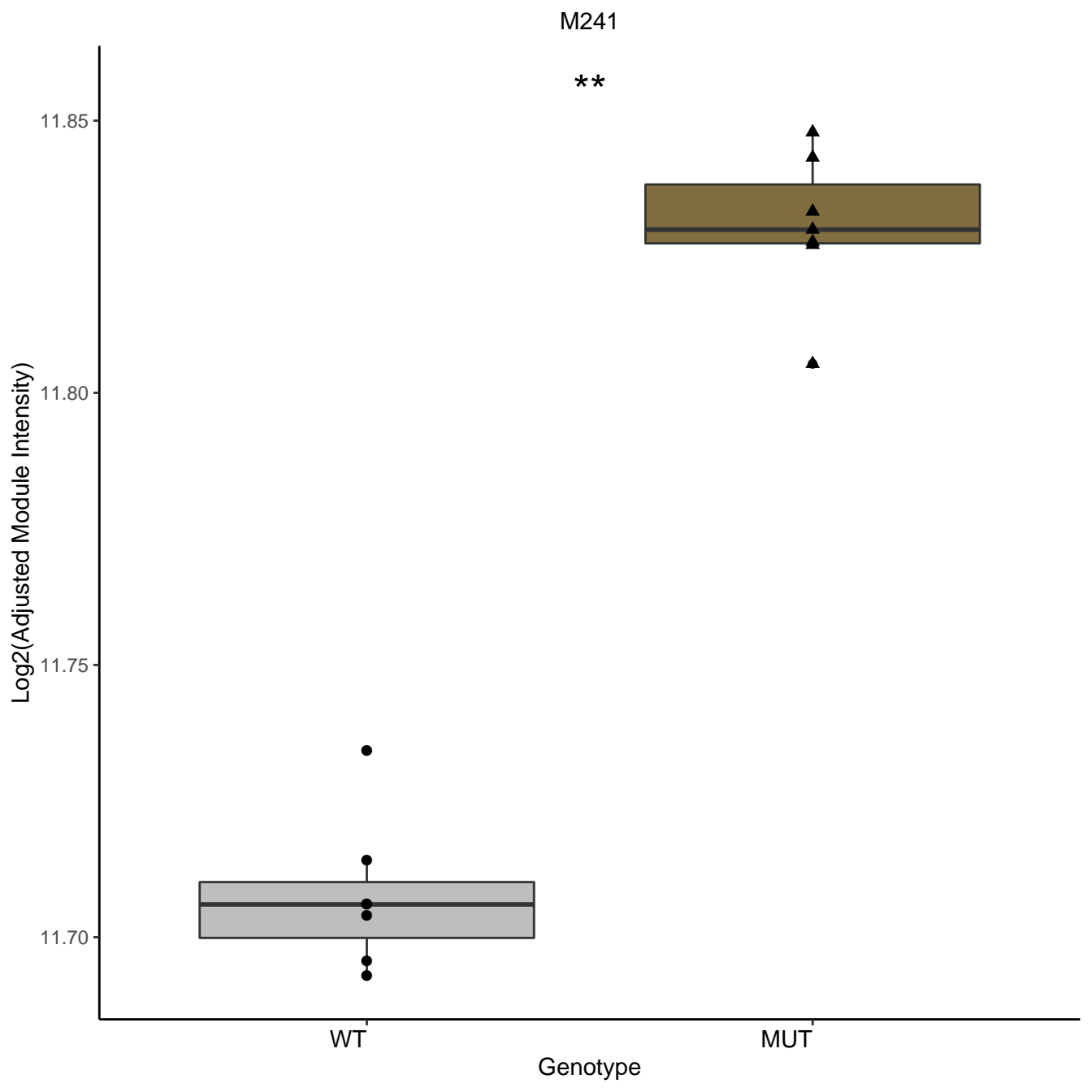
11.450

WT

Genotype

MUT





M242

Log2(Adjusted Module Intensity)

13.475

13.450

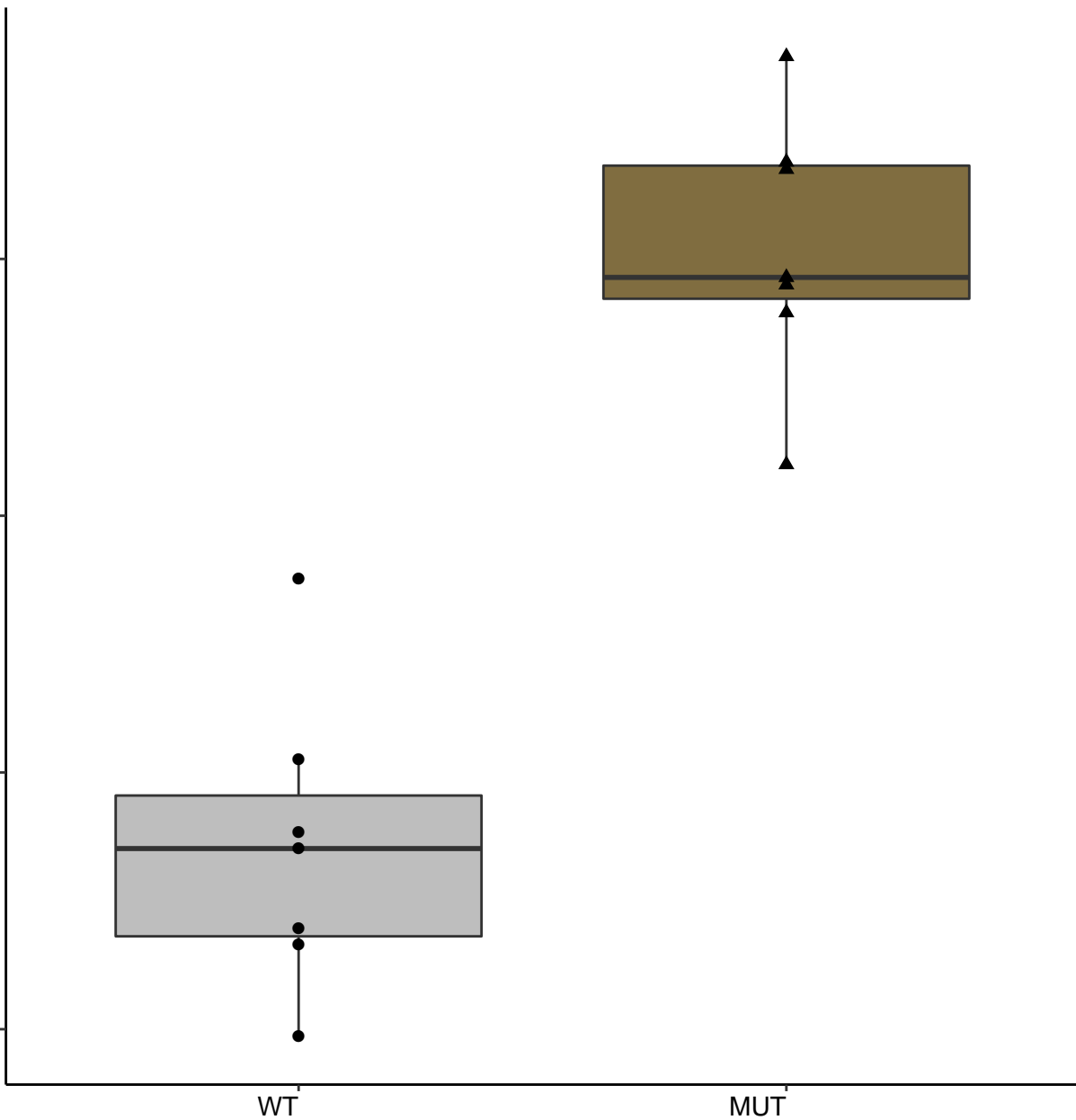
13.425

13.400

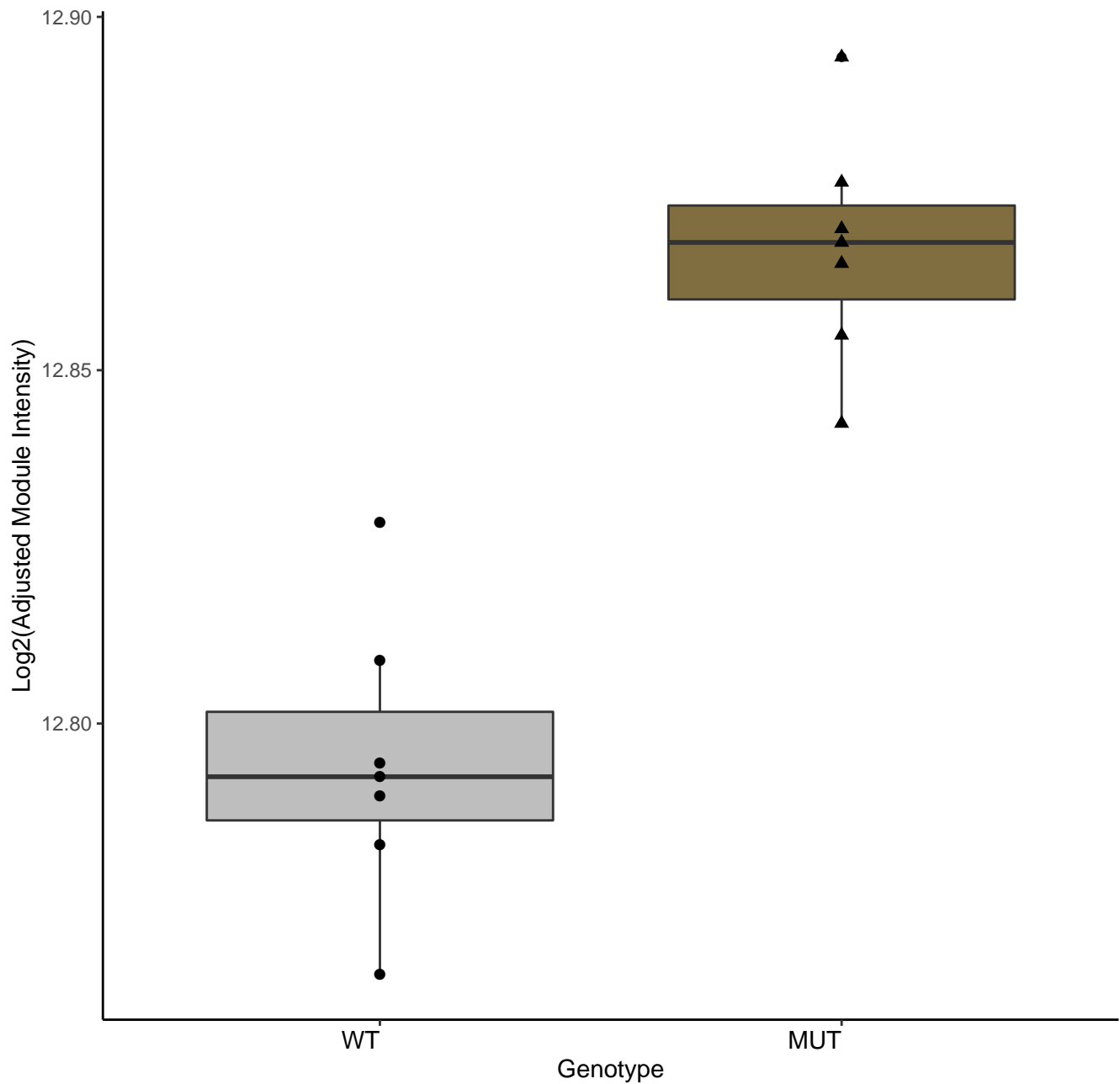
WT

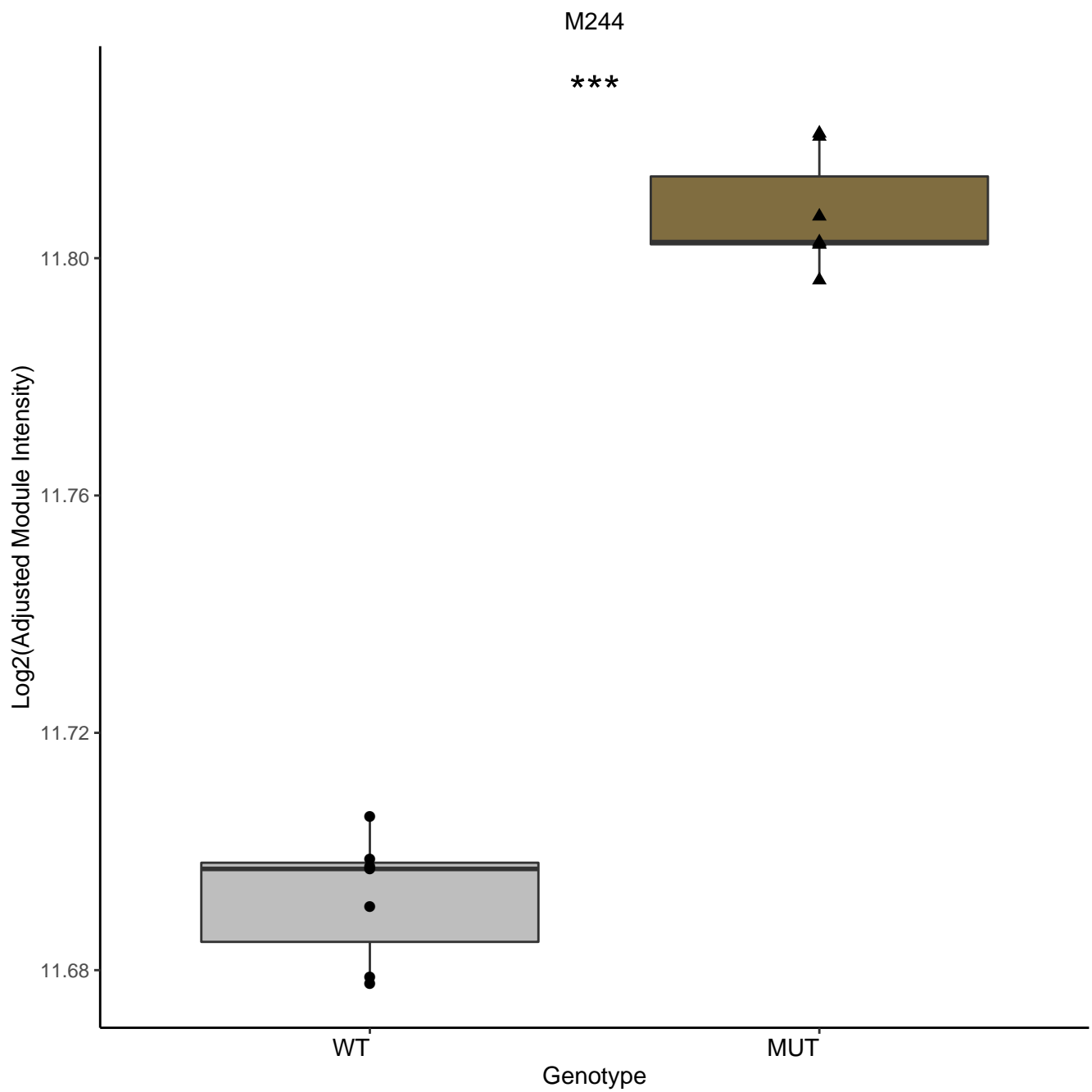
Genotype

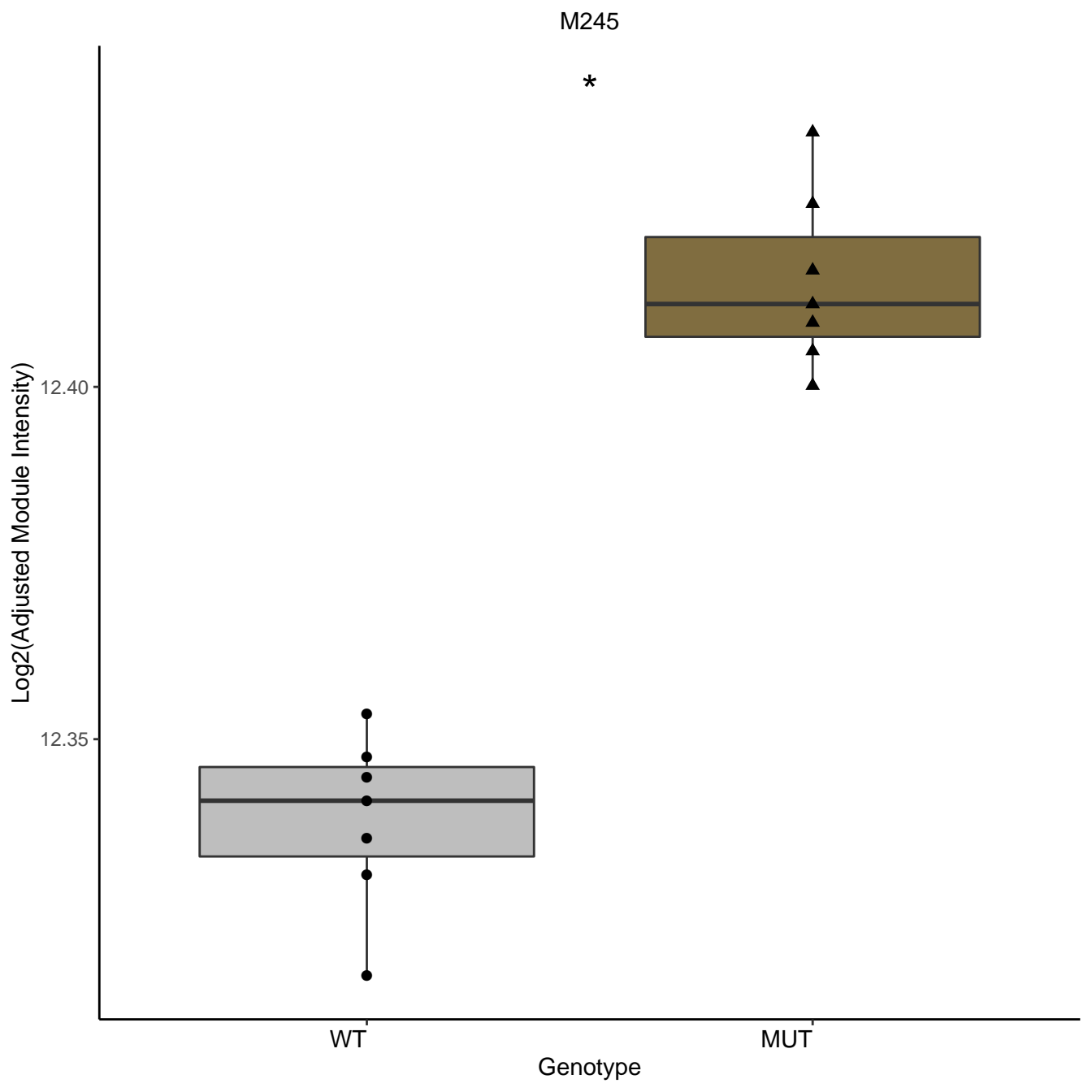
MUT



M243







M246

Log2(Adjusted Module Intensity)

11.50

11.45

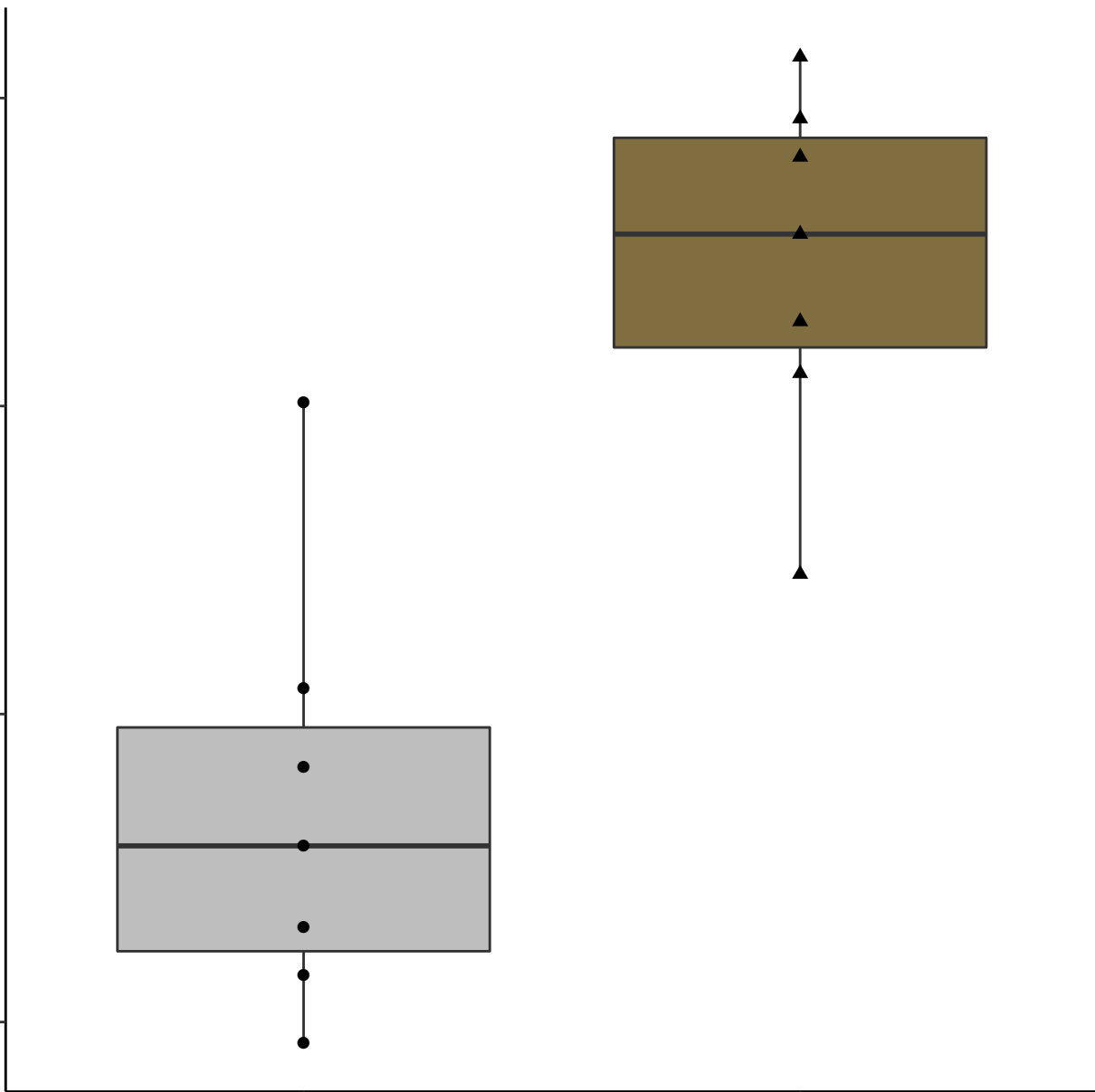
11.40

11.35

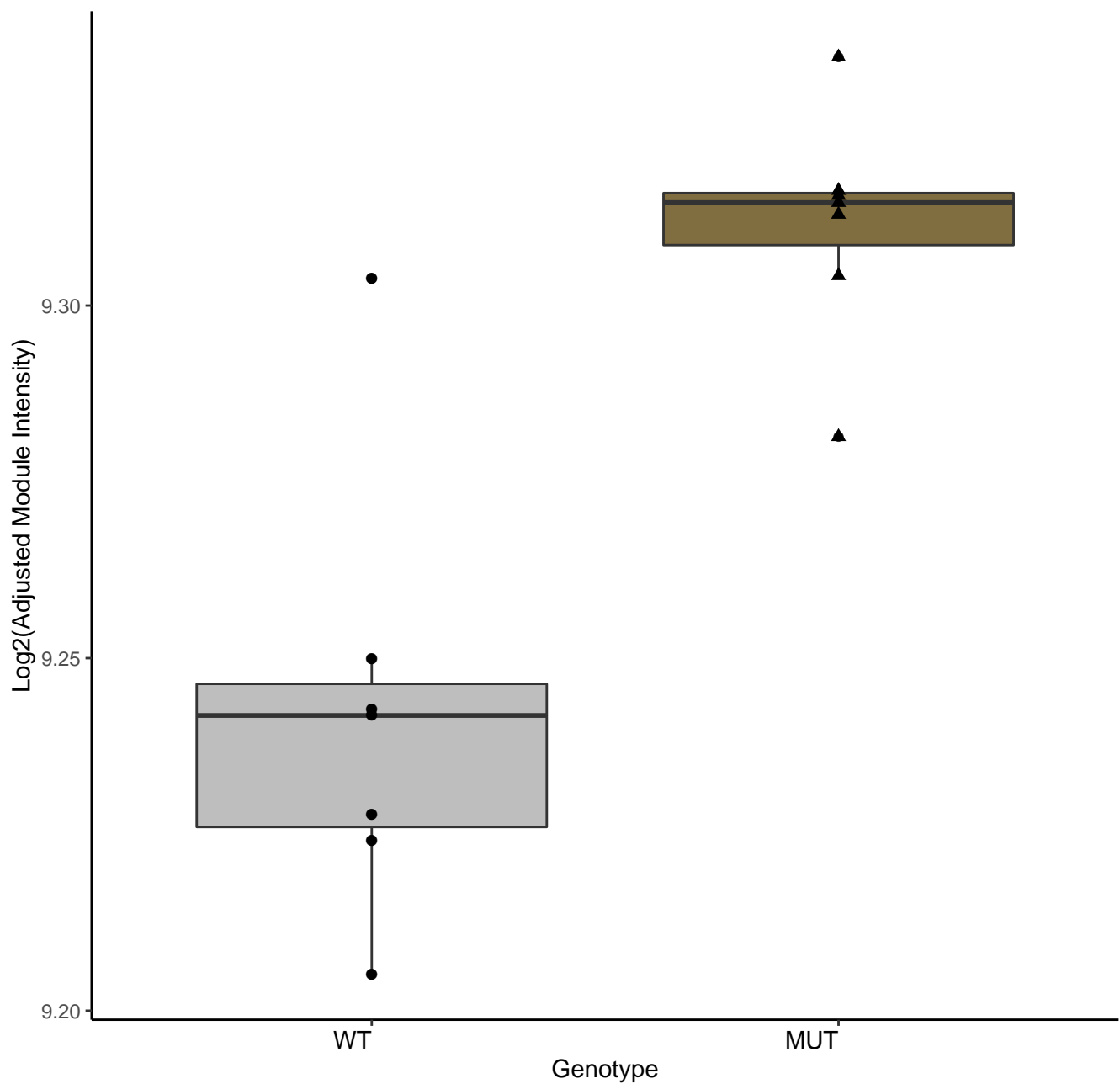
WT

Genotype

MUT



M247



M248

**

Log2(Adjusted Module Intensity)

12.16

12.12

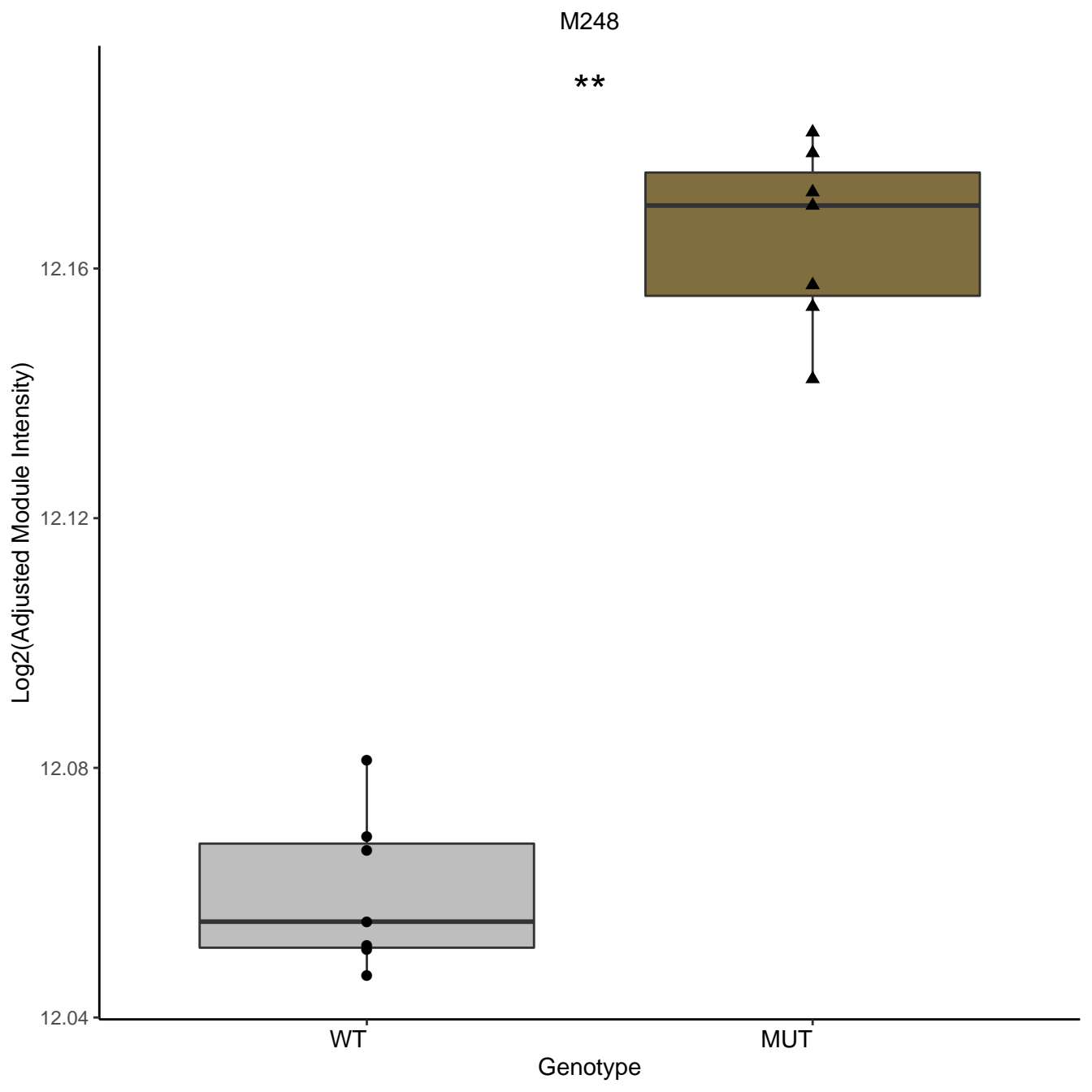
12.08

12.04

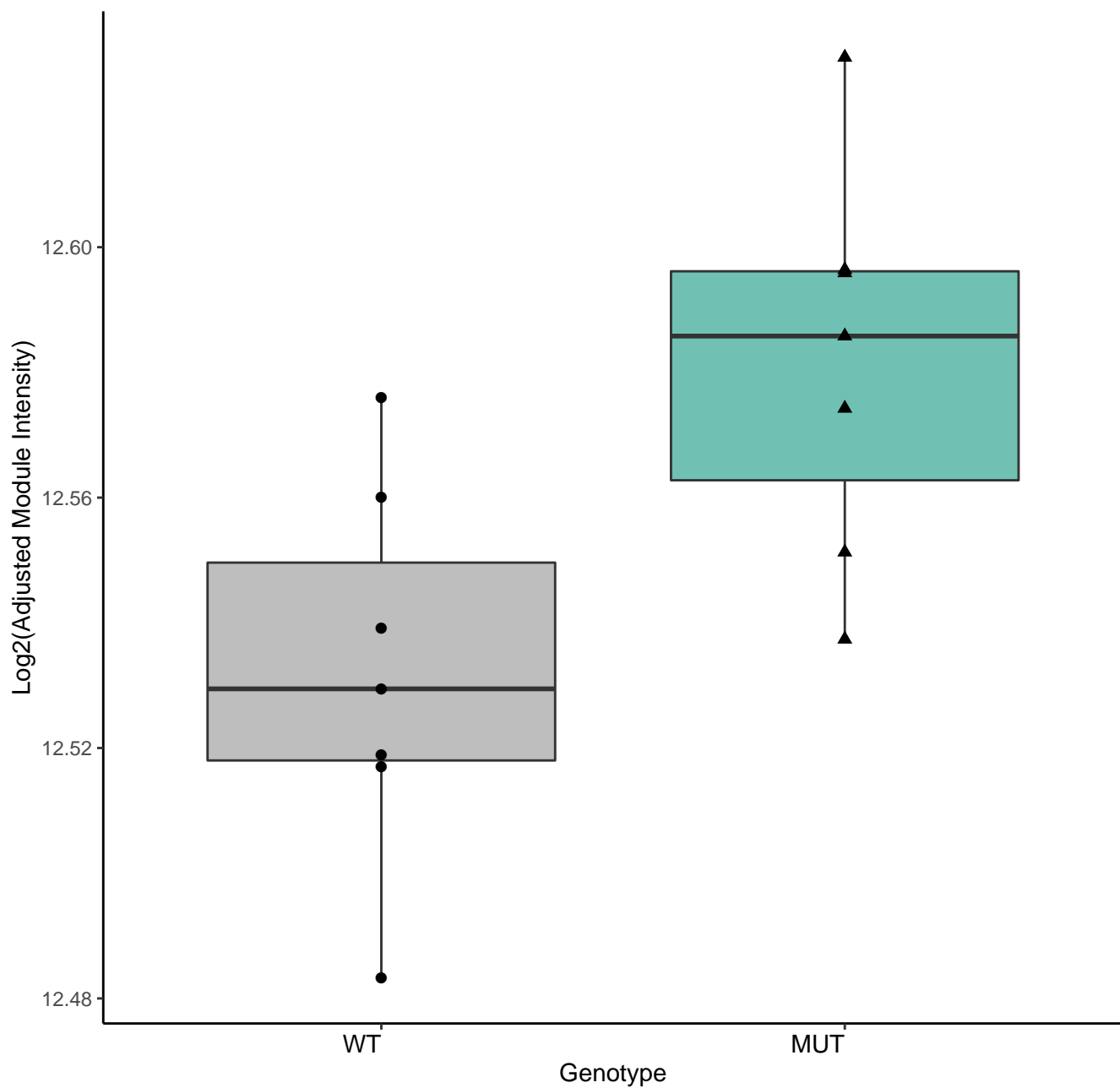
WT

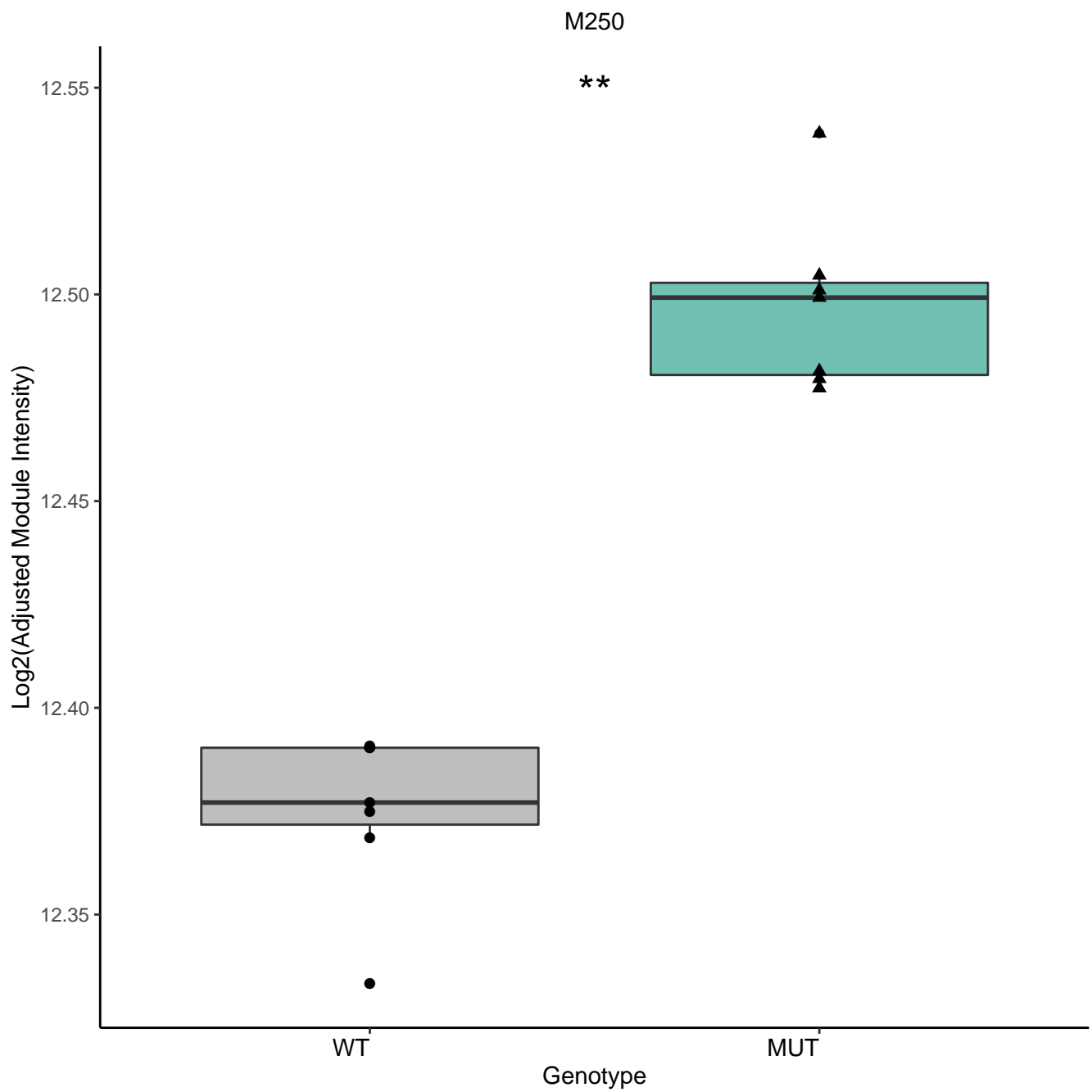
MUT

Genotype

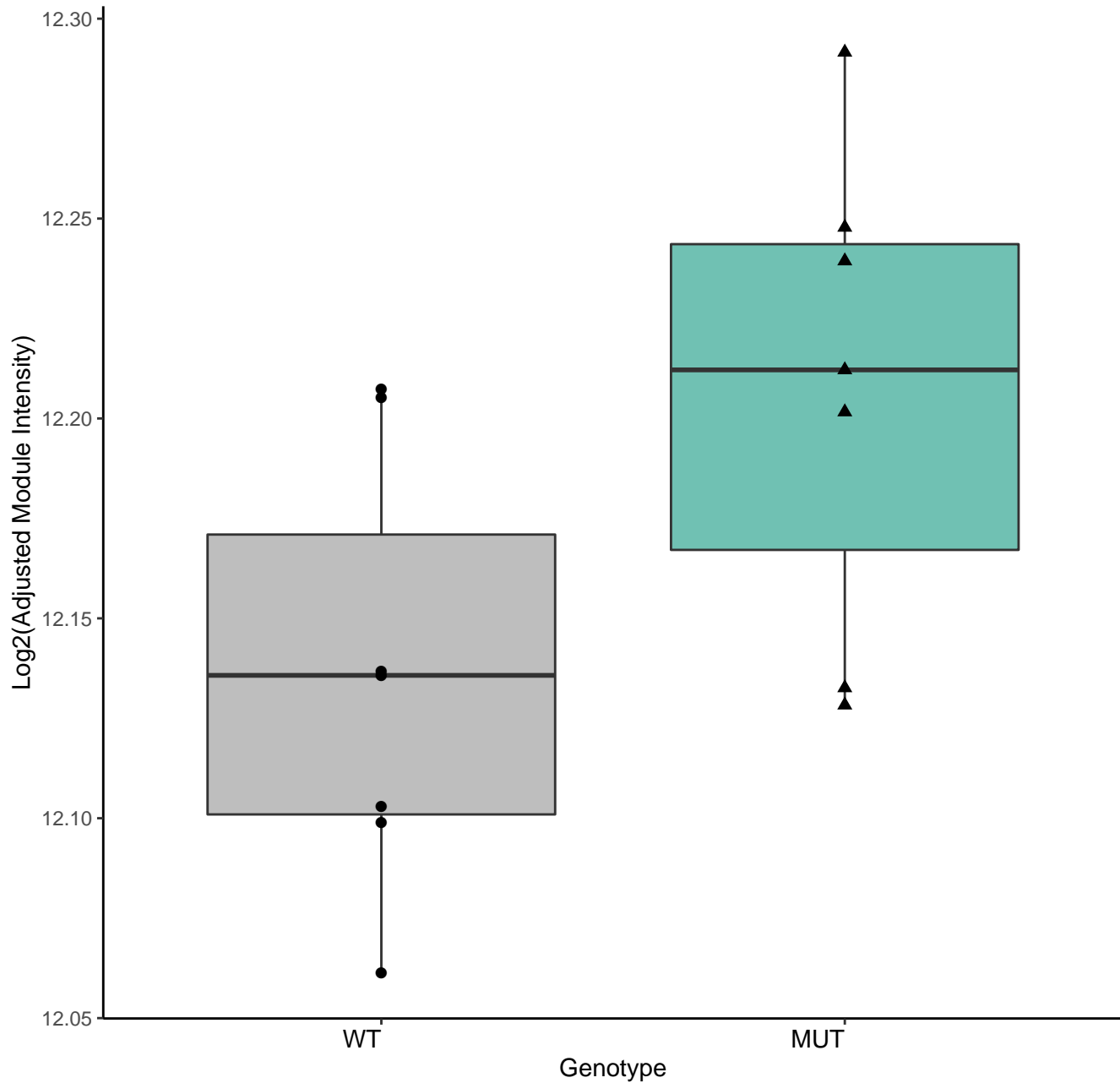


M249

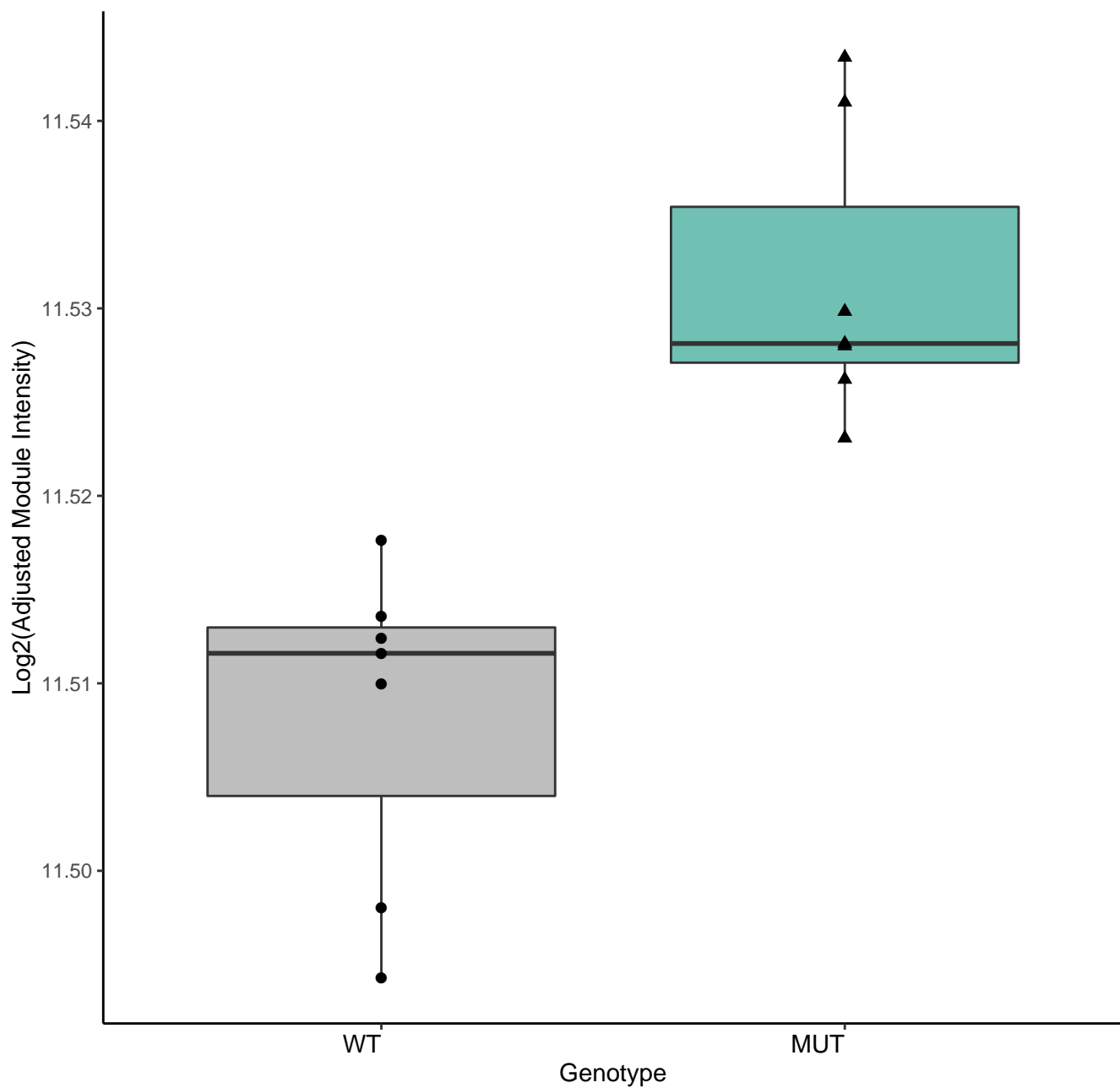




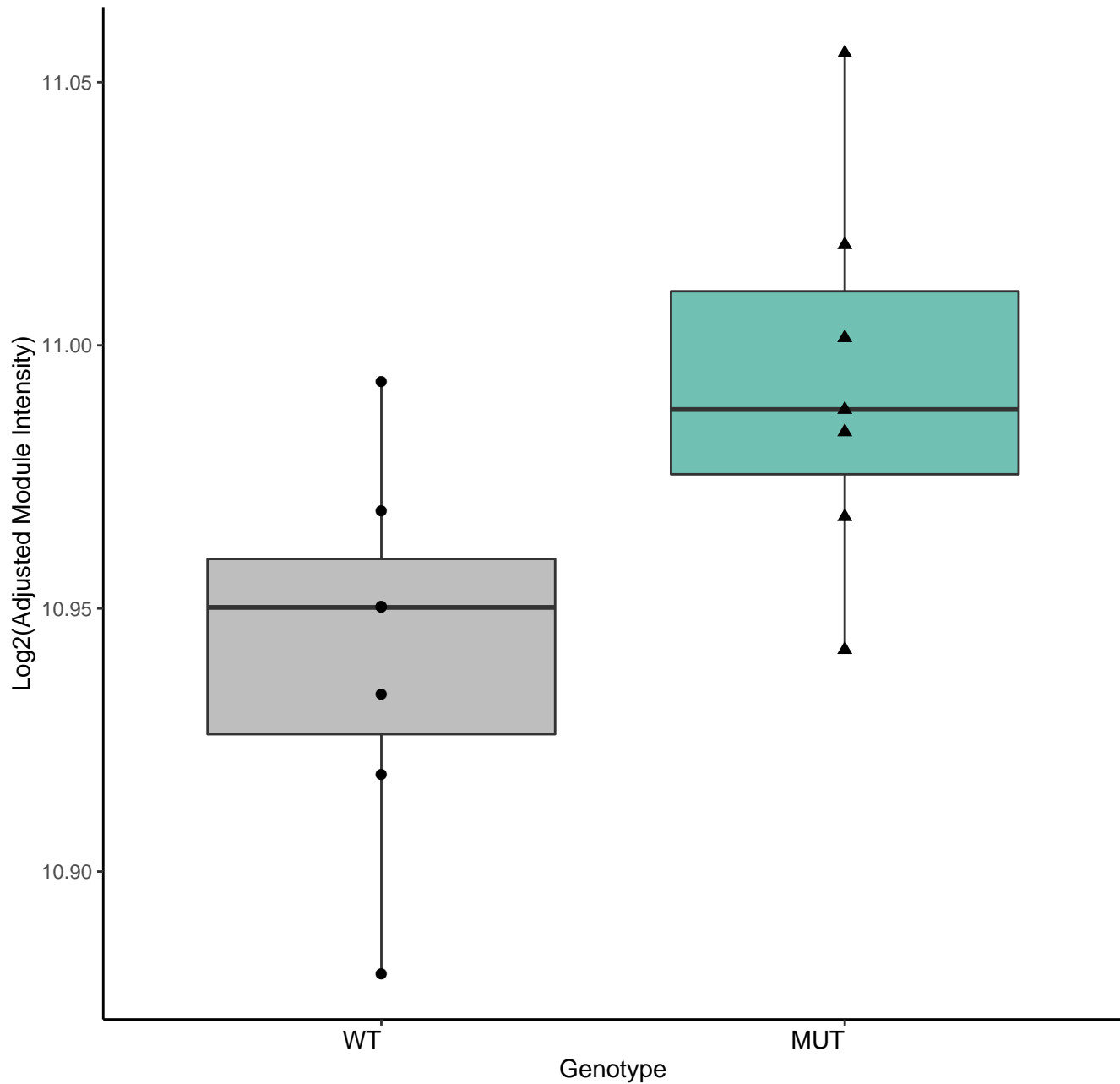
M251

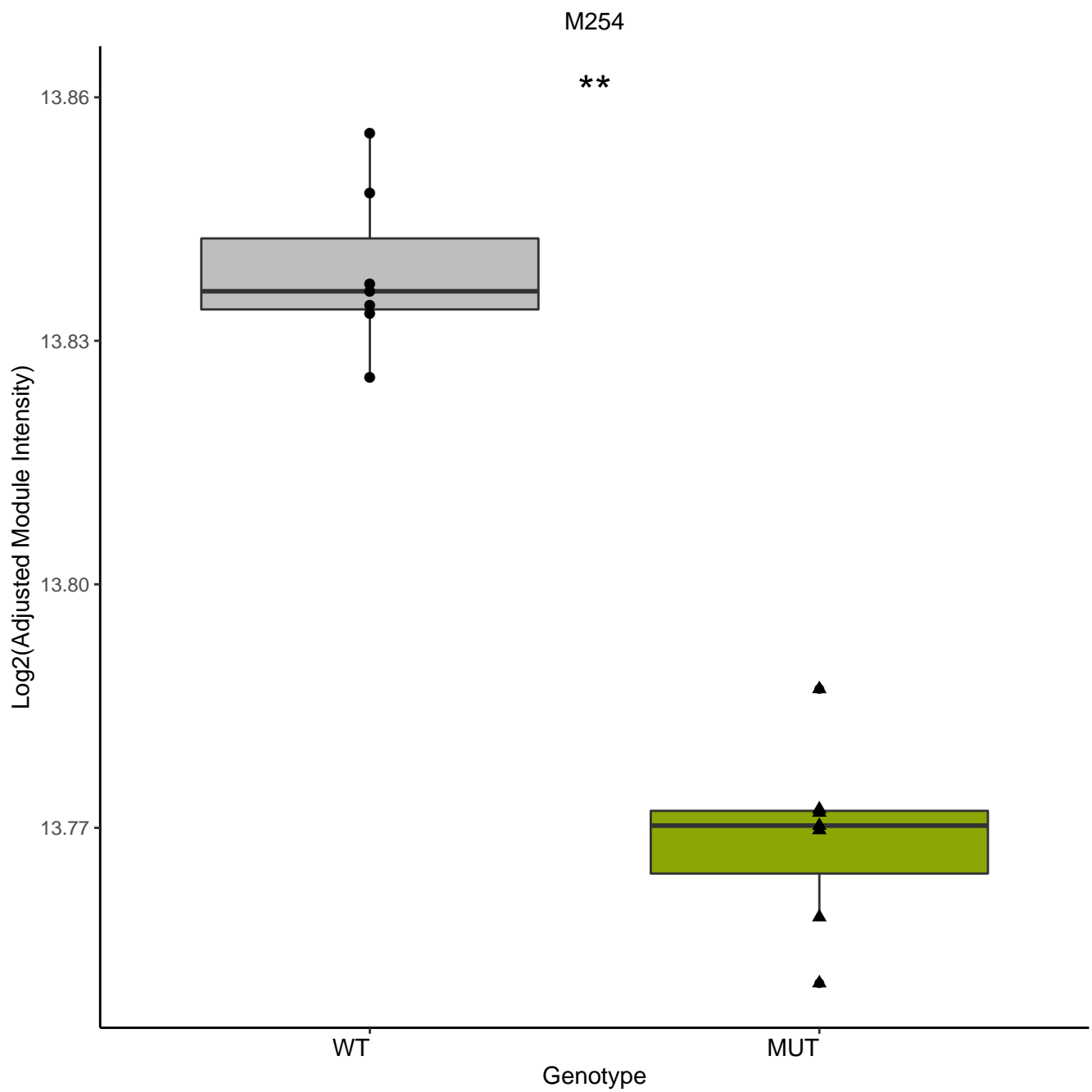


M252

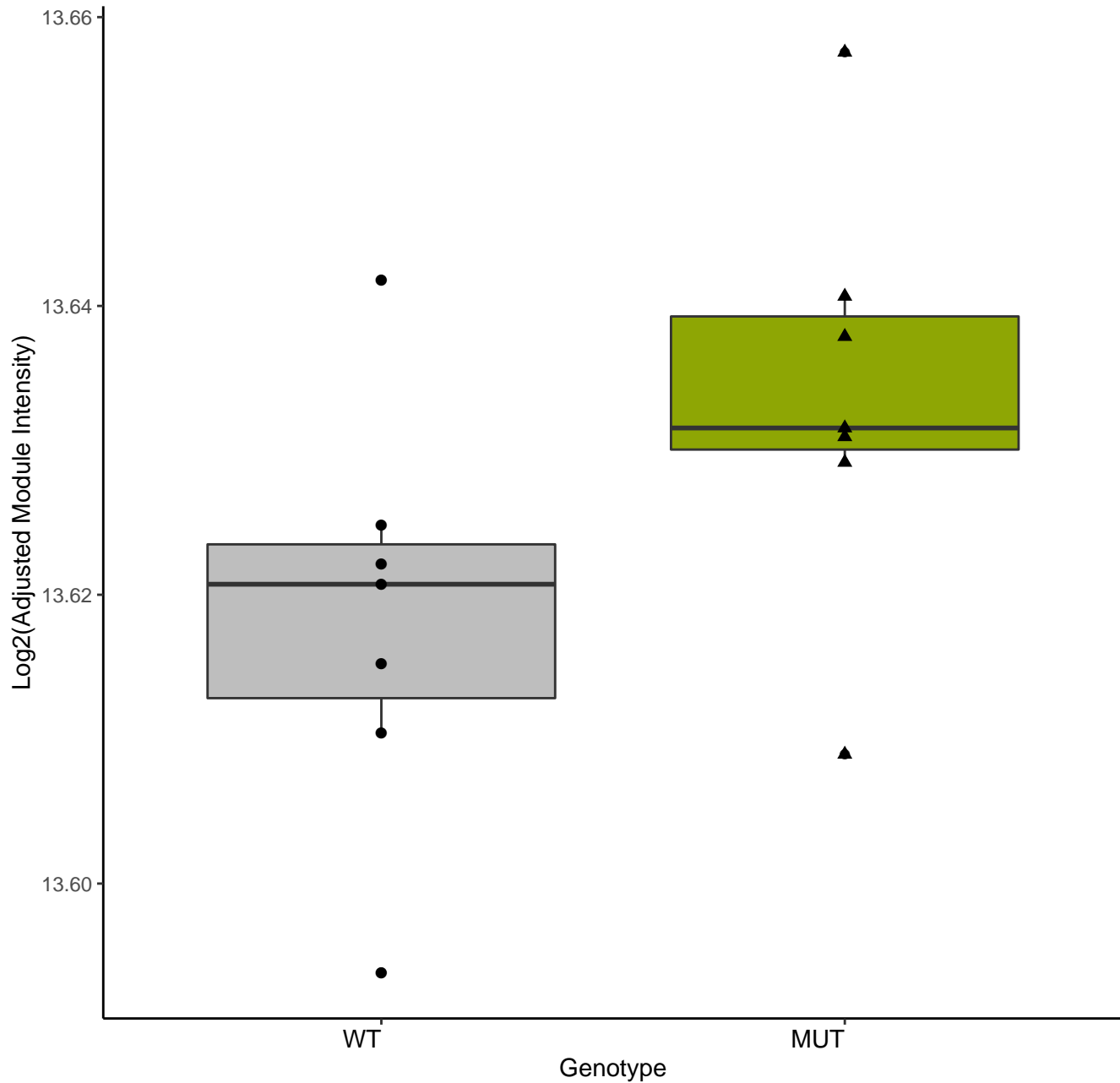


M253





M255



M256

Log2(Adjusted Module Intensity)

11.15

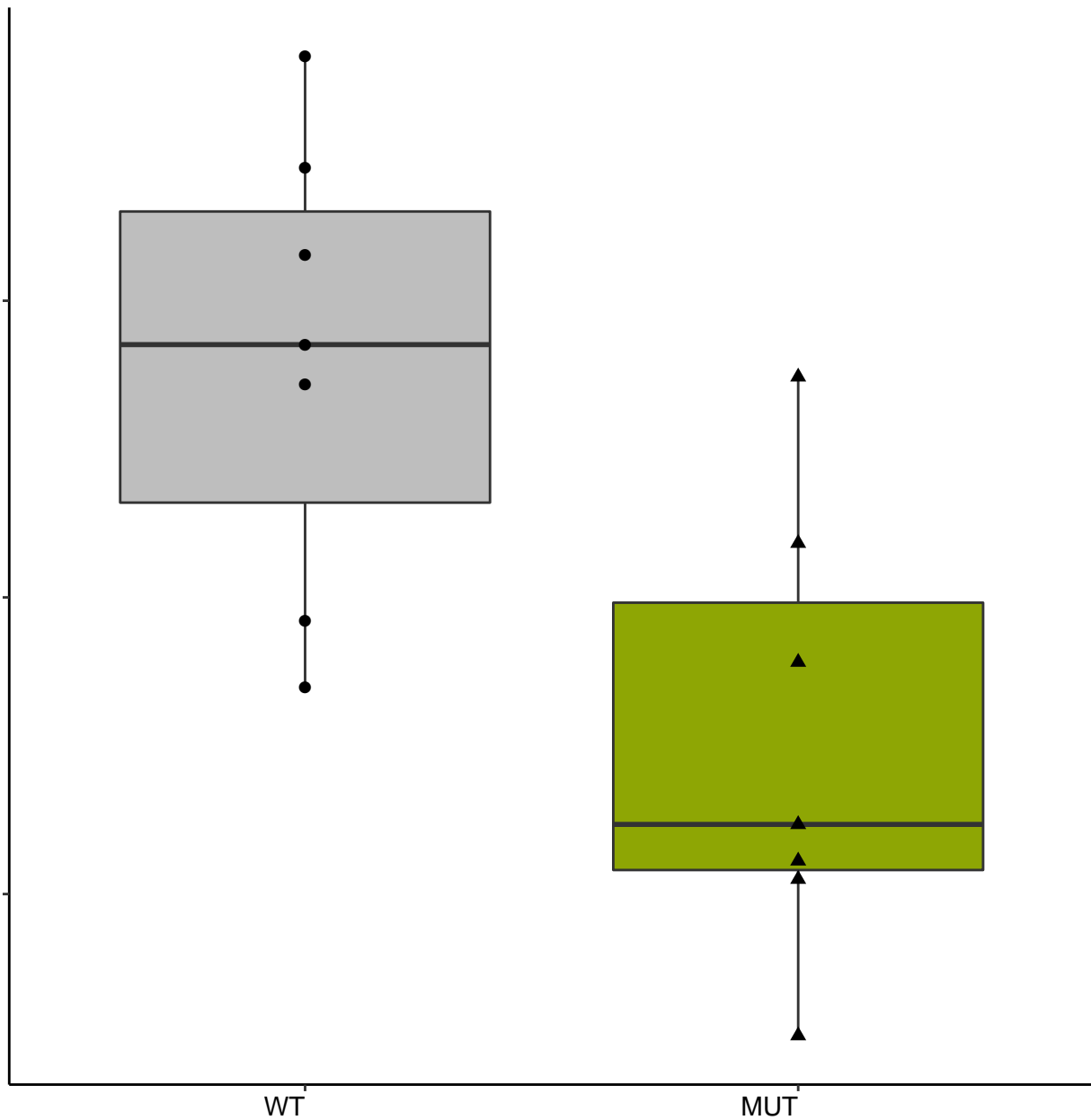
11.10

11.05

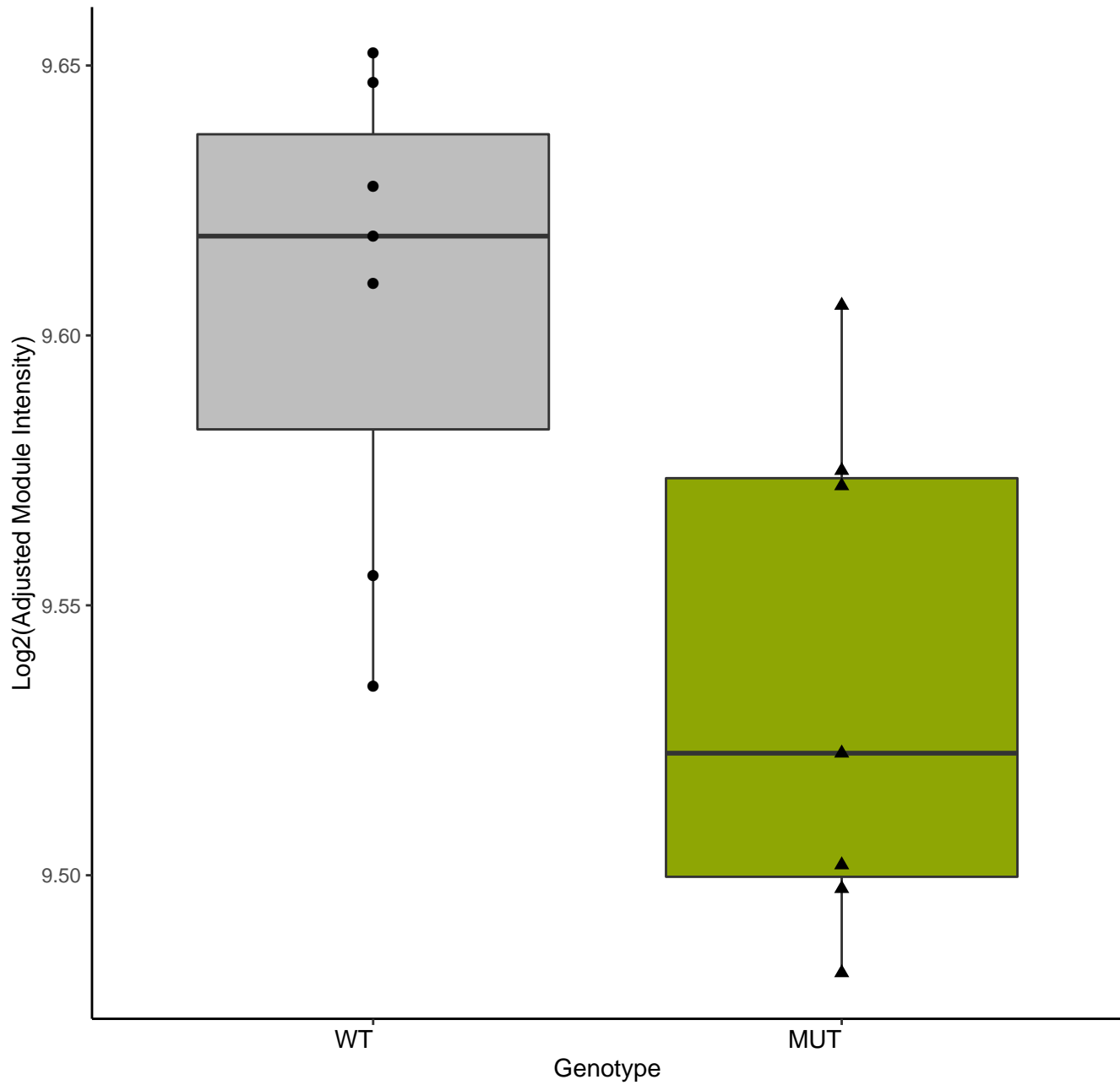
WT

Genotype

MUT



M257



M258

Log2(Adjusted Module Intensity)

10.925

10.900

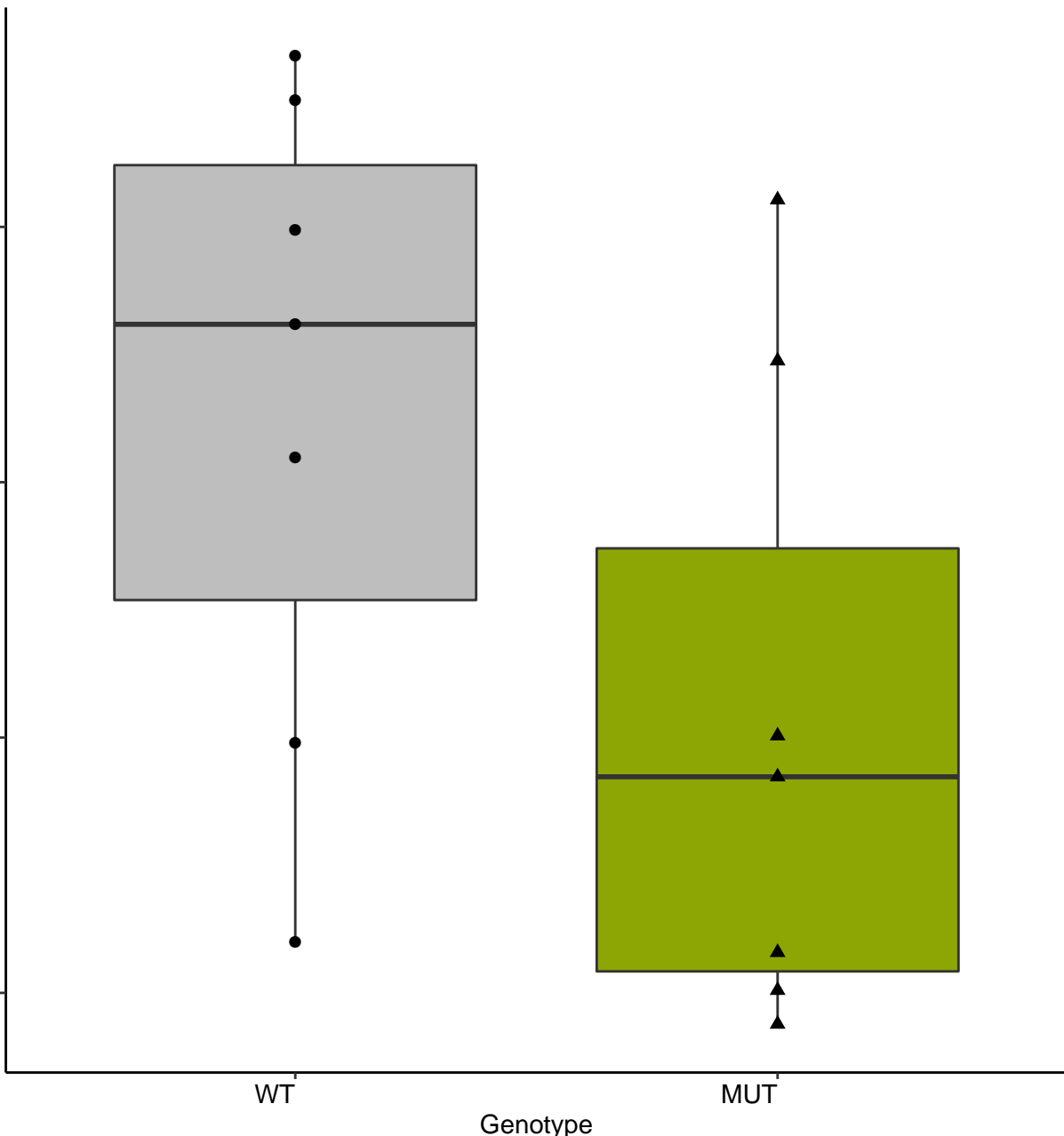
10.875

10.850

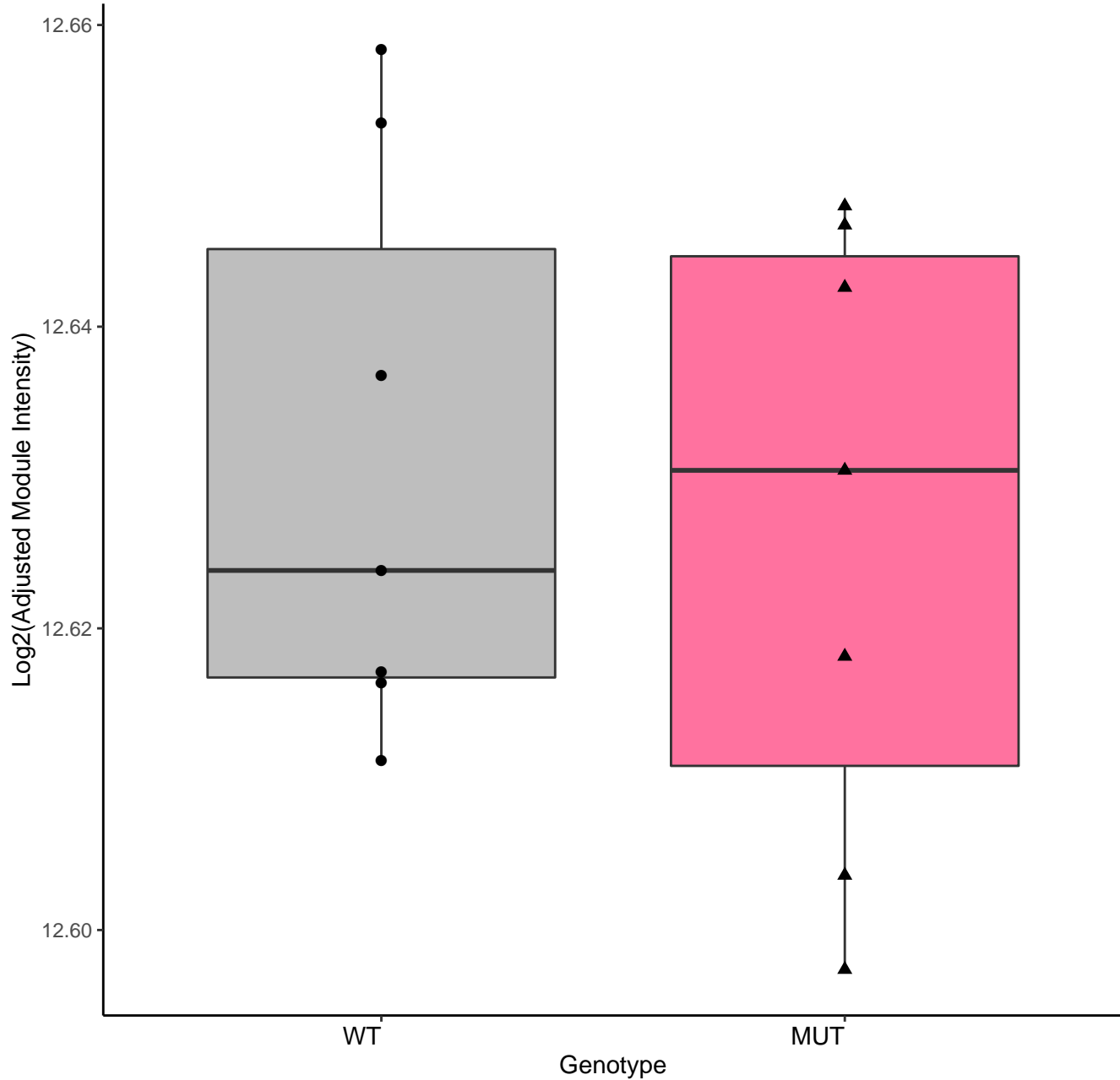
WT

Genotype

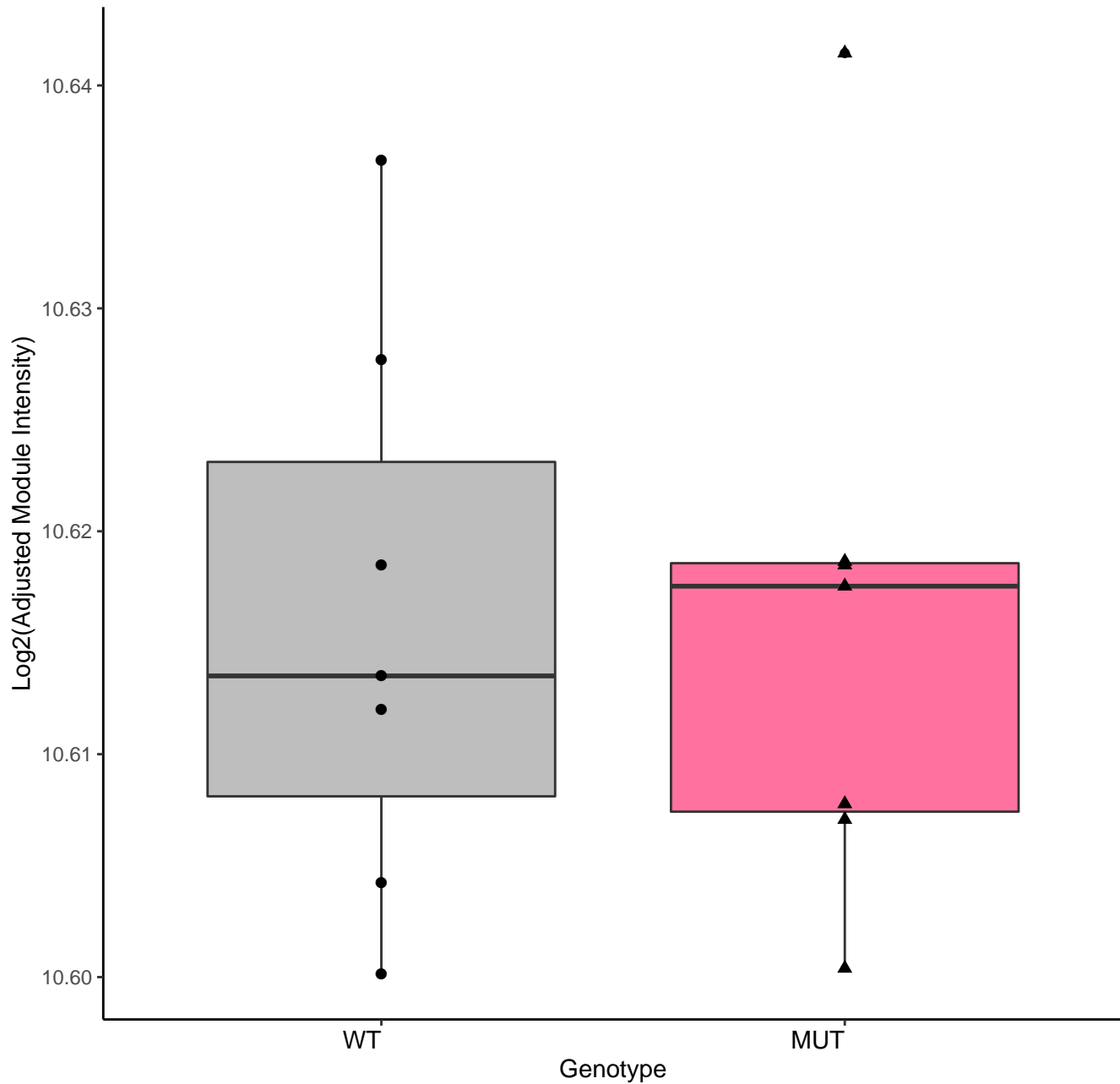
MUT



M259



M260



M261

